

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004575.D
 Acq On : 15 Sep 2018 10:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:32 PM

Quant Time: Sep 17 01:38:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	263483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340047	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214778	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	169869	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
35) Dibromofluoromethane	5.50	113	157161	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	8.72	98	508636	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.14	95	184588	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121905	49.37	ug/l	100
3) Chloromethane	1.32	50	159798	47.02	ug/l	97
4) Vinyl Chloride	1.40	62	165084	47.33	ug/l	94
5) Bromomethane	1.64	94	73302	50.20	ug/l	96
6) Chloroethane	1.72	64	111946	49.63	ug/l	96
7) Trichlorofluoromethane	1.92	101	218658	47.29	ug/l	95
8) Diethyl Ether	2.19	74	102851	49.62	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	136328	46.48	ug/l	100
10) Methyl Iodide	2.51	142	139194	40.57	ug/l	97
11) Tert butyl alcohol	3.07	59	189492	233.75	ug/l	99
12) 1,1-Dichloroethene	2.37	96	134862	48.99	ug/l	87
13) Acrolein	2.29	56	80166	250.52	ug/l	98
14) Allyl chloride	2.72	41	256232	45.27	ug/l	94
15) Acrylonitrile	3.15	53	466629	239.03	ug/l	97
16) Acetone	2.45	43	358408	216.15	ug/l	97
17) Carbon Disulfide	2.57	76	376497	47.31	ug/l	99
18) Methyl Acetate	2.78	43	223843	48.12	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	481530	49.85	ug/l	99
20) Methylene Chloride	2.85	84	157466	46.29	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	145398	47.79	ug/l	97
22) Diisopropyl ether	3.87	45	502290	49.27	ug/l	97
23) Vinyl Acetate	3.82	43	2031585	246.27	ug/l	99
24) 1,1-Dichloroethane	3.69	63	278612	48.41	ug/l	97
25) 2-Butanone	4.70	43	583331	221.04	ug/l	98
26) 2,2-Dichloropropane	4.59	77	122747	31.05	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	170779	50.29	ug/l	97
28) Bromochloromethane	5.03	49	132629	50.38	ug/l	97
29) Tetrahydrofuran	5.16	42	393326	247.14	ug/l	96
30) Chloroform	5.21	83	272173	48.44	ug/l	91
31) Cyclohexane	5.57	56	246446	50.15	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	225754	49.88	ug/l	99
36) 1,1-Dichloropropene	5.80	75	205051	49.67	ug/l	98
37) Ethyl Acetate	4.86	43	214406	45.66	ug/l	98
38) Carbon Tetrachloride	5.78	117	199664	49.52	ug/l	97

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Manual Integrations
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MMDadoda
 9/17/2018 5:09:32 PM

Quant Time: Sep 17 01:38:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	210030	48.75	ug/l	98
40) Benzene	6.14	78	624428	50.98	ug/l	95
41) Methacrylonitrile	5.06	41	125484	48.51	ug/l	98
42) 1,2-Dichloroethane	6.20	62	200897	49.45	ug/l	99
43) Isopropyl Acetate	6.46	43	323852	51.93	ug/l	99
44) Trichloroethene	7.21	130	153860	48.35	ug/l	97
45) 1,2-Dichloropropane	7.52	63	147489	50.04	ug/l	99
46) Dibromomethane	7.66	93	90480	48.59	ug/l	98
47) Bromodichloromethane	7.90	83	175647	49.88	ug/l	100
48) Methyl methacrylate	7.77	41	155728	50.46	ug/l	97
49) 1,4-Dioxane	7.76	88	72225	988.73	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	989683	224.88	ug/l	99
52) Toluene	8.79	92	342751	47.49	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	206360	50.17	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	202801	48.36	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	162771	52.38	ug/l	96
56) Ethyl methacrylate	9.18	69	250710	57.03	ug/l	97
57) 1,3-Dichloropropane	9.37	76	259887	51.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	541684	242.09	ug/l	96
59) 2-Hexanone	9.50	43	764613	226.50	ug/l	100
60) Dibromochloromethane	9.59	129	144173	49.28	ug/l	97
61) 1,2-Dibromoethane	9.68	107	143962	48.50	ug/l	99
64) Tetrachloroethene	9.34	164	194178	49.92	ug/l	92
65) Chlorobenzene	10.14	112	385937	49.87	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	139087	52.12	ug/l	99
67) Ethyl Benzene	10.26	91	656051	52.14	ug/l	99
68) m/p-Xylenes	10.36	106	507962	104.80	ug/l	98
69) o-Xylene	10.70	106	248129	53.25	ug/l	99
70) Styrene	10.71	104	419021	54.28	ug/l	99
71) Bromoform	10.86	173	114044	52.05	ug/l	# 100
73) Isopropylbenzene	11.02	105	664174	46.95	ug/l	100
74) N-amyl acetate	10.90	43	275246	46.23	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	203665	44.64	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	187373m	43.36	ug/l	
77) Bromobenzene	11.26	156	177049	45.28	ug/l	99
78) n-propylbenzene	11.36	91	755994	46.48	ug/l	99
79) 2-Chlorotoluene	11.42	91	451801	45.80	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	617786	51.95	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	52650	38.84	ug/l	93
82) 4-Chlorotoluene	11.51	91	596978	51.85	ug/l	98
83) tert-Butylbenzene	11.77	119	643714	56.86	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	689345	56.78	ug/l	99
85) sec-Butylbenzene	11.95	105	761304	52.77	ug/l	100
86) p-Isopropyltoluene	12.07	119	662546	52.01	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	365906	50.16	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	347010	46.04	ug/l	97
89) n-Butylbenzene	12.39	91	571379	49.22	ug/l	98
90) Hexachloroethane	12.60	117	100928	49.49	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	386421	52.34	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54381	55.82	ug/l	99

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VSTDCCC050EC

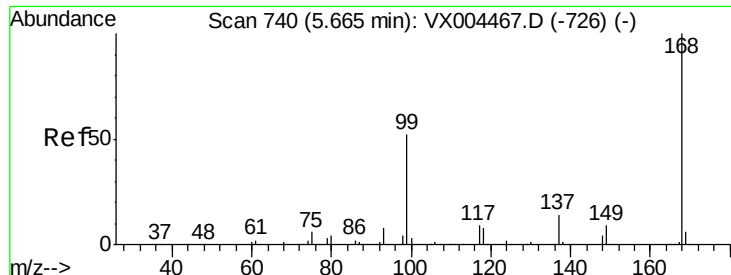
Manual Integrations
APPROVED

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9/17/2018 5:09:32 PM

Quant Time: Sep 17 01:38:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	285095	54.53	ug/l	99
94) Hexachlorobutadiene	13.79	225	133826	49.01	ug/l	95
95) Naphthalene	13.83	128	876106	59.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	289566	53.91	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 263483

Ion Ratio Lower Upper

168 100

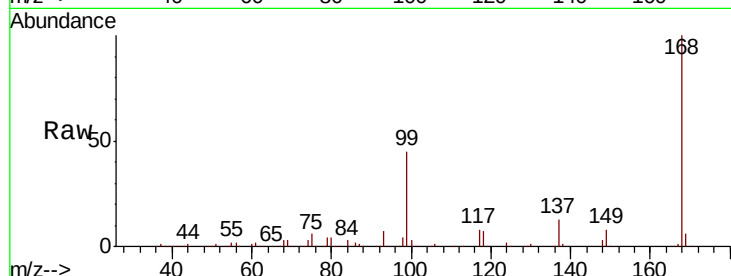
99 44.8 39.9 59.9

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

100000

80000

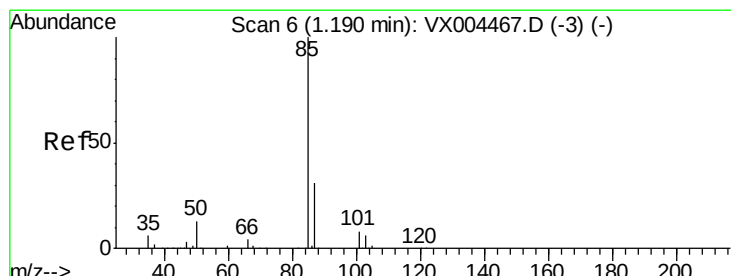
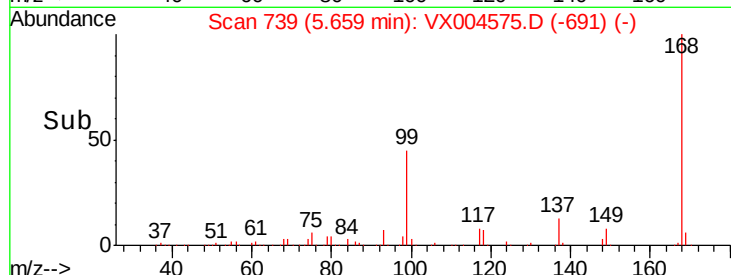
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.37 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004575.D

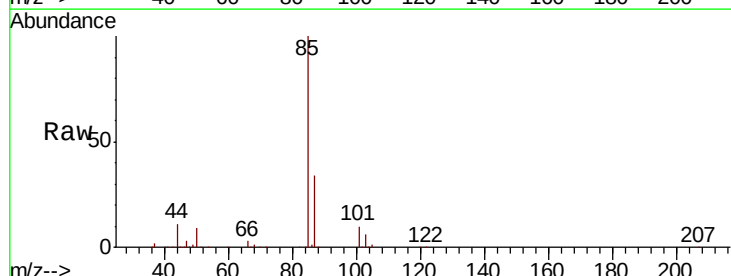
Acq: 15 Sep 2018 10:15

Tgt Ion: 85 Resp: 121905

Ion Ratio Lower Upper

85 100

87 34.2 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

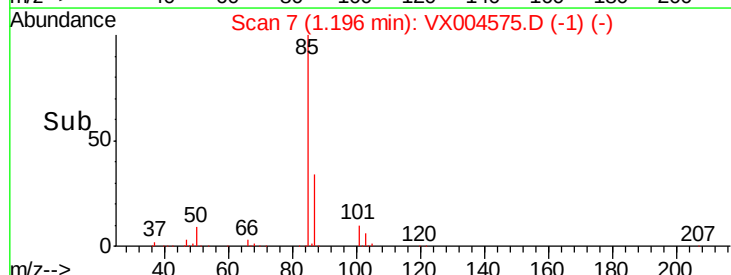
1.20

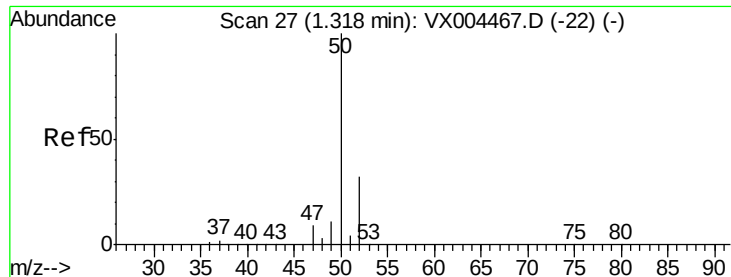
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.02 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 159798

Ion Ratio Lower Upper

50 100

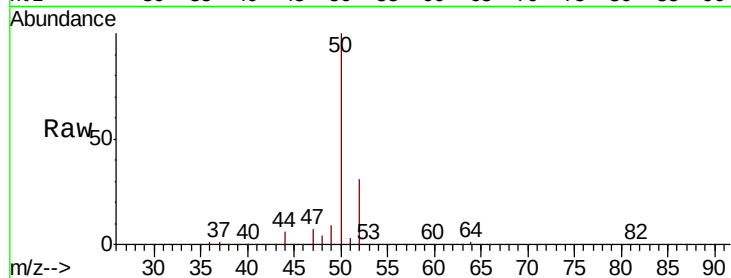
52 31.1 26.2 39.2

Manual Integrations

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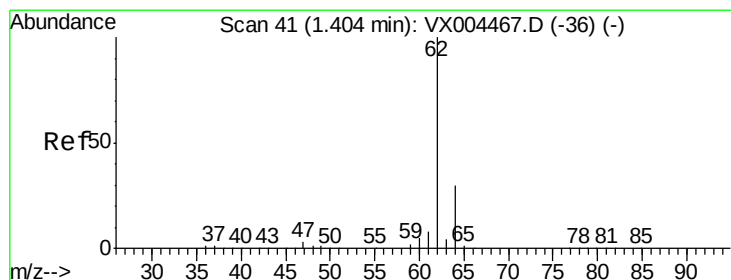
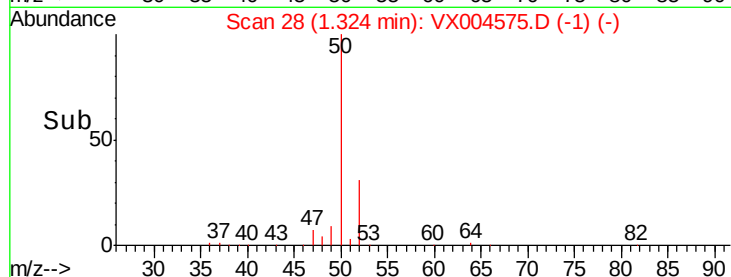
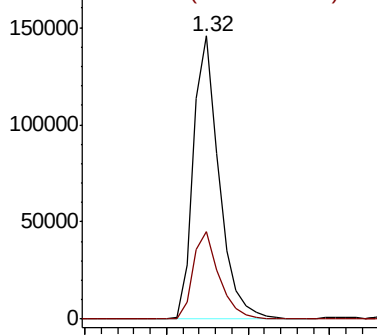
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 47.33 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004575.D

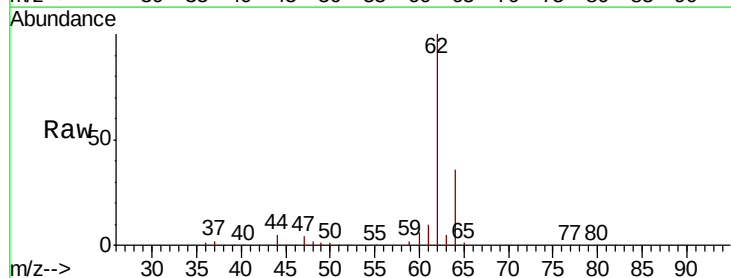
Acq: 15 Sep 2018 10:15

Tgt Ion: 62 Resp: 165084

Ion Ratio Lower Upper

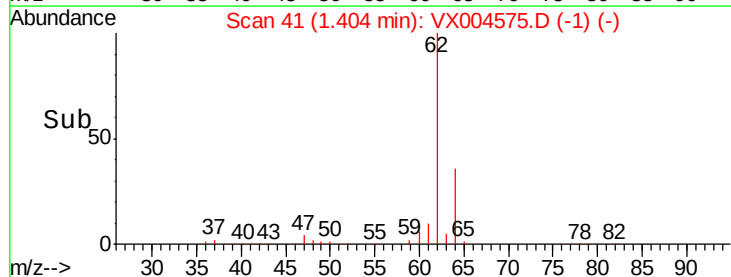
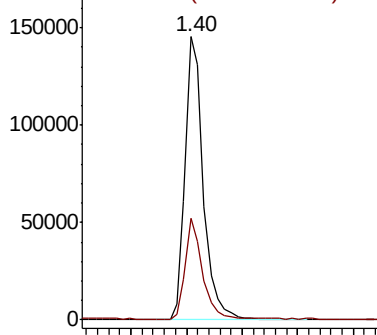
62 100

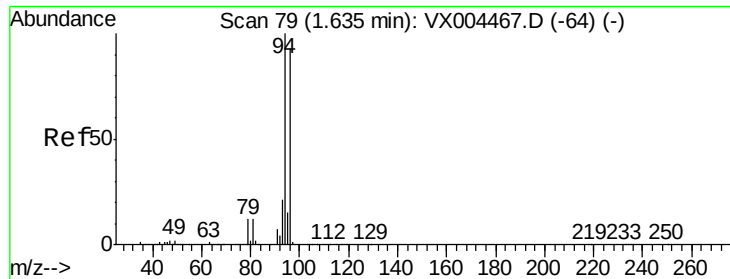
64 35.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 50.20 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tot Ion: 94 Resp: 73302

Ion Ratio Lower Upper

94 100

96 89.3 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

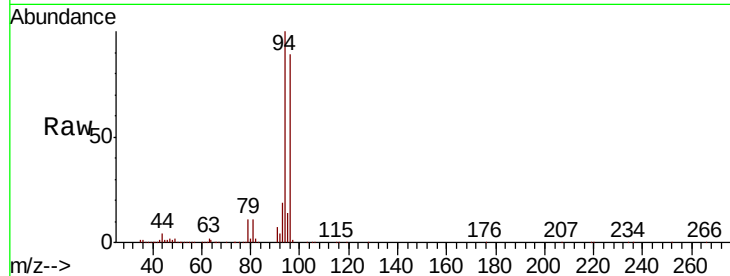
VSTDCCC050EC

Manual Integrations

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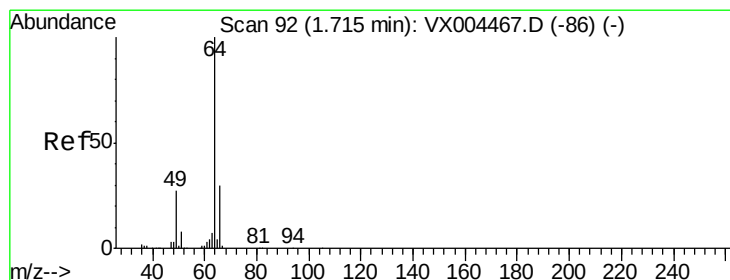
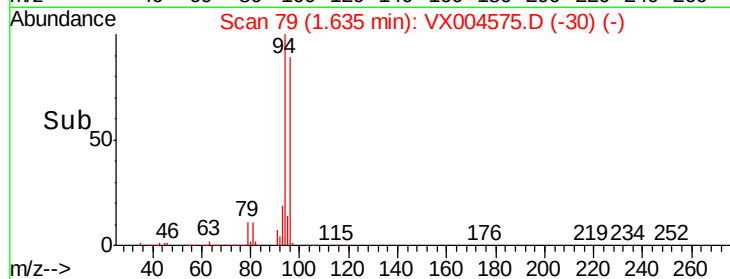
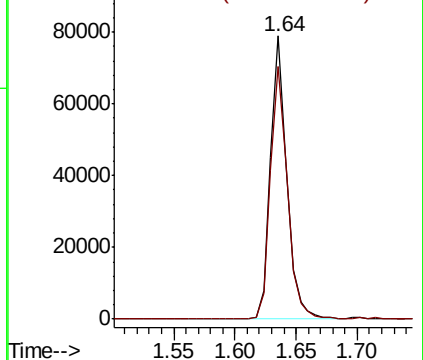
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.63 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004575.D

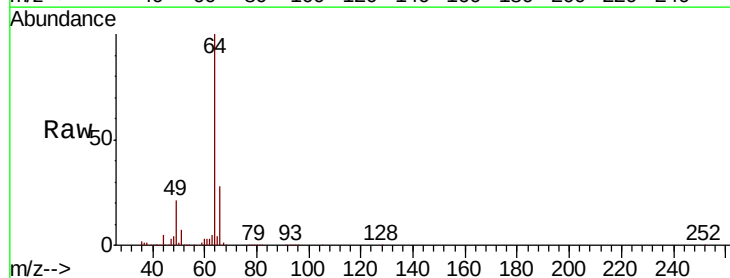
Acq: 15 Sep 2018 10:15

Tgt Ion: 64 Resp: 111946

Ion Ratio Lower Upper

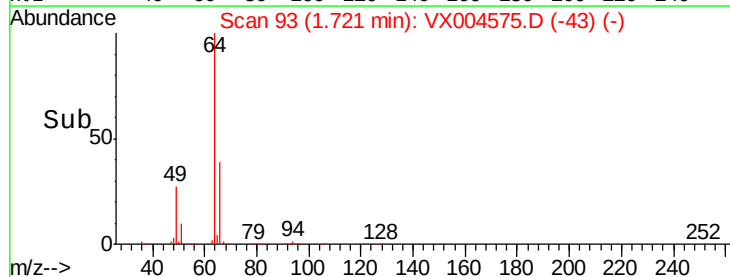
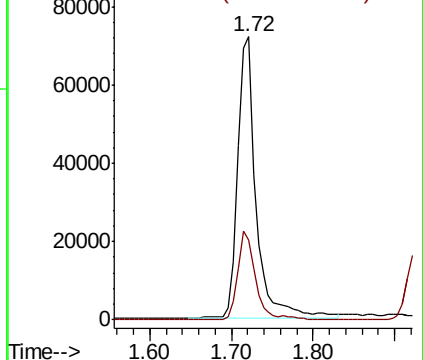
64 100

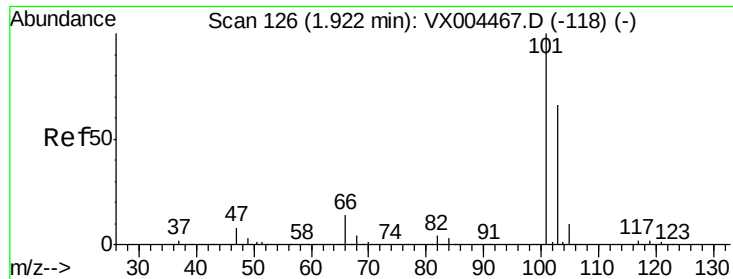
66 28.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

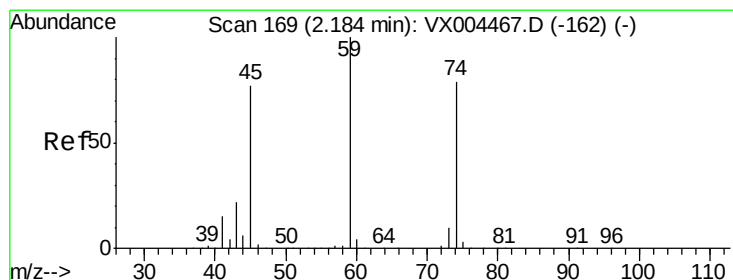
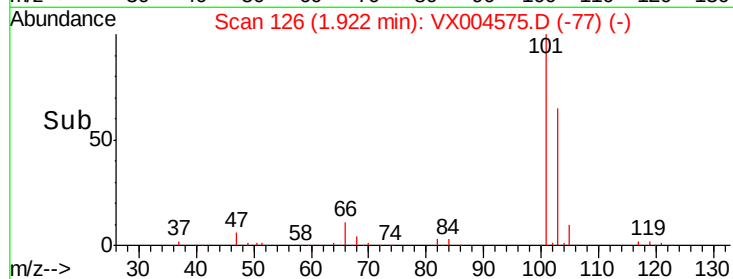
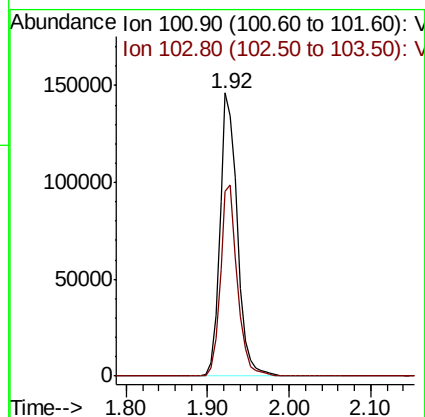
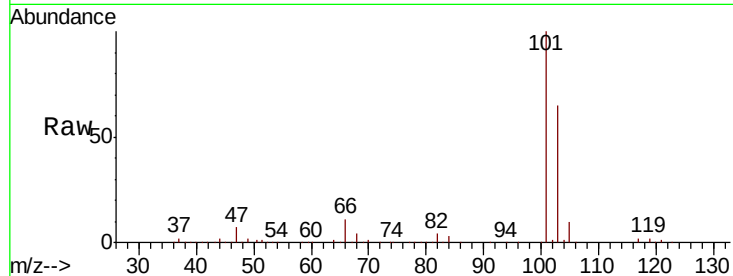
Trichlorofluoromethane
Concen: 47.29 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	48.9	73.3

Manual Integrations
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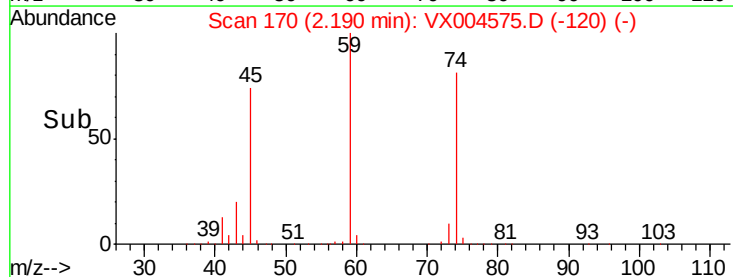
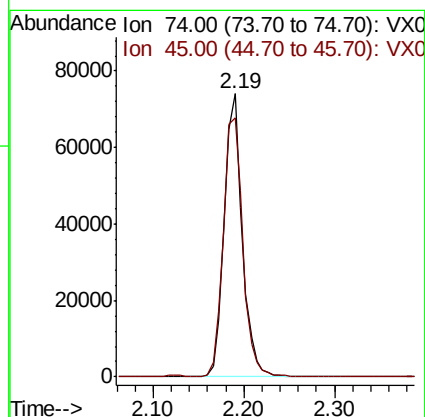
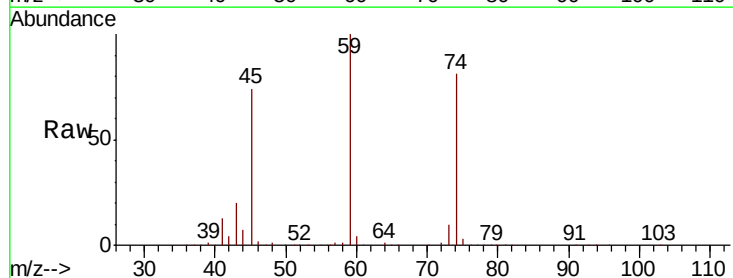
MMDadoda
9/17/2018 5:09:32 PM

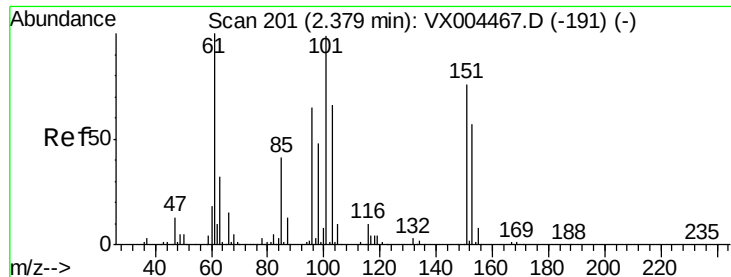


#8

Diethyl Ether
Concen: 49.62 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.48 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

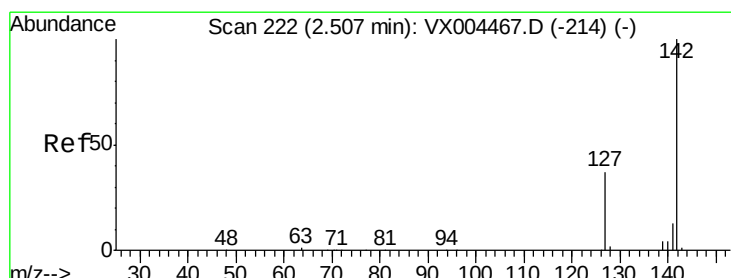
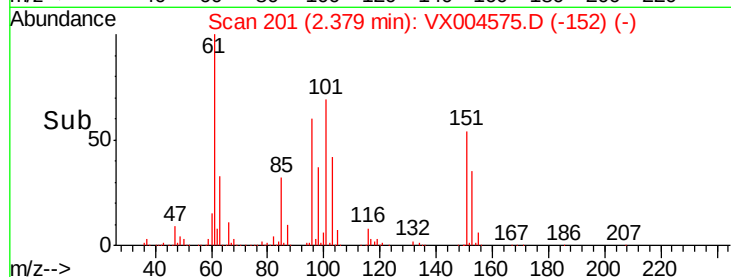
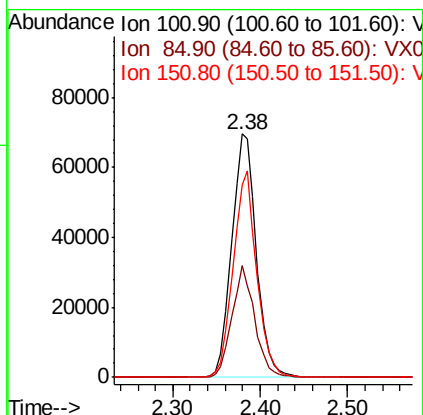
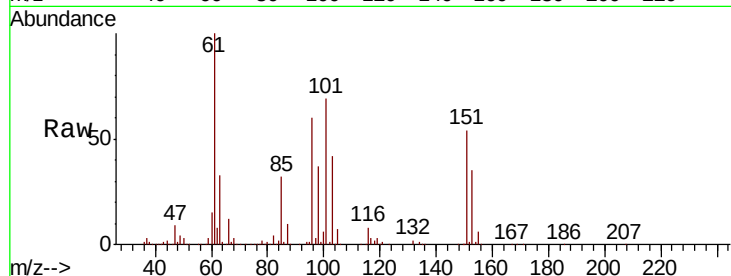
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	136328
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	81.3	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 40.57 ug/l

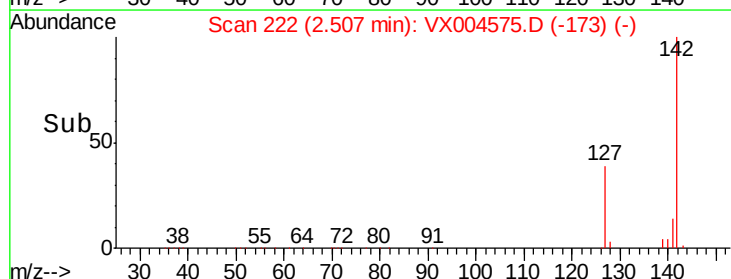
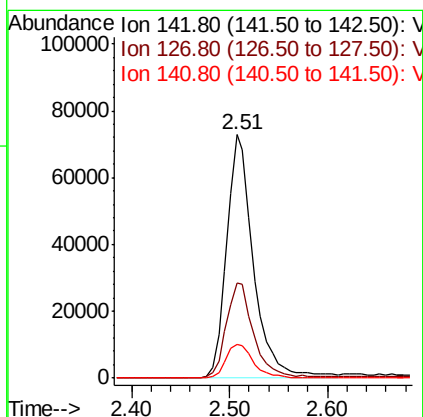
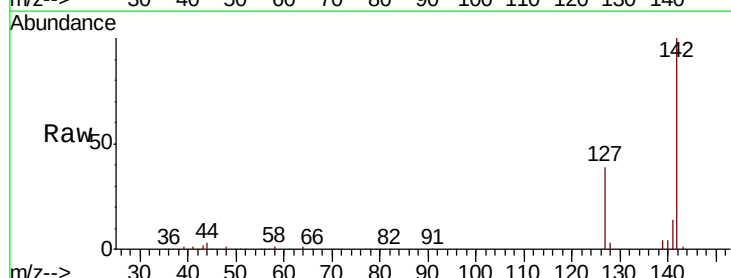
RT: 2.51 min Scan# 222

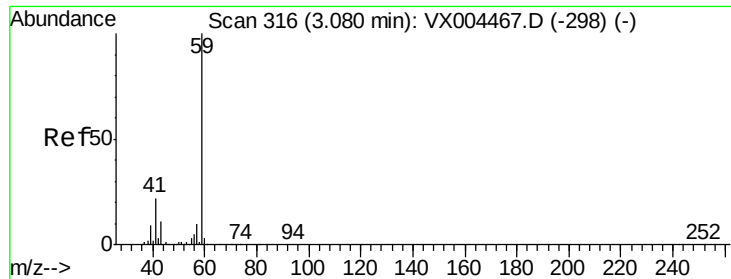
Delta R.T. 0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion:	142	Resp:	139194
Ion Ratio	Lower	Upper	
142	100		
127	39.8	33.8	50.6
141	14.1	11.4	17.0





