

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100518\
 Data File : VX005110.D
 Acq On : 06 Oct 2018 11:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 2:02:45 PM

Quant Time: Oct 08 07:57:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230591	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	305418	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	182573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	159278	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	5.49	113	137637	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	8.72	98	449043	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	11.14	95	172175	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	164896	52.447	ug/l	99
3) Chloromethane	1.32	50	186239	48.824	ug/l	96
4) Vinyl Chloride	1.40	62	181577	50.754	ug/l	98
5) Bromomethane	1.64	94	126803	59.771	ug/l	96
6) Chloroethane	1.71	64	101026	51.905	ug/l	100
7) Trichlorofluoromethane	1.92	101	229393	51.793	ug/l	90
8) Diethyl Ether	2.19	74	94427	49.076	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	122456	48.538	ug/l	97
10) Methyl Iodide	2.51	142	138665	41.073	ug/l	96
11) Tert butyl alcohol	3.08	59	242507	263.299	ug/l	98
12) 1,1-Dichloroethene	2.37	96	123308	49.352	ug/l #	79
13) Acrolein	2.29	56	74566	113.787	ug/l	92
14) Allyl chloride	2.72	41	267035	48.983	ug/l	94
15) Acrylonitrile	3.15	53	512746	252.890	ug/l	93
16) Acetone	2.45	43	462485	240.489	ug/l	98
17) Carbon Disulfide	2.56	76	316997	42.222	ug/l	100
18) Methyl Acetate	2.78	43	299540	61.477	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	468373	54.346	ug/l	92
20) Methylene Chloride	2.85	84	141952	50.781	ug/l #	84
21) trans-1,2-Dichloroethene	3.16	96	132633	48.493	ug/l	92
22) Diisopropyl ether	3.87	45	508369	55.378	ug/l	92
23) Vinyl Acetate	3.82	43	2055814	244.653	ug/l	96
24) 1,1-Dichloroethane	3.70	63	277144	50.611	ug/l	99
25) 2-Butanone	4.70	43	734764	259.203	ug/l	100
26) 2,2-Dichloropropane	4.59	77	102890	26.982	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	158330	51.819	ug/l	94
28) Bromochloromethane	5.03	49	126865	49.197	ug/l	98
29) Tetrahydrofuran	5.16	42	469126	266.266	ug/l	98
30) Chloroform	5.22	83	262856	50.790	ug/l	85
31) Cyclohexane	5.57	56	218009	52.017	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	217168	51.382	ug/l	94
36) 1,1-Dichloropropene	5.80	75	183028	51.826	ug/l	95
37) Ethyl Acetate	4.86	43	257825	54.998	ug/l	98
38) Carbon Tetrachloride	5.79	117	186049	50.116	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	184297	51.106	ug/l #	85
40) Benzene	6.14	78	560782	50.720	ug/l	100
41) Methacrylonitrile	5.06	41	144736	55.672	ug/l	97
42) 1,2-Dichloroethane	6.19	62	201660	51.595	ug/l	98
43) Isopropyl Acetate	6.46	43	393277	58.123	ug/l	98
44) Trichloroethene	7.21	130	137124	50.450	ug/l	98
45) 1,2-Dichloropropane	7.51	63	143469	52.914	ug/l	95
46) Dibromomethane	7.66	93	88312	51.826	ug/l	100
47) Bromodichloromethane	7.90	83	172343	54.020	ug/l	99
48) Methyl methacrylate	7.78	41	179382	58.410	ug/l	100
49) 1,4-Dioxane	7.76	88	78991	1035.296	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1228624	288.387	ug/l	99
52) Toluene	8.79	92	320086	52.686	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	177087	49.120	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	189668	50.228	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	135059	50.751	ug/l	96
56) Ethyl methacrylate	9.18	69	215895	49.995	ug/l	98
57) 1,3-Dichloropropane	9.37	76	229187	51.746	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	577921	251.922	ug/l	99
59) 2-Hexanone	9.50	43	972257	273.859	ug/l	96
60) Dibromochloromethane	9.59	129	140904	52.944	ug/l	99
61) 1,2-Dibromoethane	9.67	107	138872	48.727	ug/l	95
64) Tetrachloroethene	9.34	164	139696	48.457	ug/l	95
65) Chlorobenzene	10.14	112	364041	48.467	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	132926	50.339	ug/l	100
67) Ethyl Benzene	10.25	91	618634	51.878	ug/l	94
68) m/p-Xylenes	10.36	106	477051	102.374	ug/l	94
69) o-Xylene	10.70	106	233578	54.573	ug/l	99
70) Styrene	10.71	104	397190	49.634	ug/l	100
71) Bromoform	10.86	173	117236	51.859	ug/l	96
73) Isopropylbenzene	11.02	105	630856	54.820	ug/l	100
74) N-amyl acetate	10.90	43	314238	49.692	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	229228	48.934	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	208977m	51.068	ug/l	
77) Bromobenzene	11.26	156	170202	50.920	ug/l	99
78) n-propylbenzene	11.36	91	727855	55.124	ug/l	99
79) 2-Chlorotoluene	11.42	91	437421	53.148	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	542836	51.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52470	35.568	ug/l	99
82) 4-Chlorotoluene	11.51	91	513930	53.052	ug/l	100
83) tert-Butylbenzene	11.77	119	538804	56.867	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	561232	51.604	ug/l	98
85) sec-Butylbenzene	11.94	105	653148	56.596	ug/l	100
86) p-Isopropyltoluene	12.07	119	582714	55.731	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	318151	50.974	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	322689	50.083	ug/l	99
89) n-Butylbenzene	12.39	91	512367	53.957	ug/l	100
90) Hexachloroethane	12.60	117	95896	55.085	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	322433	49.433	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	55937	54.384	ug/l	99

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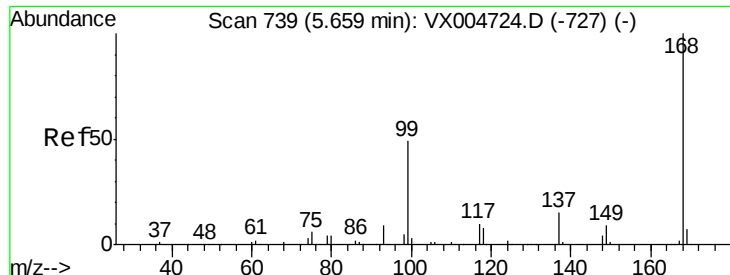
Manual Integrations
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QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	242663	53.035	ug/l	100
94) Hexachlorobutadiene	13.78	225	117530	49.535	ug/l	100
95) Naphthalene	13.83	128	786466	51.762	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	253502	53.634	ug/l	100

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



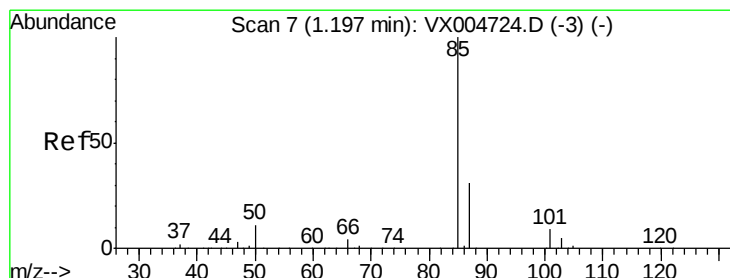
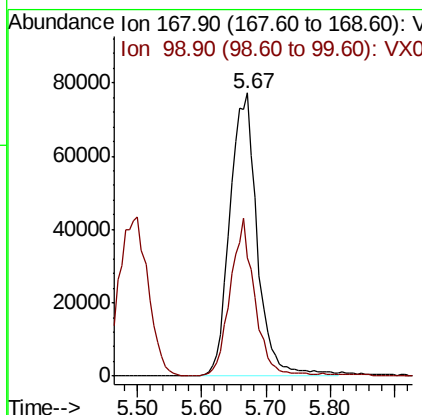
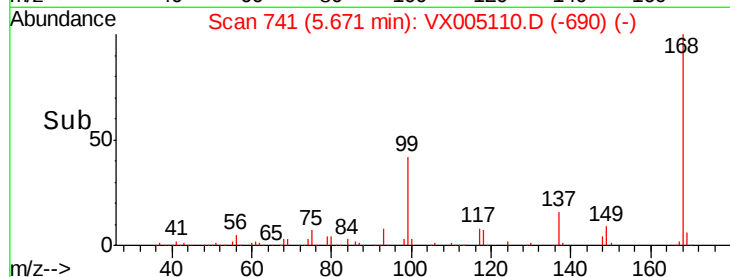
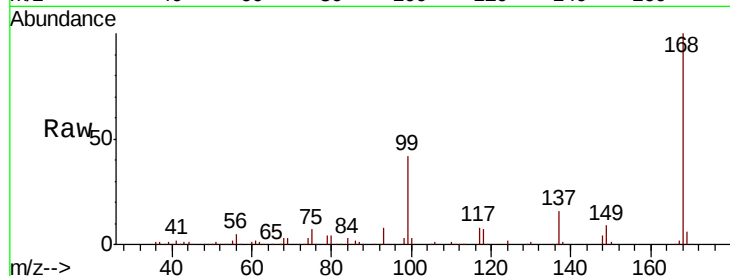
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.01 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	41.7	39.3	58.9

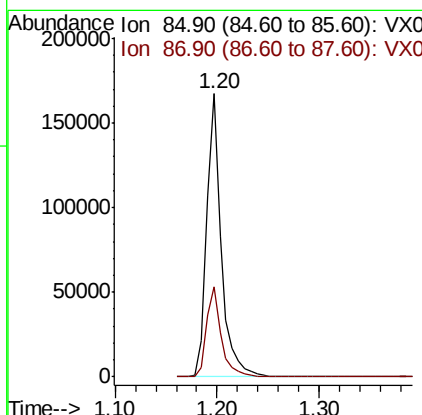
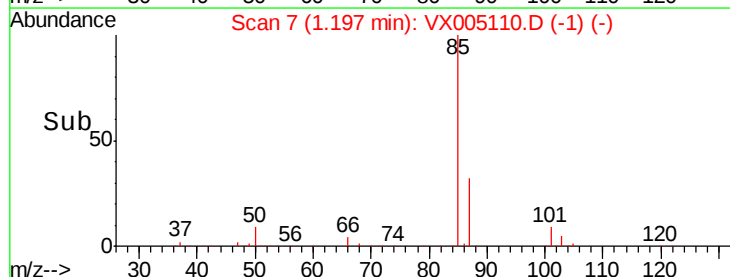
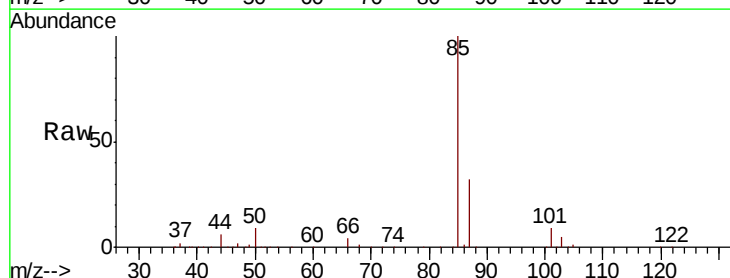
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#2
Dichlorodifluoromethane
Concen: 52.447 ug/l
RT: 1.20 min Scan# 7
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.8	15.7	47.1





#3

Chloromethane

Concen: 48.824 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 186239

Ion Ratio Lower Upper

50 100

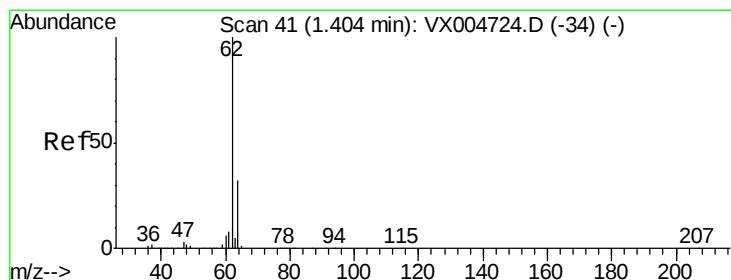
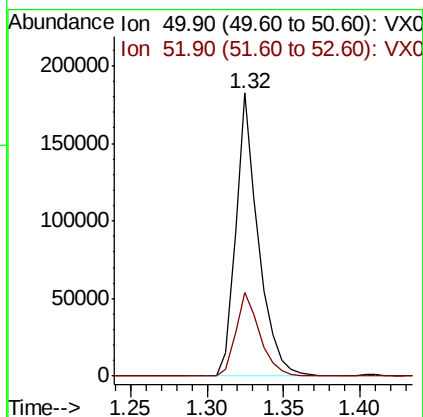
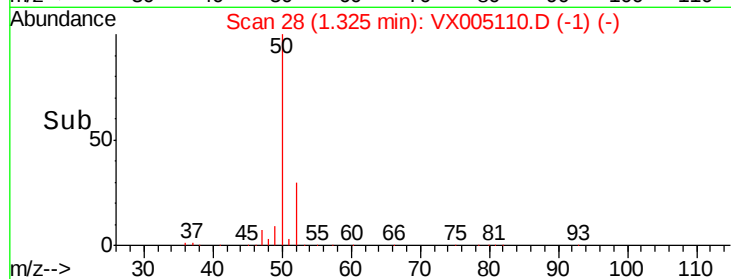
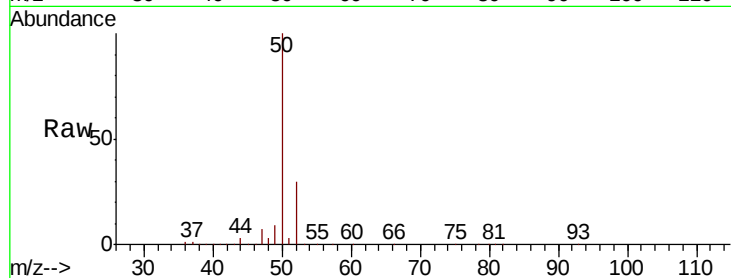
52 29.8 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.754 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005110.D

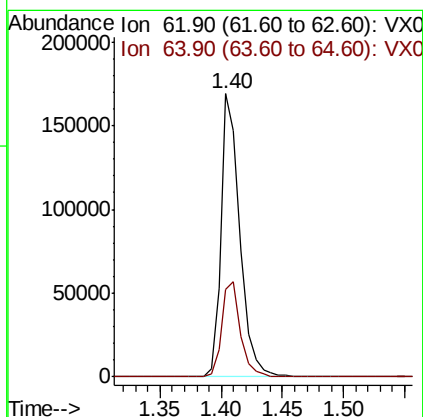
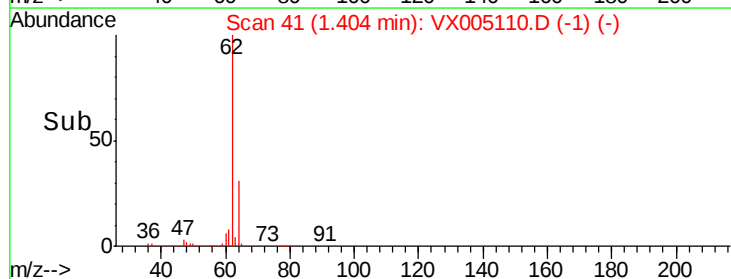
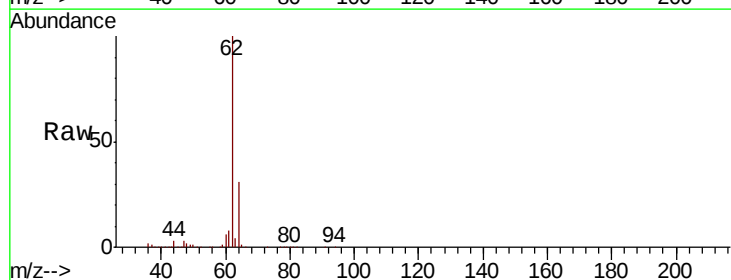
Acq: 06 Oct 2018 11:46

Tgt Ion: 62 Resp: 181577

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 59.771 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 126803

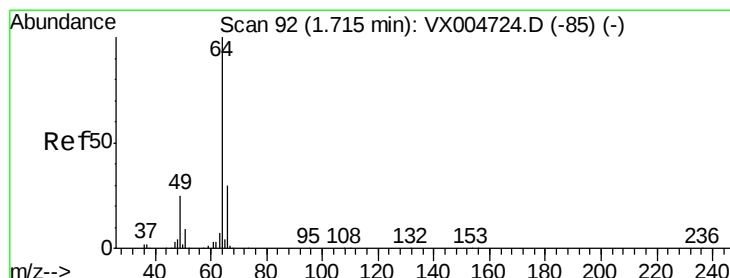
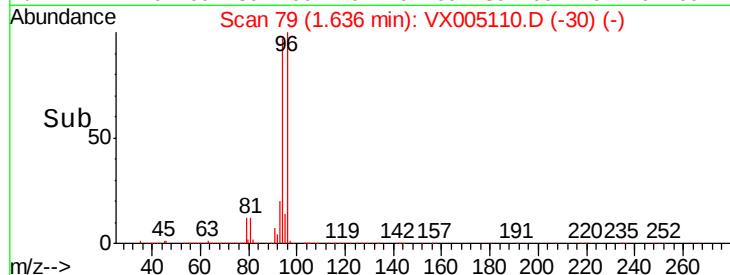
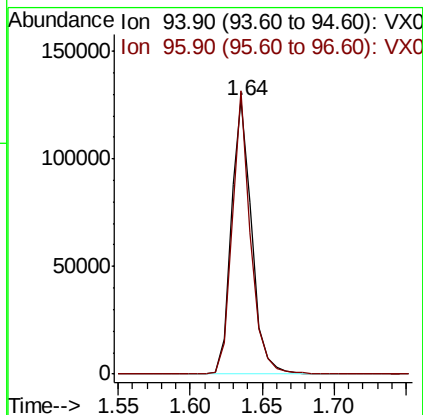
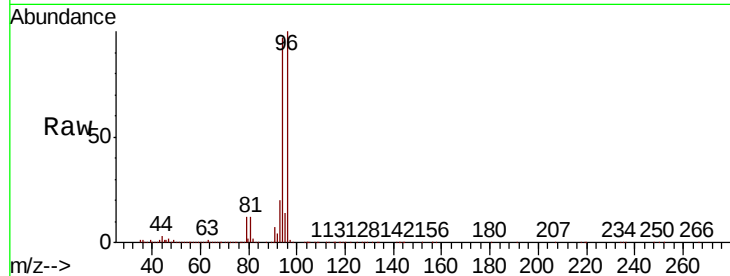
Ion Ratio Lower Upper

94 100

96 103.3 79.5 119.3

Manual Integrations
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#6

Chloroethane

Concen: 51.905 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005110.D

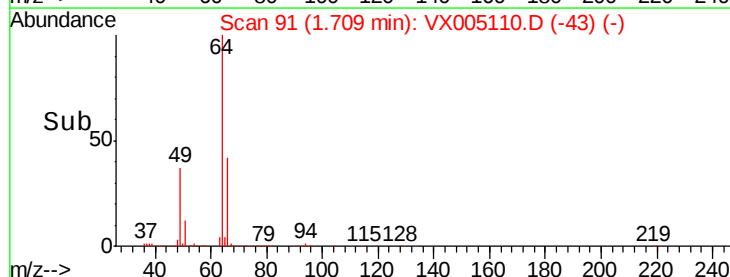
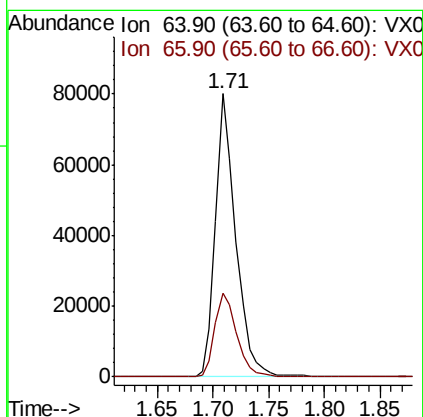
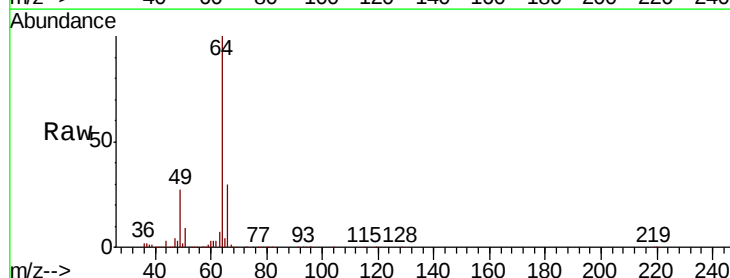
Acq: 06 Oct 2018 11:46

Tgt Ion: 64 Resp: 101026

Ion Ratio Lower Upper

64 100

66 29.5 23.8 35.6





#7

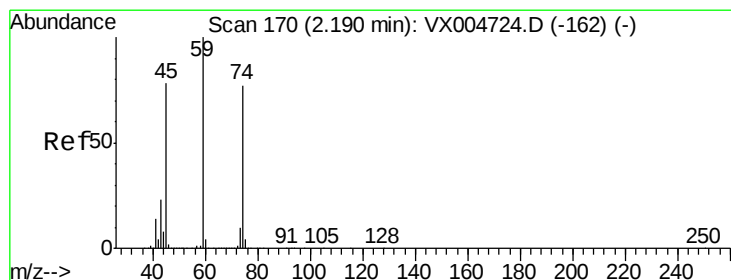
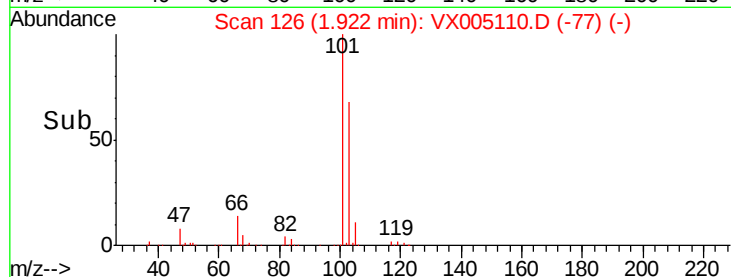
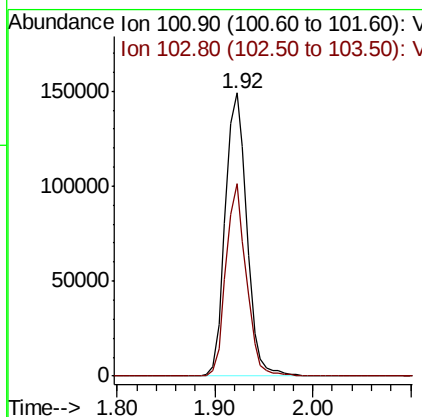
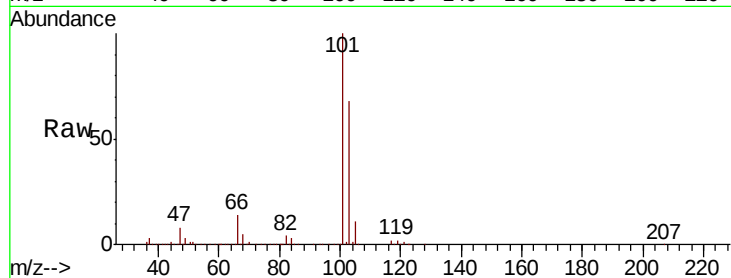
Trichlorofluoromethane
Concen: 51.793 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	48.4	72.6

Manual Integrations
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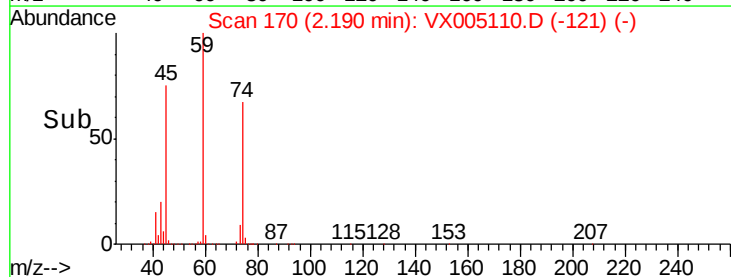
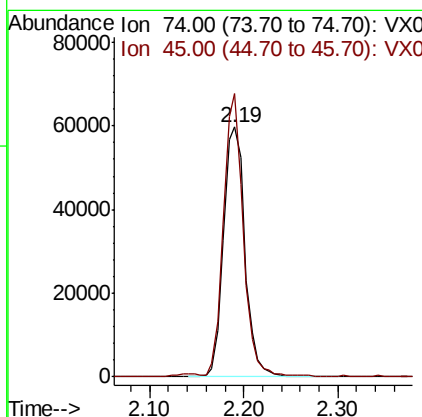
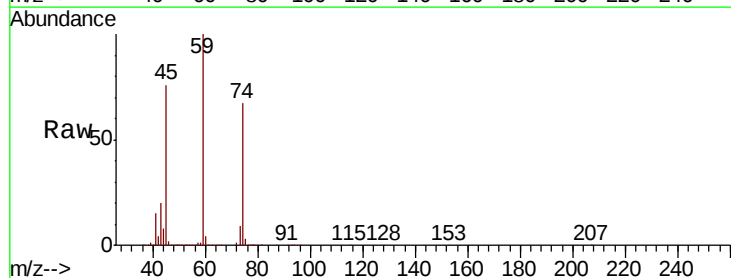
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#8

Diethyl Ether
Concen: 49.076 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	52.5	157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.538 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

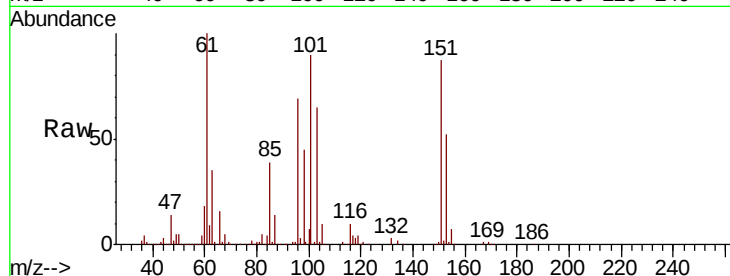
ClientSampleId :

VSTDCCC050EC

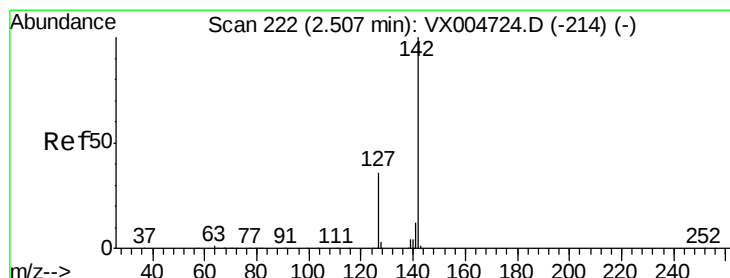
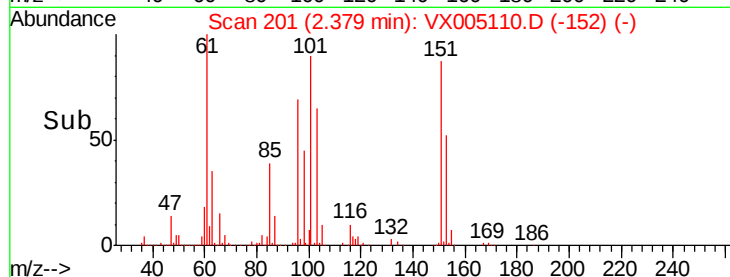
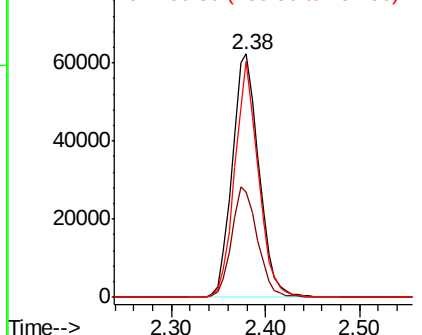
Tot Ion:	101	Resp:	122456
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.9	53.9
151	86.2	66.6	100.0

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



#10

Methyl Iodide

Concen: 41.073 ug/l

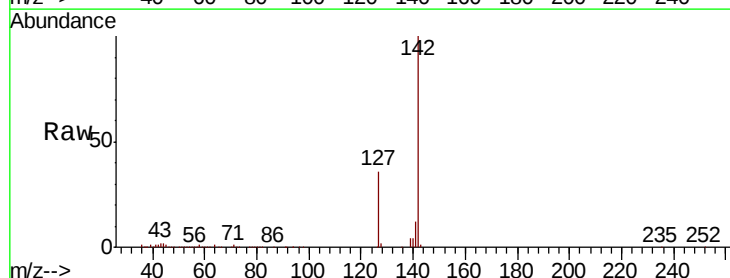
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

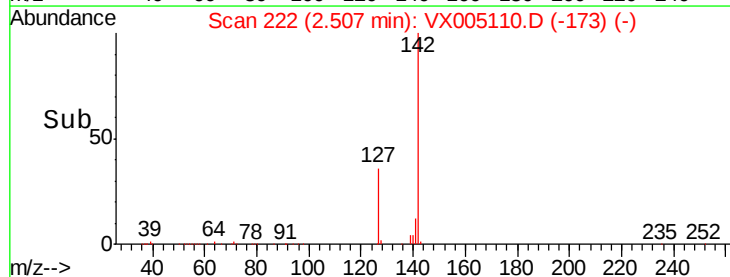
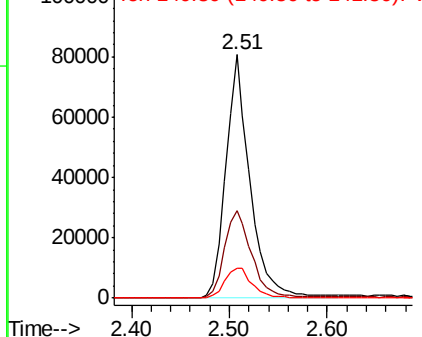
Lab File: VX005110.D

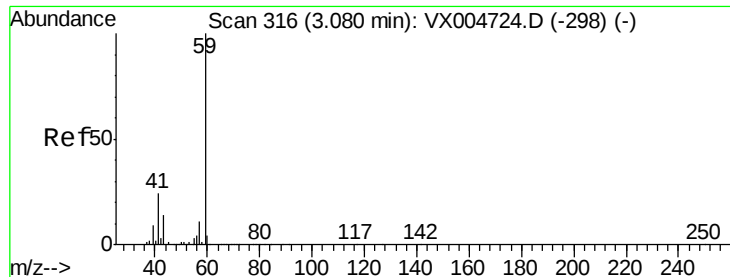
Acq: 06 Oct 2018 11:46

Tgt Ion:	142	Resp:	138665
Ion Ratio	Lower	Upper	
142	100		
127	40.4	30.1	45.1
141	14.0	10.1	15.1



