

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111218\
 Data File : VX005892.D
 Acq On : 12 Nov 2018 11:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 11:46:51 AM

Quant Time: Nov 13 04:55:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	116354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	153125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	136851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	80162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	60003	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	
35) Dibromofluoromethane	5.50	113	51827	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	8.71	98	175694	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.14	95	66224	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47066	44.865	ug/l	99
3) Chloromethane	1.32	50	60350	43.835	ug/l	97
4) Vinyl Chloride	1.41	62	64330	46.544	ug/l	95
5) Bromomethane	1.64	94	34715	41.043	ug/l	100
6) Chloroethane	1.72	64	39469	47.860	ug/l #	86
7) Trichlorofluoromethane	1.93	101	89005	48.514	ug/l	95
8) Diethyl Ether	2.19	74	34952	48.620	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	53561	50.761	ug/l	98
10) Methyl Iodide	2.51	142	59689	46.675	ug/l	99
11) Tert butyl alcohol	3.06	59	76840	200.528	ug/l	100
12) 1,1-Dichloroethene	2.37	96	45555	44.295	ug/l	93
13) Acrolein	2.29	56	29016	165.801	ug/l	99
14) Allyl chloride	2.72	41	111723	48.640	ug/l	96
15) Acrylonitrile	3.15	53	185918	234.121	ug/l	96
16) Acetone	2.45	43	157808	219.111	ug/l	92
17) Carbon Disulfide	2.57	76	141803	46.226	ug/l	98
18) Methyl Acetate	2.78	43	89901	46.474	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	172217	49.063	ug/l	100
20) Methylene Chloride	2.86	84	53128	44.907	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	49188	45.345	ug/l	93
22) Diisopropyl ether	3.87	45	182583	45.377	ug/l #	90
23) Vinyl Acetate	3.82	43	837041	242.622	ug/l	99
24) 1,1-Dichloroethane	3.69	63	97144	45.252	ug/l	99
25) 2-Butanone	4.70	43	248008	219.030	ug/l	97
26) 2,2-Dichloropropane	4.58	77	77639	49.303	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	53963	45.053	ug/l	98
28) Bromochloromethane	5.03	49	50445	52.579	ug/l	97
29) Tetrahydrofuran	5.15	42	162858	224.007	ug/l	97
30) Chloroform	5.21	83	99007	47.804	ug/l	91
31) Cyclohexane	5.58	56	83580	44.852	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	82043	47.492	ug/l	98
36) 1,1-Dichloropropene	5.79	75	69435	47.038	ug/l	99
37) Ethyl Acetate	4.85	43	91504	47.138	ug/l	99
38) Carbon Tetrachloride	5.79	117	70889	47.969	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	75533	50.485	ug/l	97
40) Benzene	6.14	78	202090	46.961	ug/l	92
41) Methacrylonitrile	5.06	41	52107	49.677	ug/l	98
42) 1,2-Dichloroethane	6.20	62	72176	46.826	ug/l	100
43) Isopropyl Acetate	6.46	43	123806	44.015	ug/l	99
44) Trichloroethene	7.21	130	52036	47.615	ug/l	95
45) 1,2-Dichloropropane	7.51	63	52609	50.368	ug/l #	87
46) Dibromomethane	7.66	93	32634	49.790	ug/l	99
47) Bromodichloromethane	7.90	83	64539	52.103	ug/l	98
48) Methyl methacrylate	7.77	41	63611	50.365	ug/l	98
49) 1,4-Dioxane	7.75	88	25998	955.253	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	423074	238.656	ug/l	100
52) Toluene	8.79	92	118671	49.342	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	71875	49.170	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	77991	52.347	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	48464	45.214	ug/l	99
56) Ethyl methacrylate	9.18	69	73456	45.801	ug/l	100
57) 1,3-Dichloropropane	9.37	76	81420	45.201	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	209235	239.770	ug/l	100
59) 2-Hexanone	9.49	43	337521	216.001	ug/l	100
60) Dibromochloromethane	9.59	129	52648	45.448	ug/l	99
61) 1,2-Dibromoethane	9.67	107	50765	42.830	ug/l	100
64) Tetrachloroethene	9.34	164	55952	48.021	ug/l	98
65) Chlorobenzene	10.14	112	132994	48.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	48796	51.196	ug/l	99
67) Ethyl Benzene	10.25	91	229366	52.174	ug/l	99
68) m/p-Xylenes	10.36	106	180777	107.806	ug/l	100
69) o-Xylene	10.70	106	83872	55.779	ug/l	99
70) Styrene	10.71	104	144029	58.065	ug/l	99
71) Bromoform	10.86	173	43803	54.823	ug/l #	98
73) Isopropylbenzene	11.02	105	236756	51.073	ug/l	100
74) N-amyl acetate	10.90	43	109863	42.432	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	76502	44.961	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	76610m	46.935	ug/l	
77) Bromobenzene	11.26	156	62409	47.764	ug/l	98
78) n-propylbenzene	11.36	91	279439	51.149	ug/l	99
79) 2-Chlorotoluene	11.42	91	162571	49.231	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	204862	52.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	24632	48.096	ug/l	99
82) 4-Chlorotoluene	11.51	91	195914	50.341	ug/l	100
83) tert-Butylbenzene	11.77	119	197623	49.587	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	211029	48.538	ug/l	99
85) sec-Butylbenzene	11.94	105	243818	50.029	ug/l	100
86) p-Isopropyltoluene	12.07	119	223503	51.775	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	118169	47.125	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	119929	46.719	ug/l	100
89) n-Butylbenzene	12.39	91	200774	50.183	ug/l	100
90) Hexachloroethane	12.60	117	35162	48.787	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	117370	46.723	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19254	46.372	ug/l	99

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VSTDCCC050

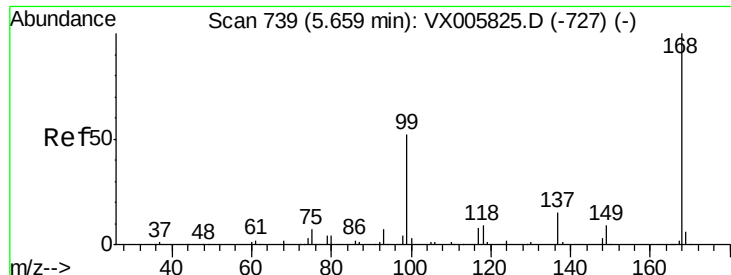
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	89834	50.799	ug/l	100
94) Hexachlorobutadiene	13.78	225	47211	50.823	ug/l	98
95) Naphthalene	13.83	128	261917	45.523	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	90283	50.112	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 116354

Ion Ratio Lower Upper

168 100

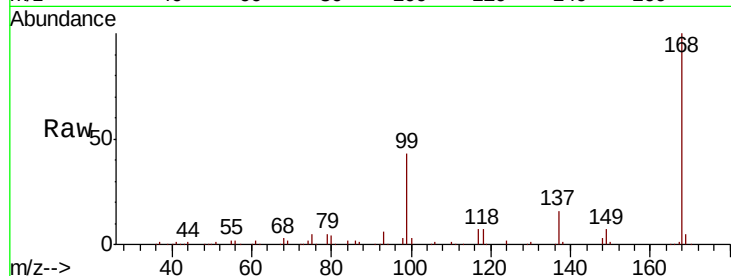
99 43.3 40.7 61.1

Manual Integrations

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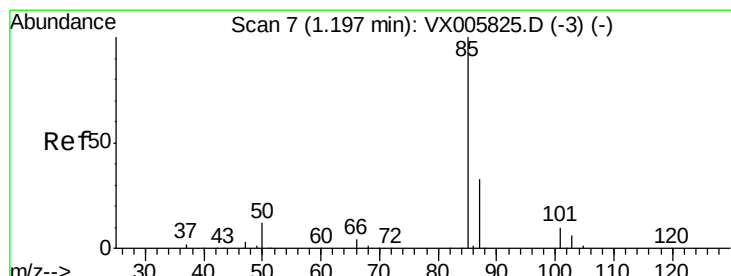
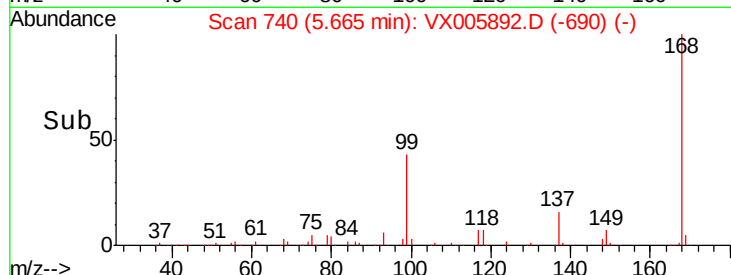
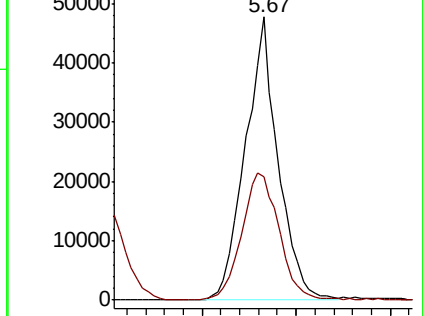
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 44.865 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005892.D

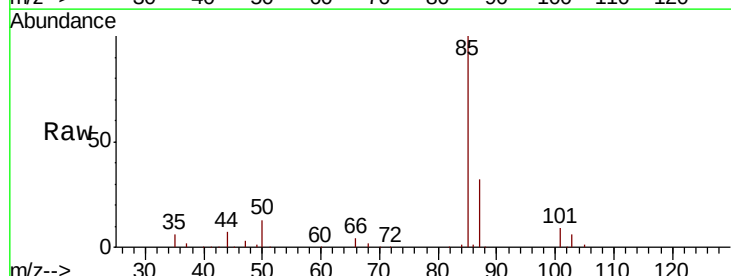
Acq: 12 Nov 2018 11:23

Tgt Ion: 85 Resp: 47066

Ion Ratio Lower Upper

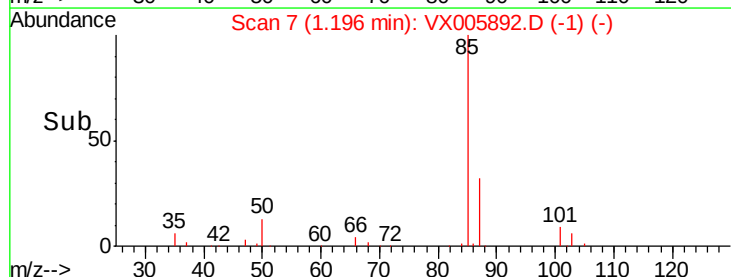
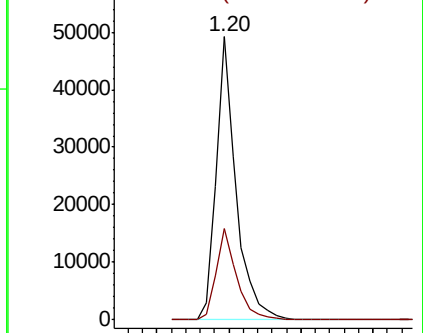
85 100

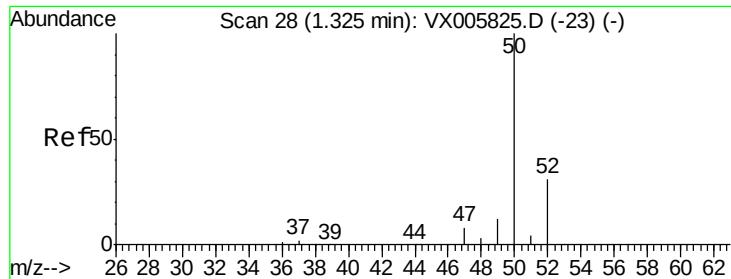
87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 43.835 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 60350

Ion Ratio Lower Upper

50 100

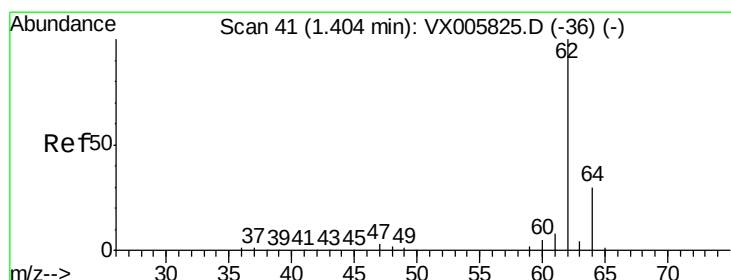
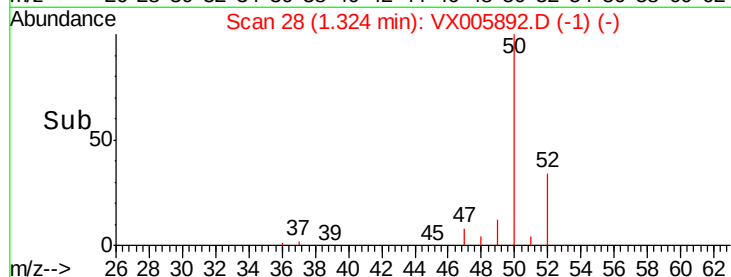
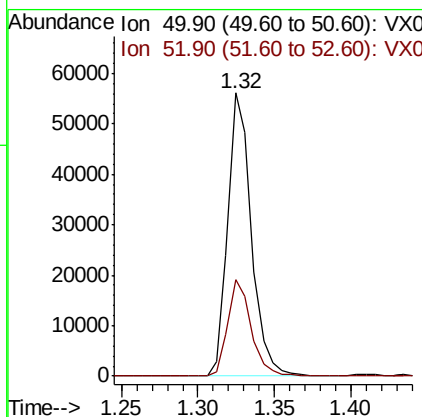
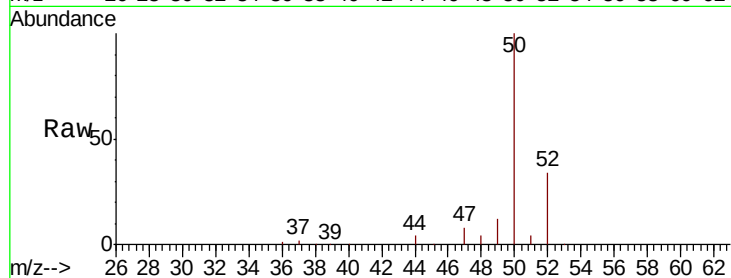
52 34.1 26.2 39.2

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#4

Vinyl Chloride

Concen: 46.544 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005892.D

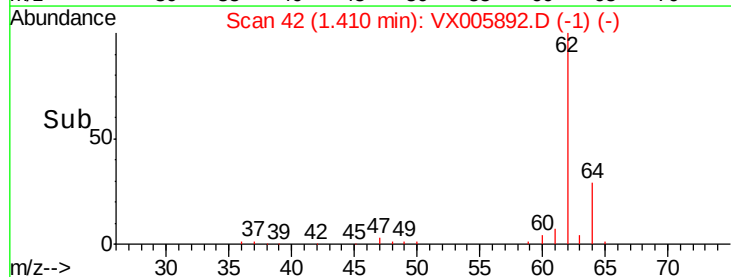
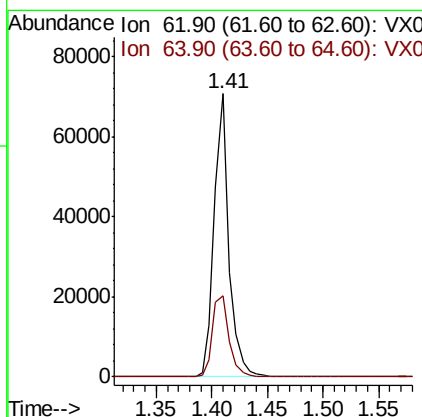
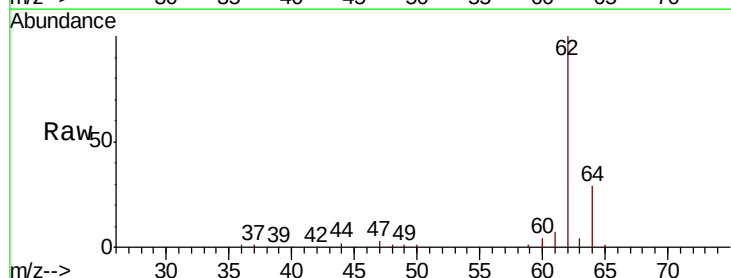
Acq: 12 Nov 2018 11:23

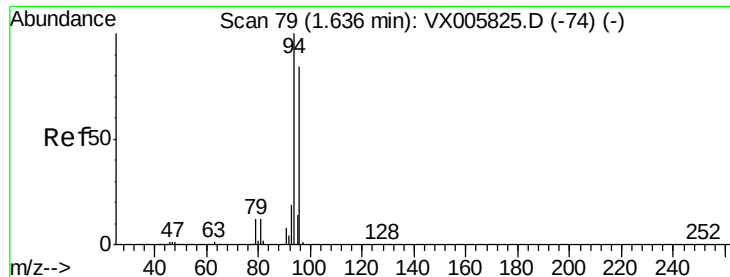
Tgt Ion: 62 Resp: 64330

Ion Ratio Lower Upper

62 100

64 28.6 25.3 37.9





#5

Bromomethane

Concen: 41.043 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 34715

Ion Ratio Lower Upper

94 100

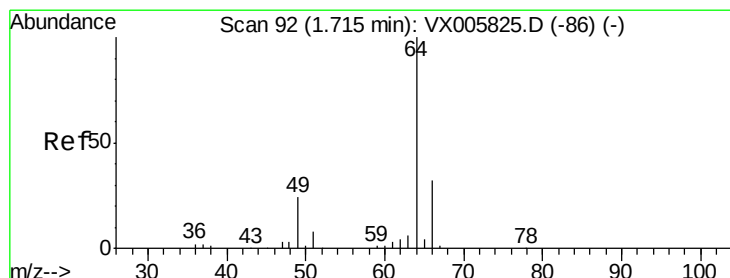
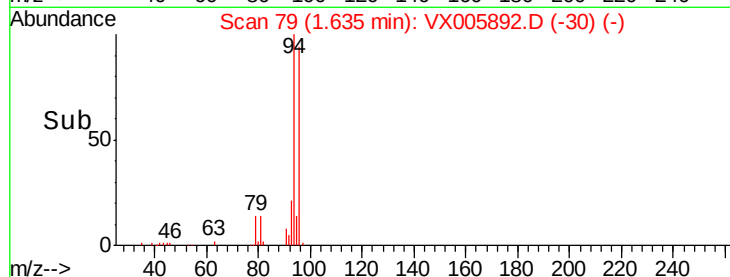
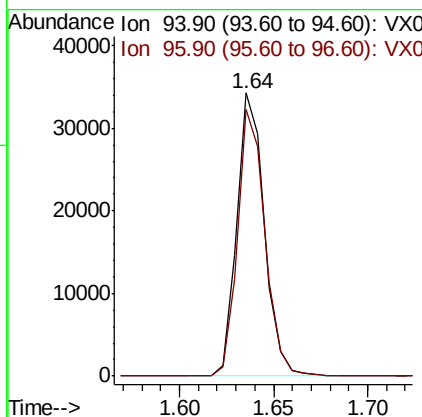
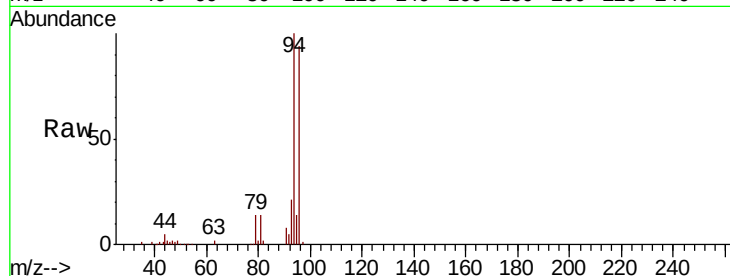
96 94.4 75.2 112.8

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#6

Chloroethane

Concen: 47.860 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005892.D

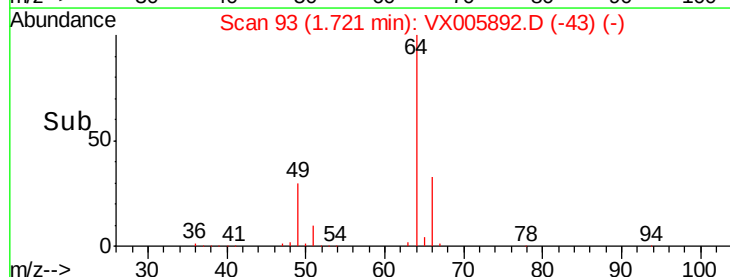
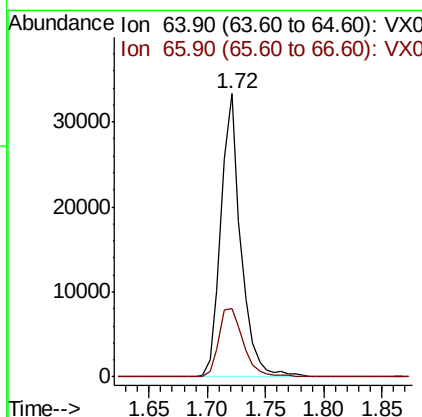
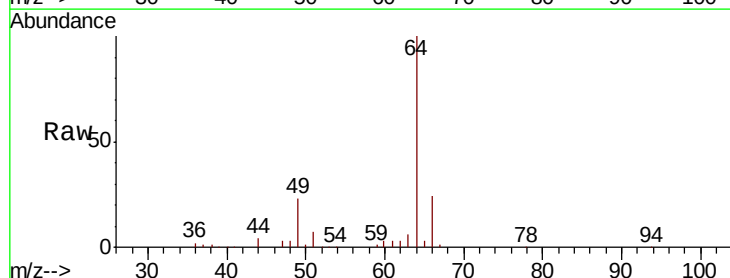
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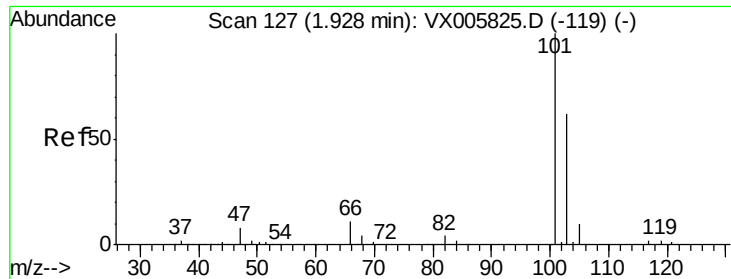
Tgt Ion: 64 Resp: 39469

Ion Ratio Lower Upper

64 100

66 24.4 25.8 38.6#





#7

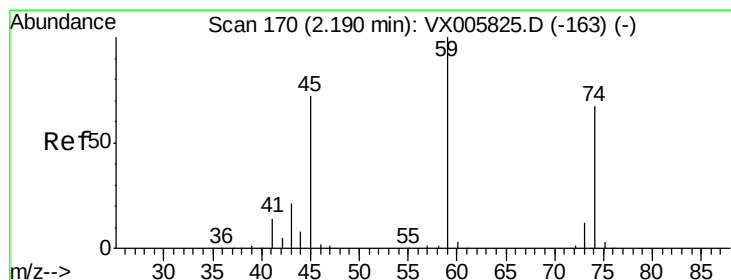
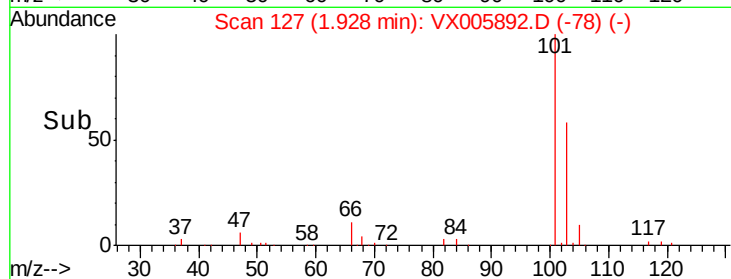
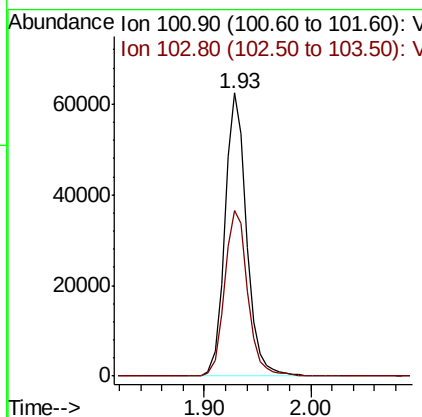
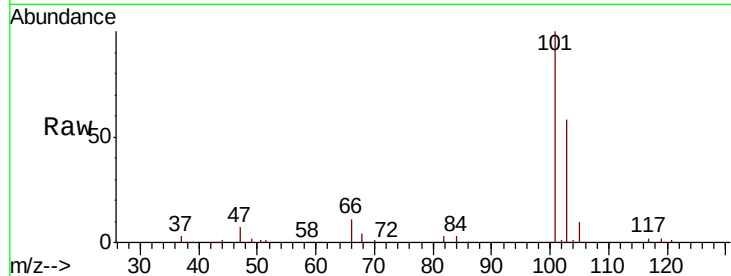
Trichlorofluoromethane
Concen: 48.514 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

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VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		89005		
103	58.4	50.0	75.0		

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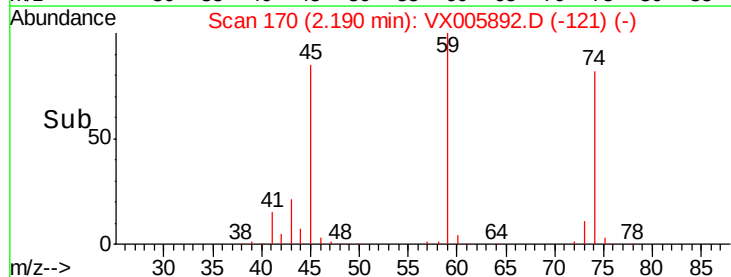
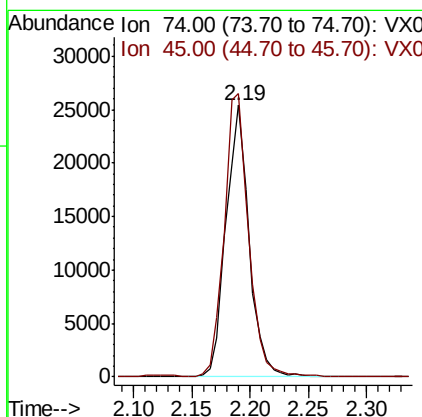
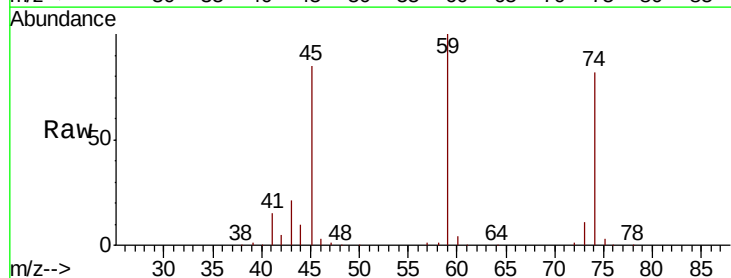
MMDadoda
11/13/2018 11:46:51 AM

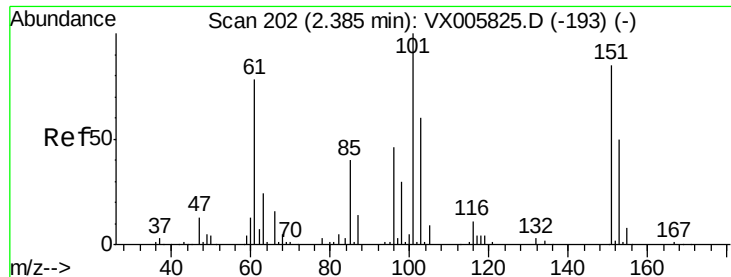


#8

Diethyl Ether
Concen: 48.620 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		34952		
45	108.7	54.1	162.3		





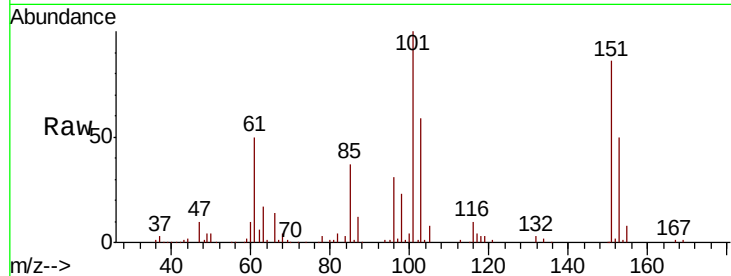
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.761 ug/l
RT: 2.39 min Scan# 203
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

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VSTDCCC050

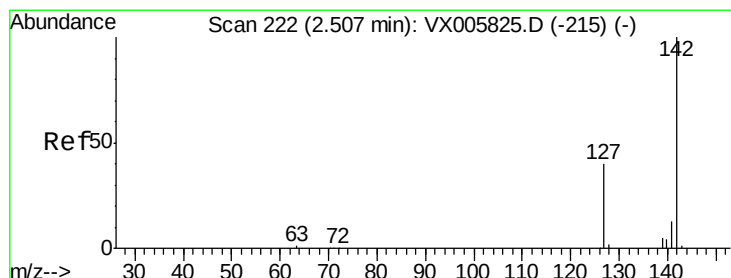
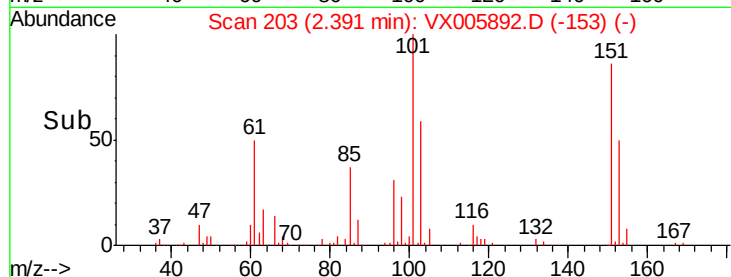
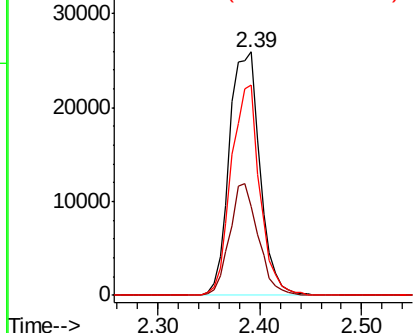
Tot Ion	Ratio	Resp	Lower	Upper
101	100	53561		
85	42.8	35.0	52.4	
151	81.1	66.2	99.2	

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11/13/2018 11:46:51 AM

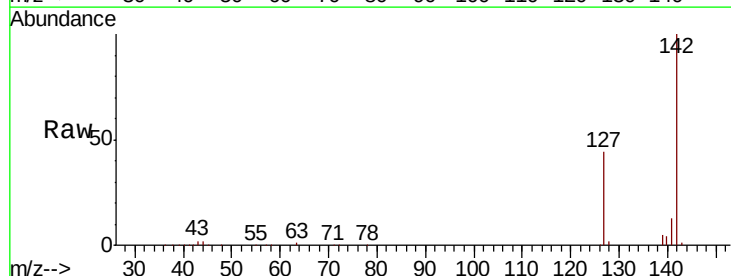


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V

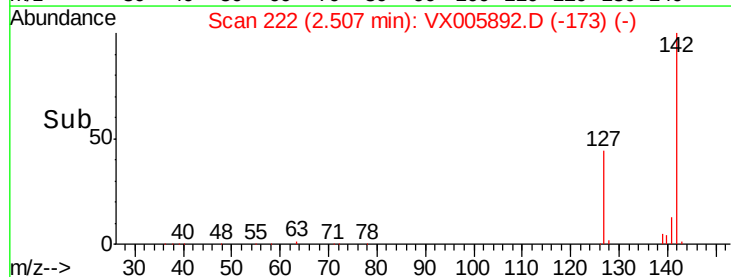
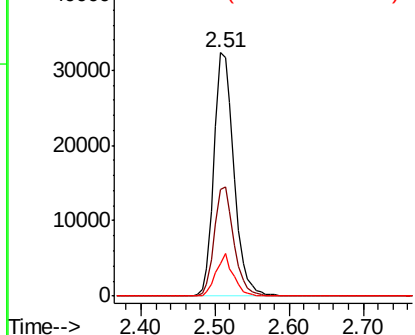