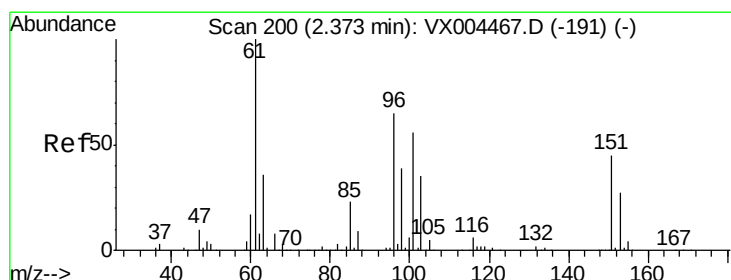
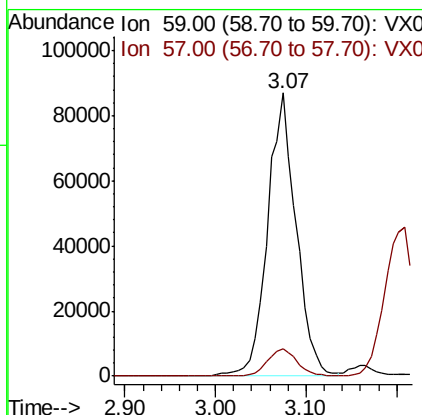
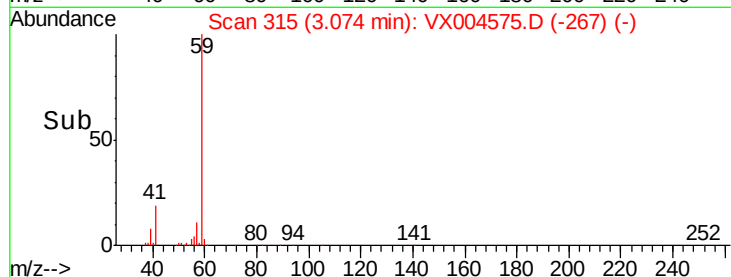
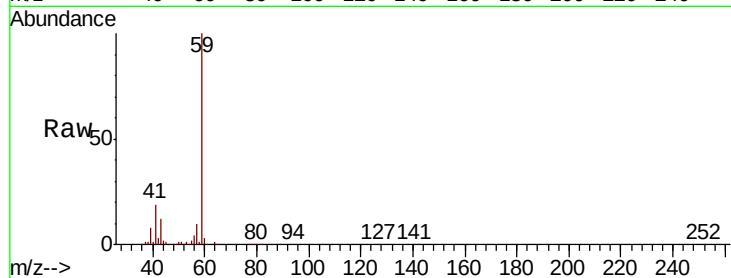
#11
Tert butyl alcohol
Concen: 233.75 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

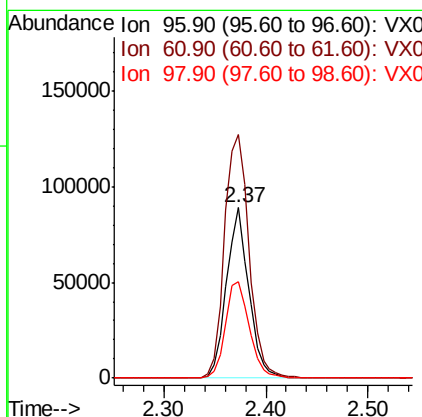
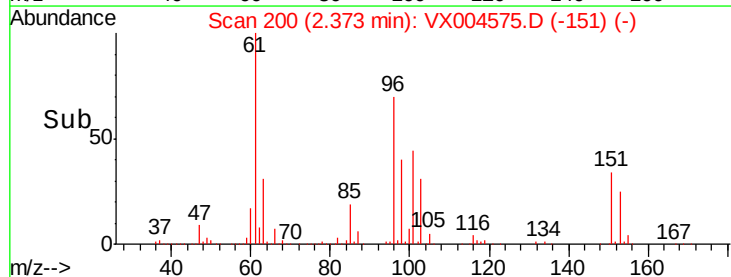
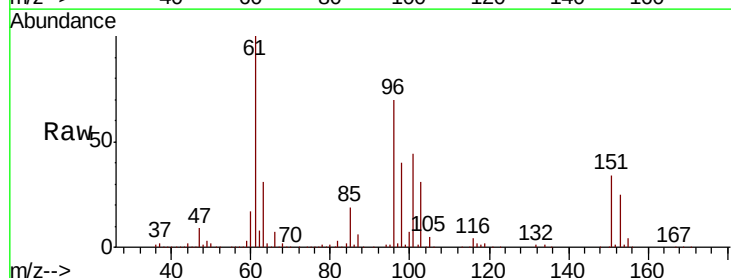
Manual Integrations
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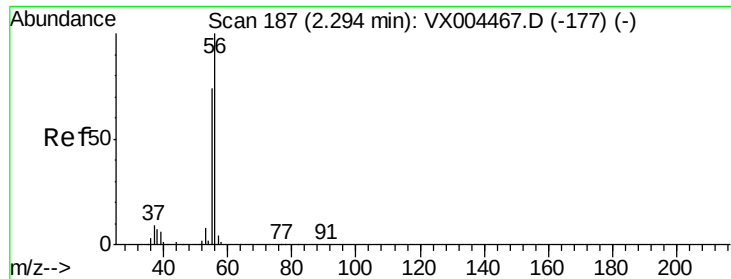
MMDadoda
9/17/2018 5:09:32 PM



#12
1,1-Dichloroethene
Concen: 48.99 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.7	128.8	193.2
98	56.7	52.2	78.2





#13

Acrolein

Concen: 250.52 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 80166

Ion Ratio Lower Upper

56 100

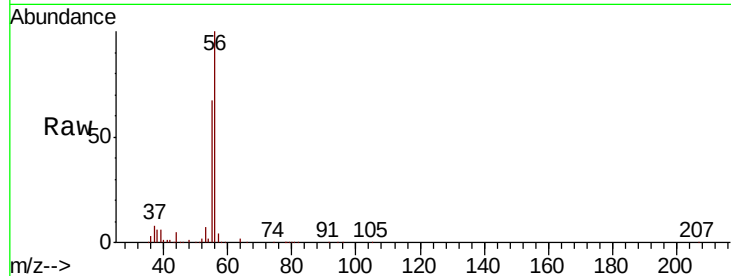
55 69.7 54.7 82.1

Manual Integrations

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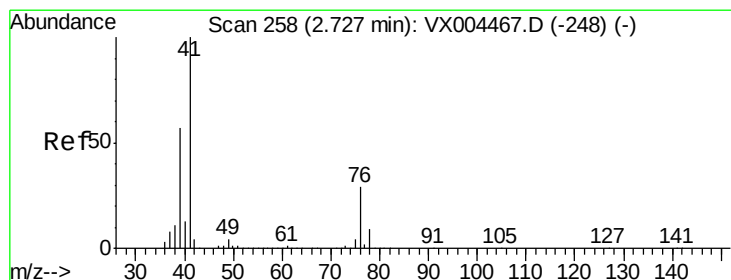
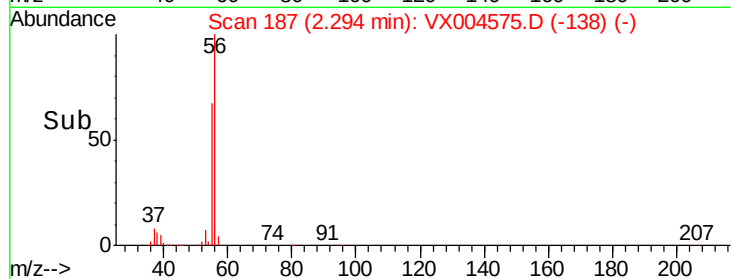
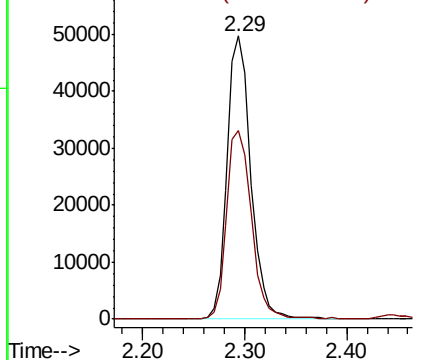
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.27 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

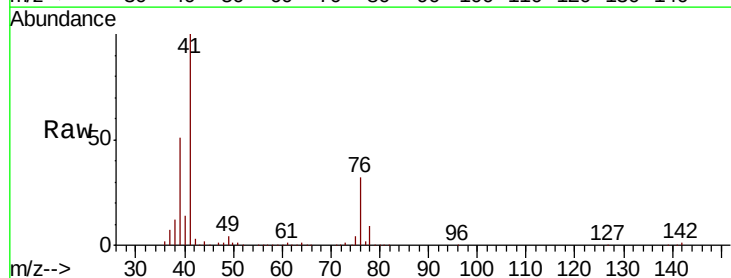
Tgt Ion: 41 Resp: 256232

Ion Ratio Lower Upper

41 100

39 55.0 48.9 73.3

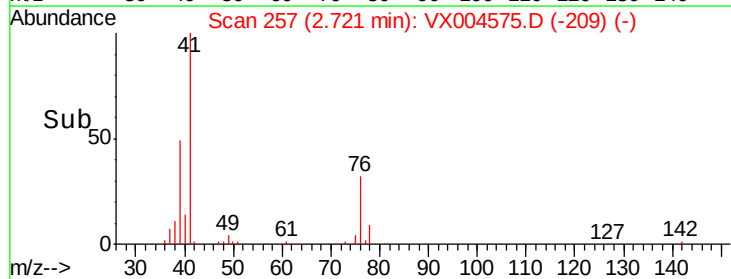
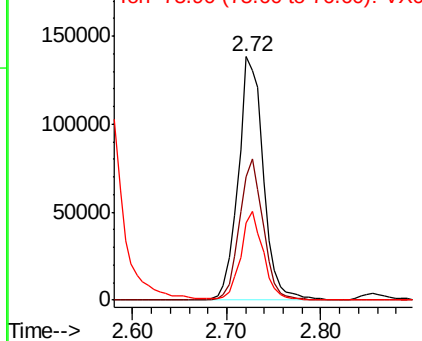
76 32.7 26.7 40.1

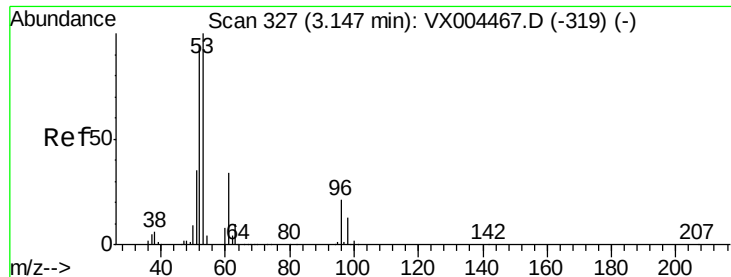


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 239.03 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

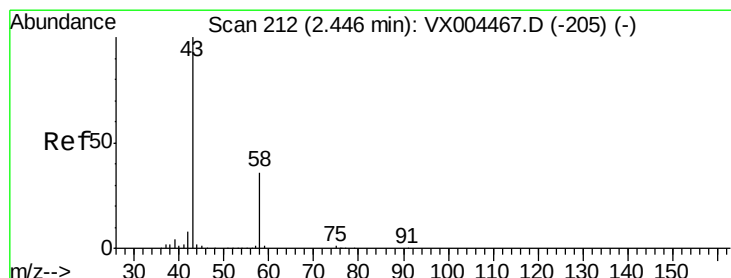
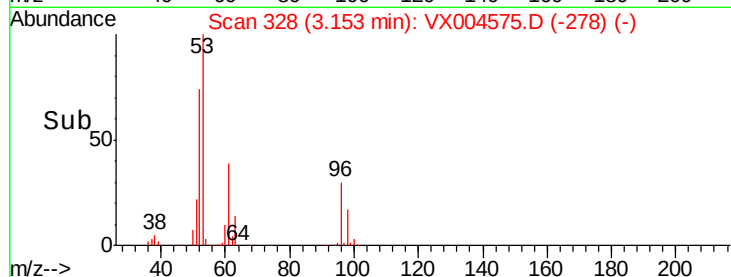
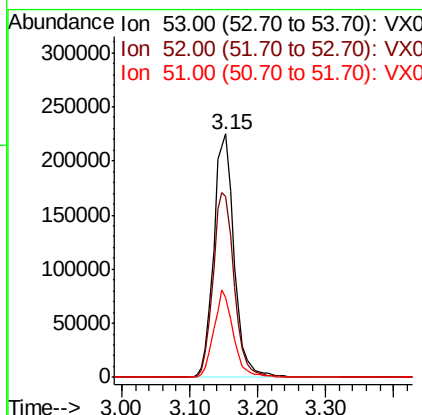
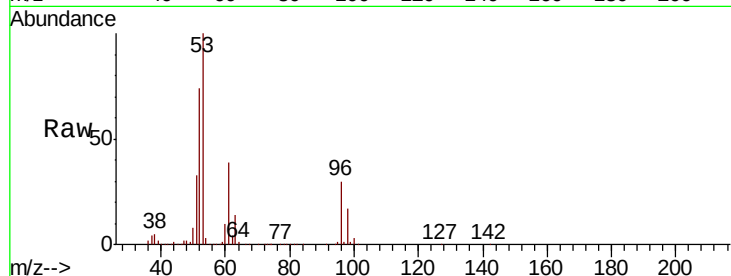
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	466629
Ion	Ratio	Lower	Upper
53	100		
52	78.7	65.2	97.8
51	34.3	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 216.15 ug/l

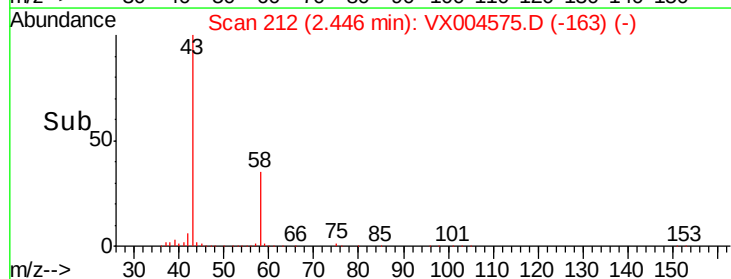
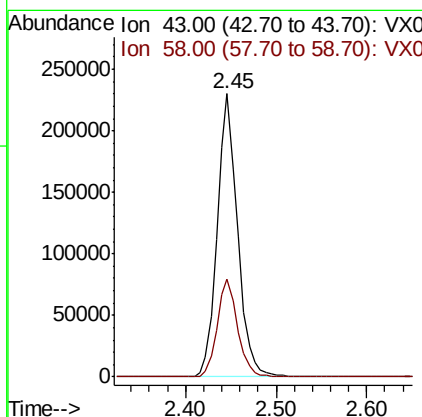
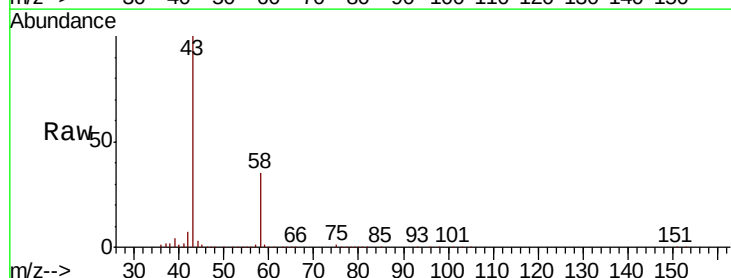
RT: 2.45 min Scan# 212

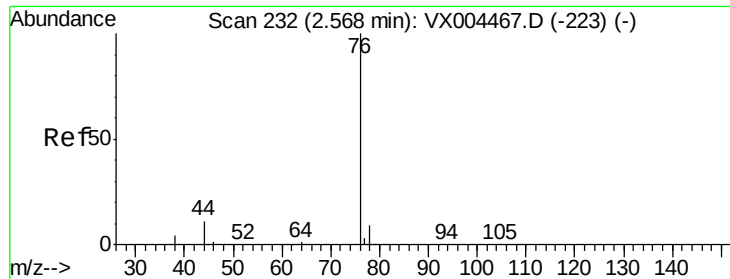
Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion:	43	Resp:	358408
Ion	Ratio	Lower	Upper
43	100		
58	34.6	26.2	39.4





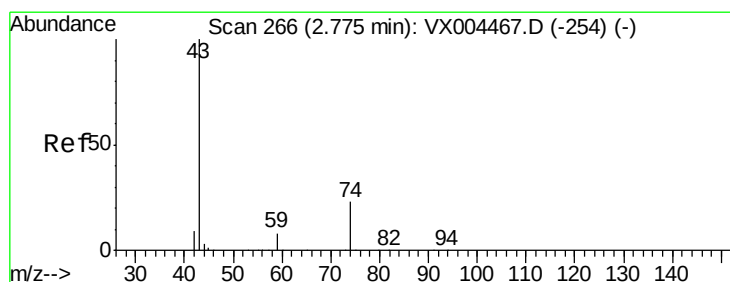
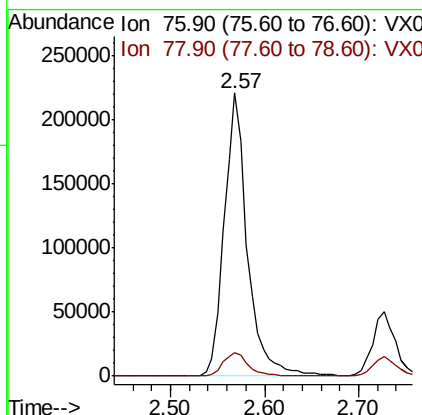
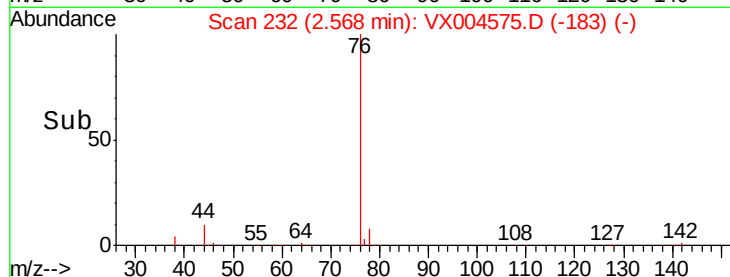
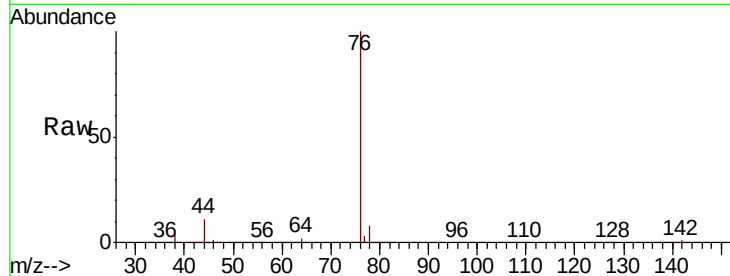
#17
Carbon Disulfide
Concen: 47.31 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.0	10.6

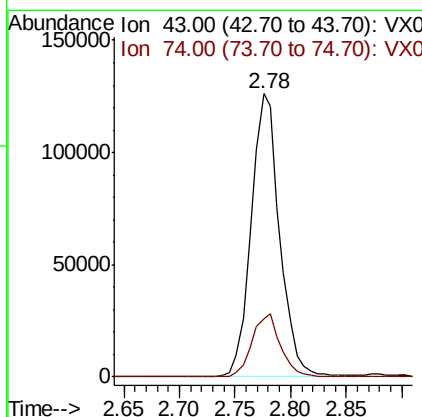
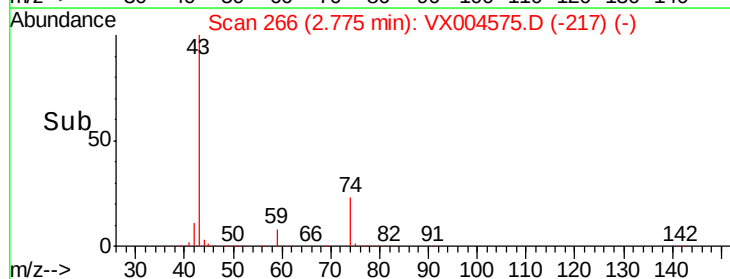
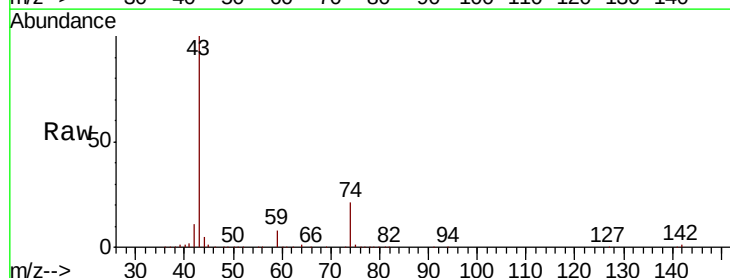
Manual Integrations
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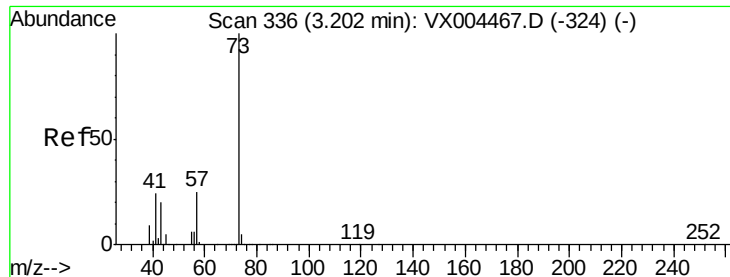
MMDadoda
9/17/2018 5:09:32 PM



#18
Methyl Acetate
Concen: 48.12 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	19.4	29.2





#19

Methyl tert-butyl Ether

Concen: 49.85 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 73 Resp: 481530

Ion Ratio Lower Upper

73 100

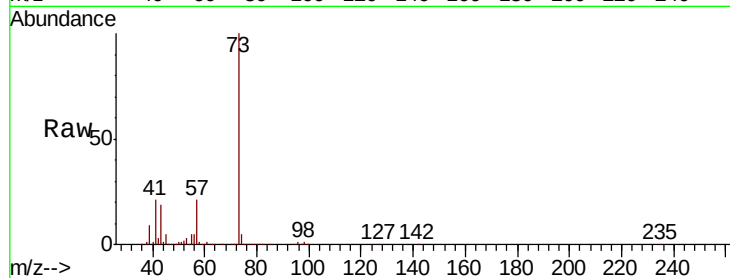
57 20.8 17.1 25.7

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

250000

200000

150000

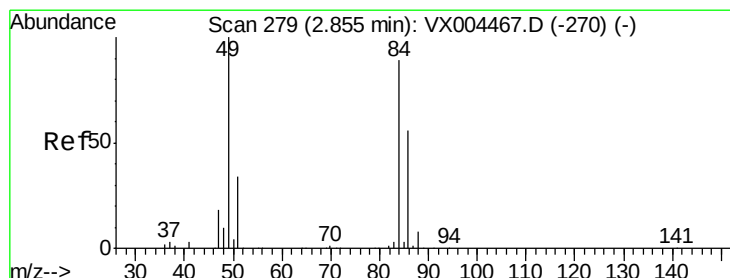
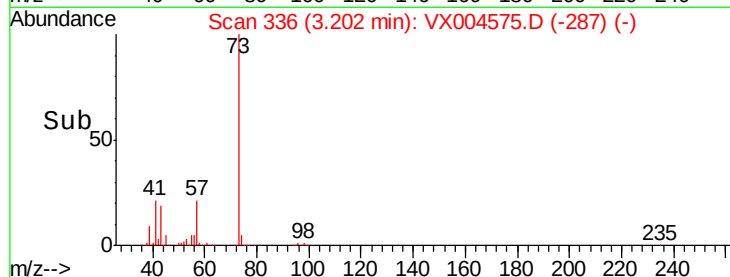
100000

50000

0

3.10 3.20 3.30

Time-->



#20

Methylene Chloride

Concen: 46.29 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion: 84 Resp: 157466

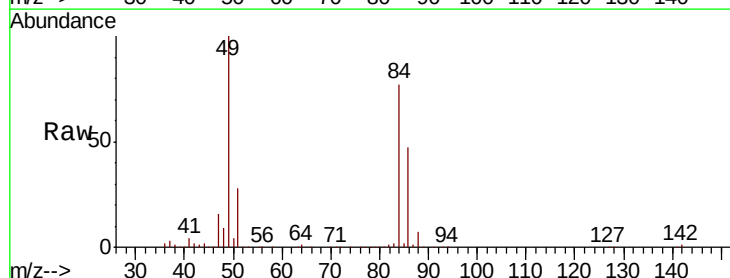
Ion Ratio Lower Upper

84 100

49 129.5 101.2 151.8

51 35.9 29.5 44.3

86 61.2 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

150000

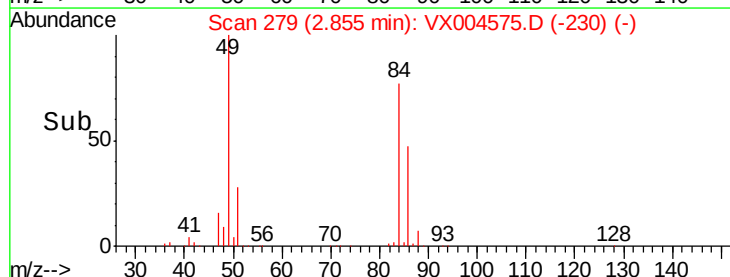
100000

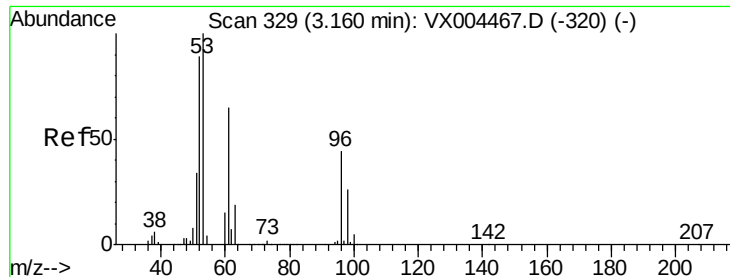
50000

0

2.70 2.80 2.90 3.00

Time-->





#21

trans-1,2-Dichloroethene

Concen: 47.79 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

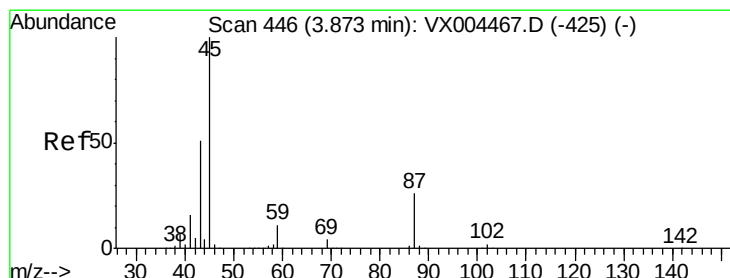
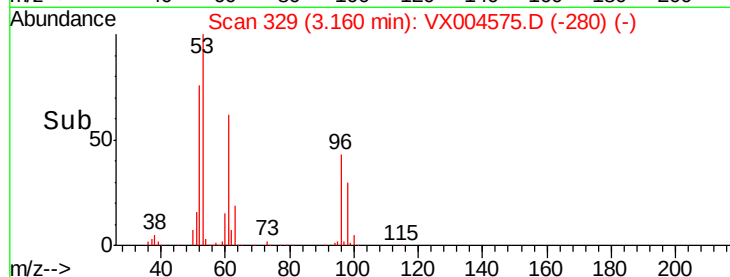
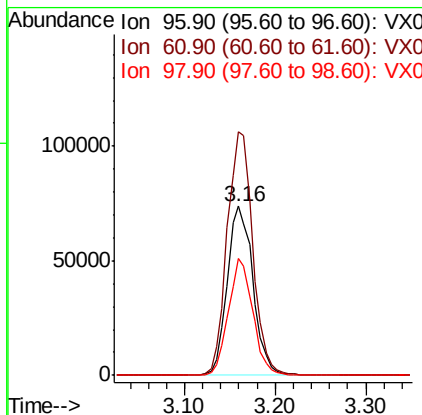
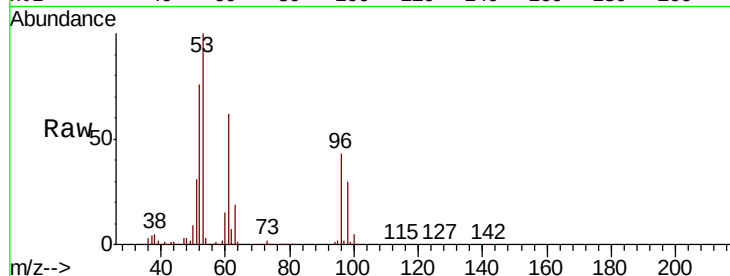
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	145398
Ion	Ratio	Lower	Upper
96	100		
61	144.3	113.8	170.6
98	69.5	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.27 ug/l

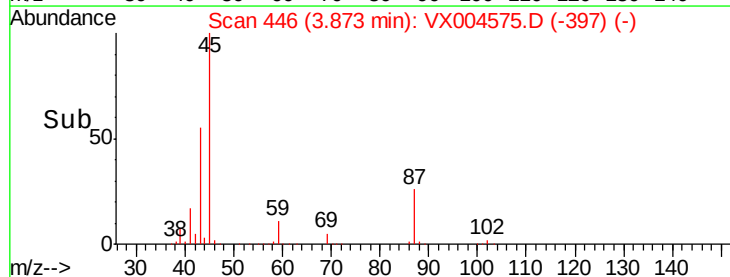
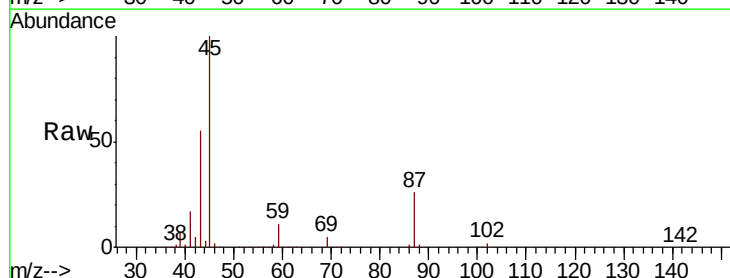
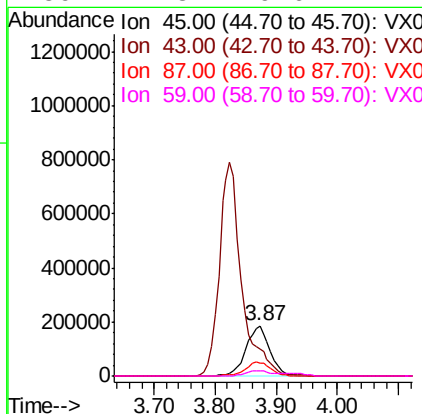
RT: 3.87 min Scan# 446

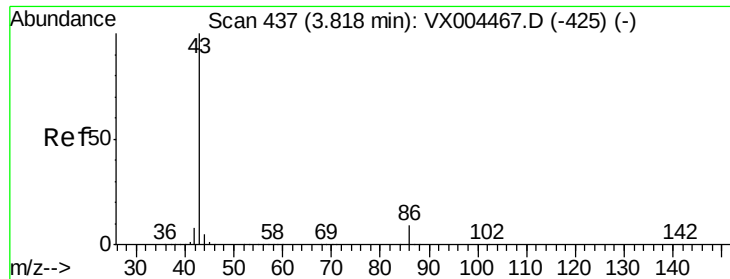
Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion:	45	Resp:	502290
Ion	Ratio	Lower	Upper
45	100		
43	54.9	42.8	64.2
87	25.8	22.6	34.0
59	11.3	9.6	14.4





#23

Vinyl Acetate

Concen: 246.27 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tot Ion: 43 Resp: 2031585

Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3

Instrument :

MSVOA_X

ClientSampleId :

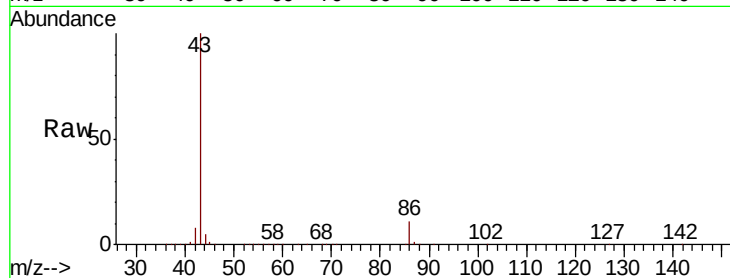
VSTDCCC050EC

Manual Integrations

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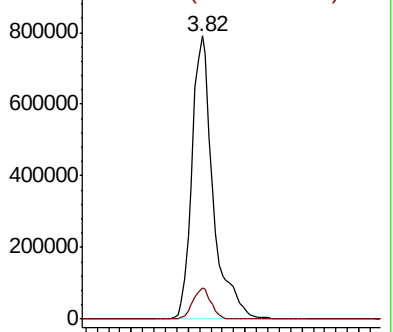
MMDadoda

