

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110718\
 Data File : VX005825.D
 Acq On : 07 Nov 2018 13:25
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 10:35:29 AM

Quant Time: Nov 07 14:05:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:01:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	119990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	165513	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	156230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	78858	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	70173	40.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.00%	
35) Dibromofluoromethane	5.51	113	58514	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	8.71	98	189959	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
62) 4-Bromofluorobenzene	11.14	95	69256	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	55291	39.888	ug/l	100
3) Chloromethane	1.32	50	69461	42.484	ug/l	97
4) Vinyl Chloride	1.40	62	73872	43.427	ug/l	97
5) Bromomethane	1.64	94	43147	20.442	ug/l	90
6) Chloroethane	1.71	64	42587	34.477	ug/l	100
7) Trichlorofluoromethane	1.93	101	96696	44.287	ug/l	99
8) Diethyl Ether	2.19	74	35918	36.598	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53376	40.246	ug/l	98
10) Methyl Iodide	2.51	142	71394	60.324	ug/l	98
11) Tert butyl alcohol	3.07	59	95273	199.980	ug/l	99
12) 1,1-Dichloroethene	2.37	96	52203	40.394	ug/l	88
13) Acrolein	2.29	56	45351	145.051	ug/l	97
14) Allyl chloride	2.73	41	120431	45.067	ug/l	97
15) Acrylonitrile	3.15	53	211079	201.484	ug/l	97
16) Acetone	2.45	43	188731	188.880	ug/l	96
17) Carbon Disulfide	2.57	76	161925	40.774	ug/l	98
18) Methyl Acetate	2.78	43	103178	40.982	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	184874	41.327	ug/l	95
20) Methylene Chloride	2.85	84	58122	38.421	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	57292	41.896	ug/l	97
22) Diisopropyl ether	3.87	45	209244	42.211	ug/l	97
23) Vinyl Acetate	3.83	43	912216	211.272	ug/l	100
24) 1,1-Dichloroethane	3.69	63	108673	38.770	ug/l	99
25) 2-Butanone	4.70	43	304564	205.810	ug/l	96
26) 2,2-Dichloropropane	4.57	77	83313	39.761	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	63347	41.225	ug/l	99
28) Bromochloromethane	5.02	49	55654	40.697	ug/l	97
29) Tetrahydrofuran	5.15	42	202701	224.417	ug/l	98
30) Chloroform	5.21	83	108202	39.482	ug/l	99
31) Cyclohexane	5.57	56	100559	42.901	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	93098	42.447	ug/l	99
36) 1,1-Dichloropropene	5.80	75	82558	46.817	ug/l	98
37) Ethyl Acetate	4.85	43	109124	48.505	ug/l	100
38) Carbon Tetrachloride	5.78	117	81620	51.231	ug/l	91

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	86146	46.842	ug/l #	83
40) Benzene	6.15	78	240259	45.797	ug/l	96
41) Methacrylonitrile	5.05	41	59124	48.638	ug/l	99
42) 1,2-Dichloroethane	6.19	62	85116	43.894	ug/l	99
43) Isopropyl Acetate	6.46	43	162432	49.745	ug/l	99
44) Trichloroethene	7.21	130	59166	48.763	ug/l	98
45) 1,2-Dichloropropane	7.52	63	56258	41.846	ug/l	100
46) Dibromomethane	7.66	93	35289	41.073	ug/l	97
47) Bromodichloromethane	7.90	83	68143	42.283	ug/l	99
48) Methyl methacrylate	7.77	41	72134	45.643	ug/l	97
49) 1,4-Dioxane	7.76	88	29933	850.566	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	482043	216.503	ug/l	100
52) Toluene	8.79	92	131104	46.202	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	87837	50.292	ug/l #	87
54) cis-1,3-Dichloropropene	8.43	75	82808	44.253	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	55747	45.237	ug/l	93
56) Ethyl methacrylate	9.18	69	92270	49.563	ug/l	99
57) 1,3-Dichloropropane	9.37	76	100019	47.249	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	230935	219.487	ug/l	99
59) 2-Hexanone	9.50	43	452198	249.567	ug/l	100
60) Dibromochloromethane	9.59	129	67125	56.369	ug/l	98
61) 1,2-Dibromoethane	9.67	107	65240	51.954	ug/l	99
64) Tetrachloroethene	9.34	164	72652	63.652	ug/l #	87
65) Chlorobenzene	10.13	112	163505	49.250	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.22	131	54357	47.828	ug/l	99
67) Ethyl Benzene	10.25	91	270247	47.697	ug/l	92
68) m/p-Xylenes	10.36	106	193359	91.840	ug/l	93
69) o-Xylene	10.70	106	89160	44.278	ug/l	98
70) Styrene	10.71	104	150810	45.092	ug/l	99
71) Bromoform	10.86	173	45932	49.881	ug/l #	100
73) Isopropylbenzene	11.02	105	247416	47.557	ug/l	99
74) N-amyl acetate	10.90	43	123518	44.593	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	84383	39.095	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	83225m	42.374	ug/l	
77) Bromobenzene	11.26	156	65343	50.631	ug/l	100
78) n-propylbenzene	11.36	91	290042	45.828	ug/l	99
79) 2-Chlorotoluene	11.42	91	170952	45.225	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	213296	48.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	26271	43.217	ug/l	98
82) 4-Chlorotoluene	11.51	91	203551	45.105	ug/l	100
83) tert-Butylbenzene	11.77	119	205761	48.818	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	220591	49.452	ug/l	99
85) sec-Butylbenzene	11.94	105	253270	46.844	ug/l	100
86) p-Isopropyltoluene	12.07	119	230593	50.148	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	121789	48.805	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	123841	46.196	ug/l	100
89) n-Butylbenzene	12.39	91	207046	44.628	ug/l	100
90) Hexachloroethane	12.60	117	36834	45.150	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	122573	47.017	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22004	43.465	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	92955	55.593	ug/l	99
94) Hexachlorobutadiene	13.79	225	46347	57.296	ug/l	99
95) Naphthalene	13.83	128	285685	51.953	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	93898	55.161	ug/l	100

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

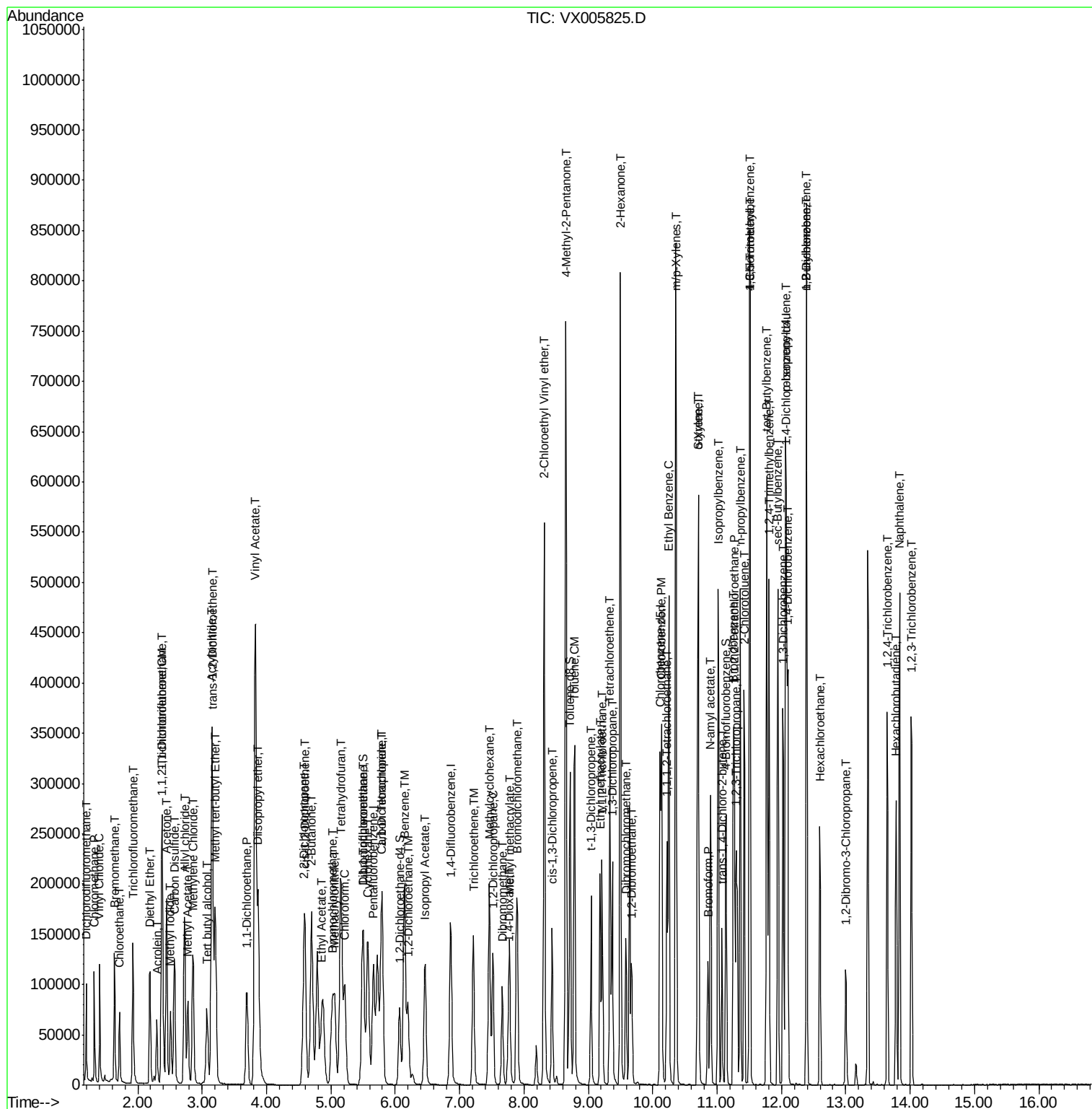
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110718\
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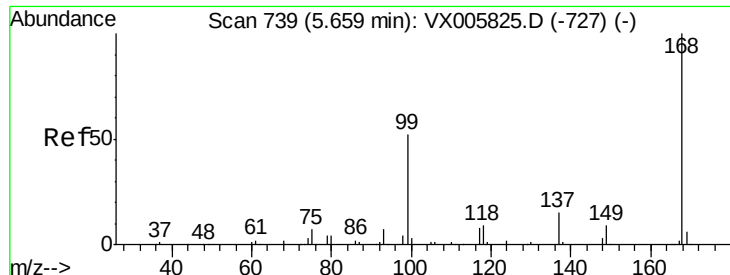
Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 119990

Ion Ratio Lower Upper

168 100

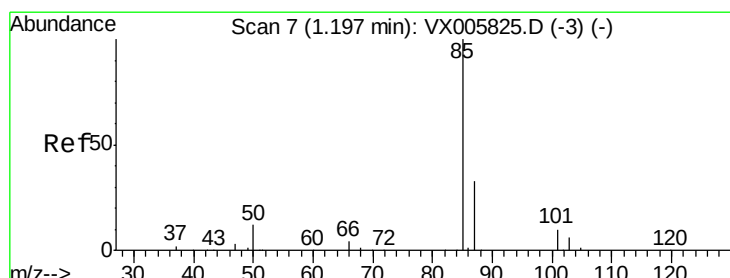
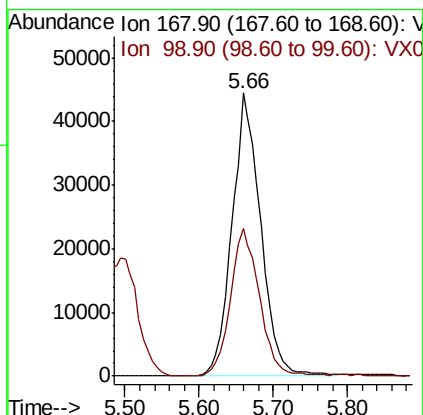
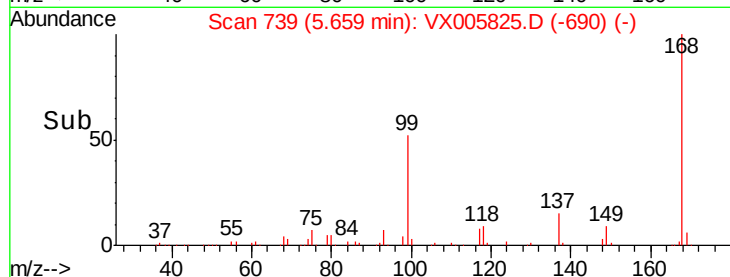
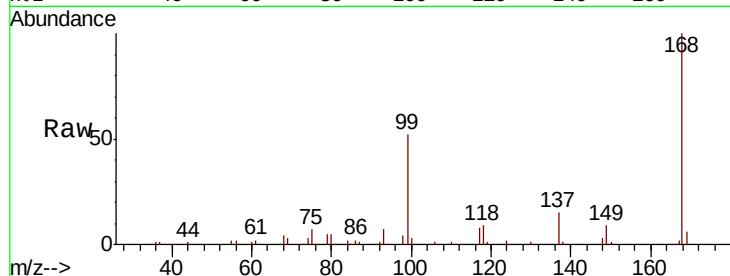
99 52.2 40.7 61.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 39.888 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005825.D

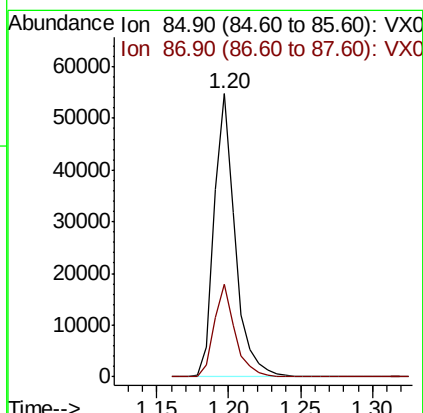
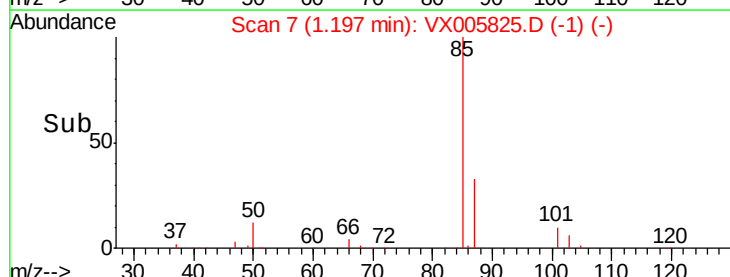
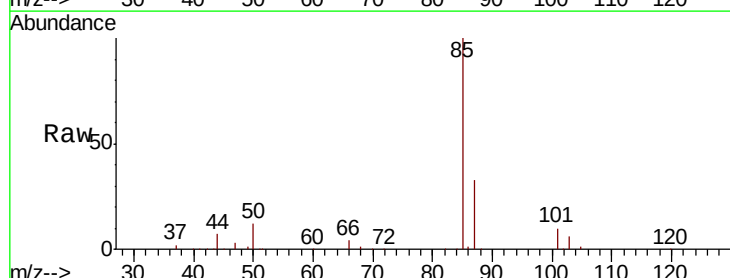
Acq: 07 Nov 2018 13:25

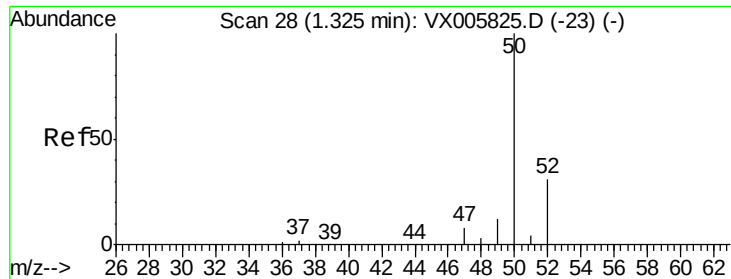
Tgt Ion: 85 Resp: 55291

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9





#3

Chloromethane

Concen: 42.484 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 69461

Ion Ratio Lower Upper

50 100

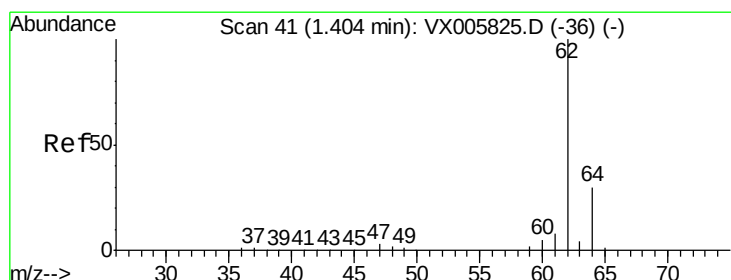
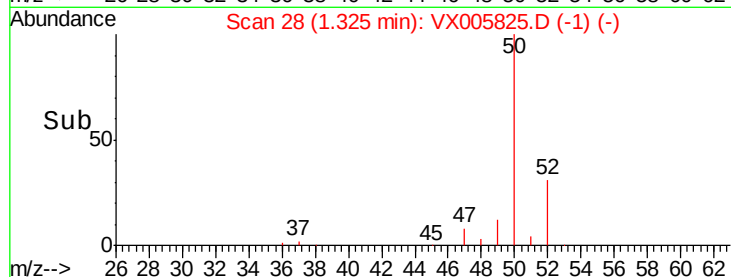
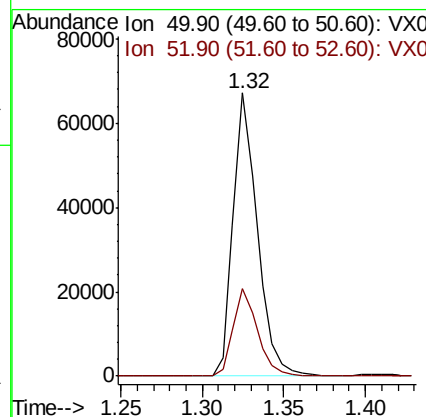
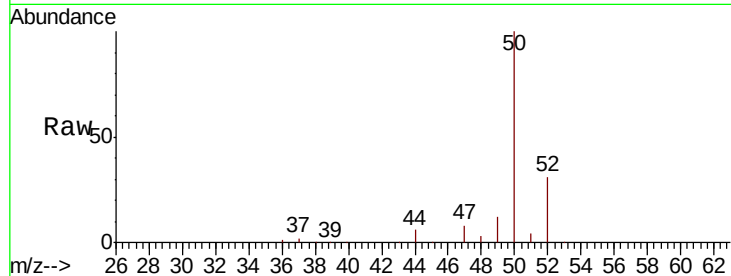
52 31.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.427 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005825.D

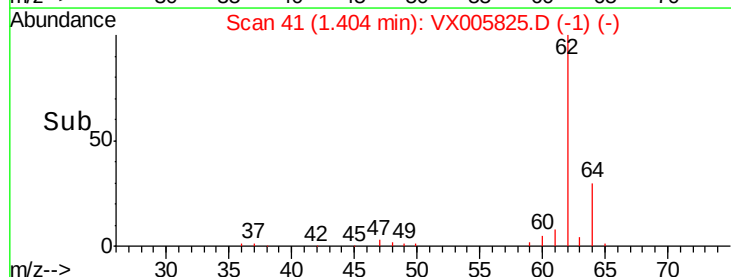
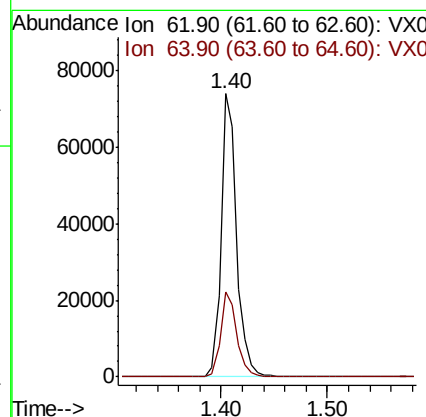
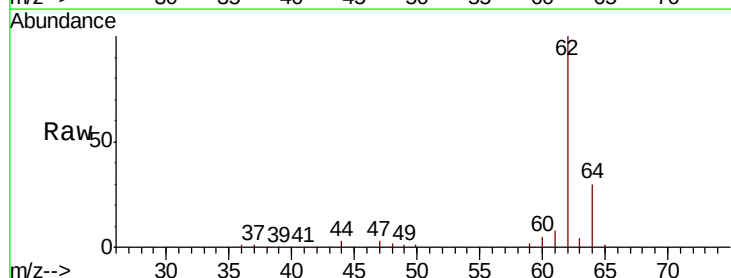
Acq: 07 Nov 2018 13:25

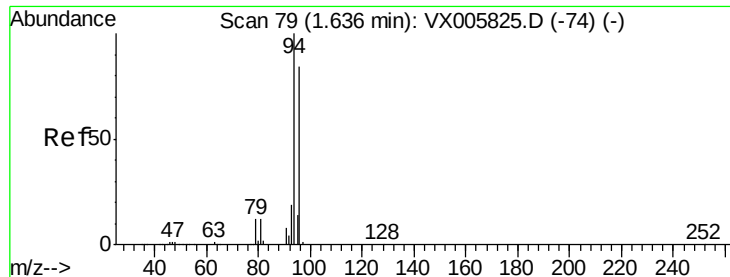
Tgt Ion: 62 Resp: 73872

Ion Ratio Lower Upper

62 100

64 30.1 25.3 37.9





#5

Bromomethane

Concen: 20.442 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 43147

Ion Ratio Lower Upper

94 100

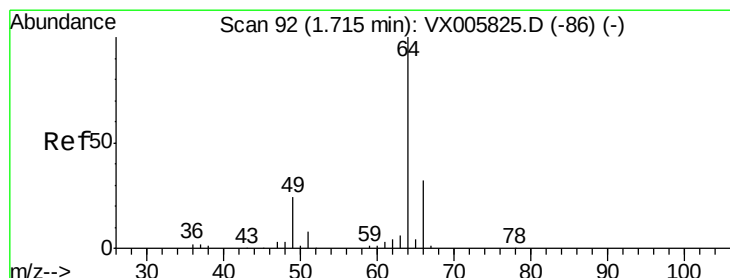
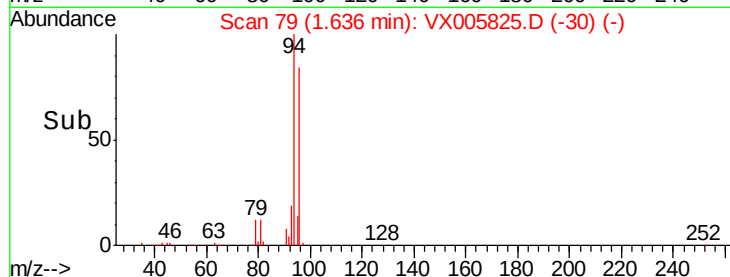
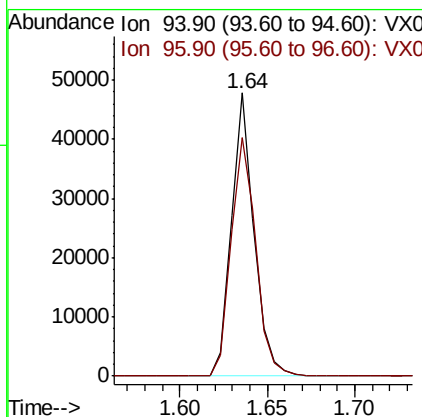
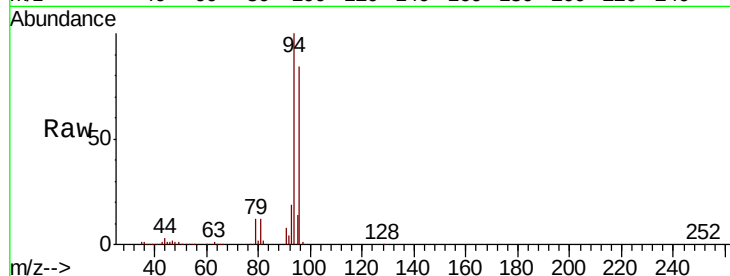
96 84.2 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 34.477 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005825.D

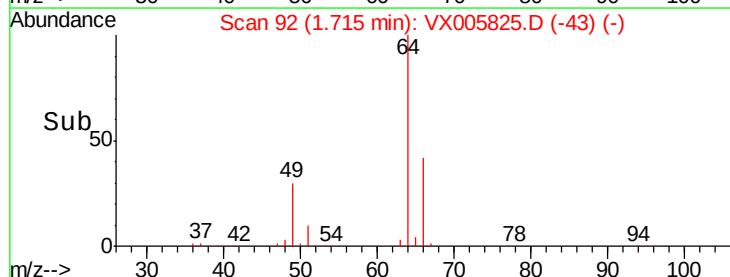
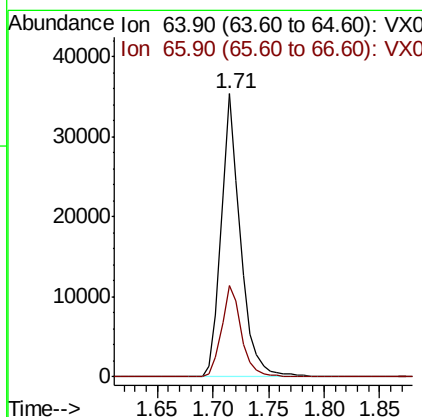
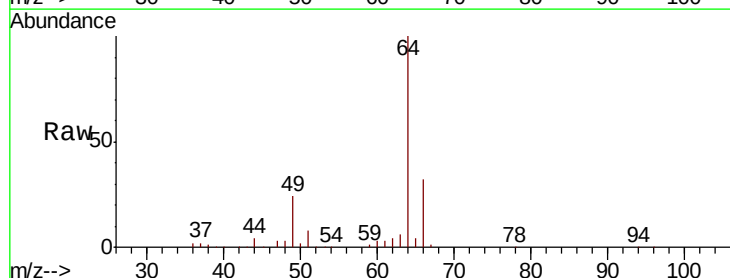
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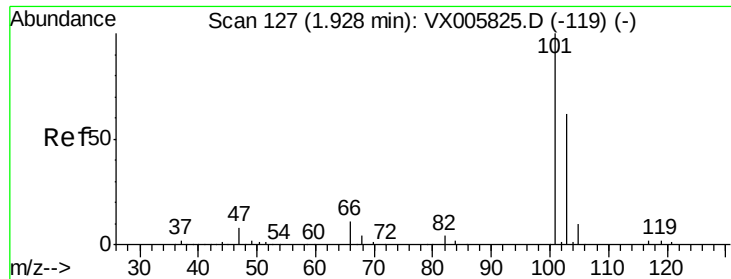
Tgt Ion: 64 Resp: 42587

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.6





#7

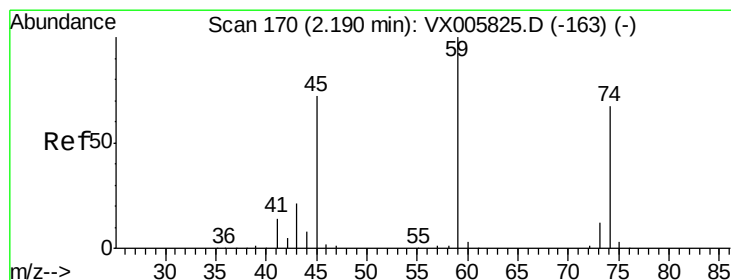
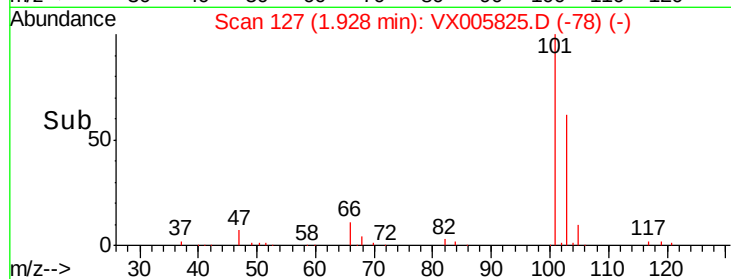
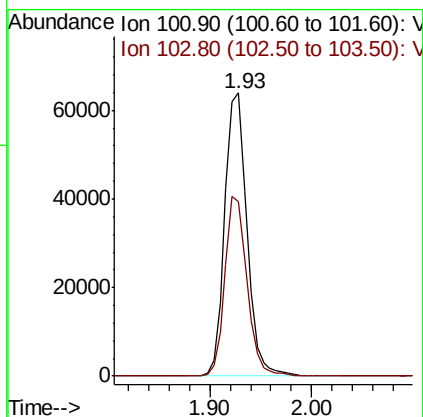
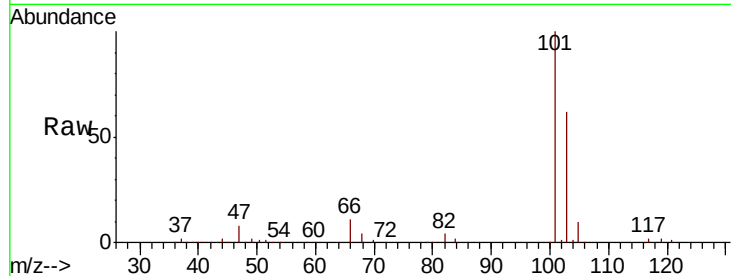
Trichlorofluoromethane
 Concen: 44.287 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		96696		
103	61.6	50.0	75.0		

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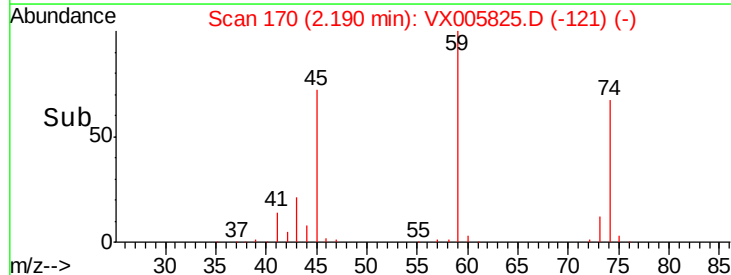
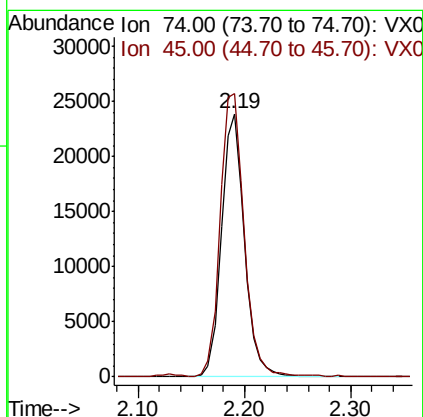
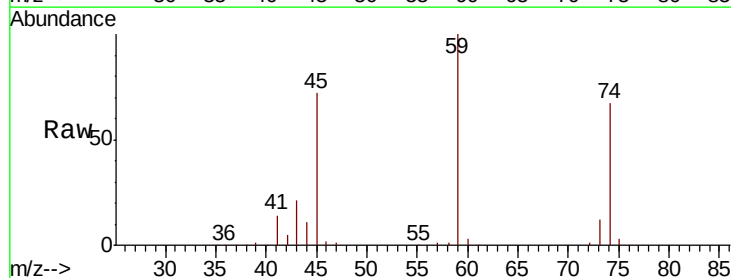
MMDadoda
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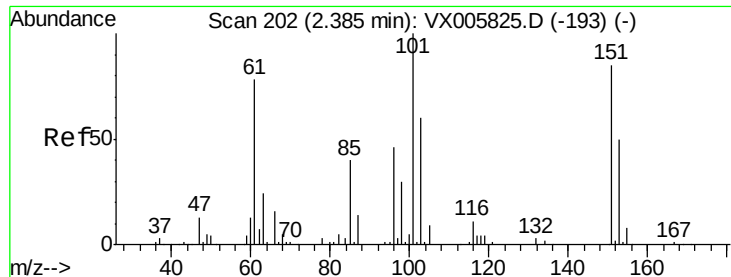


#8

Diethyl Ether
 Concen: 36.598 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		35918		
45	111.7	54.1	162.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.246 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

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MSVOA_X

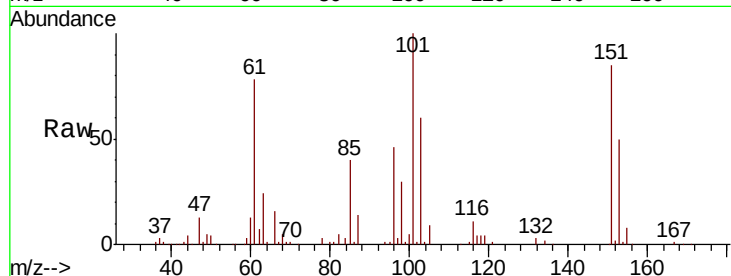
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VSTDICCC050

