

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005919.D
 Acq On : 12 Nov 2018 23:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:19:27 PM

Quant Time: Nov 13 06:33:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	102423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	142699	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	133588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	76034	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	60631	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	5.50	113	47994	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	8.72	98	173268	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	11.14	95	66780	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	46847	50.730	ug/l	94
3) Chloromethane	1.32	50	63936	52.756	ug/l	93
4) Vinyl Chloride	1.40	62	61352	50.427	ug/l	94
5) Bromomethane	1.64	94	37055	49.769	ug/l	99
6) Chloroethane	1.71	64	37208	51.255	ug/l	98
7) Trichlorofluoromethane	1.92	101	84136	52.098	ug/l	98
8) Diethyl Ether	2.19	74	34958	55.243	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48365	52.071	ug/l	98
10) Methyl Iodide	2.51	142	60925	54.122	ug/l	98
11) Tert butyl alcohol	3.07	59	83501	247.551	ug/l	100
12) 1,1-Dichloroethene	2.37	96	45123	49.843	ug/l	95
13) Acrolein	2.29	56	58710	356.220	ug/l	98
14) Allyl chloride	2.73	41	103024	50.953	ug/l	99
15) Acrylonitrile	3.15	53	186024	266.116	ug/l	100
16) Acetone	2.45	43	166331	262.357	ug/l	98
17) Carbon Disulfide	2.57	76	134693	49.880	ug/l	100
18) Methyl Acetate	2.78	43	99967	59.109	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	172269	55.753	ug/l	91
20) Methylene Chloride	2.85	84	52784	50.684	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	48494	50.786	ug/l	94
22) Diisopropyl ether	3.87	45	178072	50.275	ug/l	# 92
23) Vinyl Acetate	3.82	43	773106	254.569	ug/l	99
24) 1,1-Dichloroethane	3.70	63	95659	50.621	ug/l	99
25) 2-Butanone	4.70	43	264863	265.732	ug/l	97
26) 2,2-Dichloropropane	4.58	77	65190	47.028	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	53648	50.882	ug/l	97
28) Bromochloromethane	5.02	49	48248	57.129	ug/l	99
29) Tetrahydrofuran	5.15	42	169745	265.237	ug/l	99
30) Chloroform	5.22	83	97361	53.403	ug/l	95
31) Cyclohexane	5.58	56	83160	50.697	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	78727	51.771	ug/l	99
36) 1,1-Dichloropropene	5.79	75	71197	51.755	ug/l	99
37) Ethyl Acetate	4.85	43	92816	51.308	ug/l	99
38) Carbon Tetrachloride	5.78	117	72385	52.560	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	75295	54.003	ug/l	98
40) Benzene	6.14	78	210552	52.502	ug/l	100
41) Methacrylonitrile	5.06	41	53763	55.001	ug/l	98
42) 1,2-Dichloroethane	6.20	62	74984	52.203	ug/l	99
43) Isopropyl Acetate	6.46	43	131094	50.011	ug/l	98
44) Trichloroethene	7.21	130	52605	51.652	ug/l	99
45) 1,2-Dichloropropane	7.52	63	54072	55.551	ug/l	99
46) Dibromomethane	7.66	93	33701	55.175	ug/l	99
47) Bromodichloromethane	7.90	83	67068	58.101	ug/l	99
48) Methyl methacrylate	7.77	41	68350	58.071	ug/l	100
49) 1,4-Dioxane	7.75	88	29351	1157.248	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	464515	281.178	ug/l	100
52) Toluene	8.79	92	121446	54.185	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	73575	54.011	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	79918	57.559	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	50851	50.907	ug/l	99
56) Ethyl methacrylate	9.18	69	80523	53.876	ug/l	99
57) 1,3-Dichloropropane	9.37	76	85743	51.078	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	225955	276.533	ug/l	99
59) 2-Hexanone	9.50	43	366741	251.849	ug/l	100
60) Dibromochloromethane	9.58	129	54616	50.591	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53413	48.357	ug/l	100
64) Tetrachloroethene	9.33	164	56915	50.041	ug/l	99
65) Chlorobenzene	10.14	112	136231	50.905	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	51113	54.937	ug/l	99
67) Ethyl Benzene	10.25	91	238519	55.581	ug/l	100
68) m/p-Xylenes	10.36	106	184997	113.018	ug/l	99
69) o-Xylene	10.70	106	87617	59.693	ug/l	99
70) Styrene	10.71	104	148244	61.224	ug/l	100
71) Bromoform	10.86	173	45903	58.854	ug/l #	99
73) Isopropylbenzene	11.02	105	241707	54.972	ug/l	99
74) N-amyl acetate	10.90	43	120558	48.895	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	82886	51.358	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	80223m	51.816	ug/l	
77) Bromobenzene	11.26	156	63774	51.459	ug/l	99
78) n-propylbenzene	11.36	91	280249	54.082	ug/l	99
79) 2-Chlorotoluene	11.42	91	166336	53.106	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	207811	55.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24493	50.421	ug/l	97
82) 4-Chlorotoluene	11.51	91	197438	53.487	ug/l	100
83) tert-Butylbenzene	11.77	119	202537	53.580	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	213799	51.853	ug/l	99
85) sec-Butylbenzene	11.94	105	246366	53.297	ug/l	100
86) p-Isopropyltoluene	12.07	119	222811	54.417	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	118882	49.983	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	120233	49.381	ug/l	99
89) n-Butylbenzene	12.39	91	193519	50.995	ug/l	100
90) Hexachloroethane	12.60	117	36273	53.061	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	120668	50.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	21049	53.447	ug/l	98

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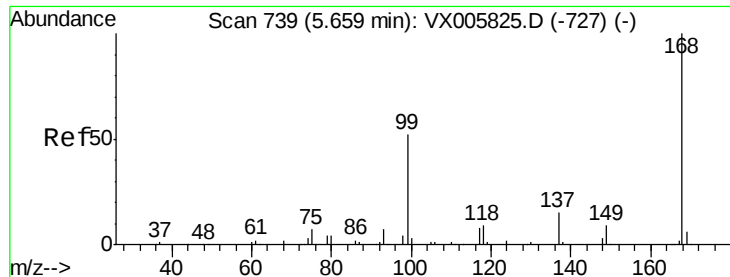
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	88878	52.987	ug/l	100
94) Hexachlorobutadiene	13.78	225	43503	49.374	ug/l	99
95) Naphthalene	13.83	128	277844	50.774	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	91920	53.791	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 102423

Ion Ratio Lower Upper

168 100

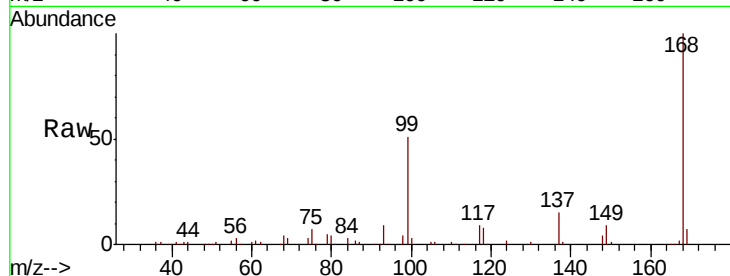
99 50.8 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

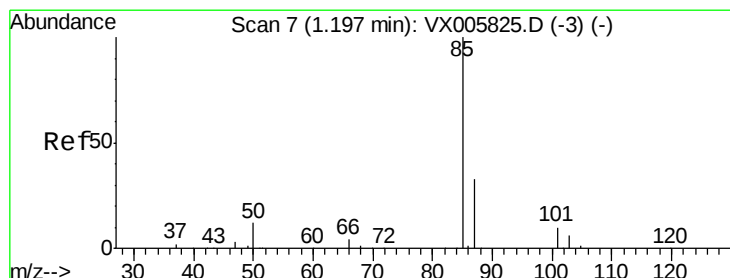
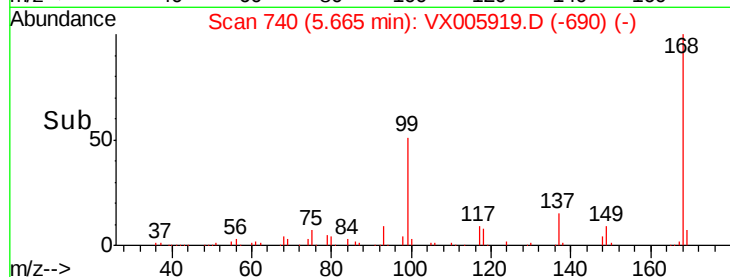
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 50.730 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005919.D

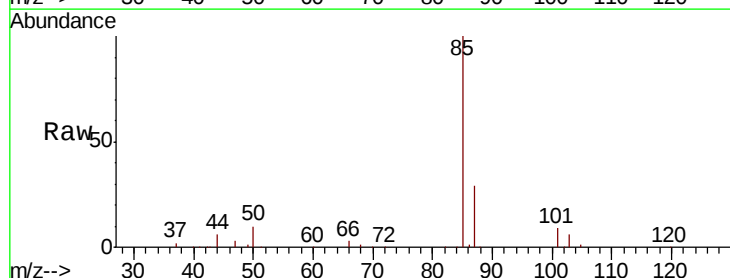
Acq: 12 Nov 2018 23:59

Tgt Ion: 85 Resp: 46847

Ion Ratio Lower Upper

85 100

87 29.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

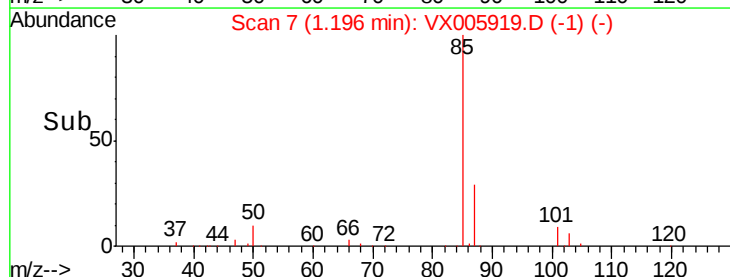
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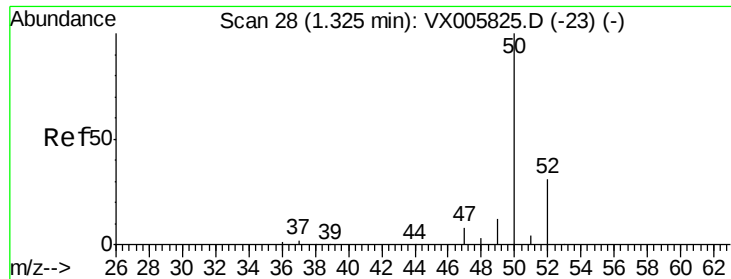
10000

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Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 52.756 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 63936

Ion Ratio Lower Upper

50 100

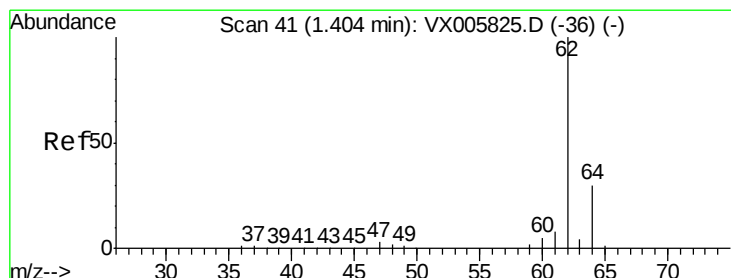
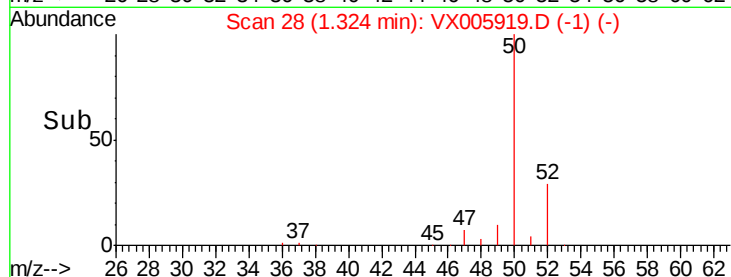
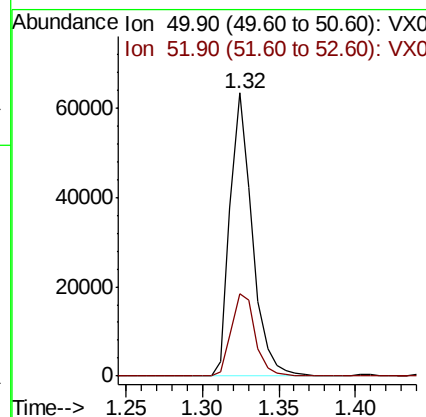
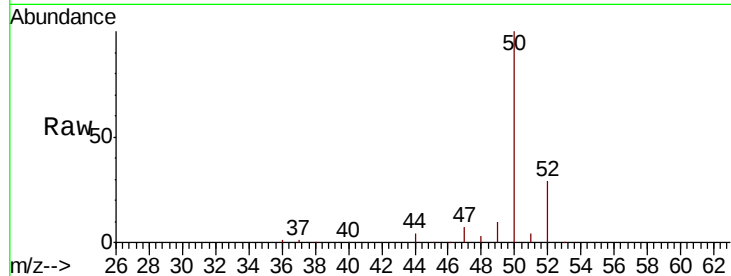
52 28.9 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.427 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005919.D

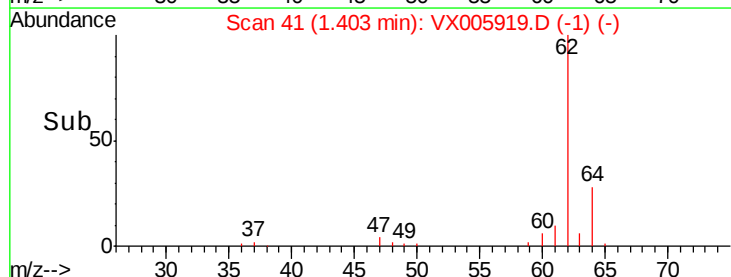
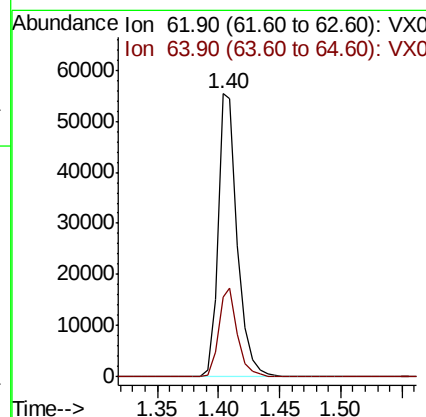
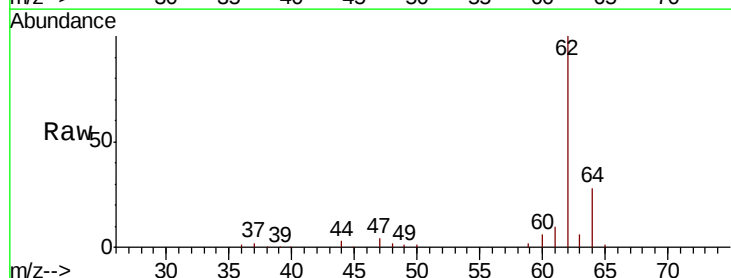
Acq: 12 Nov 2018 23:59

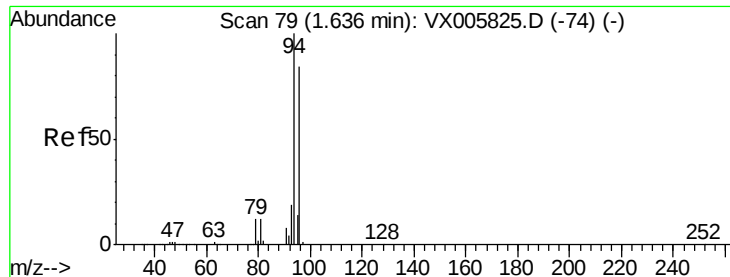
Tgt Ion: 62 Resp: 61352

Ion Ratio Lower Upper

62 100

64 28.1 25.3 37.9





#5

Bromomethane

Concen: 49.769 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 37055

Ion Ratio Lower Upper

94 100

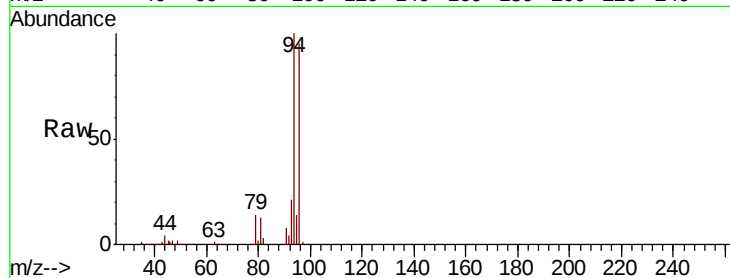
96 95.0 75.2 112.8

Manual Integrations

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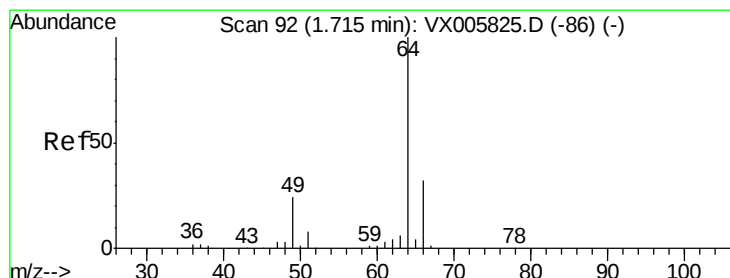
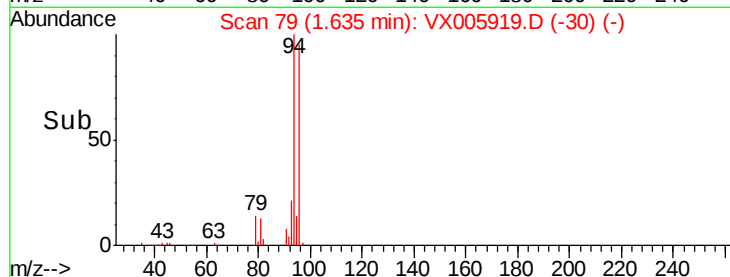
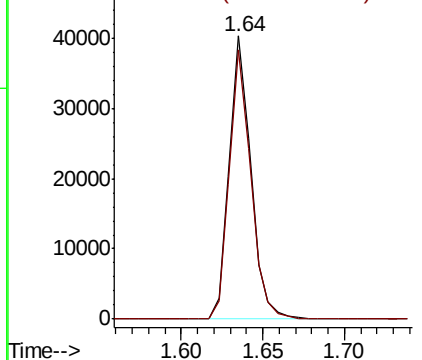
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 51.255 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005919.D

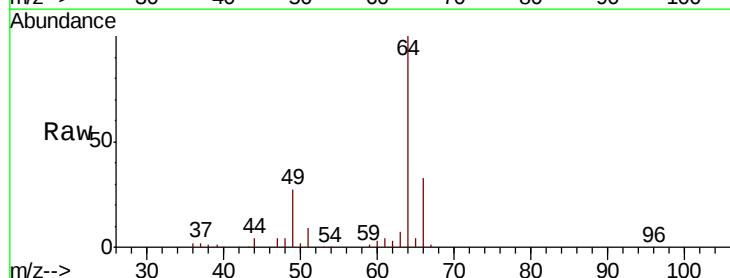
Acq: 12 Nov 2018 23:59

Tgt Ion: 64 Resp: 37208

Ion Ratio Lower Upper

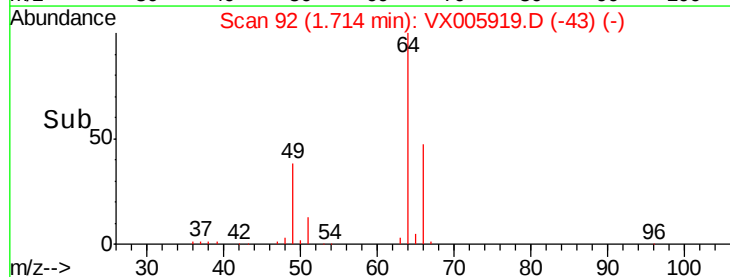
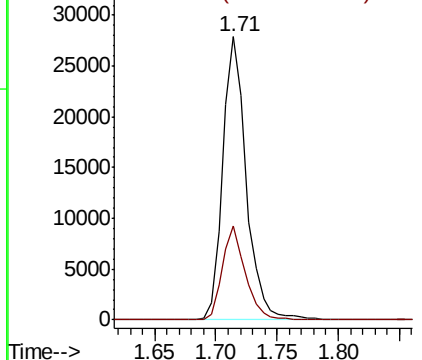
64 100

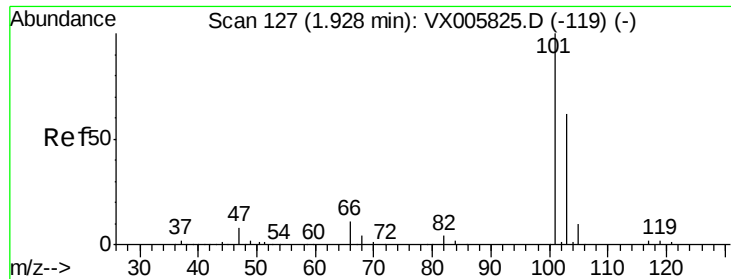
66 33.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

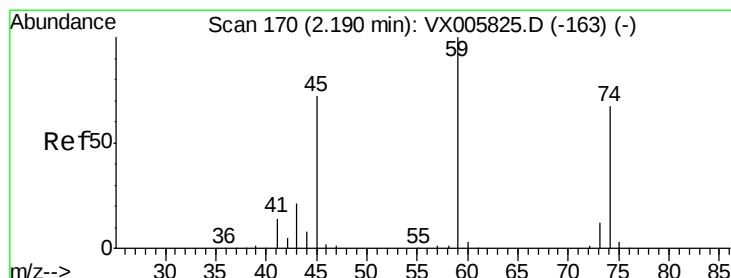
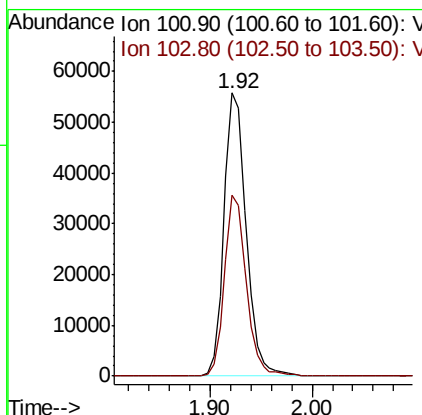
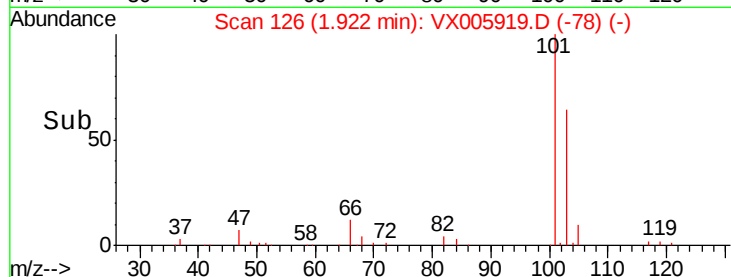
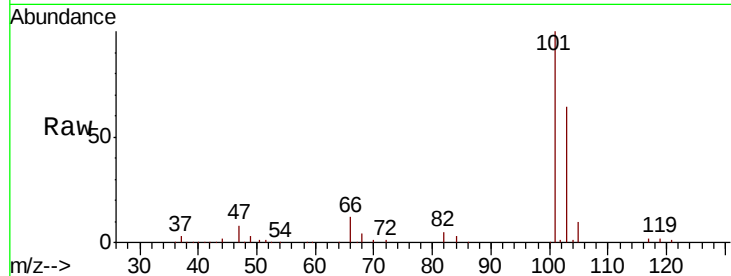
Trichlorofluoromethane
Concen: 52.098 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 84136
Ion Ratio Lower Upper
101 100
103 64.1 50.0 75.0

Manual Integrations
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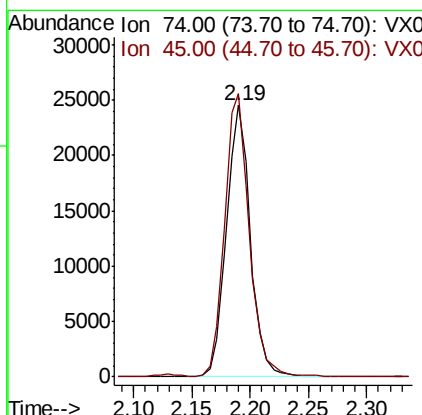
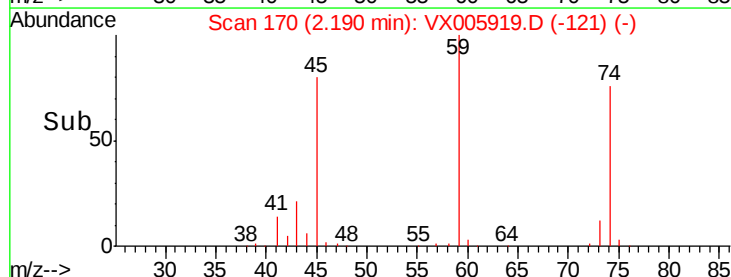
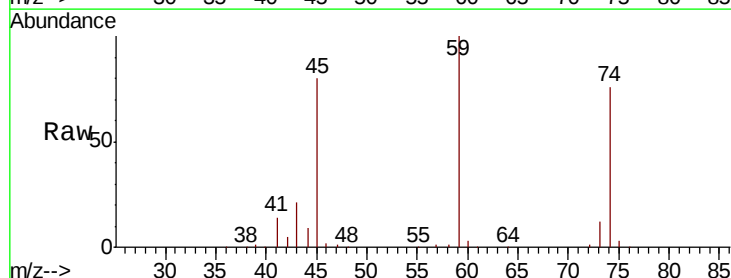
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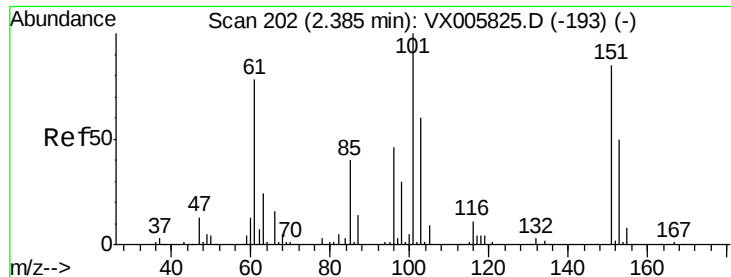


#8

Diethyl Ether
Concen: 55.243 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion: 74 Resp: 34958
Ion Ratio Lower Upper
74 100
45 106.3 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.071 ug/l

RT: 2.38 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

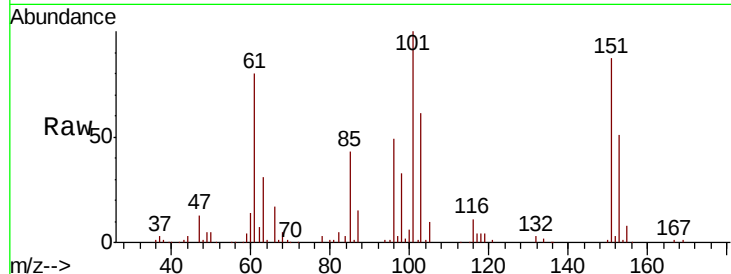
ClientSampleId :

VSTDCCC050

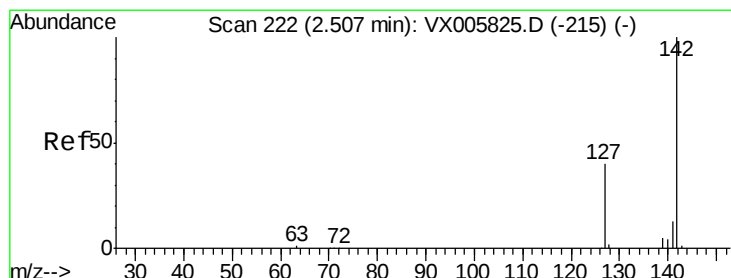
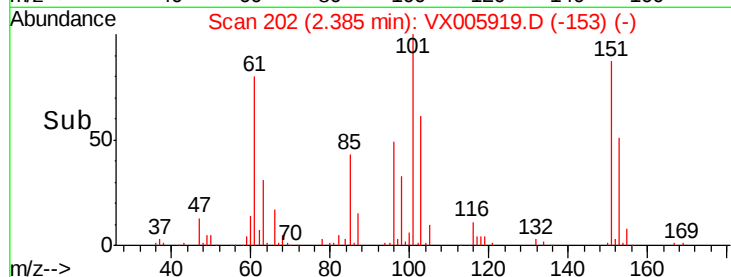
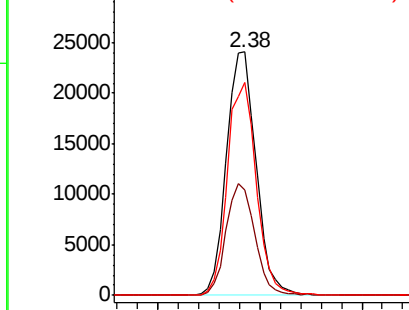
Tot Ion:	101	Resp:	48365
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.0	52.4
151	85.1	66.2	99.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.122 ug/l

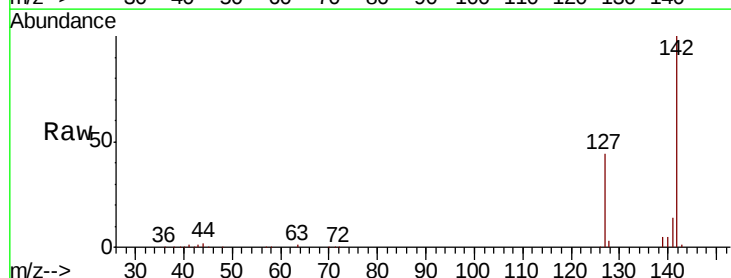
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

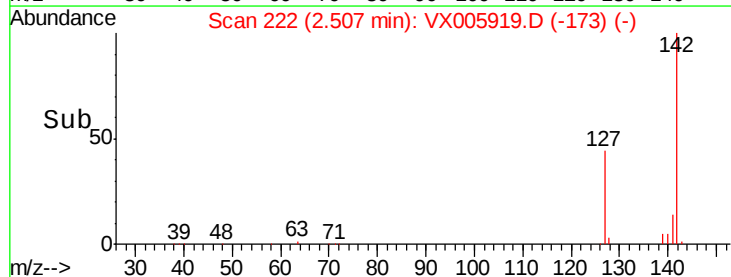
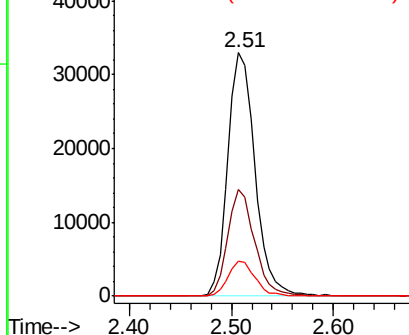
Lab File: VX005919.D

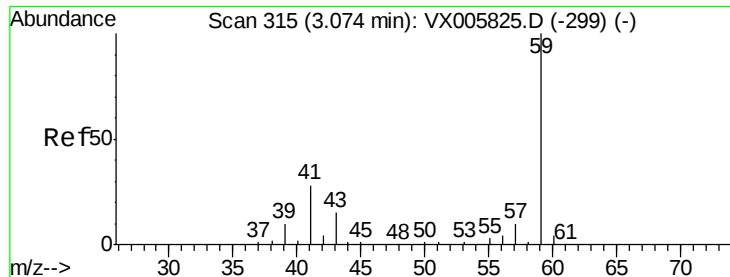
Acq: 12 Nov 2018 23:59

Tgt Ion:	142	Resp:	60925
Ion Ratio	Lower	Upper	
142	100		
127	43.2	36.0	54.0
141	14.1	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