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





#11

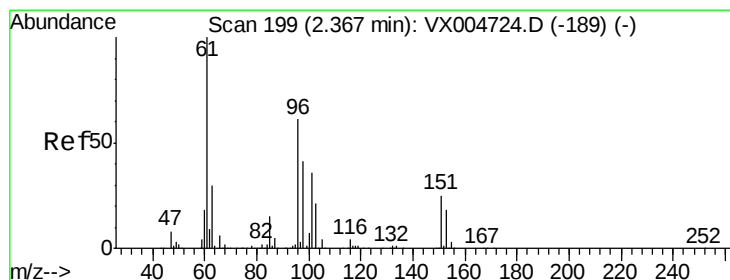
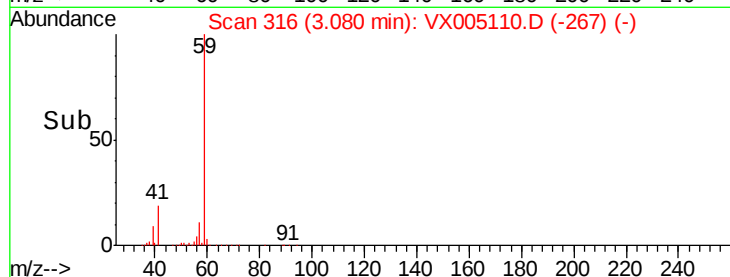
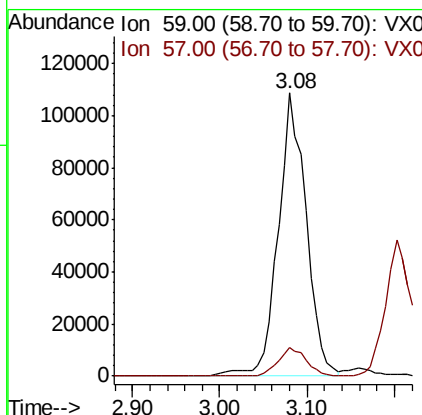
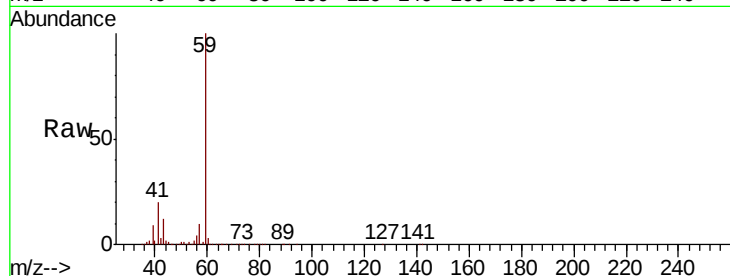
Tert butyl alcohol
Concen: 263.299 ug/l
RT: 3.08 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.6	12.8

Manual Integrations
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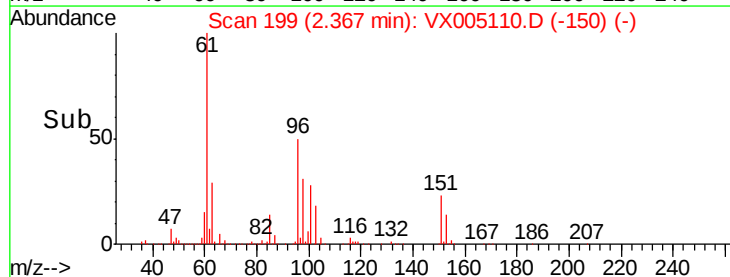
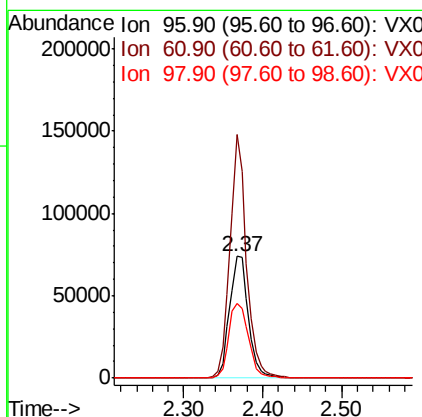
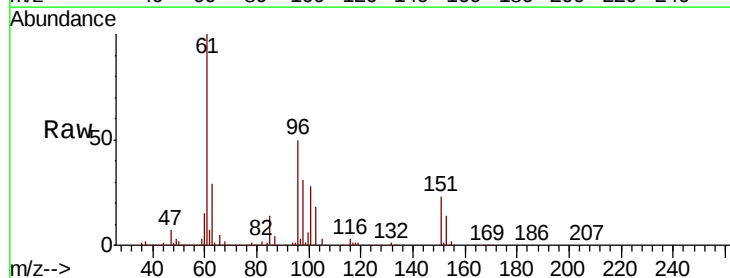
MMDadoda
10/8/2018 2:02:45 PM



#12

1,1-Dichloroethene
Concen: 49.352 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.8	130.2	195.4#
98	61.8	53.4	80.0





#13

Acrolein

Concen: 113.787 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 74566

Ion Ratio Lower Upper

56 100

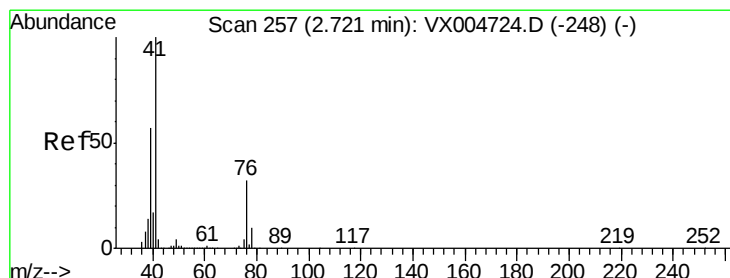
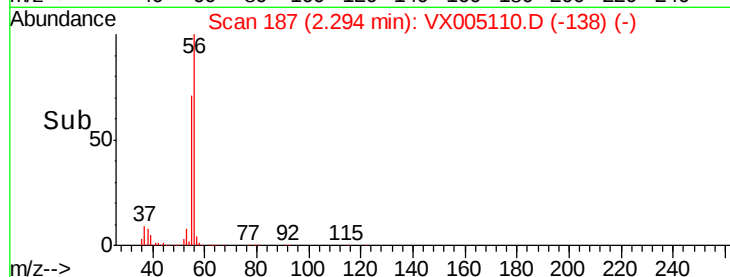
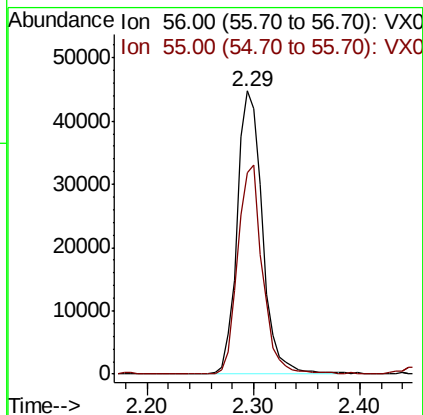
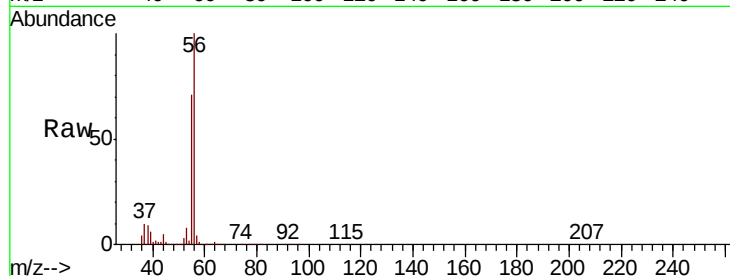
55 71.9 63.4 95.2

Manual Integrations

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#14

Allyl chloride

Concen: 48.983 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

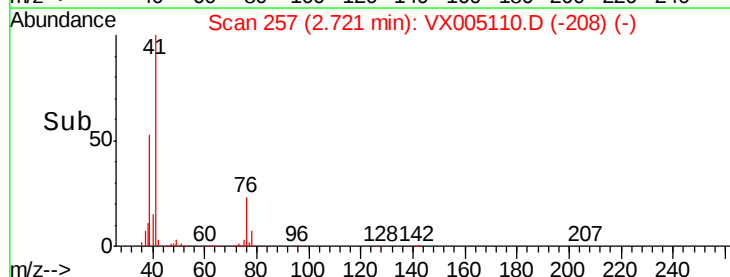
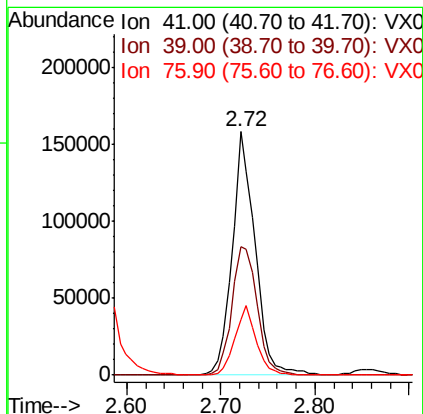
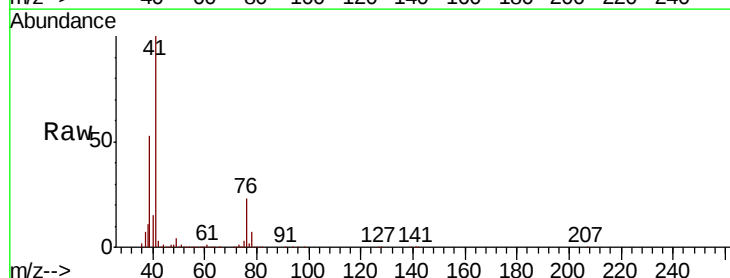
Tgt Ion: 41 Resp: 267035

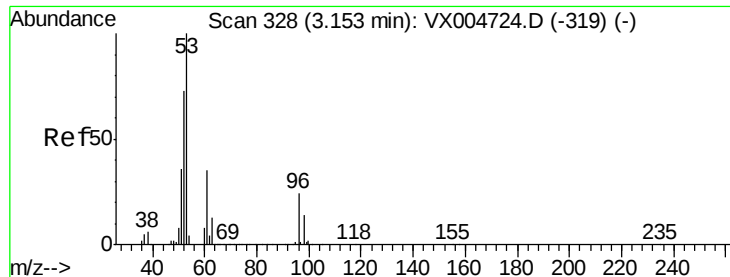
Ion Ratio Lower Upper

41 100

39 58.0 44.1 66.1

76 26.4 25.0 37.4





#15

Acrylonitrile

Concen: 252.890 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

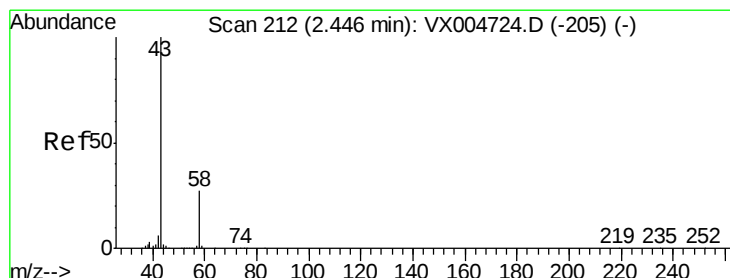
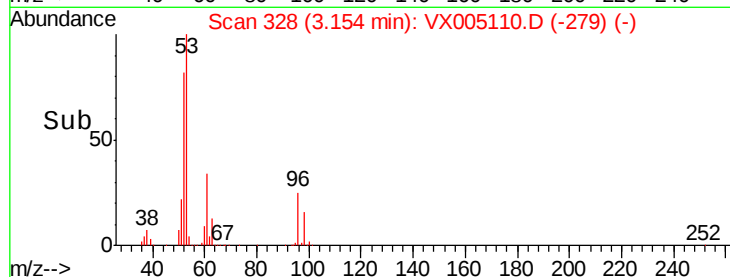
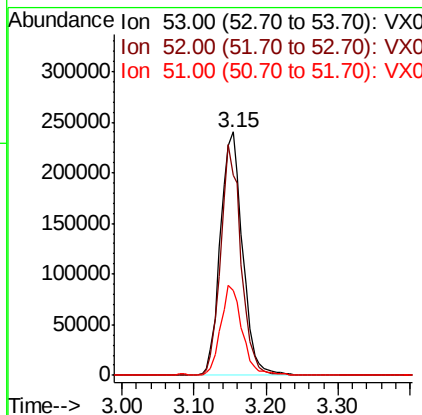
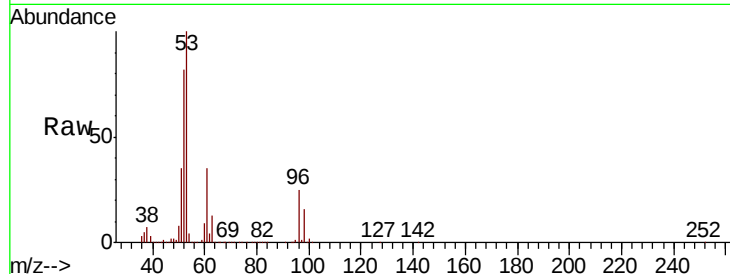
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	512746
Ion	Ratio	Lower	Upper
53	100		
52	87.0	63.0	94.4
51	36.0	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 240.489 ug/l

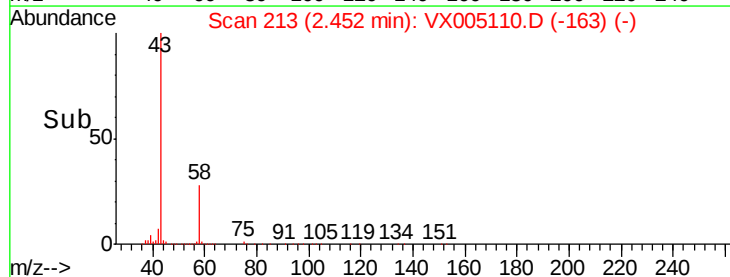
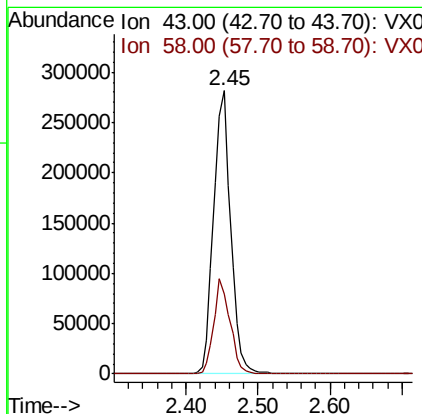
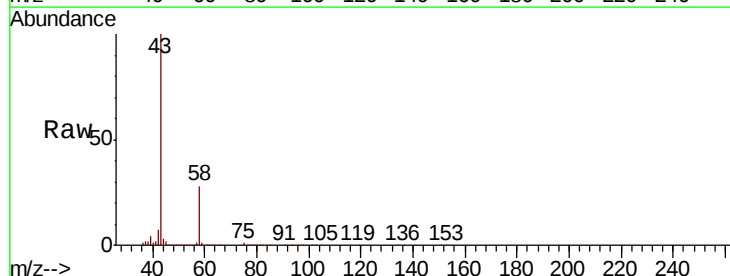
RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion:	43	Resp:	462485
Ion	Ratio	Lower	Upper
43	100		
58	28.0	21.8	32.6





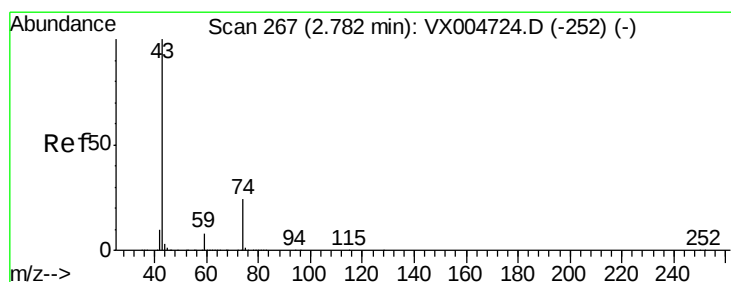
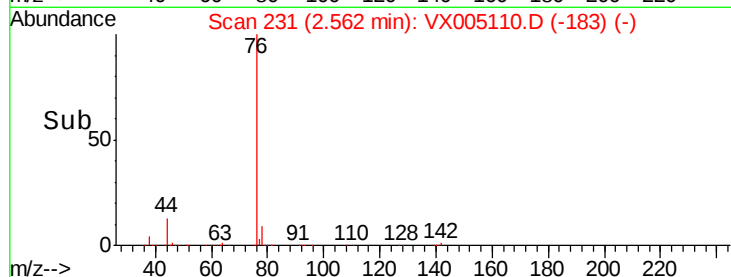
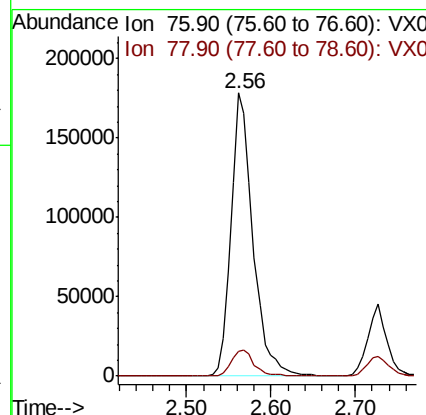
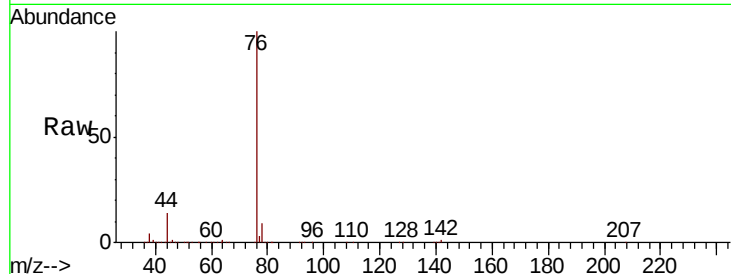
#17
Carbon Disulfide
Concen: 42.222 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

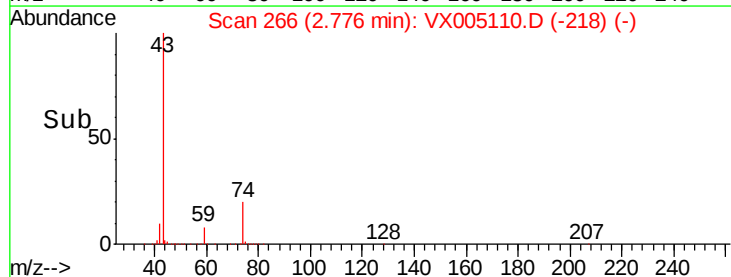
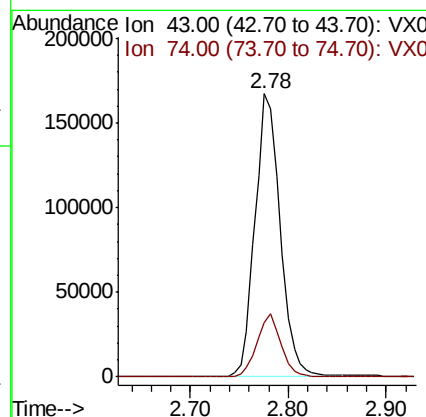
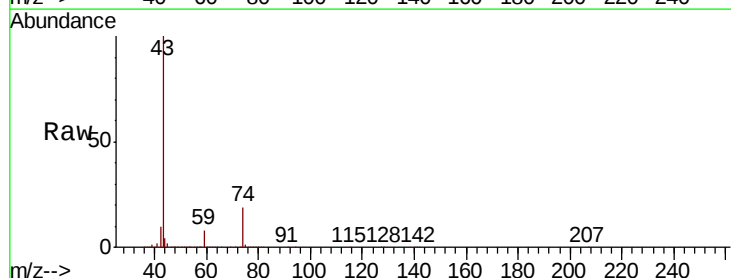
Manual Integrations
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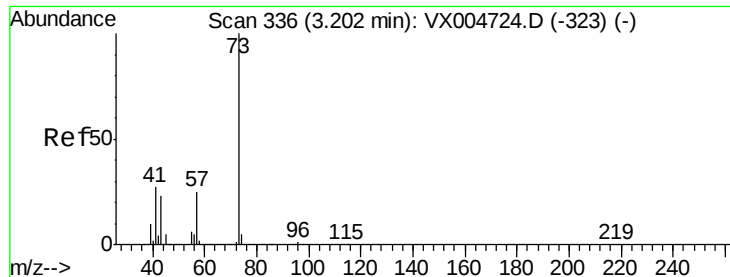
MMDadoda
10/8/2018 2:02:45 PM



#18
Methyl Acetate
Concen: 61.477 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.8	26.8





#19

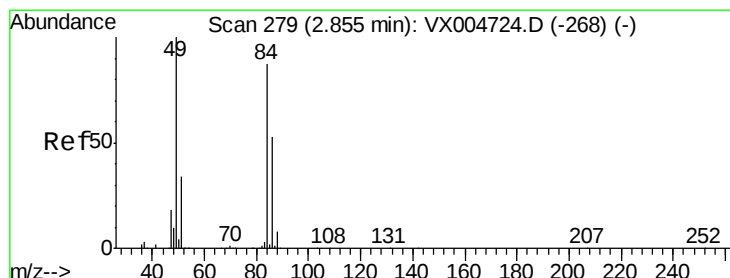
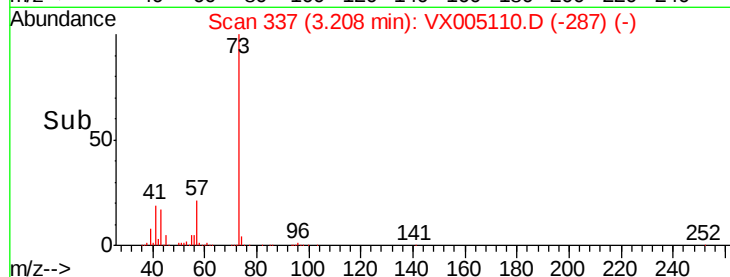
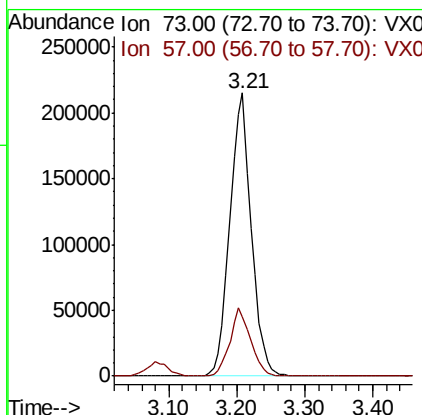
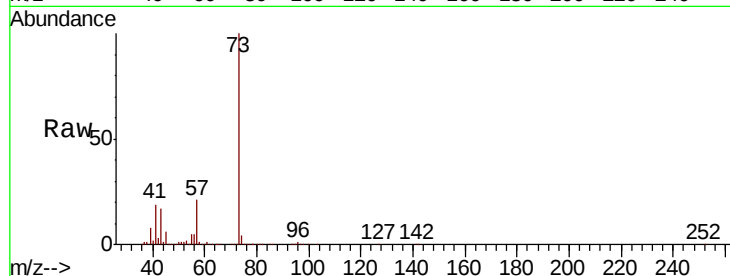
Methyl tert-butyl Ether
 Concen: 54.346 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	19.9	29.9

Manual Integrations
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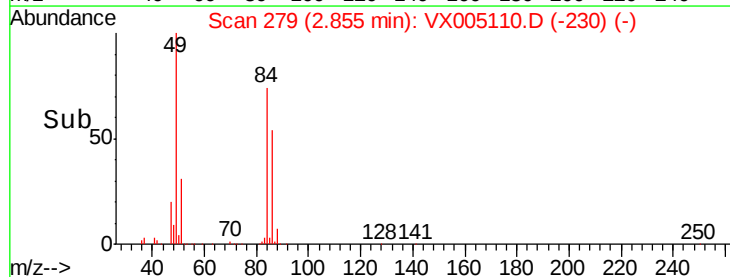
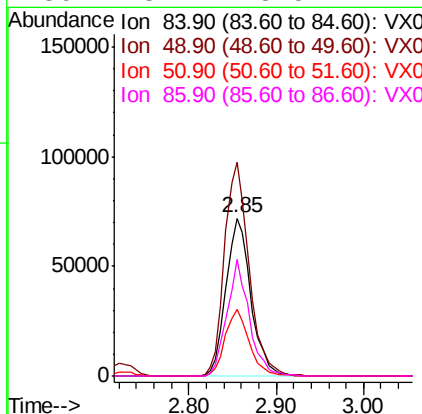
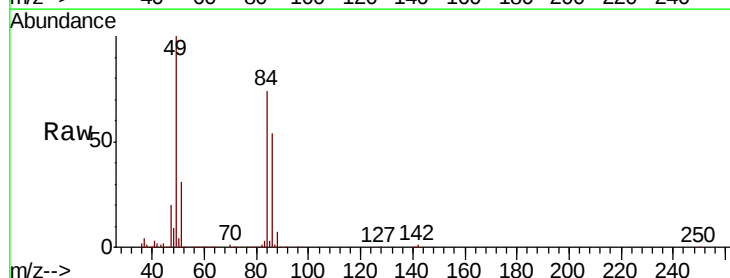
MMDadoda
 10/8/2018 2:02:45 PM

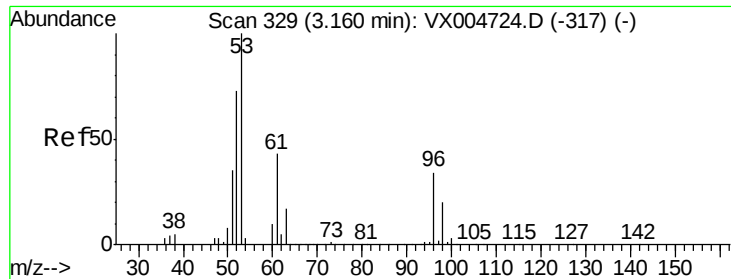


#20

Methylene Chloride
 Concen: 50.781 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.6	92.3	138.5
51	42.1	31.8	47.6
86	73.7	48.5	72.7#





#21

trans-1,2-Dichloroethene

Concen: 48.493 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

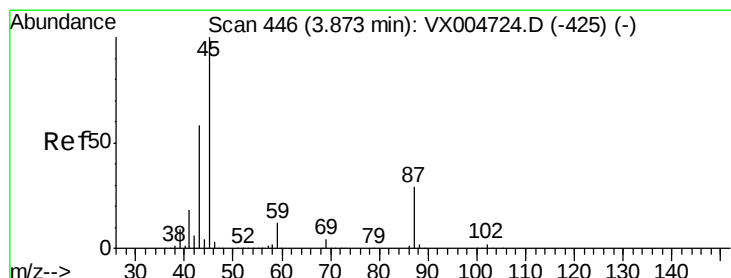
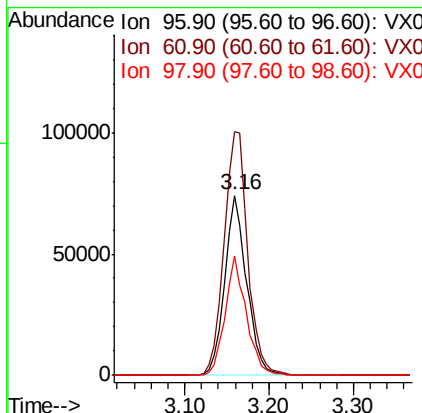
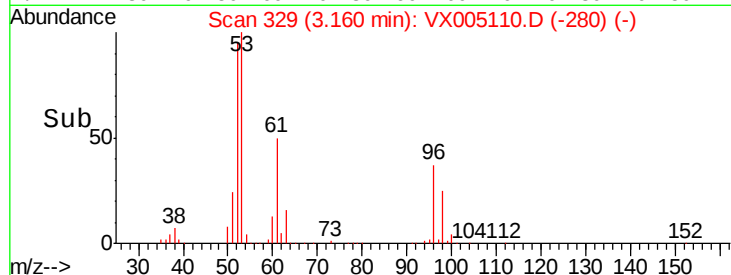
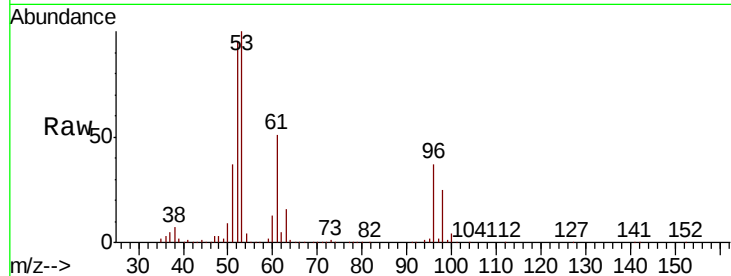
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	132633
Ion	Ratio	Lower	Upper
96	100		
61	135.1	101.0	151.6
98	66.0	47.2	70.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.378 ug/l

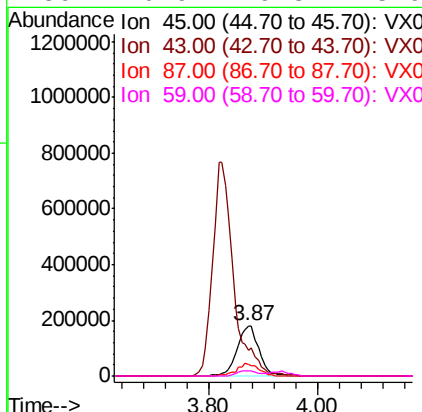
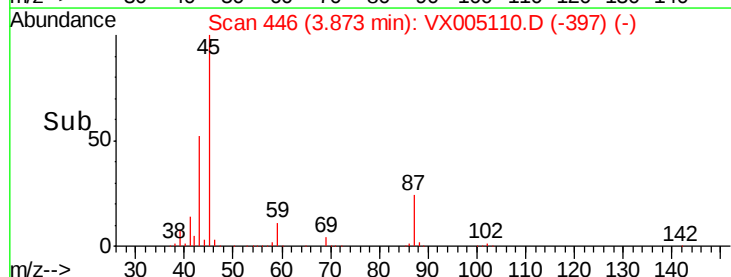
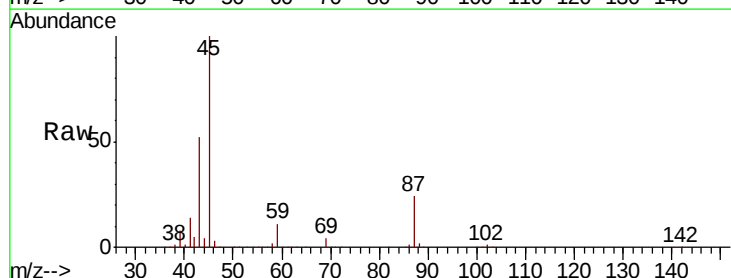
RT: 3.87 min Scan# 446

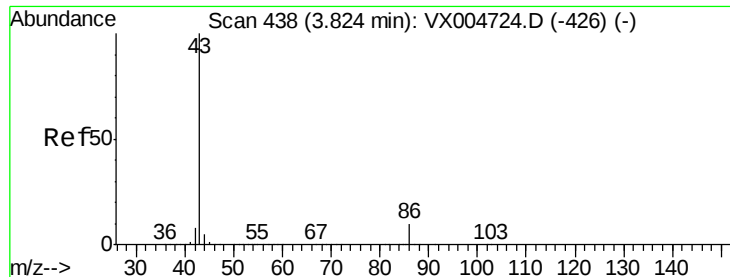
Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion:	45	Resp:	508369
Ion	Ratio	Lower	Upper
45	100		
43	51.5	46.7	70.1
87	23.9	22.9	34.3
59	10.9	9.3	13.9