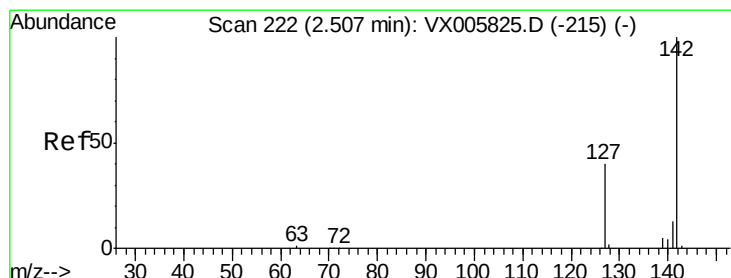
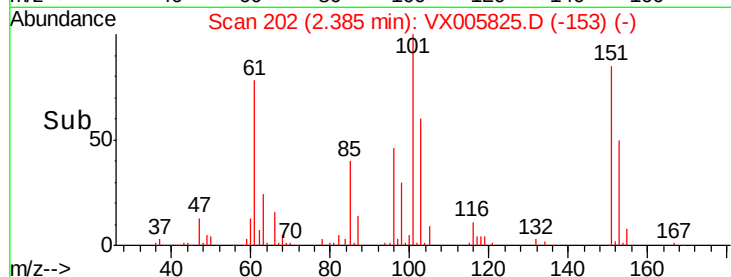
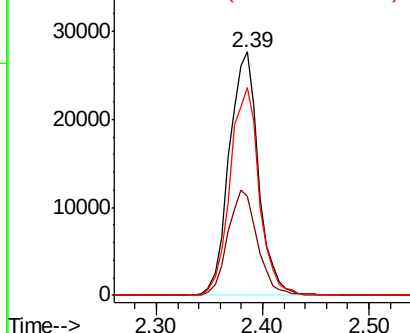
Tot Ion:	101	Resp:	53376
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.0	52.4
151	85.2	66.2	99.2

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



#10

Methyl Iodide

Concen: 60.324 ug/l

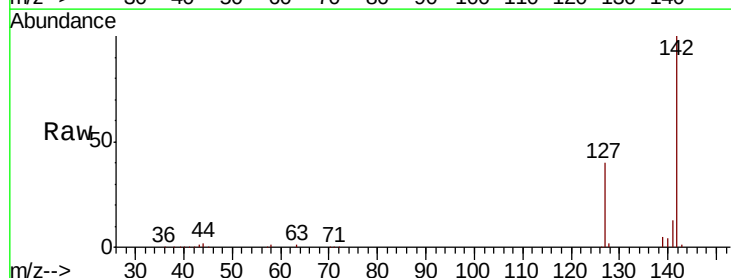
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

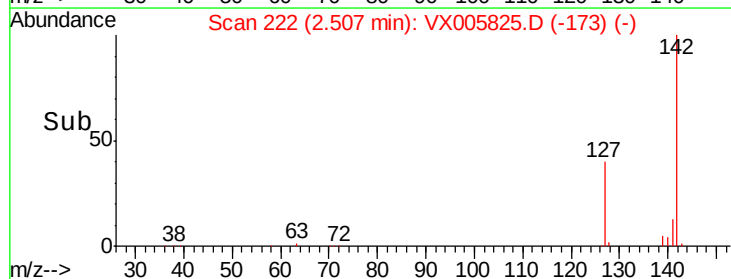
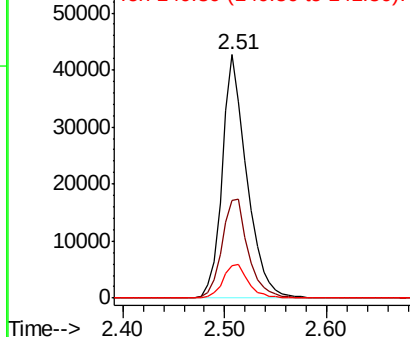
Lab File: VX005825.D

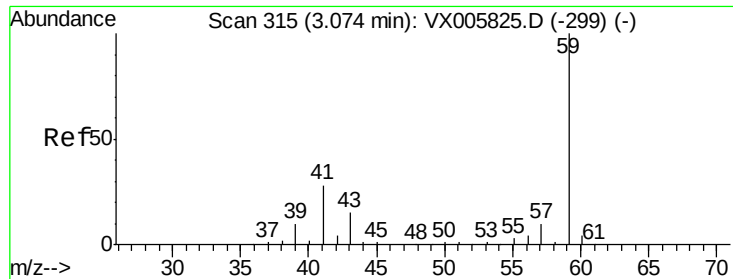
Acq: 07 Nov 2018 13:25

Tgt Ion:	142	Resp:	71394
Ion Ratio	Lower	Upper	
142	100		
127	43.6	36.0	54.0
141	14.4	11.7	17.5



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





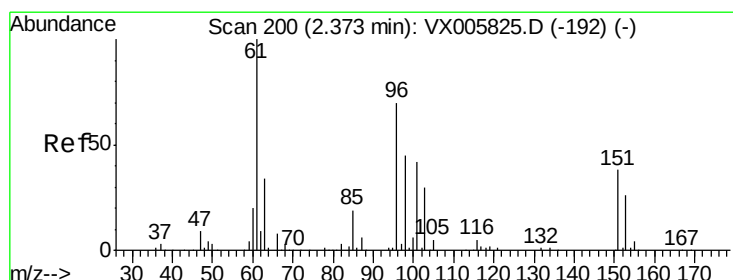
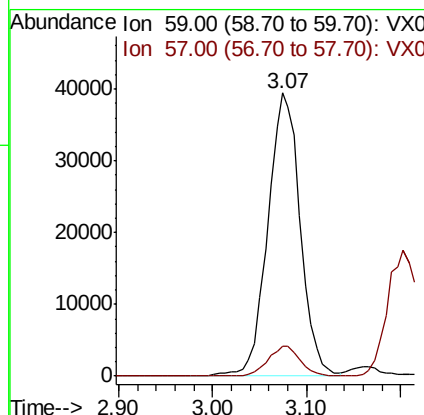
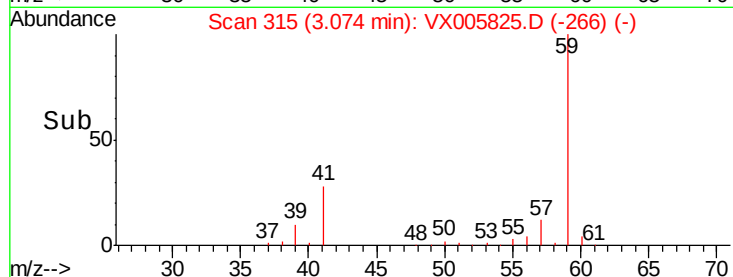
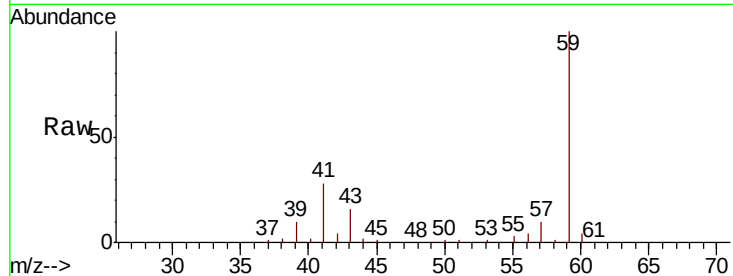
#11
Tert butyl alcohol
Concen: 199.980 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 59 Resp: 95273
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

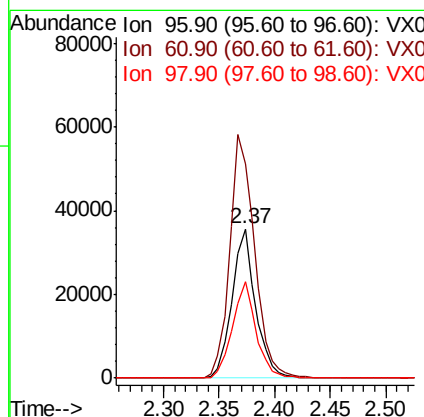
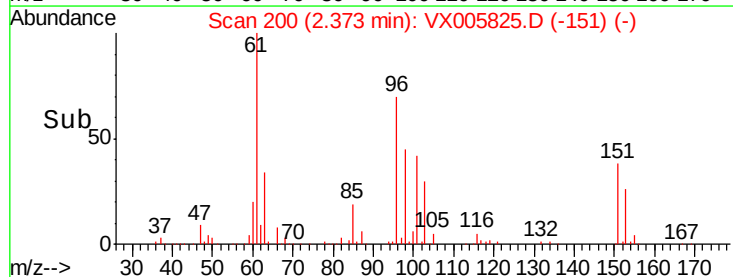
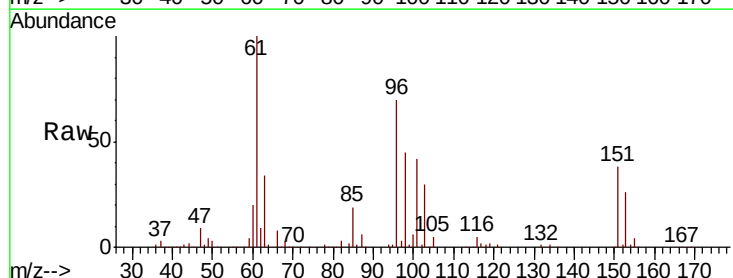
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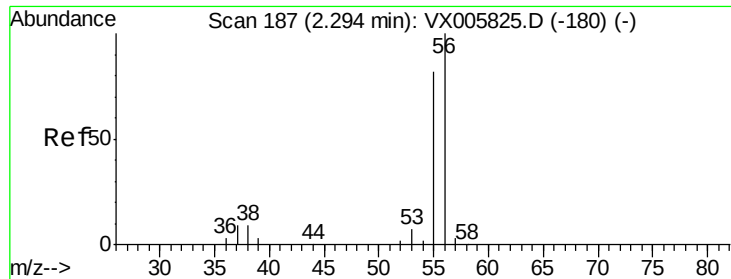
MMDadoda
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#12
1,1-Dichloroethene
Concen: 40.394 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion: 96 Resp: 52203
Ion Ratio Lower Upper
96 100
61 143.5 131.8 197.8
98 65.0 53.4 80.2





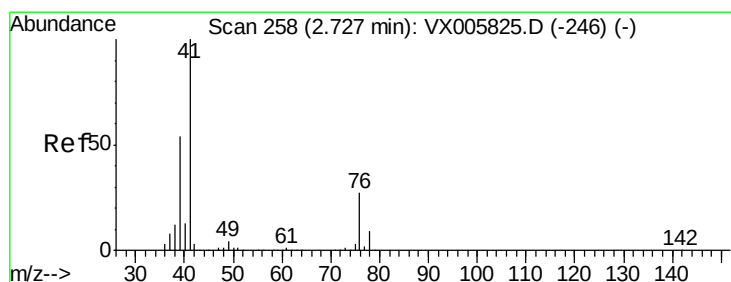
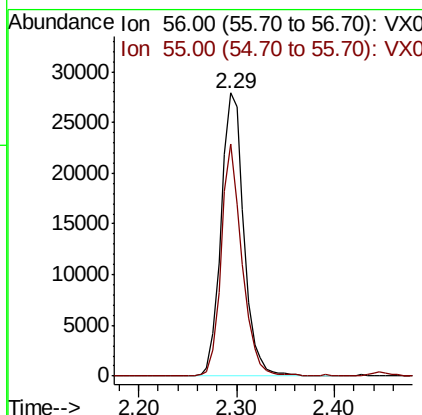
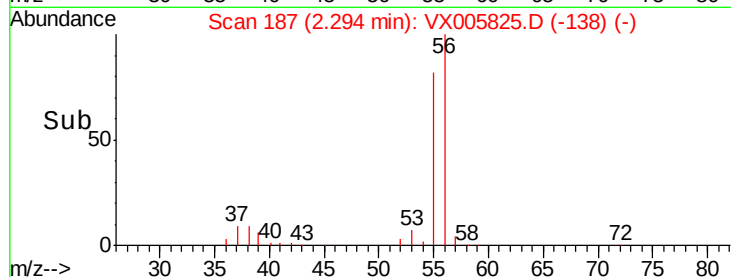
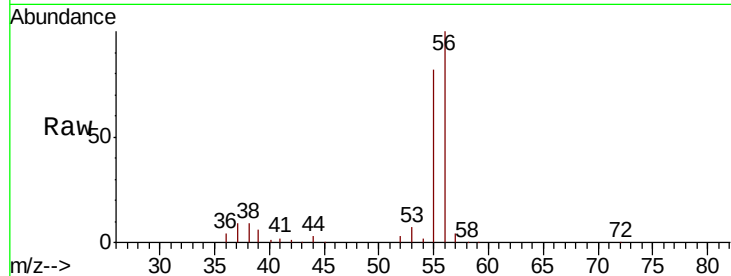
#13
Acrolein
Concen: 145.051 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 45351
Ion Ratio Lower Upper
56 100
55 74.1 57.3 85.9

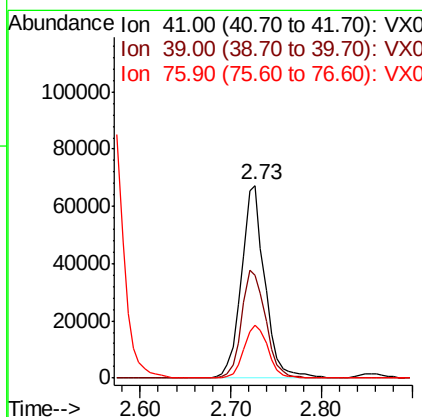
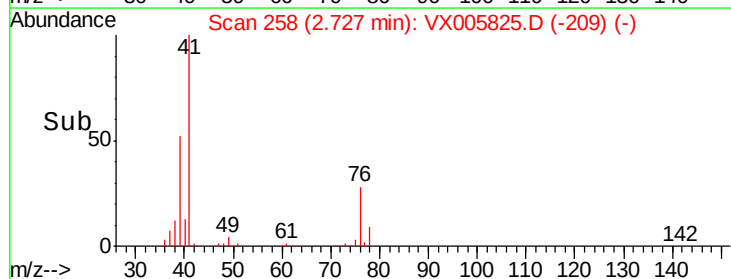
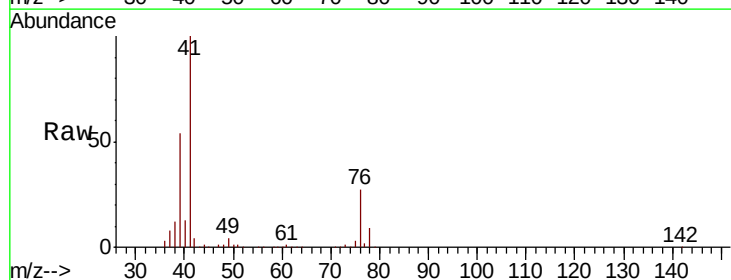
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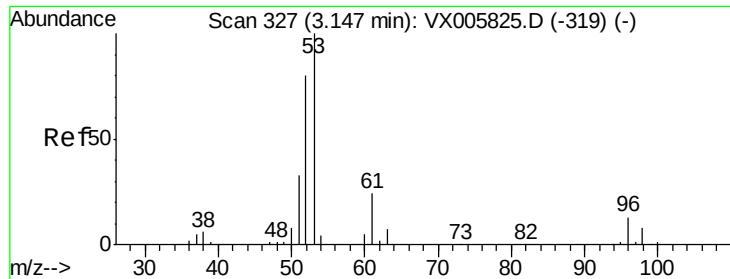
MMDadoda
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#14
Allyl chloride
Concen: 45.067 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion: 41 Resp: 120431
Ion Ratio Lower Upper
41 100
39 57.8 48.2 72.4
76 28.1 21.9 32.9





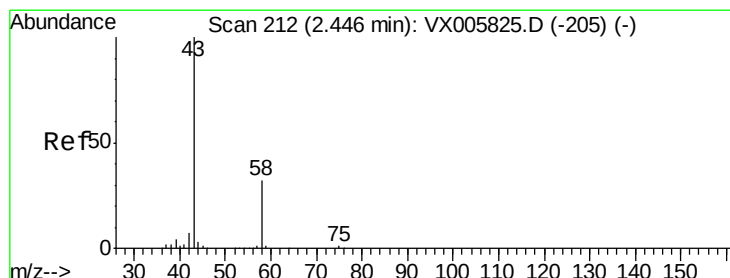
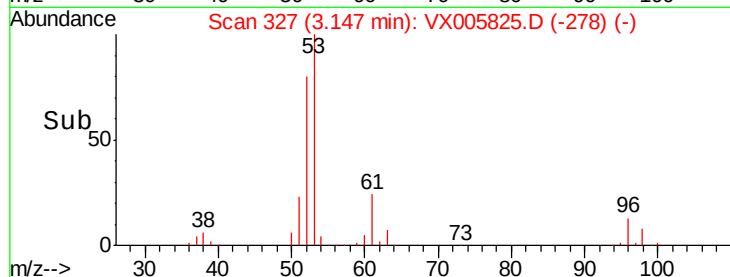
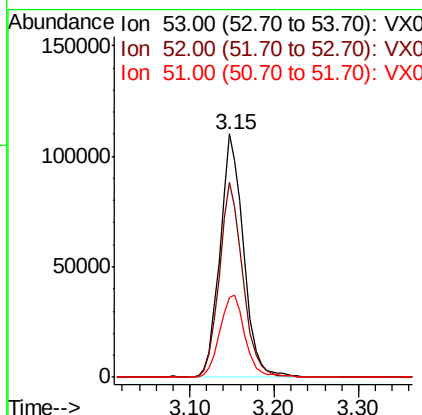
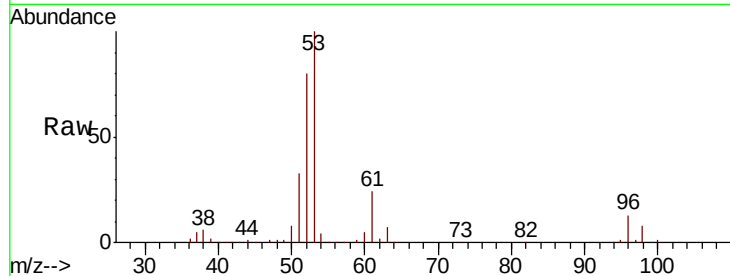
#15
 Acrylonitrile
 Concen: 201.484 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.2	66.6	99.8
51	36.4	28.4	42.6

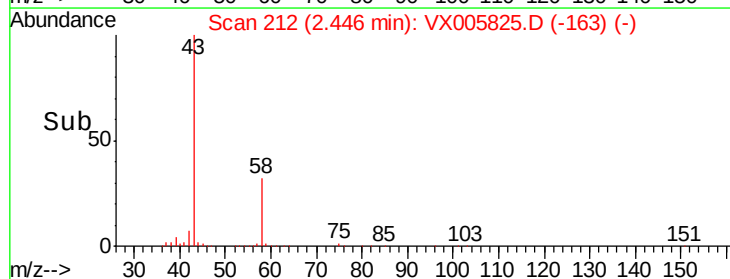
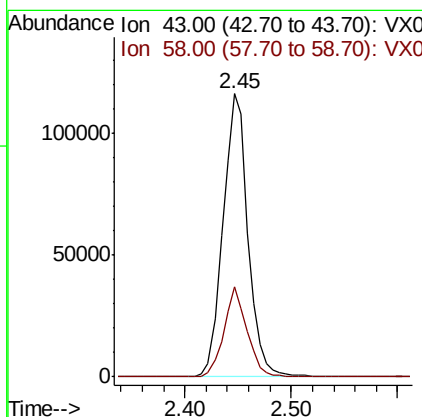
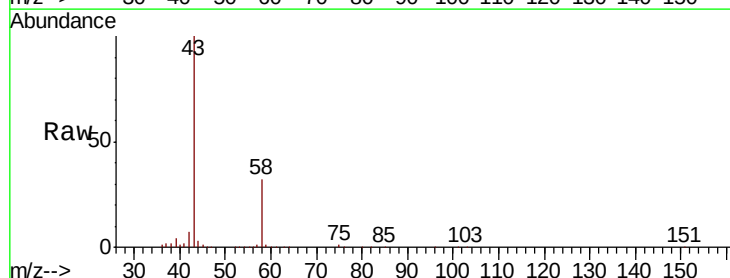
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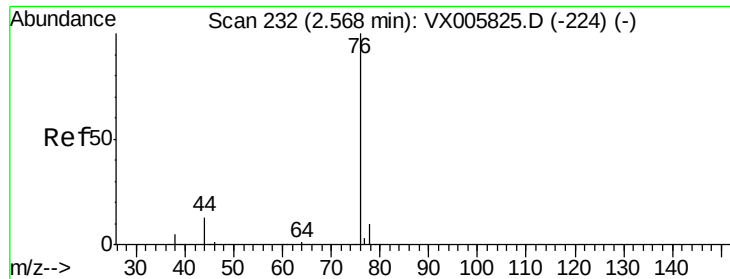
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#16
 Acetone
 Concen: 188.880 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.8	23.8	35.6





#17

Carbon Disulfide

Concen: 40.774 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 161925

Ion Ratio Lower Upper

76 100

78 9.9

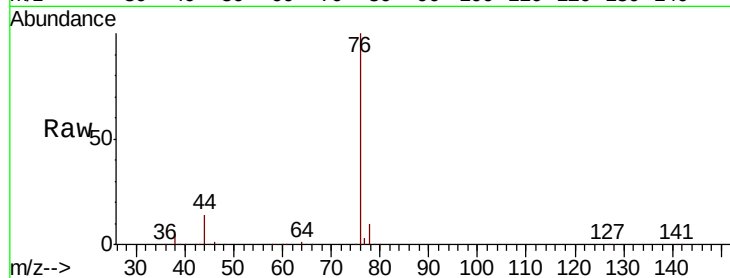
7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

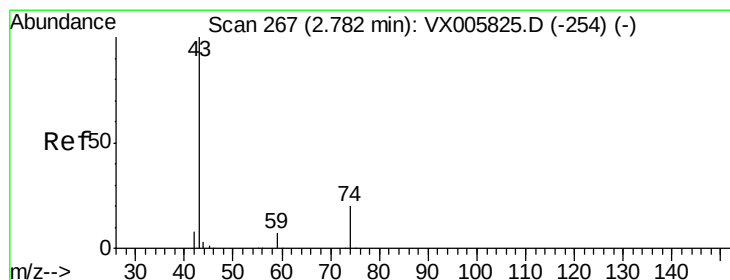
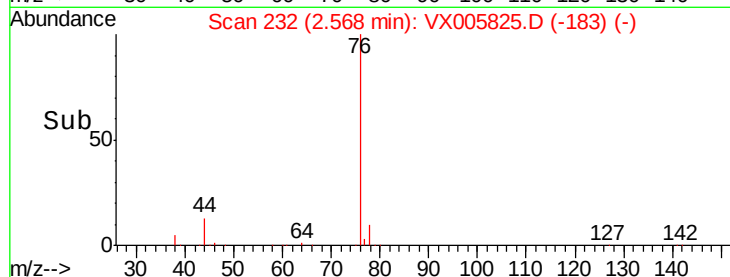
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 40.982 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

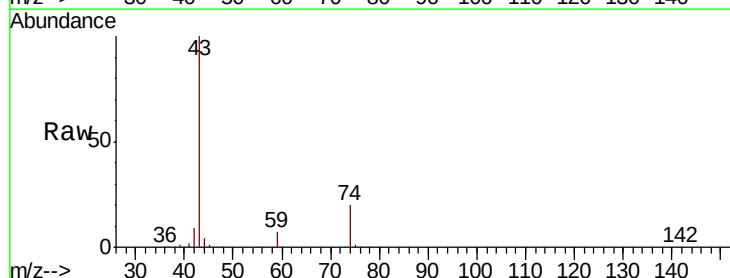
Tgt Ion: 43 Resp: 103178

Ion Ratio Lower Upper

43 100

74 20.3

16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

60000

50000

40000

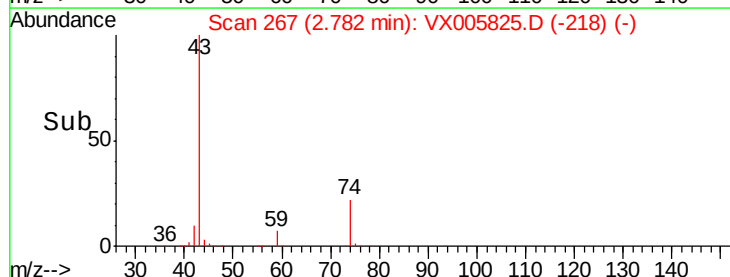
30000

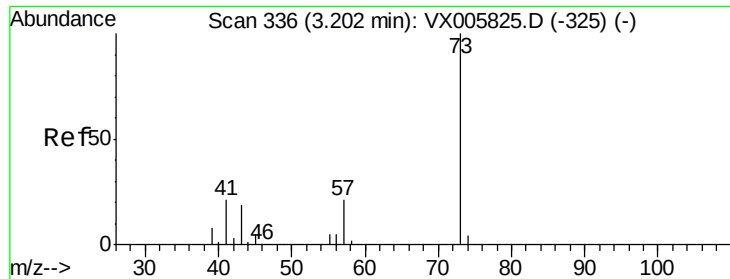
20000

10000

0

Time-->





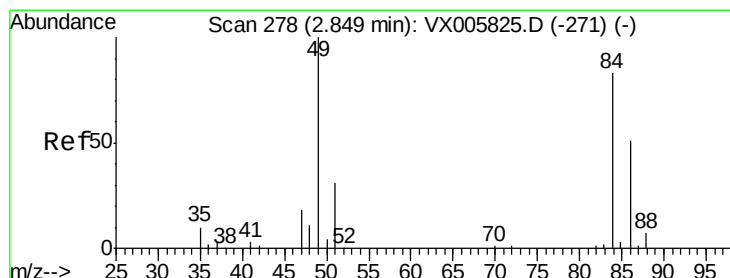
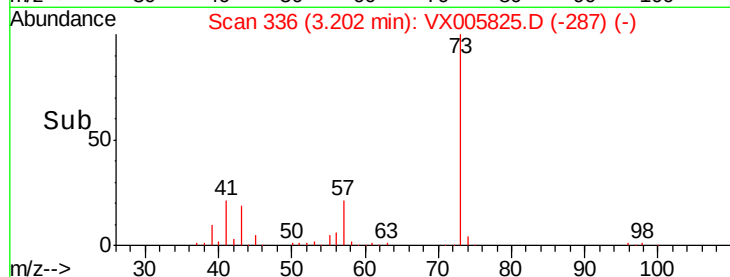
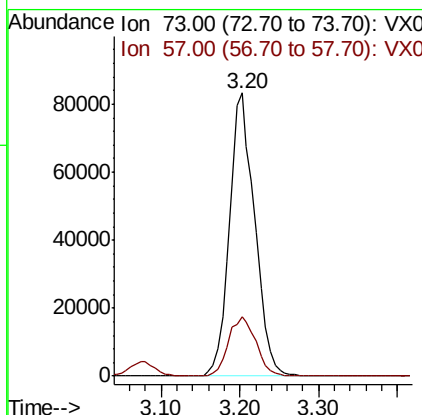
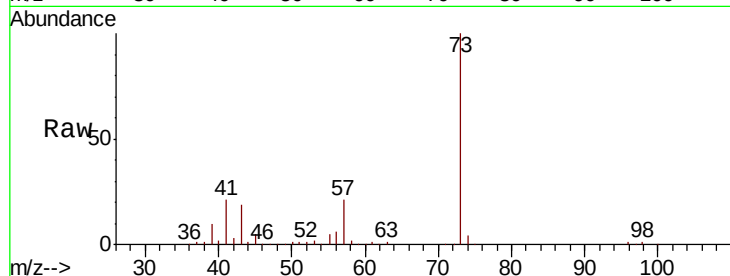
#19
Methyl tert-butyl Ether
Concen: 41.327 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 184874
Ion Ratio Lower Upper
73 100
57 21.1 18.8 28.2

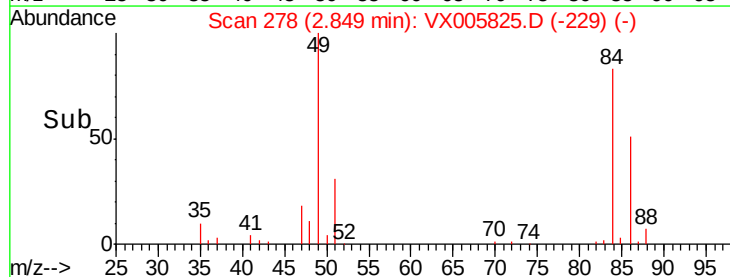
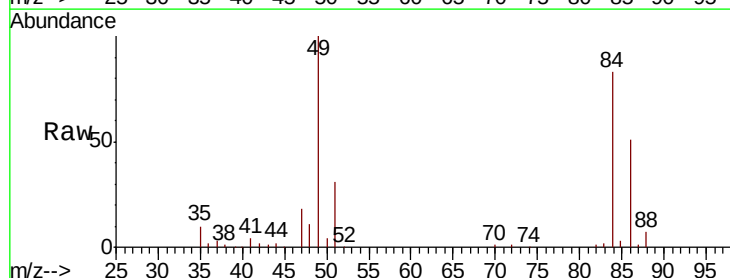
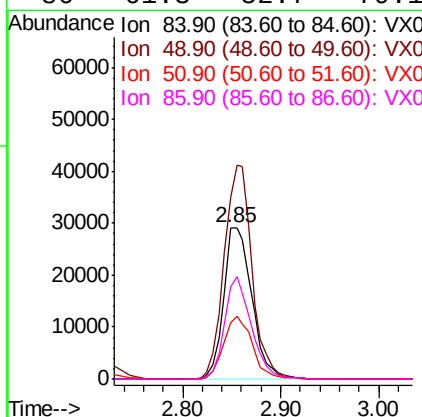
Manual Integrations
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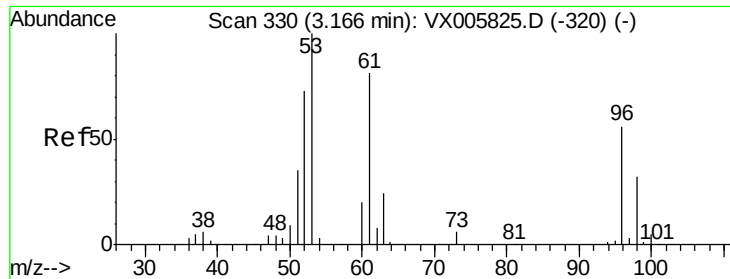
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#20
Methylene Chloride
Concen: 38.421 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion: 84 Resp: 58122
Ion Ratio Lower Upper
84 100
49 120.5 109.5 164.3
51 37.2 33.3 49.9
86 61.3 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 41.896 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 57292

Ion Ratio Lower Upper

96 100

61 143.4 115.6 173.4

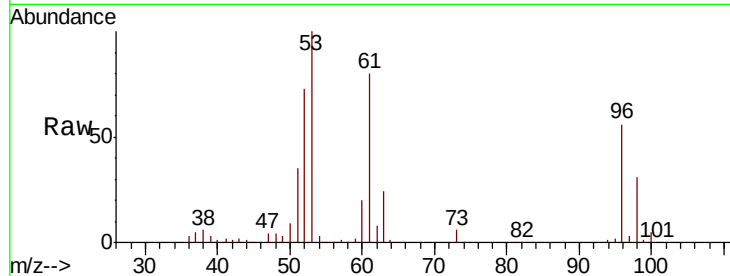
98 56.1 50.2 75.2

Manual Integrations

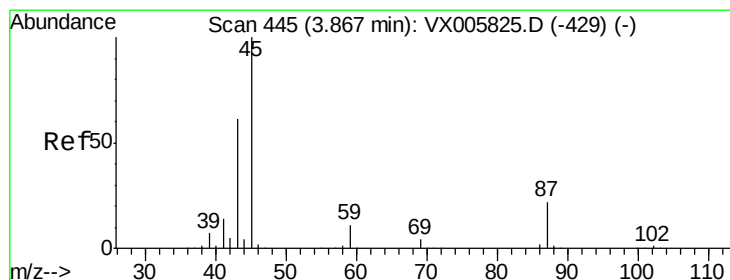
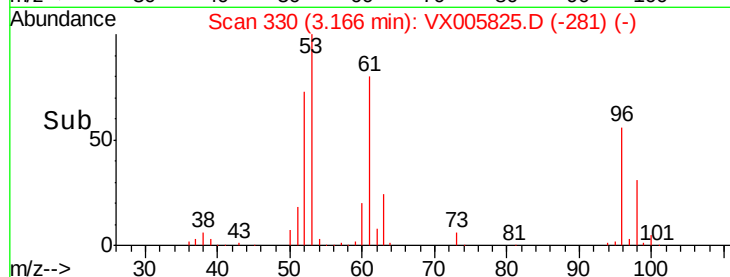
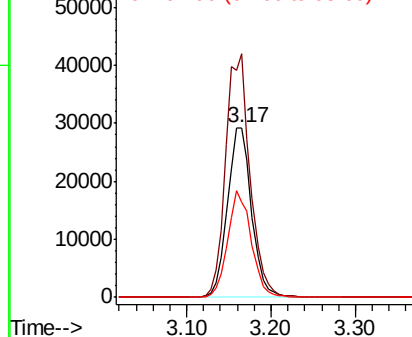
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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 42.211 ug/l

RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Tgt Ion: 45 Resp: 209244

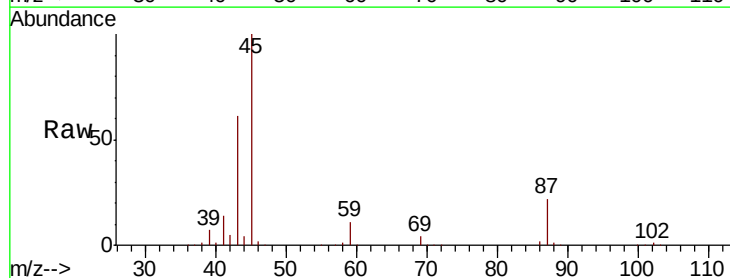
Ion Ratio Lower Upper

45 100

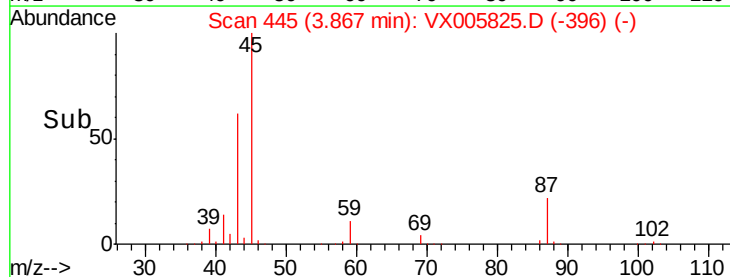
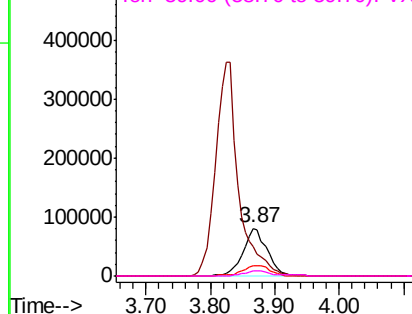
43 61.1 47.4 71.2

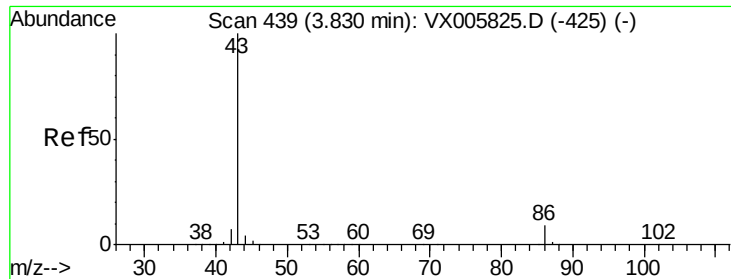
87 22.0 15.9 23.9

59 10.7 7.7 11.5



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 211.272 ug/l

RT: 3.83 min Scan# 439

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 912216

Ion Ratio Lower Upper

43 100

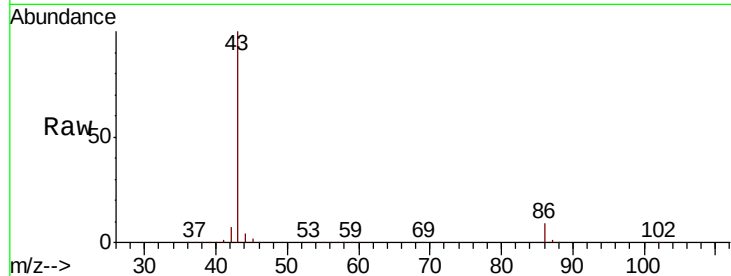
86 9.2 7.4 11.2

Manual Integrations

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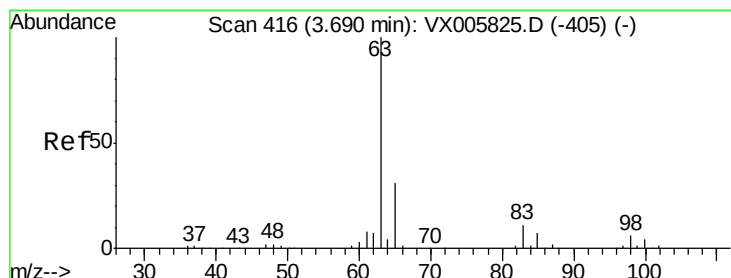
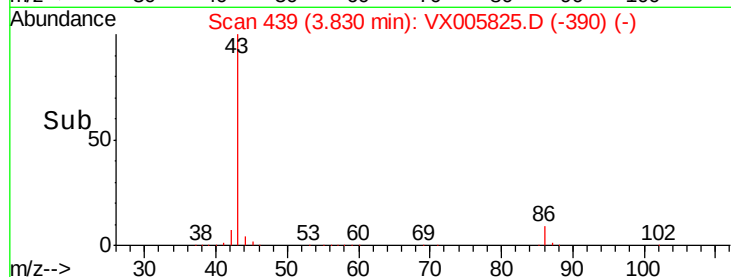
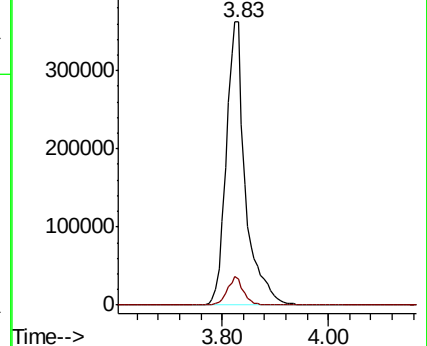
MMDadoda

11/8/2018 10:35:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 38.770 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

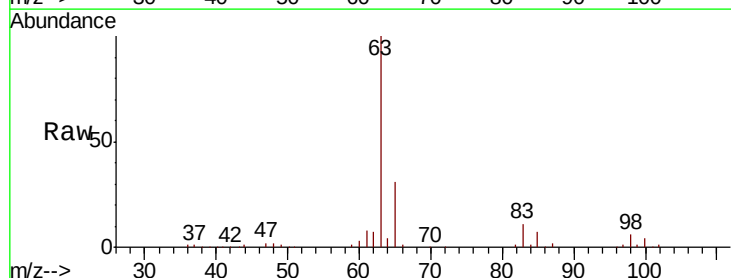
Tgt Ion: 63 Resp: 108673

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

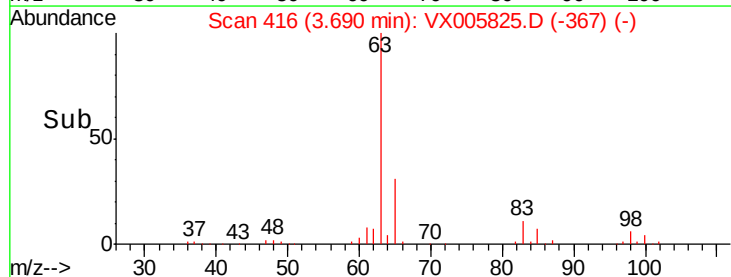
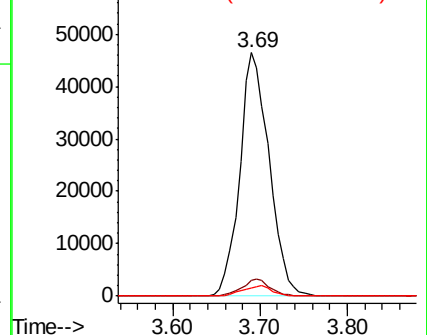
100 3.5 2.1 6.2

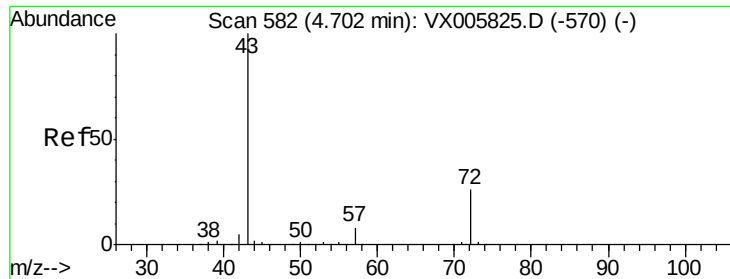


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 205.810 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 304564

Ion Ratio Lower Upper

43 100

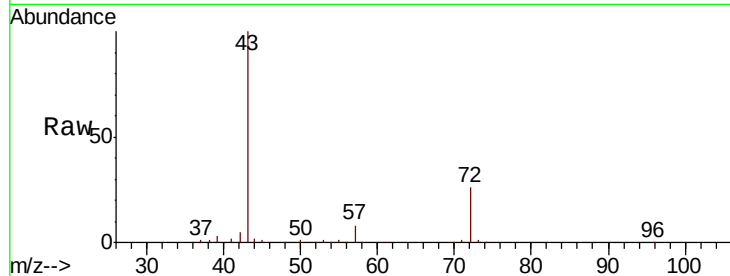
72 25.9 19.2 28.8

Manual Integrations

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11/8/2018 10:35:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

40000

20000

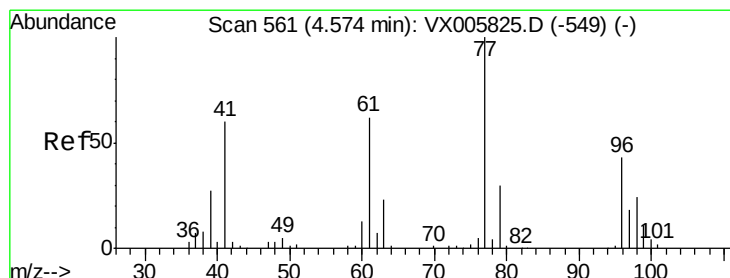
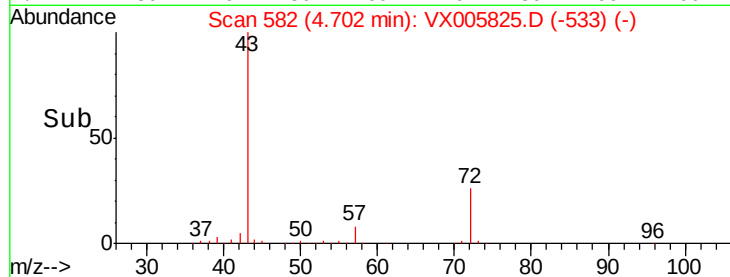
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 39.761 ug/l

RT: 4.57 min Scan# 561

Delta R.T. 0.00 min

Lab File: VX005825.D

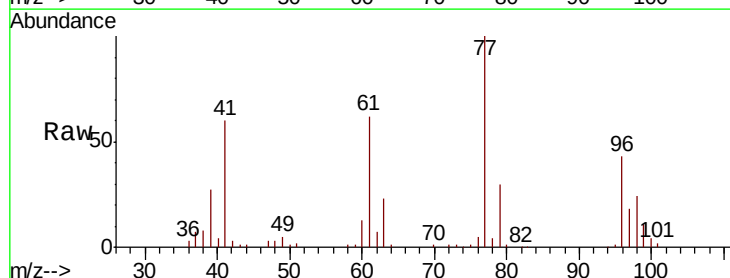
Acq: 07 Nov 2018 13:25

Tgt Ion: 77 Resp: 83313

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

10000

5000

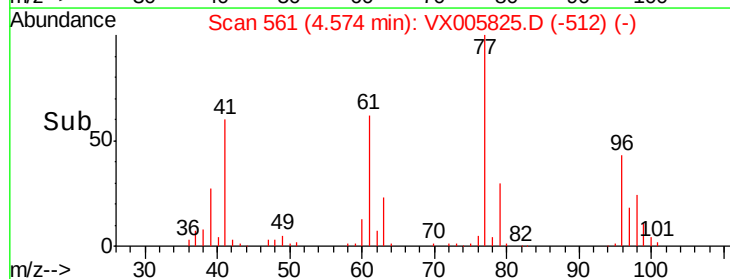
0

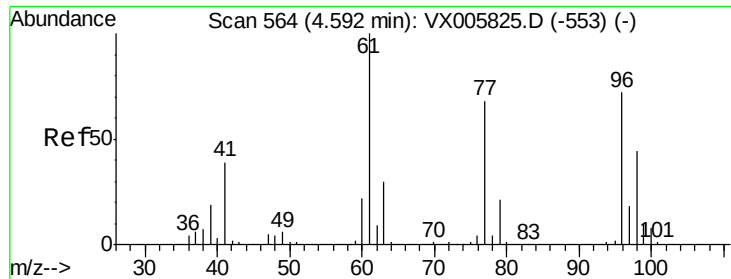
4.50

4.60

4.70

Time-->





#27

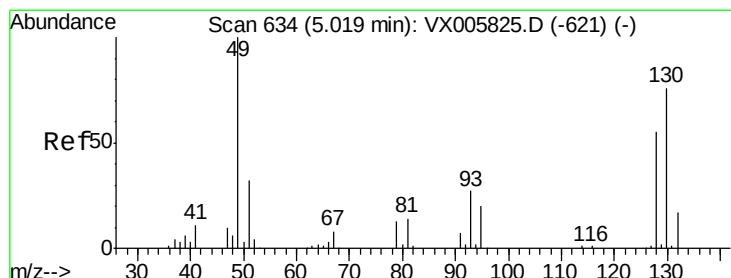
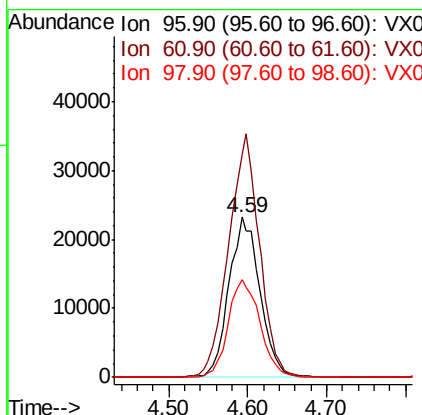
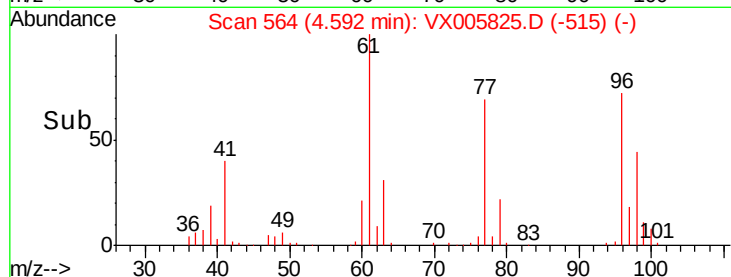
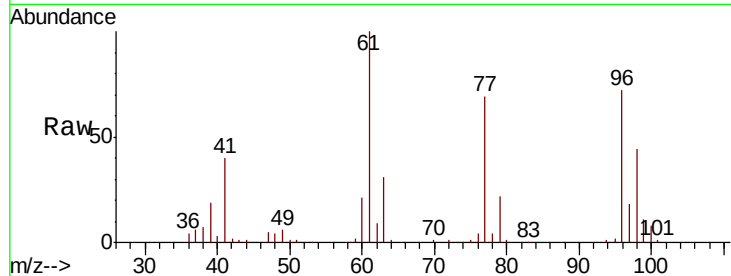
cis-1,2-Dichloroethene
Concen: 41.225 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	304.6
98	62.7	0.0	127.4

Manual Integrations
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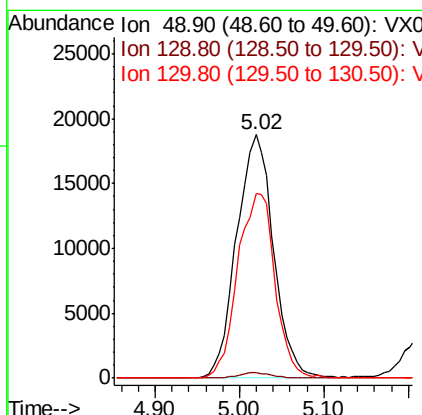
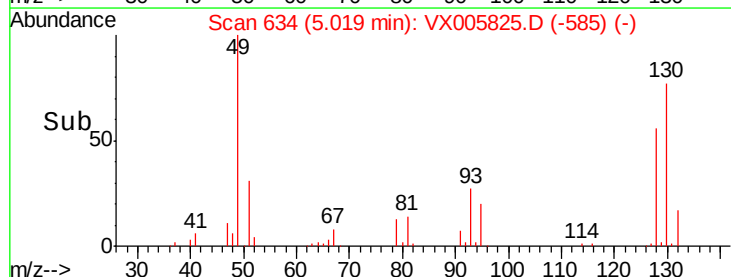
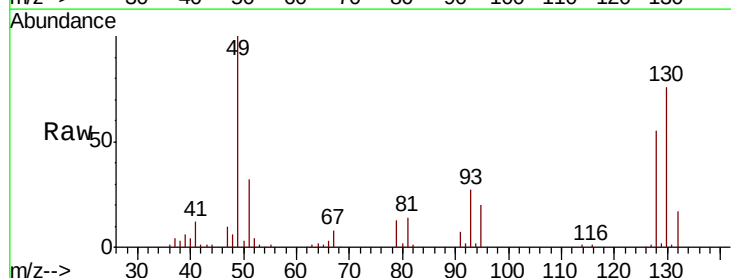
MMDadoda
11/8/2018 10:35:29 AM

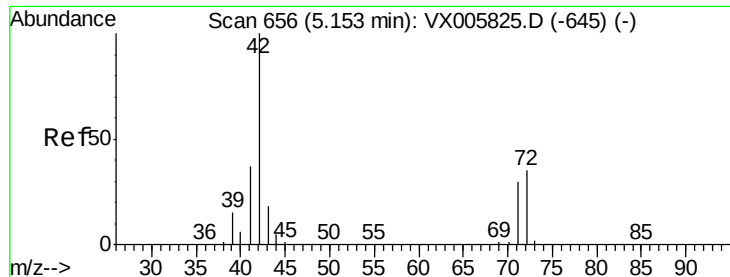


#28

Bromochloromethane
Concen: 40.697 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	76.5	58.9	88.3





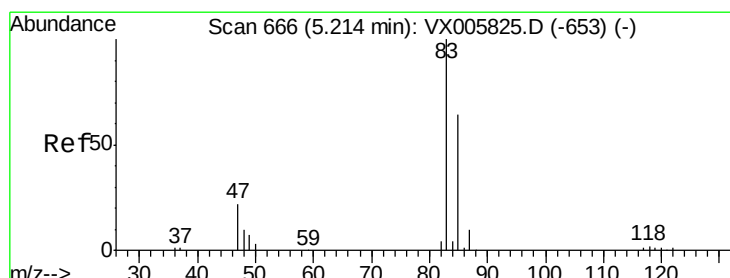
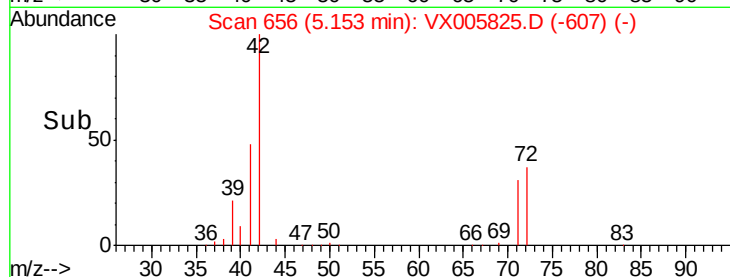
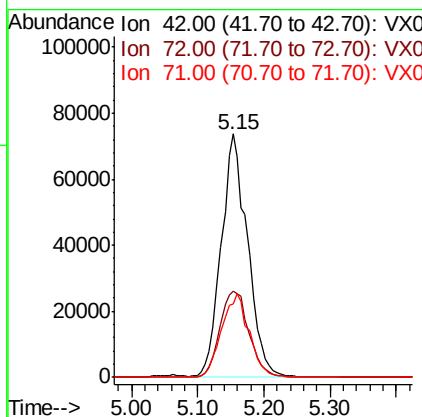
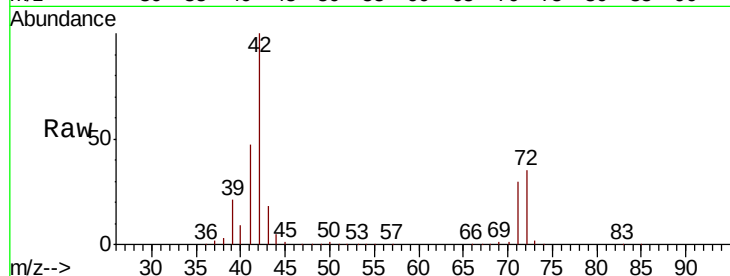
#29
Tetrahydrofuran
Concen: 224.417 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.0	48.0
71	36.0	29.8	44.8

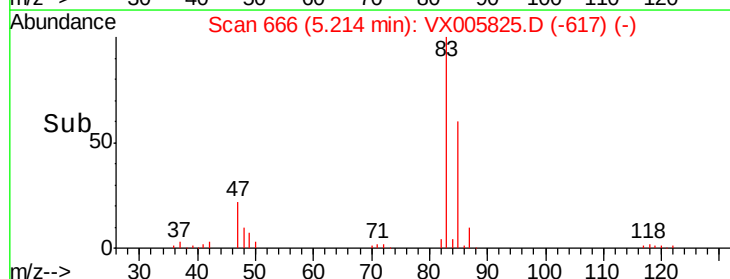
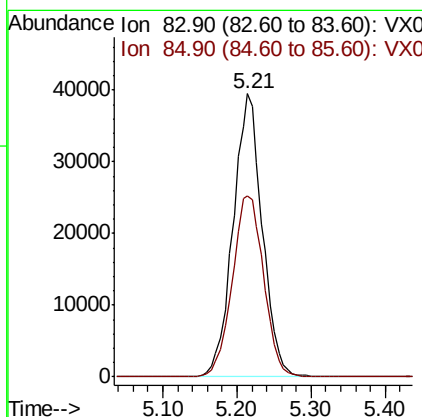
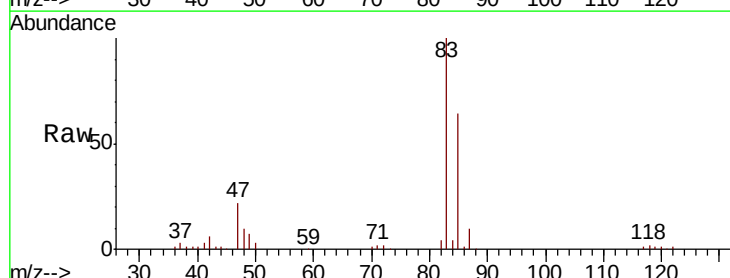
Manual Integrations
APPROVED

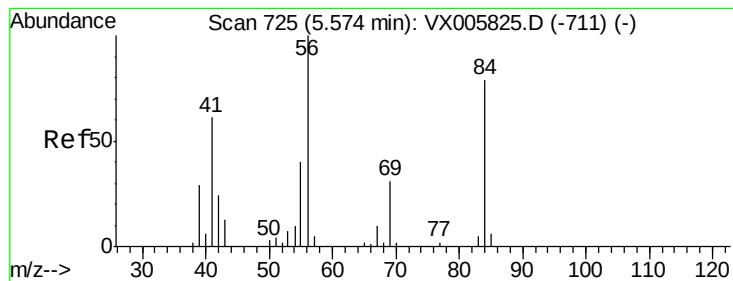
MMDadoda
11/8/2018 10:35:29 AM



#30
Chloroform
Concen: 39.482 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	76.0





#31

Cyclohexane

Concen: 42.901 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 100559

Ion Ratio Lower Upper

56 100

69 31.0 22.6 34.0

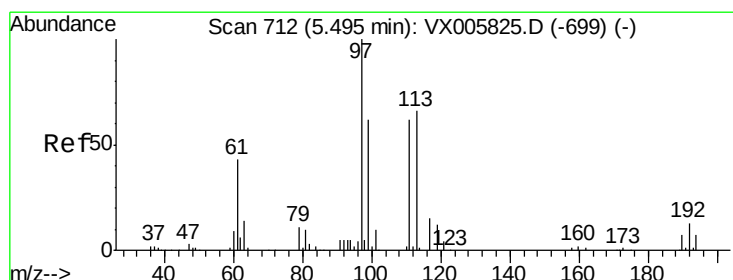
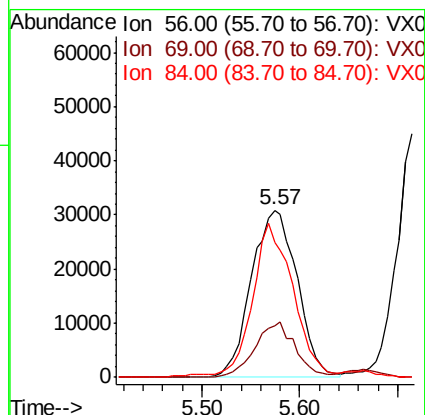
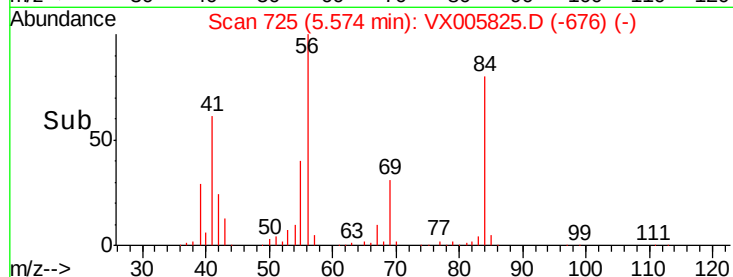
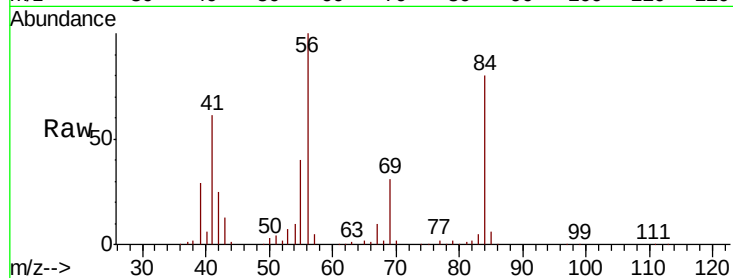
84 78.9 62.7 94.1

Manual Integrations

APPROVED

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#32

1,1,1-Trichloroethane

Concen: 42.447 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

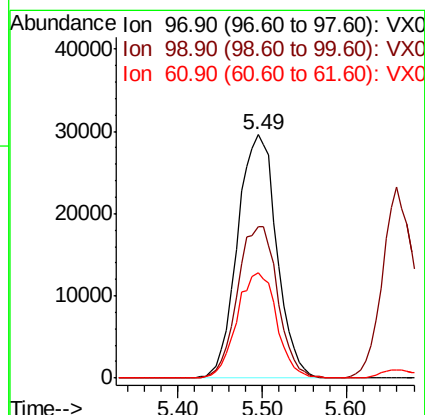
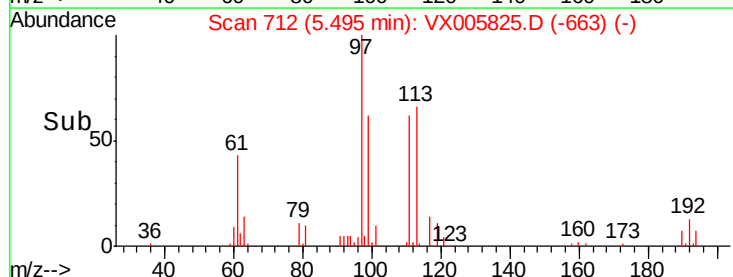
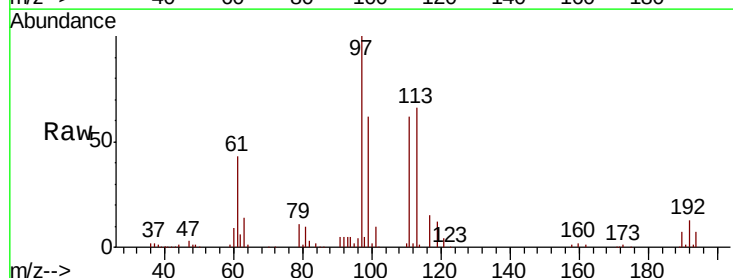
Tgt Ion: 97 Resp: 93098

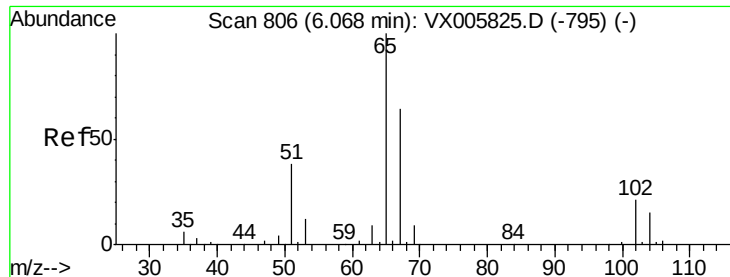
Ion Ratio Lower Upper

97 100

99 63.8 52.3 78.5

61 44.0 35.2 52.8





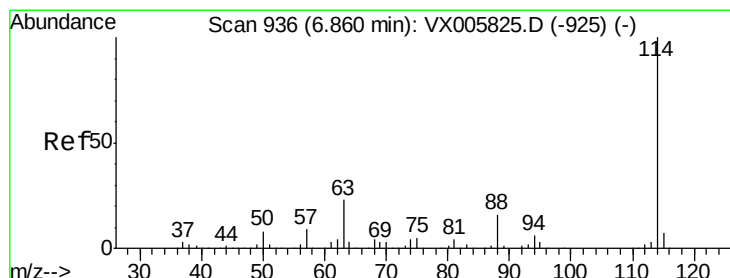
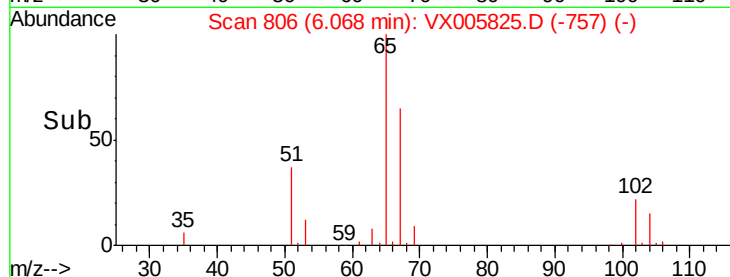
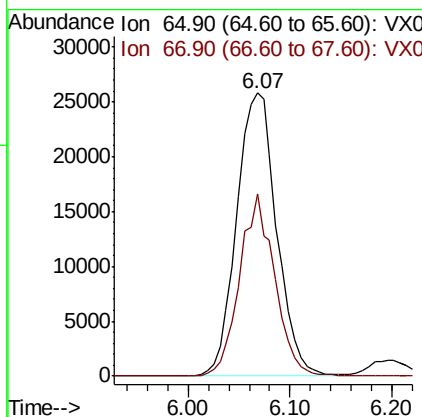
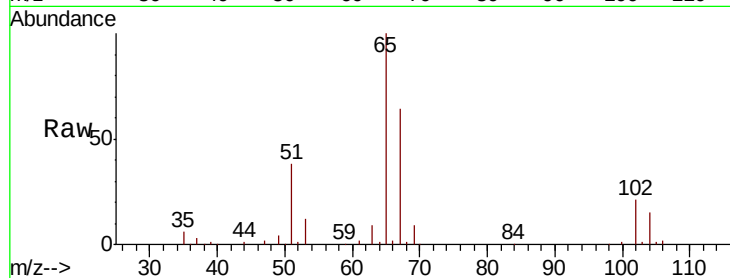
#33
 1,2-Dichloroethane-d4
 Concen: 40.001 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.4	0.0	105.0