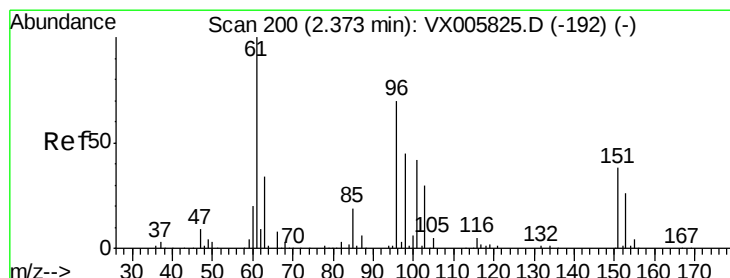
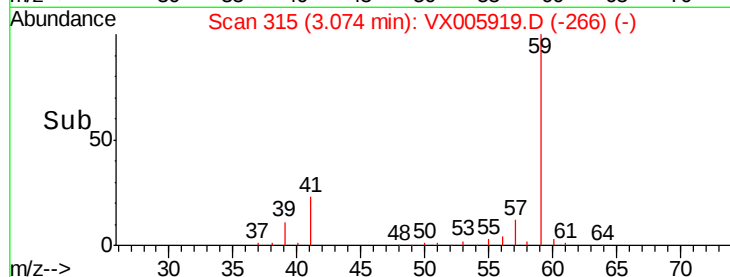
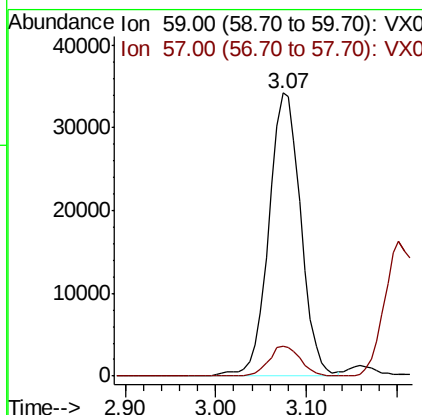
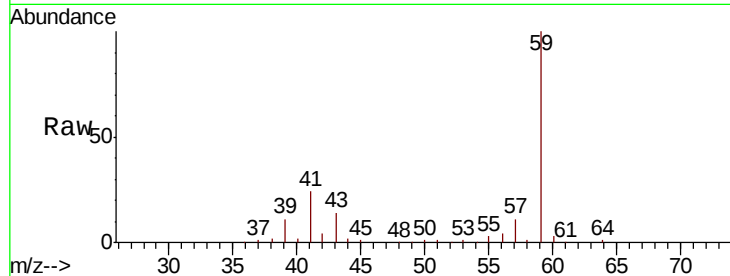
#11
Tert butyl alcohol
Concen: 247.551 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 83501
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

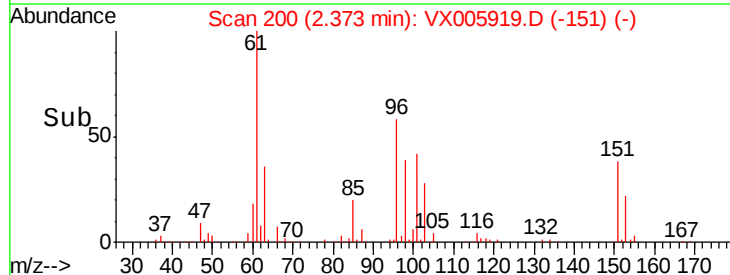
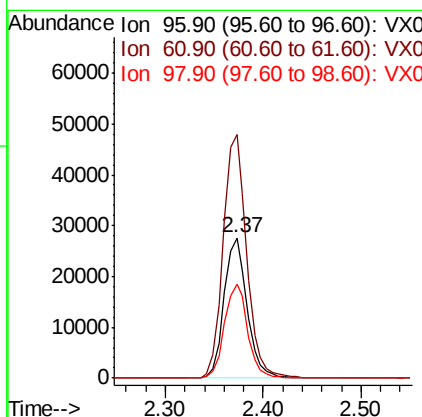
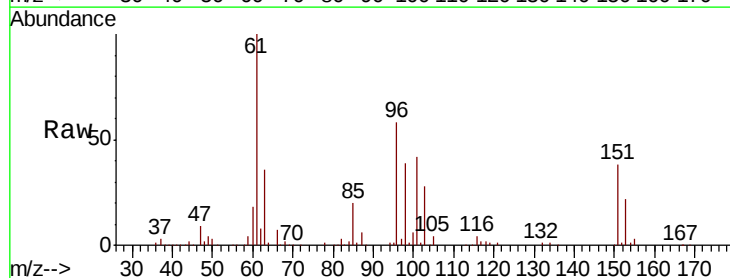
Manual Integrations
APPROVED

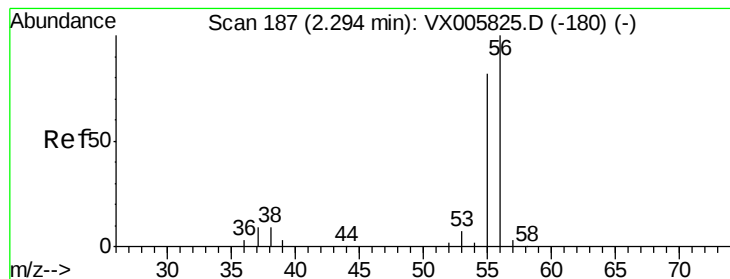
MMDadoda
11/13/2018 12:19:27 PM



#12
1,1-Dichloroethene
Concen: 49.843 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion: 96 Resp: 45123
Ion Ratio Lower Upper
96 100
61 173.4 131.8 197.8
98 67.3 53.4 80.2





#13

Acrolein

Concen: 356.220 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 58710

Ion Ratio Lower Upper

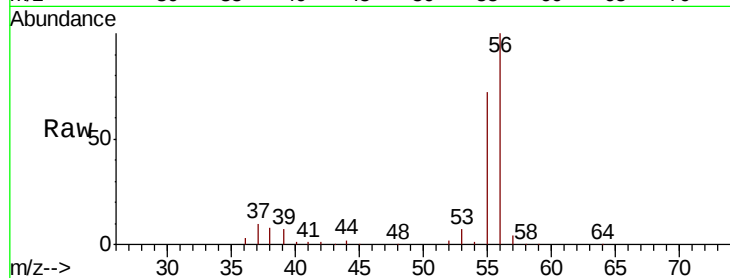
56 100

55 70.2 57.3 85.9

Manual Integrations
APPROVED

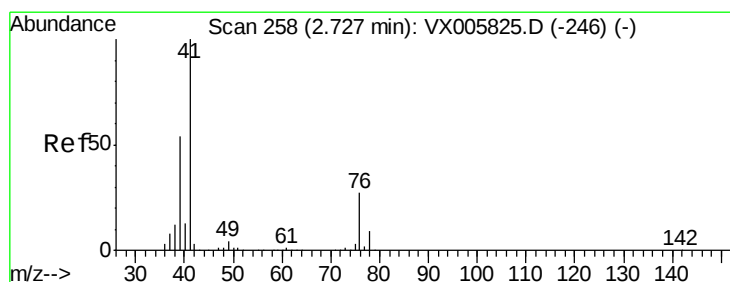
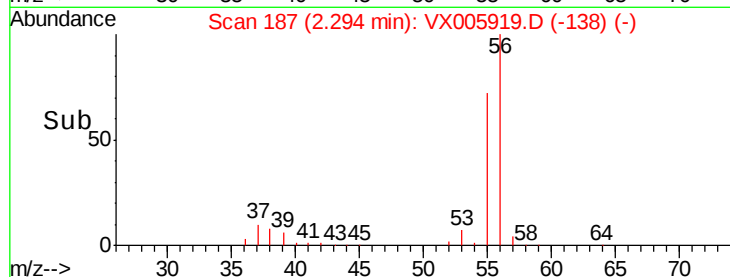
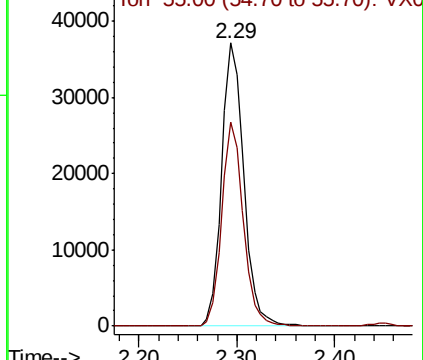
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 50.953 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

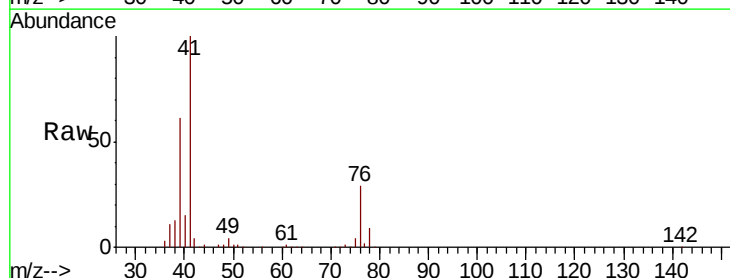
Tgt Ion: 41 Resp: 103024

Ion Ratio Lower Upper

41 100

39 59.4 48.2 72.4

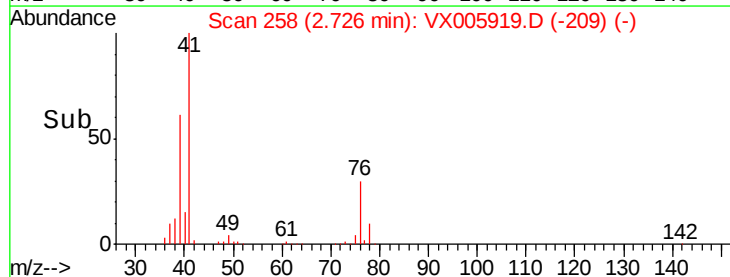
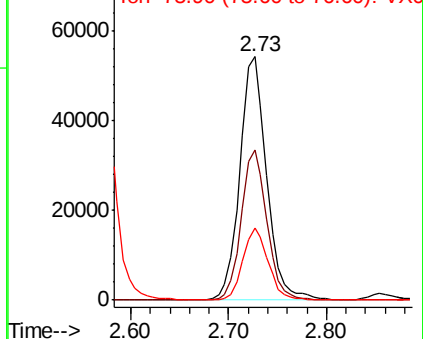
76 27.9 21.9 32.9

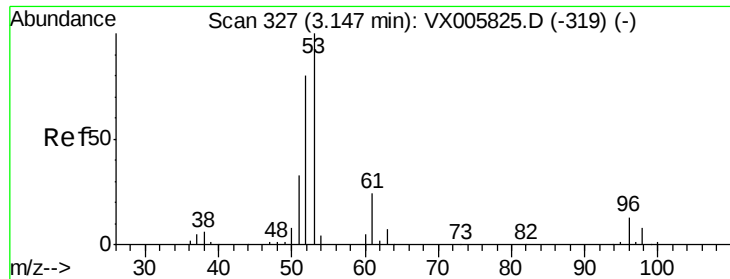


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





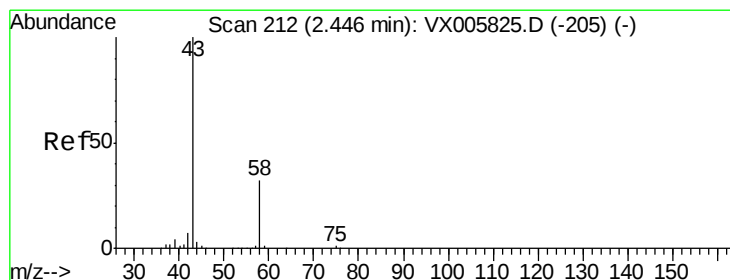
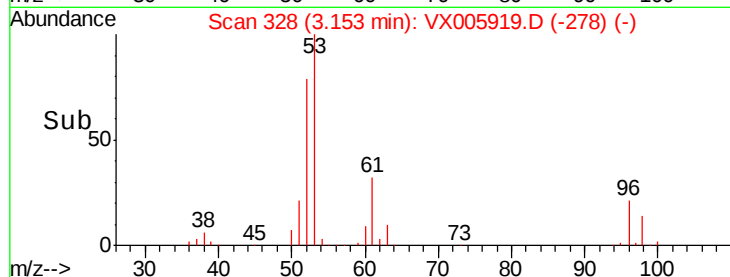
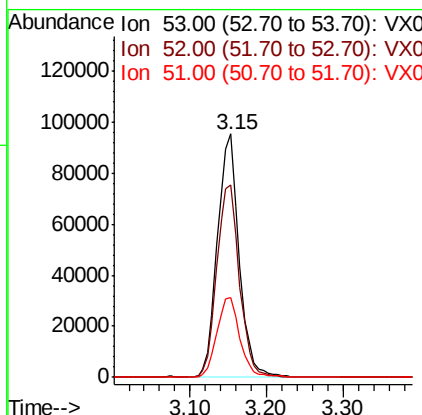
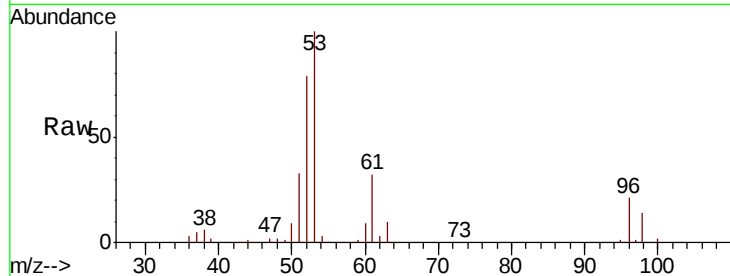
#15
Acrylonitrile
Concen: 266.116 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.6	99.8
51	35.3	28.4	42.6

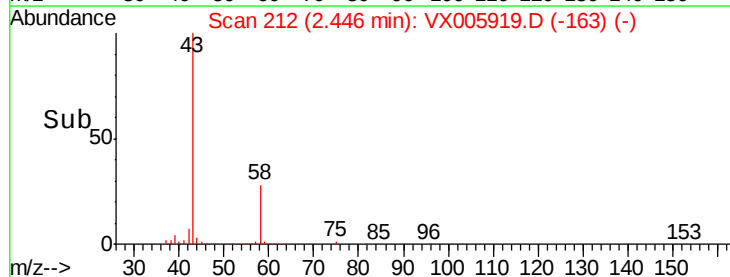
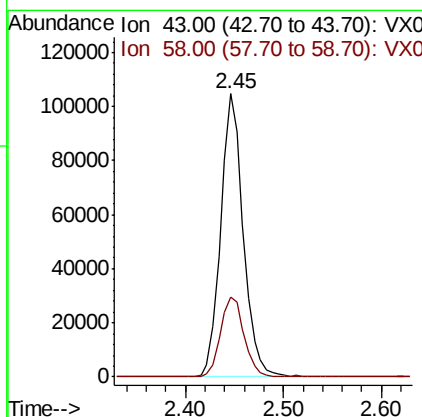
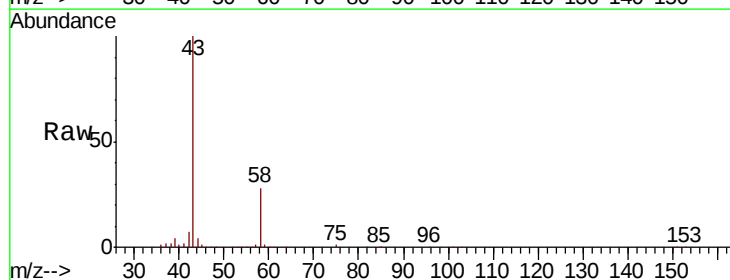
Manual Integrations
APPROVED

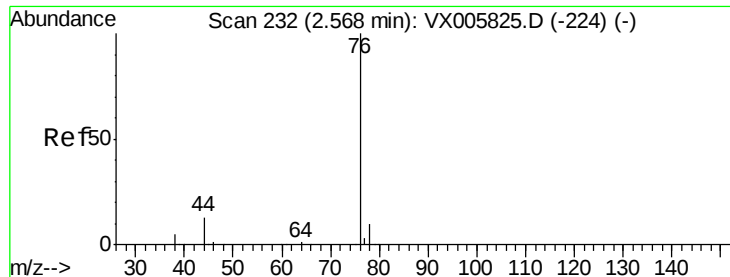
MMDadoda
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#16
Acetone
Concen: 262.357 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.4	23.8	35.6





#17

Carbon Disulfide

Concen: 49.880 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 134693

Ion Ratio Lower Upper

76 100

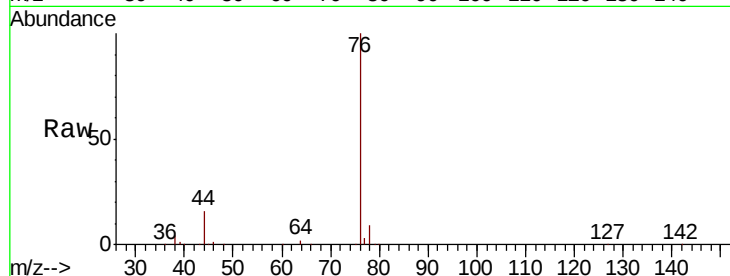
78 9.1 7.3 10.9

Manual Integrations

APPROVED

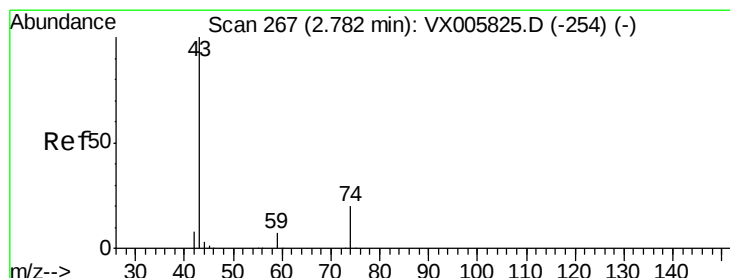
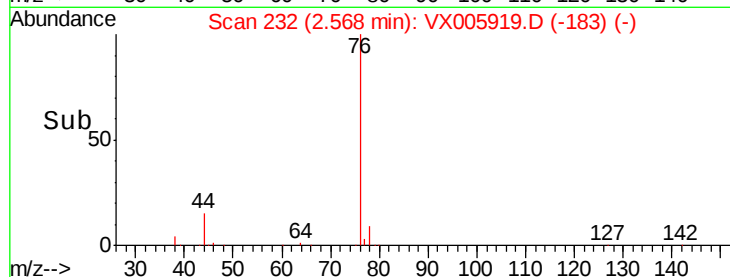
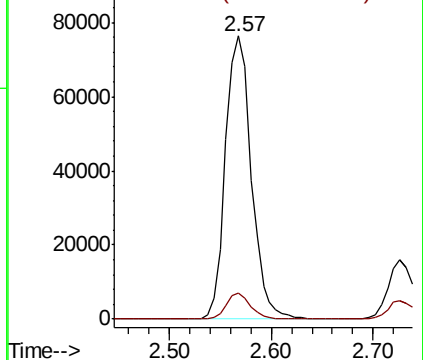
MMDadoda

11/13/2018 12:19:27 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 59.109 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005919.D

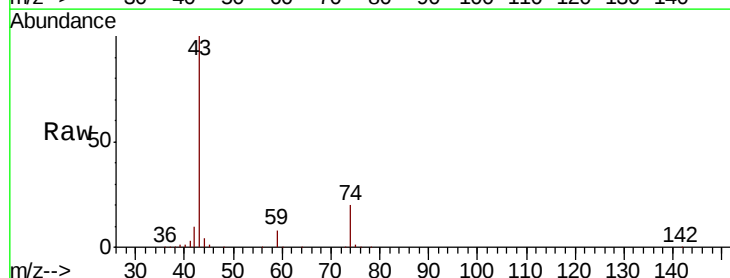
Acq: 12 Nov 2018 23:59

Tgt Ion: 43 Resp: 99967

Ion Ratio Lower Upper

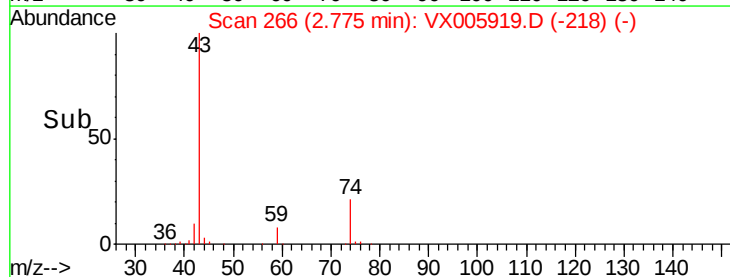
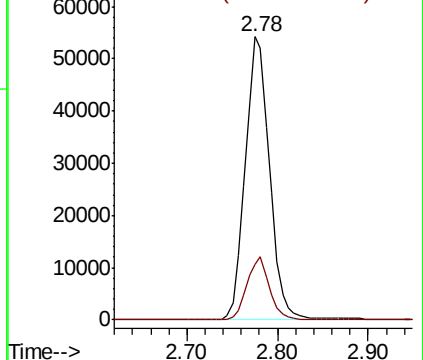
43 100

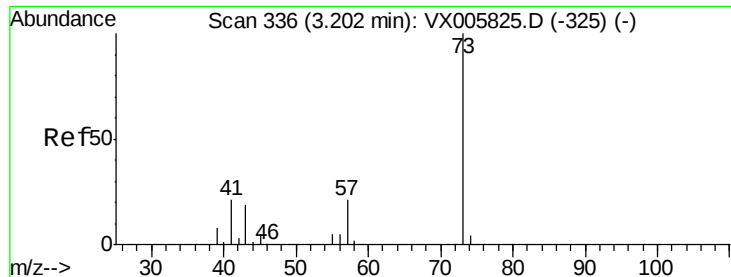
74 20.8 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





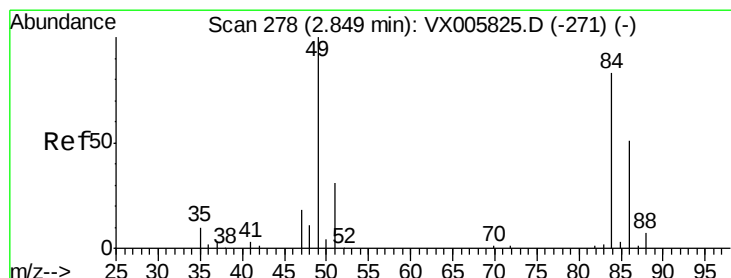
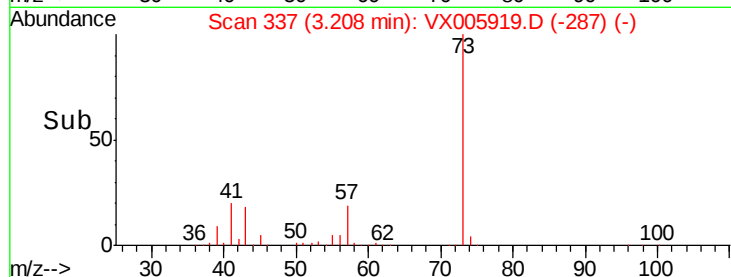
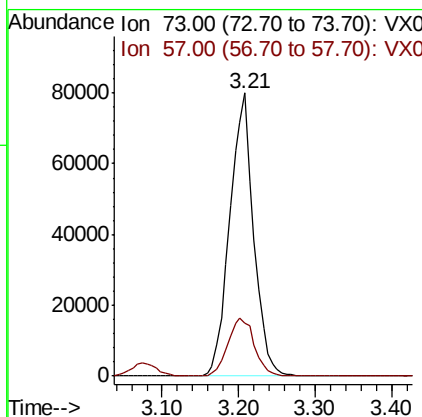
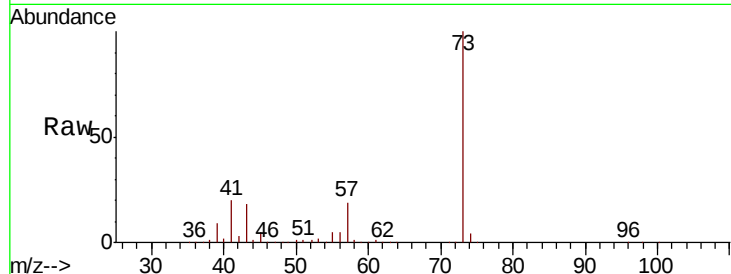
#19
Methvl tert-butvl Ether
Concen: 55.753 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 172269
Ion Ratio Lower Upper
73 100
57 18.9 18.8 28.2

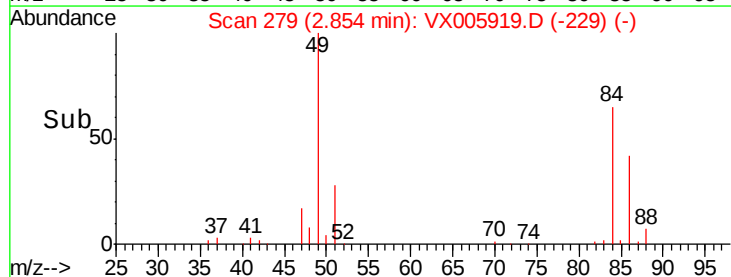
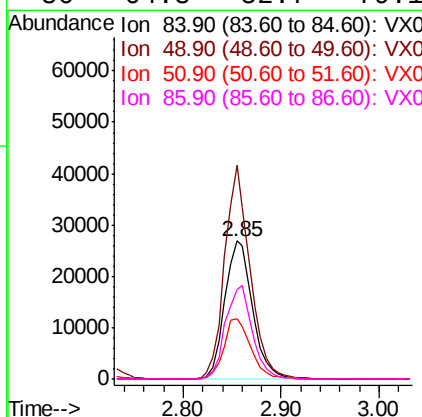
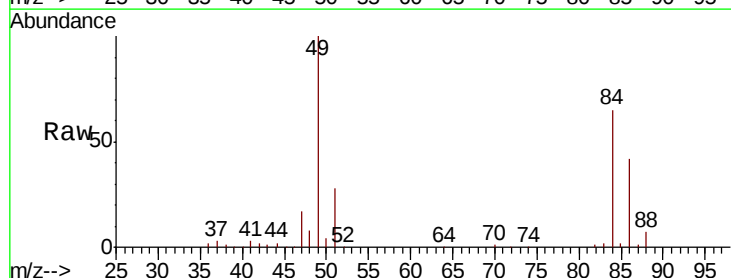
Manual Integrations
APPROVED

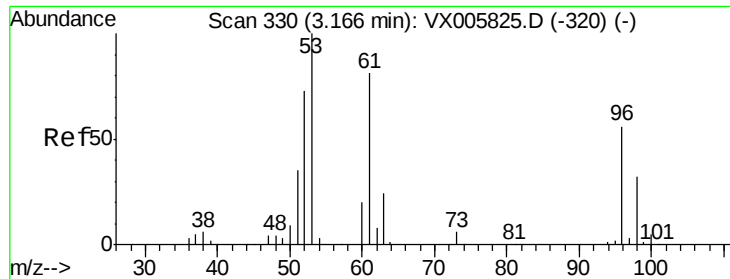
MMDadoda
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#20
Methylene Chloride
Concen: 50.684 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion: 84 Resp: 52784
Ion Ratio Lower Upper
84 100
49 155.0 109.5 164.3
51 43.6 33.3 49.9
86 64.8 52.7 79.1





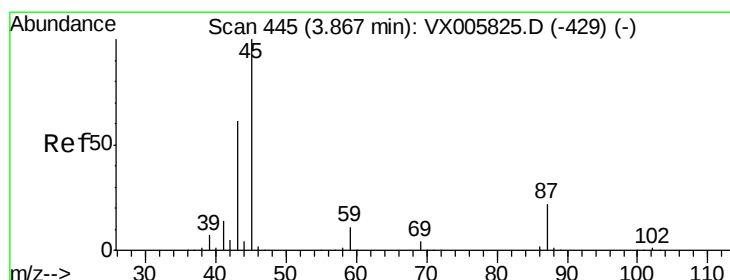
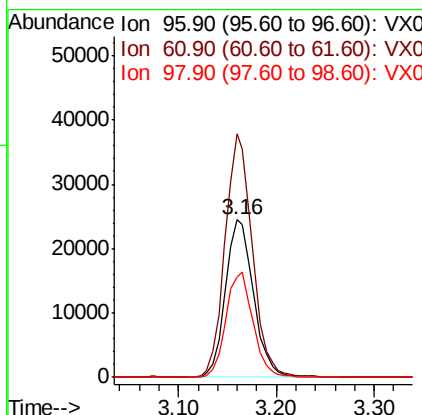
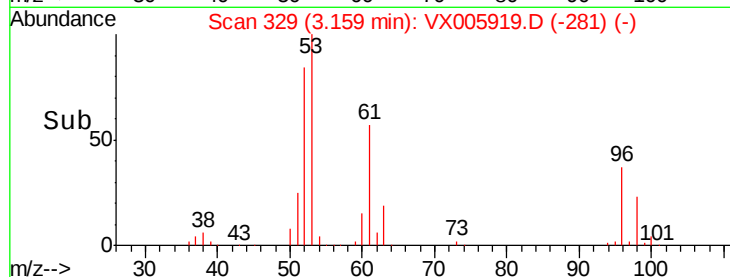
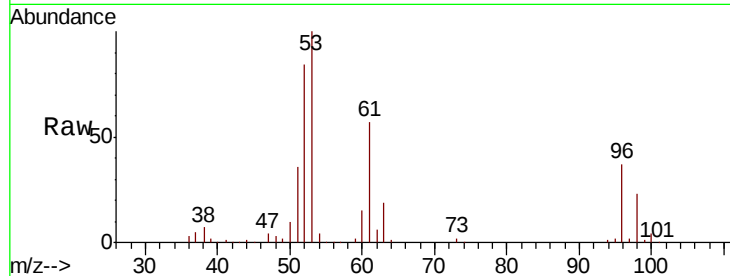
#21
trans-1,2-Dichloroethene
Concen: 50.786 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	115.6	173.4
98	63.4	50.2	75.2

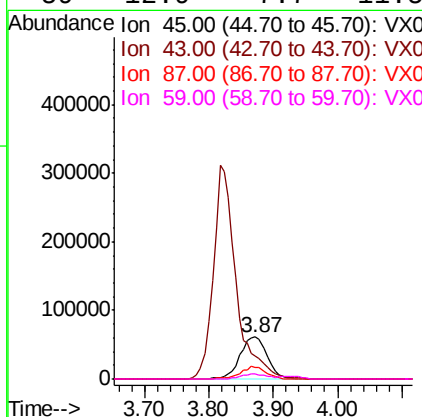
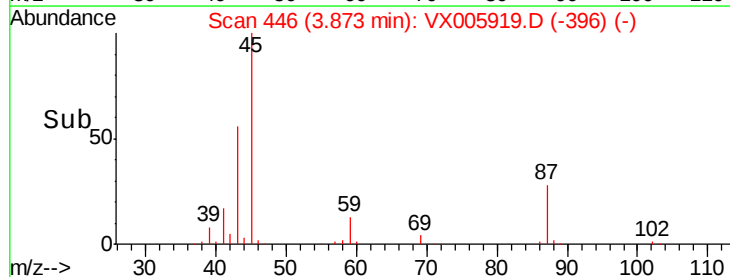
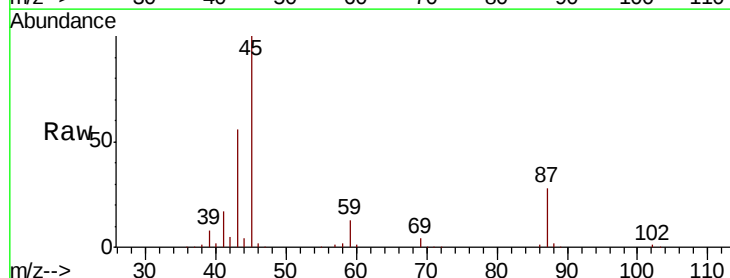
Manual Integrations
APPROVED

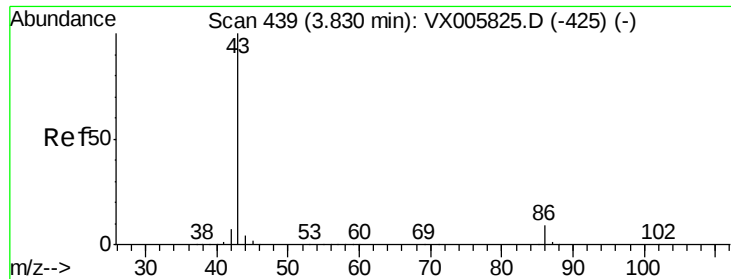
MMDadoda
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#22
Diisopropyl ether
Concen: 50.275 ug/l
RT: 3.87 min Scan# 446
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.7	47.4	71.2
87	27.9	15.9	23.9#
59	12.9	7.7	11.5#





