

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112118\
 Data File : VX006163.D
 Acq On : 22 Nov 2018 09:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:49:40 AM

Quant Time: Nov 22 23:28:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	293219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	438026	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	410197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228114	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	178260	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
35) Dibromofluoromethane	5.50	113	147020	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	8.71	98	553310	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.14	95	209396	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	108483	49.787	ug/l	99
3) Chloromethane	1.32	50	121623	44.186	ug/l	99
4) Vinyl Chloride	1.41	62	138294	49.394	ug/l	96
5) Bromomethane	1.64	94	67824	32.872	ug/l	97
6) Chloroethane	1.71	64	100061	70.546	ug/l	98
7) Trichlorofluoromethane	1.93	101	188667	51.511	ug/l	100
8) Diethyl Ether	2.19	74	76941	49.695	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	104020	47.895	ug/l	99
10) Methyl Iodide	2.51	142	68468	25.145	ug/l	99
11) Tert butyl alcohol	3.07	59	189053	261.565	ug/l	98
12) 1,1-Dichloroethene	2.37	96	103597	48.930	ug/l	98
13) Acrolein	2.29	56	81800	189.132	ug/l	100
14) Allyl chloride	2.73	41	207488	47.900	ug/l	99
15) Acrylonitrile	3.15	53	397620	249.066	ug/l	99
16) Acetone	2.45	43	368114	244.155	ug/l	98
17) Carbon Disulfide	2.57	76	414825	72.561	ug/l	98
18) Methyl Acetate	2.78	43	204649	52.930	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	385284	52.646	ug/l	100
20) Methylene Chloride	2.85	84	124637	54.649	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	115110	51.963	ug/l	95
22) Diisopropyl ether	3.87	45	512250	55.242	ug/l	95
23) Vinyl Acetate	3.82	43	2197965	285.706	ug/l	99
24) 1,1-Dichloroethane	3.70	63	225904	51.711	ug/l	98
25) 2-Butanone	4.70	43	703977	251.555	ug/l	99
26) 2,2-Dichloropropane	4.59	77	135167	37.540	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	158118	51.069	ug/l	98
28) Bromochloromethane	5.02	49	134944	52.999	ug/l	98
29) Tetrahydrofuran	5.15	42	453836	259.966	ug/l	99
30) Chloroform	5.21	83	271501	51.285	ug/l	99
31) Cyclohexane	5.57	56	231871	50.813	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	234351	54.823	ug/l	99
36) 1,1-Dichloropropene	5.80	75	201881	50.661	ug/l	99
37) Ethyl Acetate	4.85	43	260513	50.813	ug/l	99
38) Carbon Tetrachloride	5.78	117	204417	54.576	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	223803	49.297	ug/l	99
40) Benzene	6.14	78	598962	51.017	ug/l	99
41) Methacrylonitrile	5.06	41	145570	51.522	ug/l	99
42) 1,2-Dichloroethane	6.20	62	219557	50.021	ug/l	100
43) Isopropyl Acetate	6.46	43	394391	53.267	ug/l	99
44) Trichloroethene	7.21	130	161453	49.479	ug/l	99
45) 1,2-Dichloropropane	7.52	63	162064	52.160	ug/l	98
46) Dibromomethane	7.66	93	107306	50.430	ug/l	100
47) Bromodichloromethane	7.90	83	209365	53.200	ug/l	99
48) Methyl methacrylate	7.77	41	210036	55.934	ug/l	100
49) 1,4-Dioxane	7.75	88	89633	1006.118	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1398064	263.389	ug/l	100
52) Toluene	8.79	92	380575	52.408	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	207500	50.527	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	227680	50.151	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	158891	50.522	ug/l	99
56) Ethyl methacrylate	9.18	69	248319	50.664	ug/l	99
57) 1,3-Dichloropropane	9.37	76	263897	50.907	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	658200	241.058	ug/l	100
59) 2-Hexanone	9.49	43	1098354	260.739	ug/l	100
60) Dibromochloromethane	9.59	129	170800	55.394	ug/l	100
61) 1,2-Dibromoethane	9.67	107	168708	52.070	ug/l	99
64) Tetrachloroethene	9.34	164	159344	47.204	ug/l	97
65) Chlorobenzene	10.14	112	433192	51.485	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	157574	54.549	ug/l	100
67) Ethyl Benzene	10.25	91	742915	53.925	ug/l	99
68) m/p-Xylenes	10.36	106	576475	107.459	ug/l	100
69) o-Xylene	10.70	106	277668	54.187	ug/l	100
70) Styrene	10.71	104	468088	56.024	ug/l	100
71) Bromoform	10.86	173	140742	54.431	ug/l #	99
73) Isopropylbenzene	11.02	105	759798	55.049	ug/l	100
74) N-amyl acetate	10.90	43	369557	52.417	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	266503	51.236	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	243225m	51.790	ug/l	
77) Bromobenzene	11.26	156	203313	52.584	ug/l	99
78) n-propylbenzene	11.36	91	884994	55.058	ug/l	100
79) 2-Chlorotoluene	11.42	91	516571	53.122	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	637074	54.746	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	61618	44.376	ug/l	97
82) 4-Chlorotoluene	11.51	91	613680	54.077	ug/l	99
83) tert-Butylbenzene	11.77	119	635131	55.907	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	656351	55.294	ug/l	100
85) sec-Butylbenzene	11.94	105	762357	54.863	ug/l	100
86) p-Isopropyltoluene	12.07	119	685001	55.290	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	369806	51.873	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	373489	50.537	ug/l	99
89) n-Butylbenzene	12.39	91	599810	53.473	ug/l	99
90) Hexachloroethane	12.60	117	112861	57.085	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	376452	51.650	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	65176	54.000	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	277637	54.073	ug/l	98
94) Hexachlorobutadiene	13.78	225	125805	50.275	ug/l	100
95) Naphthalene	13.83	128	872689	57.802	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	283673	54.193	ug/l	99

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

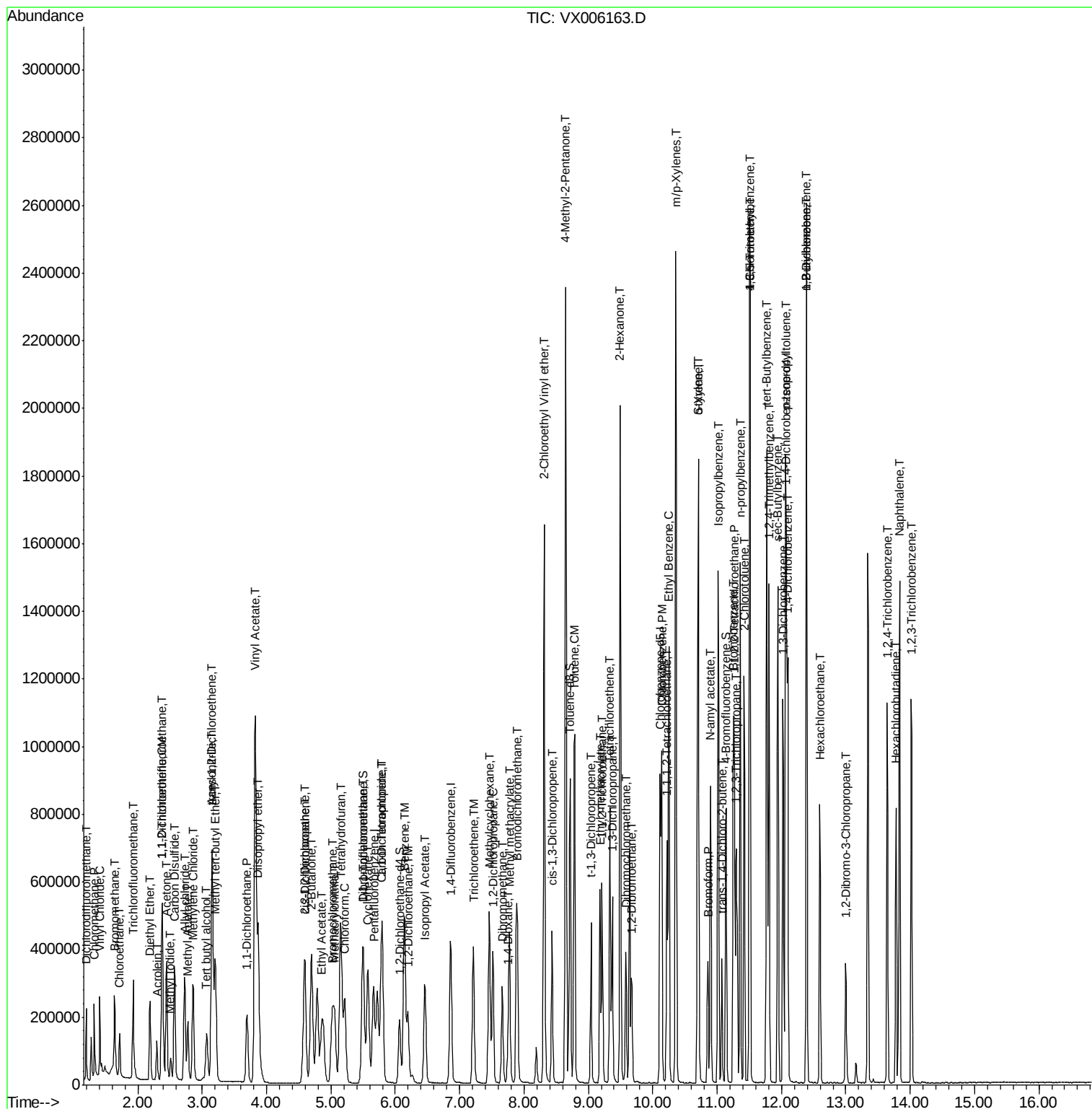
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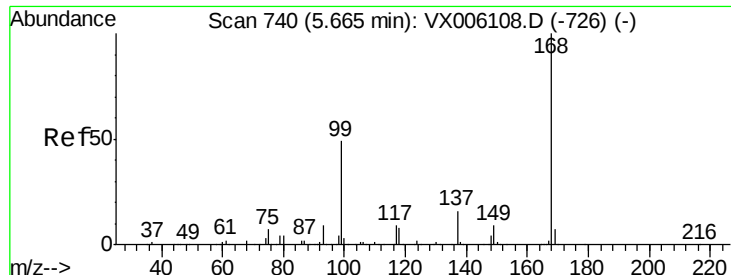
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 293219

Ion Ratio Lower Upper

168 100

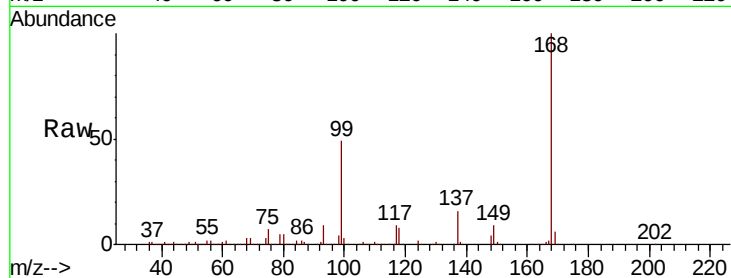
99 49.0 39.2 58.8

Manual Integrations

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11/26/2018 9:49:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

20000

0

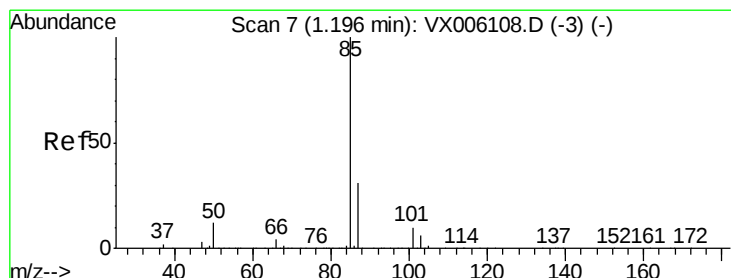
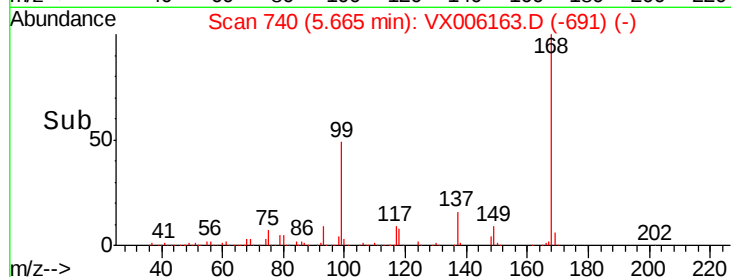
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.787 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006163.D

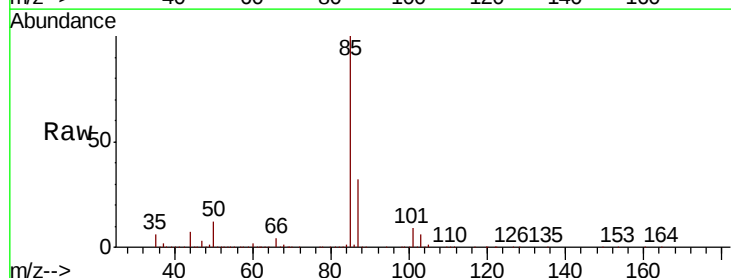
Acq: 22 Nov 2018 09:48

Tgt Ion: 85 Resp: 108483

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

50000

0

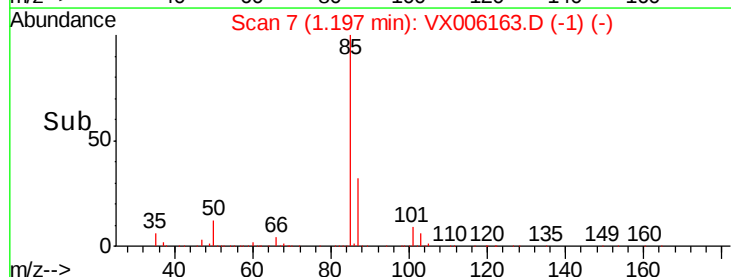
1.15

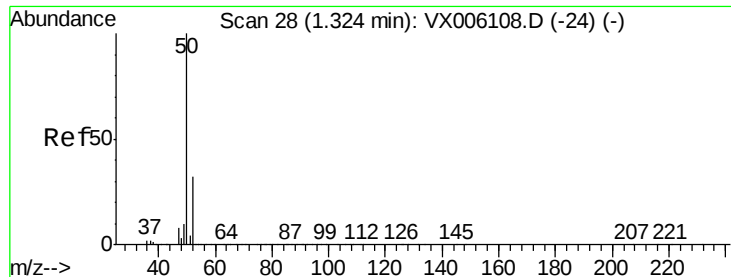
1.20

1.25

1.30

Time-->





#3

Chloromethane

Concen: 44.186 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 121623

Ion Ratio Lower Upper

50 100

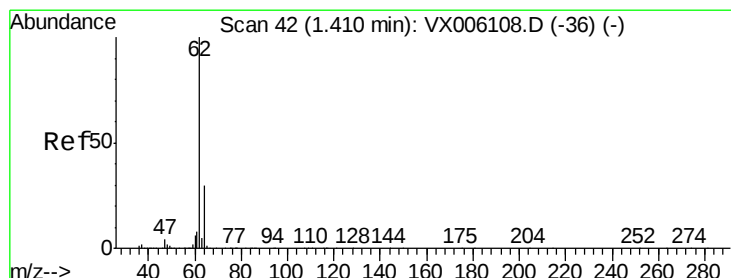
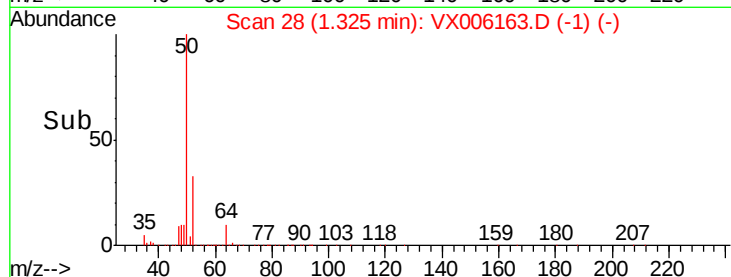
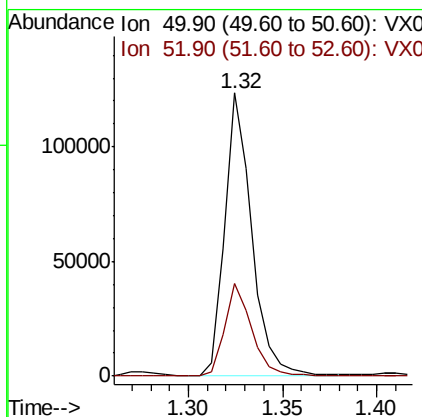
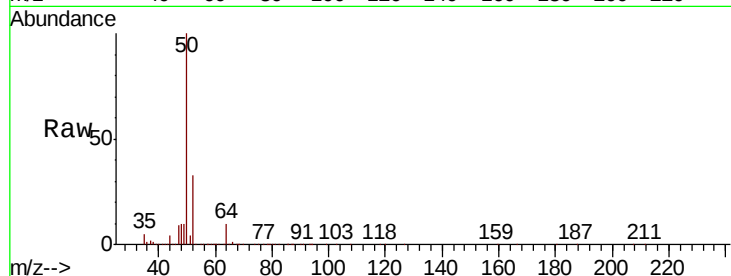
52 32.8 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.394 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006163.D

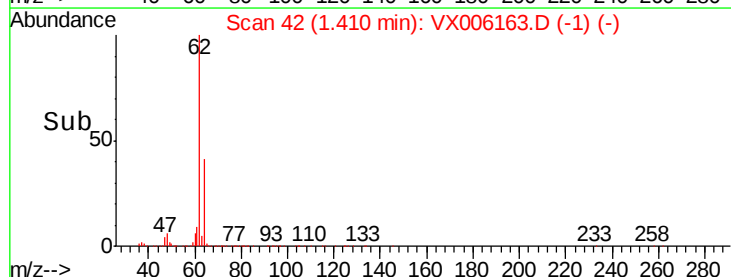
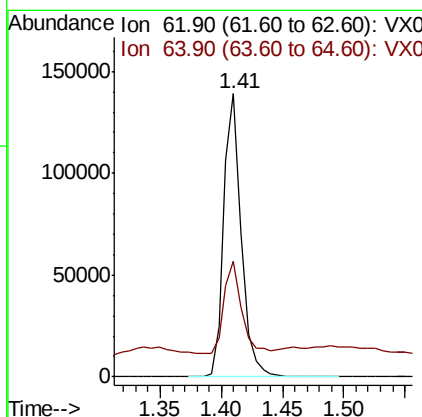
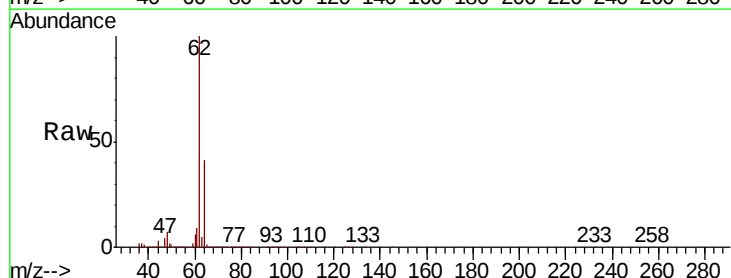
Acq: 22 Nov 2018 09:48

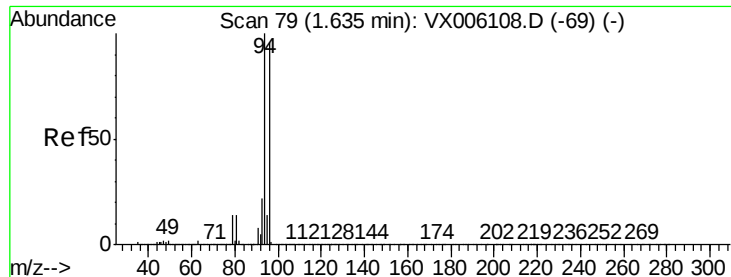
Tgt Ion: 62 Resp: 138294

Ion Ratio Lower Upper

62 100

64 32.3 24.2 36.4





#5

Bromomethane

Concen: 32.872 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 67824

Ion Ratio Lower Upper

94 100

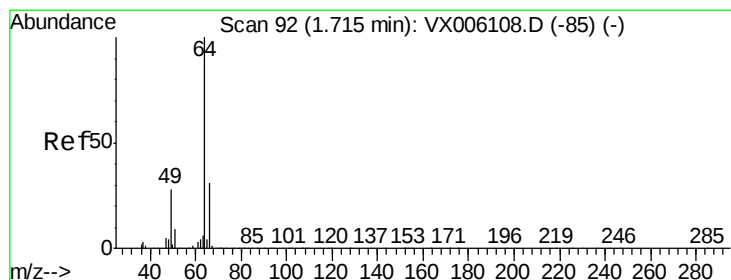
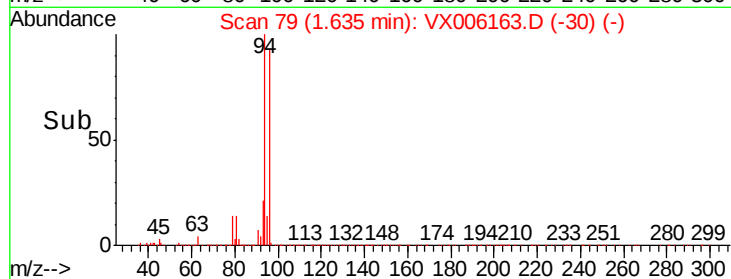
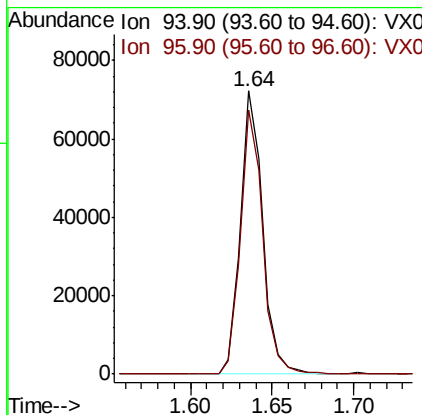
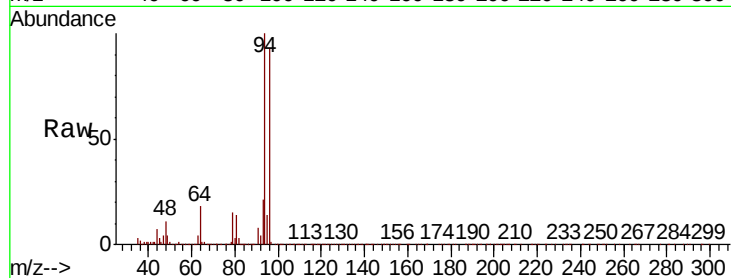
96 93.2 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 70.546 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX006163.D

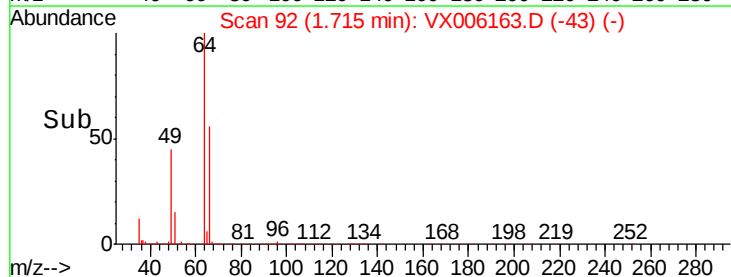
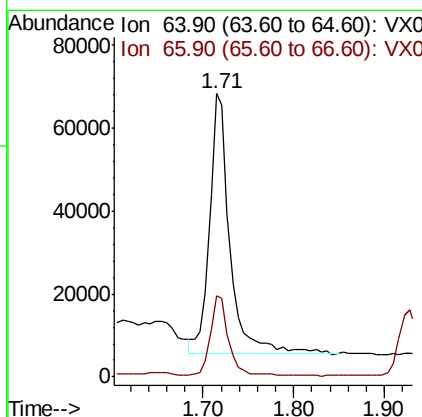
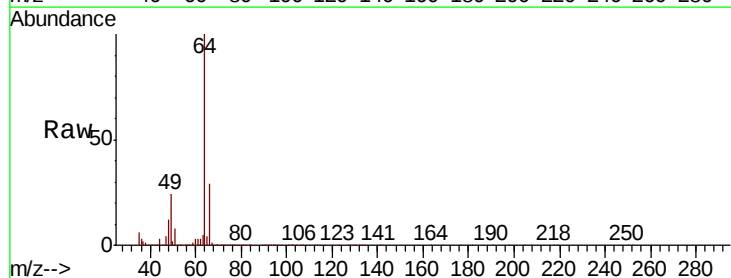
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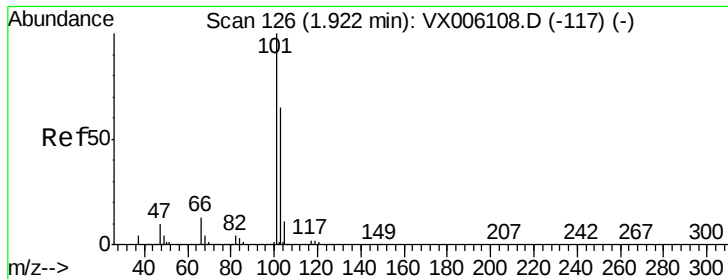
Tgt Ion: 64 Resp: 100061

Ion Ratio Lower Upper

64 100

66 30.3 25.1 37.7





#7

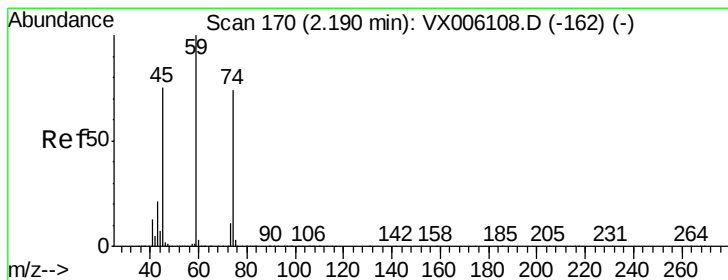
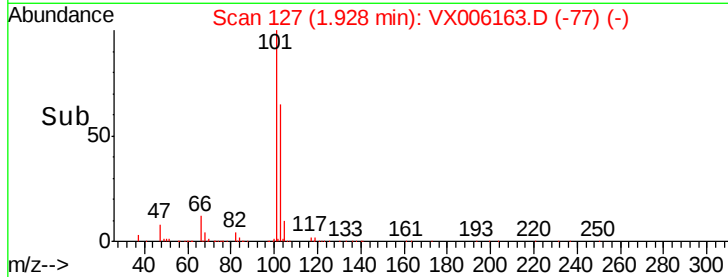
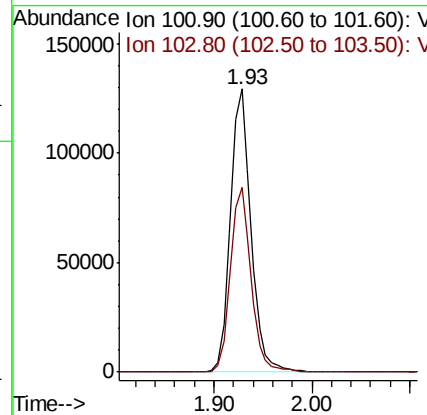
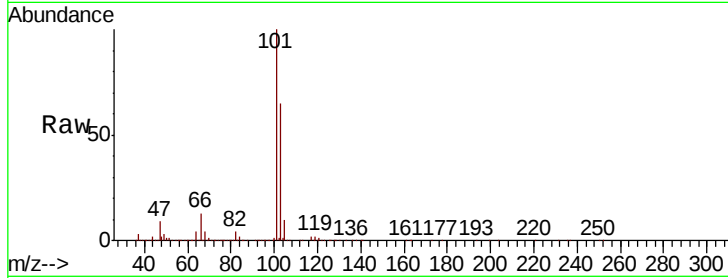
Trichlorofluoromethane
Concen: 51.511 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX006163.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.1	78.1

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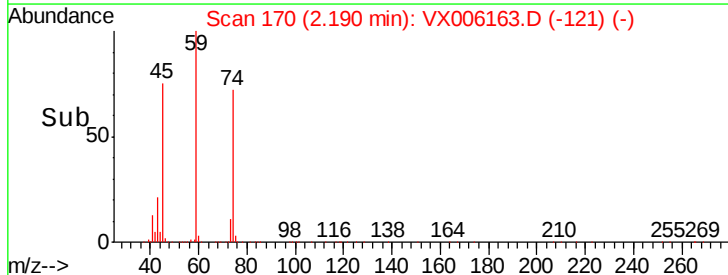
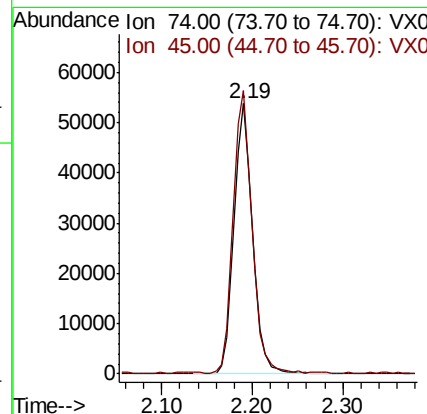
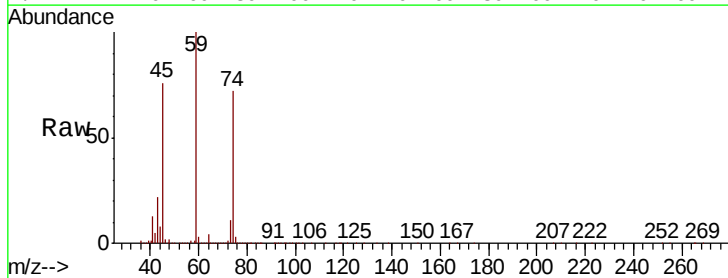
MMDadoda
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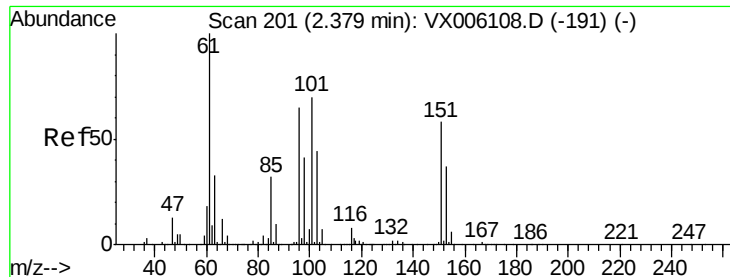


#8

Diethyl Ether
Concen: 49.695 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006163.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.2	52.2	156.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.895 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

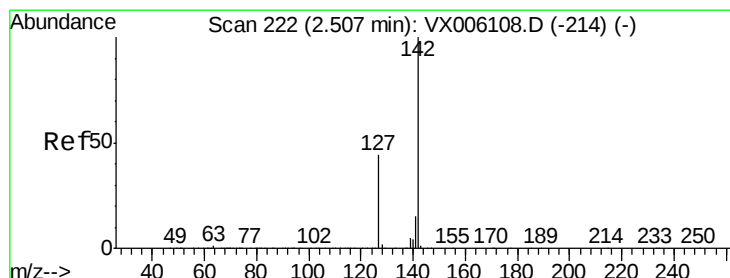
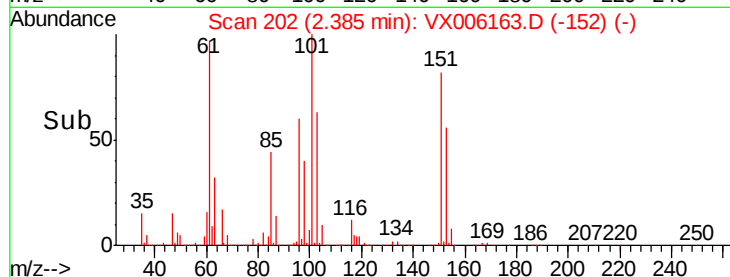
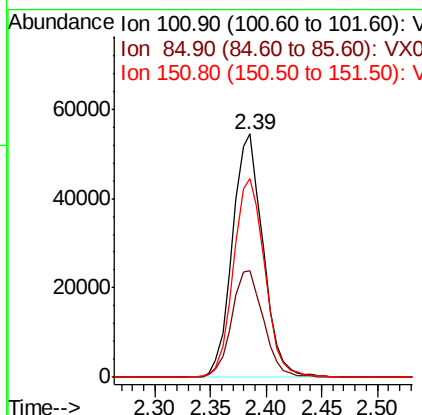
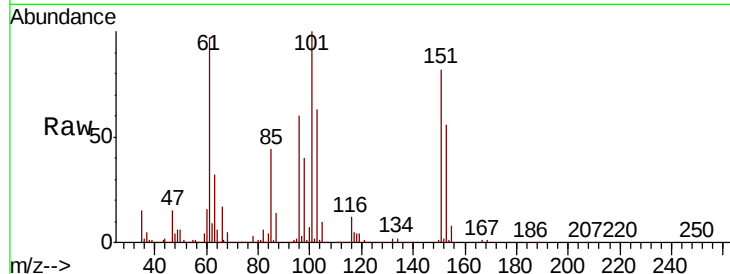
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	104020
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.0	54.0
151	83.5	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 25.145 ug/l