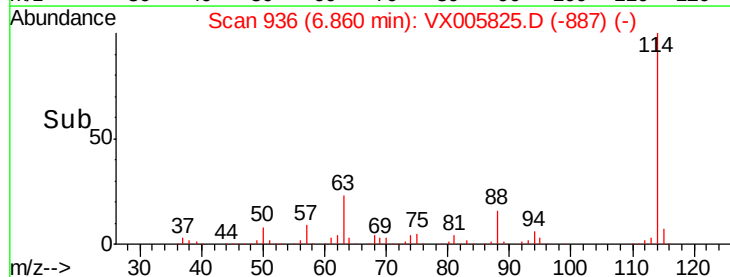
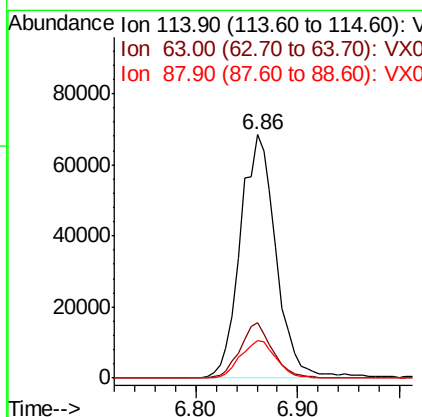
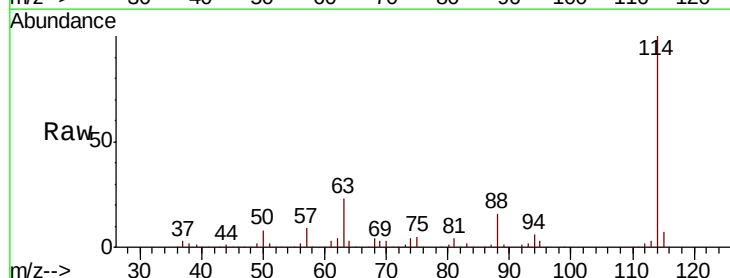
Manual Integrations
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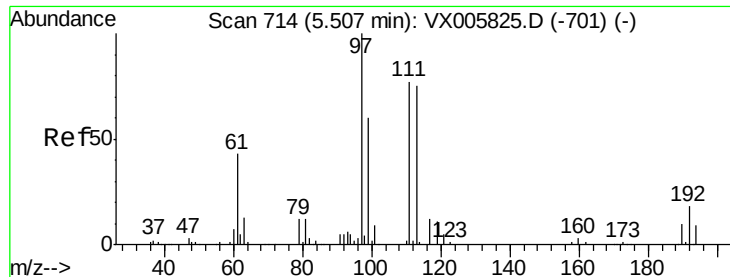
MMDadoda
 11/8/2018 10:35:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	42.8
88	15.6	0.0	31.2





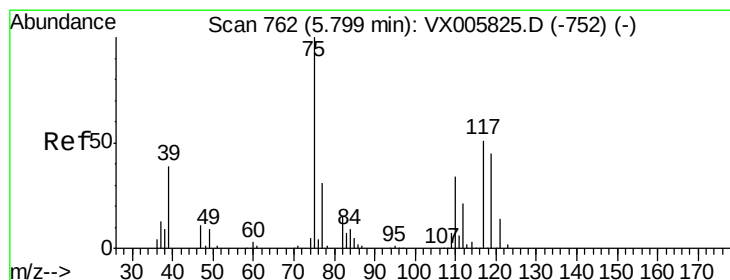
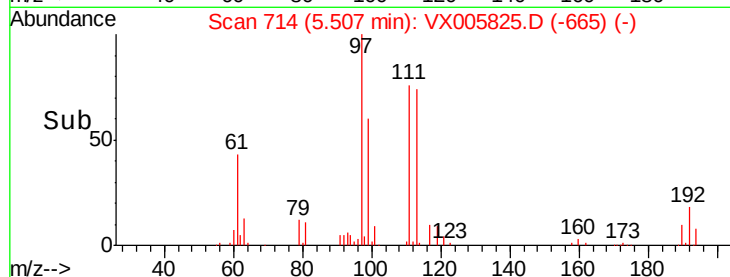
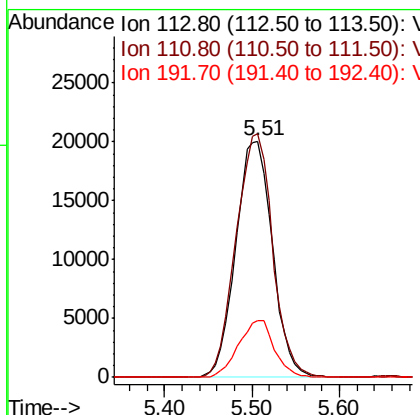
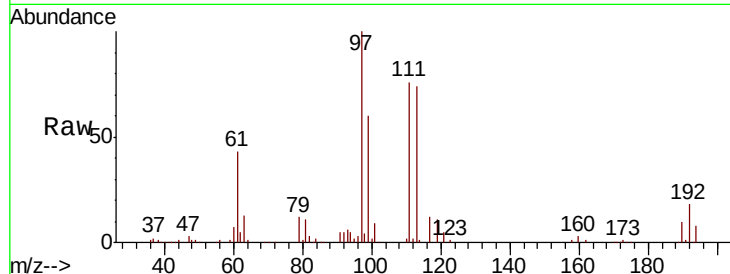
#35
Dibromofluoromethane
Concen: 51.058 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	58514		
111	103.0	82.3	123.5	
192	23.5	17.9	26.9	

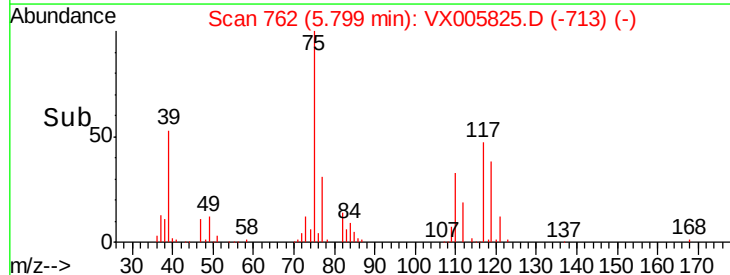
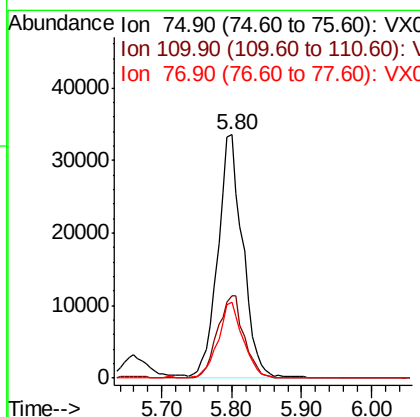
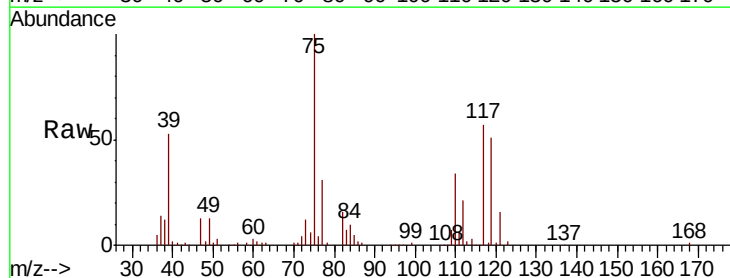
Manual Integrations
APPROVED

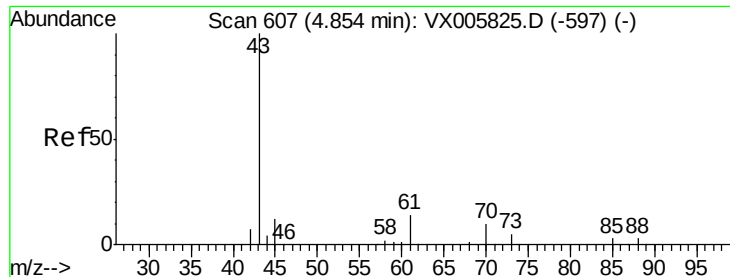
MMDadoda
11/8/2018 10:35:29 AM



#36
1,1-Dichloropropene
Concen: 46.817 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82558		
110	36.2	17.4	52.2	
77	31.5	25.8	38.6	





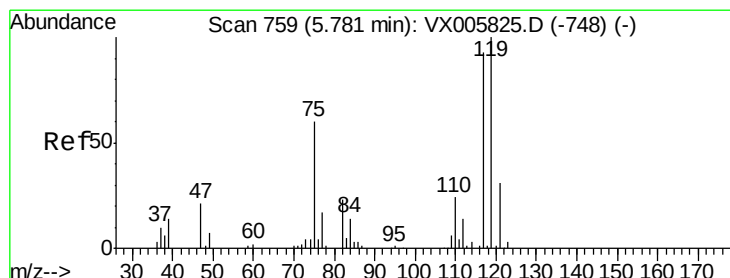
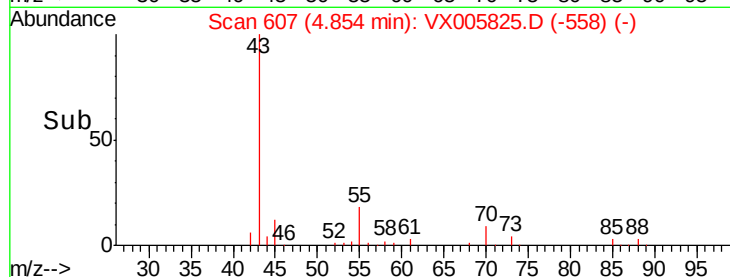
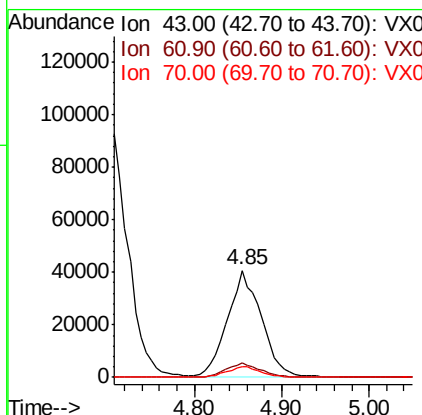
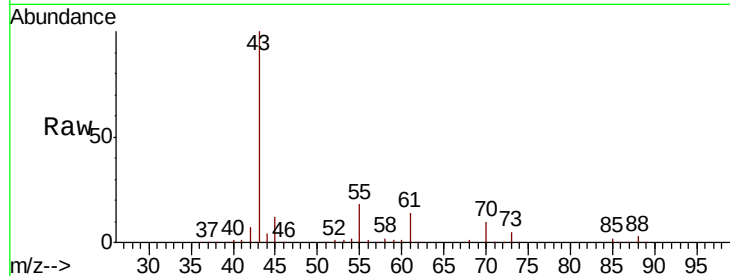
#37
Ethyl Acetate
Concen: 48.505 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	10.1	7.8	11.8

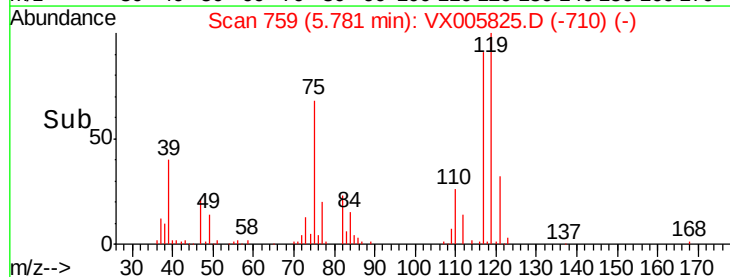
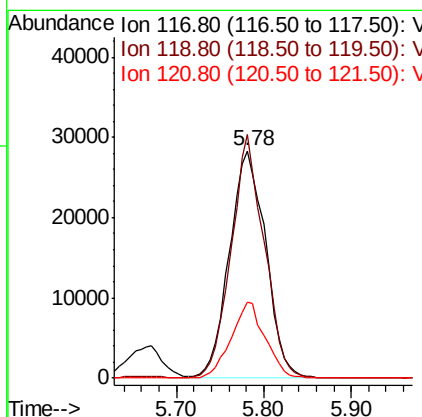
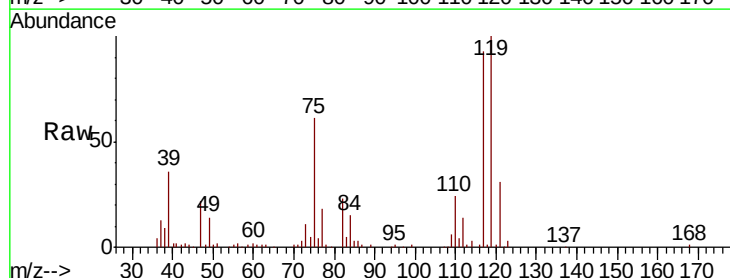
Manual Integrations
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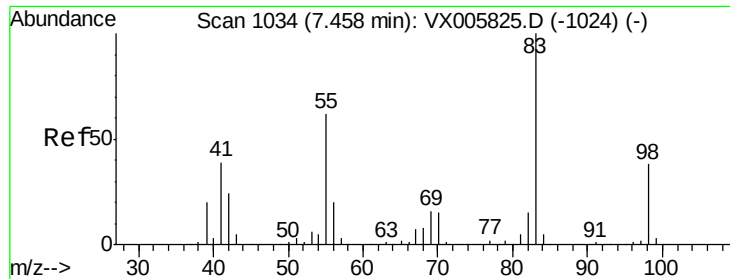
MMDadoda
11/8/2018 10:35:29 AM



#38
Carbon Tetrachloride
Concen: 51.231 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	107.0	78.1	117.1
121	33.7	24.6	36.8





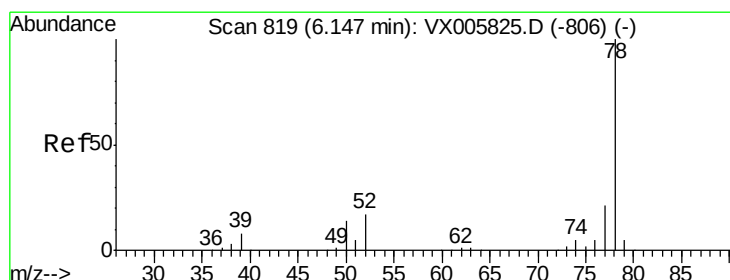
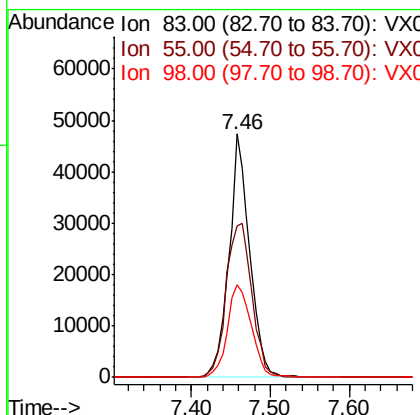
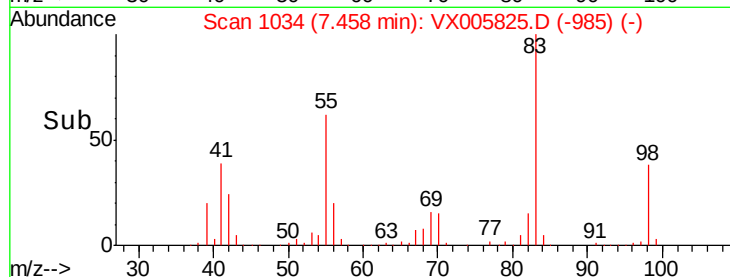
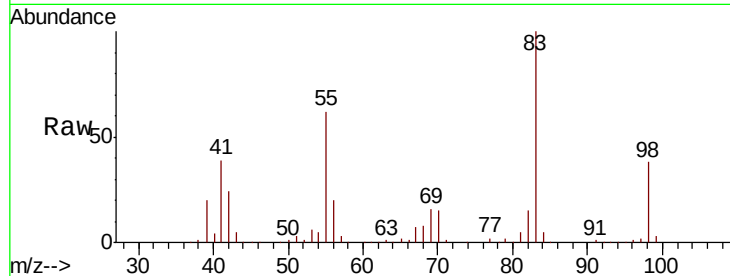
#39
Methylvlcyclohexane
Concen: 46.842 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.1	63.7	95.5#
98	38.3	36.2	54.2

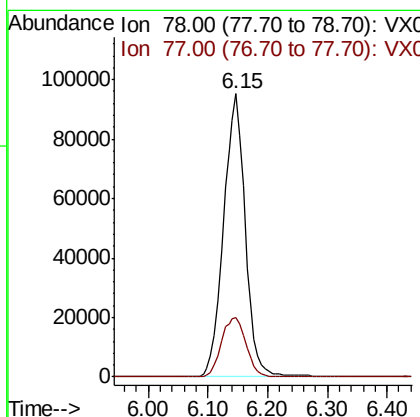
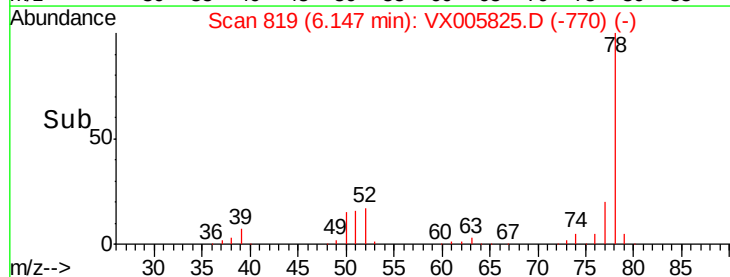
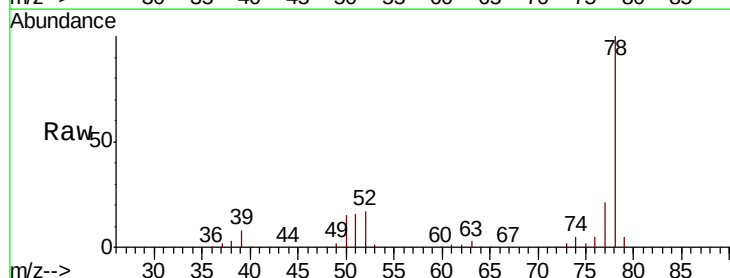
Manual Integrations
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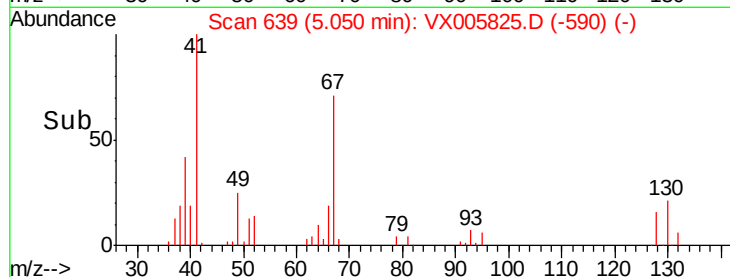
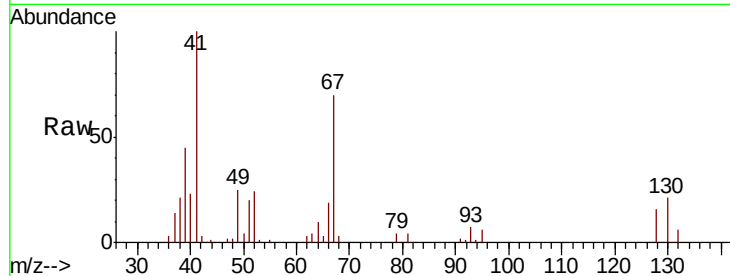
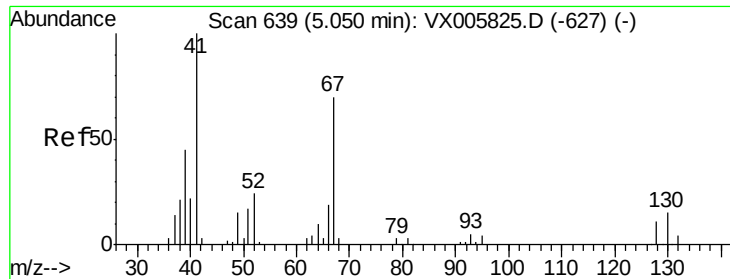
MMDadoda
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#40
Benzene
Concen: 45.797 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.8	18.4	27.6





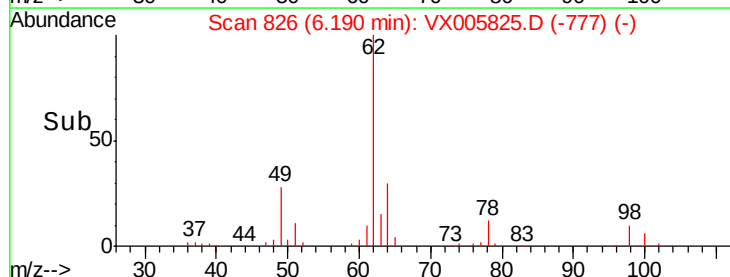
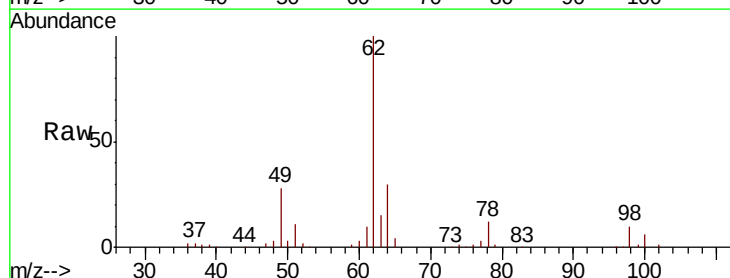
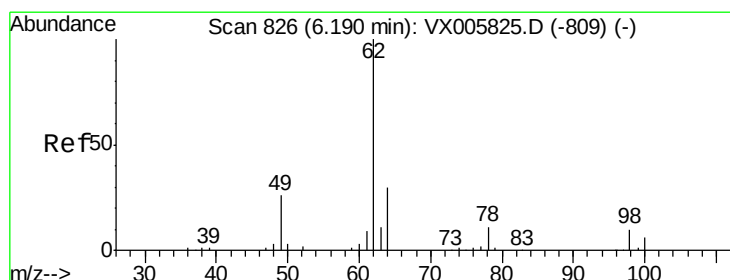
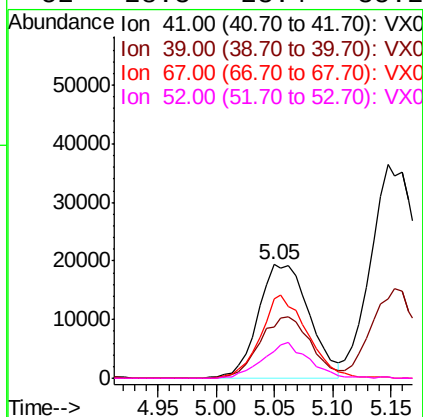
#41
Methacrylonitrile
Concen: 48.638 ug/l
RT: 5.05 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	42.2	63.2	
67	67.0	53.4	80.0	
52	28.3	23.4	35.2	

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

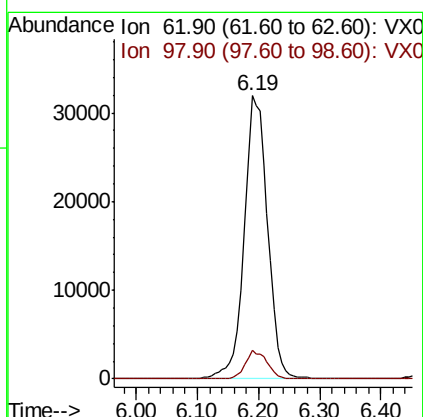
Manual Integrations
APPROVED

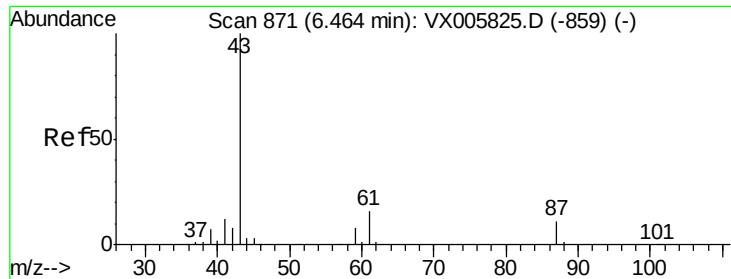
MMDadoda
11/8/2018 10:35:29 AM



#42
1,2-Dichloroethane
Concen: 43.894 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	17.8	





#43

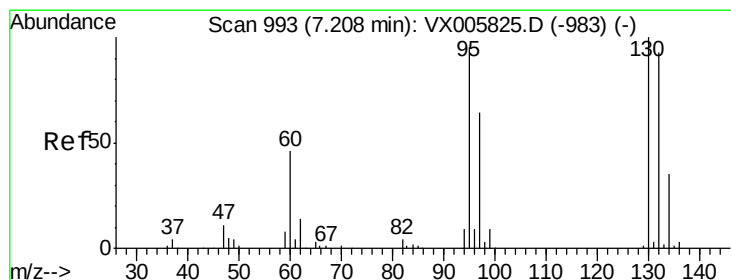
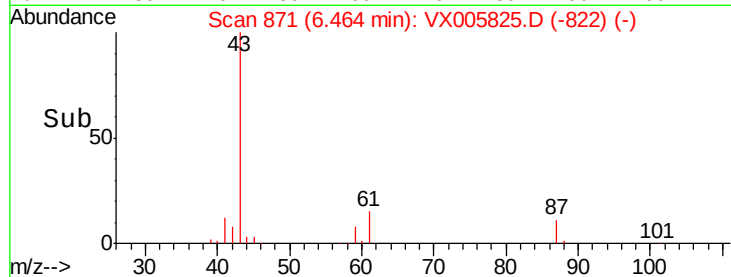
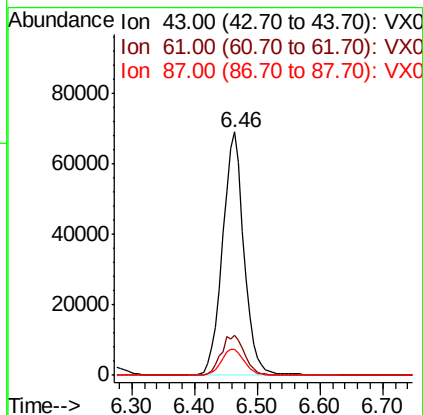
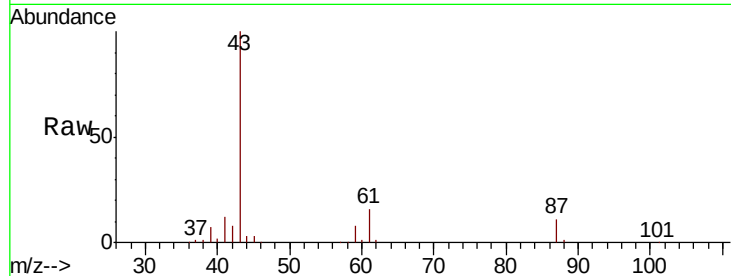
Isopropyl Acetate
 Concen: 49.745 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.6	22.0
87	11.5	9.6	14.4

Manual Integrations
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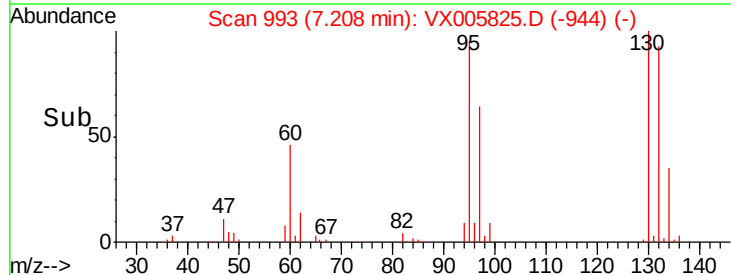
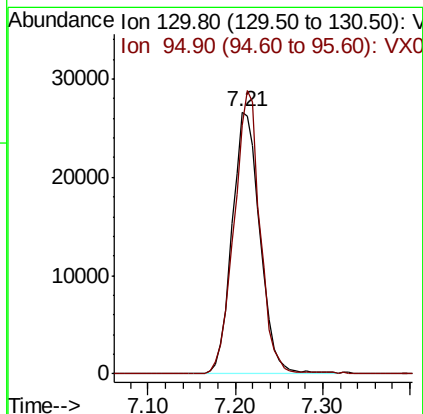
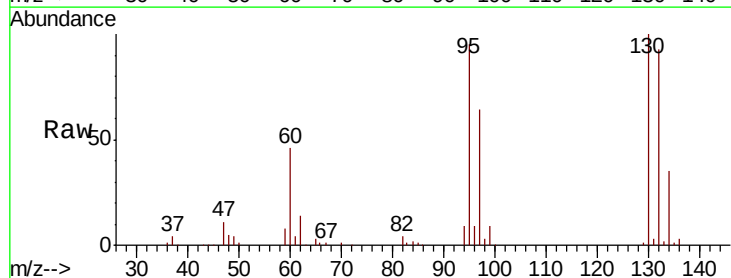
MMDadoda
 11/8/2018 10:35:29 AM

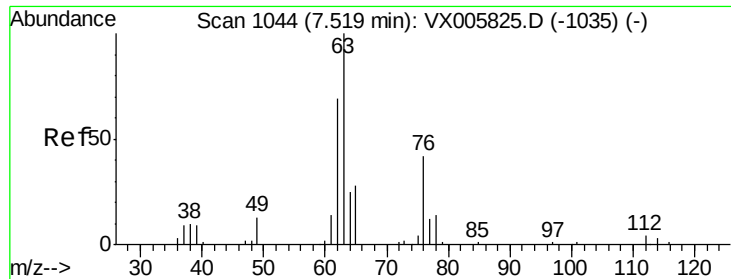


#44

Trichloroethene
 Concen: 48.763 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	194.2





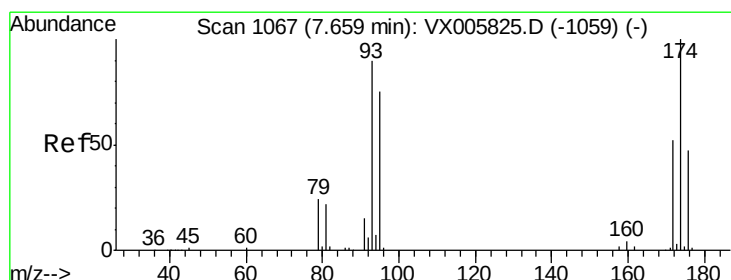
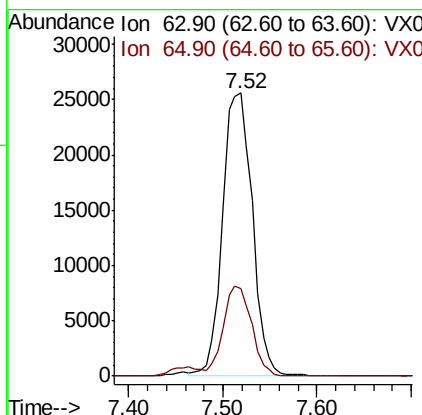
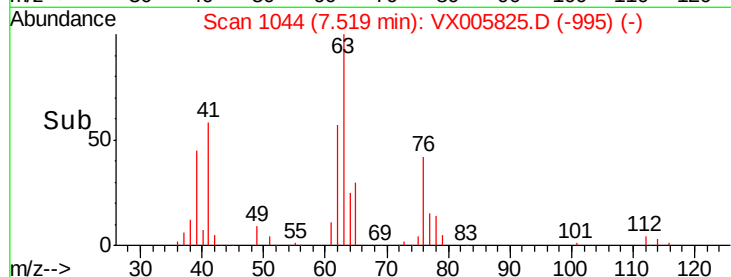
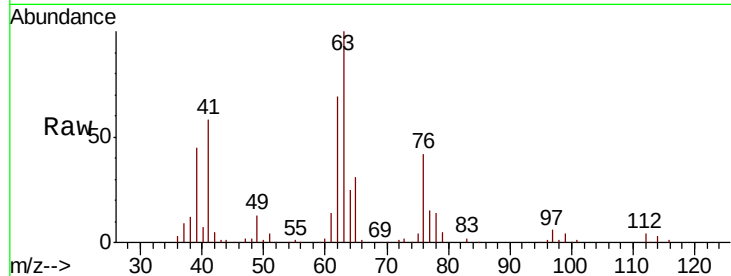
#45
 1,2-Dichloropropane
 Concen: 41.846 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDICCC050

Tot Ion: 63 Resp: 56258
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2

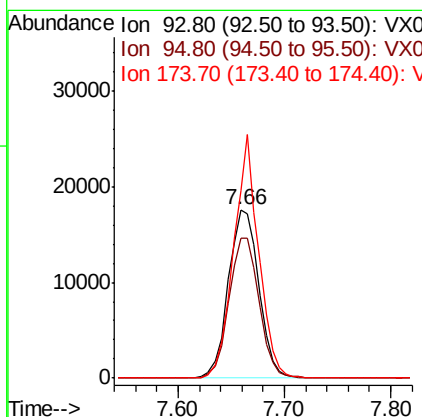
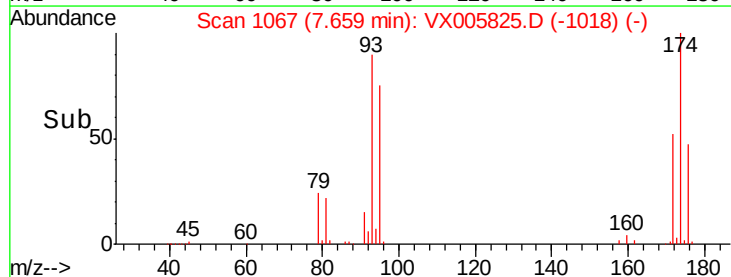
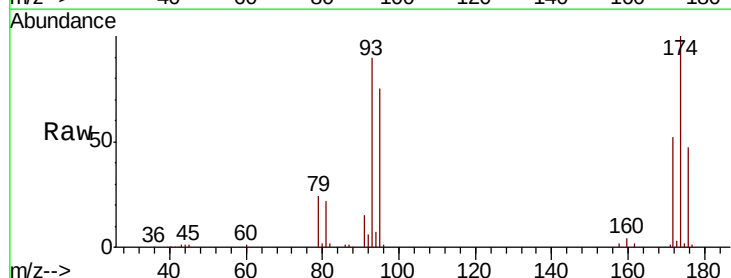
Manual Integrations
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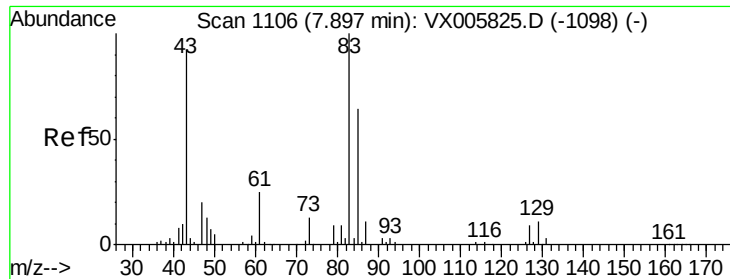
MMDadoda
 11/8/2018 10:35:29 AM