#23

Vinyl Acetate

Concen: 254.569 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 773106

Ion Ratio Lower Upper

43 100

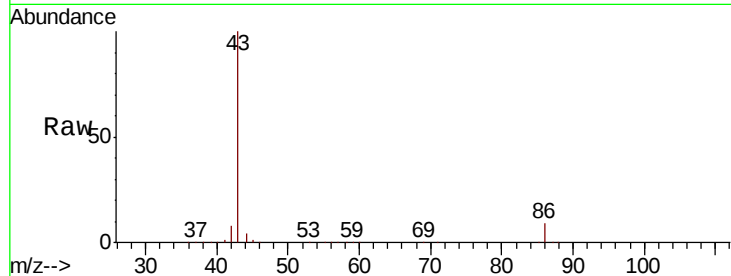
86 8.9 7.4 11.2

Manual Integrations

APPROVED

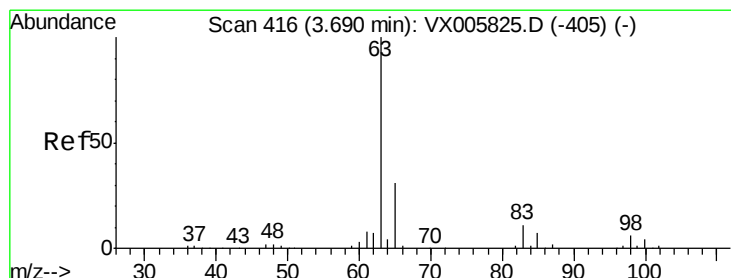
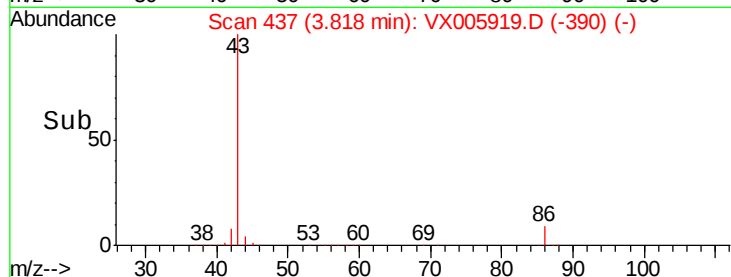
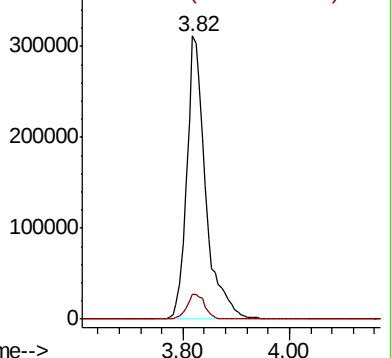
MMDadoda

11/13/2018 12:19:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.621 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

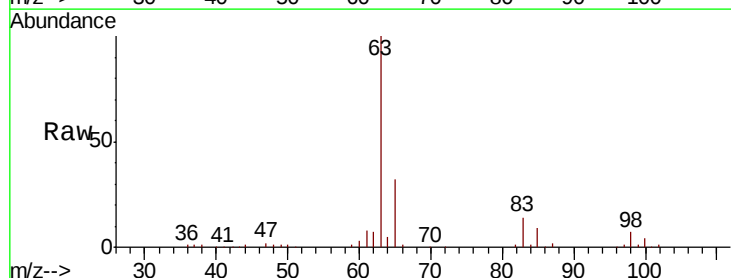
Tgt Ion: 63 Resp: 95659

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

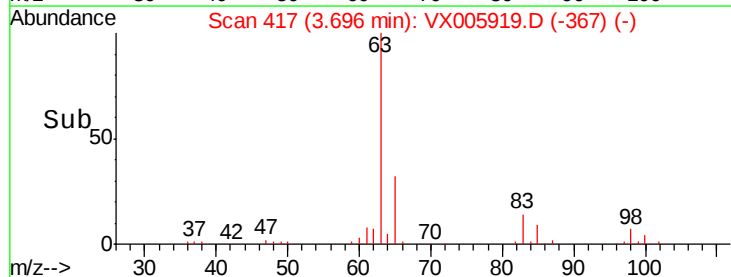
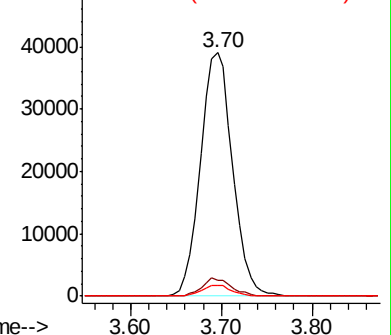
100 4.3 2.1 6.2

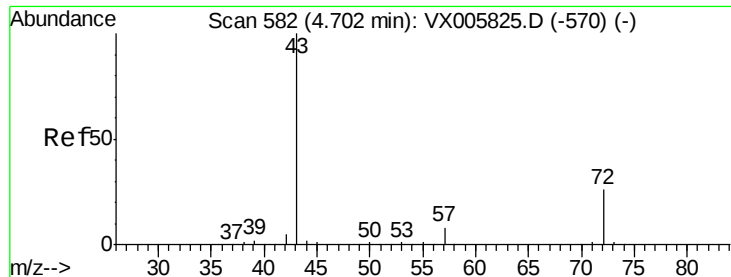


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 265.732 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 264863

Ion Ratio Lower Upper

43 100

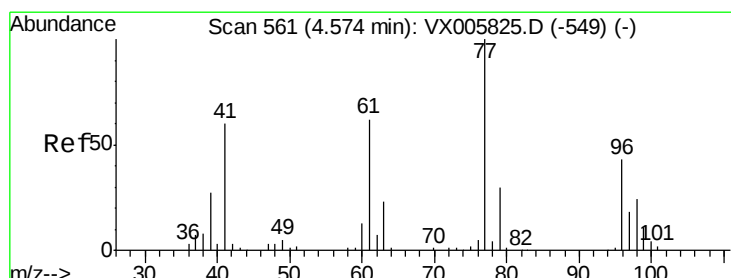
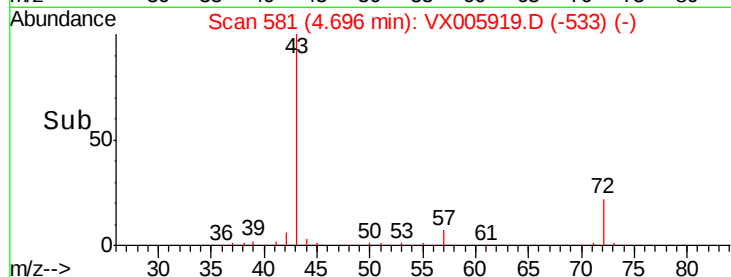
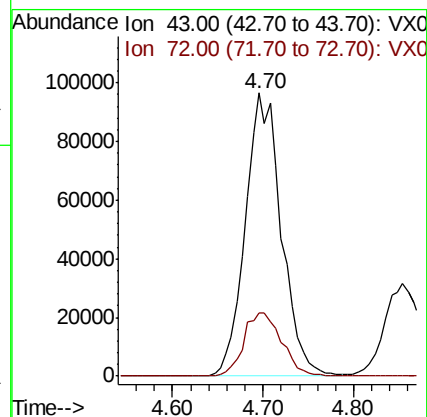
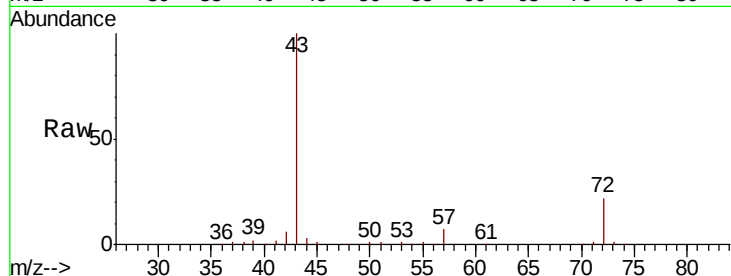
72 22.3 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.028 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005919.D

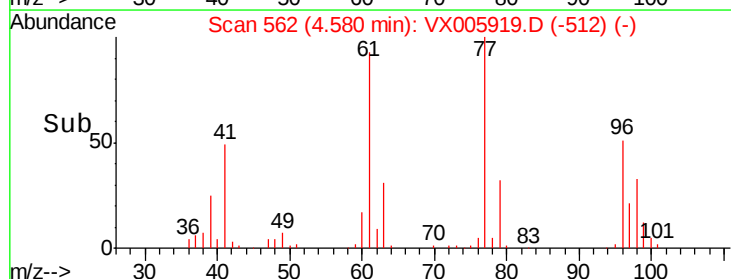
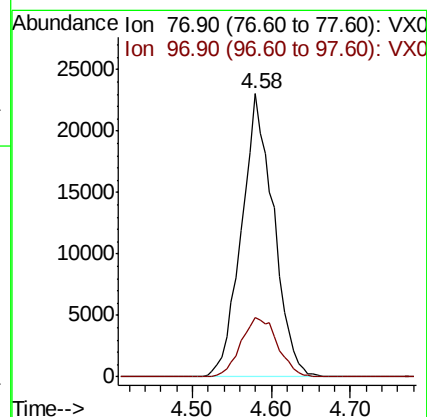
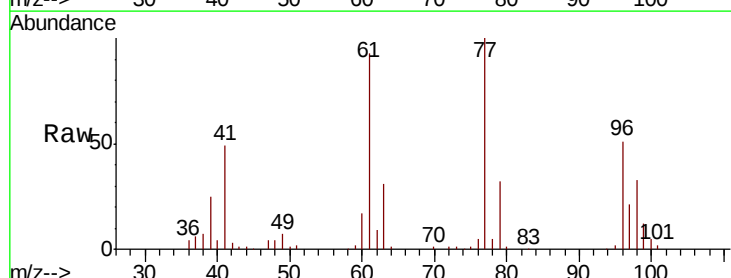
Acq: 12 Nov 2018 23:59

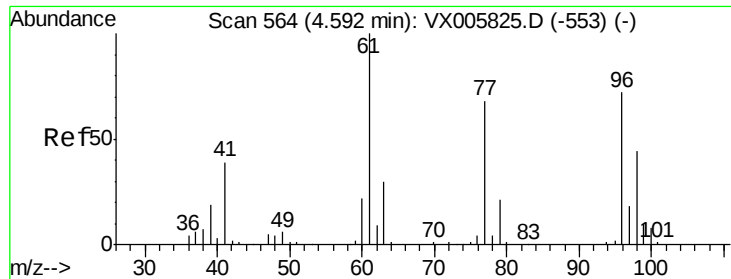
Tgt Ion: 77 Resp: 65190

Ion Ratio Lower Upper

77 100

97 23.9 11.5 34.5





#27

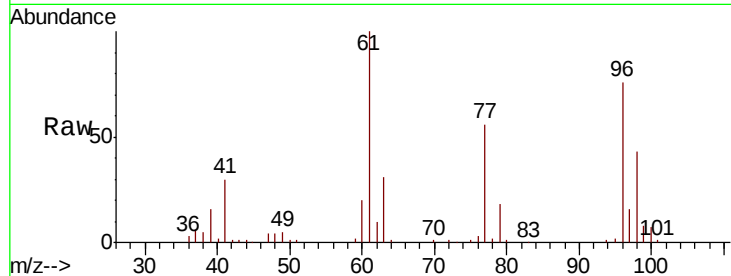
cis-1,2-Dichloroethene
 Concen: 50.882 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

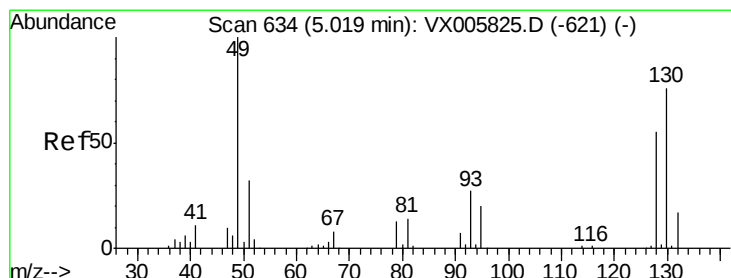
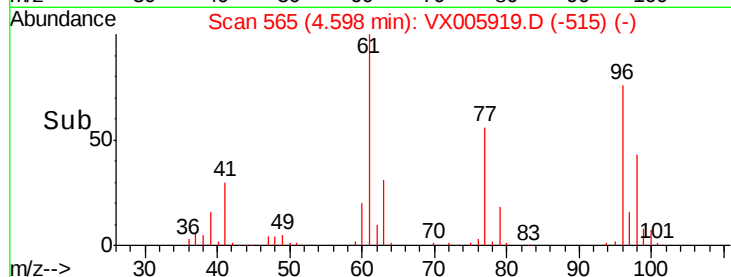
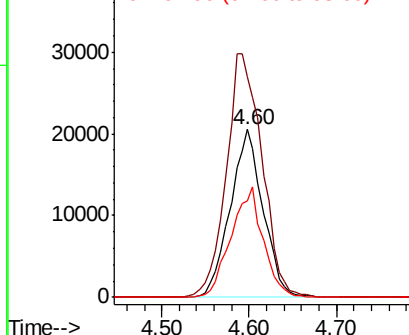
Tot Ion	Ratio	Lower	Upper
96	100		
61	157.8	0.0	304.6
98	64.4	0.0	127.4

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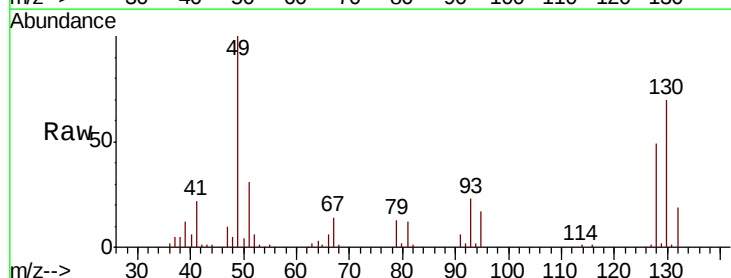
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



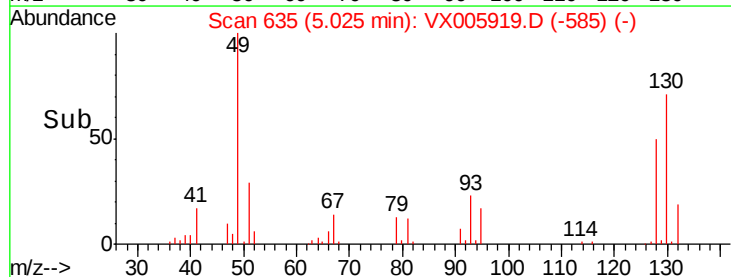
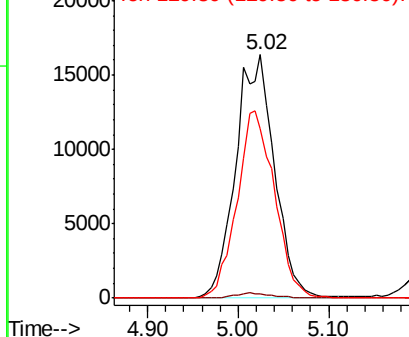
#28

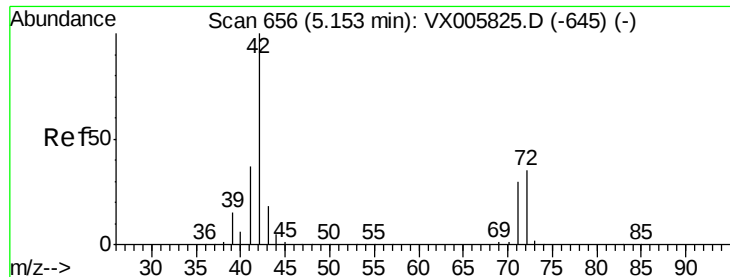
Bromochloromethane
 Concen: 57.129 ug/l
 RT: 5.02 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	74.5	58.9	88.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 265.237 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

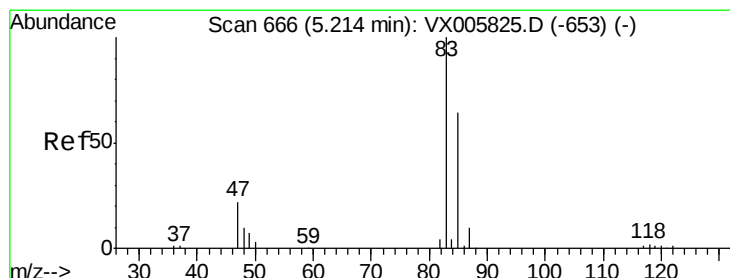
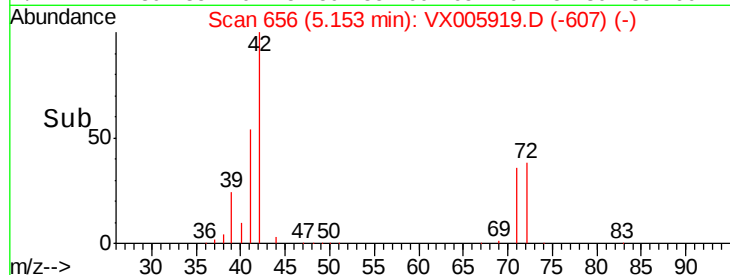
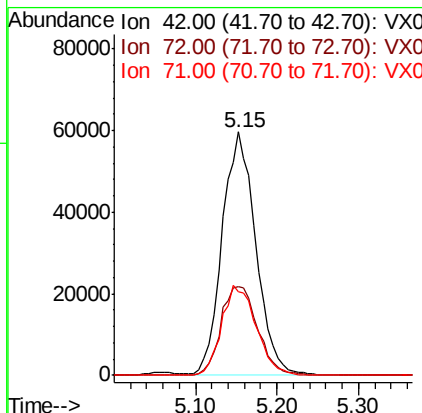
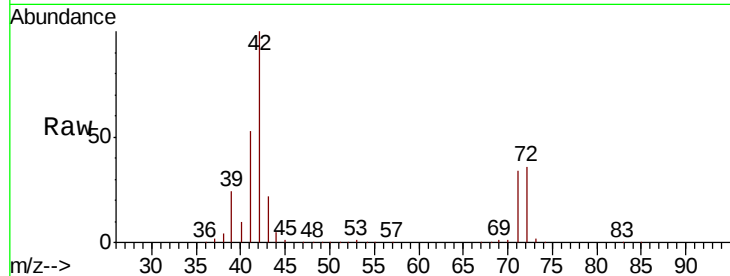
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	169745
Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.0	48.0
71	37.9	29.8	44.8

Manual Integrations
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#30

Chloroform

Concen: 53.403 ug/l

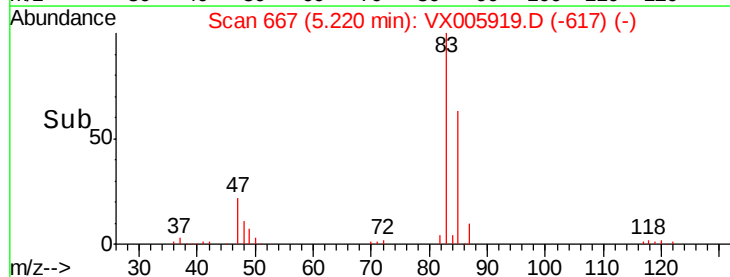
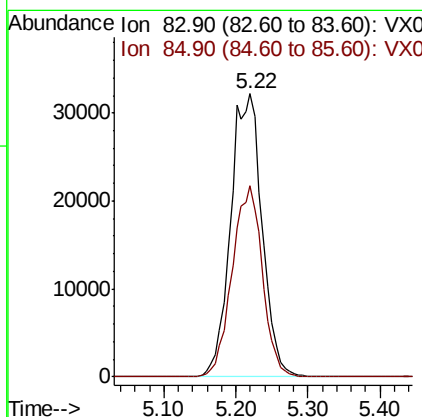
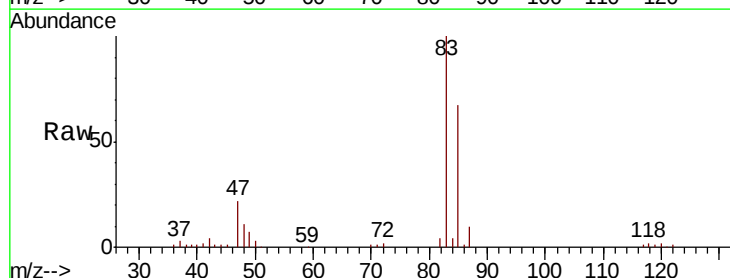
RT: 5.22 min Scan# 667

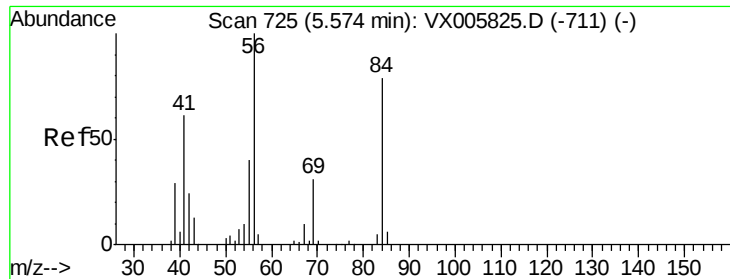
Delta R.T. 0.01 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Tgt Ion:	83	Resp:	97361
Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.6	76.0





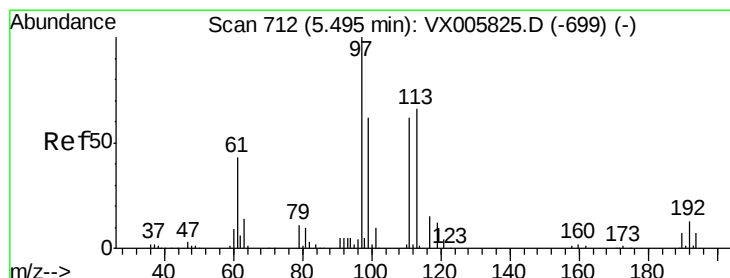
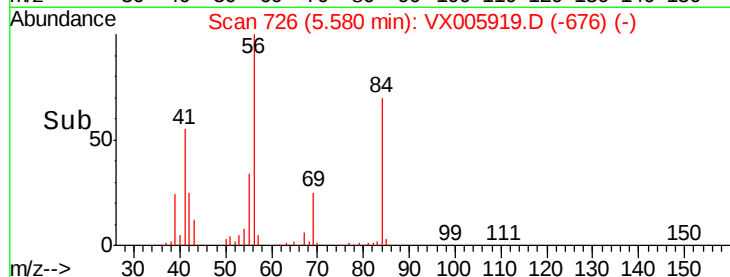
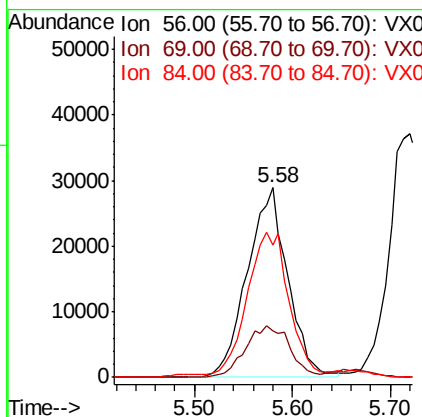
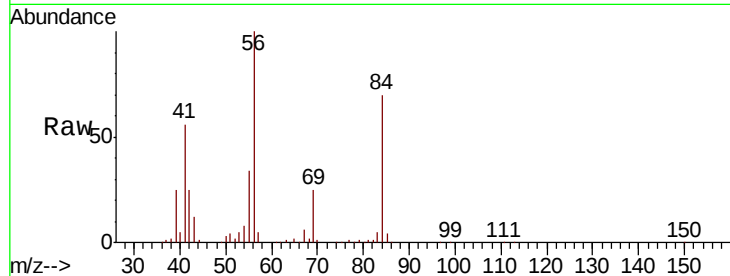
#31
Cyclohexane
Concen: 50.697 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.8	22.6	34.0
84	68.3	62.7	94.1

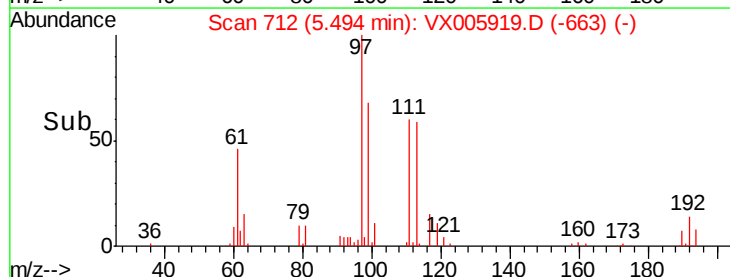
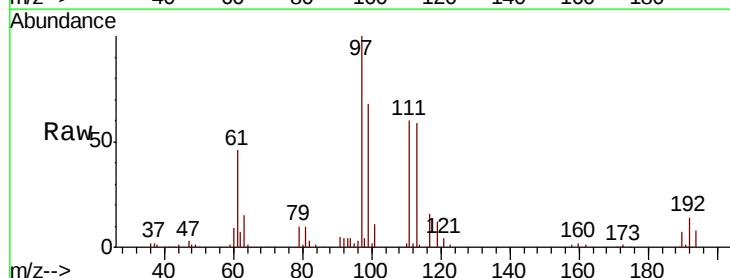
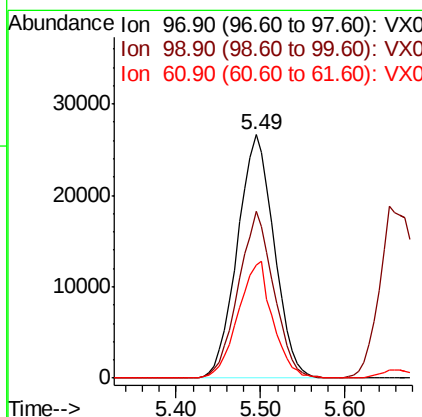
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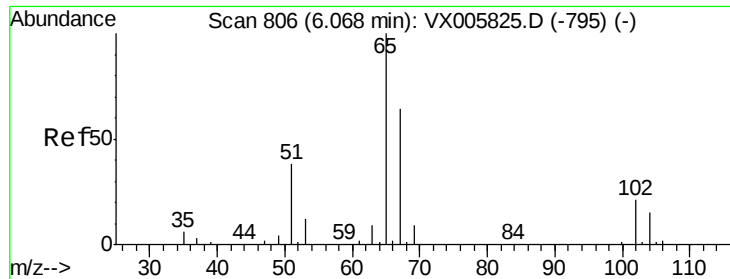
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#32
1,1,1-Trichloroethane
Concen: 51.771 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.3	78.5
61	45.2	35.2	52.8





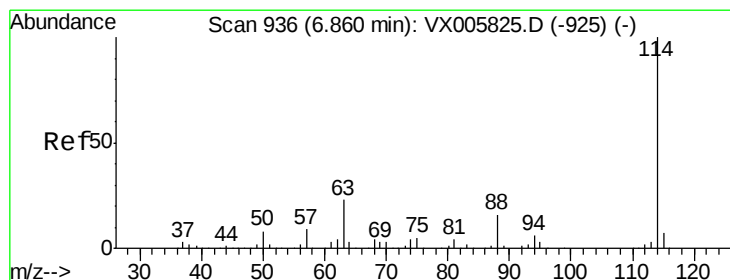
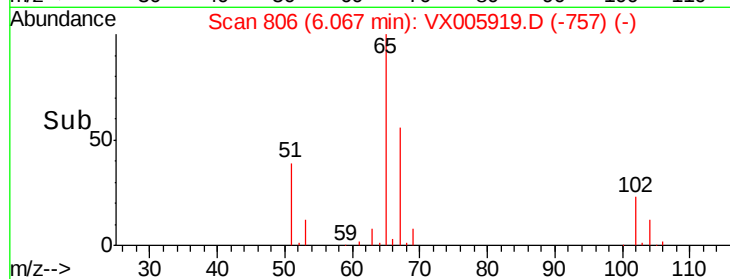
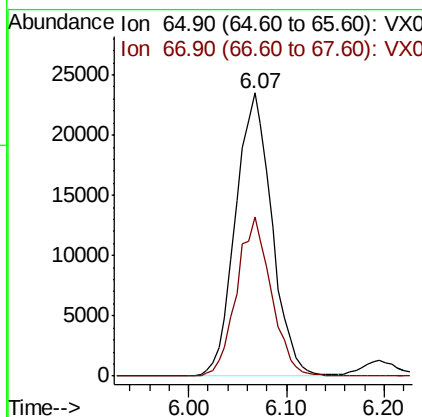
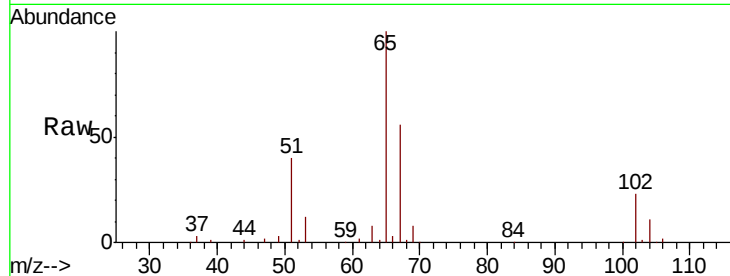
#33
 1,2-Dichloroethane-d4
 Concen: 51.492 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.0

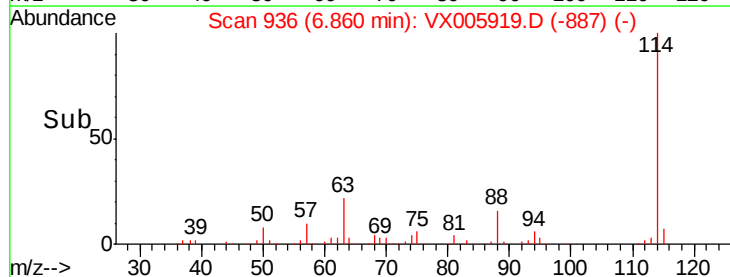
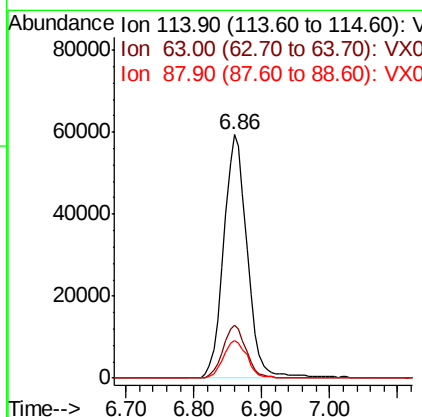
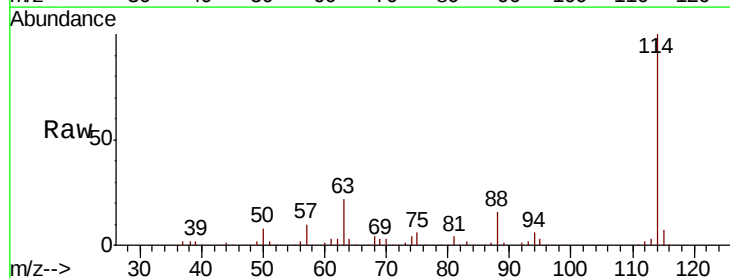
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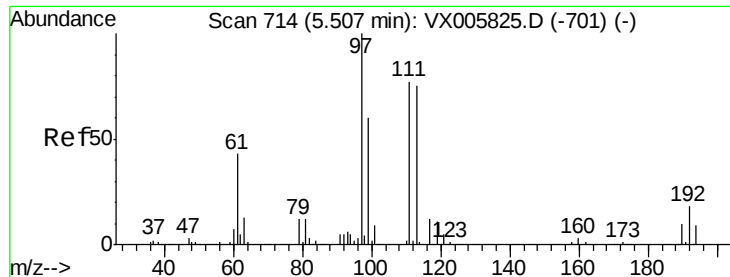
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.8
88	15.6	0.0	31.2