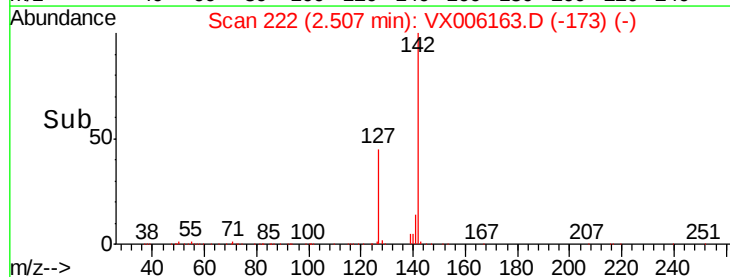
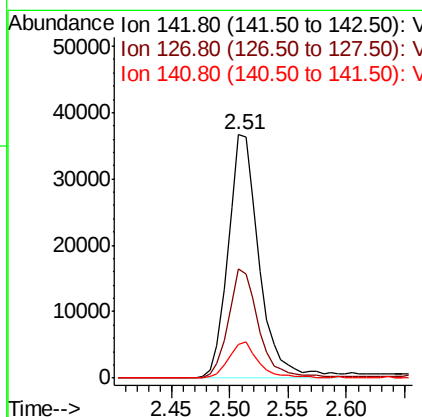
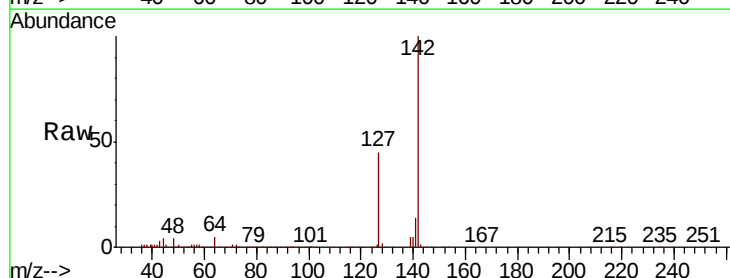
RT: 2.51 min Scan# 222

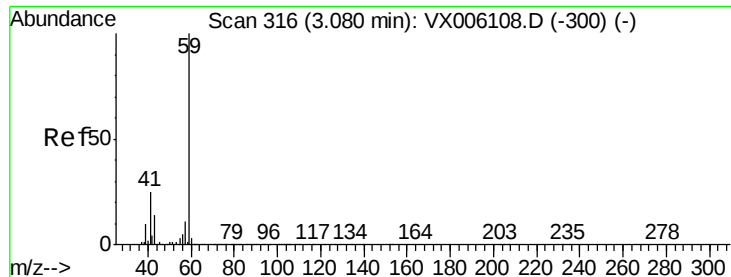
Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Tgt Ion:	142	Resp:	68468
Ion Ratio	Lower	Upper	
142	100		
127	44.3	36.0	54.0
141	14.4	11.7	17.5





#11

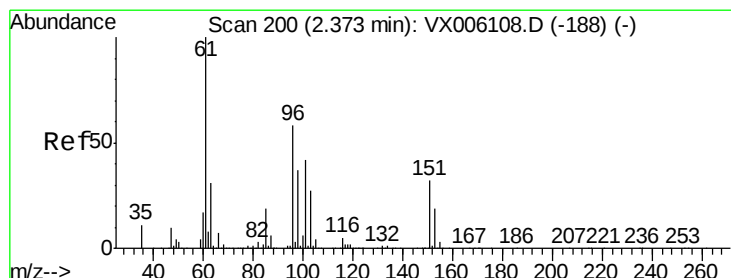
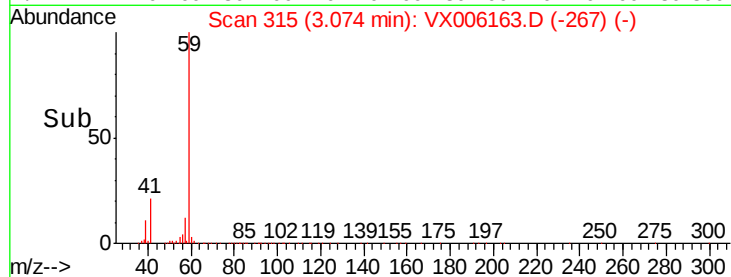
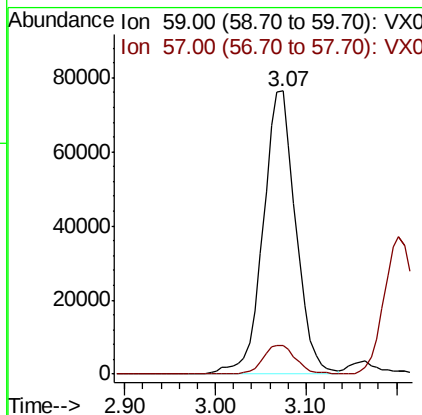
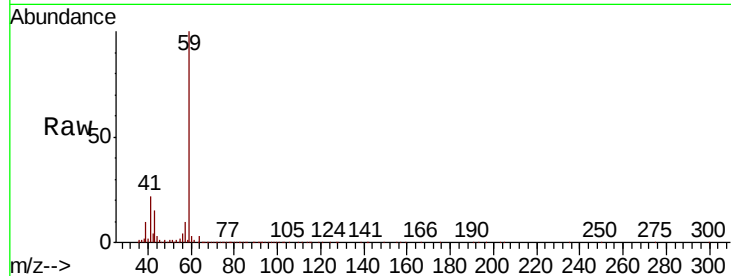
Tert butyl alcohol
 Concen: 261.565 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.7	13.1

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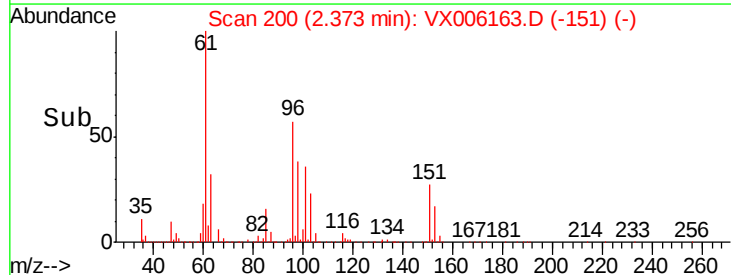
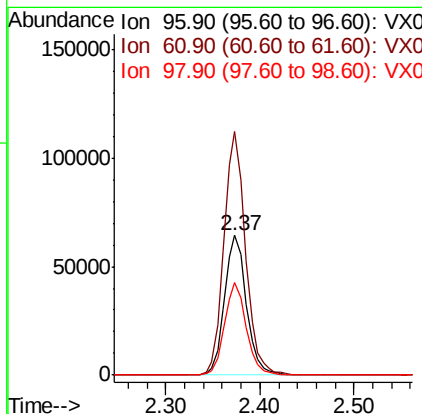
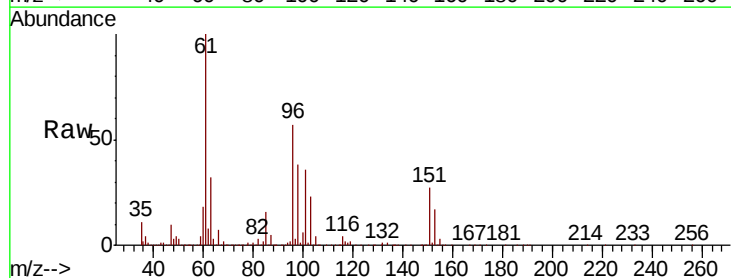
MMDadoda
 11/26/2018 9:49:40 AM

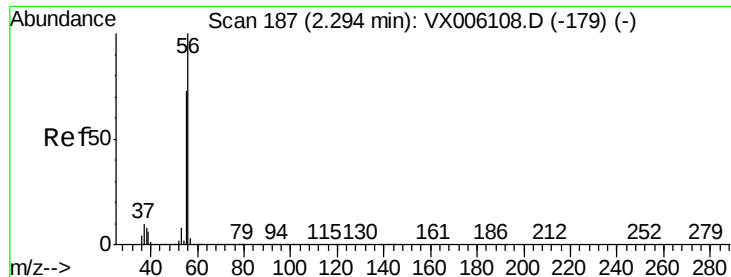


#12

1,1-Dichloroethene
 Concen: 48.930 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.4	138.2	207.4
98	66.1	51.3	76.9





#13

Acrolein

Concen: 189.132 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 81800

Ion Ratio Lower Upper

56 100

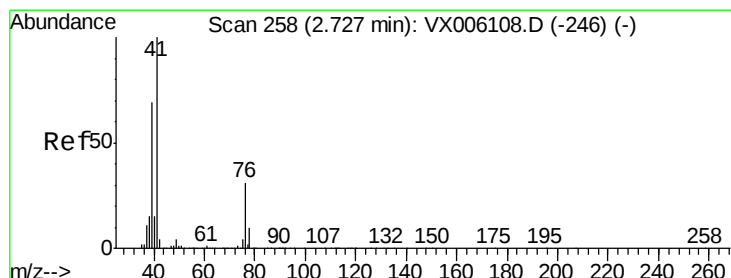
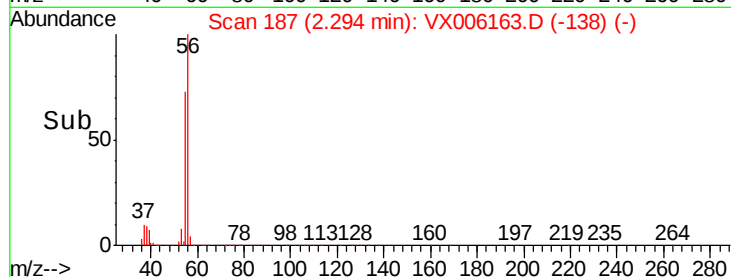
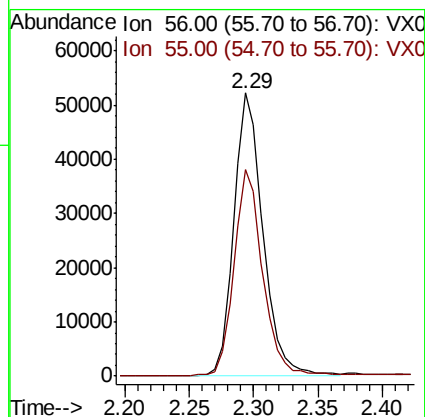
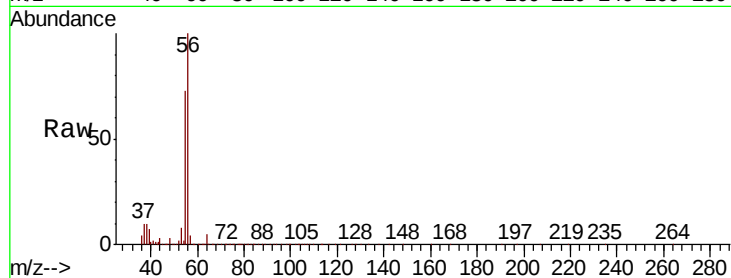
55 72.2 57.8 86.6

Manual Integrations

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MMDadoda

11/26/2018 9:49:40 AM



#14

Allyl chloride

Concen: 47.900 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

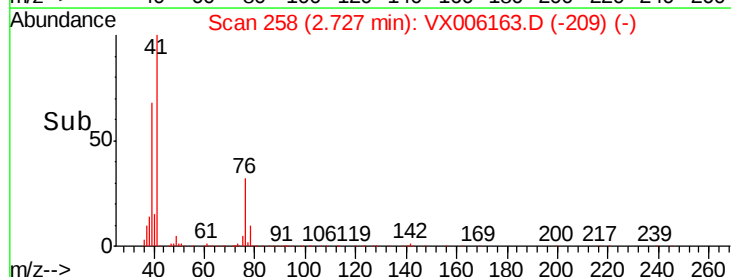
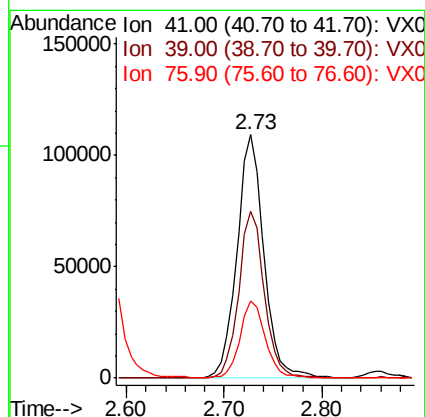
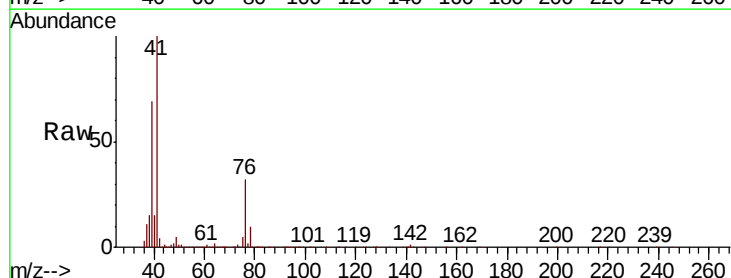
Tgt Ion: 41 Resp: 207488

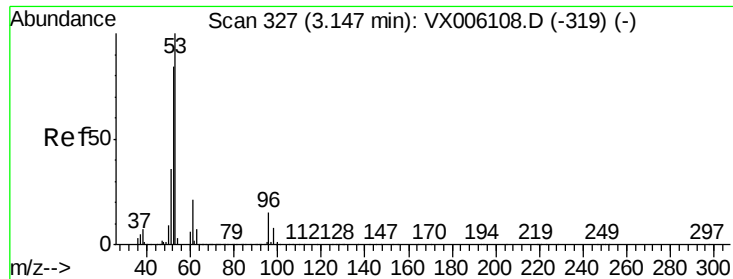
Ion Ratio Lower Upper

41 100

39 65.0 52.5 78.7

76 29.7 23.4 35.2





#15

Acrylonitrile

Concen: 249.066 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

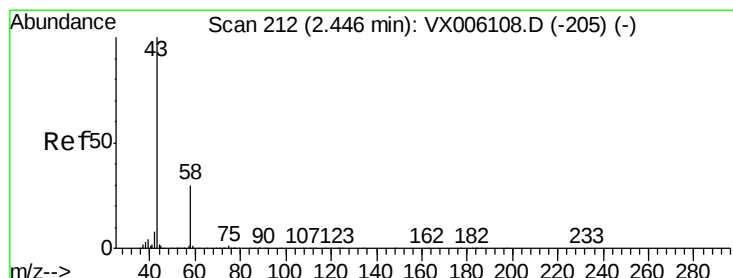
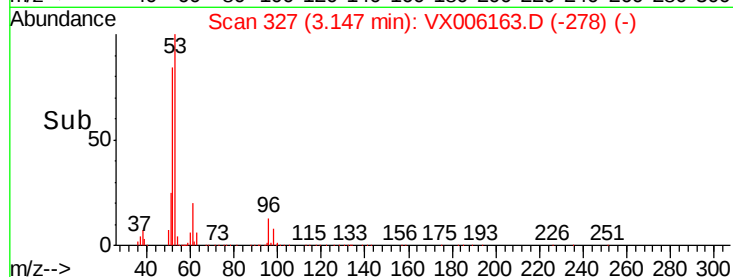
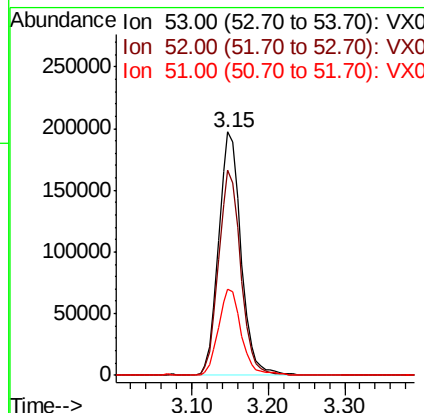
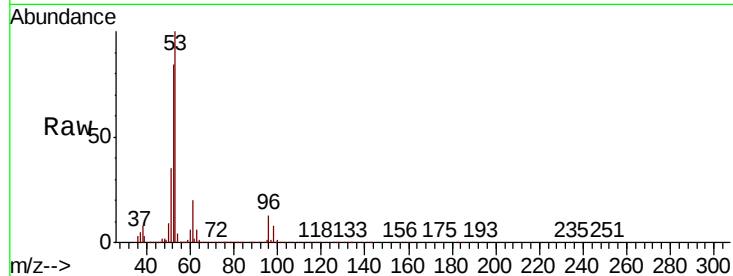
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	397620
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.4	99.6
51	36.1	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 244.155 ug/l

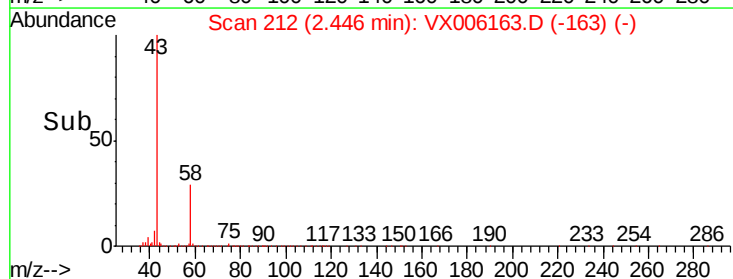
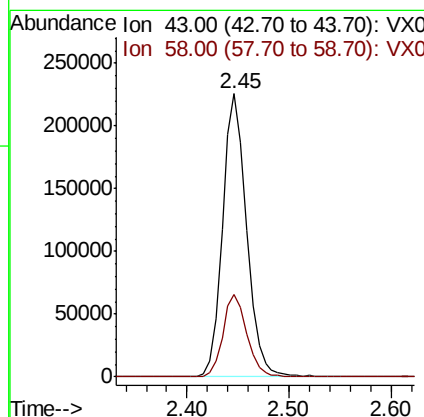
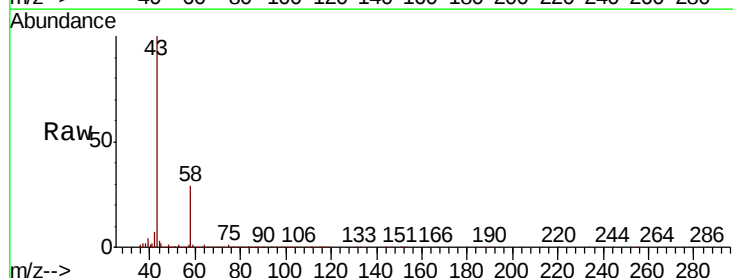
RT: 2.45 min Scan# 212

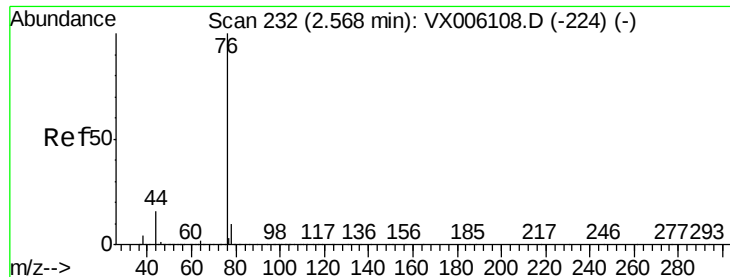
Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Tgt Ion	43	Resp	368114
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.8	35.8





#17

Carbon Disulfide

Concen: 72.561 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 414825

Ion Ratio Lower Upper

76 100

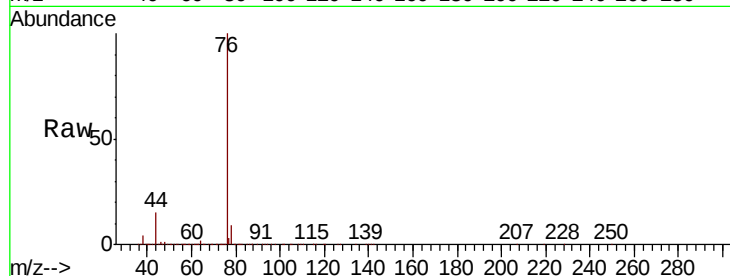
78 8.9 7.7 11.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

150000

100000

50000

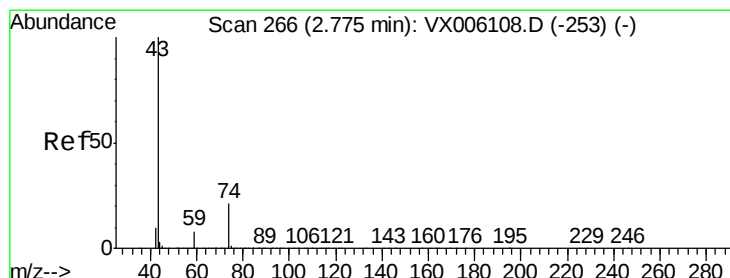
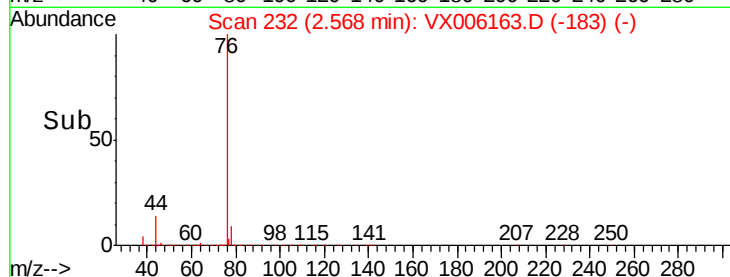
0

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 52.930 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006163.D

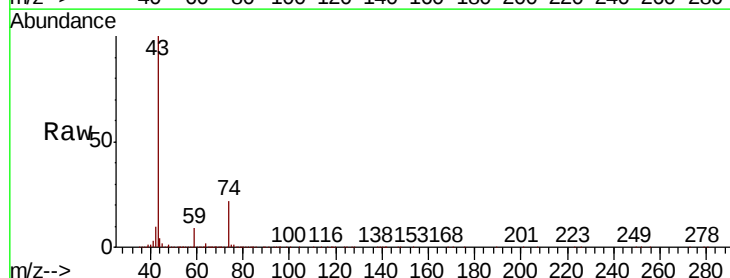
Acq: 22 Nov 2018 09:48

Tgt Ion: 43 Resp: 204649

Ion Ratio Lower Upper

43 100

74 20.9 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

100000

50000

0

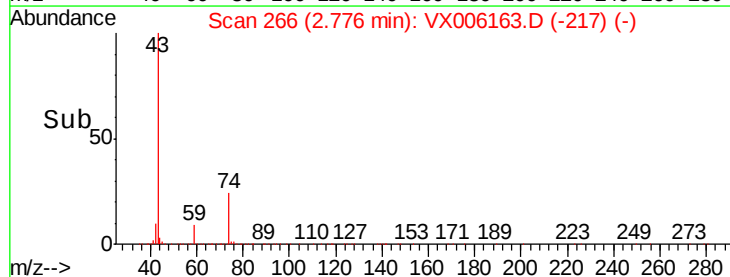
2.70

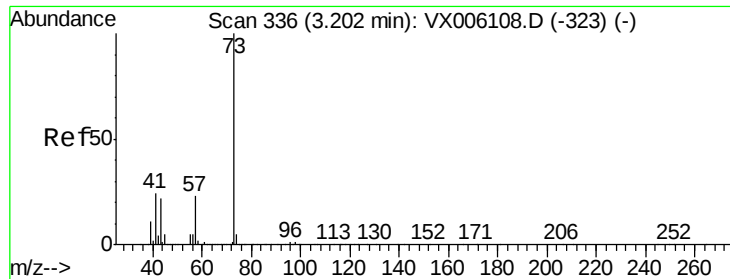
2.75

2.80

2.85

Time-->





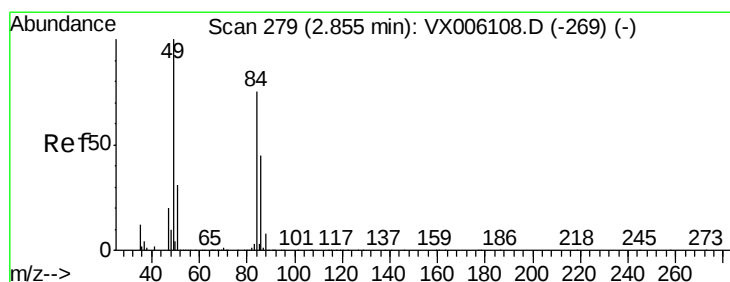
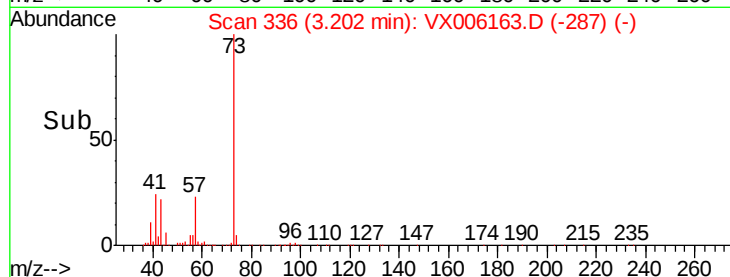
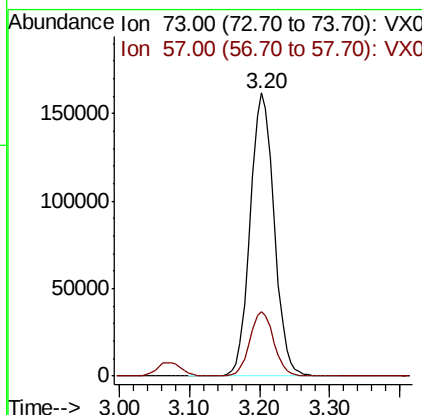
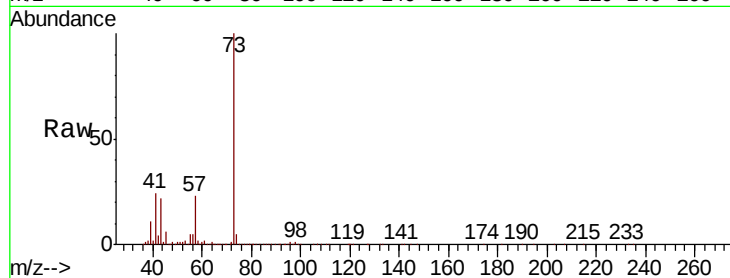
#19
Methvl tert-butvl Ether
Concen: 52.646 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.2	27.4

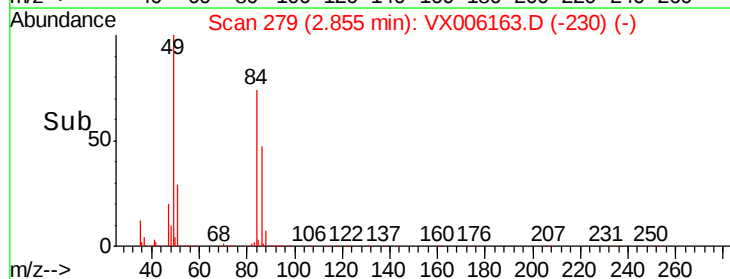
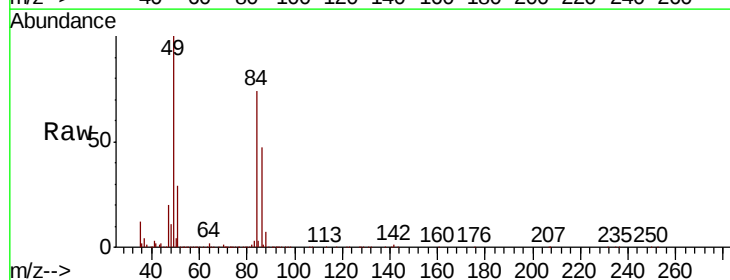
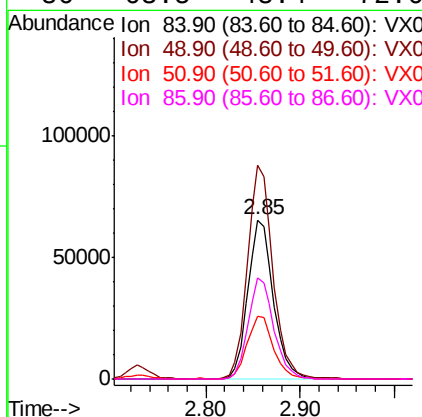
Manual Integrations
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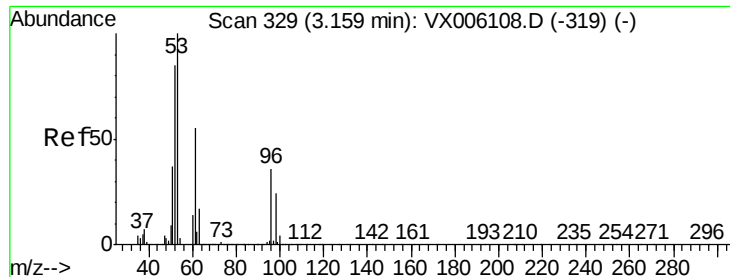
MMDadoda
11/26/2018 9:49:40 AM



#20
Methylene Chloride
Concen: 54.649 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.4	106.6	159.8
51	39.4	32.6	49.0
86	63.5	48.4	72.6





#21

trans-1,2-Dichloroethene

Concen: 51.963 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

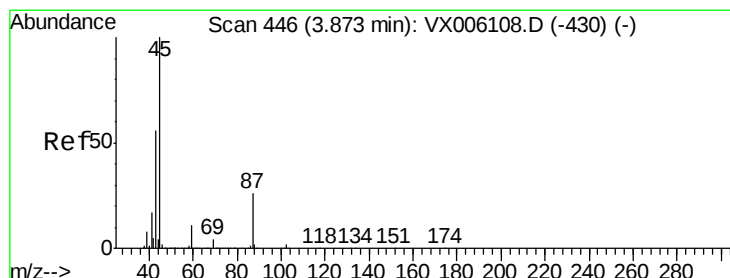
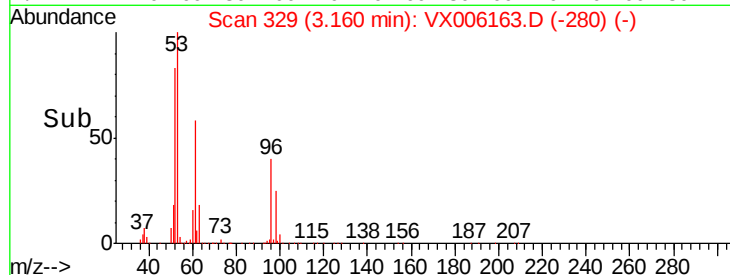
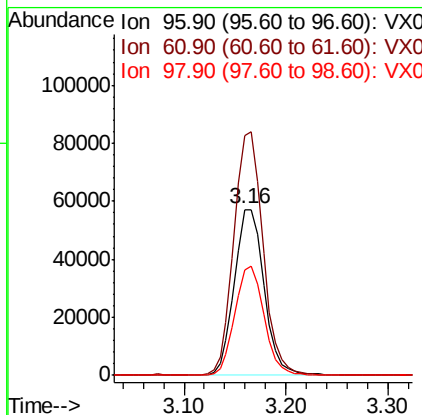
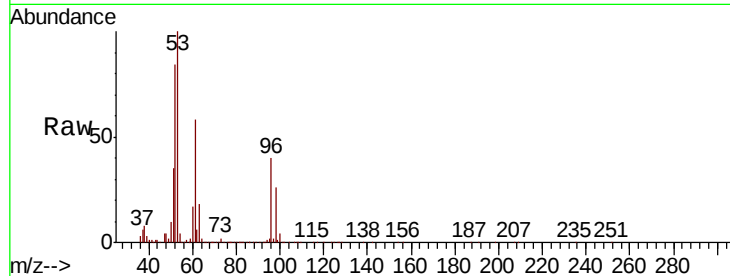
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	115110
Ion	Ratio	Lower	Upper
96	100		
61	145.1	122.0	183.0
98	64.0	52.7	79.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.242 ug/l