9/17/2018 5:09:32 PM

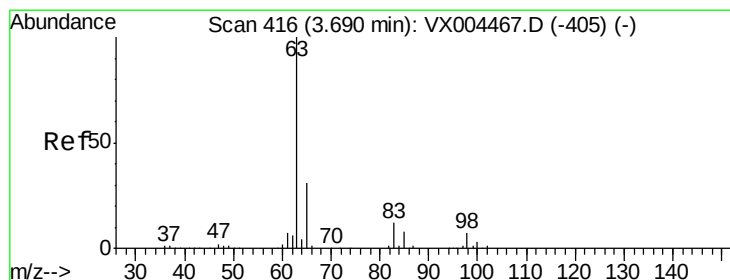
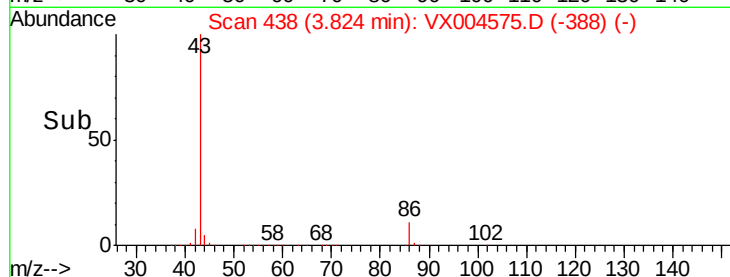


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



Time-->



#24

1,1-Dichloroethane

Concen: 48.41 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

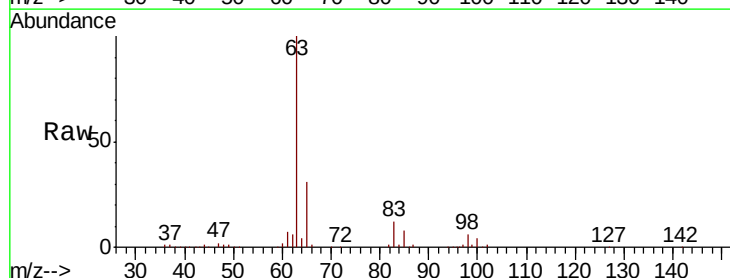
Tgt Ion: 63 Resp: 278612

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.4

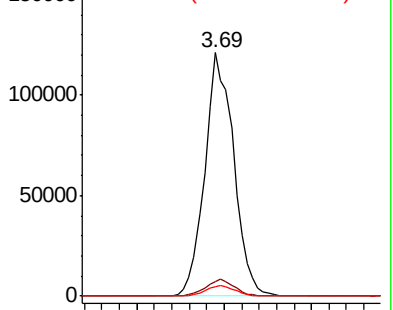
100 3.8 2.4 7.1



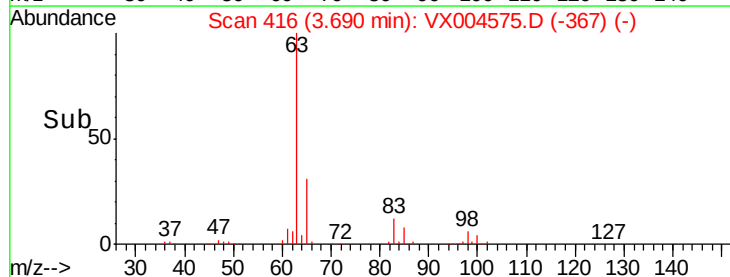
Abundance Ion 62.90 (62.60 to 63.60): VX0

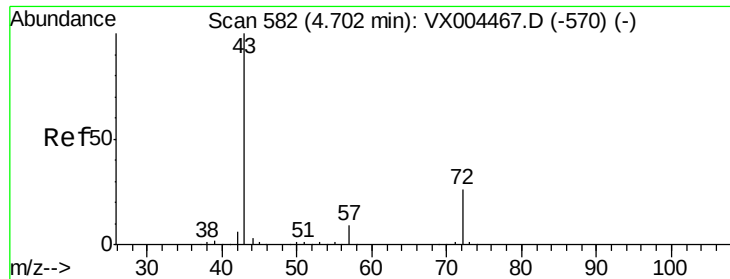
Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



Time-->





#25

2-Butanone

Concen: 221.04 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tot Ion: 43 Resp: 583331

Ion Ratio Lower Upper

43 100

72 28.7 22.0 33.0

Instrument :

MSVOA_X

ClientSampleId :

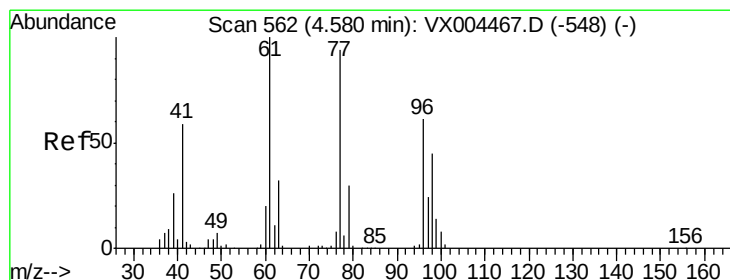
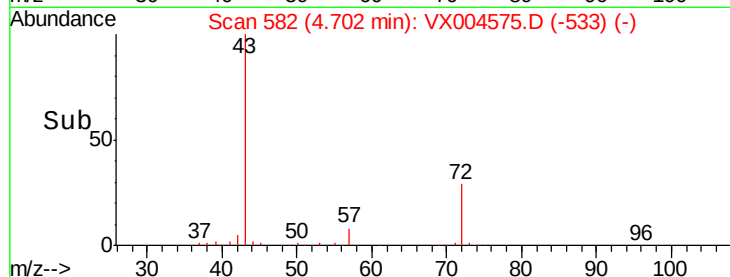
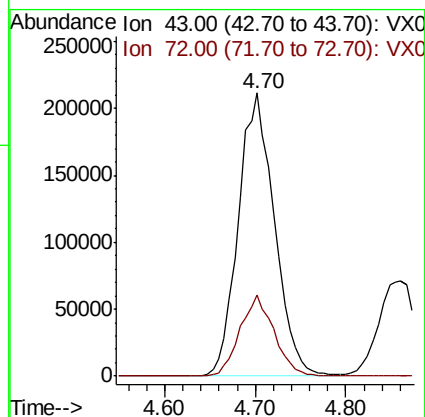
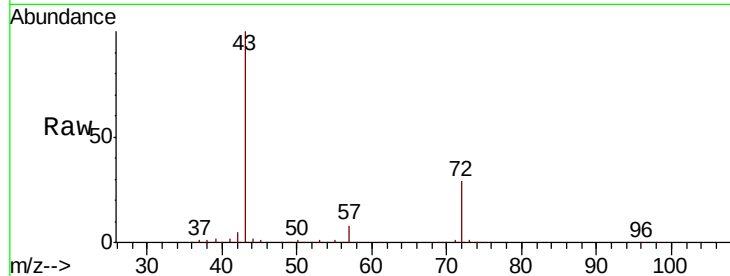
VSTDCCC050EC

Manual Integrations

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MMDadoda

9/17/2018 5:09:32 PM



#26

2,2-Dichloropropane

Concen: 31.05 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX004575.D

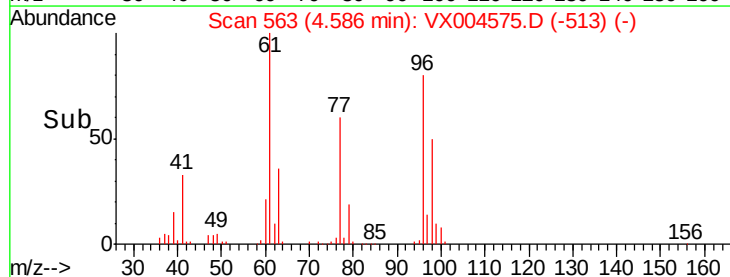
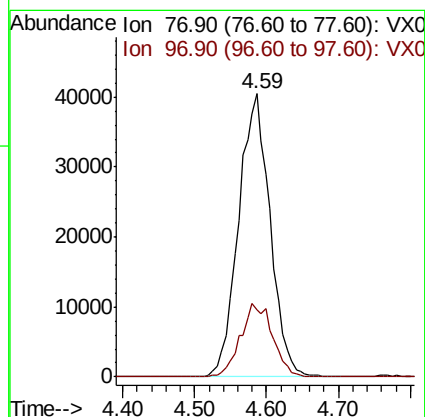
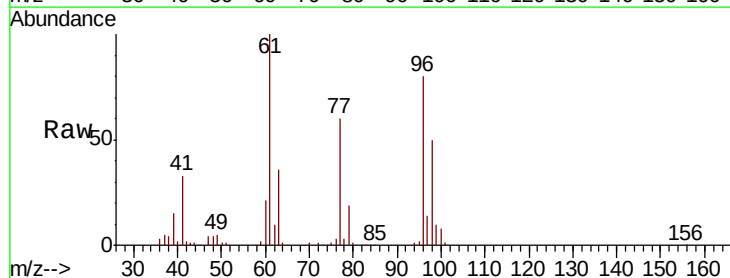
Acq: 15 Sep 2018 10:15

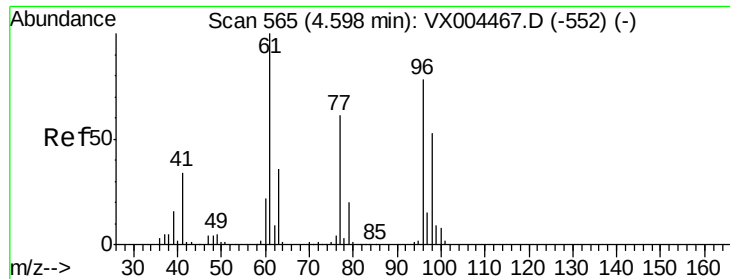
Tgt Ion: 77 Resp: 122747

Ion Ratio Lower Upper

77 100

97 26.3 11.7 35.0





#27

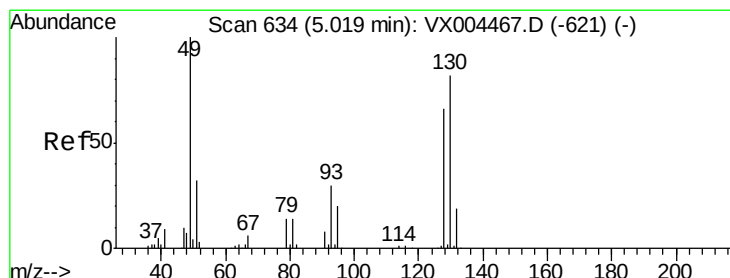
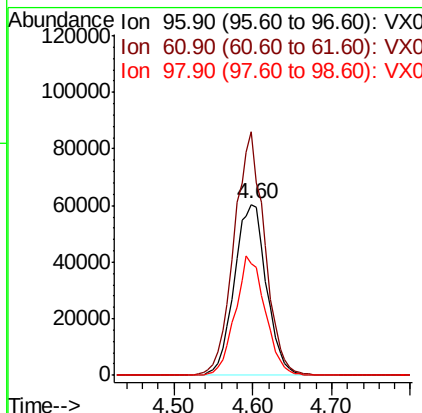
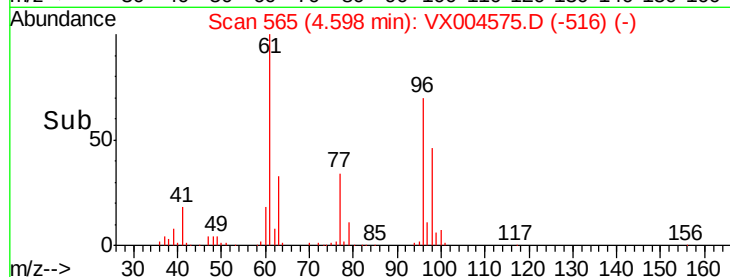
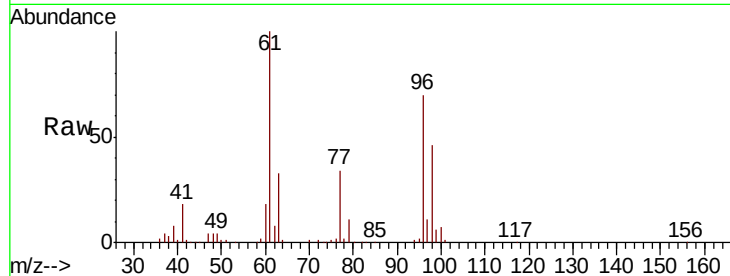
cis-1,2-Dichloroethene
Concen: 50.29 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	282.6
98	65.0	0.0	130.2

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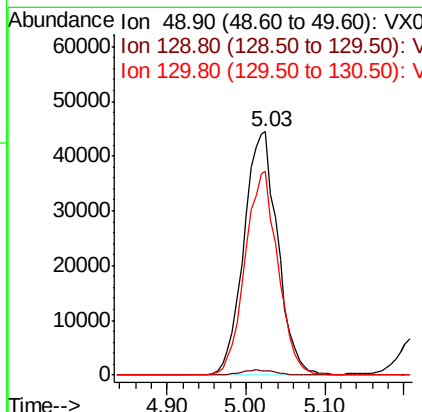
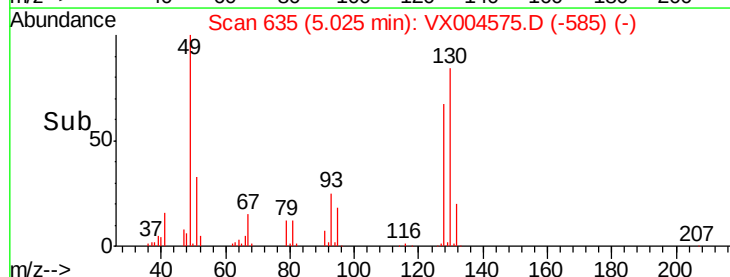
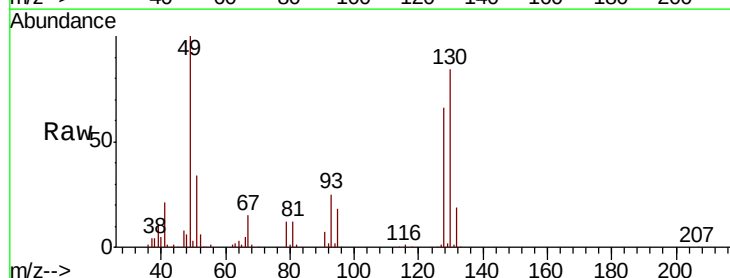
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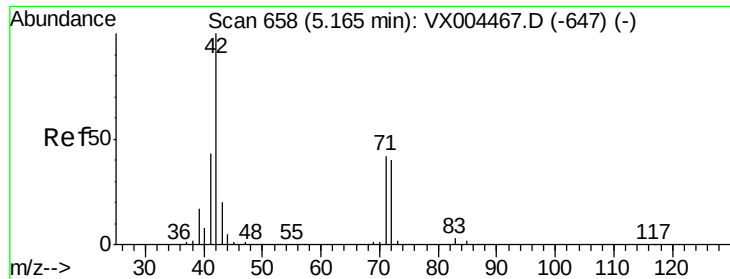


#28

Bromochloromethane
Concen: 50.38 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	81.5	67.5	101.3





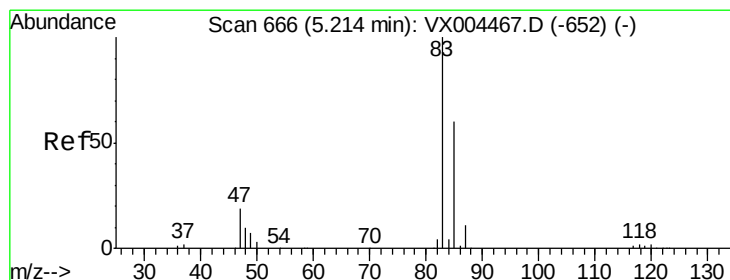
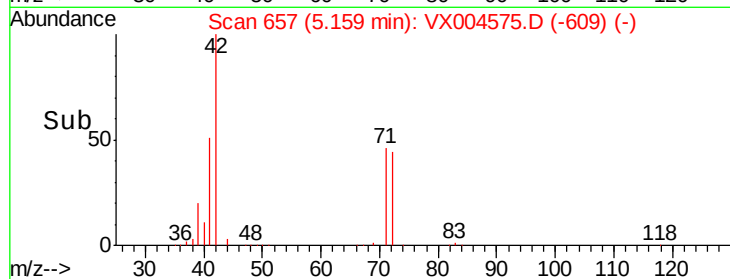
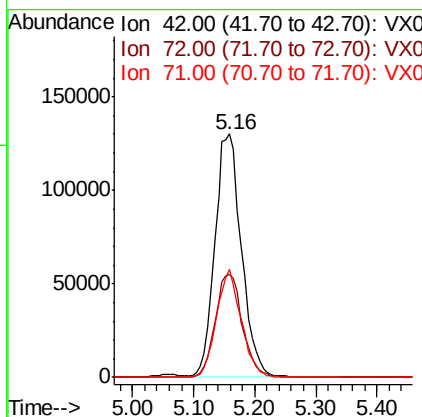
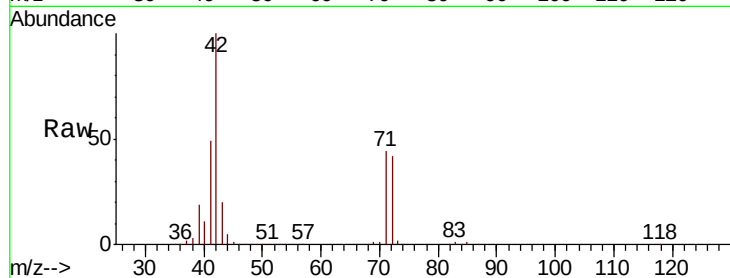
#29
Tetrahydrofuran
Concen: 247.14 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	37.4	56.0
71	41.4	34.5	51.7

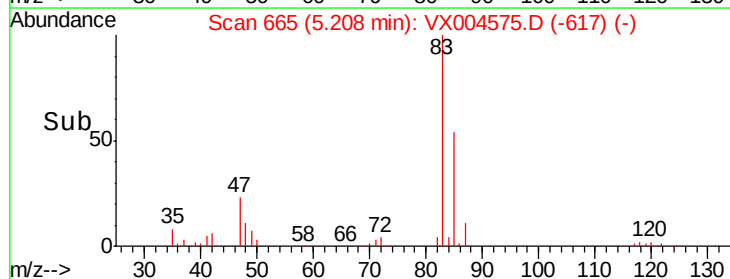
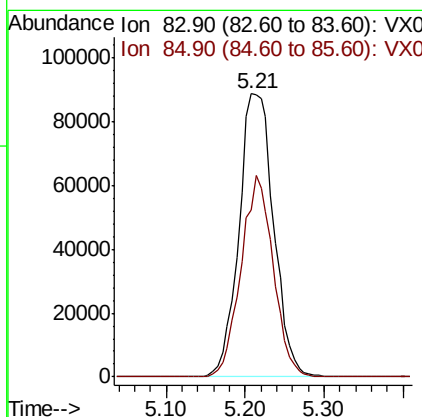
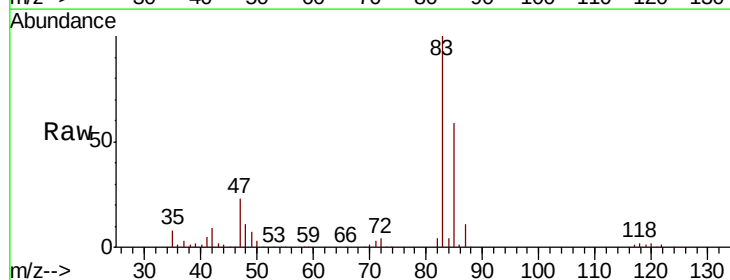
Manual Integrations
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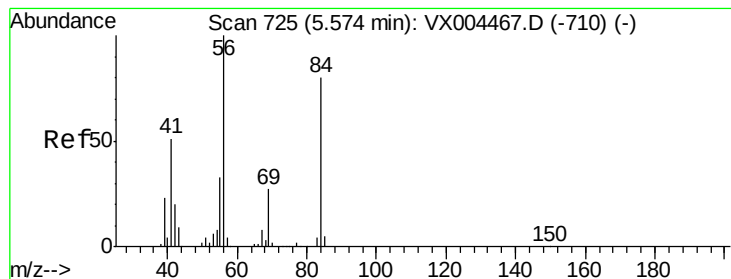
MMDadoda
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#30
Chloroform
Concen: 48.44 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.0	52.6	79.0





#31

Cyclohexane

Concen: 50.15 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

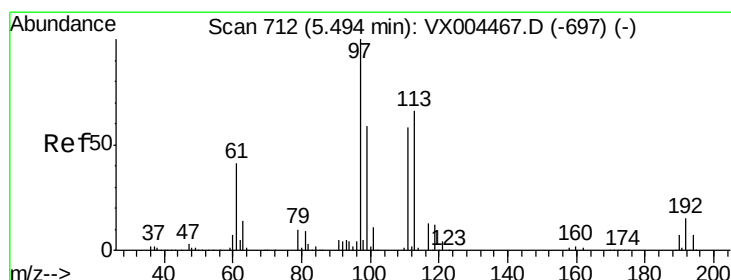
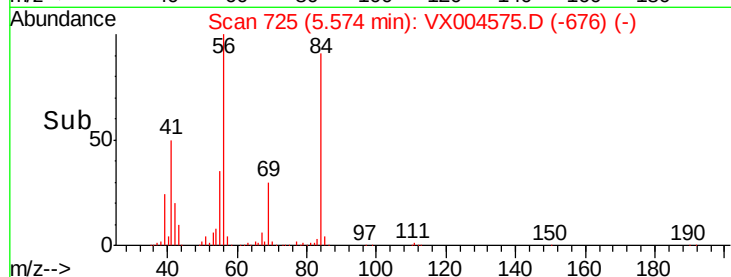
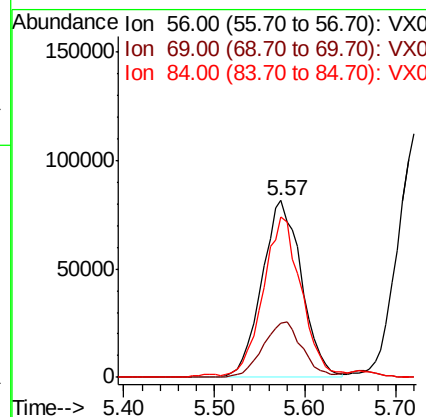
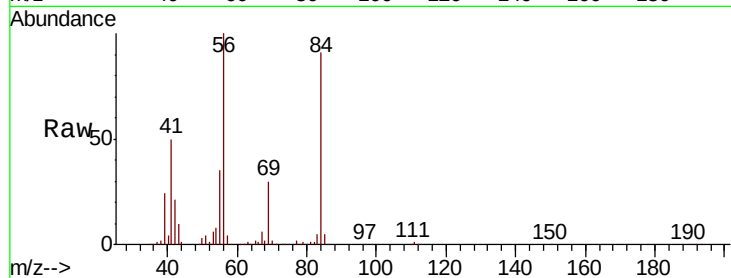
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	246446
Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.4	38.2
84	90.1	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 49.88 ug/l

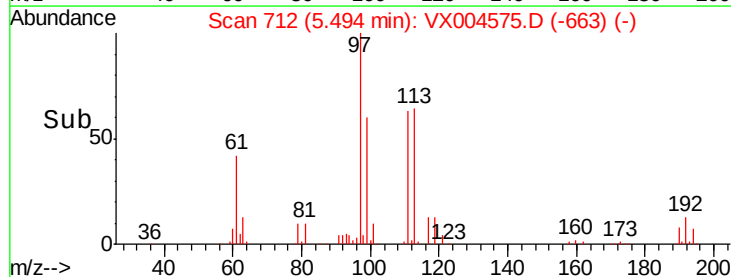
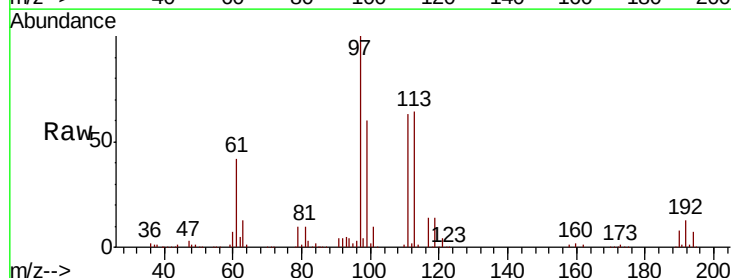
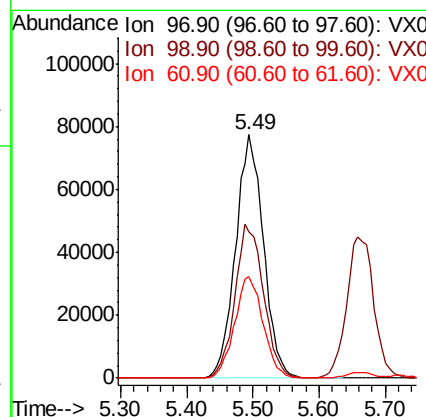
RT: 5.49 min Scan# 712

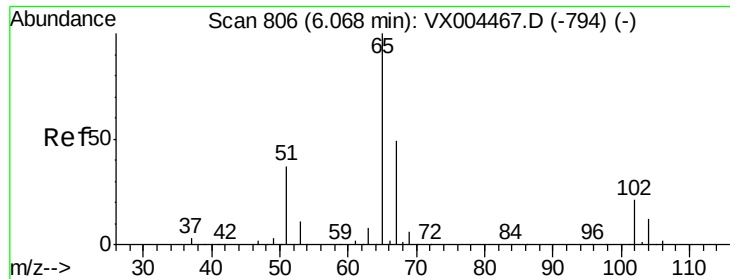
Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion:	97	Resp:	225754
Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	42.8	34.9	52.3





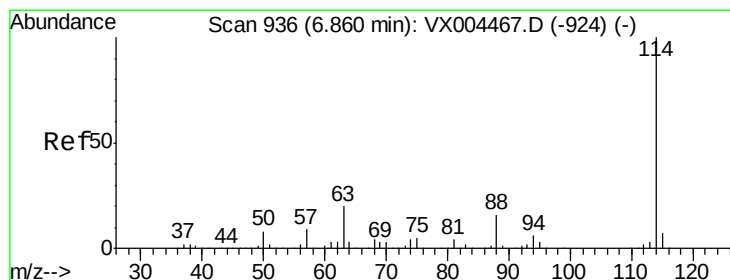
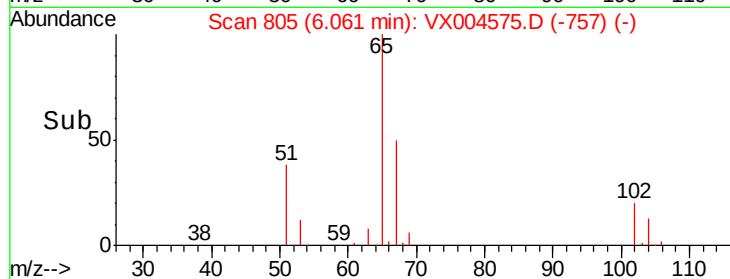
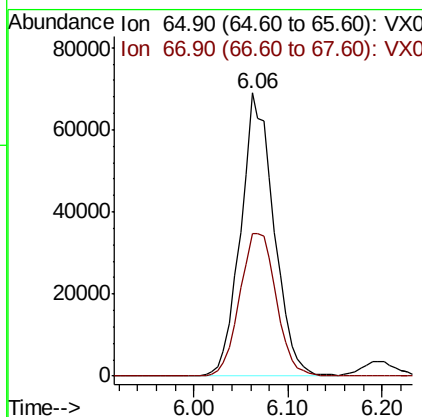
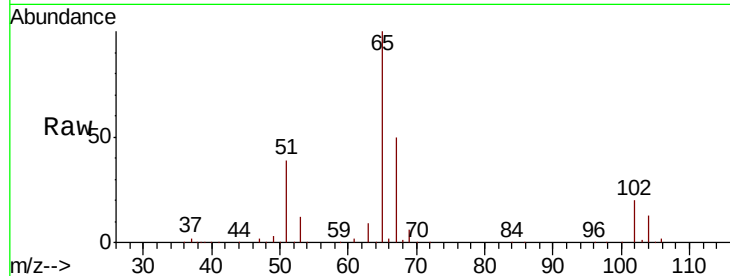
#33
 1,2-Dichloroethane-d4
 Concen: 50.00 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	169869		
67	55.4	0.0	106.8	

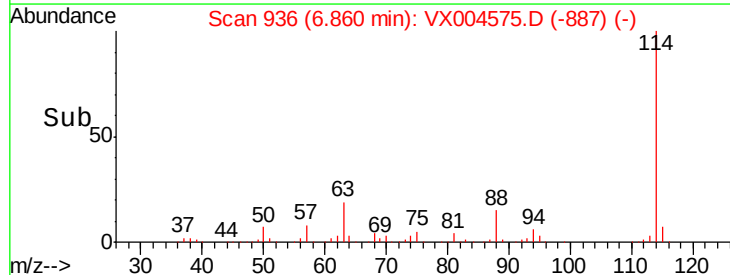
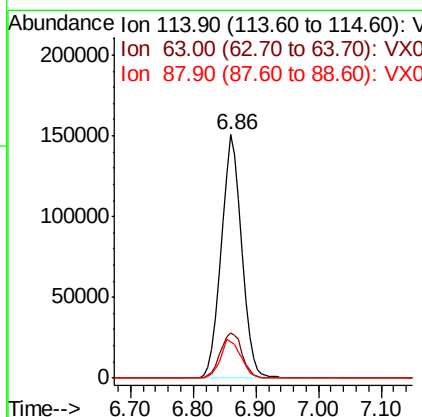
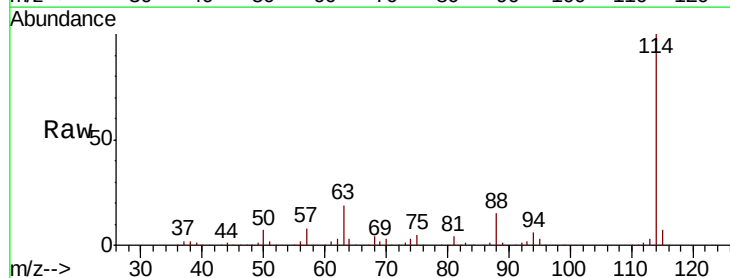
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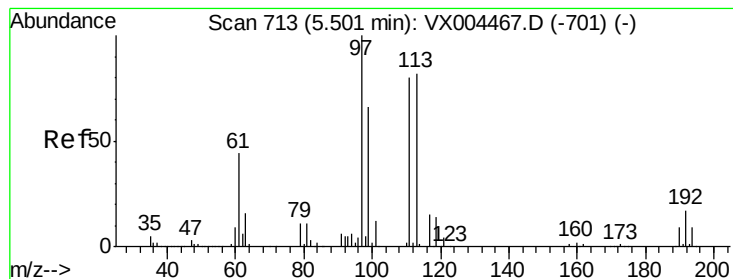
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	340047		
63	18.7	0.0	39.0	
88	15.0	0.0	30.4	





#35

Dibromofluoromethane

Concen: 50.51 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

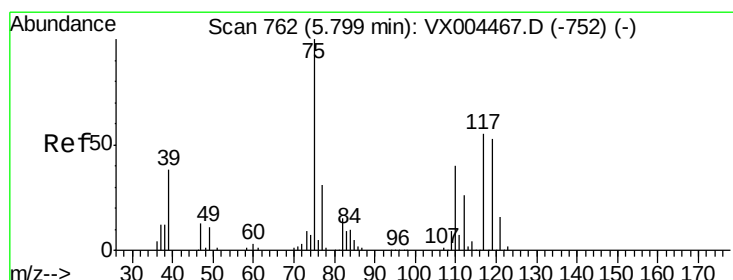
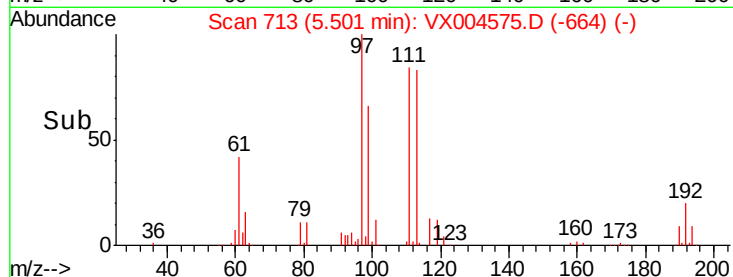
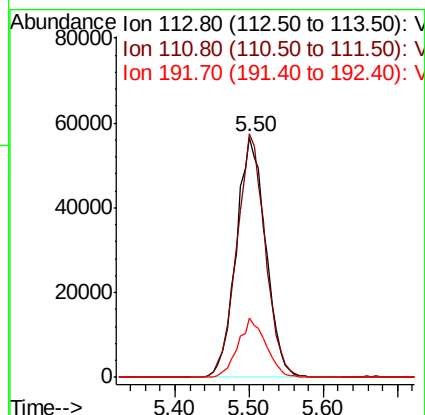
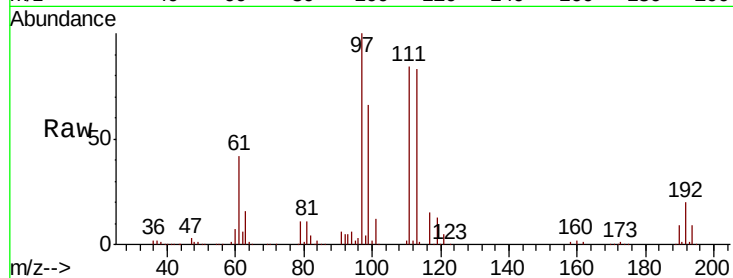
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	157161
Ion Ratio	Lower	Upper	
113	100		
111	98.2	82.4	123.6
192	23.4	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.67 ug/l