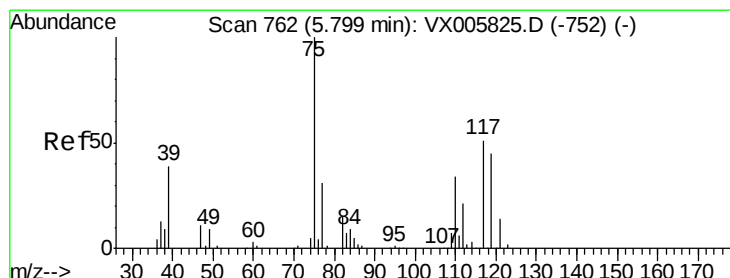
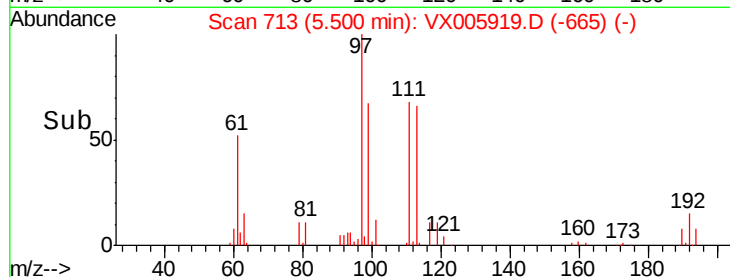
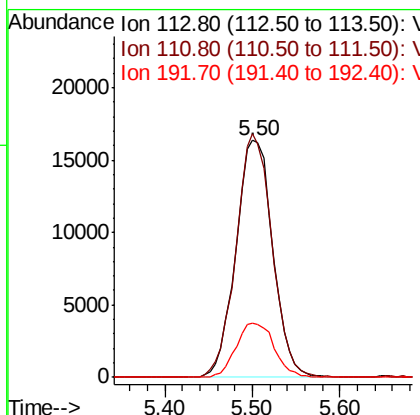
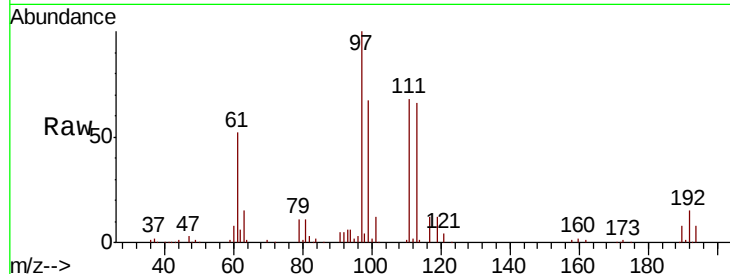
#35
 Dibromofluoromethane
 Concen: 49.449 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.3	82.3	123.5
192	23.4	17.9	26.9

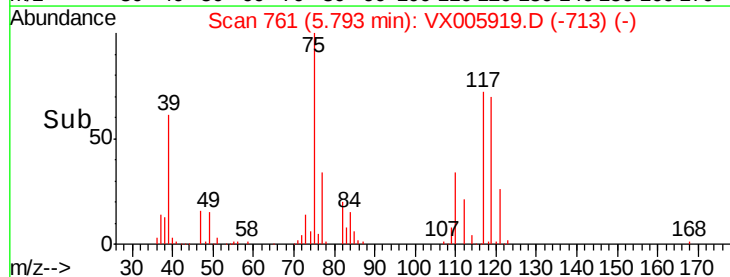
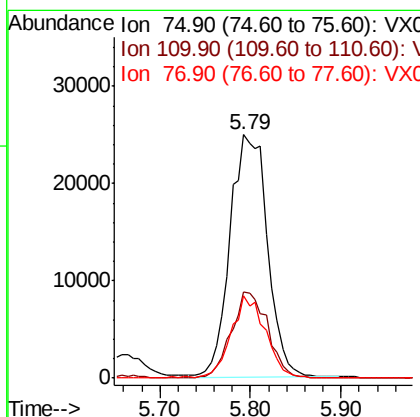
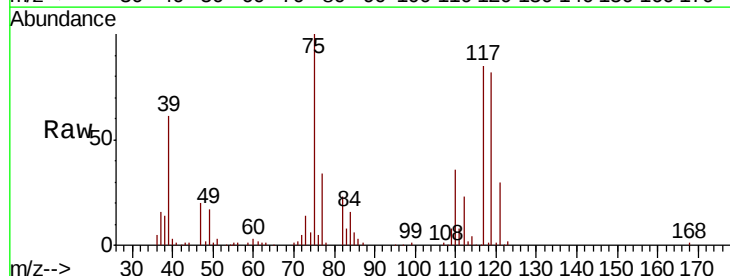
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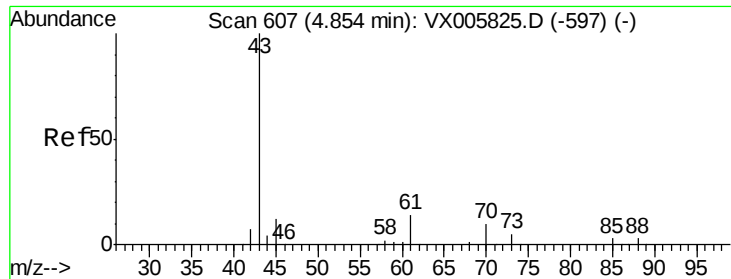
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#36
 1,1-Dichloropropene
 Concen: 51.755 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.4	52.2
77	31.2	25.8	38.6





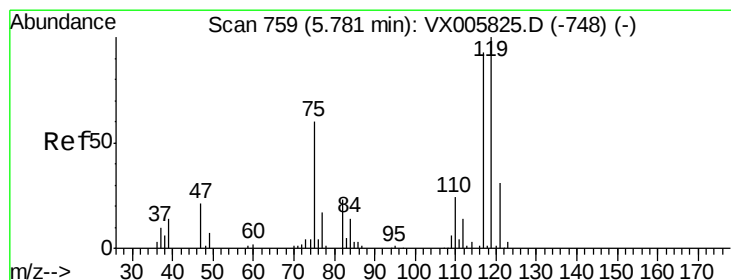
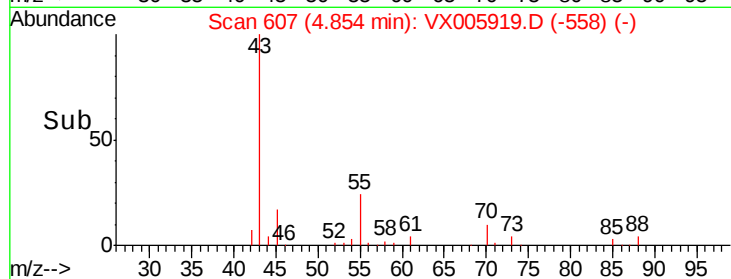
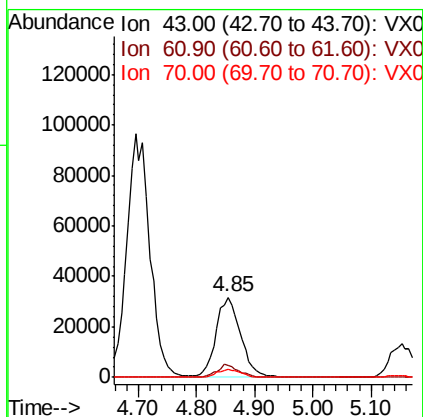
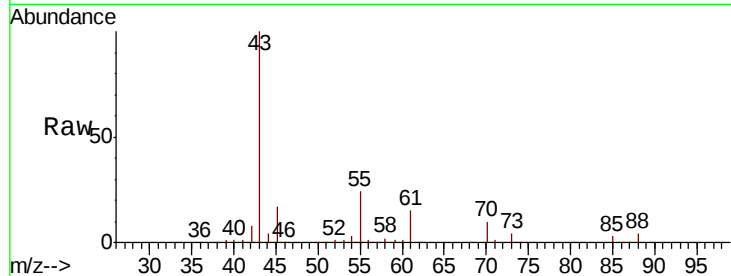
#37
Ethyl Acetate
Concen: 51.308 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	9.9	7.8	11.8

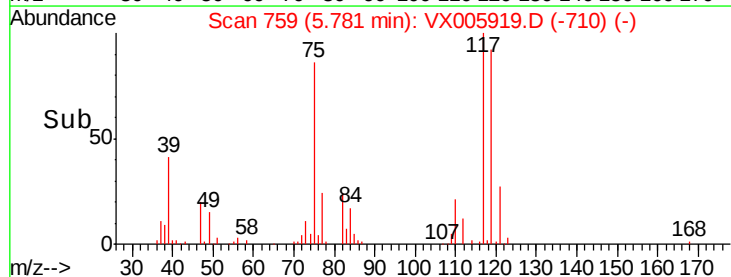
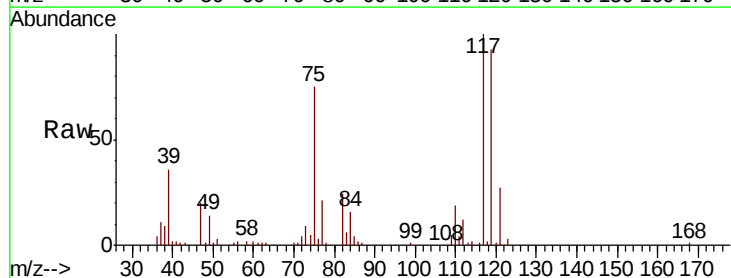
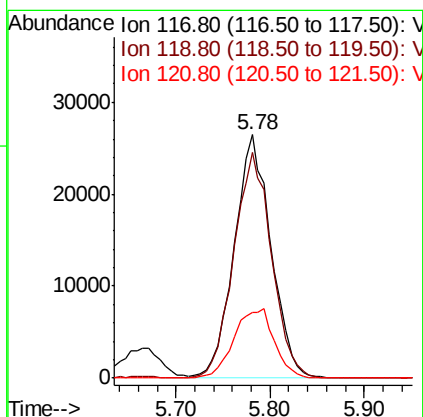
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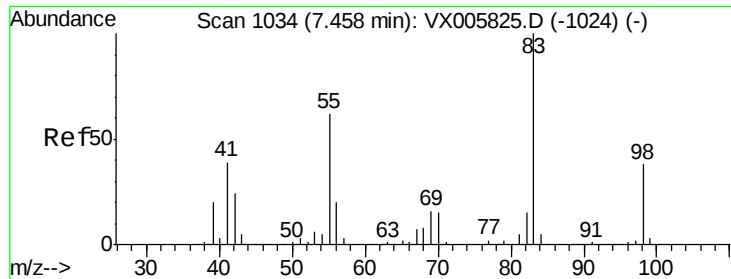
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.560 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	78.1	117.1
121	27.2	24.6	36.8





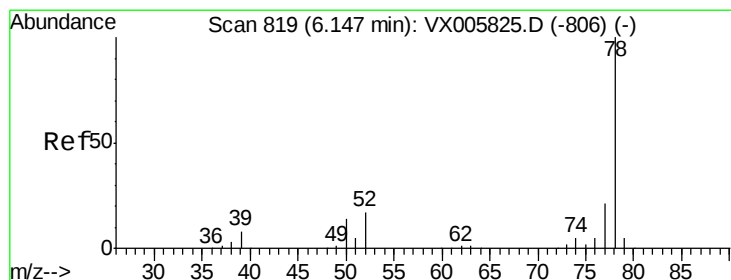
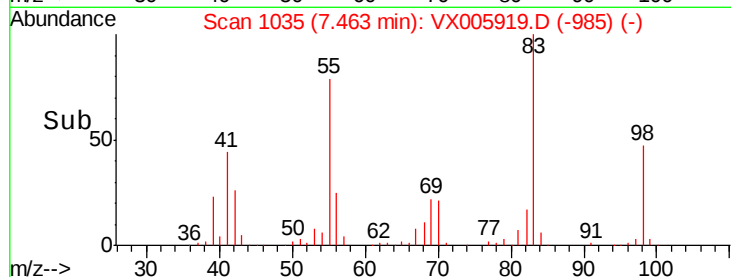
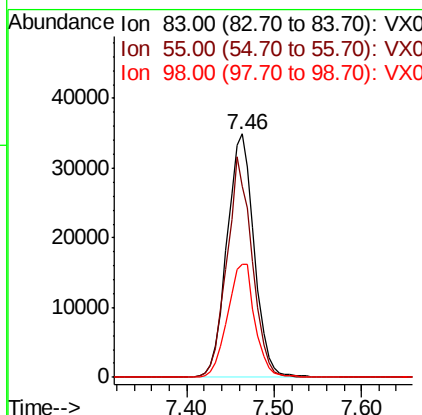
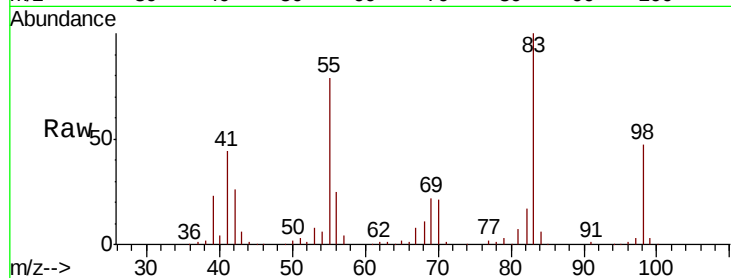
#39
Methvlcvclohexane
Concen: 54.003 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	63.7	95.5
98	46.6	36.2	54.2

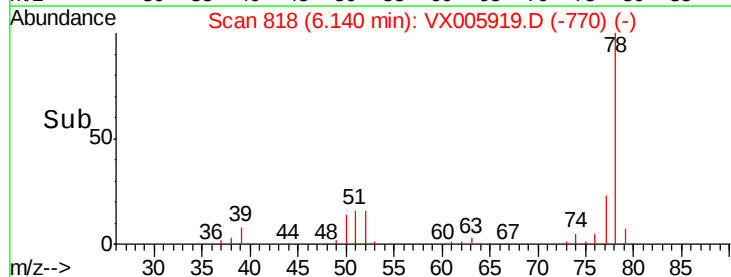
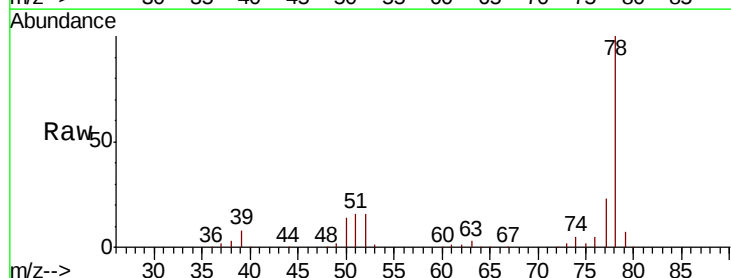
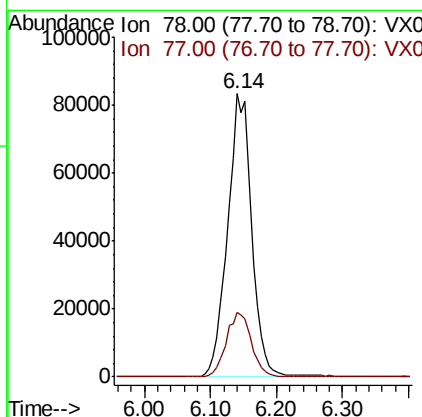
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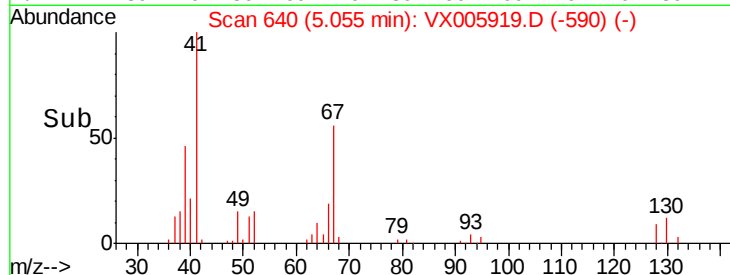
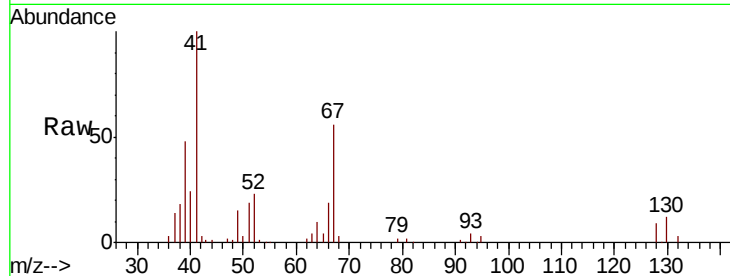
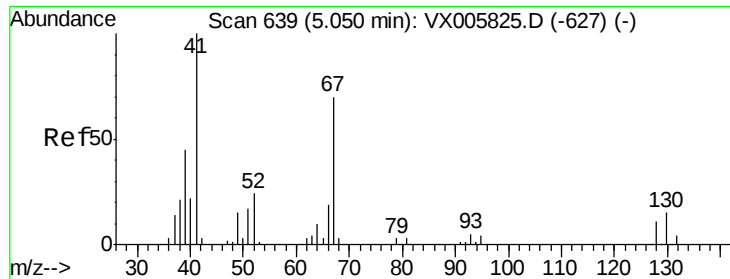
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#40
Benzene
Concen: 52.502 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





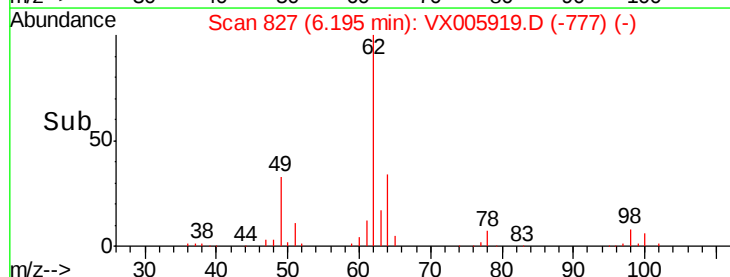
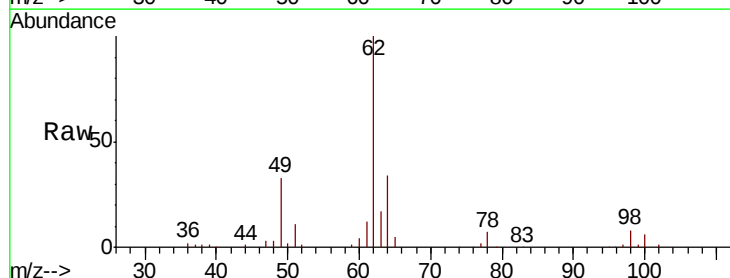
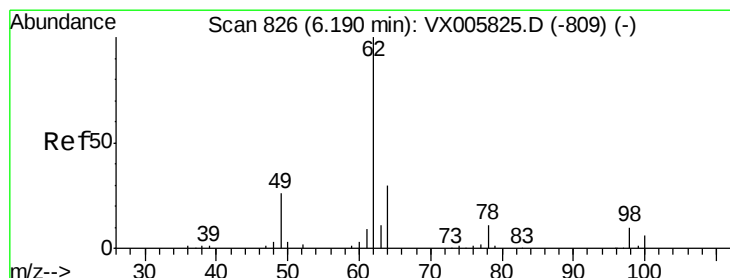
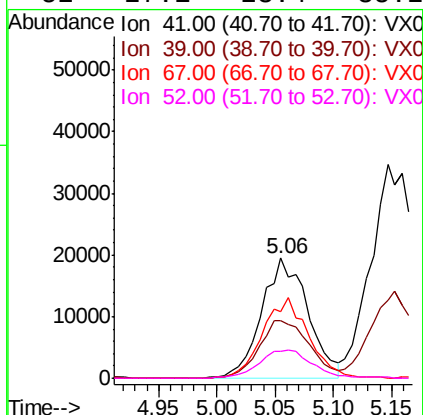
#41
Methacrylonitrile
Concen: 55.001 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	51.9	42.2	63.2
67	67	66.2	53.4	80.0
52	52	27.1	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

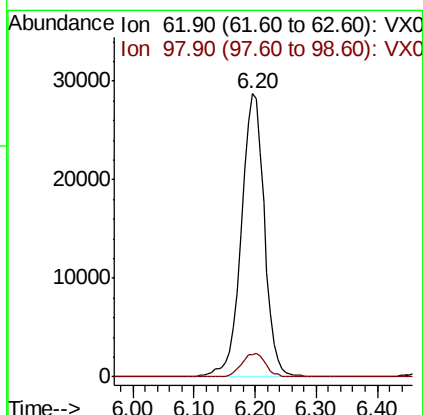
Manual Integrations
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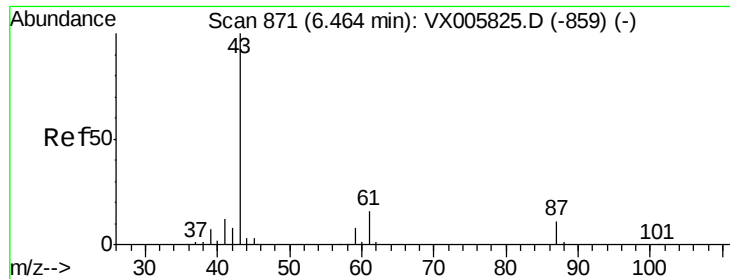
MMDadoda
11/13/2018 12:19:27 PM



#42
1,2-Dichloroethane
Concen: 52.203 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.6	0.0	17.8





#43

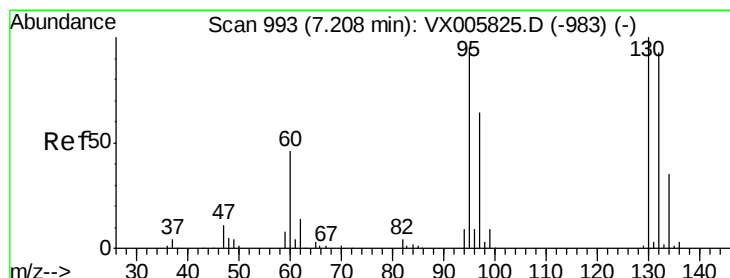
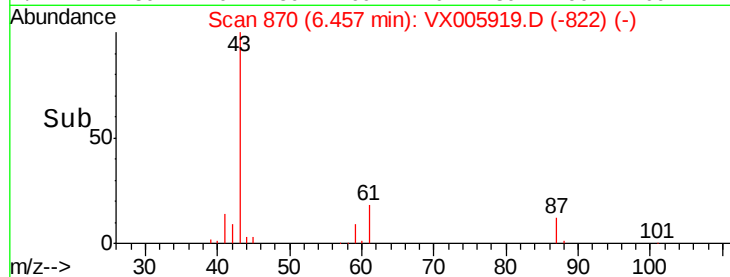
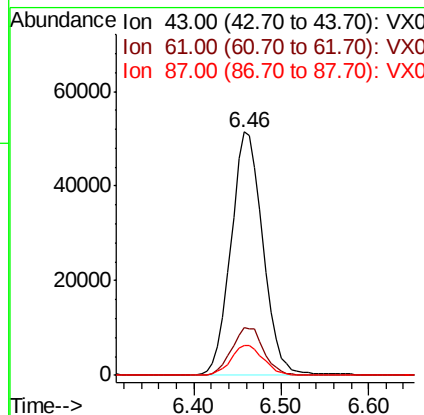
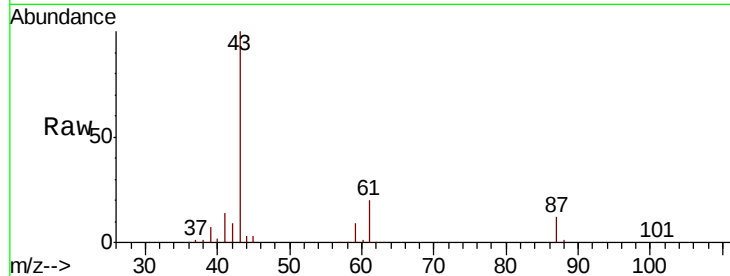
Isopropyl Acetate
 Concen: 50.011 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	43	Resp:	131094
Ion	Ratio	Lower	Upper
43	100		
61	19.7	14.6	22.0
87	12.4	9.6	14.4

Manual Integrations
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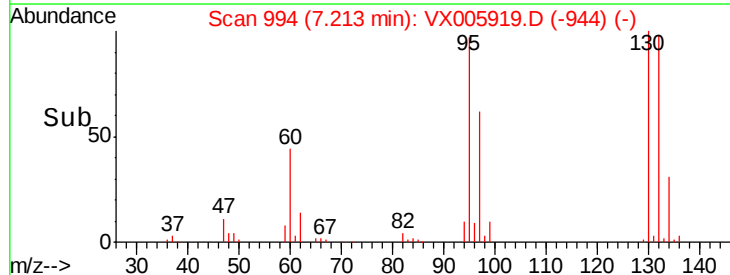
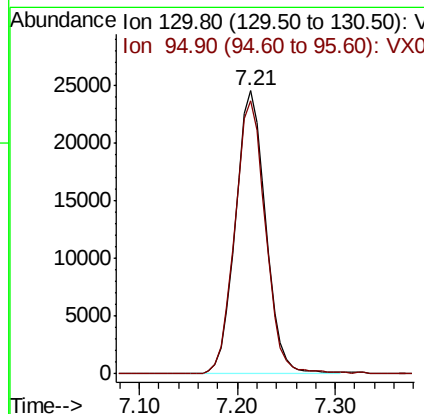
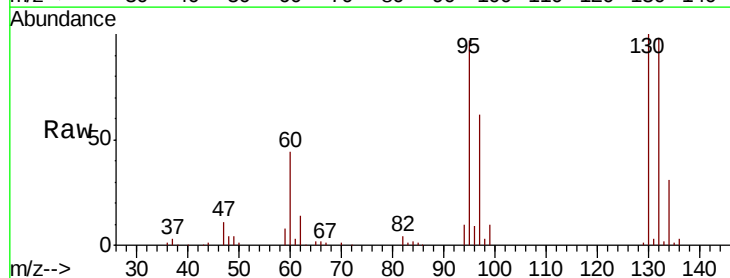
MMDadoda
 11/13/2018 12:19:27 PM

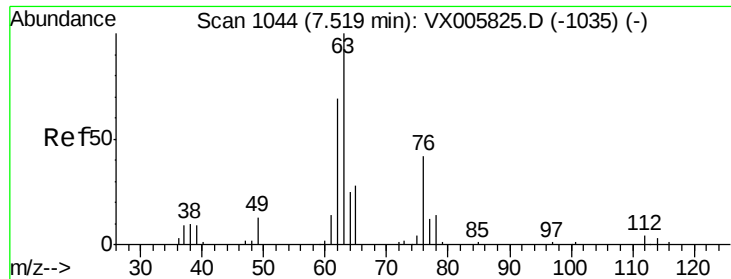


#44

Trichloroethene
 Concen: 51.652 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion:	130	Resp:	52605
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	194.2





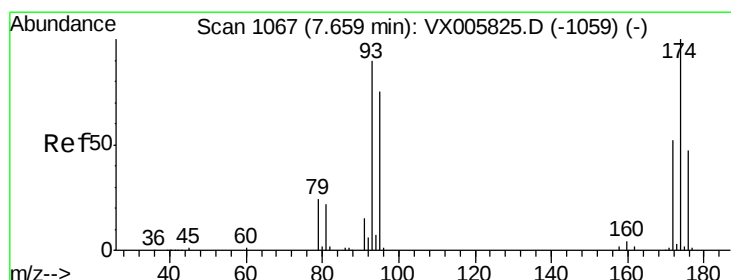
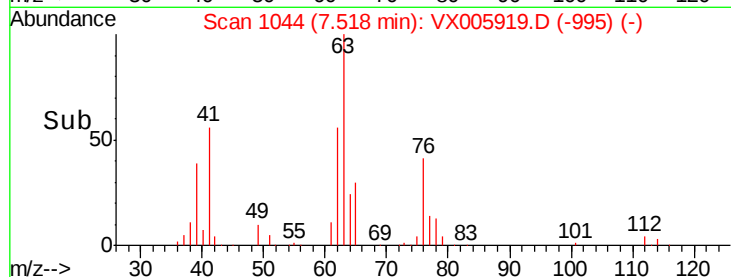
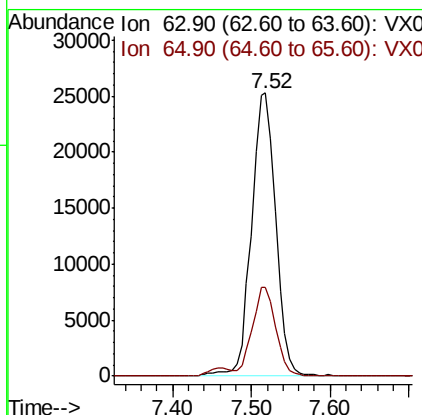
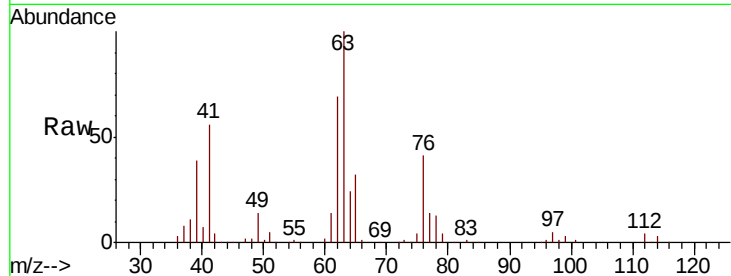
#45
 1,2-Dichloropropane
 Concen: 55.551 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 54072
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.8 37.2

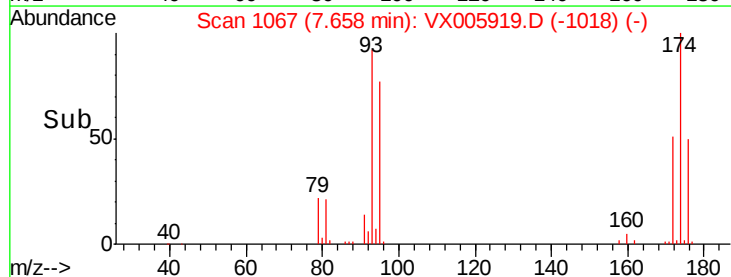
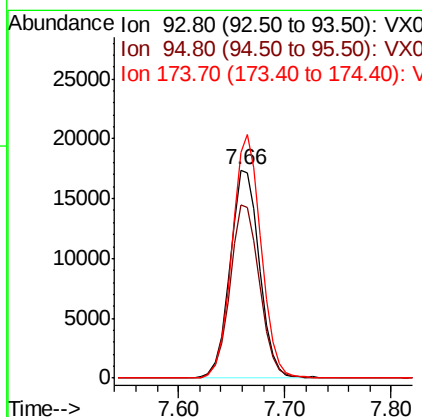
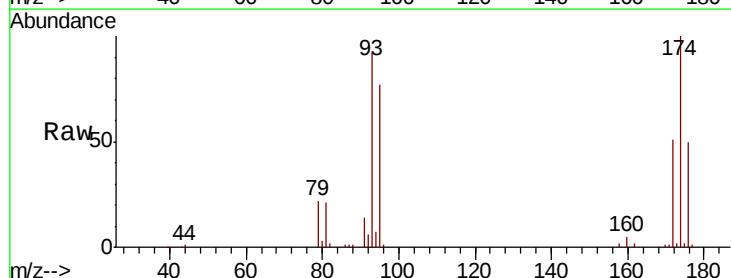
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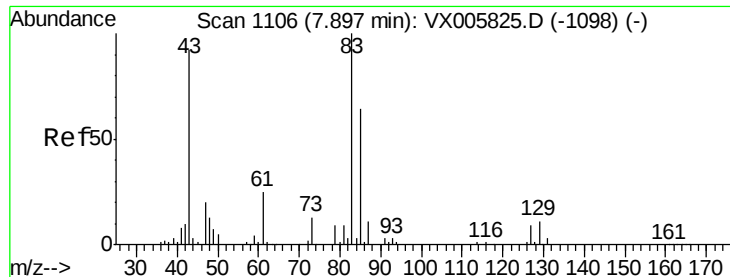
MMDadoda
 11/13/2018 12:19:27 PM



#46
 Dibromomethane
 Concen: 55.175 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion: 93 Resp: 33701
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.4 101.0
 174 115.0 91.5 137.3