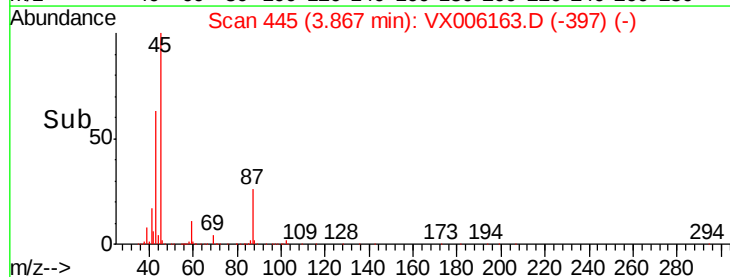
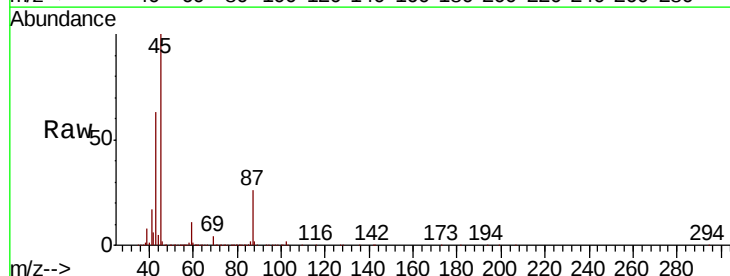
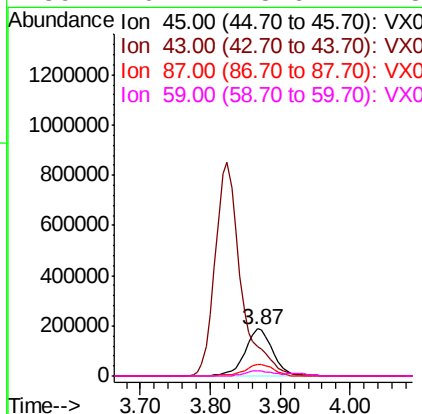
RT: 3.87 min Scan# 445

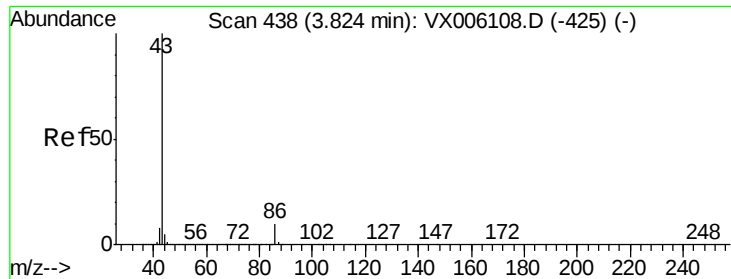
Delta R.T. -0.01 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Tgt Ion:	45	Resp:	512250
Ion	Ratio	Lower	Upper
45	100		
43	62.7	45.8	68.8
87	25.5	21.0	31.4
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 285.706 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2197965

Ion Ratio Lower Upper

43 100

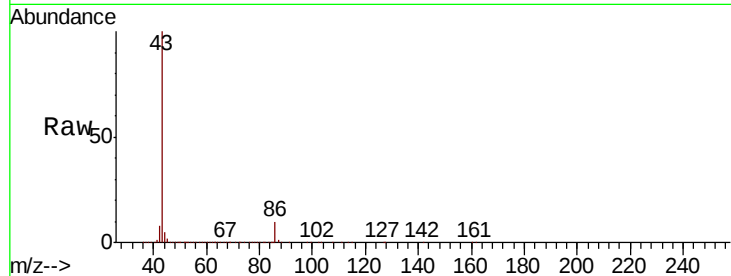
86 9.7 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

800000

600000

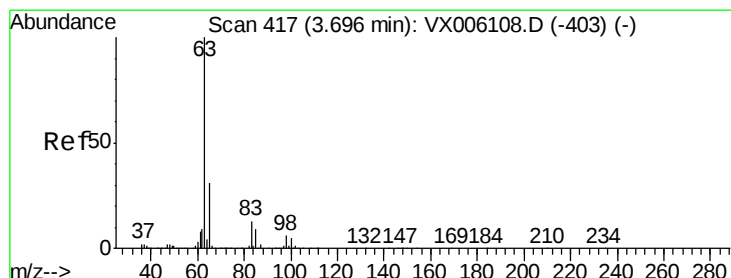
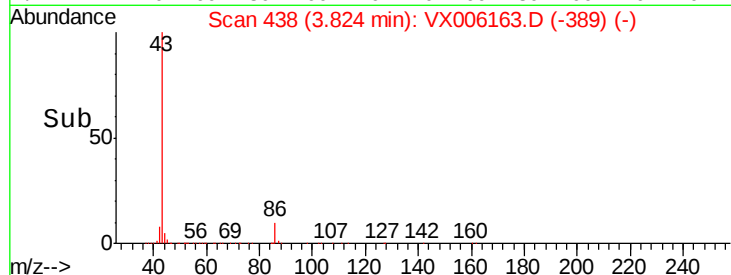
400000

200000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 51.711 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

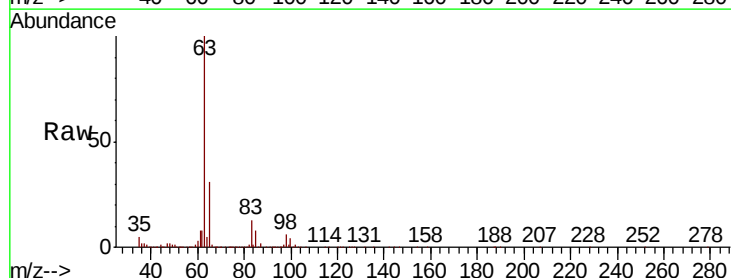
Tgt Ion: 63 Resp: 225904

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 3.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

60000

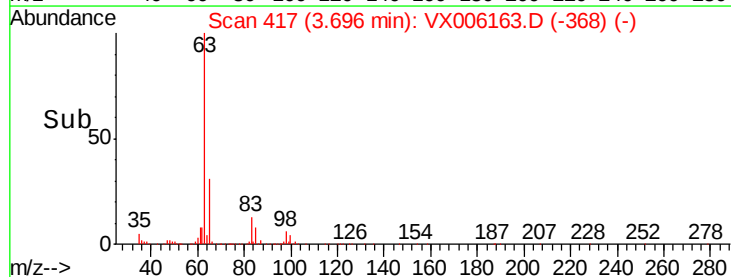
40000

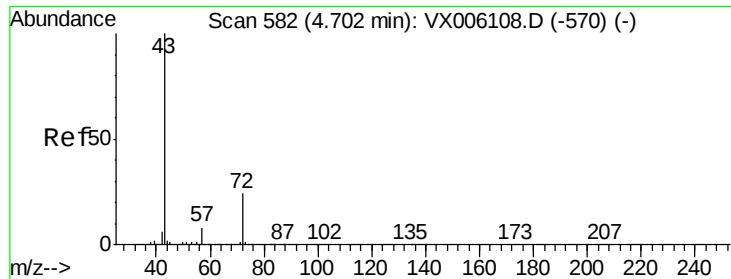
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 251.555 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 703977

Ion Ratio Lower Upper

43 100

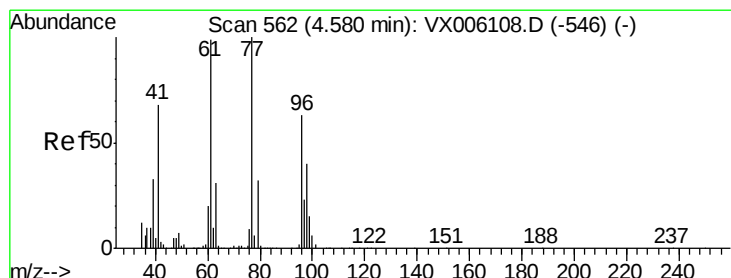
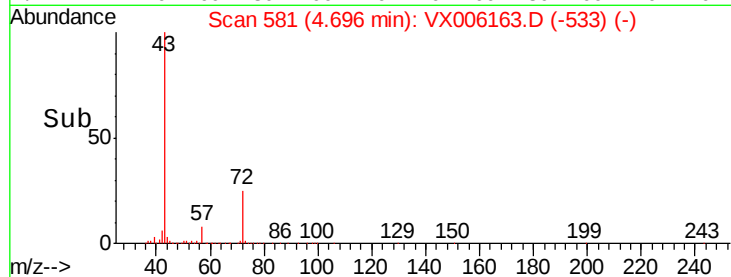
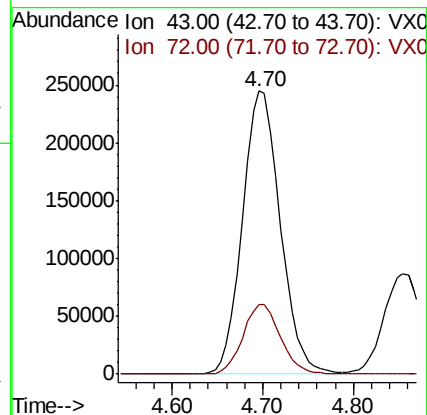
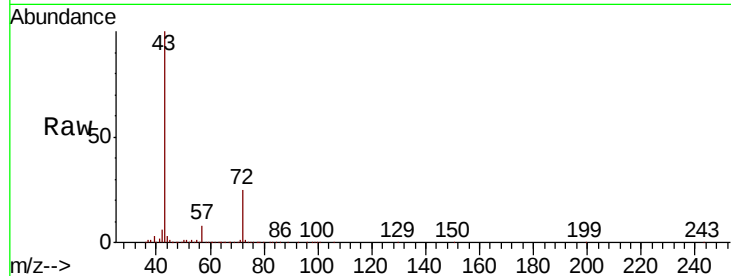
72 24.6 19.2 28.8

Manual Integrations

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11/26/2018 9:49:40 AM



#26

2,2-Dichloropropane

Concen: 37.540 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006163.D

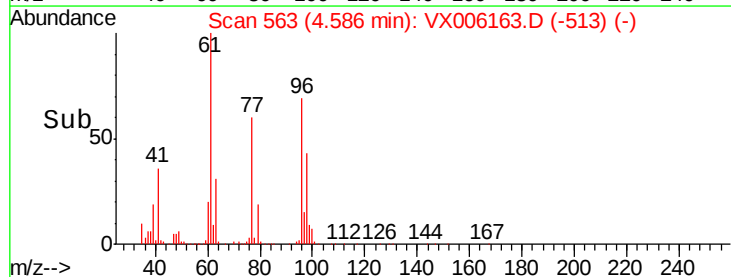
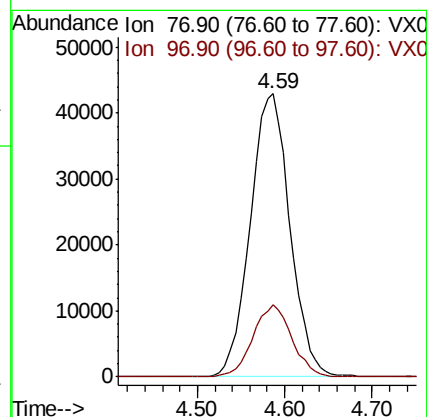
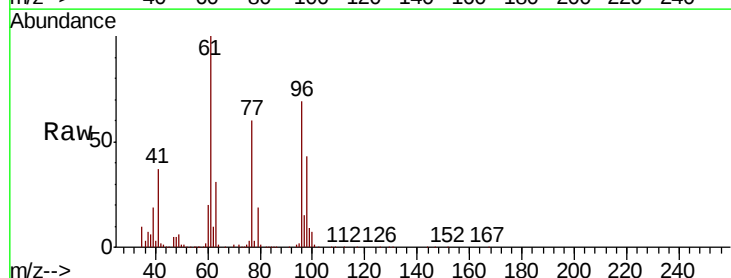
Acq: 22 Nov 2018 09:48

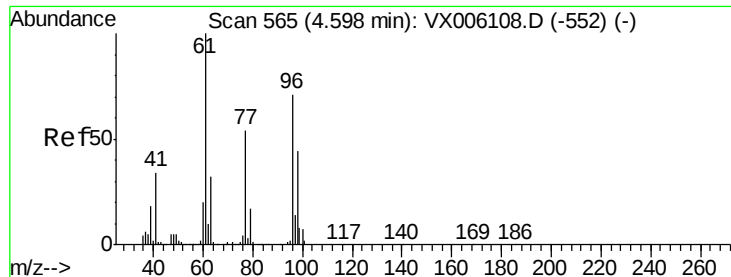
Tgt Ion: 77 Resp: 135167

Ion Ratio Lower Upper

77 100

97 25.1 11.9 35.5





#27

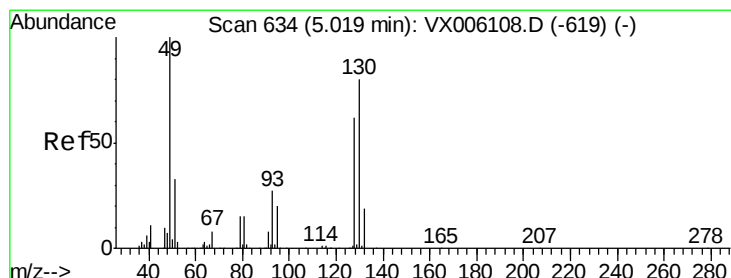
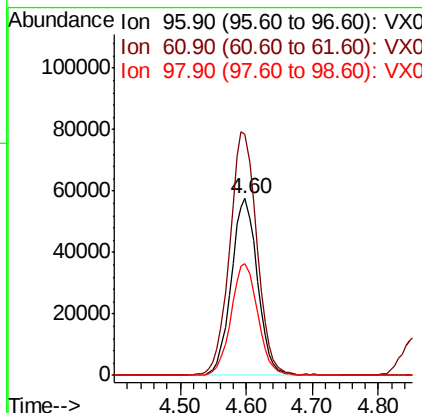
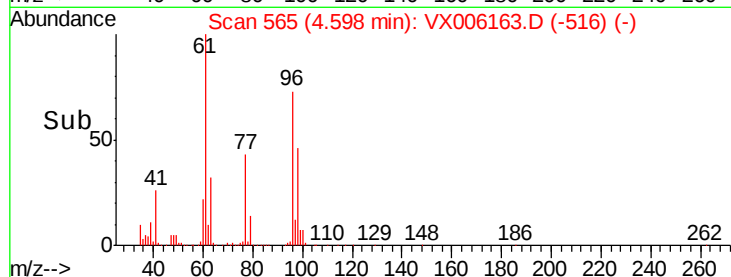
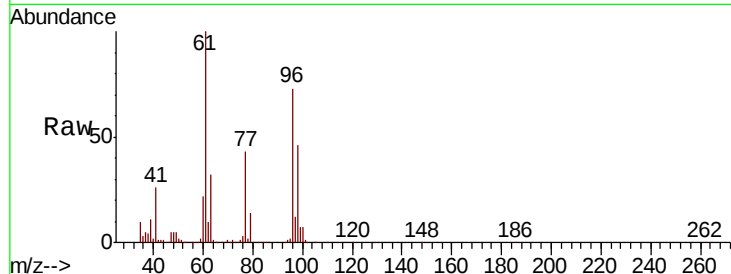
cis-1,2-Dichloroethene
Concen: 51.069 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	291.6
98	64.4	0.0	128.2

Manual Integrations
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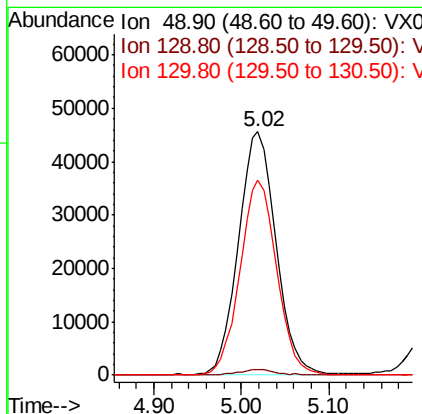
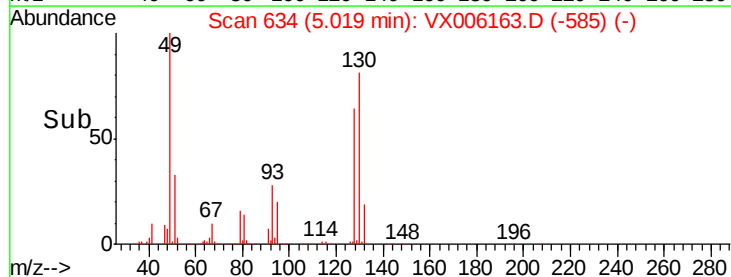
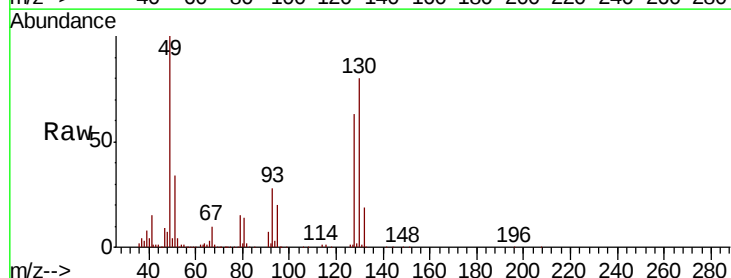
MMDadoda
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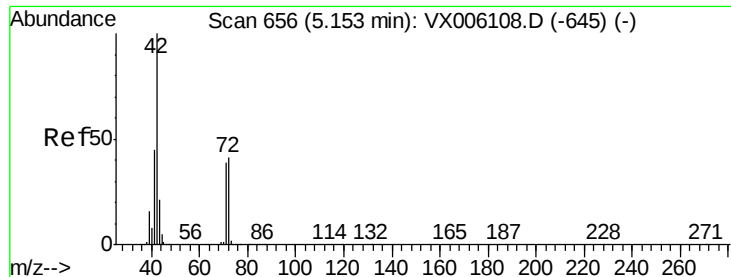


#28

Bromochloromethane
Concen: 52.999 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	78.9	61.6	92.4





#29

Tetrahydrofuran

Concen: 259.966 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

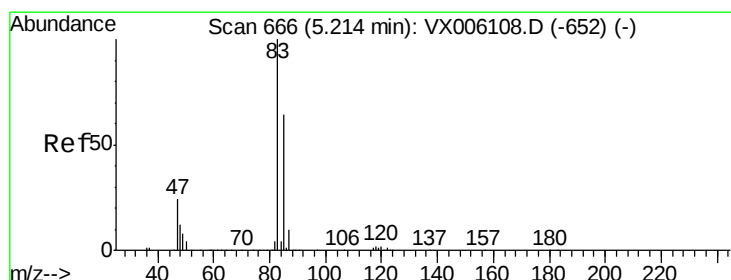
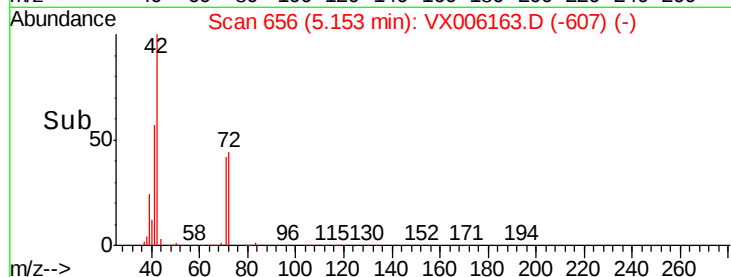
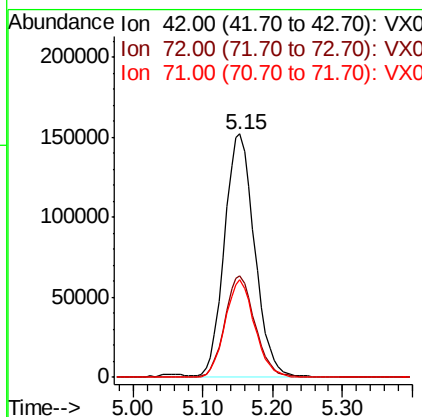
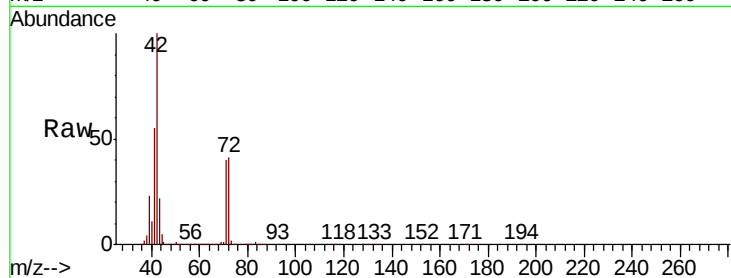
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	453836
Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.0	49.6
71	39.4	31.0	46.4

Manual Integrations
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#30

Chloroform

Concen: 51.285 ug/l

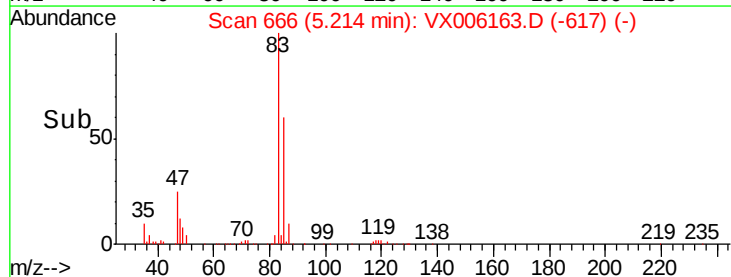
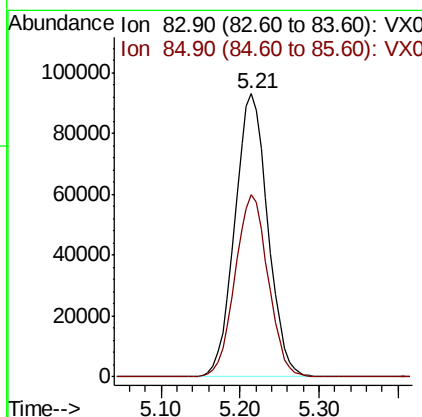
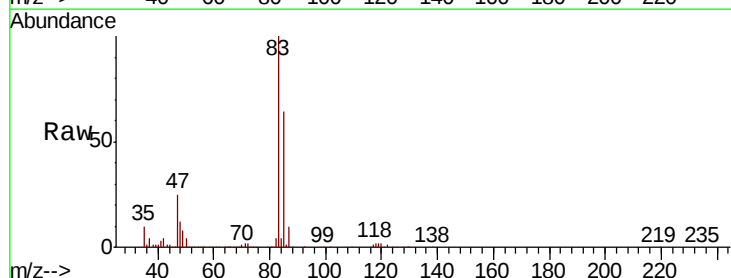
RT: 5.21 min Scan# 666

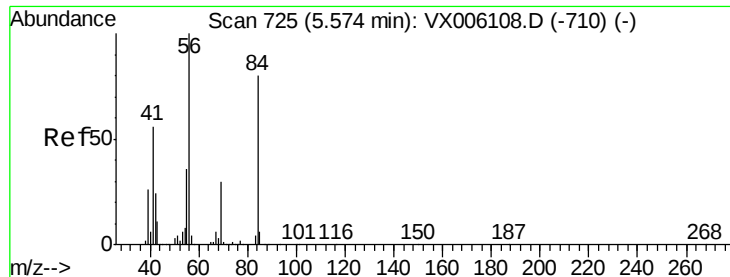
Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Tgt Ion:	83	Resp:	271501
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4





#31

Cyclohexane

Concen: 50.813 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

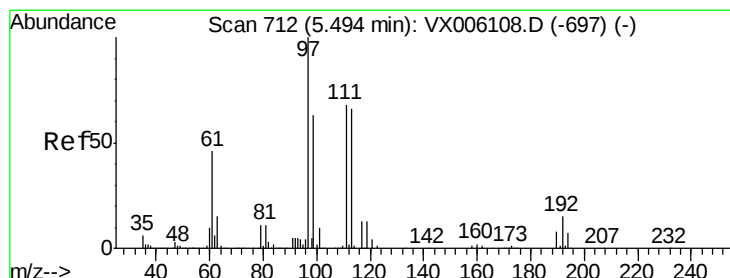
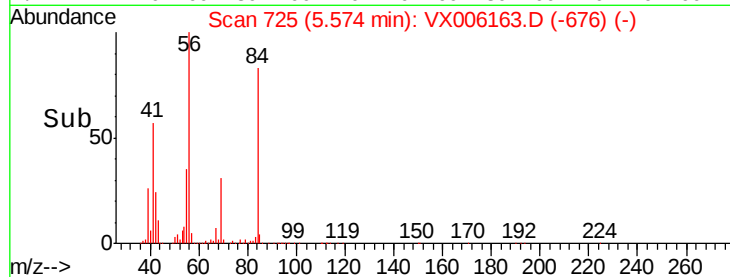
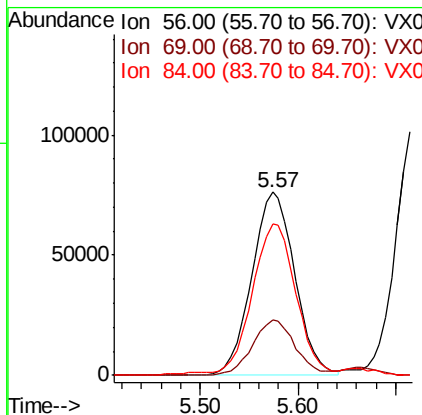
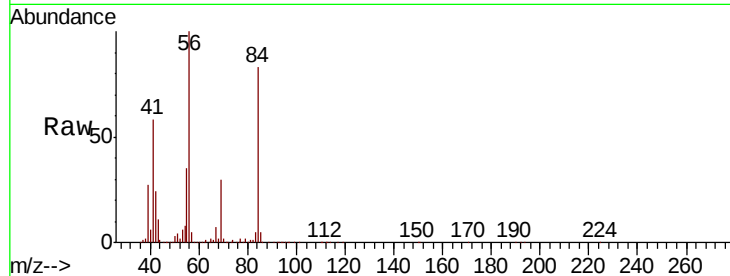
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	231871
Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.9	35.9
84	80.8	63.6	95.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.823 ug/l

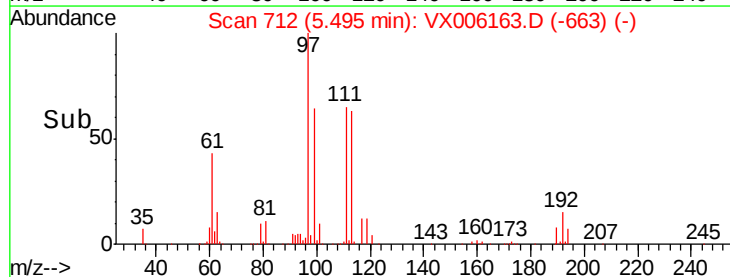
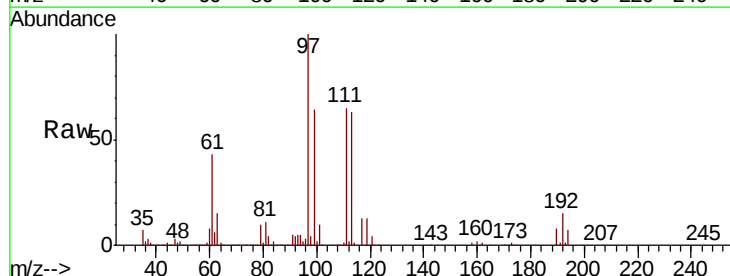
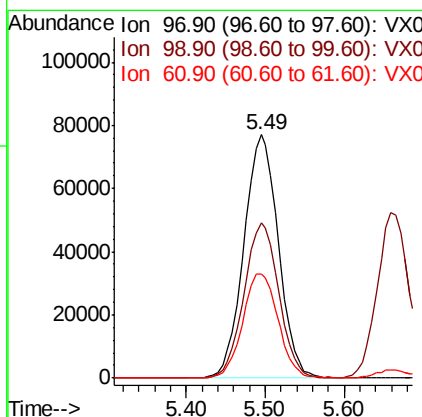
RT: 5.49 min Scan# 712

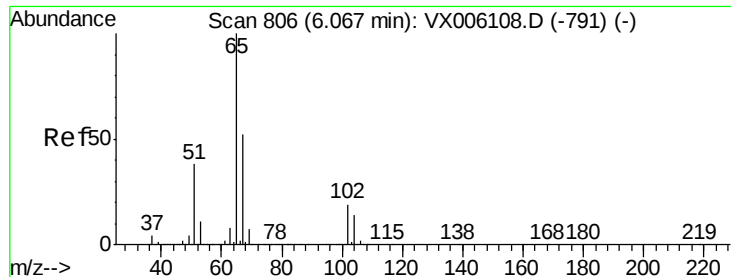
Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Tgt Ion:	97	Resp:	234351
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	44.1	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 52.465 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 178260

Ion Ratio Lower Upper

65 100

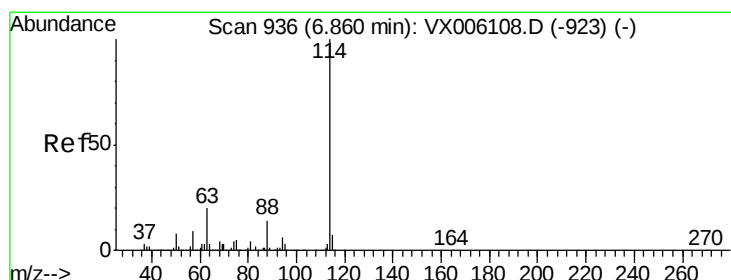
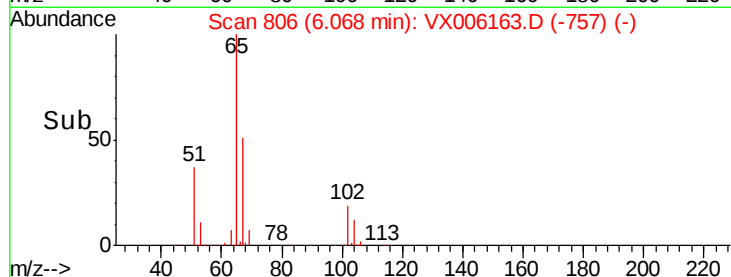
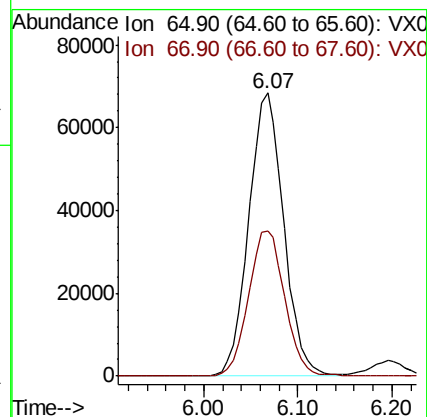
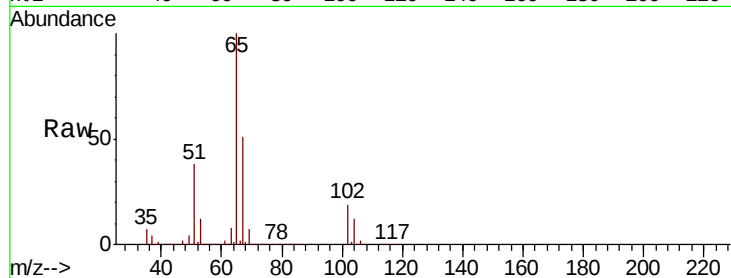
67 53.1 0.0 105.8

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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: VX006163.D

Acq: 22 Nov 2018 09:48

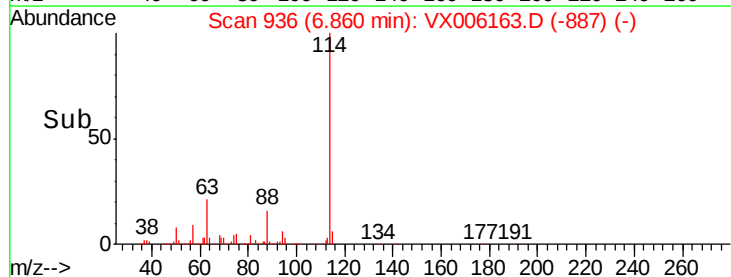
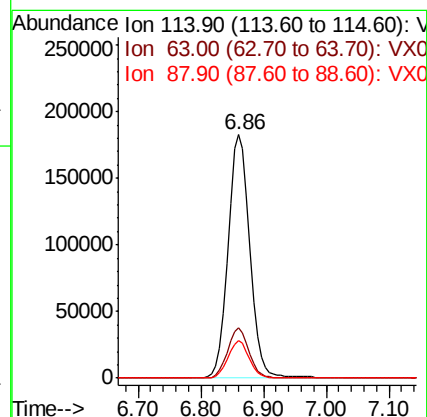
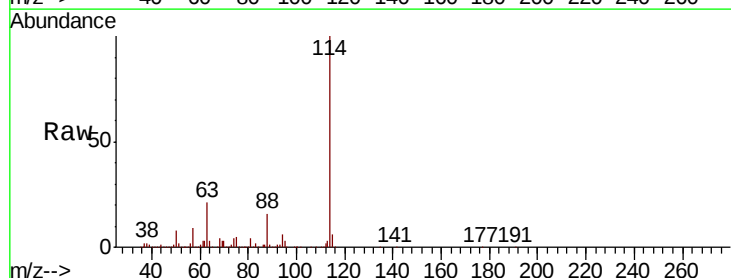
Tgt Ion: 114 Resp: 438026

