

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100518\
 Data File : VX005109.D
 Acq On : 06 Oct 2018 11:19
 Operator : JC/MD
 Sample : J5259-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 2:02:44 PM

Quant Time: Oct 08 07:55:52 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	5.66	168	215177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	314129	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	280871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174306	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	152895	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	5.51	113	136842	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	8.72	98	432288	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.14	95	163207	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	135064	46.036	ug/l	94
3) Chloromethane	1.32	50	169608	47.649	ug/l	99
4) Vinyl Chloride	1.40	62	907930	271.960	ug/l	97
5) Bromomethane	1.64	94	111153	56.147	ug/l	95
6) Chloroethane	1.71	64	99751	55.063	ug/l	96
7) Trichlorofluoromethane	1.92	101	209013	50.572	ug/l	95
8) Diethyl Ether	2.19	74	88138	49.089	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	110925	47.117	ug/l	97
10) Methyl Iodide	2.51	142	131655	41.790	ug/l	95
11) Tert butyl alcohol	3.07	59	213944	248.927	ug/l	99
12) 1,1-Dichloroethene	2.37	96	116434	49.939	ug/l	97
13) Acrolein	2.29	56	36492	59.676	ug/l	92
14) Allyl chloride	2.73	41	253652	49.861	ug/l	98
15) Acrylonitrile	3.15	53	490077	259.025	ug/l	96
16) Acetone	2.45	43	468536	261.089	ug/l	98
17) Carbon Disulfide	2.57	76	309777	44.216	ug/l	100
18) Methyl Acetate	2.78	43	234744	51.630	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	421539	52.416	ug/l	97
20) Methylene Chloride	2.85	84	149251	57.325	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	127051	49.780	ug/l #	78
22) Diisopropyl ether	3.86	45	467665	54.593	ug/l #	91
23) Vinyl Acetate	3.82	43	1453028	185.305	ug/l	99
24) 1,1-Dichloroethane	3.70	63	269765	52.792	ug/l	99
25) 2-Butanone	4.70	43	703420	265.921	ug/l	100
26) 2,2-Dichloropropane	4.59	77	97817	27.490	ug/l #	43
27) cis-1,2-Dichloroethene	4.59	96	867758	304.347	ug/l	93
28) Bromochloromethane	5.02	49	133814	55.609	ug/l	98
29) Tetrahydrofuran	5.16	42	455546	277.080	ug/l	99
30) Chloroform	5.22	83	246272	50.995	ug/l	93
31) Cyclohexane	5.57	56	196603	50.269	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	210819	53.452	ug/l	94
36) 1,1-Dichloropropene	5.80	75	168971	46.518	ug/l	95
37) Ethyl Acetate	4.86	43	184582	38.282	ug/l #	82
38) Carbon Tetrachloride	5.78	117	173795	45.517	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	155164	41.834	ug/l #	85
40) Benzene	6.13	78	569647	50.093	ug/l	91
41) Methacrylonitrile	5.06	41	139278	52.087	ug/l	96
42) 1,2-Dichloroethane	6.20	62	191636	47.670	ug/l	98
43) Isopropyl Acetate	6.46	43	301062	43.261	ug/l	96
44) Trichloroethene	7.21	130	138751	49.633	ug/l	88
45) 1,2-Dichloropropane	7.52	63	132785	47.615	ug/l	98
46) Dibromomethane	7.66	93	85362	48.706	ug/l	99
47) Bromodichloromethane	7.90	83	167362	51.004	ug/l	98
48) Methyl methacrylate	7.78	41	167873	53.146	ug/l	98
49) 1,4-Dioxane	7.76	88	67353	858.283	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	1146136	261.565	ug/l	99
52) Toluene	8.79	92	301649	48.275	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	168023	45.313	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	176298	45.392	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	129794	47.420	ug/l	97
56) Ethyl methacrylate	9.18	69	201764	45.688	ug/l	98
57) 1,3-Dichloropropane	9.37	76	215846	47.382	ug/l	98
59) 2-Hexanone	9.50	43	907225	248.454	ug/l	95
60) Dibromochloromethane	9.59	129	135152	49.374	ug/l	98
61) 1,2-Dibromoethane	9.68	107	131035	44.702	ug/l	95
64) Tetrachloroethene	9.34	164	127857	46.252	ug/l	96
65) Chlorobenzene	10.14	112	353899	49.137	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	127458	50.338	ug/l	99
67) Ethyl Benzene	10.26	91	576424	50.411	ug/l	97
68) m/p-Xylenes	10.36	106	449401	100.575	ug/l	95
69) o-Xylene	10.70	106	218353	53.203	ug/l	100
70) Styrene	10.71	104	368217	48.057	ug/l	100
71) Bromoform	10.86	173	110835	51.129	ug/l #	96
73) Isopropylbenzene	11.02	105	589139	53.623	ug/l	100
74) N-amyl acetate	10.90	43	215441	36.177	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	218941	48.954	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	196343m	50.256	ug/l	
77) Bromobenzene	11.26	156	160697	50.357	ug/l	99
78) n-propylbenzene	11.36	91	664653	52.725	ug/l	99
79) 2-Chlorotoluene	11.42	91	404372	51.463	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	498025	49.455	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49180	34.956	ug/l	99
82) 4-Chlorotoluene	11.51	91	477319	51.609	ug/l	99
83) tert-Butylbenzene	11.77	119	503757	55.690	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	521505	50.220	ug/l	99
85) sec-Butylbenzene	11.94	105	584290	53.030	ug/l	100
86) p-Isopropyltoluene	12.07	119	524882	52.581	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	292932	49.159	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	297952	48.437	ug/l	99
89) n-Butylbenzene	12.39	91	448365	49.456	ug/l	99
90) Hexachloroethane	12.60	117	88810	53.434	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	303416	48.724	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	52566	53.530	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	225895	51.712	ug/l	99

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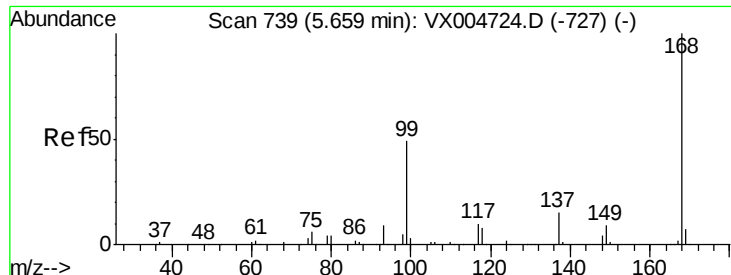
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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	101713	44.902	ug/l	99
95) Naphthalene	13.83	128	766031	52.793	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	235988	52.296	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion:168 Resp: 215177

Ion Ratio Lower Upper

168 100

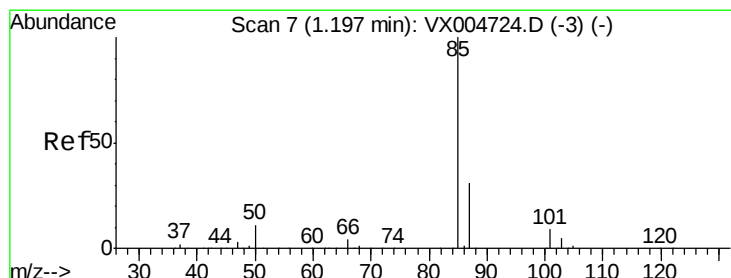
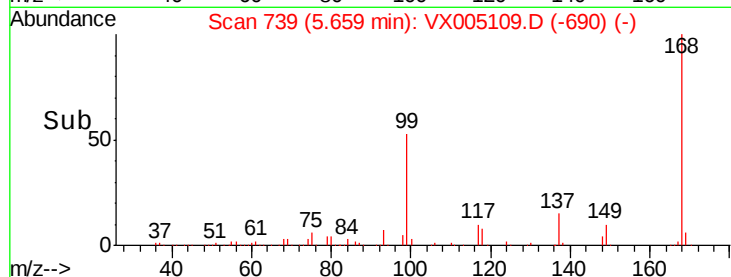
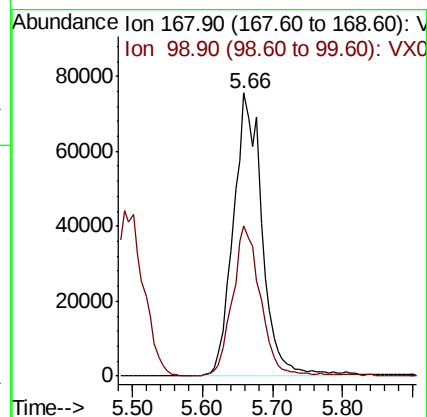
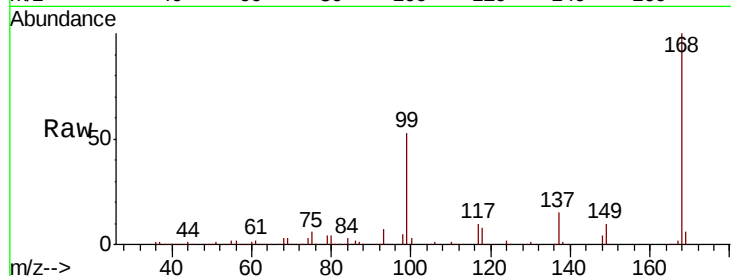
99 52.8 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.036 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005109.D

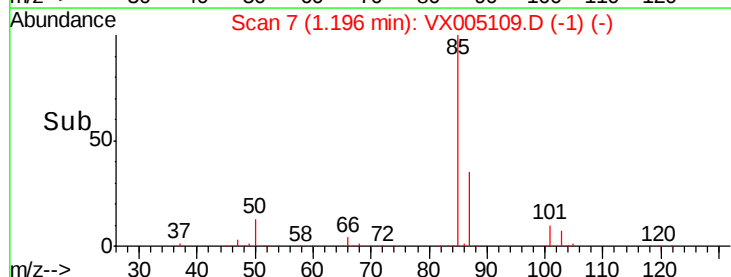
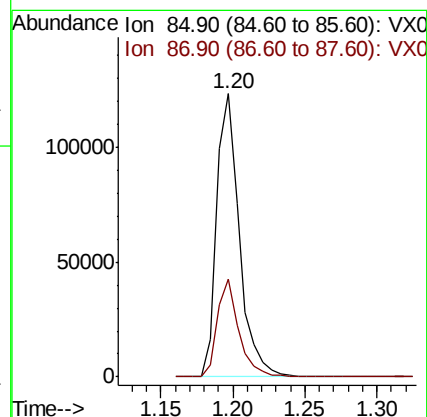
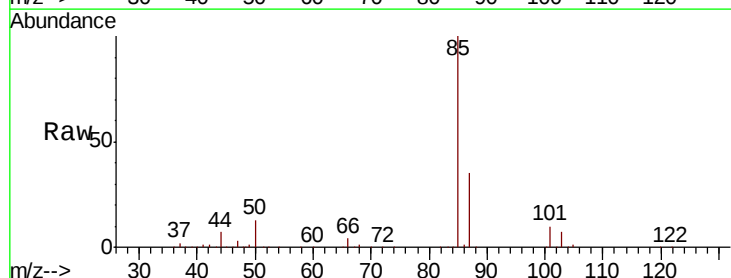
Acq: 06 Oct 2018 11:19

Tgt Ion: 85 Resp: 135064

Ion Ratio Lower Upper

85 100

87 34.8 15.7 47.1





#3

Chloromethane

Concen: 47.649 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion: 50 Resp: 169608

Ion Ratio Lower Upper

50 100

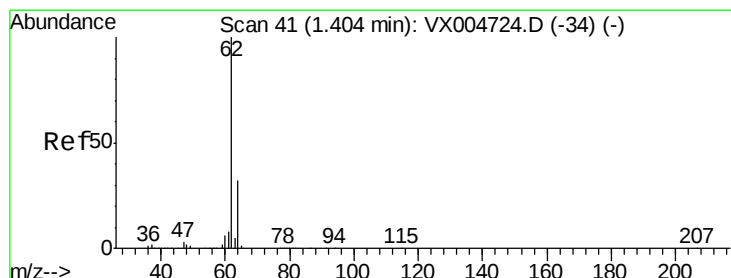
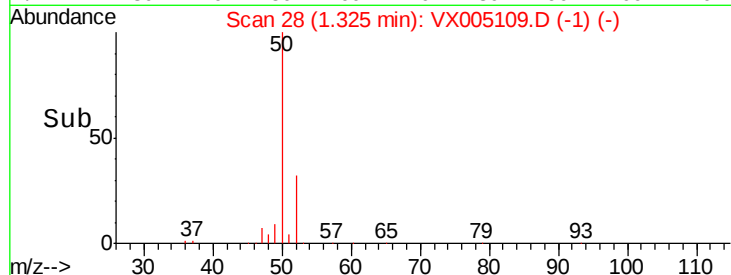
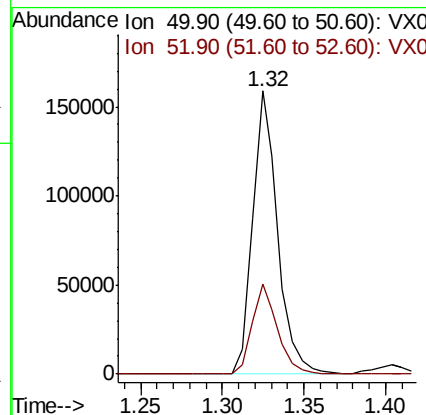
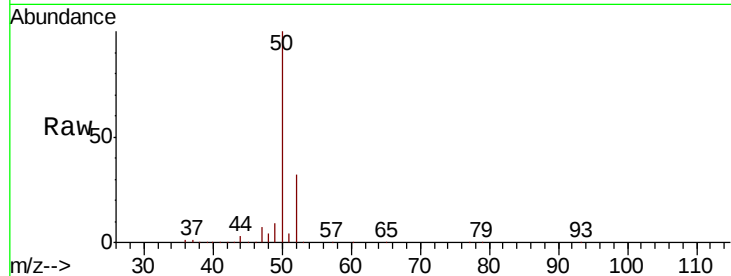
52 31.8 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 271.960 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005109.D

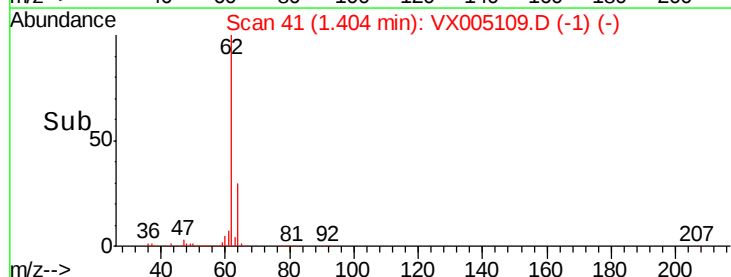
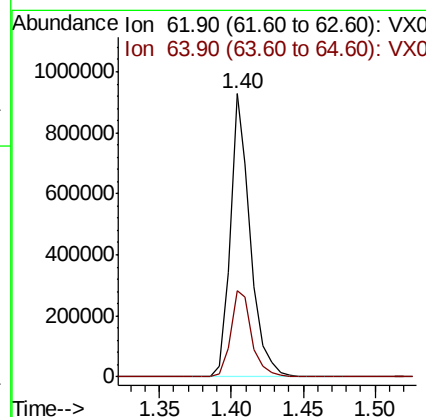
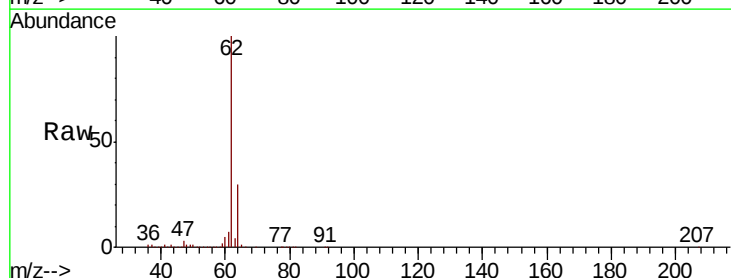
Acq: 06 Oct 2018 11:19

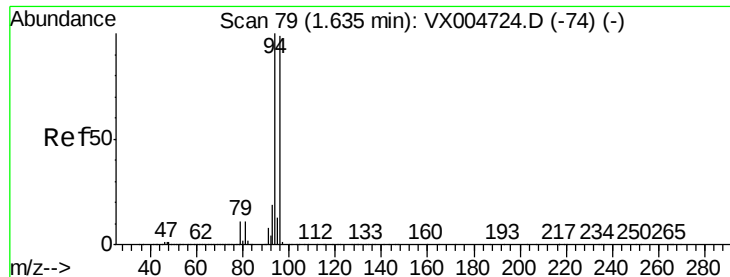
Tgt Ion: 62 Resp: 907930

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3





#5

Bromomethane

Concen: 56.147 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion: 94 Resp: 111153

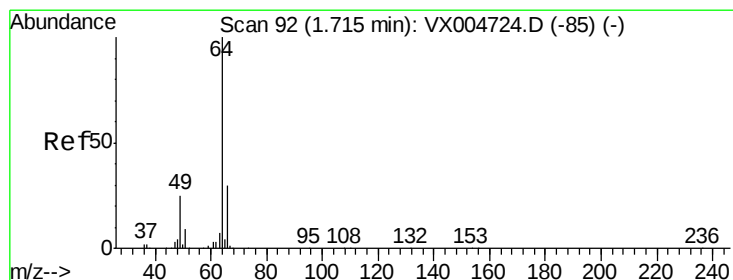
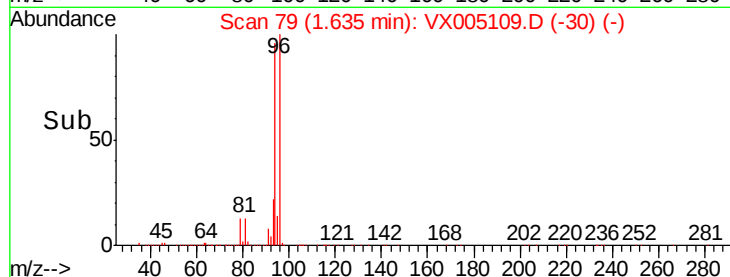
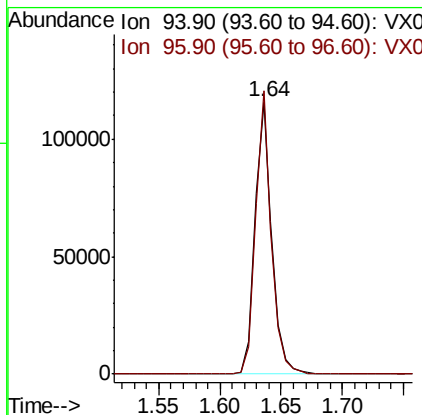
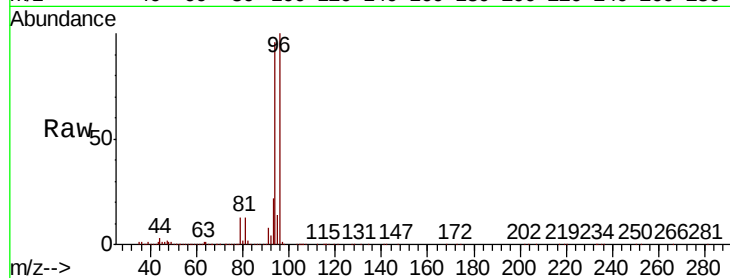
Ion Ratio Lower Upper

94 100

96 104.2 79.5 119.3

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#6

Chloroethane

Concen: 55.063 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005109.D

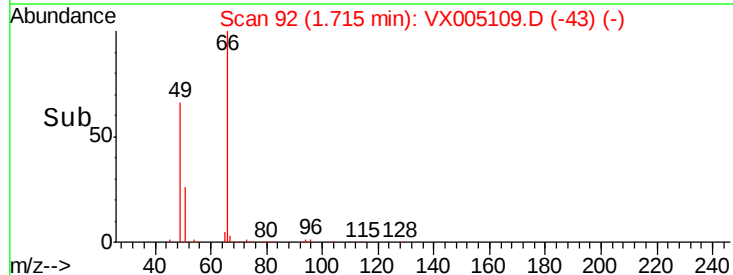
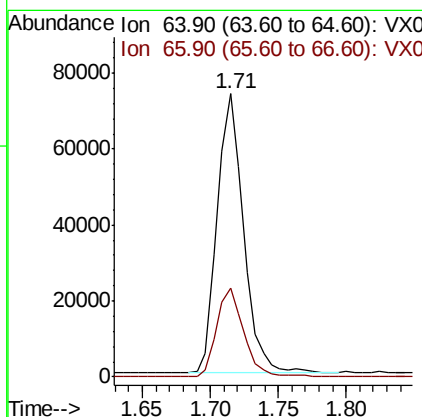
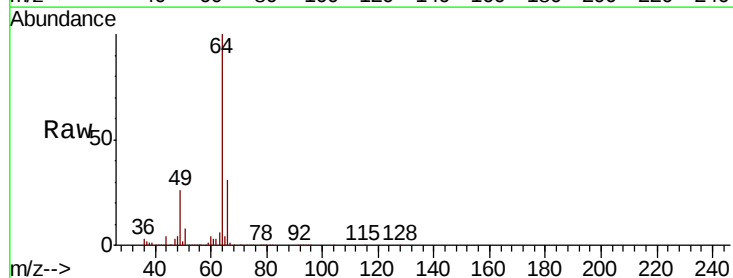
Acq: 06 Oct 2018 11:19