#46
 Dibromomethane
 Concen: 41.073 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion: 93 Resp: 35289
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.4 101.0
 174 118.5 91.5 137.3





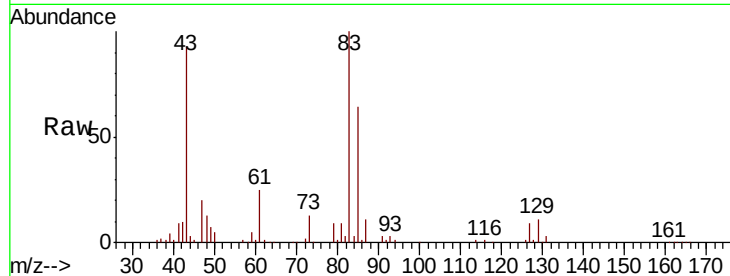
#47
 Bromodichloromethane
 Concen: 42.283 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.2	75.4
127	8.6	6.9	10.3

Manual Integrations
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MMDadoda
 11/8/2018 10:35:29 AM

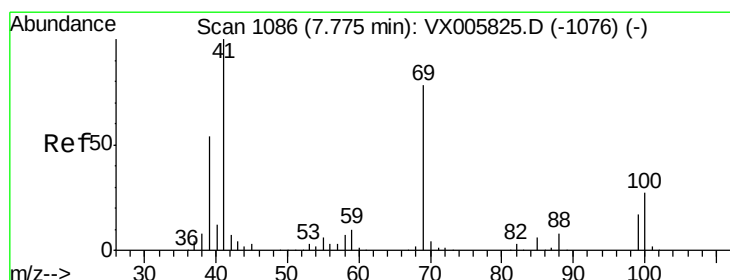
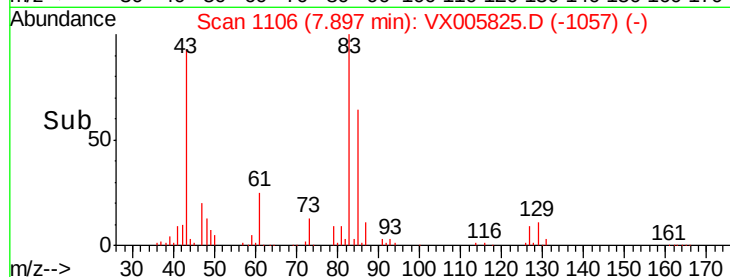
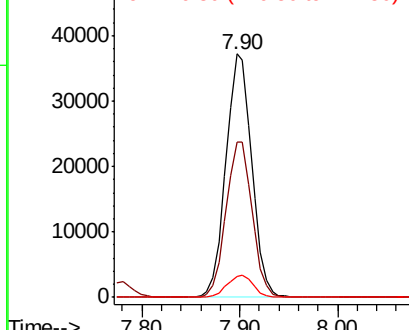


Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48
 Methyl methacrylate
 Concen: 45.643 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

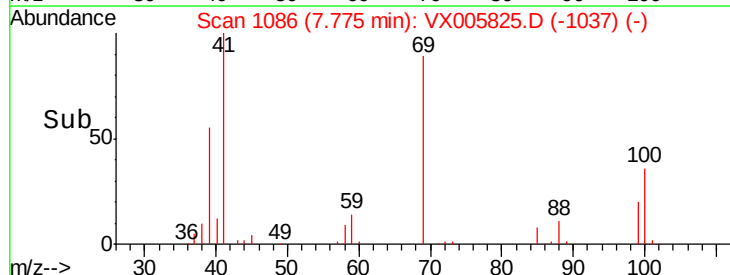
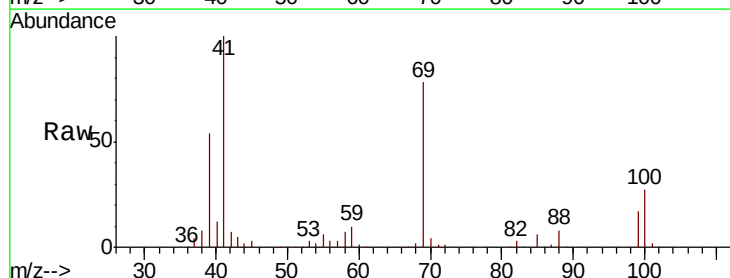
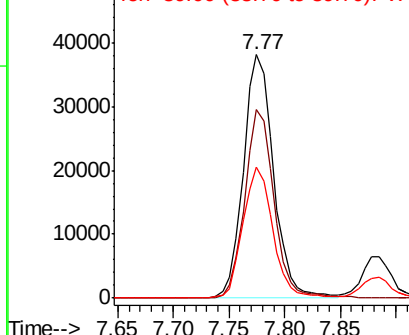
Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.7	63.2	94.8
39	53.4	42.2	63.2

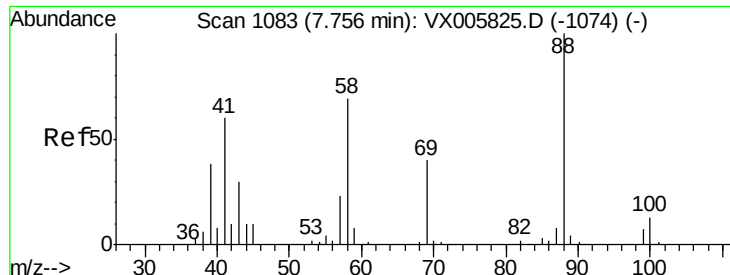
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





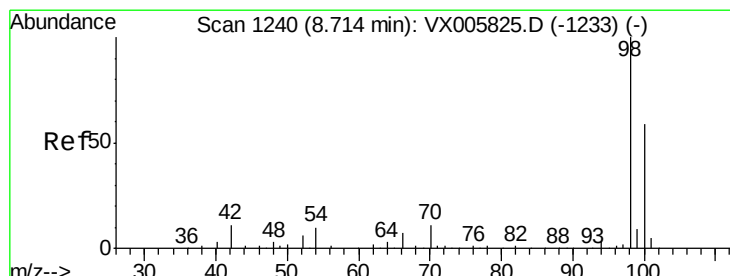
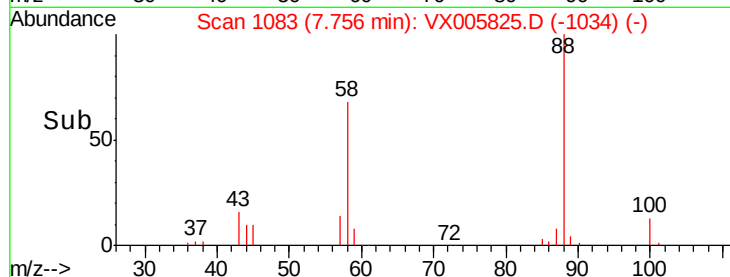
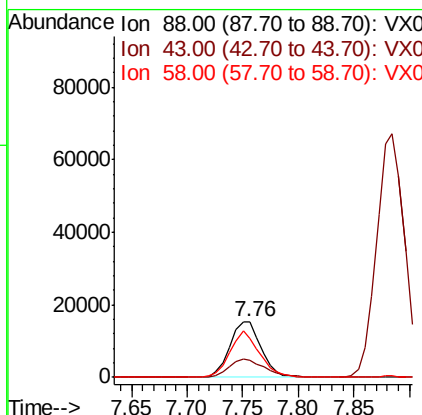
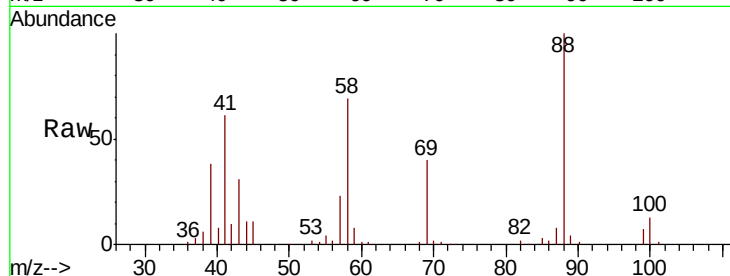
#49
1,4-Dioxane
Concen: 850.566 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.0	27.4	41.0
58	77.5	59.4	89.2

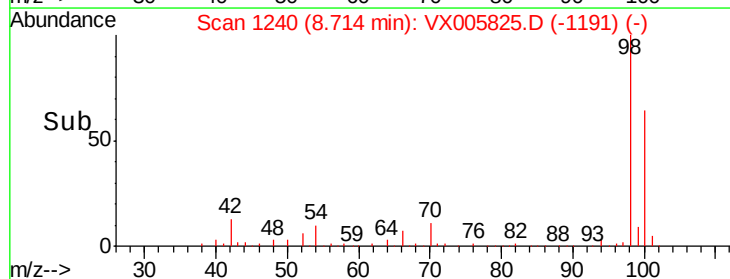
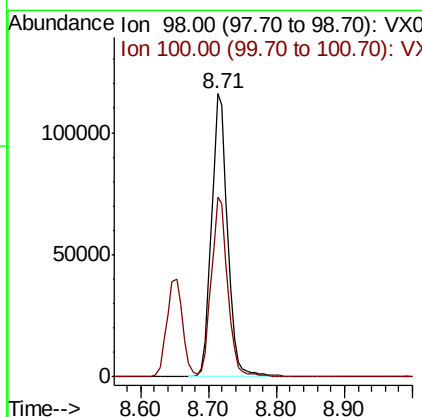
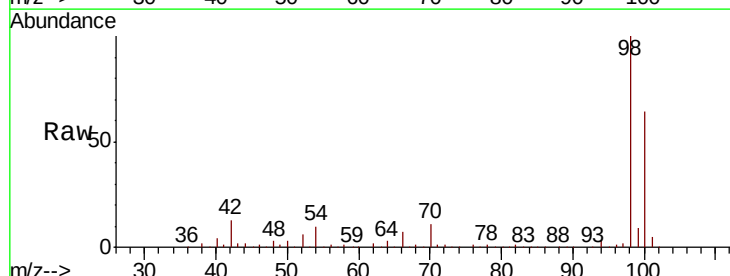
Manual Integrations
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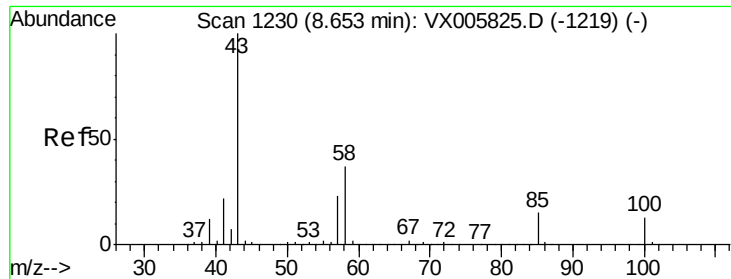
MMDadoda
11/8/2018 10:35:29 AM



#50
Toluene-d8
Concen: 47.260 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 216.503 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 482043

Ion Ratio Lower Upper

43 100

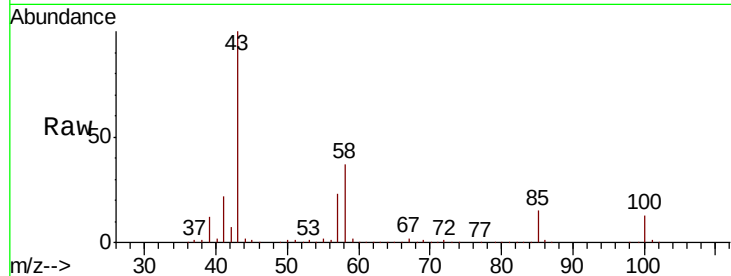
58 37.4 29.7 44.5

Manual Integrations

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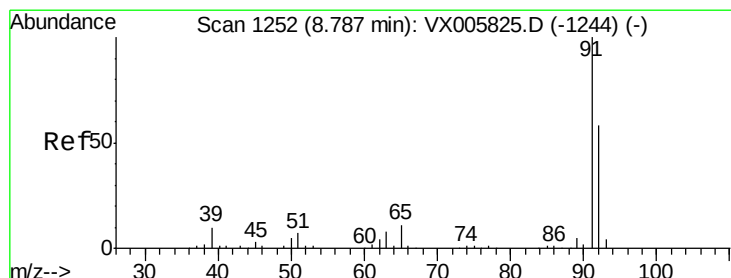
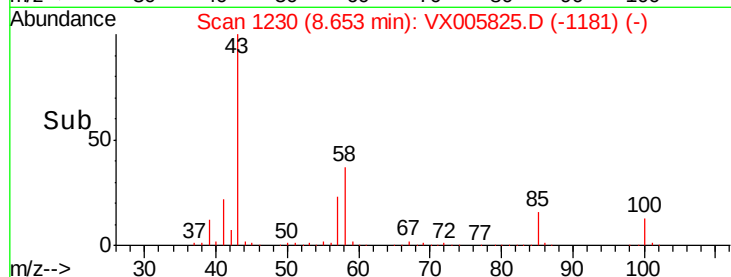
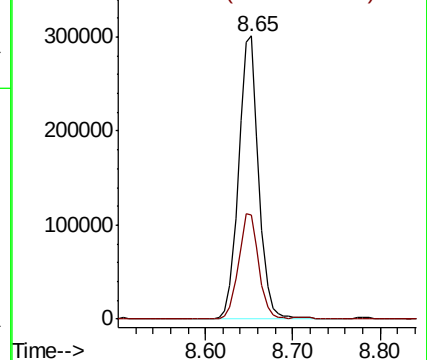
MMDadoda

11/8/2018 10:35:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 46.202 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005825.D

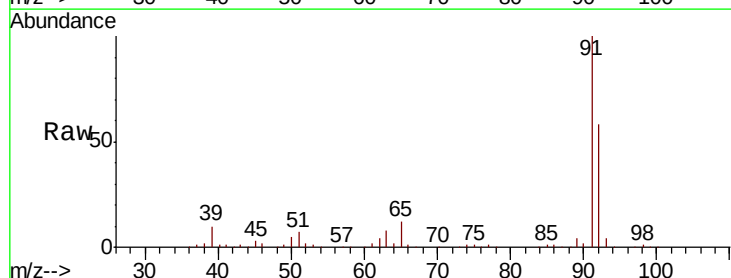
Acq: 07 Nov 2018 13:25

Tgt Ion: 92 Resp: 131104

Ion Ratio Lower Upper

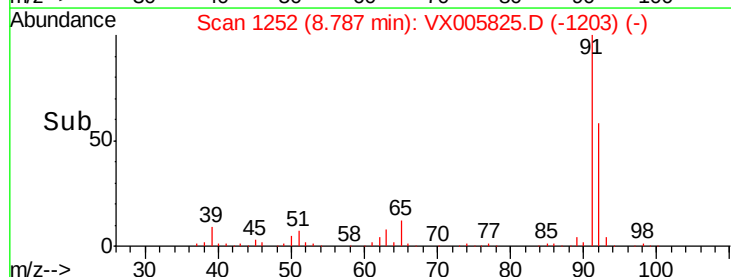
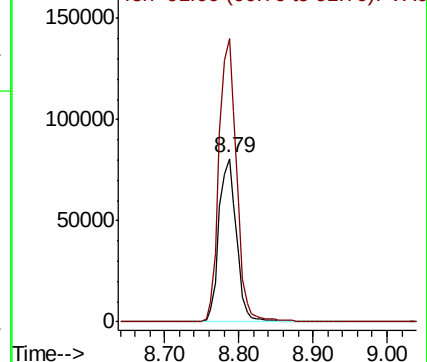
92 100

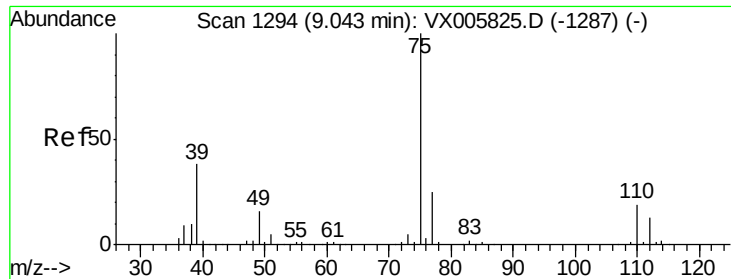
91 173.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





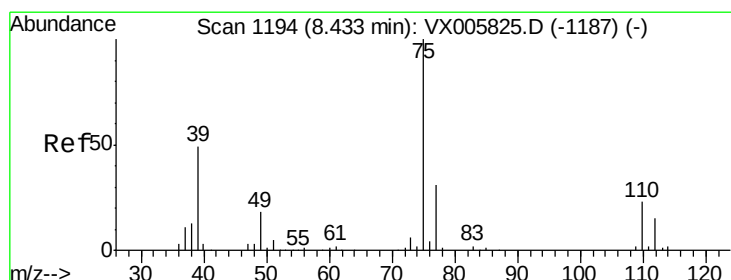
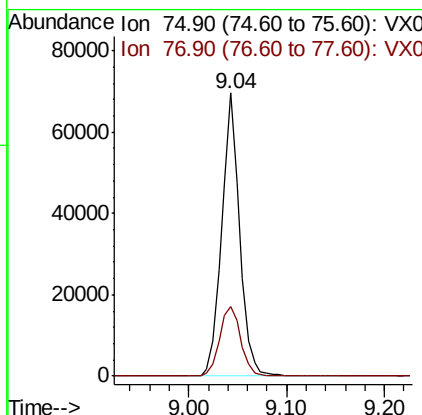
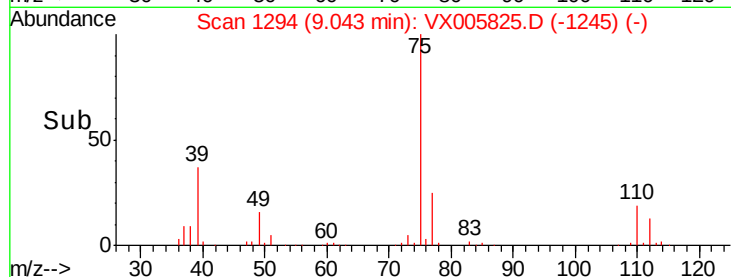
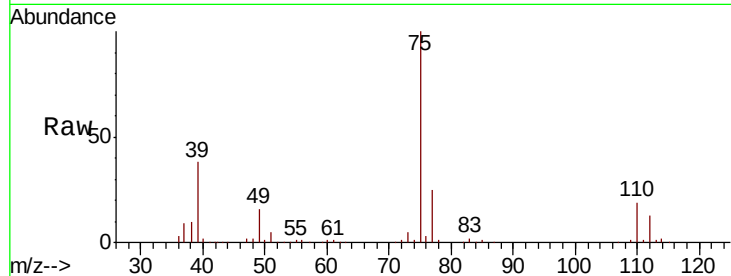
#53
t-1,3-Dichloropropene
Concen: 50.292 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 87837
Ion Ratio Lower Upper
75 100
77 24.8 25.4 38.2#

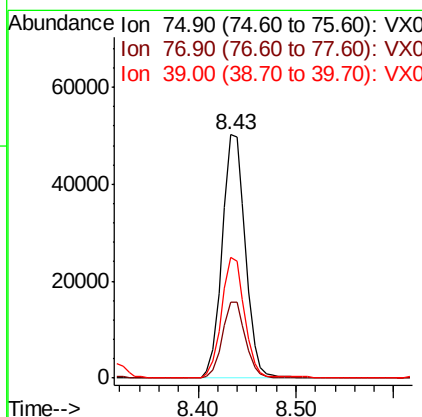
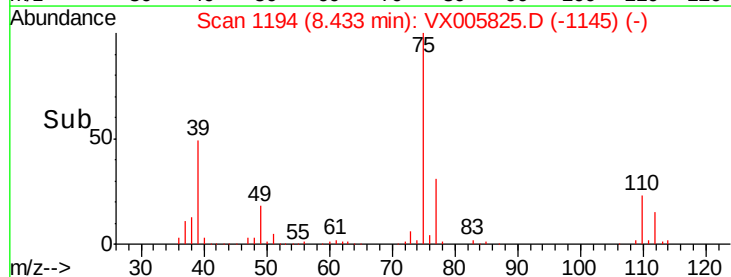
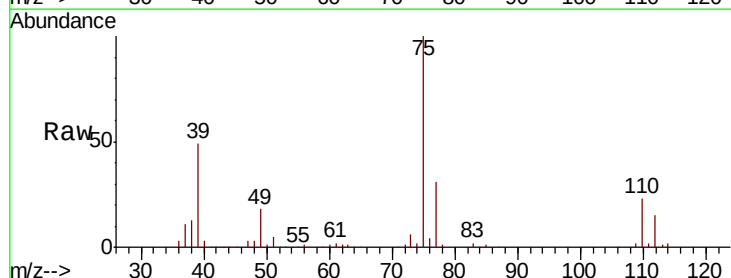
Manual Integrations
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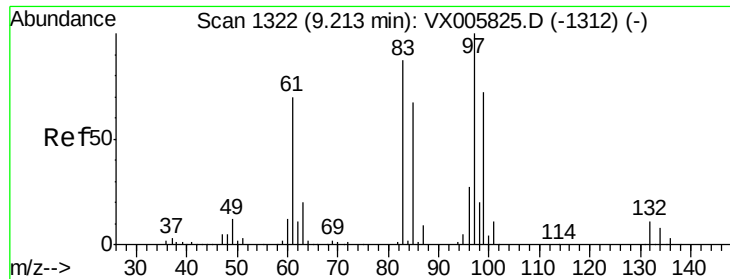
MMDadoda
11/8/2018 10:35:29 AM



#54
cis-1,3-Dichloropropene
Concen: 44.253 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion: 75 Resp: 82808
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
39 49.4 38.2 57.2





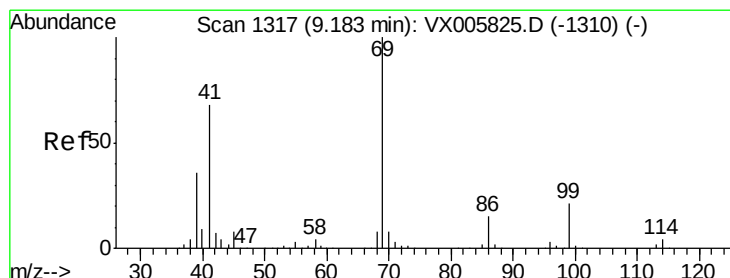
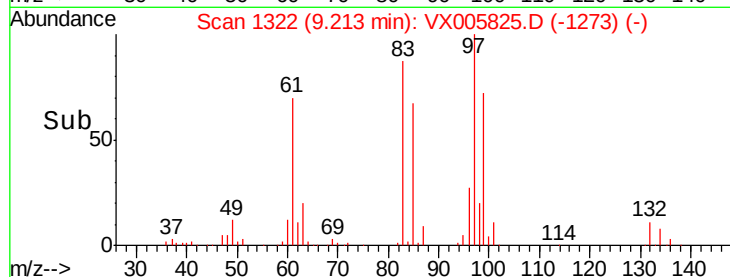
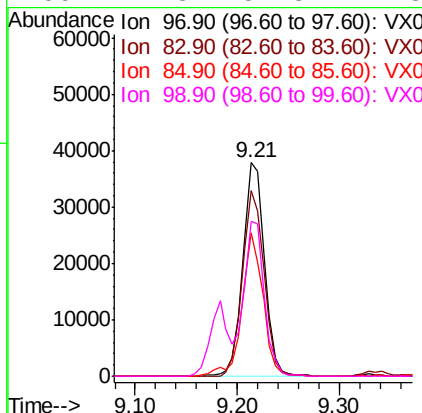
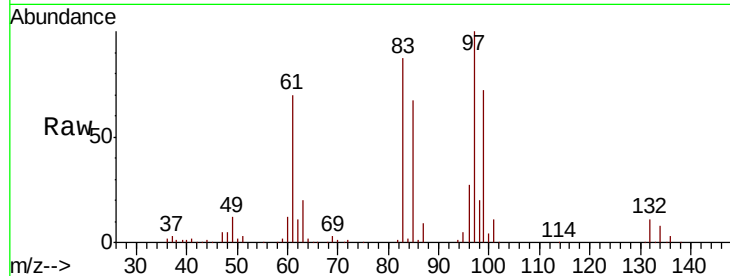
#55
 1,1,2-Trichloroethane
 Concen: 45.237 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	55747
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.7	106.1
85	67.3	45.8	68.6
99	72.3	51.8	77.8

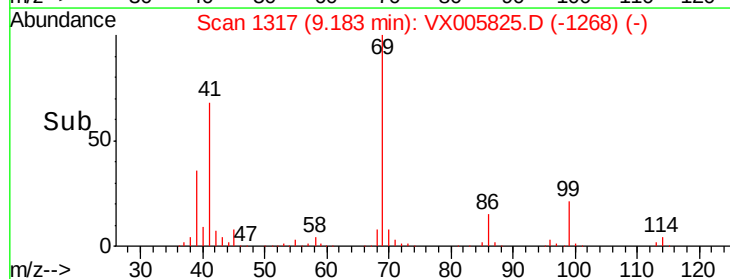
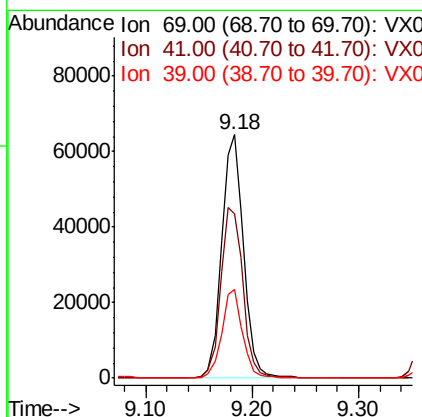
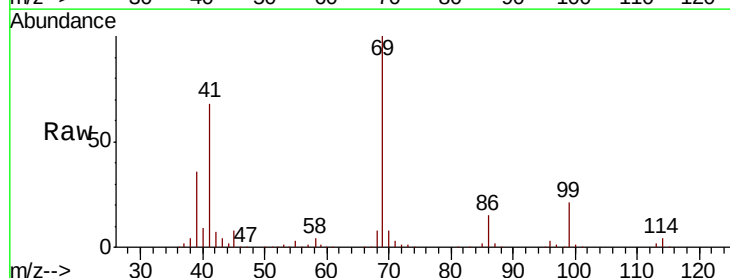
Manual Integrations
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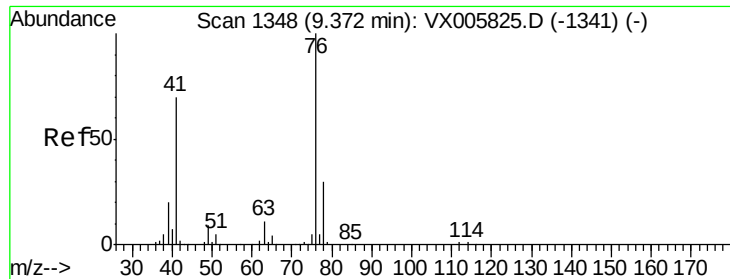
MMDadoda
 11/8/2018 10:35:29 AM



#56
 Ethyl methacrylate
 Concen: 49.563 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion:	69	Resp:	92270
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.6
39	34.6	28.3	42.5





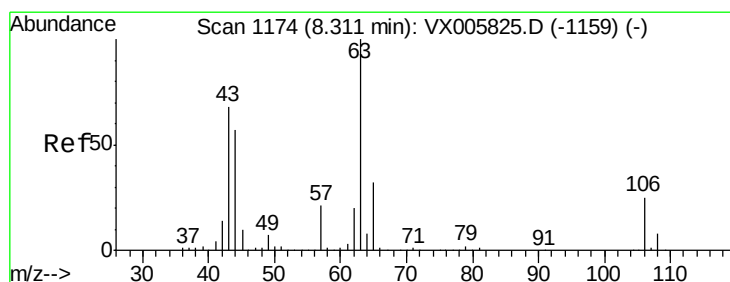
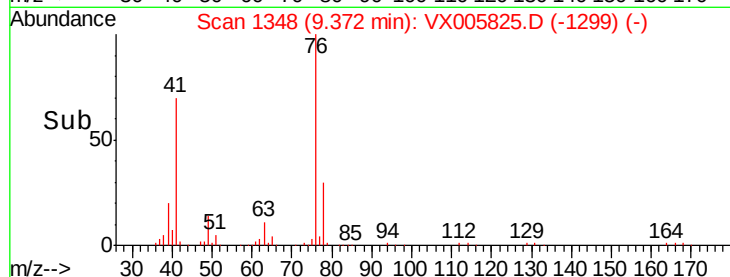
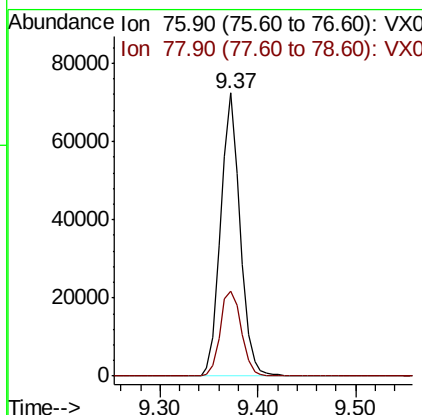
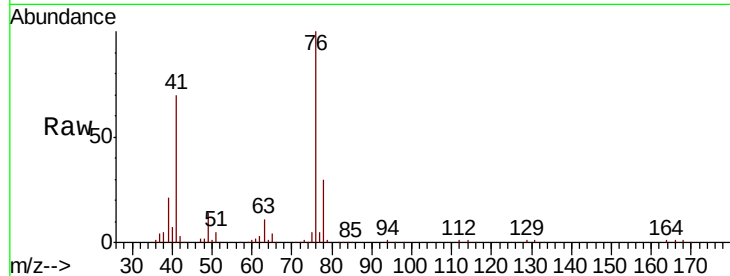
#57
 1,3-Dichloropropane
 Concen: 47.249 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.3	37.9

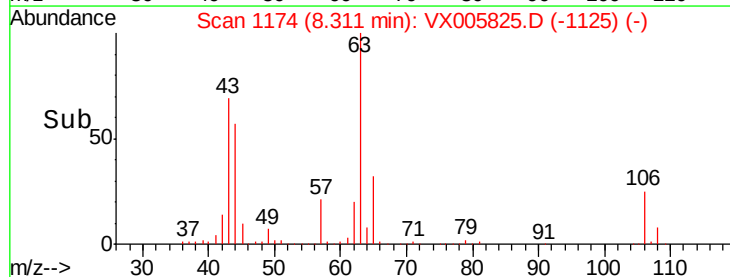
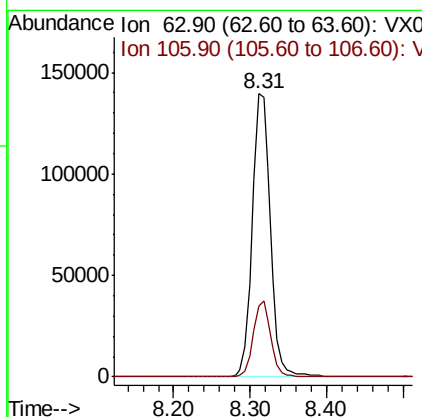
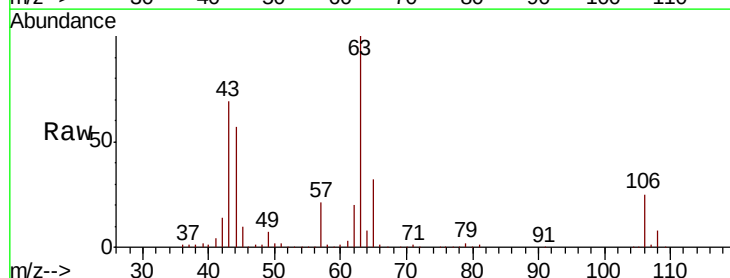
Manual Integrations
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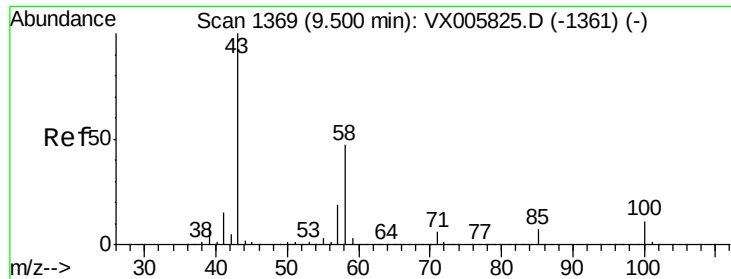
MMDadoda
 11/8/2018 10:35:29 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.487 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.3	31.9