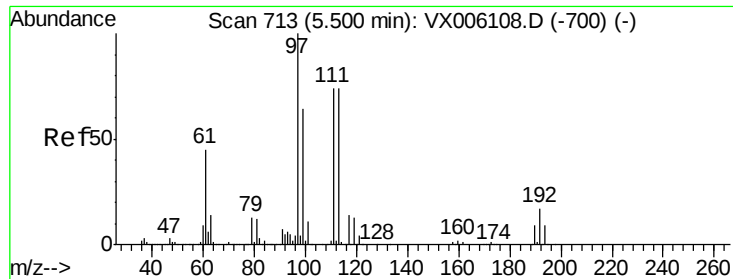
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.2

88 15.6 0.0 28.6





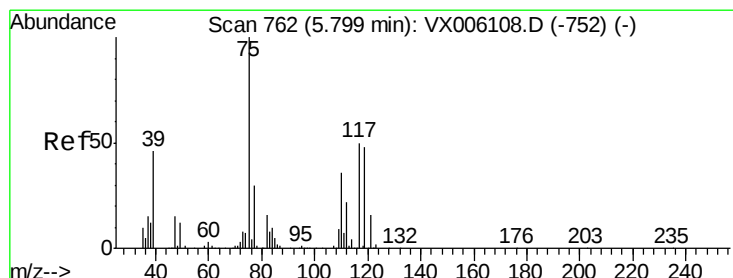
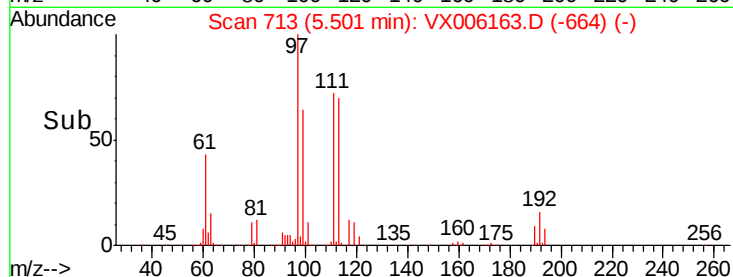
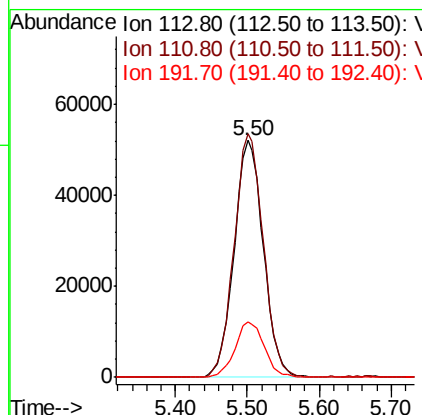
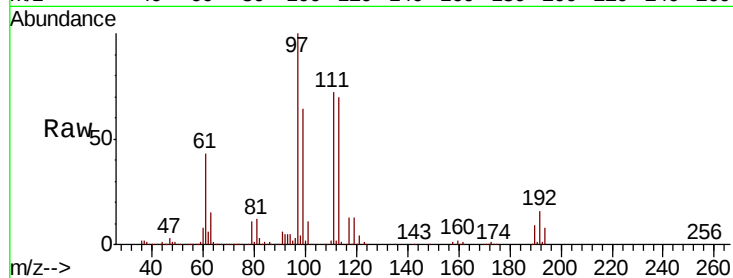
#35
 Dibromofluoromethane
 Concen: 52.287 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.5	122.3
192	23.3	18.6	28.0

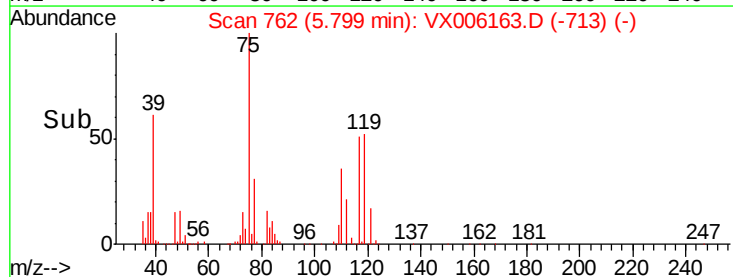
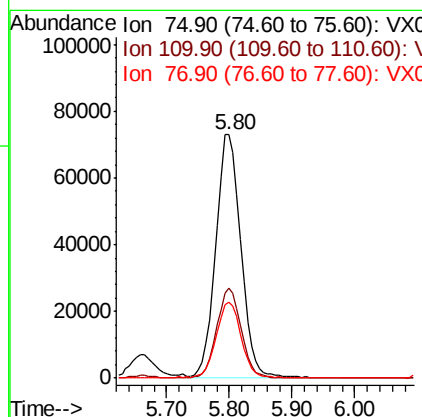
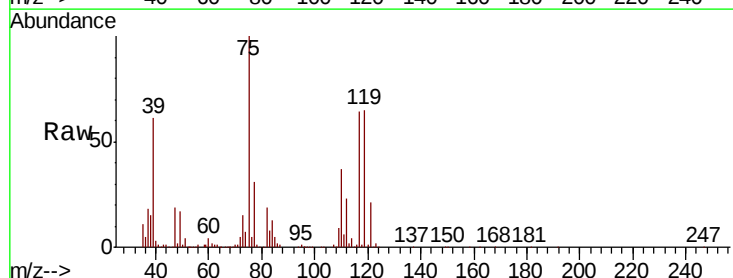
Manual Integrations
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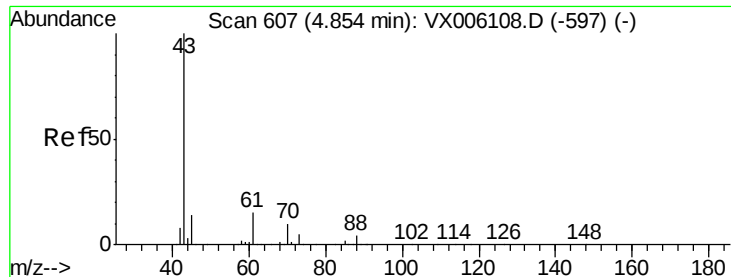
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#36
 1,1-Dichloropropene
 Concen: 50.661 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.8	53.3
77	30.7	24.5	36.7





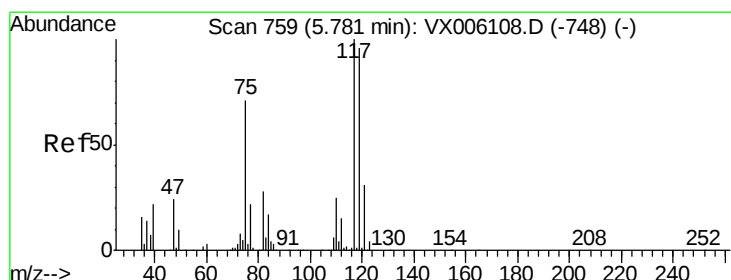
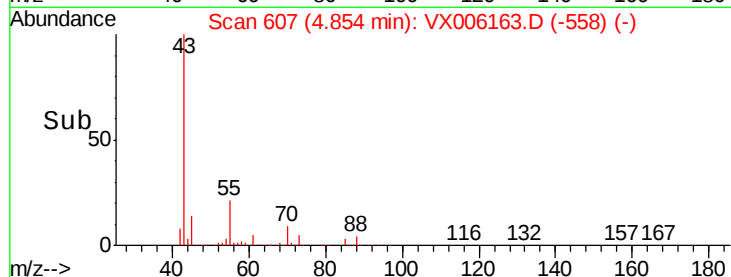
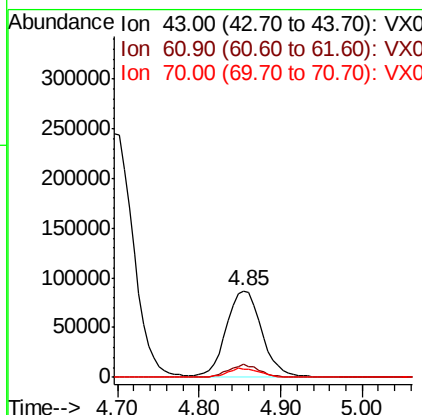
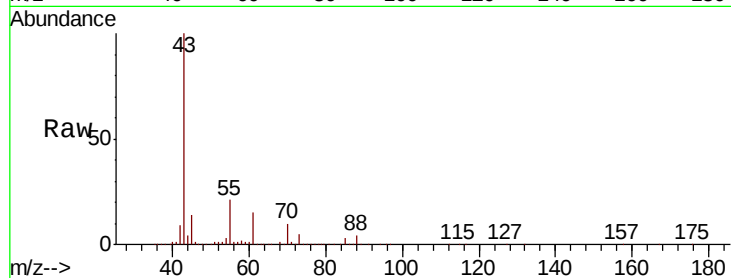
#37
Ethyl Acetate
Concen: 50.813 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.7	7.9	11.9

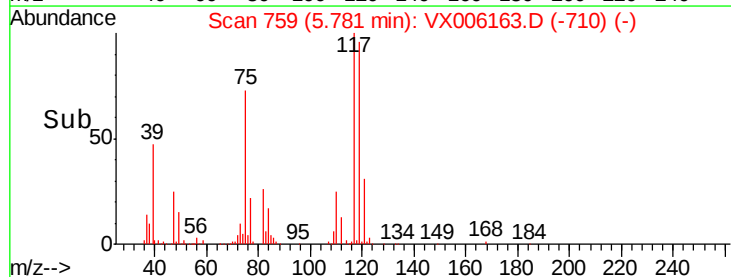
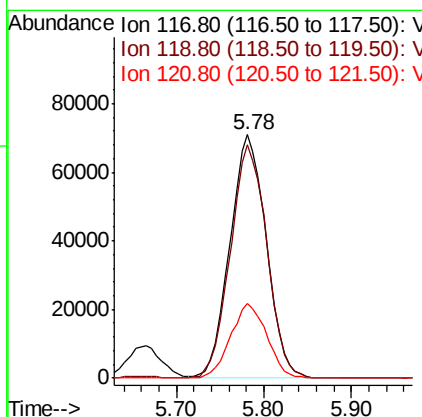
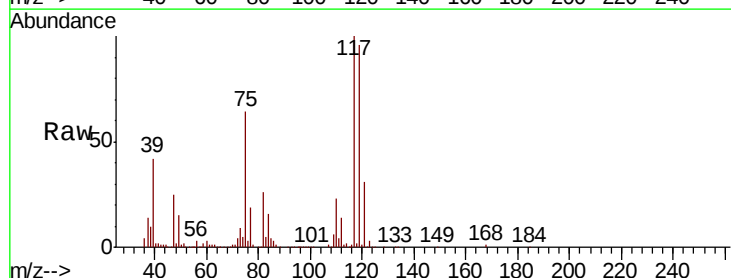
Manual Integrations
APPROVED

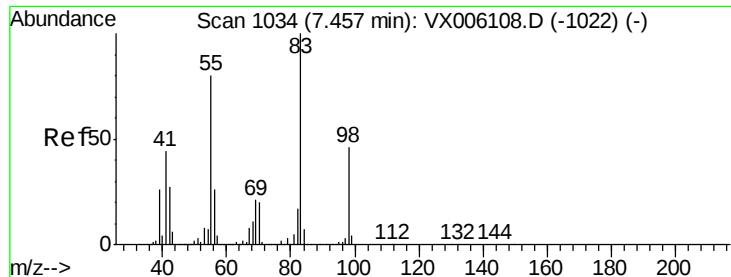
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#38
Carbon Tetrachloride
Concen: 54.576 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.3	114.5
121	30.9	24.7	37.1





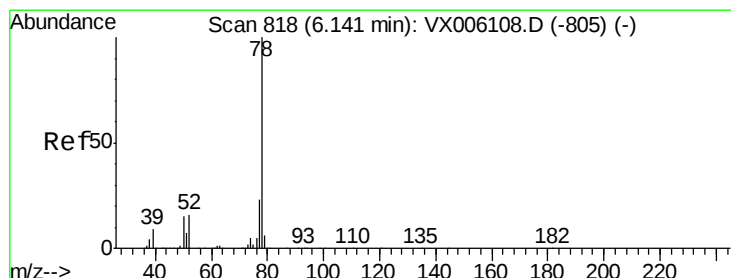
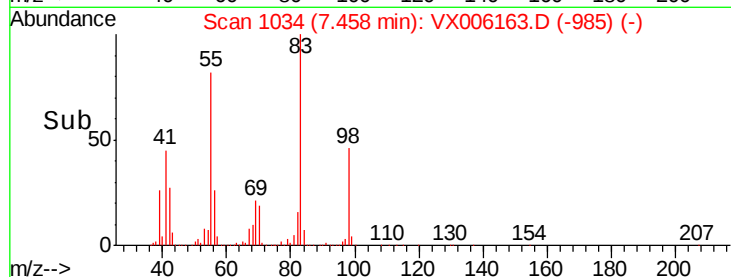
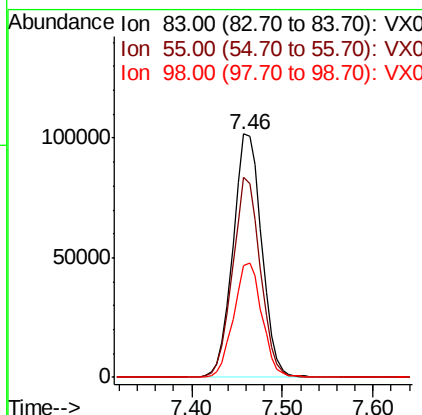
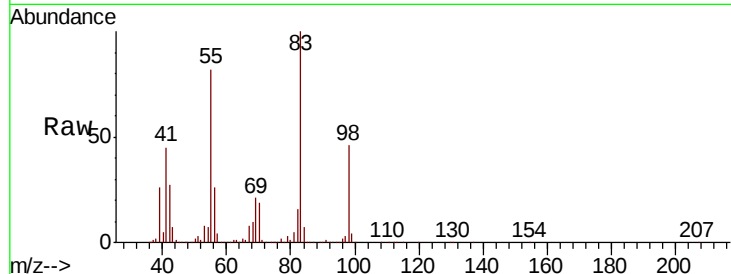
#39
Methvlcvclohexane
Concen: 49.297 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.9	95.9
98	46.0	36.8	55.2

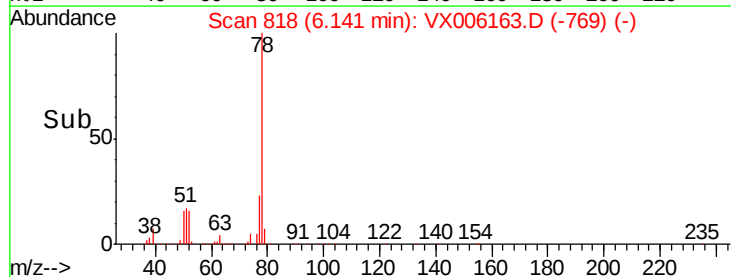
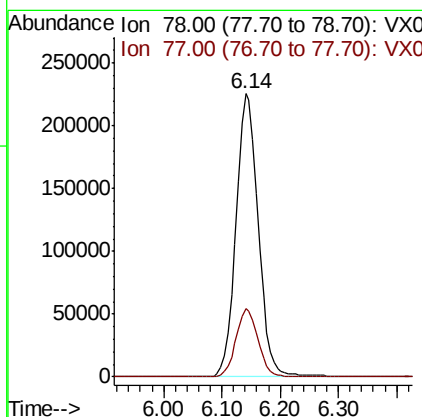
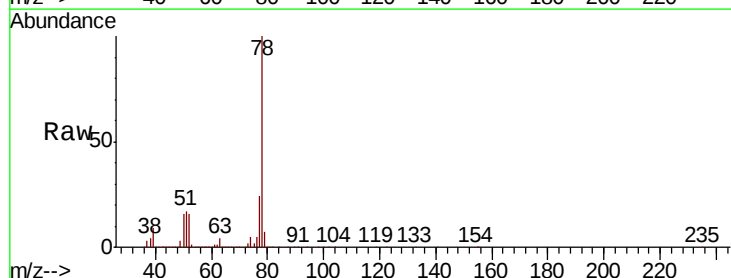
Manual Integrations
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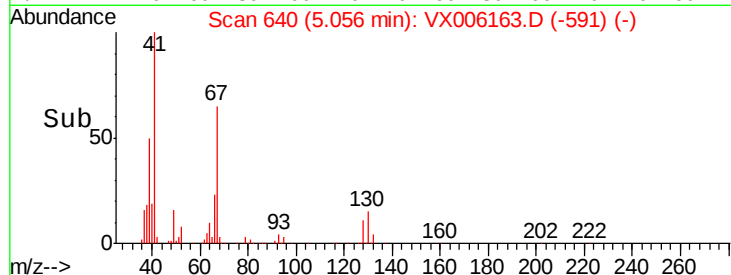
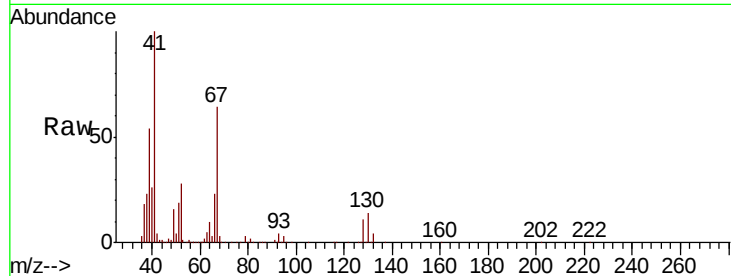
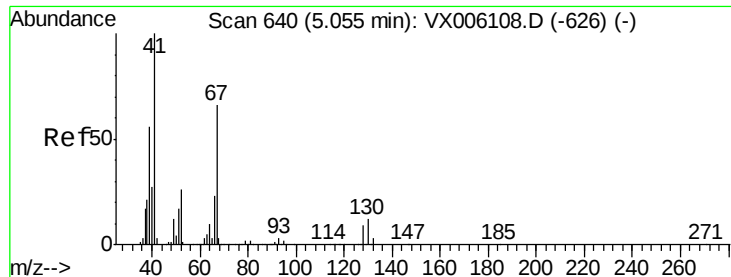
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#40
Benzene
Concen: 51.017 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

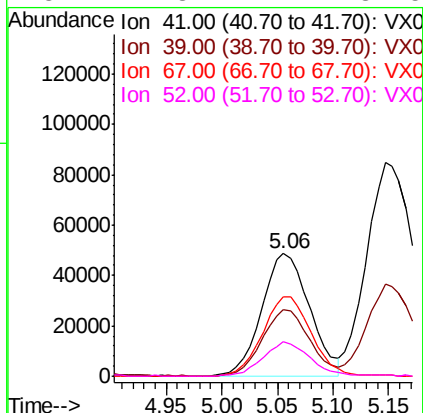
Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





#41
Methacrylonitrile
Concen: 51.522 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

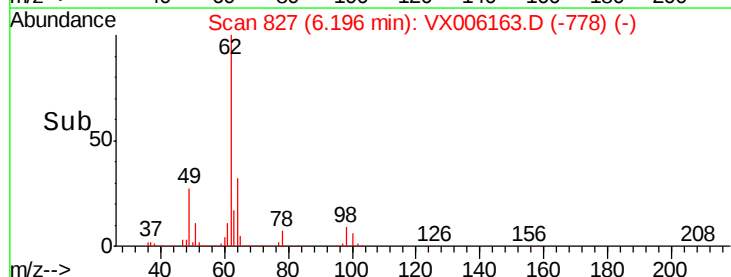
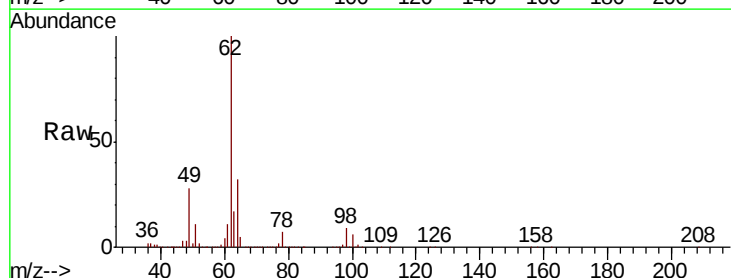
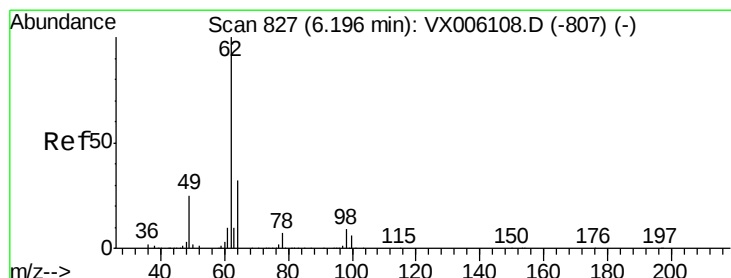
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	44.1	66.1	
67	66.5	54.1	81.1	
52	27.3	21.7	32.5	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

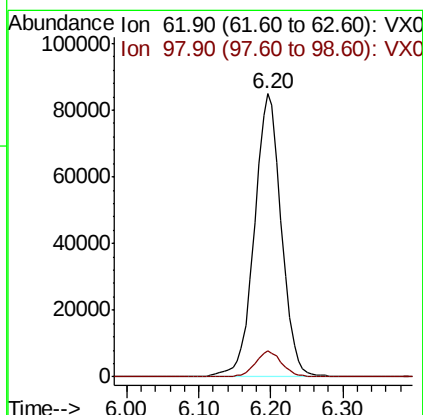
Manual Integrations
APPROVED

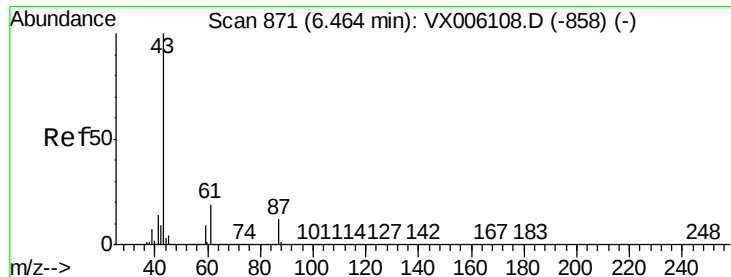
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.021 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	17.8	





#43

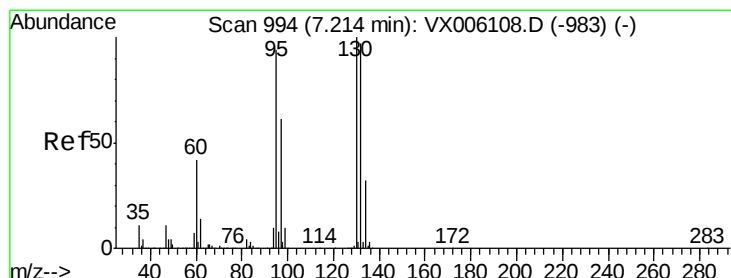
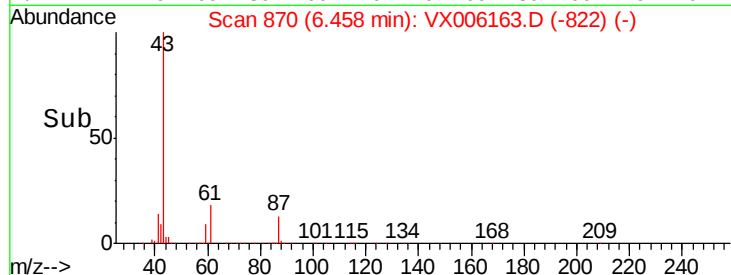
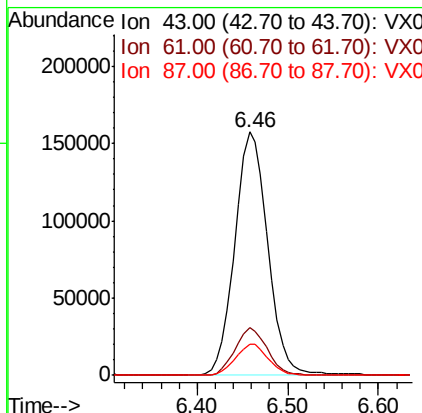
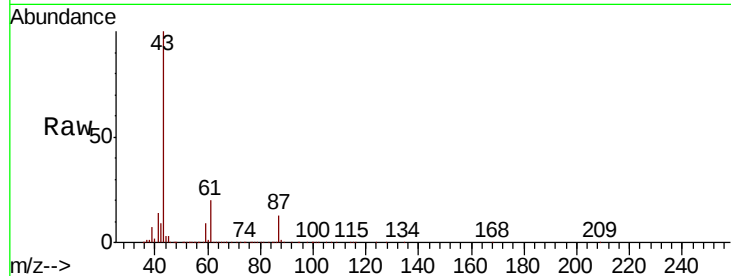
Isopropyl Acetate
 Concen: 53.267 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	394391
Ion Ratio	Lower	Upper	
43	100		
61	19.1	15.2	22.8
87	12.8	9.6	14.4

Manual Integrations
 APPROVED

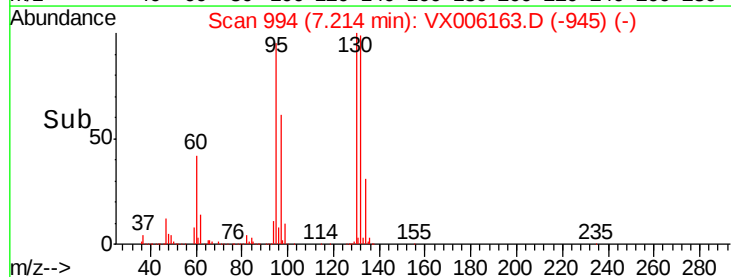
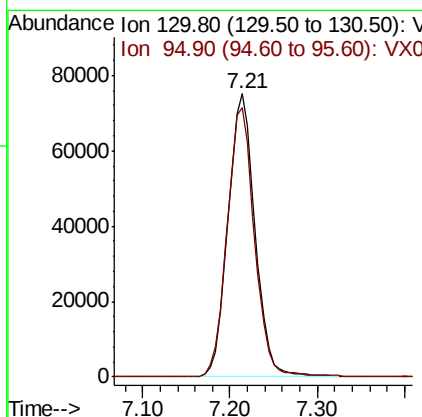
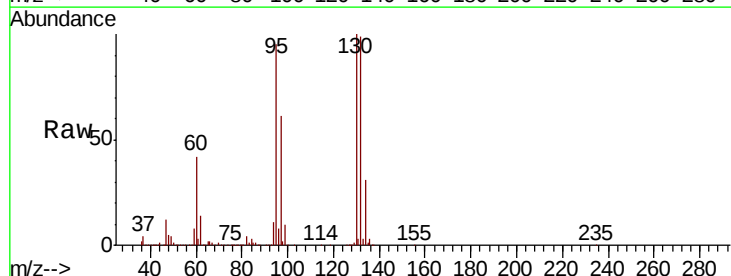
MMDadoda
 11/26/2018 9:49:40 AM

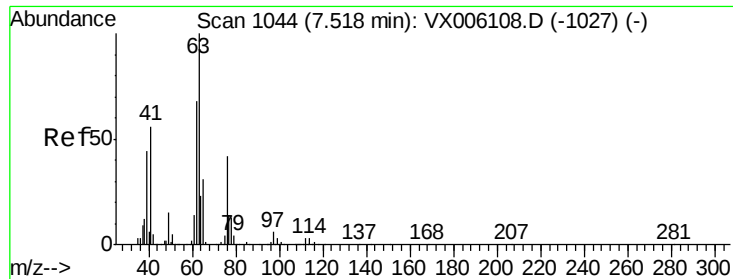


#44

Trichloroethene
 Concen: 49.479 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Tgt Ion	130	Resp	161453
Ion Ratio	Lower	Upper	
130	100		
95	95.1	0.0	188.8





#45

1,2-Dichloropropane

Concen: 52.160 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 162064

Ion Ratio Lower Upper

63 100

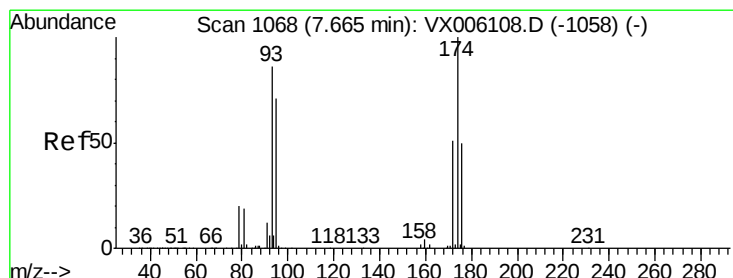
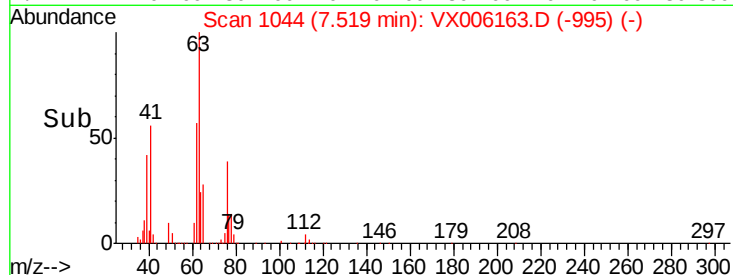
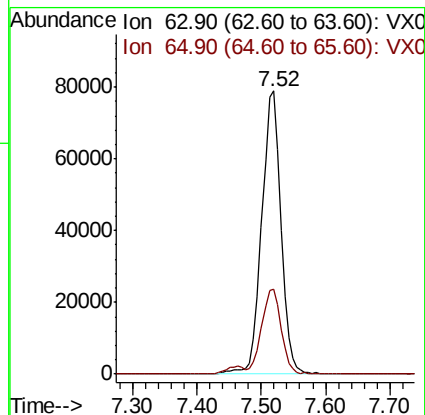
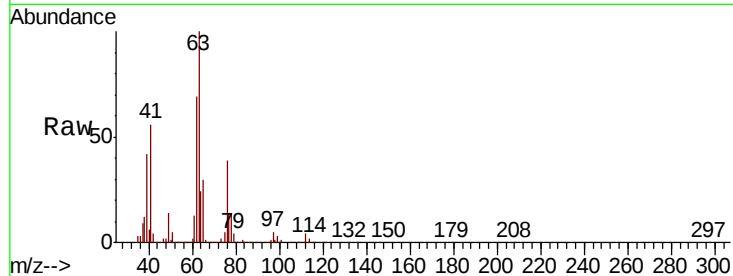
65 29.7 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

11/26/2018 9:49:40 AM



#46

Dibromomethane

Concen: 50.430 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

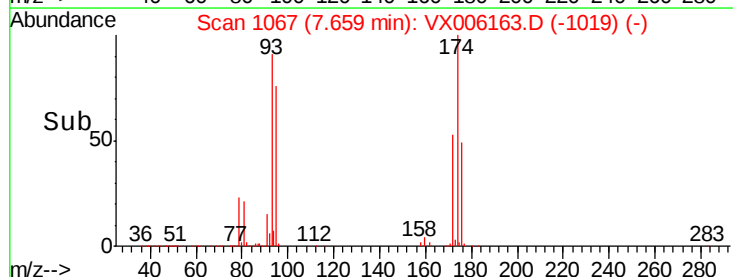
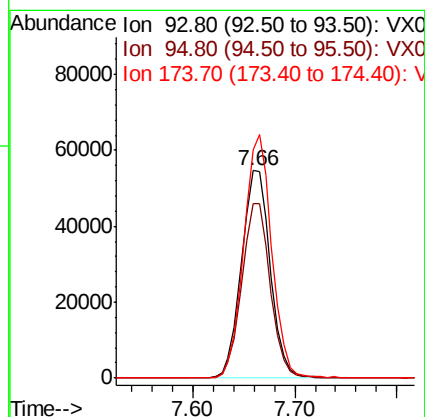
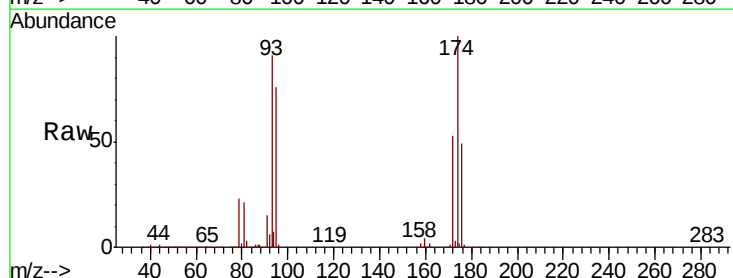
Tgt Ion: 93 Resp: 107306