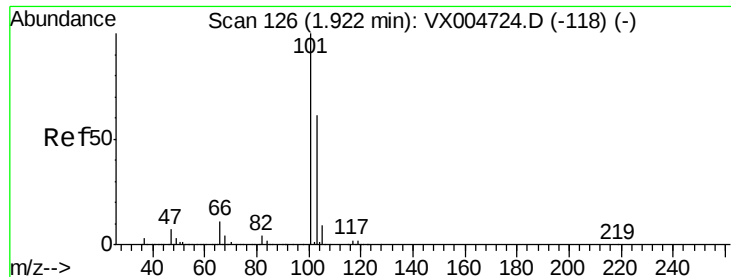
Tgt Ion: 64 Resp: 99751

Ion Ratio Lower Upper

64 100

66 31.7 23.8 35.6





#7

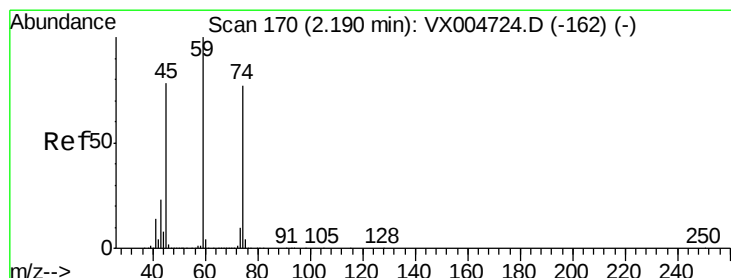
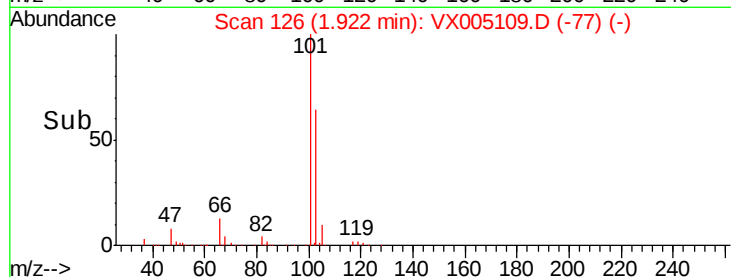
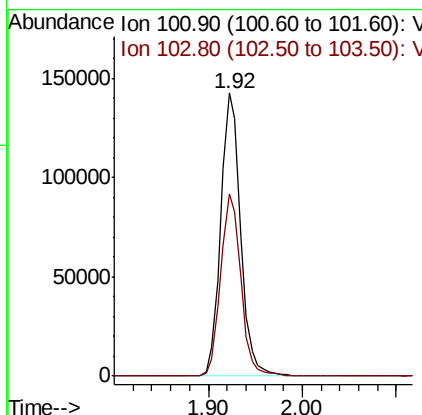
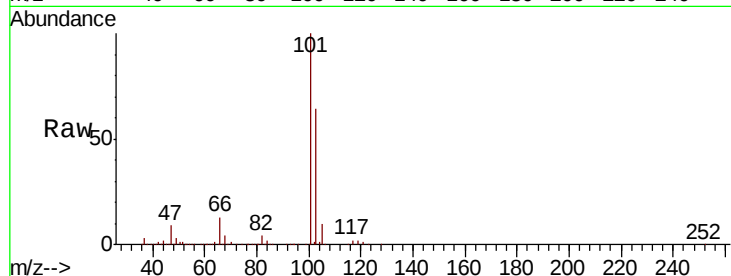
Trichlorofluoromethane
Concen: 50.572 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX005109.D
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	209013		
103	64.2	48.4	72.6	

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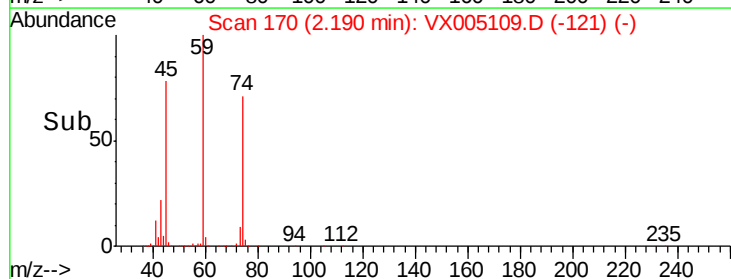
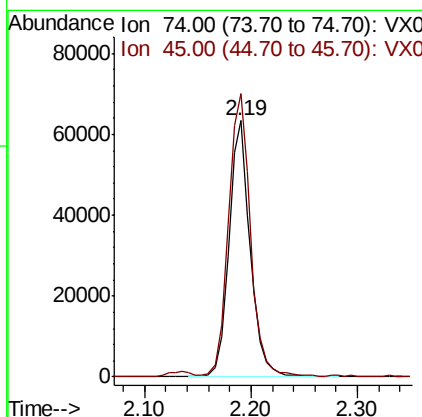
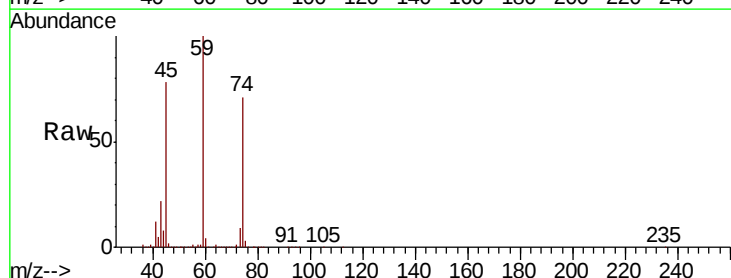
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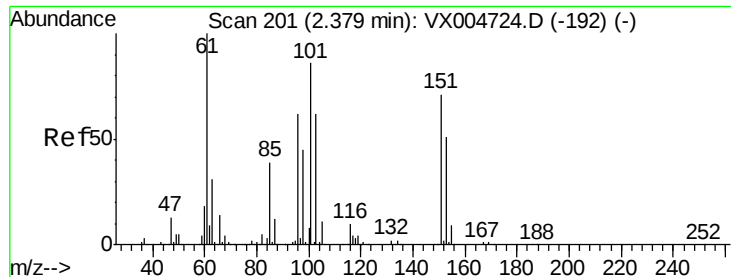


#8

Diethyl Ether
Concen: 49.089 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	88138		
45	113.8	52.5	157.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.117 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

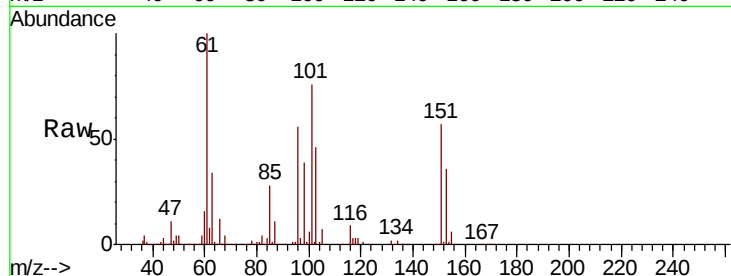
ClientSampleId :

FA18-EX3MSD

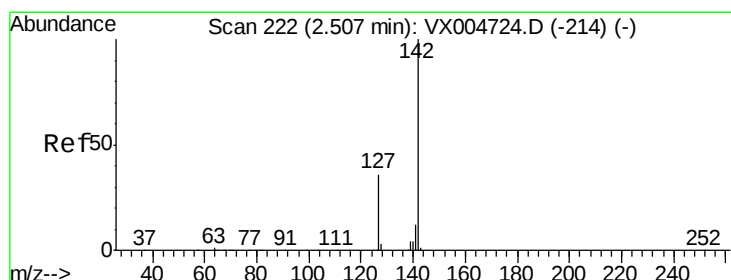
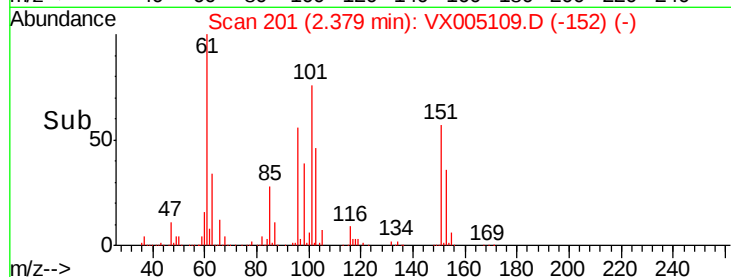
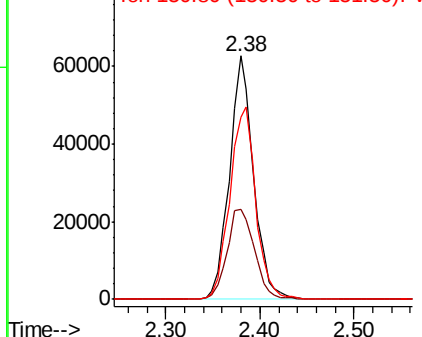
Tot Ion:	101	Resp:	110925
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.9	53.9
151	85.3	66.6	100.0

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: 41.790 ug/l

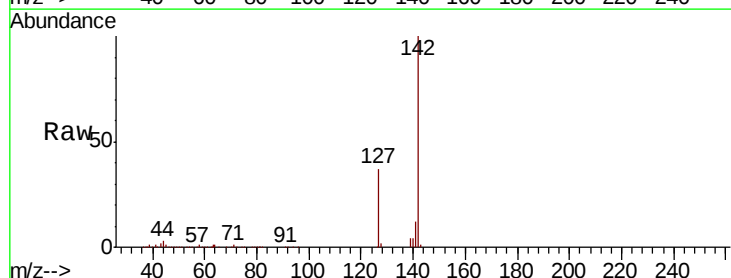
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

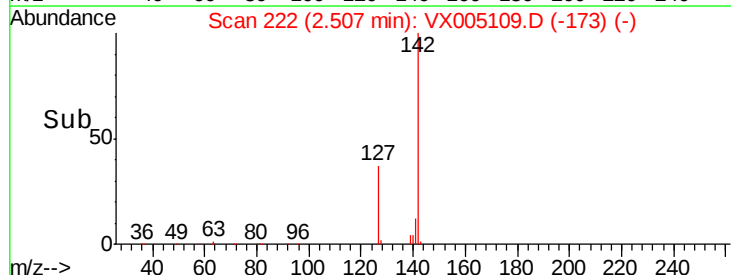
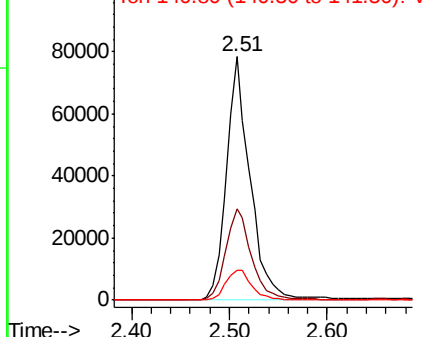
Lab File: VX005109.D

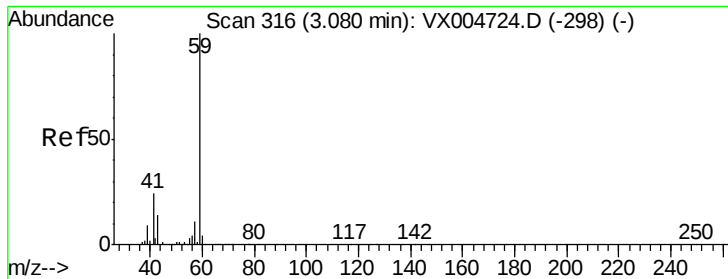
Acq: 06 Oct 2018 11:19

Tgt Ion:	142	Resp:	131655
Ion Ratio	Lower	Upper	
142	100		
127	41.0	30.1	45.1
141	13.7	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

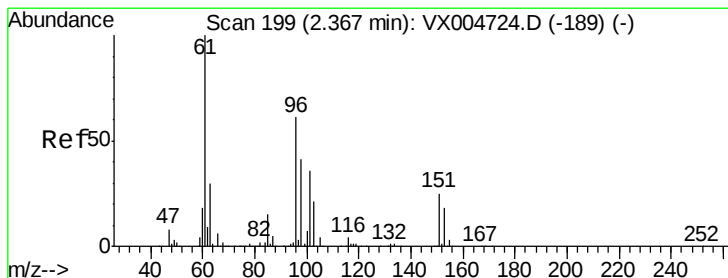
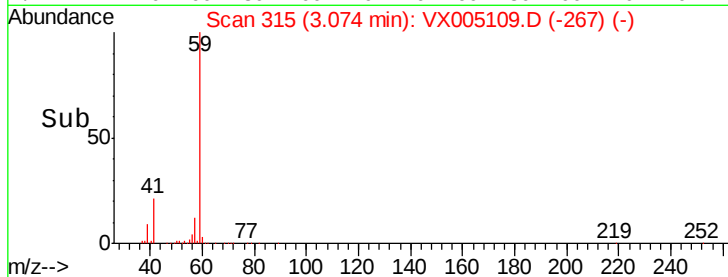
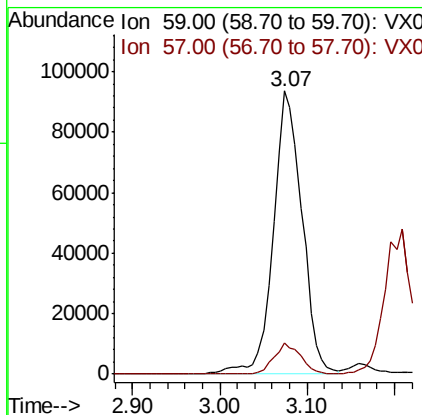
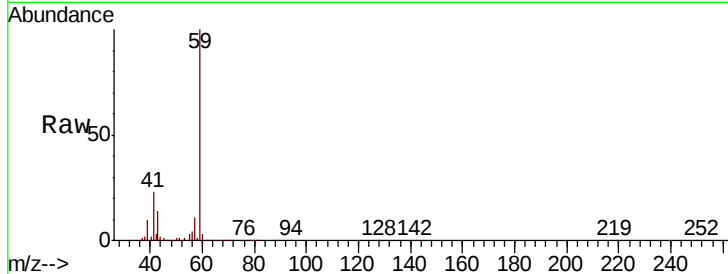
Tert butyl alcohol
Concen: 248.927 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampled :
FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

Manual Integrations
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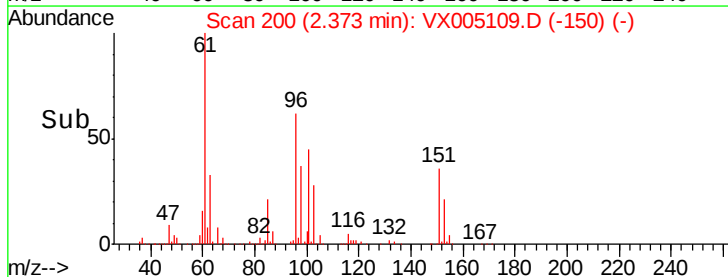
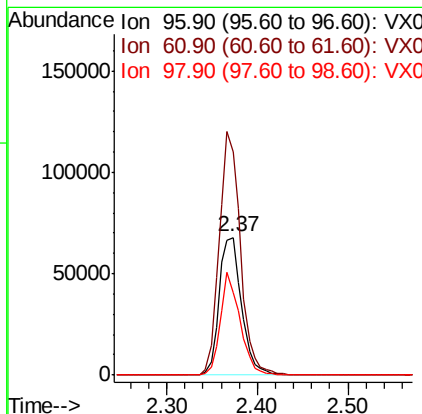
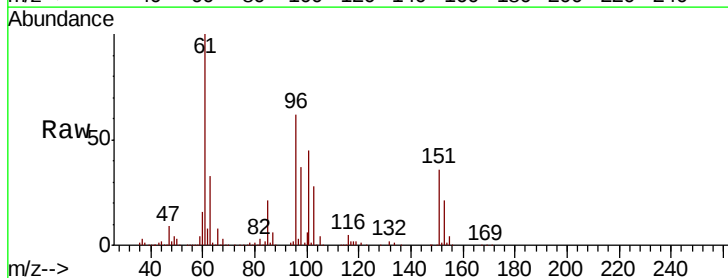
MMDadoda
10/8/2018 2:02:44 PM

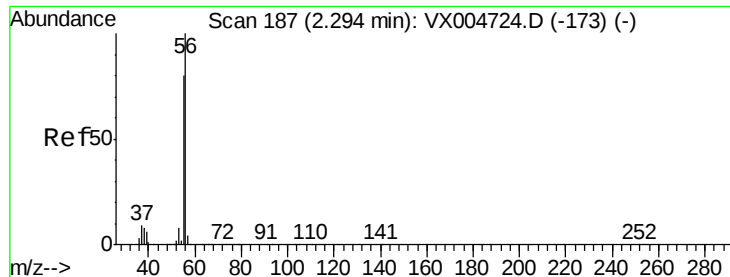


#12

1,1-Dichloroethene
Concen: 49.939 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.5	130.2	195.4
98	59.8	53.4	80.0





#13

Acrolein

Concen: 59.676 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion: 56 Resp: 36492

Ion Ratio Lower Upper

56 100

55 72.4

63.4

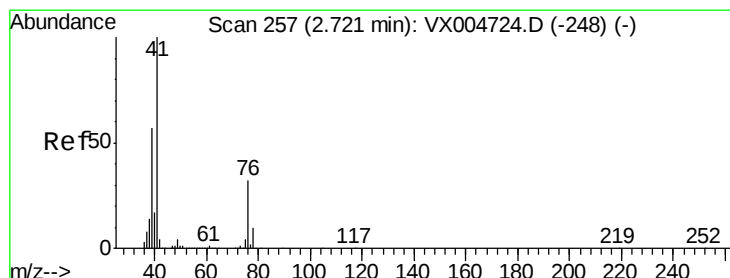
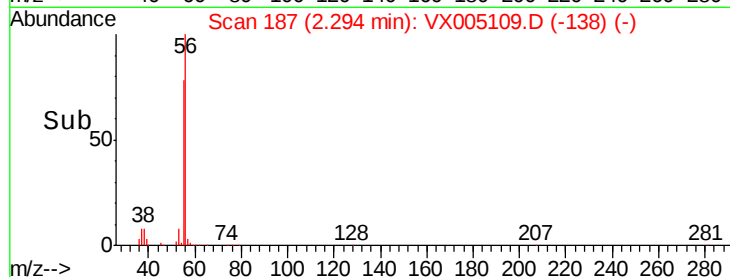
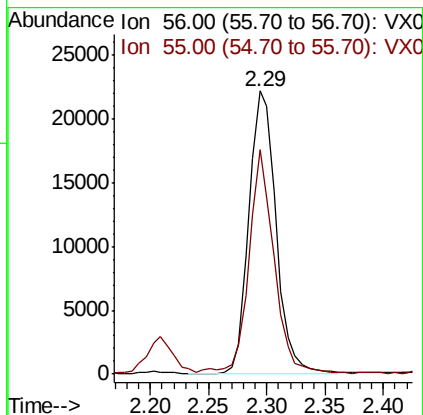
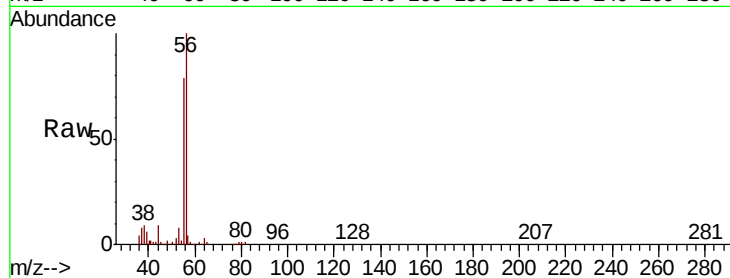
95.2

Manual Integrations

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#14

Allyl chloride

Concen: 49.861 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion: 41 Resp: 253652

Ion Ratio Lower Upper

41 100

39 55.9

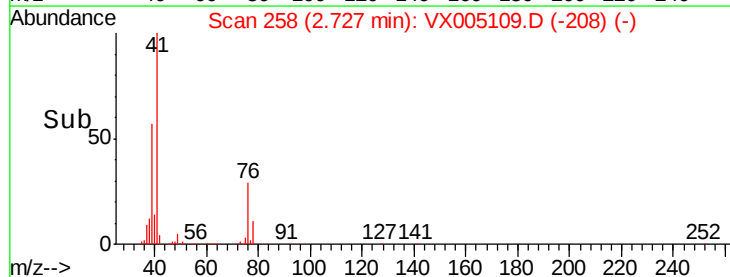
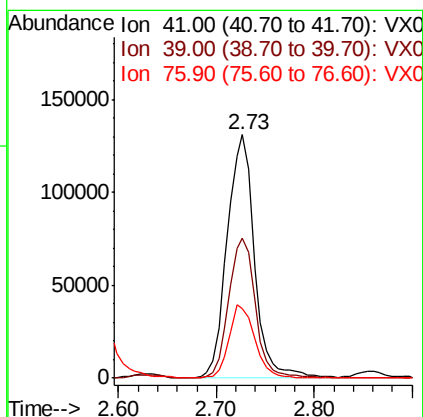
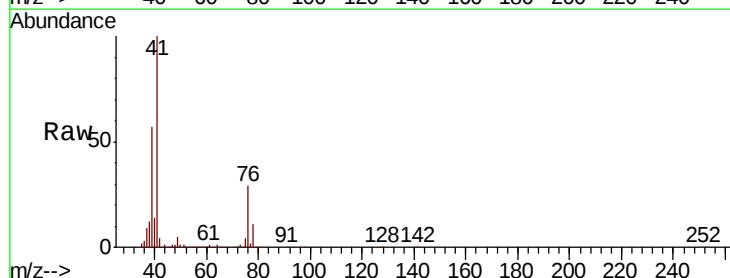
76 28.6