#23

Vinyl Acetate

Concen: 244.653 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2055814

Ion Ratio Lower Upper

43 100

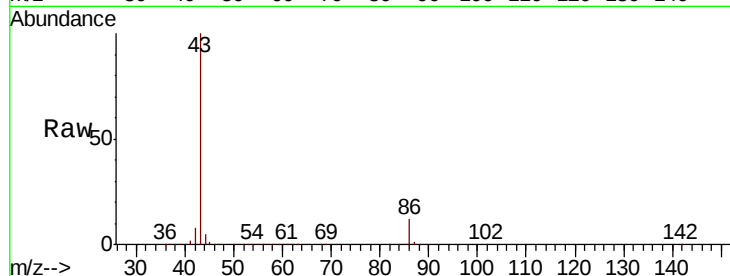
86 11.6 8.1 12.1

Manual Integrations

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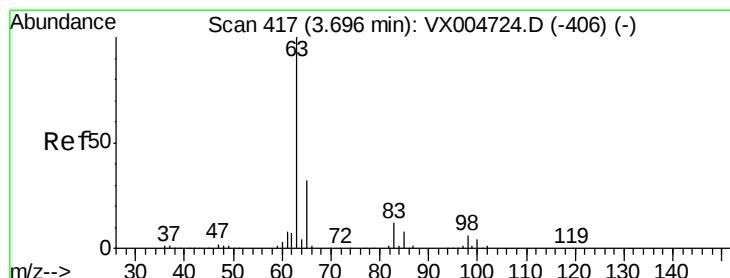
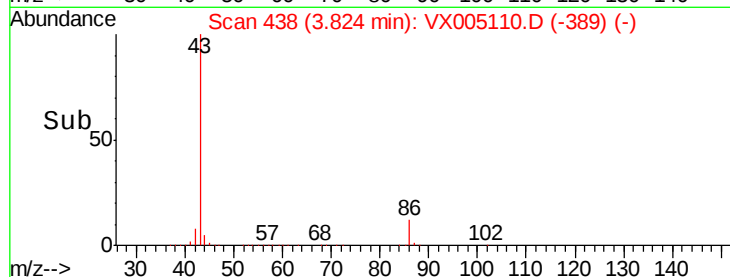
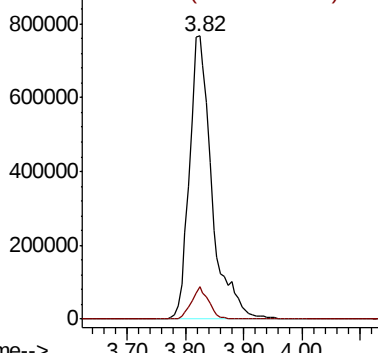
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.611 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

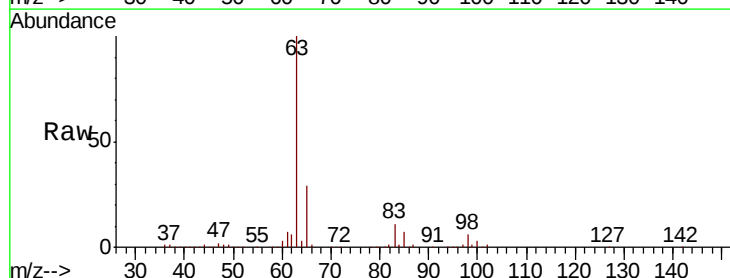
Tgt Ion: 63 Resp: 277144

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

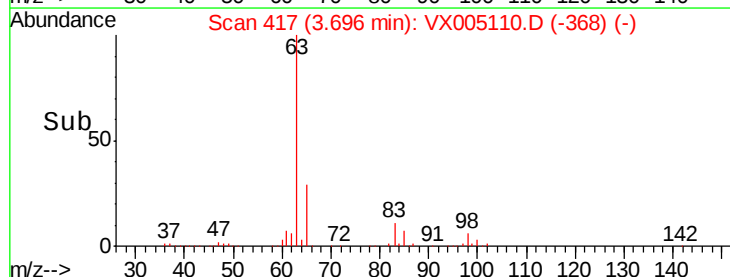
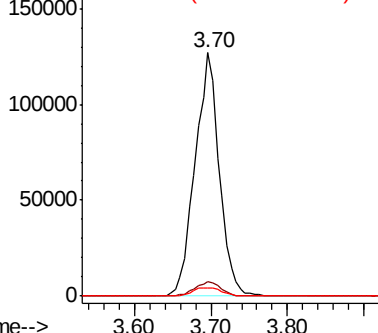
100 3.5 2.0 5.8

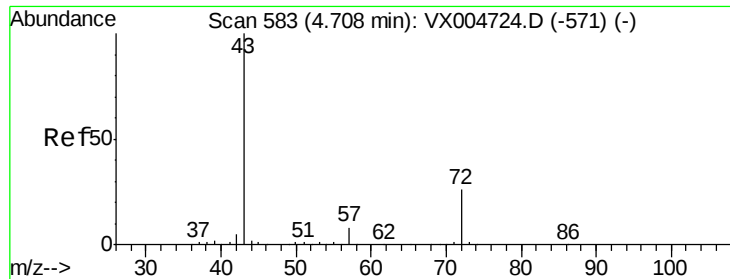


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 259.203 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 734764

Ion Ratio Lower Upper

43 100

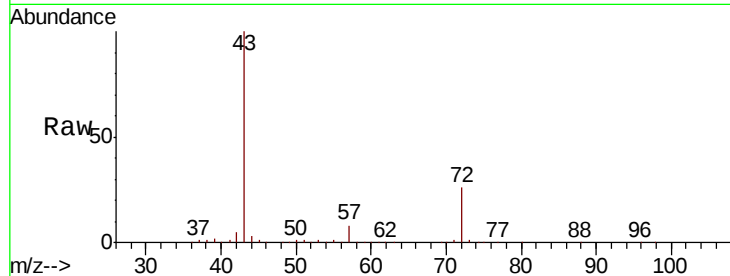
72 26.1 20.8 31.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

300000

250000

200000

150000

100000

50000

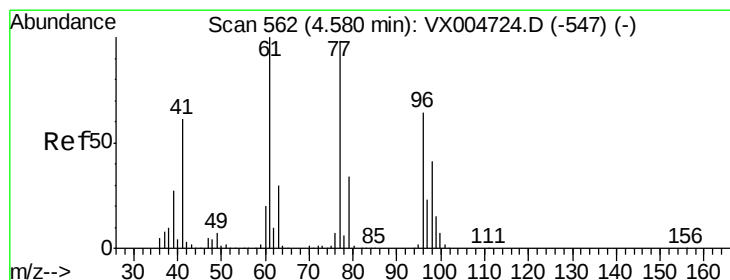
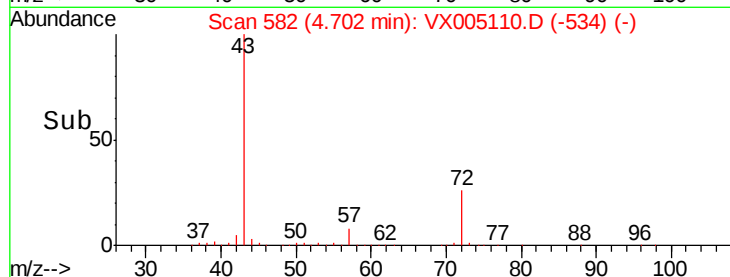
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 26.982 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005110.D

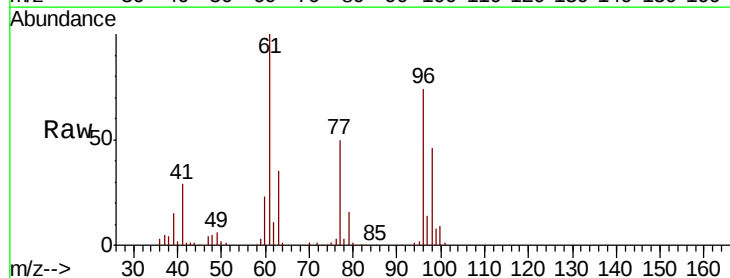
Acq: 06 Oct 2018 11:46

Tgt Ion: 77 Resp: 102890

Ion Ratio Lower Upper

77 100

97 25.9 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

10000

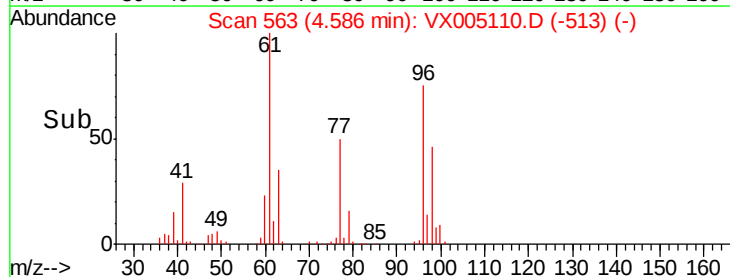
0

4.50

4.60

4.70

Time-->





#27

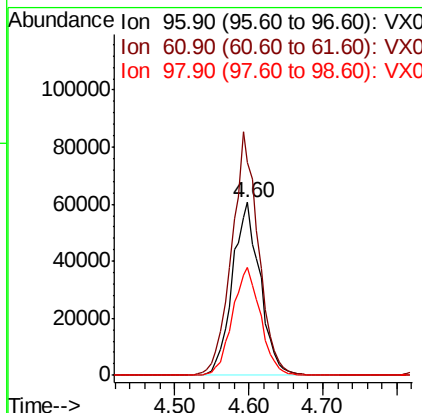
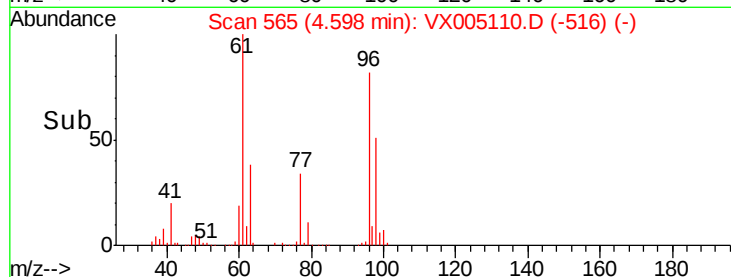
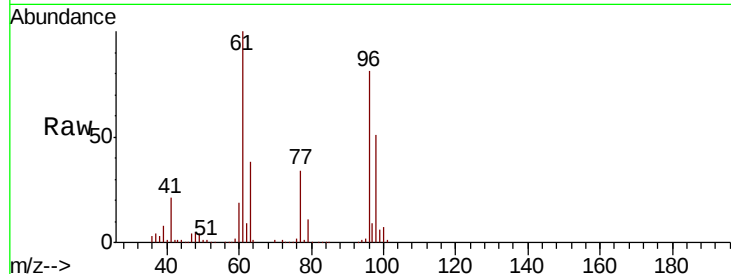
cis-1,2-Dichloroethene
Concen: 51.819 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.3	0.0	285.8	
98	63.0	0.0	136.2	

Manual Integrations
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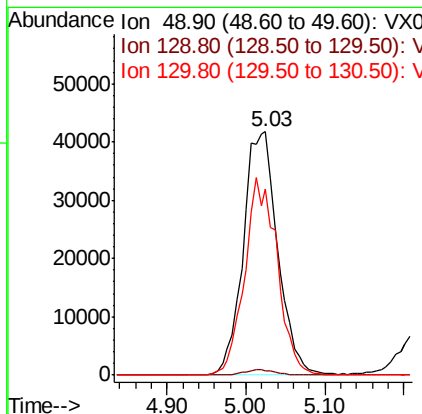
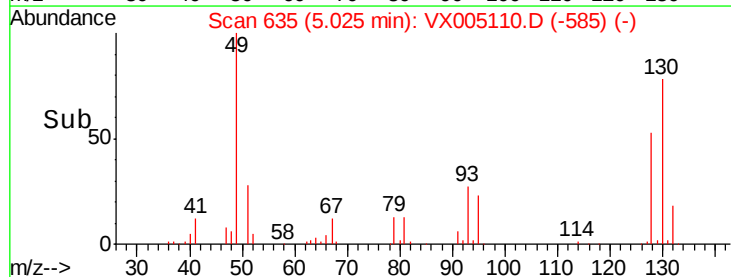
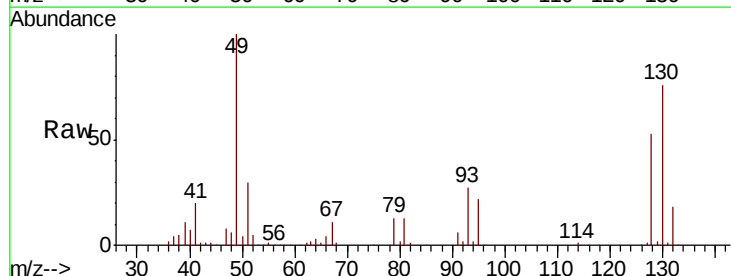
MMDadoda
10/8/2018 2:02:45 PM

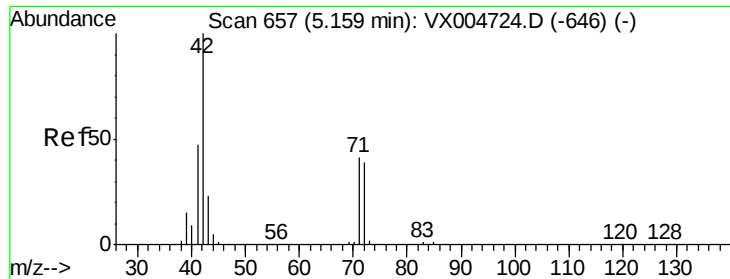


#28

Bromochloromethane
Concen: 49.197 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	76.1	62.0	93.0	





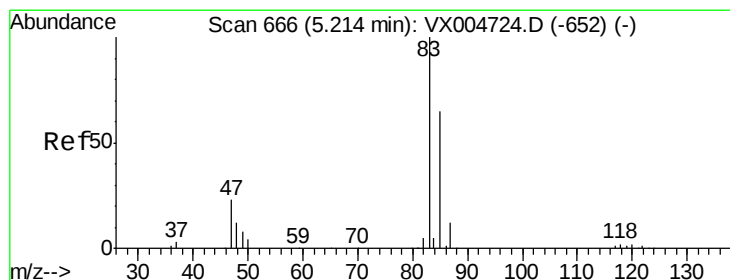
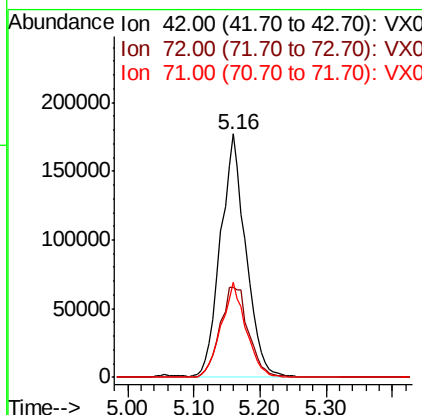
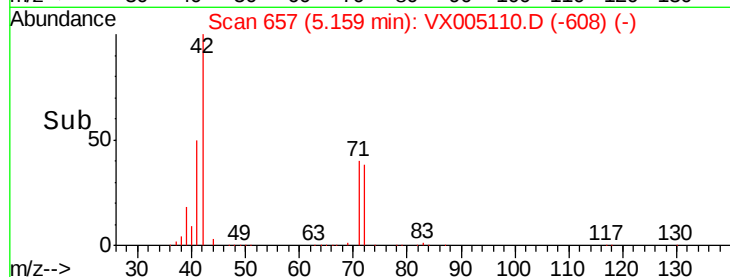
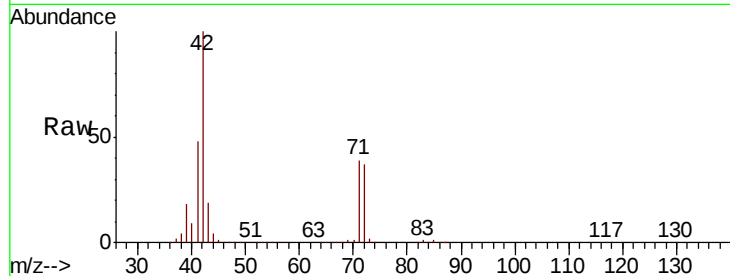
#29
Tetrahydrofuran
Concen: 266.266 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	38.2	32.2	48.4

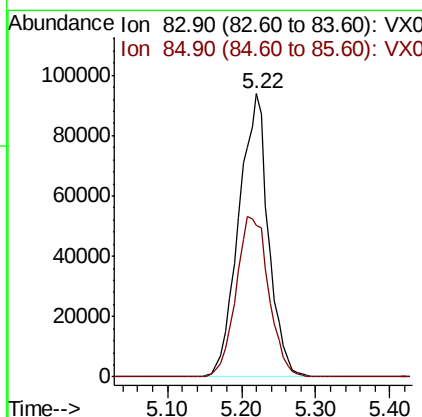
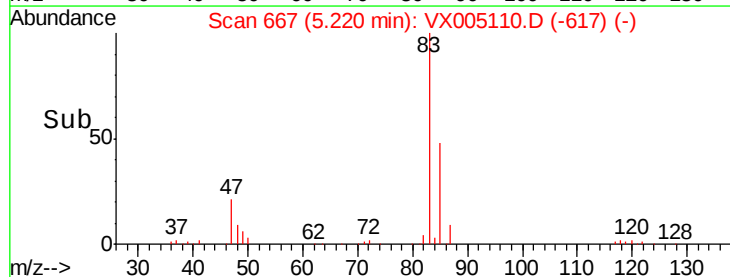
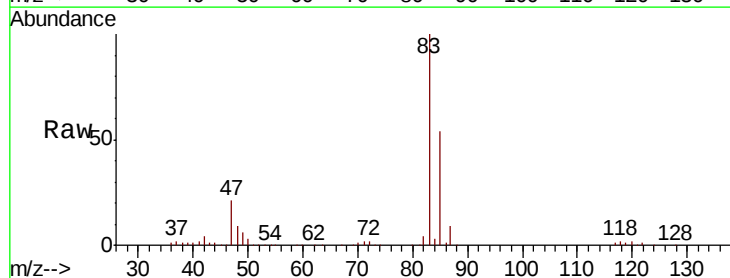
Manual Integrations
APPROVED

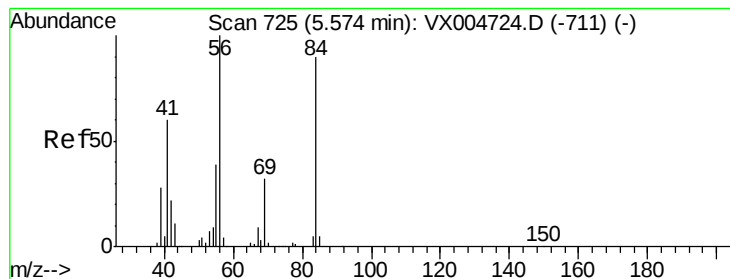
MMDadoda
10/8/2018 2:02:45 PM



#30
Chloroform
Concen: 50.790 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.6	52.4	78.6





#31

Cyclohexane

Concen: 52.017 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

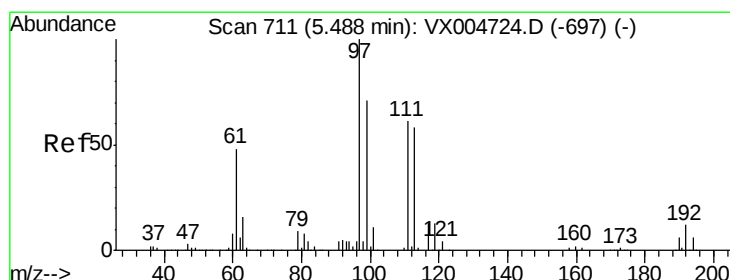
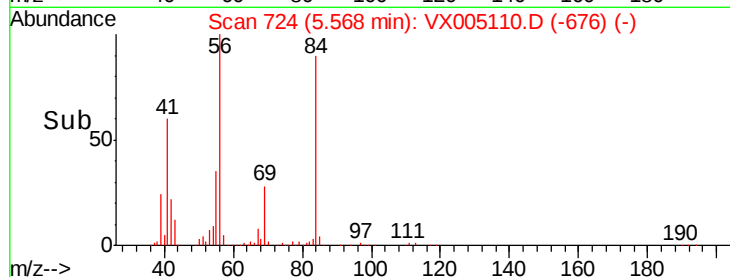
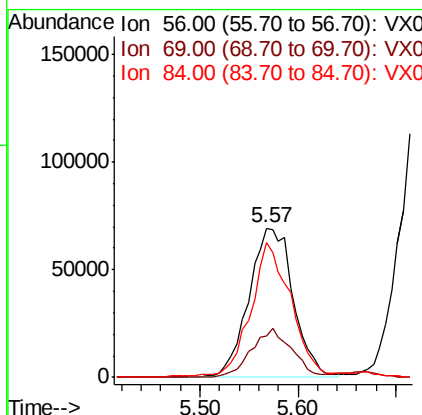
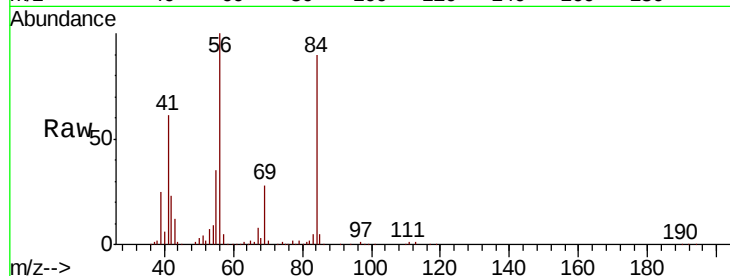
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	218009
Ion	Ratio	Lower	Upper
56	100		
69	27.6	25.9	38.9
84	88.5	71.9	107.9

Manual Integrations
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10/8/2018 2:02:45 PM



#32

1,1,1-Trichloroethane

Concen: 51.382 ug/l

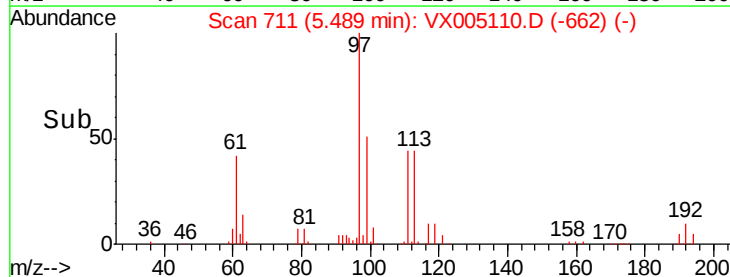
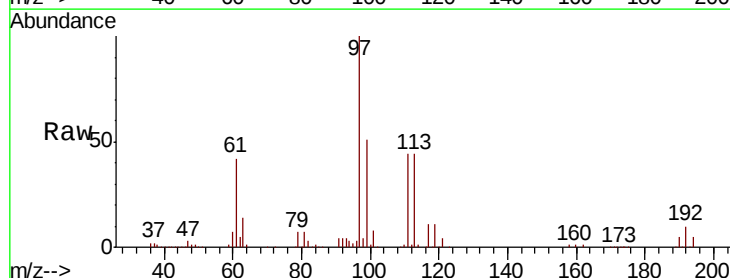
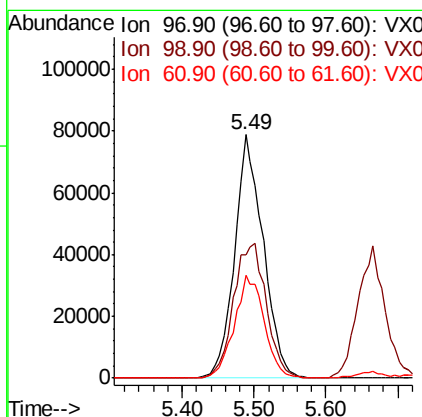
RT: 5.49 min Scan# 711

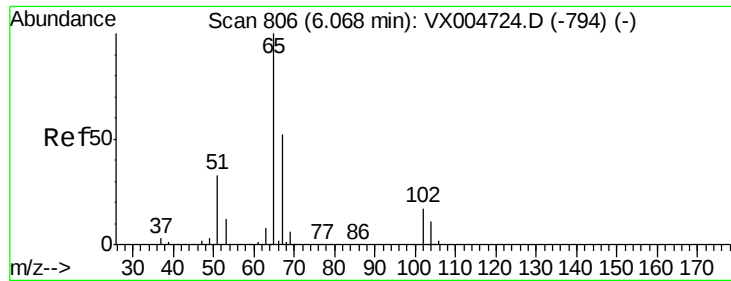
Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion:	97	Resp:	217168
Ion	Ratio	Lower	Upper
97	100		
99	63.1	54.6	82.0
61	44.1	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 48.354 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tot Ion: 65 Resp: 159278

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.4

Instrument :

MSVOA_X

ClientSampled :

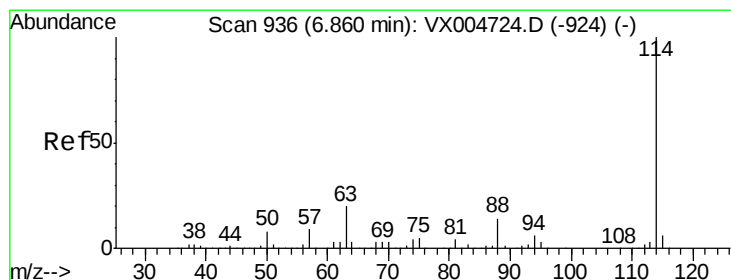
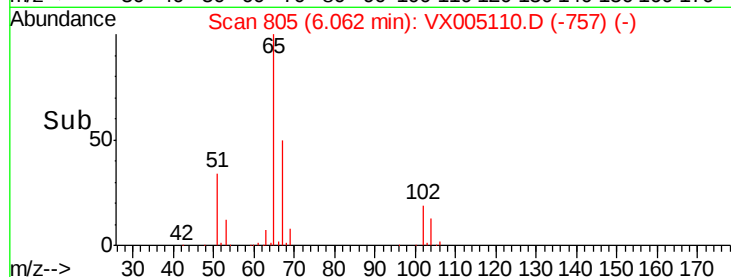
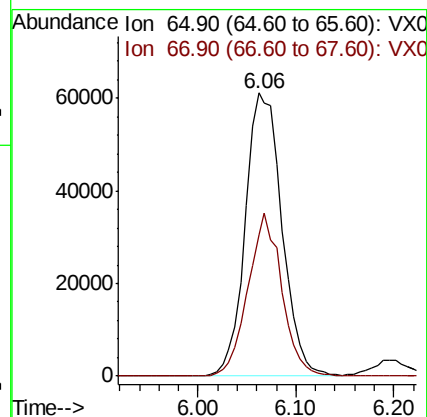
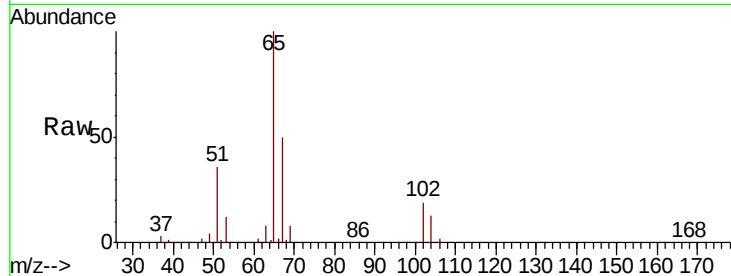
VSTDCCC050EC

Manual Integrations

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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: VX005110.D

Acq: 06 Oct 2018 11:46

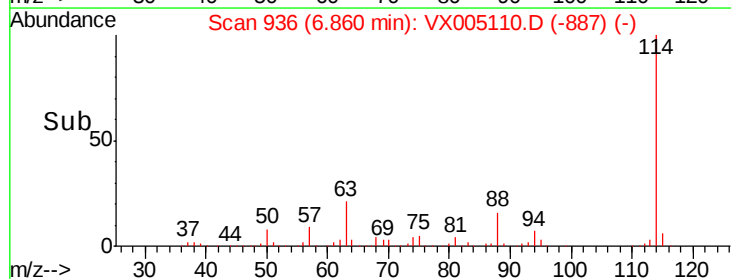
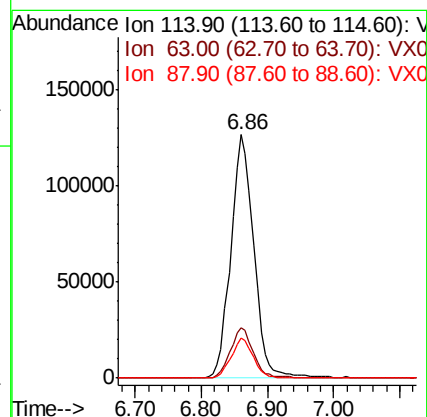
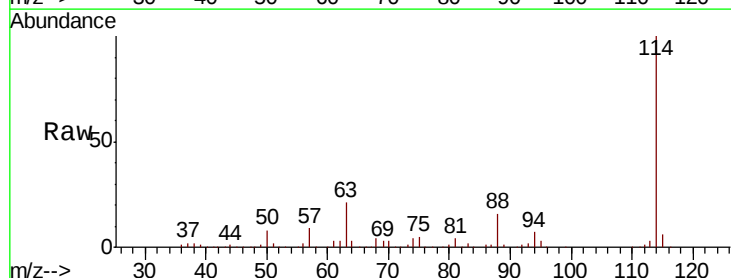
Tgt Ion: 114 Resp: 305418

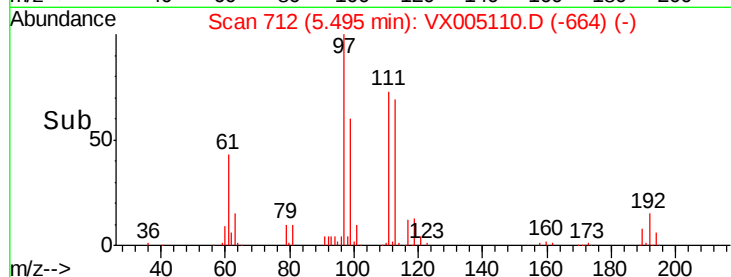
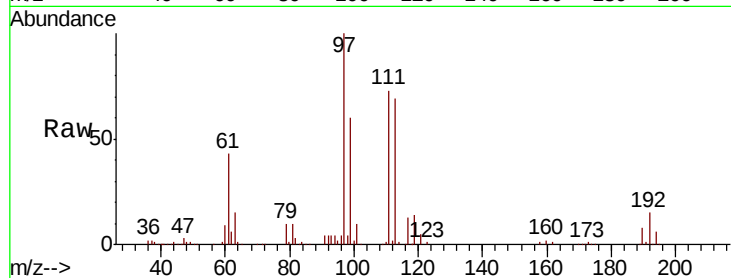
Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.8