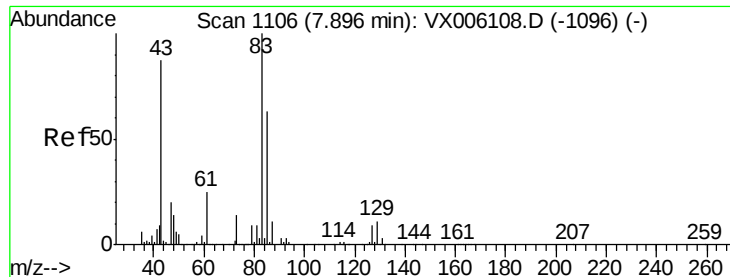
Ion Ratio Lower Upper

93 100

95 82.6 66.3 99.5

174 113.7 91.0 136.6





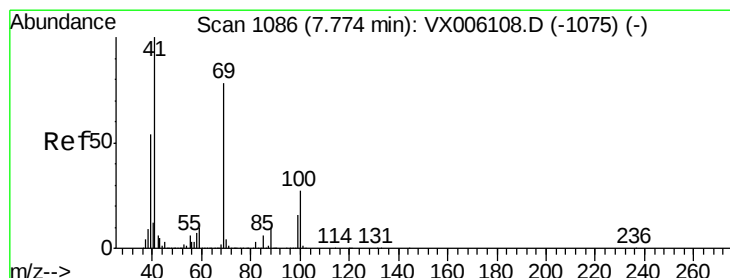
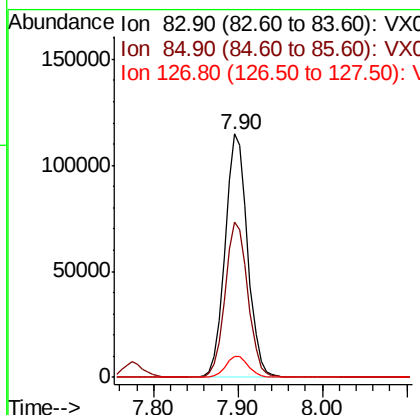
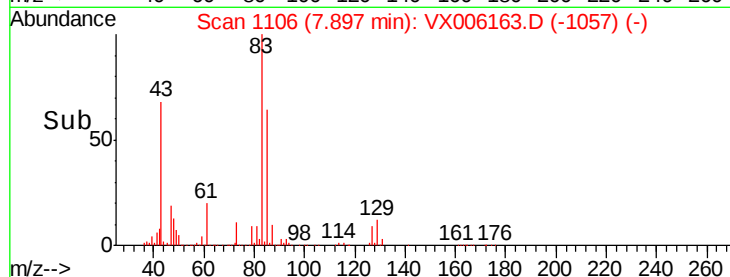
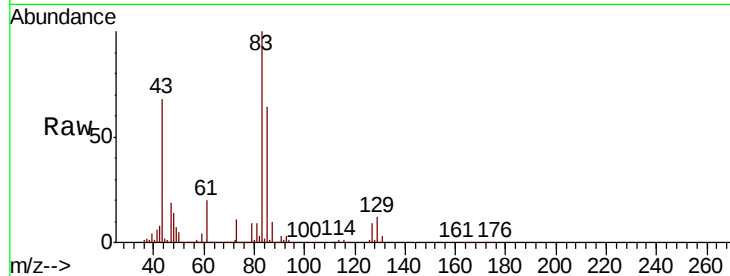
#47
Bromodichloromethane
Concen: 53.200 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.4	75.6
127	8.6	7.0	10.4

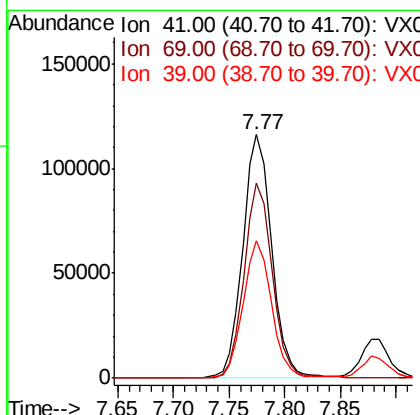
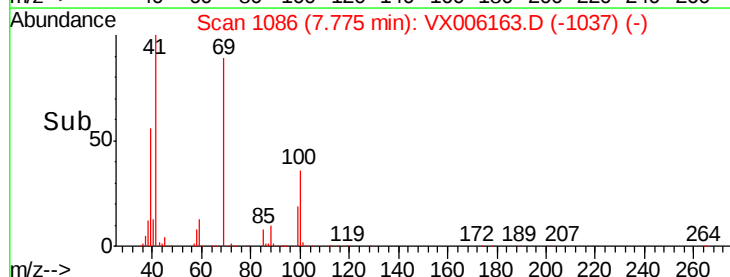
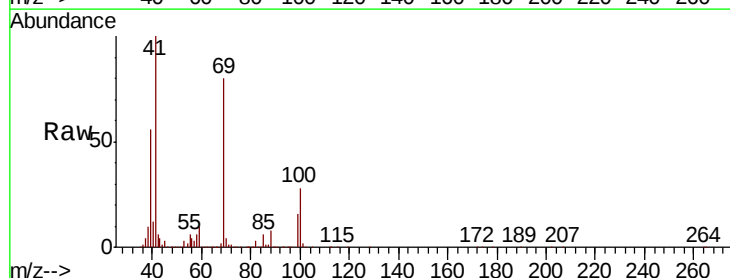
Manual Integrations
APPROVED

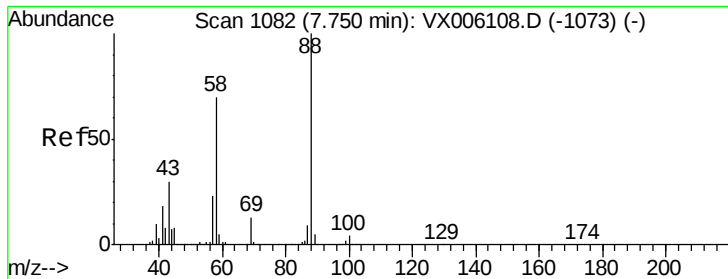
MMDadoda
11/26/2018 9:49:40 AM



#48
Methyl methacrylate
Concen: 55.934 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.5	62.8	94.2
39	55.0	43.8	65.6





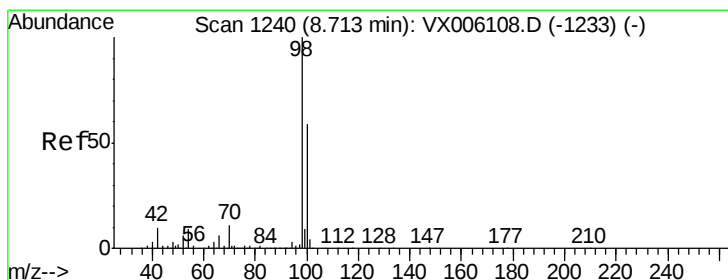
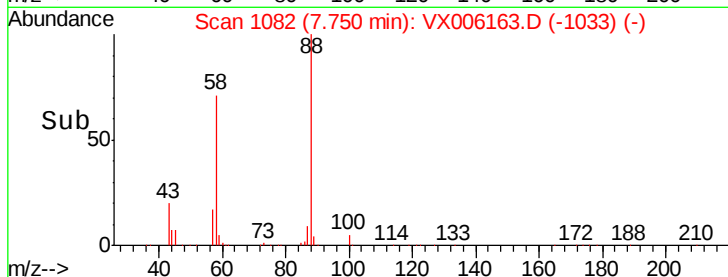
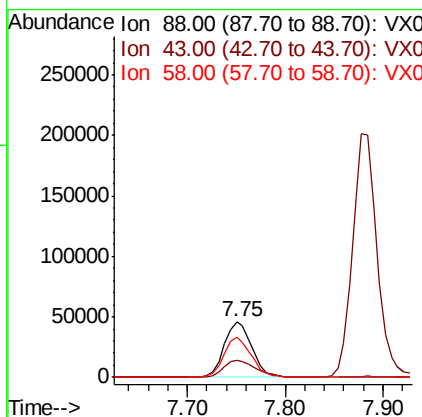
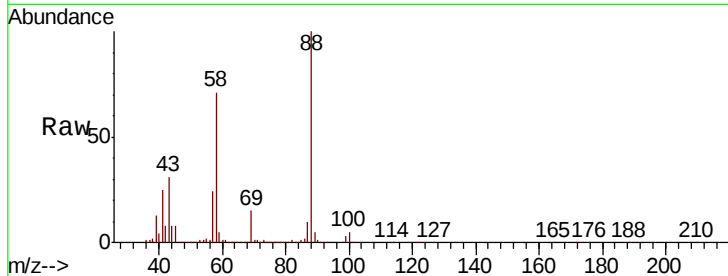
#49
 1,4-Dioxane
 Concen: 1006.118 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.7	40.1
58	72.4	58.5	87.7

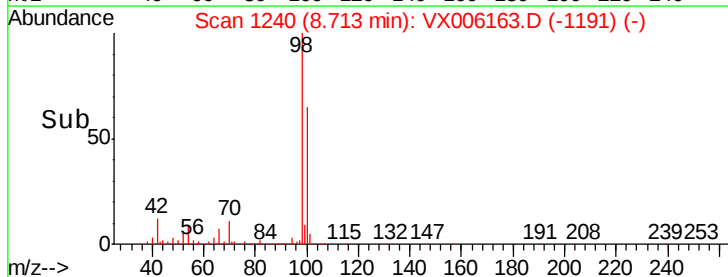
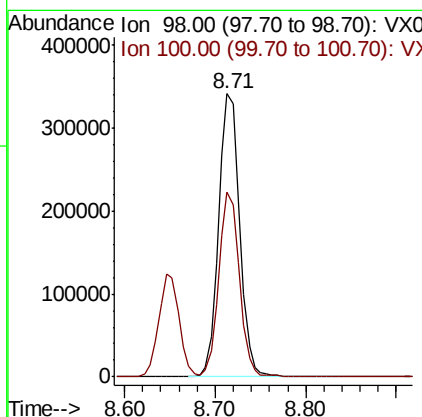
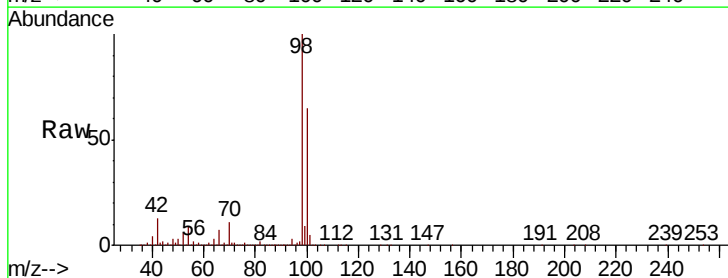
Manual Integrations
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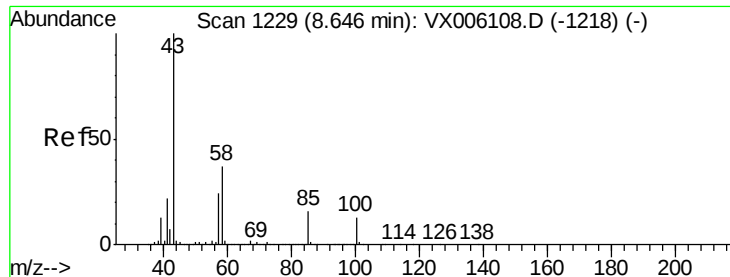
MMDadoda
 11/26/2018 9:49:40 AM



#50
 Toluene-d8
 Concen: 51.593 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 263.389 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1398064

Ion Ratio Lower Upper

43 100

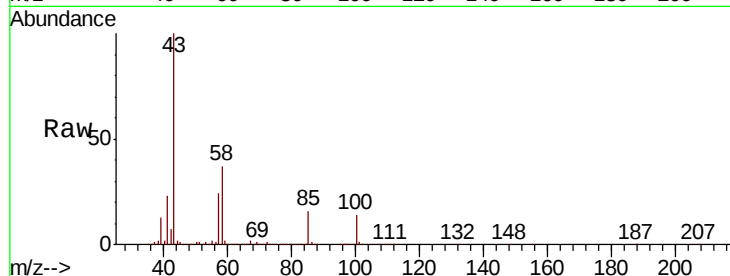
58 37.3 29.9 44.9

Manual Integrations

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MMDadoda

11/26/2018 9:49:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000000

800000

600000

400000

200000

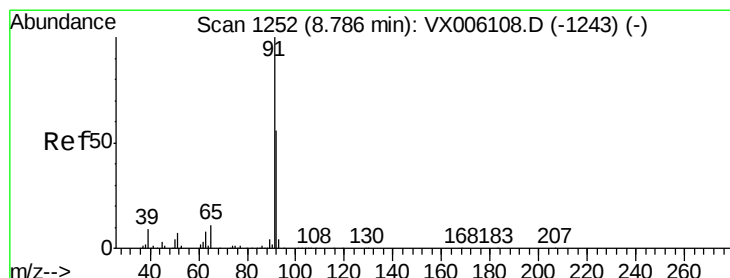
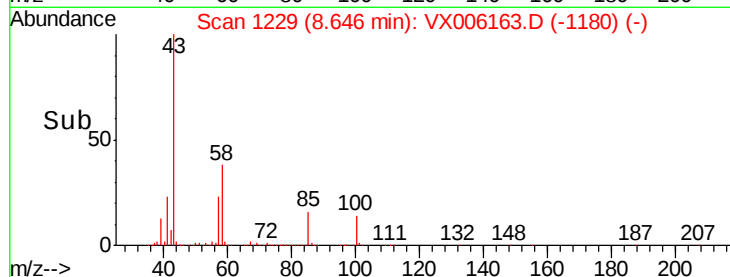
0

8.60

8.70

8.80

Time-->



#52

Toluene

Concen: 52.408 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006163.D

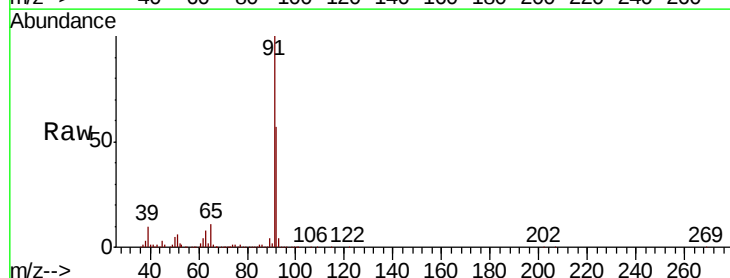
Acq: 22 Nov 2018 09:48

Tgt Ion: 92 Resp: 380575

Ion Ratio Lower Upper

92 100

91 176.3 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

300000

200000

100000

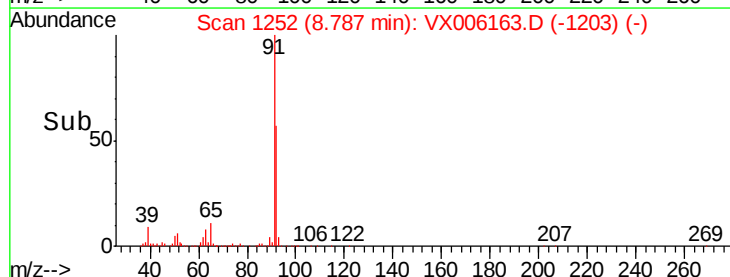
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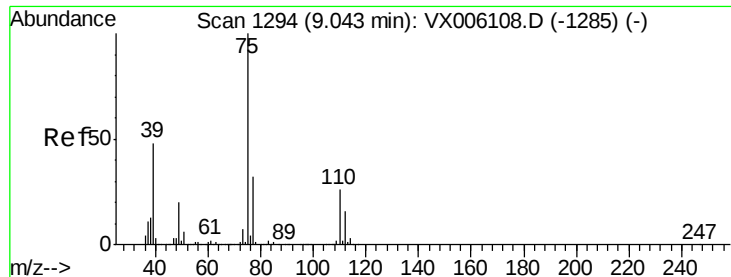
8.70

8.80

8.90

Time-->





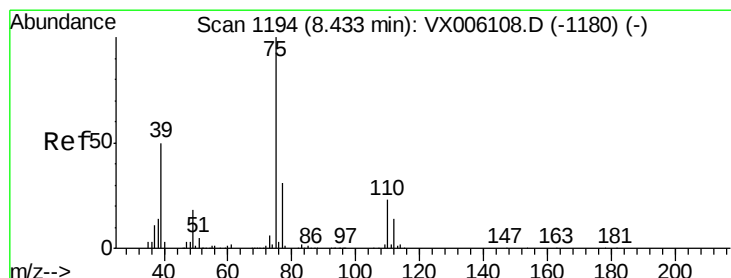
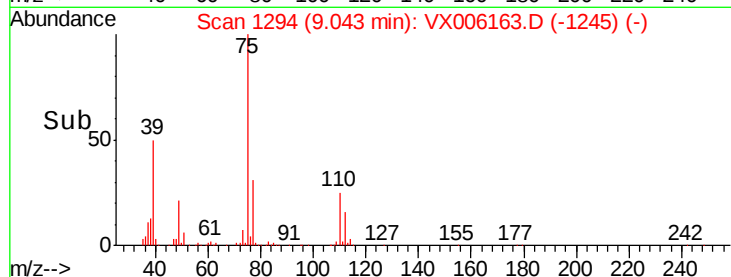
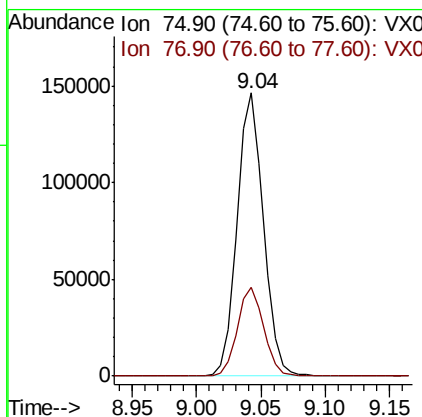
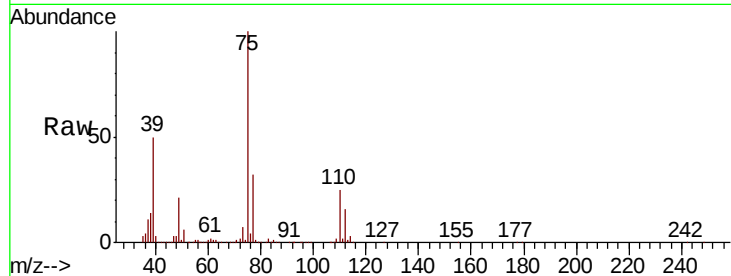
#53
t-1,3-Dichloropropene
Concen: 50.527 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 207500
Ion Ratio Lower Upper
75 100
77 31.6 25.7 38.5

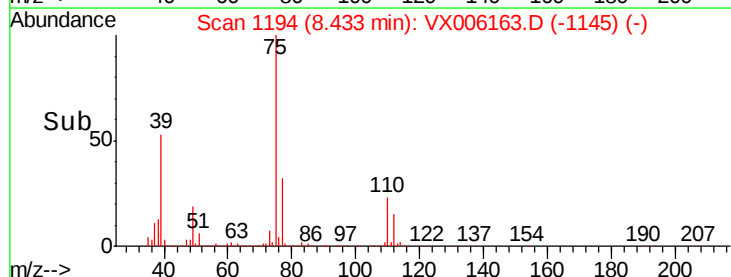
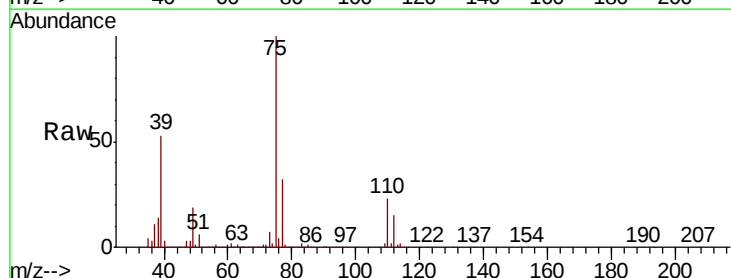
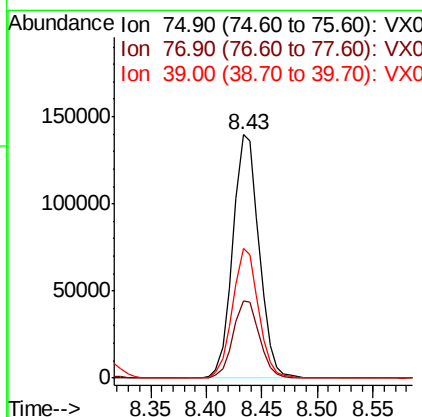
Manual Integrations
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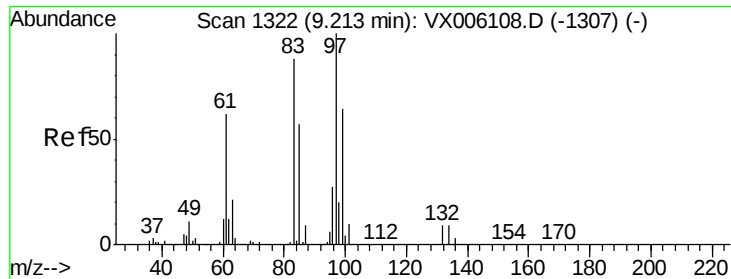
MMDadoda
11/26/2018 9:49:40 AM



#54
cis-1,3-Dichloropropene
Concen: 50.151 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion: 75 Resp: 227680
Ion Ratio Lower Upper
75 100
77 31.7 24.7 37.1
39 53.1 40.3 60.5





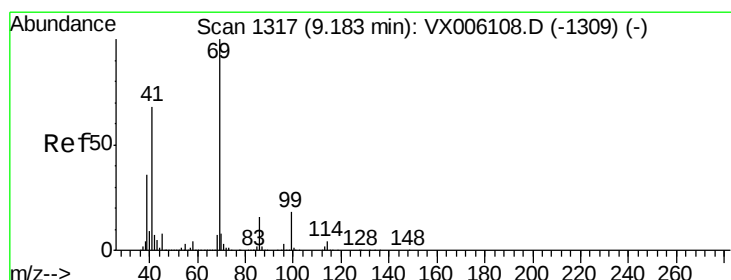
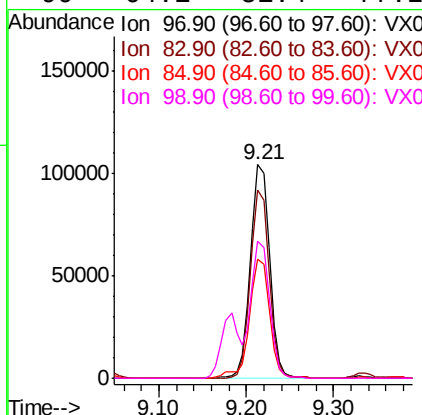
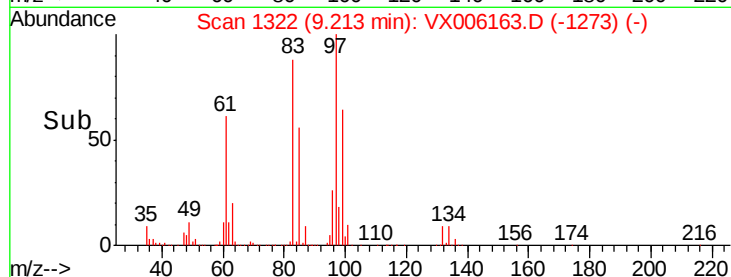
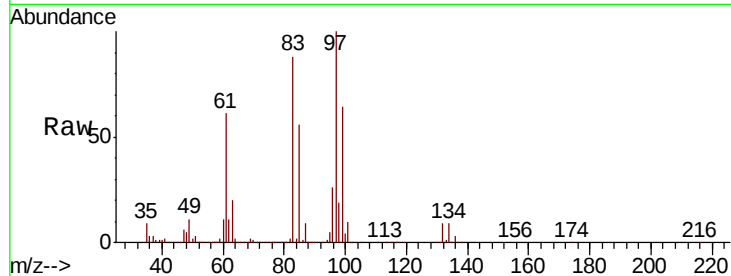
#55
1,1,2-Trichloroethane
Concen: 50.522 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	97	Resp:	158891
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.7	106.1
85	55.4	45.7	68.5
99	64.1	51.4	77.2

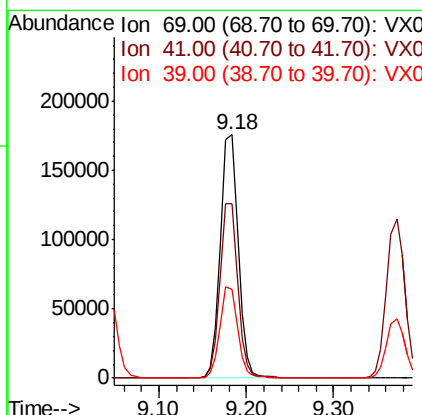
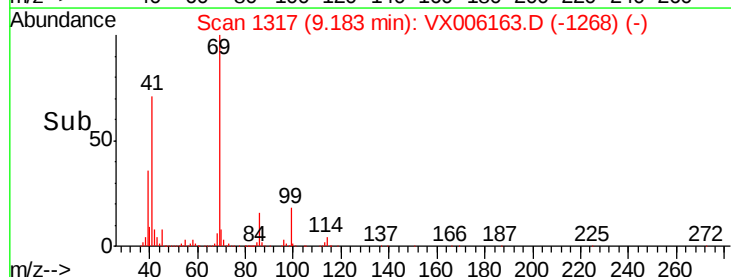
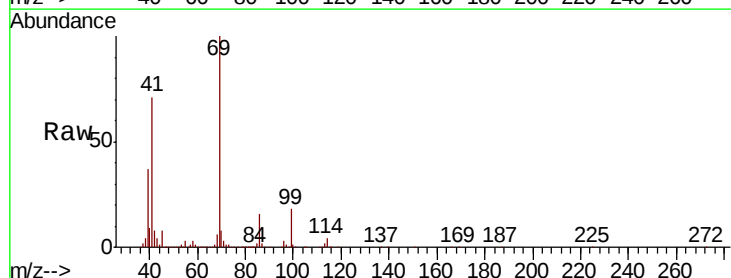
Manual Integrations
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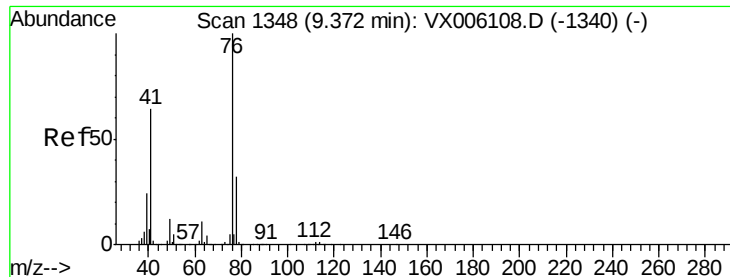
MMDadoda
11/26/2018 9:49:40 AM



#56
Ethyl methacrylate
Concen: 50.664 ug/l
RT: 9.18 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion:	69	Resp:	248319
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.2	84.4
39	37.0	29.4	44.0





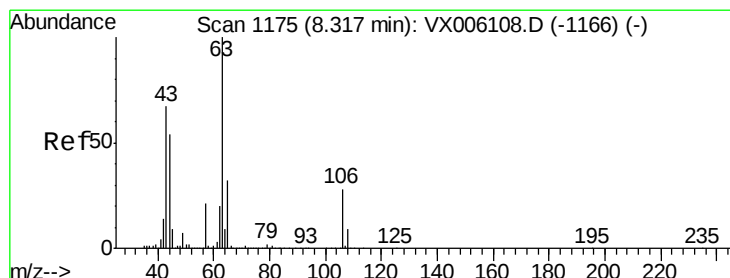
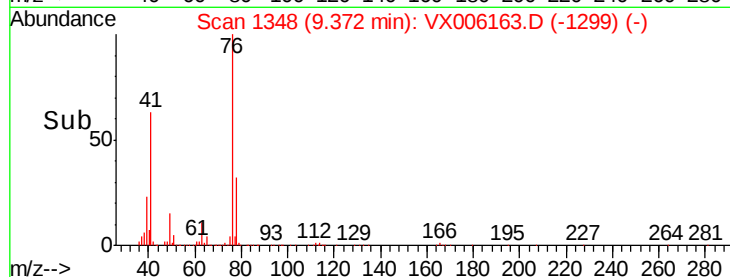
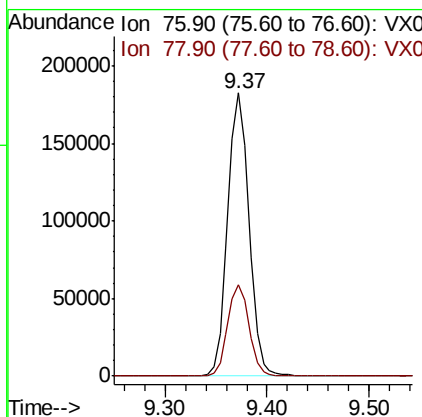
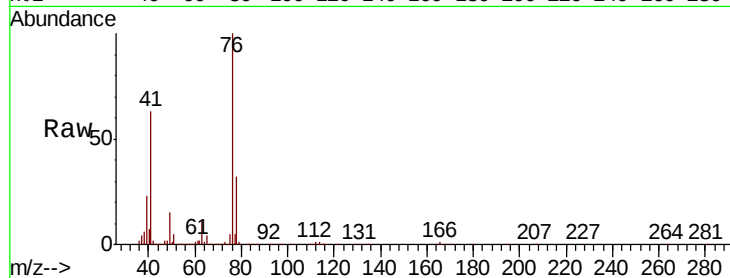
#57
 1,3-Dichloropropane
 Concen: 50.907 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.7	38.5

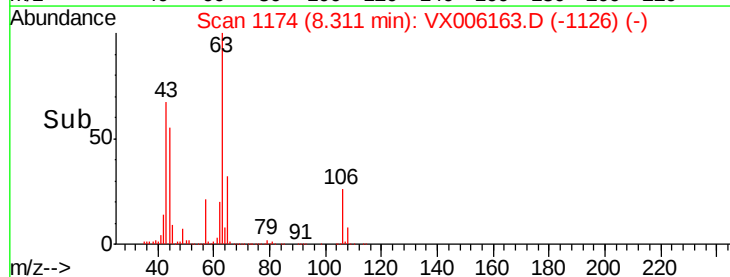
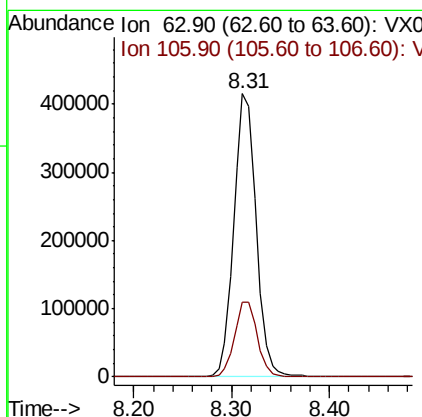
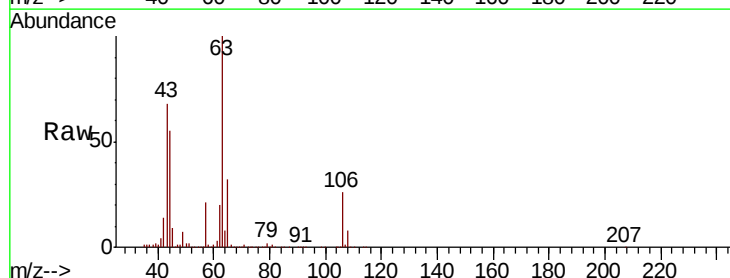
Manual Integrations
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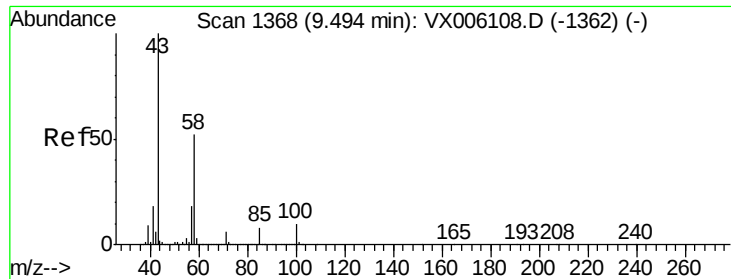
MMDadoda
 11/26/2018 9:49:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 241.058 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