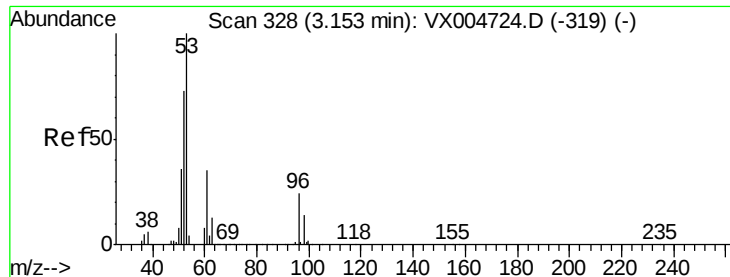
44.1

25.0

66.1

37.4





#15

Acrylonitrile

Concen: 259.025 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

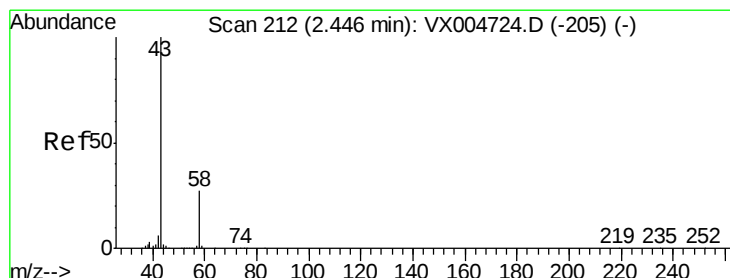
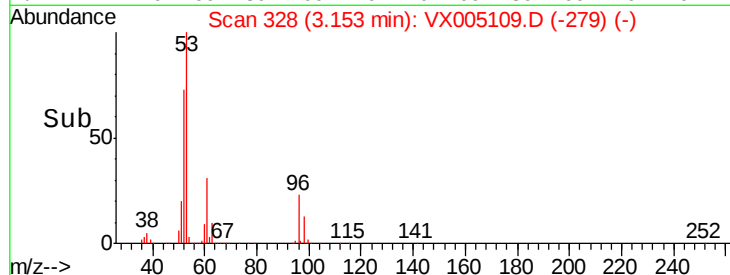
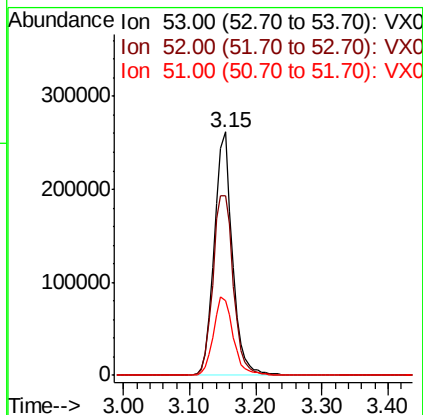
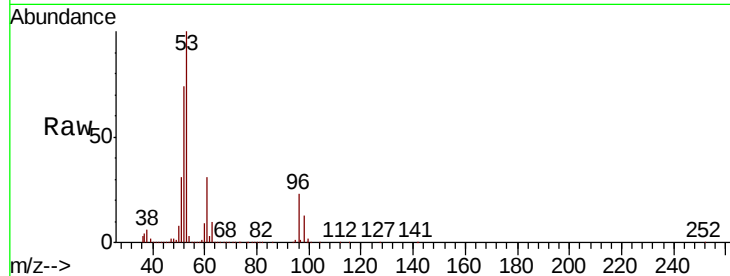
ClientSampleId :

FA18-EX3MSD

Tot Ion:	53	Resp:	490077
Ion Ratio		Lower	Upper
53	100		
52	83.5	63.0	94.4
51	35.3	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 261.089 ug/l

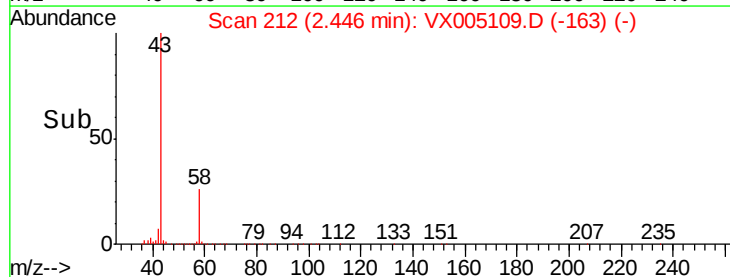
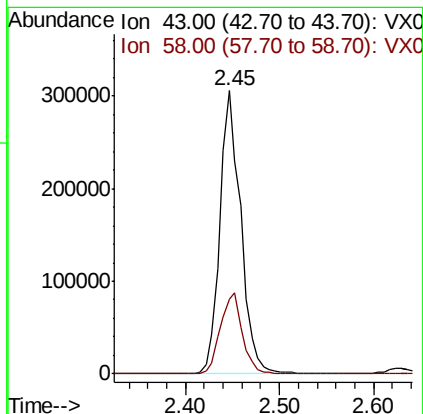
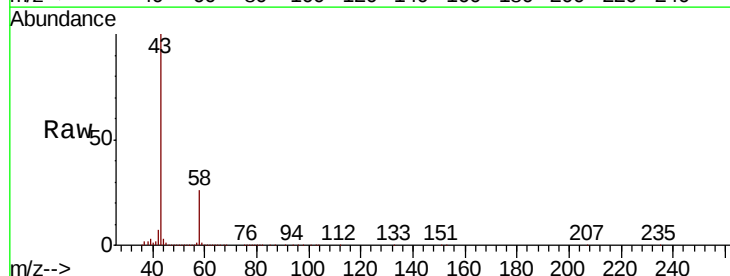
RT: 2.45 min Scan# 212

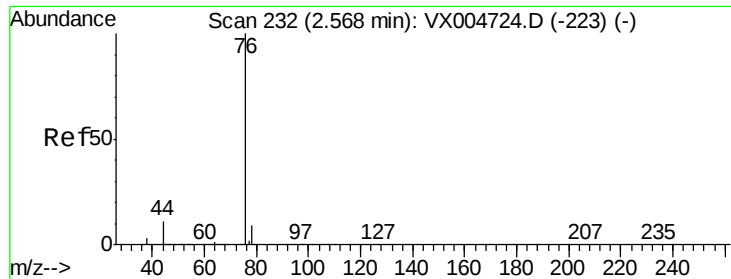
Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion:	43	Resp:	468536
Ion Ratio		Lower	Upper
43	100		
58	26.4	21.8	32.6





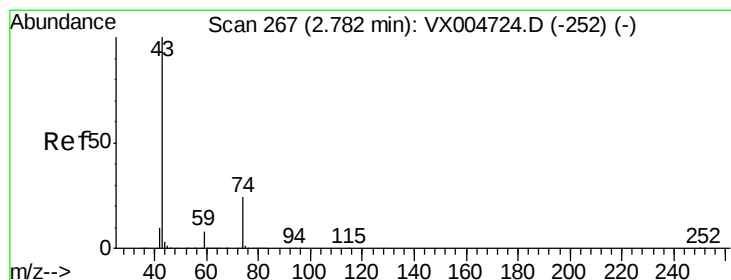
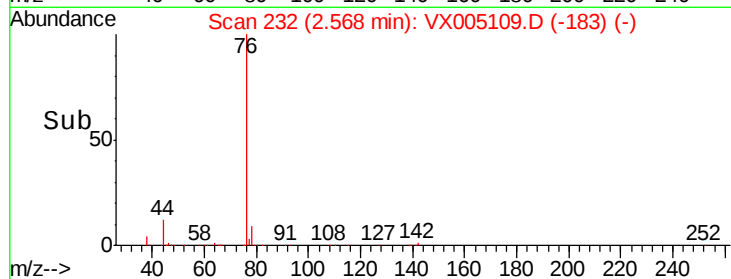
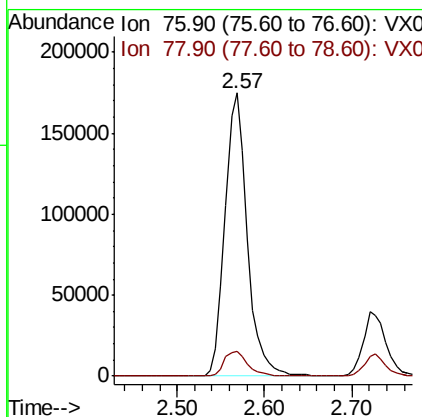
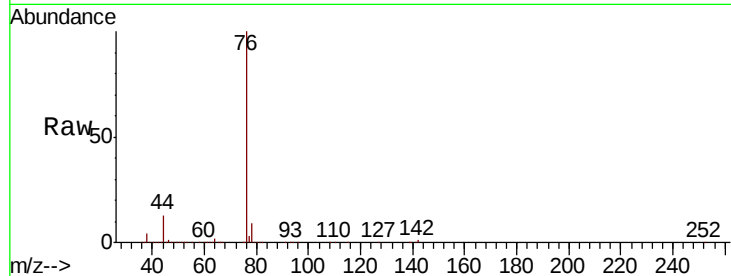
#17
Carbon Disulfide
Concen: 44.216 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

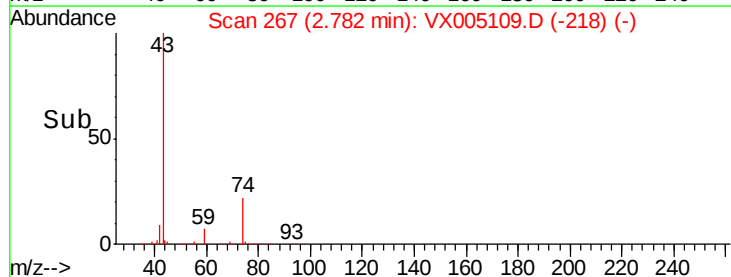
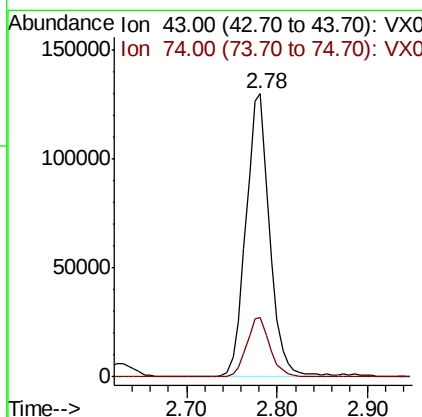
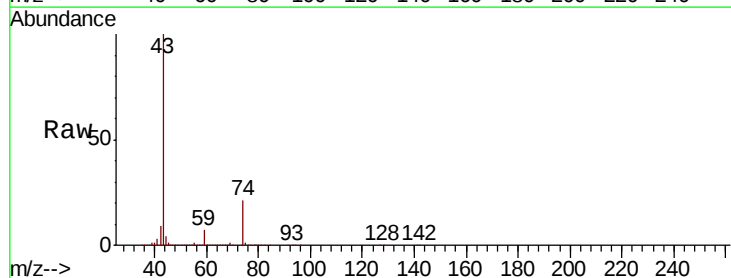
Manual Integrations
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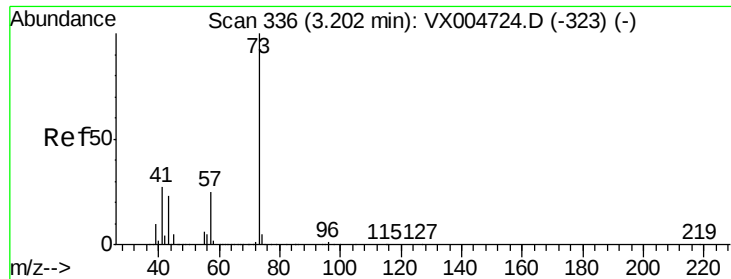
MMDadoda
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#18
Methyl Acetate
Concen: 51.630 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.8	26.8





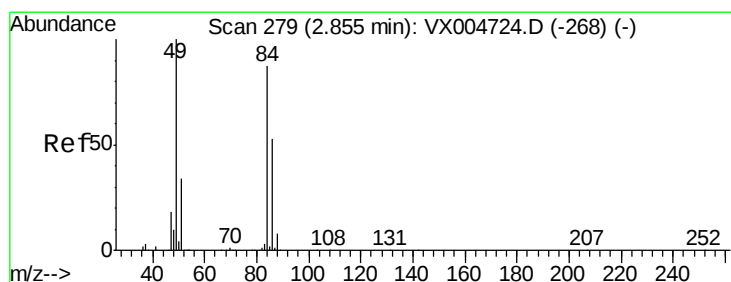
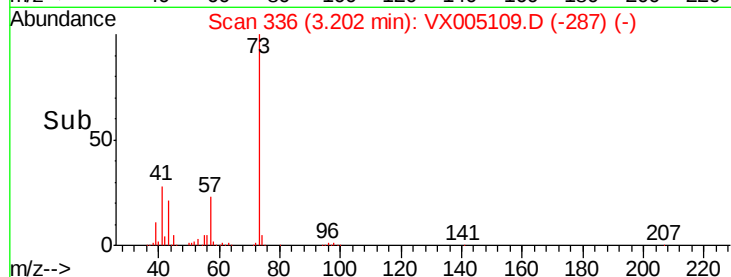
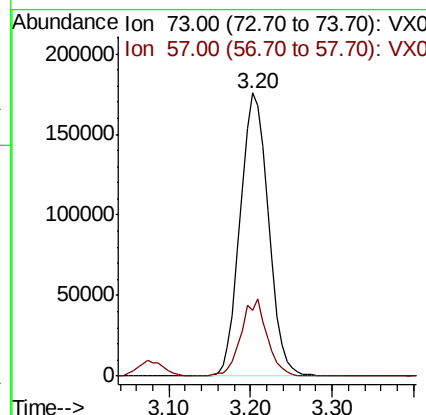
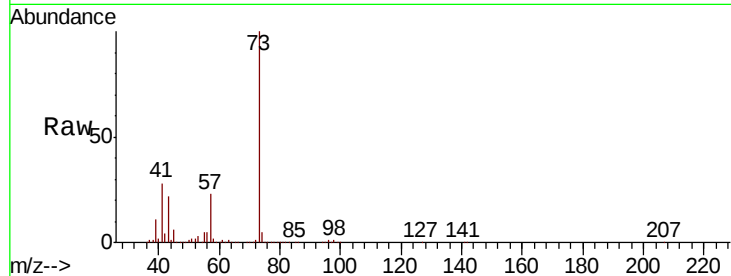
#19
Methvl tert-butvl Ether
Concen: 52.416 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.9	29.9

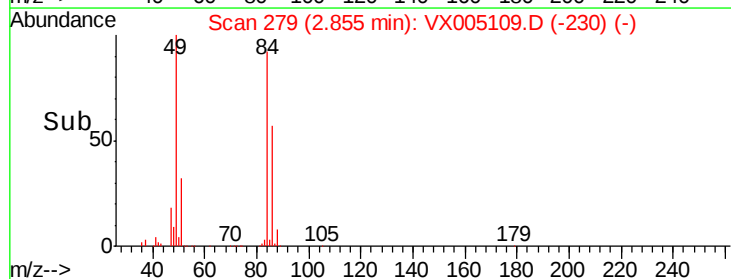
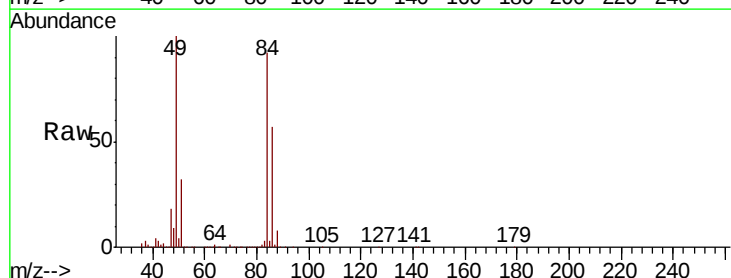
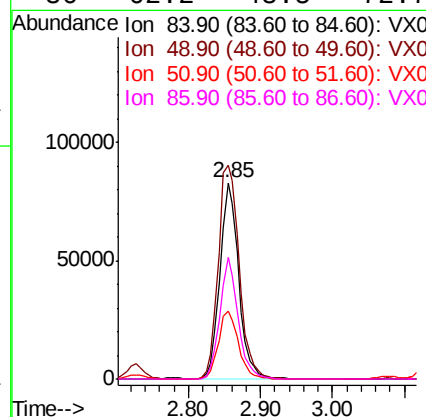
Manual Integrations
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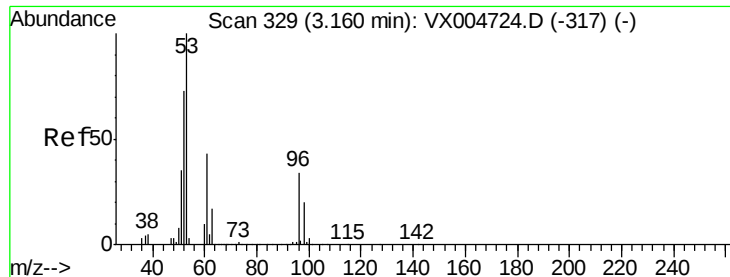
MMDadoda
10/8/2018 2:02:44 PM



#20
Methylene Chloride
Concen: 57.325 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.7	92.3	138.5
51	34.3	31.8	47.6
86	62.2	48.5	72.7





#21

trans-1,2-Dichloroethene

Concen: 49.780 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

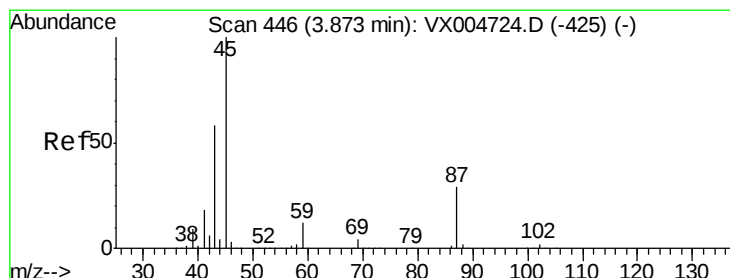
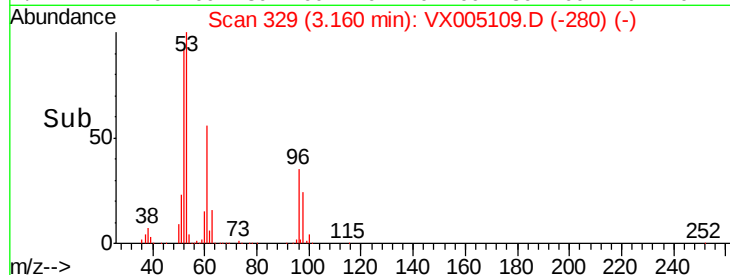
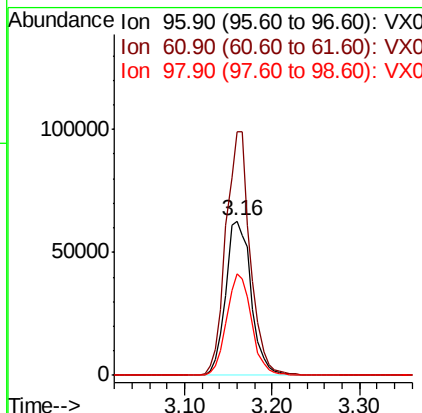
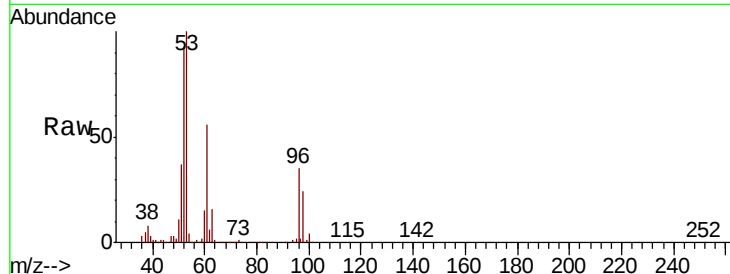
ClientSampleId :

FA18-EX3MSD

Tot Ion:	96	Resp:	127051
Ion	Ratio	Lower	Upper
96	100		
61	157.9	101.0	151.6#
98	66.2	47.2	70.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.593 ug/l

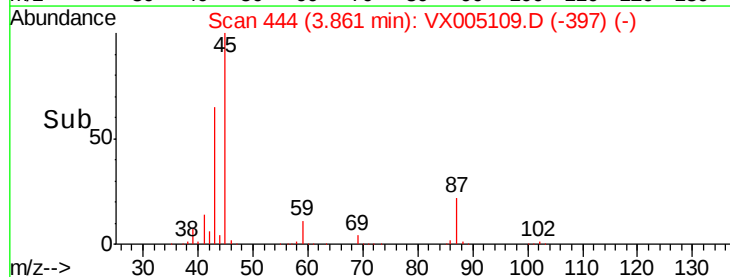
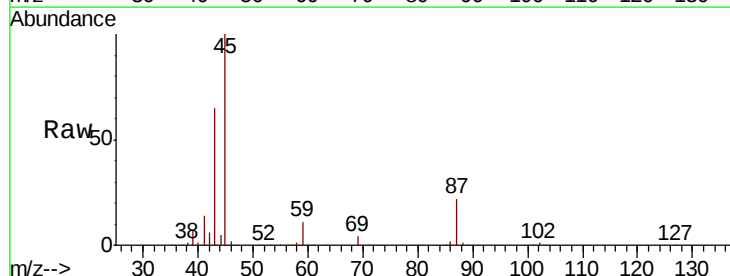
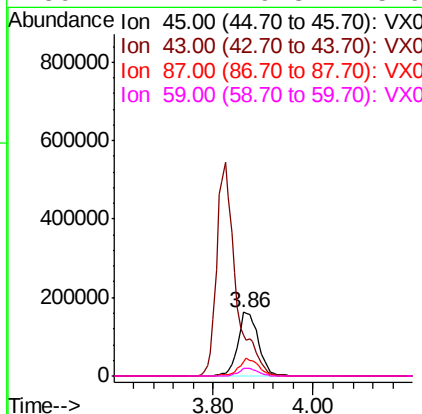
RT: 3.86 min Scan# 444

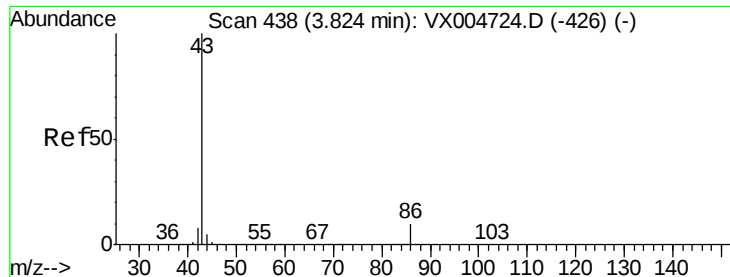
Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion:	45	Resp:	467665
Ion	Ratio	Lower	Upper
45	100		
43	65.0	46.7	70.1
87	22.3	22.9	34.3#
59	11.2	9.3	13.9