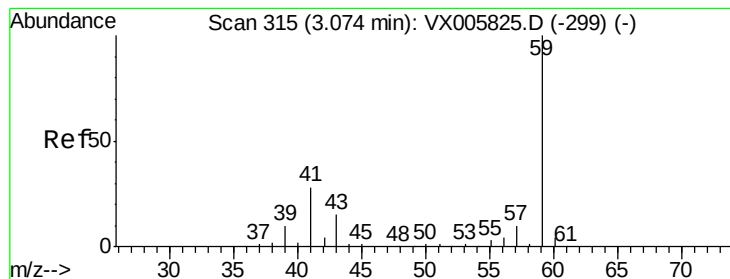
#10
Methyl Iodide
Concen: 46.675 ug/l
RT: 2.51 min Scan# 222
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	59689		
127	44.1	36.0	54.0	
141	15.1	11.7	17.5	



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





#11

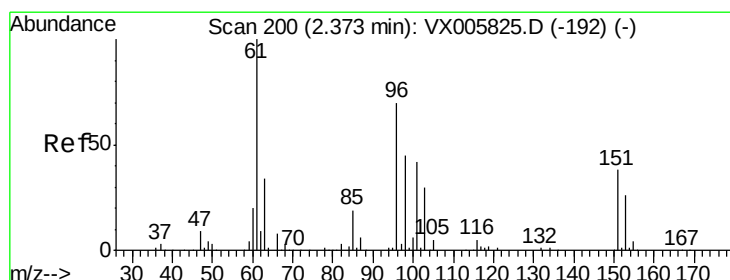
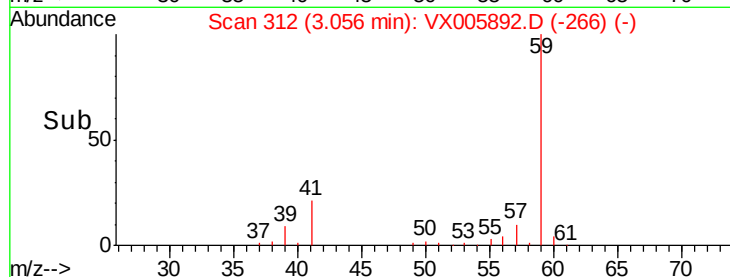
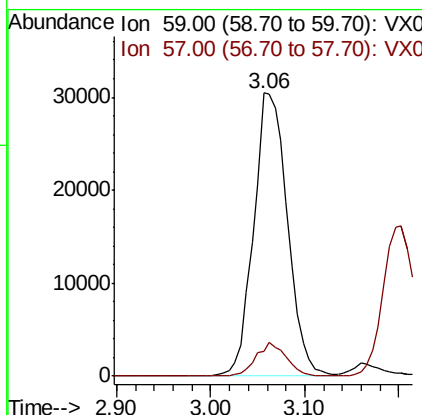
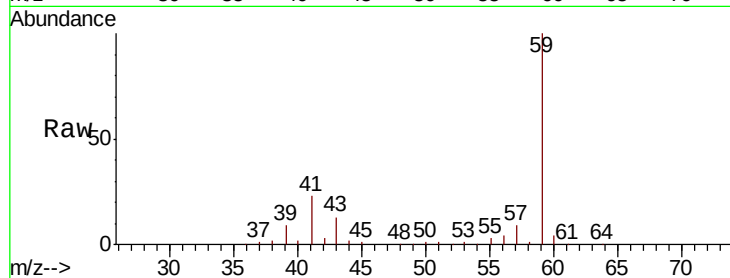
Tert butyl alcohol
 Concen: 200.528 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

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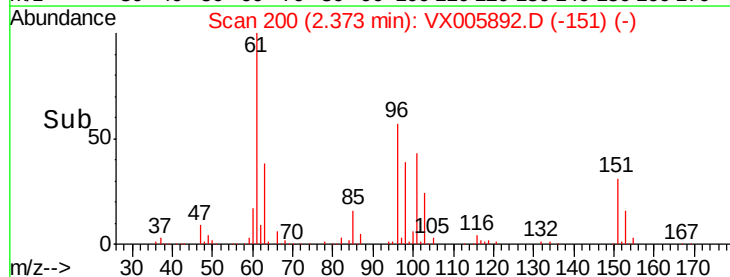
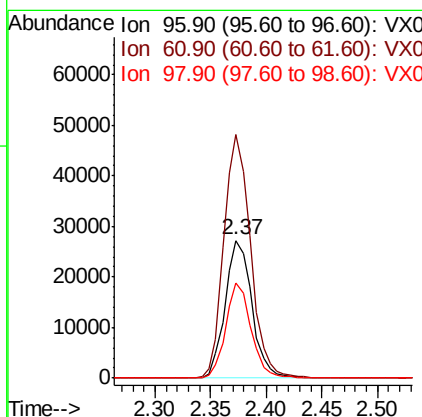
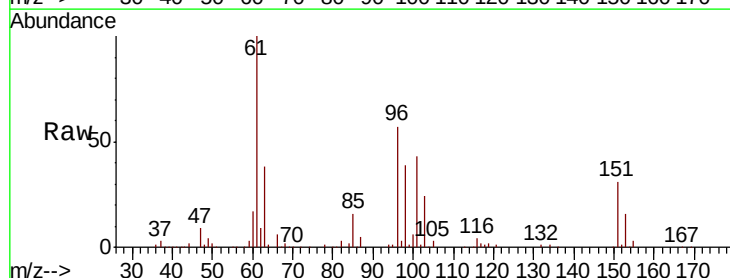
MMDadoda
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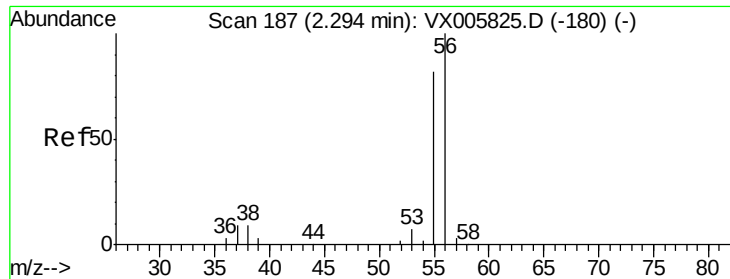


#12

1,1-Dichloroethene
 Concen: 44.295 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.6	131.8	197.8
98	69.4	53.4	80.2





#13

Acrolein

Concen: 165.801 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 29016

Ion Ratio Lower Upper

56 100

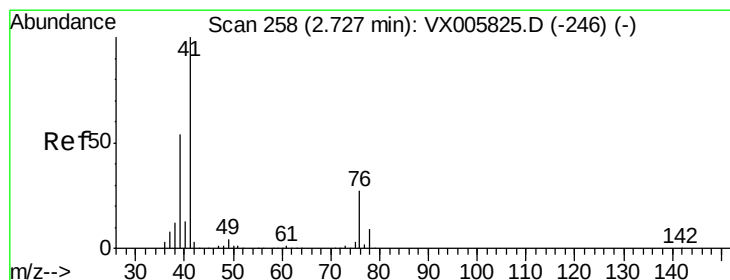
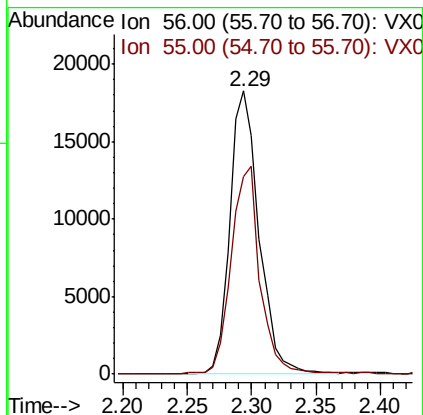
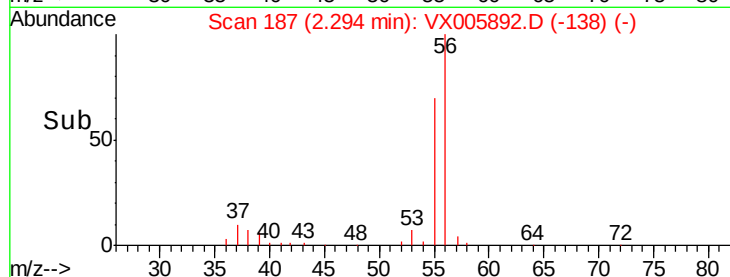
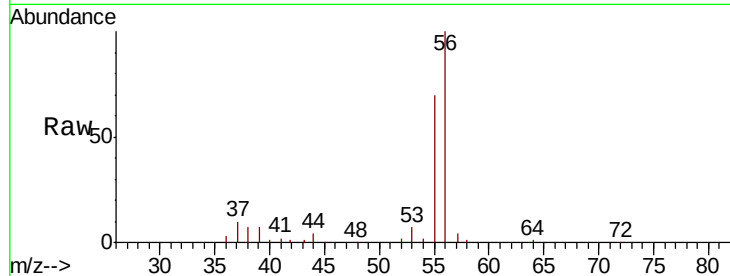
55 72.7 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 48.640 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

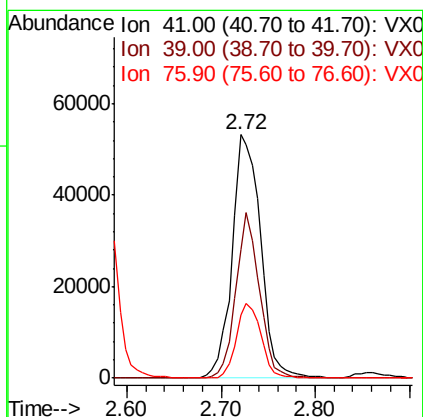
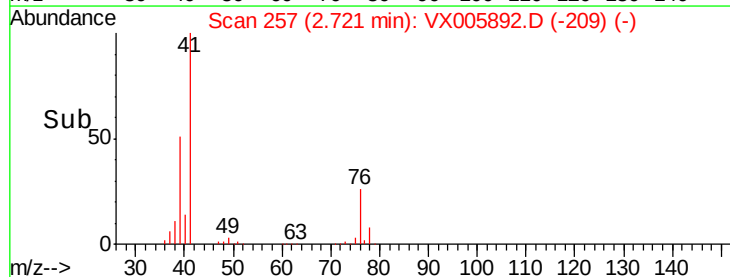
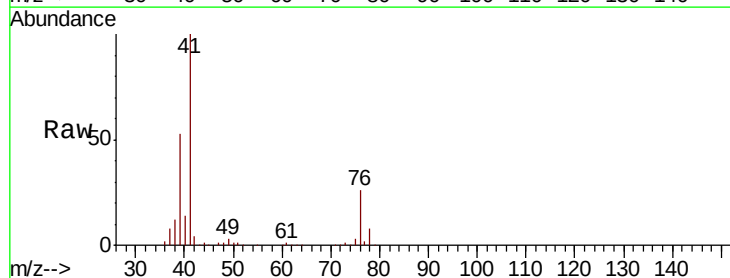
Tgt Ion: 41 Resp: 111723

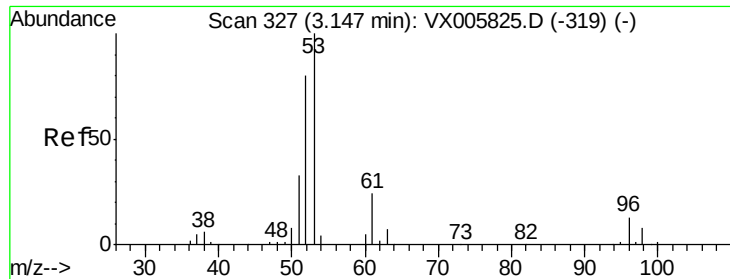
Ion Ratio Lower Upper

41 100

39 56.6 48.2 72.4

76 26.6 21.9 32.9





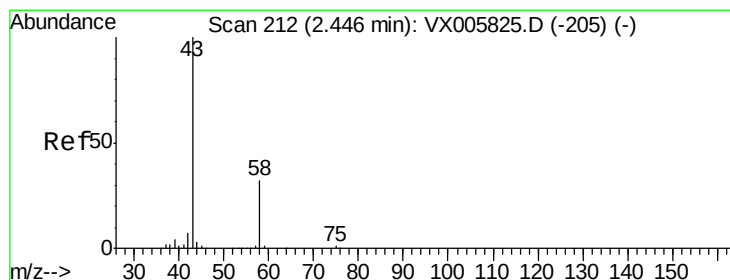
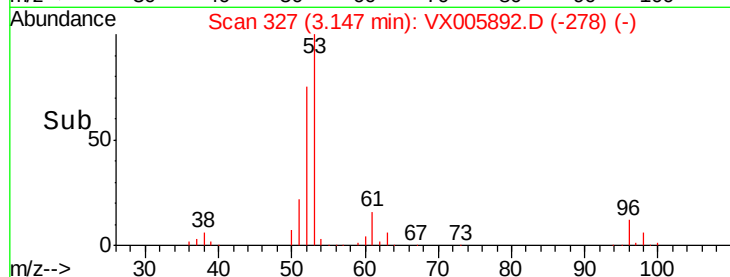
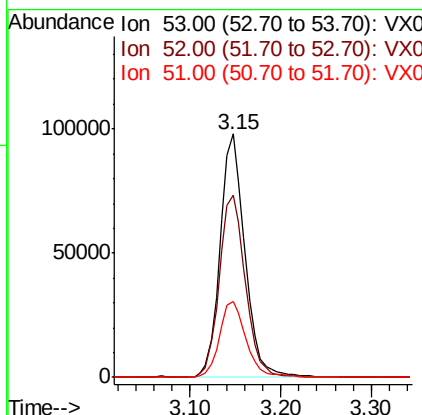
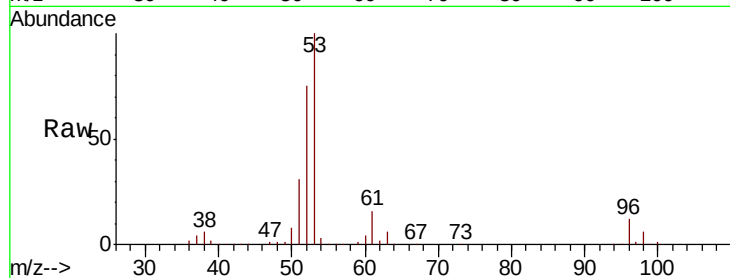
#15
 Acrylonitrile
 Concen: 234.121 ug/l
 RT: 3.15 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	79.0	66.6	99.8
51	33.8	28.4	42.6

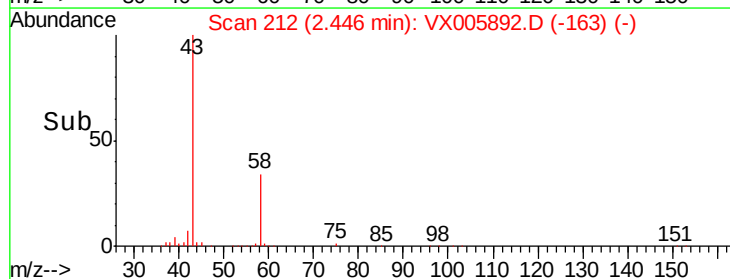
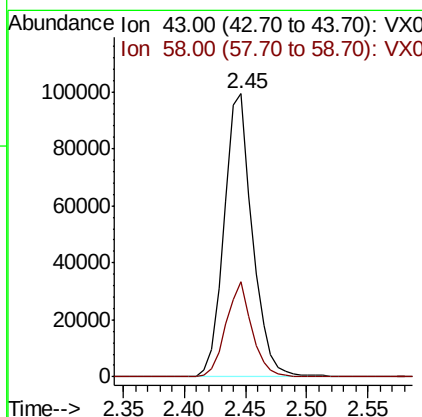
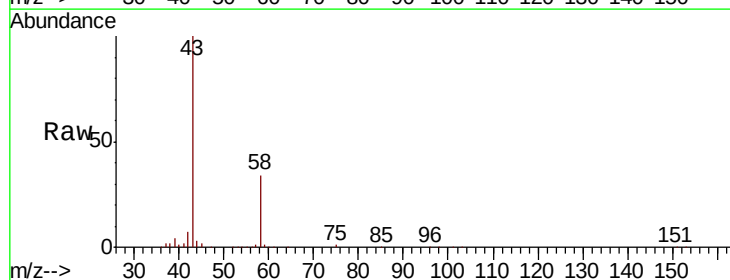
Manual Integrations
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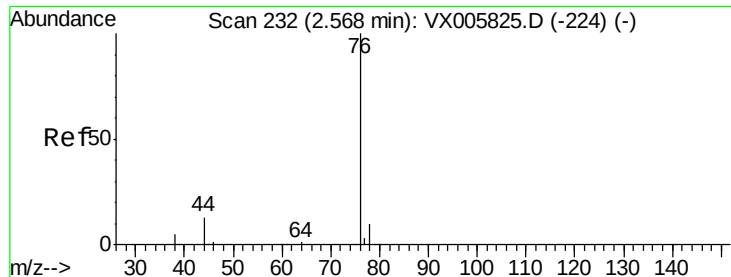
MMDadoda
 11/13/2018 11:46:51 AM



#16
 Acetone
 Concen: 219.111 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	23.8	35.6





#17

Carbon Disulfide

Concen: 46.226 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 141803

Ion Ratio Lower Upper

76 100

78 9.7

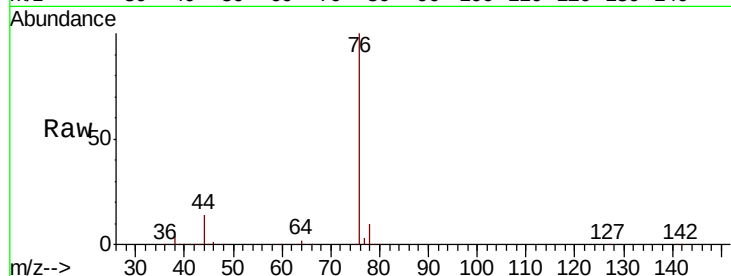
7.3 10.9

Manual Integrations

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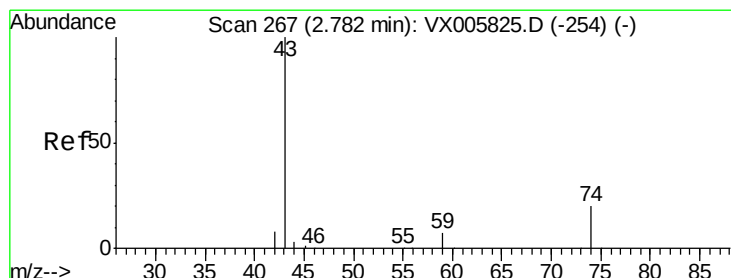
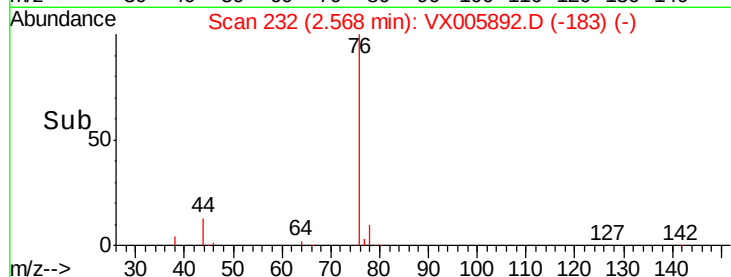
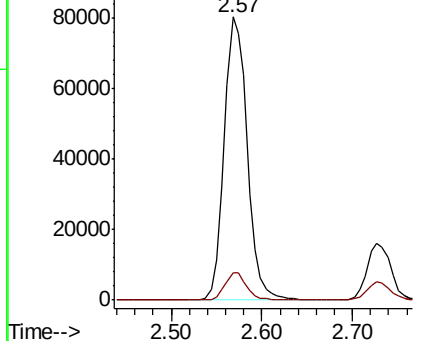
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 46.474 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

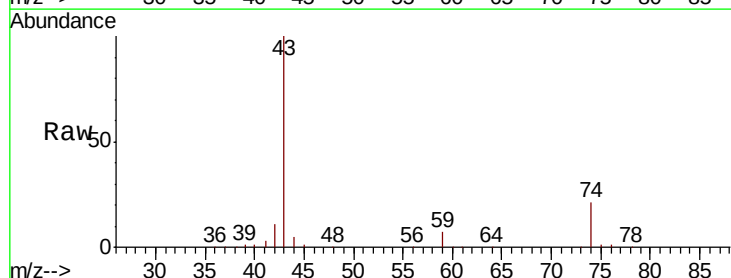
Tgt Ion: 43 Resp: 89901

Ion Ratio Lower Upper

43 100

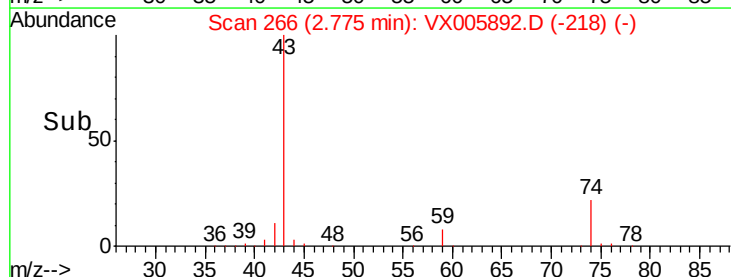
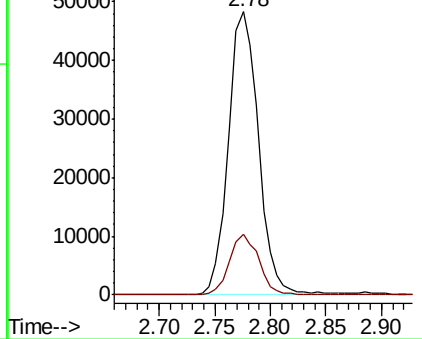
74 21.3

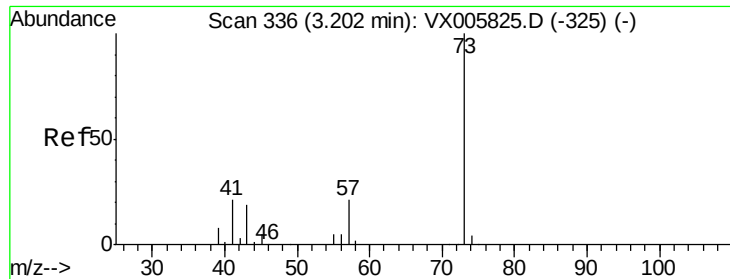
16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





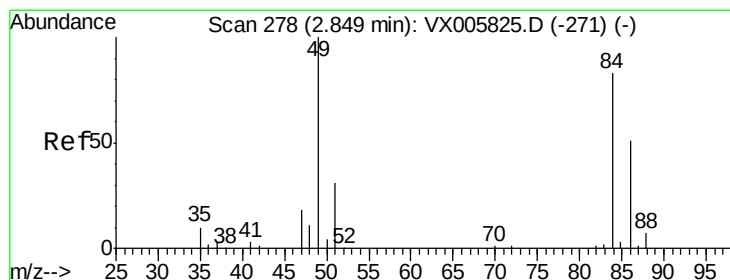
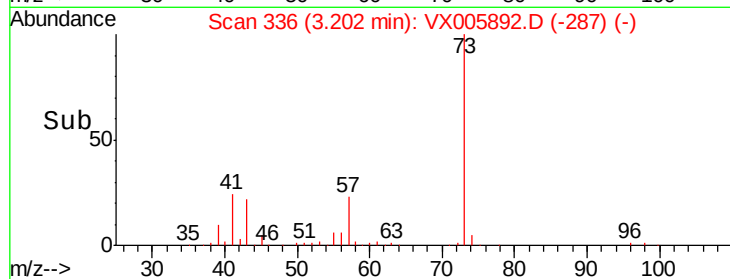
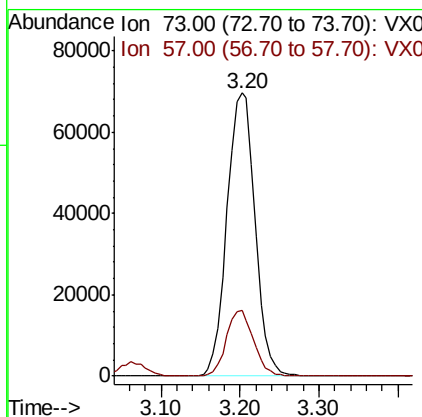
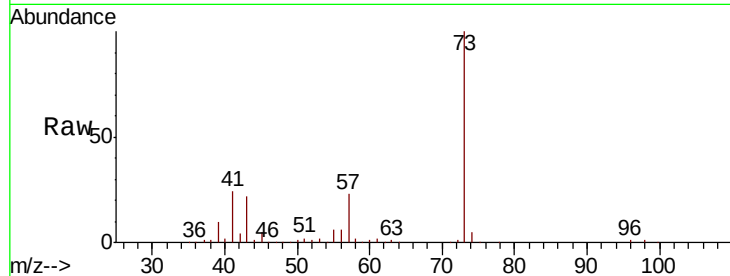
#19
Methyl tert-butyl Ether
Concen: 49.063 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 172217
Ion Ratio Lower Upper
73 100
57 23.3 18.8 28.2

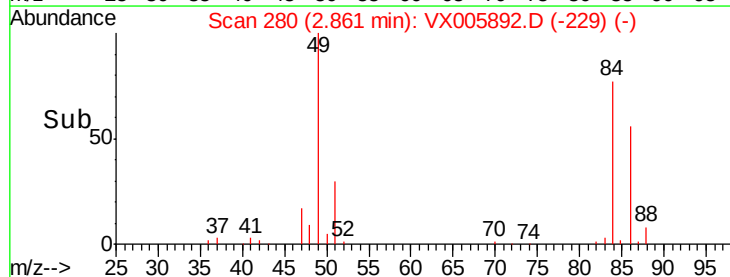
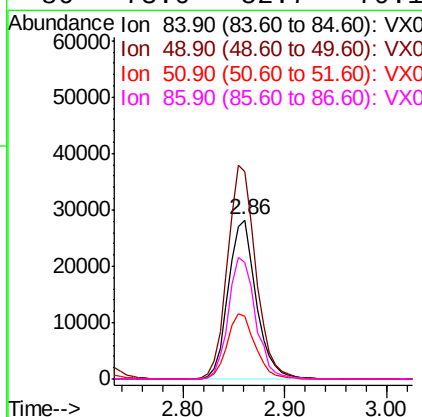
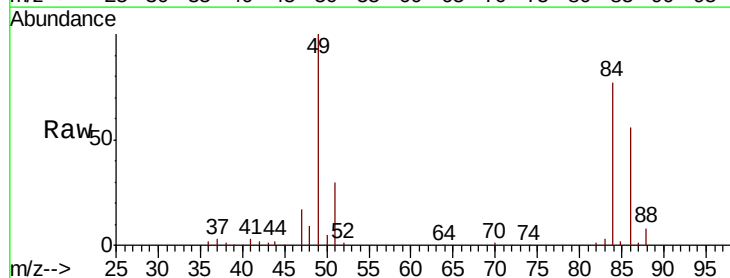
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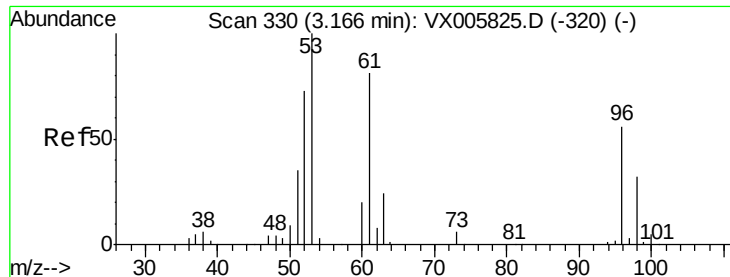
MMDadoda
11/13/2018 11:46:51 AM



#20
Methylene Chloride
Concen: 44.907 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion: 84 Resp: 53128
Ion Ratio Lower Upper
84 100
49 130.0 109.5 164.3
51 39.5 33.3 49.9
86 73.0 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 45.345 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 49188

Ion Ratio Lower Upper

96 100

61 155.7 115.6 173.4

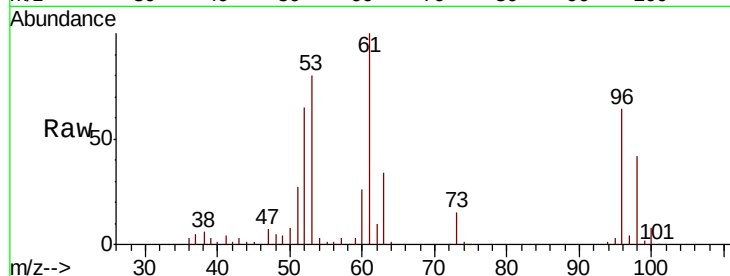
98 65.7 50.2 75.2

Manual Integrations

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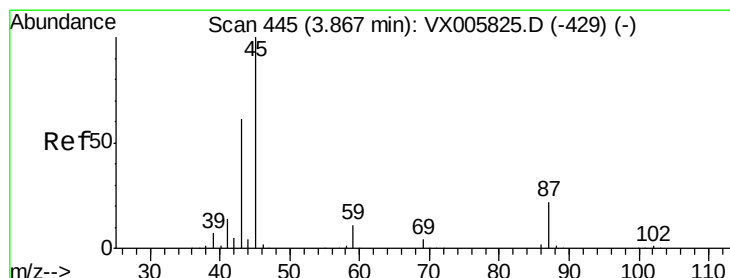
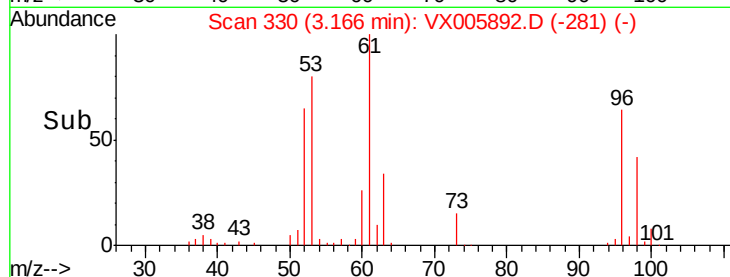
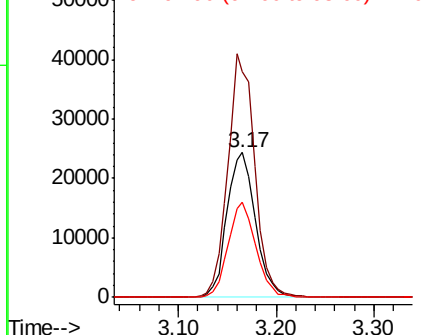


Abundance

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: 45.377 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Tgt Ion: 45 Resp: 182583

Ion Ratio Lower Upper

45 100

43 51.9 47.4 71.2

87 26.8 15.9 23.9#

59 10.5 7.7 11.5

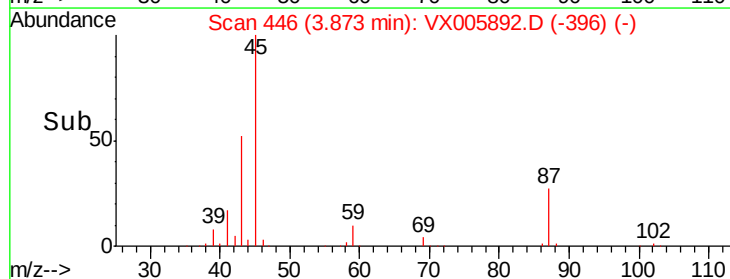
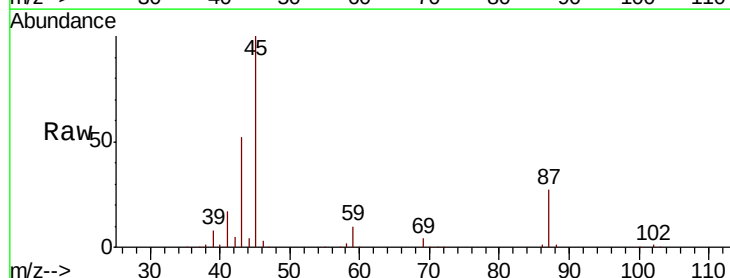
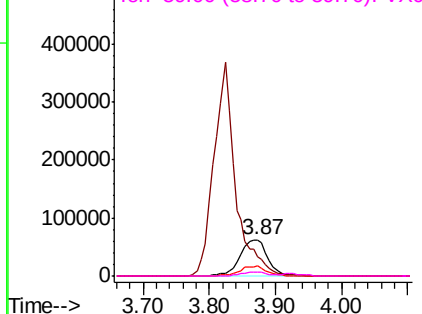
Abundance