88 16.3 0.0 27.0





#35

Dibromofluoromethane

Concen: 53.173 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005110.D

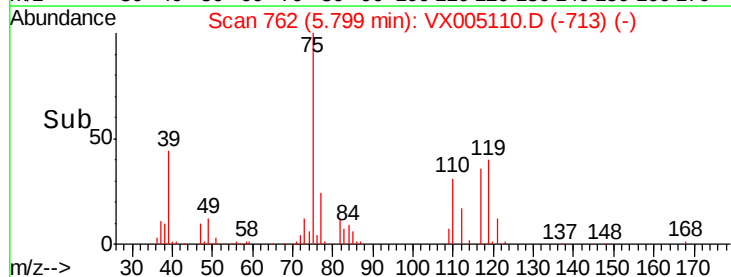
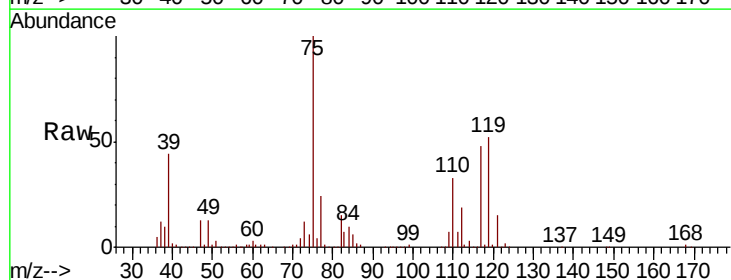
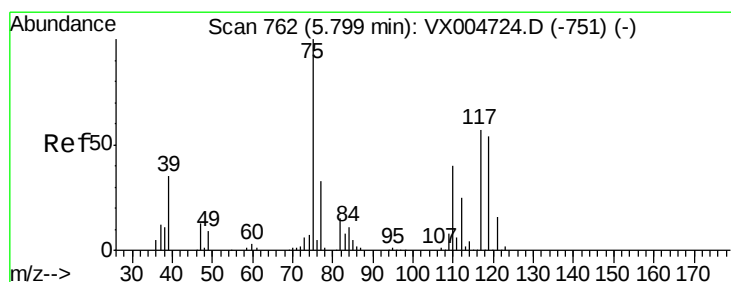
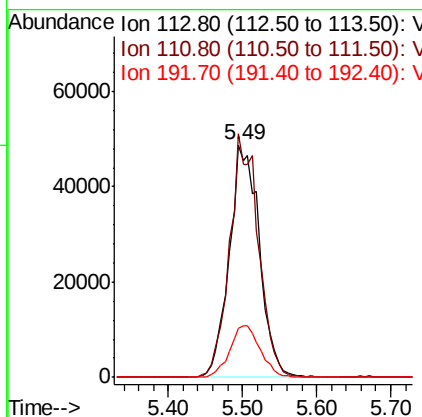
Acq: 06 Oct 2018 11:46

Tot Ion:	113	Resp:	137637
Ion Ratio	Lower	Upper	
113	100		
111	100.7	77.0	115.4
192	22.5	17.0	25.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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10/8/2018 2:02:45 PM



#36

1,1-Dichloropropene

Concen: 51.826 ug/l

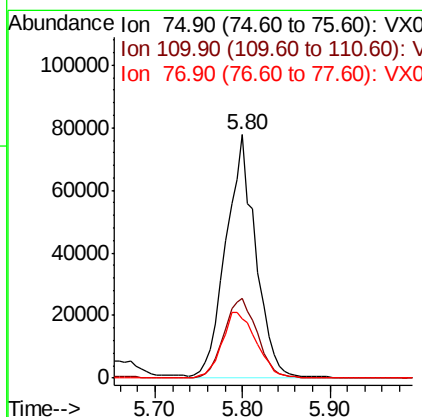
RT: 5.80 min Scan# 762

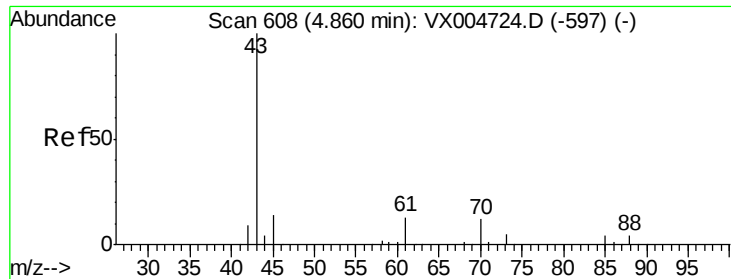
Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion:	75	Resp:	183028
Ion Ratio	Lower	Upper	
75	100		
110	36.8	20.0	59.9
77	31.1	27.1	40.7





#37

Ethyl Acetate

Concen: 54.998 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

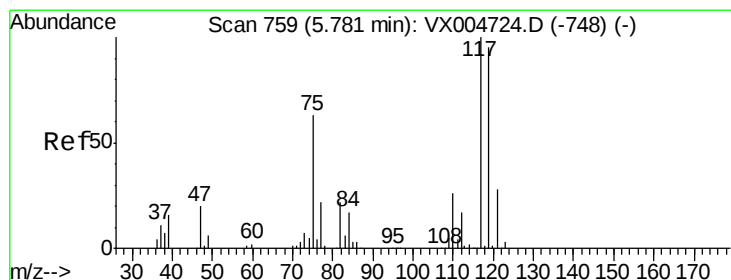
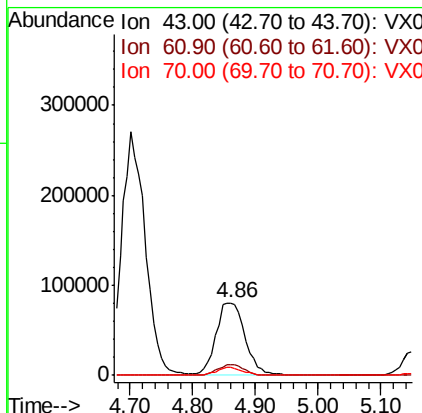
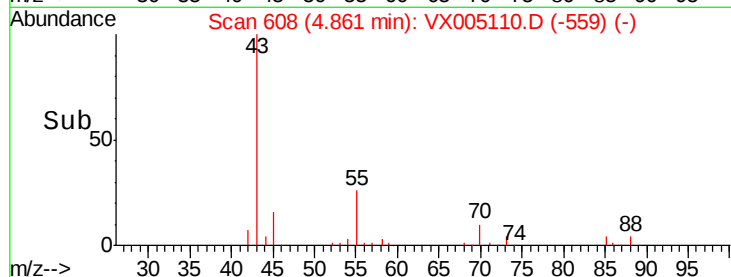
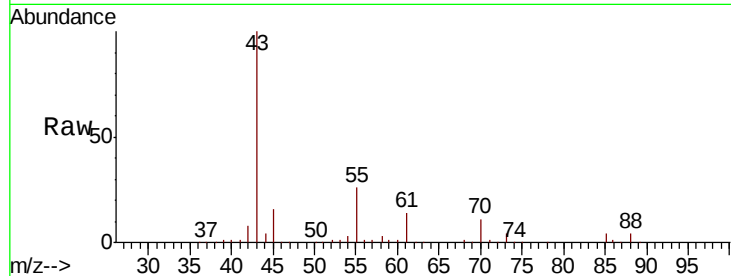
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	257825
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.4	15.6
70	10.2	8.7	13.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 50.116 ug/l

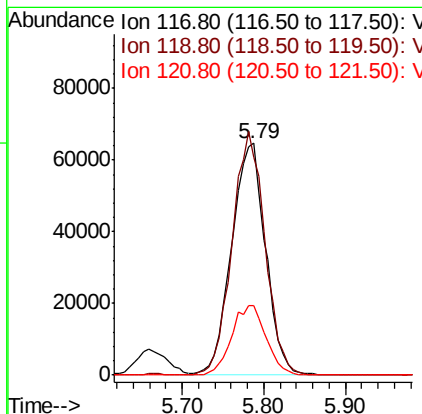
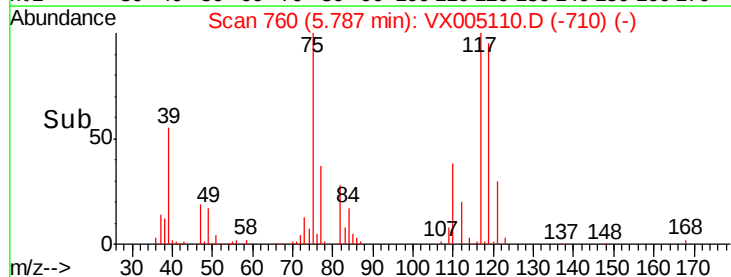
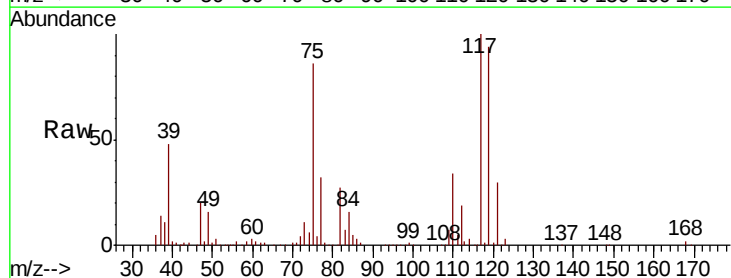
RT: 5.79 min Scan# 760

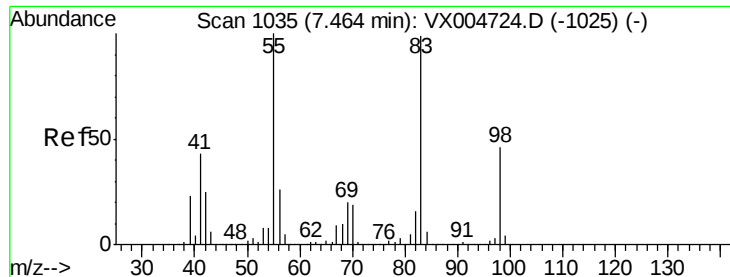
Delta R.T. 0.01 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion:	117	Resp:	186049
Ion	Ratio	Lower	Upper
117	100		
119	94.4	75.2	112.8
121	29.8	22.5	33.7





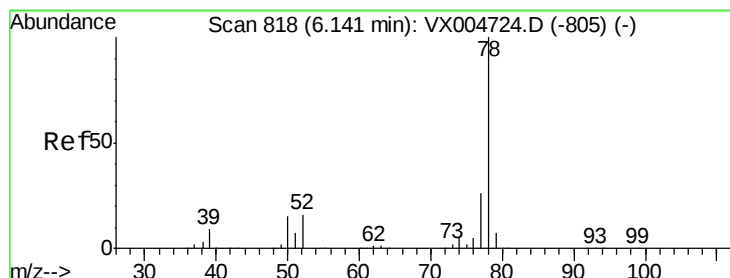
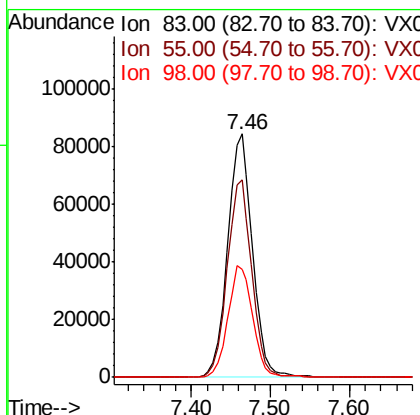
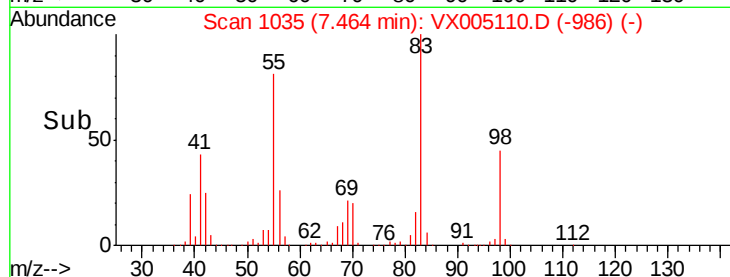
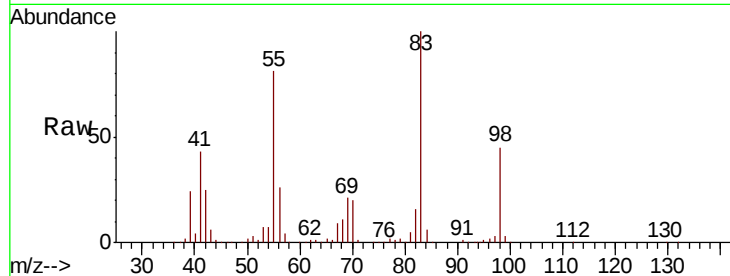
#39
Methvlcvclohexane
Concen: 51.106 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	184297
Ion Ratio	Lower	Upper	
83	100		
55	80.9	81.1	121.7#
98	44.6	37.3	55.9

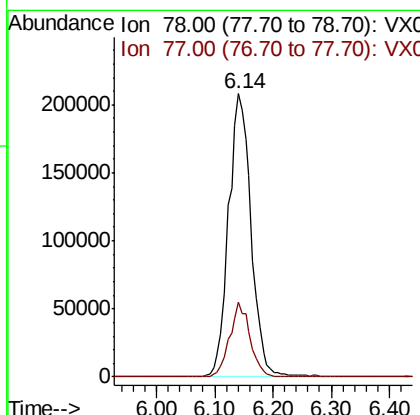
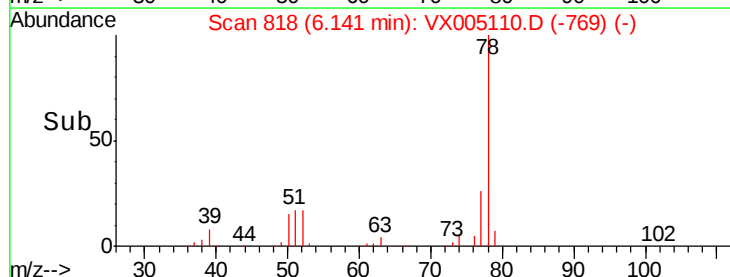
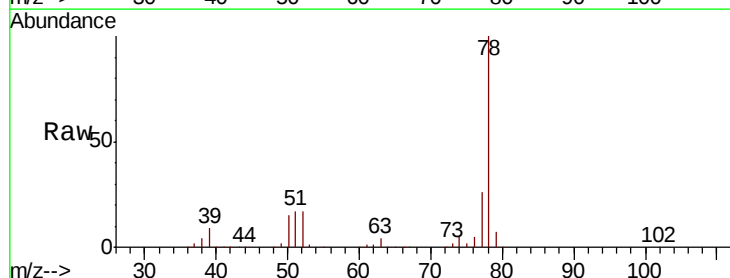
Manual Integrations
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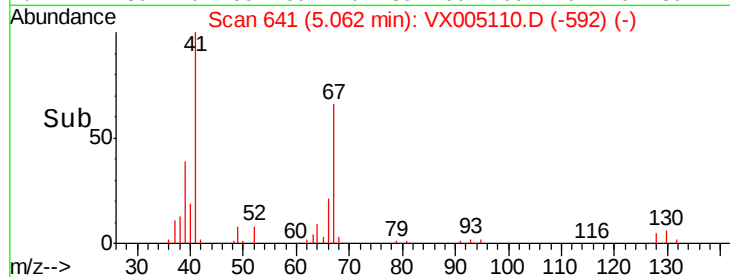
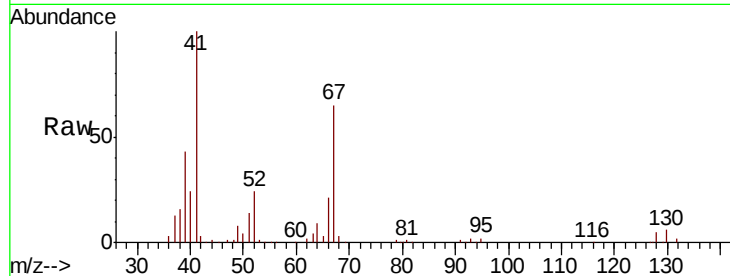
MMDadoda
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#40
Benzene
Concen: 50.720 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	78.00	Resp	560782
Ion Ratio	Lower	Upper	
78	100		
77	26.4	21.0	31.4





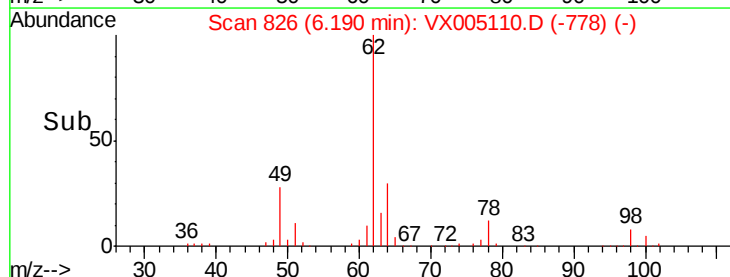
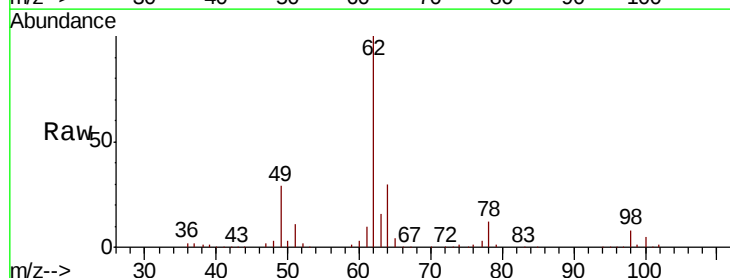
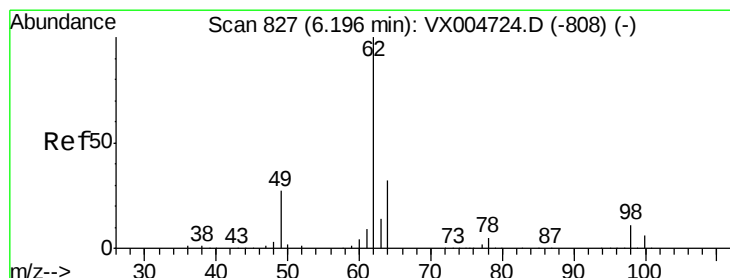
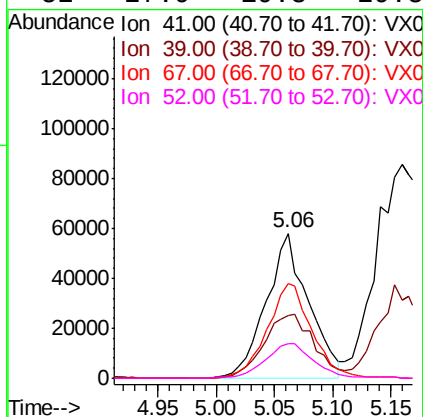
#41
Methacrylonitrile
Concen: 55.672 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	53.0	42.5	63.7	
67	67	69.2	53.0	79.6	
52	52	27.9	19.8	29.8	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

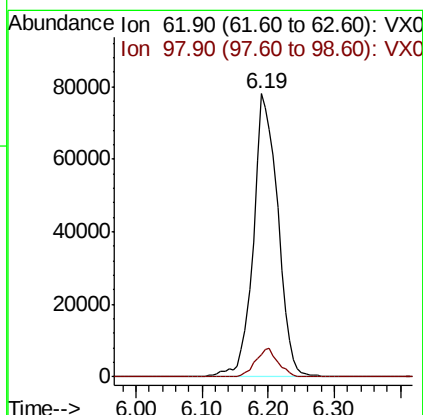
Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:45 PM



#42
1,2-Dichloroethane
Concen: 51.595 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	9.2	0.0	20.2	





#43

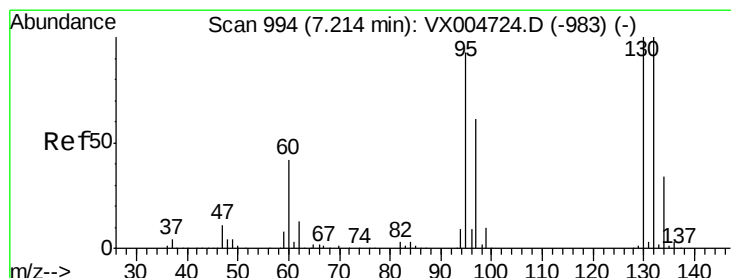
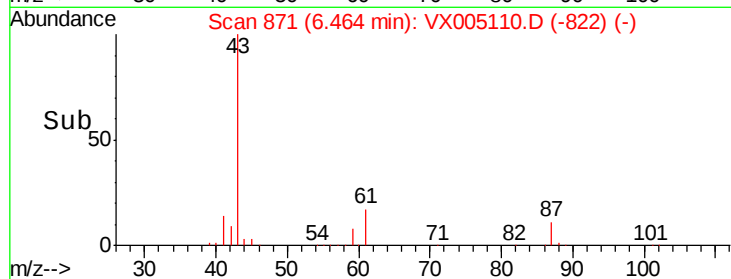
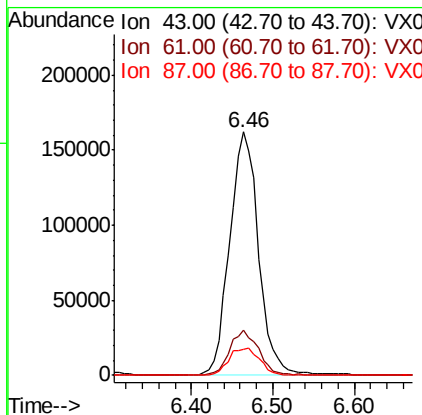
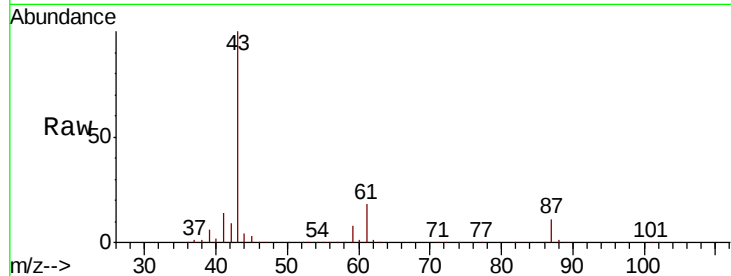
Isopropyl Acetate
 Concen: 58.123 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	393277
Ion Ratio	100	Lower	Upper
61	18.8	14.2	21.4
87	12.2	9.3	13.9

Manual Integrations
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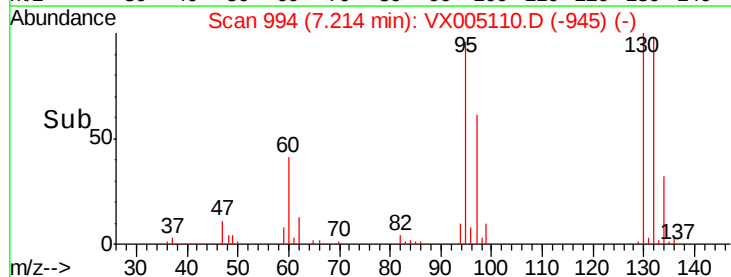
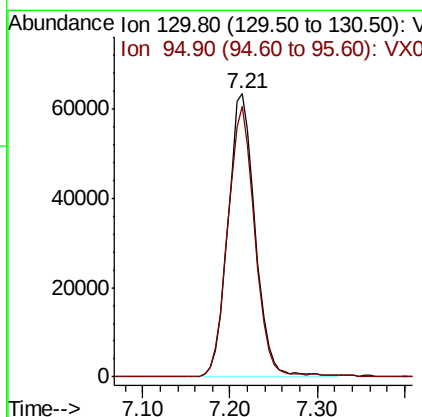
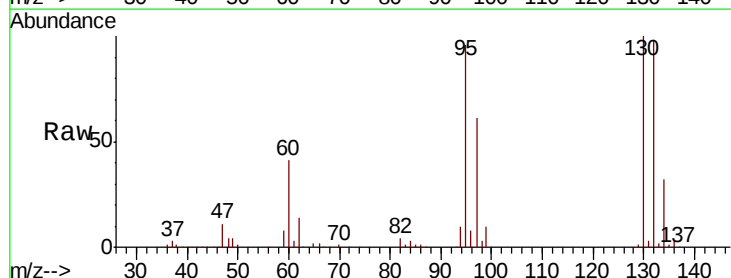
MMDadoda
 10/8/2018 2:02:45 PM



#44

Trichloroethene
 Concen: 50.450 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Tgt Ion	130	Resp	137124
Ion Ratio	100	Lower	Upper
95	95.7	0.0	186.8





#45

1,2-Dichloropropane

Concen: 52.914 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 143469

Ion Ratio Lower Upper

63 100

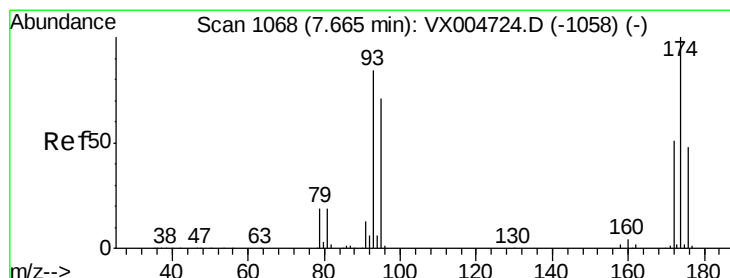
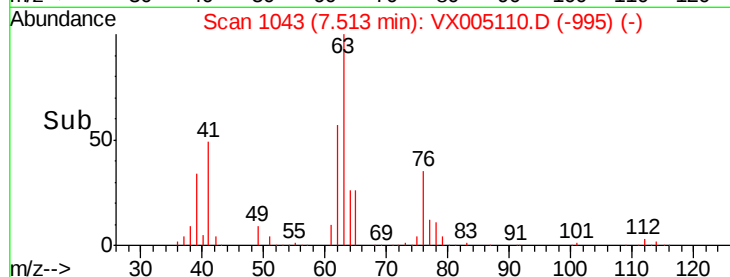
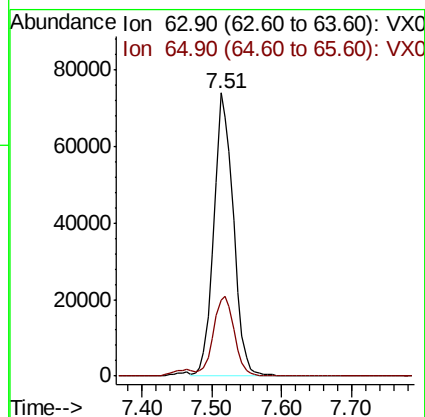
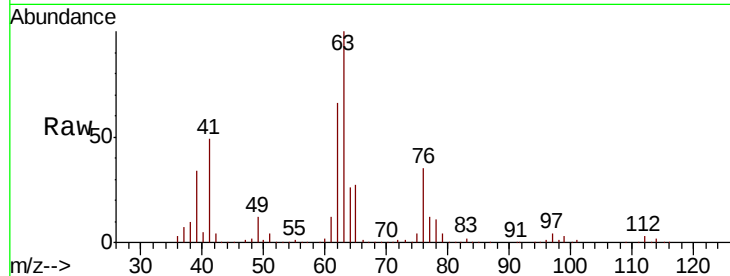
65 27.1 23.9 35.9

Manual Integrations

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#46

Dibromomethane

Concen: 51.826 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

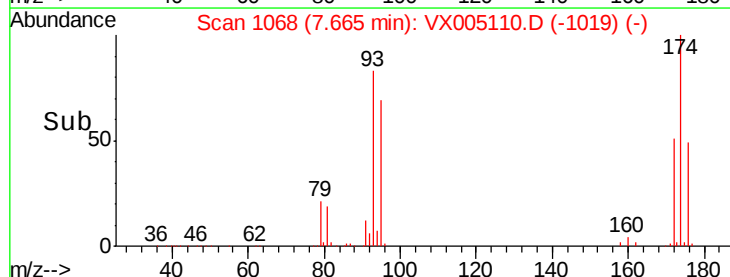
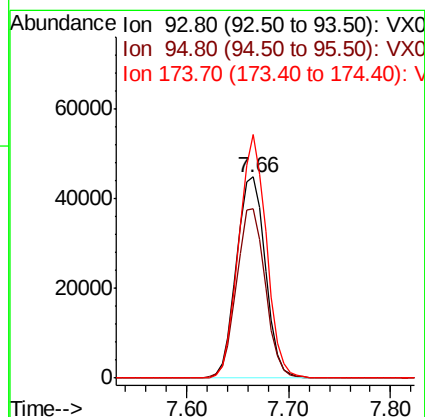
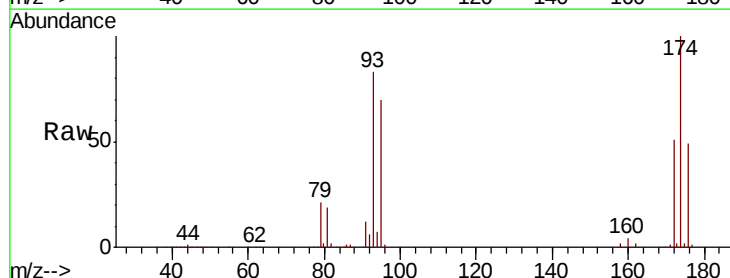
Tgt Ion: 93 Resp: 88312

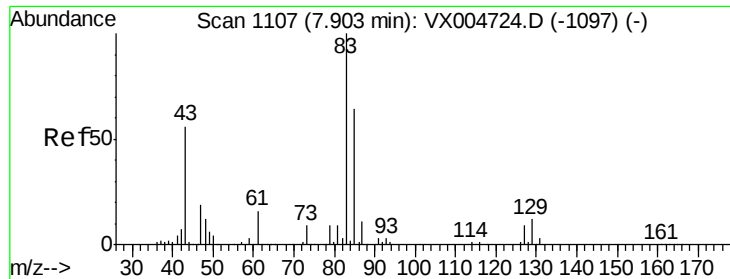
Ion Ratio Lower Upper

93 100

95 83.5 66.7 100.1

174 115.1 92.7 139.1





#47

Bromodichloromethane

Concen: 54.020 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

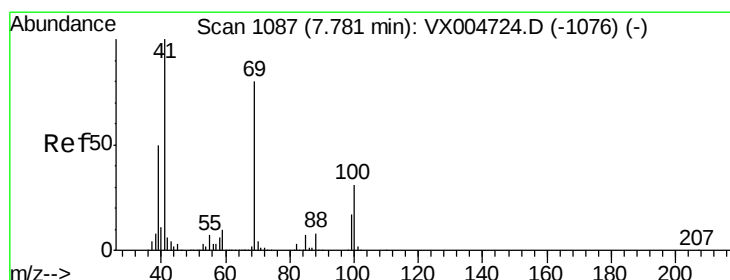
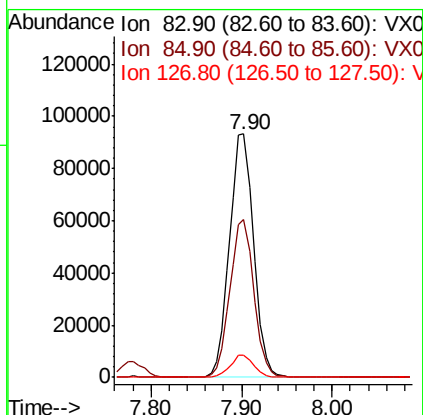
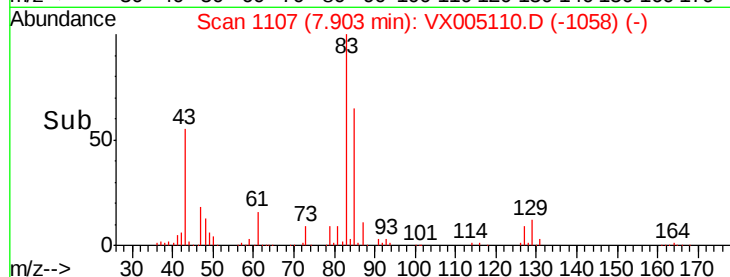
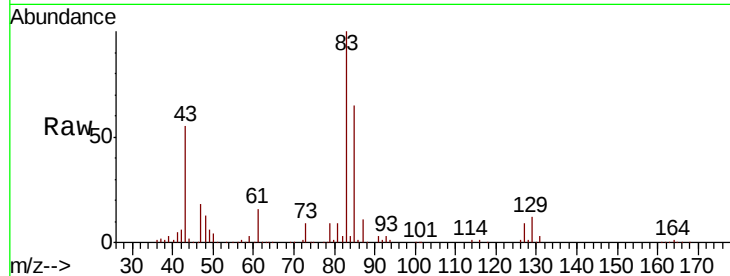
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172343
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.2	76.8
127	9.0	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 58.410 ug/l