#23

Vinyl Acetate

Concen: 185.305 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion: 43 Resp: 1453028

Ion Ratio Lower Upper

43 100

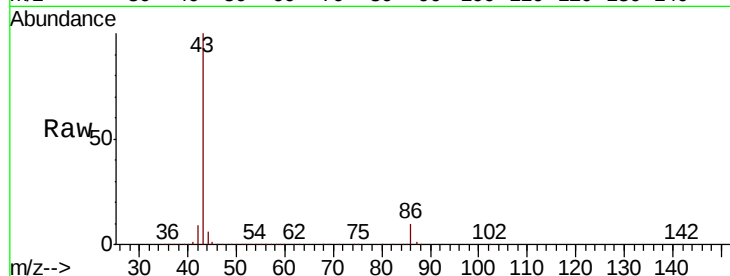
86 9.7 8.1 12.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

600000

500000

400000

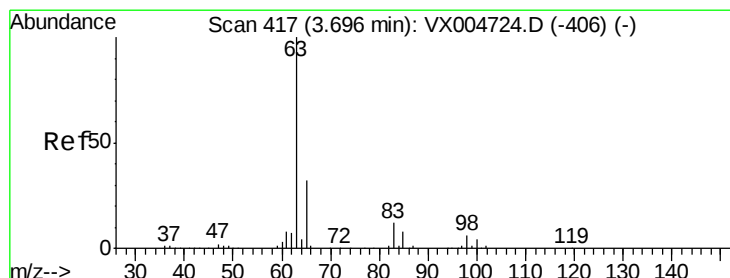
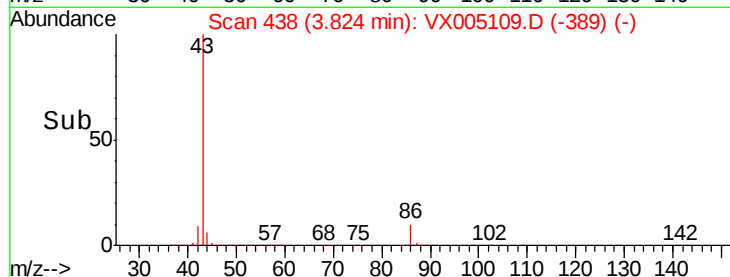
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.792 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

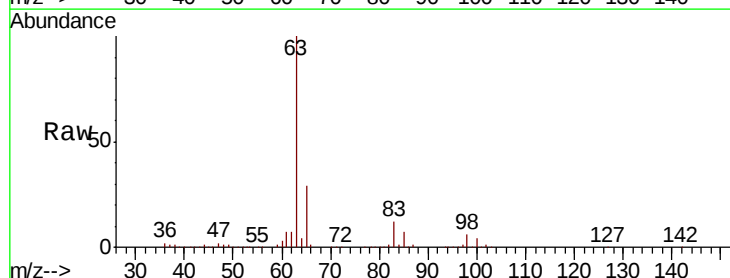
Tgt Ion: 63 Resp: 269765

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.7 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

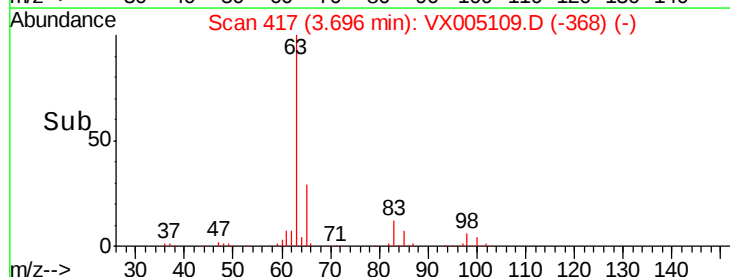
150000

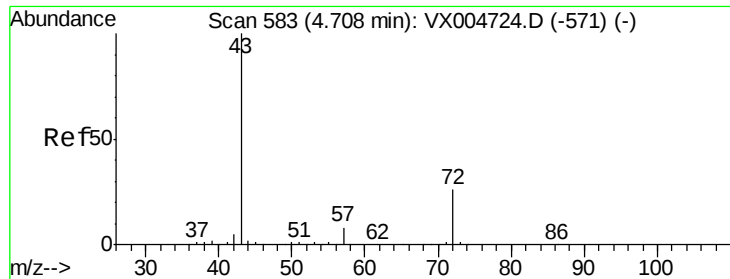
100000

50000

0

Time-->





#25

2-Butanone

Concen: 265.921 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion: 43 Resp: 703420

Ion Ratio Lower Upper

43 100

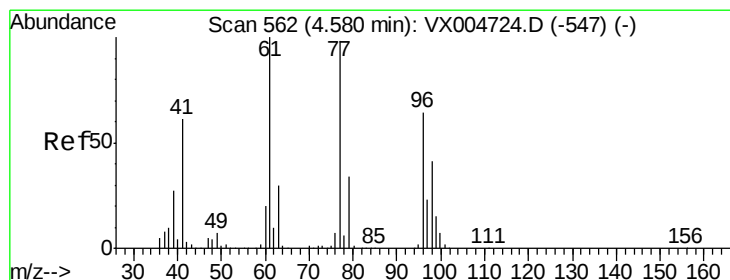
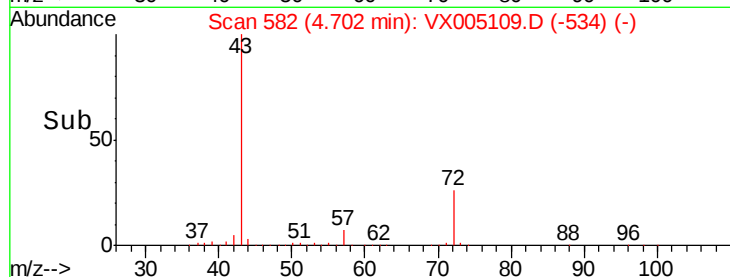
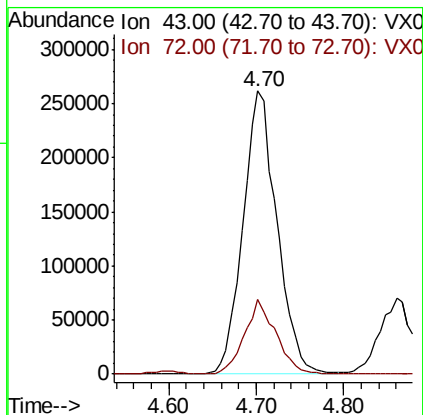
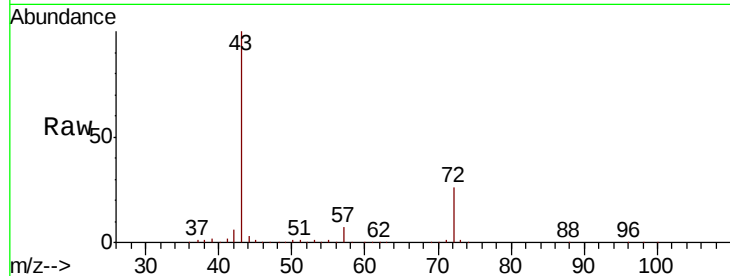
72 26.2 20.8 31.2

Manual Integrations

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MMDadoda

10/8/2018 2:02:44 PM



#26

2,2-Dichloropropane

Concen: 27.490 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005109.D

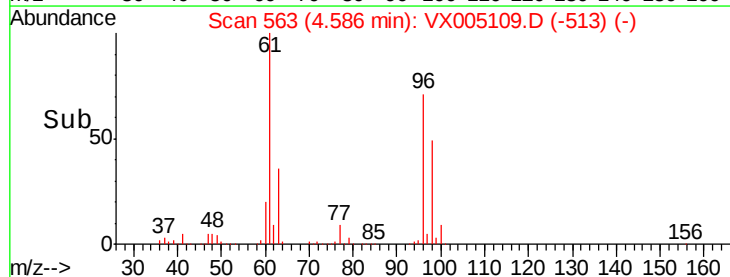
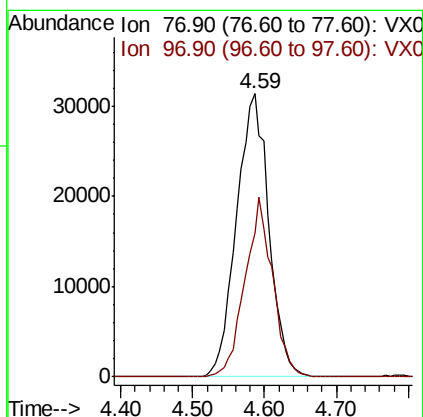
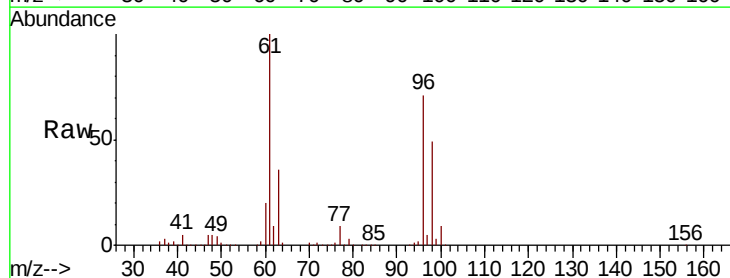
Acq: 06 Oct 2018 11:19

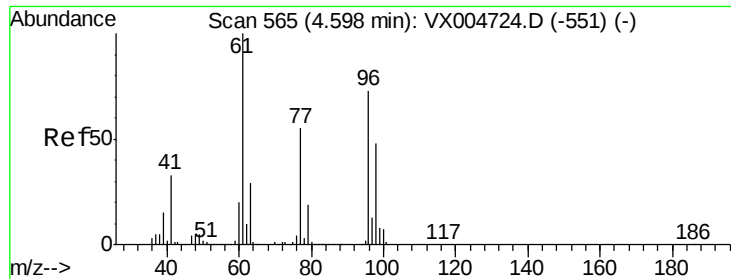
Tgt Ion: 77 Resp: 97817

Ion Ratio Lower Upper

77 100

97 54.1 12.6 37.8#





#27

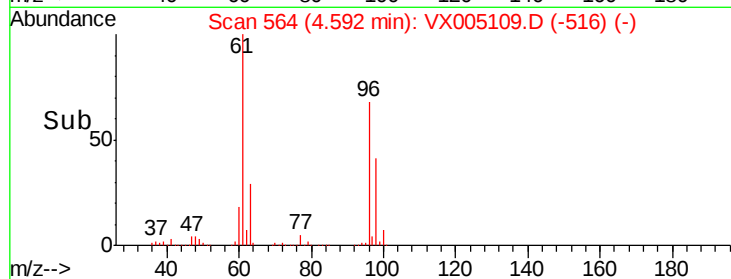
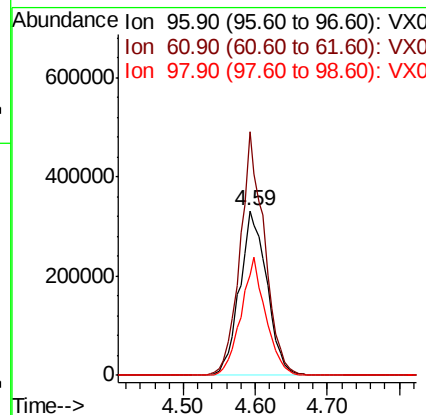
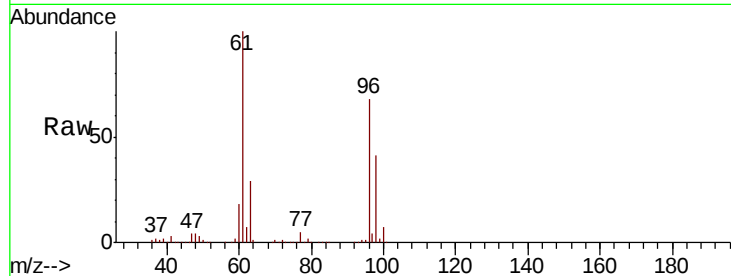
cis-1,2-Dichloroethene
 Concen: 304.347 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.1	0.0	285.8	
98	65.2	0.0	136.2	

Manual Integrations
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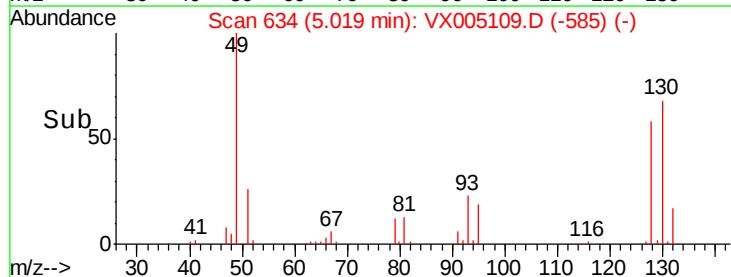
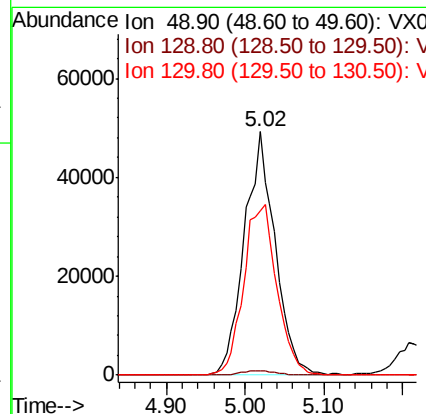
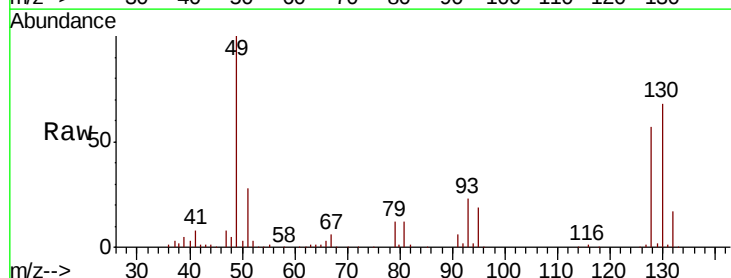
MMDadoda
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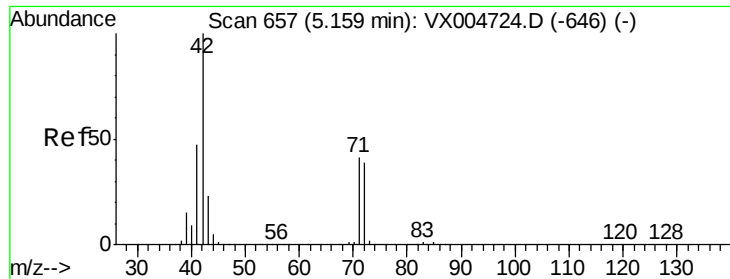


#28

Bromochloromethane
 Concen: 55.609 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.2	
130	75.6	62.0	93.0	





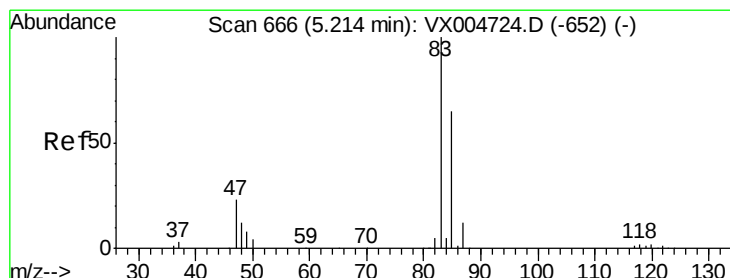
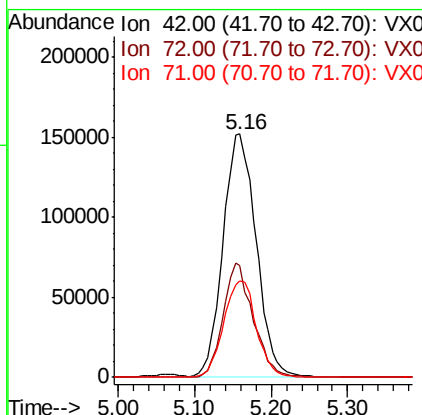
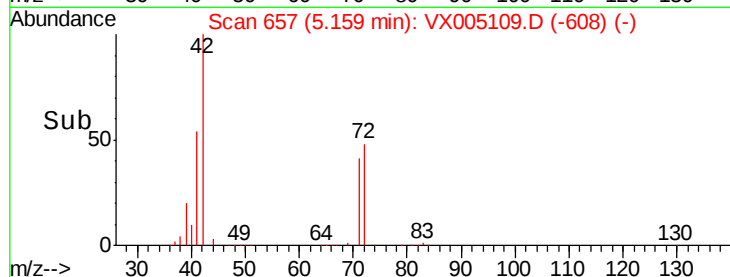
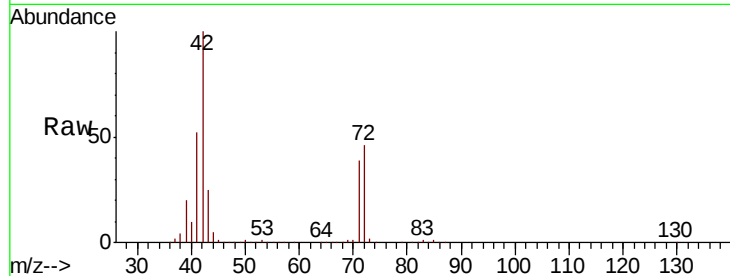
#29
Tetrahydrofuran
Concen: 277.080 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.7	50.5
71	39.3	32.2	48.4

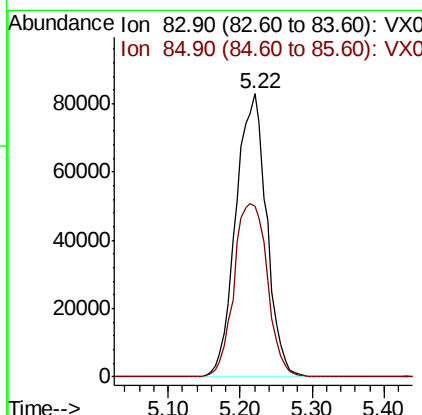
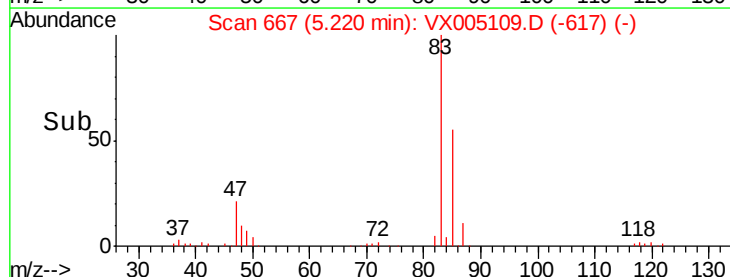
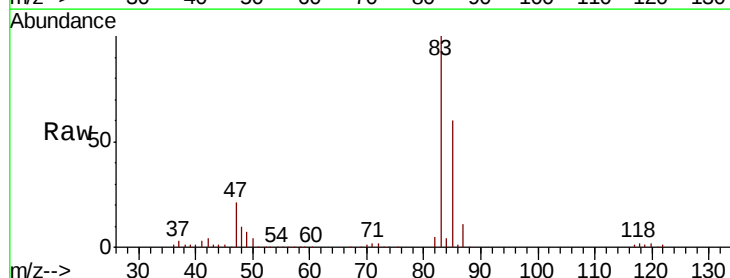
Manual Integrations
APPROVED

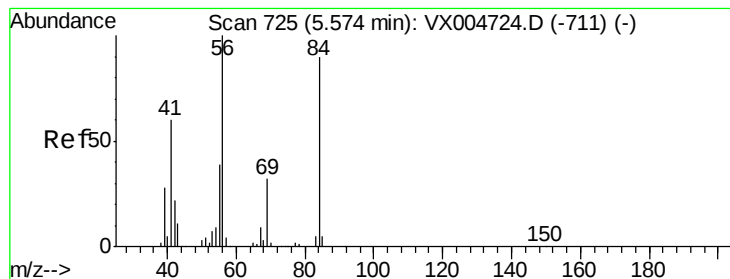
MMDadoda
10/8/2018 2:02:44 PM



#30
Chloroform
Concen: 50.995 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	52.4	78.6





#31

Cyclohexane

Concen: 50.269 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

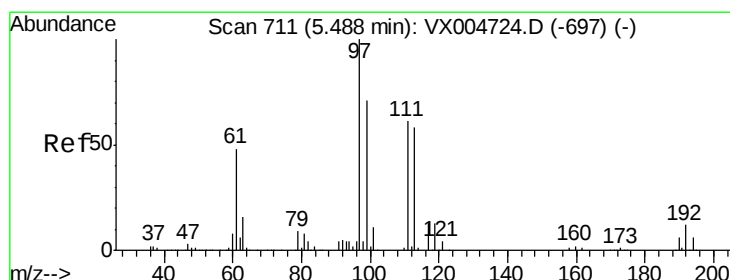
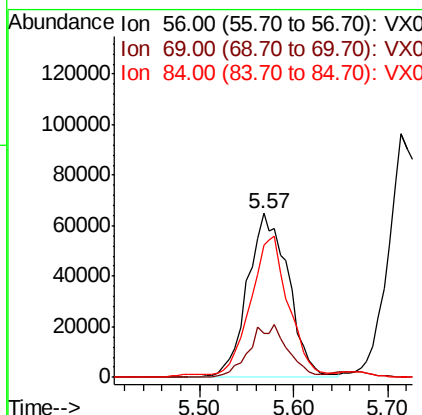
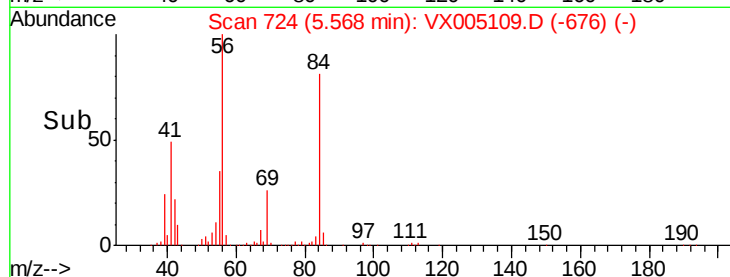
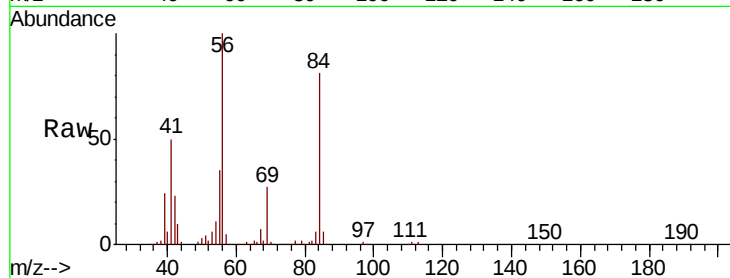
ClientSampleId :