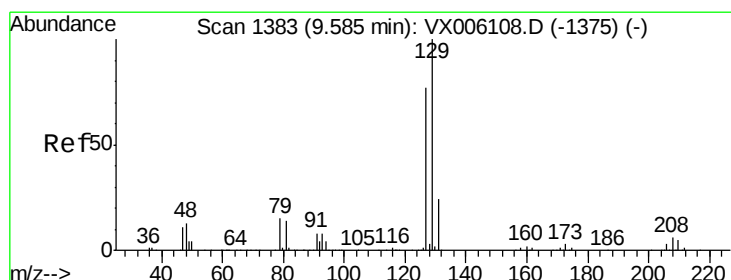
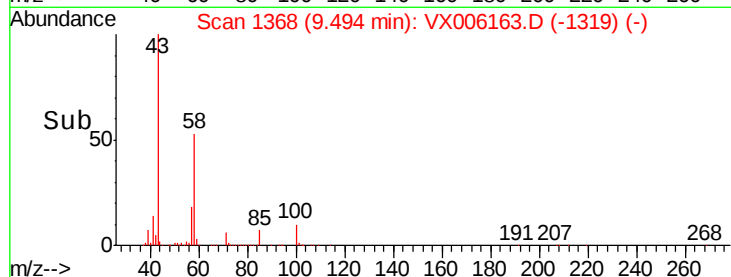
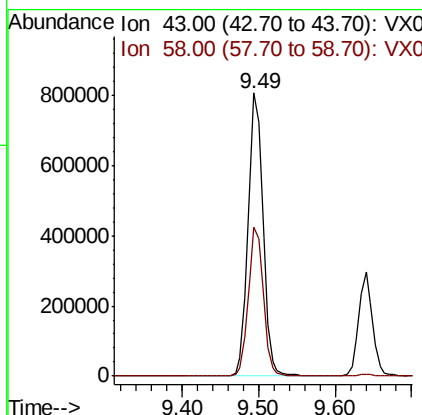
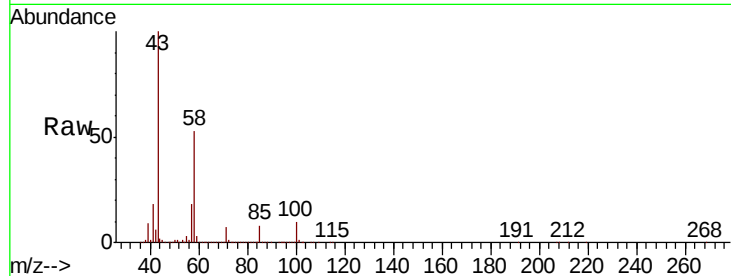
#59
2-Hexanone
Concen: 260.739 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1098354
Ion Ratio Lower Upper
43 100
58 52.7 26.3 78.9

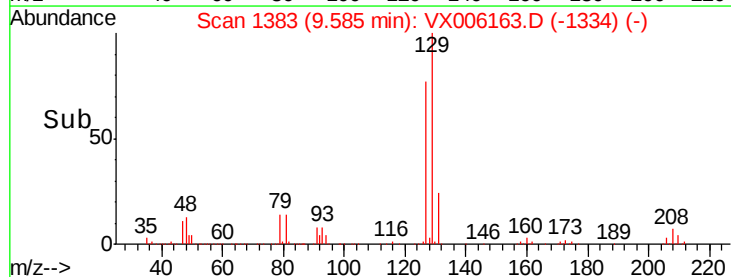
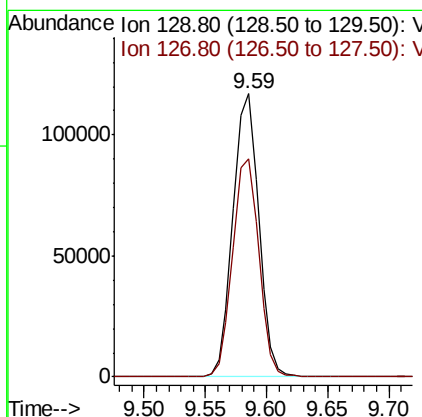
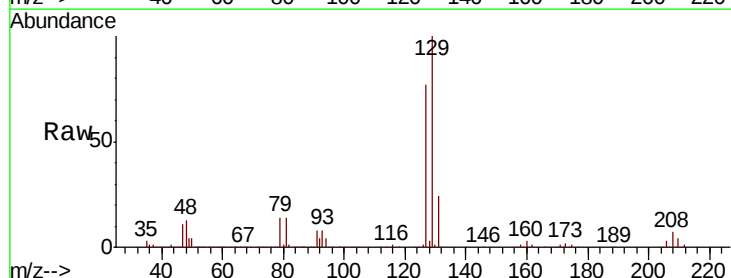
Manual Integrations
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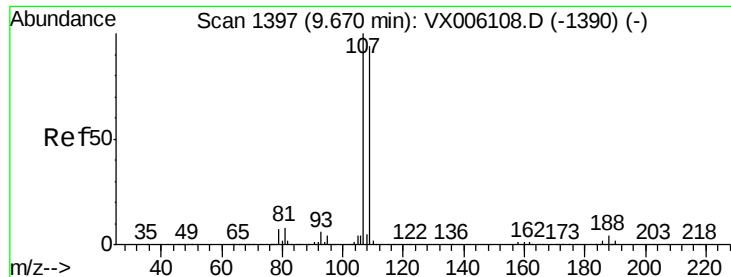
MMDadoda
11/26/2018 9:49:40 AM



#60
Dibromochloromethane
Concen: 55.394 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion: 129 Resp: 170800
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.5





#61

1,2-Dibromoethane

Concen: 52.070 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 168708

Ion Ratio Lower Upper

107 100

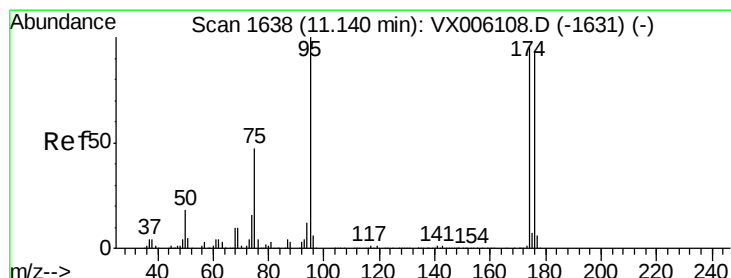
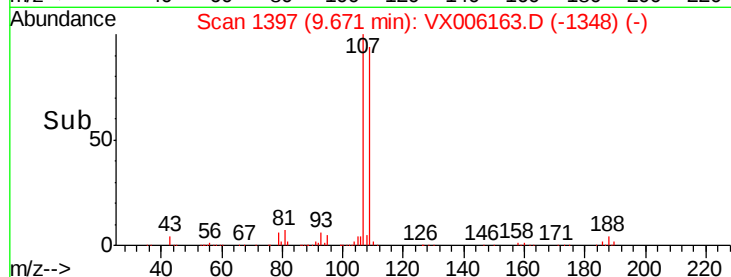
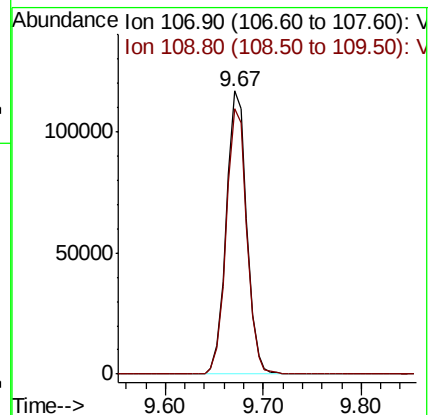
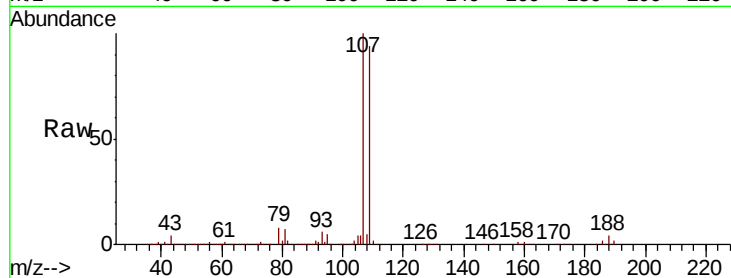
109 95.5 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

11/26/2018 9:49:40 AM



#62

4-Bromofluorobenzene

Concen: 52.038 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

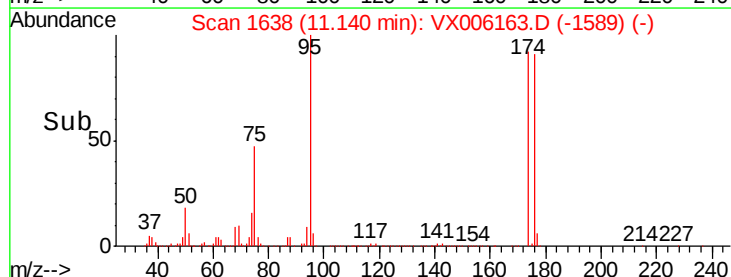
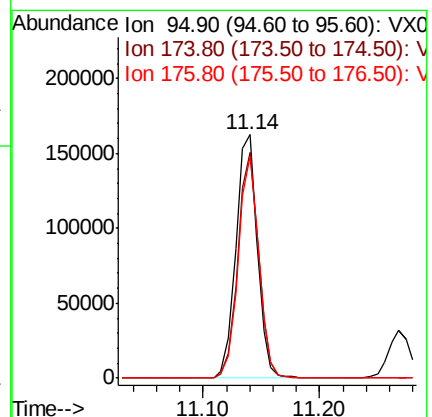
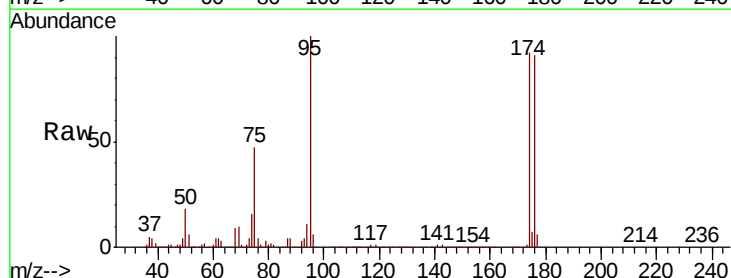
Tgt Ion: 95 Resp: 209396

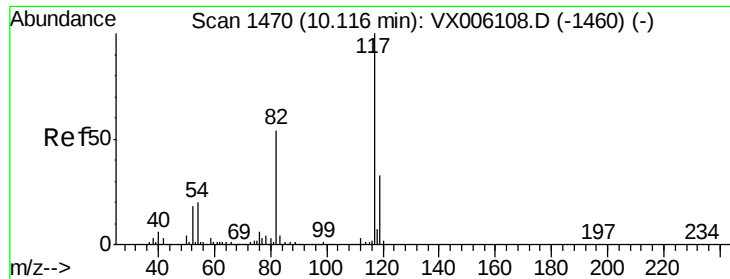
Ion Ratio Lower Upper

95 100

174 90.1 0.0 184.4

176 87.6 0.0 179.0





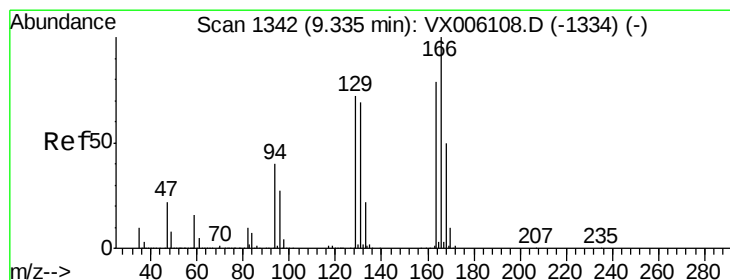
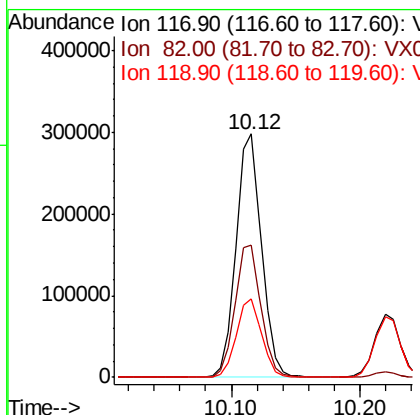
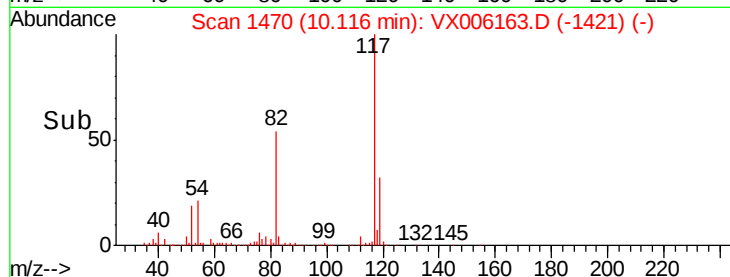
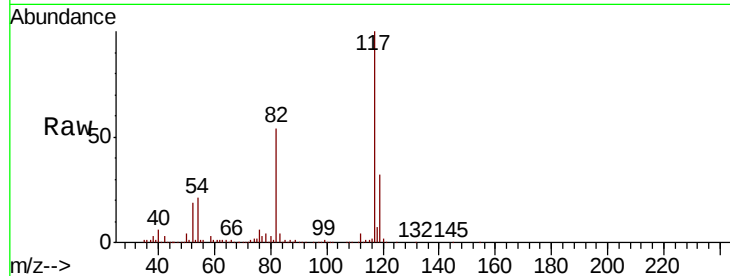
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	410197		
82	54.3	43.0	64.4	
119	32.3	26.1	39.1	

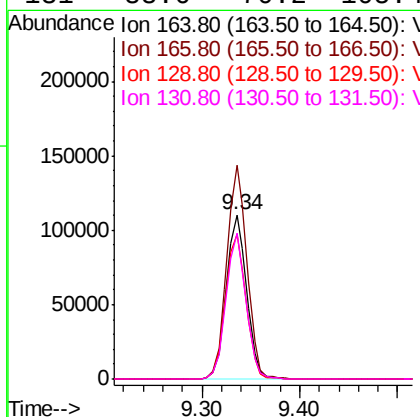
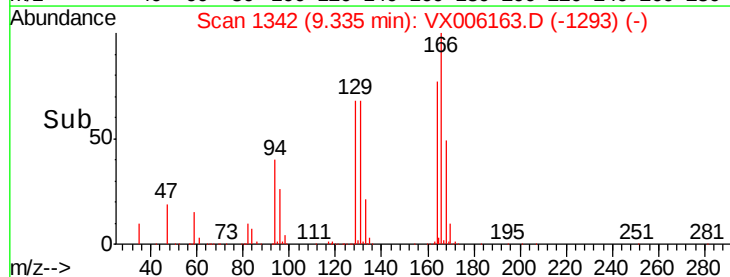
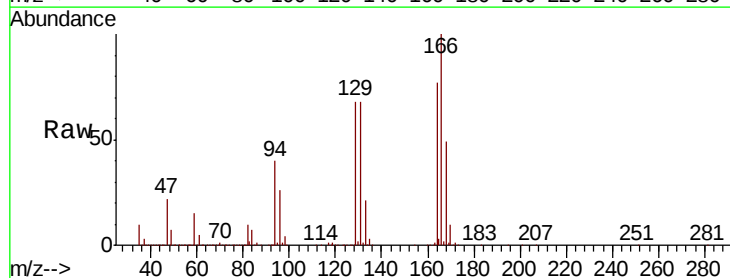
Manual Integrations
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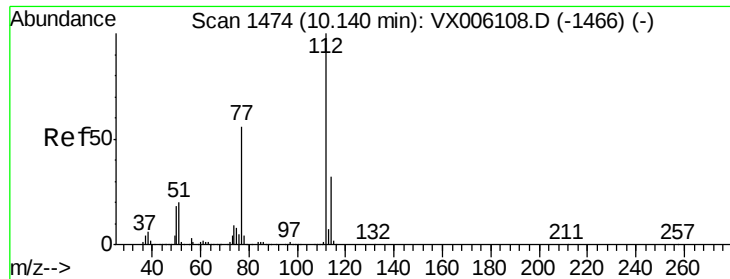
MMDadoda
11/26/2018 9:49:40 AM



#64
Tetrachloroethene
Concen: 47.204 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159344		
166	130.2	101.5	152.3	
129	88.2	73.4	110.0	
131	88.6	70.2	105.4	





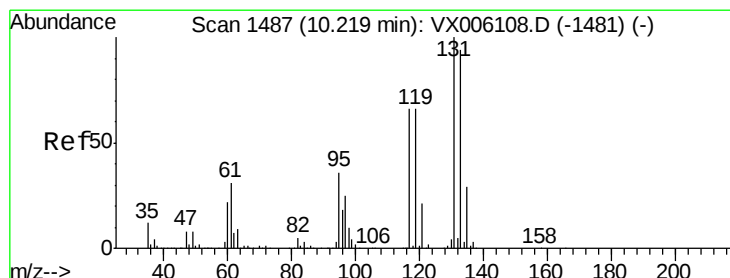
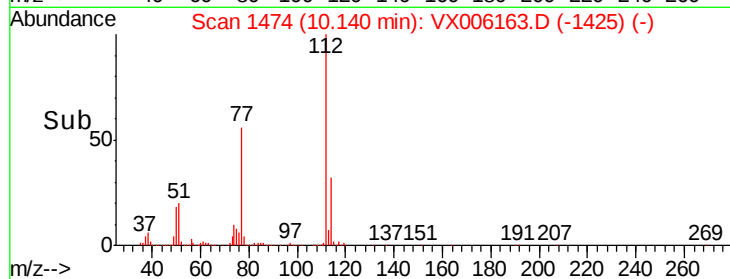
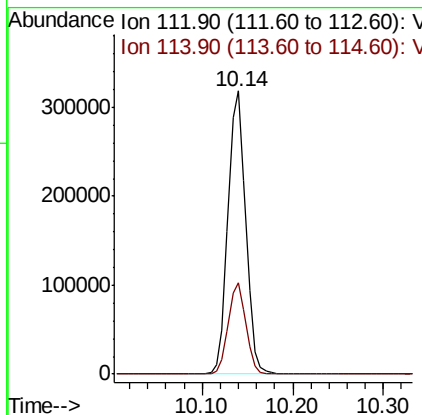
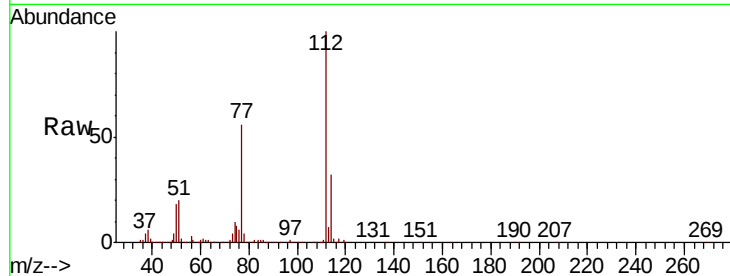
#65
Chlorobenzene
Concen: 51.485 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 433192
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4

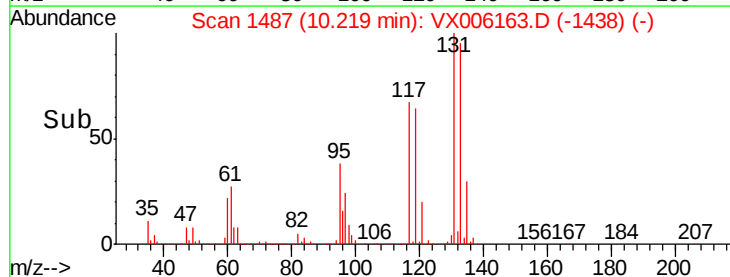
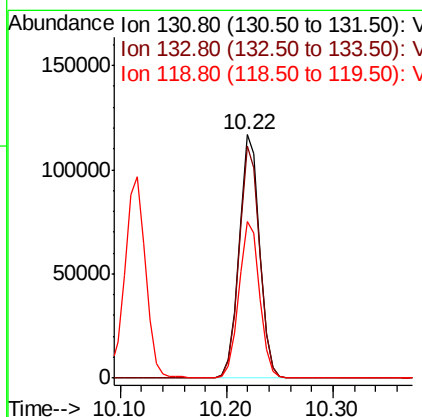
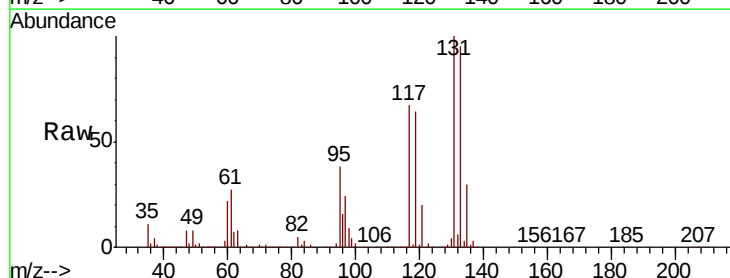
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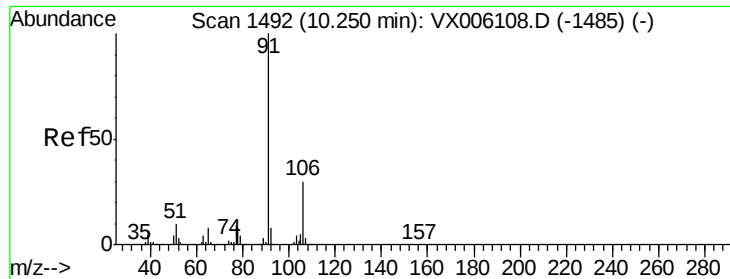
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.549 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion:131 Resp: 157574
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.2
119 64.8 32.6 97.8





#67

Ethyl Benzene

Concen: 53.925 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 742915

Ion Ratio Lower Upper

91 100

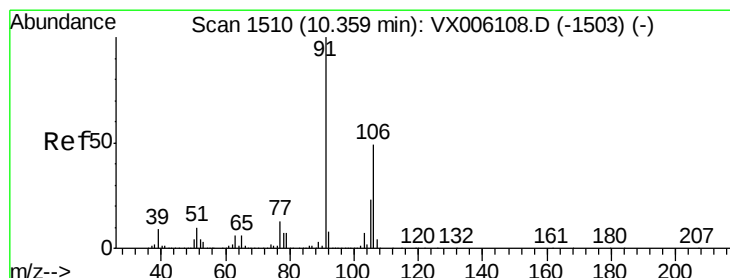
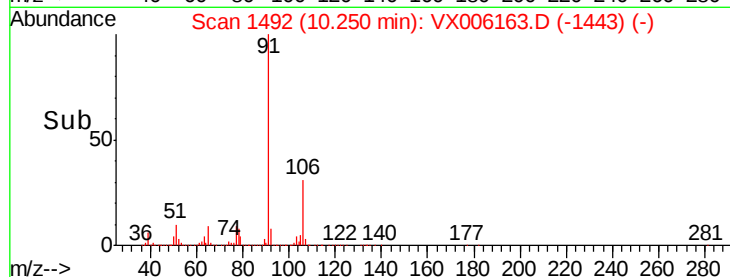
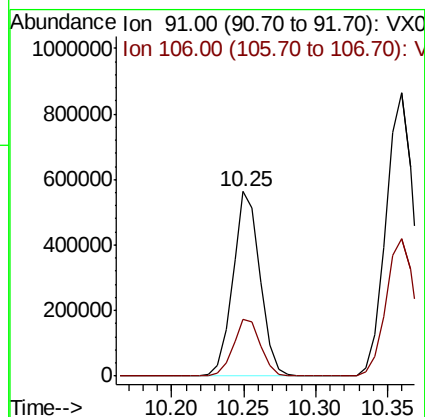
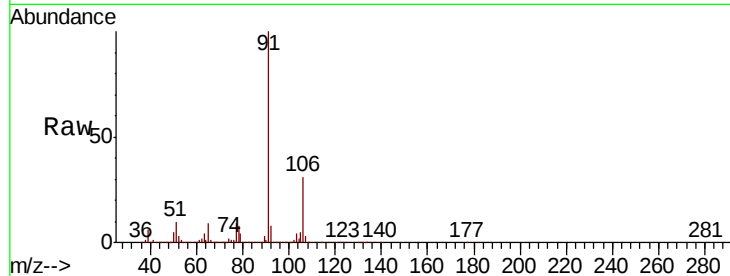
106 31.1 24.4 36.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.459 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006163.D

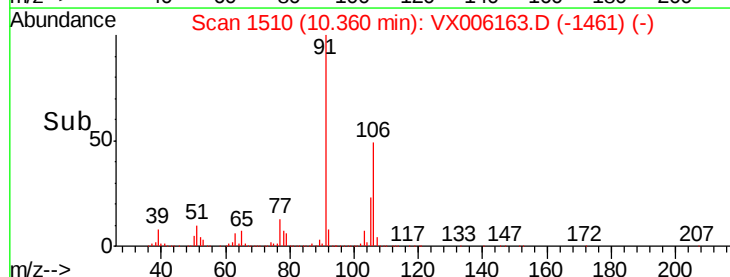
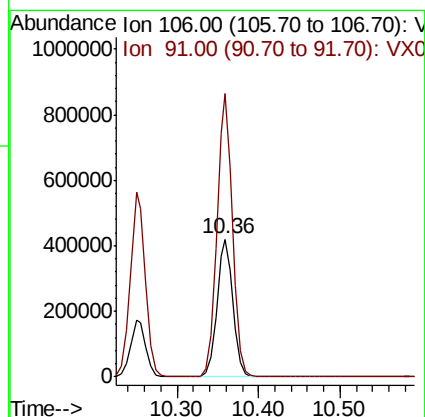
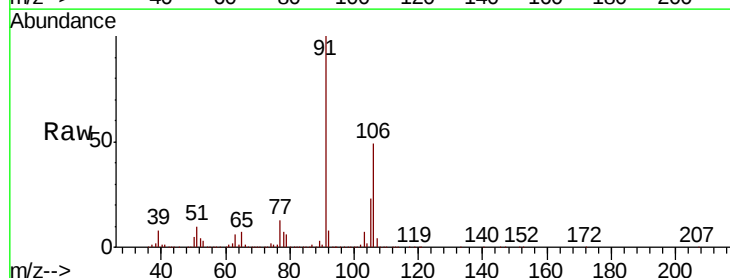
Acq: 22 Nov 2018 09:48

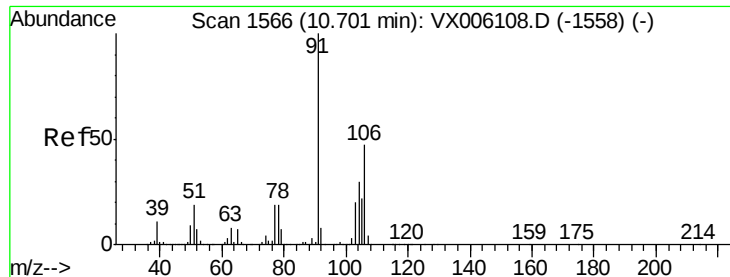
Tgt Ion: 106 Resp: 576475

Ion Ratio Lower Upper

106 100

91 202.4 162.0 243.0





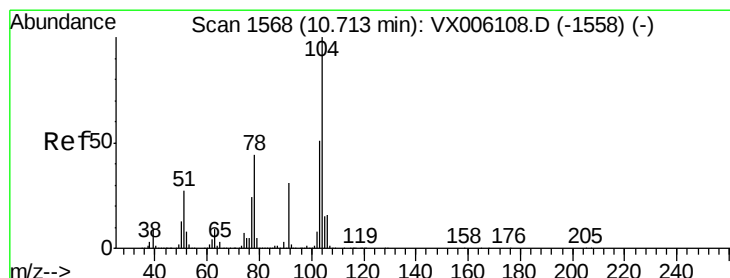
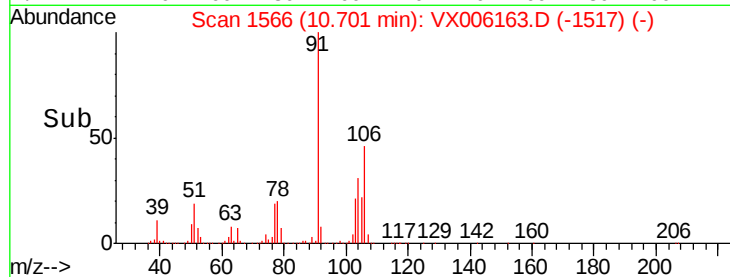
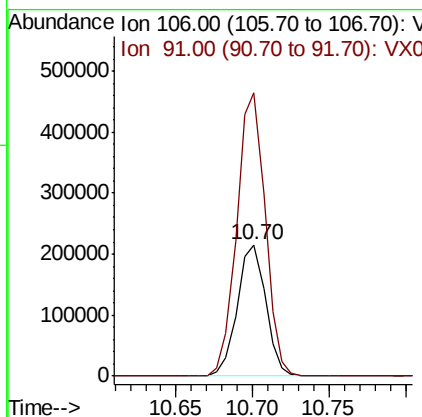
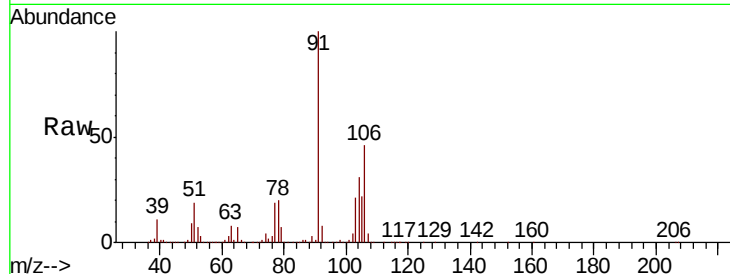
#69
o-Xylene
Concen: 54.187 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.4	107.4	322.2	

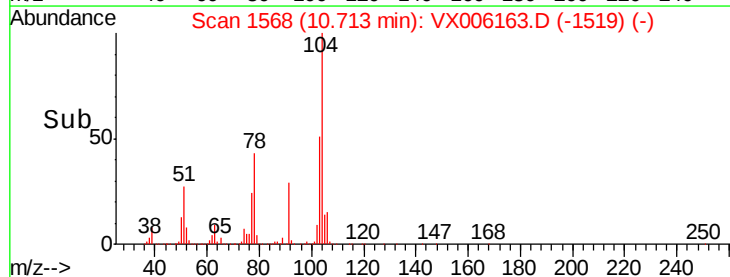
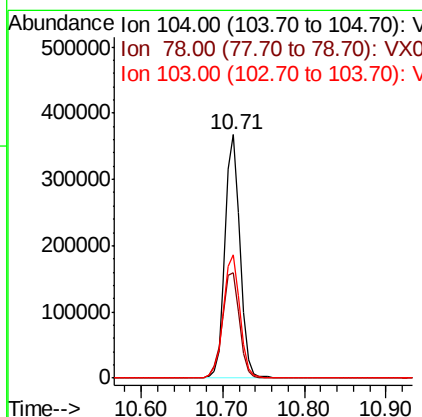
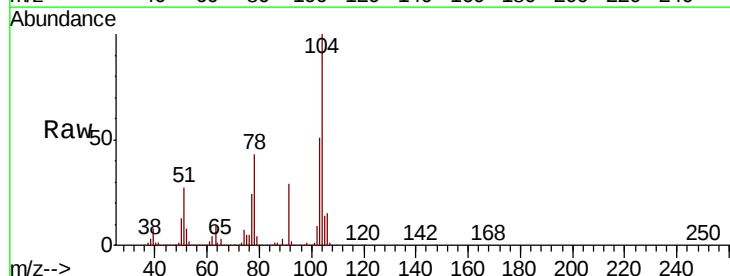
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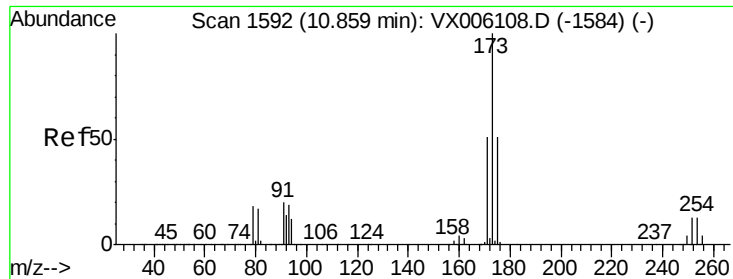
MMDadoda
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#70
Styrene
Concen: 56.024 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.5	39.4	59.2	
103	56.1	44.6	67.0	