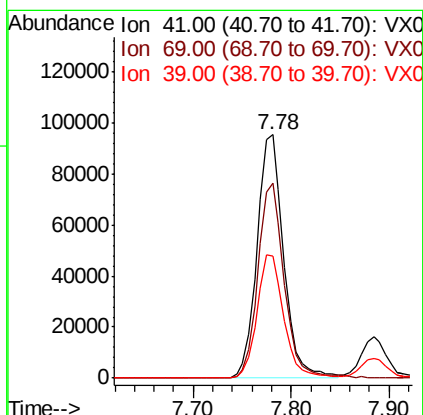
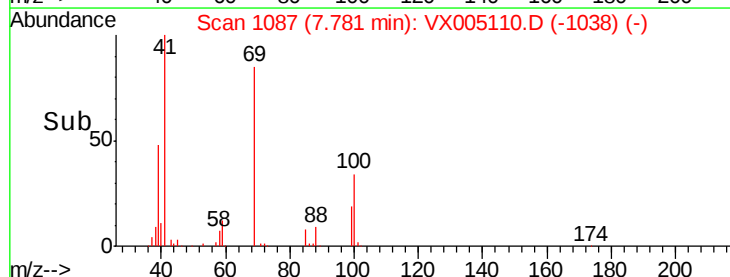
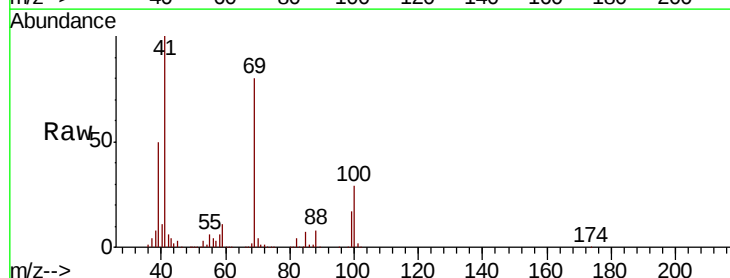
RT: 7.78 min Scan# 1087

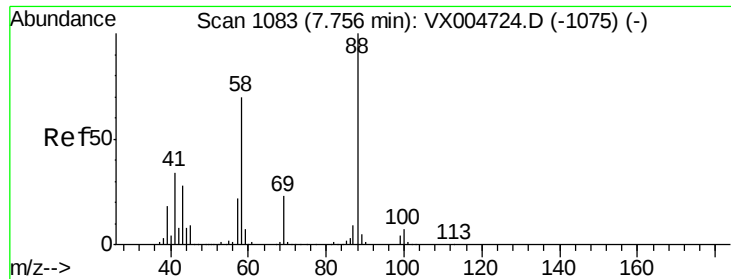
Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion:	41	Resp:	179382
Ion	Ratio	Lower	Upper
41	100		
69	79.7	63.8	95.6
39	50.7	40.7	61.1





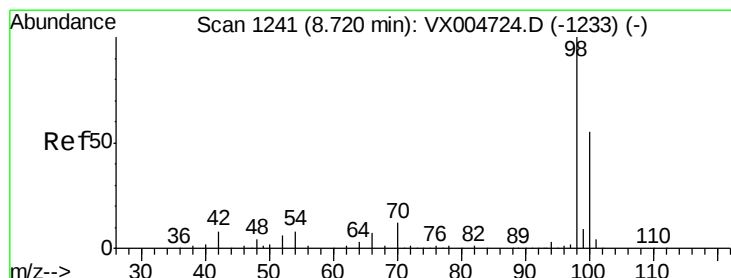
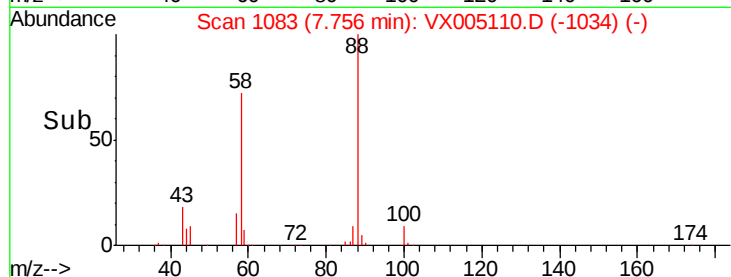
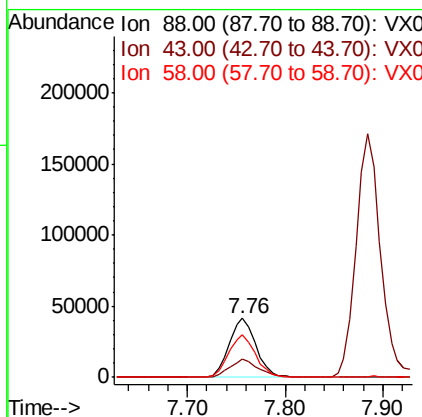
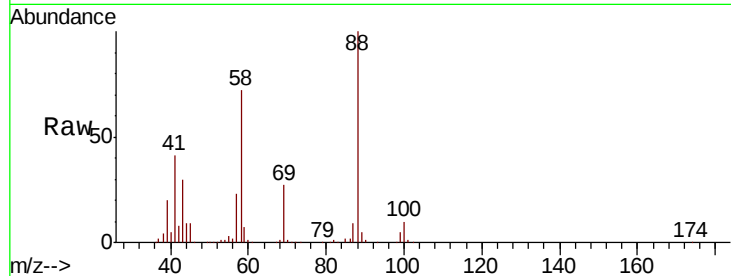
#49
 1,4-Dioxane
 Concen: 1035.296 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.1	37.7
58	73.0	56.2	84.2

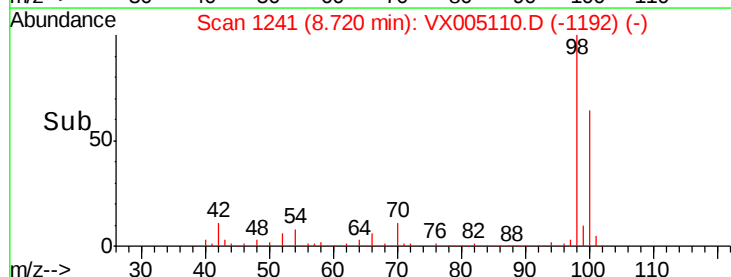
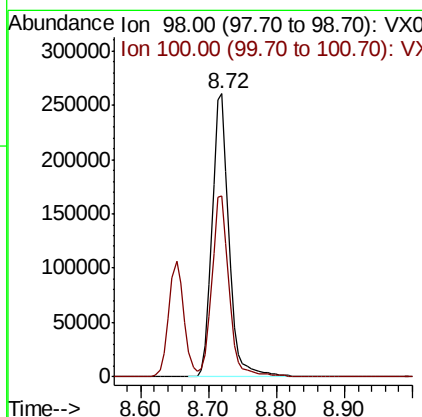
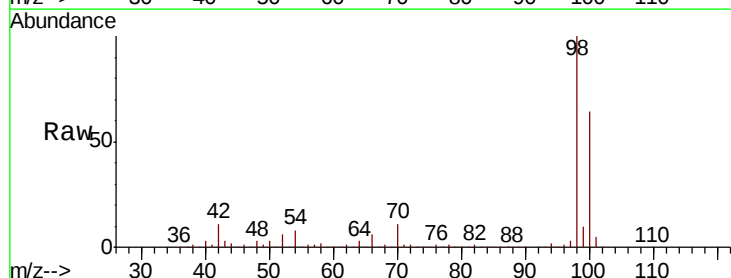
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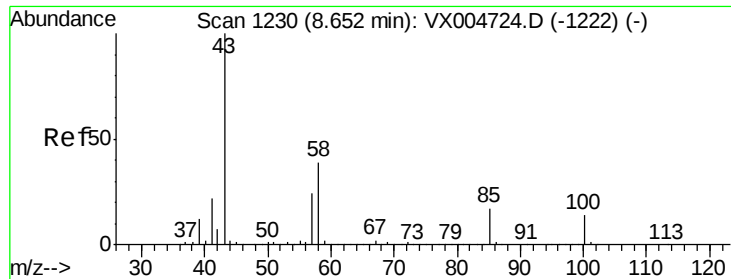
MMDadoda
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#50
 Toluene-d8
 Concen: 52.182 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.9	77.9





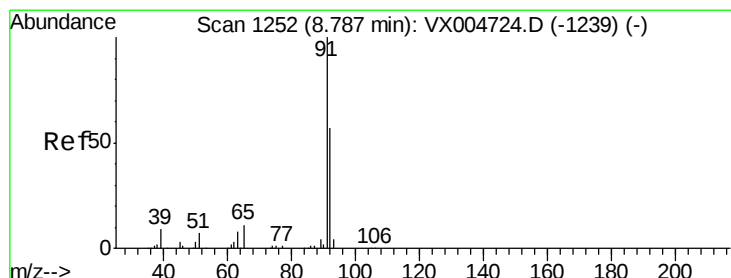
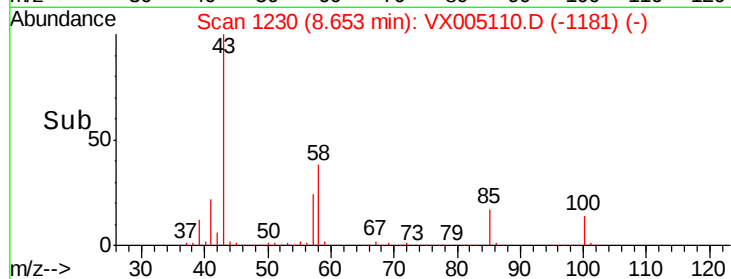
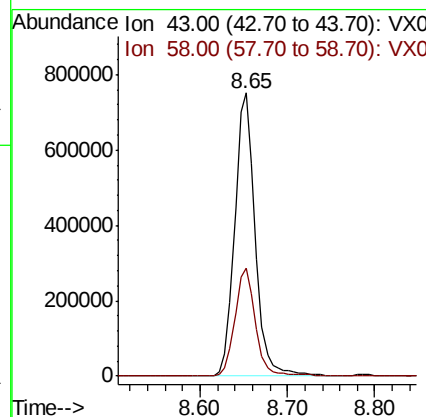
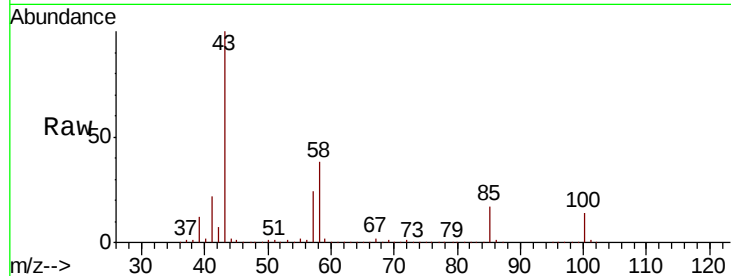
#51
4-Methyl-2-Pentanone
Concen: 288.387 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1228624
Ion Ratio Lower Upper
43 100
58 38.4 30.5 45.7

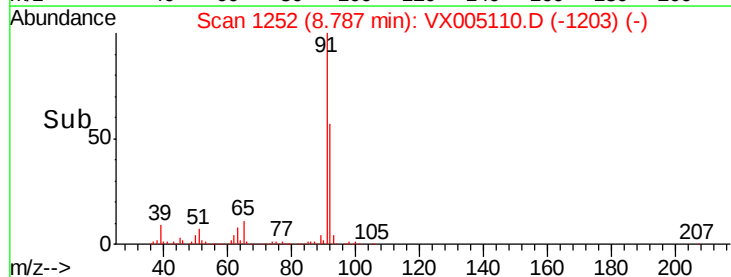
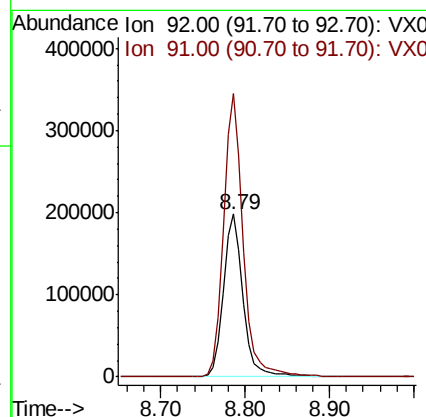
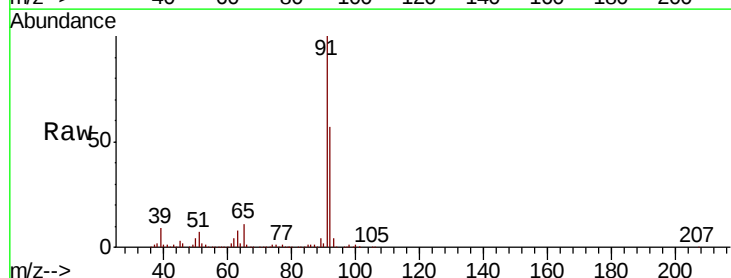
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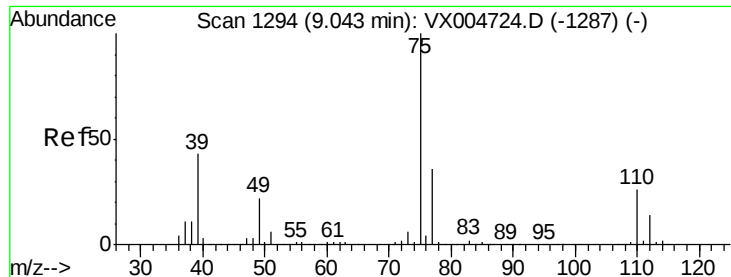
MMDadoda
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#52
Toluene
Concen: 52.686 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion: 92 Resp: 320086
Ion Ratio Lower Upper
92 100
91 173.7 136.7 205.1





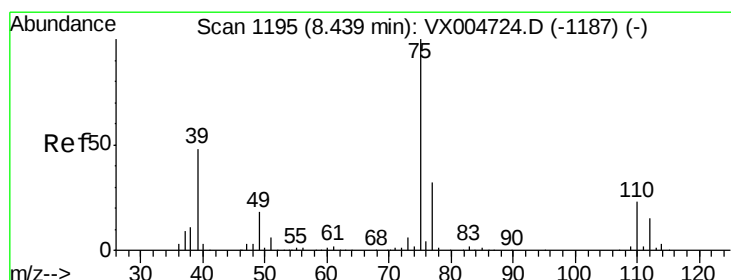
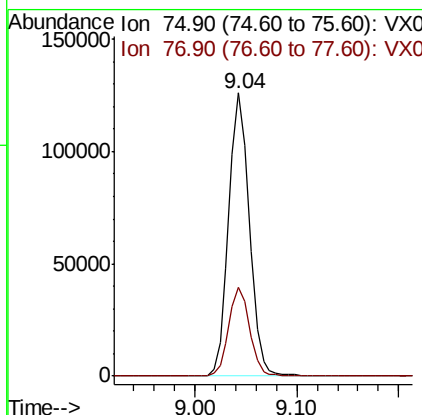
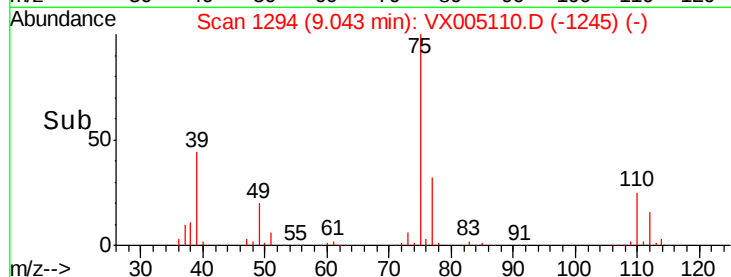
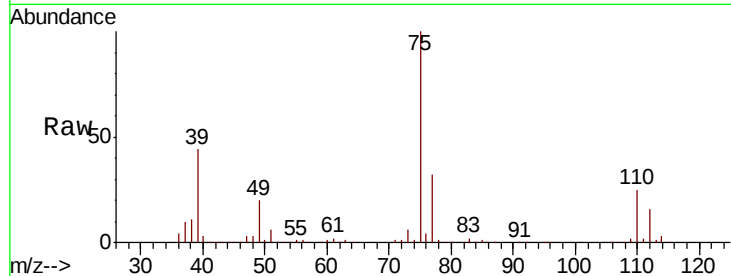
#53
t-1,3-Dichloropropene
Concen: 49.120 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 177087
Ion Ratio Lower Upper
75 100
77 31.5 28.9 43.3

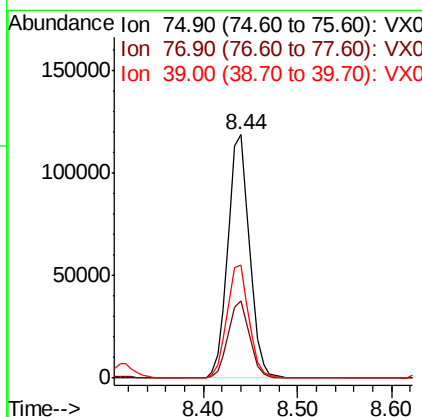
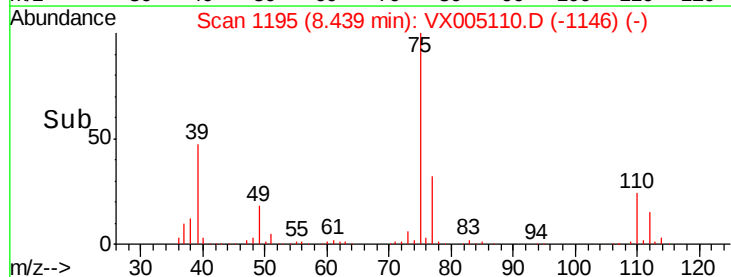
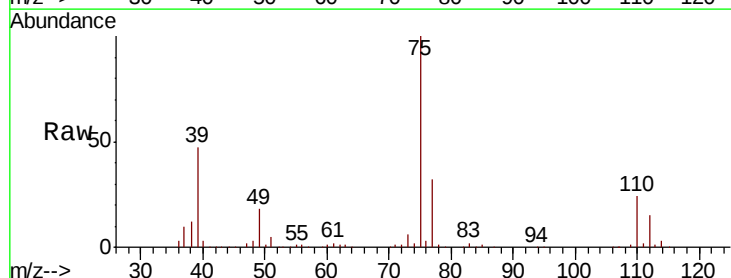
Manual Integrations
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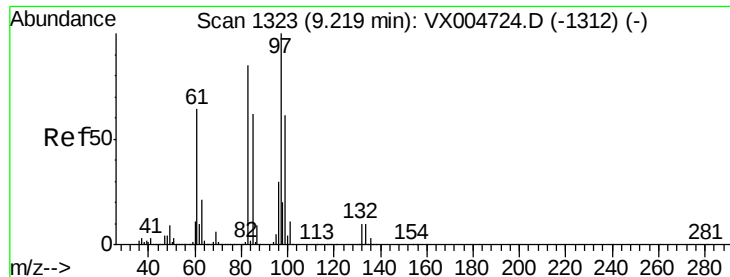
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#54
cis-1,3-Dichloropropene
Concen: 50.228 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion: 75 Resp: 189668
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 46.6 38.3 57.5





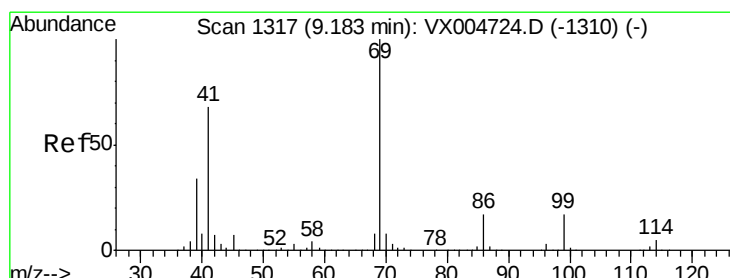
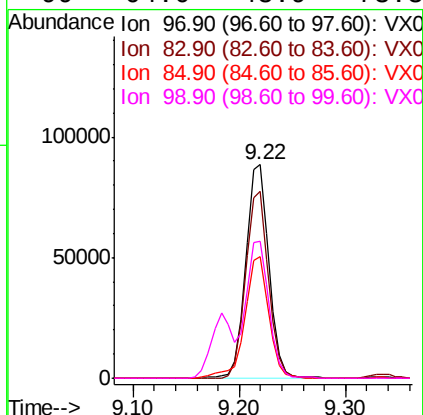
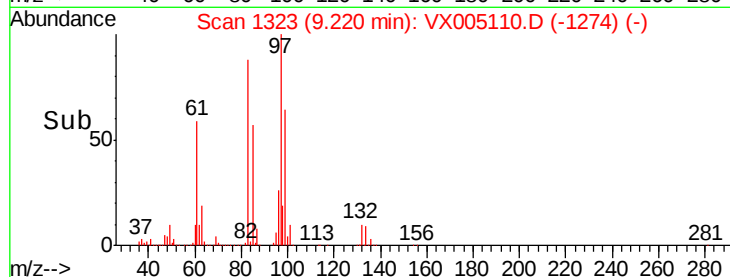
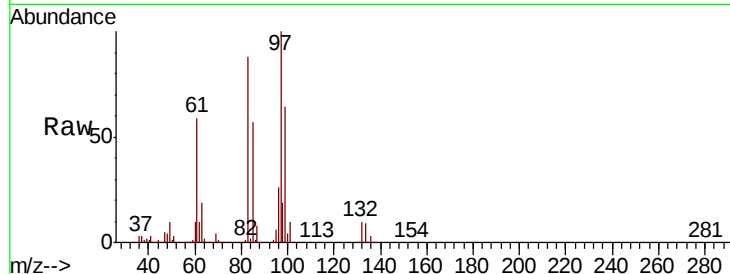
#55
 1,1,2-Trichloroethane
 Concen: 50.751 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	135059
Ion	Ratio	Lower	Upper
97	100		
83	87.6	68.2	102.2
85	57.1	49.9	74.9
99	64.0	48.9	73.3

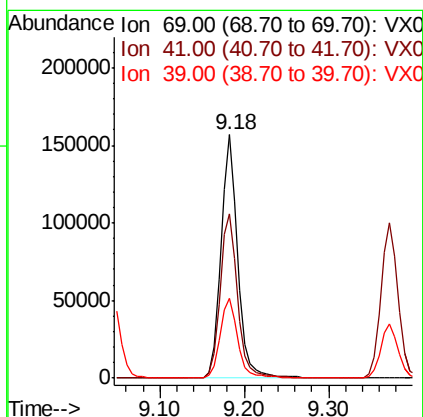
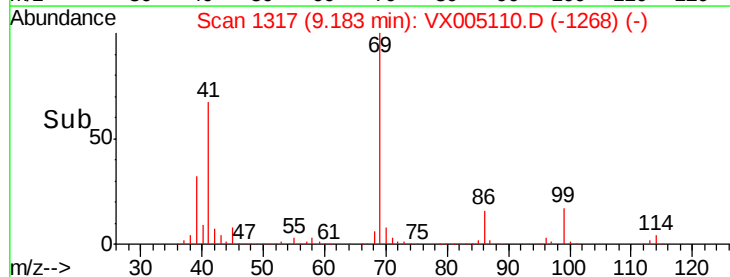
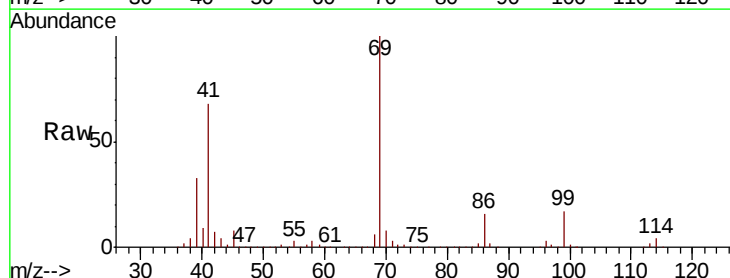
Manual Integrations
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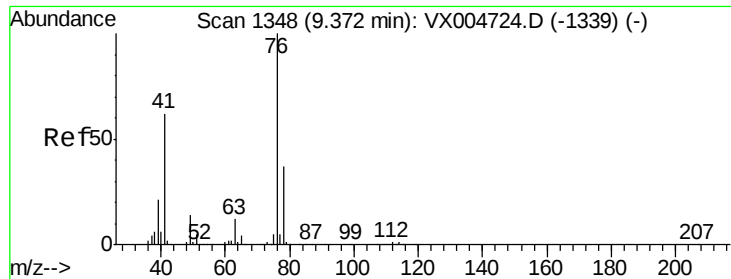
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#56
 Ethyl methacrylate
 Concen: 49.995 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Tgt Ion:	69	Resp:	215895
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.9	85.3
39	34.1	28.4	42.6





#57

1,3-Dichloropropane

Concen: 51.746 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 229187

Ion Ratio Lower Upper

76 100

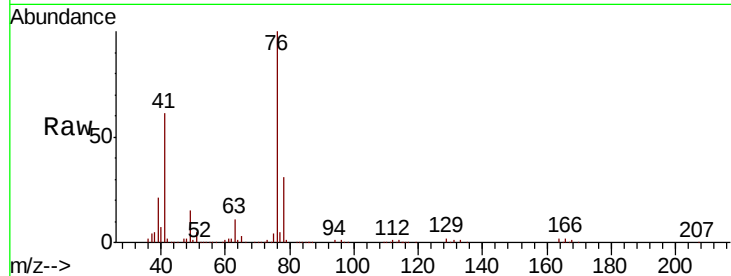
78 31.7 26.6 40.0

Manual Integrations

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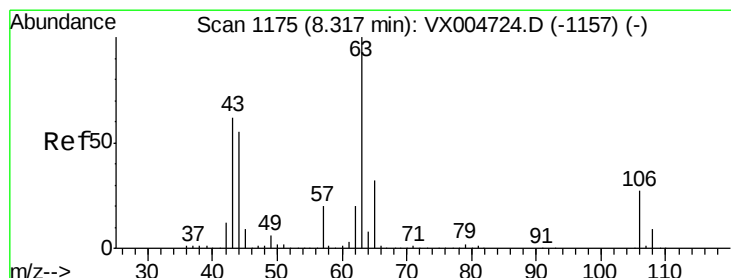
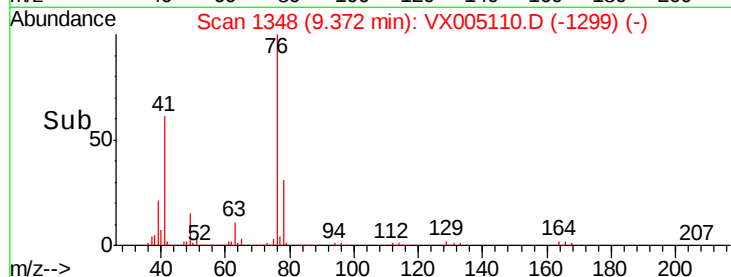
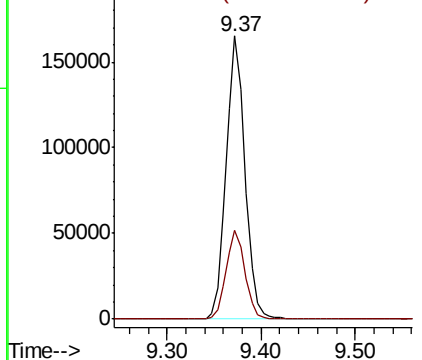
MMDadoda

10/8/2018 2:02:45 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 251.922 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005110.D

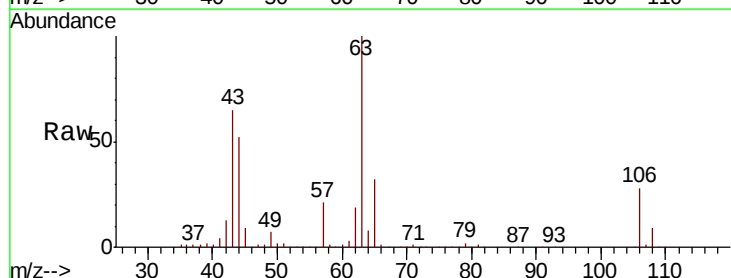
Acq: 06 Oct 2018 11:46

Tgt Ion: 63 Resp: 577921

Ion Ratio Lower Upper

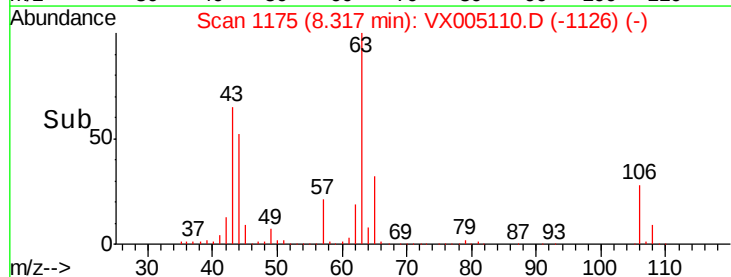
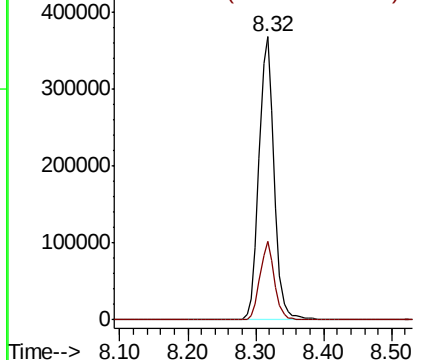
63 100

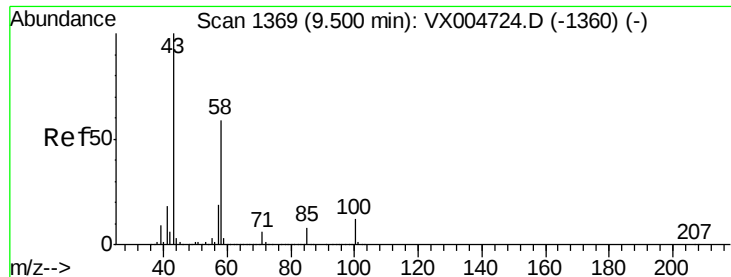
106 26.6 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