FA18-EX3MSD

Tot Ion:	56	Resp:	196603
Ion	Ratio	Lower	Upper
56	100		
69	26.5	25.9	38.9
84	79.5	71.9	107.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.452 ug/l

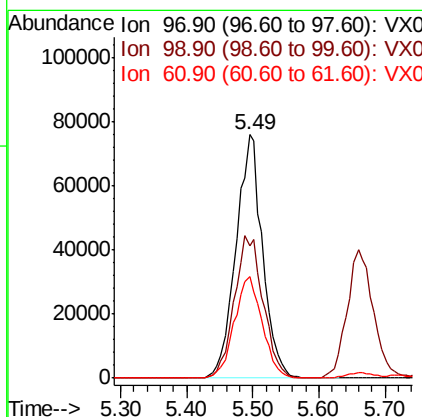
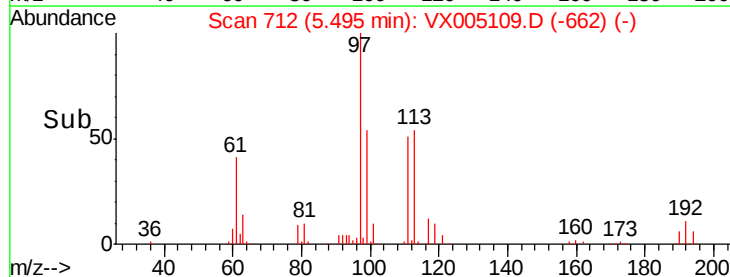
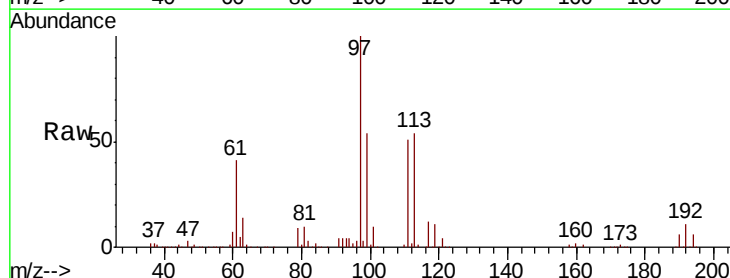
RT: 5.49 min Scan# 712

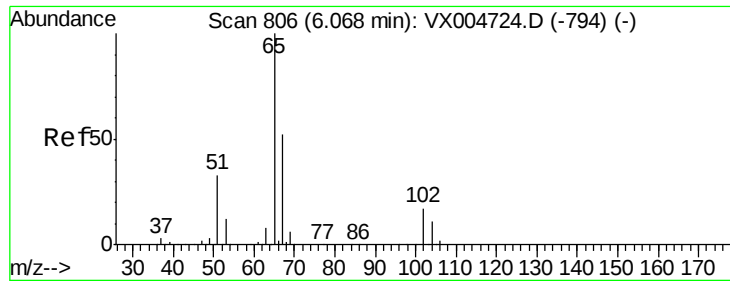
Delta R.T. 0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion:	97	Resp:	210819
Ion	Ratio	Lower	Upper
97	100		
99	63.3	54.6	82.0
61	43.8	37.5	56.3





#33

1,2-Dichloroethane-d4

Concen: 49.741 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion: 65 Resp: 152895

Ion Ratio Lower Upper

65 100

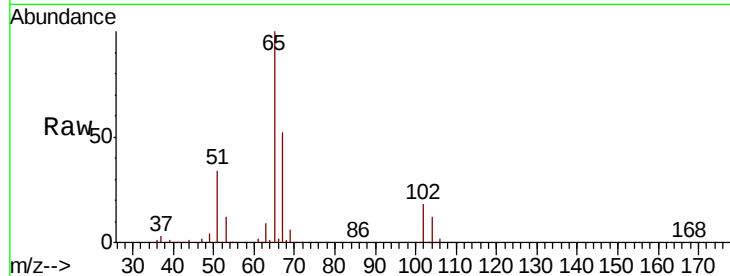
67 55.1 0.0 107.4

Manual Integrations

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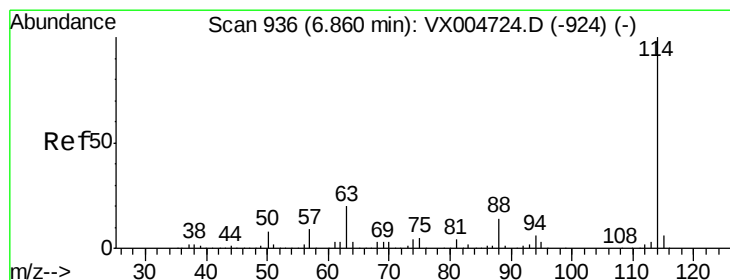
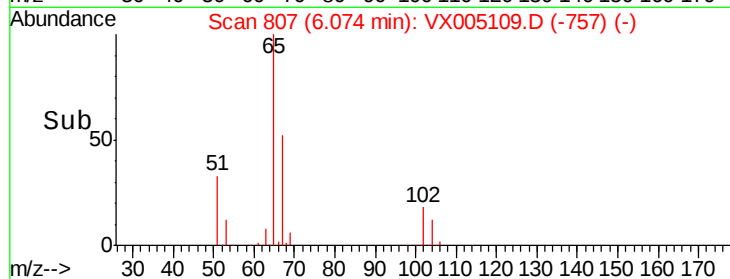
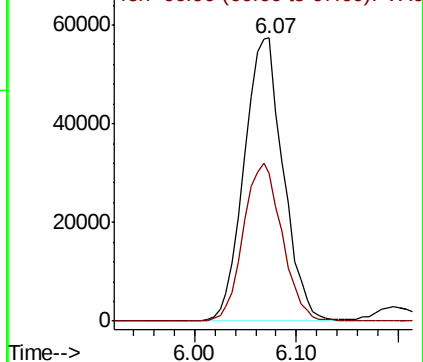
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

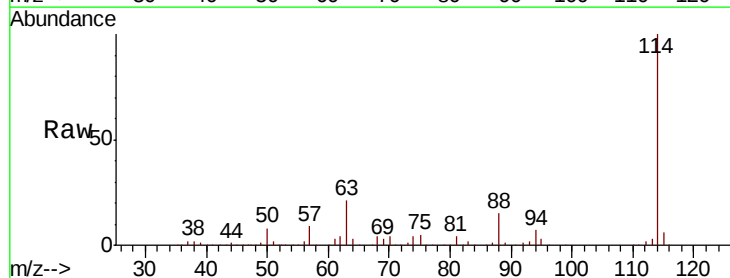
Tgt Ion: 114 Resp: 314129

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.8

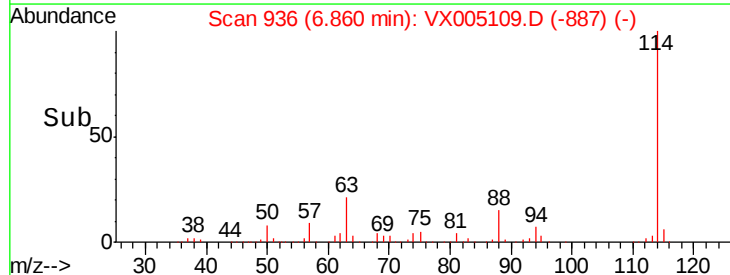
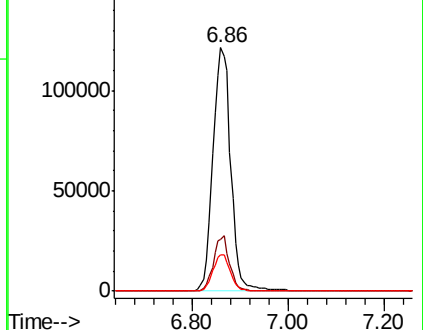
88 15.0 0.0 27.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





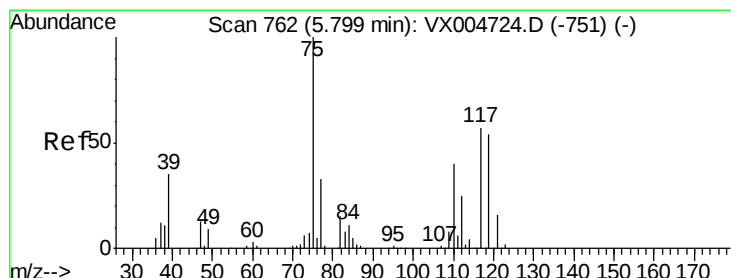
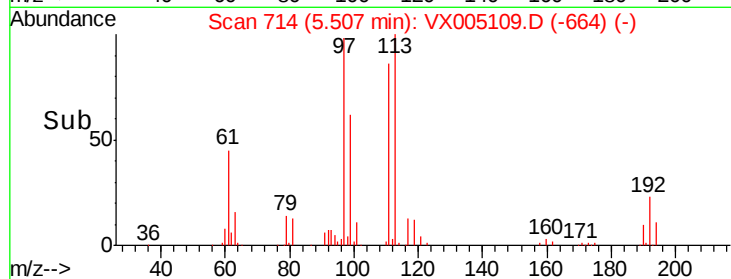
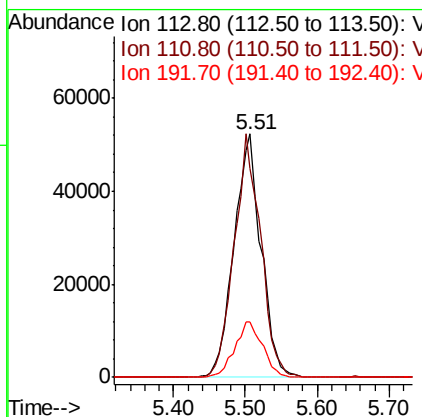
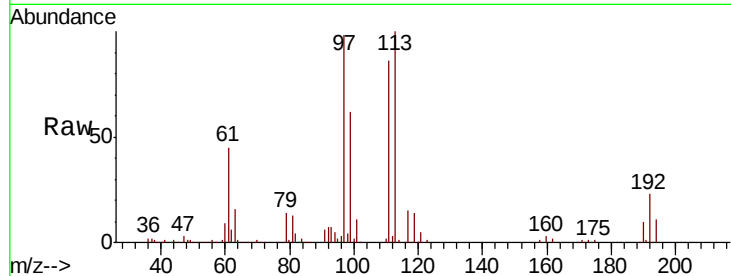
#35
Dibromofluoromethane
Concen: 51.400 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.8	77.0	115.4
192	23.4	17.0	25.6

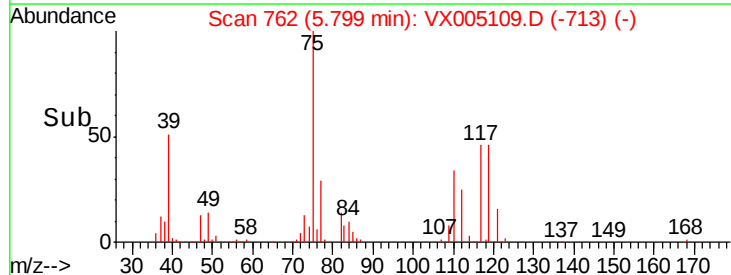
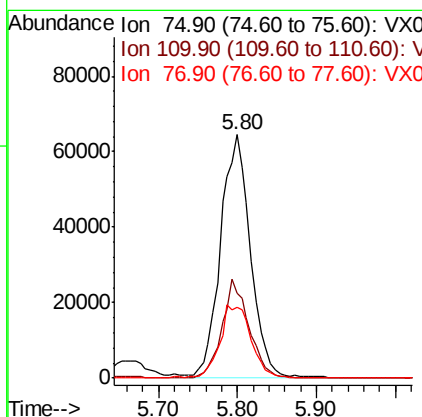
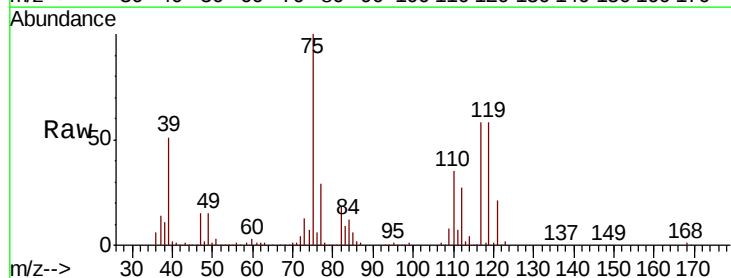
Manual Integrations
APPROVED

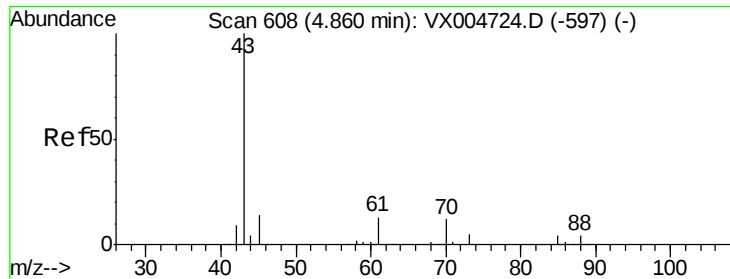
MMDadoda
10/8/2018 2:02:44 PM



#36
1,1-Dichloropropene
Concen: 46.518 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	20.0	59.9
77	31.0	27.1	40.7





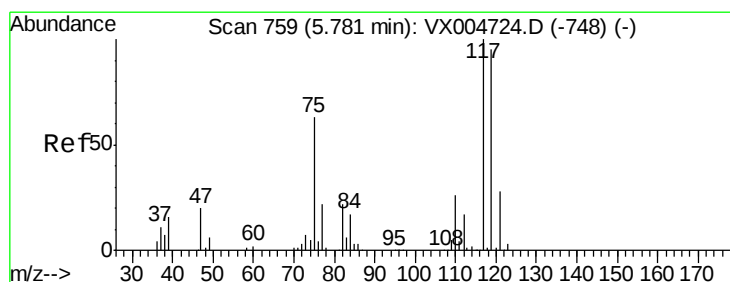
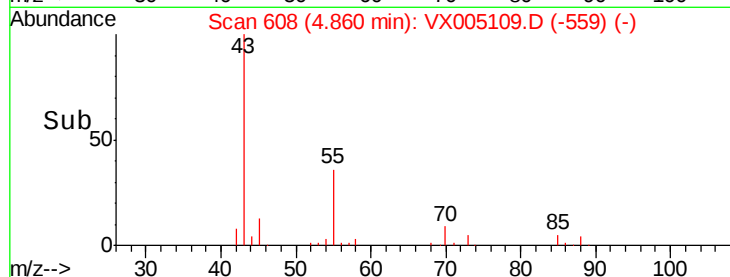
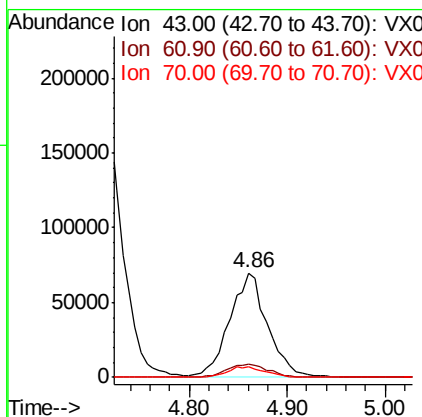
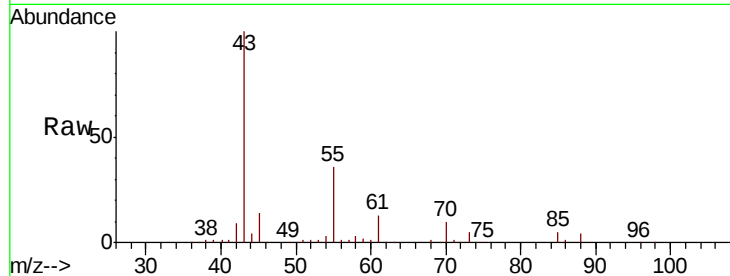
#37
Ethyl Acetate
Concen: 38.282 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	10.5	8.7	13.1

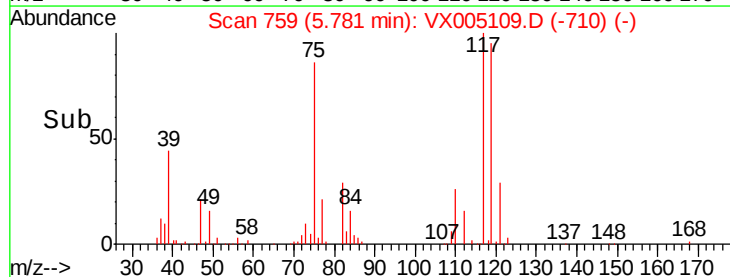
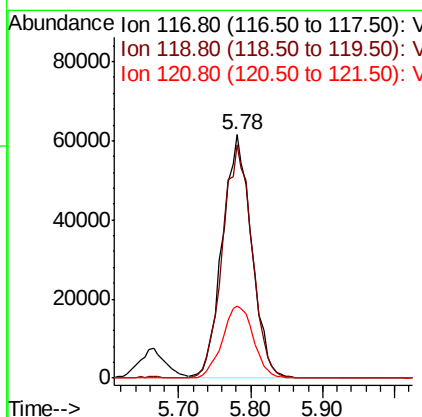
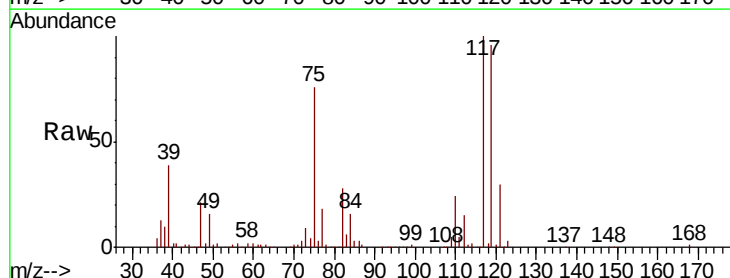
Manual Integrations
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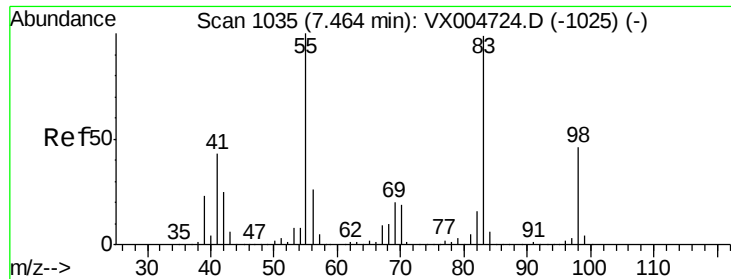
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#38
Carbon Tetrachloride
Concen: 45.517 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.2	112.8
121	29.7	22.5	33.7





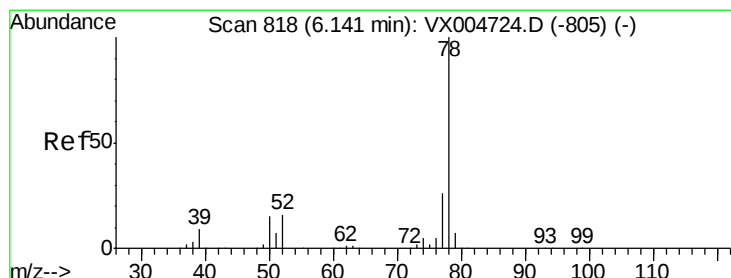
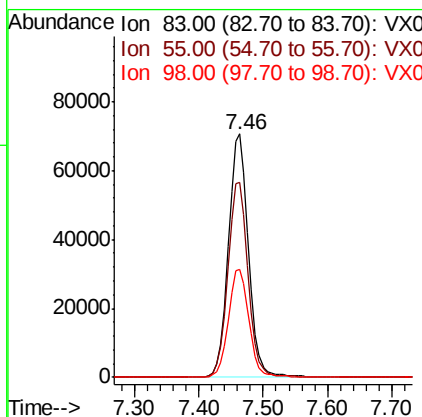
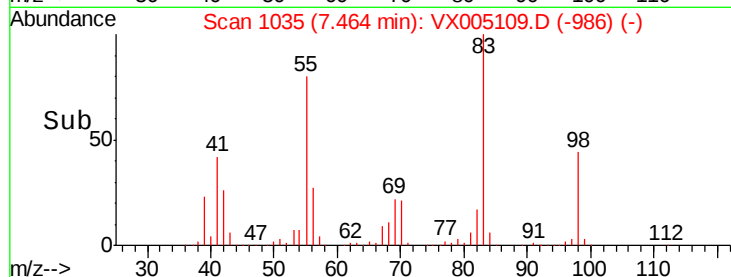
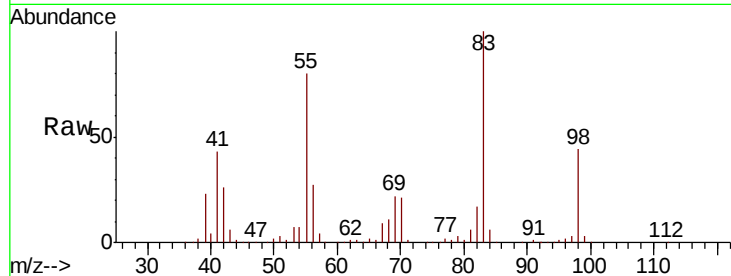
#39
Methylvlcyclohexane
Concen: 41.834 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	155164		
55	80.1	81.1	121.7#	
98	44.5	37.3	55.9	