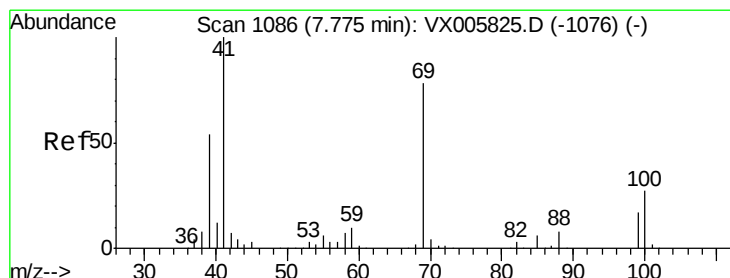
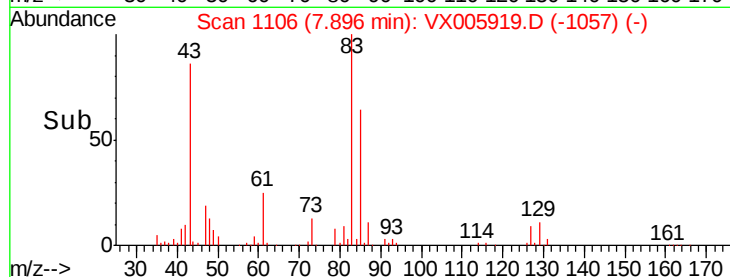
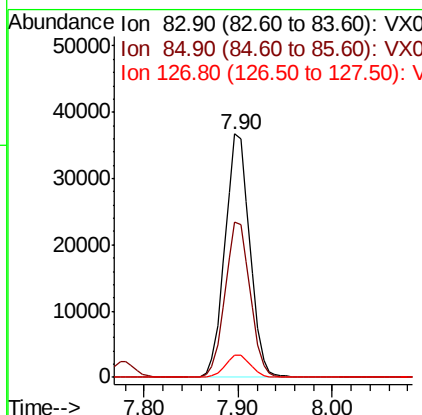
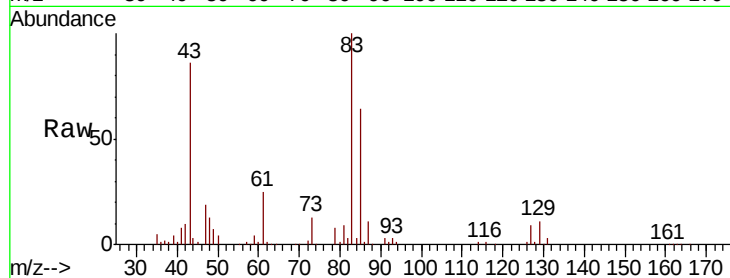
#47
Bromodichloromethane
Concen: 58.101 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.2	75.4
127	9.2	6.9	10.3

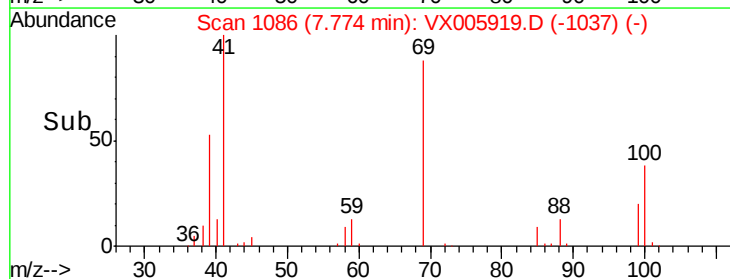
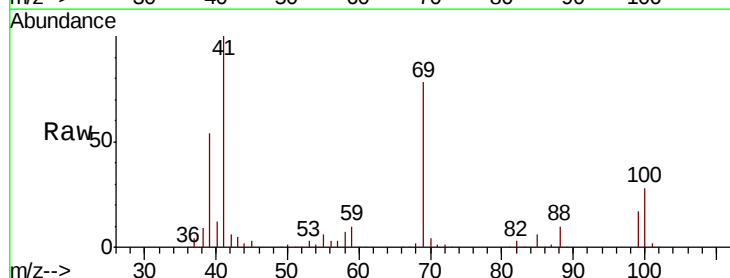
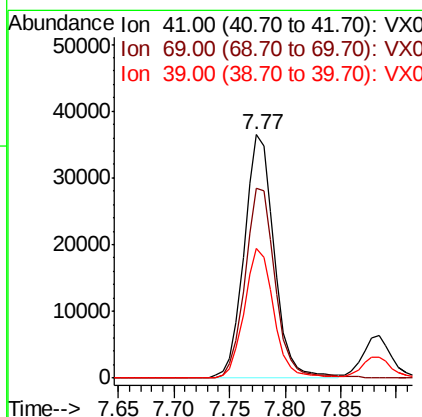
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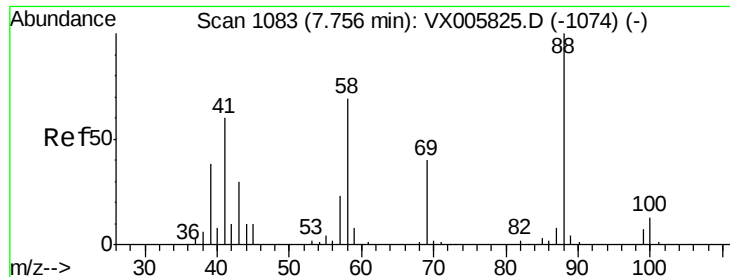
MMDadoda
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#48
Methyl methacrylate
Concen: 58.071 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.8	63.2	94.8
39	52.5	42.2	63.2





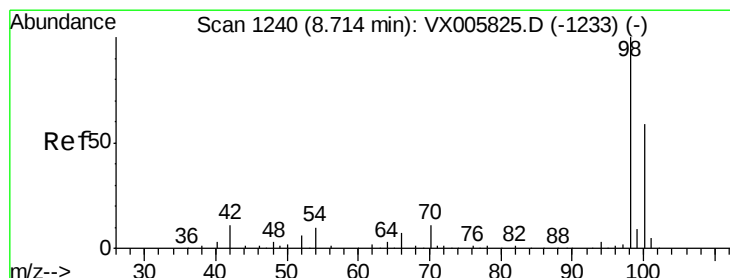
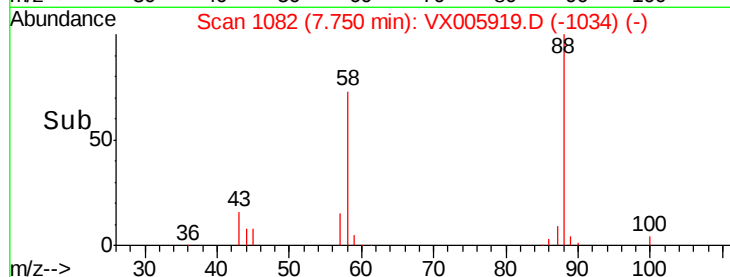
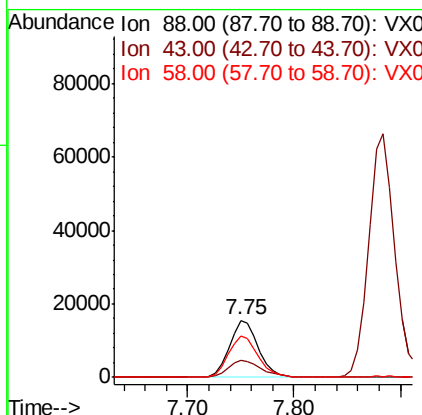
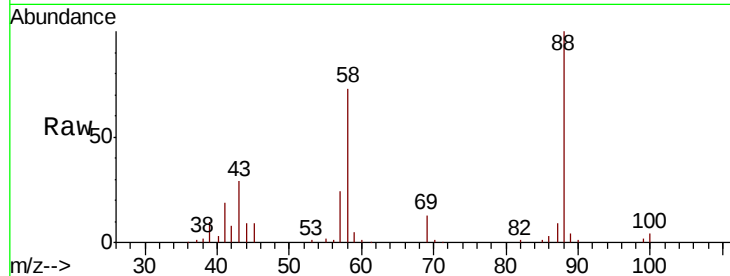
#49
1,4-Dioxane
Concen: 1157.248 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.4	41.0
58	75.1	59.4	89.2

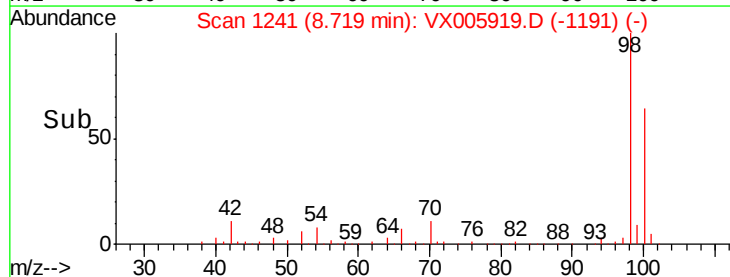
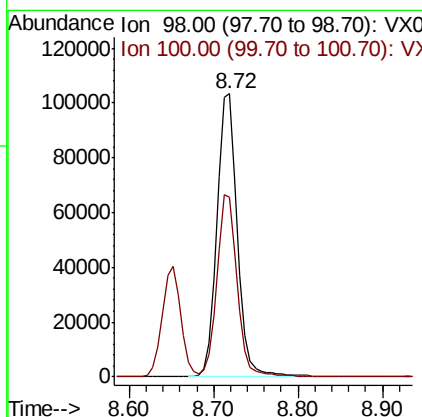
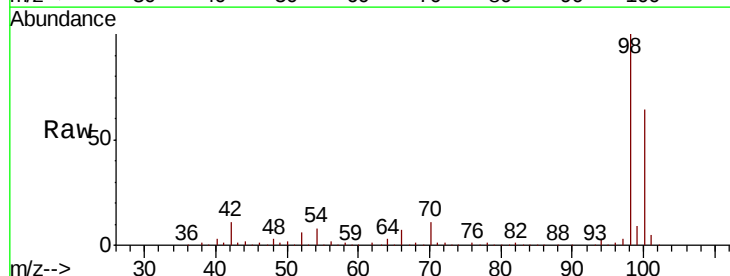
Manual Integrations
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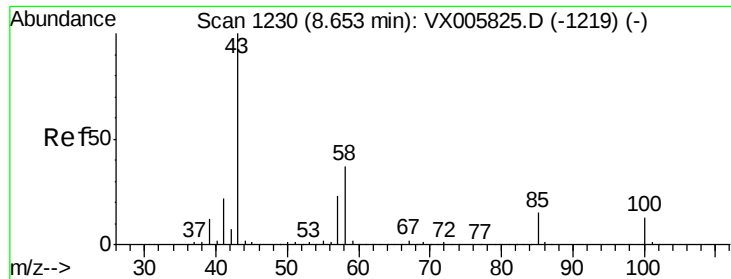
MMDadoda
11/13/2018 12:19:27 PM



#50
Toluene-d8
Concen: 53.698 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 281.178 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 464515

Ion Ratio Lower Upper

43 100

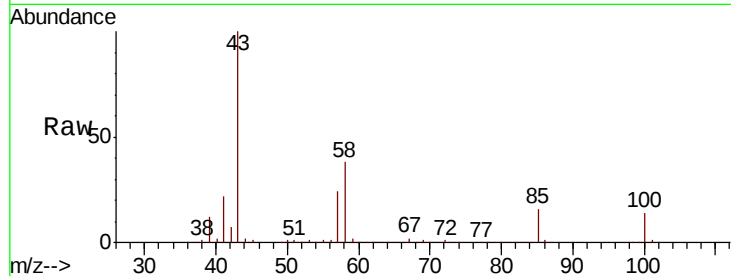
58 37.4 29.7 44.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

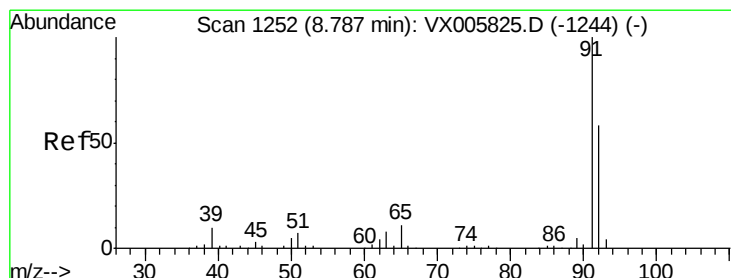
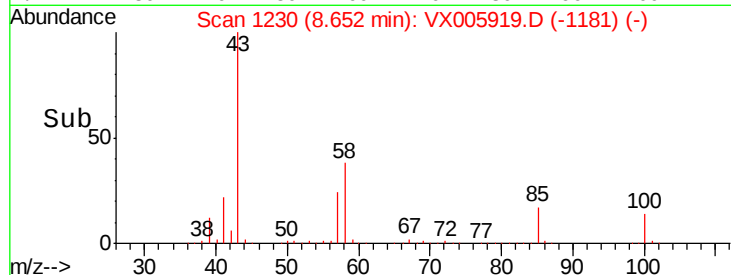
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.185 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005919.D

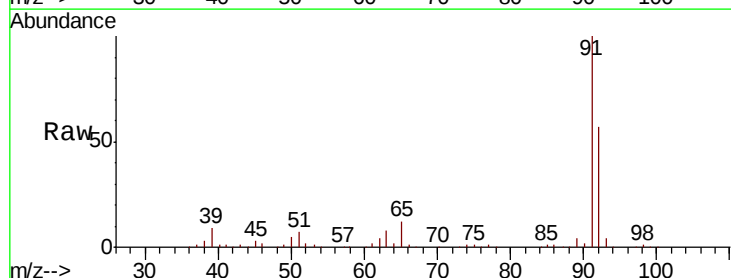
Acq: 12 Nov 2018 23:59

Tgt Ion: 92 Resp: 121446

Ion Ratio Lower Upper

92 100

91 175.8 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

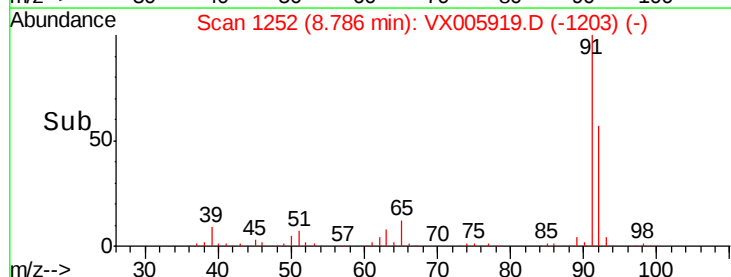
150000

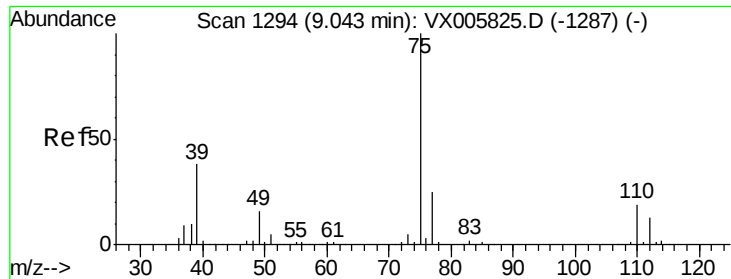
100000

50000

0

Time-->





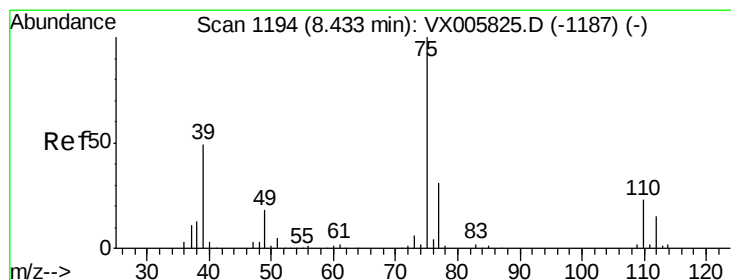
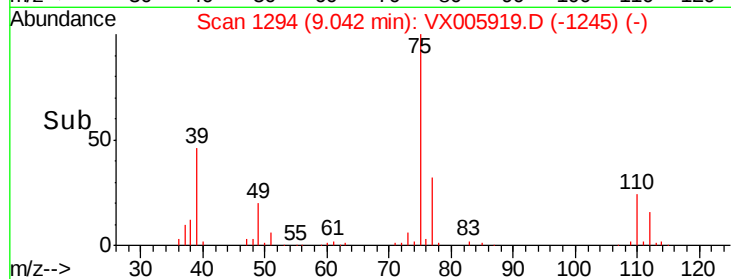
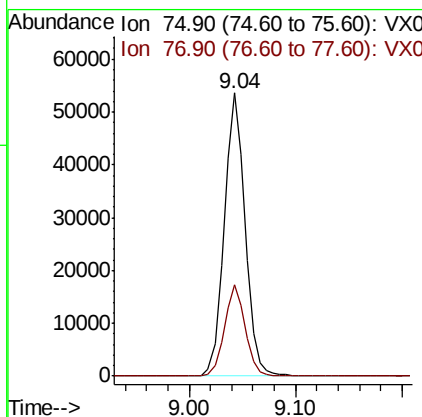
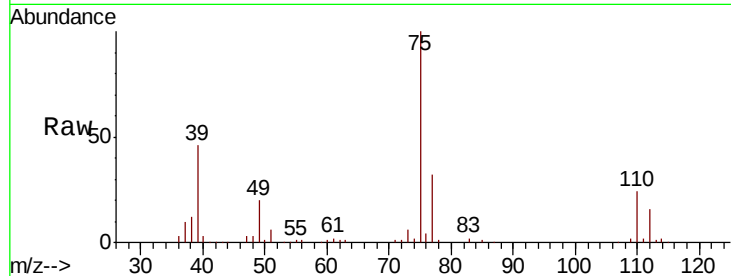
#53
t-1,3-Dichloropropene
Concen: 54.011 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 73575
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2

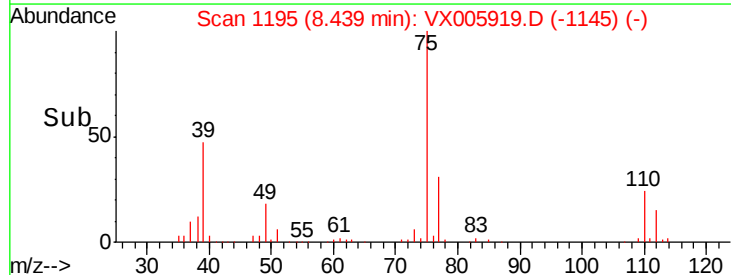
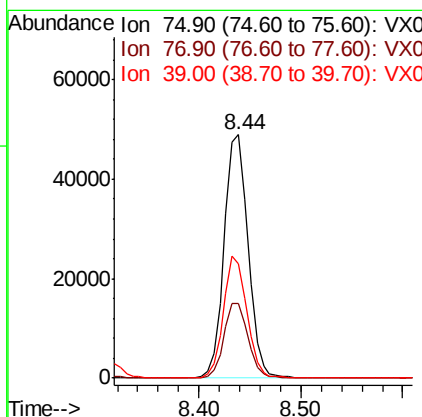
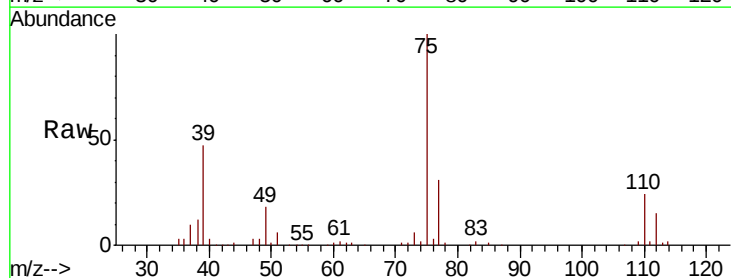
Manual Integrations
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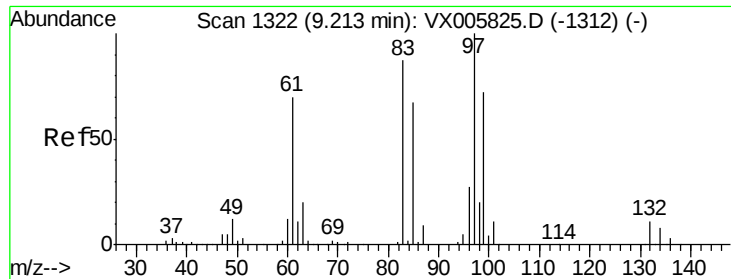
MMDadoda
11/13/2018 12:19:27 PM



#54
cis-1,3-Dichloropropene
Concen: 57.559 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion: 75 Resp: 79918
Ion Ratio Lower Upper
75 100
77 30.8 25.2 37.8
39 47.1 38.2 57.2





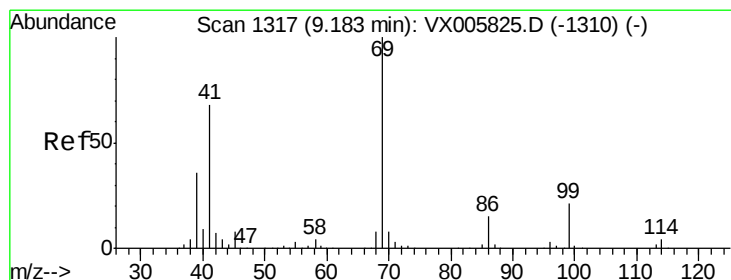
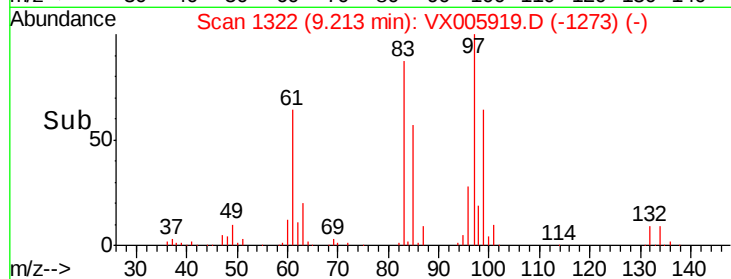
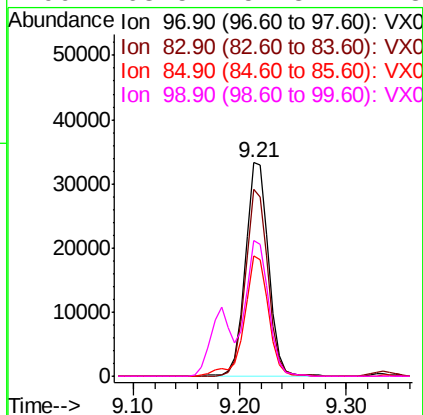
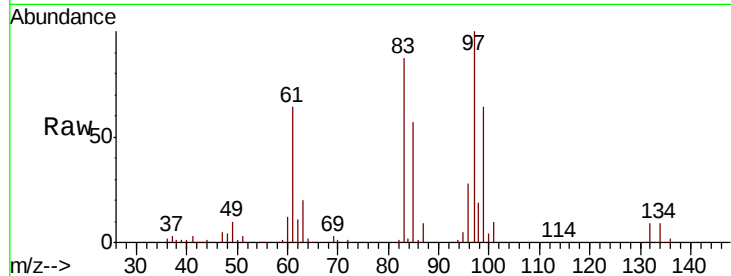
#55
 1,1,2-Trichloroethane
 Concen: 50.907 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	50851
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.7	106.1
85	56.5	45.8	68.6
99	63.5	51.8	77.8

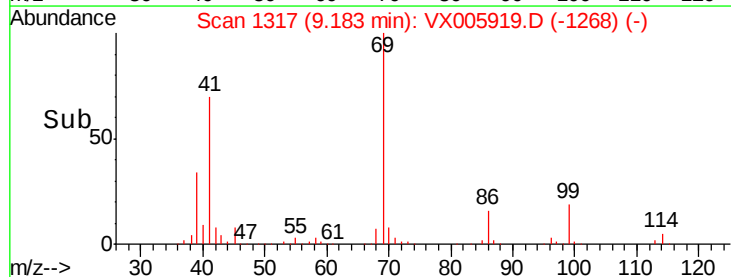
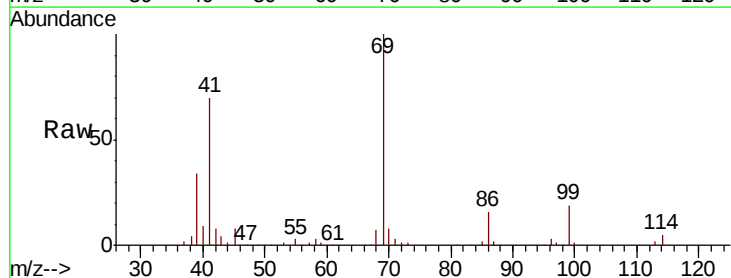
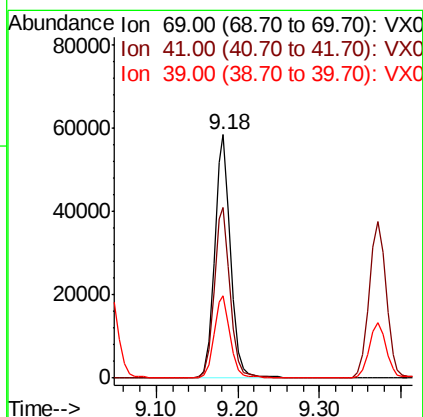
Manual Integrations
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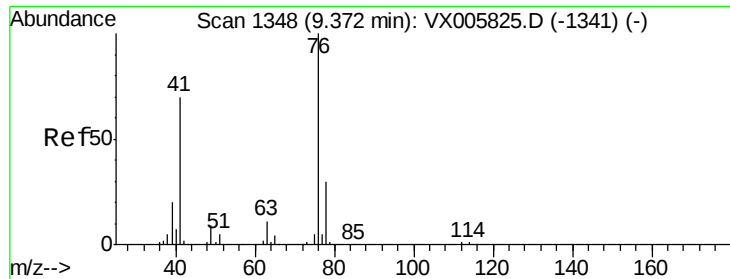
MMDadoda
 11/13/2018 12:19:27 PM



#56
 Ethyl methacrylate
 Concen: 53.876 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion:	69	Resp:	80523
Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.0	85.6
39	34.6	28.3	42.5





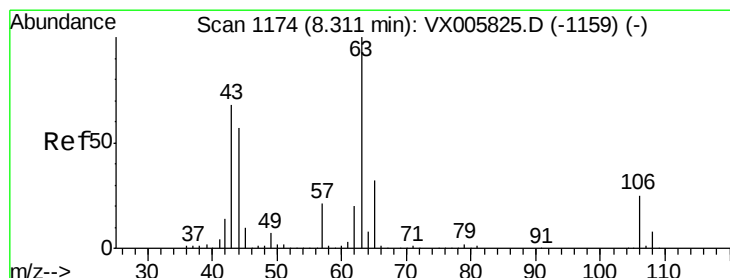
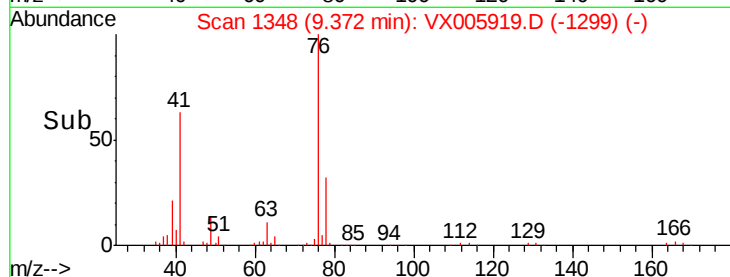
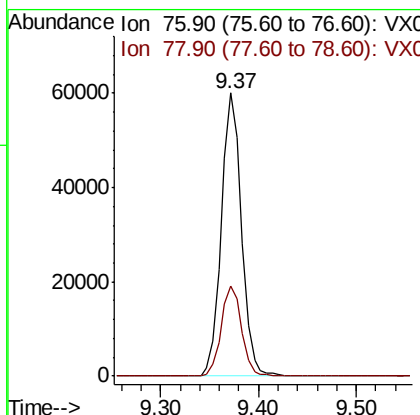
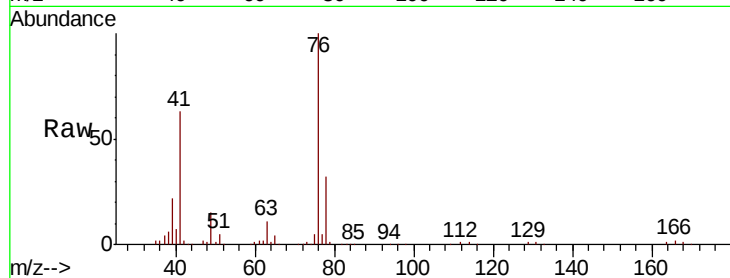
#57
 1,3-Dichloropropane
 Concen: 51.078 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.3	37.9

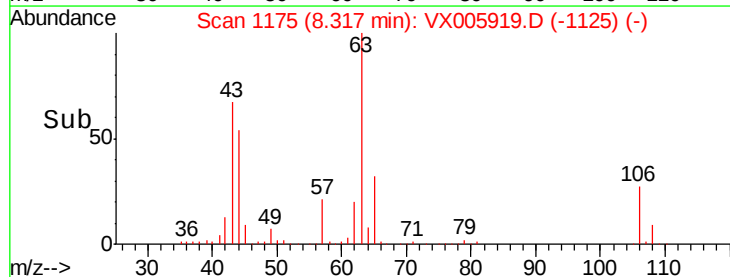
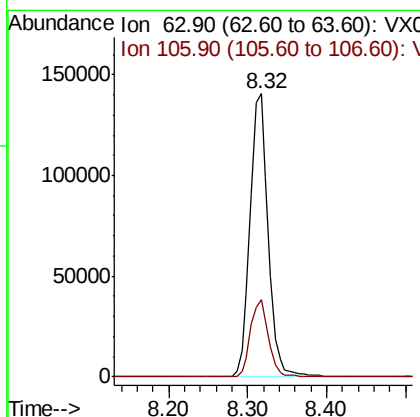
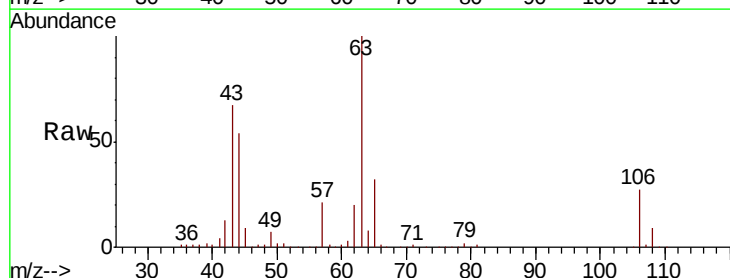
Manual Integrations
 APPROVED

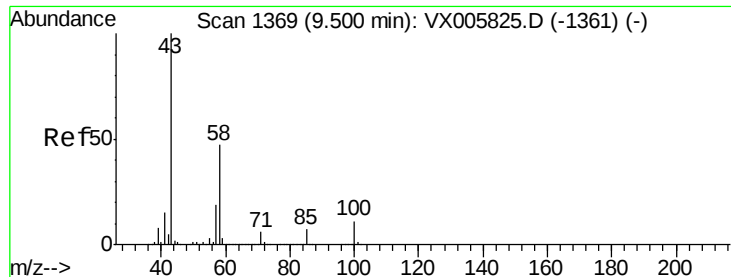
MMDadoda
 11/13/2018 12:19:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.533 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.3	31.9