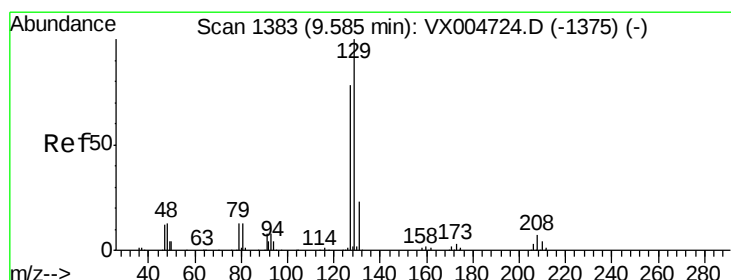
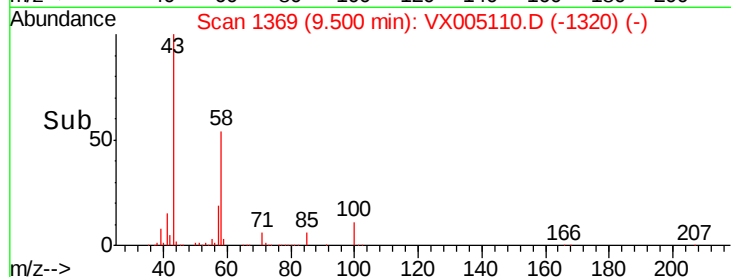
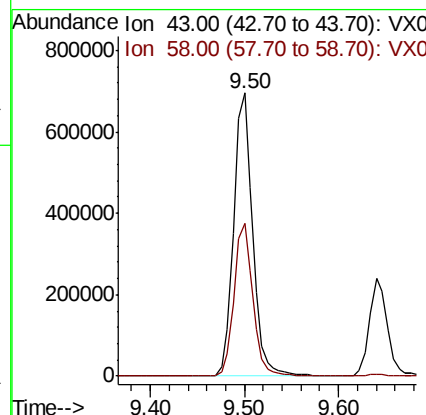
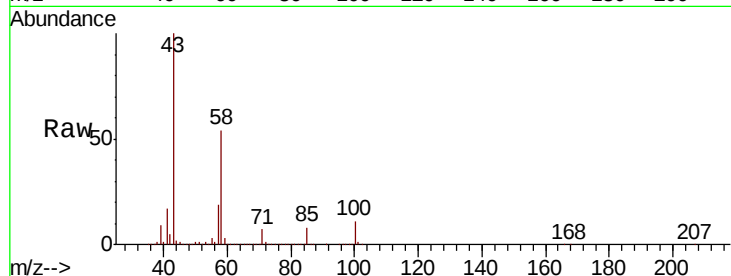
#59
2-Hexanone
Concen: 273.859 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 972257
Ion Ratio Lower Upper
43 100
58 53.6 28.4 85.3

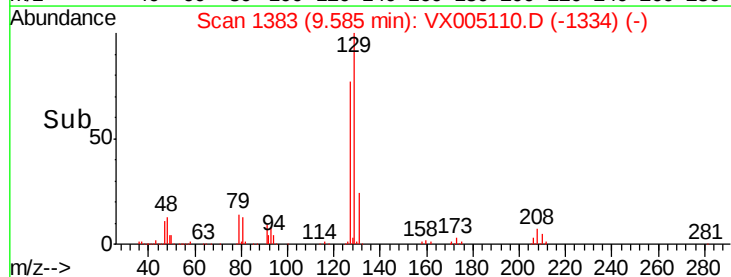
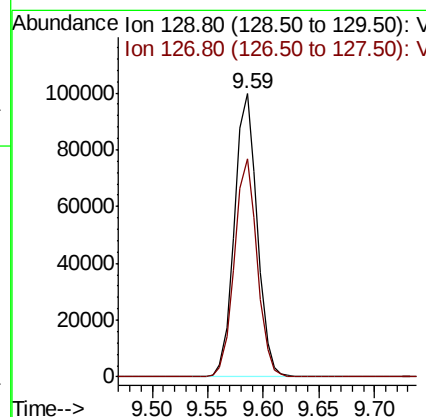
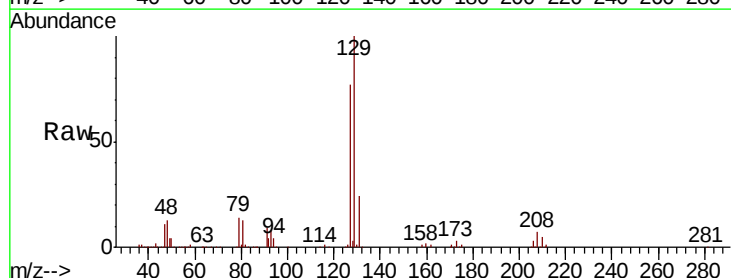
Manual Integrations
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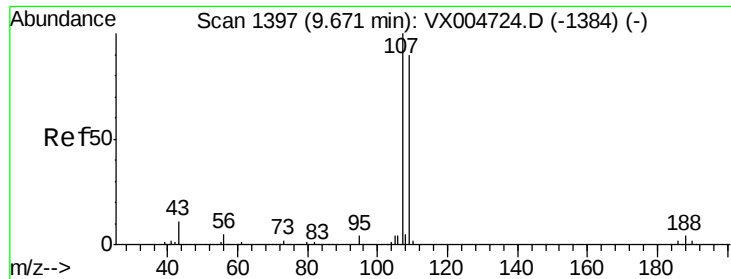
MMDadoda
10/8/2018 2:02:45 PM



#60
Dibromochloromethane
Concen: 52.944 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion: 129 Resp: 140904
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





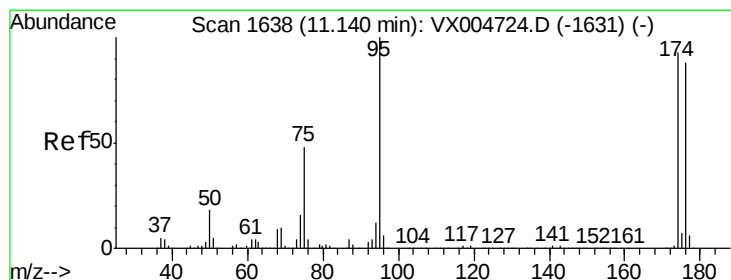
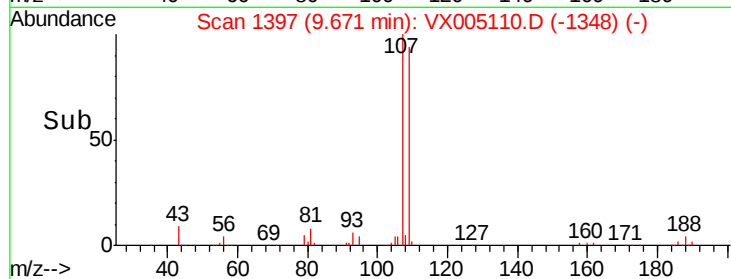
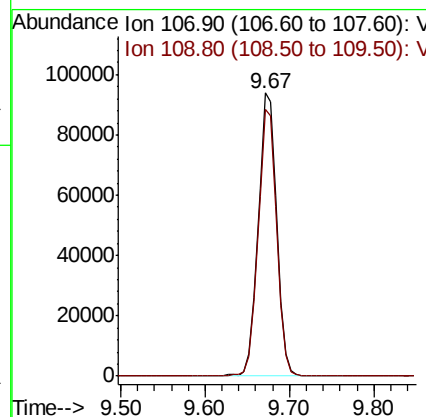
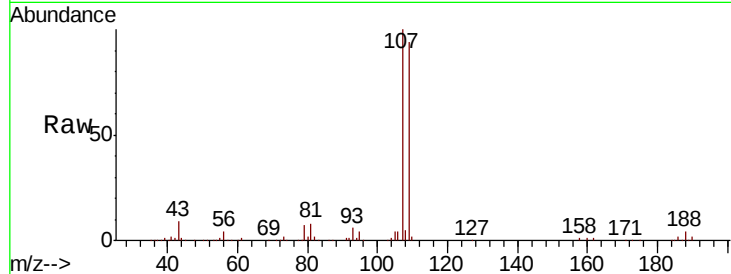
#61
 1,2-Dibromoethane
 Concen: 48.727 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	72.1	108.1

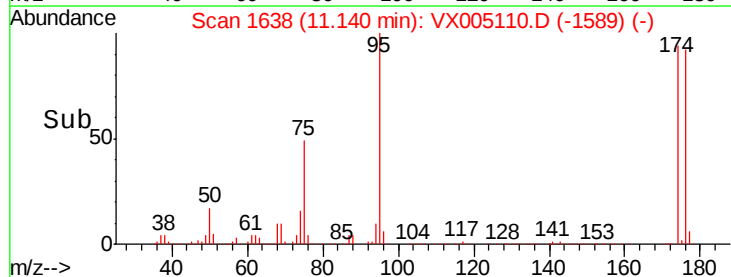
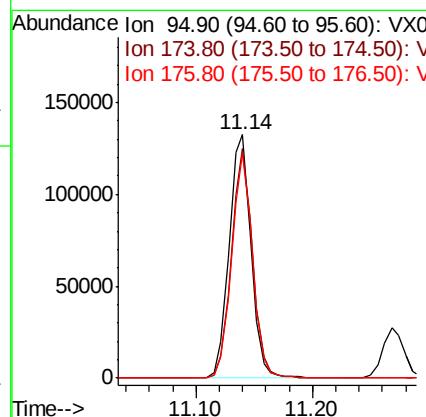
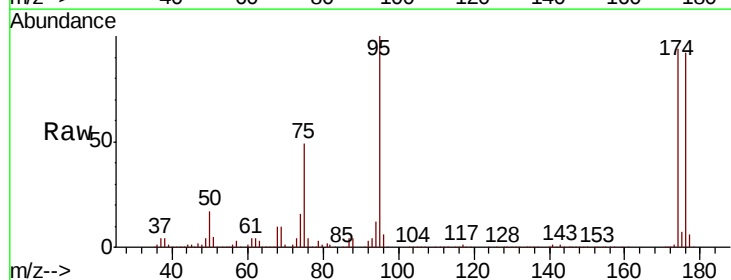
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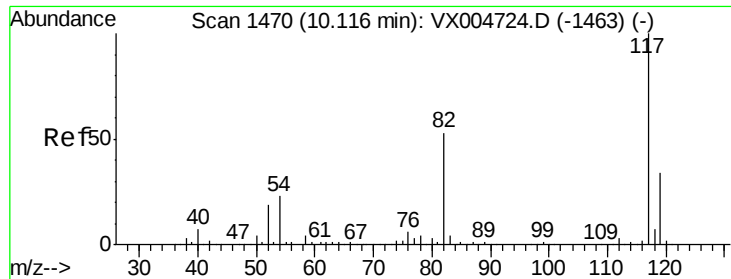
MMDadoda
 10/8/2018 2:02:45 PM



#62
 4-Bromofluorobenzene
 Concen: 55.538 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	185.0
176	88.6	0.0	180.2





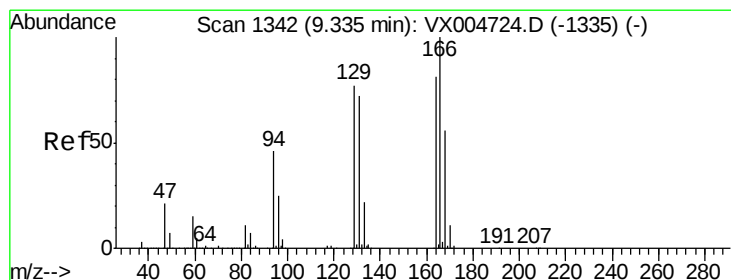
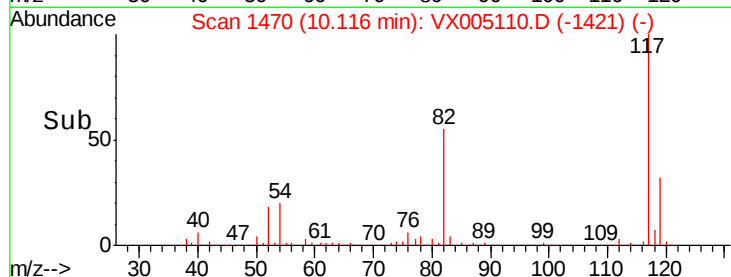
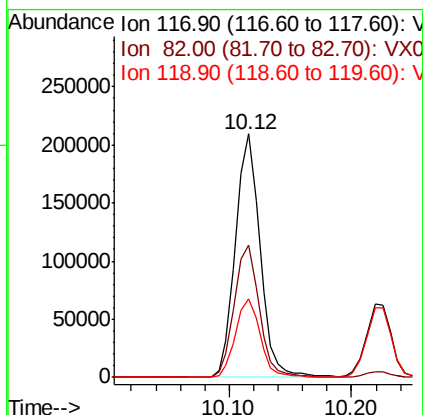
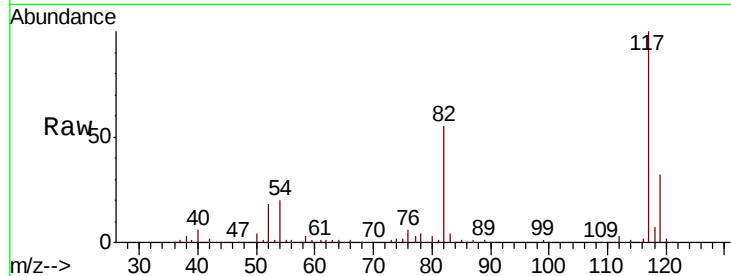
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.2	63.4
119	32.3	27.4	41.0

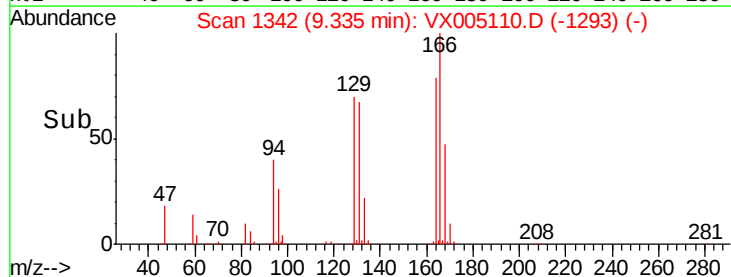
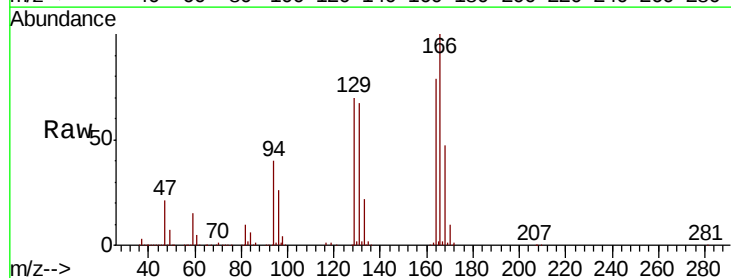
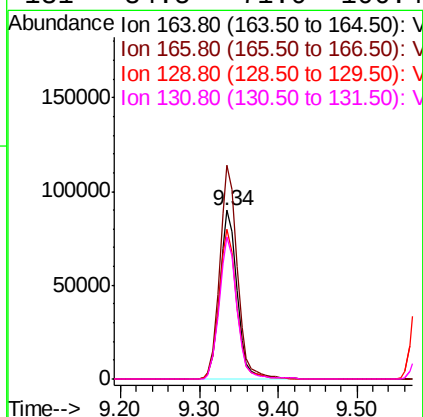
Manual Integrations
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#64
Tetrachloroethene
Concen: 48.457 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	98.4	147.6
129	88.5	76.1	114.1
131	84.5	71.0	106.4





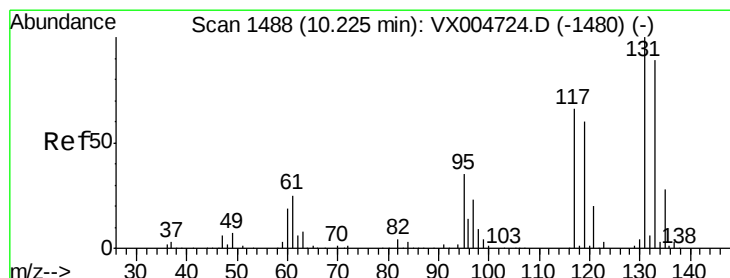
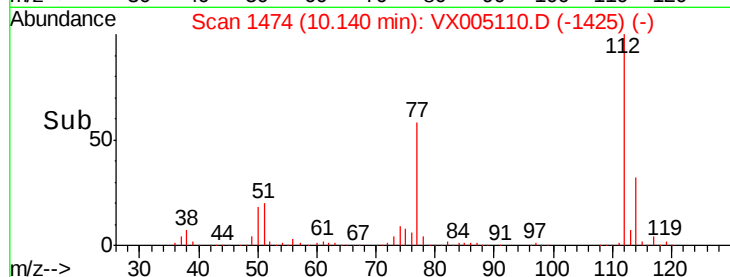
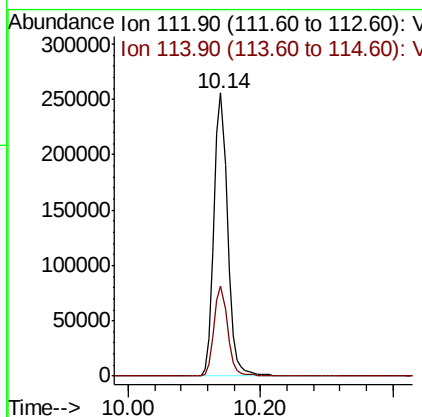
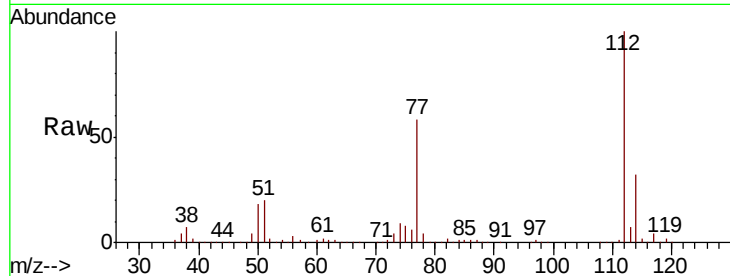
#65
Chlorobenzene
Concen: 48.467 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 364041
Ion Ratio Lower Upper
112 100
114 31.6 26.7 40.1

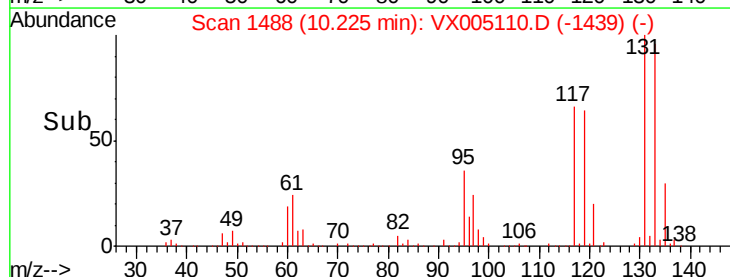
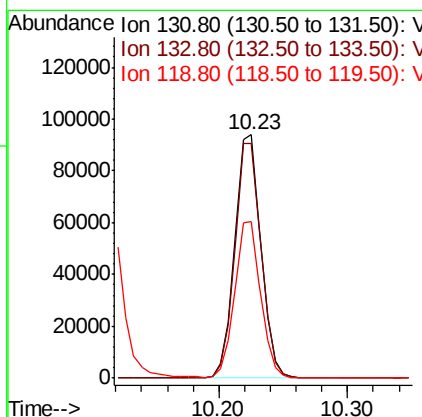
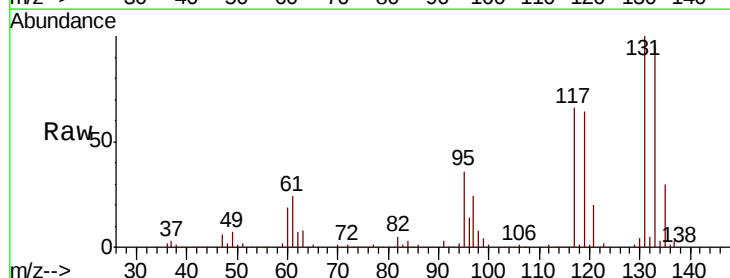
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.339 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion:131 Resp: 132926
Ion Ratio Lower Upper
131 100
133 97.0 48.4 145.0
119 64.2 32.3 96.8





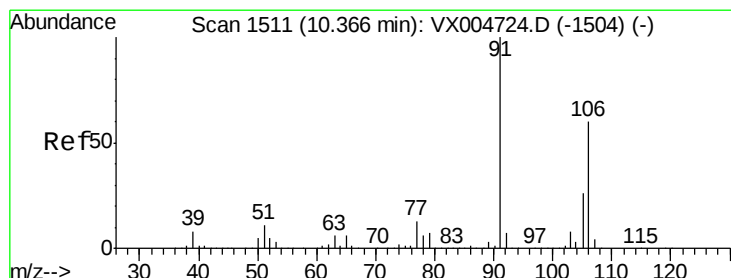
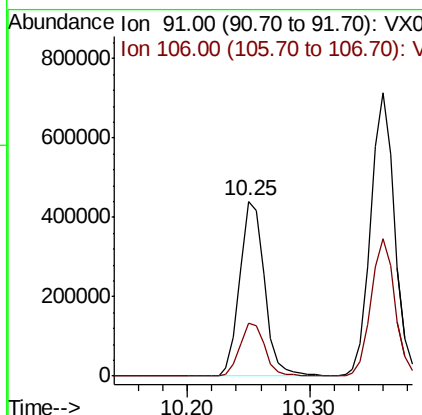
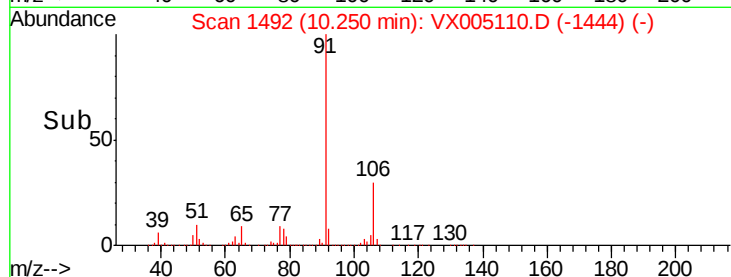
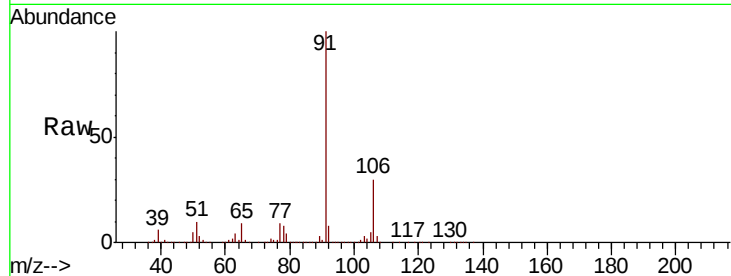
#67
Ethyl Benzene
Concen: 51.878 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 618634
Ion Ratio Lower Upper
91 100
106 30.4 26.9 40.3

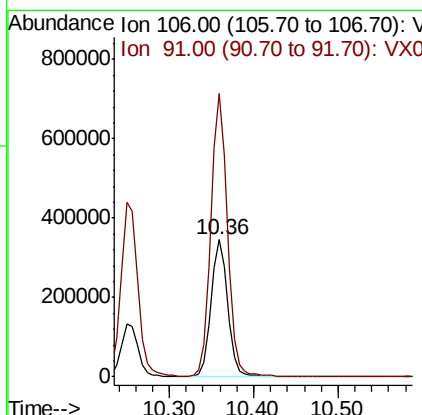
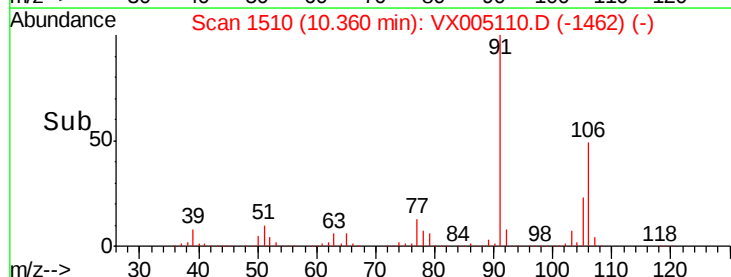
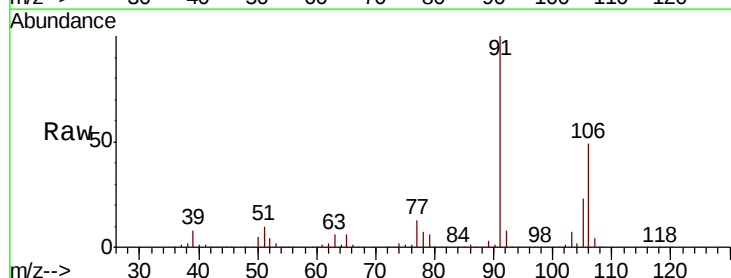
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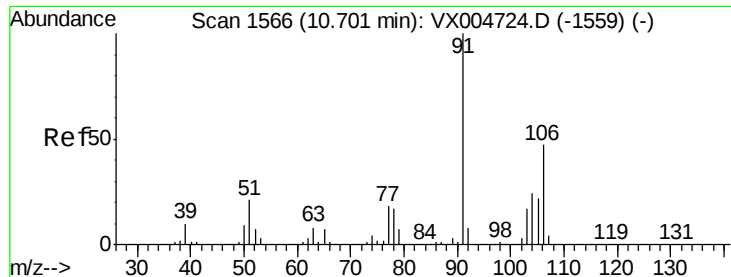
MMDadoda
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#68
m/p-Xylenes
Concen: 102.374 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion: 106 Resp: 477051
Ion Ratio Lower Upper
106 100
91 205.2 157.5 236.3





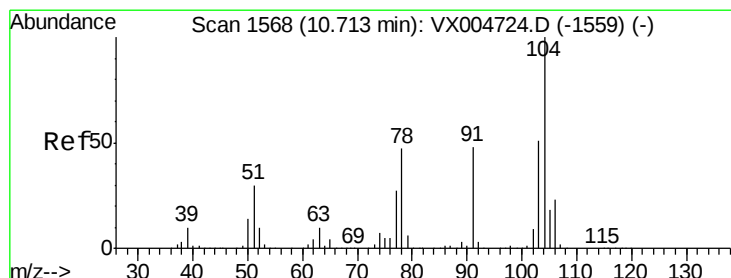
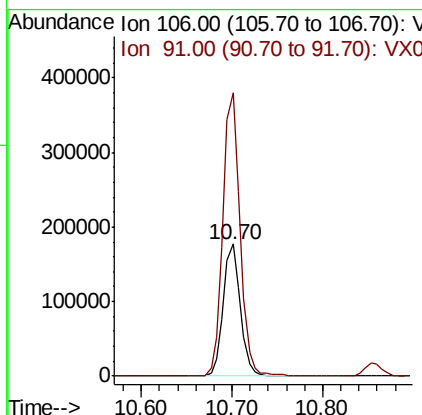
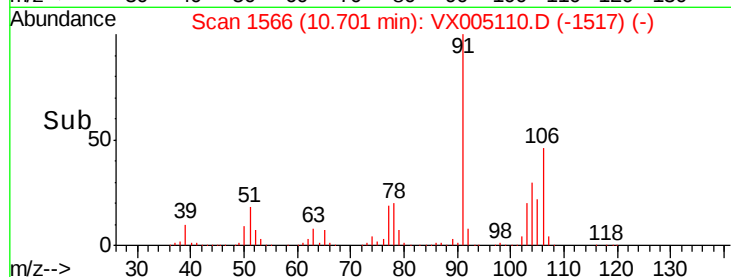
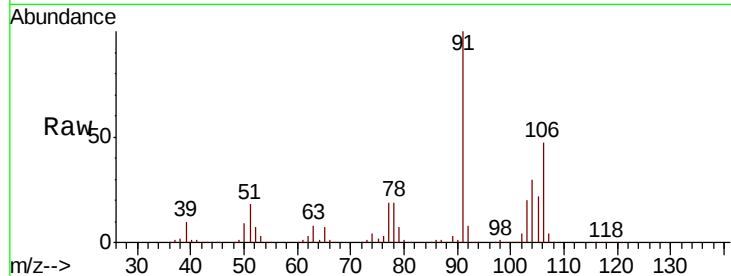
#69
o-Xylene
Concen: 54.573 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 233578
Ion Ratio Lower Upper
106 100
91 215.0 108.3 324.8

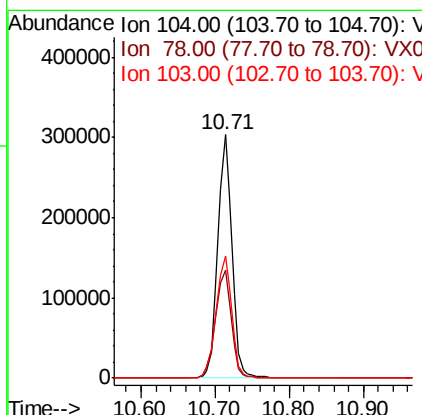
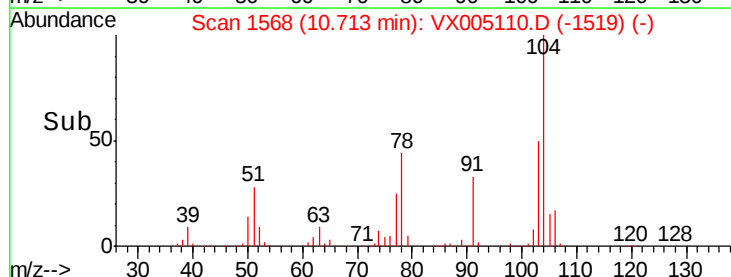
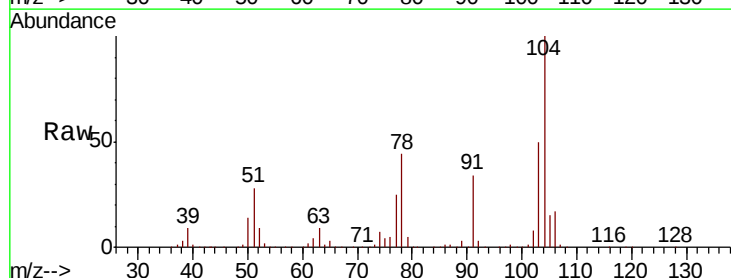
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#70
Styrene
Concen: 49.634 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion:104 Resp: 397190
Ion Ratio Lower Upper
104 100
78 50.0 40.0 60.0
103 55.5 44.3 66.5





#71

Bromoform

Concen: 51.859 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

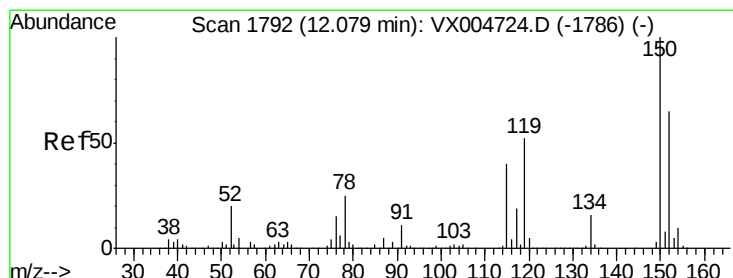
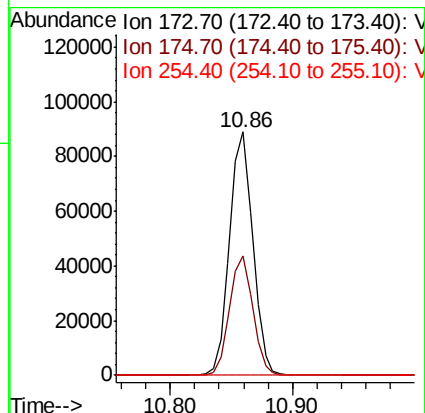
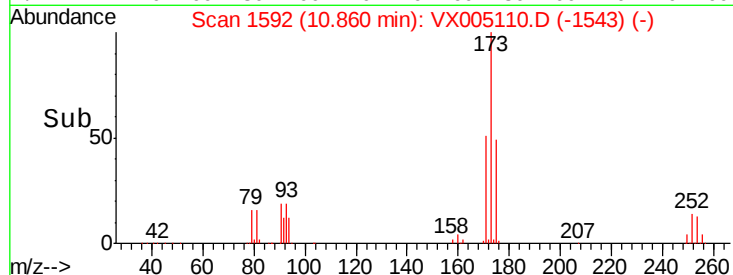
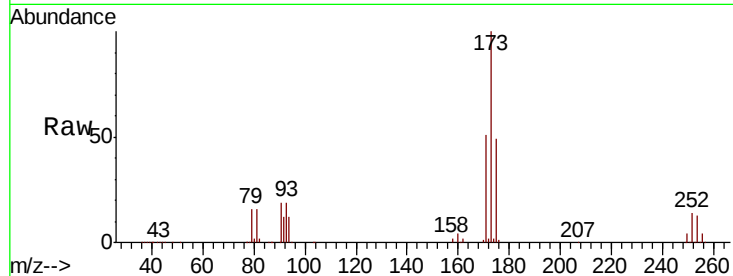
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	117236
Ion Ratio	Lower	Upper	
173	100		
175	49.0	23.3	69.8
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