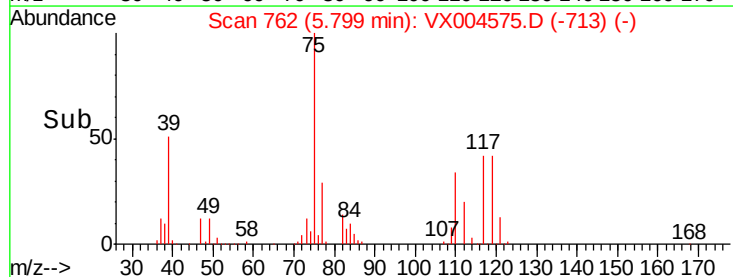
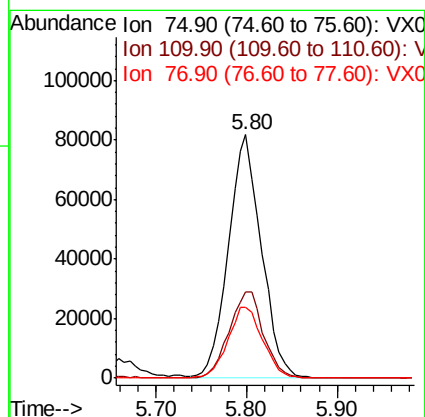
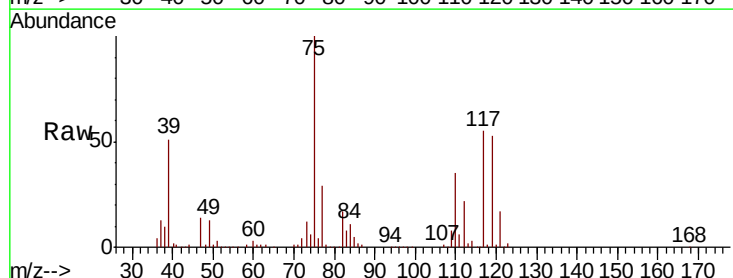
RT: 5.80 min Scan# 762

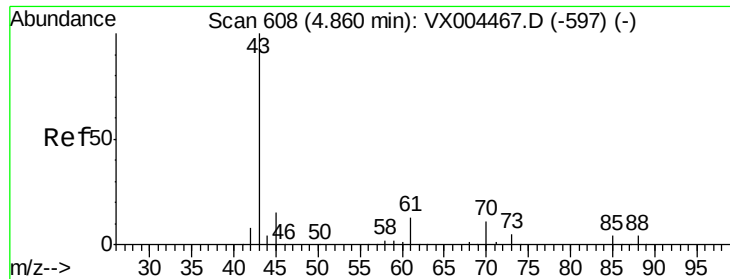
Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion:	75	Resp:	205051
Ion Ratio	Lower	Upper	
75	100		
110	37.3	18.0	54.0
77	31.1	24.6	36.8





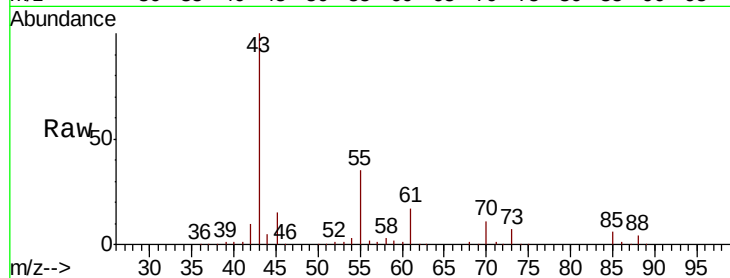
#37
Ethyl Acetate
Concen: 45.66 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	214406
Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.5	17.3
70	11.5	9.0	13.6

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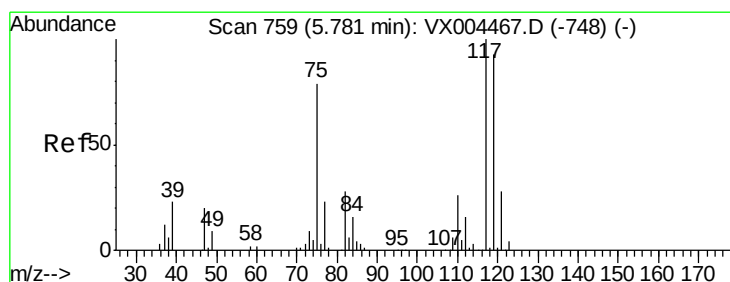
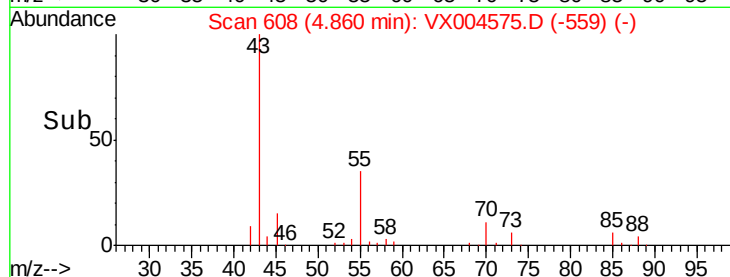
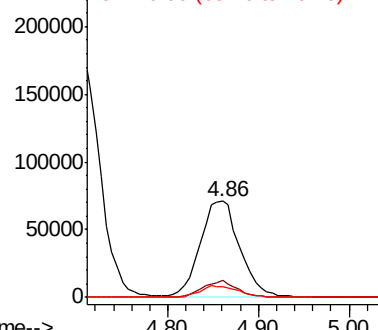


Abundance

Ion 43.00 (42.70 to 43.70): VX0

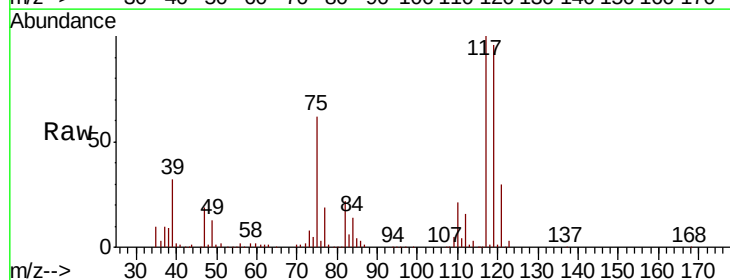
Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38
Carbon Tetrachloride
Concen: 49.52 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion:	117	Resp:	199664
Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.8	118.2
121	29.6	24.9	37.3

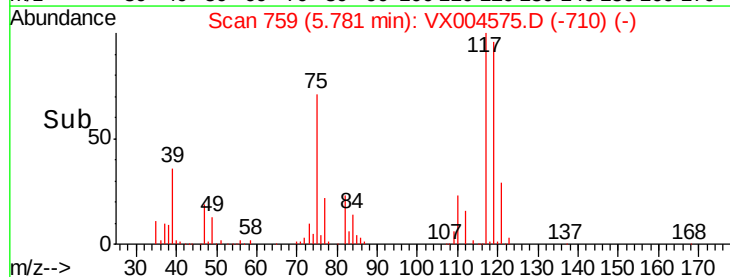
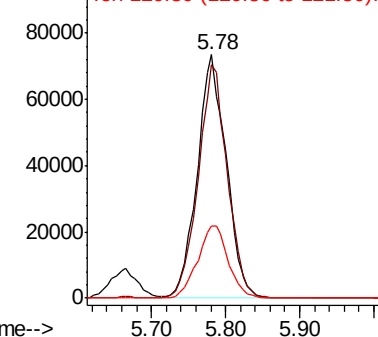


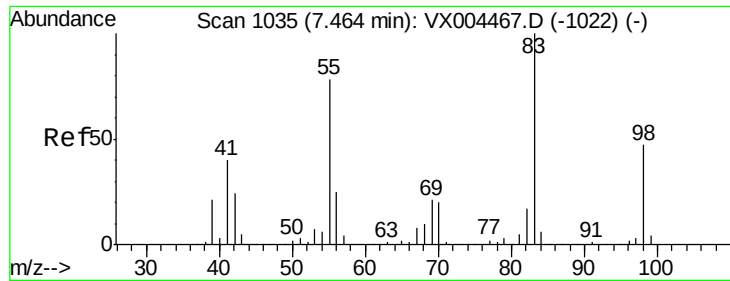
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





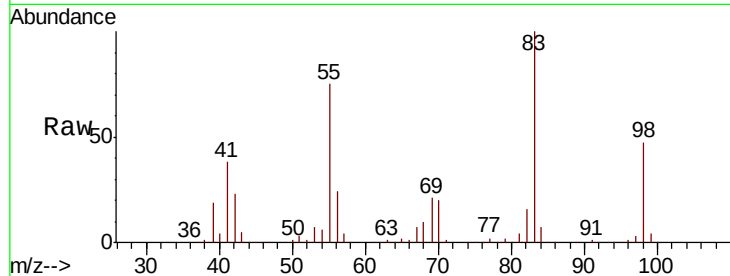
#39
Methylvlcyclohexane
Concen: 48.75 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.8	61.0	91.4	
98	47.4	39.6	59.4	

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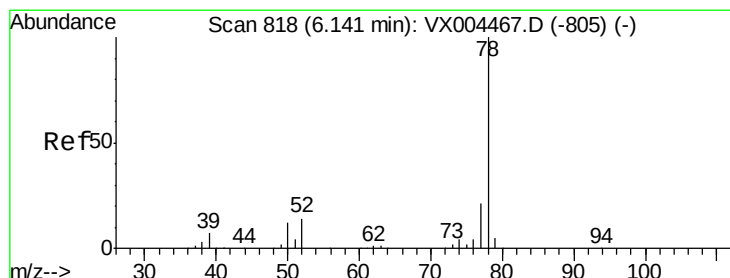
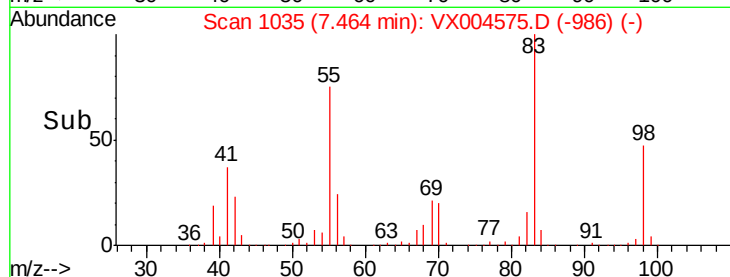
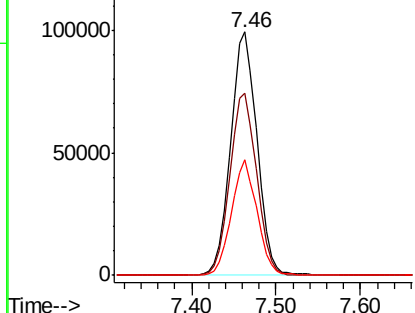


Abundance

Ion 83.00 (82.70 to 83.70): VX0

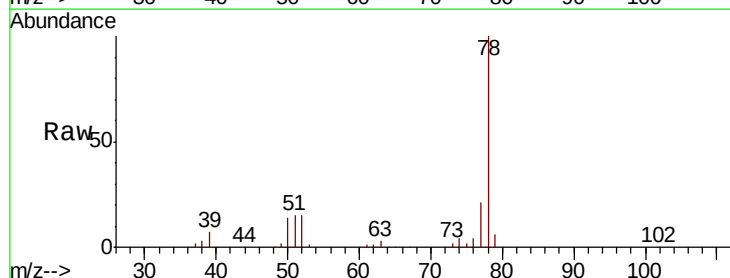
Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0



#40
Benzene
Concen: 50.98 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

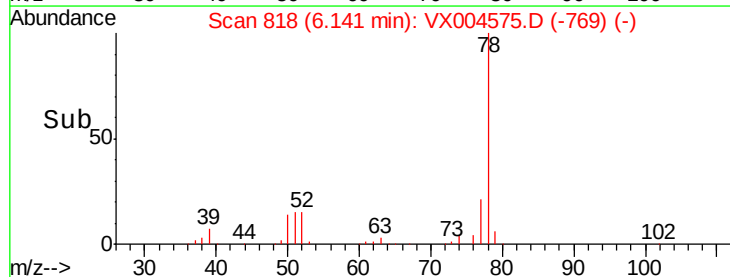
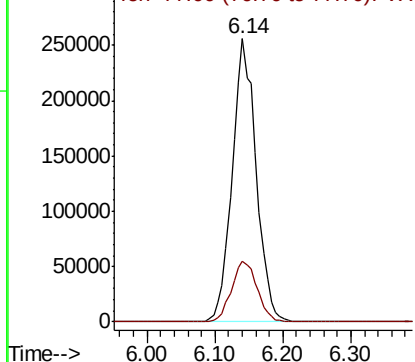
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	21.5	19.0	28.4	

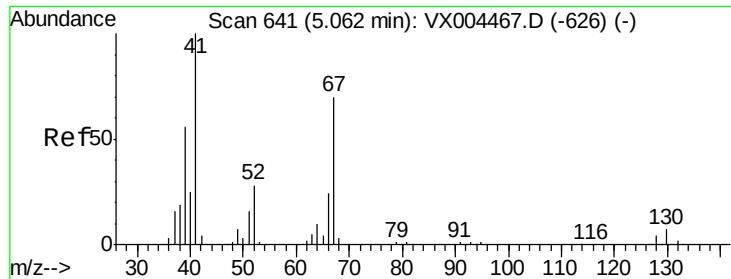


Abundance

Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





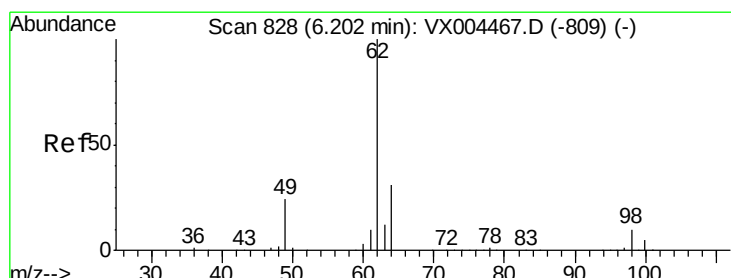
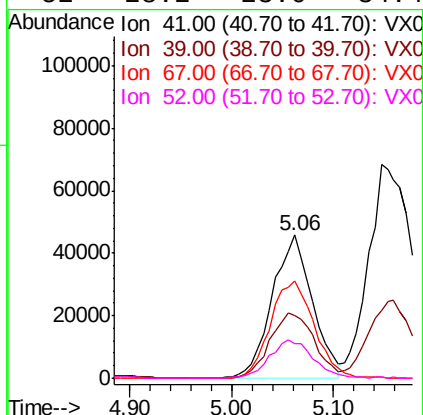
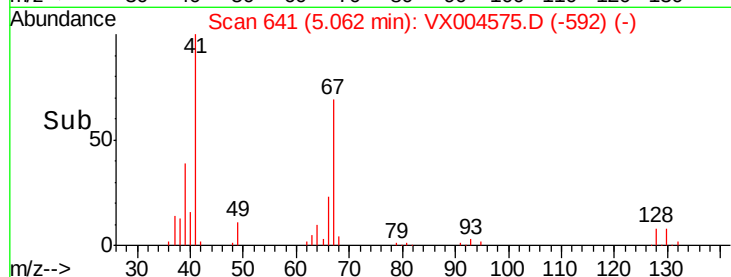
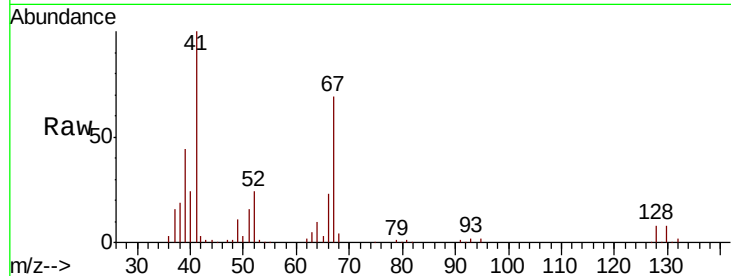
#41
Methacrylonitrile
Concen: 48.51 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.3	42.4	63.6	
67	74.7	59.2	88.8	
52	28.2	23.0	34.4	

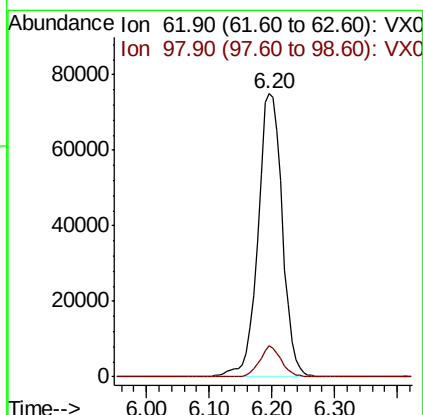
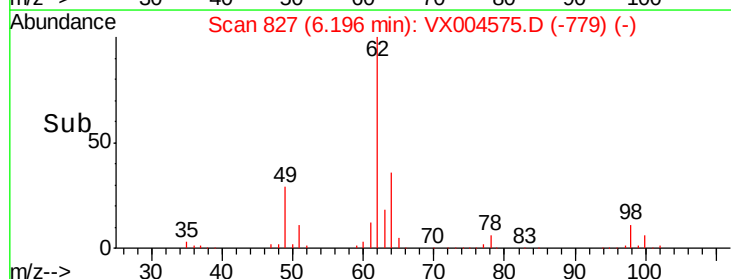
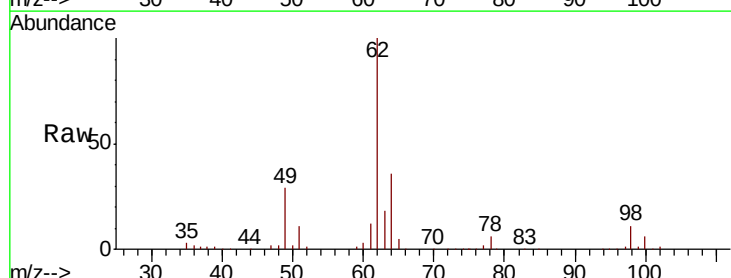
Manual Integrations
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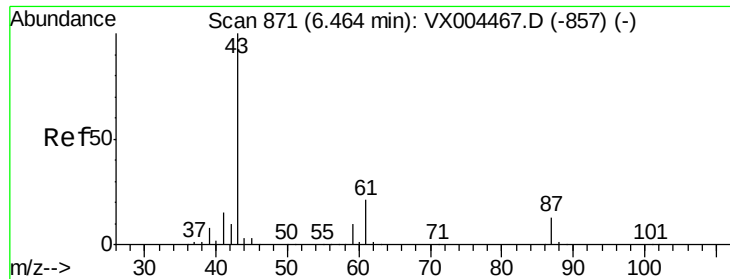
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.45 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	0.0	20.6	





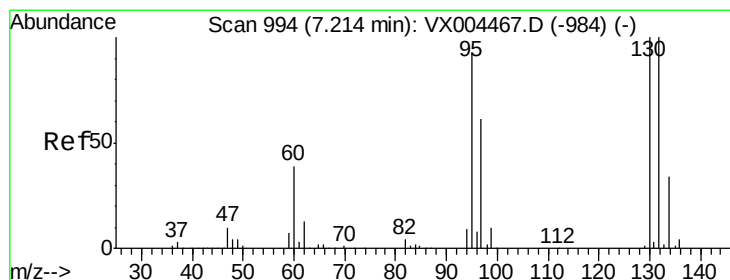
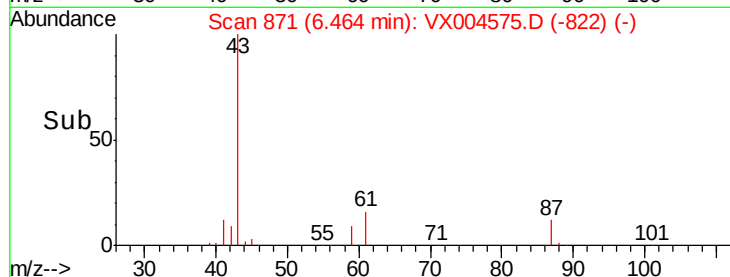
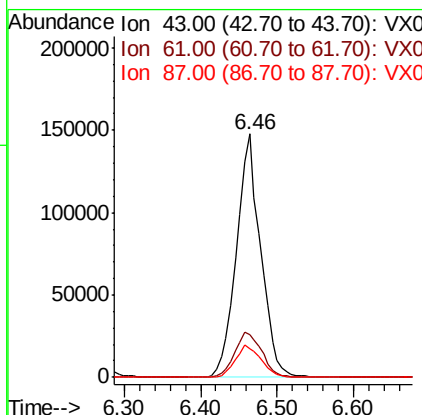
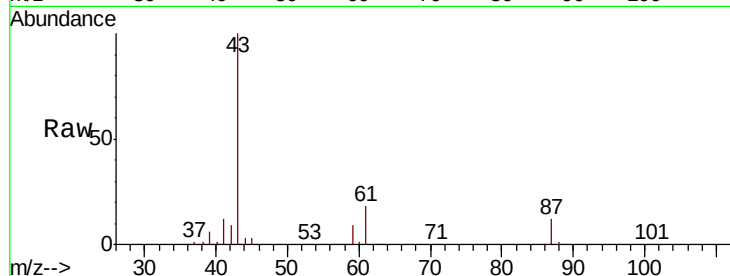
#43
Isopropyl Acetate
Concen: 51.93 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	17.0	25.4
87	13.9	11.4	17.2

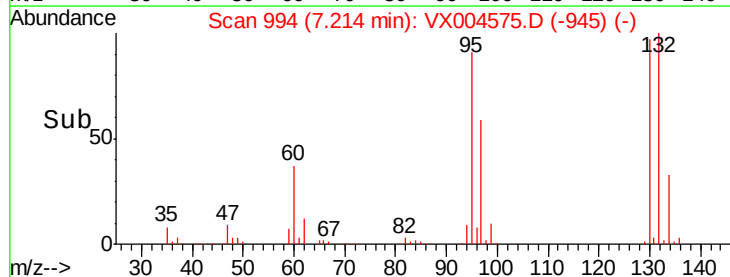
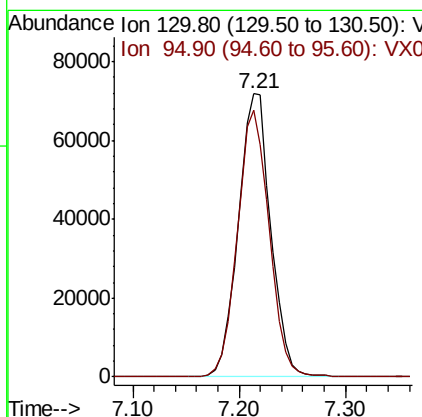
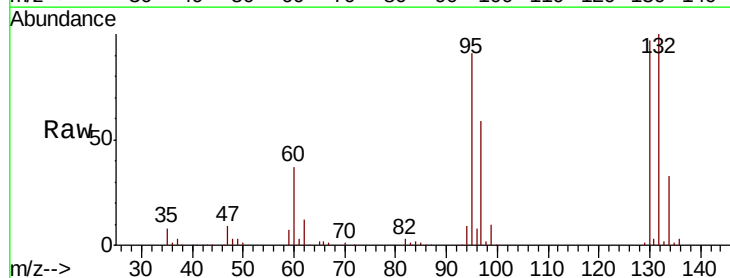
Manual Integrations
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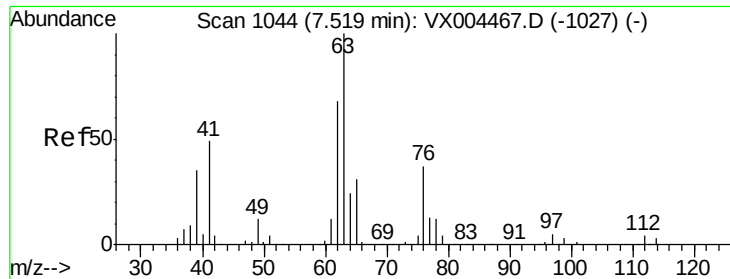
MMDadoda
9/17/2018 5:09:32 PM



#44
Trichloroethene
Concen: 48.35 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	181.6





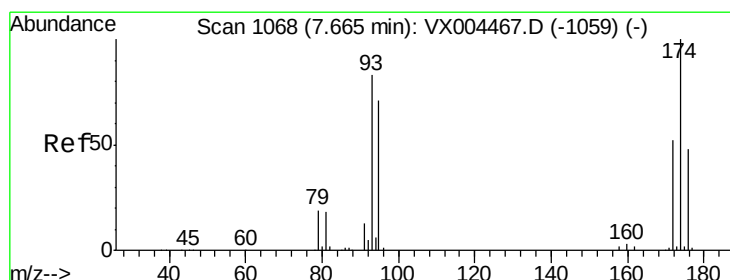
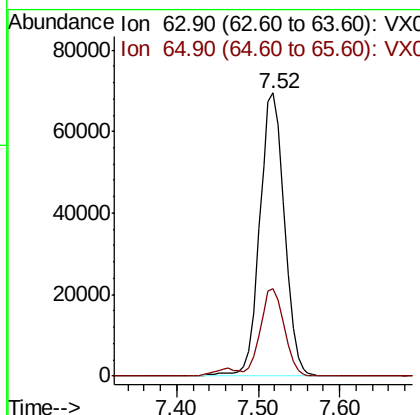
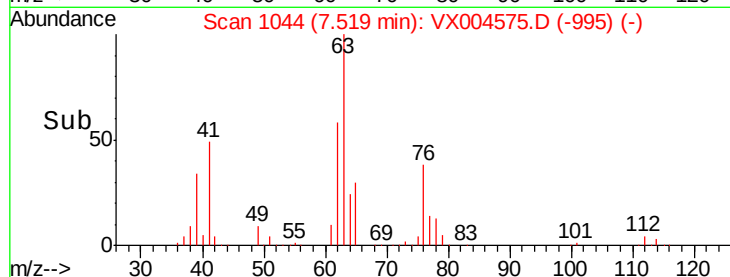
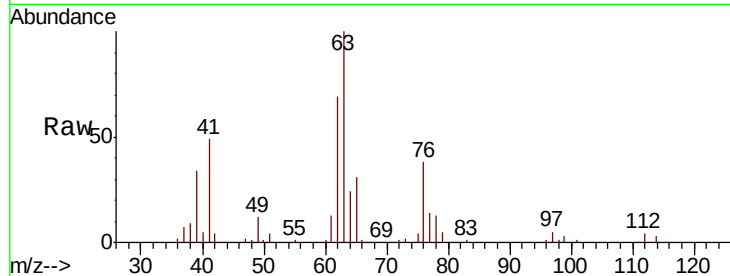
#45
 1,2-Dichloropropane
 Concen: 50.04 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.3	36.5

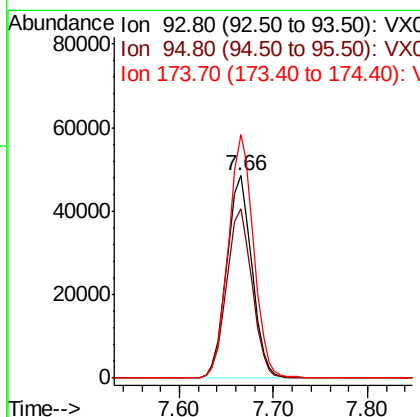
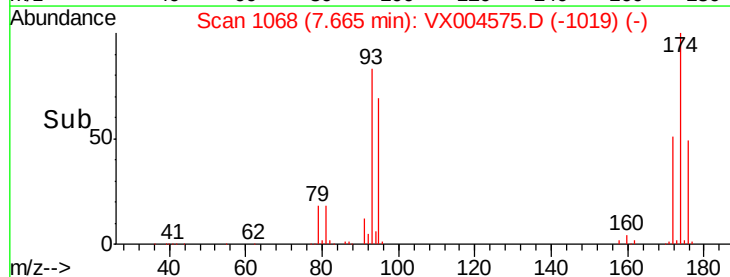
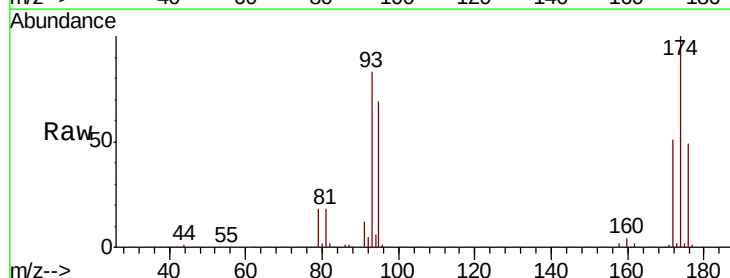
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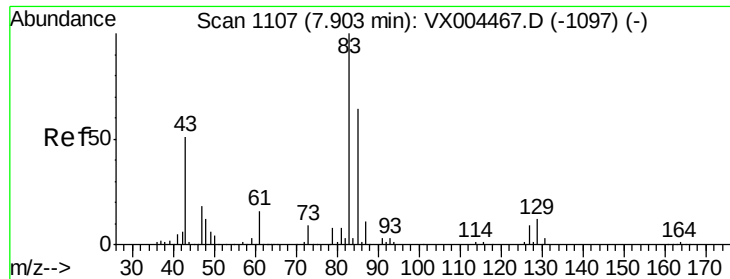
MMDadoda
 9/17/2018 5:09:32 PM



#46
 Dibromomethane
 Concen: 48.59 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.5	98.3
174	120.1	94.2	141.4





#47

Bromodichloromethane

Concen: 49.88 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

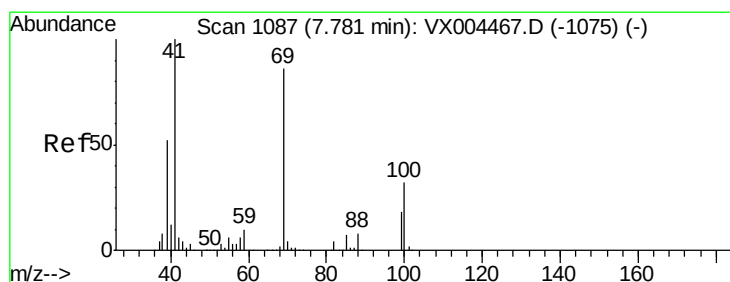
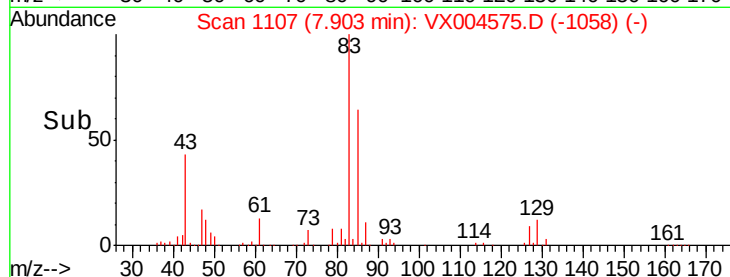
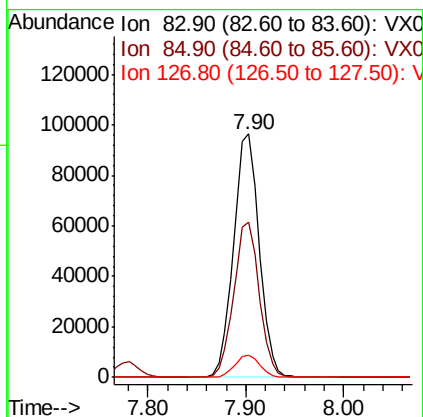
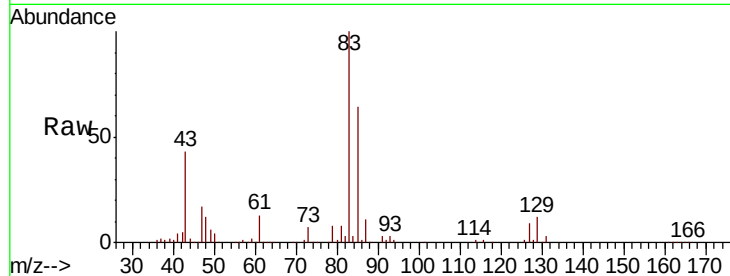
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	175647
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.9	76.3
127	9.1	7.3	10.9