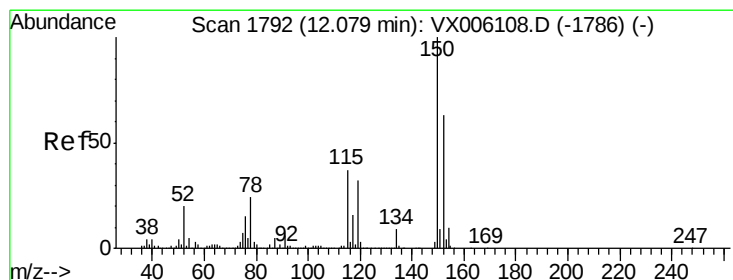
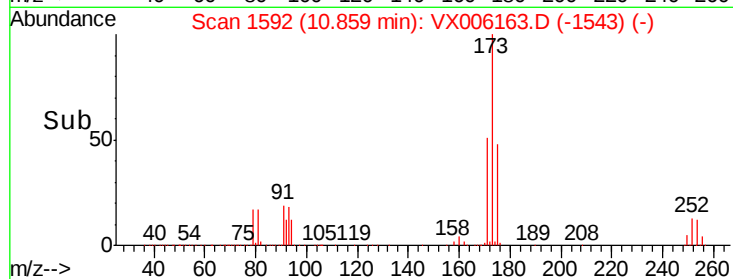
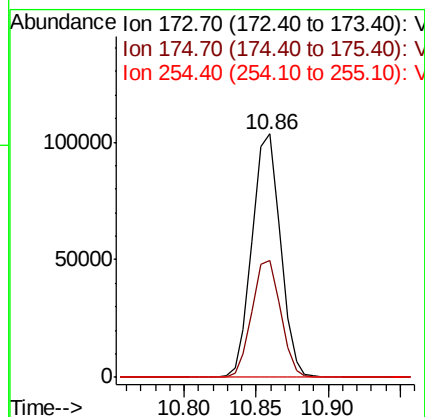
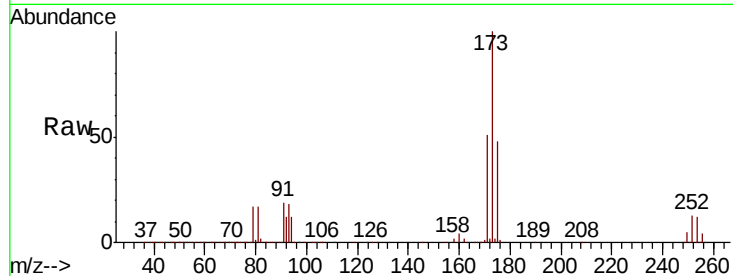
#71
Bromoform
Concen: 54.431 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.9	74.6
254	0.2	0.2	0.2

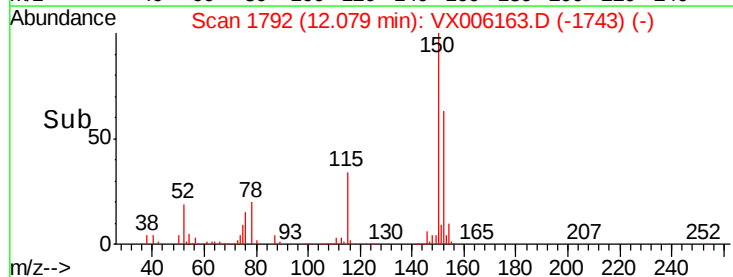
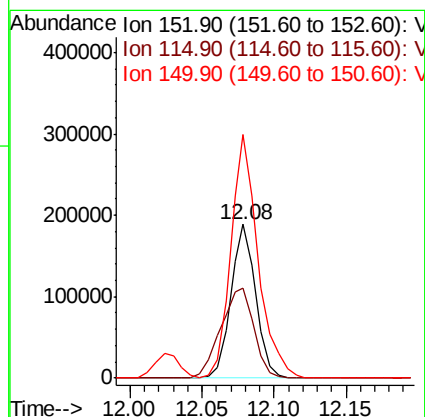
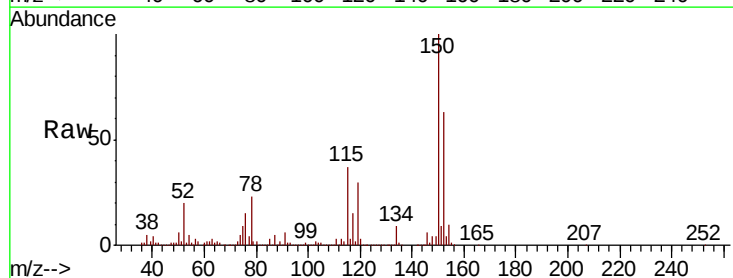
Manual Integrations
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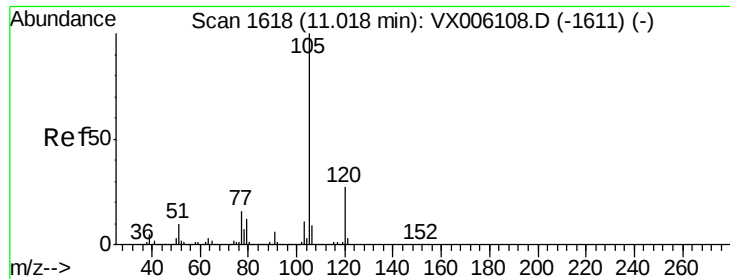
MMDadoda
11/26/2018 9:49:40 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.9	39.0	116.9
150	172.8	0.0	346.6





#73

Isopropylbenzene

Concen: 55.049 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 759798

Ion Ratio Lower Upper

105 100

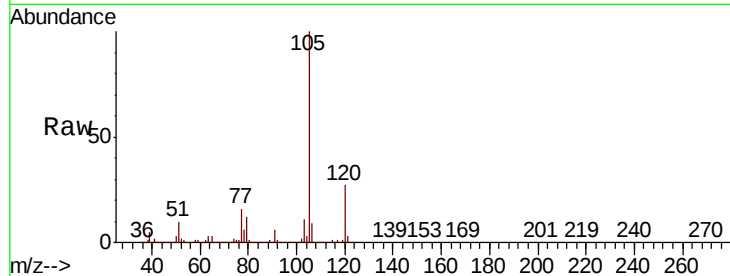
120 26.6 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

400000

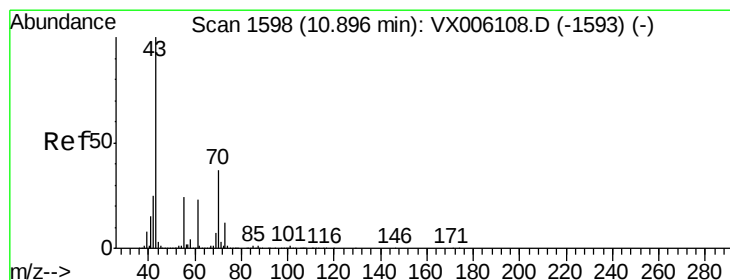
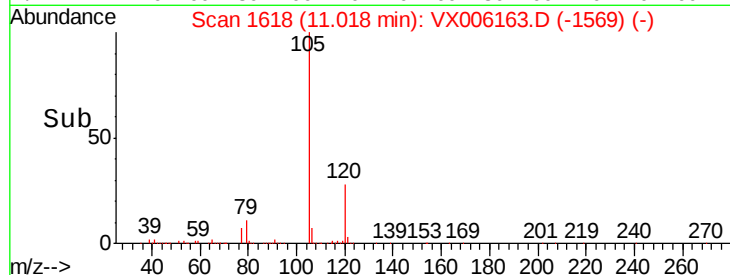
200000

0

11.02

10.90 11.10

Time-->



#74

N-ethyl acetate

Concen: 52.417 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Tgt Ion: 43 Resp: 369557

Ion Ratio Lower Upper

43 100

70 39.4 31.8 47.6

55 24.0 19.5 29.3

61 23.4 18.6 27.8

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

400000

300000

200000

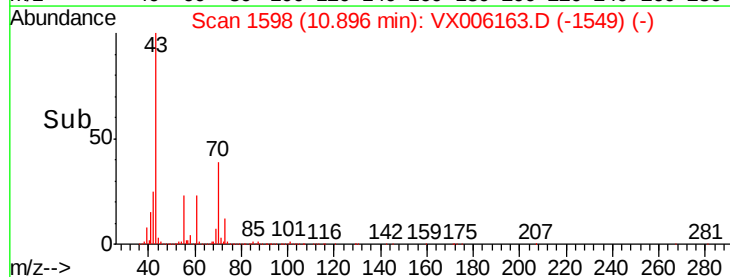
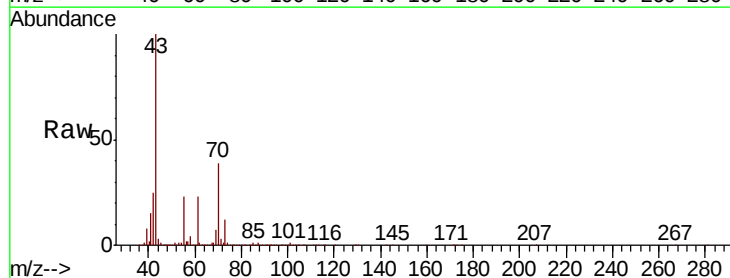
100000

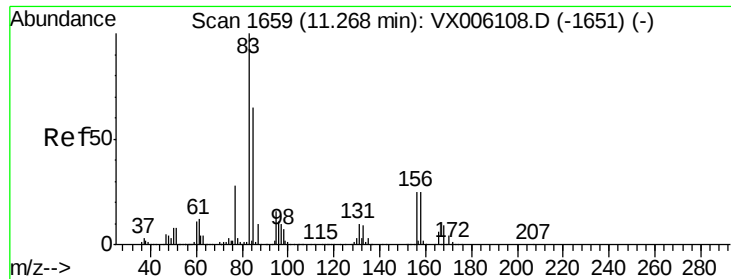
0

10.90

10.80 11.00

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.236 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

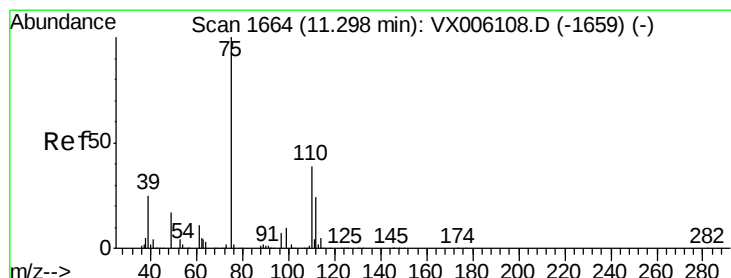
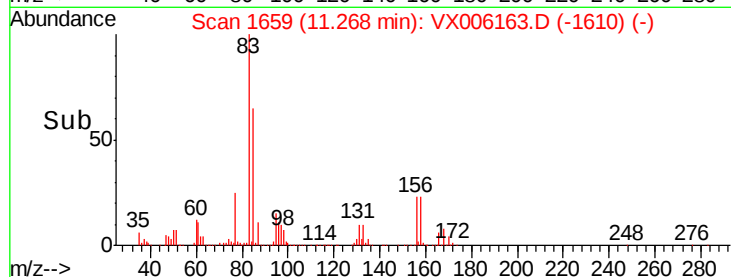
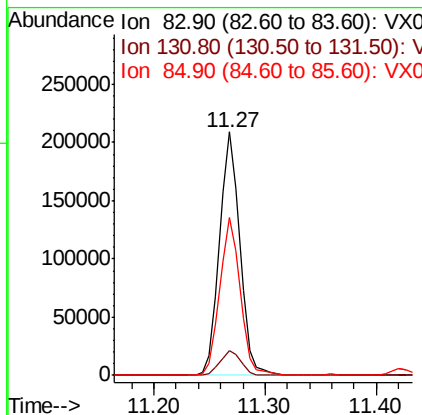
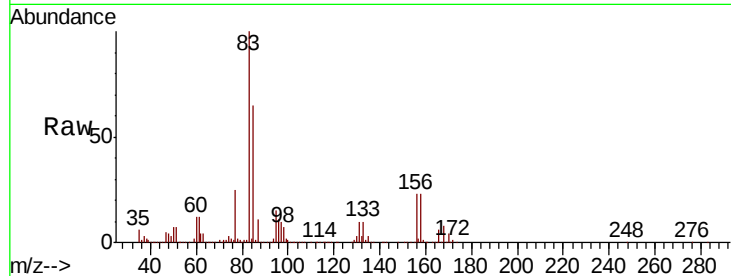
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	266503
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.9	32.6	97.8

Manual Integrations
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11/26/2018 9:49:40 AM



#76

1,2,3-Trichloropropane

Concen: 51.790 ug/l m

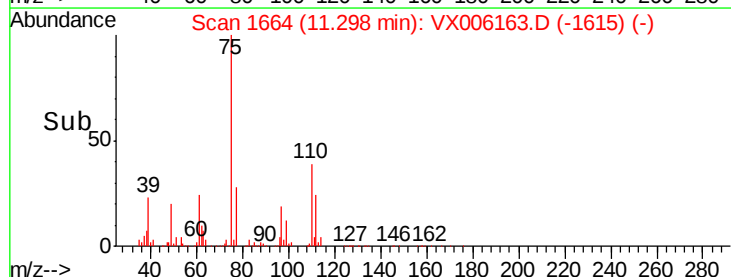
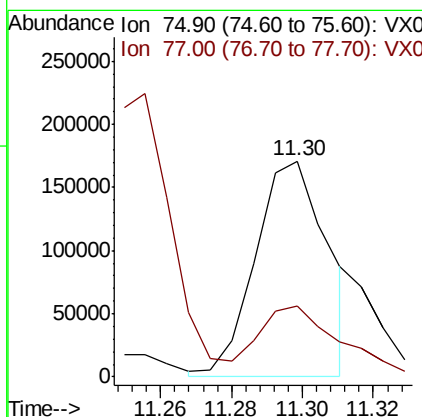
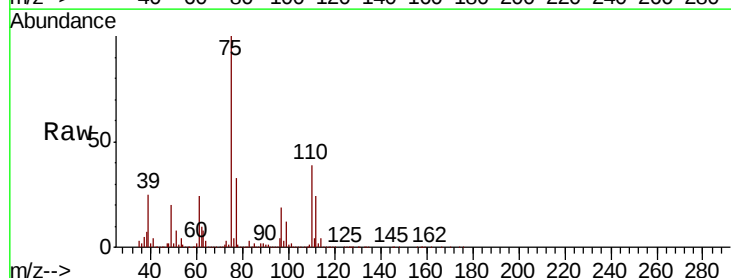
RT: 11.30 min Scan# 1664

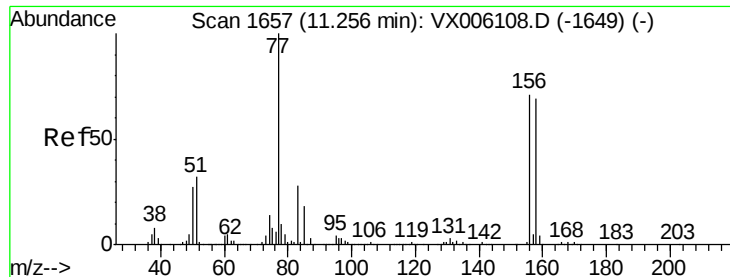
Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Tgt Ion:	75	Resp:	243225
Ion Ratio	Lower	Upper	
75	100		
77	36.7	19.6	58.7





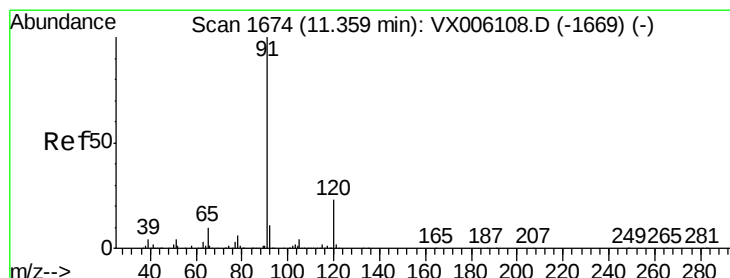
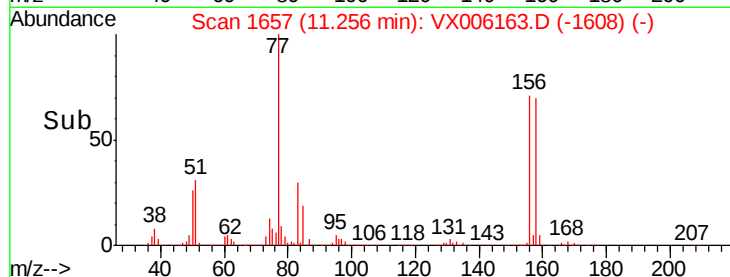
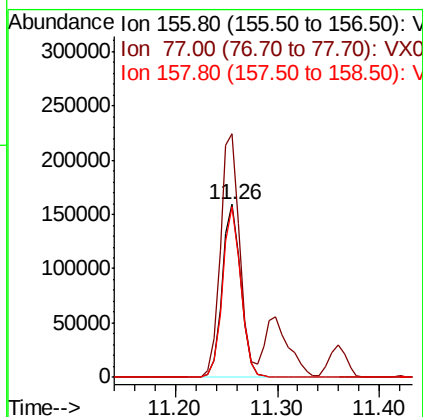
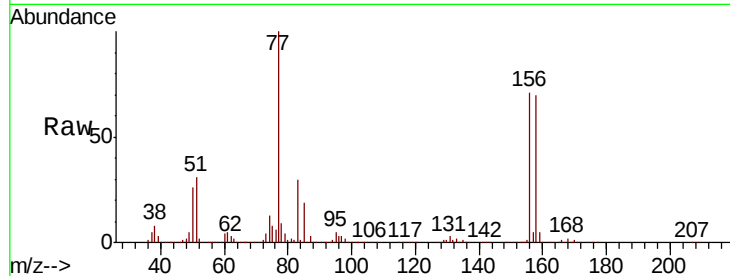
#77
Bromobenzene
Concen: 52.584 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.0	74.3	222.8
158	97.1	49.0	147.0

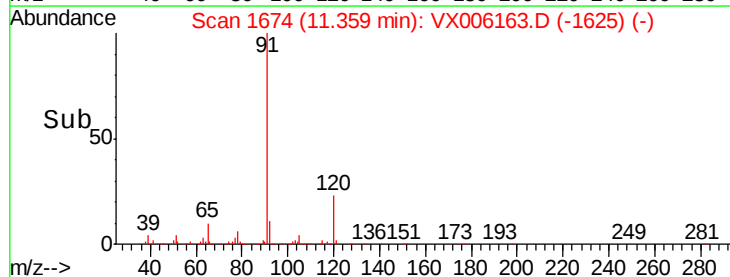
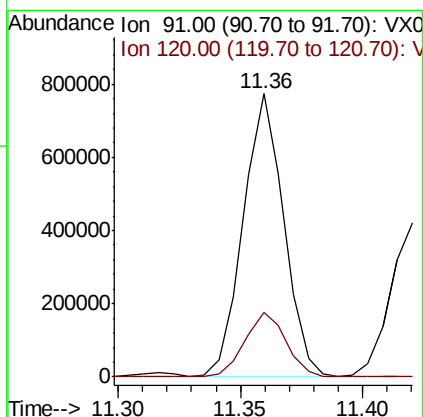
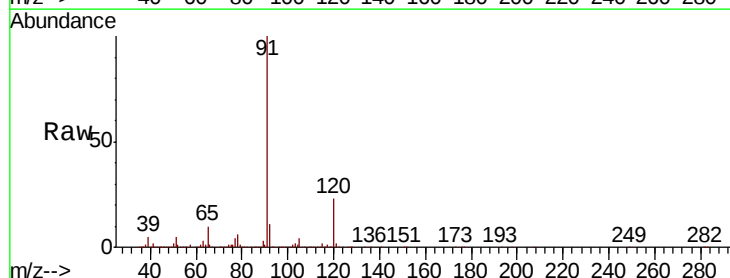
Manual Integrations
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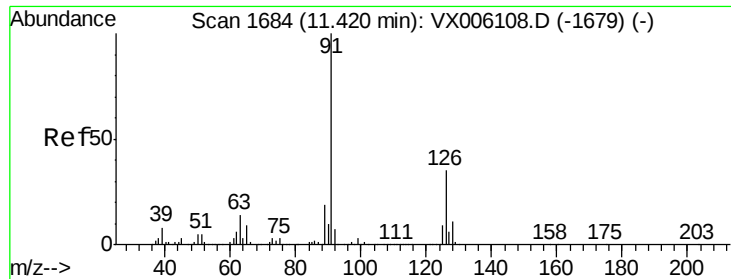
MMDadoda
11/26/2018 9:49:40 AM



#78
n-propylbenzene
Concen: 55.058 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.8	35.3





#79

2-Chlorotoluene

Concen: 53.122 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 516571

Ion Ratio Lower Upper

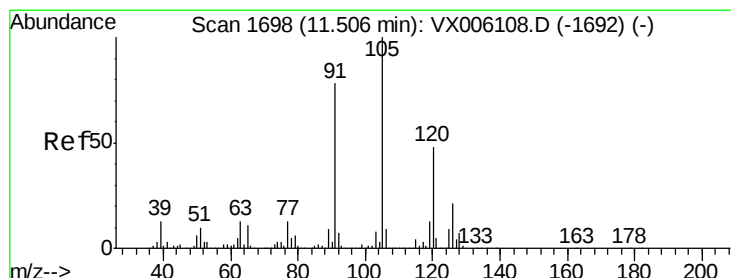
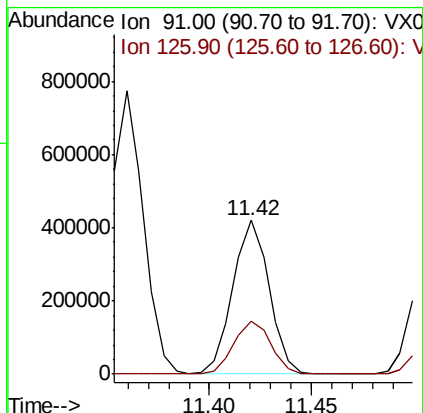
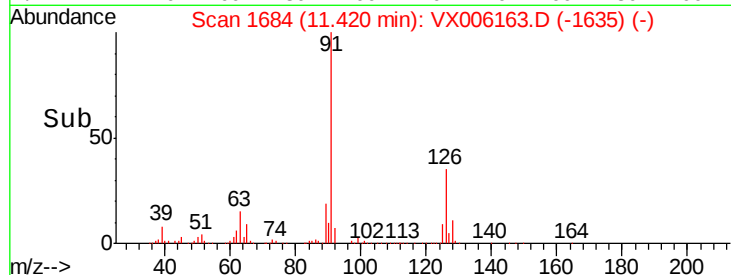
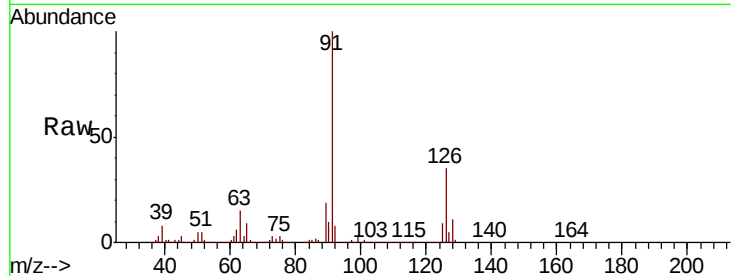
91 100

126 35.2 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 54.746 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006163.D

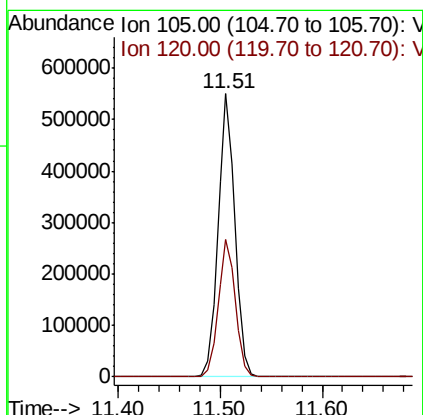
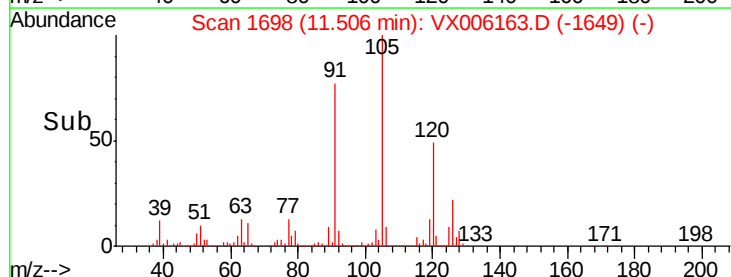
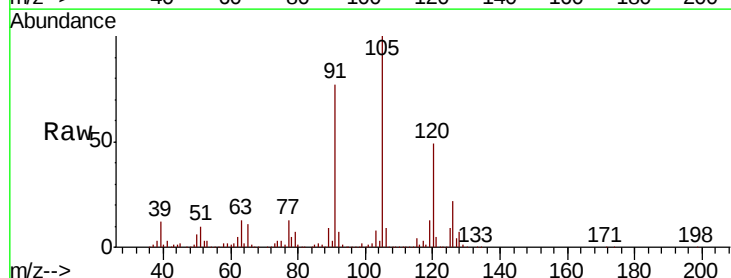
Acq: 22 Nov 2018 09:48

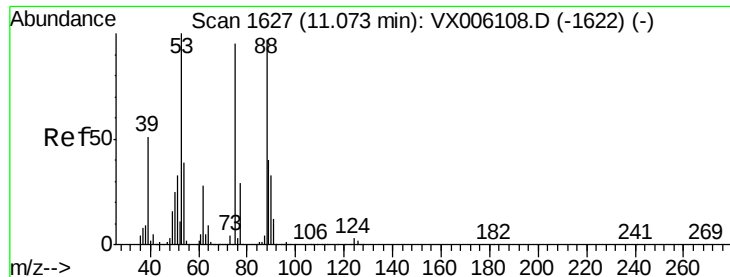
Tgt Ion: 105 Resp: 637074

Ion Ratio Lower Upper

105 100

120 49.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.376 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 61618

Ion Ratio Lower Upper

75 100

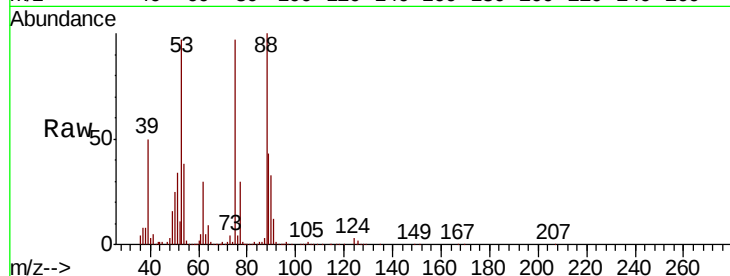
53 102.1 85.3 127.9

89 46.4 37.2 55.8

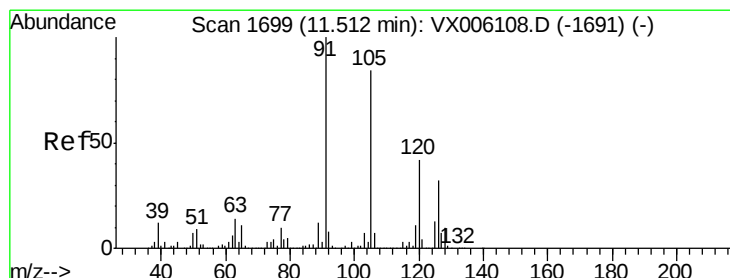
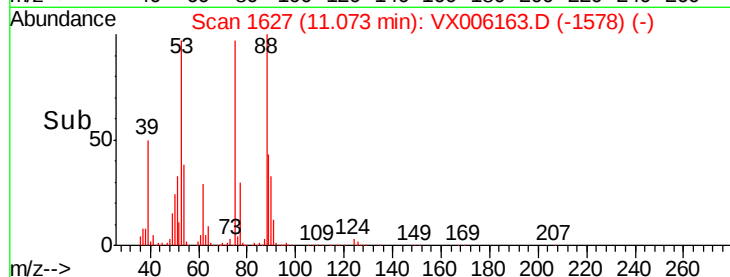
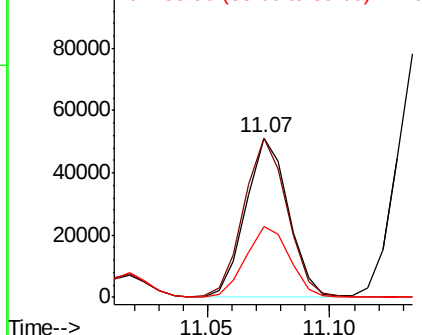
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 54.077 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX006163.D

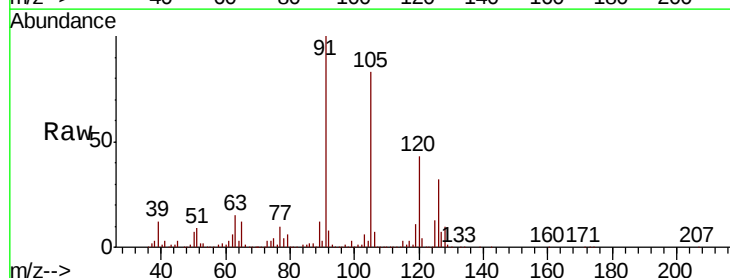
Acq: 22 Nov 2018 09:48

Tgt Ion: 91 Resp: 613680

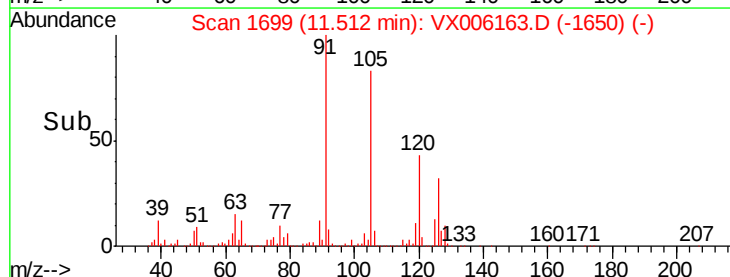
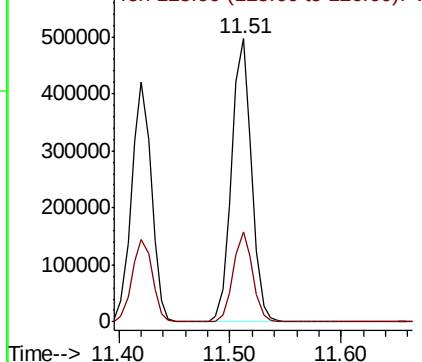
Ion Ratio Lower Upper

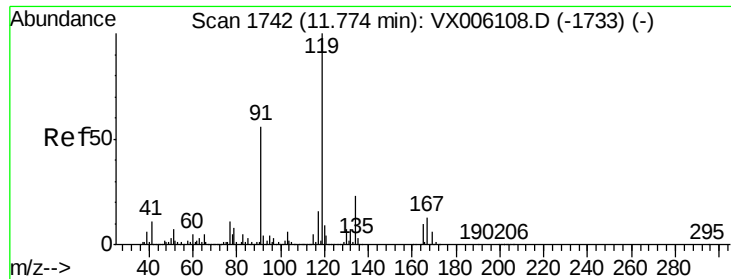
91 100

126 31.1 15.3 45.9



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





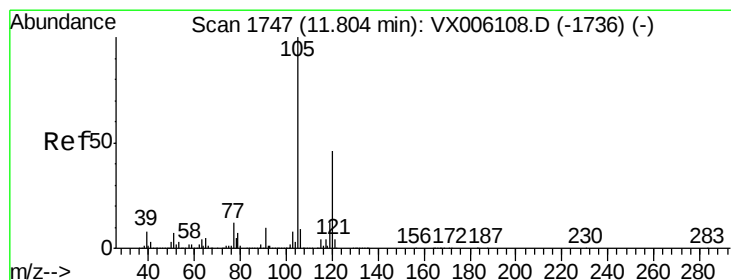
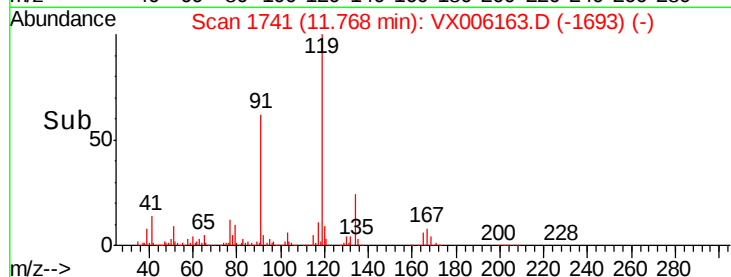
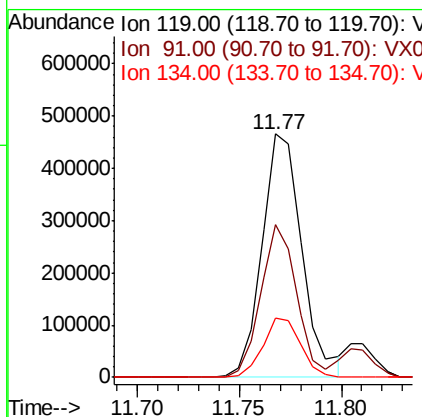
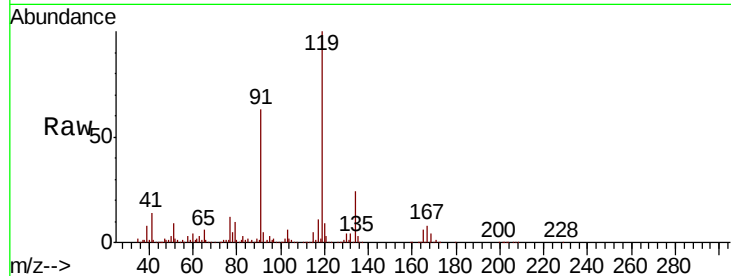
#83
 tert-Butylbenzene
 Concen: 55.907 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	28.2	84.6
134	23.1	11.5	34.4