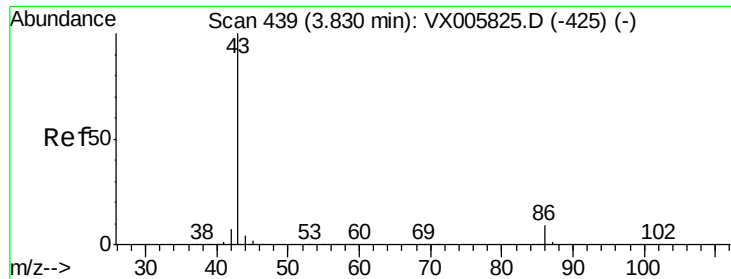
Ion 45.00 (44.70 to 45.70): VX0

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: 242.622 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.01 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 837041

Ion Ratio Lower Upper

43 100

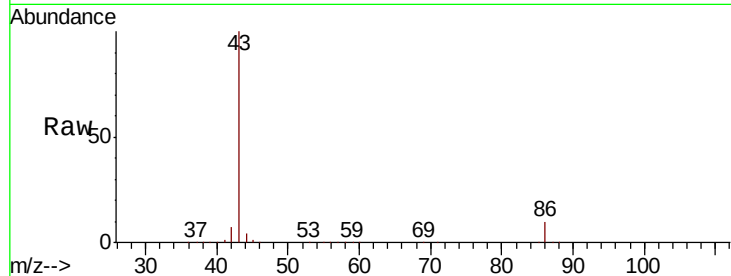
86 9.5 7.4 11.2

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

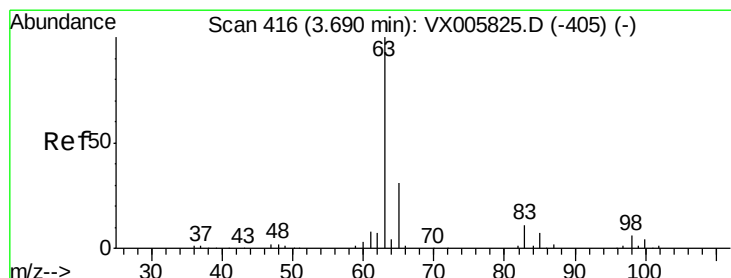
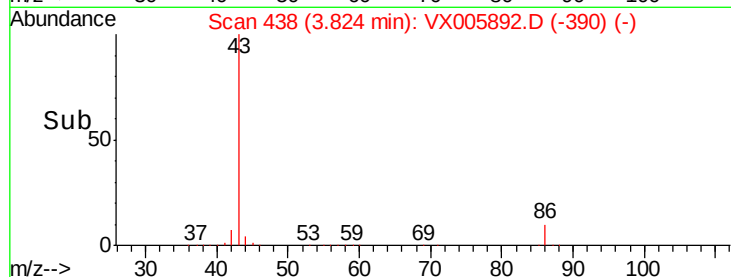
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.252 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

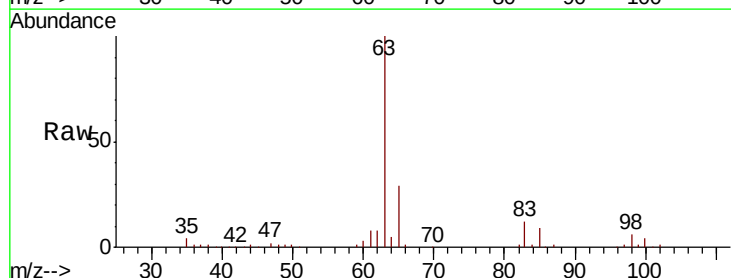
Tgt Ion: 63 Resp: 97144

Ion Ratio Lower Upper

63 100

98 5.8 3.2 9.6

100 4.4 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

3.69

50000

40000

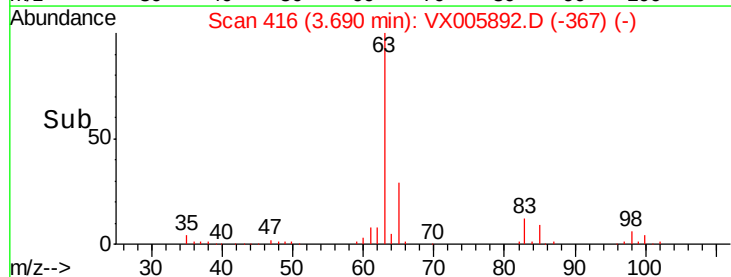
30000

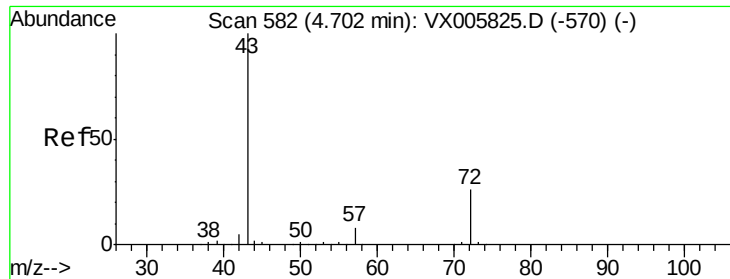
20000

10000

0

Time-->





#25

2-Butanone

Concen: 219.030 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 248008

Ion Ratio Lower Upper

43 100

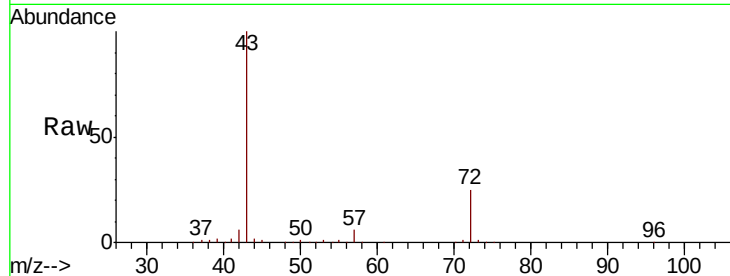
72 25.3 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

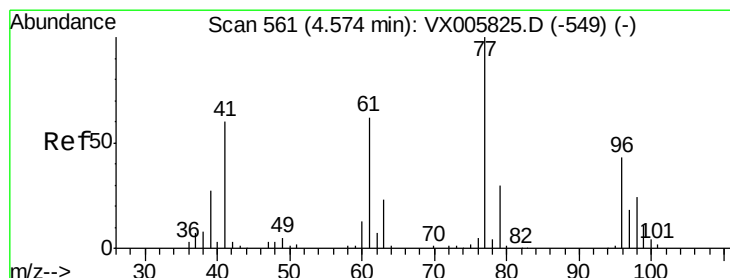
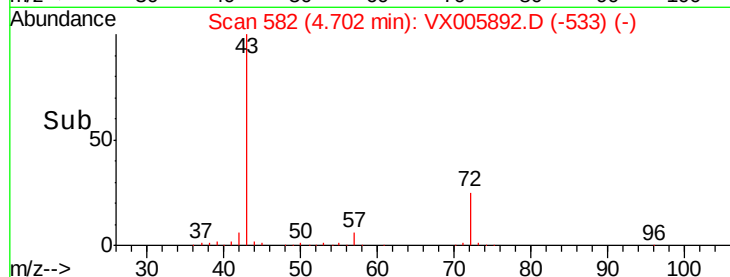
40000

20000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 49.303 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005892.D

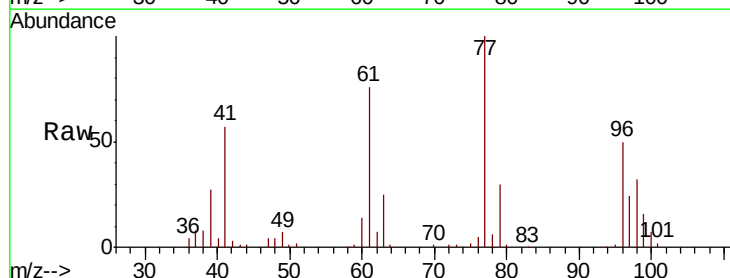
Acq: 12 Nov 2018 11:23

Tgt Ion: 77 Resp: 77639

Ion Ratio Lower Upper

77 100

97 23.5 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

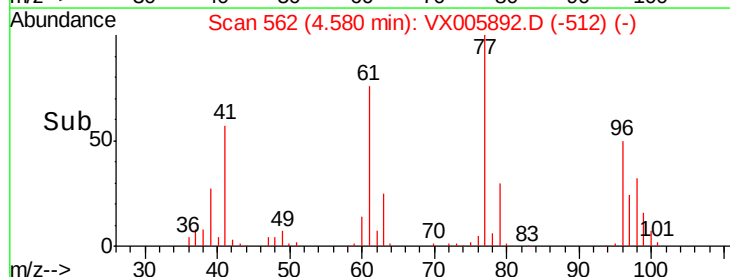
10000

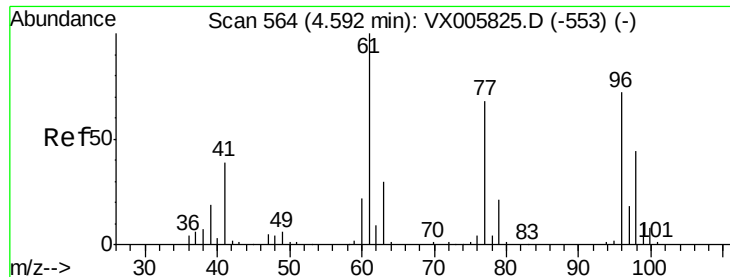
5000

0

4.50 4.60 4.70

Time-->





#27

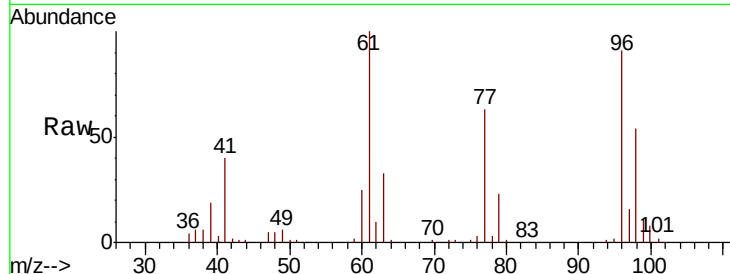
cis-1,2-Dichloroethene
Concen: 45.053 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	304.6
98	66.1	0.0	127.4

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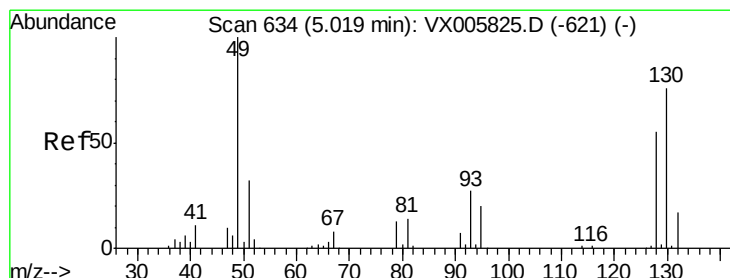
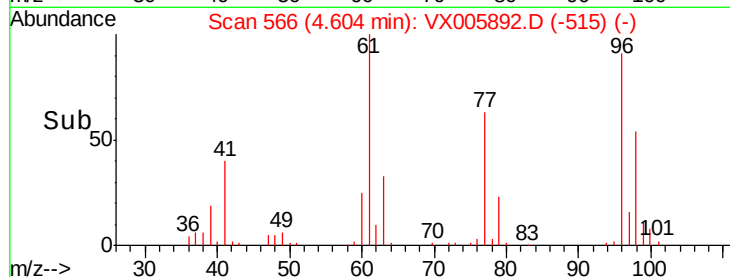
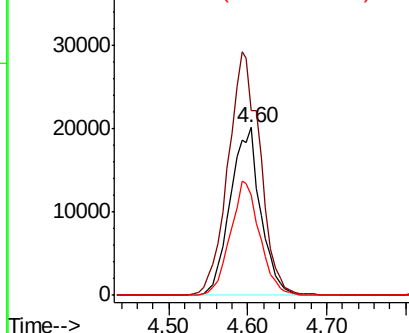


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

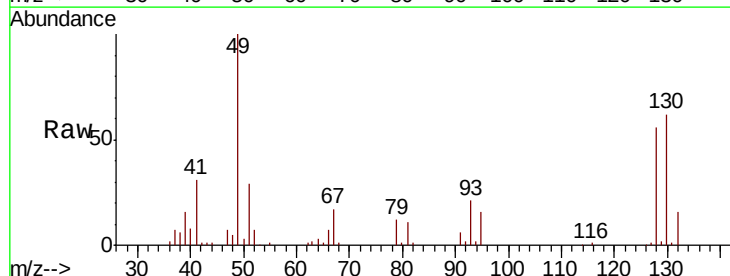
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 52.579 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	70.9	58.9	88.3

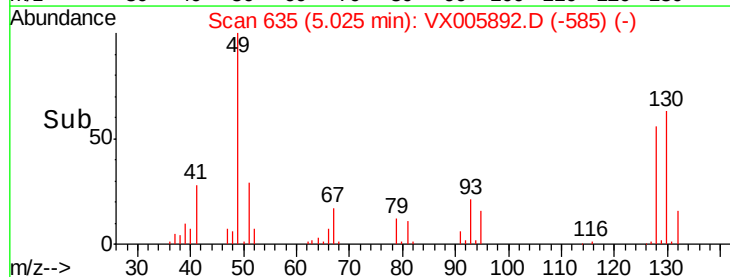
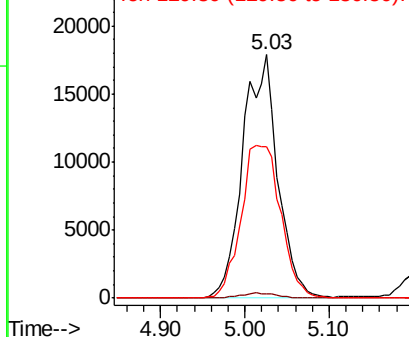


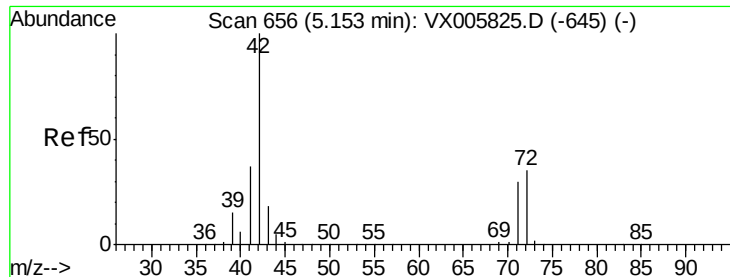
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





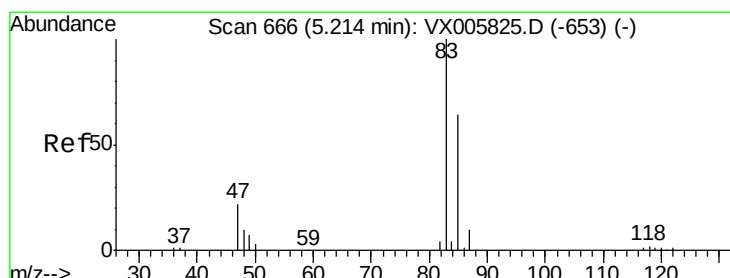
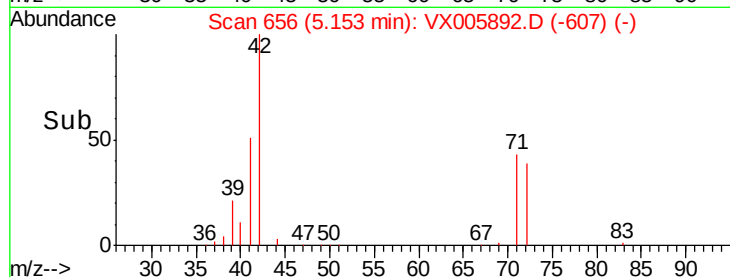
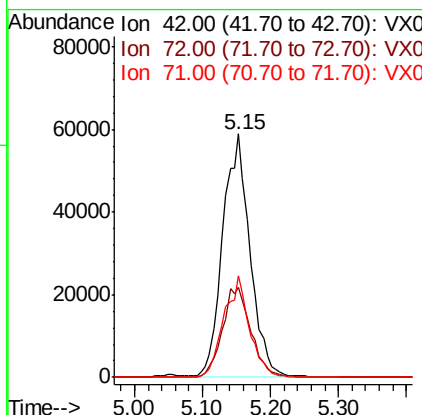
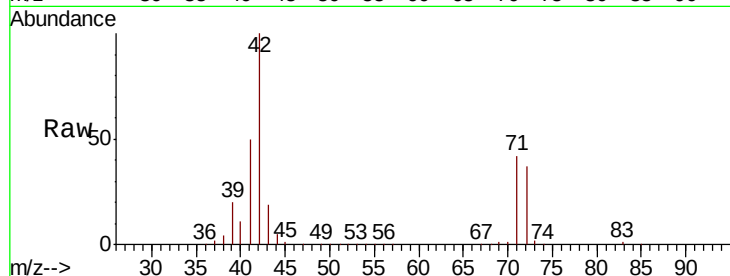
#29
Tetrahydrofuran
Concen: 224.007 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	32.0	48.0
71	39.2	29.8	44.8

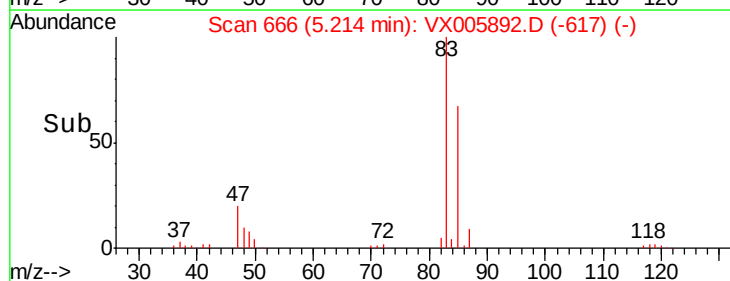
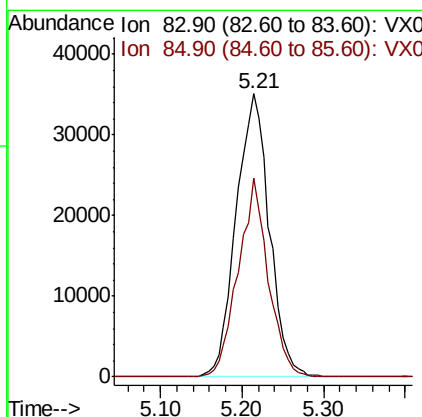
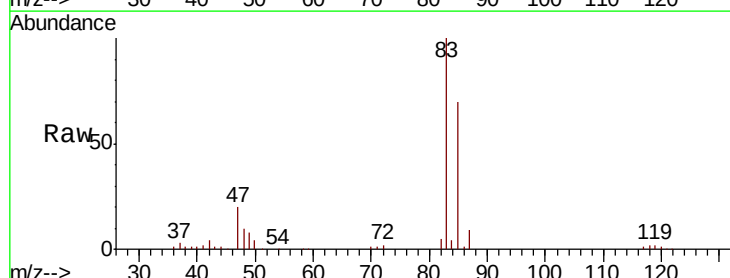
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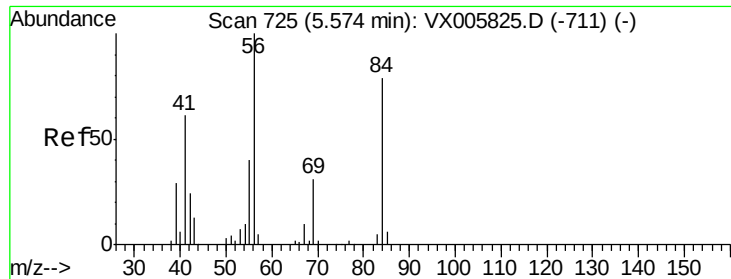
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#30
Chloroform
Concen: 47.804 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.2	50.6	76.0





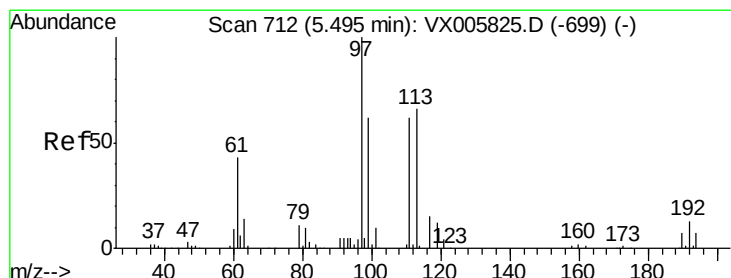
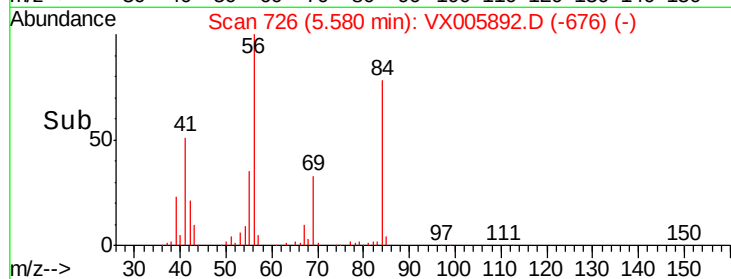
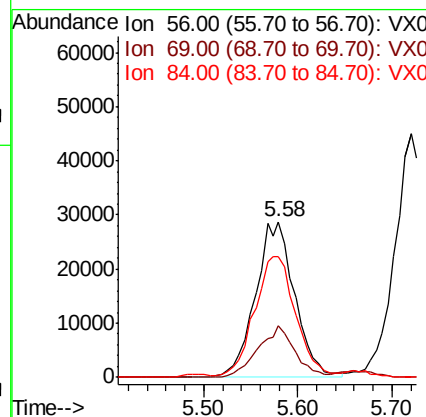
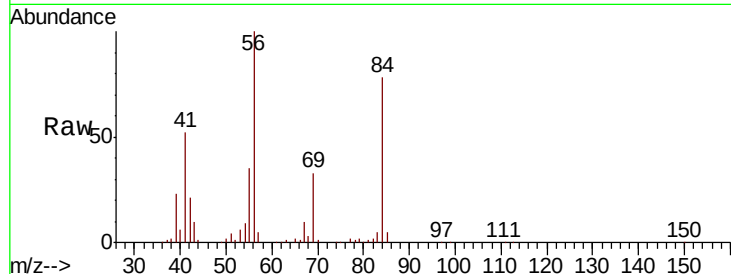
#31
Cyclohexane
Concen: 44.852 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	22.6	34.0
84	76.4	62.7	94.1

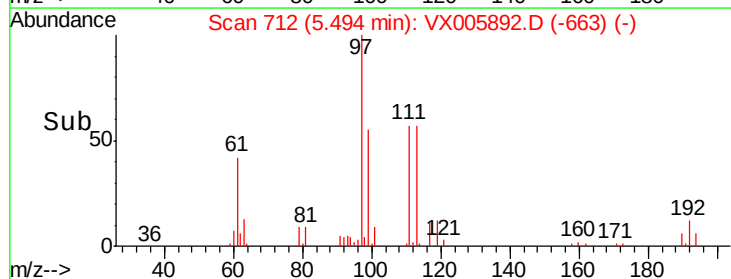
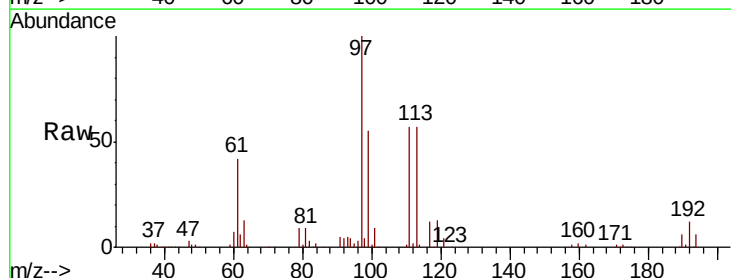
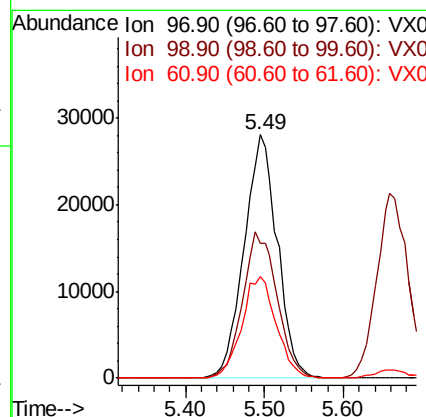
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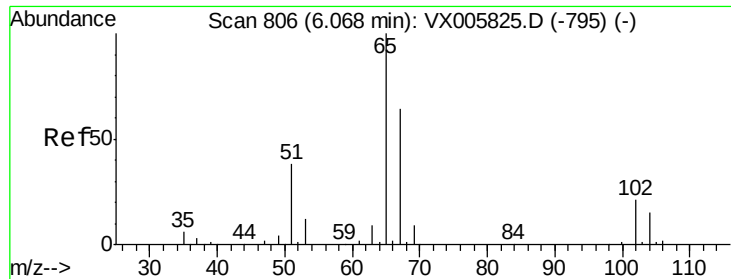
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#32
1,1,1-Trichloroethane
Concen: 47.492 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	52.3	78.5
61	43.6	35.2	52.8





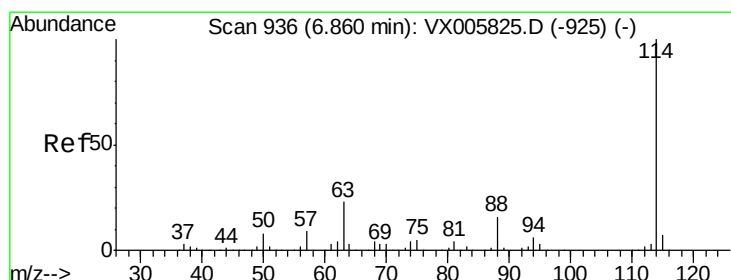
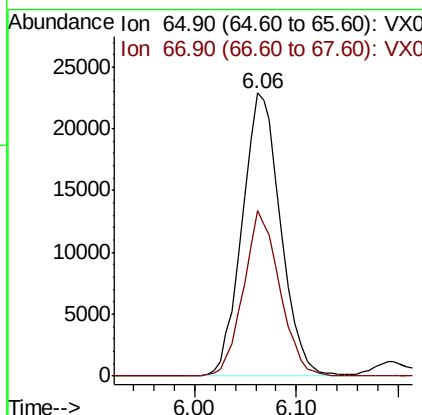
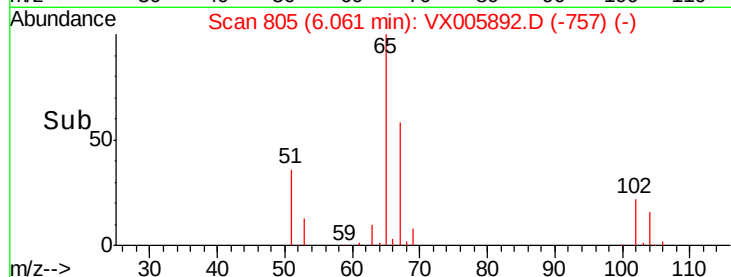
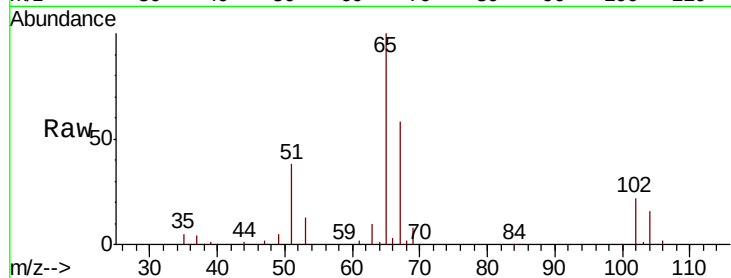
#33
 1,2-Dichloroethane-d4
 Concen: 44.857 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	105.0

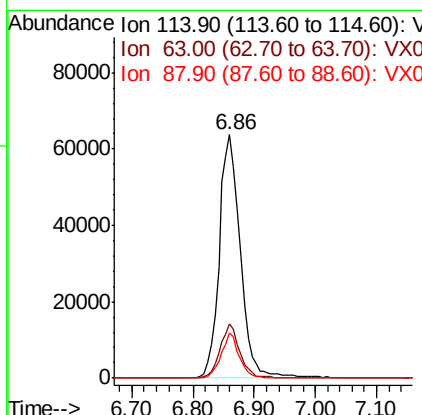
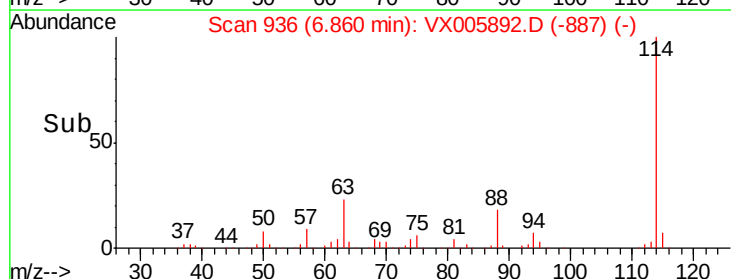
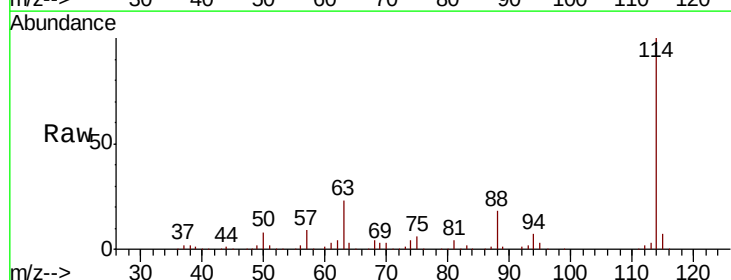
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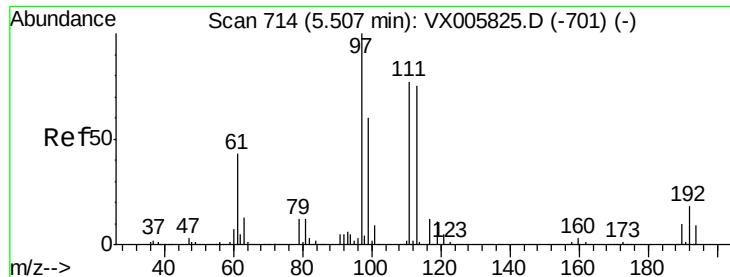
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	42.8
88	18.4	0.0	31.2