Manual Integrations
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9/17/2018 5:09:32 PM



#48

Methyl methacrylate

Concen: 50.46 ug/l

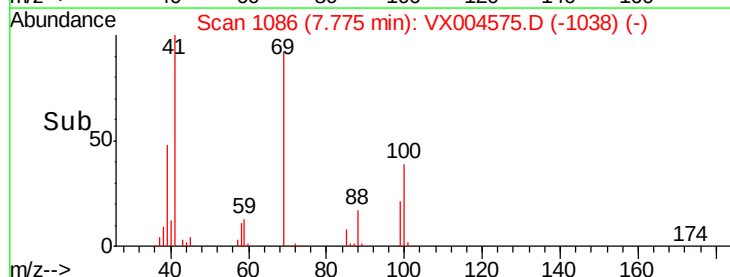
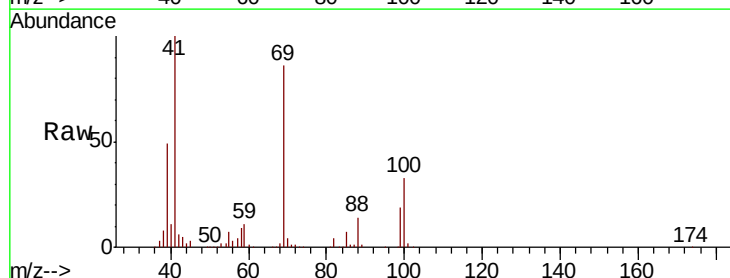
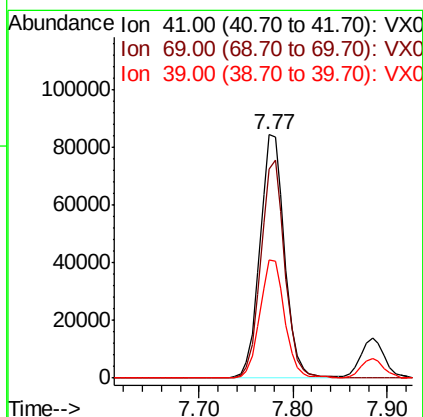
RT: 7.77 min Scan# 1086

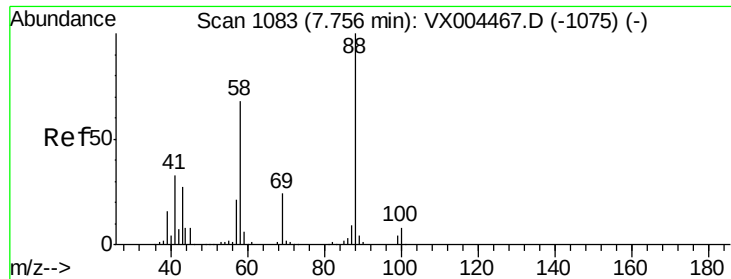
Delta R.T. -0.01 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion:	41	Resp:	155728
Ion Ratio	Lower	Upper	
41	100		
69	87.4	70.2	105.4
39	49.0	42.7	64.1





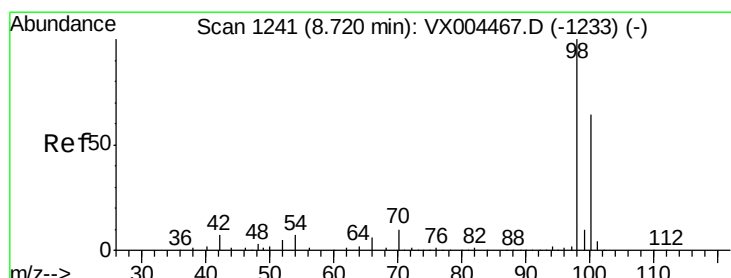
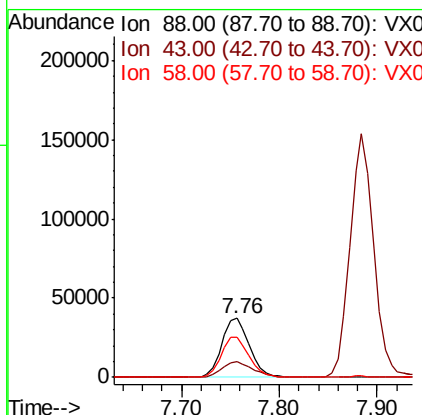
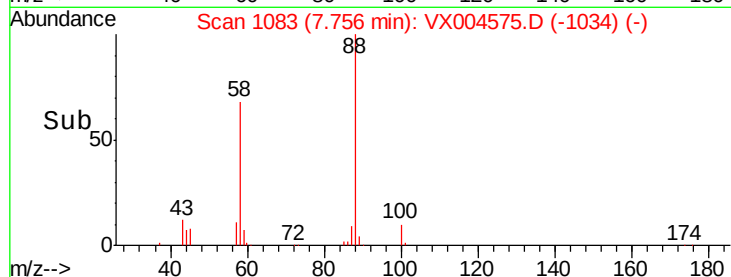
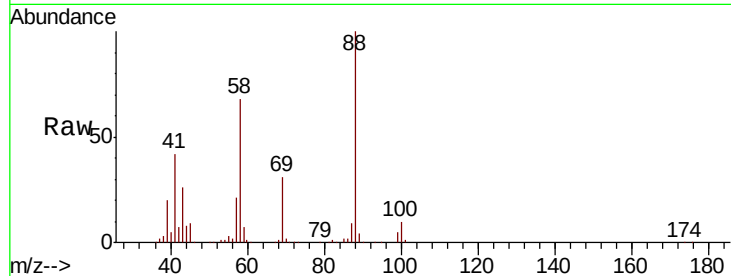
#49
1,4-Dioxane
Concen: 988.73 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.7	37.1
58	69.5	55.3	82.9

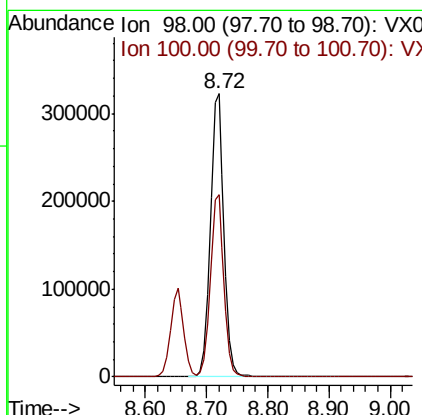
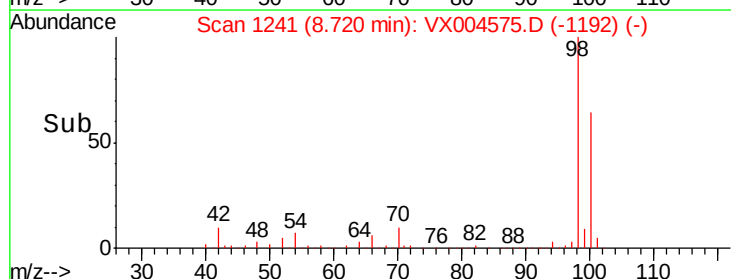
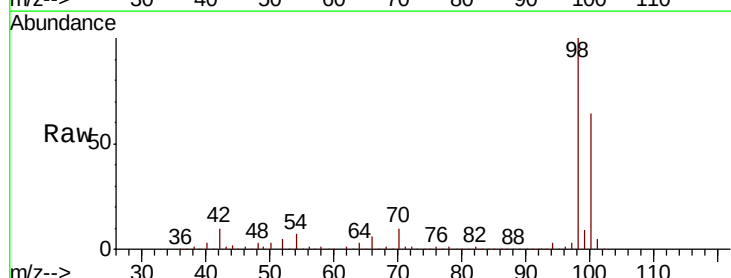
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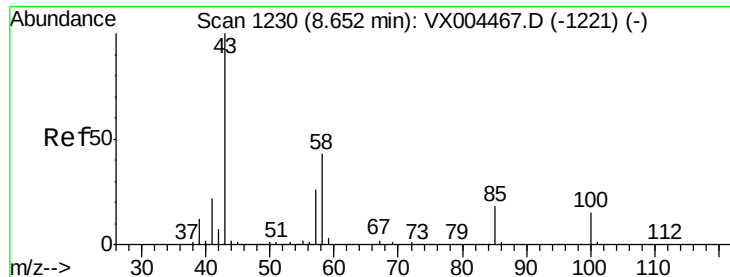
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#50
Toluene-d8
Concen: 48.74 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.9	79.3





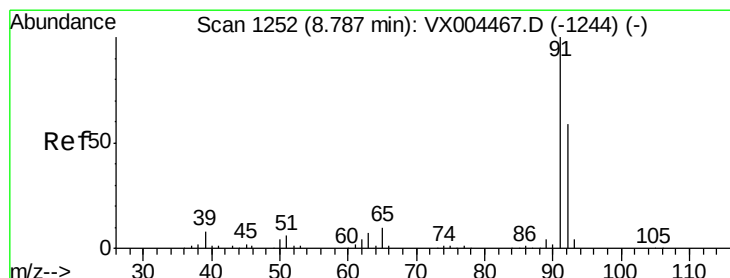
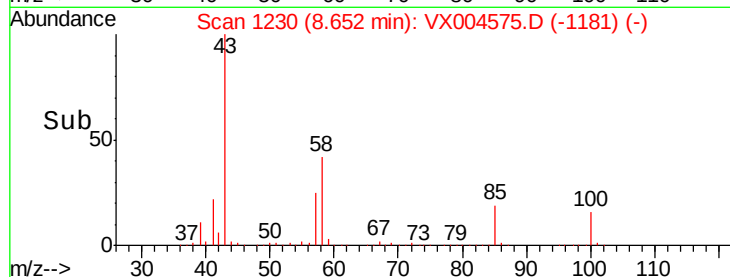
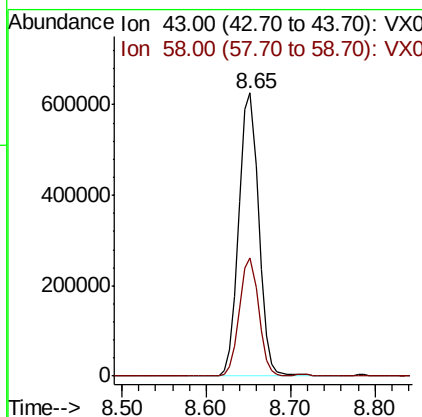
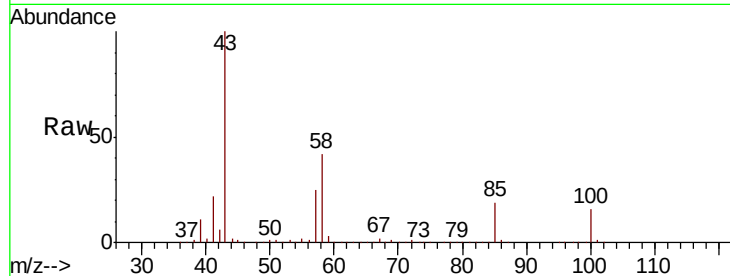
#51
4-Methyl-2-Pentanone
Concen: 224.88 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.1	49.7

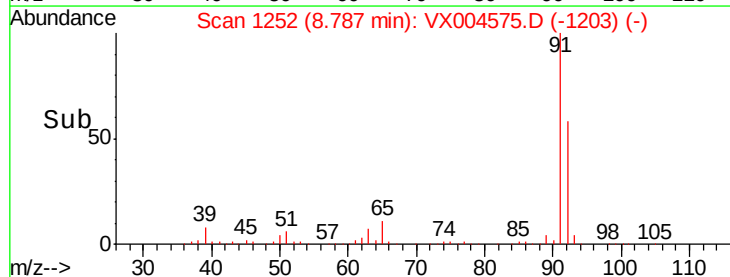
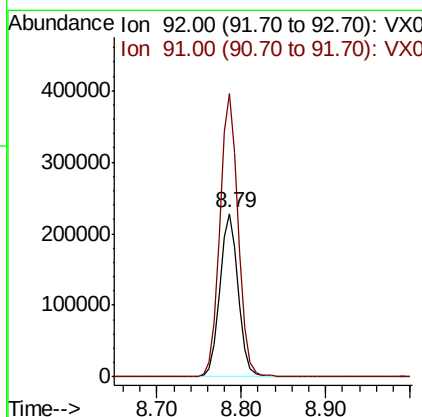
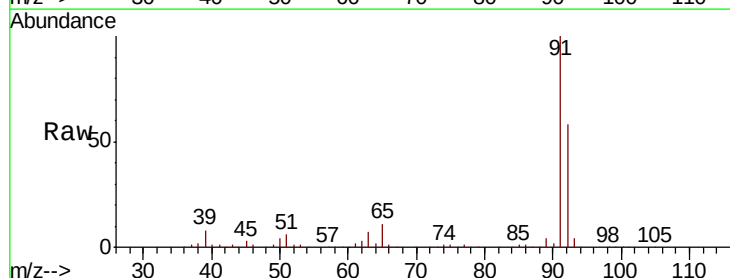
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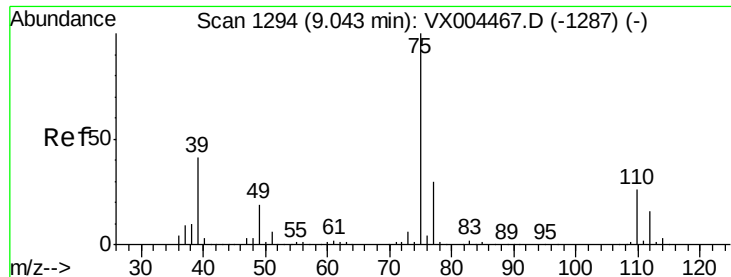
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#52
Toluene
Concen: 47.49 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	136.4	204.6





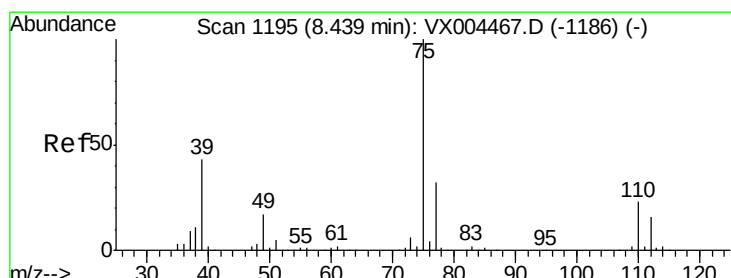
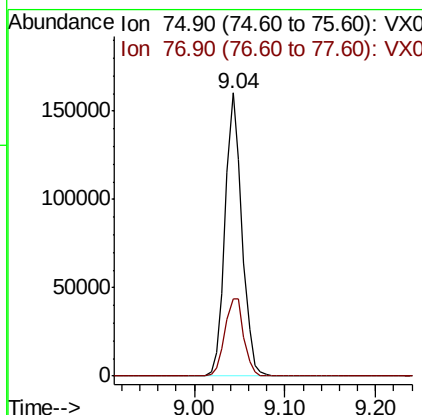
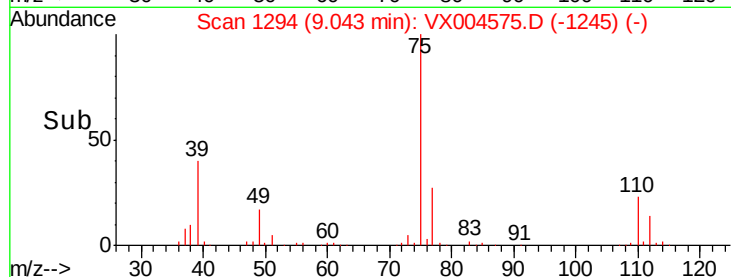
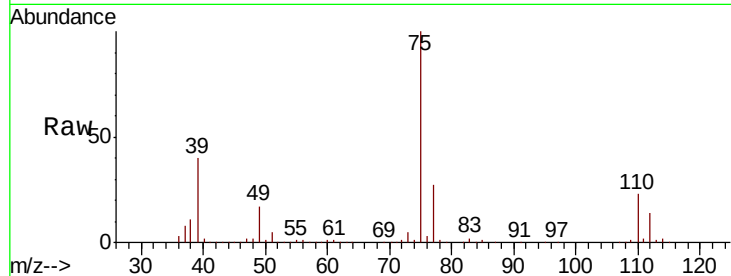
#53
 t-1,3-Dichloropropene
 Concen: 50.17 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 206360
 Ion Ratio Lower Upper
 75 100
 77 27.3 24.6 37.0

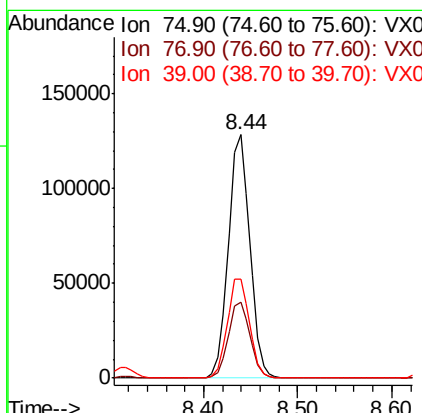
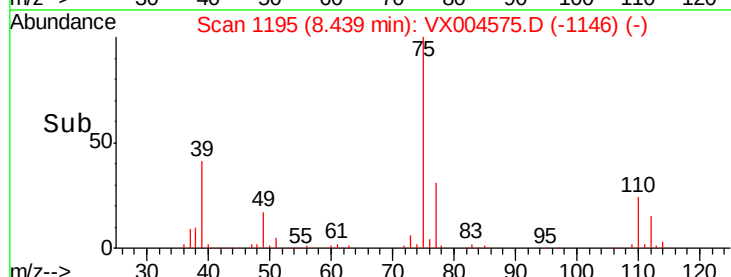
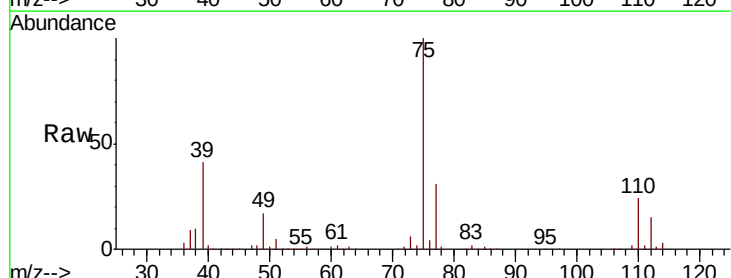
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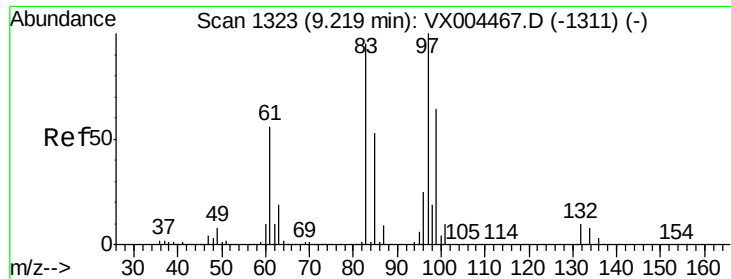
MMDadoda
 9/17/2018 5:09:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 48.36 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Tgt Ion: 75 Resp: 202801
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.2 39.2
 39 40.9 36.4 54.6





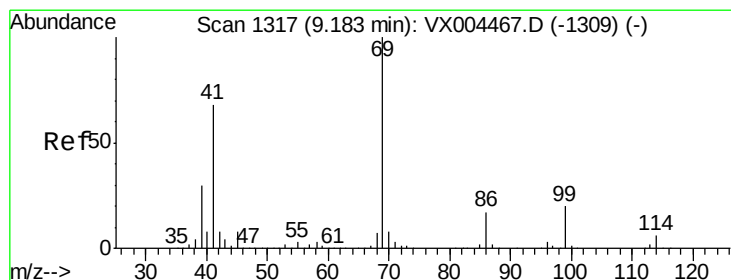
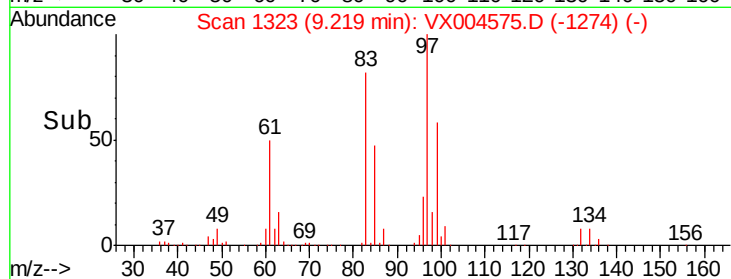
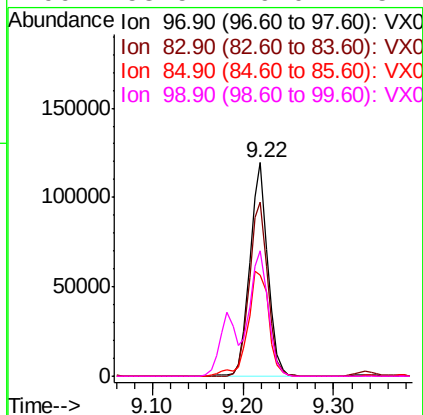
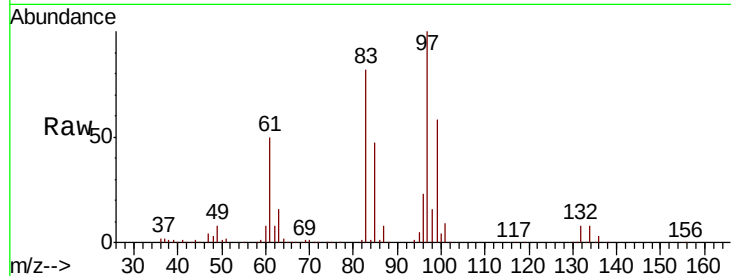
#55
 1,1,2-Trichloroethane
 Concen: 52.38 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		162771		
83	81.8	66.4	99.6		
85	47.5	43.3	64.9		
99	58.5	49.0	73.4		

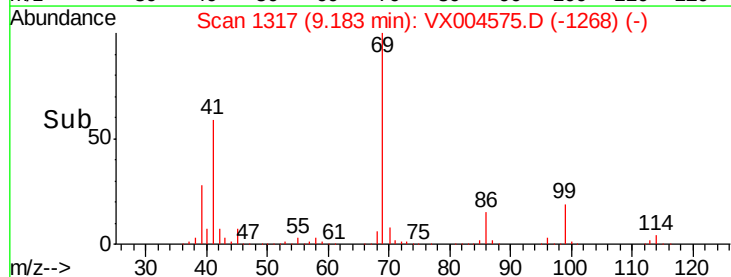
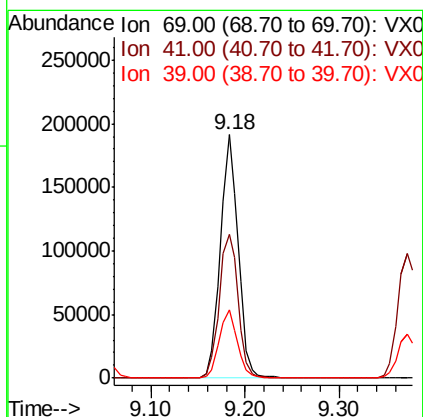
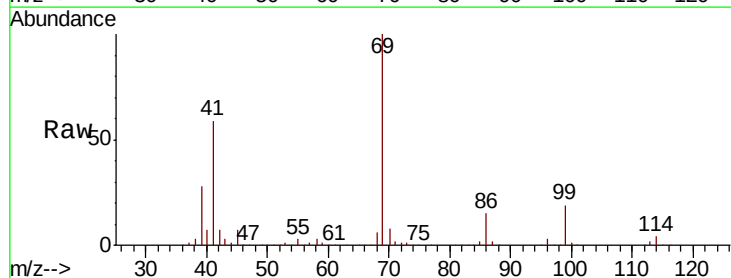
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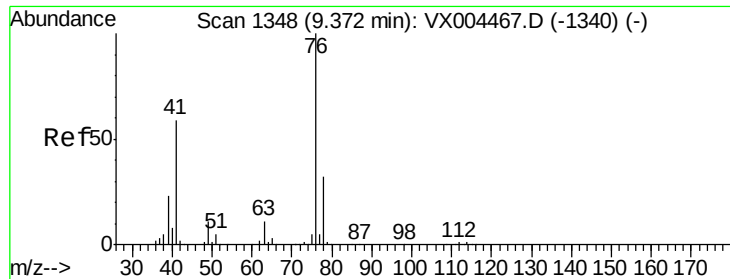
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#56
 Ethyl methacrylate
 Concen: 57.03 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		250710		
41	62.7	51.0	76.4		
39	28.6	26.1	39.1		





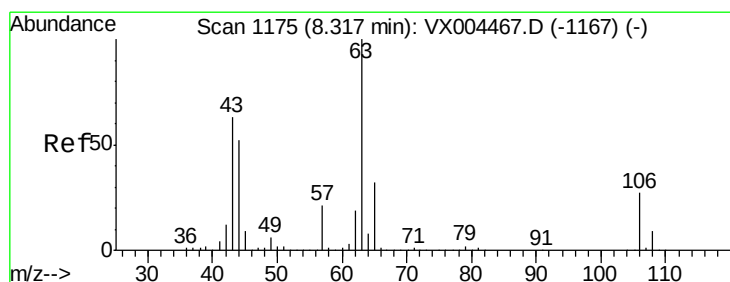
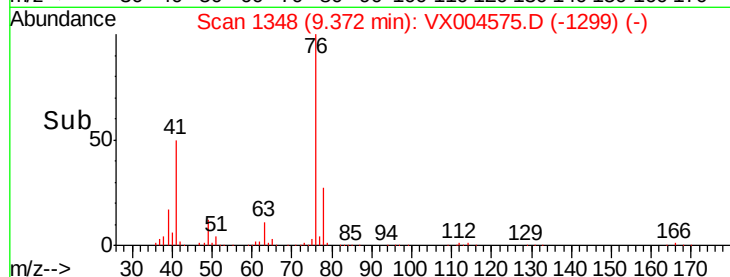
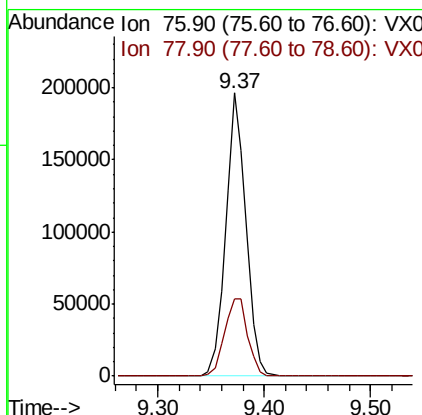
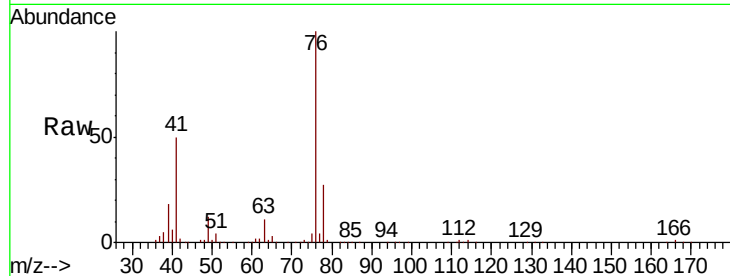
#57
 1,3-Dichloropropane
 Concen: 51.47 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.5	38.3

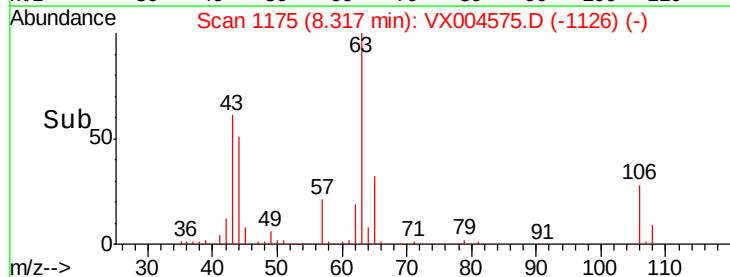
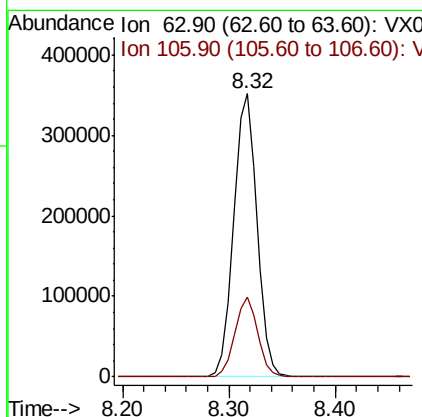
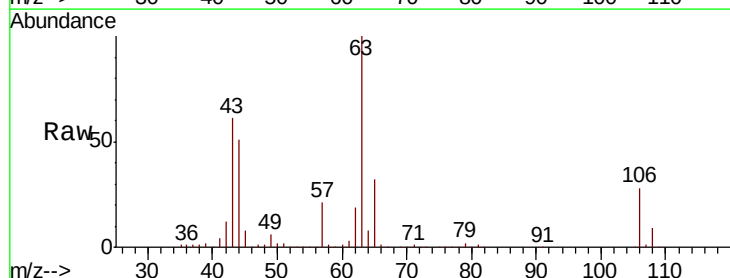
Manual Integrations
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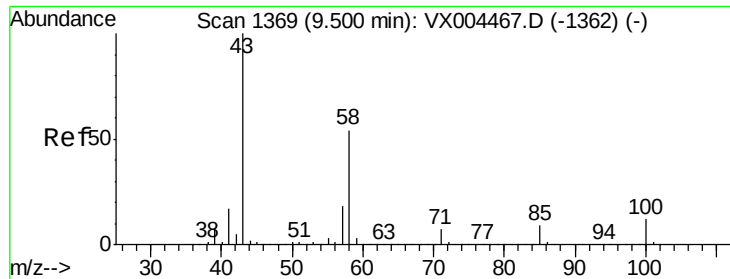
MMDadoda
 9/17/2018 5:09:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.09 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	23.9	35.9





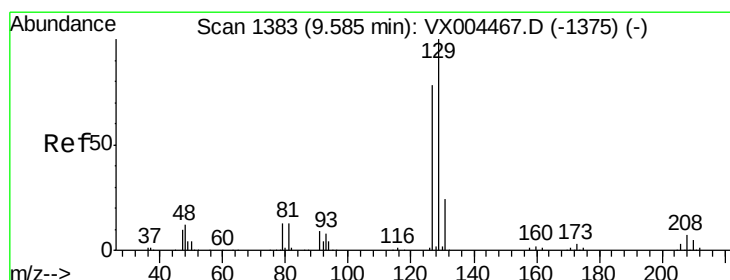
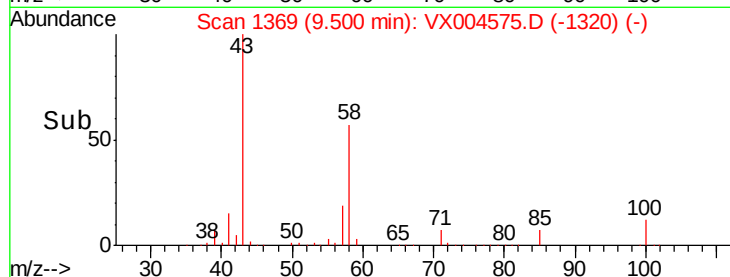
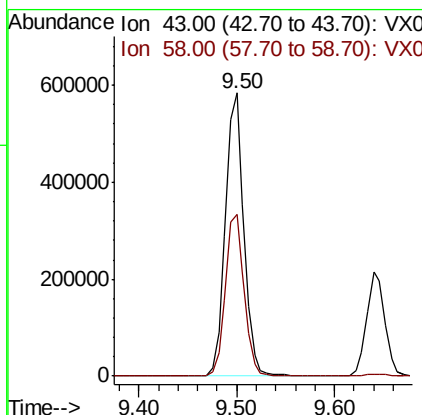
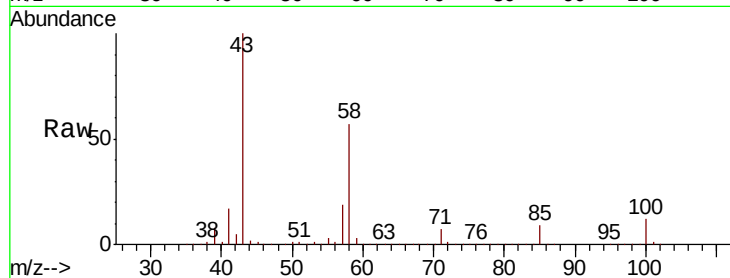
#59
2-Hexanone
Concen: 226.50 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 764613
Ion Ratio Lower Upper
43 100
58 58.3 29.0 87.0