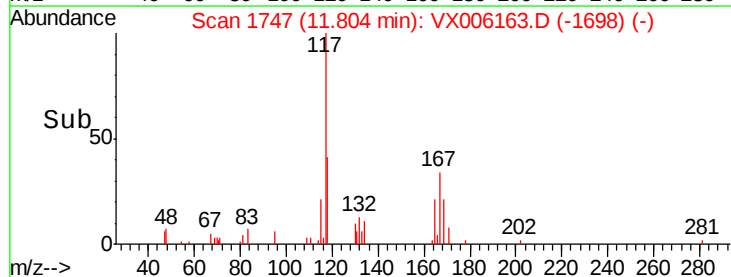
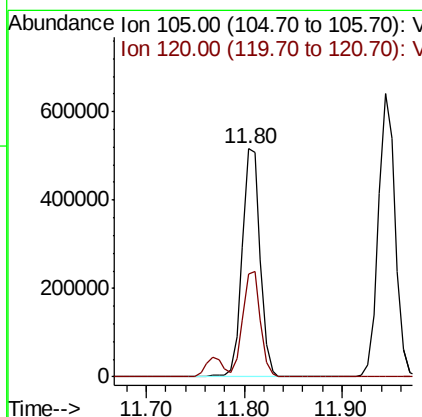
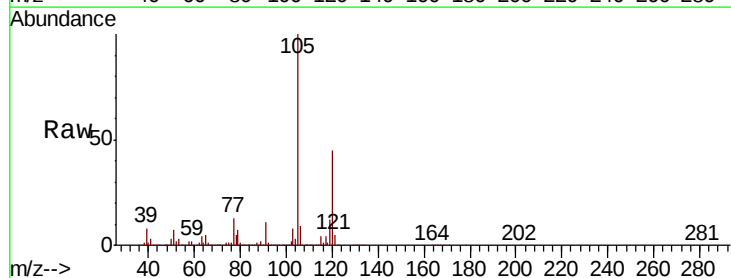
Manual Integrations
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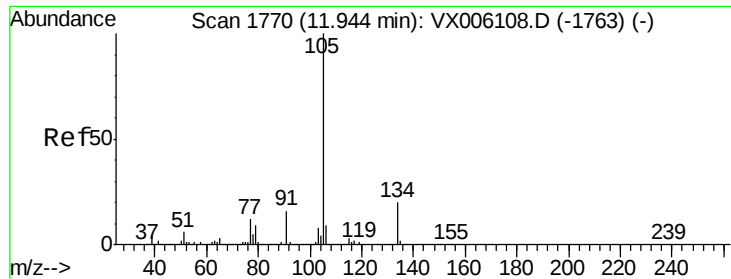
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.294 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.7	68.0





#85

sec-Butylbenzene

Concen: 54.863 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 762357

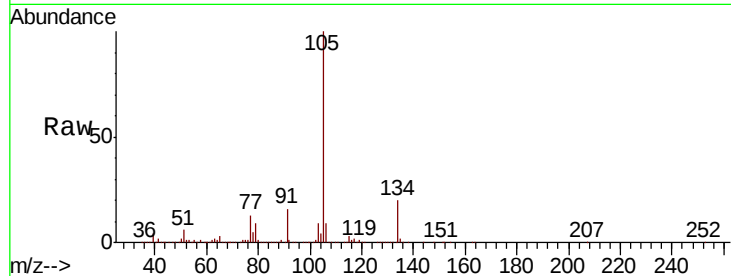
Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1

Manual Integrations
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11/26/2018 9:49:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

600000

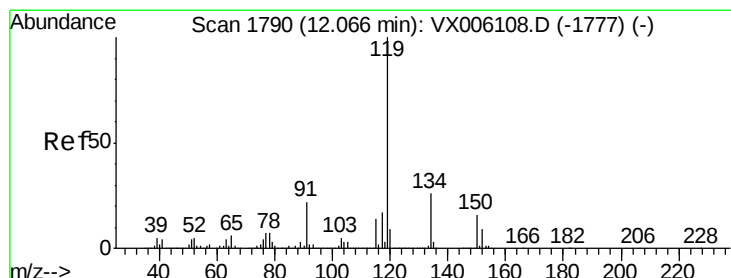
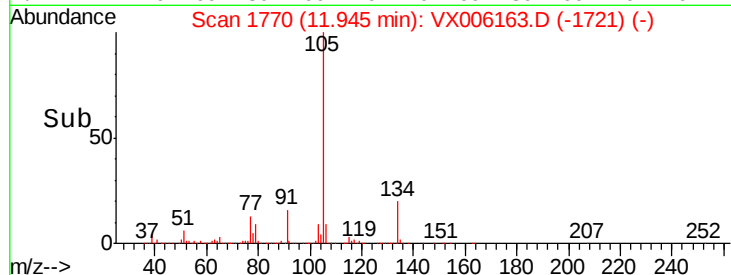
400000

200000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 55.290 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

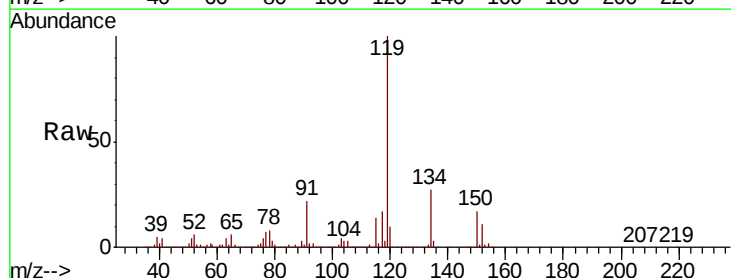
Tgt Ion:119 Resp: 685001

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 22.9 11.3 33.9



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

12.07

600000

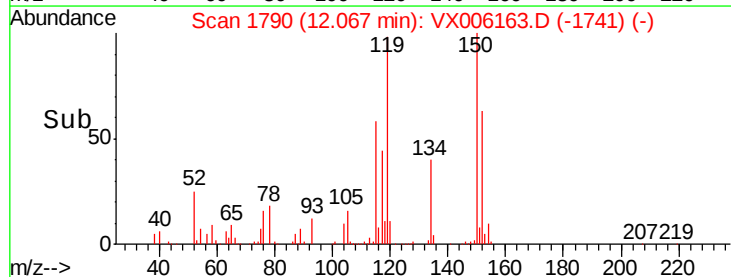
400000

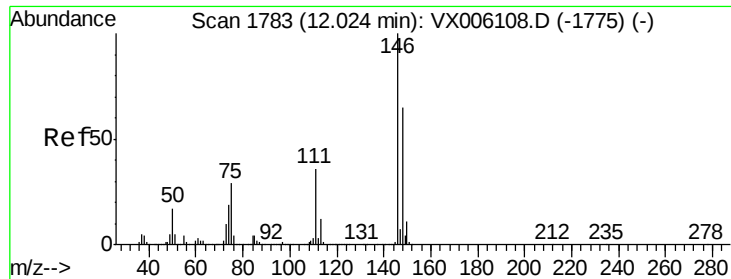
200000

0

12.00 12.10

Time-->





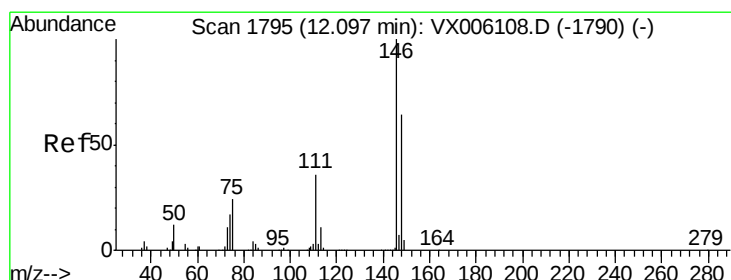
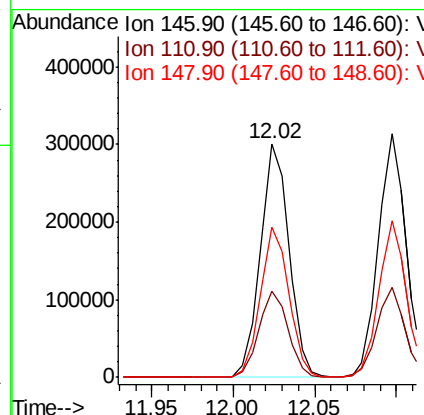
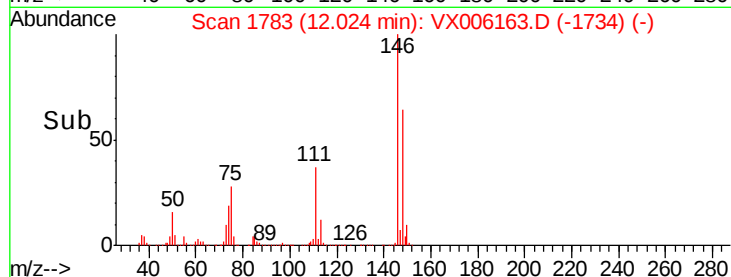
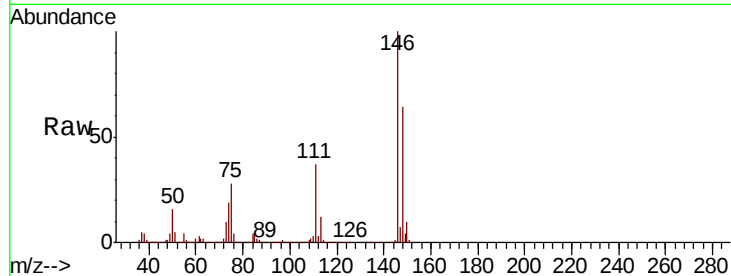
#87
 1,3-Dichlorobenzene
 Concen: 51.873 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	64.4	32.2	96.6

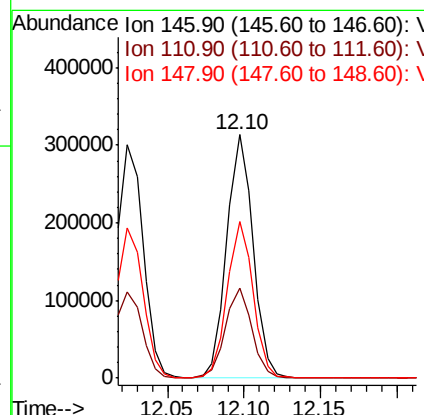
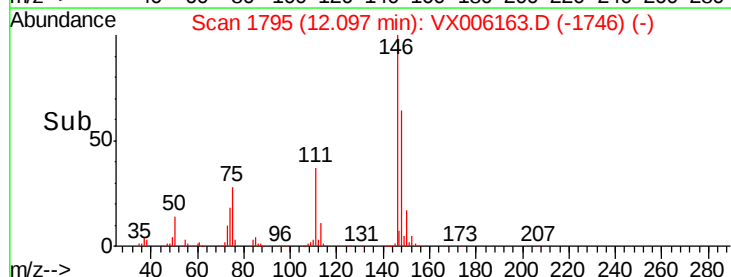
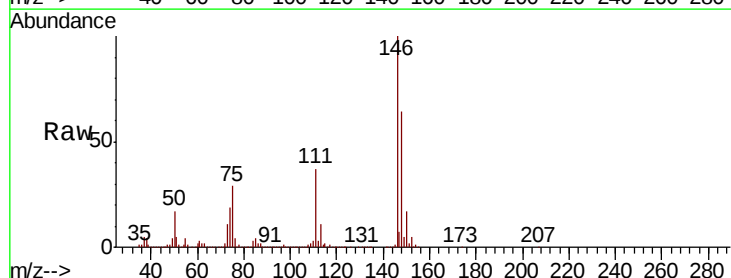
Manual Integrations
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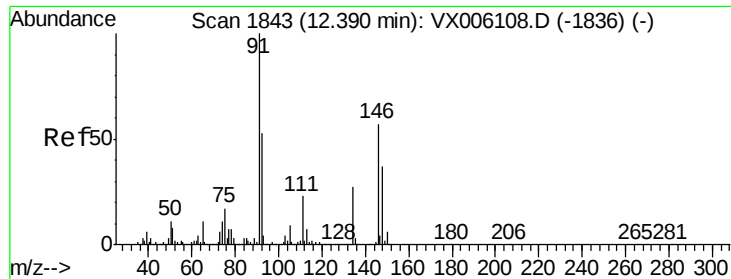
MMDadoda
 11/26/2018 9:49:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.537 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006163.D
 Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.3	54.9
148	63.3	32.2	96.6





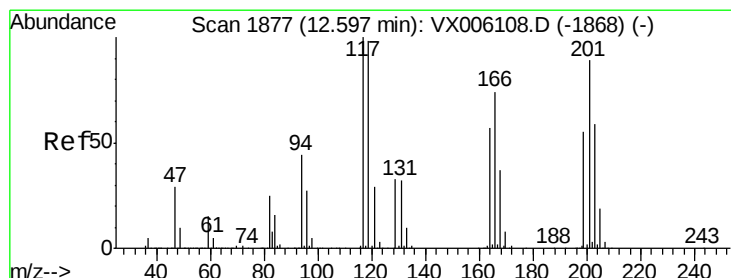
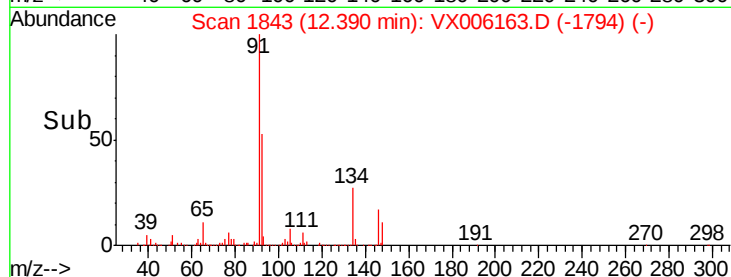
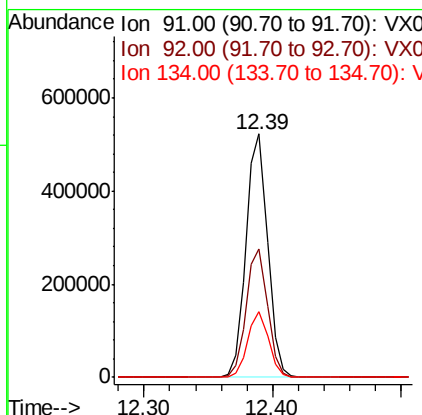
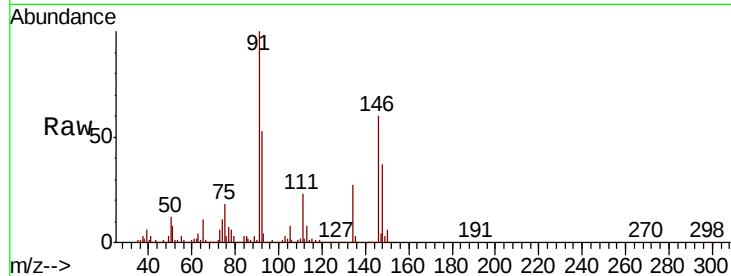
#89
n-Butylbenzene
Concen: 53.473 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.6	79.7
134	26.3	13.1	39.3

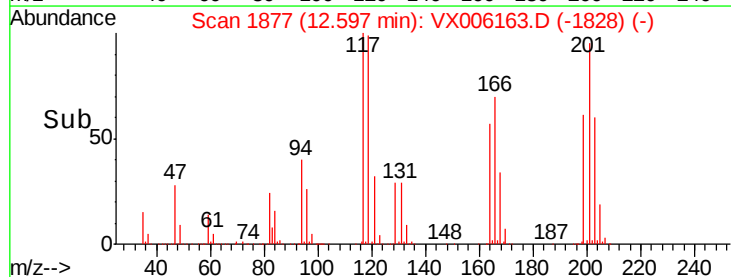
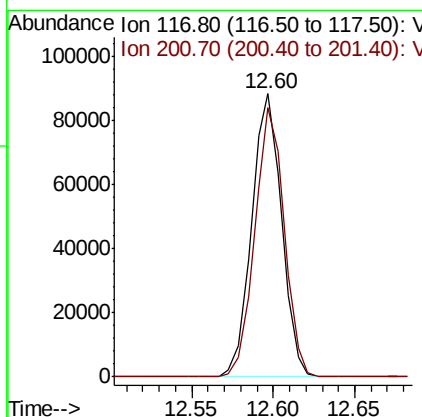
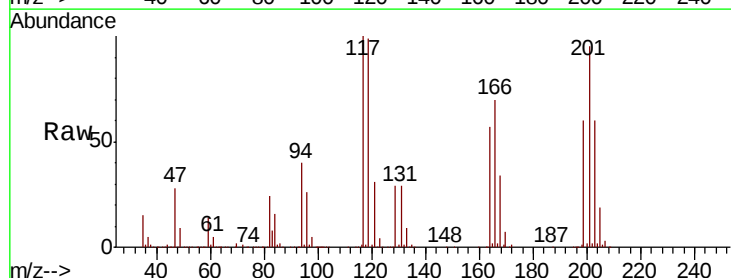
Manual Integrations
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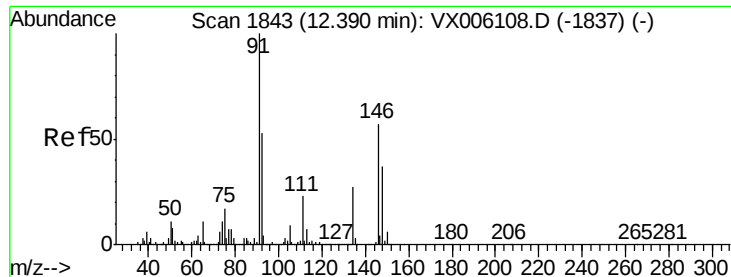
MMDadoda
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#90
Hexachloroethane
Concen: 57.085 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.3	46.1	138.2





#91

1,2-Dichlorobenzene

Concen: 51.650 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

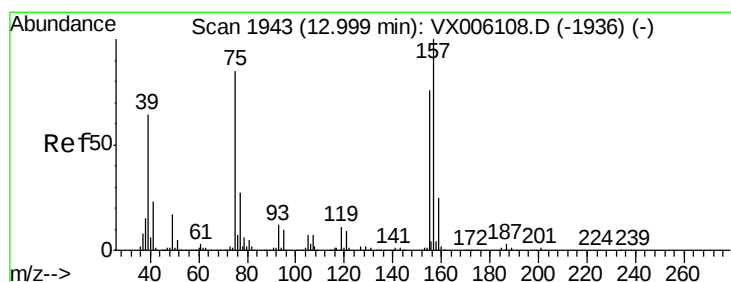
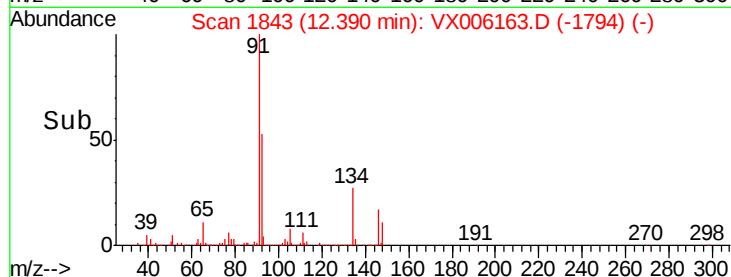
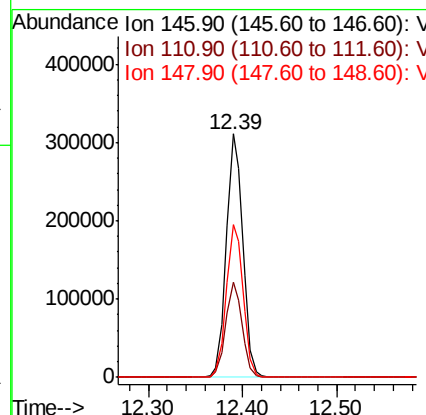
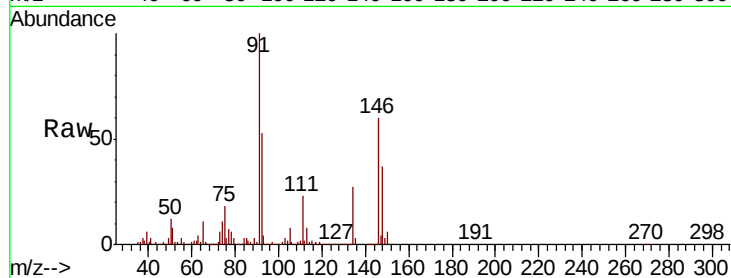
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	376452
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.6	58.8
148	64.0	32.0	96.0

Manual Integrations
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11/26/2018 9:49:40 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.000 ug/l

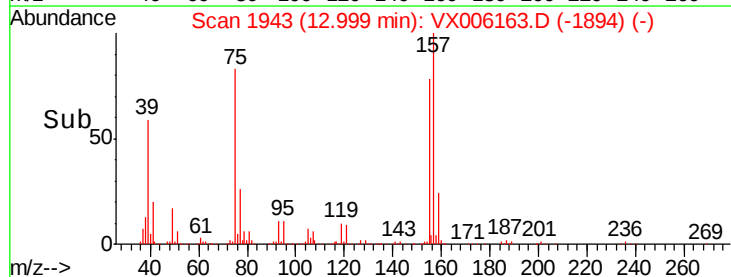
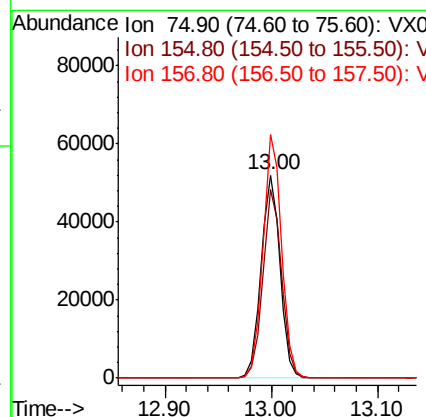
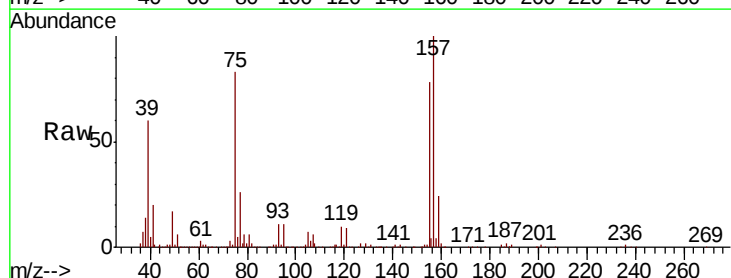
RT: 13.00 min Scan# 1943

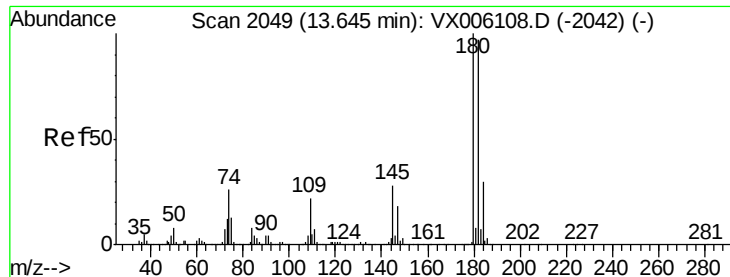
Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Tgt Ion:	75	Resp:	65176
Ion Ratio	Lower	Upper	
75	100		
155	91.3	46.1	138.3
157	117.4	59.8	179.3





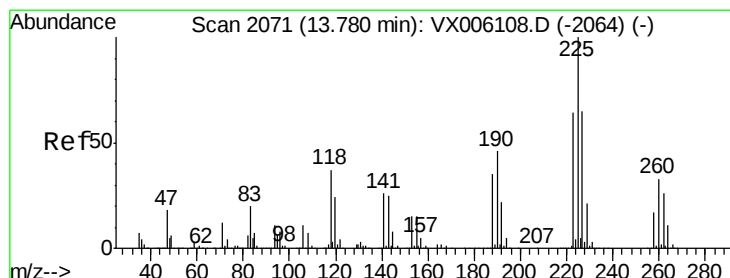
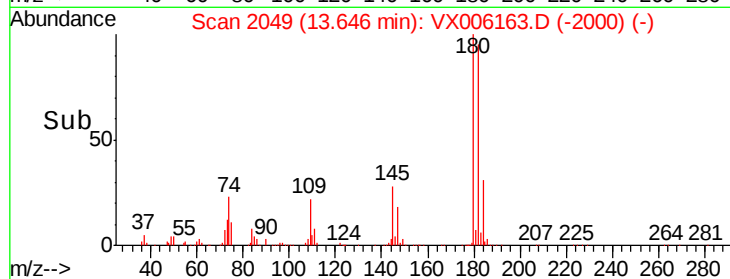
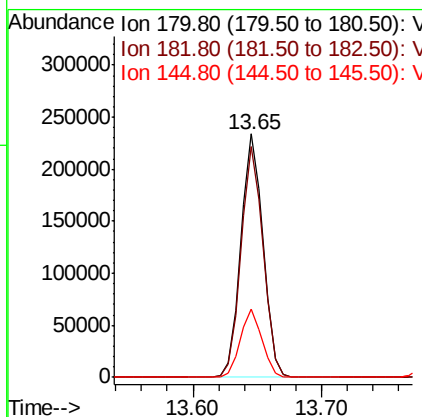
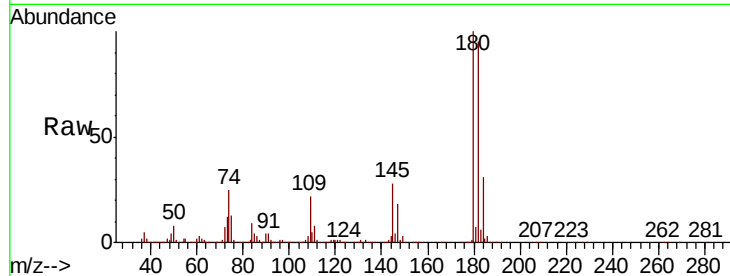
#93
1,2,4-Trichlorobenzene
Concen: 54.073 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	277637		
182	94.6	48.2	144.6	
145	27.6	14.1	42.2	

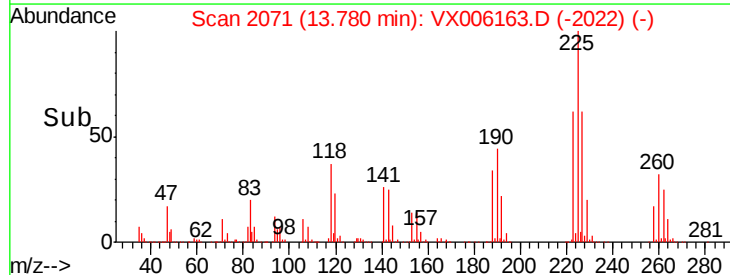
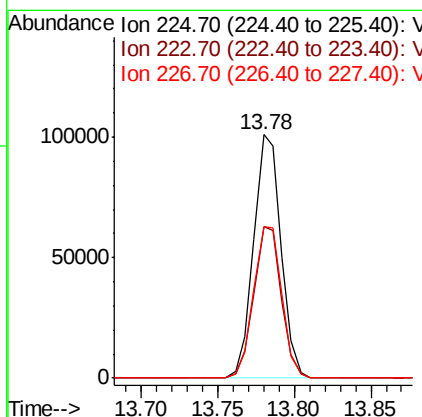
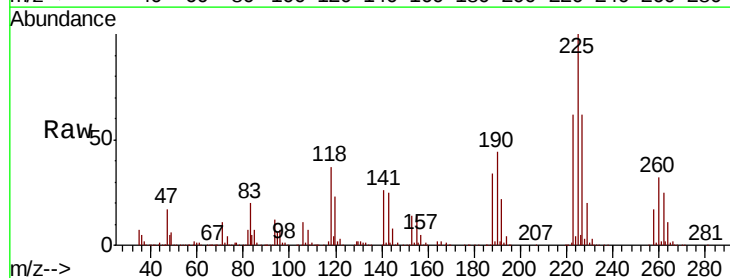
Manual Integrations
APPROVED

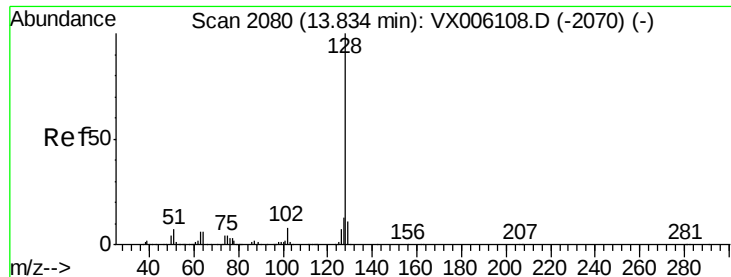
MMDadoda
11/26/2018 9:49:40 AM



#94
Hexachlorobutadiene
Concen: 50.275 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX006163.D
Acq: 22 Nov 2018 09:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125805		
223	62.5	31.2	93.6	
227	64.3	32.4	97.2	





#95

Naphthalene

Concen: 57.802 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Instrument :

MSVOA_X

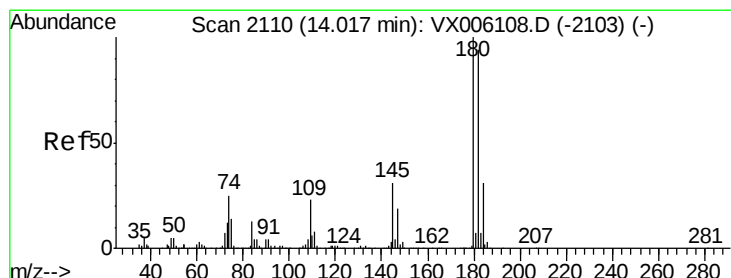
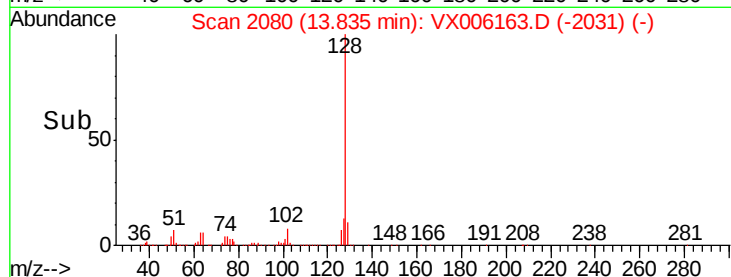
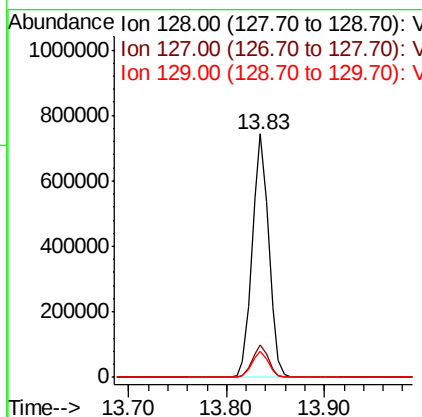
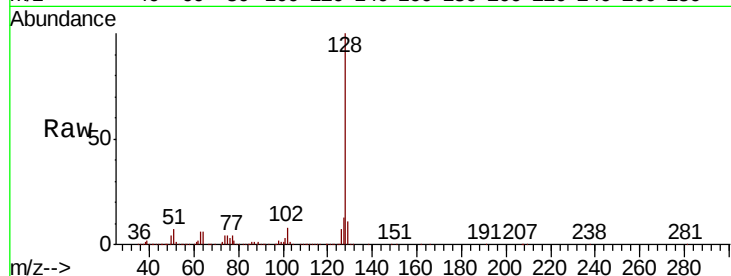
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	872689
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/26/2018 9:49:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 54.193 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX006163.D

Acq: 22 Nov 2018 09:48

Tgt Ion:	180	Resp:	283673
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.5	142.5
145	29.8	15.0	45.0