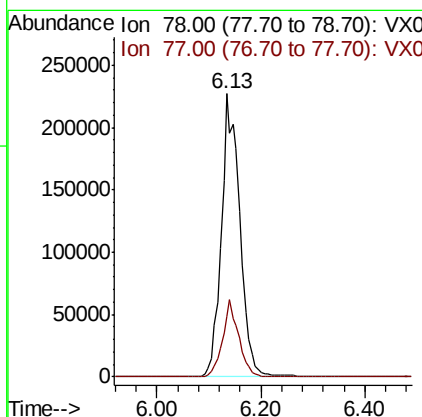
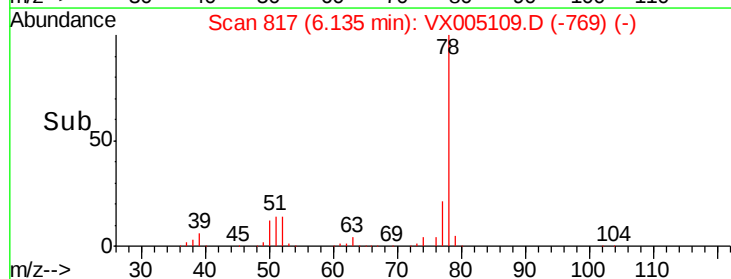
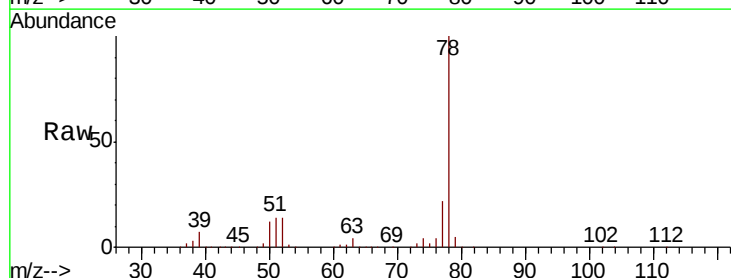
Manual Integrations
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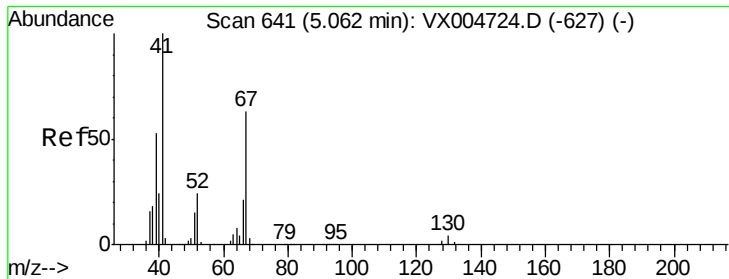
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#40
Benzene
Concen: 50.093 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	569647		
77	21.5	21.0	31.4	





#41

Methacrylonitrile

Concen: 52.087 ug/l

RT: 5.06 min Scan# 640

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

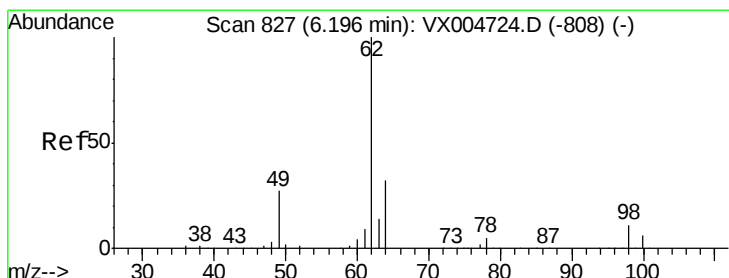
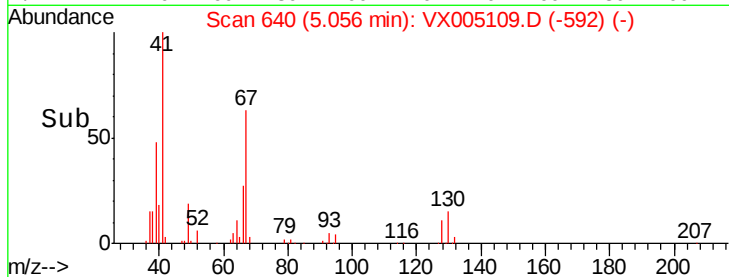
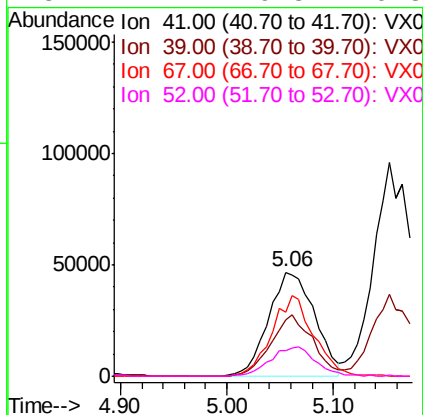
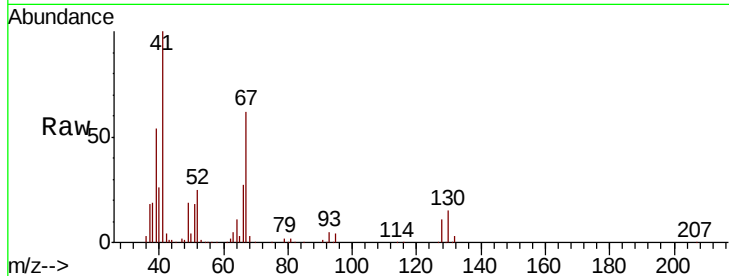
ClientSampleId :

FA18-EX3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		139278		
39	53.6	42.5	63.7		
67	70.9	53.0	79.6		
52	27.7	19.8	29.8		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.670 ug/l

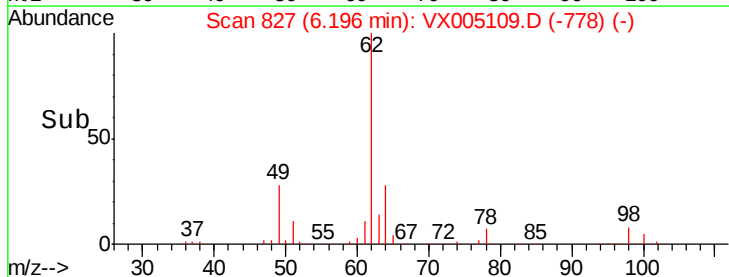
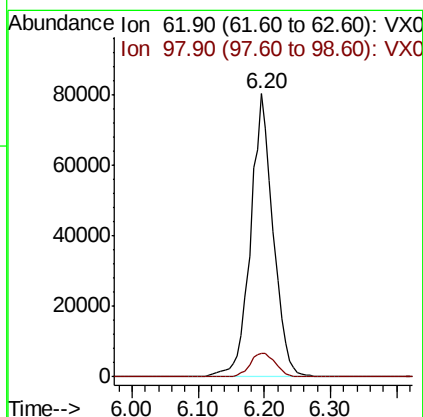
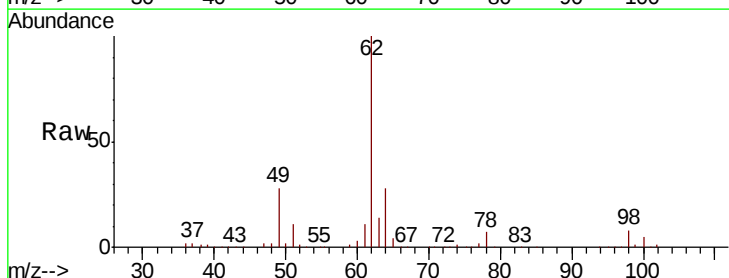
RT: 6.20 min Scan# 827

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		191636		
98	9.4	0.0	20.2		





#43

Isopropyl Acetate

Concen: 43.261 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

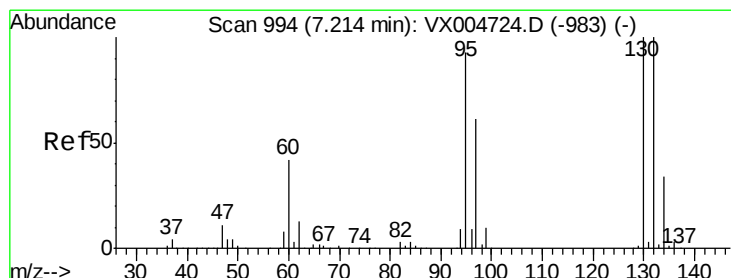
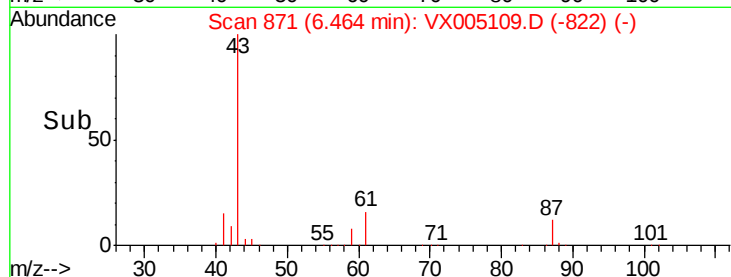
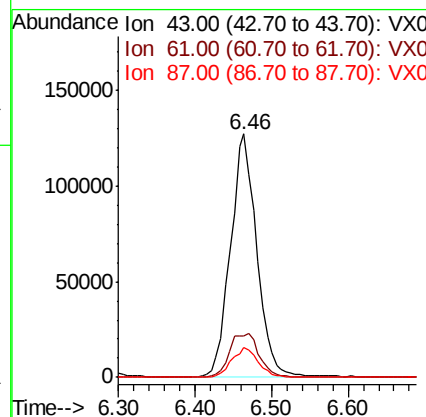
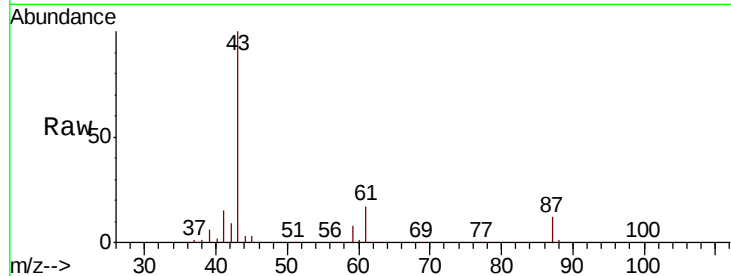
ClientSampleId :

FA18-EX3MSD

Tot Ion:	43	Resp:	301062
Ion	Ratio	Lower	Upper
43	100		
61	20.4	14.2	21.4
87	12.3	9.3	13.9

Manual Integrations
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#44

Trichloroethene

Concen: 49.633 ug/l

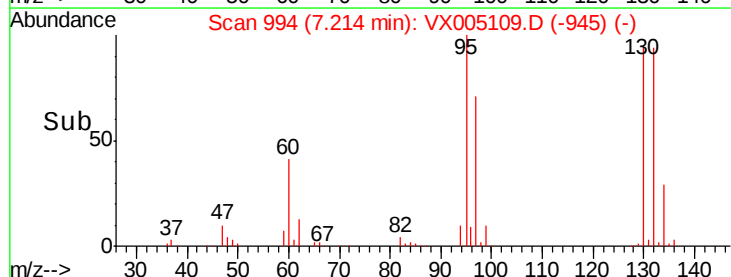
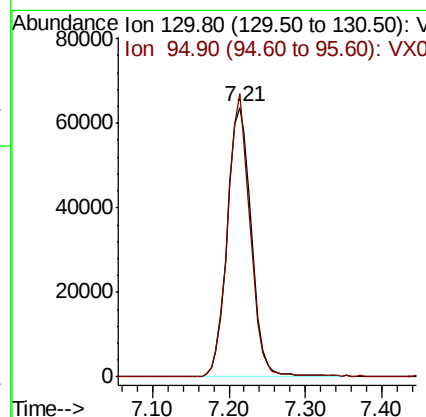
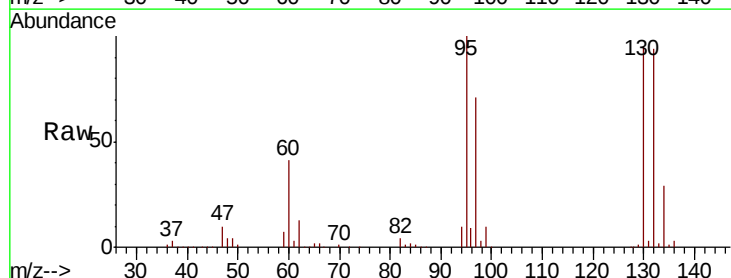
RT: 7.21 min Scan# 994

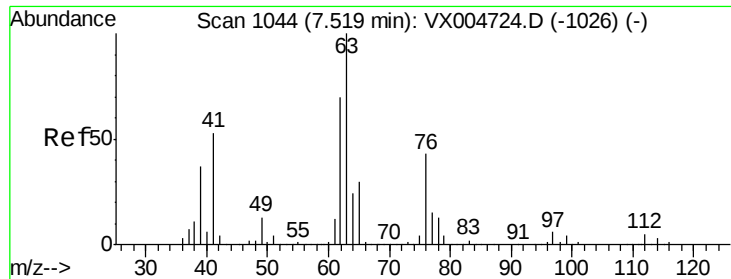
Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion:	130	Resp:	138751
Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	186.8





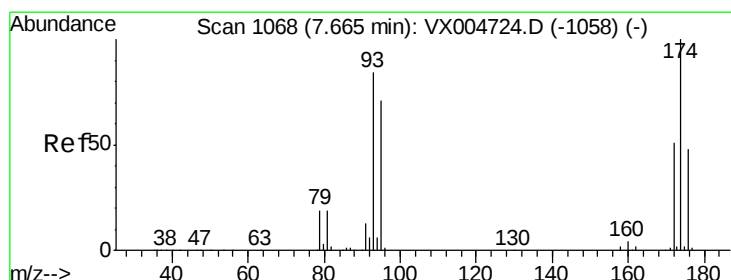
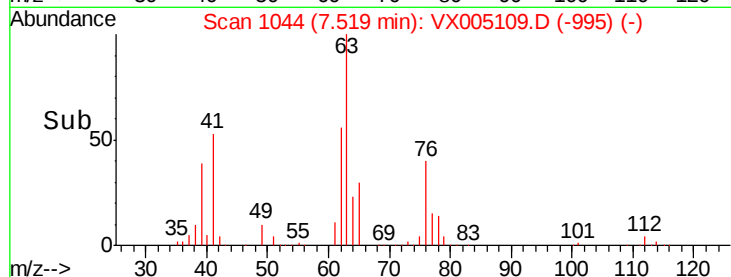
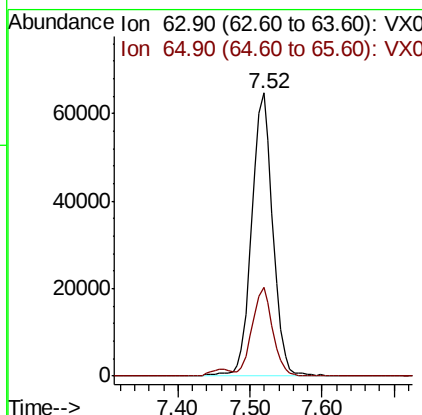
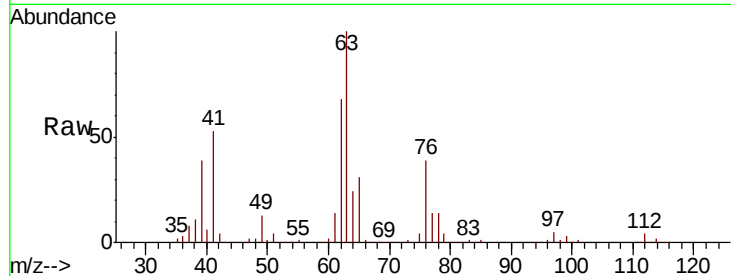
#45
 1,2-Dichloropropane
 Concen: 47.615 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Tot Ion: 63 Resp: 132785
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.9 35.9

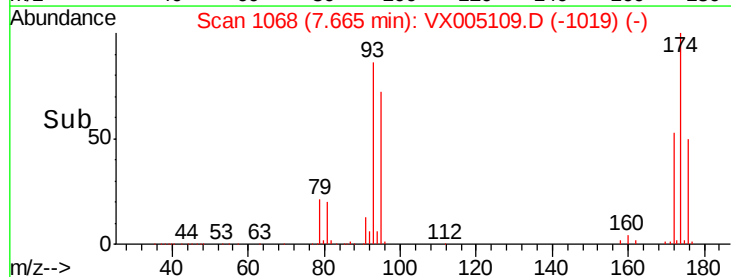
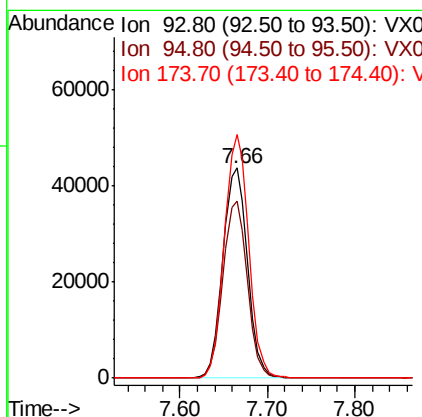
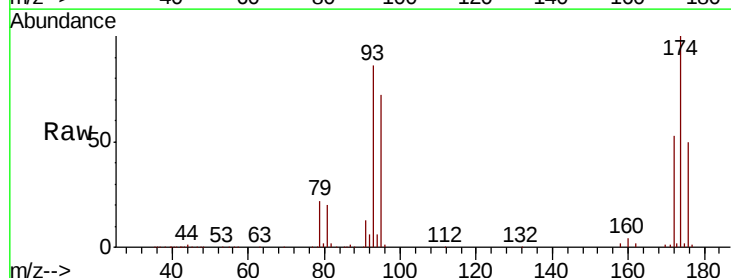
Manual Integrations
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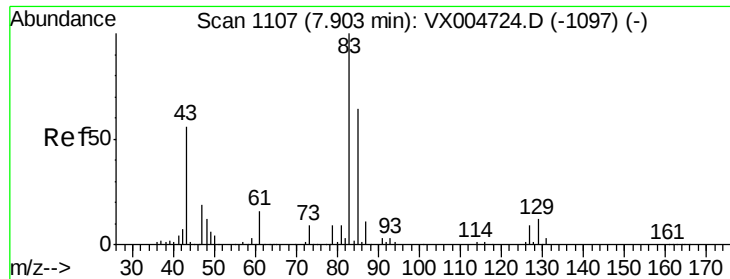
MMDadoda
 10/8/2018 2:02:44 PM



#46
 Dibromomethane
 Concen: 48.706 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion: 93 Resp: 85362
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.7 100.1
 174 114.4 92.7 139.1





#47

Bromodichloromethane

Concen: 51.004 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

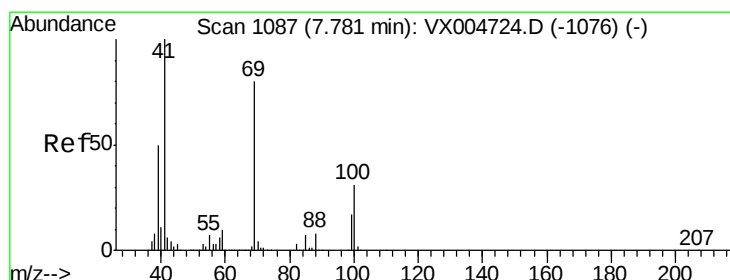
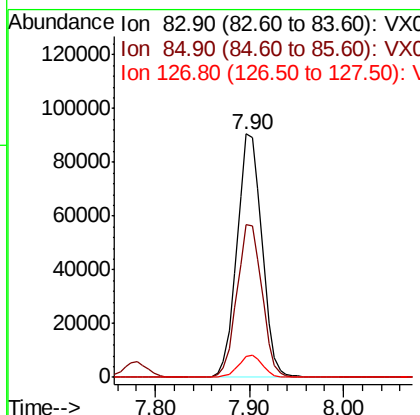
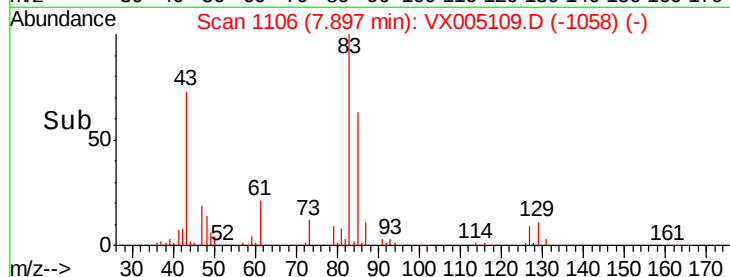
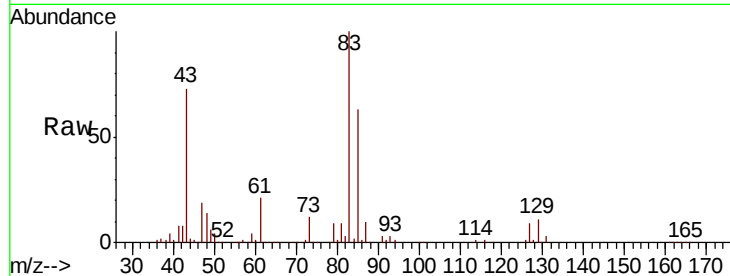
ClientSampleId :