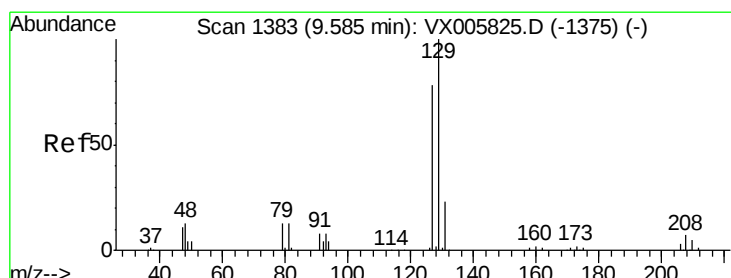
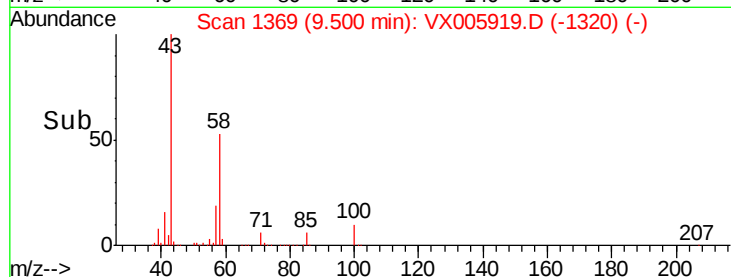
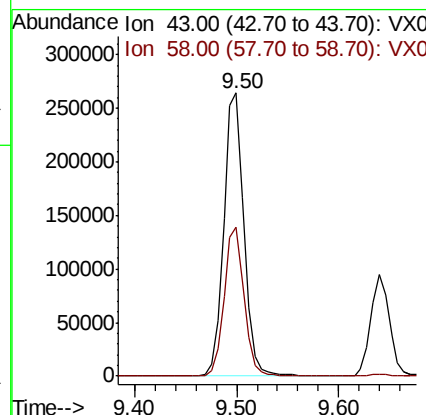
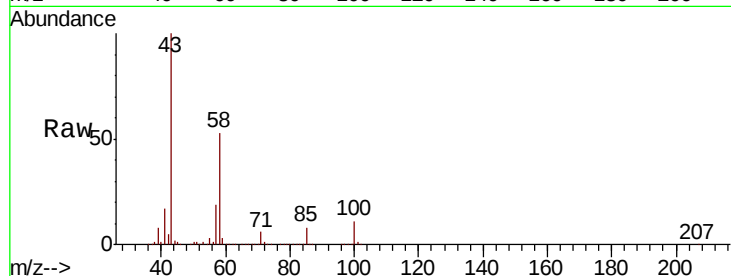
#59
2-Hexanone
Concen: 251.849 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	25.9	77.8

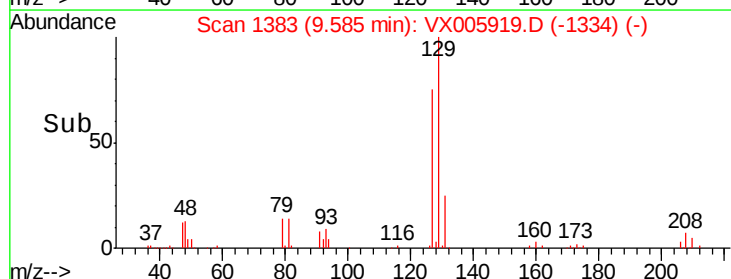
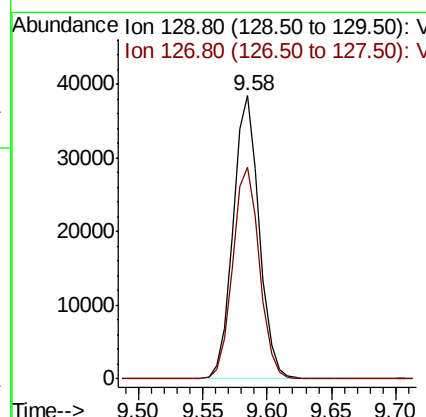
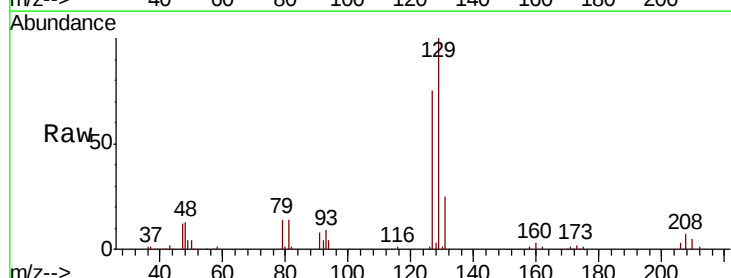
Manual Integrations
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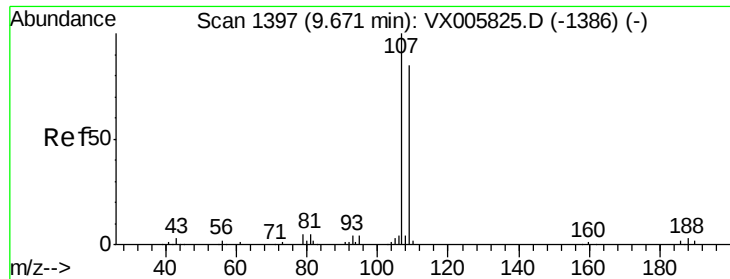
MMDadoda
11/13/2018 12:19:27 PM



#60
Dibromochloromethane
Concen: 50.591 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.9	116.7





#61

1,2-Dibromoethane

Concen: 48.357 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 53413

Ion Ratio Lower Upper

107 100

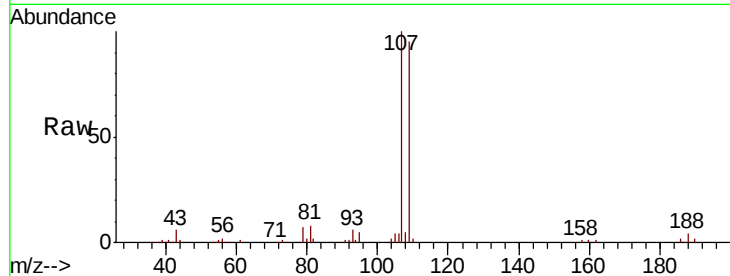
109 94.1 75.7 113.5

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

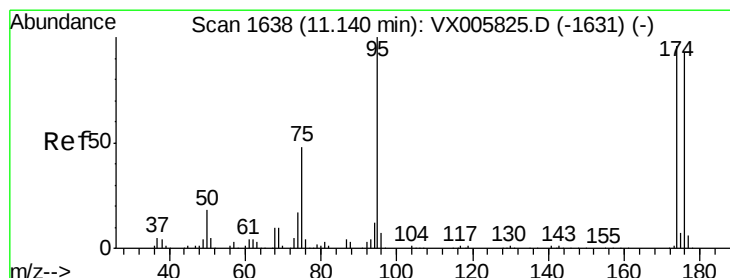
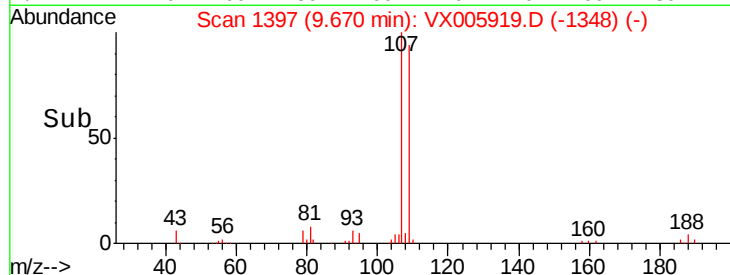
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 57.563 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

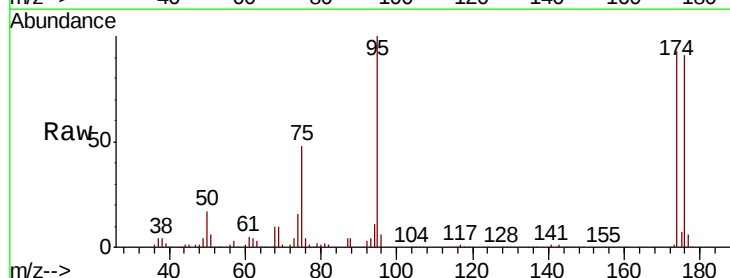
Tgt Ion: 95 Resp: 66780

Ion Ratio Lower Upper

95 100

174 90.8 0.0 184.4

176 88.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

60000

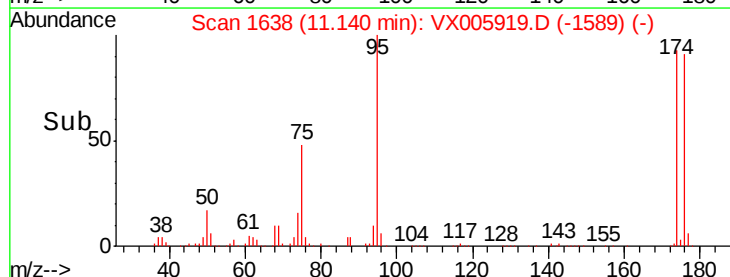
40000

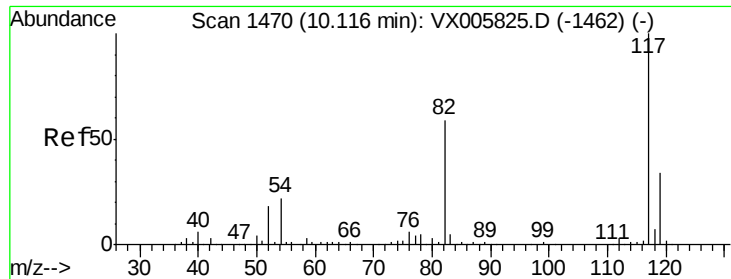
20000

0

11.10 11.20

Time-->





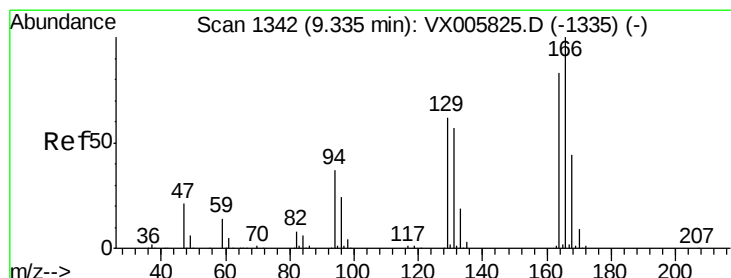
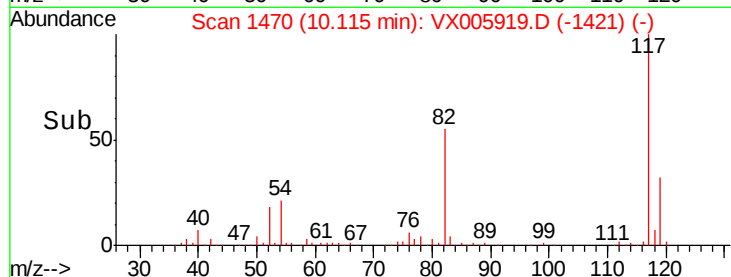
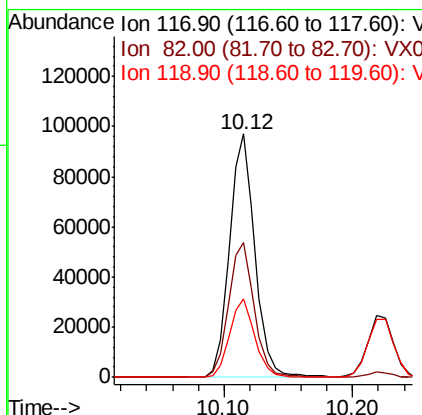
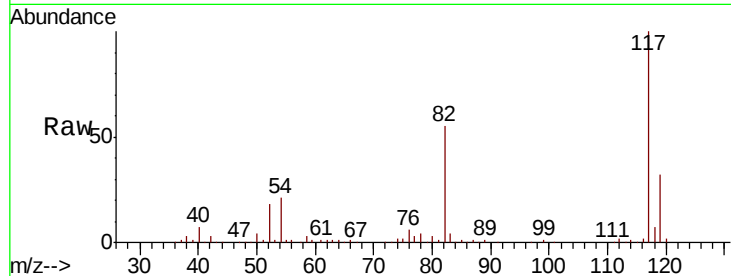
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.1	66.1
119	32.4	26.2	39.2

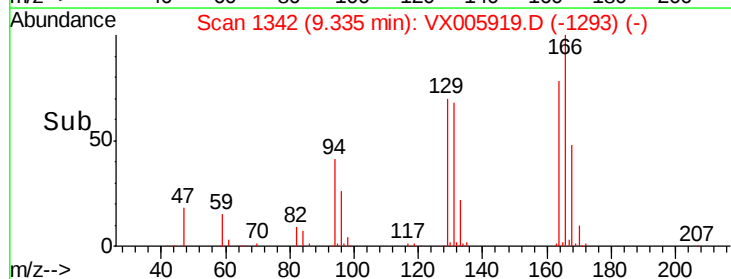
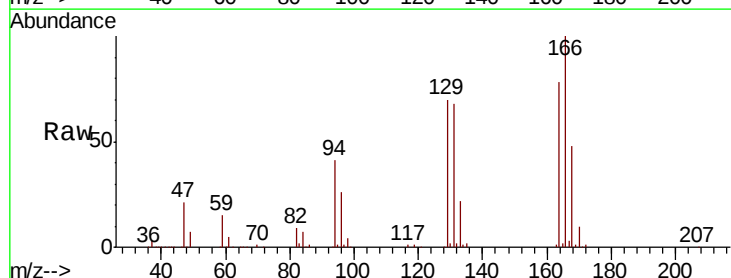
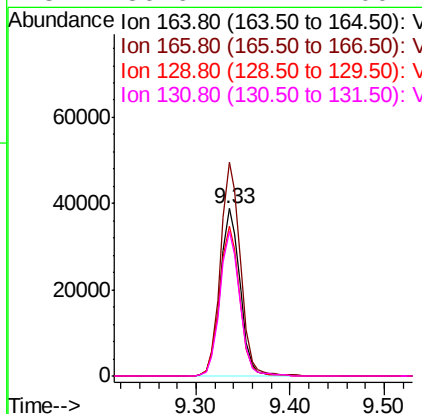
Manual Integrations
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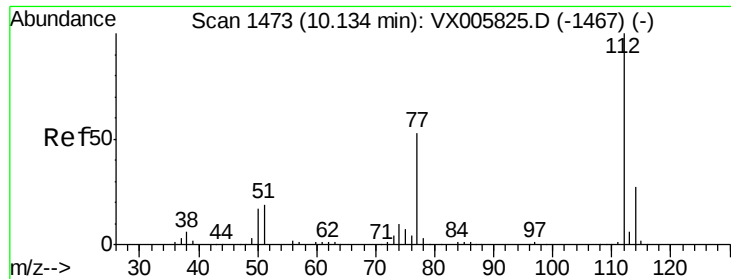
MMDadoda
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#64
Tetrachloroethene
Concen: 50.041 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.9	152.9
129	89.7	72.6	109.0
131	86.6	71.1	106.7





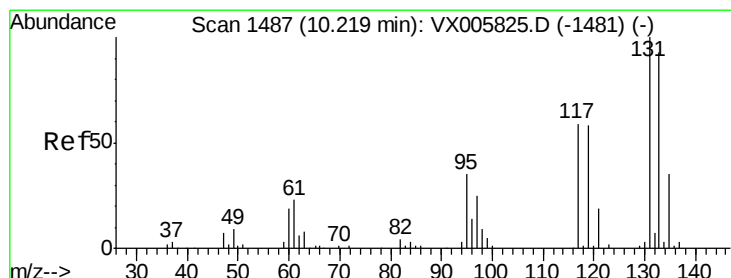
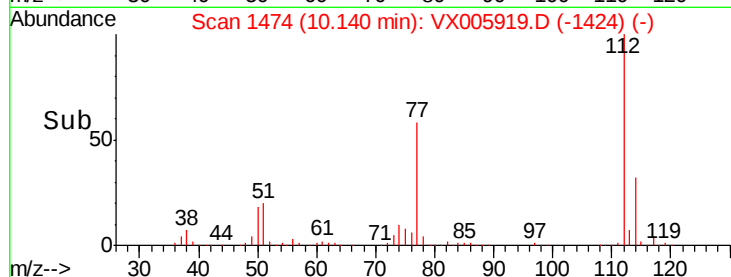
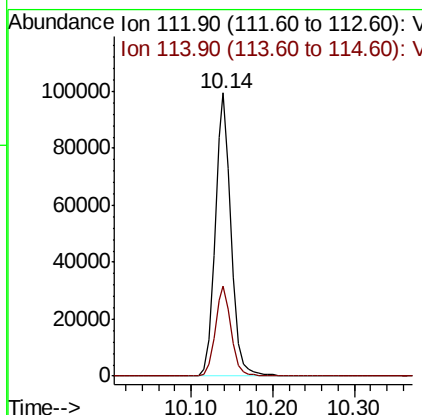
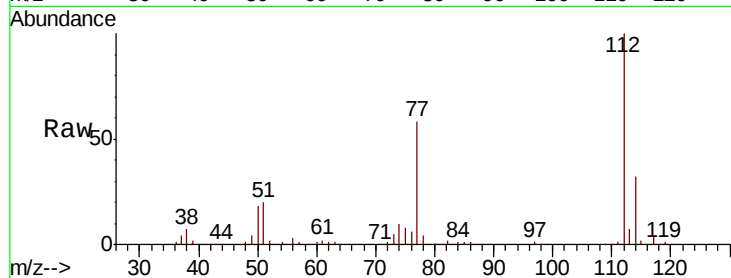
#65
Chlorobenzene
Concen: 50.905 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 136231
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6

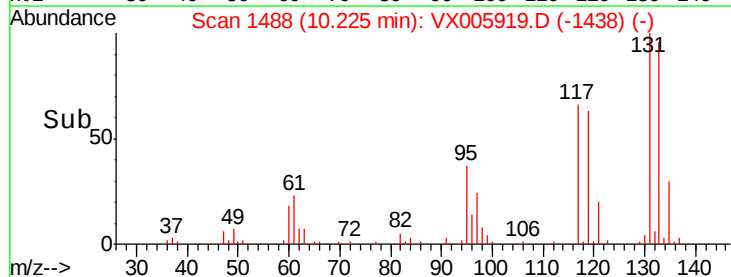
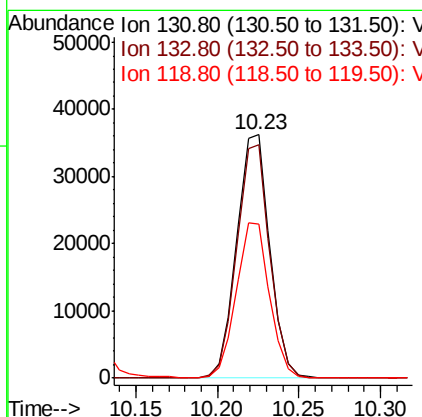
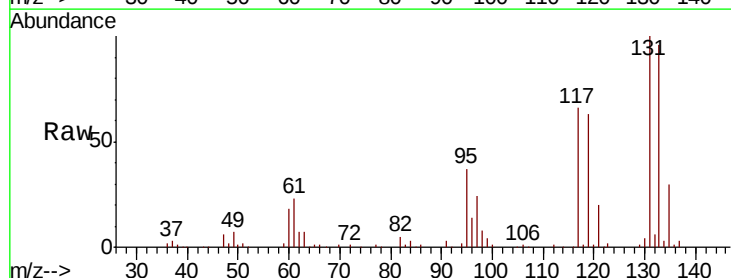
Manual Integrations
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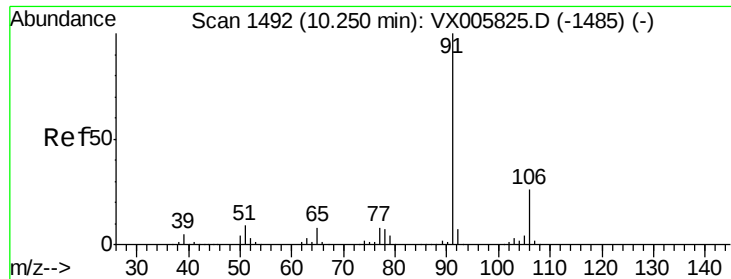
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.937 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion:131 Resp: 51113
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.5
119 64.2 31.8 95.3





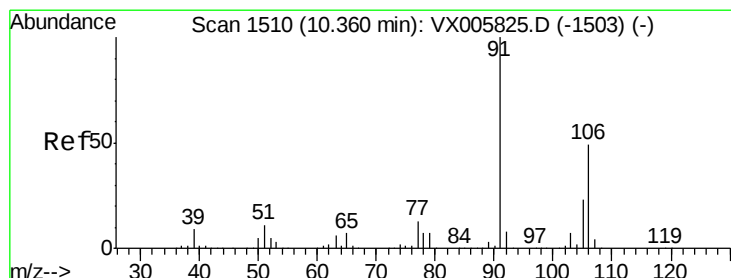
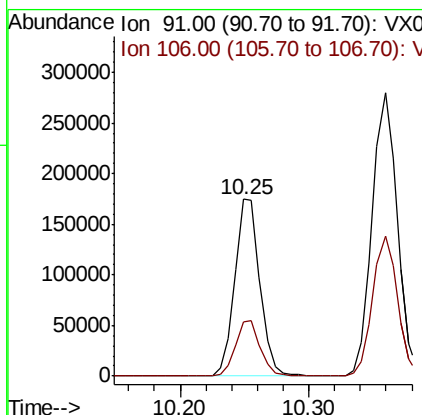
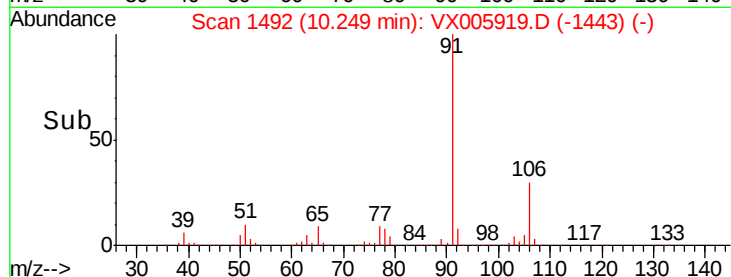
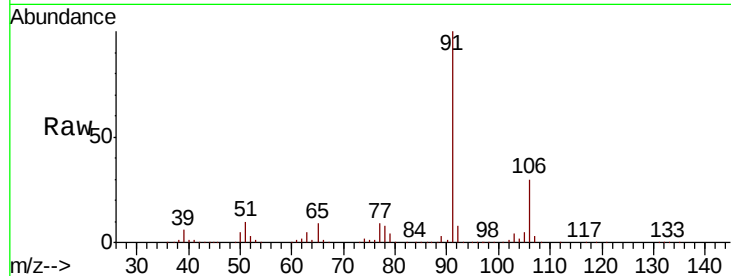
#67
Ethyl Benzene
Concen: 55.581 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 238519
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

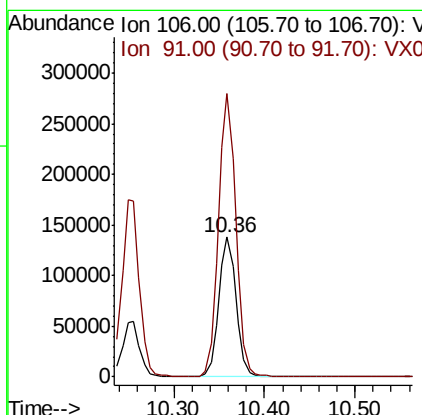
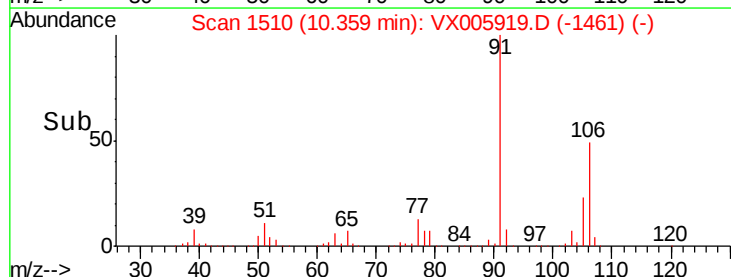
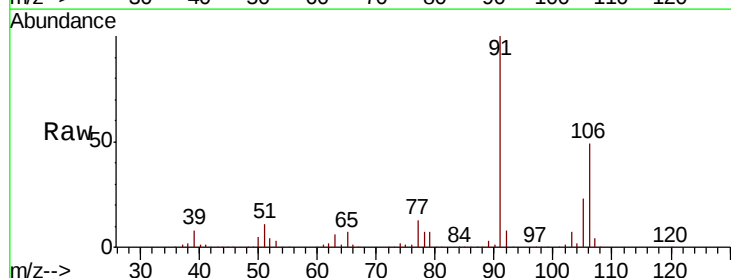
Manual Integrations
APPROVED

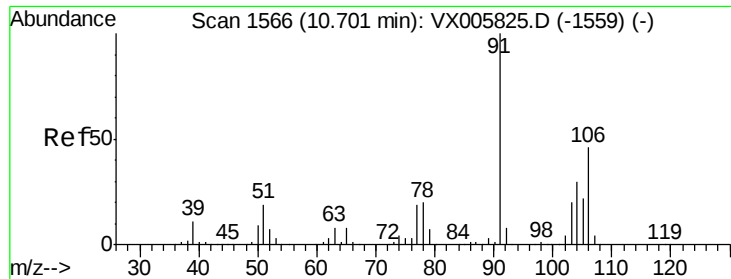
MMDadoda
11/13/2018 12:19:27 PM



#68
m/p-Xylenes
Concen: 113.018 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion: 106 Resp: 184997
Ion Ratio Lower Upper
106 100
91 204.1 164.2 246.4





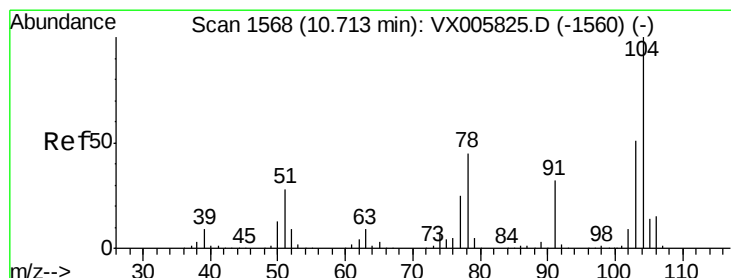
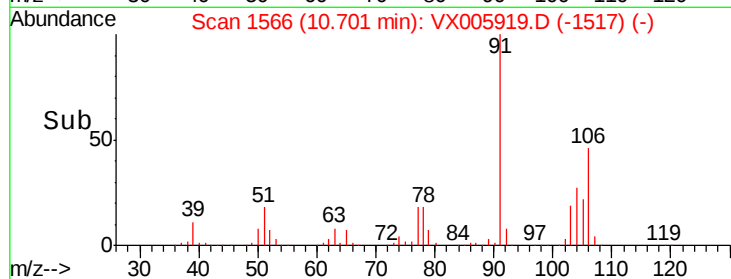
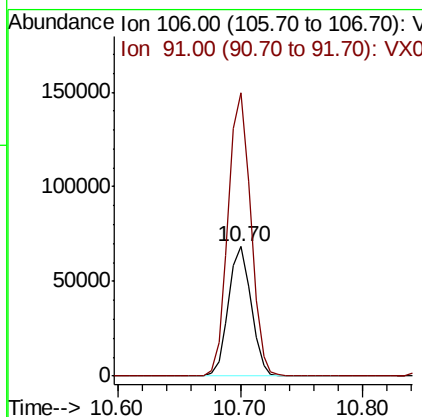
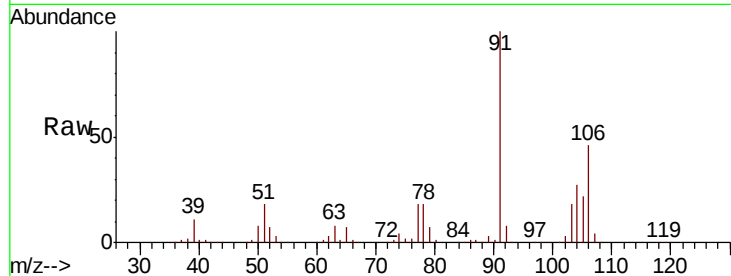
#69
o-Xylene
Concen: 59.693 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 87617
Ion Ratio Lower Upper
106 100
91 218.8 108.5 325.5

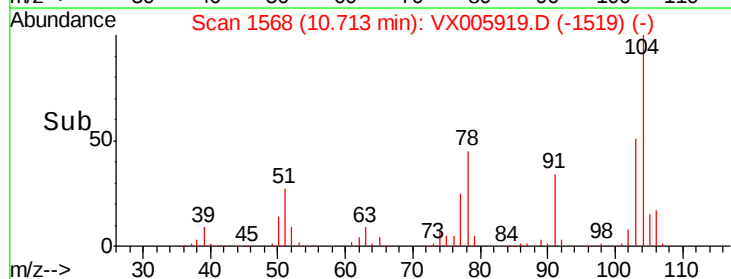
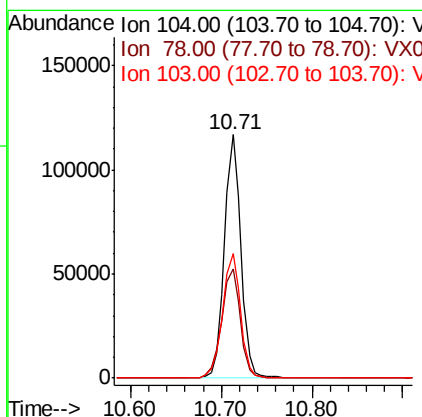
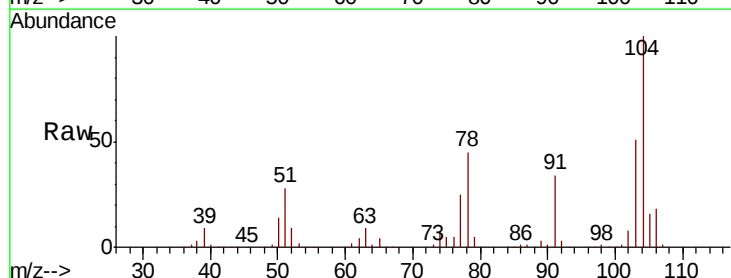
Manual Integrations
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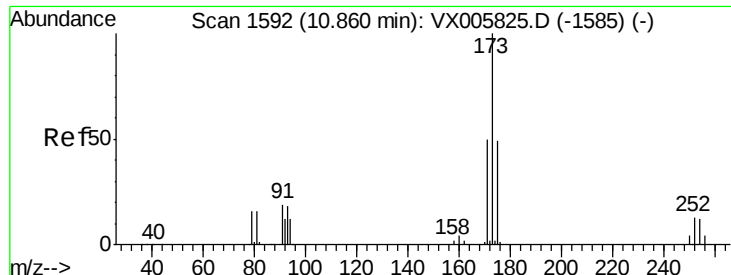
MMDadoda
11/13/2018 12:19:27 PM



#70
Styrene
Concen: 61.224 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion:104 Resp: 148244
Ion Ratio Lower Upper
104 100
78 50.9 40.2 60.4
103 56.0 44.9 67.3





#71

Bromoform

Concen: 58.854 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 45903

Ion Ratio Lower Upper

173 100

175 48.6 24.8 74.3

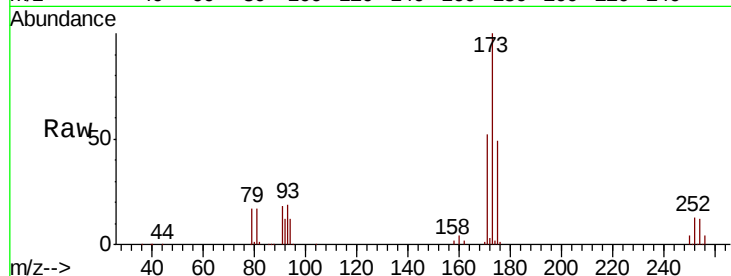
254 0.1 0.2 0.2#

Manual Integrations

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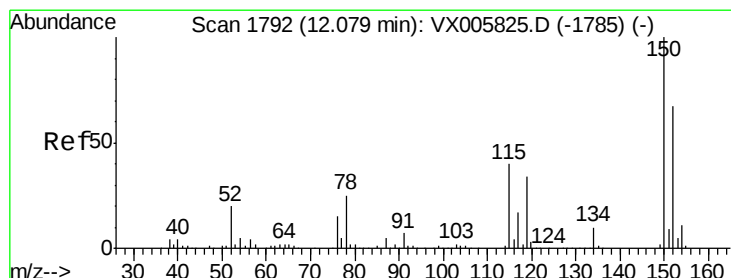
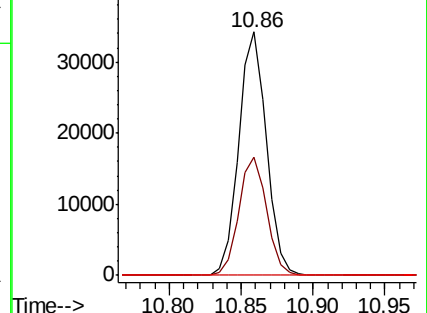
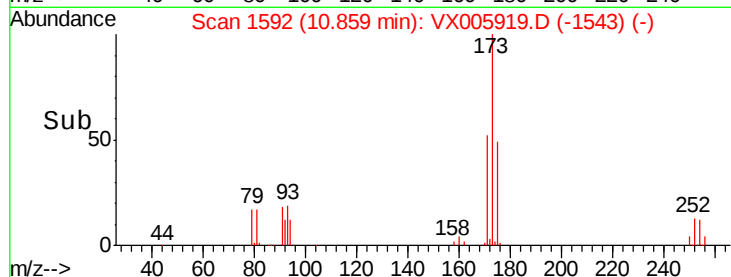
11/13/2018 12:19:27 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