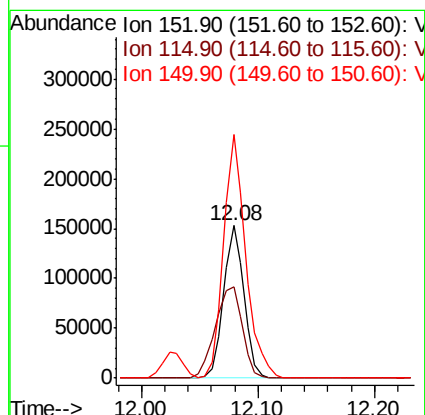
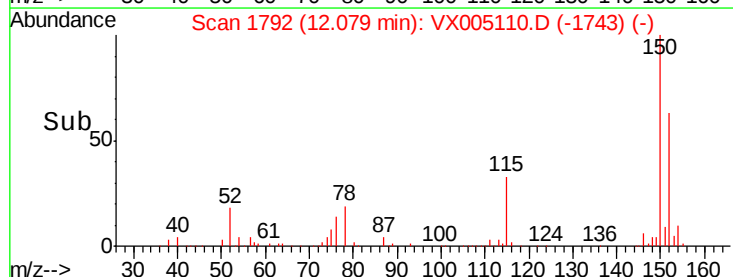
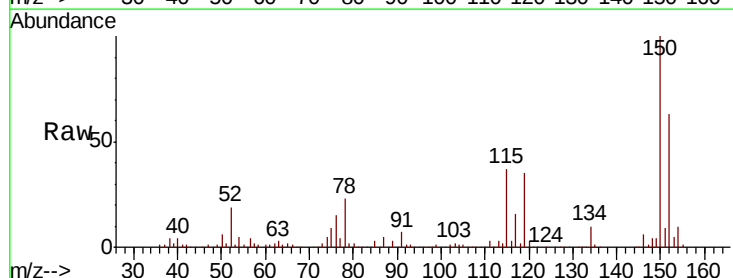
RT: 12.08 min Scan# 1792

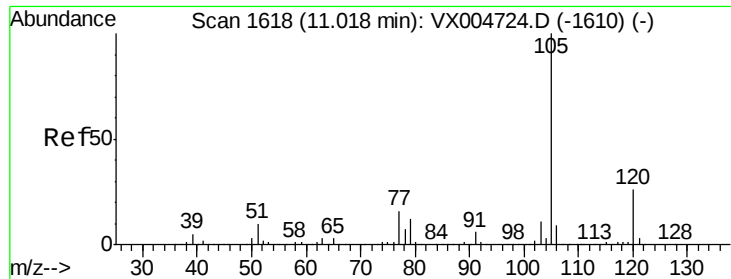
Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion:	152	Resp:	182573
Ion Ratio	Lower	Upper	
152	100		
115	79.9	40.2	120.6
150	175.4	0.0	351.0





#73

Isopropylbenzene

Concen: 54.820 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 630856

Ion Ratio Lower Upper

105 100

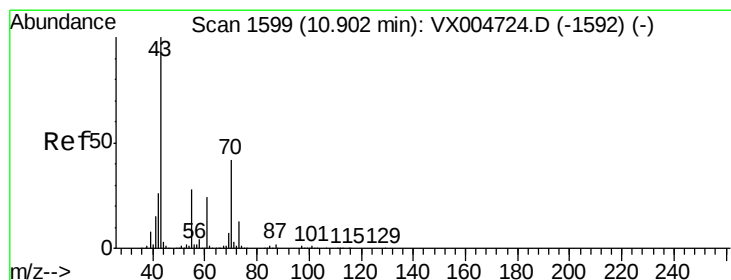
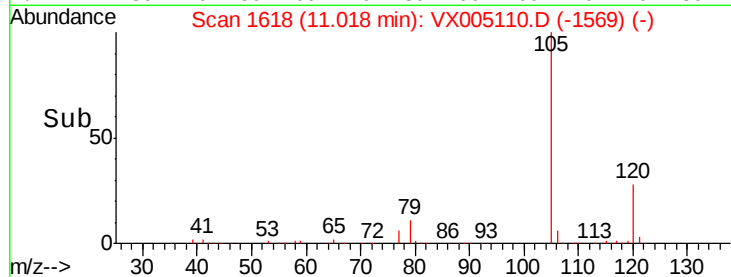
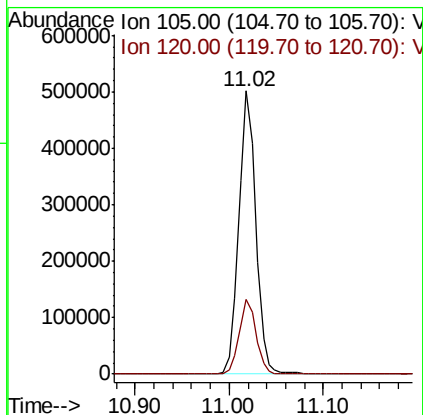
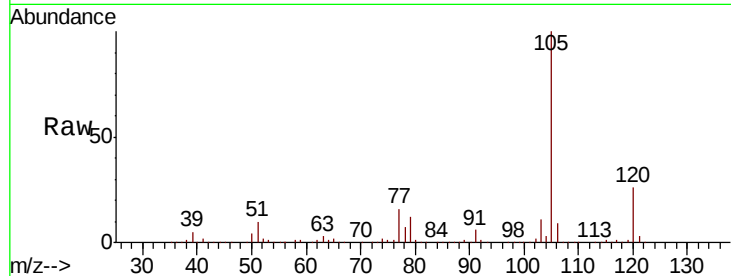
120 26.5 13.2 39.5

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#74

N-ethyl acetate

Concen: 49.692 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion: 43 Resp: 314238

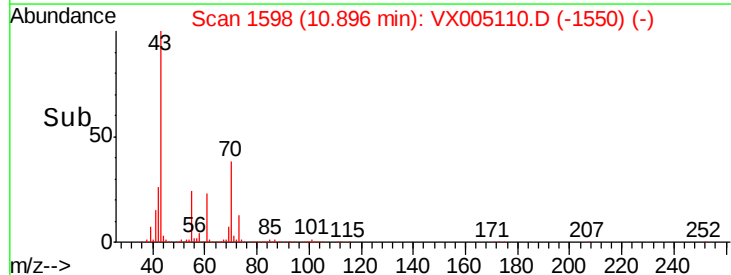
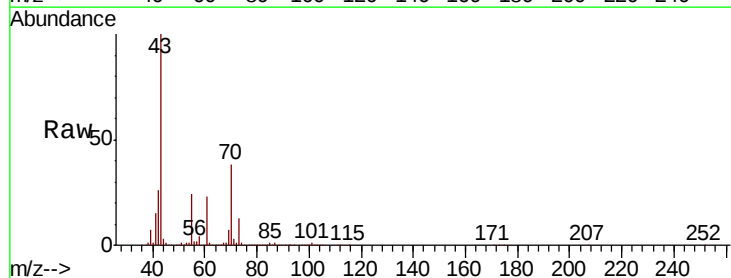
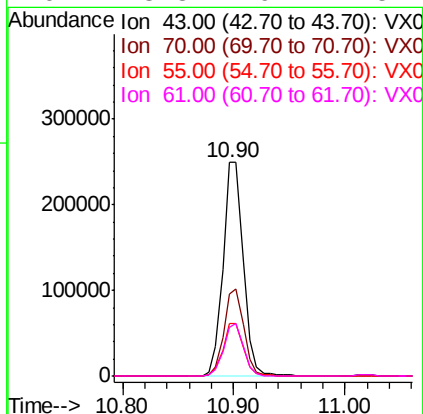
Ion Ratio Lower Upper

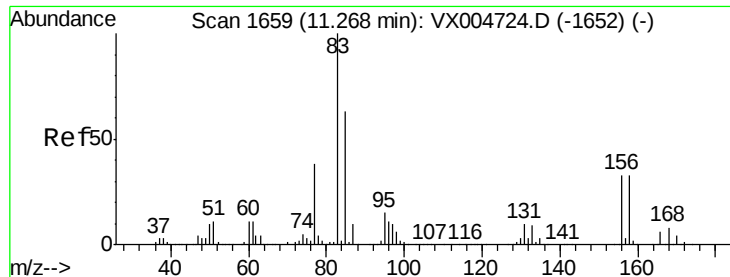
43 100

70 40.0 32.6 48.8

55 24.9 21.6 32.4

61 23.8 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.934 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

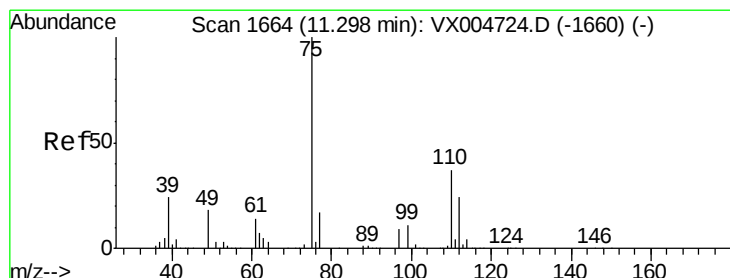
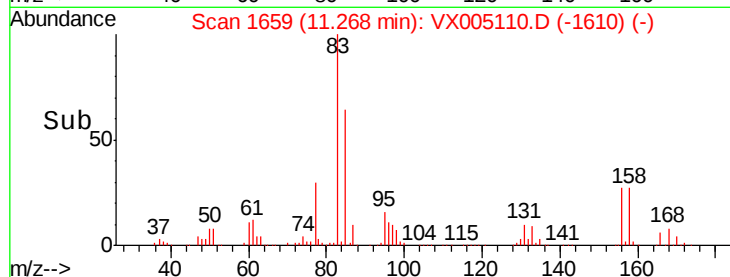
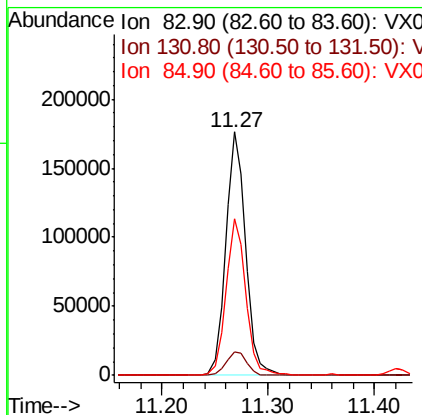
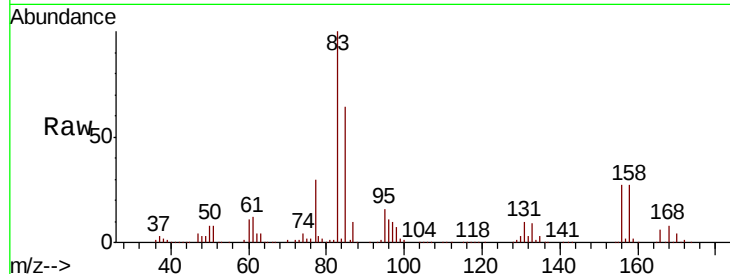
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	229228
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.3	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 51.068 ug/l m

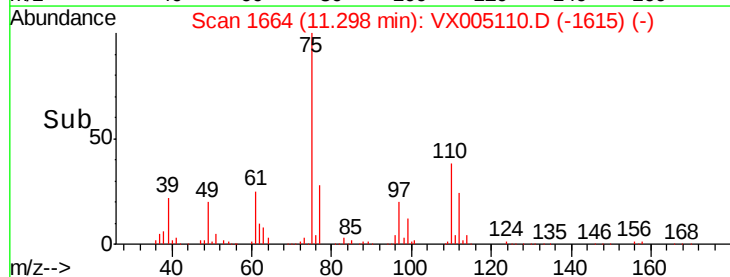
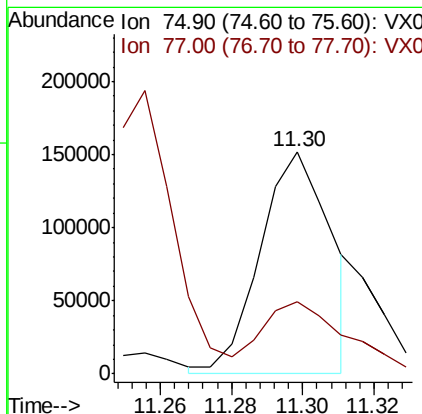
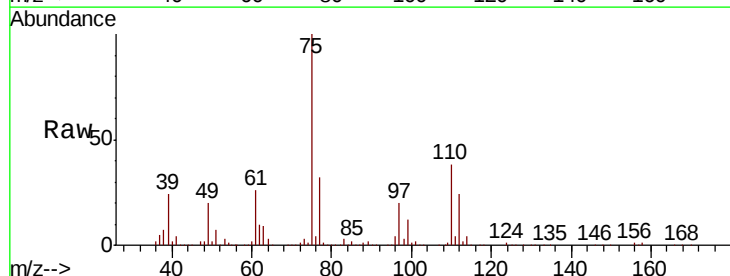
RT: 11.30 min Scan# 1664

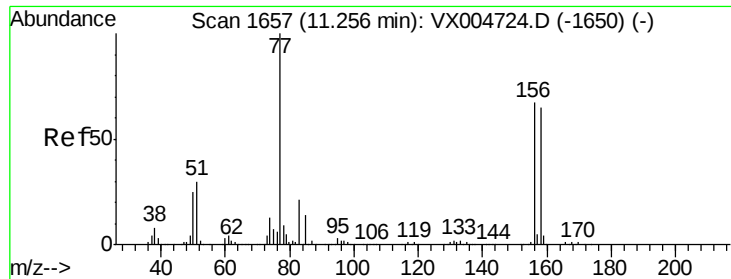
Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion:	75	Resp:	208977
Ion Ratio	Lower	Upper	
75	100		
77	39.1	21.4	64.3





#77

Bromobenzene

Concen: 50.920 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 170202

Ion Ratio Lower Upper

156 100

77 147.4 73.4 220.2

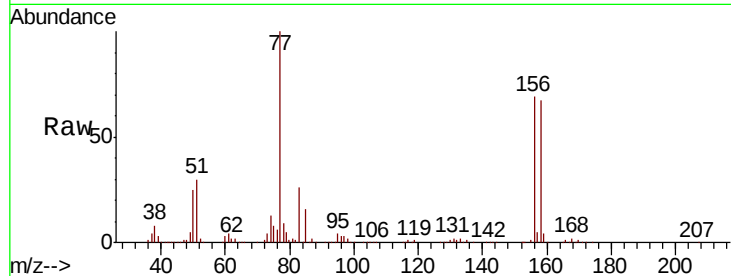
158 97.1 49.1 147.4

Manual Integrations

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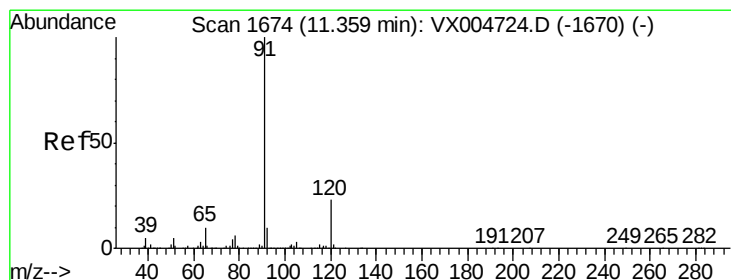
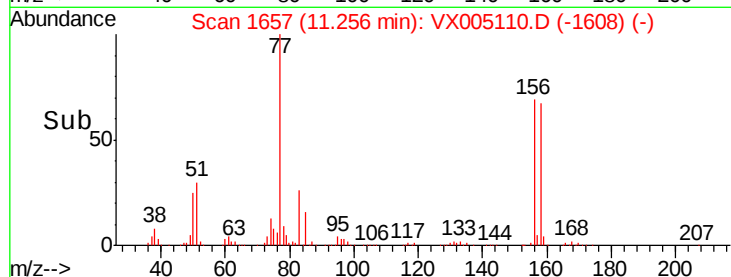
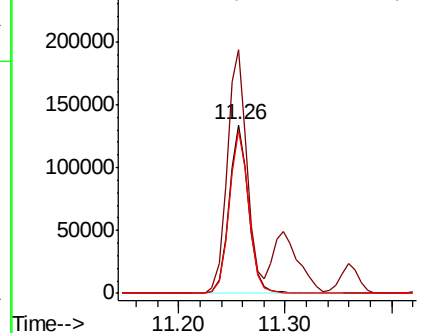
10/8/2018 2:02:45 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.124 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005110.D

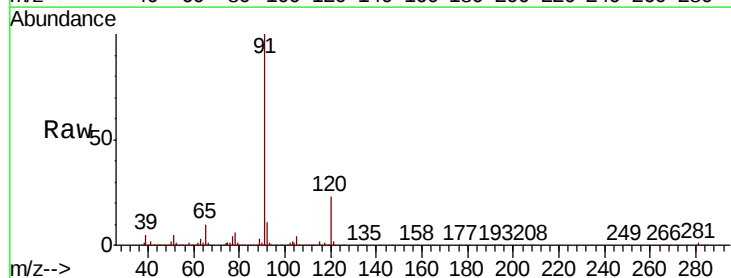
Acq: 06 Oct 2018 11:46

Tgt Ion: 91 Resp: 727855

Ion Ratio Lower Upper

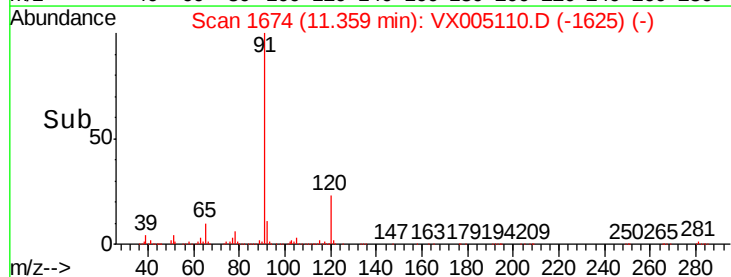
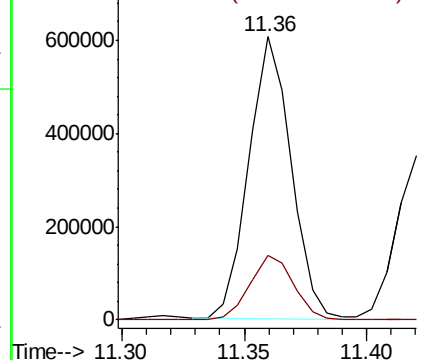
91 100

120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.148 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 437421

Ion Ratio Lower Upper

91 100

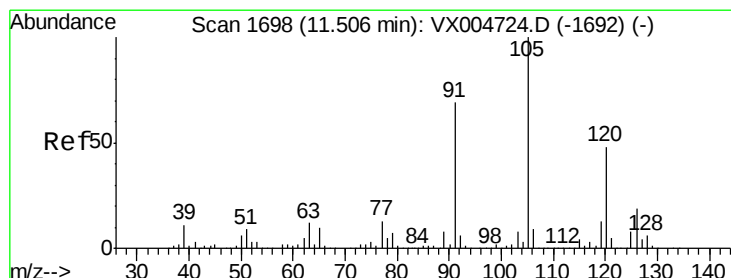
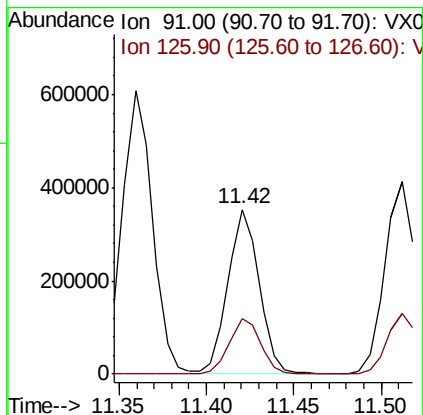
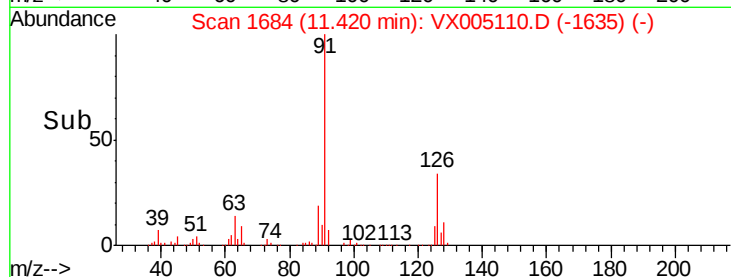
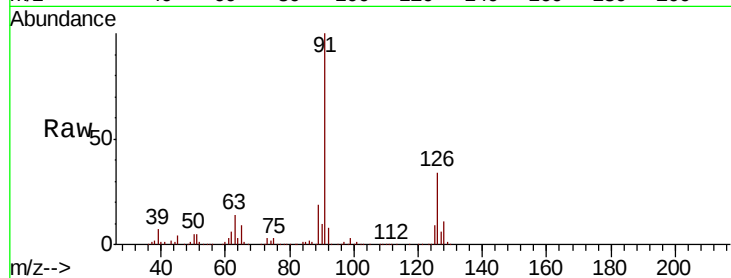
126 34.6 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.472 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005110.D

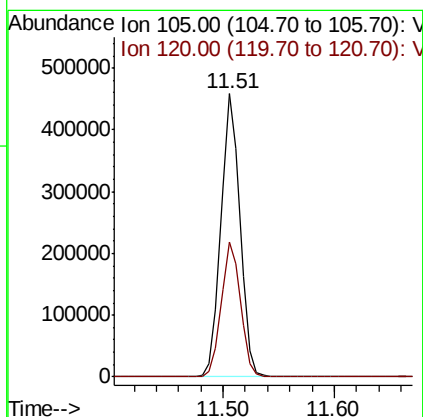
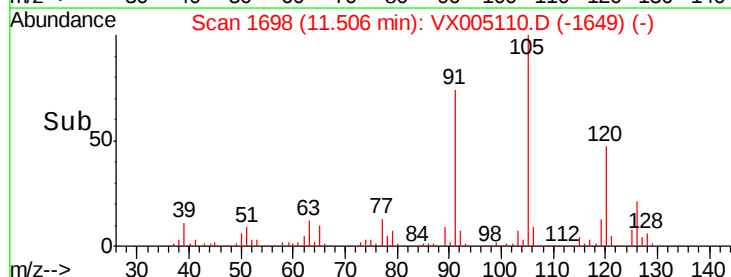
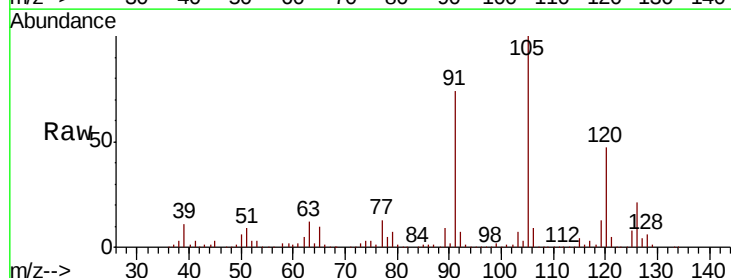
Acq: 06 Oct 2018 11:46

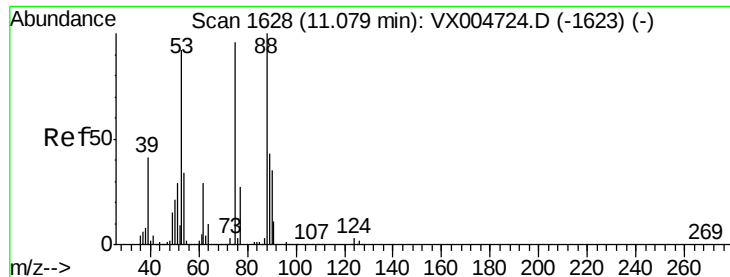
Tgt Ion: 105 Resp: 542836

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 35.568 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 52470

Ion Ratio Lower Upper

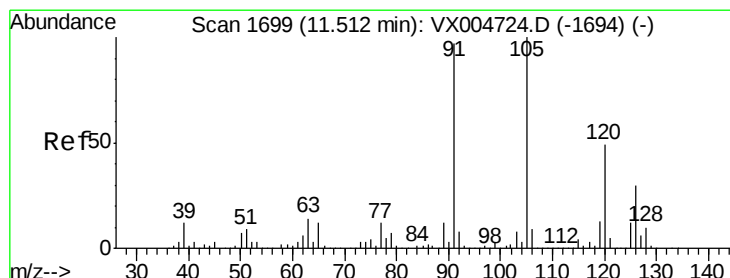
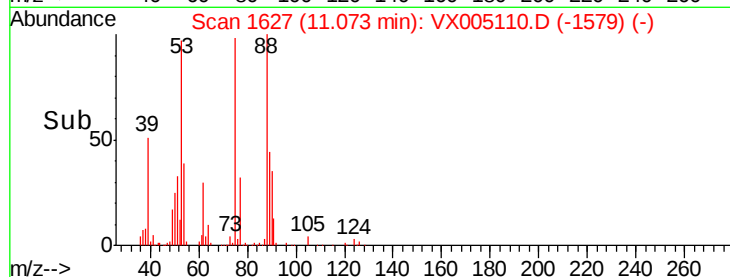
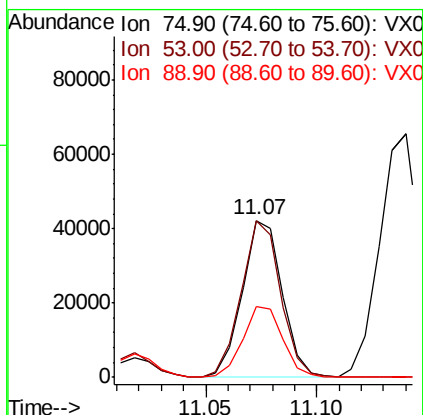
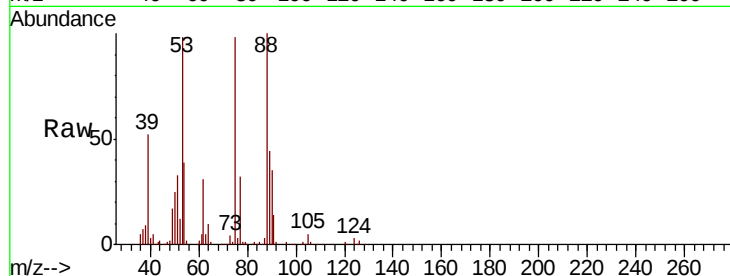
75 100

53 98.7 80.2 120.4

89 45.8 37.1 55.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.052 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005110.D

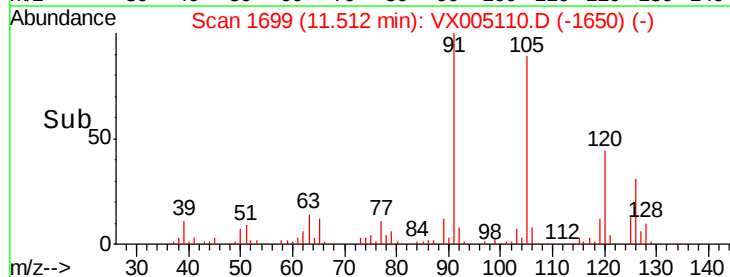
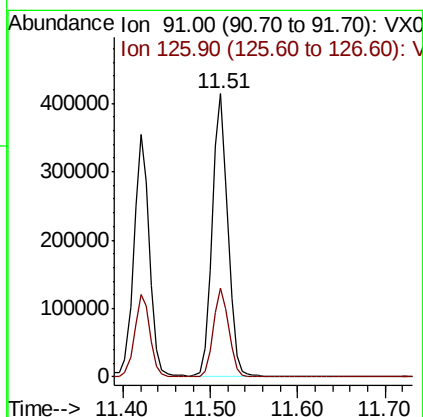
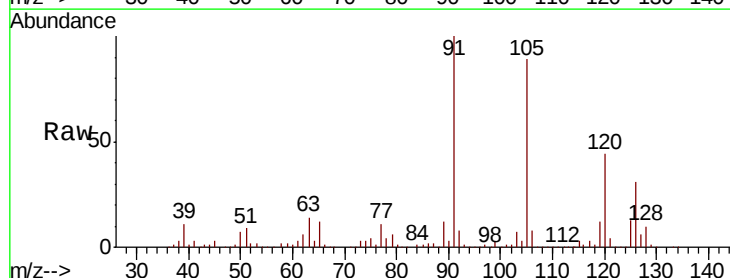
Acq: 06 Oct 2018 11:46

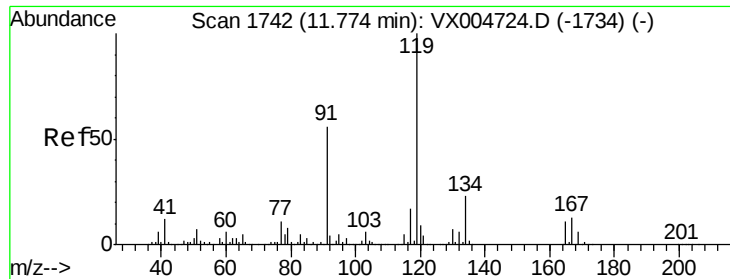
Tgt Ion: 91 Resp: 513930

Ion Ratio Lower Upper

91 100

126 30.8 15.5 46.5





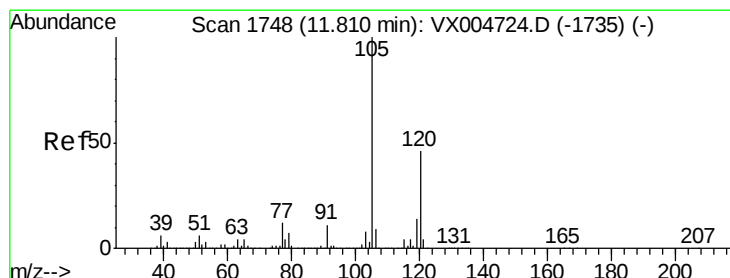
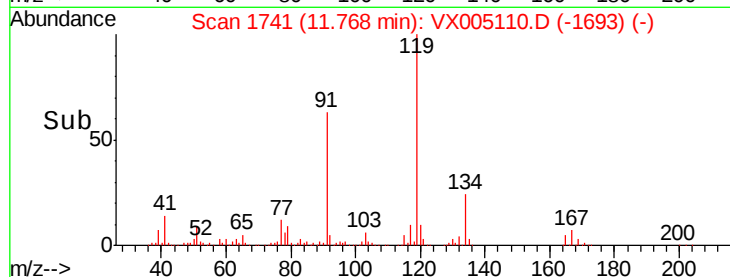
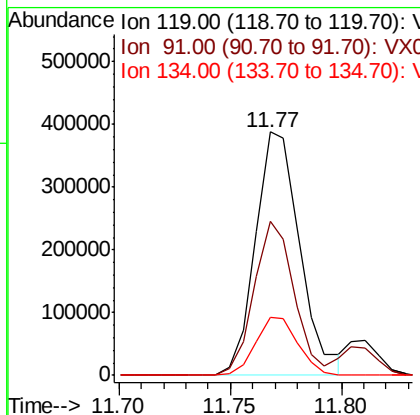
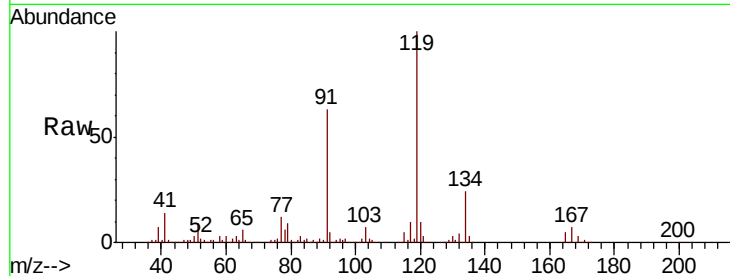
#83
 tert-Butylbenzene
 Concen: 56.867 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.1	27.5	82.5
134	22.8	11.5	34.4