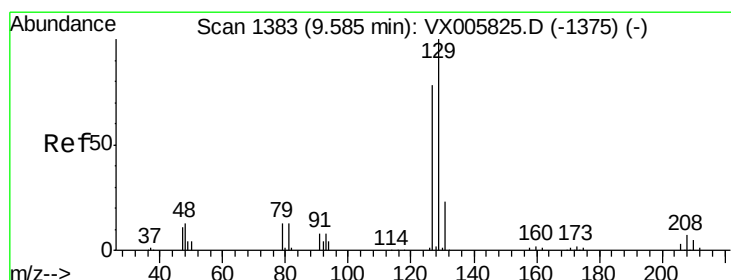
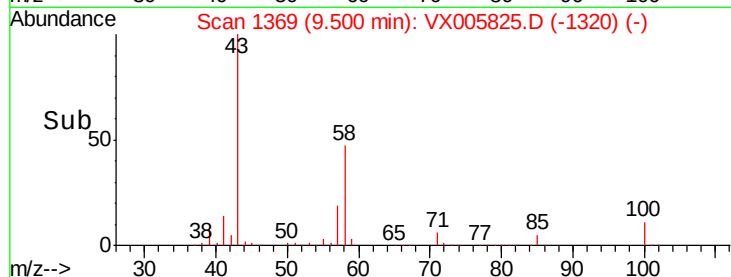
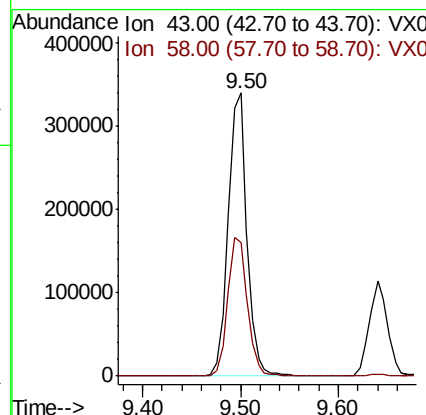
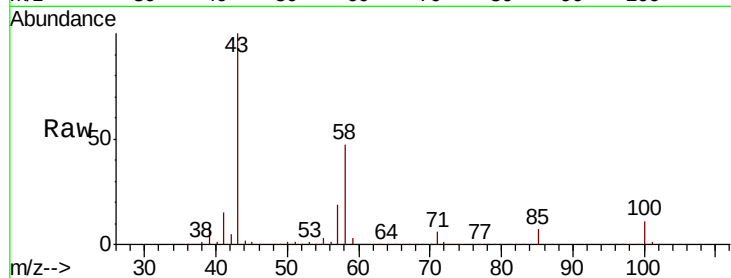
#59
2-Hexanone
Concen: 249.567 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	43	58	Resp	452198
Ion Ratio	100	51.7	Lower	Upper
		25.9		77.8

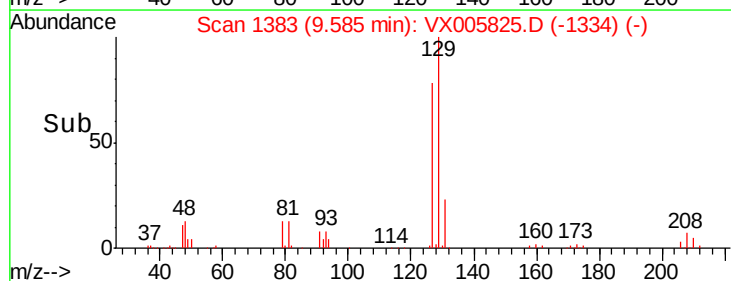
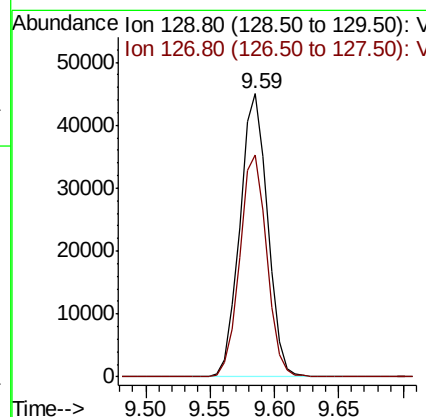
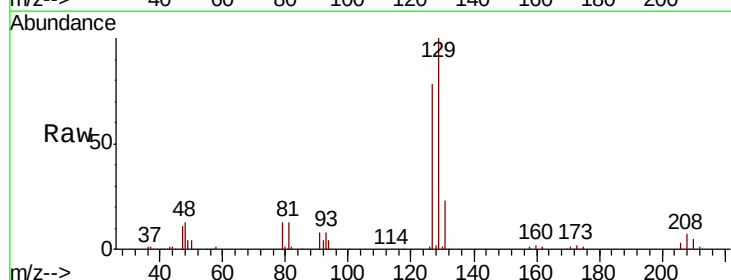
Manual Integrations
APPROVED

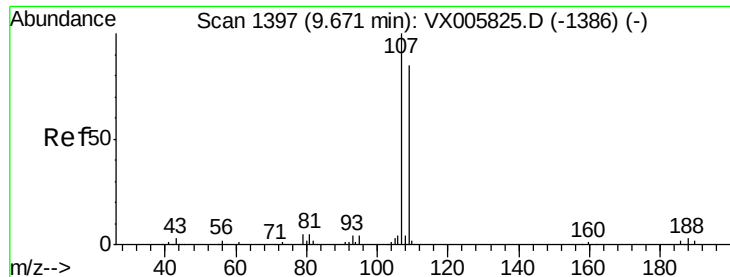
MMDadoda
11/8/2018 10:35:29 AM



#60
Dibromochloromethane
Concen: 56.369 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	129	127	Resp	67125
Ion Ratio	100	76.4	Lower	Upper
		38.9		116.7





#61

1,2-Dibromoethane

Concen: 51.954 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 65240

Ion Ratio Lower Upper

107 100

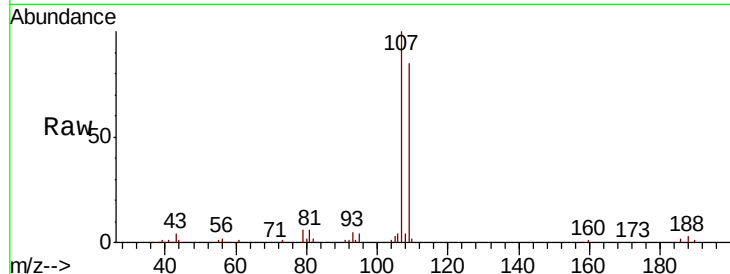
109 93.7 75.7 113.5

Manual Integrations

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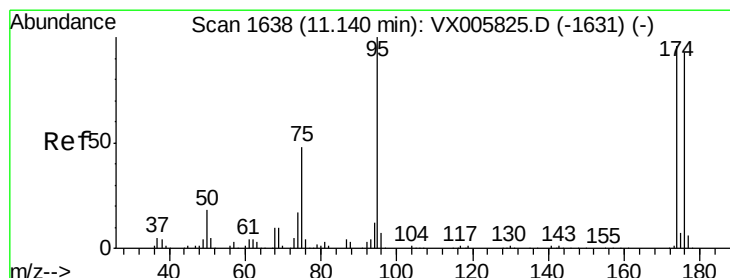
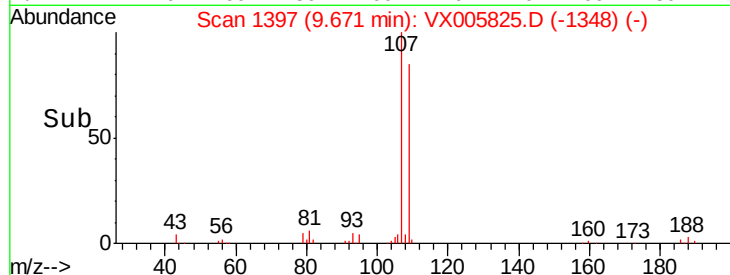
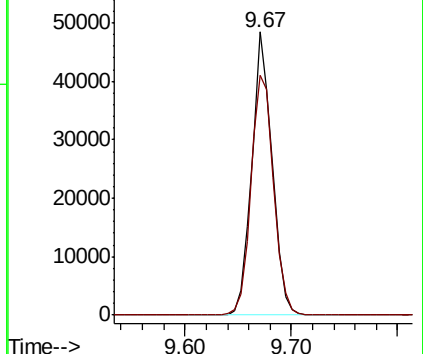
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.685 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

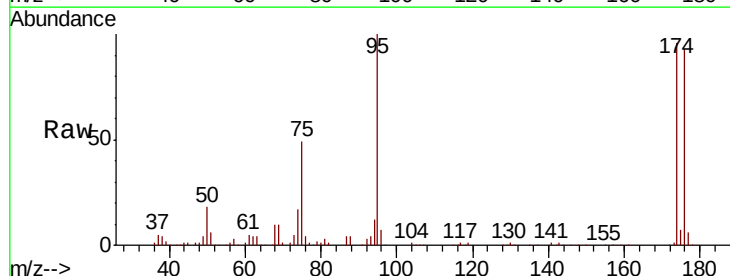
Tgt Ion: 95 Resp: 69256

Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.4

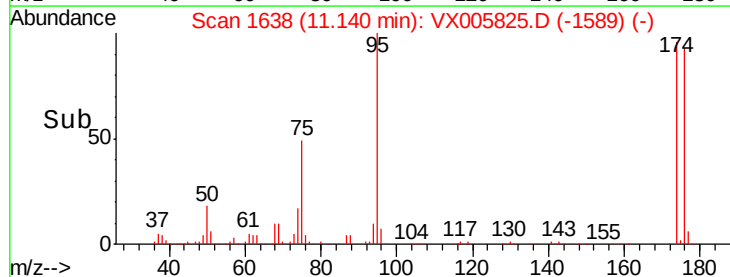
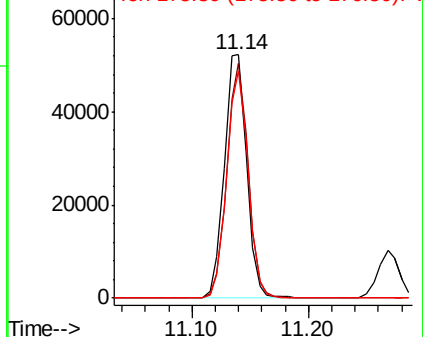
176 89.7 0.0 177.4

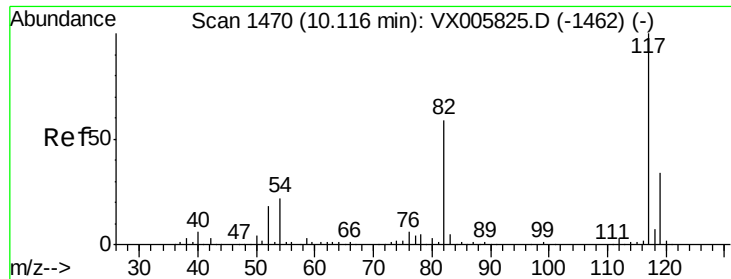


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





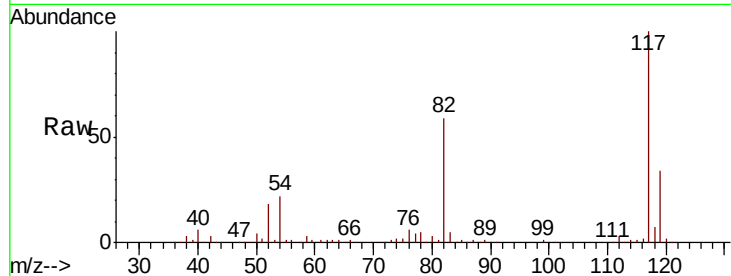
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	44.1	66.1
119	34.2	26.2	39.2

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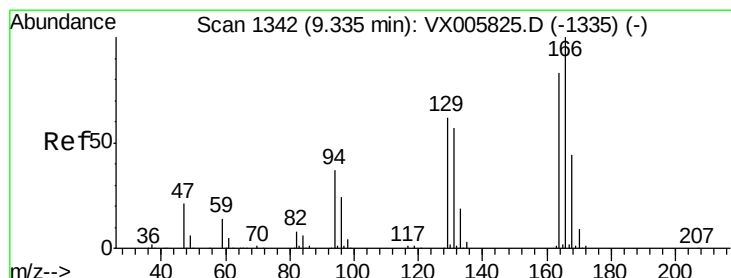
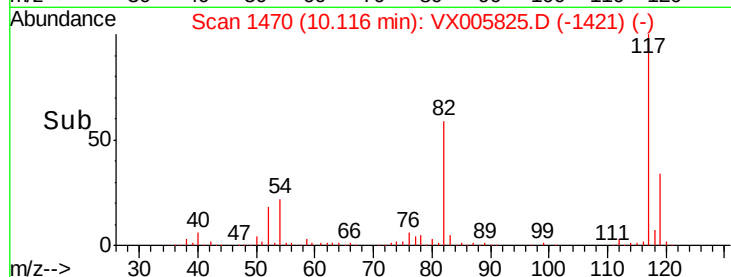
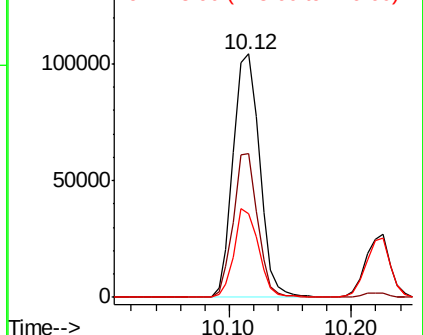


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 63.652 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.2	101.9	152.9
129	75.2	72.6	109.0
131	68.9	71.1	106.7

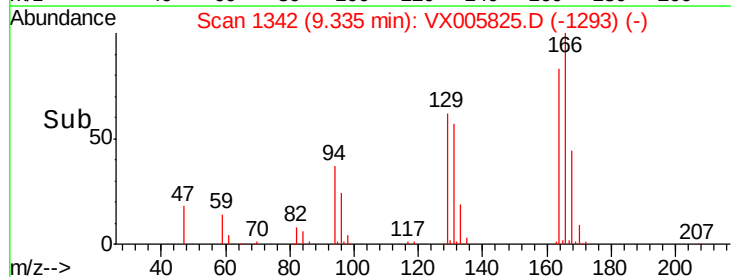
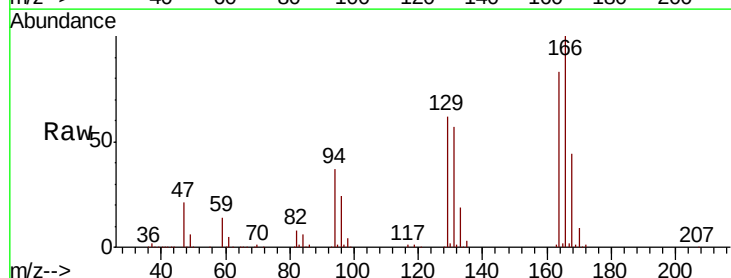
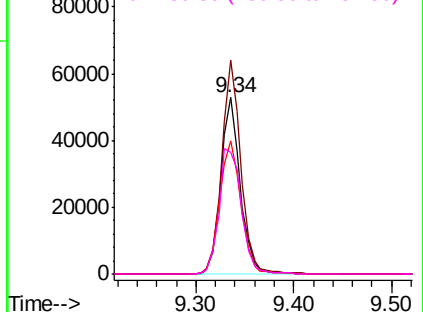
Abundance

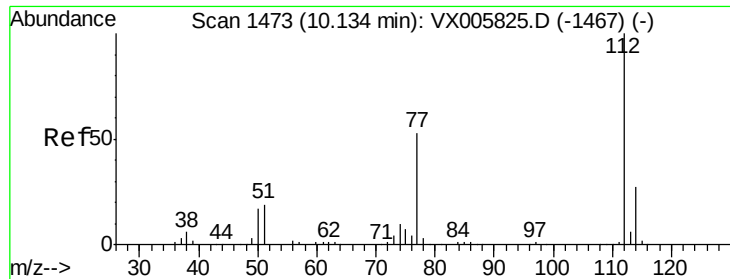
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





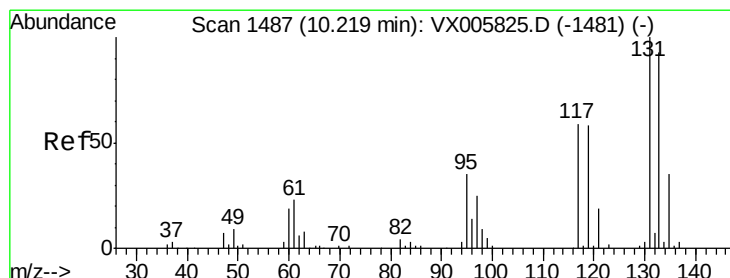
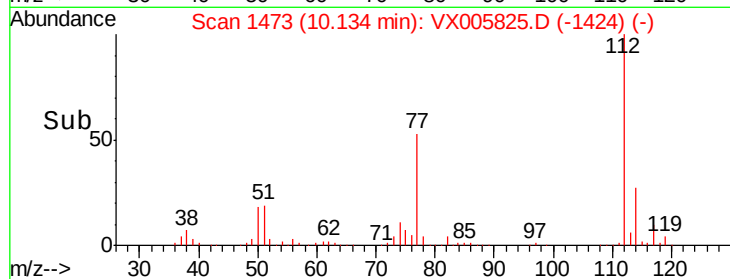
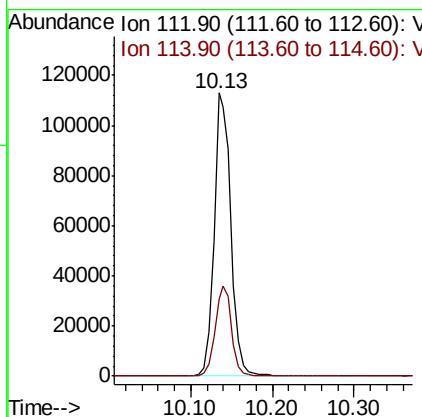
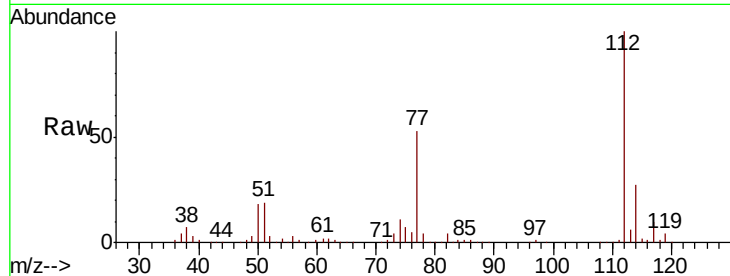
#65
Chlorobenzene
Concen: 49.250 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 163505
Ion Ratio Lower Upper
112 100
114 27.1 25.8 38.6

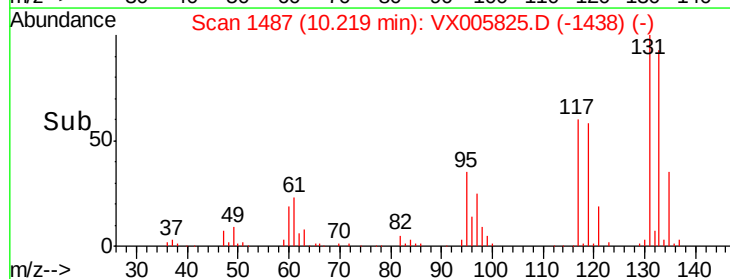
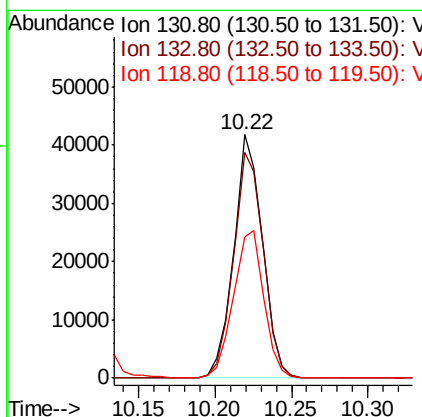
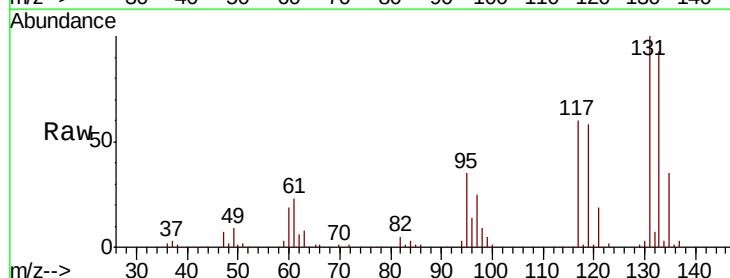
Manual Integrations
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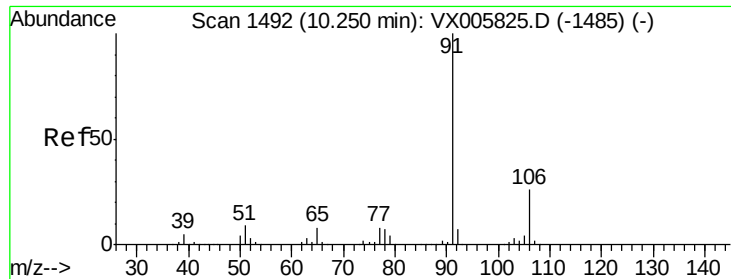
MMDadoda
11/8/2018 10:35:29 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.828 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion:131 Resp: 54357
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.5
119 64.3 31.8 95.3





#67

Ethyl Benzene

Concen: 47.697 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 270247

Ion Ratio Lower Upper

91 100

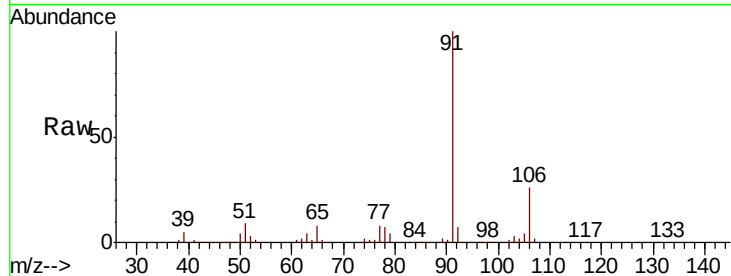
106 26.1 24.4 36.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005825.D (-1485) (-)

300000

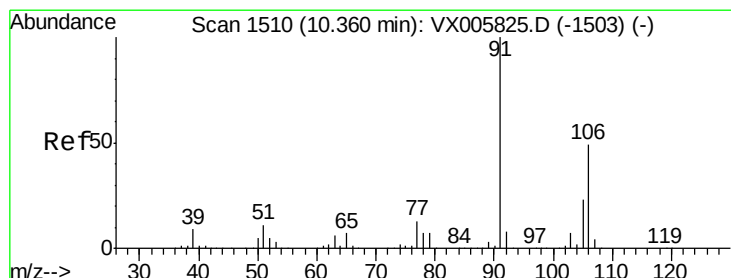
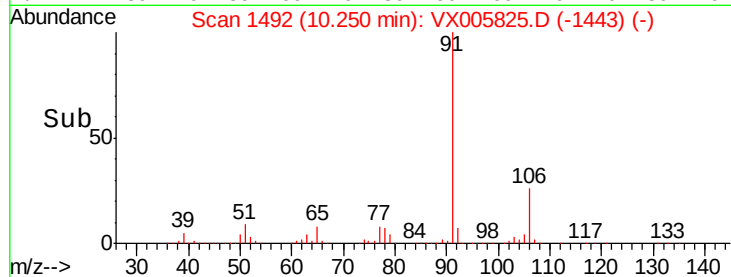
200000

100000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 91.840 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX005825.D

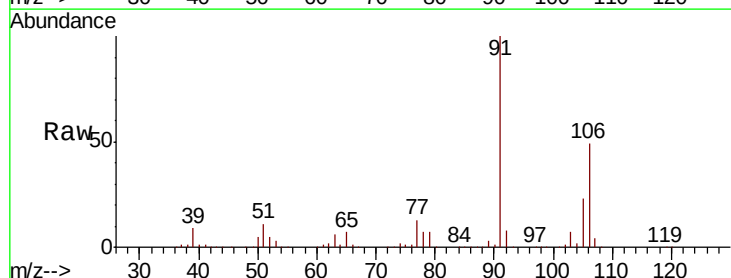
Acq: 07 Nov 2018 13:25

Tgt Ion: 106 Resp: 193359

Ion Ratio Lower Upper

106 100

91 216.4 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005825.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005825.D (-1503) (-)

300000

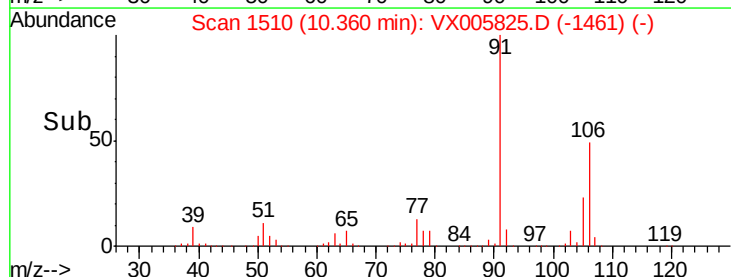
200000

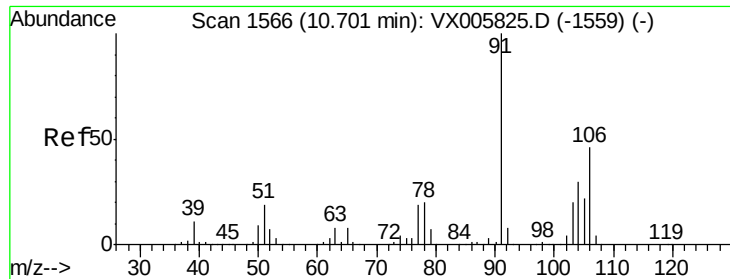
100000

0

10.30 10.36 10.40 10.50

Time-->





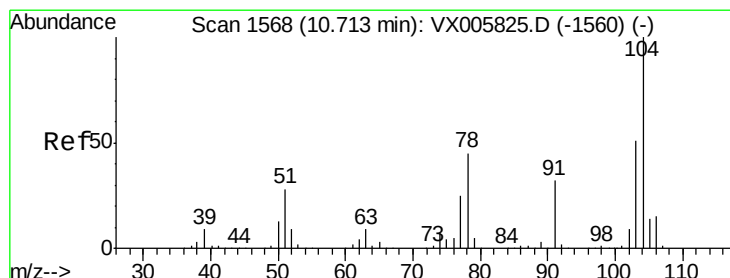
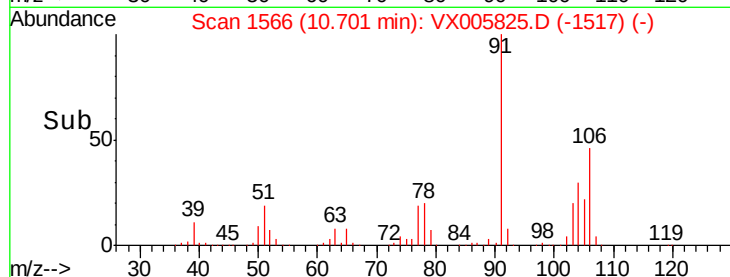
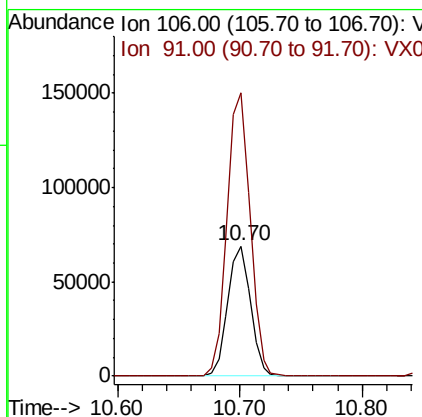
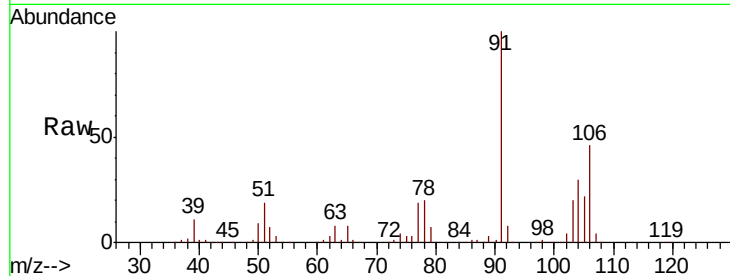
#69
o-Xylene
Concen: 44.278 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 89160
Ion Ratio Lower Upper
106 100
91 220.4 108.5 325.5

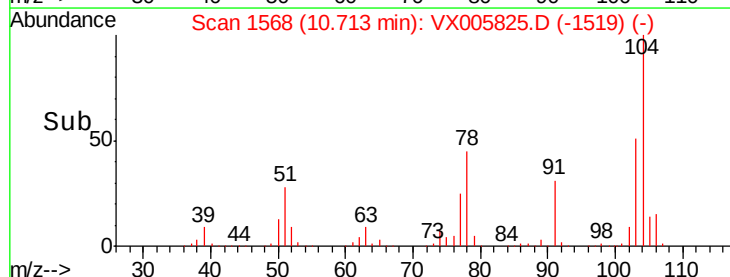
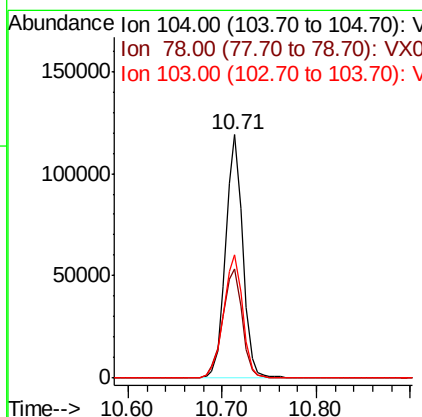
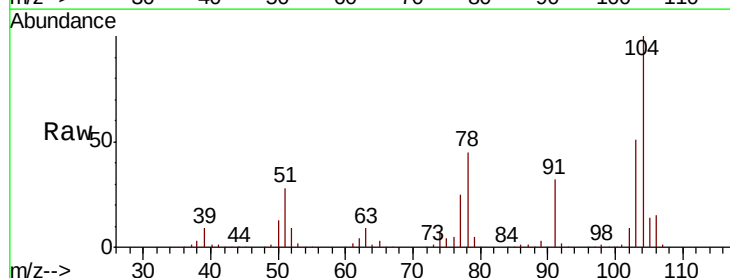
Manual Integrations
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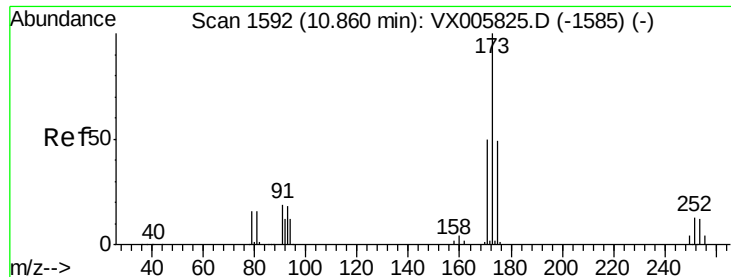
MMDadoda
11/8/2018 10:35:29 AM



#70
Styrene
Concen: 45.092 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion:104 Resp: 150810
Ion Ratio Lower Upper
104 100
78 51.3 40.2 60.4
103 56.5 44.9 67.3