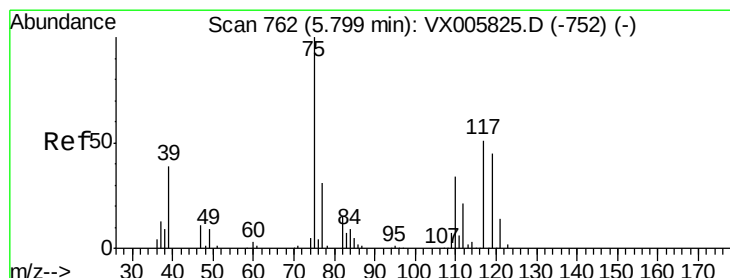
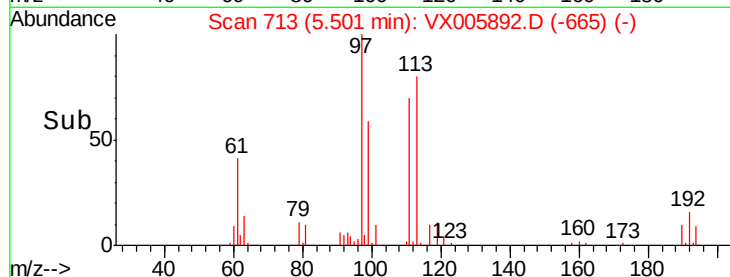
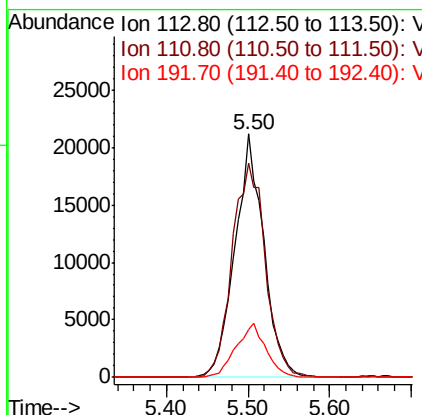
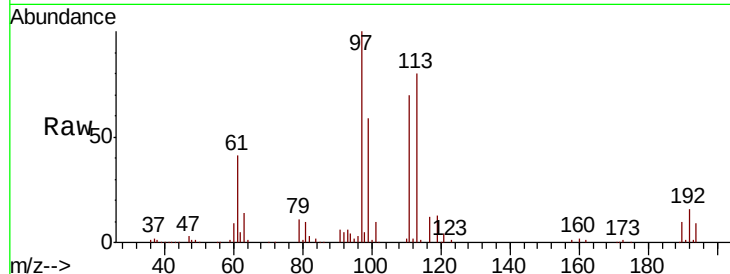
#35
 Dibromofluoromethane
 Concen: 49.763 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.01 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	51827		
111	100.6	82.3	123.5	
192	22.9	17.9	26.9	

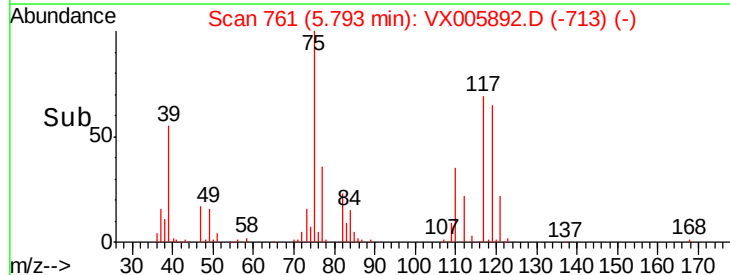
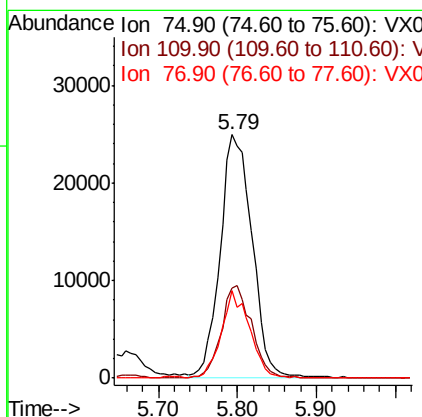
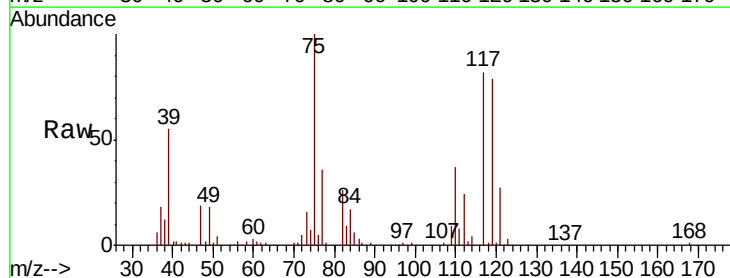
Manual Integrations
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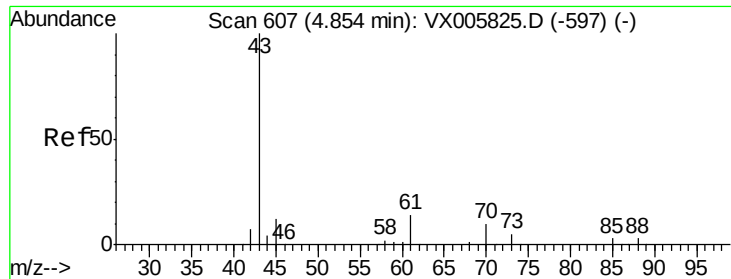
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 11/13/2018 11:46:51 AM



#36
 1,1-Dichloropropene
 Concen: 47.038 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69435		
110	36.4	17.4	52.2	
77	32.2	25.8	38.6	





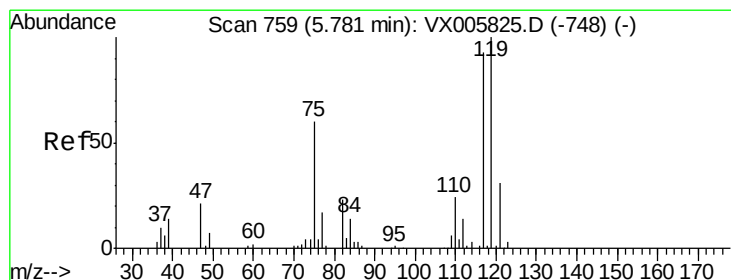
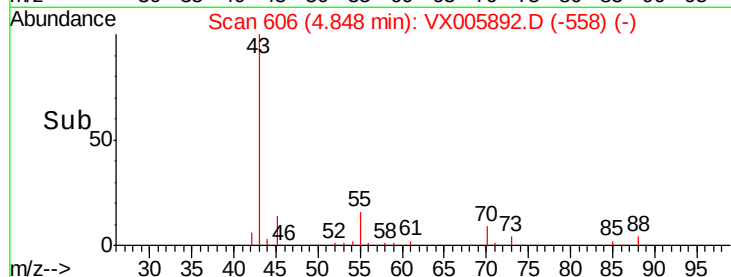
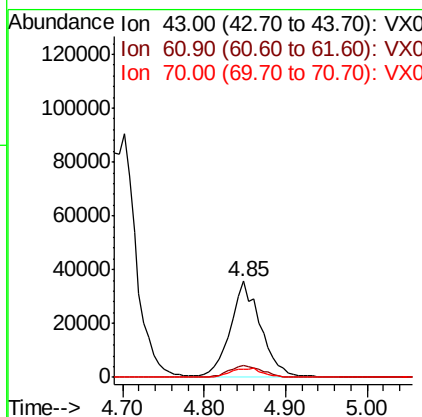
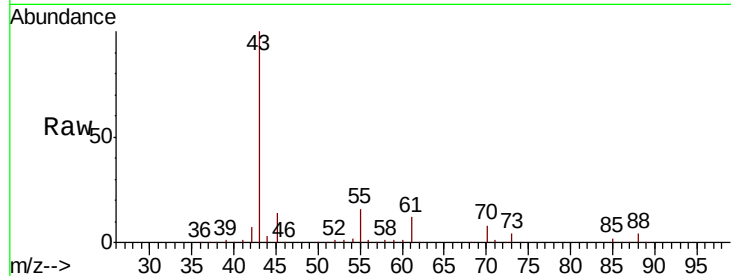
#37
Ethyl Acetate
Concen: 47.138 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.8	16.2
70	10.2	7.8	11.8

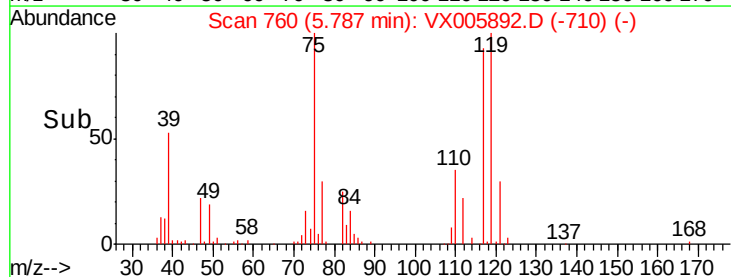
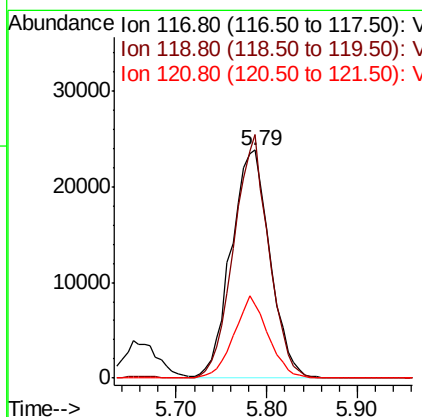
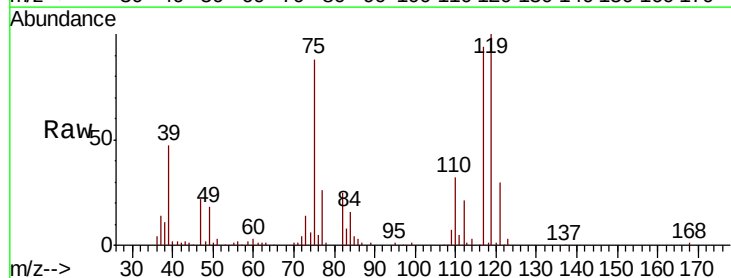
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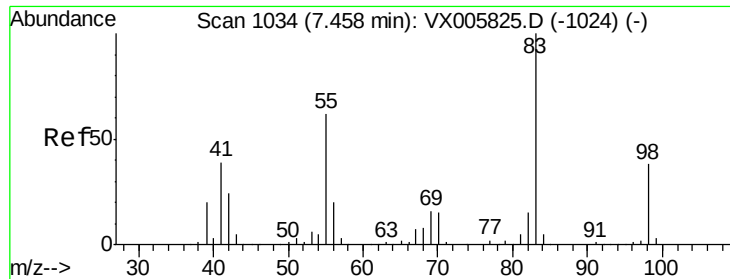
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#38
Carbon Tetrachloride
Concen: 47.969 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	106.9	78.1	117.1
121	32.1	24.6	36.8





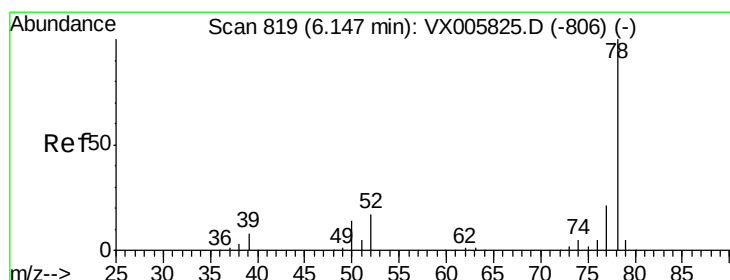
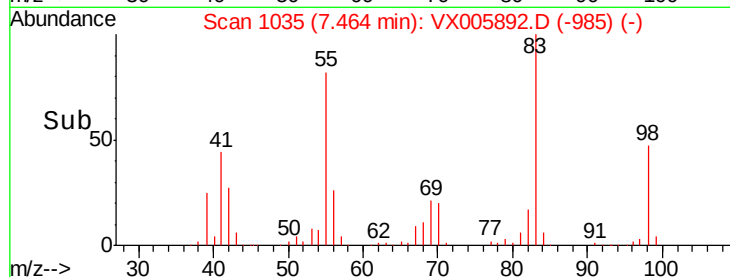
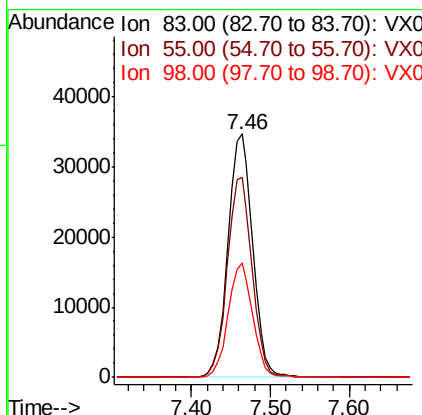
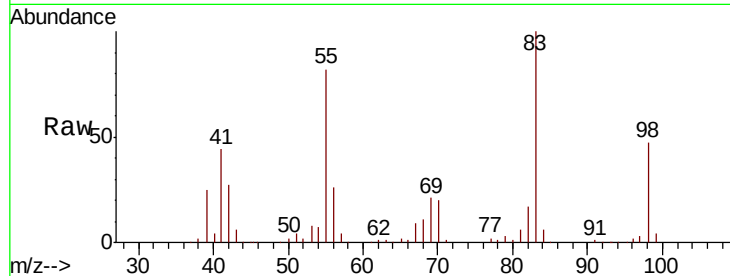
#39
Methylvlcyclohexane
Concen: 50.485 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.2	63.7	95.5
98	47.0	36.2	54.2

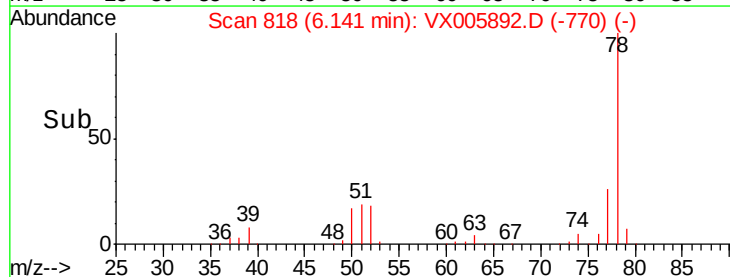
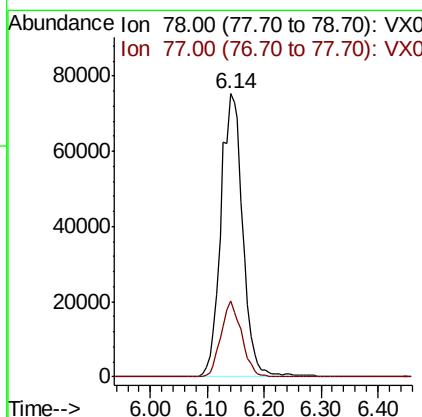
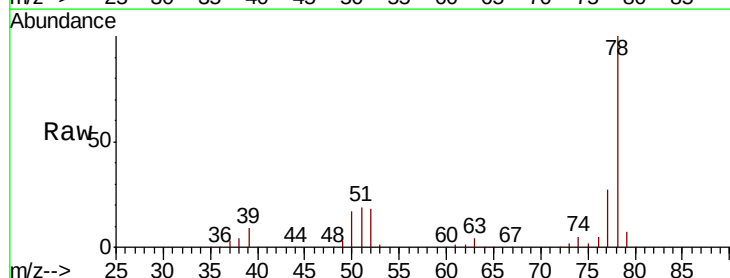
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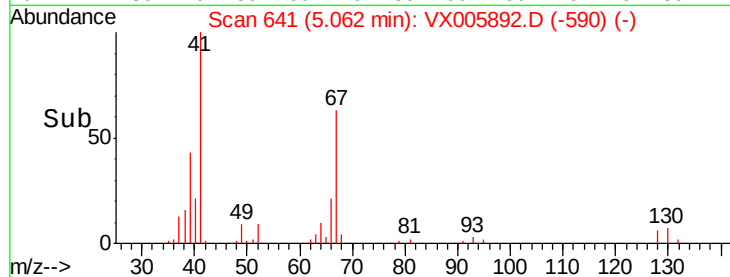
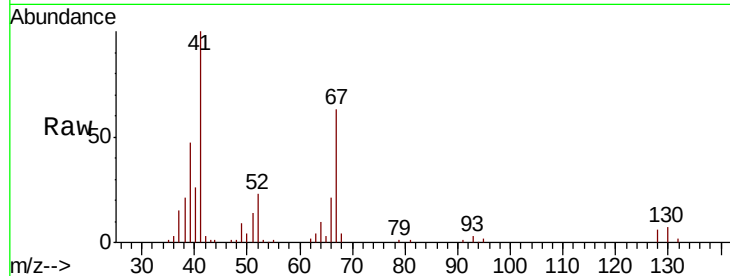
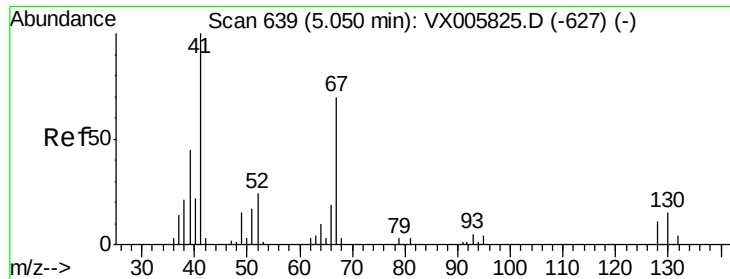
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#40
Benzene
Concen: 46.961 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

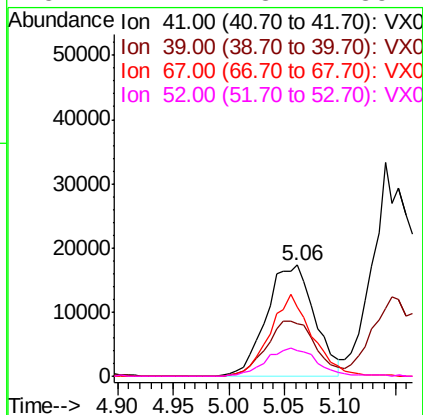
Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.8	18.4	27.6





#41
Methacrylonitrile
Concen: 49.677 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

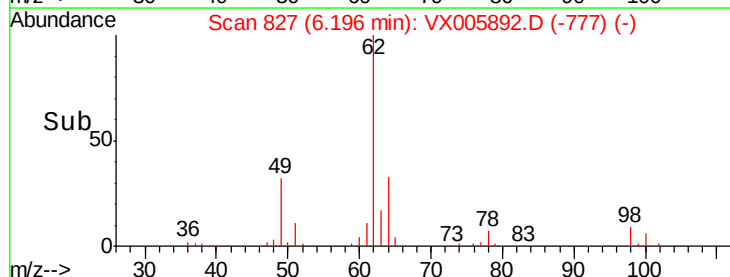
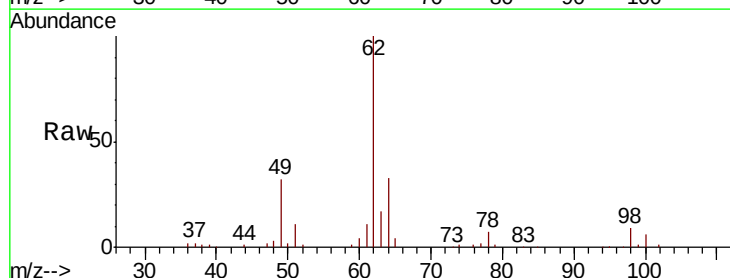
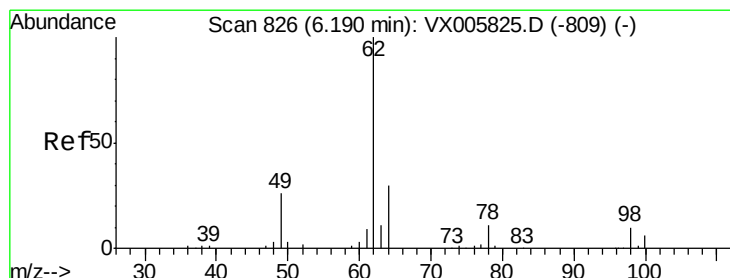
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	42.2	63.2	
67	64.8	53.4	80.0	
52	27.2	23.4	35.2	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

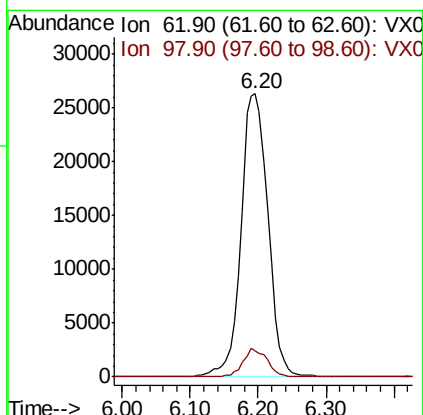
Manual Integrations
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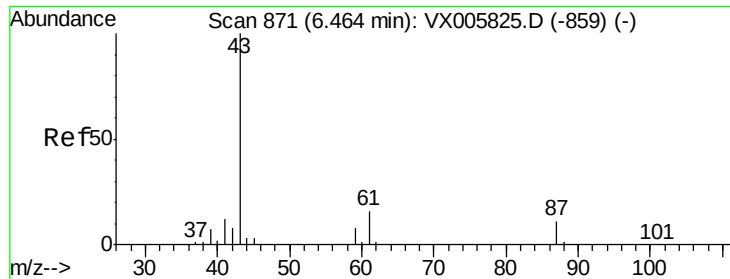
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.826 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.8	





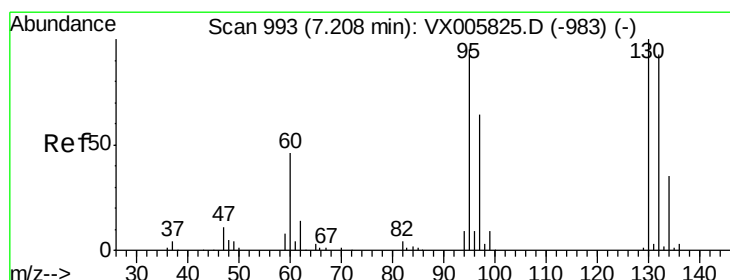
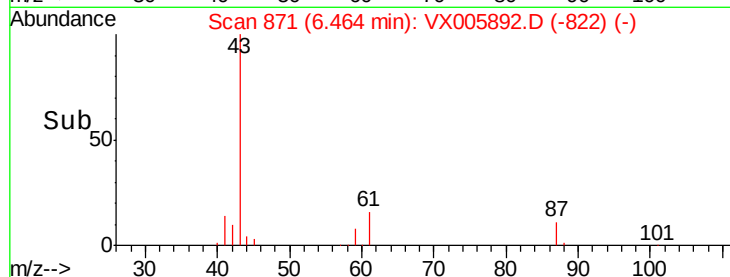
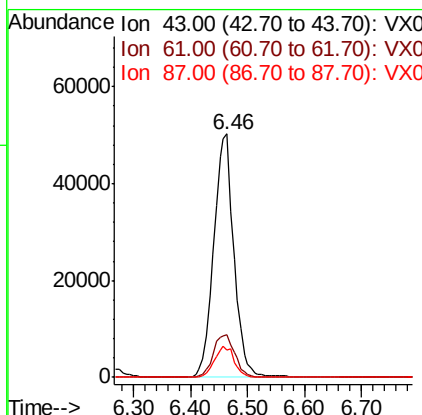
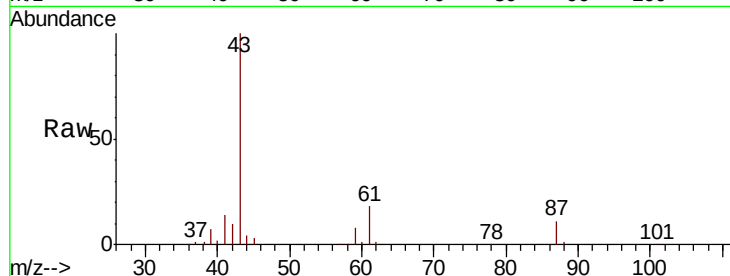
#43
Isopropyl Acetate
Concen: 44.015 ug/l
RT: 6.46 min Scan# 871
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.6	22.0
87	12.5	9.6	14.4

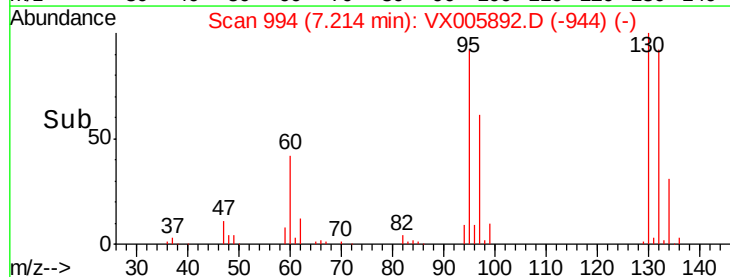
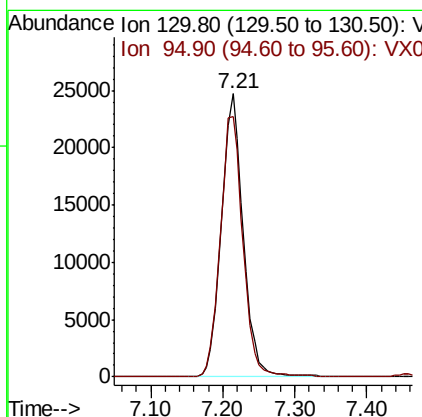
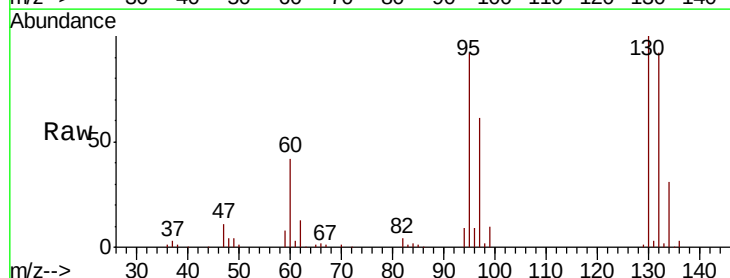
Manual Integrations
APPROVED

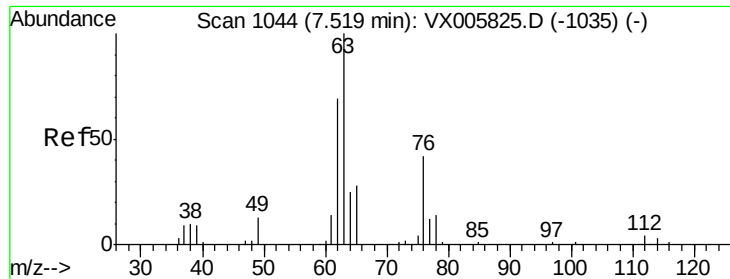
MMDadoda
11/13/2018 11:46:51 AM



#44
Trichloroethene
Concen: 47.615 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	194.2





#45

1,2-Dichloropropane

Concen: 50.368 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 52609

Ion Ratio Lower Upper

63 100

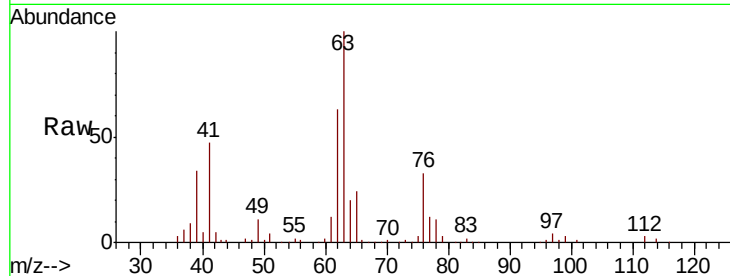
65 23.7 24.8 37.2#

Manual Integrations

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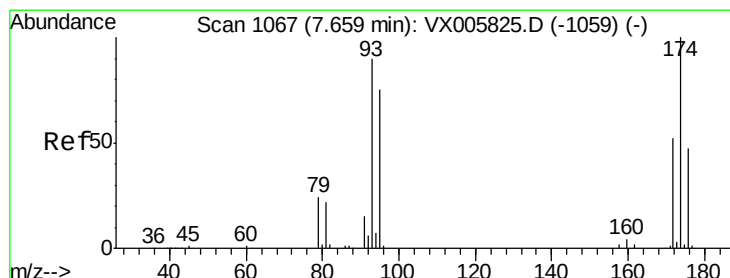
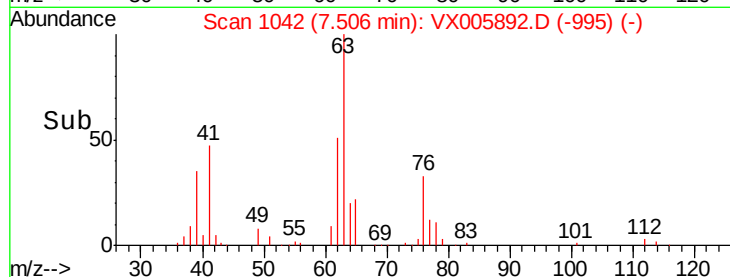
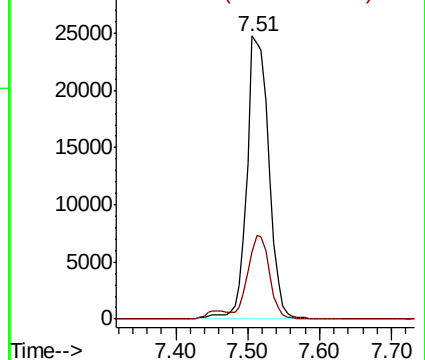
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 49.790 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

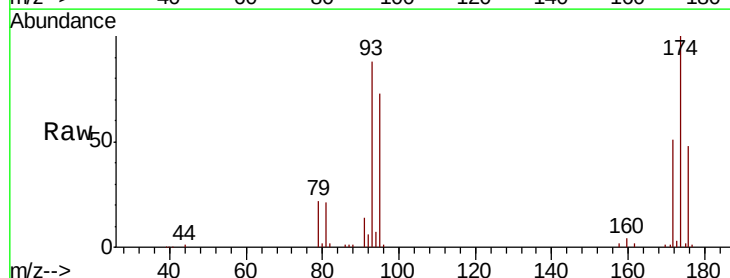
Tgt Ion: 93 Resp: 32634

Ion Ratio Lower Upper

93 100

95 83.5 67.4 101.0

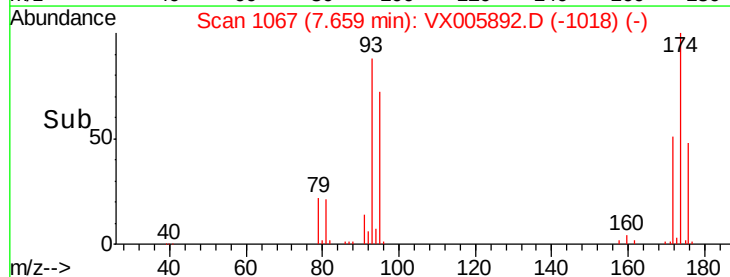
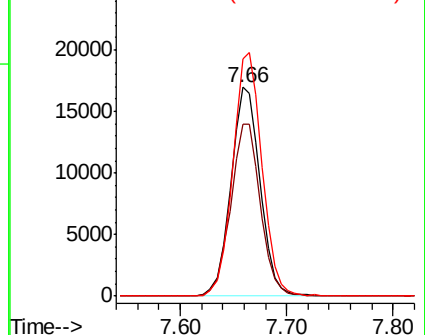
174 116.2 91.5 137.3

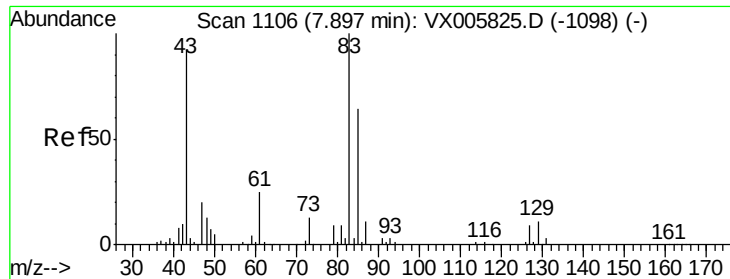


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.103 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