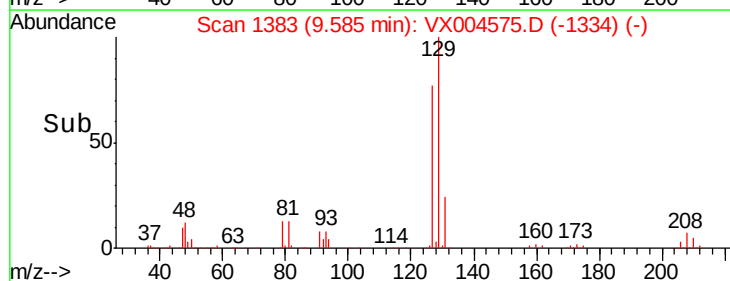
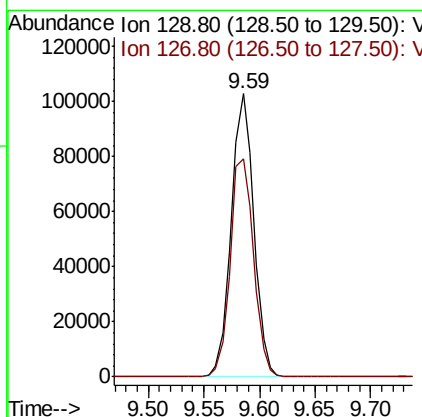
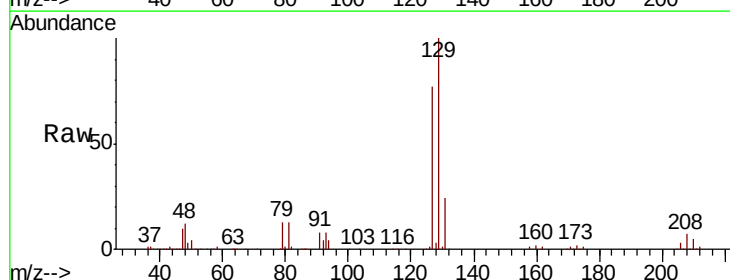
Manual Integrations
APPROVED

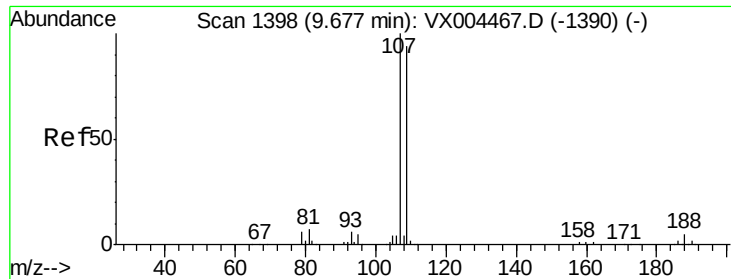
MMDadoda
9/17/2018 5:09:32 PM



#60
Dibromochloromethane
Concen: 49.28 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion: 129 Resp: 144173
Ion Ratio Lower Upper
129 100
127 79.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 48.50 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 143962

Ion Ratio Lower Upper

107 100

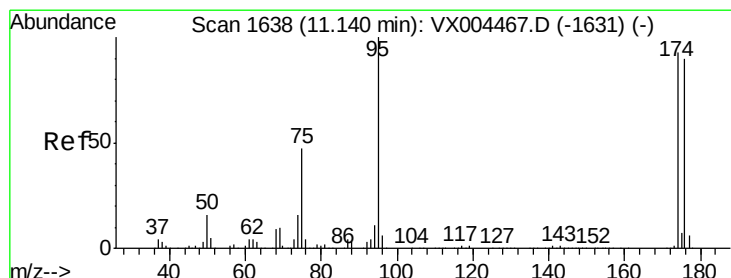
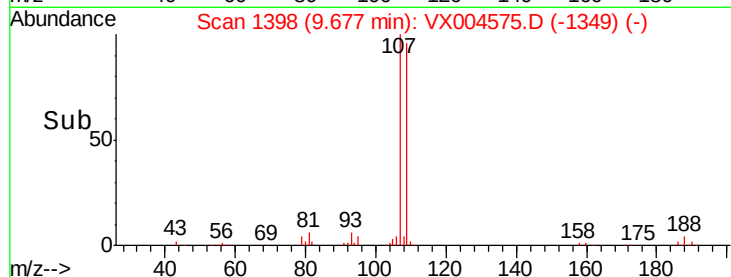
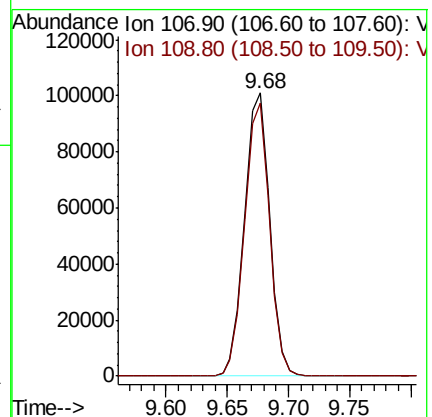
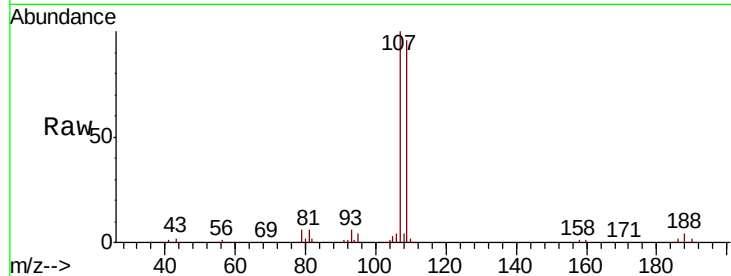
109 95.8 76.0 114.0

Manual Integrations

APPROVED

MMDadoda

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#62

4-Bromofluorobenzene

Concen: 49.55 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

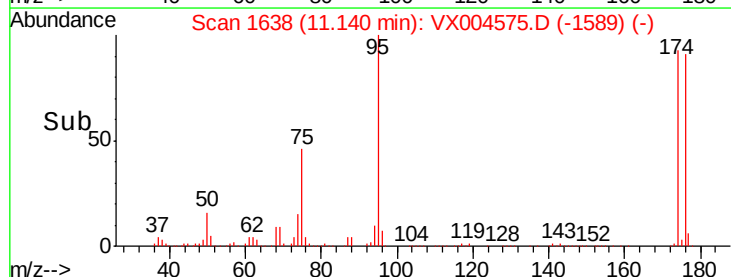
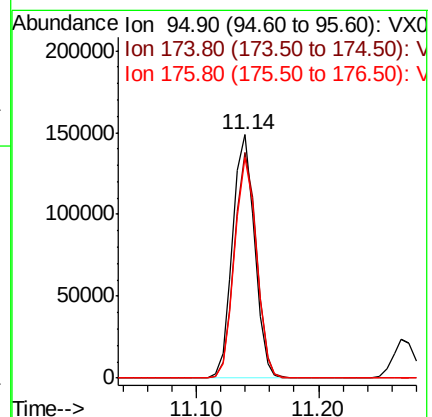
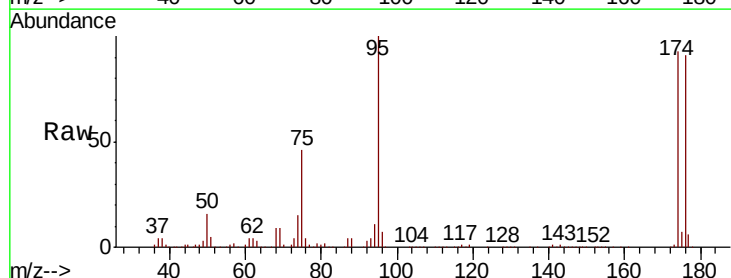
Tgt Ion: 95 Resp: 184588

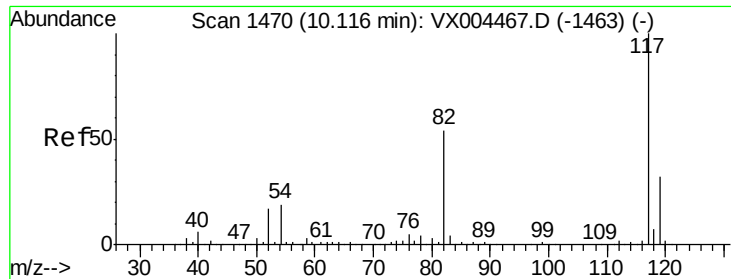
Ion Ratio Lower Upper

95 100

174 93.1 0.0 185.2

176 90.3 0.0 178.6





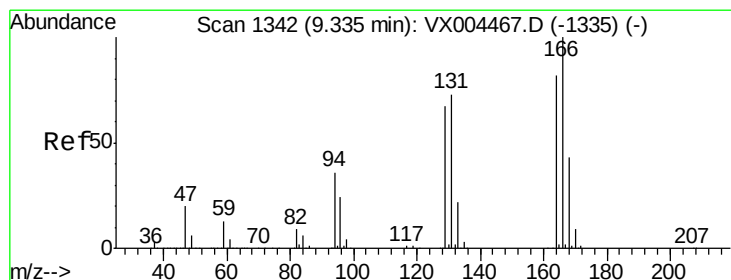
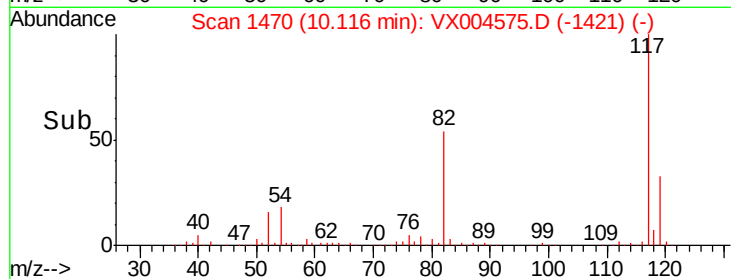
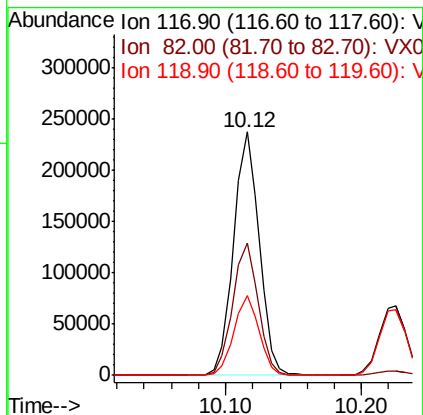
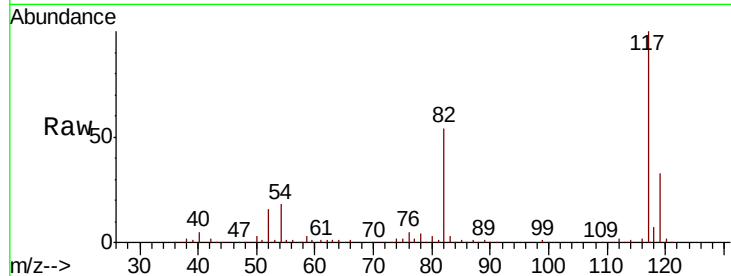
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	47.8	71.6
119	33.0	29.3	43.9

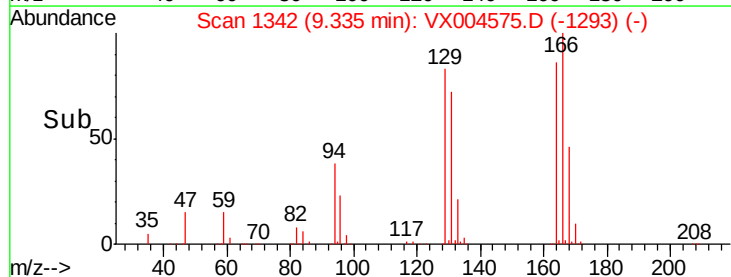
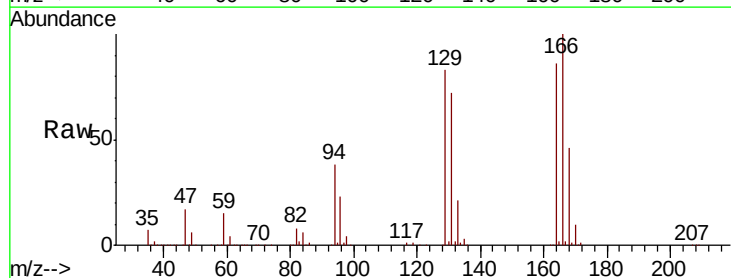
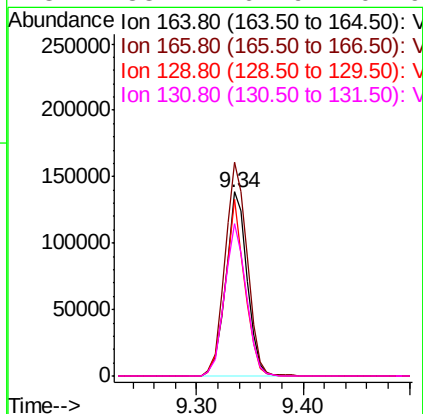
Manual Integrations
APPROVED

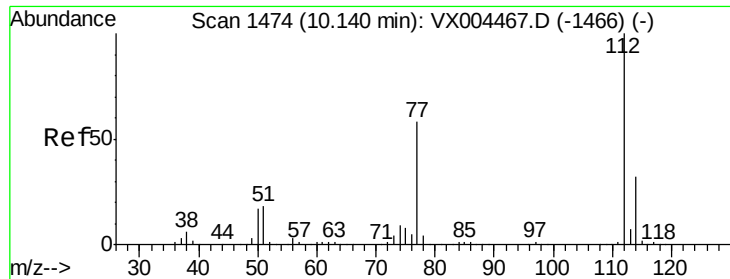
MMDadoda
9/17/2018 5:09:32 PM



#64
Tetrachloroethene
Concen: 49.92 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.2	102.8	154.2
129	96.4	69.4	104.0
131	83.2	67.9	101.9





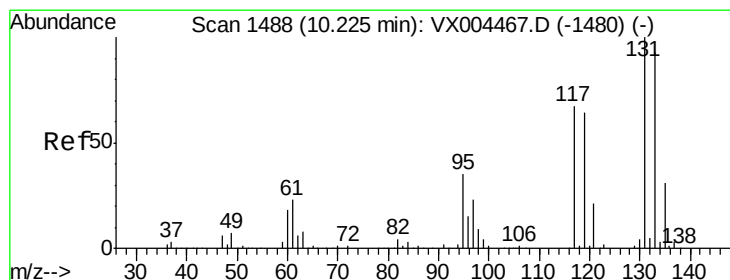
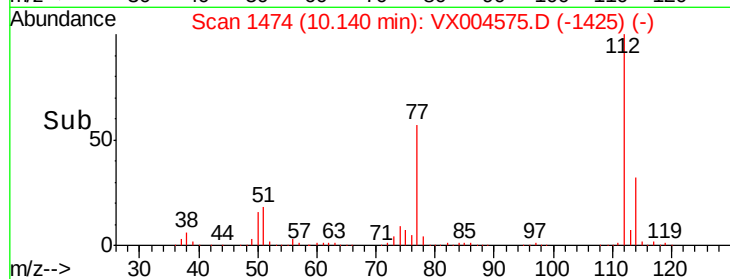
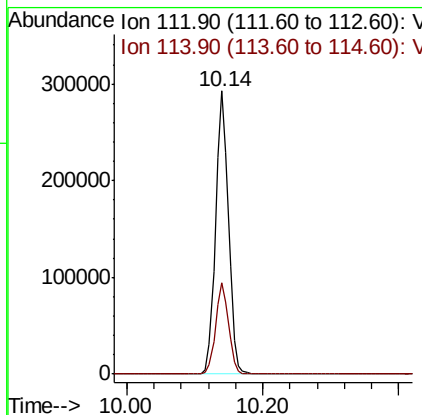
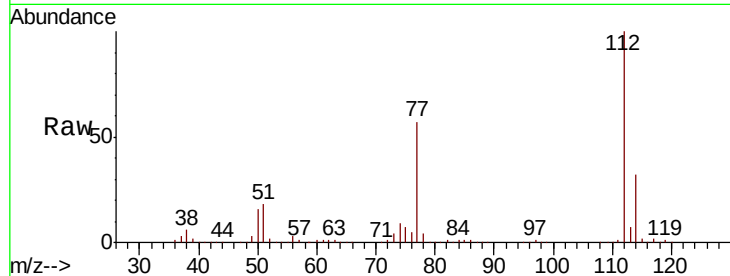
#65
Chlorobenzene
Concen: 49.87 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 385937
Ion Ratio Lower Upper
112 100
114 32.5 27.8 41.8

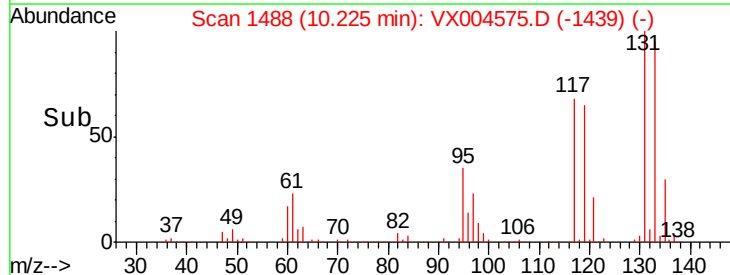
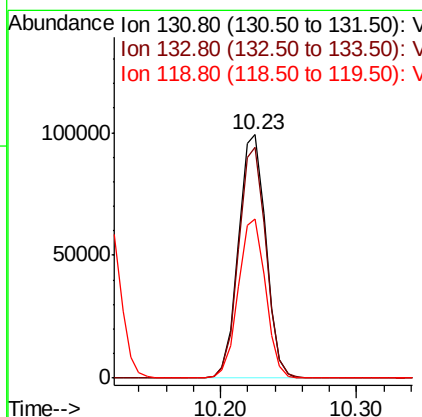
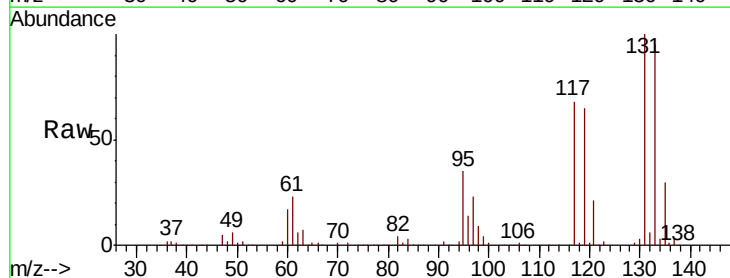
Manual Integrations
APPROVED

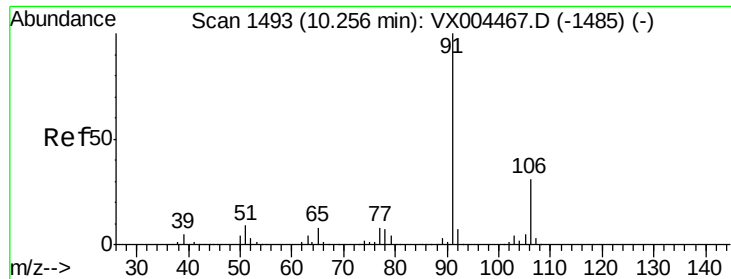
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.12 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion:131 Resp: 139087
Ion Ratio Lower Upper
131 100
133 94.9 48.1 144.4
119 64.9 32.9 98.6





#67

Ethyl Benzene

Concen: 52.14 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 656051

Ion Ratio Lower Upper

91 100

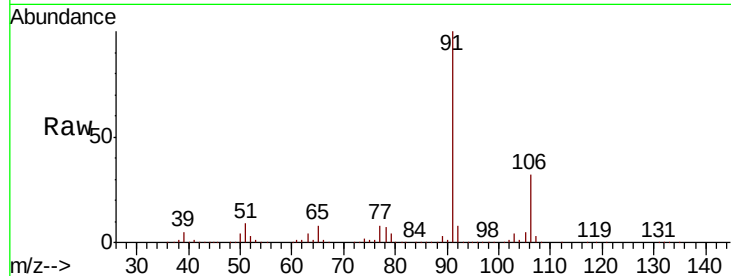
106 31.9 25.9 38.9

Manual Integrations

APPROVED

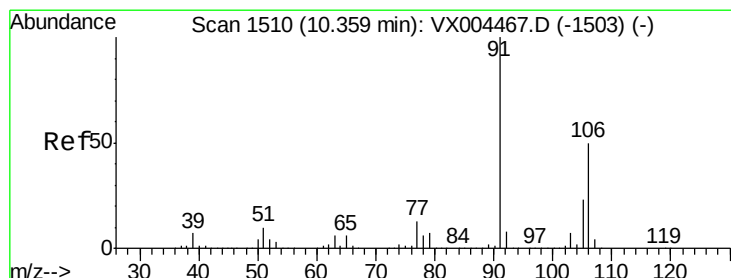
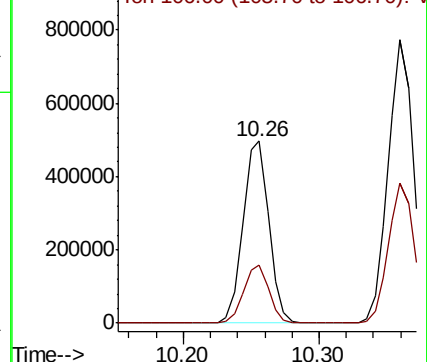
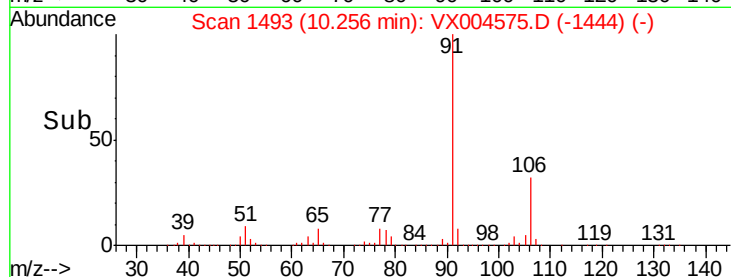
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX004467.D (-1485) (-)



#68

m/p-Xylenes

Concen: 104.80 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX004575.D

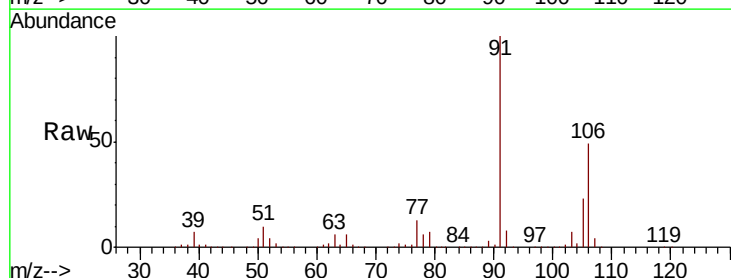
Acq: 15 Sep 2018 10:15

Tgt Ion: 106 Resp: 507962

Ion Ratio Lower Upper

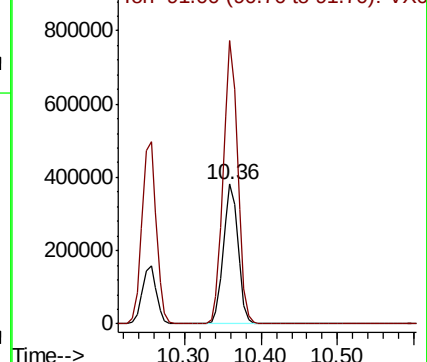
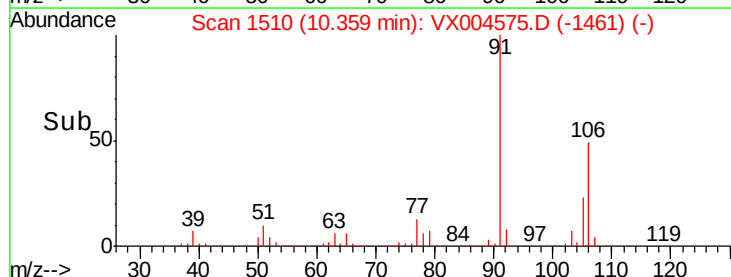
106 100

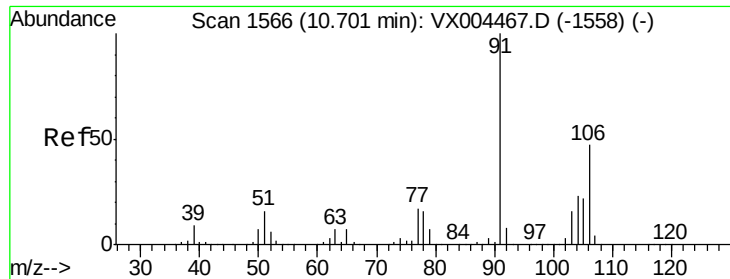
91 200.0 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): VX004467.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX004467.D (-1503) (-)





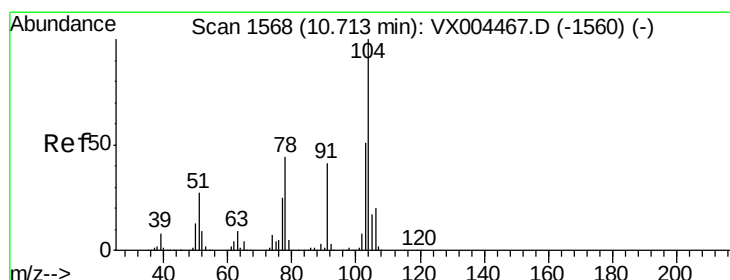
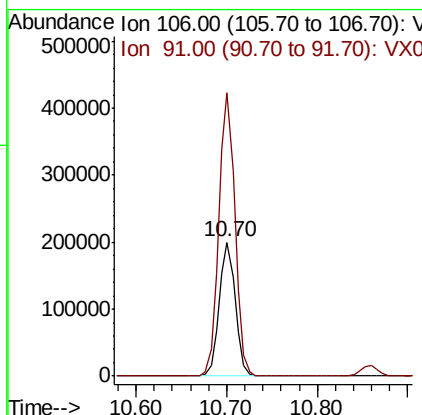
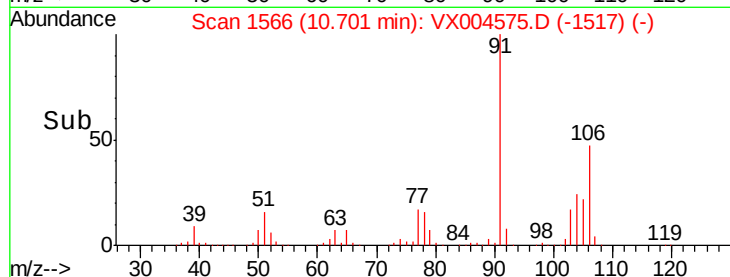
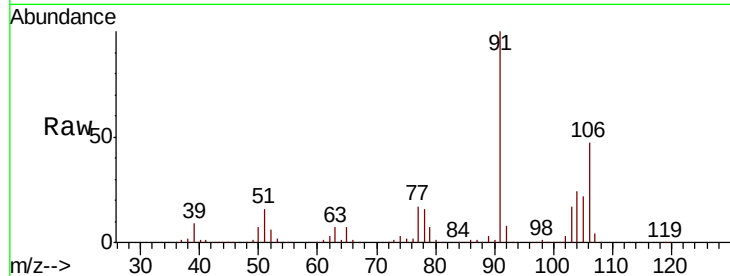
#69
o-Xylene
Concen: 53.25 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 248129
Ion Ratio Lower Upper
106 100
91 211.8 105.1 315.1

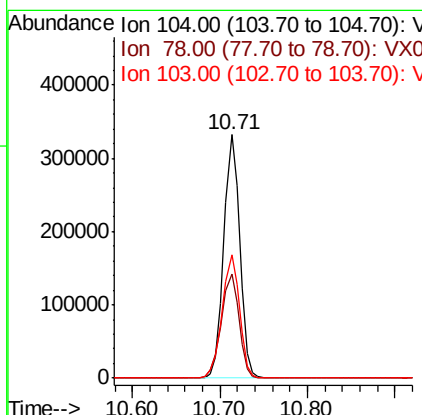
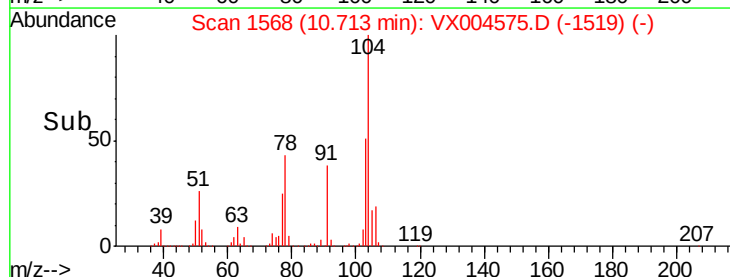
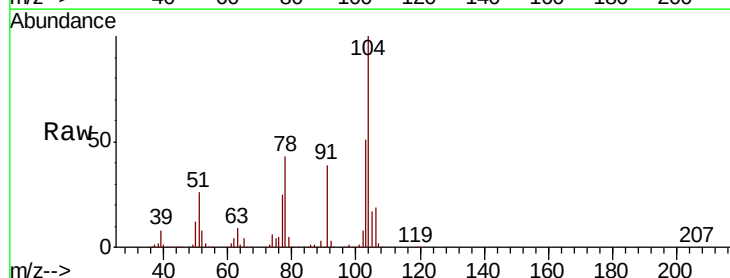
Manual Integrations
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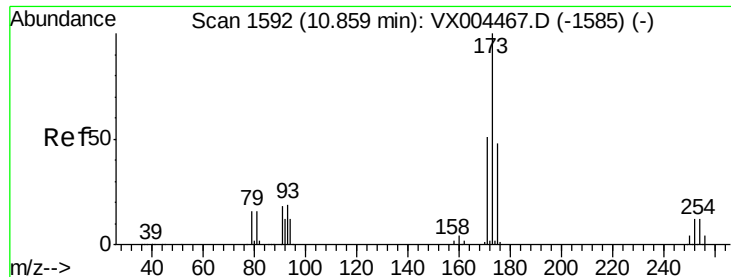
MMDadoda
9/17/2018 5:09:32 PM



#70
Styrene
Concen: 54.28 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion:104 Resp: 419021
Ion Ratio Lower Upper
104 100
78 47.7 37.4 56.0
103 55.3 43.8 65.6





#71

Bromoform

Concen: 52.05 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

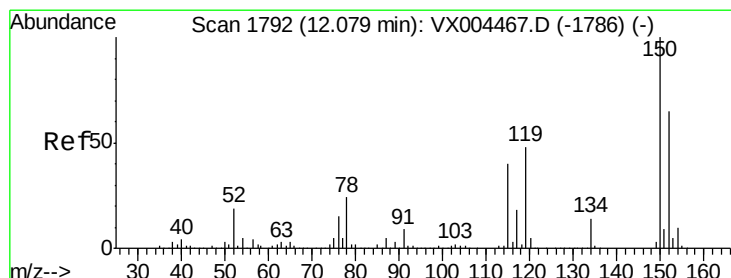
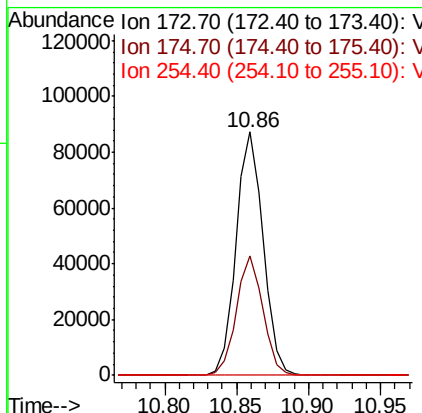
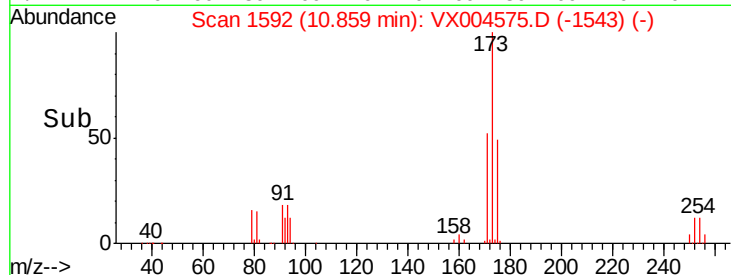
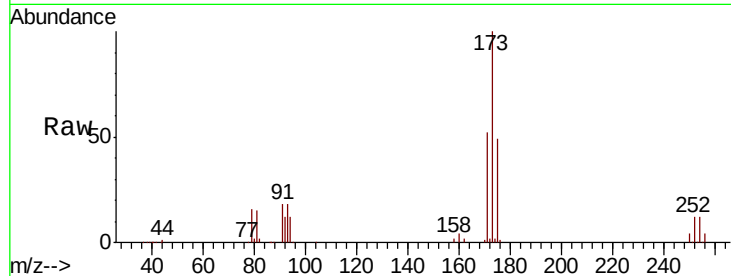
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.3
254	0.1	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