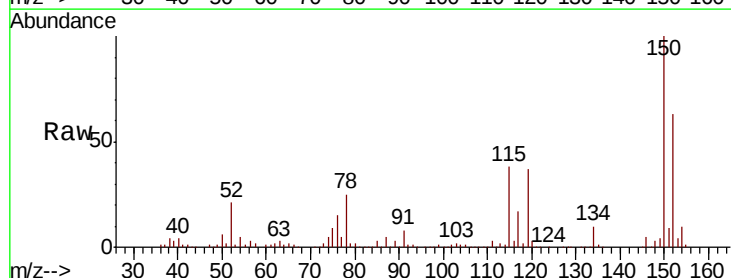
Tgt Ion:152 Resp: 76034

Ion Ratio Lower Upper

152 100

115 77.6 39.4 118.1

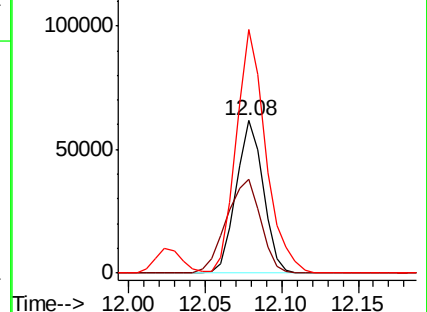
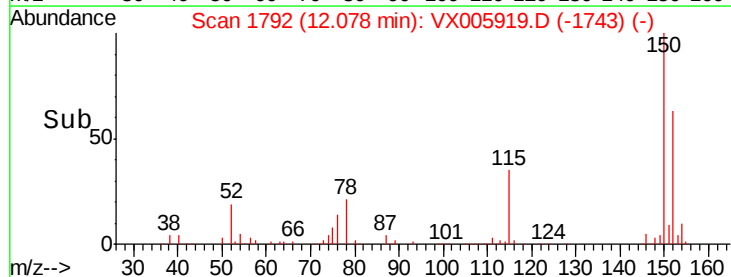
150 173.6 0.0 346.4

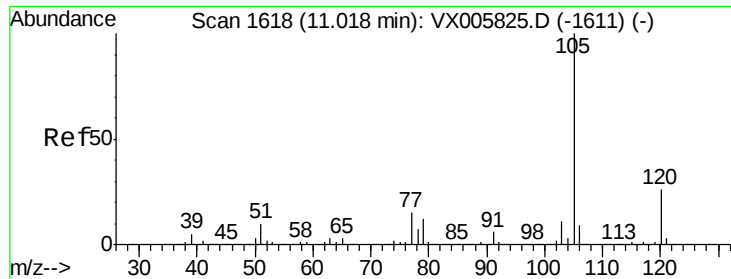


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





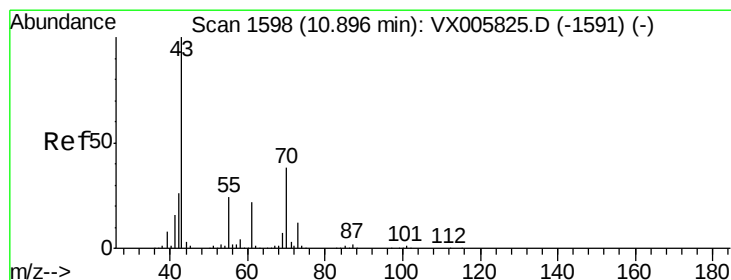
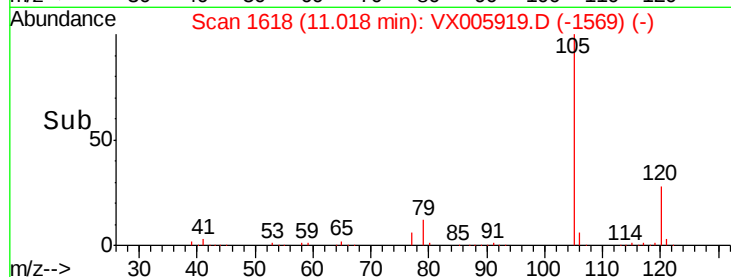
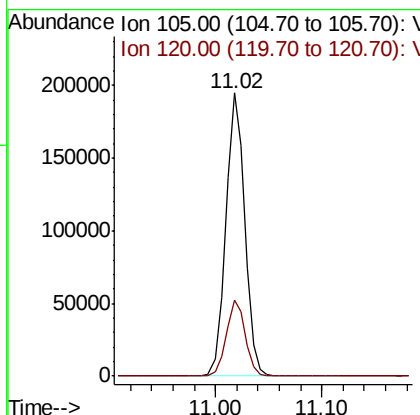
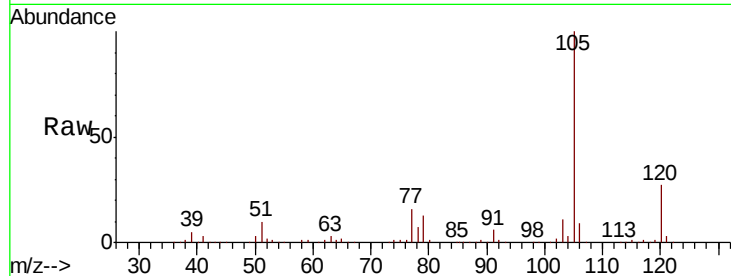
#73
Isopropylbenzene
Concen: 54.972 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 241707
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.3

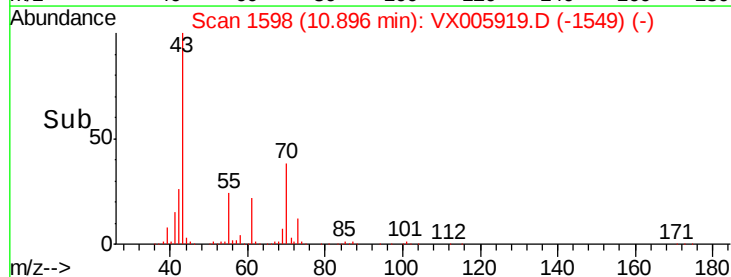
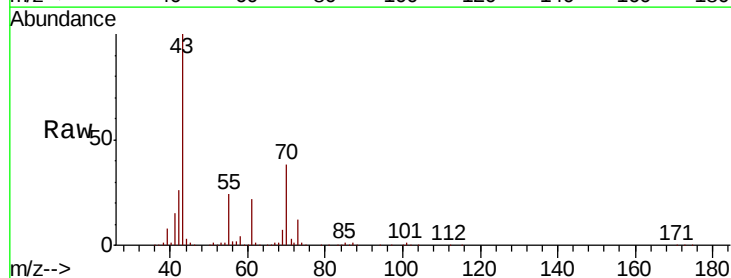
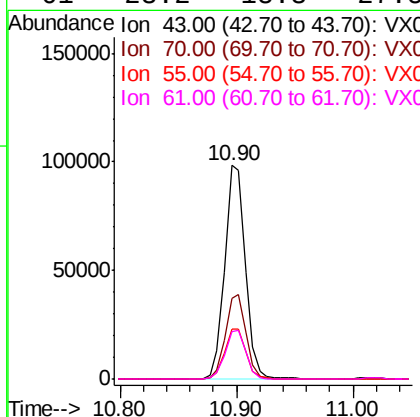
Manual Integrations
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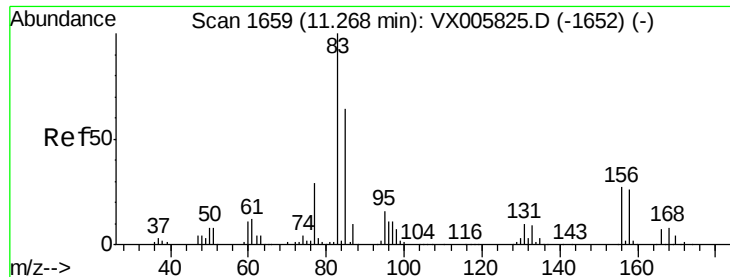
MMDadoda
11/13/2018 12:19:27 PM



#74
N-ethyl acetate
Concen: 48.895 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion: 43 Resp: 120558
Ion Ratio Lower Upper
43 100
70 39.5 31.6 47.4
55 24.5 19.7 29.5
61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.358 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

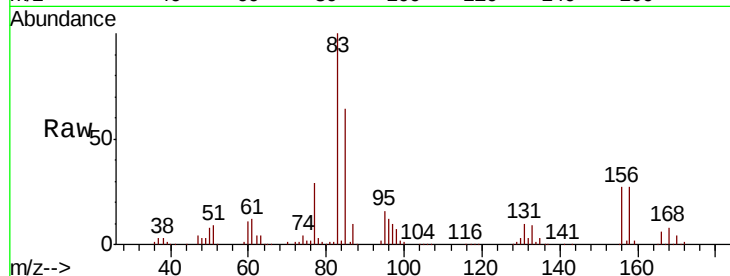
ClientSampleId :

VSTDCCC050

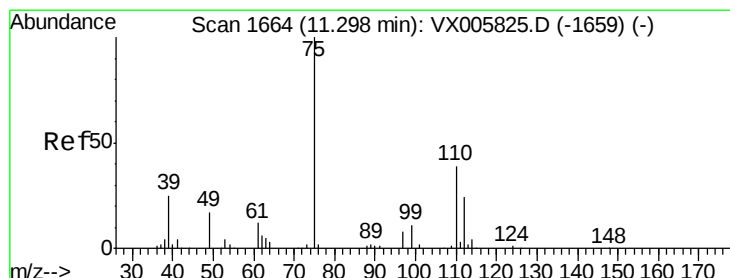
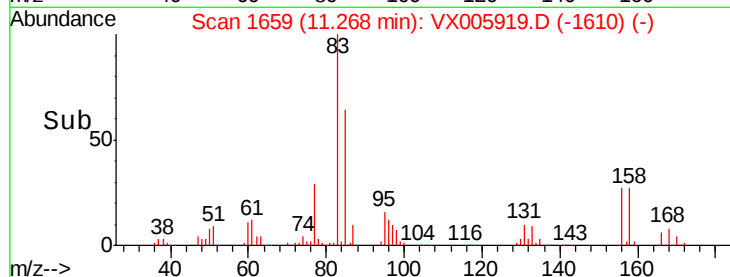
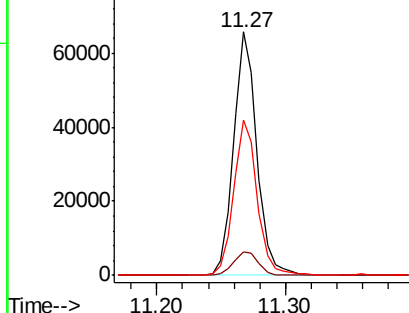
Tot Ion:	83	Resp:	82886
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.4	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.816 ug/l m

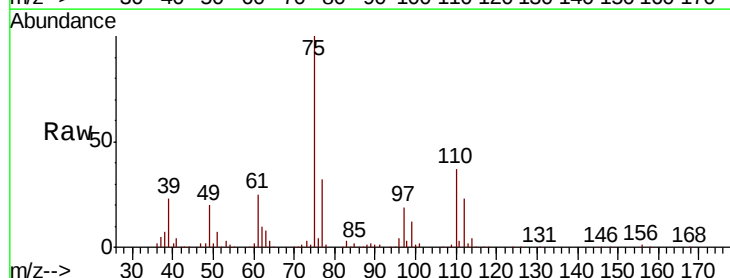
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

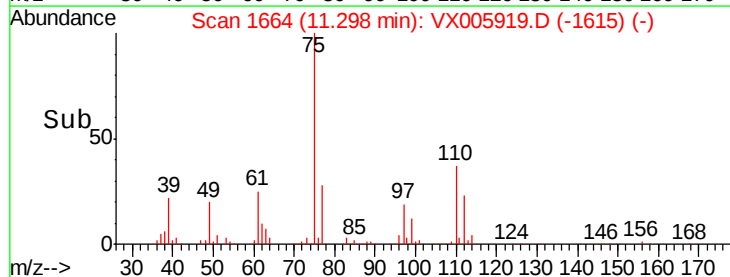
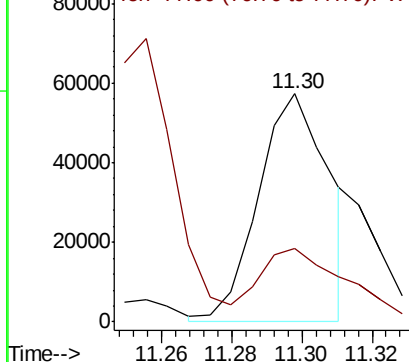
Lab File: VX005919.D

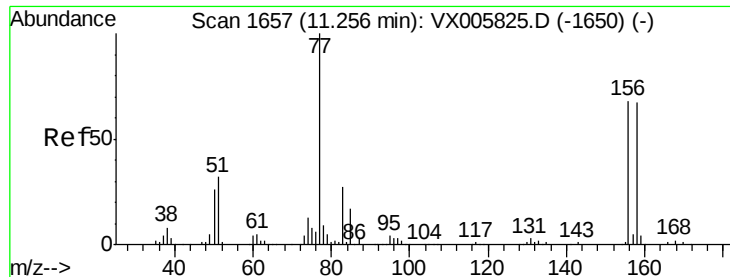
Acq: 12 Nov 2018 23:59

Tgt Ion:	75	Resp:	80223
Ion Ratio	Lower	Upper	
75	100		
77	39.9	20.5	61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 51.459 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 63774

Ion Ratio Lower Upper

156 100

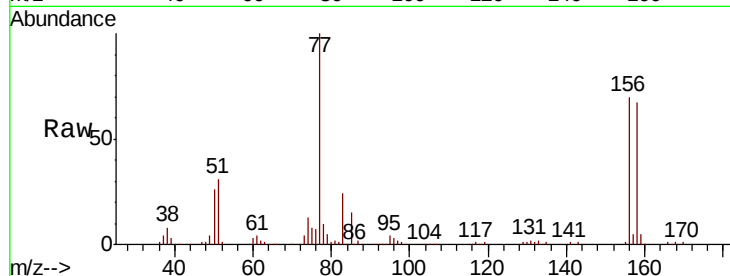
77 149.0 74.8 224.4

158 97.4 49.1 147.3

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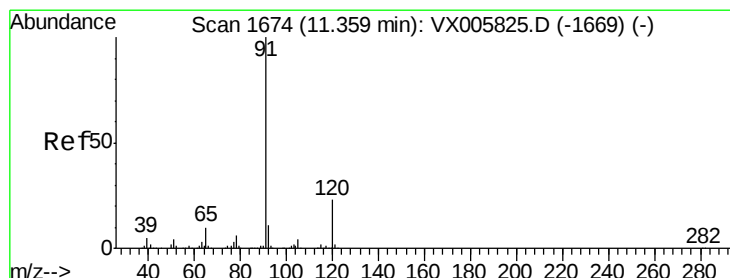
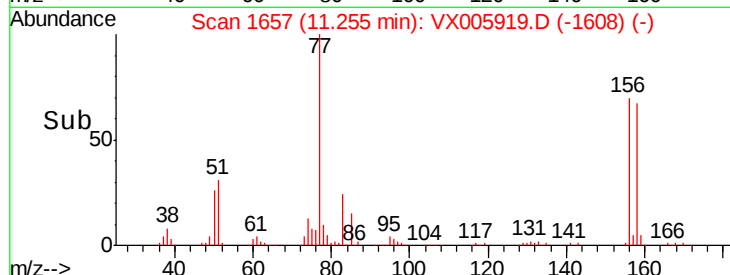
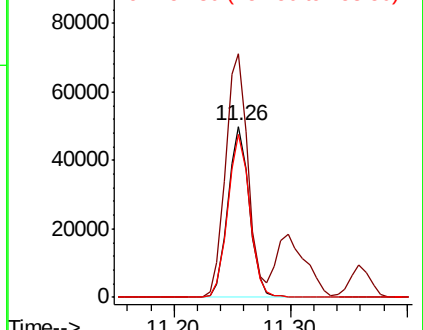
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.082 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005919.D

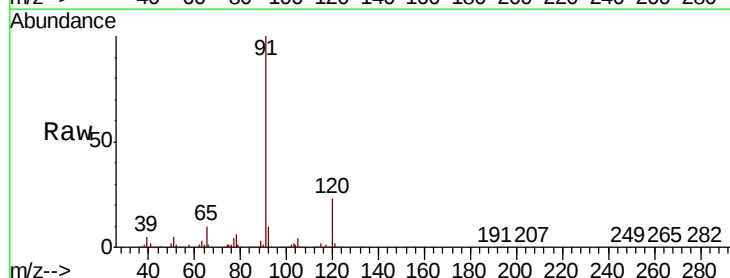
Acq: 12 Nov 2018 23:59

Tgt Ion: 91 Resp: 280249

Ion Ratio Lower Upper

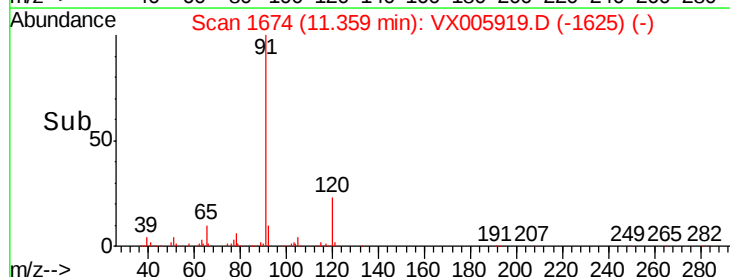
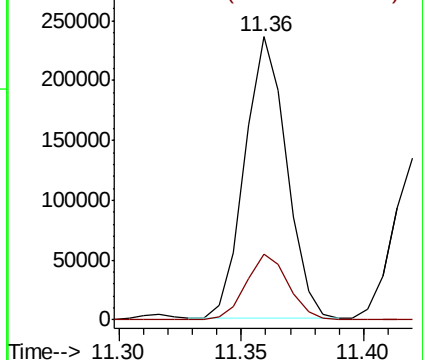
91 100

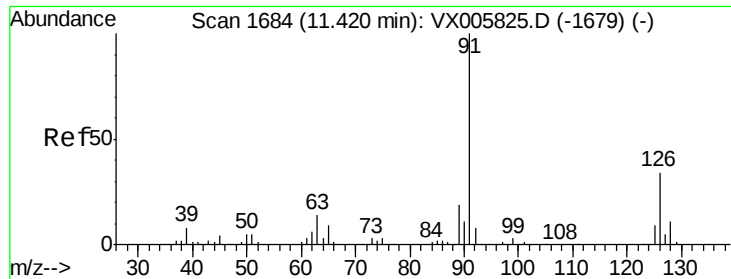
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.106 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 166336

Ion Ratio Lower Upper

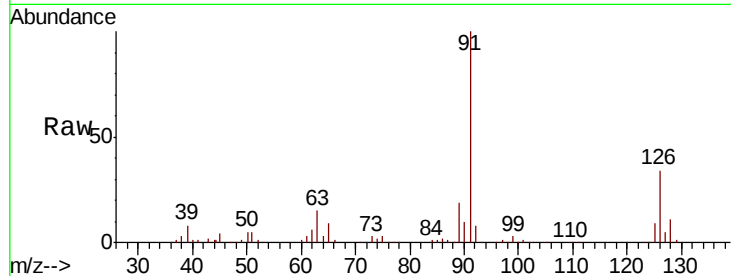
91 100

126 34.9 17.3 52.0

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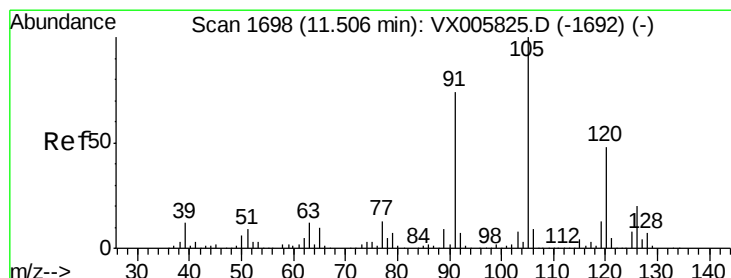
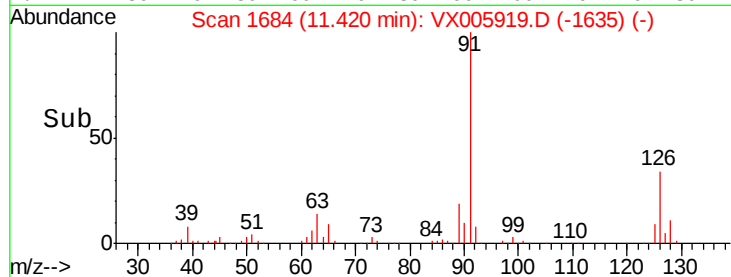
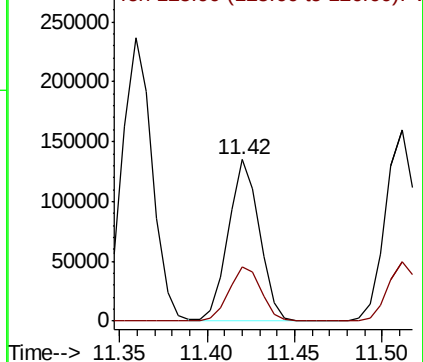
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 55.616 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005919.D

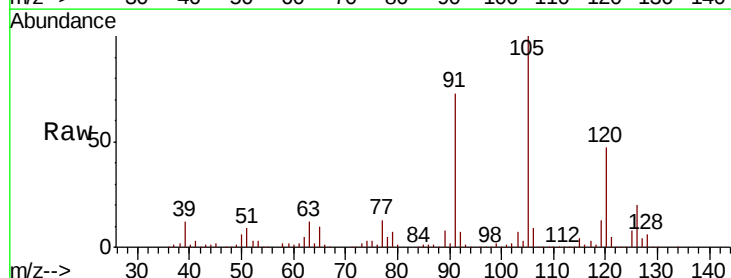
Acq: 12 Nov 2018 23:59

Tgt Ion: 105 Resp: 207811

Ion Ratio Lower Upper

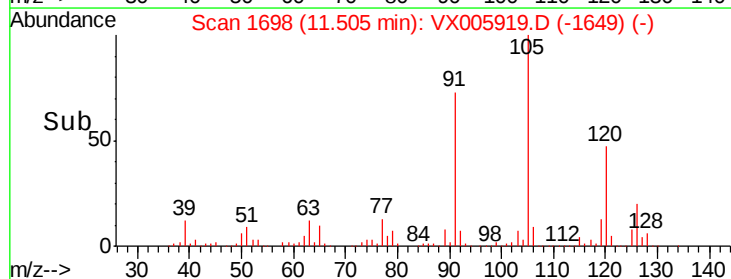
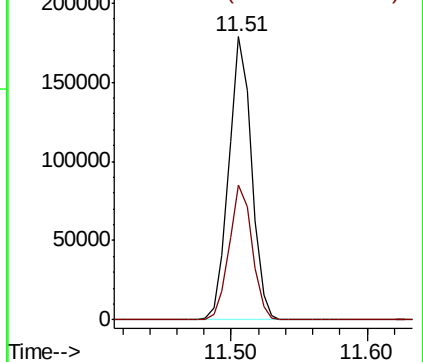
105 100

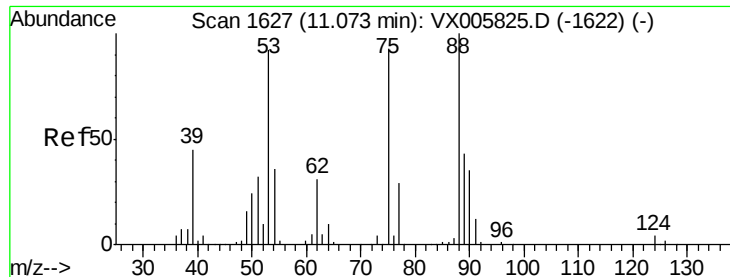
120 48.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.421 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 24493

Ion Ratio Lower Upper

75 100

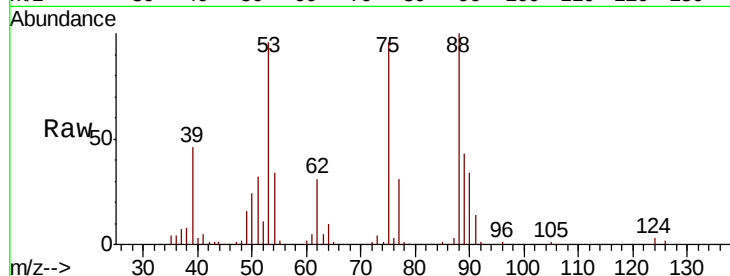
53 99.2 80.2 120.2

89 45.8 39.8 59.8

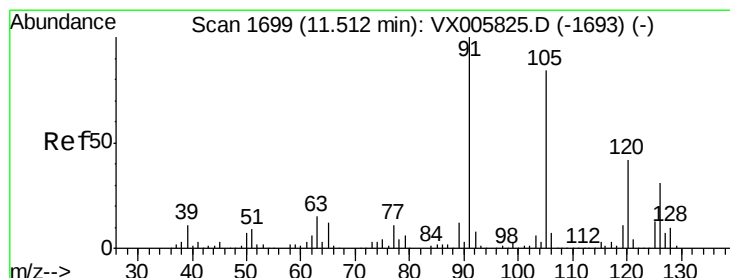
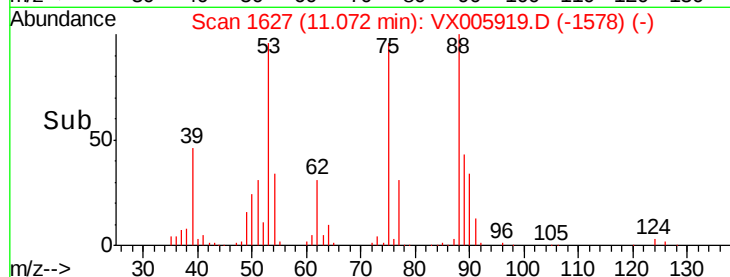
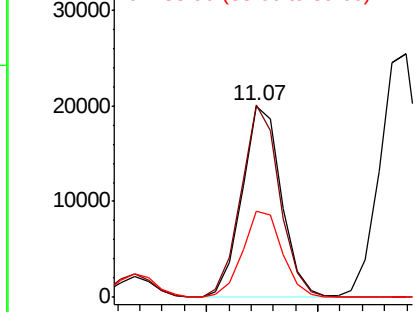
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 53.487 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005919.D

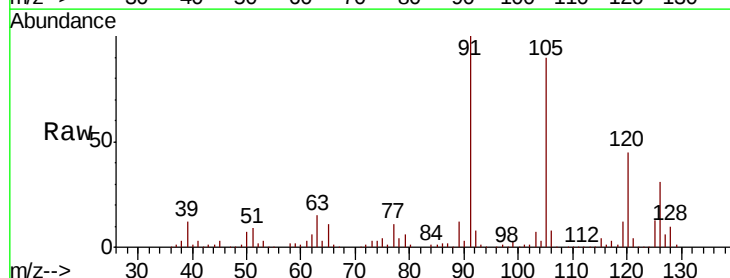
Acq: 12 Nov 2018 23:59

Tgt Ion: 91 Resp: 197438

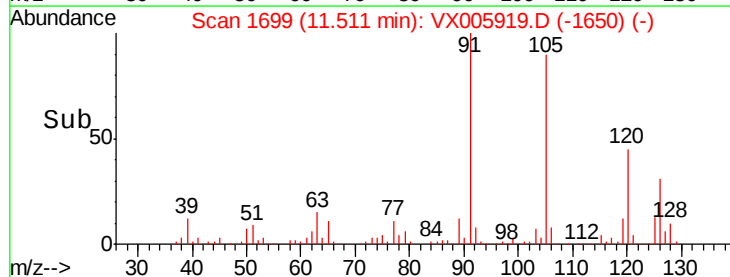
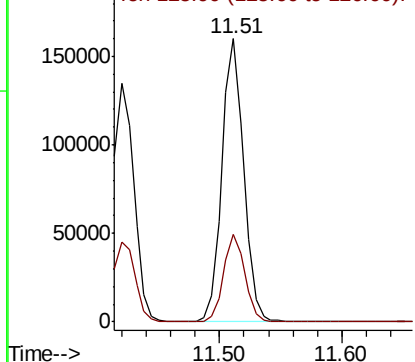
Ion Ratio Lower Upper

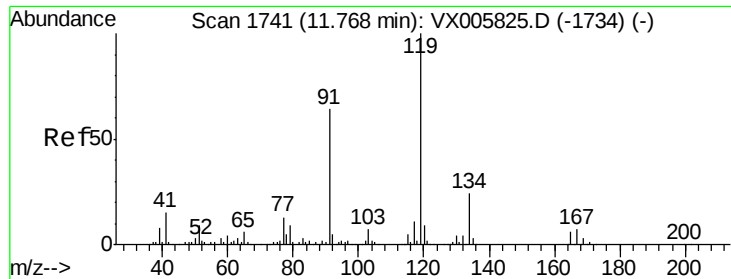
91 100

126 30.3 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 53.580 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Instrument :

MSVOA_X

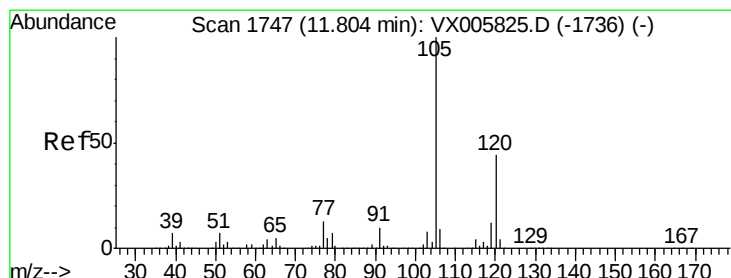
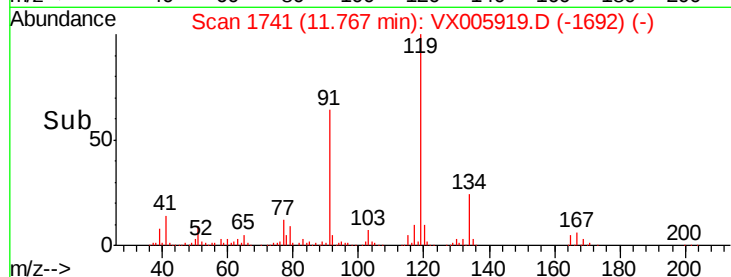
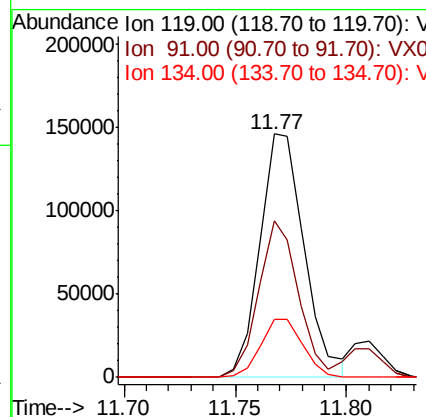
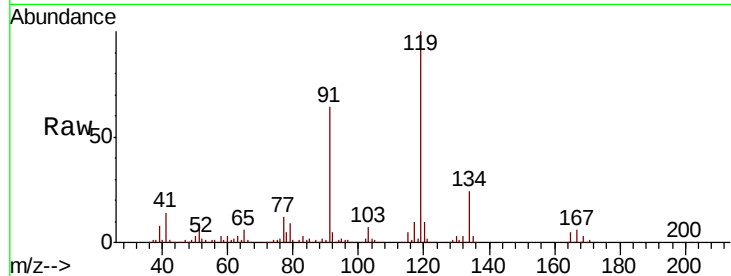
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		202537		
91	57.7	28.5	85.5		
134	22.8	11.3	33.8		