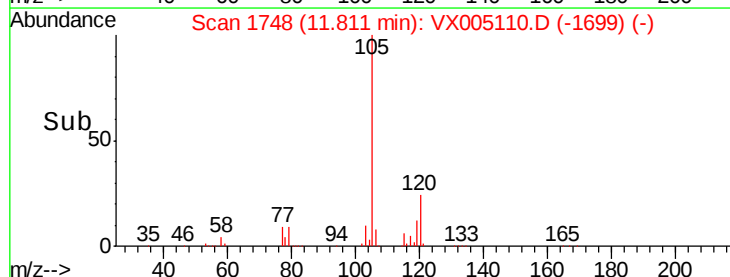
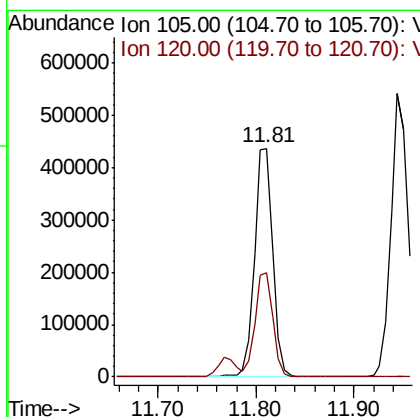
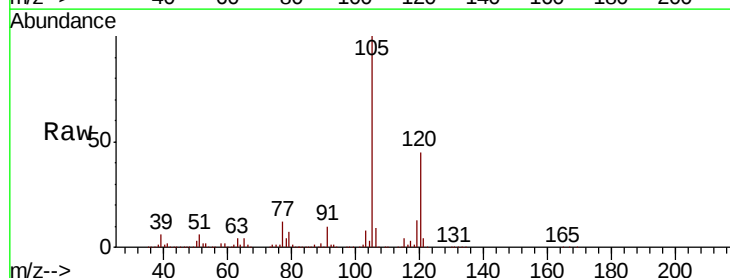
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.604 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.8	68.3





#85

sec-Butylbenzene

Concen: 56.596 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 653148

Ion Ratio Lower Upper

105 100

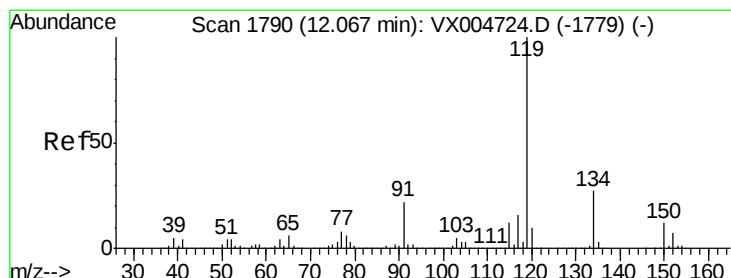
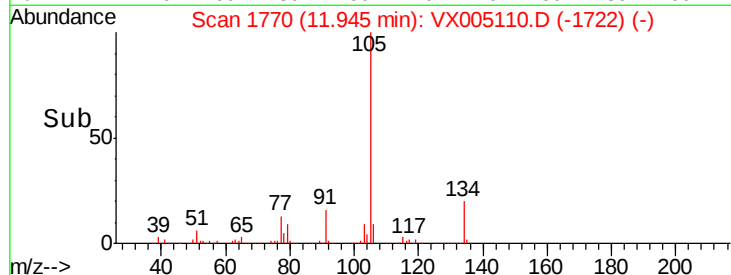
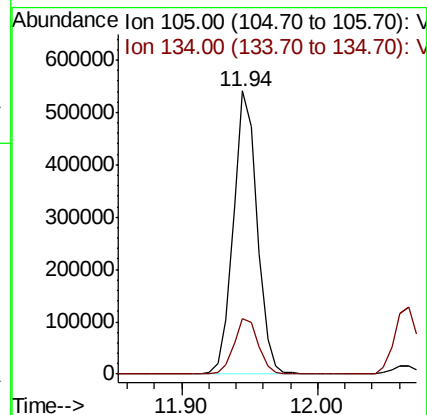
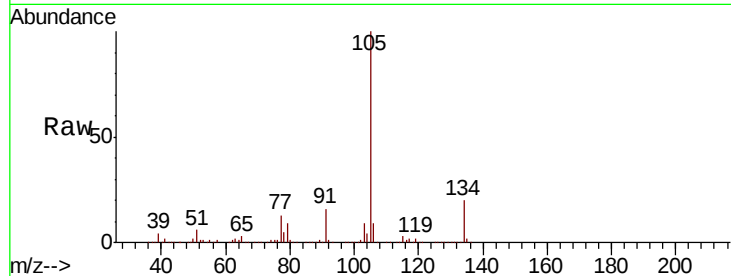
134 20.4 10.2 30.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 55.731 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

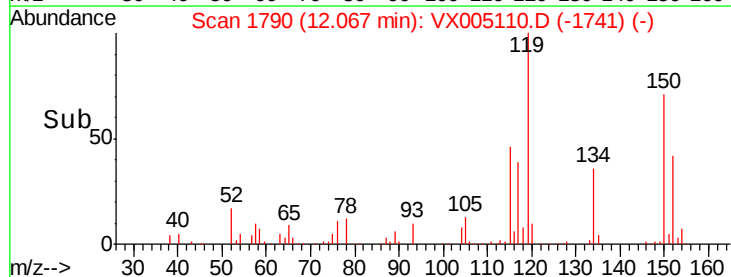
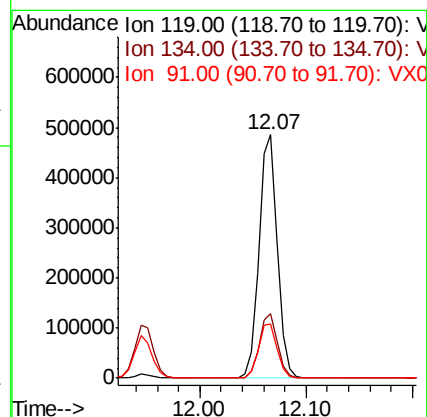
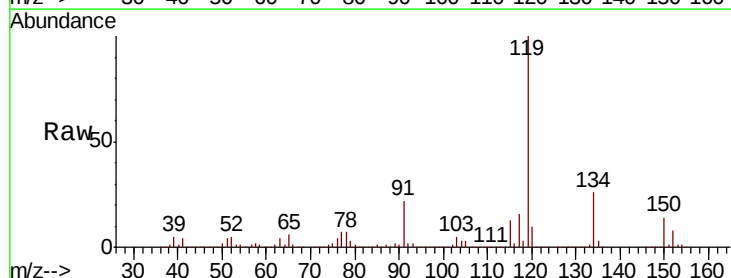
Tgt Ion:119 Resp: 582714

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

91 23.0 11.5 34.4





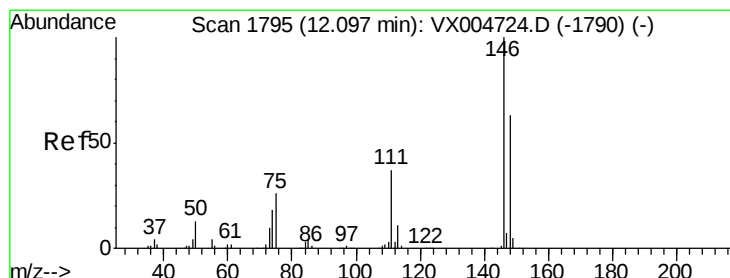
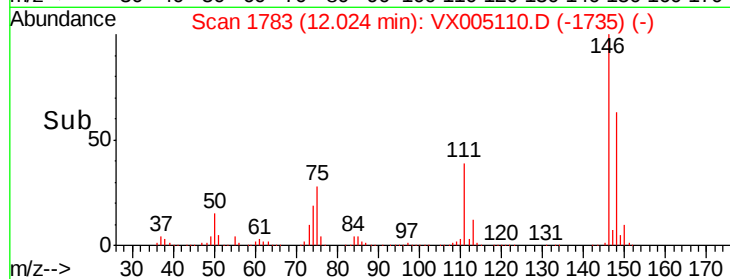
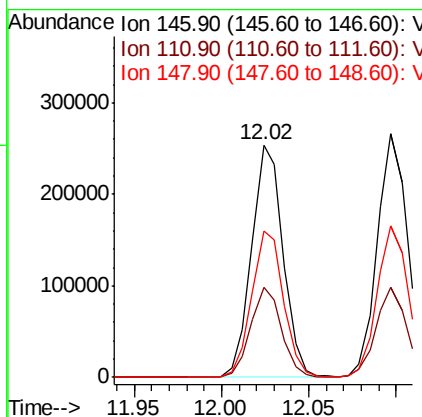
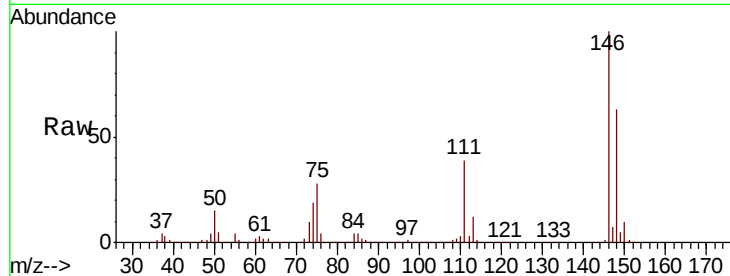
#87
 1,3-Dichlorobenzene
 Concen: 50.974 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.9	56.9
148	63.5	31.8	95.3

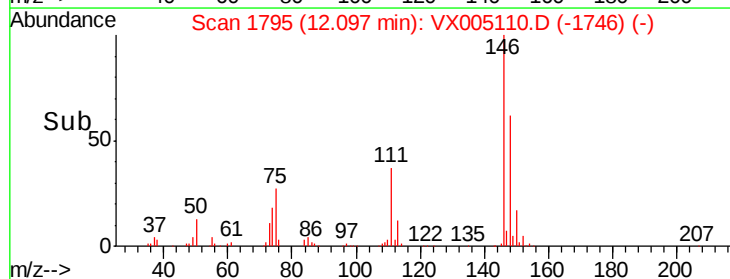
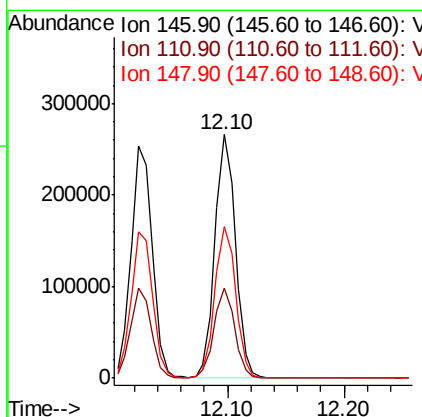
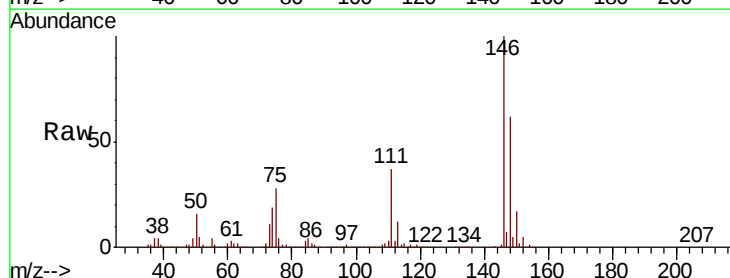
Manual Integrations
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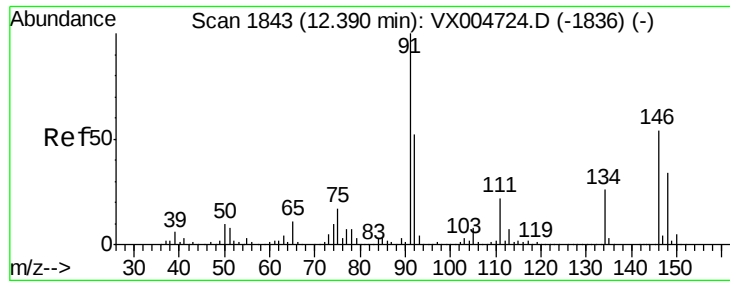
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#88
 1,4-Dichlorobenzene
 Concen: 50.083 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.4	55.2
148	63.4	32.0	96.0





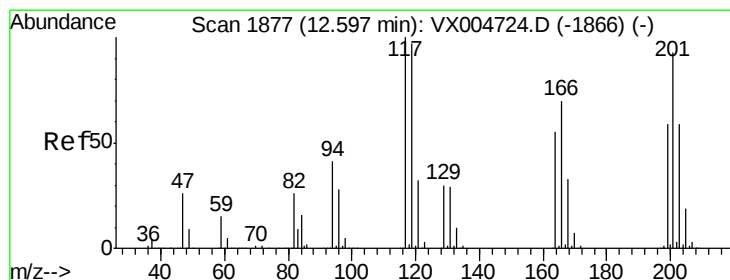
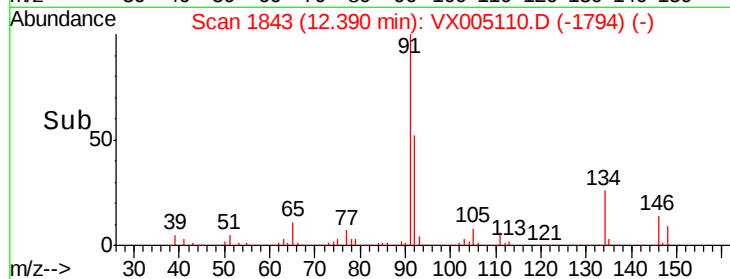
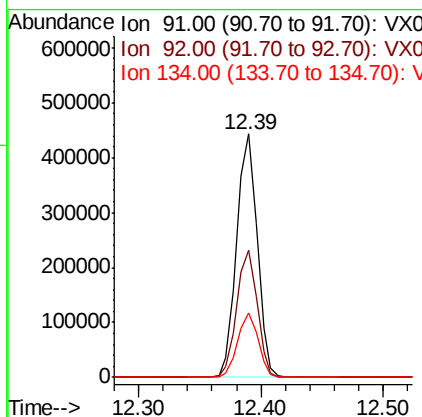
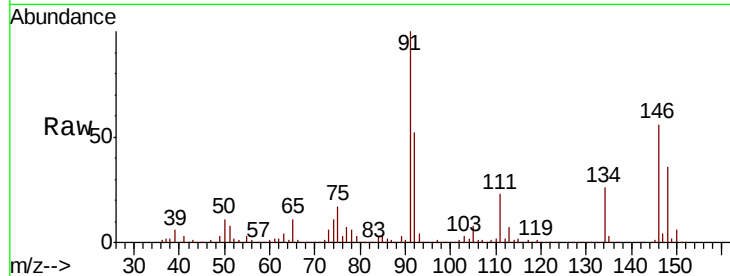
#89
n-Butylbenzene
Concen: 53.957 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	26.3	13.2	39.6

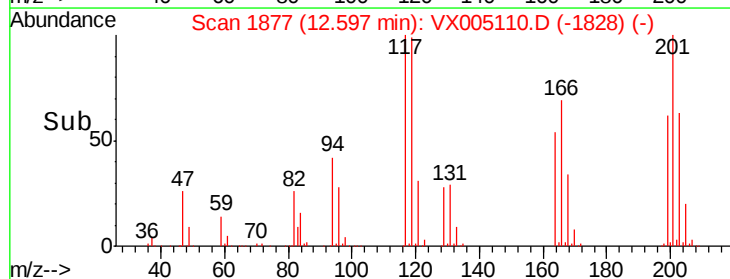
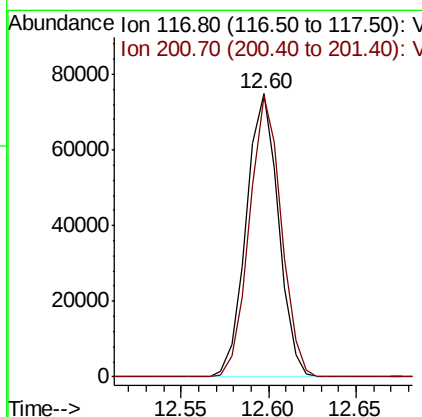
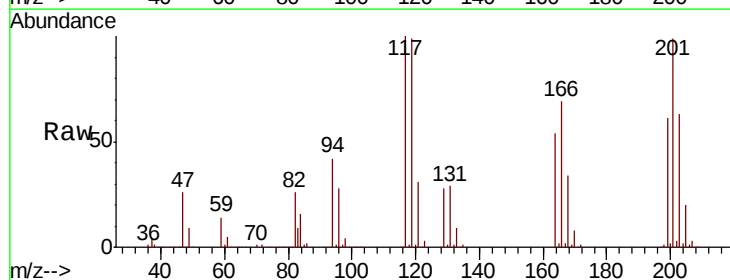
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#90
Hexachloroethane
Concen: 55.085 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005110.D
Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.1	48.4	145.0





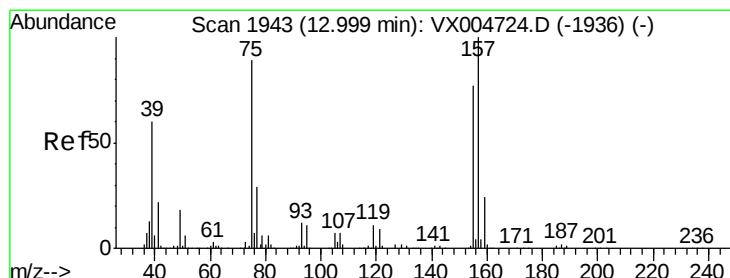
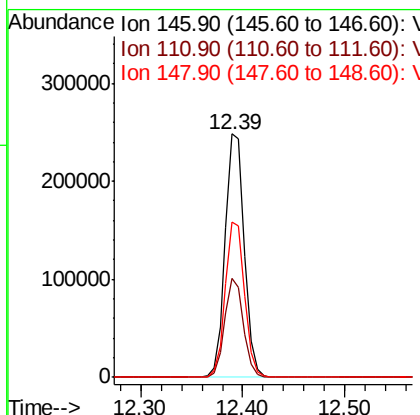
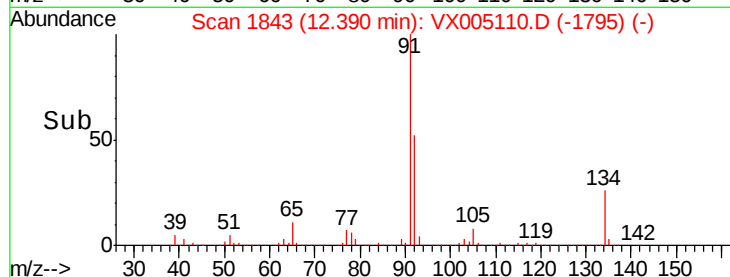
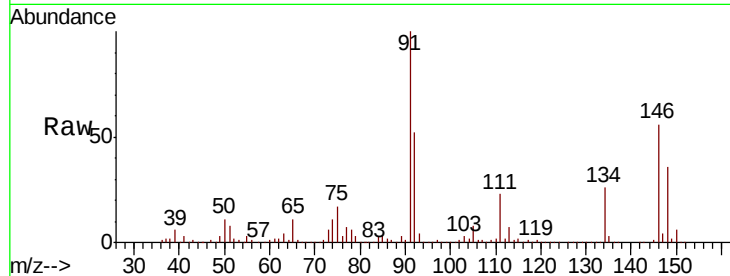
#91
 1,2-Dichlorobenzene
 Concen: 49.433 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.6	58.7
148	64.1	31.8	95.4

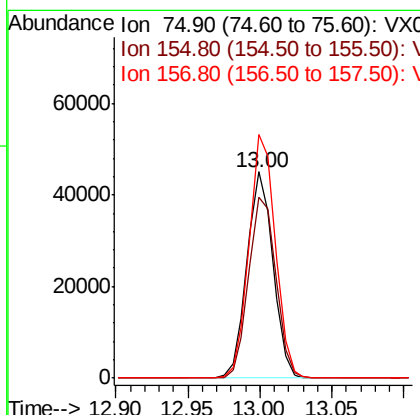
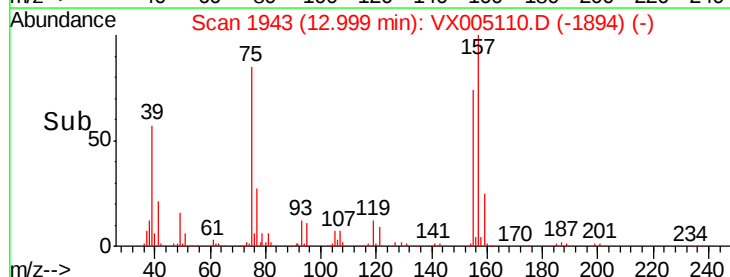
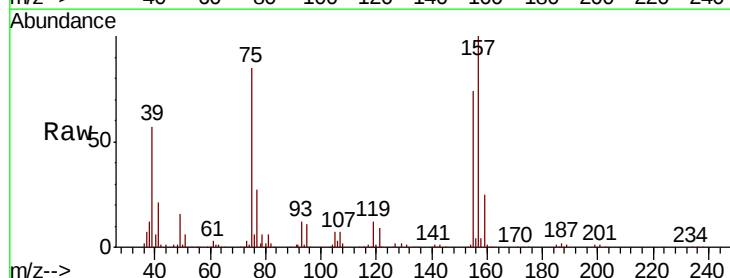
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.384 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	46.1	138.3
157	119.4	60.2	180.6





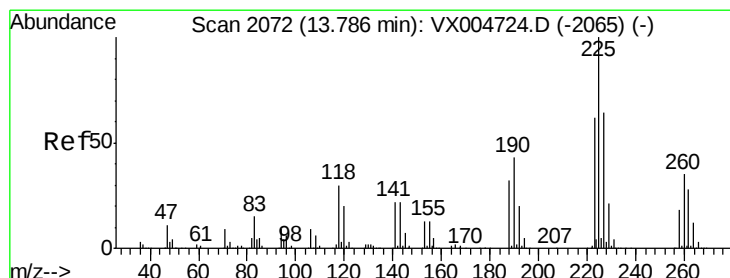
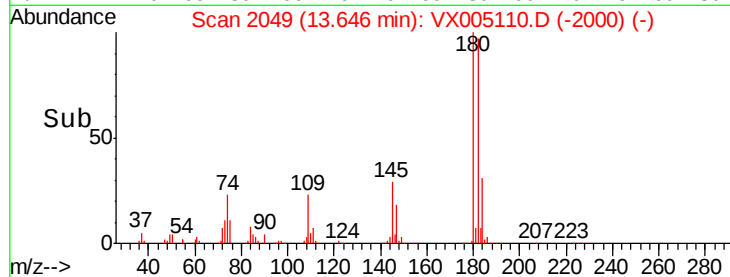
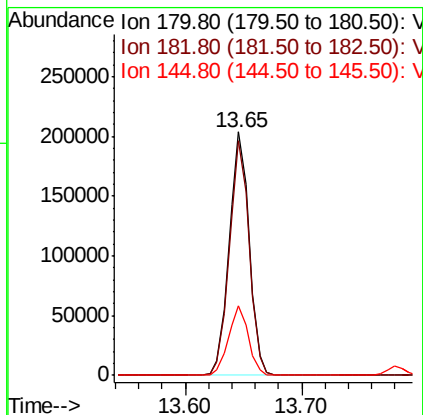
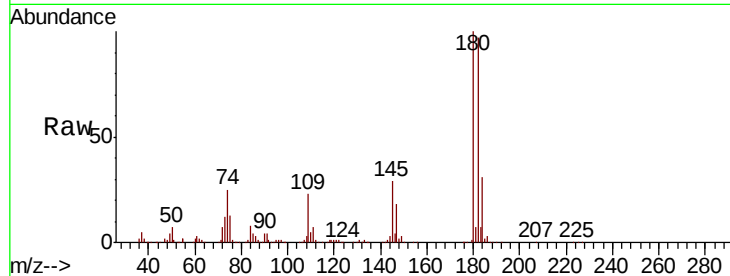
#93
 1,2,4-Trichlorobenzene
 Concen: 53.035 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242663		
182	95.7	47.8	143.4	
145	28.3	14.1	42.4	

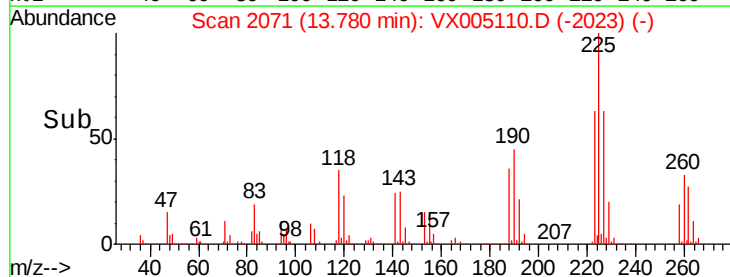
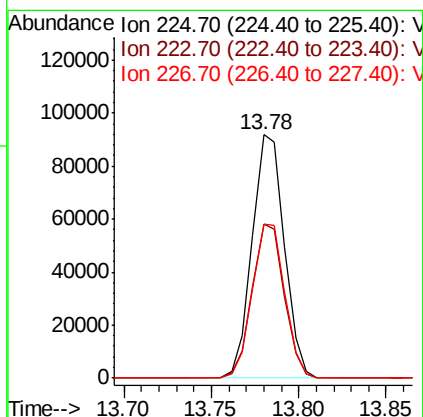
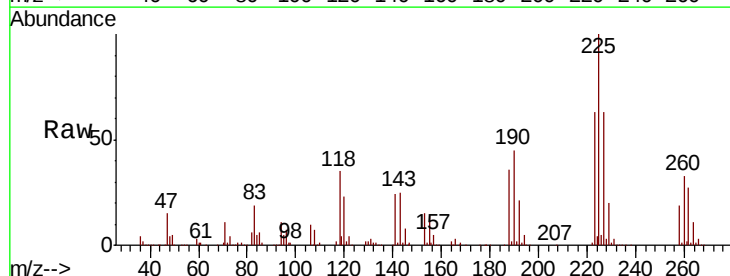
Manual Integrations
 APPROVED

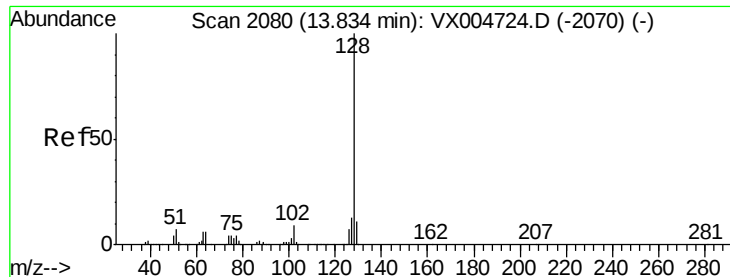
MMDadoda
 10/8/2018 2:02:45 PM



#94
 Hexachlorobutadiene
 Concen: 49.535 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005110.D
 Acq: 06 Oct 2018 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	117530		
223	63.0	31.3	93.8	
227	63.8	31.9	95.5	





#95

Naphthalene

Concen: 51.762 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Instrument :

MSVOA_X

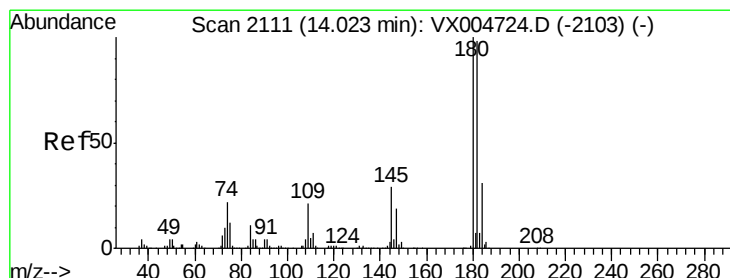
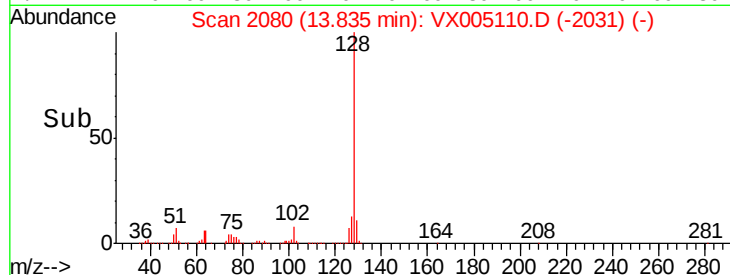
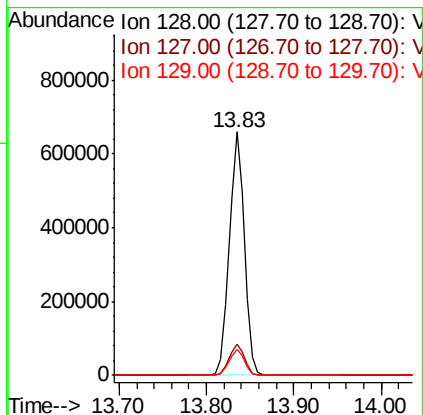
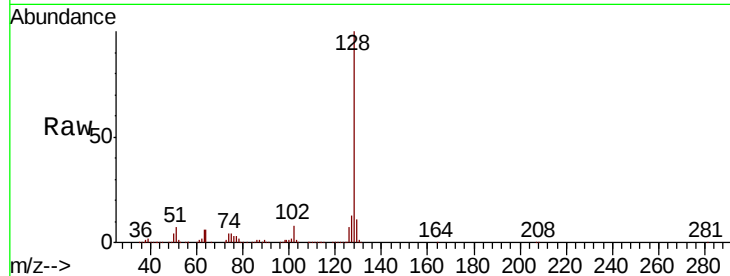
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	786466
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/8/2018 2:02:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.634 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005110.D

Acq: 06 Oct 2018 11:46

Tgt Ion:	180	Resp:	253502
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.8
145	29.9	15.0	45.0