FA18-EX3MSD

Tot Ion:	83	Resp:	167362
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.2	76.8
127	8.6	7.0	10.6

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#48

Methyl methacrylate

Concen: 53.146 ug/l

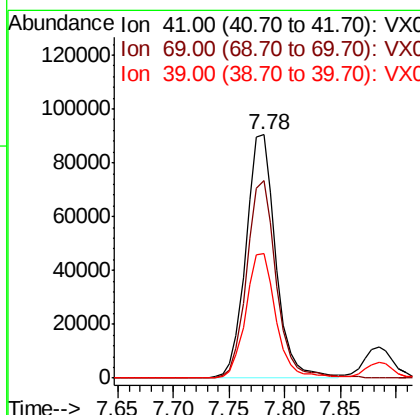
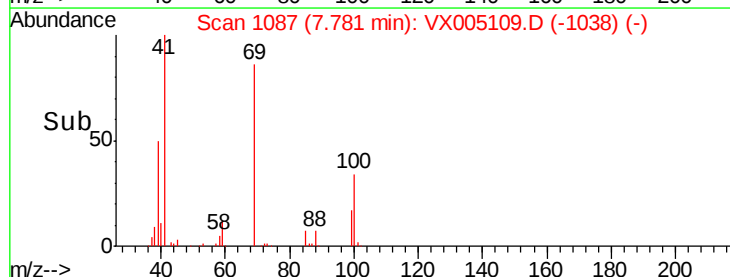
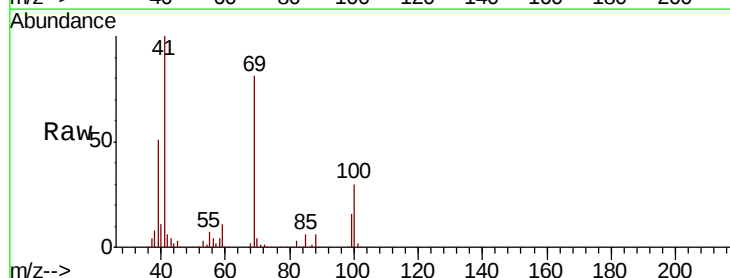
RT: 7.78 min Scan# 1087

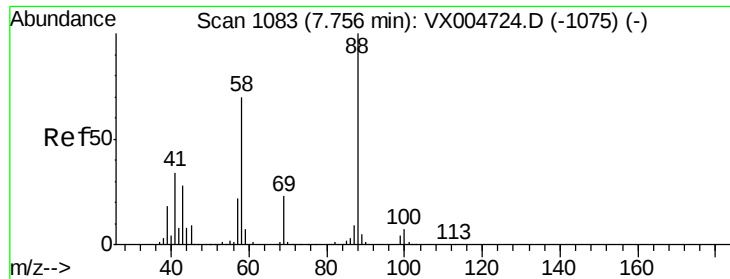
Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion:	41	Resp:	167873
Ion Ratio	Lower	Upper	
41	100		
69	81.5	63.8	95.6
39	51.6	40.7	61.1





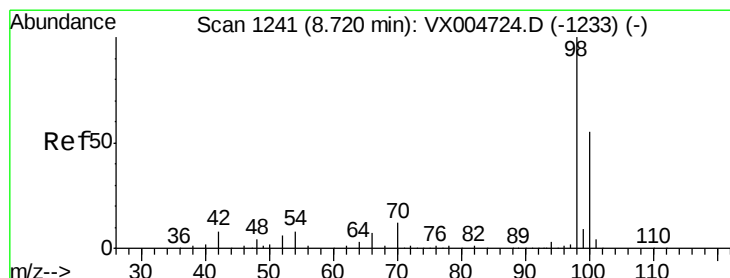
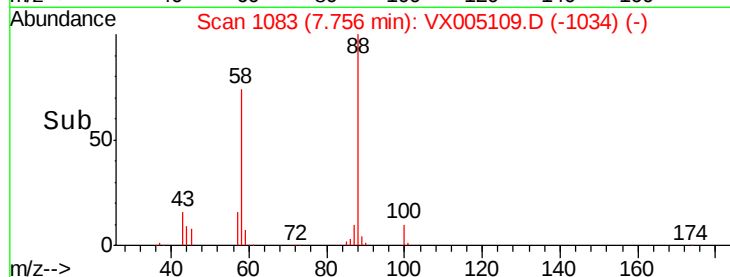
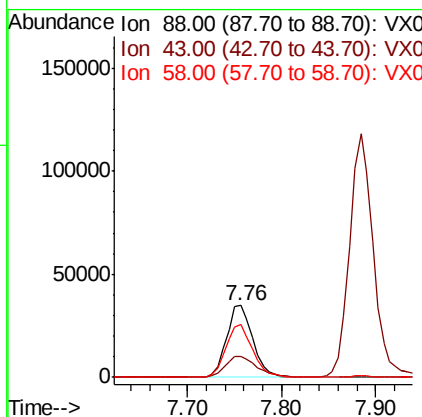
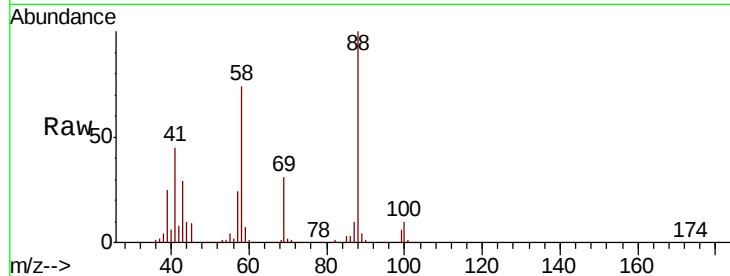
#49
1,4-Dioxane
Concen: 858.283 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	25.1	37.7
58	75.1	56.2	84.2

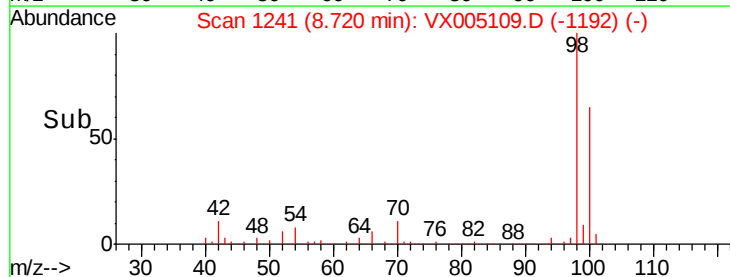
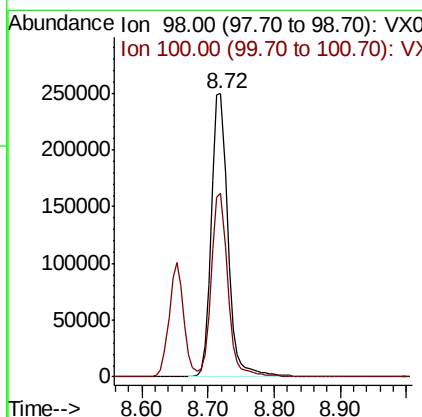
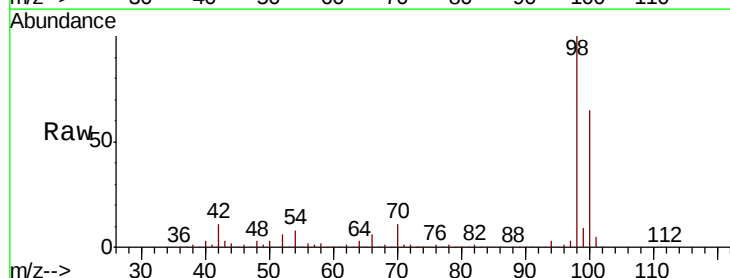
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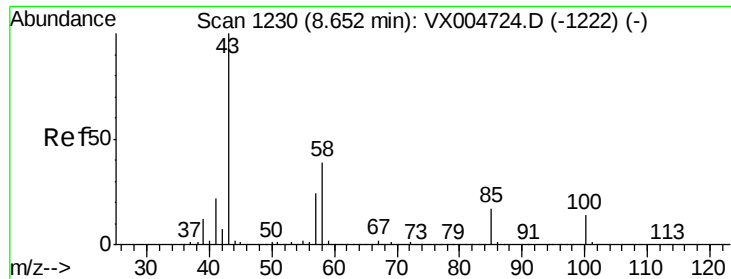
MMDadoda
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#50
Toluene-d8
Concen: 48.842 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





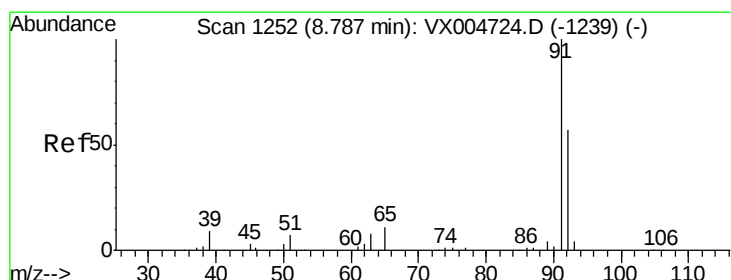
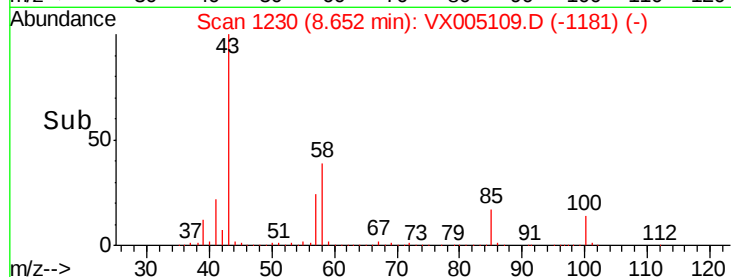
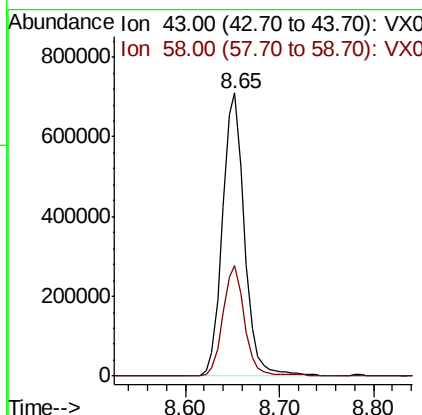
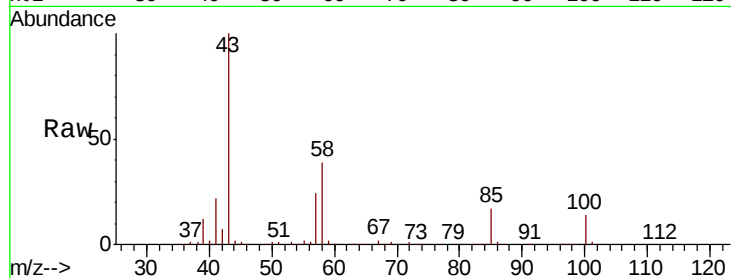
#51
4-Methyl-2-Pentanone
Concen: 261.565 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion: 43 Resp: 1146136
Ion Ratio Lower Upper
43 100
58 38.8 30.5 45.7

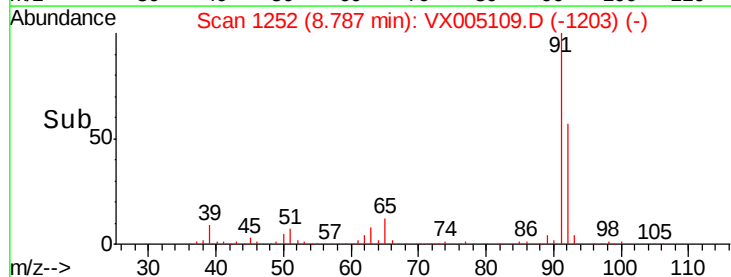
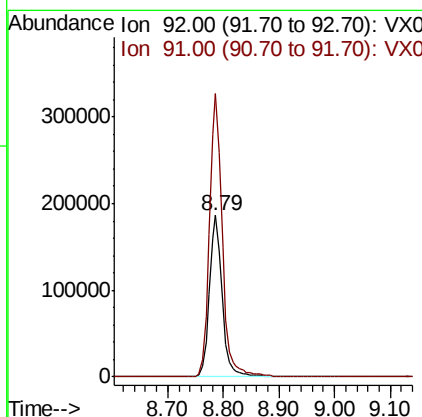
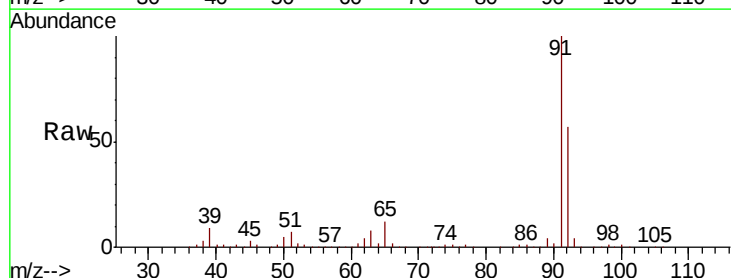
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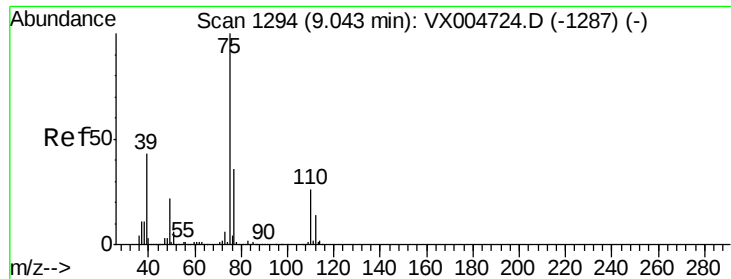
MMDadoda
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#52
Toluene
Concen: 48.275 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion: 92 Resp: 301649
Ion Ratio Lower Upper
92 100
91 175.3 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 45.313 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampled :

FA18-EX3MSD

Tot Ion: 75 Resp: 168023

Ion Ratio Lower Upper

75 100

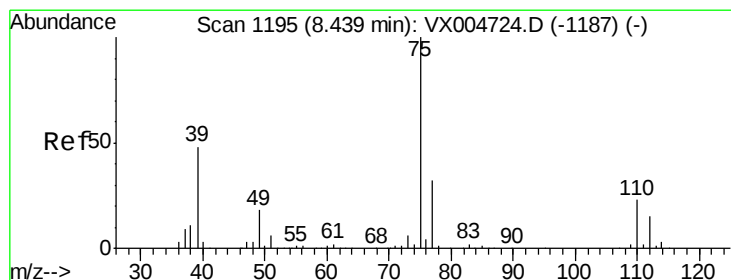
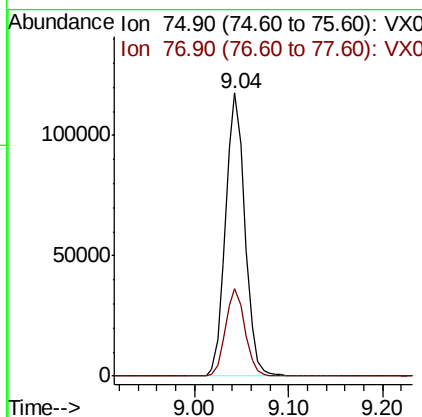
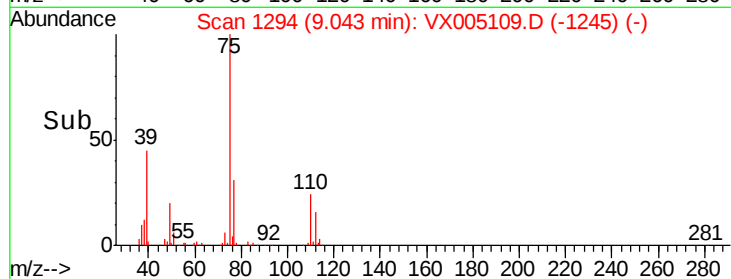
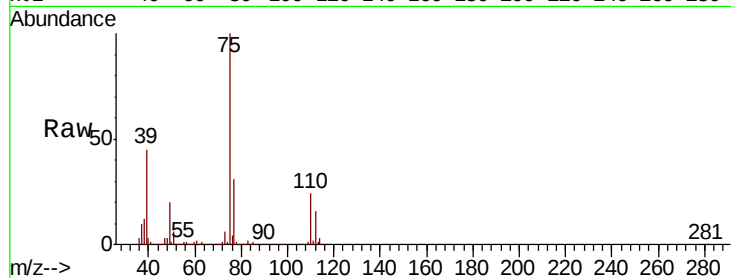
77 31.0 28.9 43.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.392 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

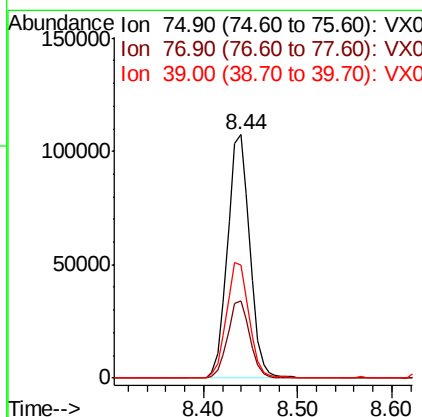
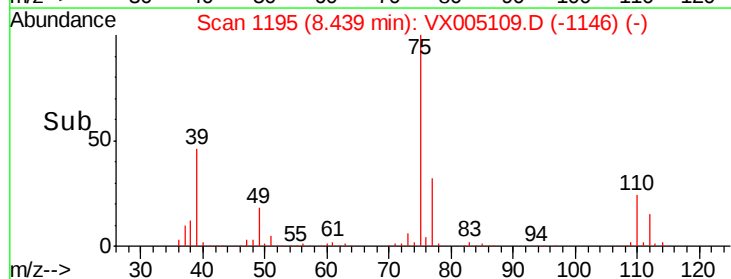
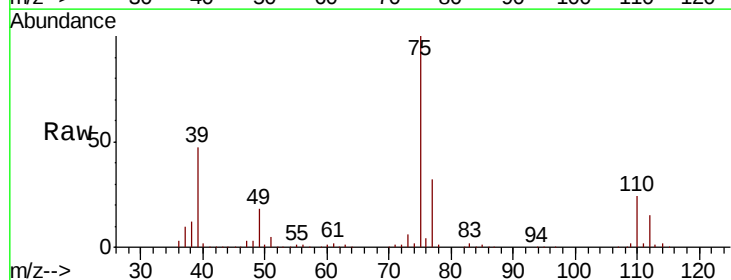
Tgt Ion: 75 Resp: 176298

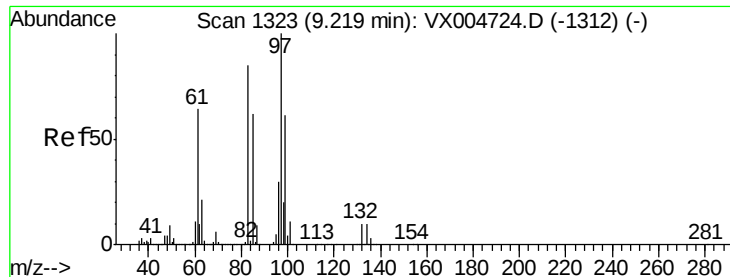
Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

39 46.4 38.3 57.5





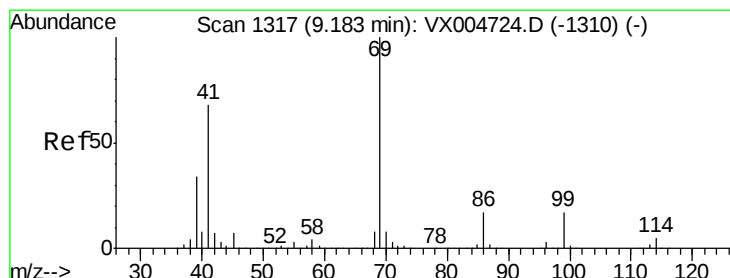
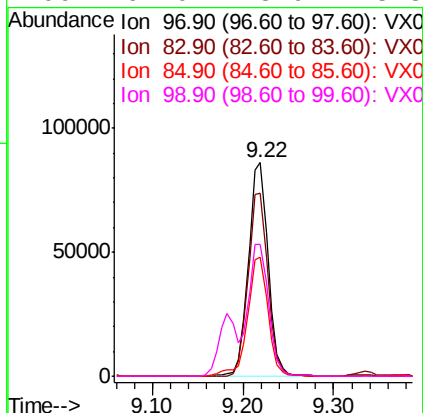
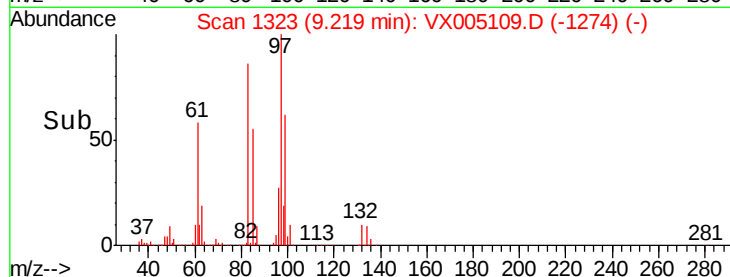
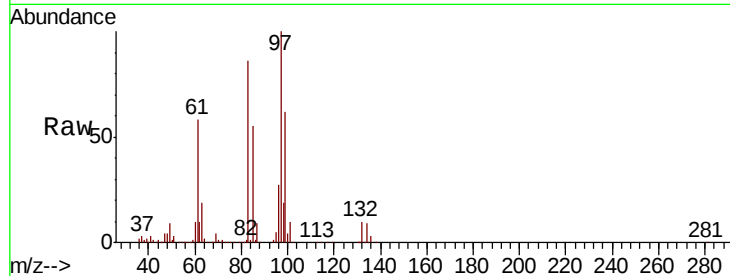
#55
 1,1,2-Trichloroethane
 Concen: 47.420 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Tot Ion:	97	Resp:	129794
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.2	102.2
85	55.5	49.9	74.9
99	62.0	48.9	73.3