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.853 ug/l

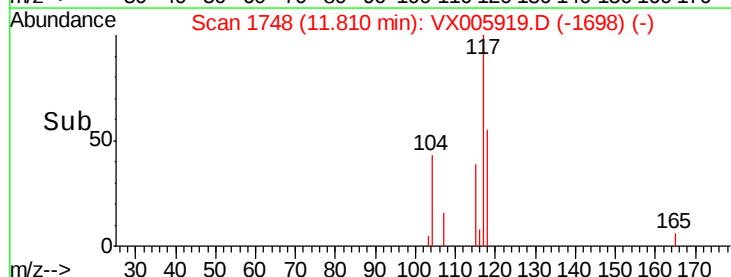
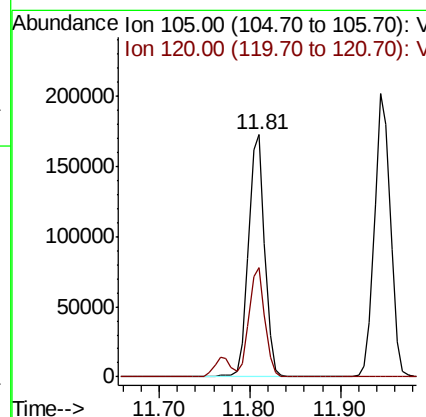
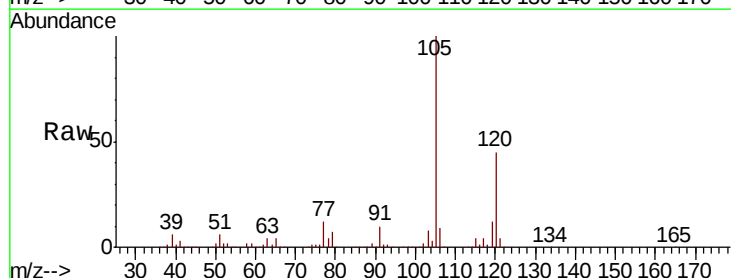
RT: 11.81 min Scan# 1748

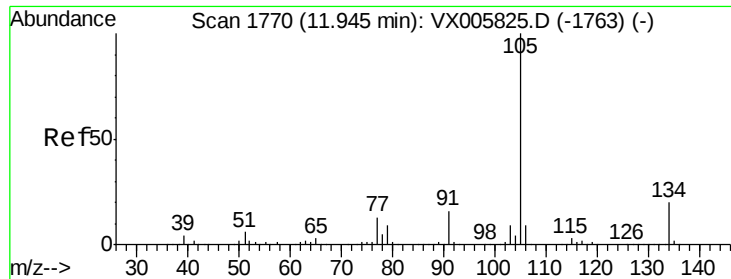
Delta R.T. 0.01 min

Lab File: VX005919.D

Acq: 12 Nov 2018 23:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		213799		
120	44.2	22.4	67.0		





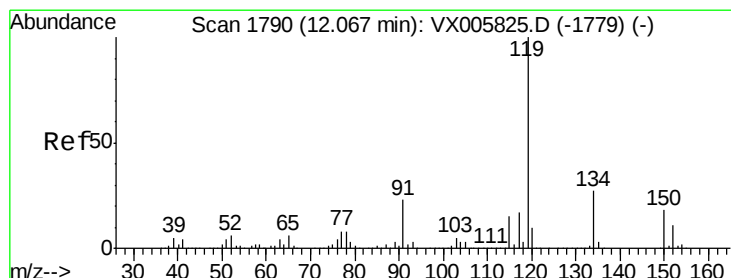
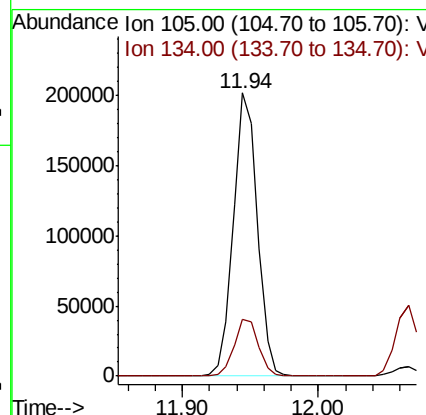
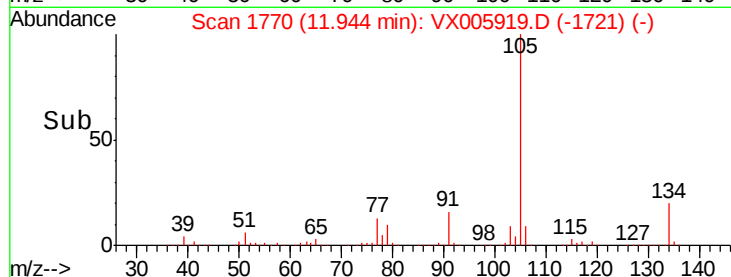
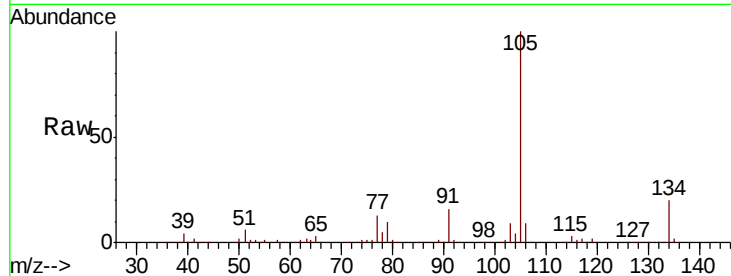
#85
 sec-Butylbenzene
 Concen: 53.297 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.2	30.4

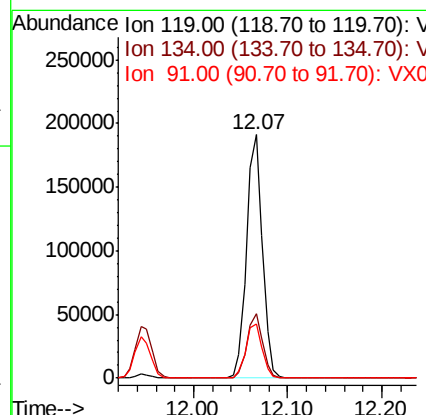
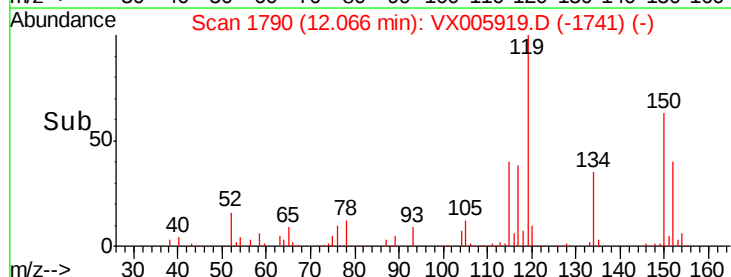
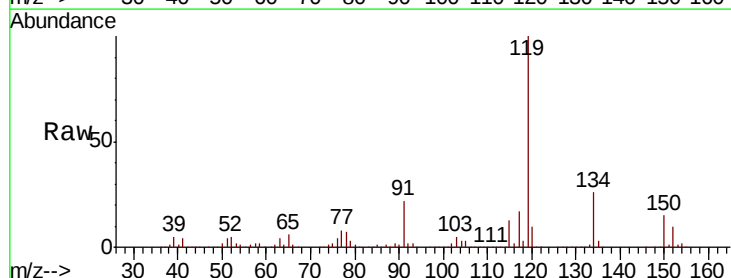
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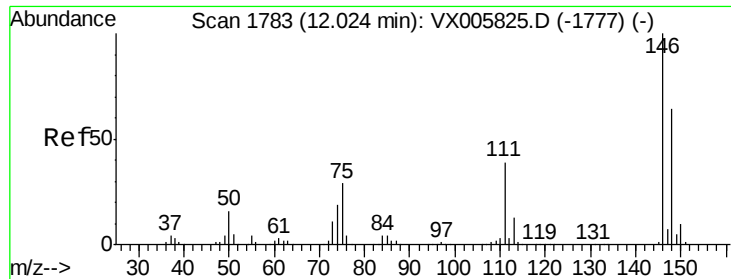
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#86
 p-Isopropyltoluene
 Concen: 54.417 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.0	39.0
91	23.1	11.4	34.2





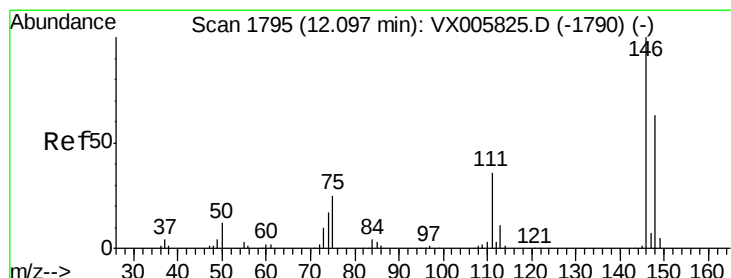
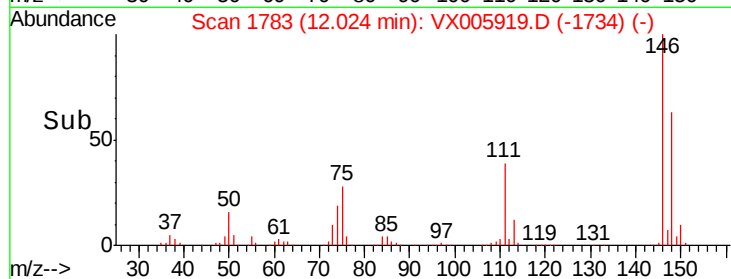
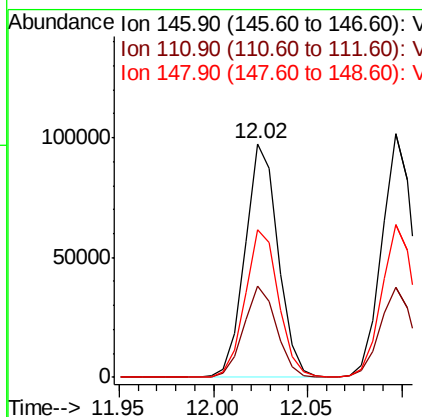
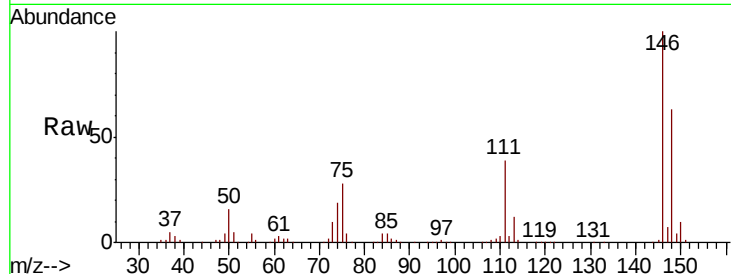
#87
 1,3-Dichlorobenzene
 Concen: 49.983 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.0	57.0
148	63.9	31.9	95.9

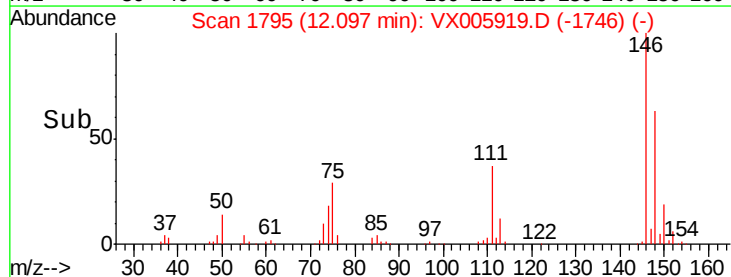
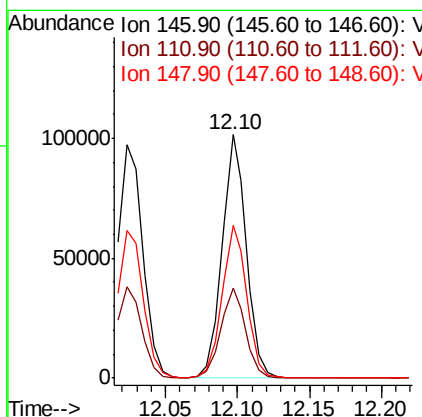
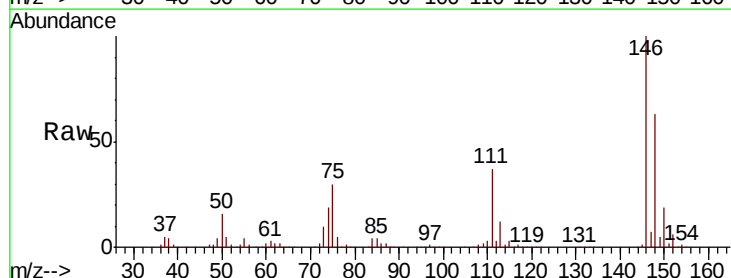
Manual Integrations
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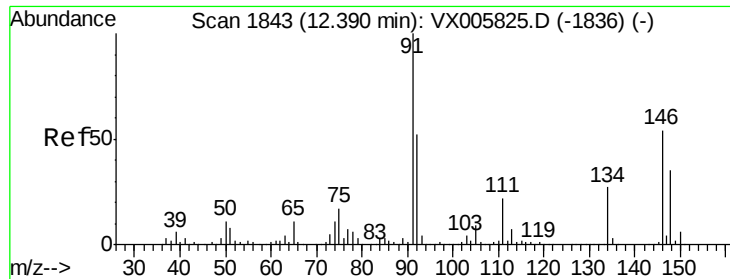
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.381 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.0	32.1	96.3





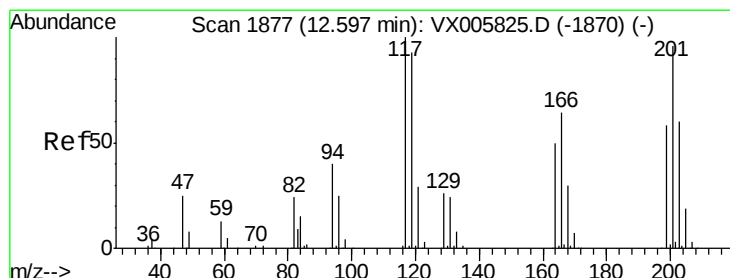
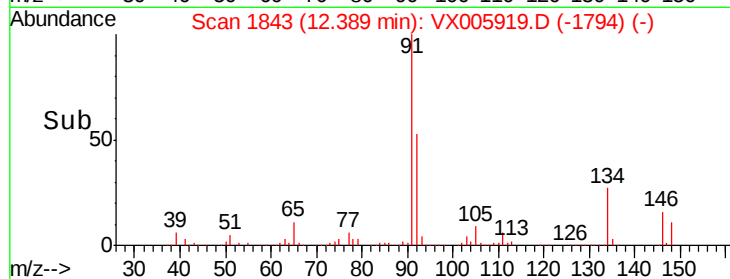
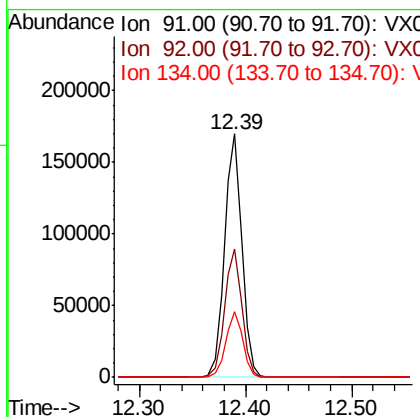
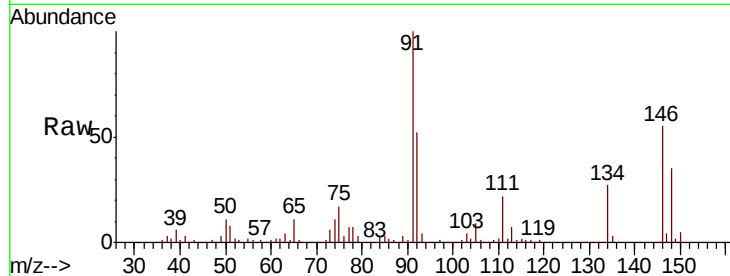
#89
n-Butylbenzene
Concen: 50.995 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	26.6	13.1	39.3

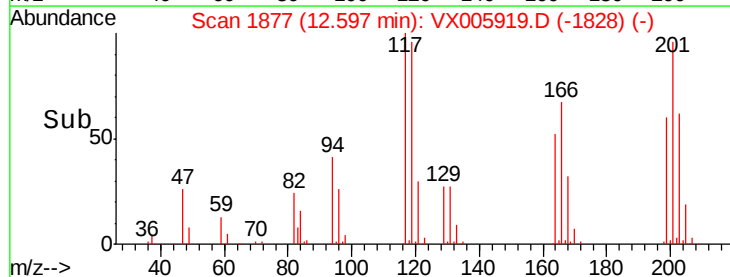
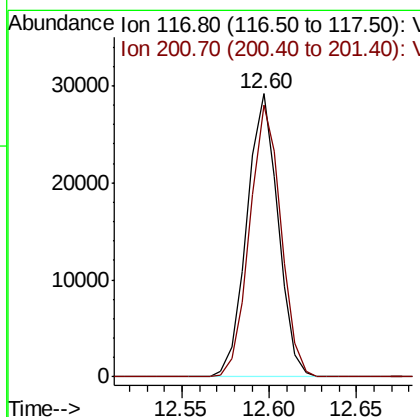
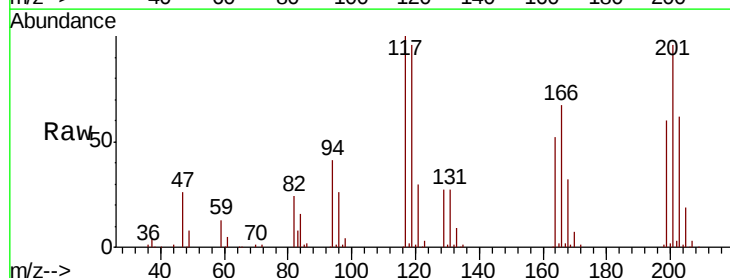
Manual Integrations
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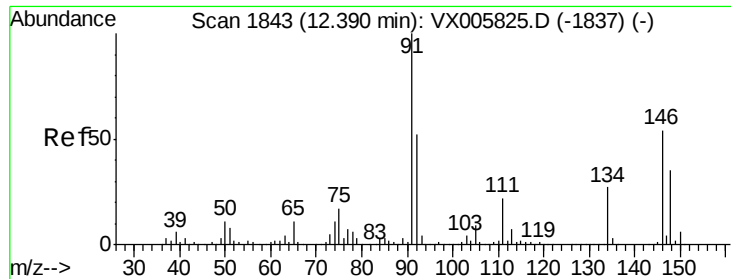
MMDadoda
11/13/2018 12:19:27 PM



#90
Hexachloroethane
Concen: 53.061 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.5	47.9	143.6





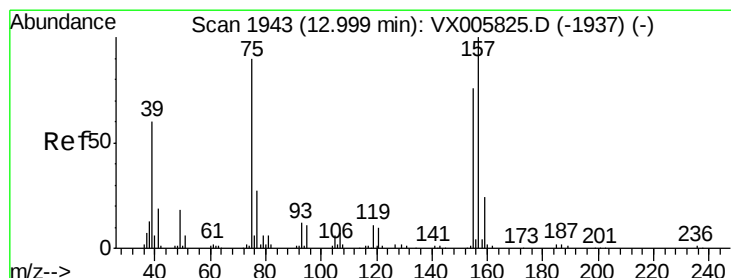
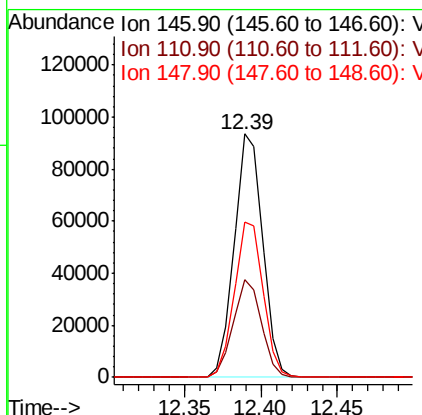
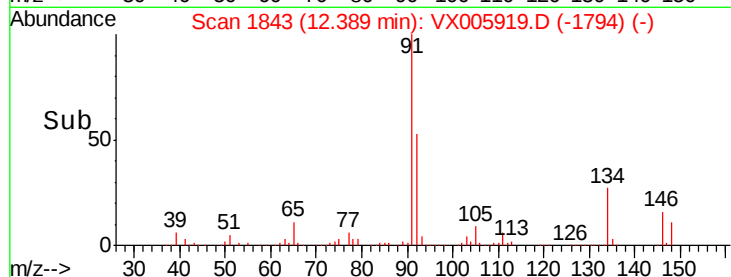
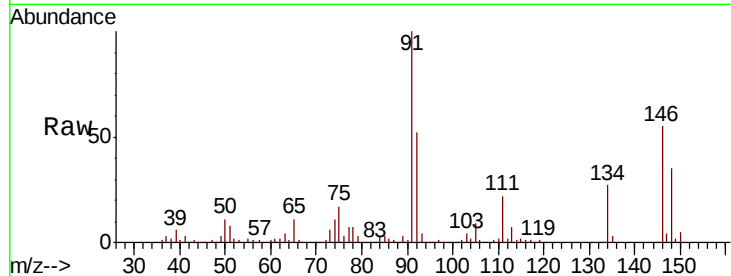
#91
 1,2-Dichlorobenzene
 Concen: 50.644 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	59.9
148	64.4	32.2	96.6

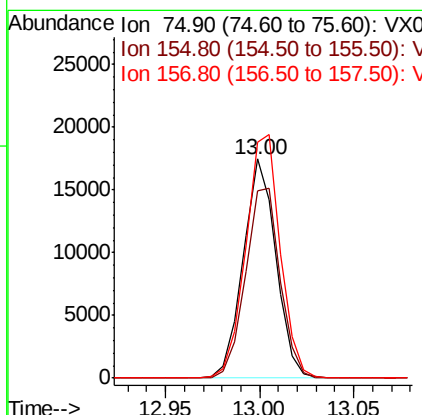
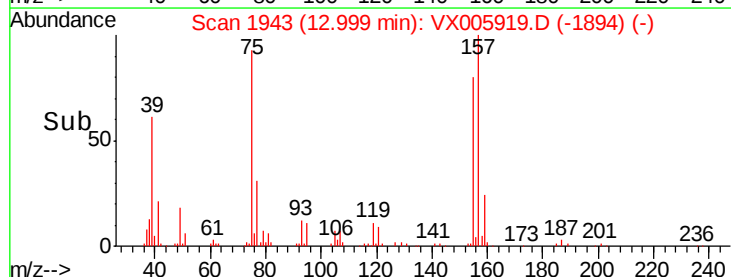
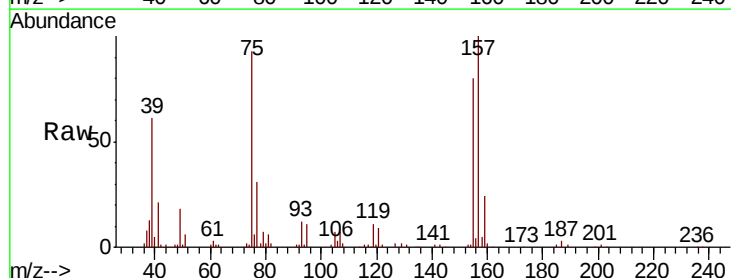
Manual Integrations
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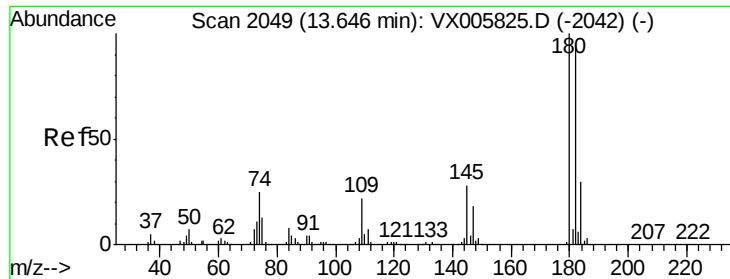
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.447 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005919.D
 Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	45.4	136.1
157	116.9	57.4	172.0





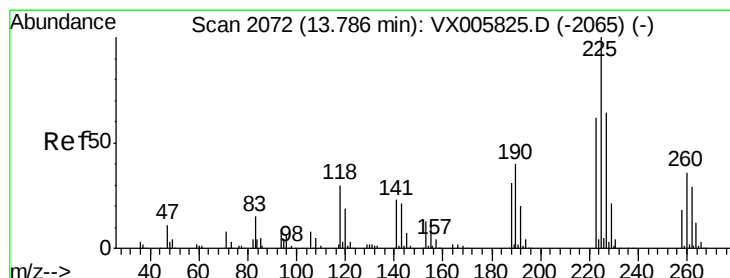
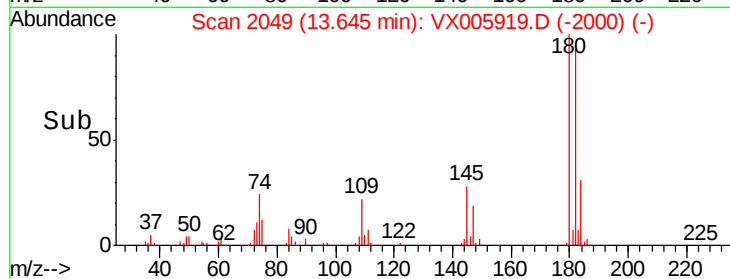
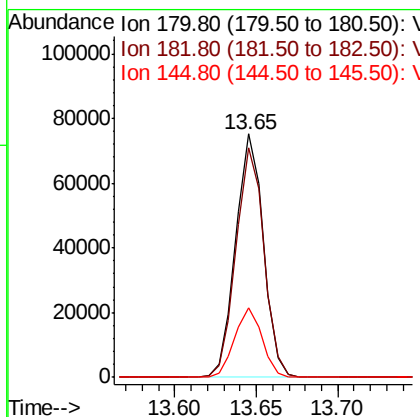
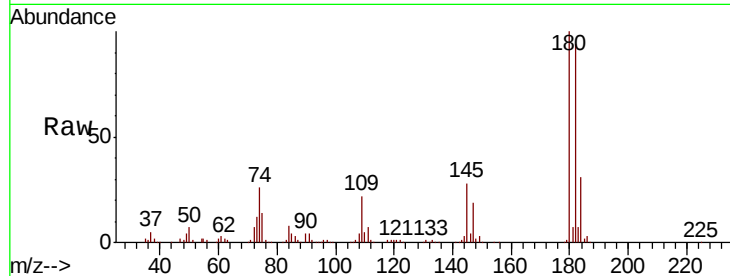
#93
1,2,4-Trichlorobenzene
Concen: 52.987 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.8
145	28.3	14.1	42.2

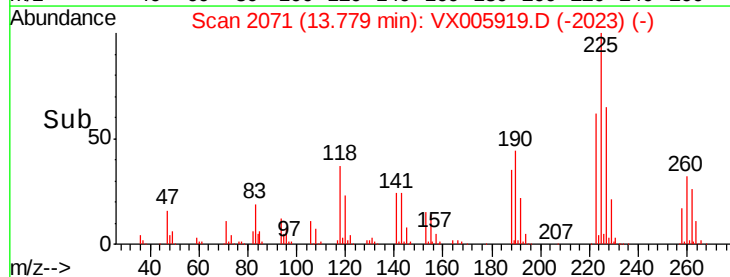
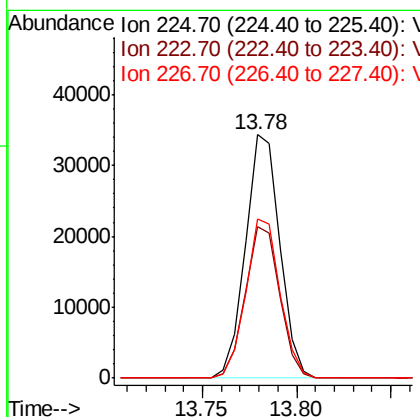
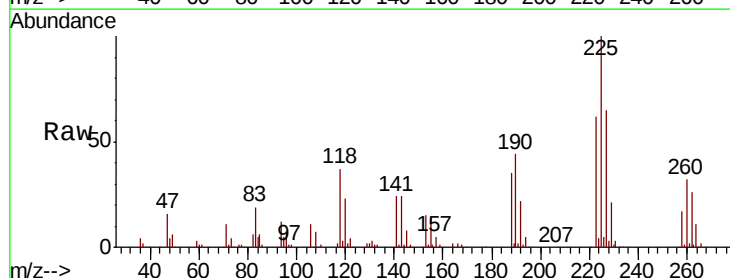
Manual Integrations
APPROVED

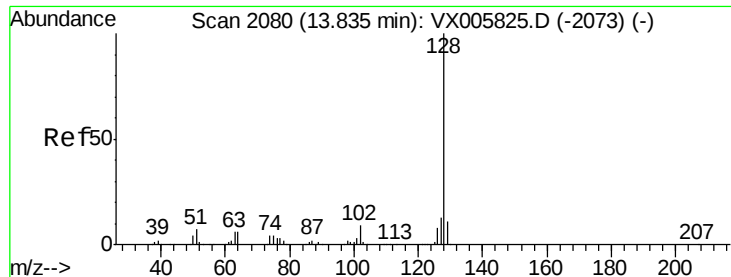
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11/13/2018 12:19:27 PM



#94
Hexachlorobutadiene
Concen: 49.374 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.7	95.1
227	64.9	32.3	96.9





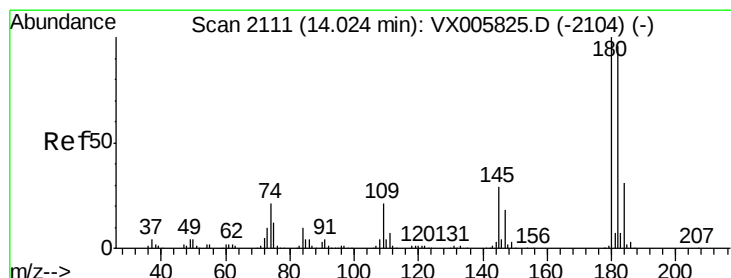
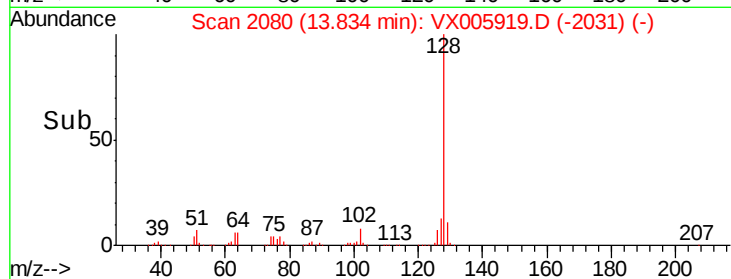
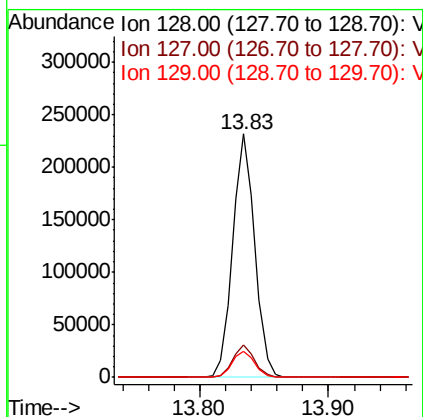
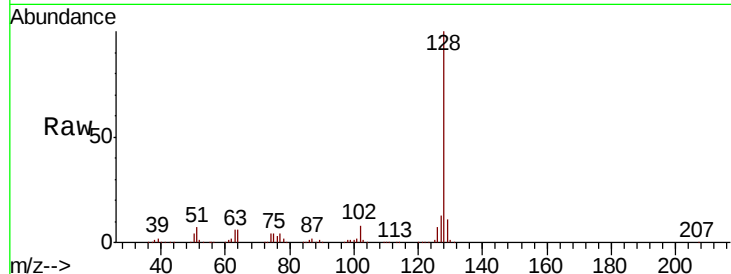
#95
Naphthalene
Concen: 50.774 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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11/13/2018 12:19:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.791 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005919.D
Acq: 12 Nov 2018 23:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.2
145	30.0	15.1	45.3