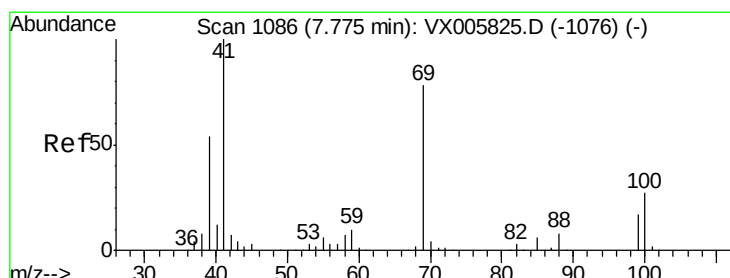
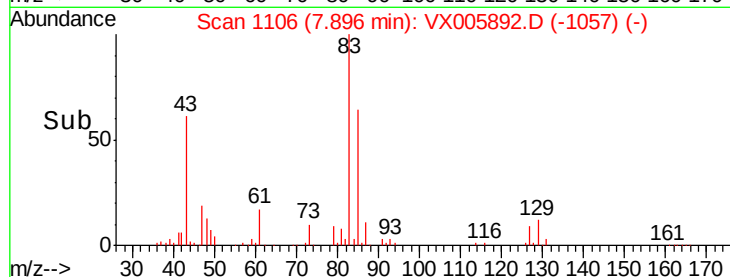
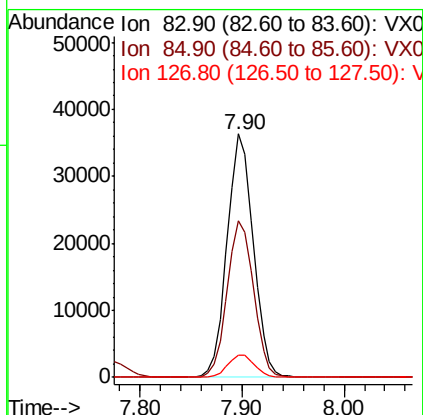
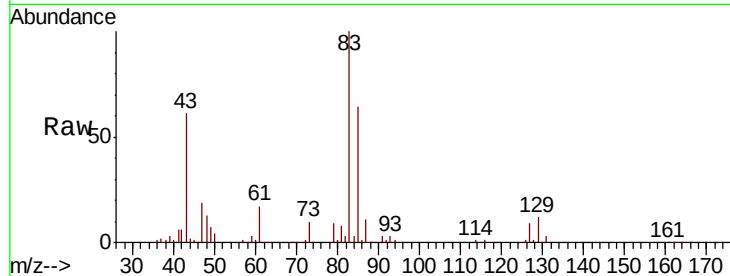
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	64539
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.2	75.4
127	9.2	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.365 ug/l

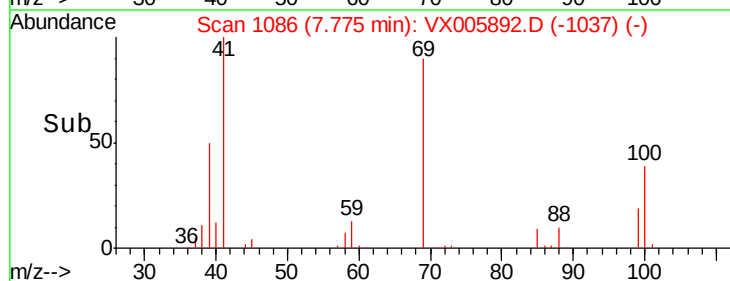
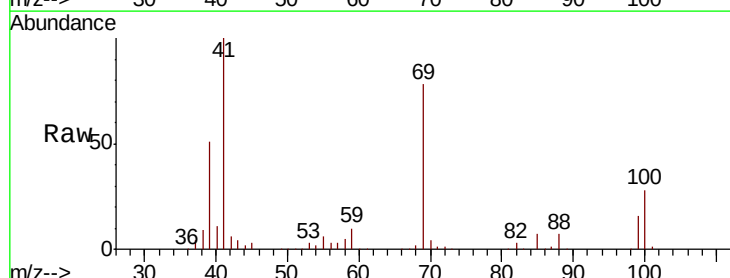
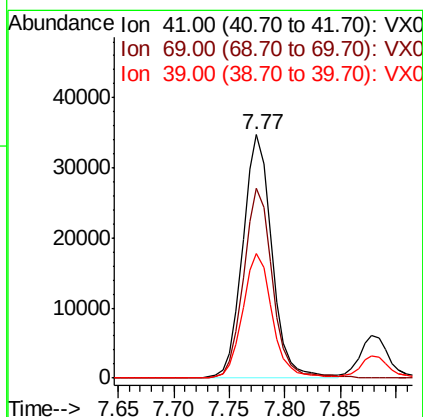
RT: 7.77 min Scan# 1086

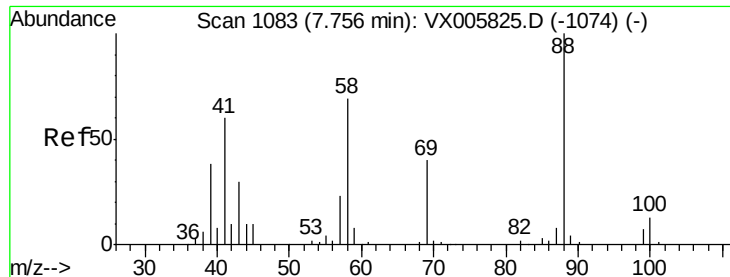
Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Tgt Ion:	41	Resp:	63611
Ion	Ratio	Lower	Upper
41	100		
69	77.3	63.2	94.8
39	51.6	42.2	63.2





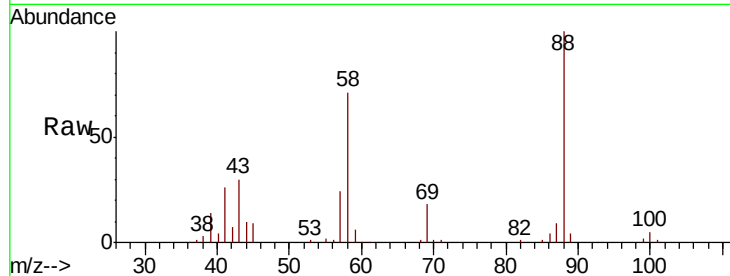
#49
1,4-Dioxane
Concen: 955.253 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	27.4	41.0
58	71.5	59.4	89.2

Manual Integrations
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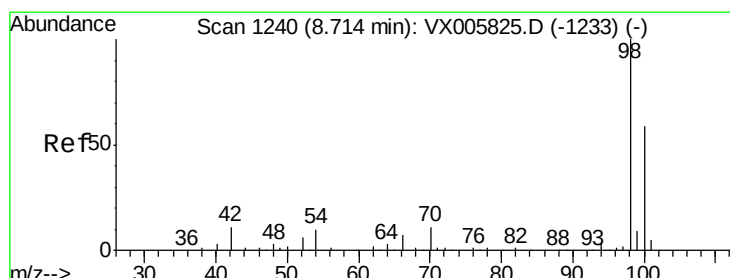
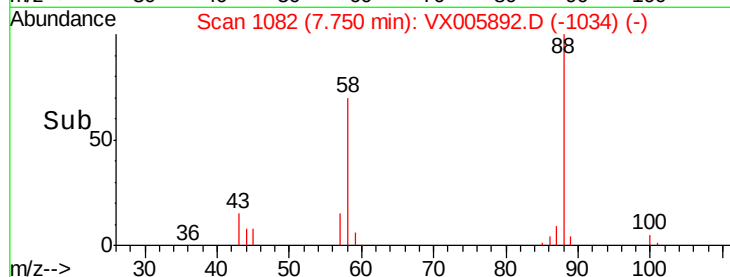
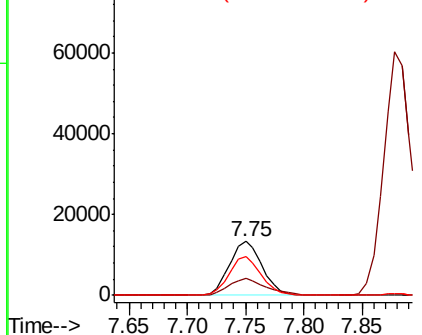


Abundance

Ion 88.00 (87.70 to 88.70): VX0

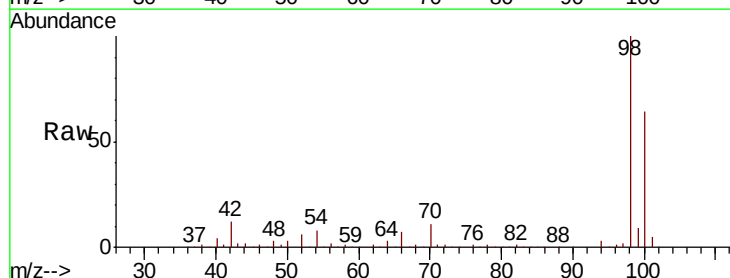
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 50.742 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

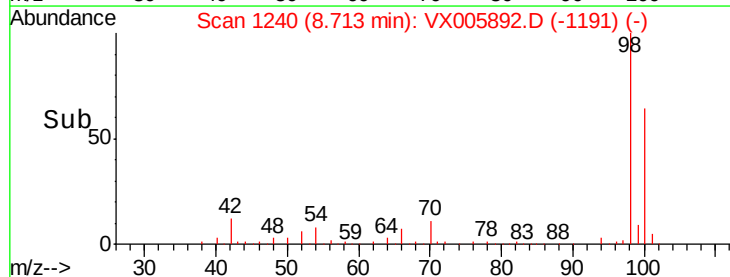
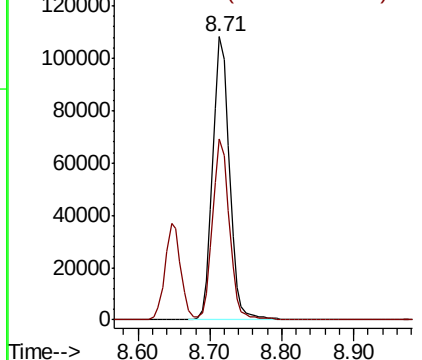
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.3	76.9

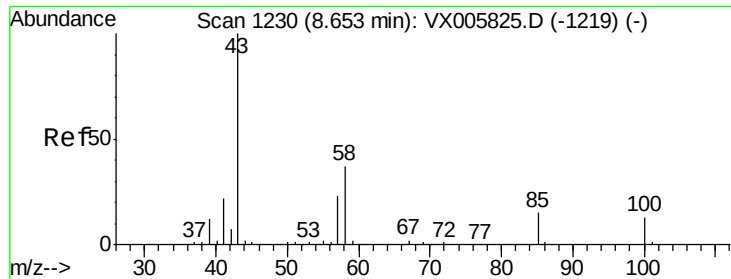


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 238.656 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 423074

Ion Ratio Lower Upper

43 100

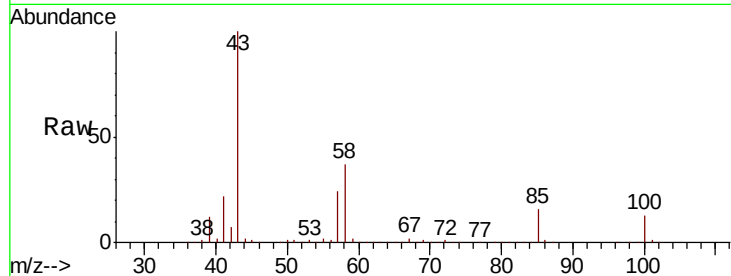
58 37.1 29.7 44.5

Manual Integrations

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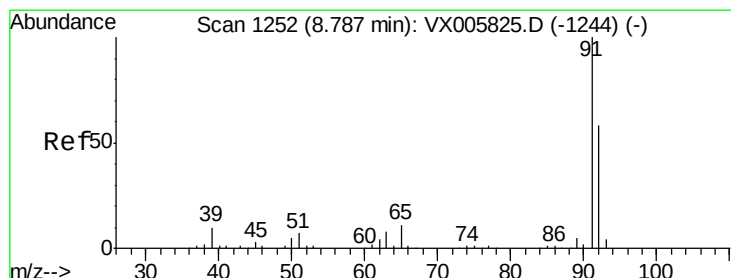
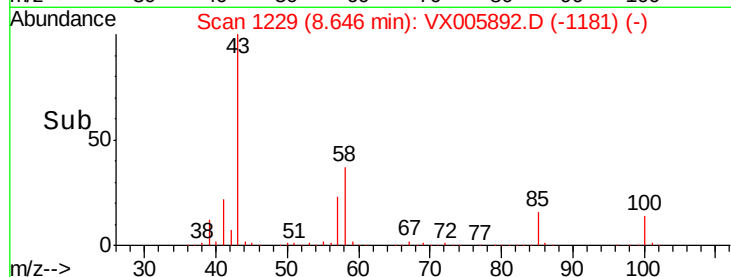
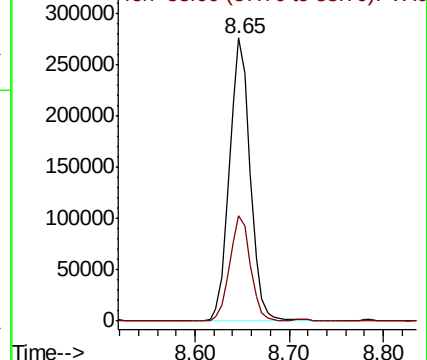
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.342 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005892.D

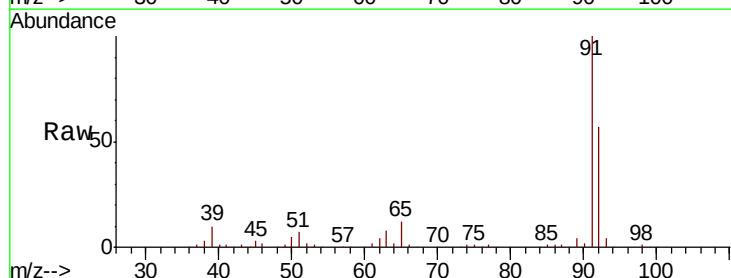
Acq: 12 Nov 2018 11:23

Tgt Ion: 92 Resp: 118671

Ion Ratio Lower Upper

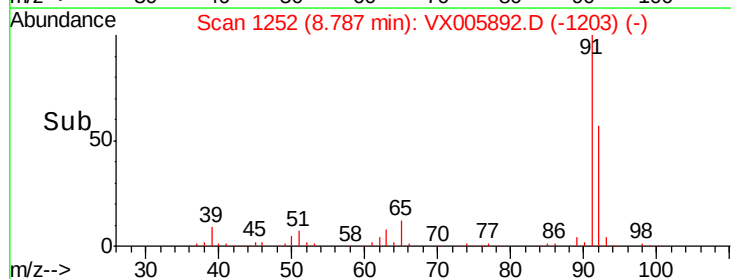
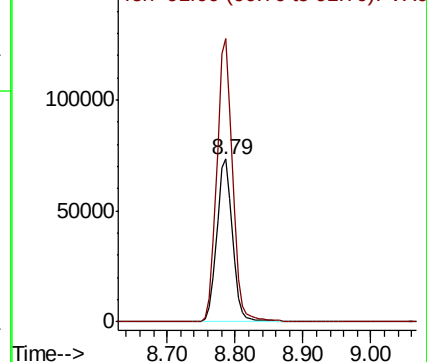
92 100

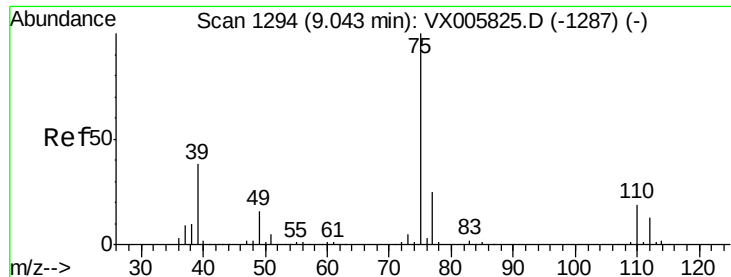
91 174.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





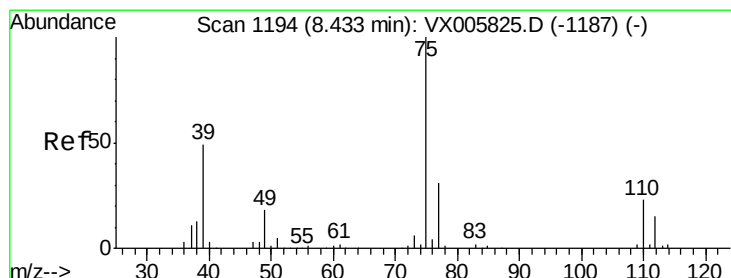
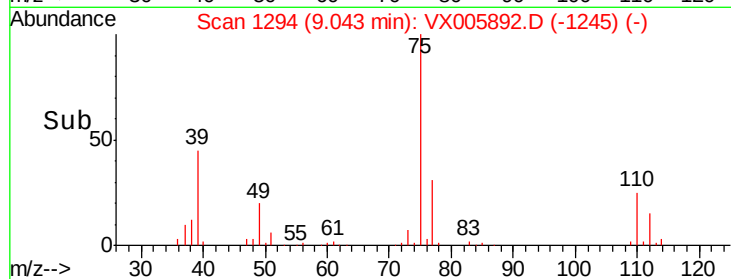
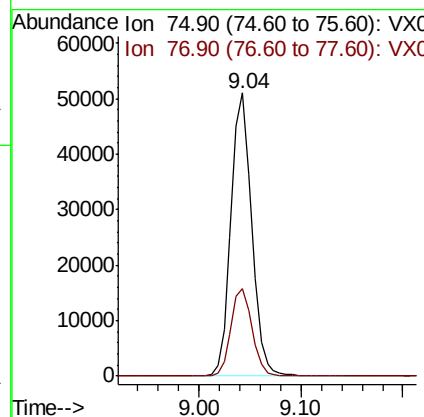
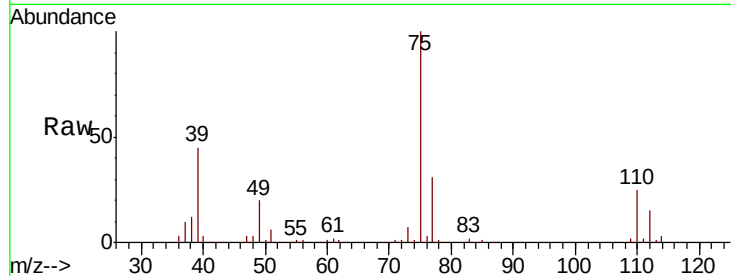
#53
 t-1,3-Dichloropropene
 Concen: 49.170 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2

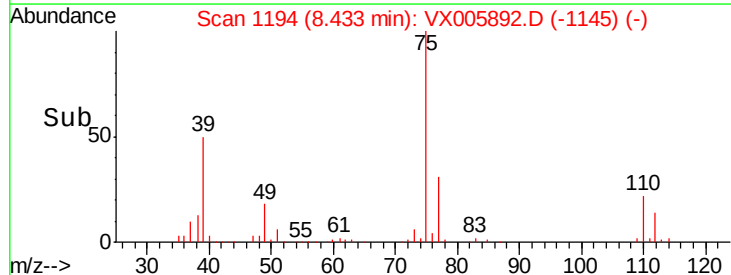
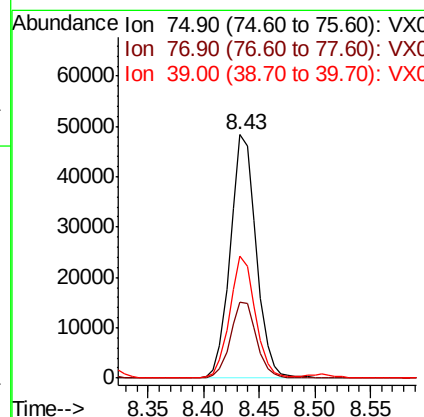
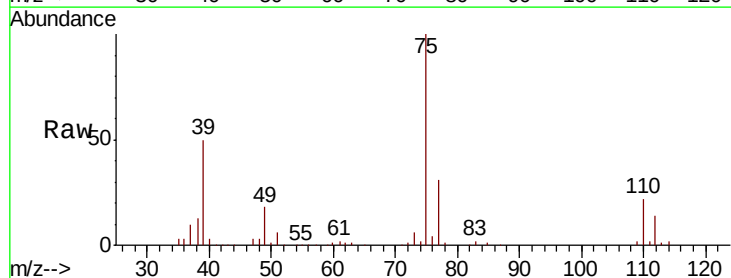
Manual Integrations
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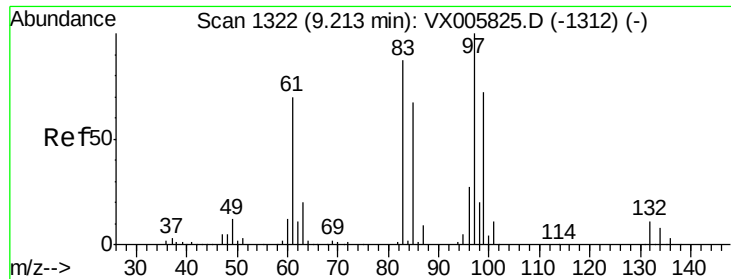
MMDadoda
 11/13/2018 11:46:51 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.347 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8
39	49.8	38.2	57.2





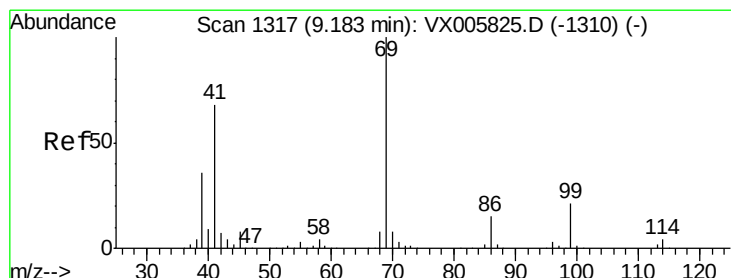
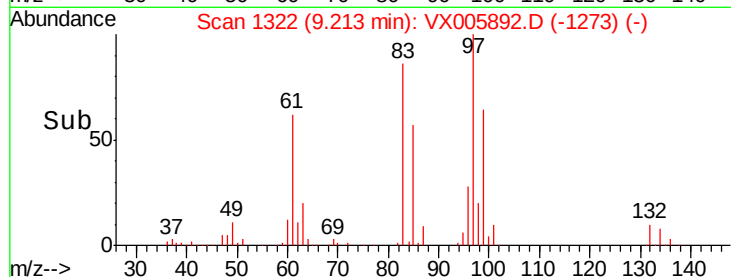
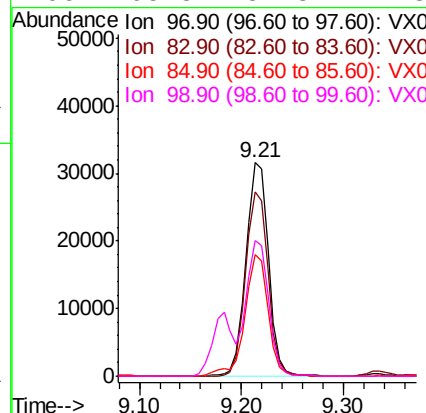
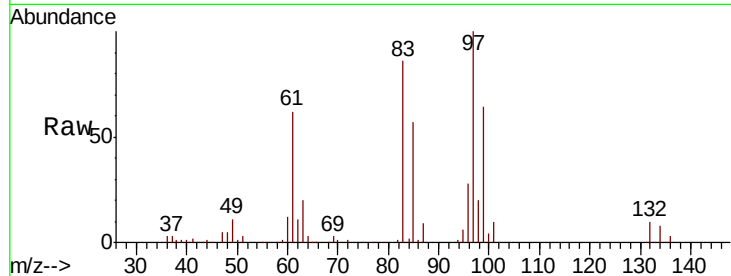
#55
 1,1,2-Trichloroethane
 Concen: 45.214 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.7	106.1
85	57.2	45.8	68.6
99	63.8	51.8	77.8

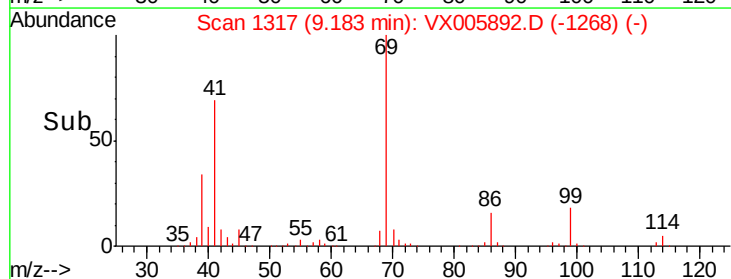
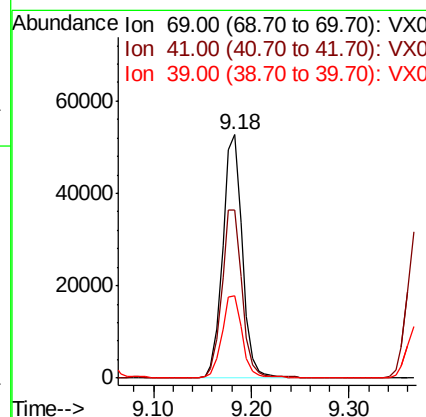
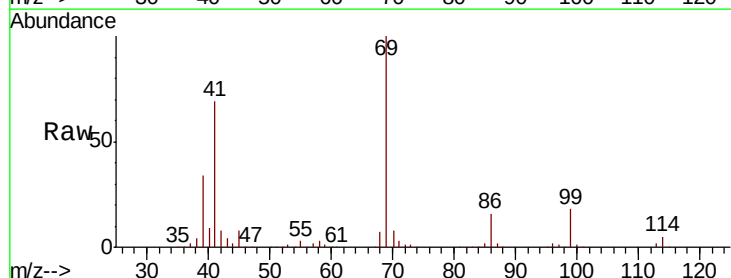
Manual Integrations
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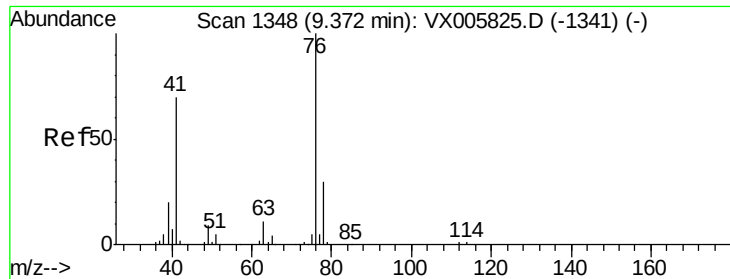
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 11/13/2018 11:46:51 AM



#56
 Ethyl methacrylate
 Concen: 45.801 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.0	85.6
39	34.9	28.3	42.5





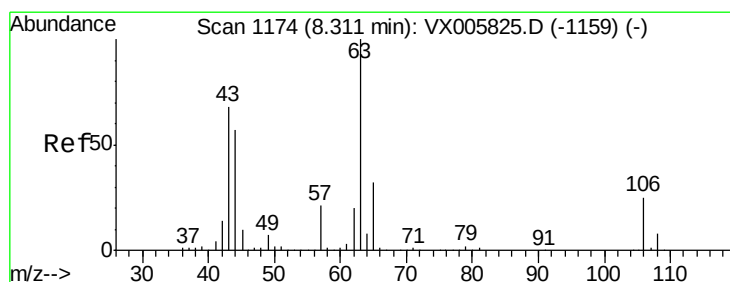
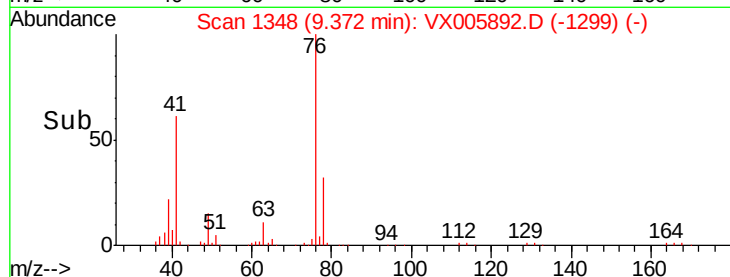
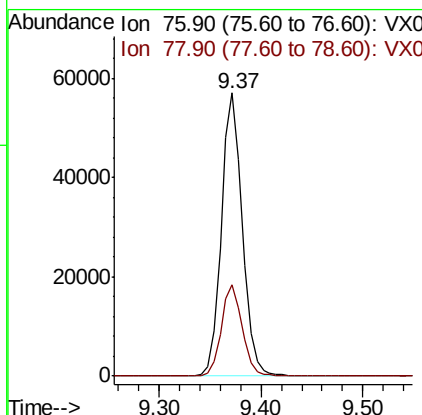
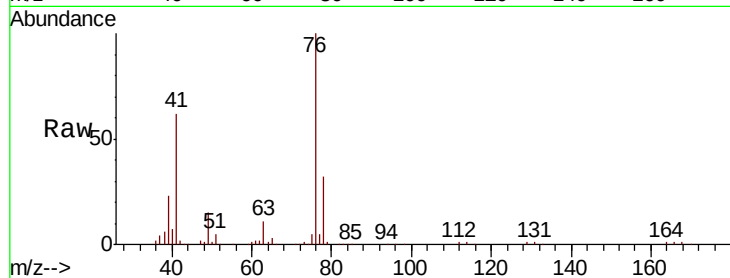
#57
 1,3-Dichloropropane
 Concen: 45.201 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 81420
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.3 37.9

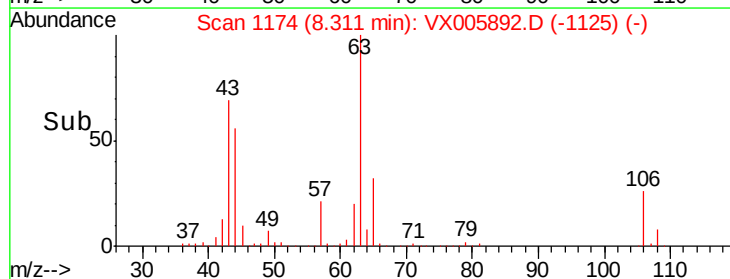
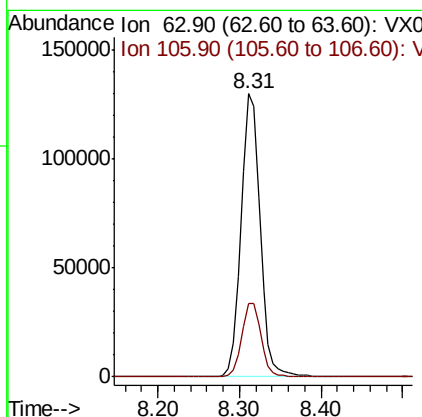
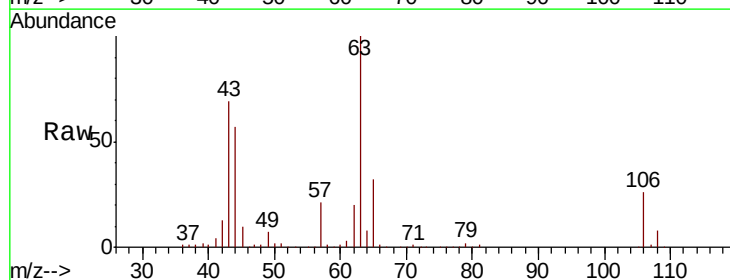
Manual Integrations
 APPROVED

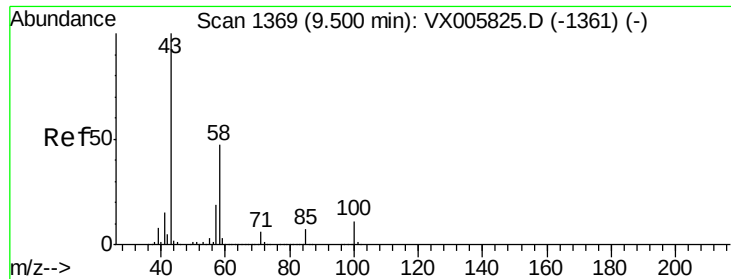
MMDadoda
 11/13/2018 11:46:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.770 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion: 63 Resp: 209235
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.3 31.9