#71

Bromoform

Concen: 49.881 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 45932

Ion Ratio Lower Upper

173 100

175 49.4 24.8 74.3

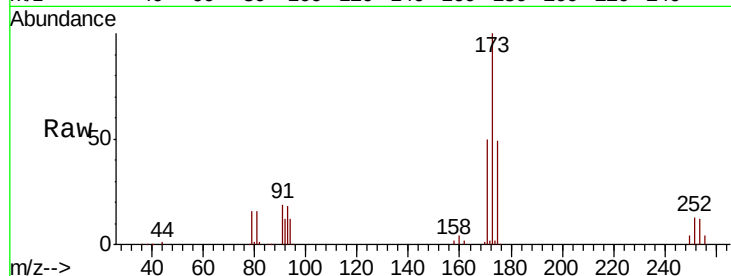
254 0.0 0.2 0.2#

Manual Integrations

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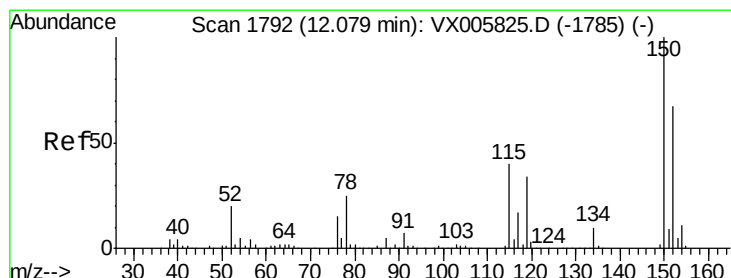
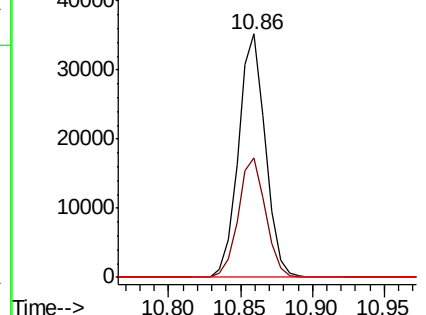
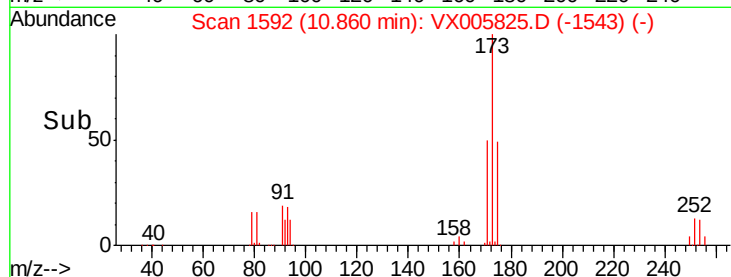
11/8/2018 10:35:29 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

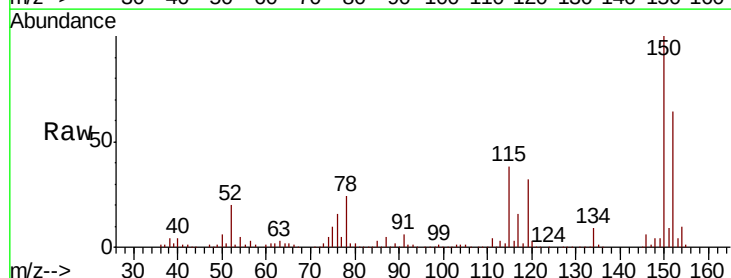
Tgt Ion:152 Resp: 78858

Ion Ratio Lower Upper

152 100

115 78.4 39.4 118.1

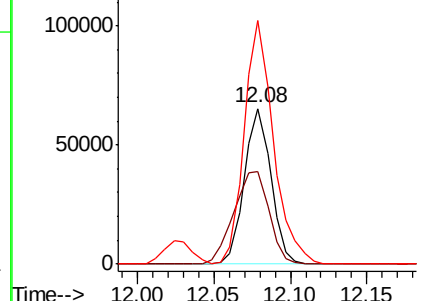
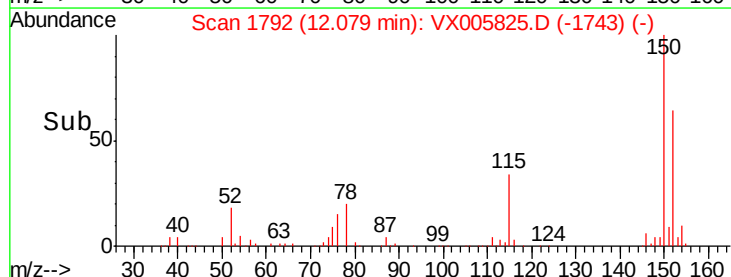
150 171.4 0.0 346.4

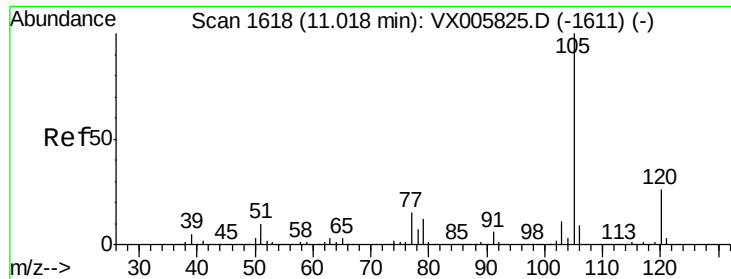


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.557 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 247416

Ion Ratio Lower Upper

105 100

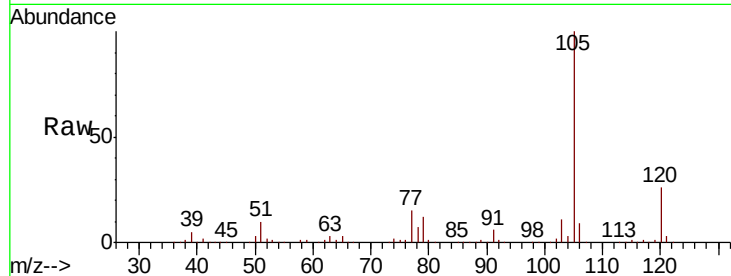
120 26.6 13.1 39.3

Manual Integrations

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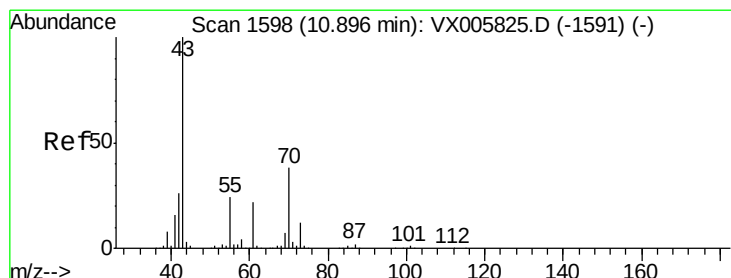
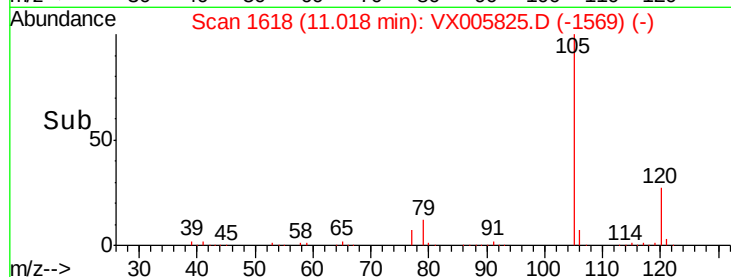
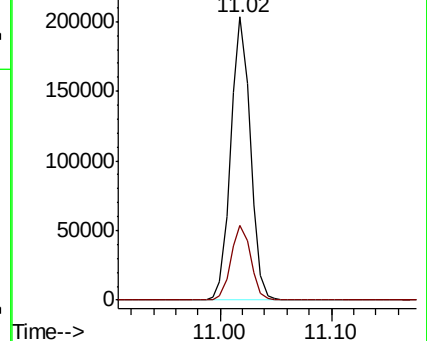
MMDadoda

11/8/2018 10:35:29 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.593 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Tgt Ion: 43 Resp: 123518

Ion Ratio Lower Upper

43 100

70 39.3 31.6 47.4

55 24.8 19.7 29.5

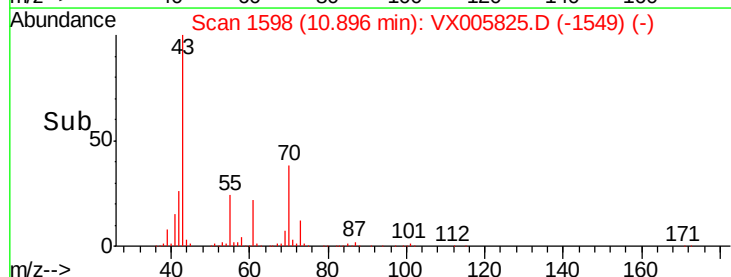
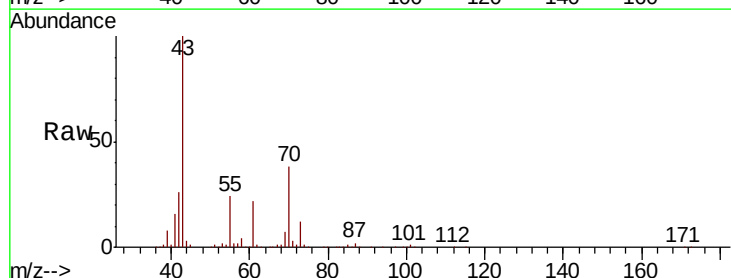
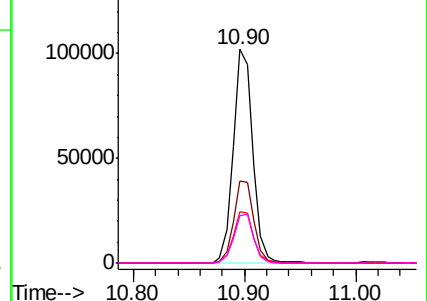
61 23.0 18.3 27.5

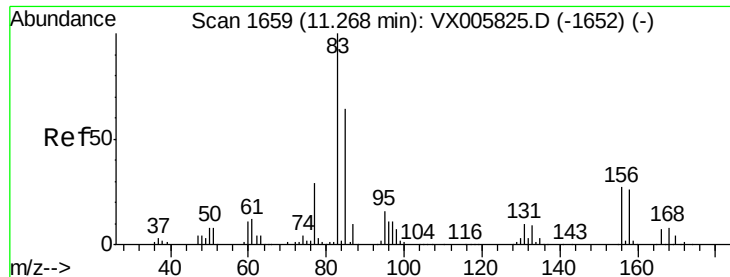
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 39.095 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

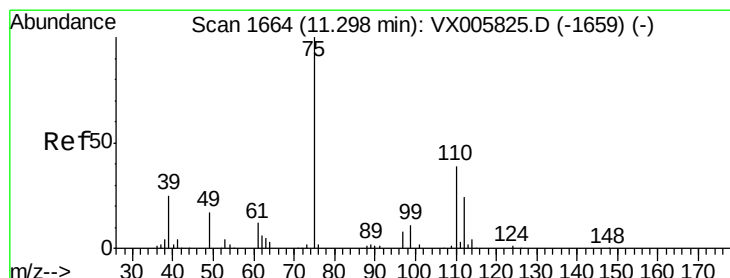
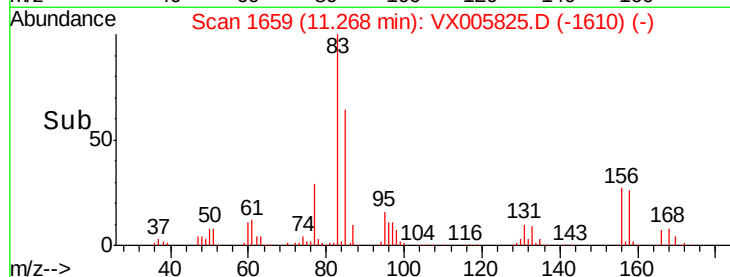
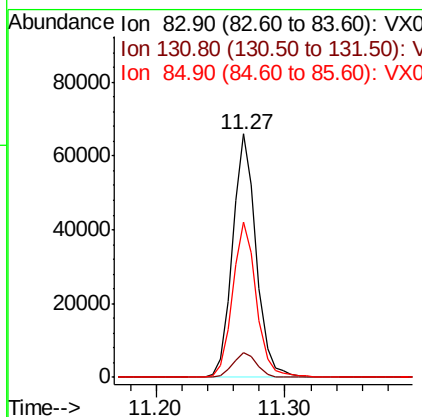
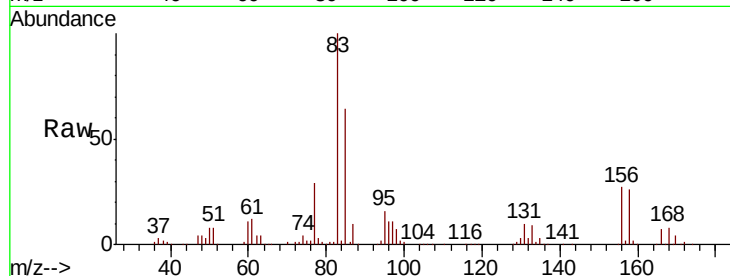
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	84383
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.2	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.374 ug/l m

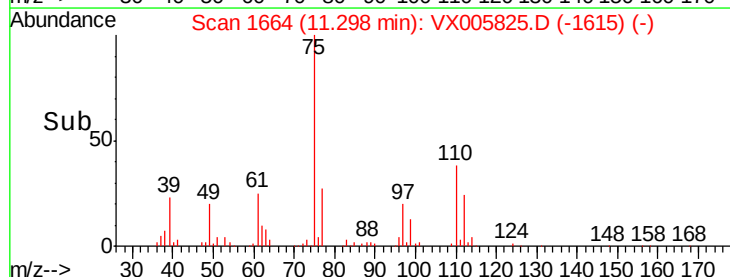
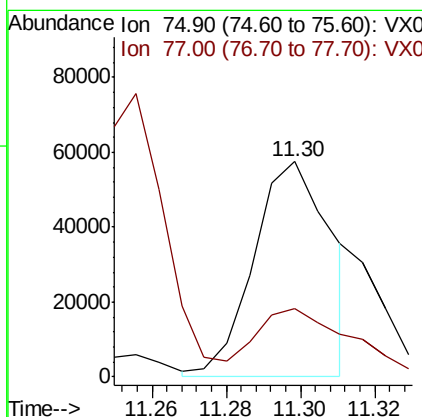
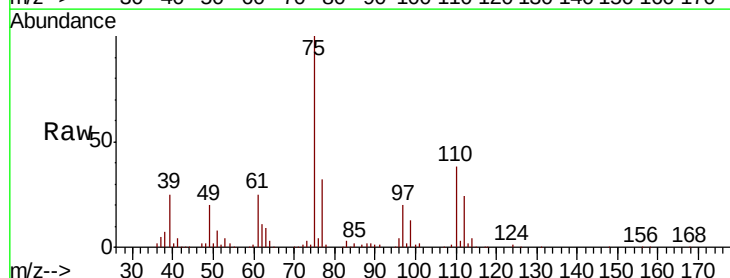
RT: 11.30 min Scan# 1664

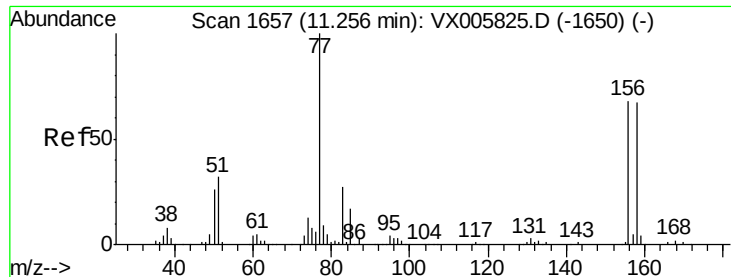
Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Tgt Ion:	75	Resp:	83225
Ion Ratio	Lower	Upper	
75	100		
77	38.7	20.5	61.6





#77

Bromobenzene

Concen: 50.631 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 65343

Ion Ratio Lower Upper

156 100

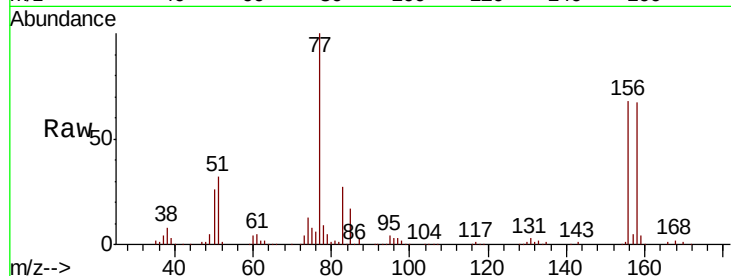
77 149.5 74.8 224.4

158 97.4 49.1 147.3

Manual Integrations
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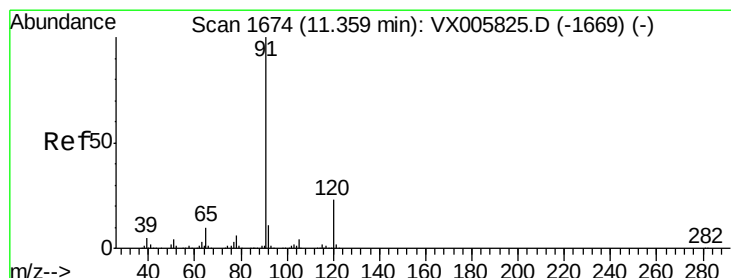
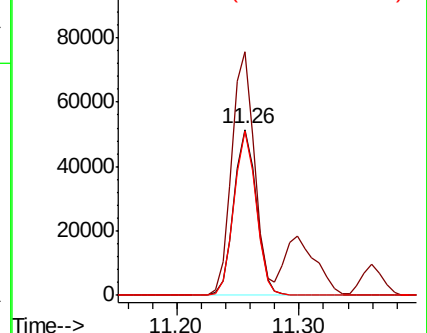
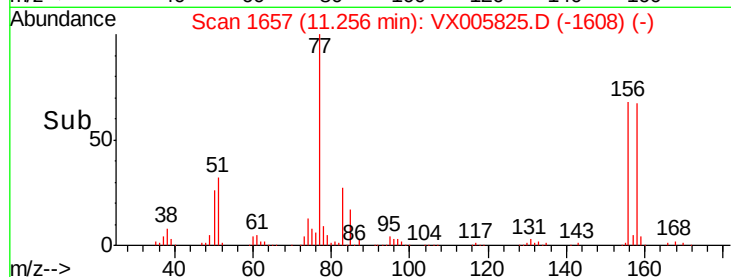
11/8/2018 10:35:29 AM



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: 45.828 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005825.D

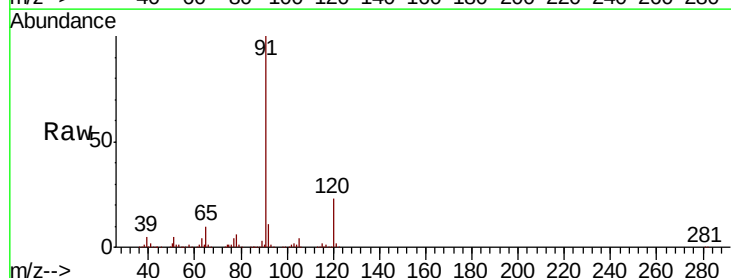
Acq: 07 Nov 2018 13:25

Tgt Ion: 91 Resp: 290042

Ion Ratio Lower Upper

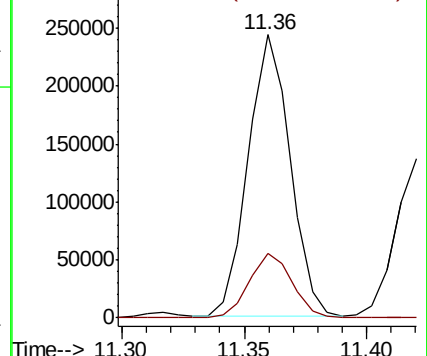
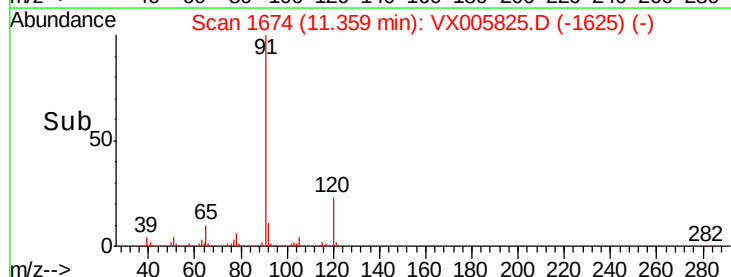
91 100

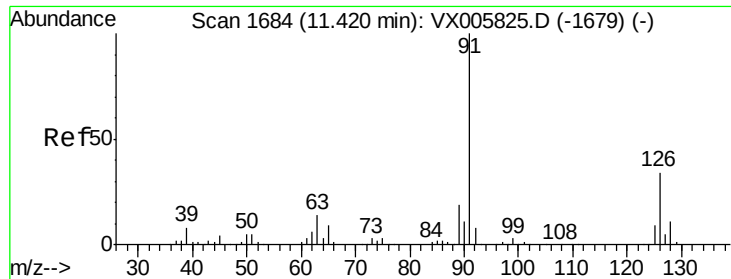
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.225 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 170952

Ion Ratio Lower Upper

91 100

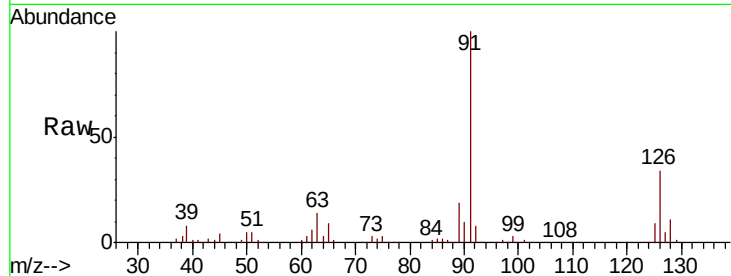
126 33.9 17.3 52.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX005825.D (-1679) (-)

250000

200000

150000

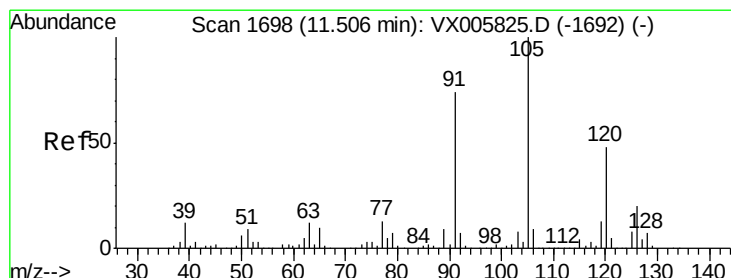
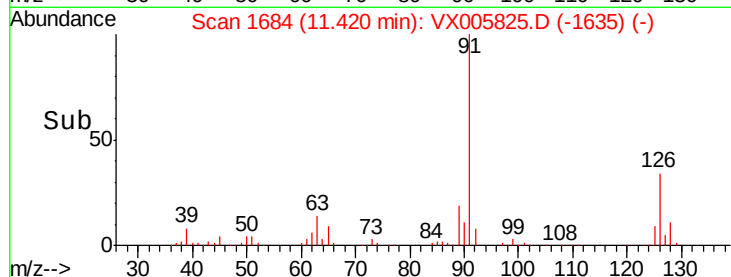
100000

50000

0

11.40 11.42 11.44

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.285 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005825.D

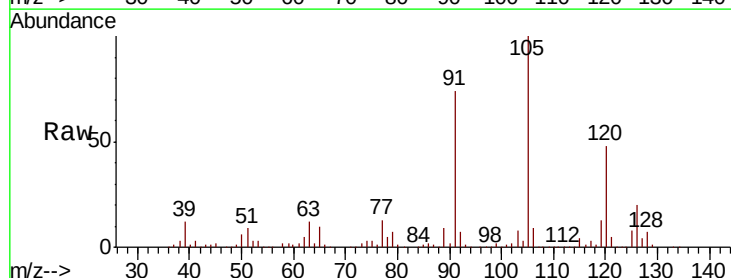
Acq: 07 Nov 2018 13:25

Tgt Ion: 105 Resp: 213296

Ion Ratio Lower Upper

105 100

120 48.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX005825.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005825.D (-1692) (-)

200000

150000

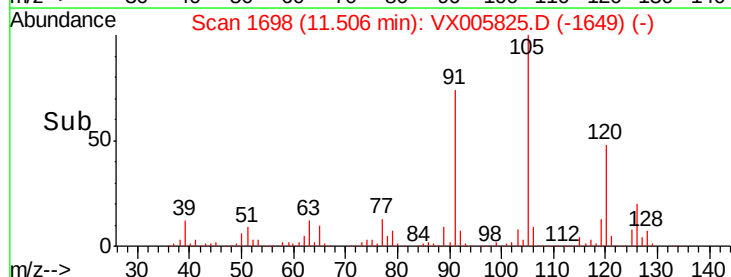
100000

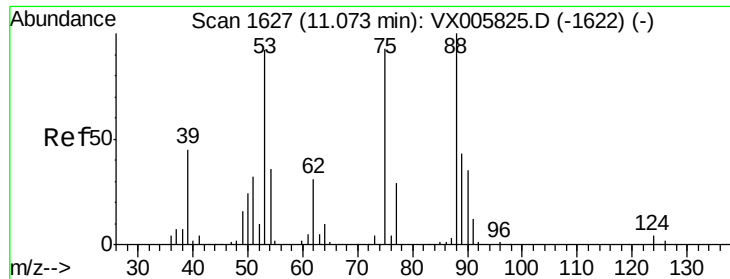
50000

0

11.45 11.50 11.55 11.60

Time-->





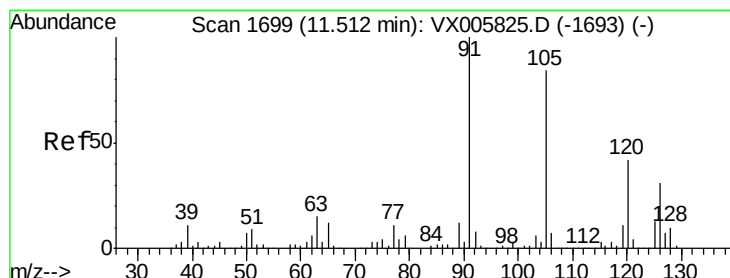
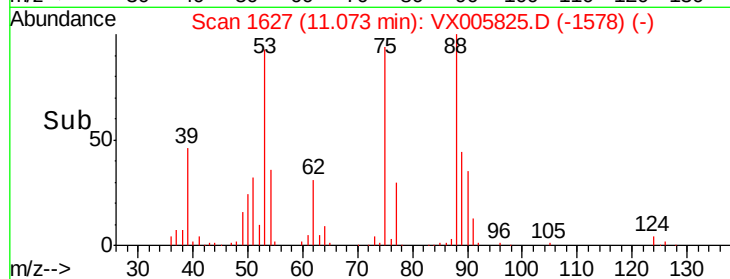
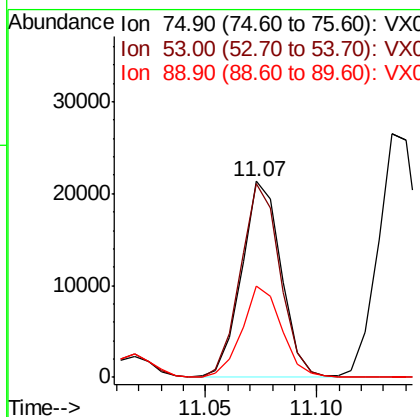
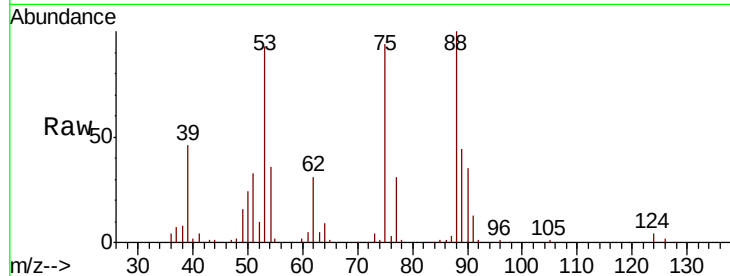
#81
trans-1,4-Dichloro-2-butene
Concen: 43.217 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.8	80.2	120.2
89	46.9	39.8	59.8

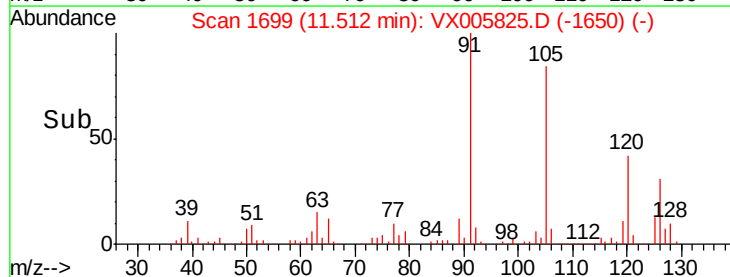
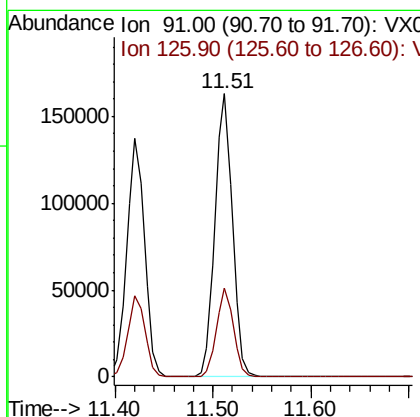
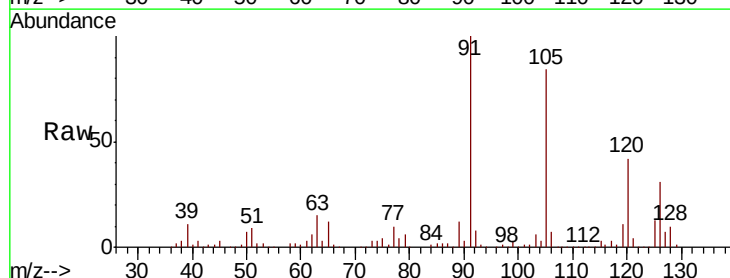
Manual Integrations
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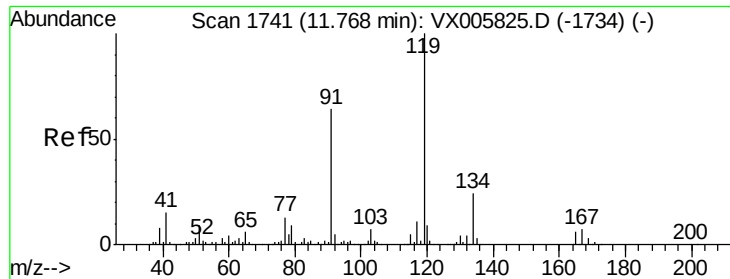
MMDadoda
11/8/2018 10:35:29 AM



#82
4-Chlorotoluene
Concen: 45.105 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.2	45.6





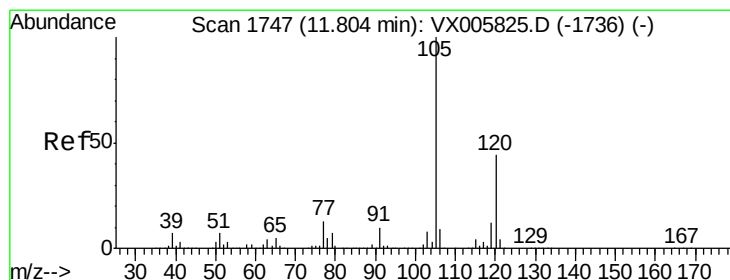
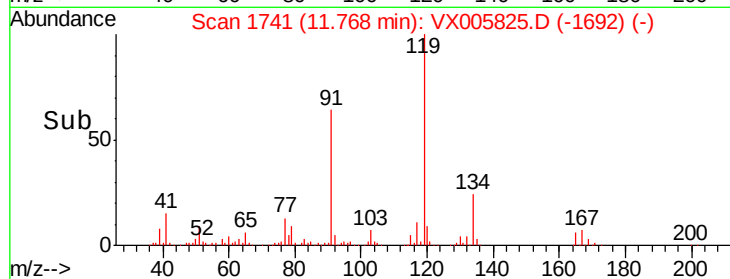
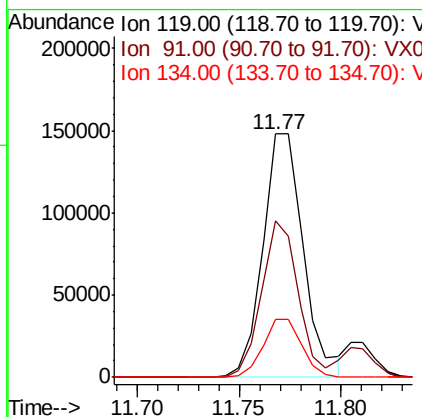
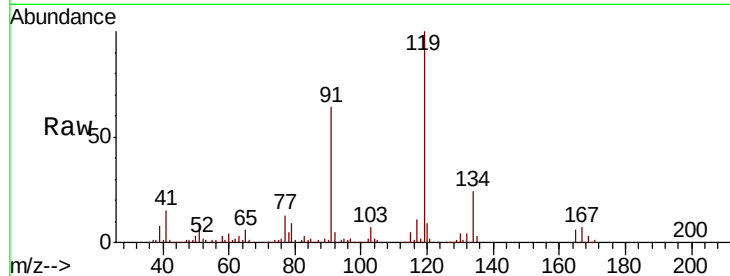
#83
 tert-Butylbenzene
 Concen: 48.818 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205761		
91	58.1		28.5	85.5
134	22.7		11.3	33.8