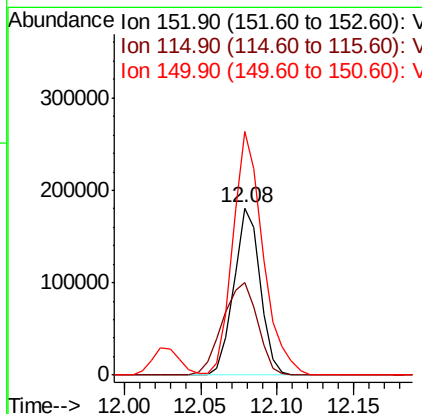
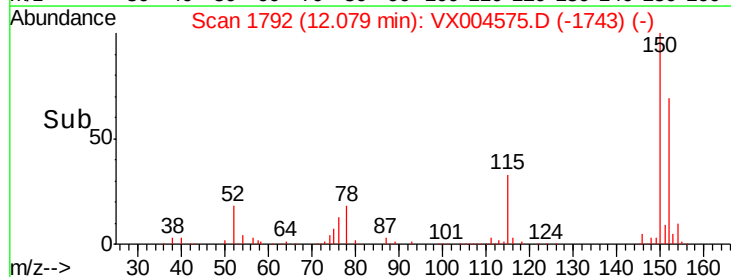
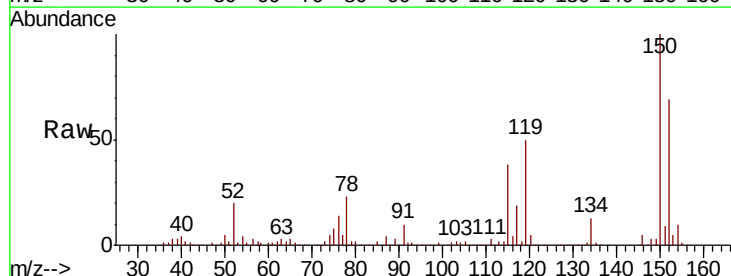
RT: 12.08 min Scan# 1792

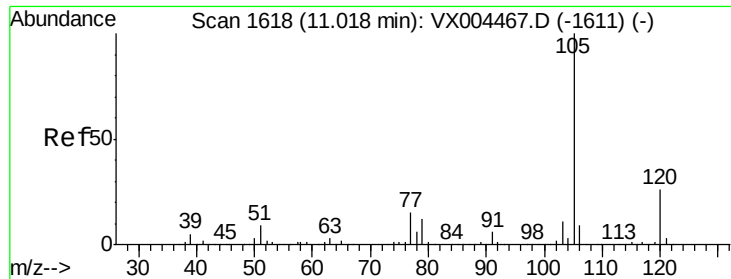
Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	74.0	39.0	117.0
150	166.9	0.0	351.0





#73

Isopropylbenzene

Concen: 46.95 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 664174

Ion Ratio Lower Upper

105 100

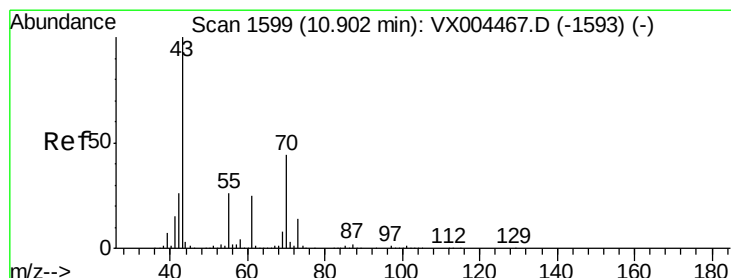
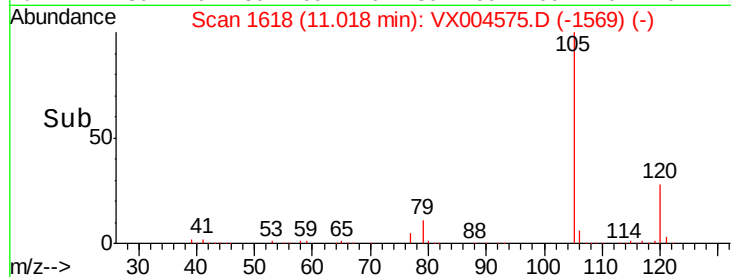
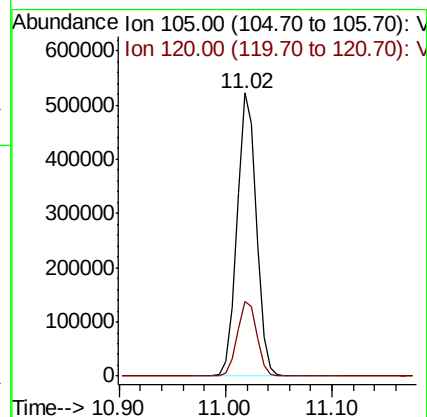
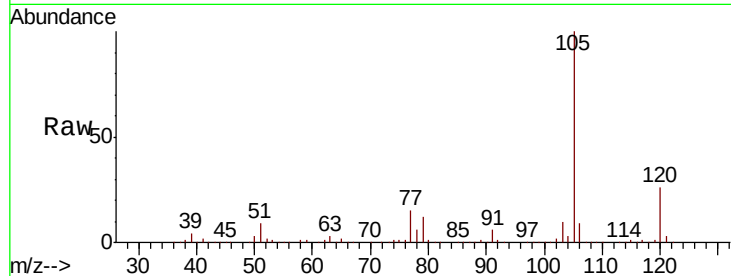
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 46.23 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion: 43 Resp: 275246

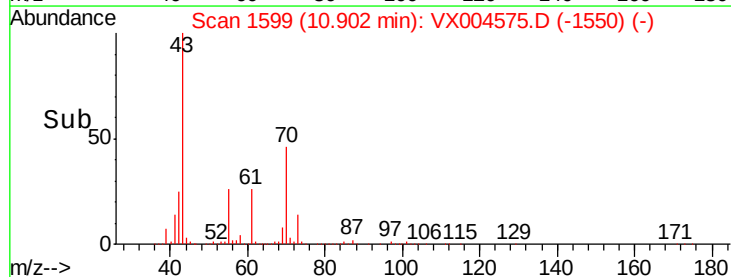
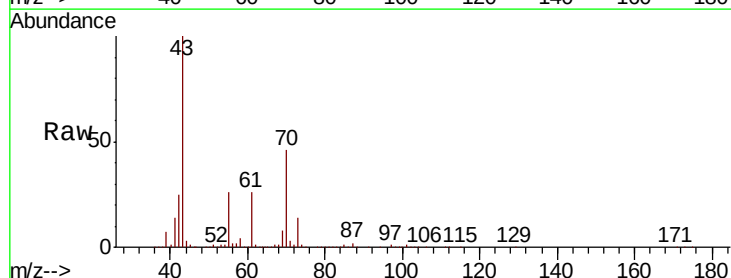
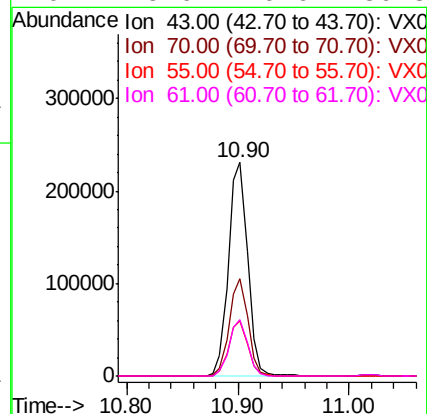
Ion Ratio Lower Upper

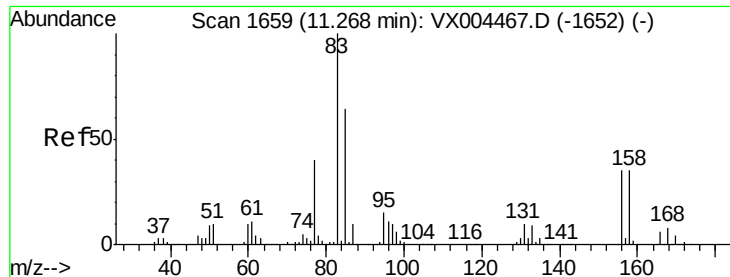
43 100

70 44.6 37.4 56.0

55 25.8 21.8 32.8

61 25.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 44.64 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

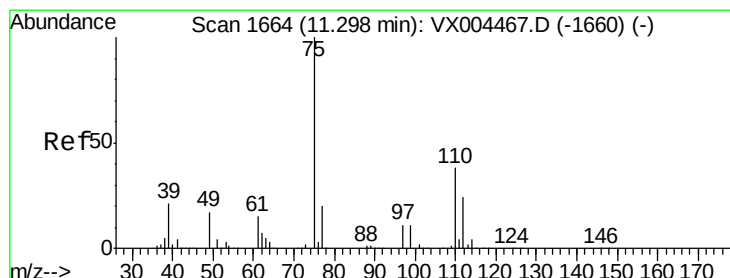
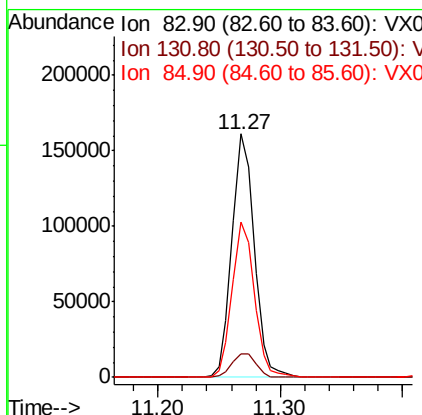
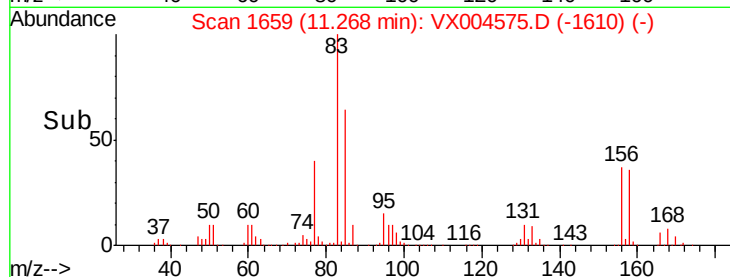
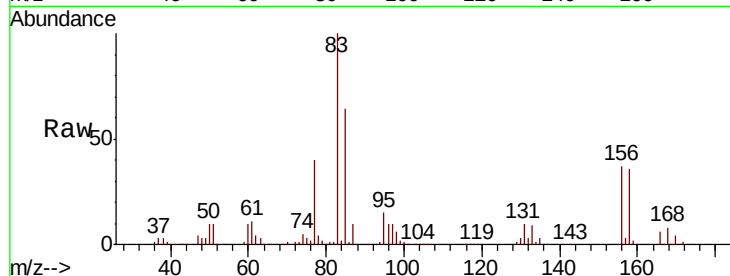
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	203665
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.36 ug/l m

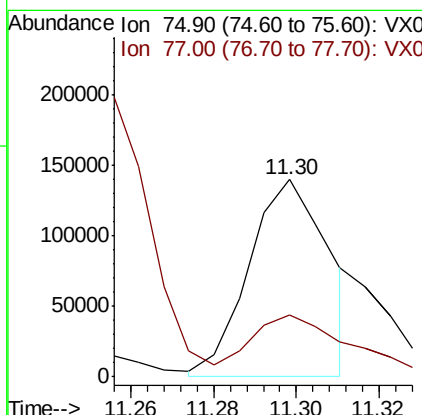
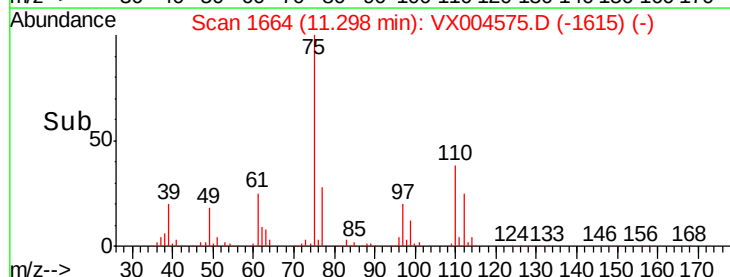
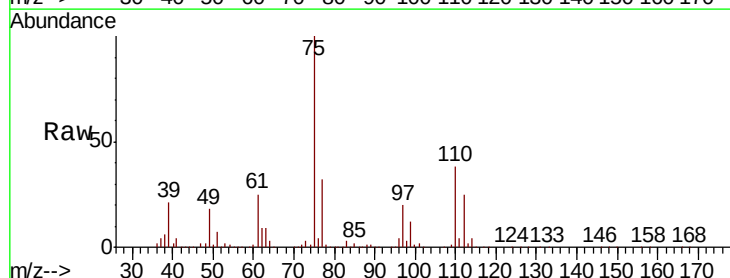
RT: 11.30 min Scan# 1664

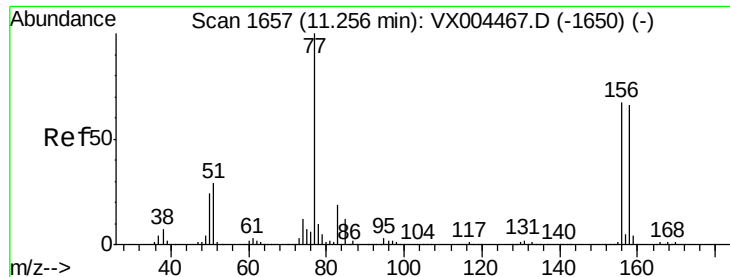
Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Tgt Ion:	75	Resp:	187373
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.2	60.6





#77

Bromobenzene

Concen: 45.28 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 156 Resp: 177049

Ion Ratio Lower Upper

156 100

77 144.9 71.5 214.3

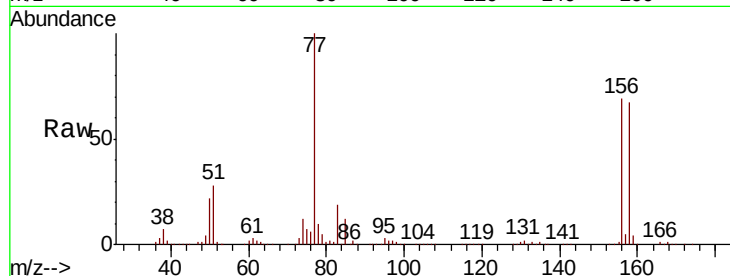
158 97.4 48.9 146.8

Manual Integrations

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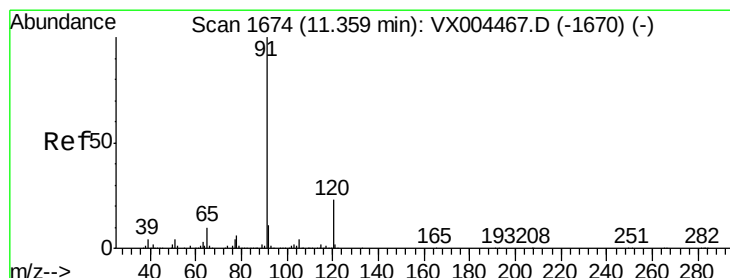
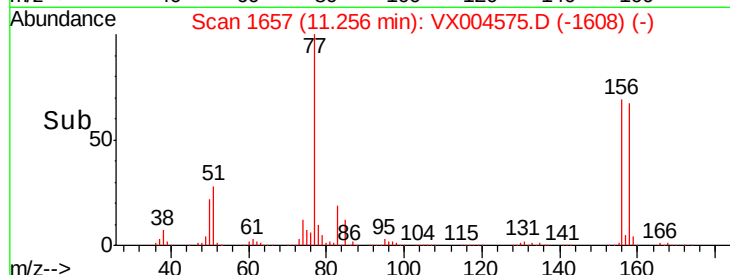
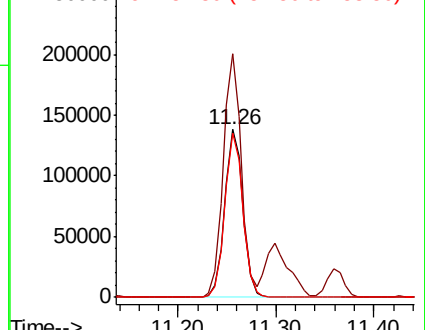
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.48 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004575.D

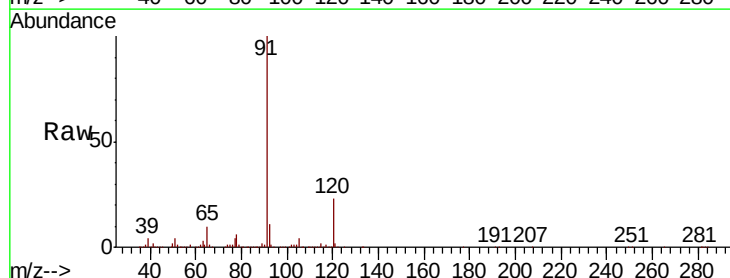
Acq: 15 Sep 2018 10:15

Tgt Ion: 91 Resp: 755994

Ion Ratio Lower Upper

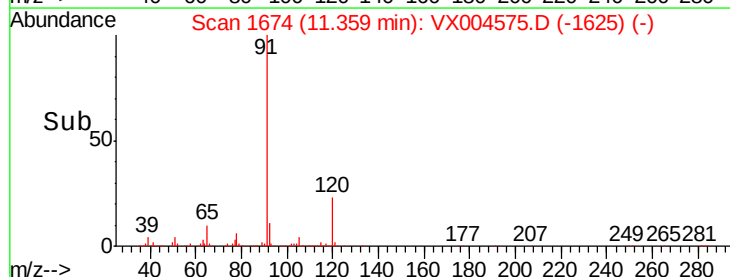
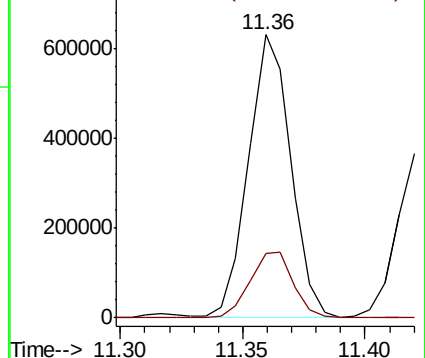
91 100

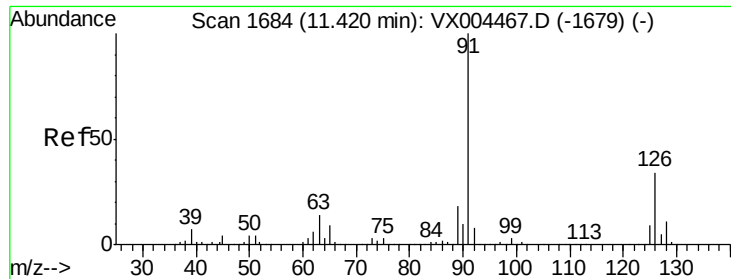
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.80 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 451801

Ion Ratio Lower Upper

91 100

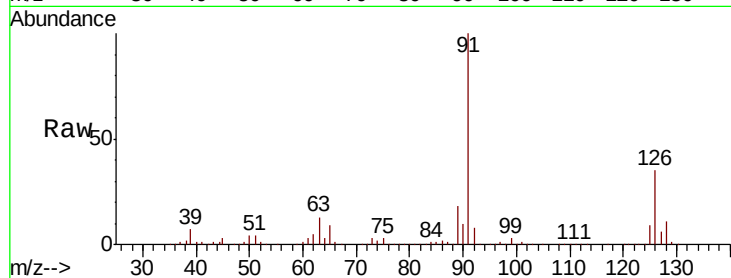
126 36.1 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX004467.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX004467.D (-1679) (-)

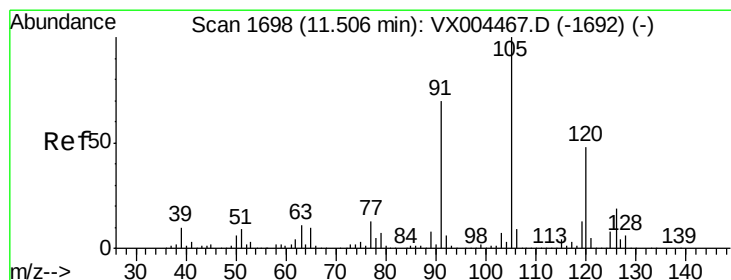
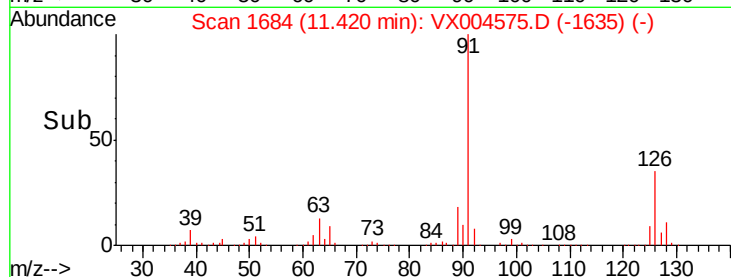
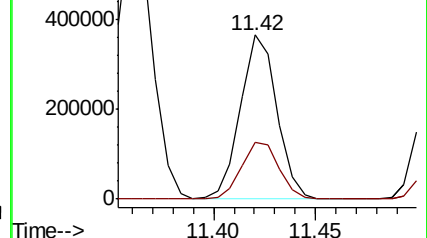
600000

400000

200000

0

11.40 11.45



#80

1,3,5-Trimethylbenzene

Concen: 51.95 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX004575.D

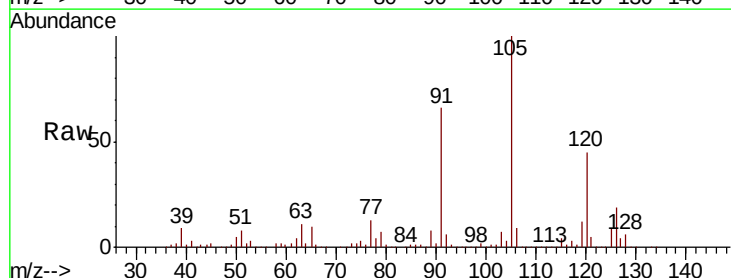
Acq: 15 Sep 2018 10:15

Tgt Ion:105 Resp: 617786

Ion Ratio Lower Upper

105 100

120 48.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004467.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX004467.D (-1692) (-)

600000

500000

400000

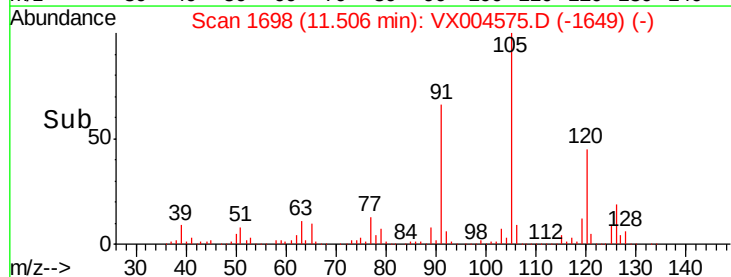
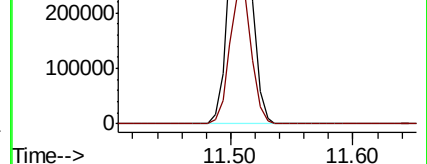
300000

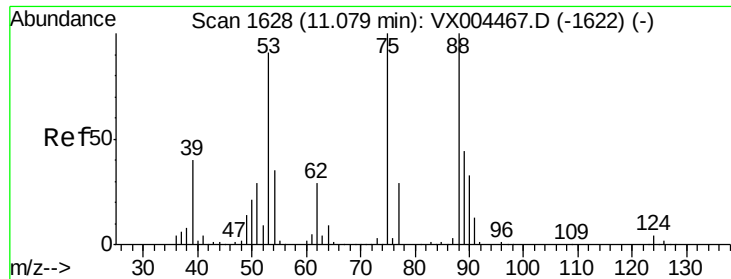
200000

100000

0

11.50 11.60





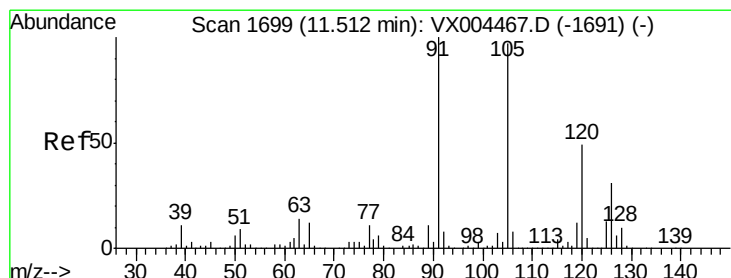
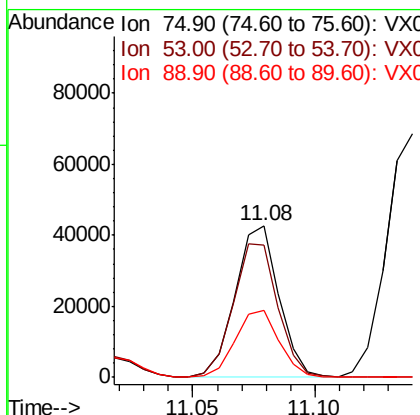
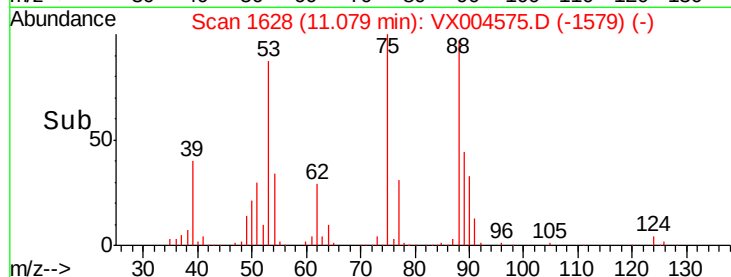
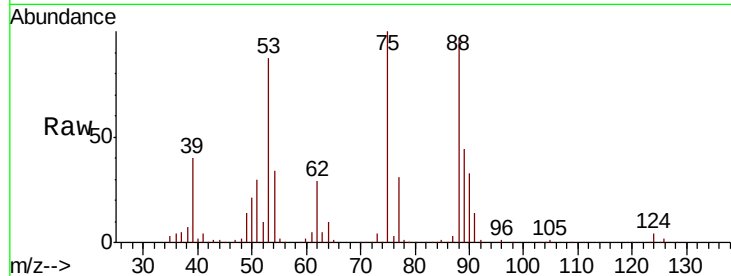
#81
trans-1,4-Dichloro-2-butene
Concen: 38.84 ug/l
RT: 11.08 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 52650
Ion Ratio Lower Upper
75 100
53 90.7 80.1 120.1
89 45.0 37.2 55.8

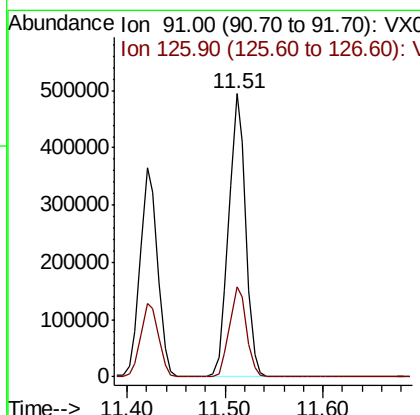
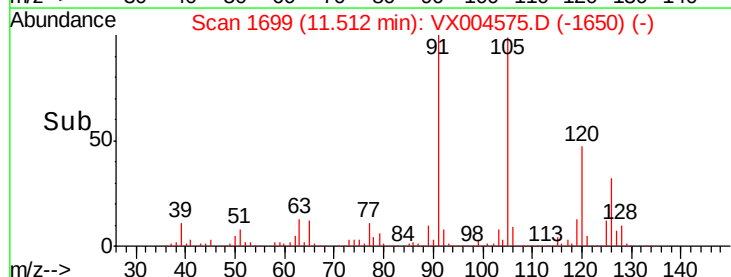
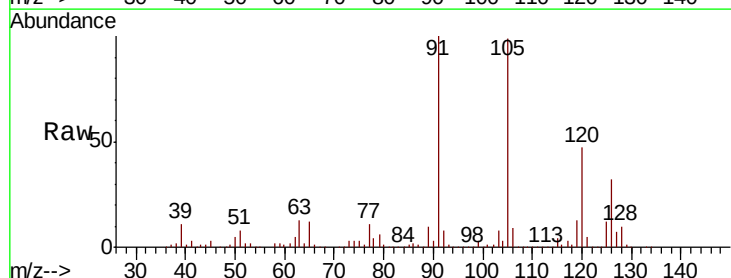
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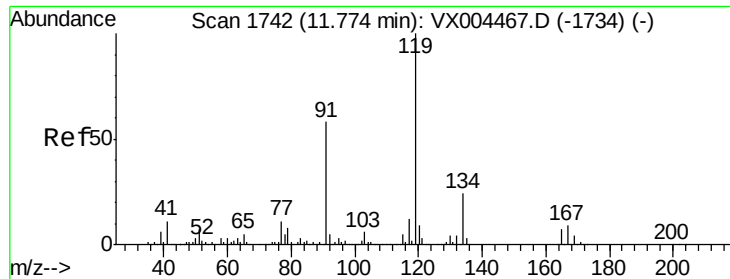
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#82
4-Chlorotoluene
Concen: 51.85 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion: 91 Resp: 596978
Ion Ratio Lower Upper
91 100
126 32.0 15.5 46.5





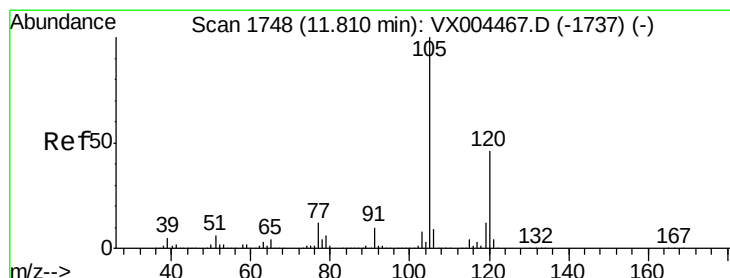
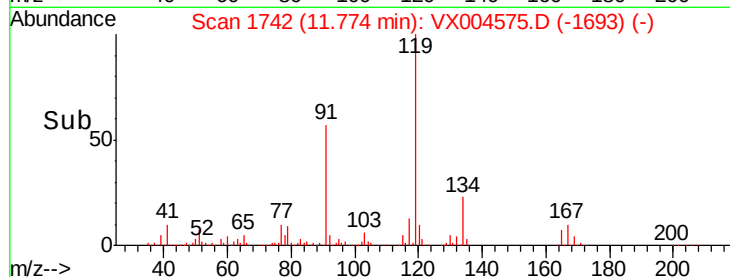
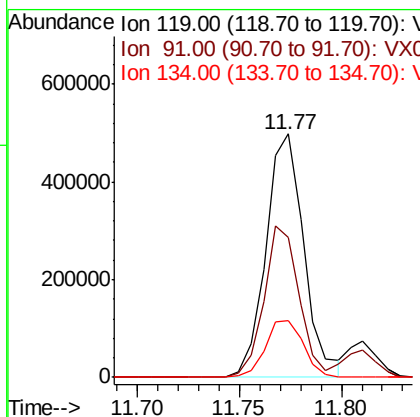
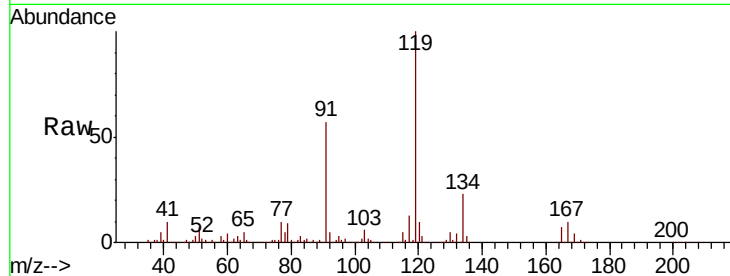
#83
 tert-Butylbenzene
 Concen: 56.86 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.4	27.0	81.0
134	23.6	11.7	35.1