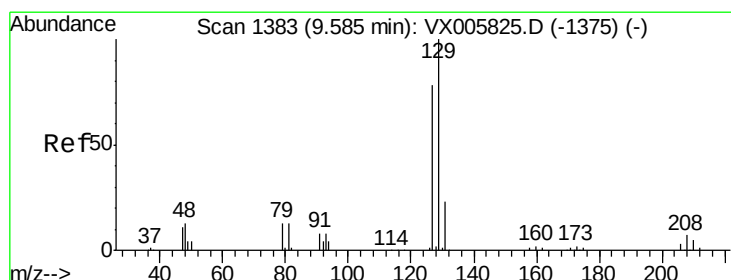
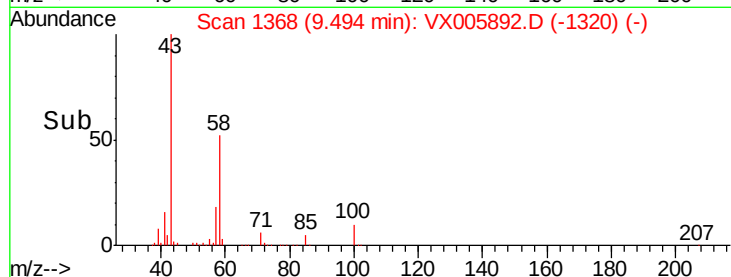
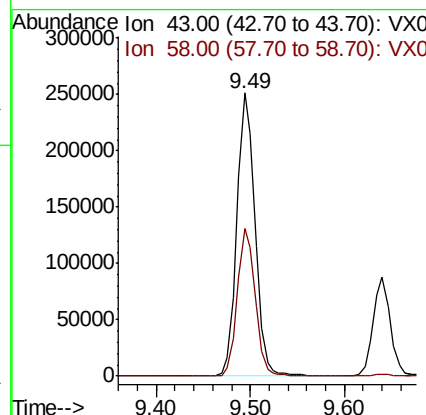
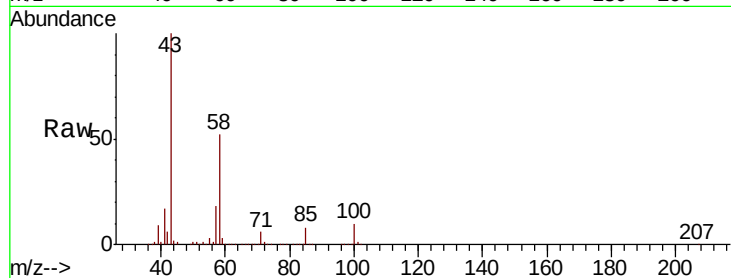
#59
2-Hexanone
Concen: 216.001 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.8

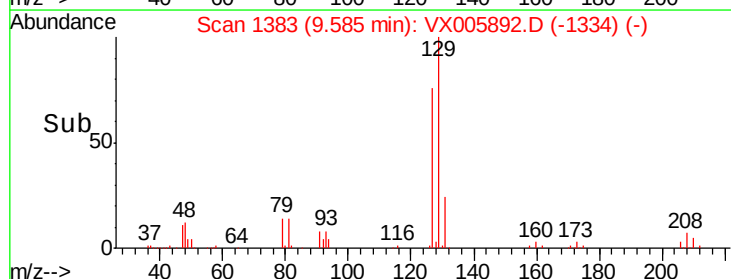
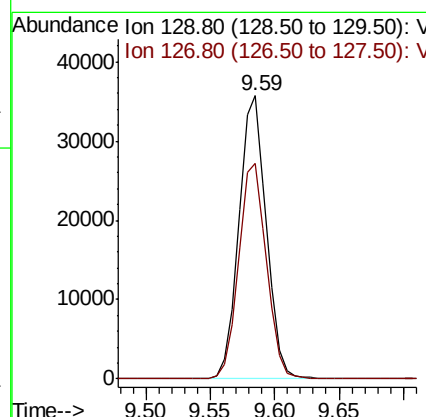
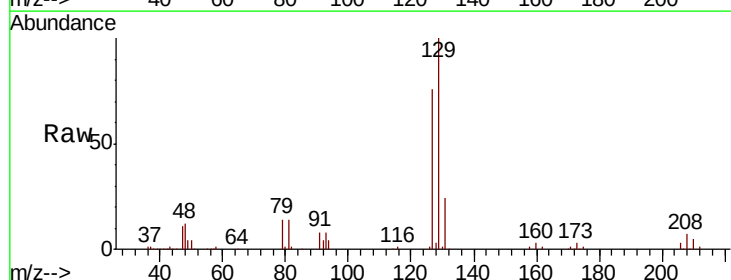
Manual Integrations
APPROVED

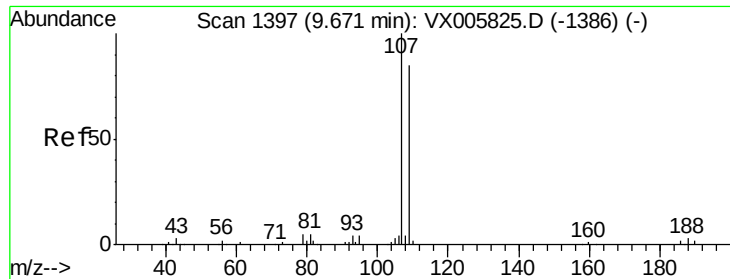
MMDadoda
11/13/2018 11:46:51 AM



#60
Dibromochloromethane
Concen: 45.448 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.9	116.7





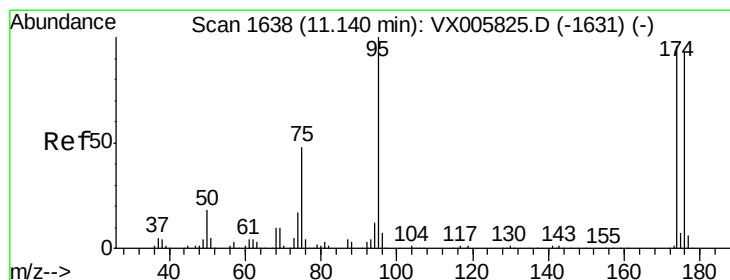
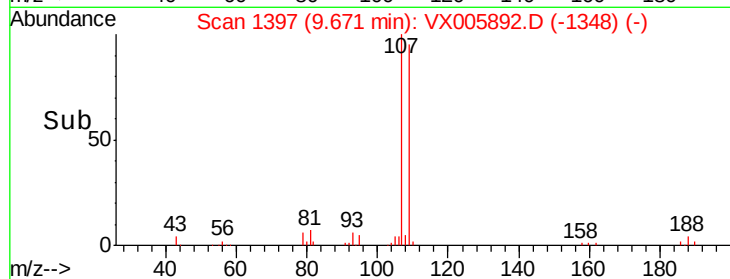
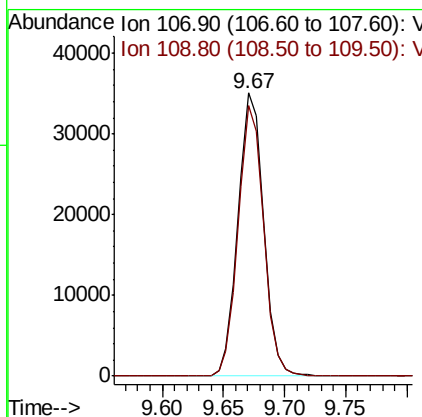
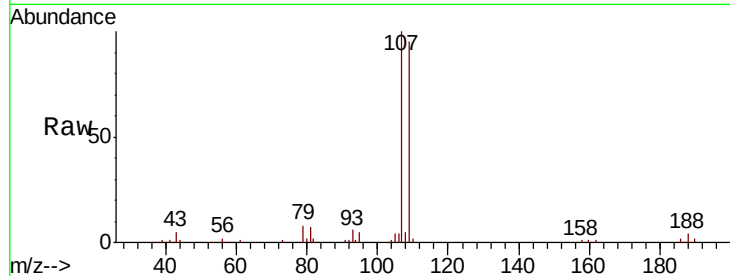
#61
 1,2-Dibromoethane
 Concen: 42.830 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.7	113.5

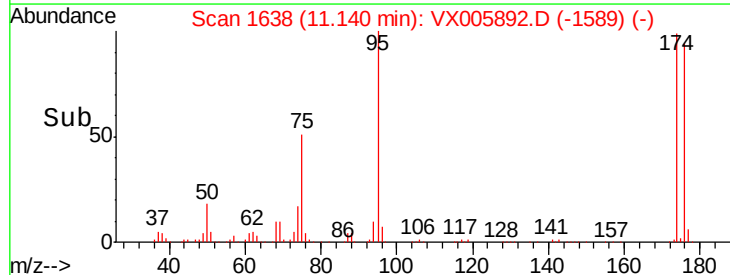
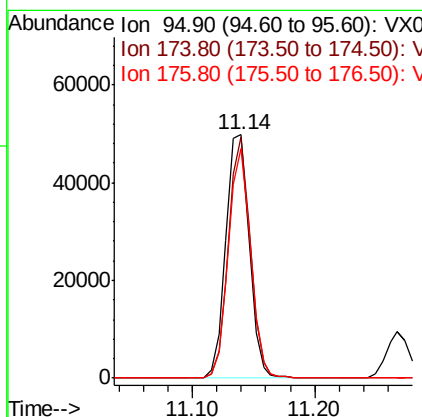
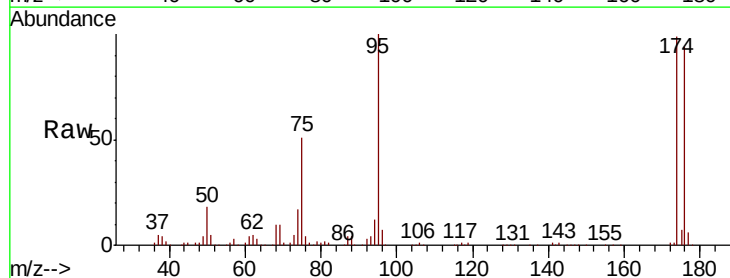
Manual Integrations
 APPROVED

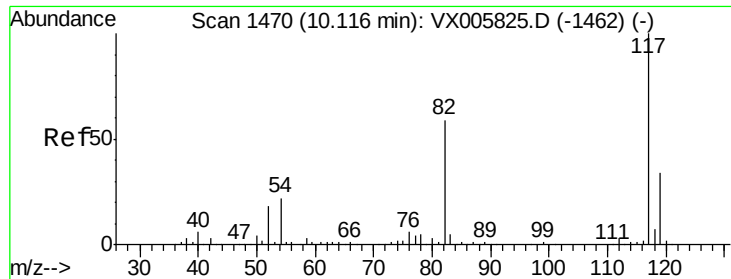
MMDadoda
 11/13/2018 11:46:51 AM



#62
 4-Bromofluorobenzene
 Concen: 53.197 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	184.4
176	89.3	0.0	177.4





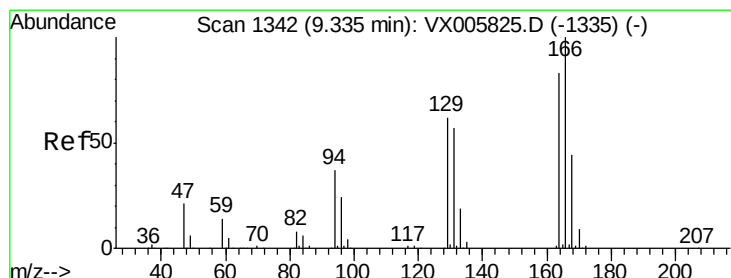
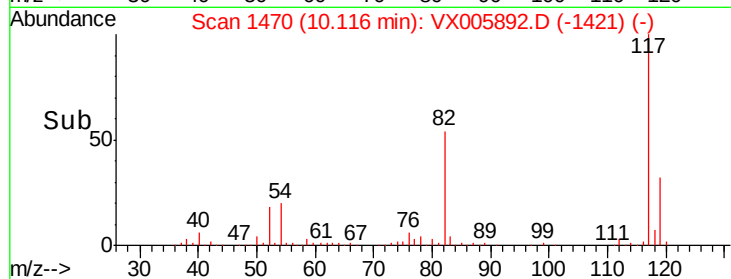
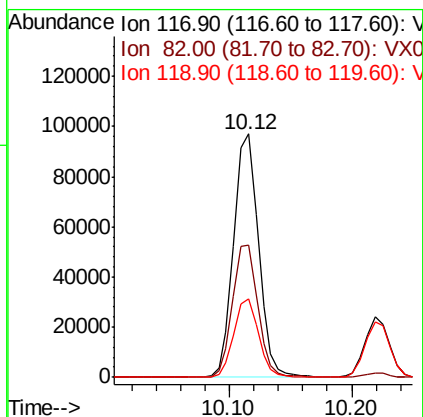
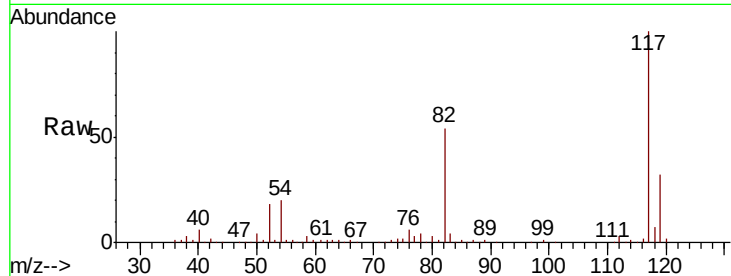
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	44.1	66.1
119	32.4	26.2	39.2

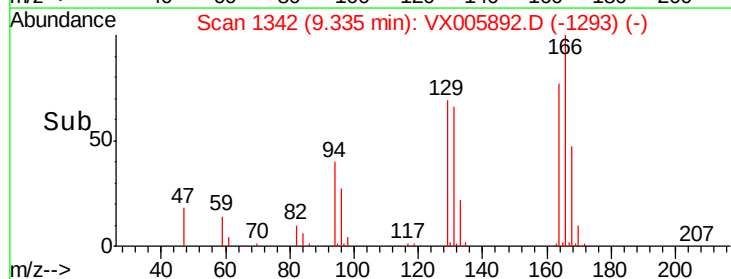
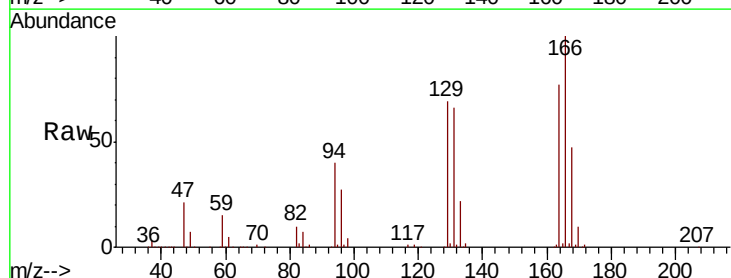
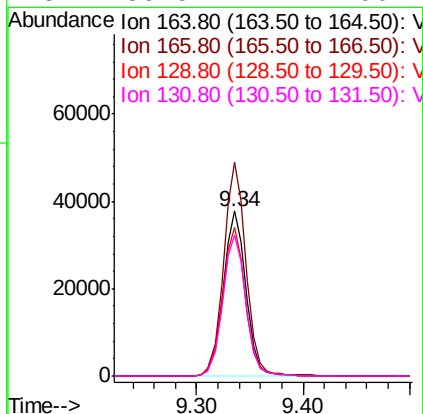
Manual Integrations
APPROVED

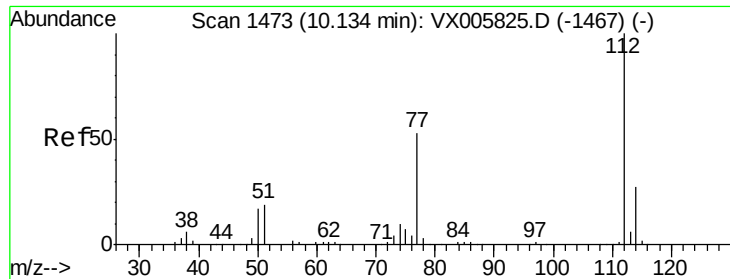
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11/13/2018 11:46:51 AM



#64
Tetrachloroethene
Concen: 48.021 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	101.9	152.9
129	89.8	72.6	109.0
131	85.5	71.1	106.7





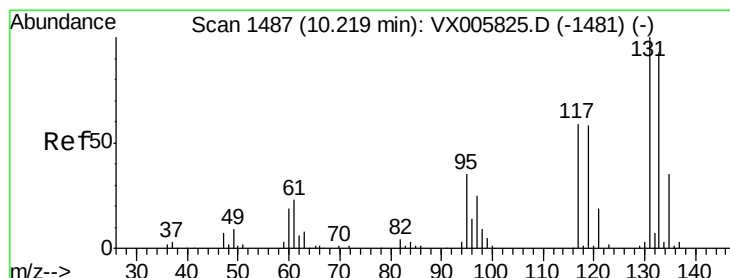
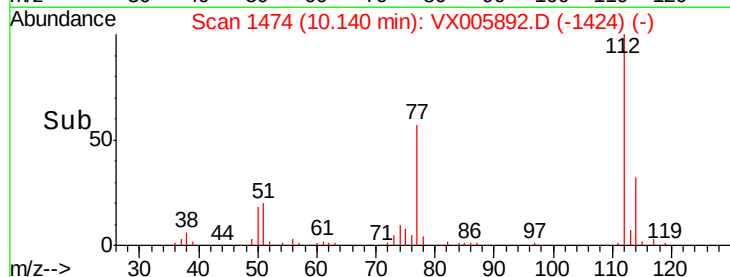
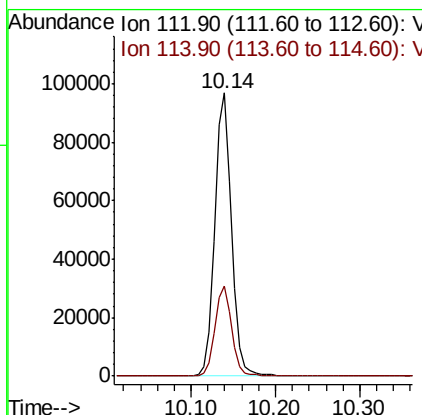
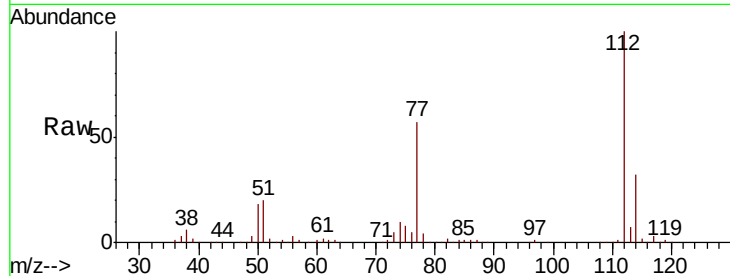
#65
Chlorobenzene
Concen: 48.510 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 132994
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

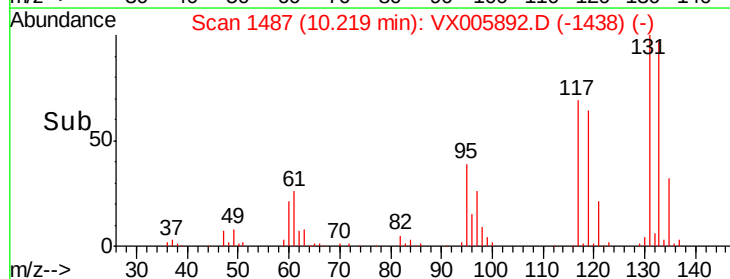
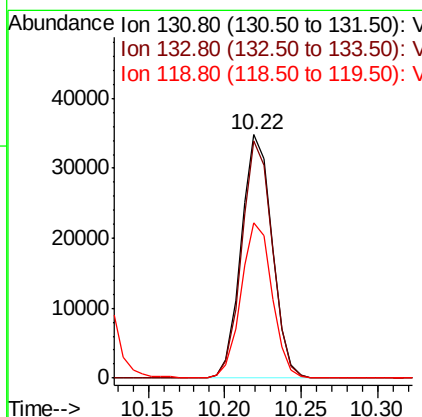
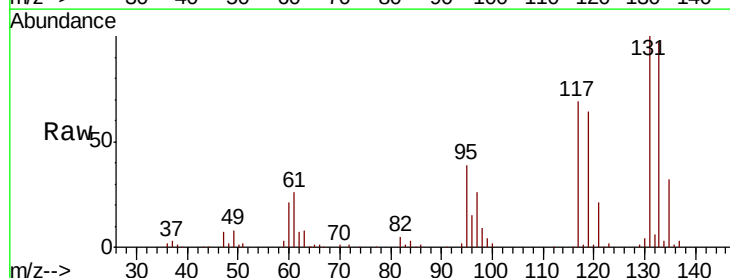
Manual Integrations
APPROVED

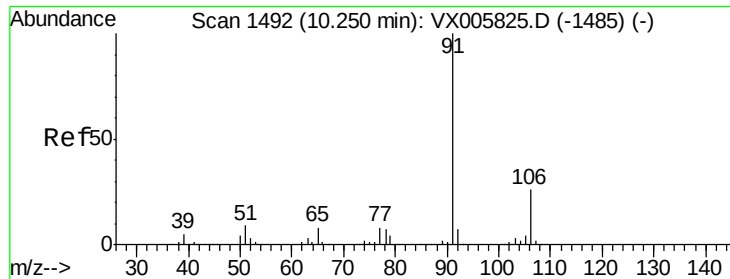
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.196 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion:131 Resp: 48796
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.5
119 64.0 31.8 95.3





#67

Ethyl Benzene

Concen: 52.174 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 229366

Ion Ratio Lower Upper

91 100

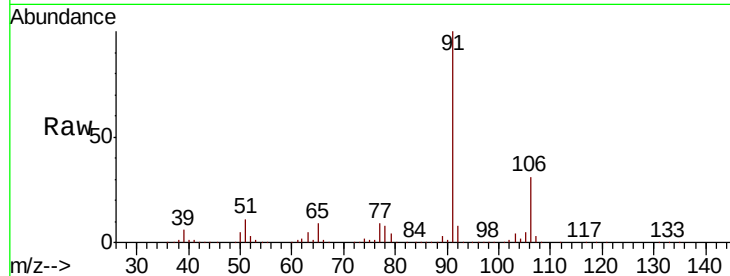
106 30.8 24.4 36.6

Manual Integrations

APPROVED

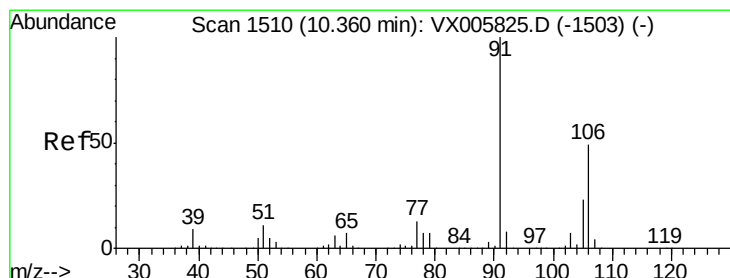
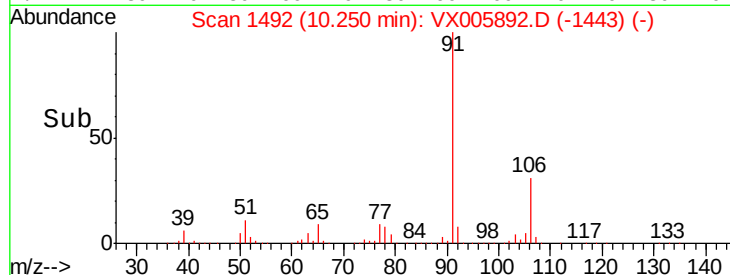
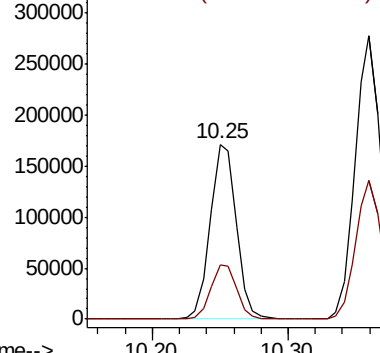
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 107.806 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005892.D

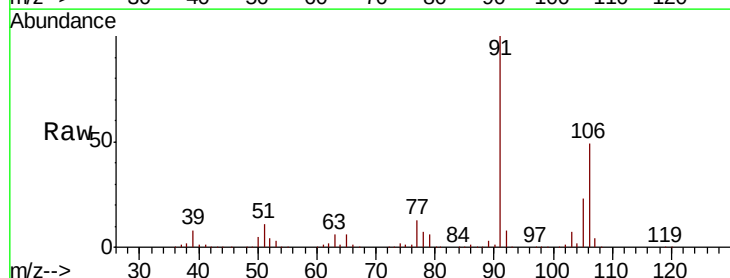
Acq: 12 Nov 2018 11:23

Tgt Ion: 106 Resp: 180777

Ion Ratio Lower Upper

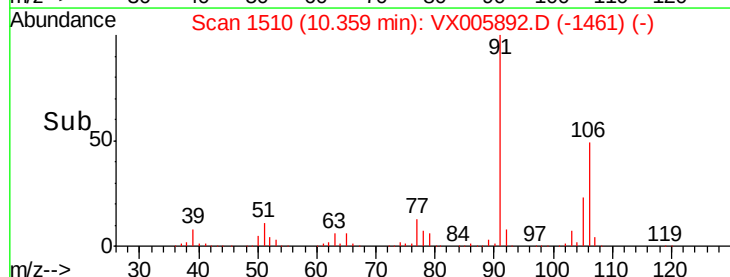
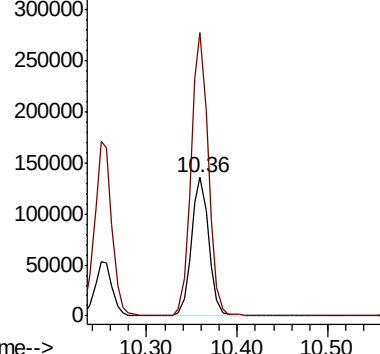
106 100

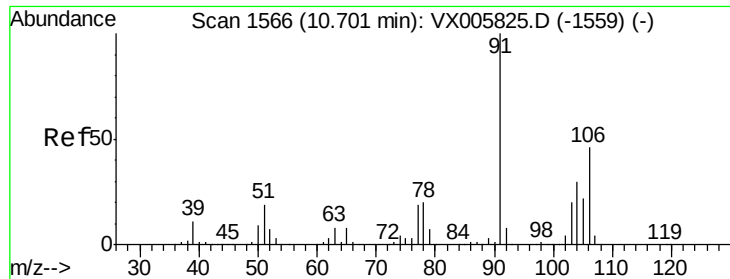
91 204.5 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





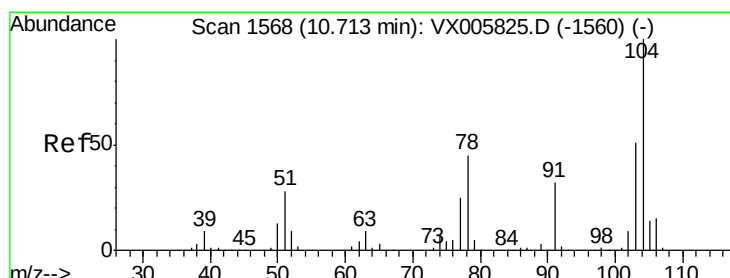
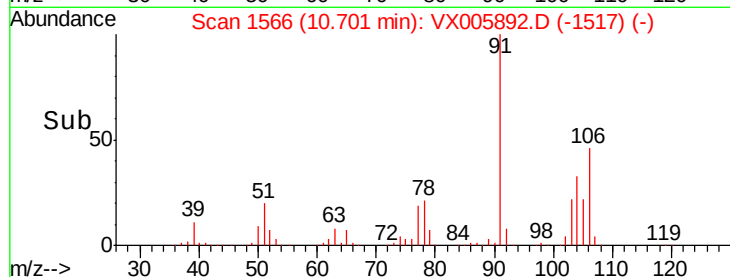
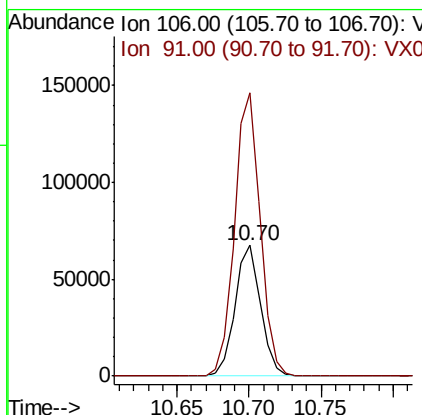
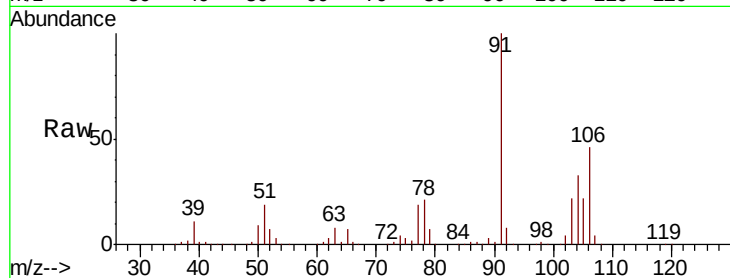
#69
o-Xylene
Concen: 55.779 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 83872
Ion Ratio Lower Upper
106 100
91 217.9 108.5 325.5

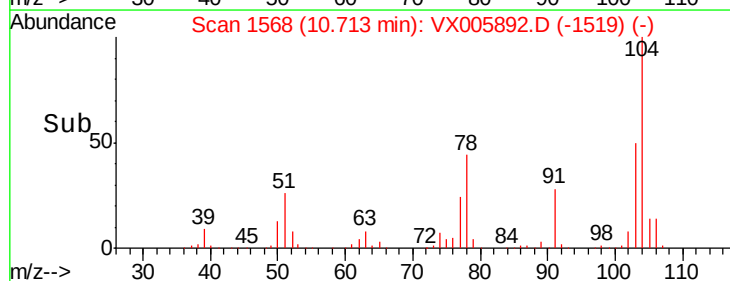
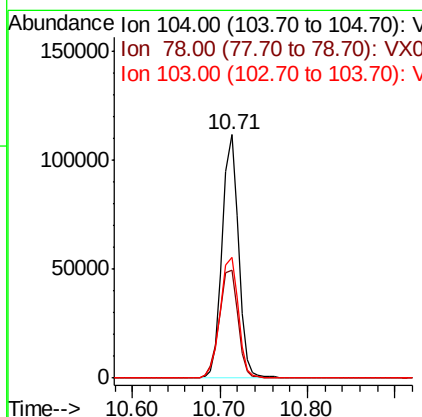
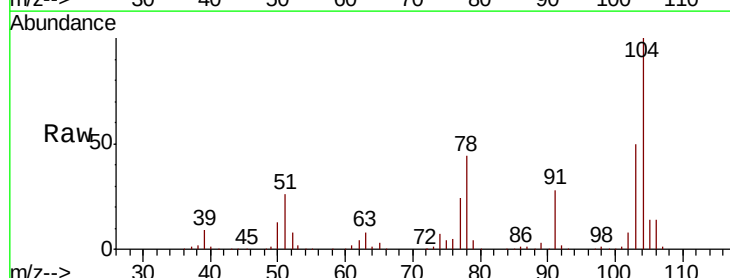
Manual Integrations
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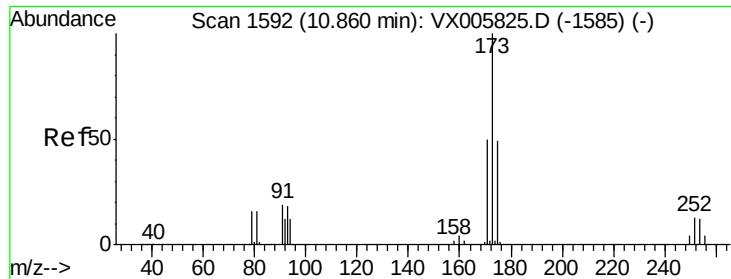
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#70
Styrene
Concen: 58.065 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion:104 Resp: 144029
Ion Ratio Lower Upper
104 100
78 51.0 40.2 60.4
103 55.8 44.9 67.3