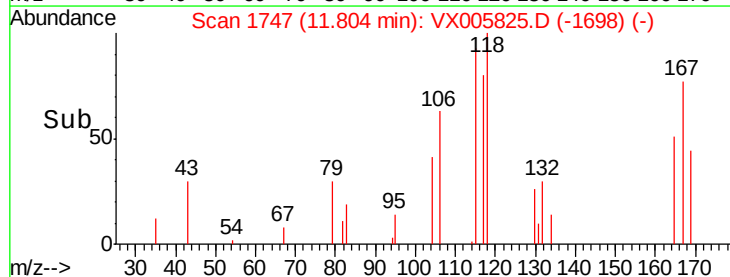
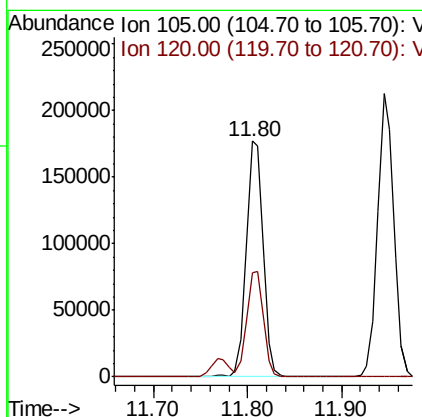
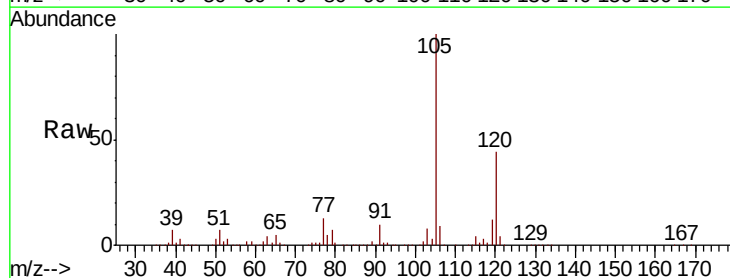
Manual Integrations
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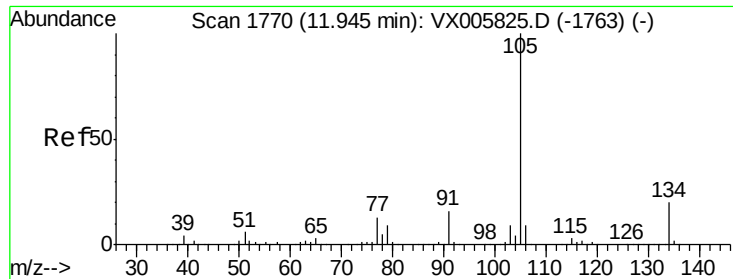
MMDadoda
 11/8/2018 10:35:29 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.452 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	220591		
120	44.2		22.4	67.0





#85

sec-Butylbenzene

Concen: 46.844 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

Instrument :

MSVOA_X

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 253270

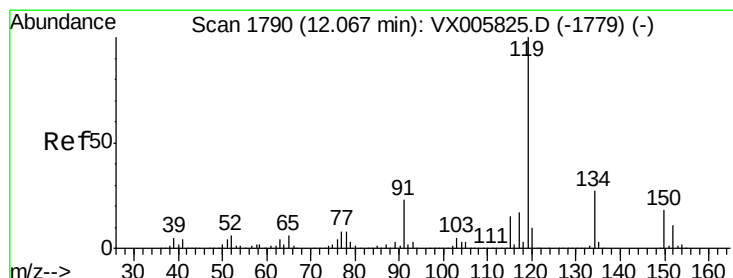
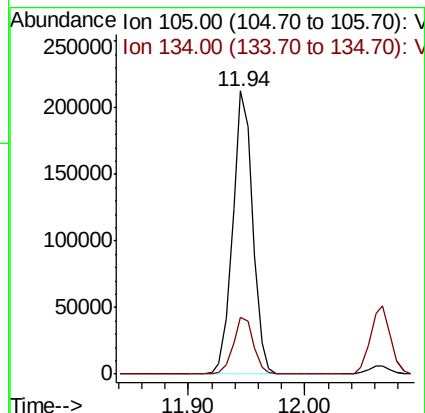
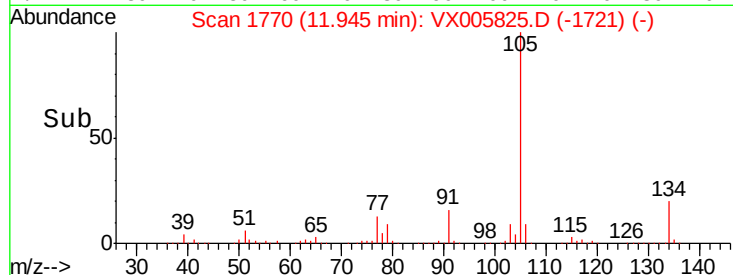
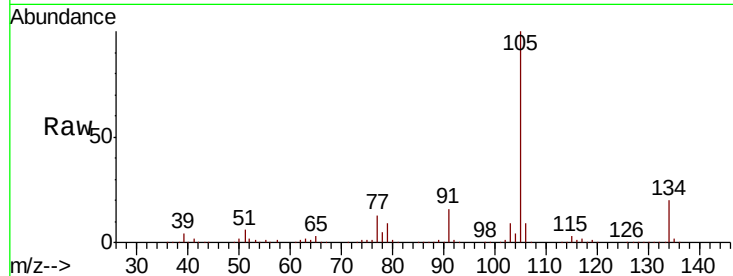
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4

Manual Integrations
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11/8/2018 10:35:29 AM



#86

p-Isopropyltoluene

Concen: 50.148 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005825.D

Acq: 07 Nov 2018 13:25

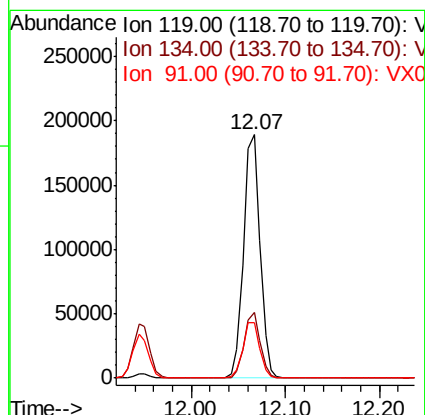
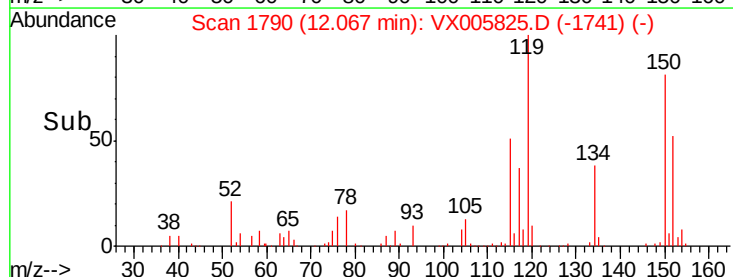
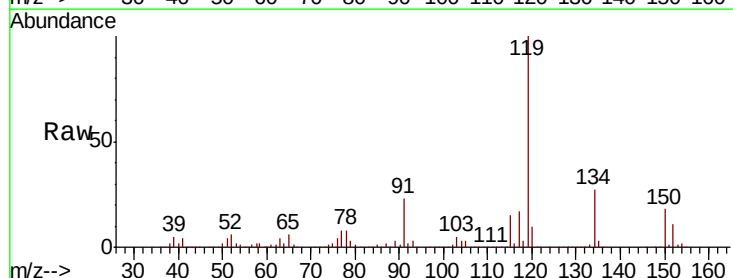
Tgt Ion:119 Resp: 230593

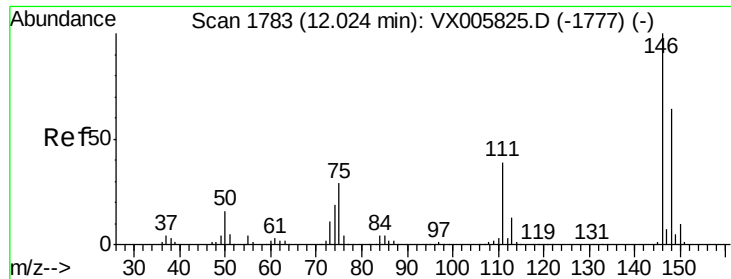
Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 23.4 11.4 34.2





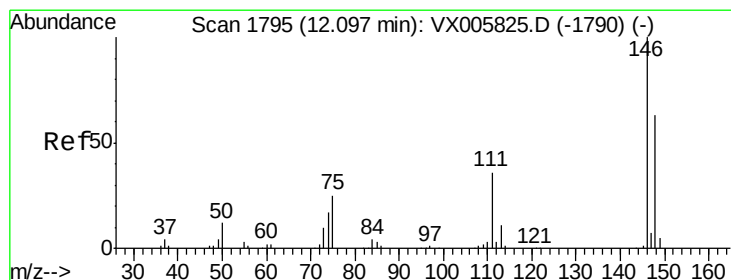
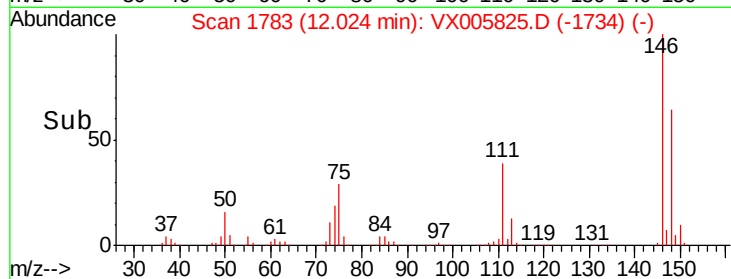
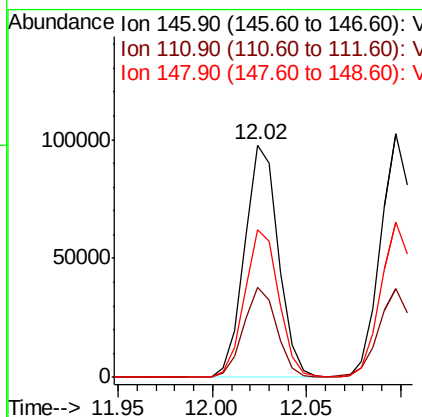
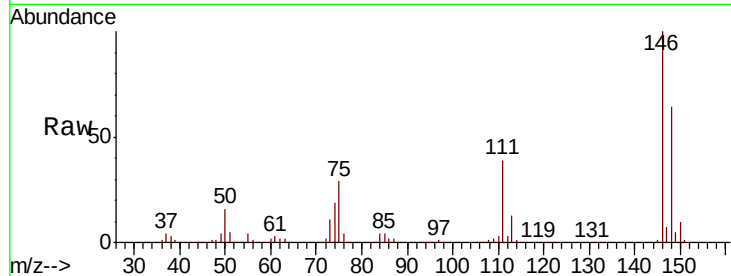
#87
 1,3-Dichlorobenzene
 Concen: 48.805 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	64.3	31.9	95.9

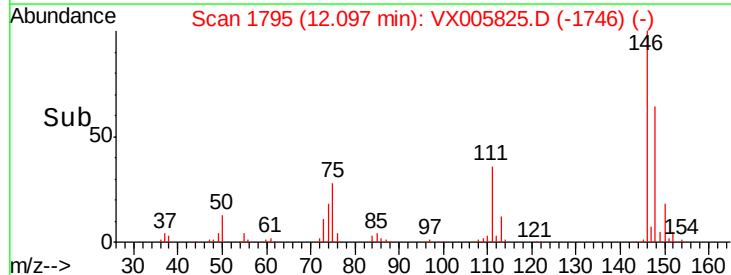
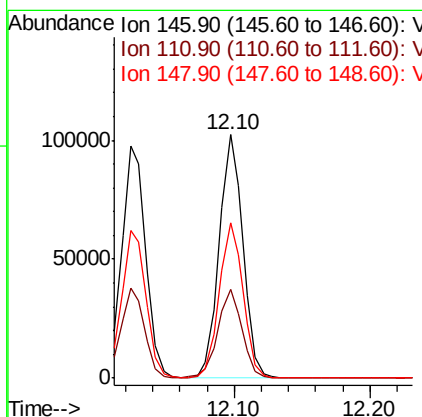
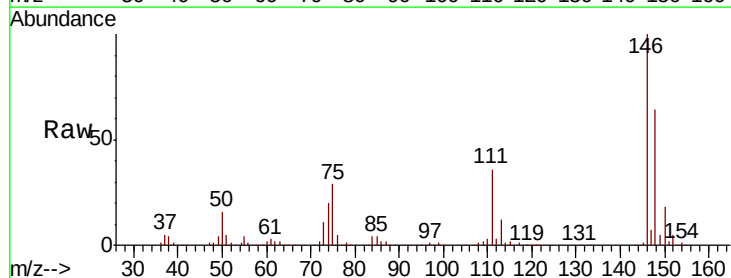
Manual Integrations
 APPROVED

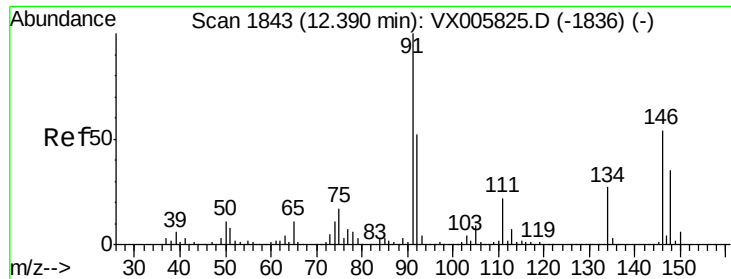
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 11/8/2018 10:35:29 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.196 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.8
148	63.9	32.1	96.3





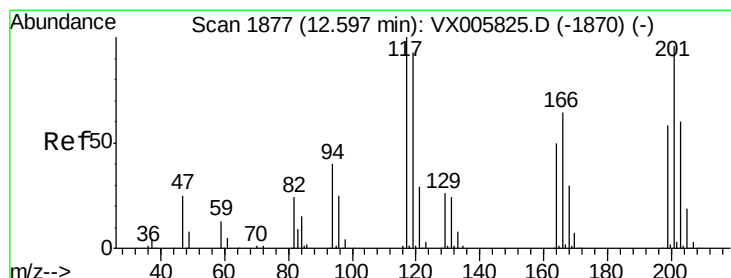
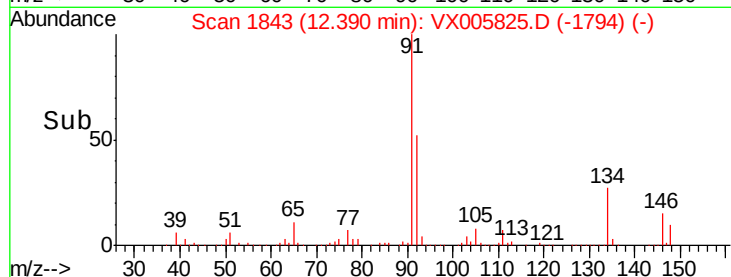
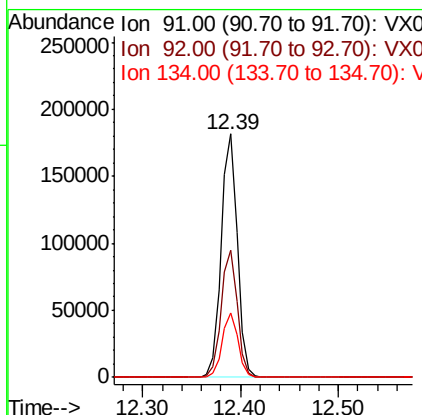
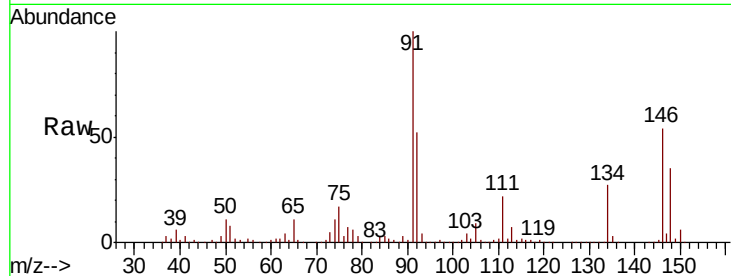
#89
n-Butylbenzene
Concen: 44.628 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	26.2	13.1	39.3

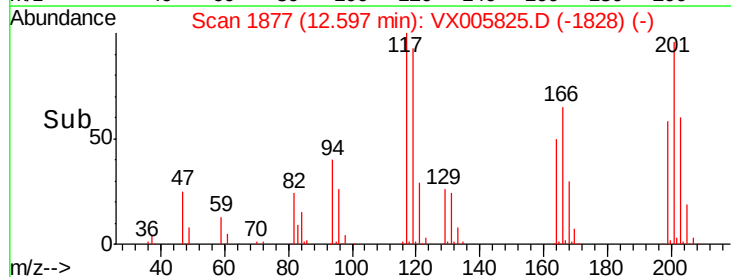
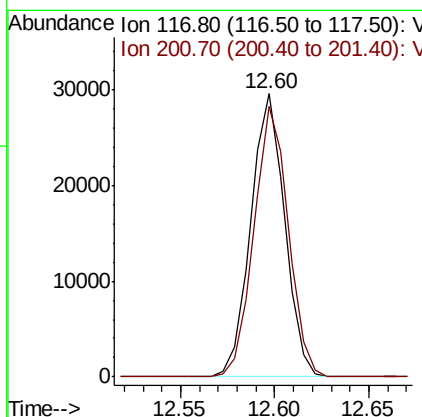
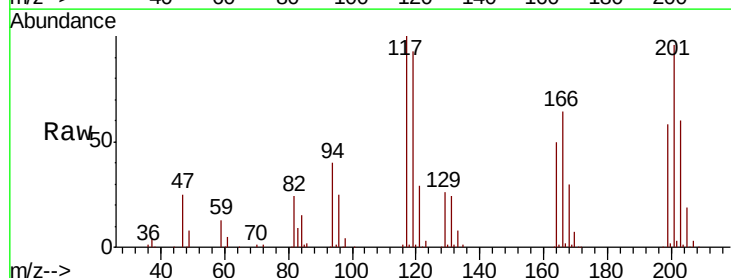
Manual Integrations
APPROVED

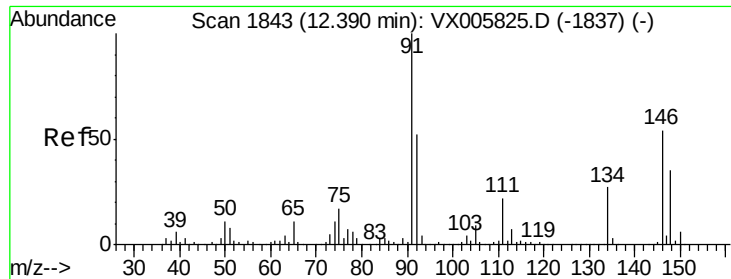
MMDadoda
11/8/2018 10:35:29 AM



#90
Hexachloroethane
Concen: 45.150 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.8	47.9	143.6





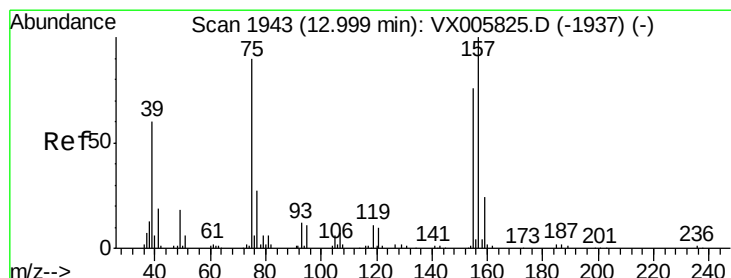
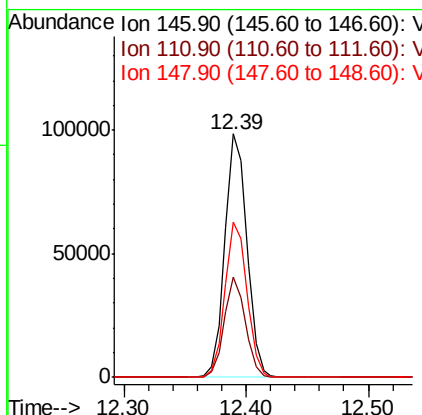
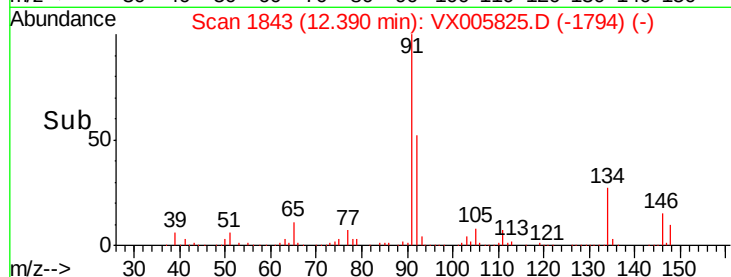
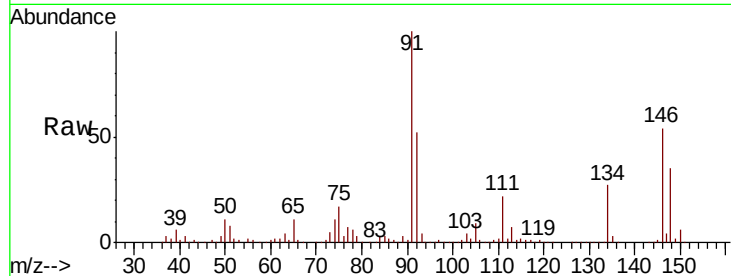
#91
 1,2-Dichlorobenzene
 Concen: 47.017 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122573		
111	39.6	20.0	59.9	
148	63.7	32.2	96.6	

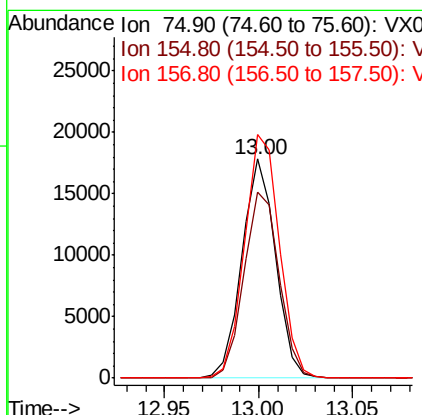
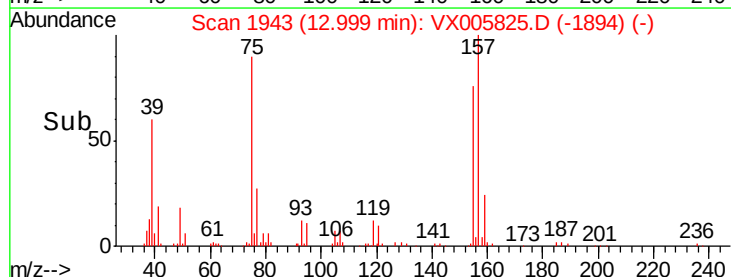
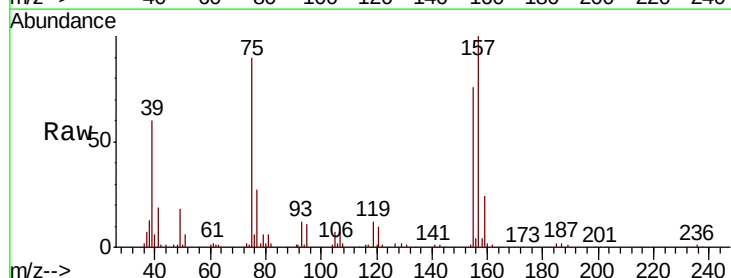
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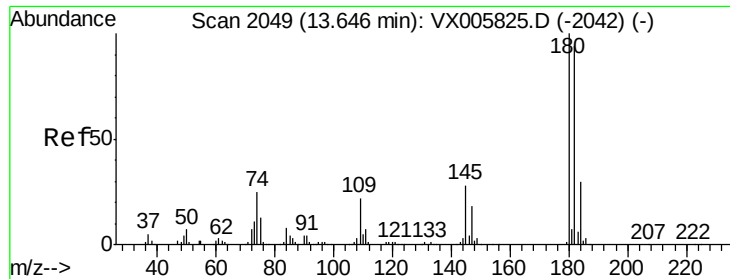
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.465 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22004		
155	89.0	45.4	136.1	
157	115.8	57.4	172.0	





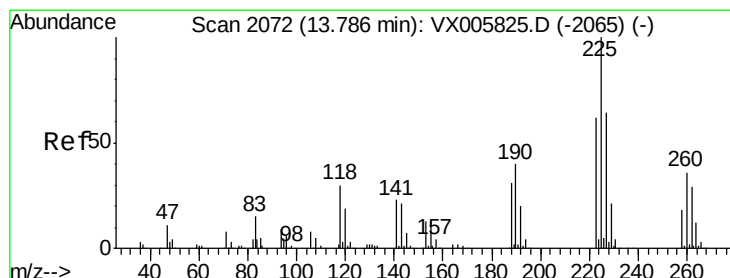
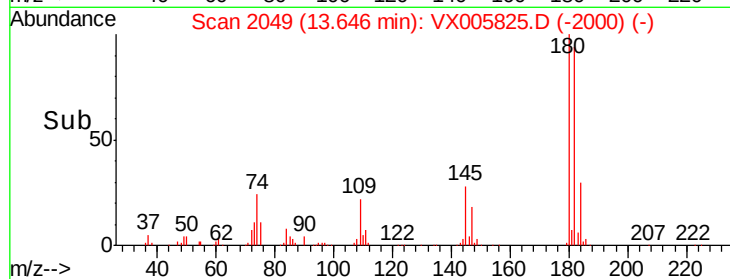
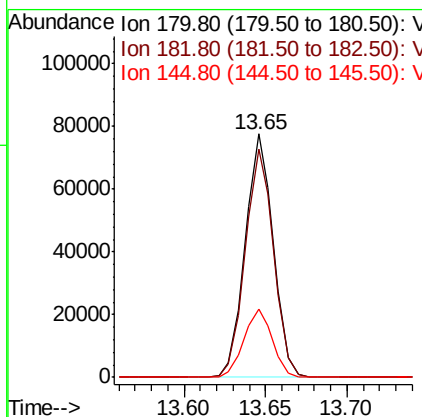
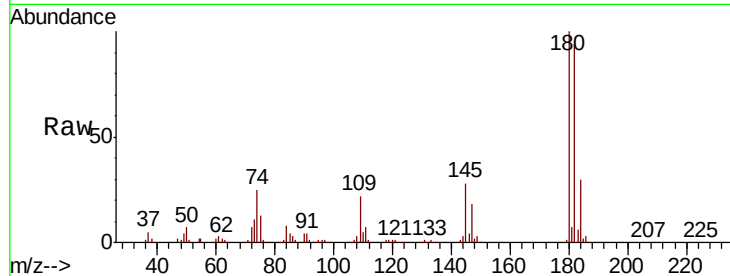
#93
 1,2,4-Trichlorobenzene
 Concen: 55.593 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	92955		
182	94.6		47.6	142.8
145	28.2		14.1	42.2

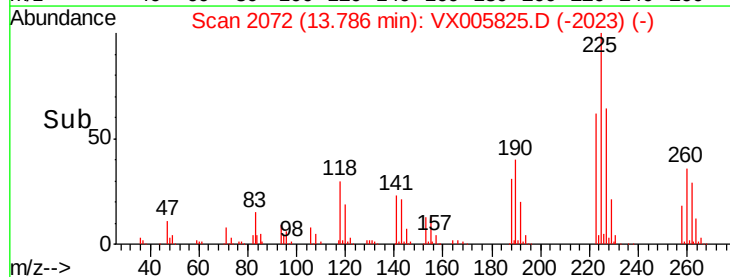
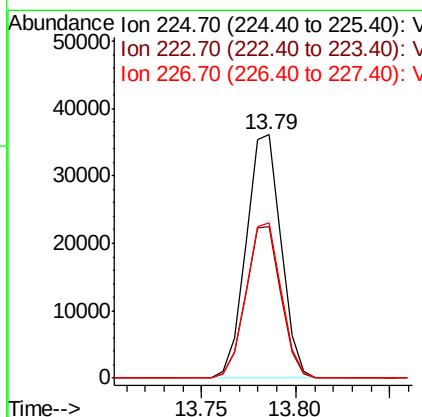
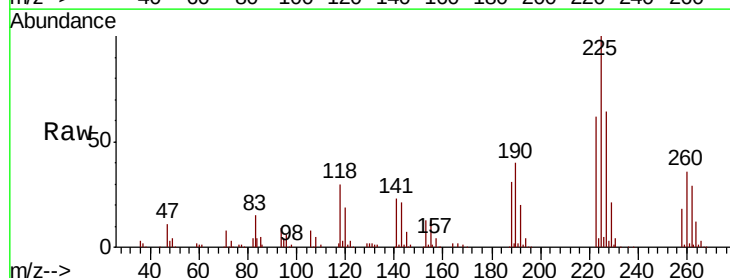
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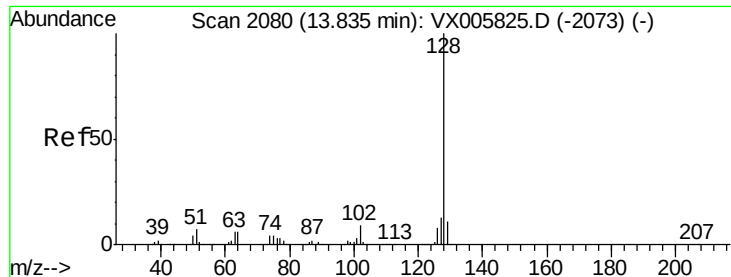
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 11/8/2018 10:35:29 AM



#94
 Hexachlorobutadiene
 Concen: 57.296 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005825.D
 Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46347		
223	62.4		31.7	95.1
227	64.1		32.3	96.9





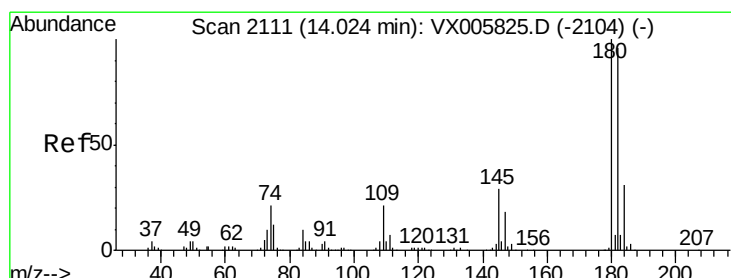
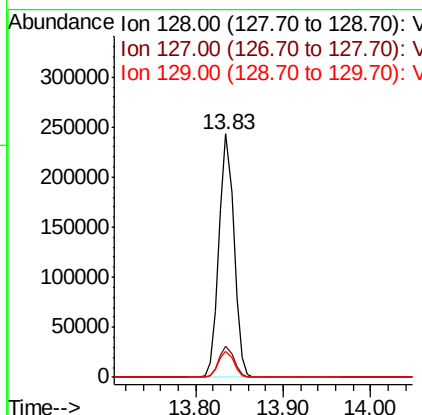
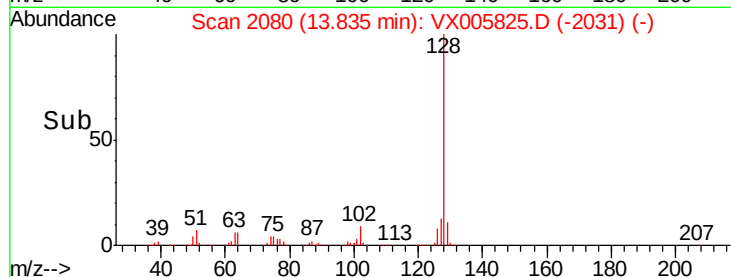
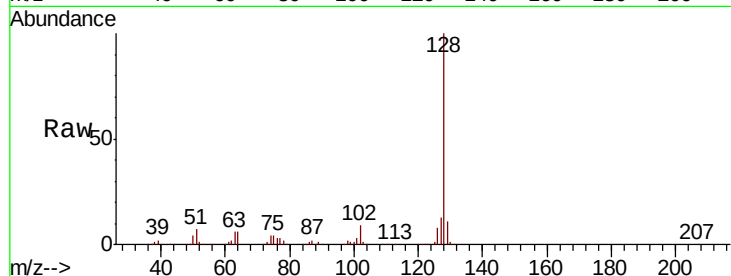
#95
Naphthalene
Concen: 51.953 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	285685		
127	13.0		10.4	15.6
129	10.8		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.161 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005825.D
Acq: 07 Nov 2018 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	93898		
182	96.2		48.0	144.2
145	30.2		15.1	45.3