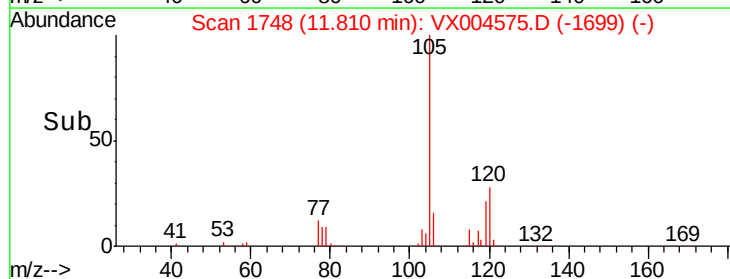
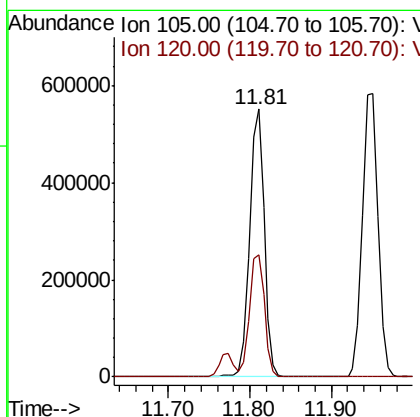
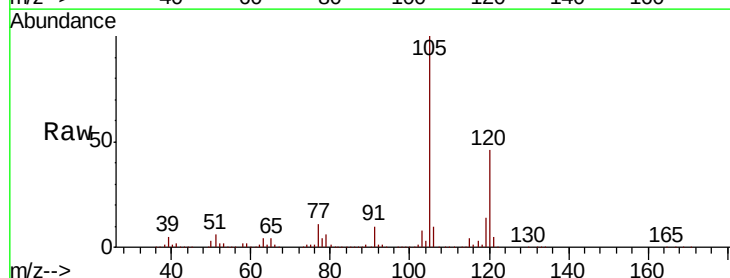
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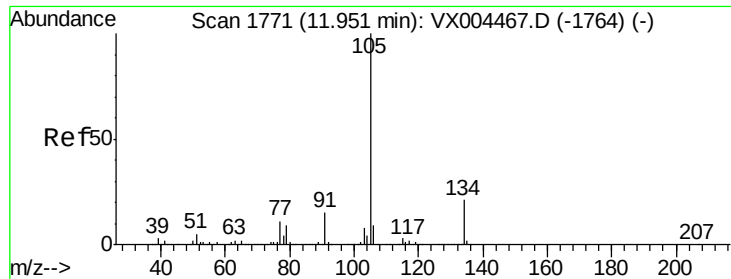
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.78 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.2	69.6





#85

sec-Butylbenzene

Concen: 52.77 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 761304

Ion Ratio Lower Upper

105 100

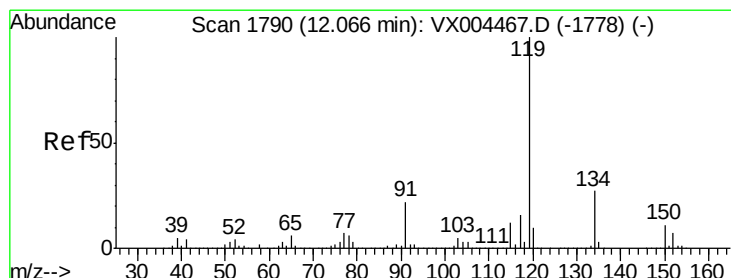
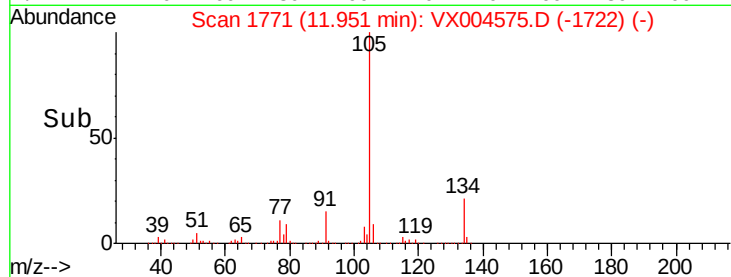
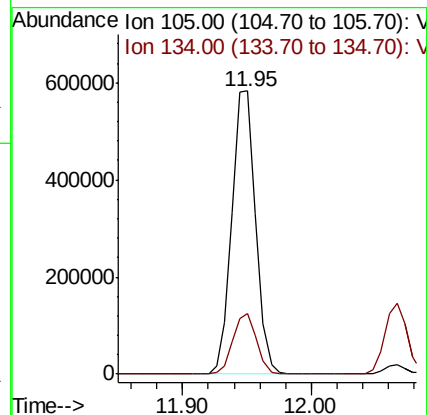
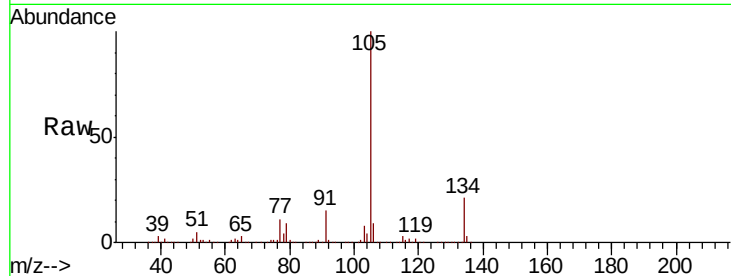
134 21.2 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.01 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

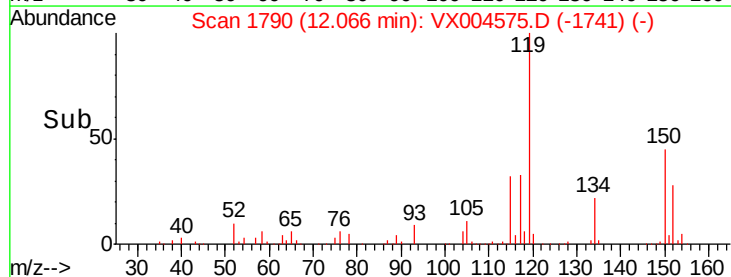
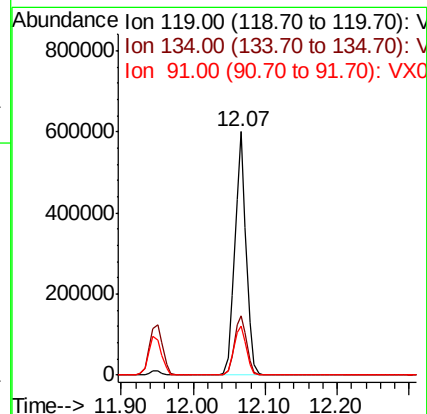
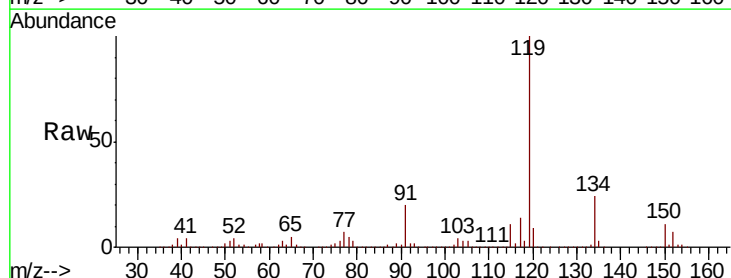
Tgt Ion:119 Resp: 662546

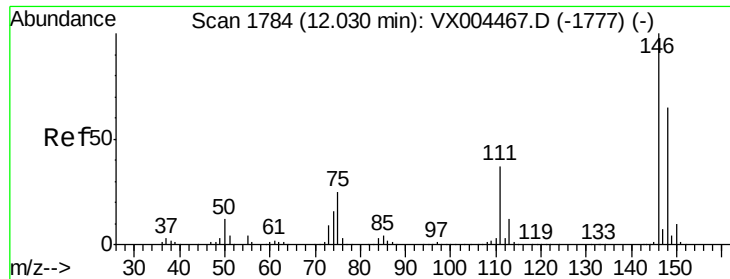
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.2 10.9 32.7





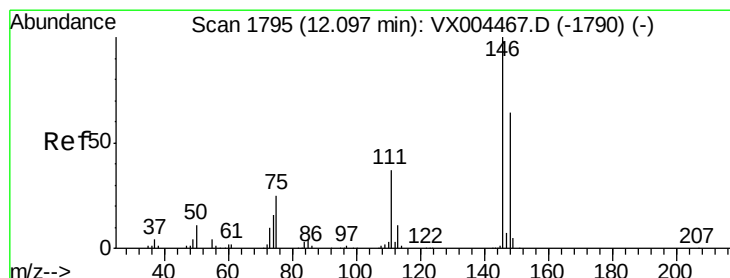
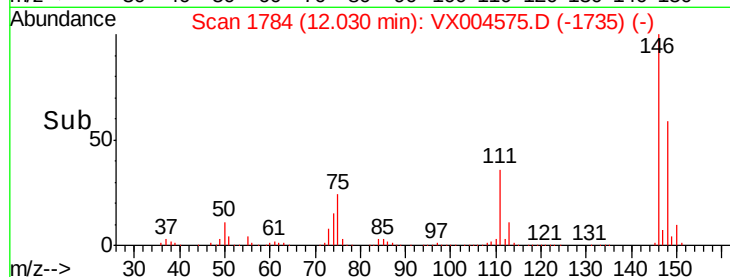
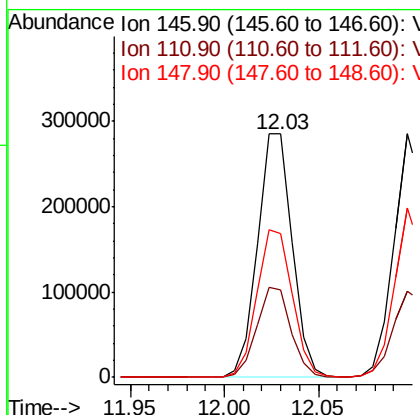
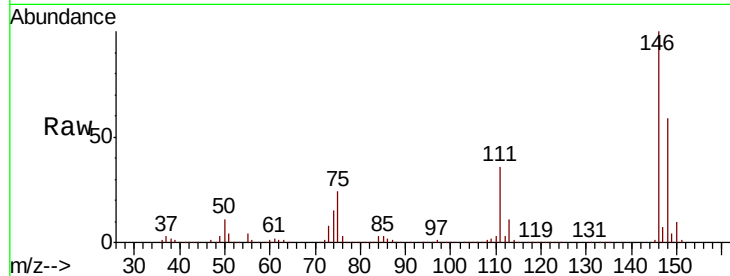
#87
 1,3-Dichlorobenzene
 Concen: 50.16 ug/l
 RT: 12.03 min Scan# 1784
 Delta R.T. -0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.7	56.1
148	61.5	32.1	96.5

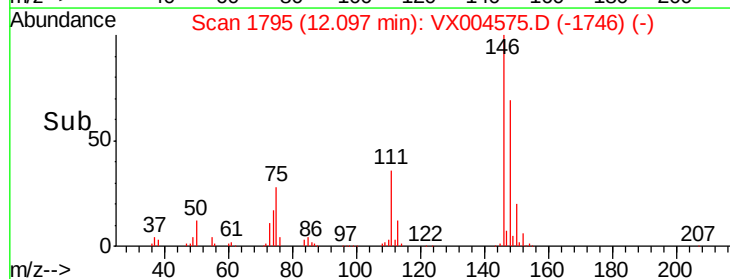
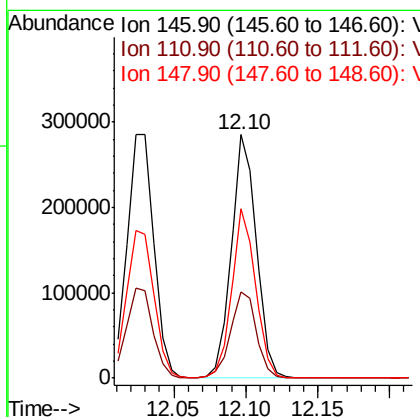
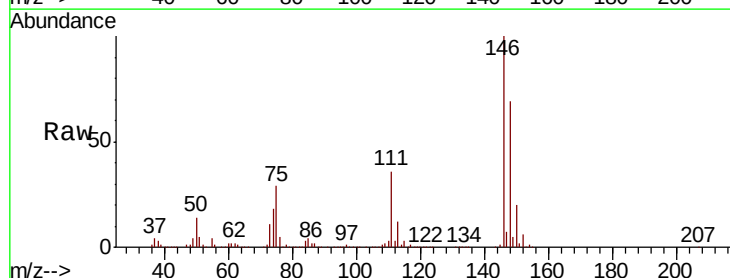
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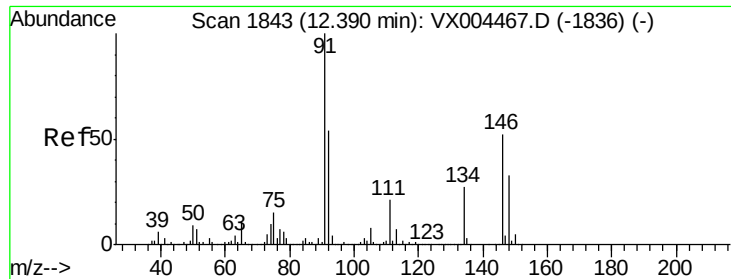
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#88
 1,4-Dichlorobenzene
 Concen: 46.04 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	66.5	32.0	96.0





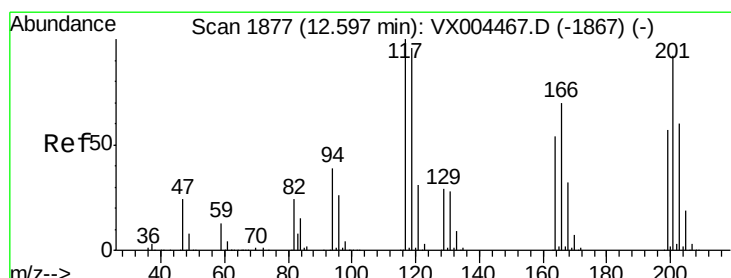
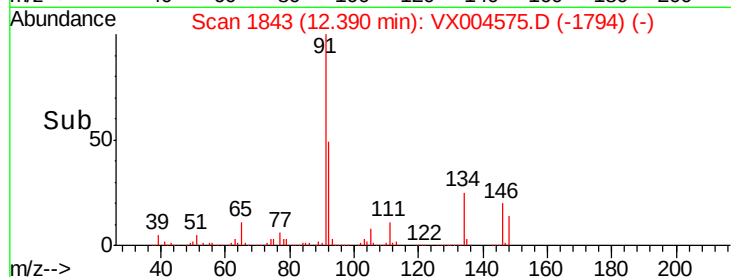
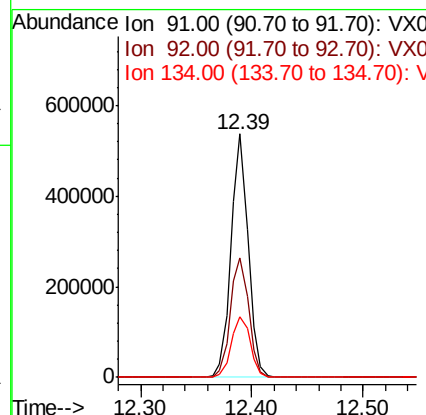
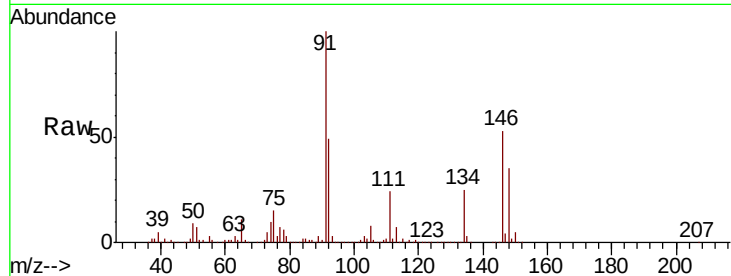
#89
n-Butylbenzene
Concen: 49.22 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	571379		
92	52.5		27.3	81.9
134	27.5		13.6	40.7

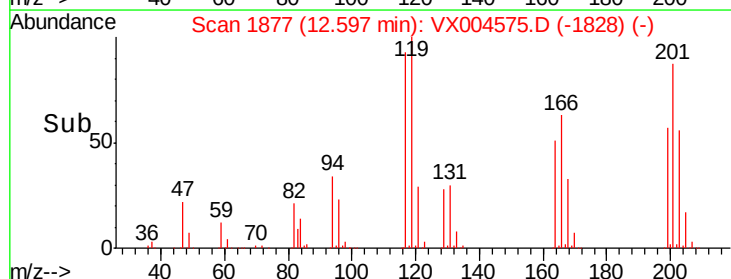
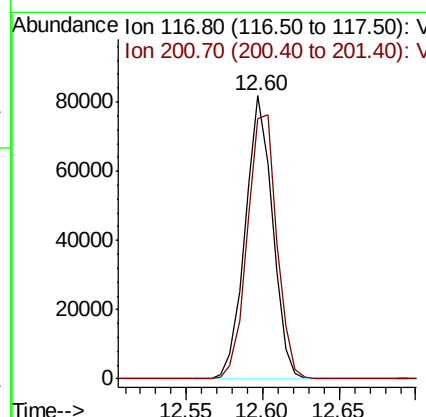
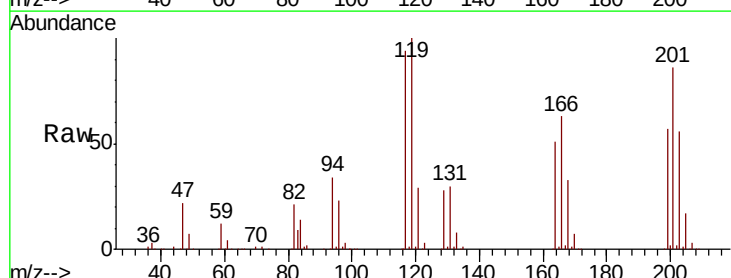
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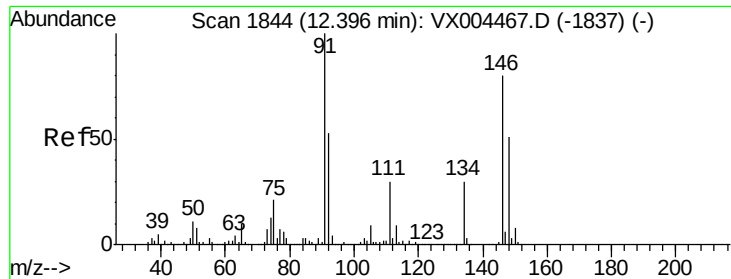
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#90
Hexachloroethane
Concen: 49.49 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	100928		
201	100.8		46.9	140.6





#91

1,2-Dichlorobenzene

Concen: 52.34 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VX004575.D

Acq: 15 Sep 2018 10:15

Instrument :

MSVOA_X

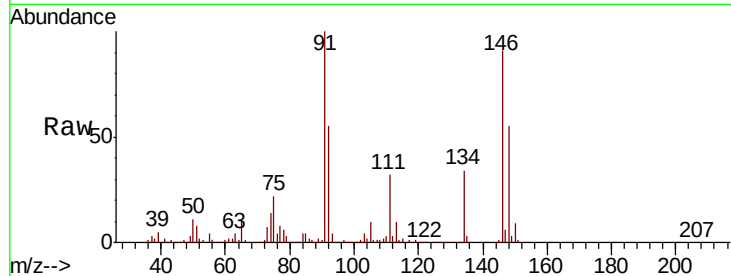
ClientSampleId :

VSTDCCC050EC

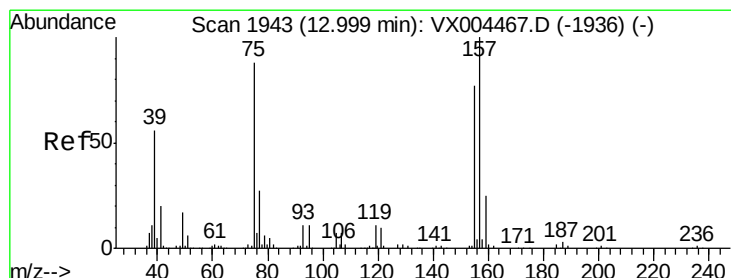
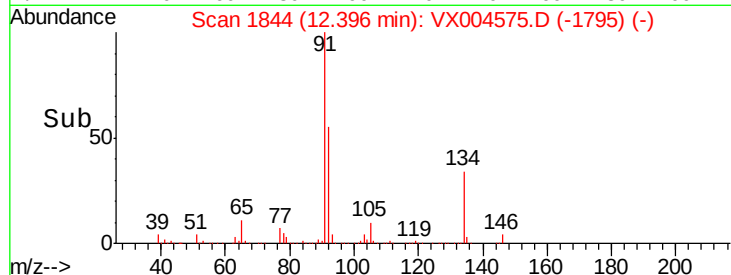
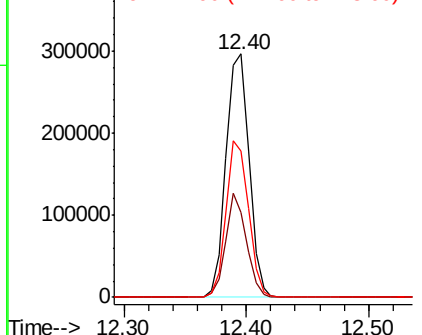
Tot Ion:	146	Resp:	386421
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.4	58.1
148	62.3	32.8	98.3

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.82 ug/l

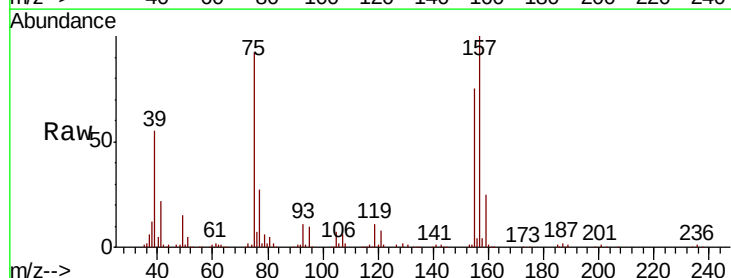
RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

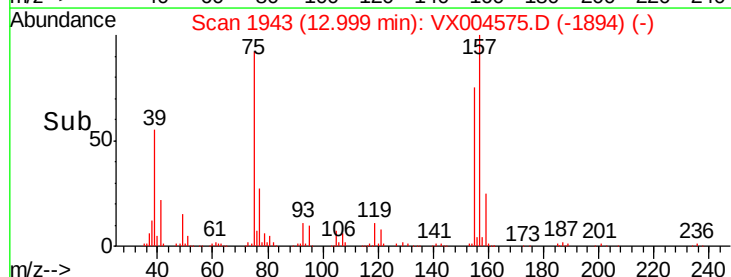
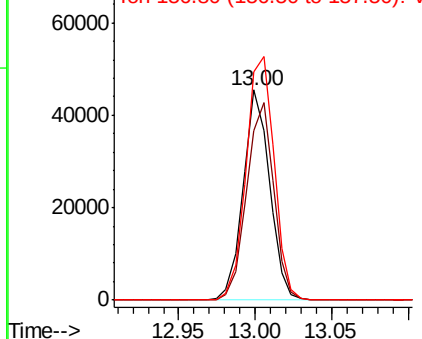
Lab File: VX004575.D

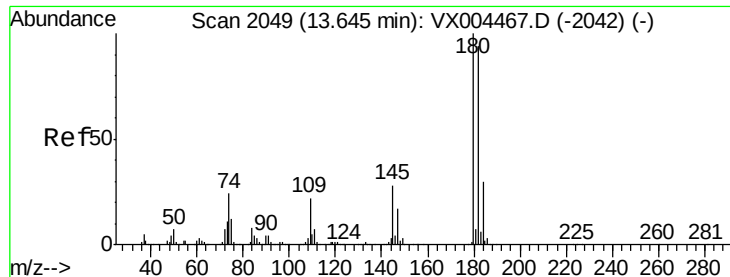
Acq: 15 Sep 2018 10:15

Tgt Ion:	75	Resp:	54381
Ion Ratio	Lower	Upper	
75	100		
155	96.7	48.0	144.2
157	123.5	61.4	184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





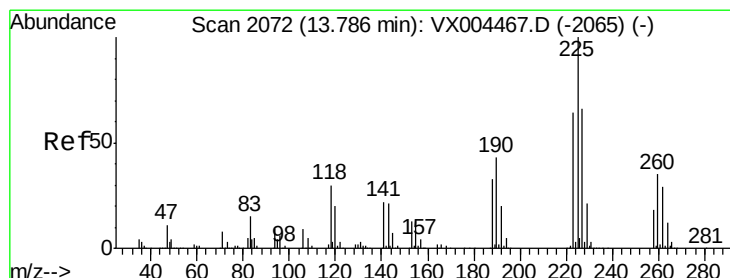
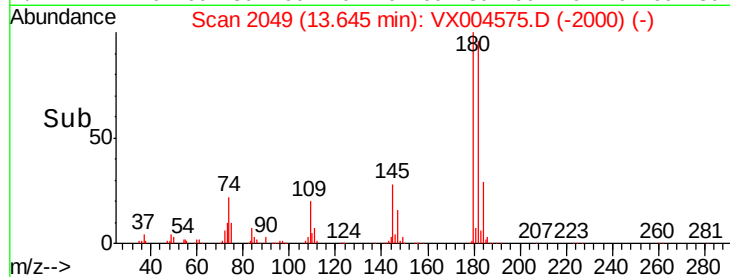
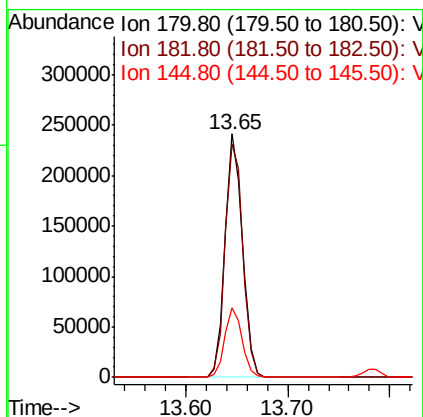
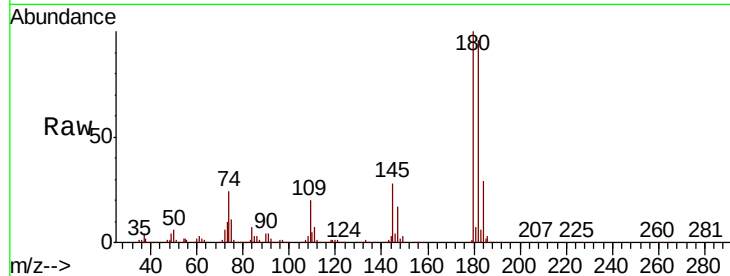
#93
 1,2,4-Trichlorobenzene
 Concen: 54.53 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	285095
Ion Ratio	Lower	Upper	
180	100		
182	98.1	48.4	145.0
145	28.4	14.3	42.9

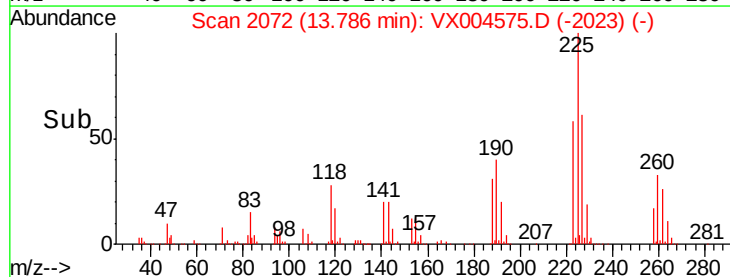
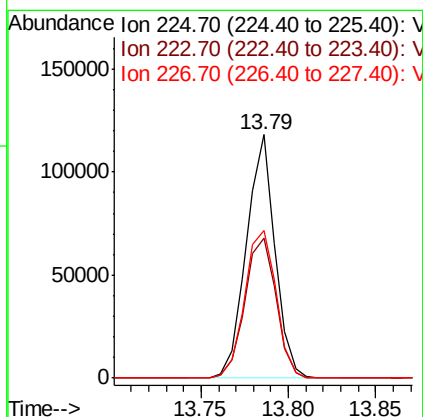
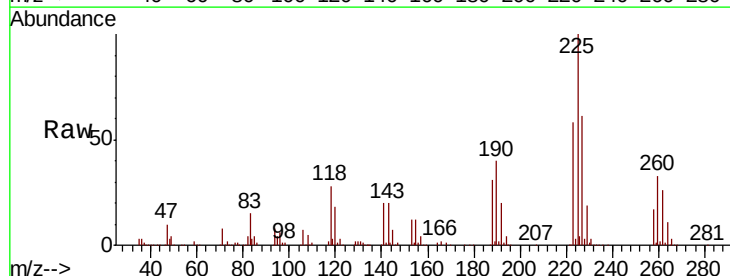
Manual Integrations
 APPROVED

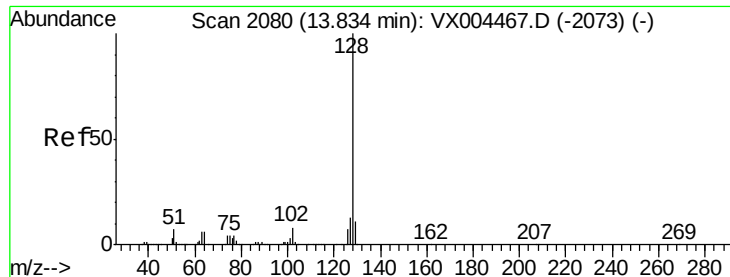
MMDadoda
 9/17/2018 5:09:32 PM



#94
 Hexachlorobutadiene
 Concen: 49.01 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004575.D
 Acq: 15 Sep 2018 10:15

Tgt Ion:	225	Resp:	133826
Ion Ratio	Lower	Upper	
225	100		
223	63.2	30.1	90.5
227	66.8	30.8	92.4





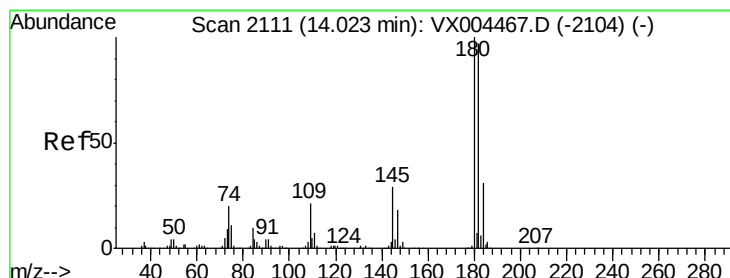
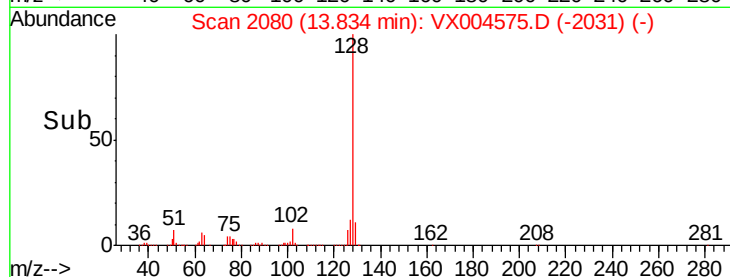
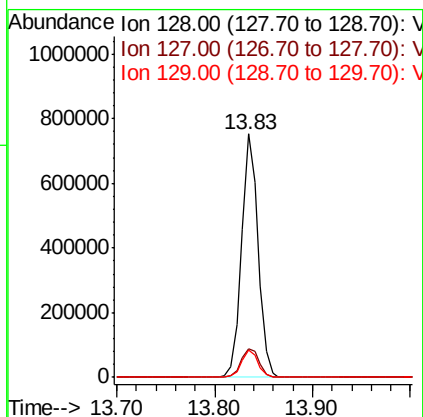
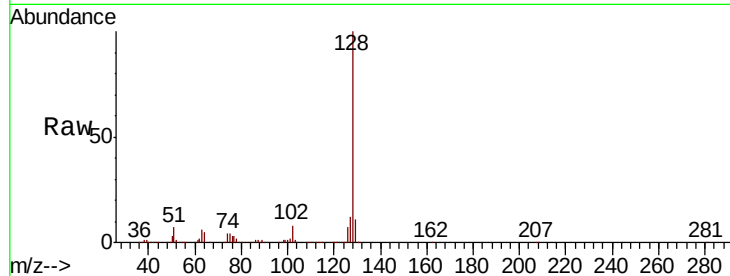
#95
Naphthalene
Concen: 59.75 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.91 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX004575.D
Acq: 15 Sep 2018 10:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.5	145.6
145	30.5	14.9	44.9