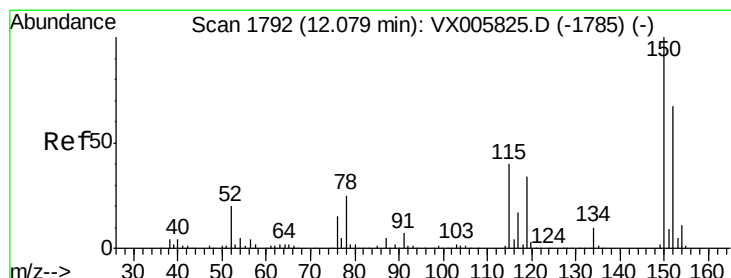
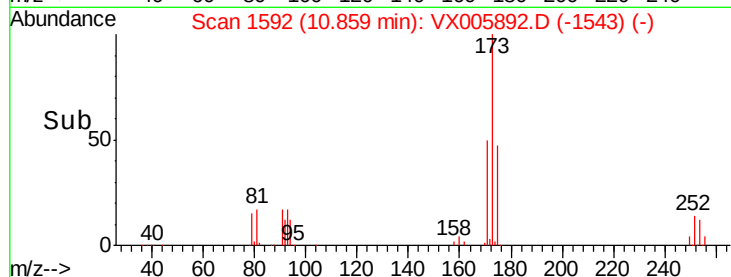
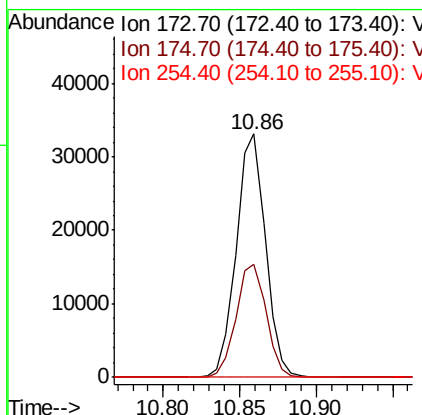
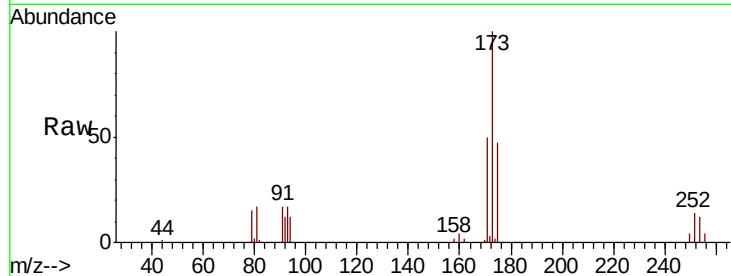
#71
Bromoform
Concen: 54.823 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.8	74.3
254	0.2	0.2	0.2

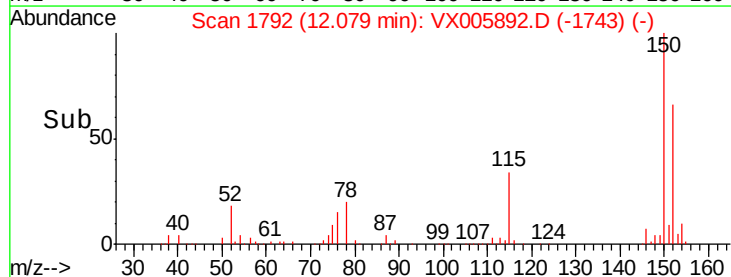
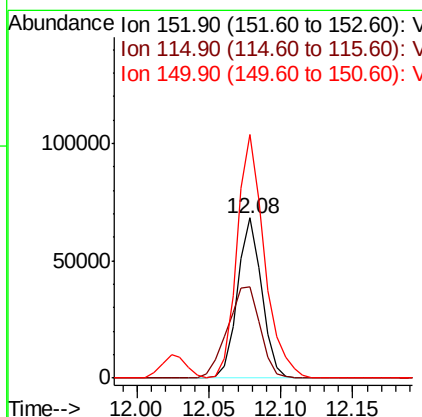
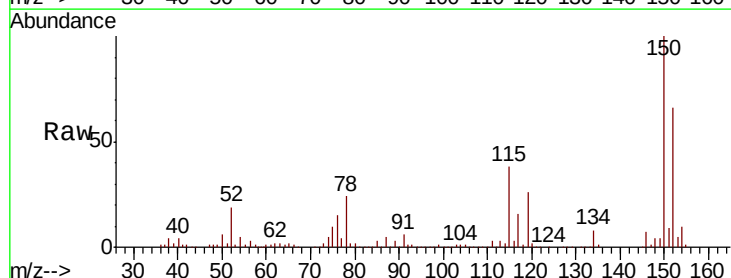
Manual Integrations
APPROVED

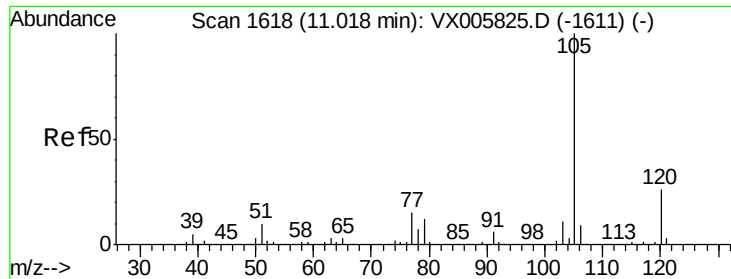
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.3	39.4	118.1
150	171.0	0.0	346.4





#73

Isopropylbenzene

Concen: 51.073 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 236756

Ion Ratio Lower Upper

105 100

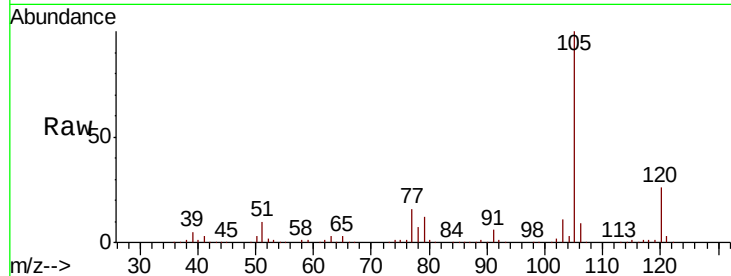
120 26.4 13.1 39.3

Manual Integrations

APPROVED

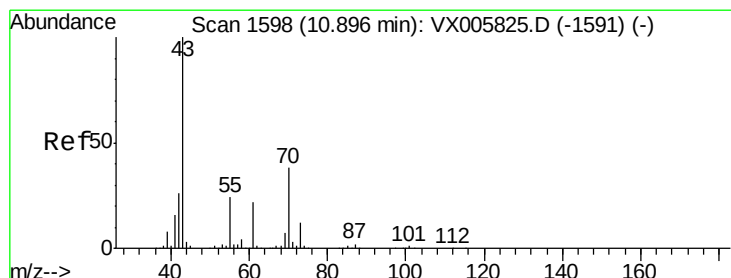
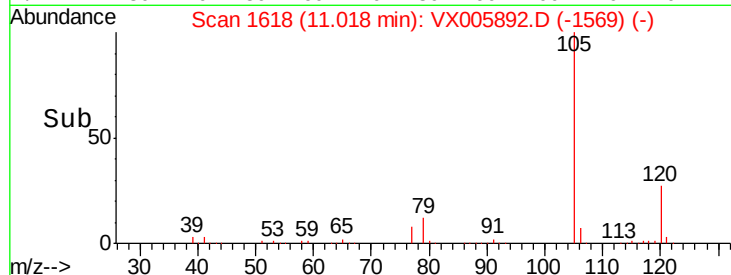
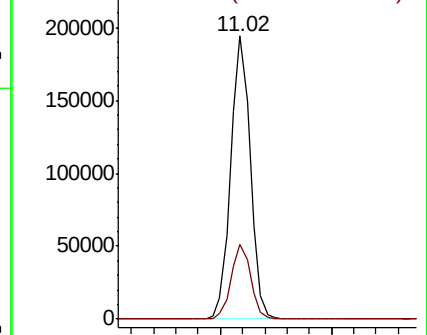
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.432 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Tgt Ion: 43 Resp: 109863

Ion Ratio Lower Upper

43 100

70 39.4 31.6 47.4

55 25.4 19.7 29.5

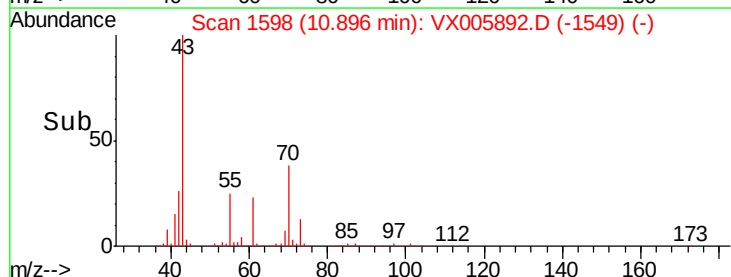
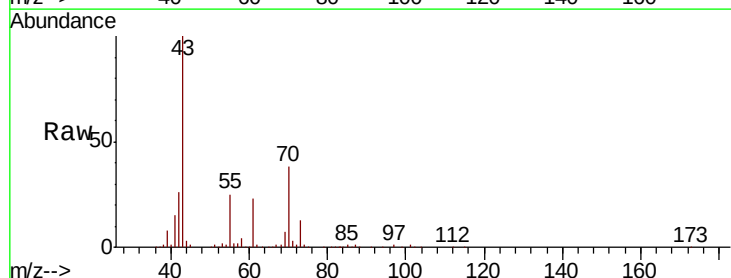
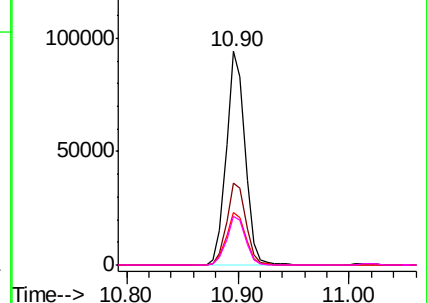
61 22.9 18.3 27.5

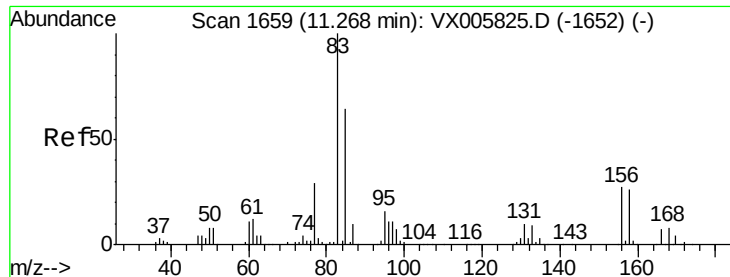
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 44.961 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

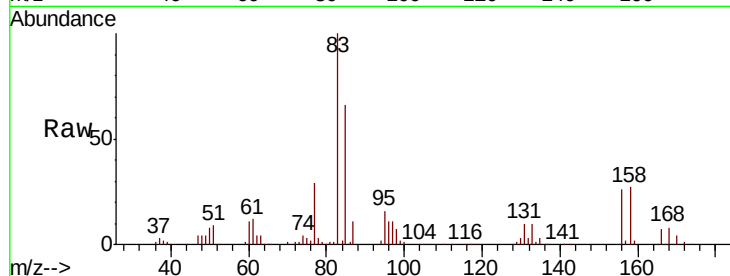
ClientSampleId :

VSTDCCC050

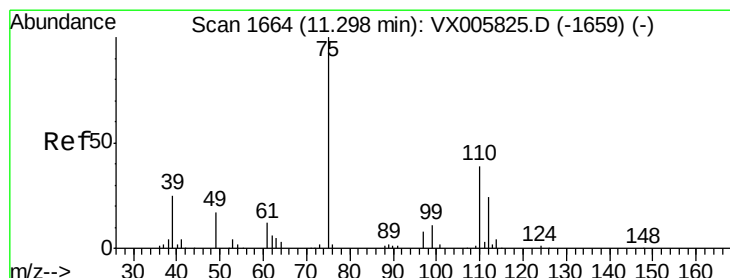
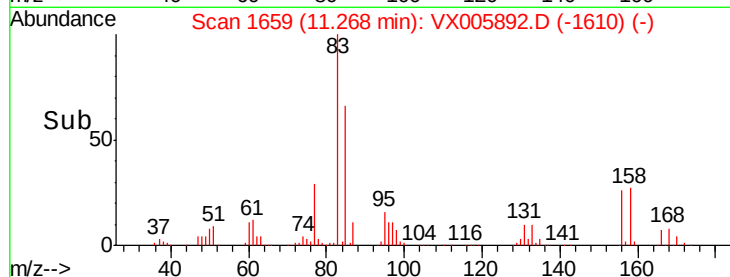
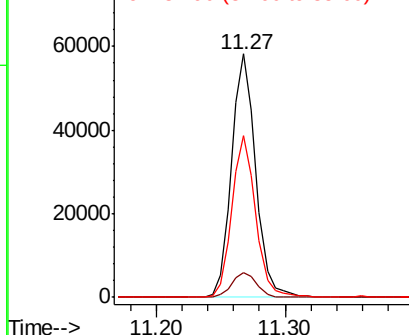
Tot Ion:	83	Resp:	76502
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	65.5	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 46.935 ug/l m

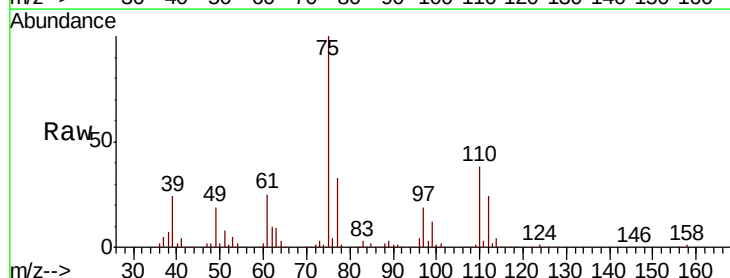
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

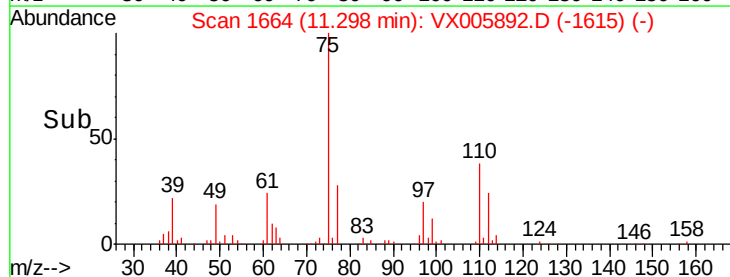
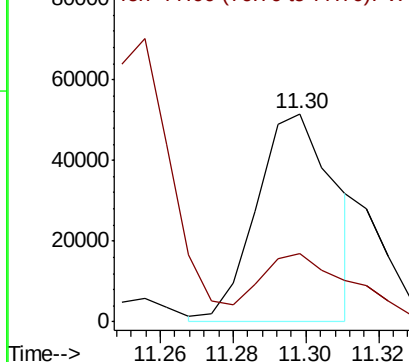
Lab File: VX005892.D

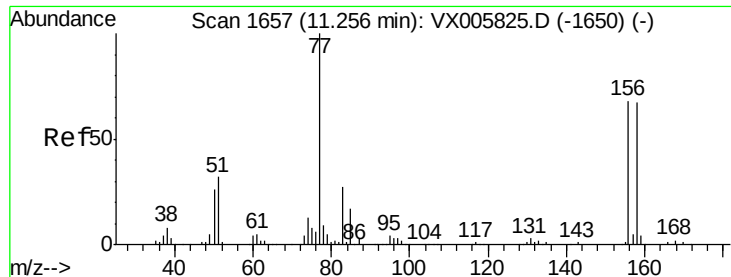
Acq: 12 Nov 2018 11:23

Tgt Ion:	75	Resp:	76610
Ion Ratio	Lower	Upper	
75	100		
77	38.8	20.5	61.6



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





#77

Bromobenzene

Concen: 47.764 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 62409

Ion Ratio Lower Upper

156 100

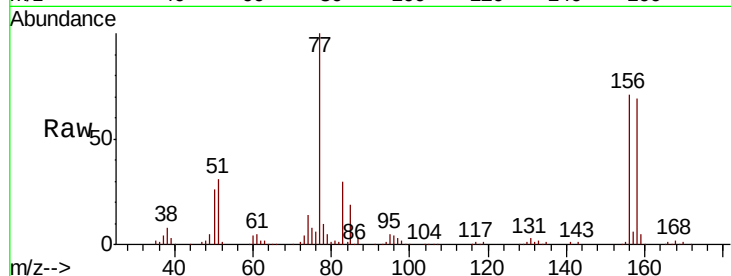
77 147.3 74.8 224.4

158 96.8 49.1 147.3

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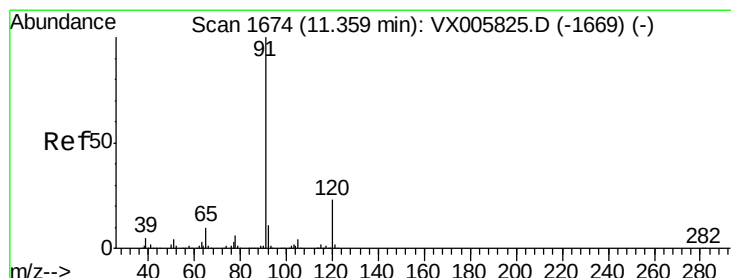
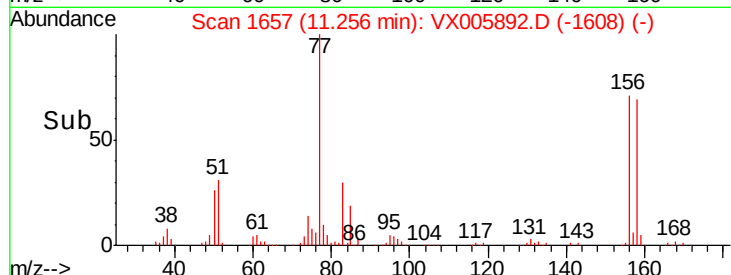
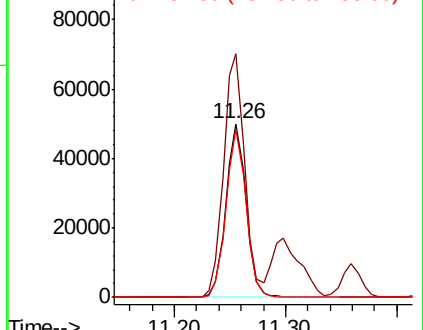
11/13/2018 11:46:51 AM



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: 51.149 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005892.D

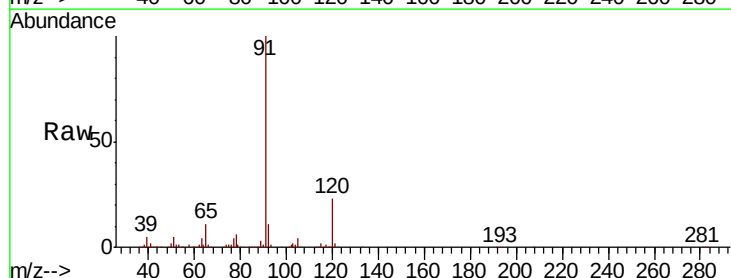
Acq: 12 Nov 2018 11:23

Tgt Ion: 91 Resp: 279439

Ion Ratio Lower Upper

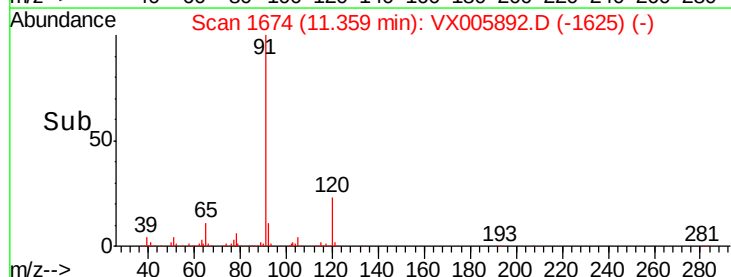
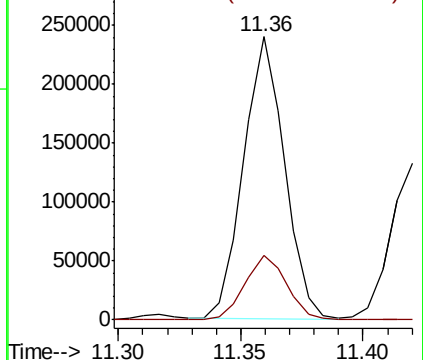
91 100

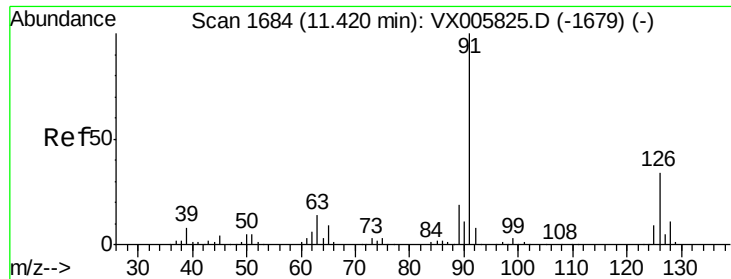
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.231 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 162571

Ion Ratio Lower Upper

91 100

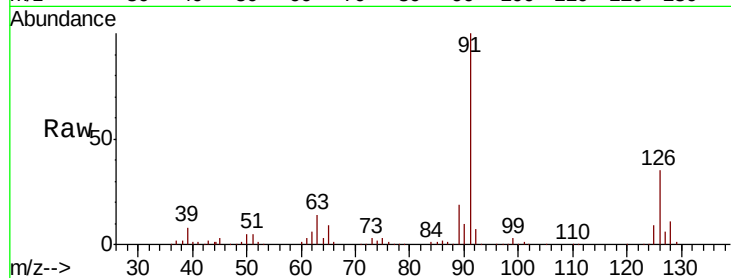
126 34.7 17.3 52.0

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

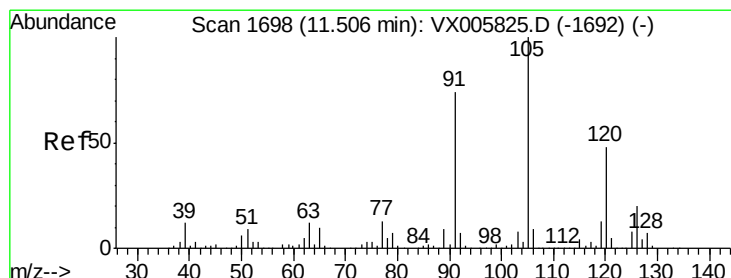
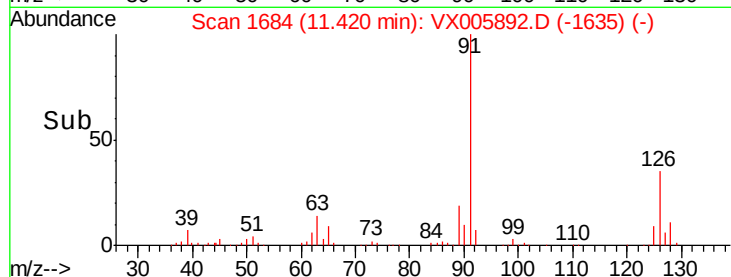
50000

0

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.004 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005892.D

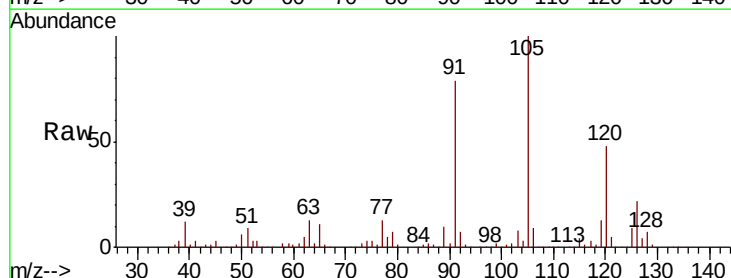
Acq: 12 Nov 2018 11:23

Tgt Ion: 105 Resp: 204862

Ion Ratio Lower Upper

105 100

120 48.2 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

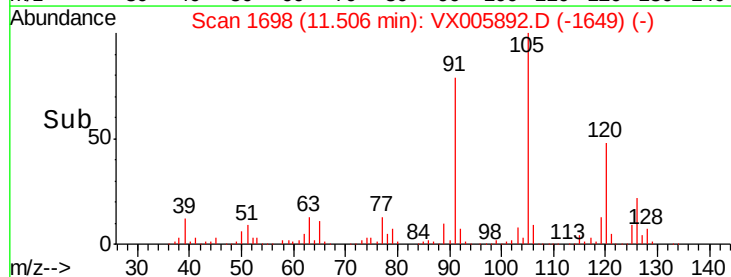
0

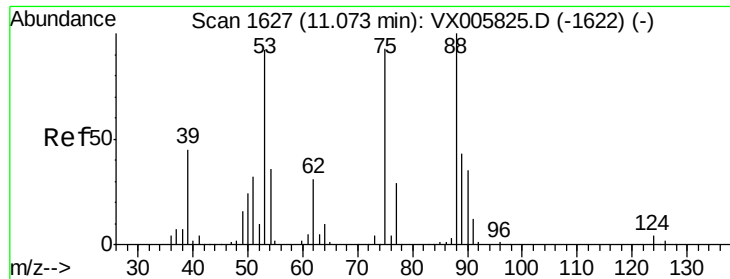
11.40

11.50

11.60

Time-->





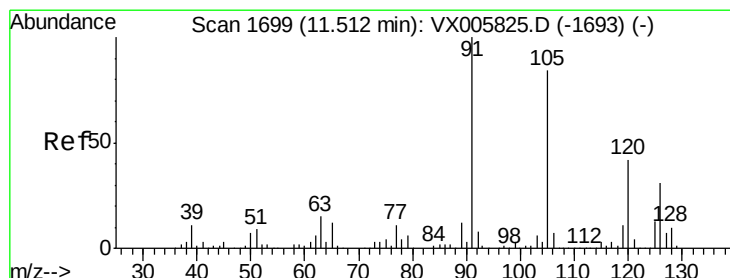
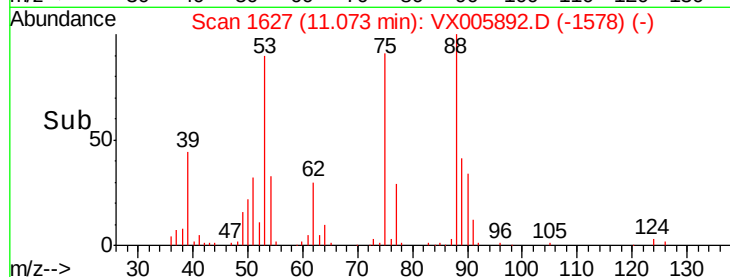
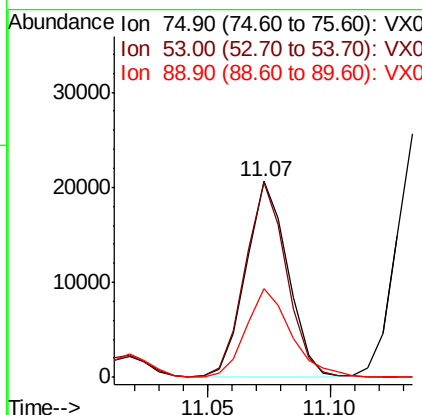
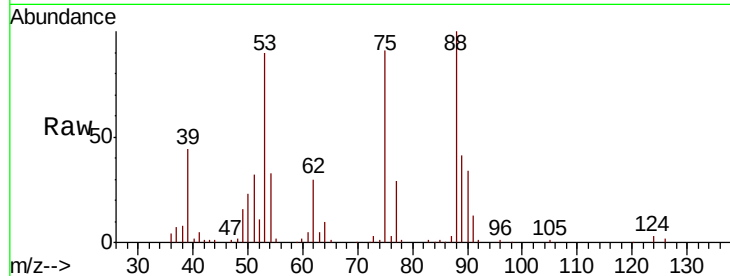
#81
trans-1,4-Dichloro-2-butene
Concen: 48.096 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.6	80.2	120.2
89	48.9	39.8	59.8

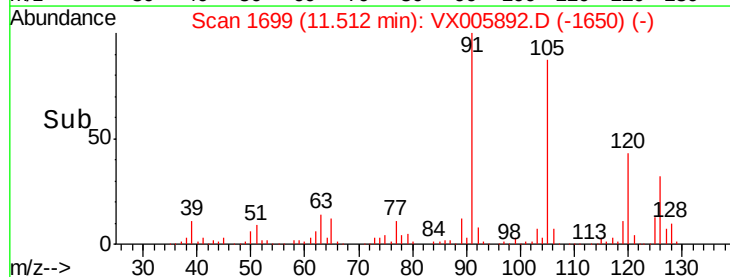
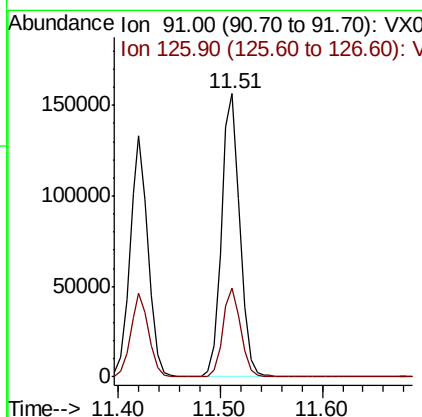
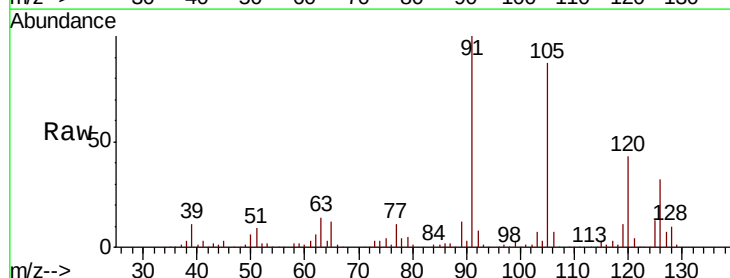
Manual Integrations
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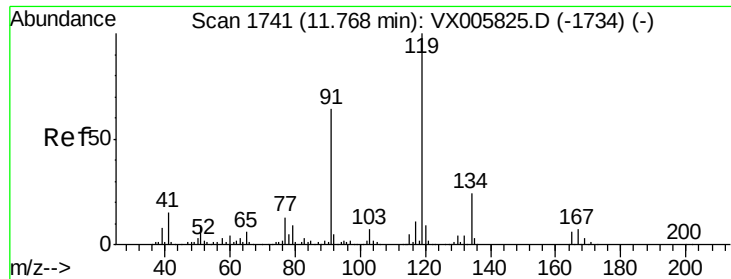
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#82
4-Chlorotoluene
Concen: 50.341 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.2	45.6





#83

tert-Butylbenzene

Concen: 49.587 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

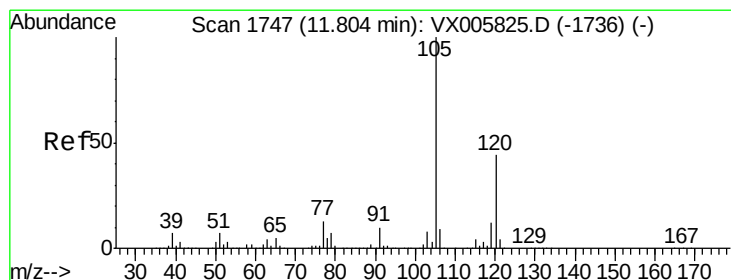
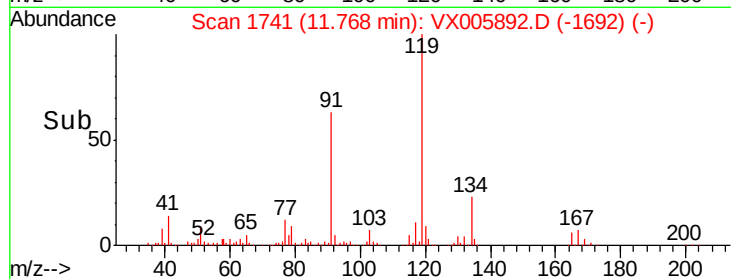
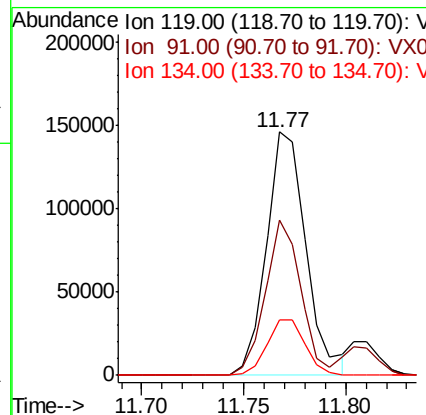
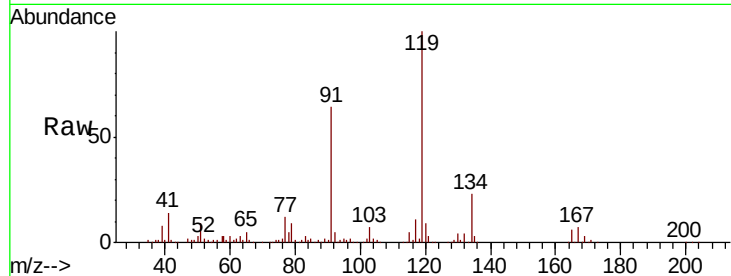
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	197623
Ion Ratio	Lower	Upper	
119	100		
91	57.2	28.5	85.5
134	22.1	11.3	33.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.538 ug/l

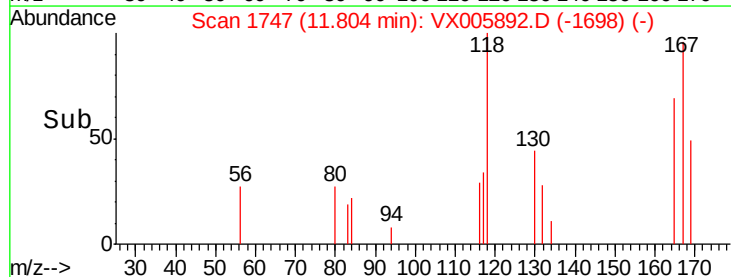
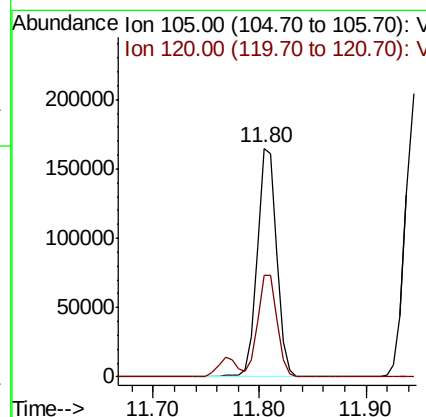
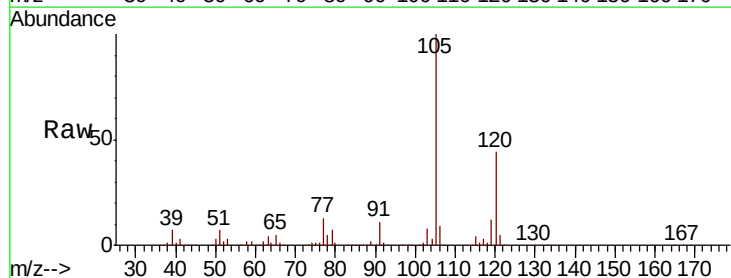
RT: 11.80 min Scan# 1747

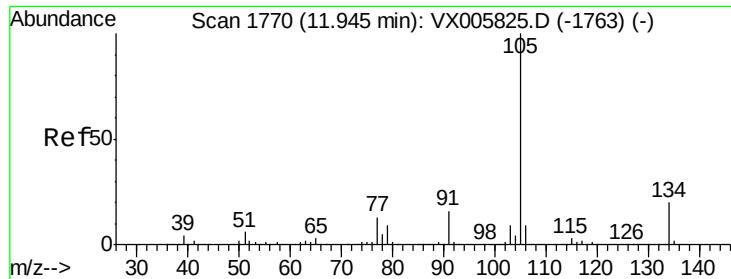
Delta R.T. 0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Tgt Ion:	105	Resp:	211029
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.4	67.0





#85

sec-Butylbenzene

Concen: 50.029 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 243818

Ion Ratio Lower Upper

105 100

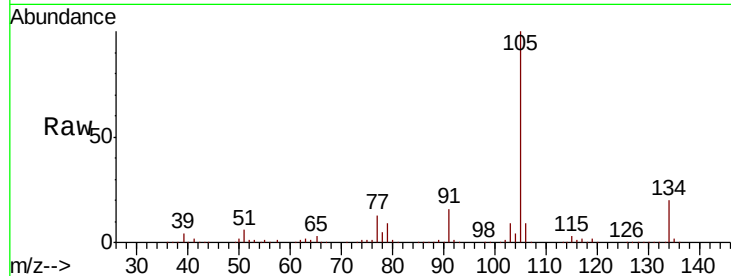
134 20.4 10.2 30.4

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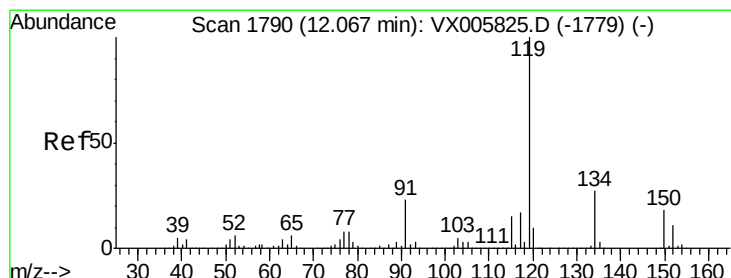
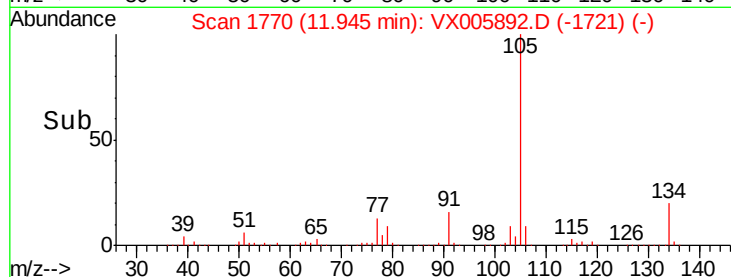
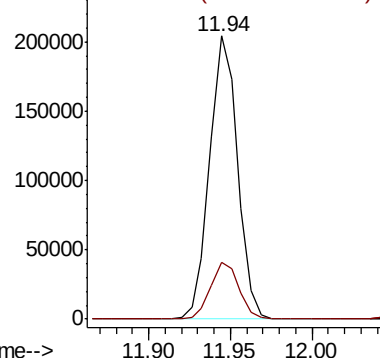
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.775 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

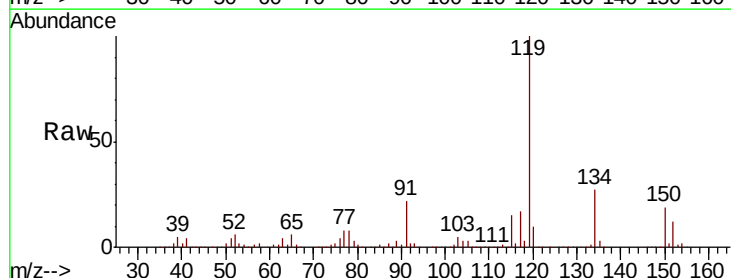
Tgt Ion:119 Resp: 223503

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

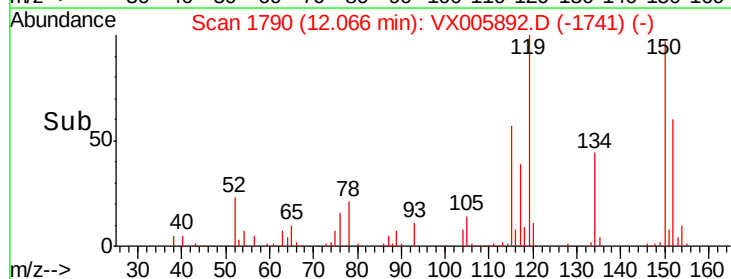
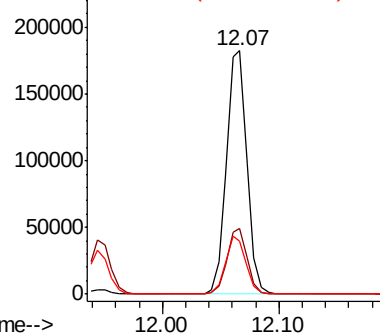
91 23.4 11.4 34.2

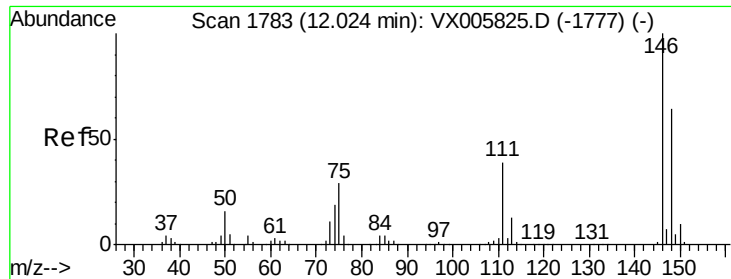


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





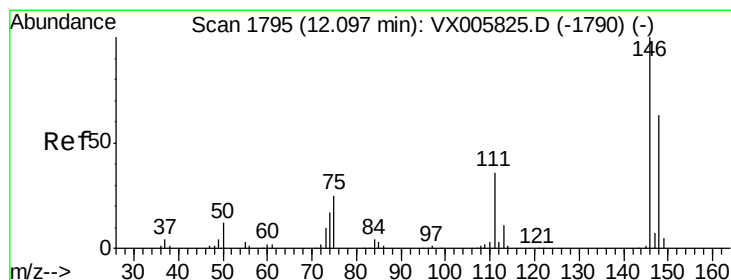
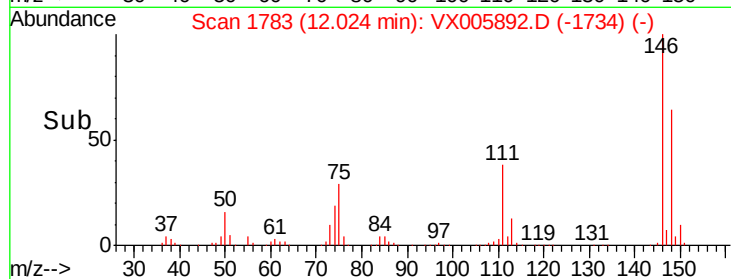
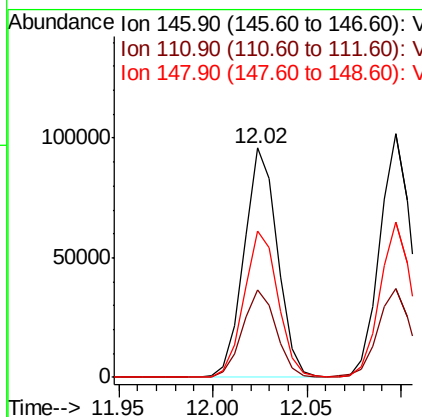
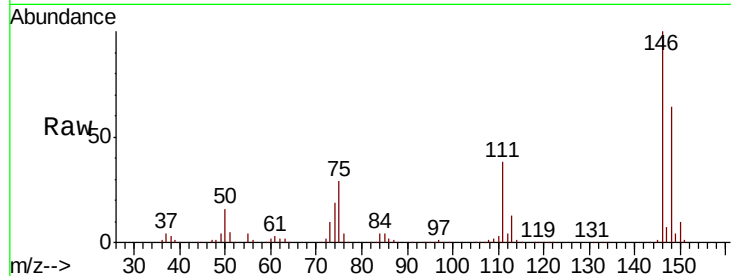
#87
 1,3-Dichlorobenzene
 Concen: 47.125 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	64.4	31.9	95.9

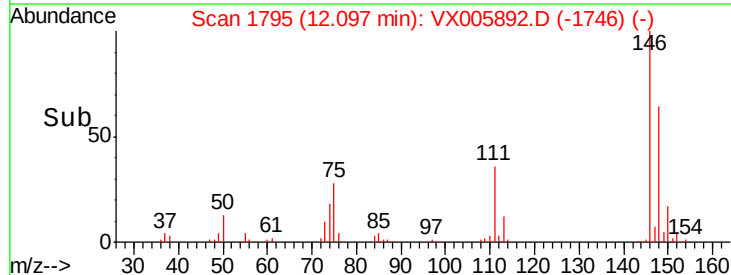
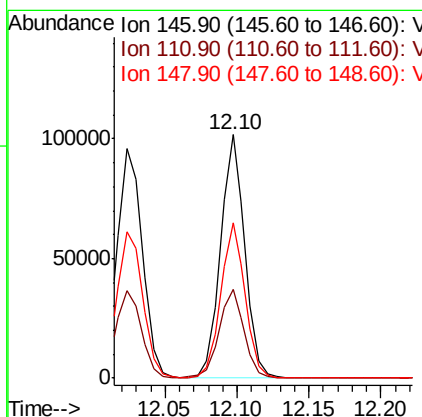
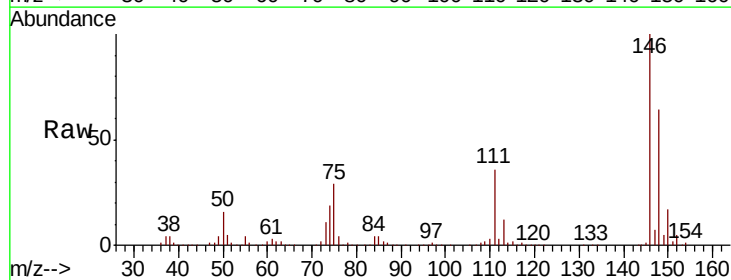
Manual Integrations
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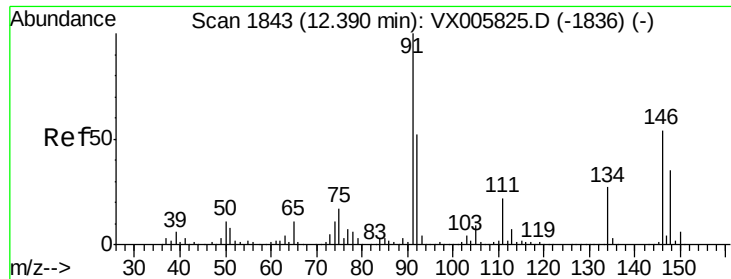
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#88
 1,4-Dichlorobenzene
 Concen: 46.719 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.8
148	64.1	32.1	96.3





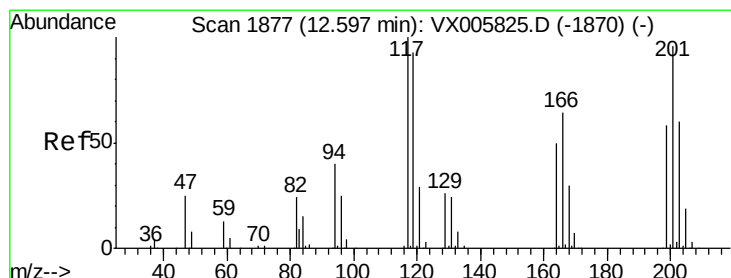
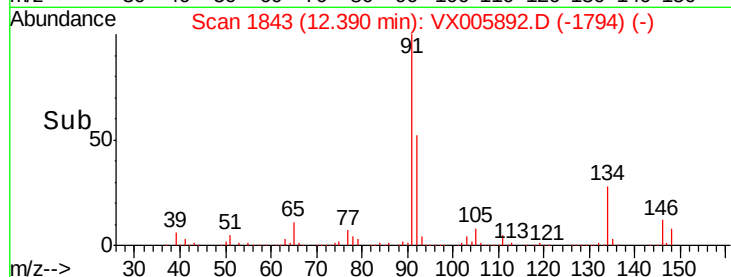
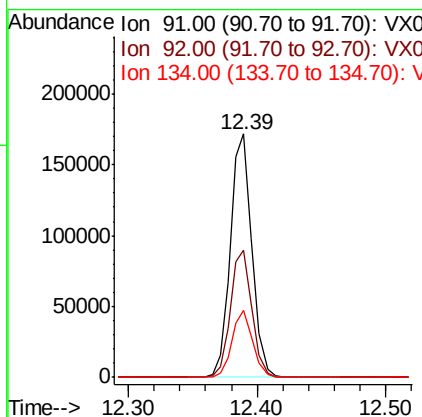
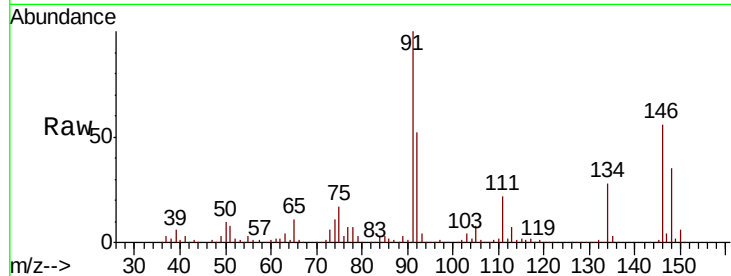
#89
n-Butylbenzene
Concen: 50.183 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	200774		
92	52.2		26.1	78.2
134	26.4		13.1	39.3

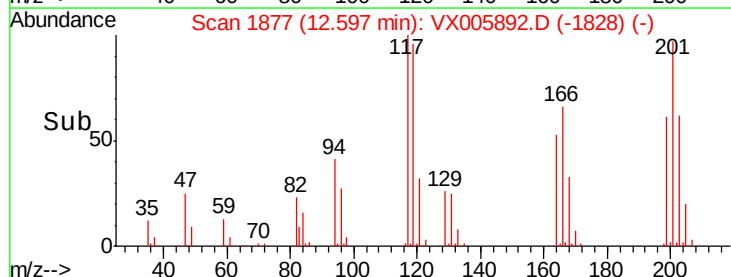
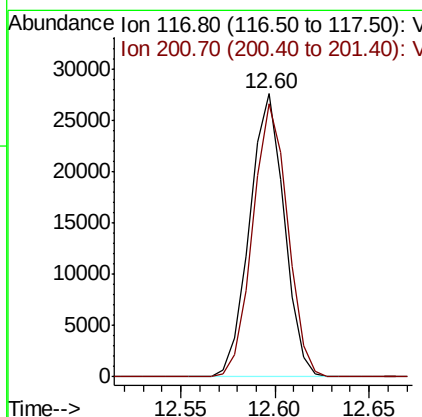
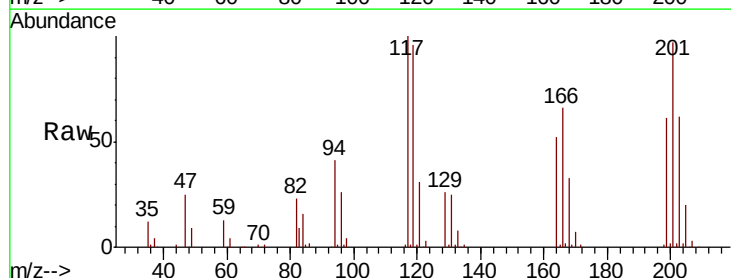
Manual Integrations
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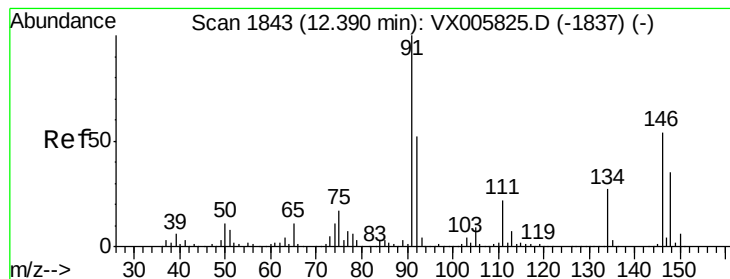
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#90
Hexachloroethane
Concen: 48.787 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35162		
201	97.2		47.9	143.6





#91

1,2-Dichlorobenzene

Concen: 46.723 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 117370

Ion Ratio Lower Upper

146 100

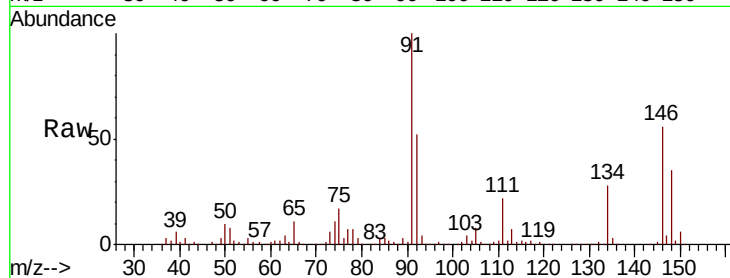
111 39.7 20.0 59.9

148 64.6 32.2 96.6

Manual Integrations
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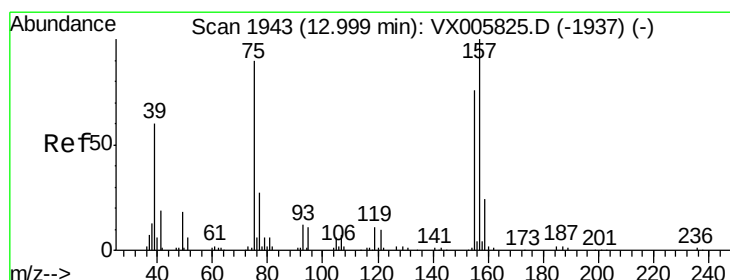
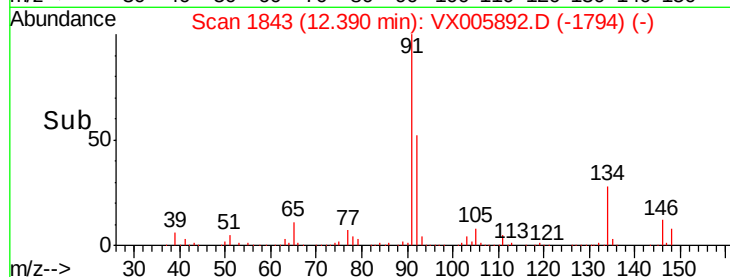
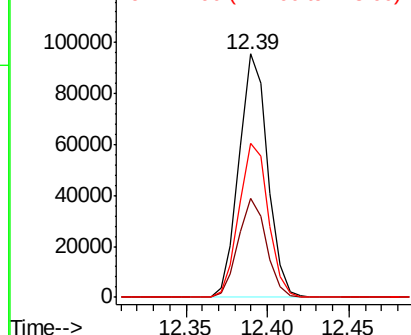


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.372 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005892.D

Acq: 12 Nov 2018 11:23

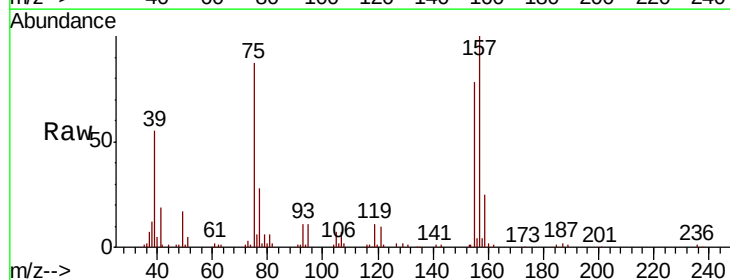
Tgt Ion: 75 Resp: 19254

Ion Ratio Lower Upper

75 100

155 91.1 45.4 136.1

157 115.6 57.4 172.0

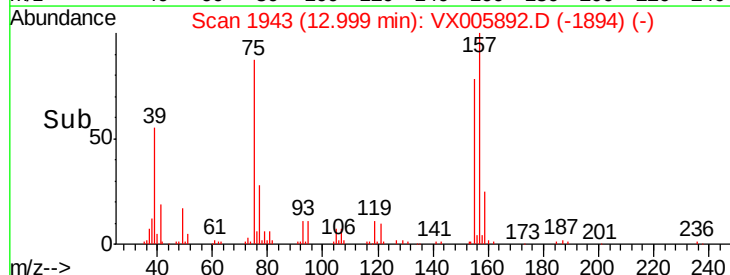
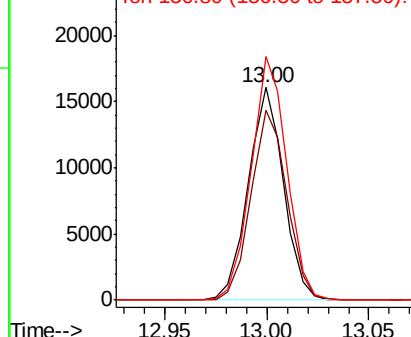


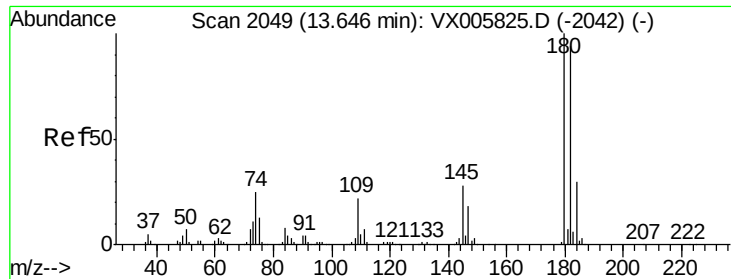
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





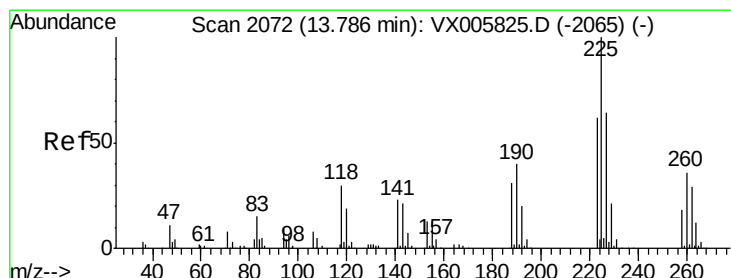
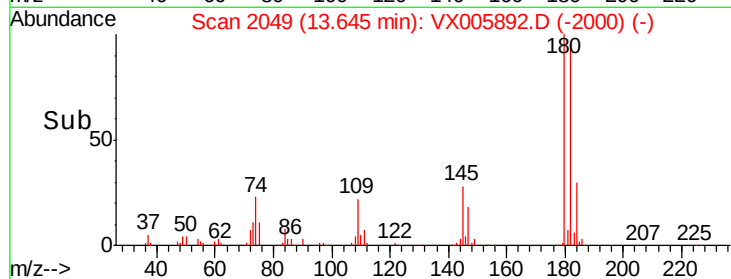
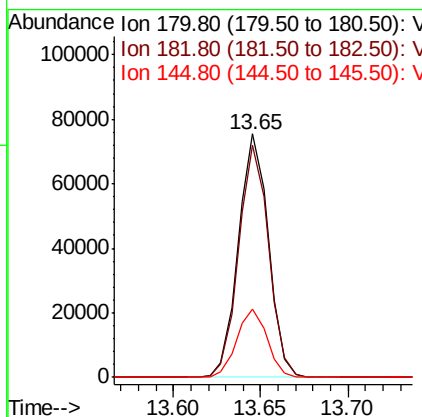
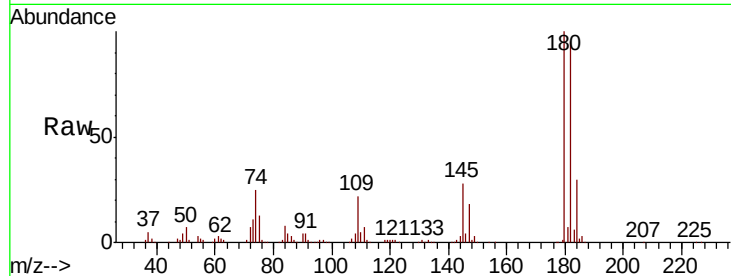
#93
 1,2,4-Trichlorobenzene
 Concen: 50.799 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	89834		
182	95.3	47.6	142.8	
145	28.4	14.1	42.2	

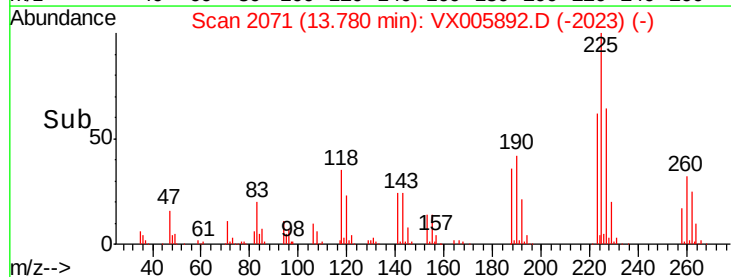
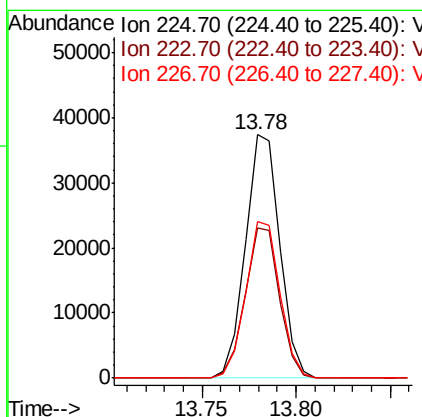
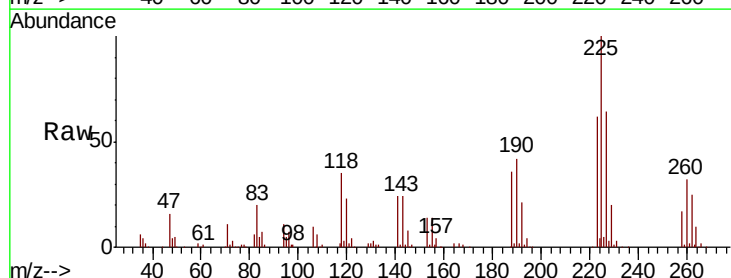
Manual Integrations
 APPROVED

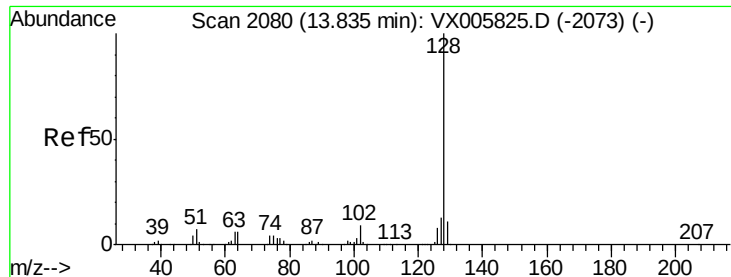
MMDadoda
 11/13/2018 11:46:51 AM



#94
 Hexachlorobutadiene
 Concen: 50.823 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005892.D
 Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47211		
223	61.7	31.7	95.1	
227	63.9	32.3	96.9	





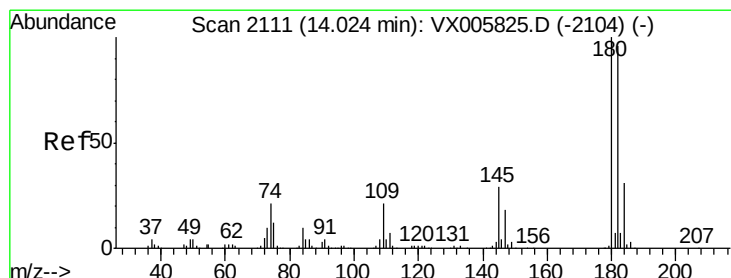
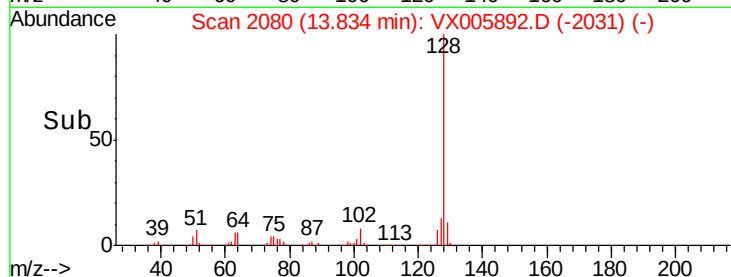
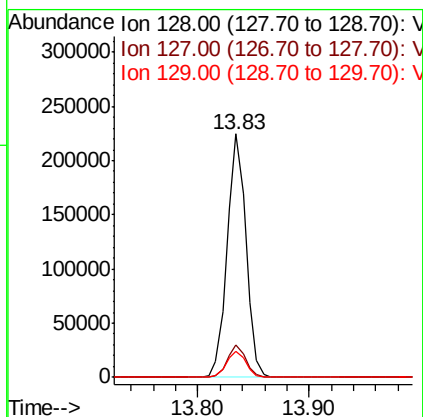
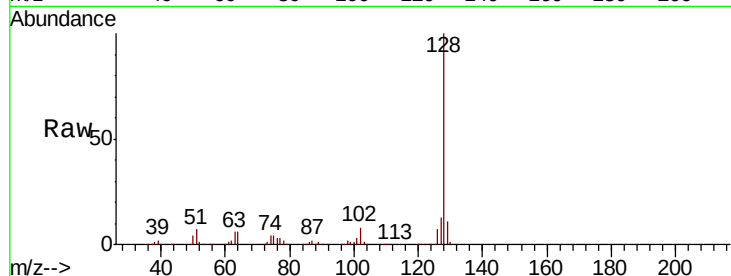
#95
Naphthalene
Concen: 45.523 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/13/2018 11:46:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.112 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005892.D
Acq: 12 Nov 2018 11:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.2
145	29.9	15.1	45.3