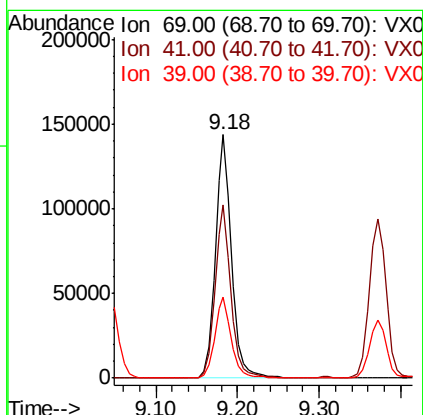
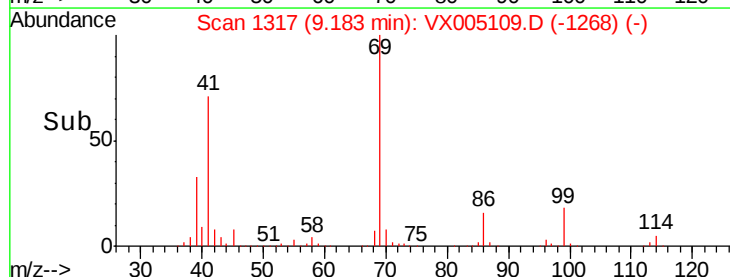
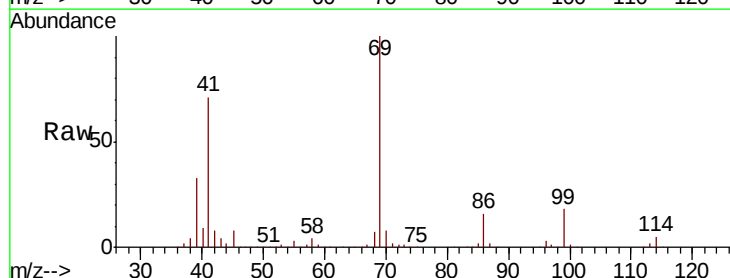
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 45.688 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion:	69	Resp:	201764
Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.9	85.3
39	33.9	28.4	42.6





#57

1,3-Dichloropropane

Concen: 47.382 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion: 76 Resp: 215846

Ion Ratio Lower Upper

76 100

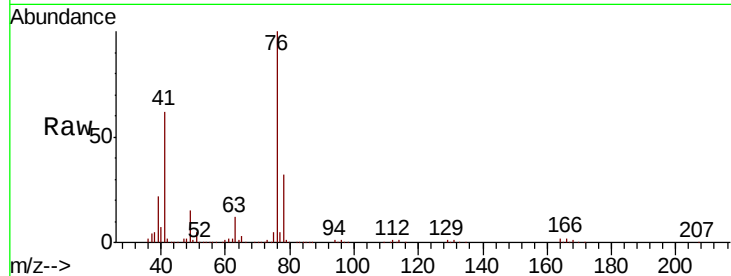
78 32.0 26.6 40.0

Manual Integrations

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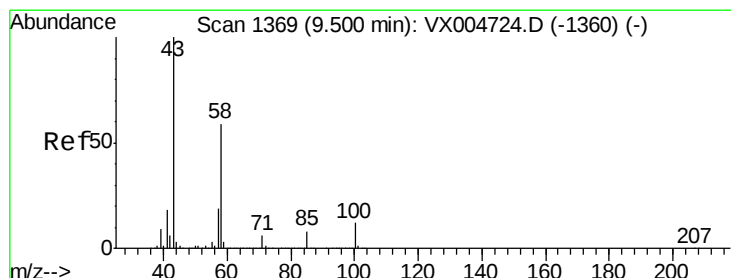
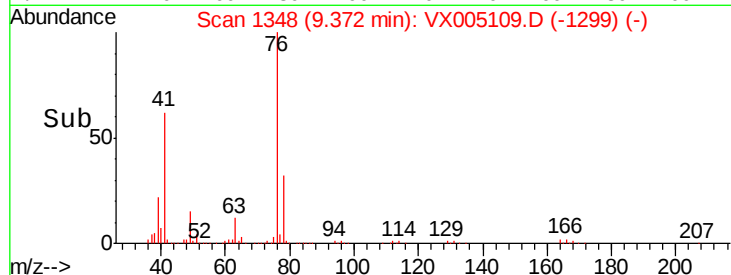
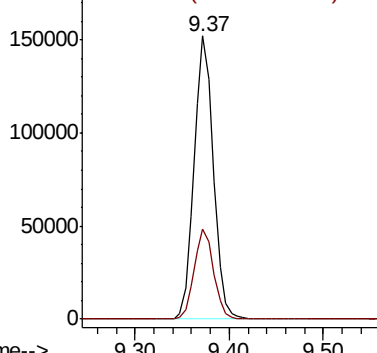
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 248.454 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VX005109.D

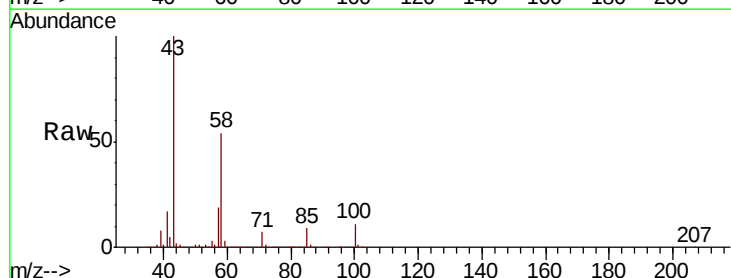
Acq: 06 Oct 2018 11:19

Tgt Ion: 43 Resp: 907225

Ion Ratio Lower Upper

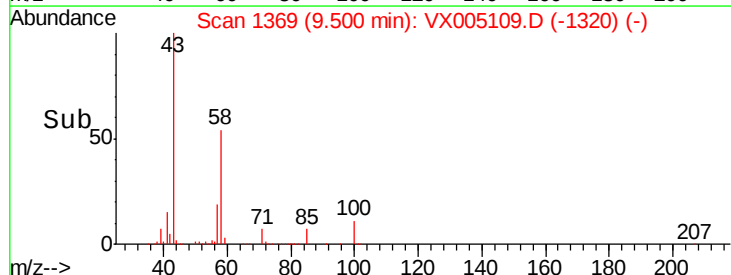
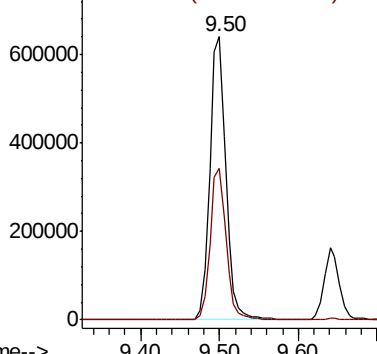
43 100

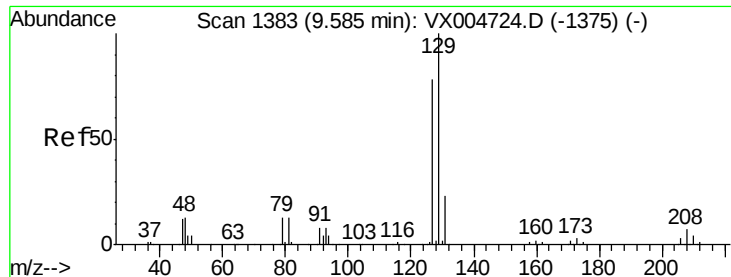
58 53.4 28.4 85.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 49.374 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion:129 Resp: 135152

Ion Ratio Lower Upper

129 100

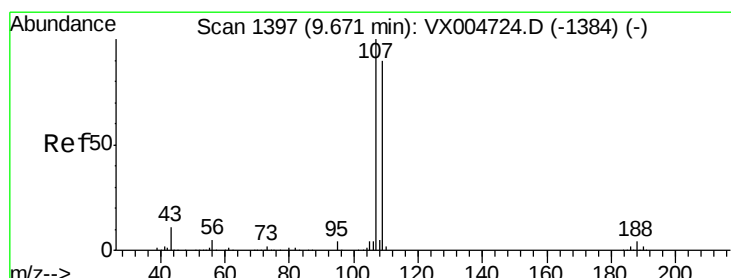
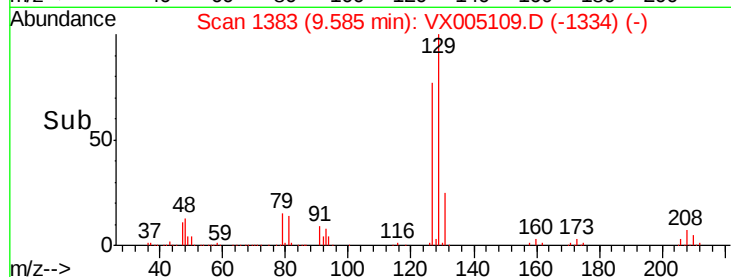
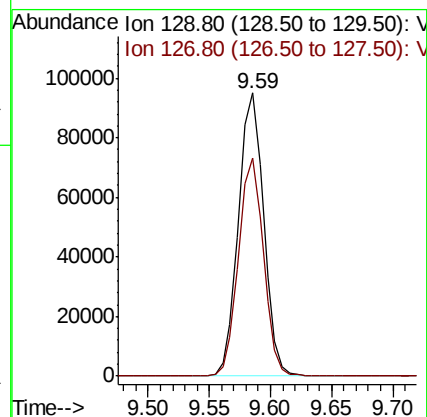
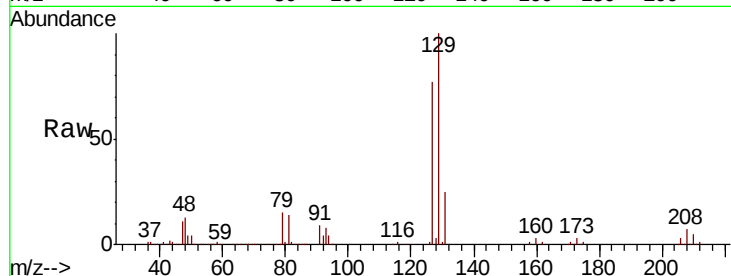
127 76.3 39.1 117.2

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 44.702 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005109.D

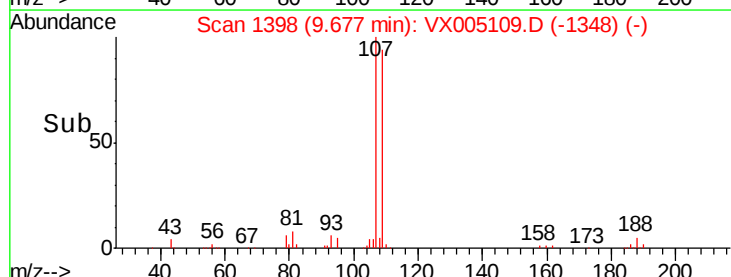
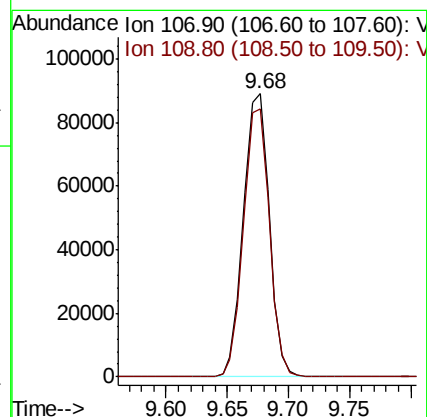
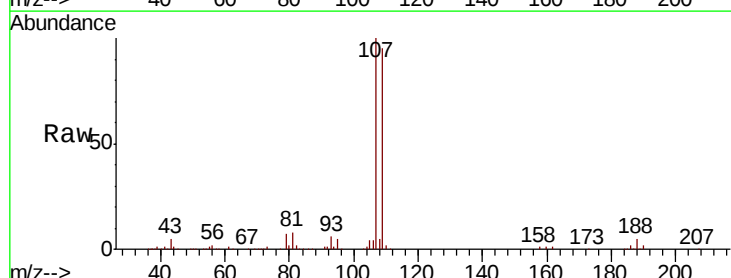
Acq: 06 Oct 2018 11:19

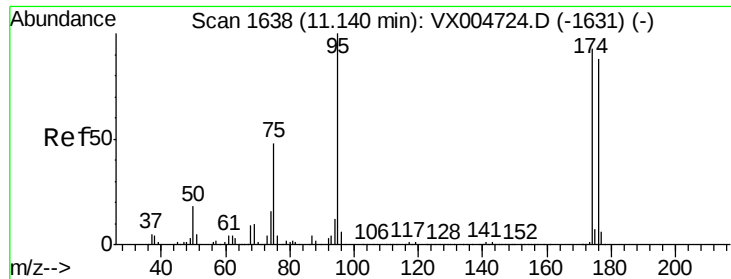
Tgt Ion:107 Resp: 131035

Ion Ratio Lower Upper

107 100

109 95.0 72.1 108.1





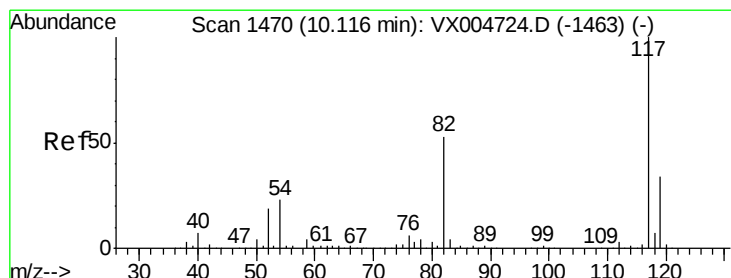
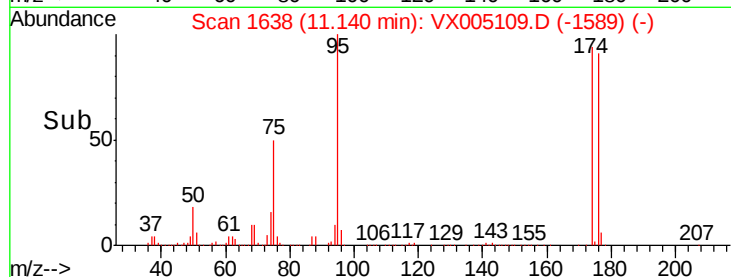
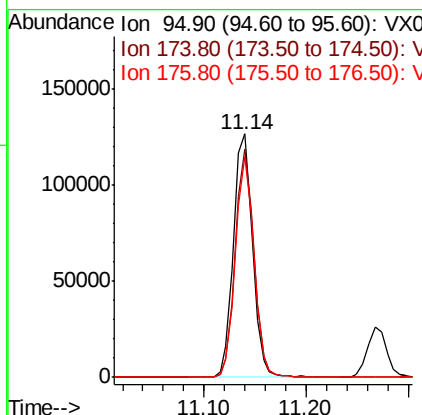
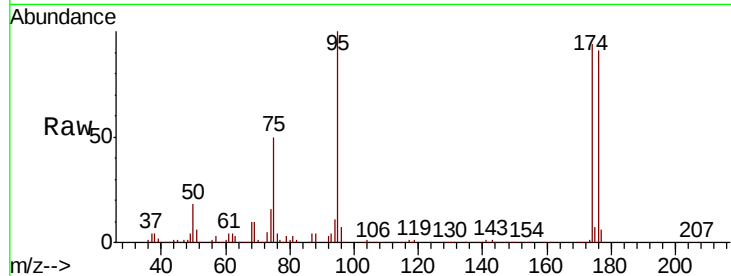
#62
4-Bromofluorobenzene
Concen: 51.186 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	163207		
174	91.1	0.0	185.0	
176	88.2	0.0	180.2	

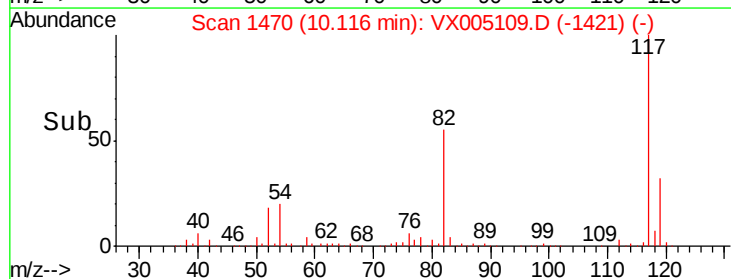
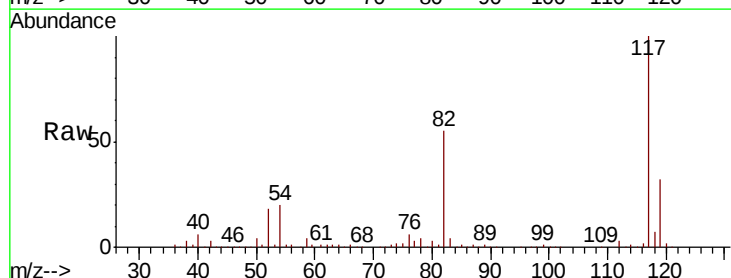
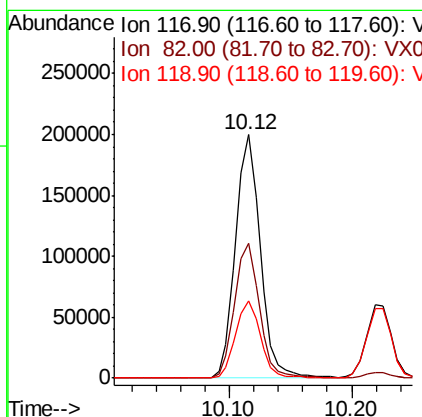
Manual Integrations
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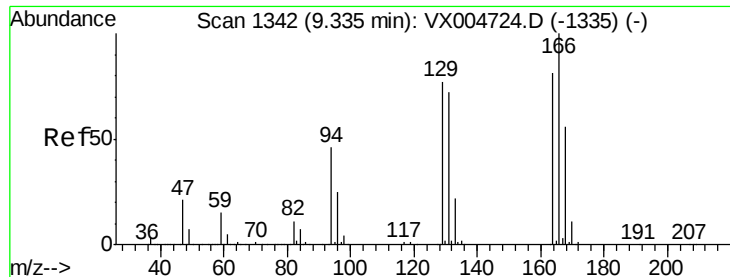
MMDadoda
10/8/2018 2:02:44 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	280871		
82	55.5	42.2	63.4	
119	31.8	27.4	41.0	





#64

Tetrachloroethene

Concen: 46.252 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion:164 Resp: 127857

Ion Ratio Lower Upper

164 100

166 126.2 98.4 147.6

129 87.8 76.1 114.1

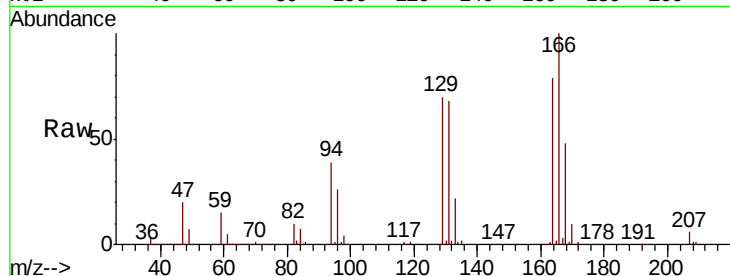
131 86.3 71.0 106.4

Manual Integrations

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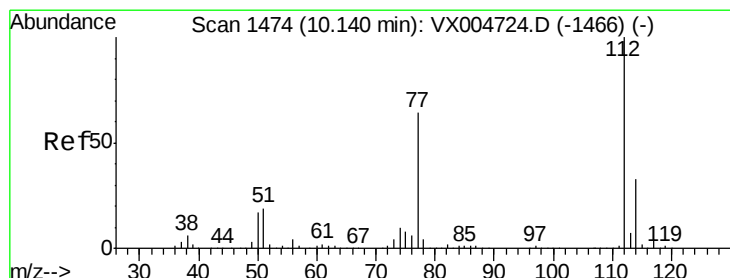
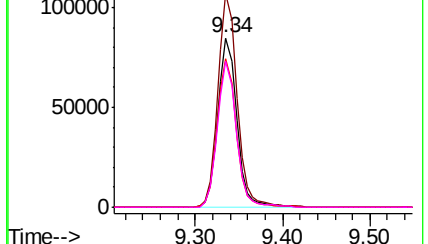
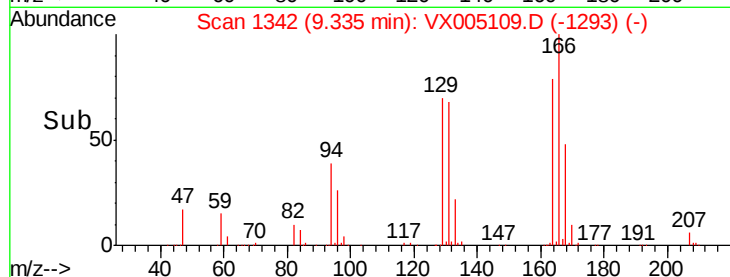


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 49.137 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005109.D

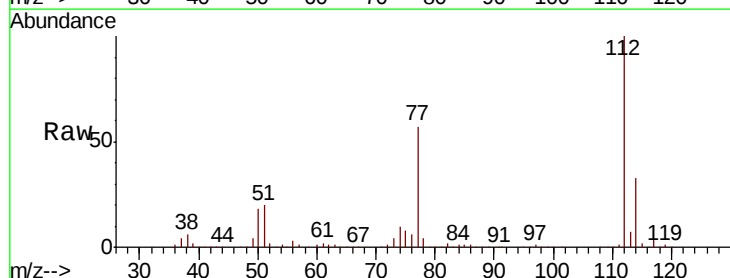
Acq: 06 Oct 2018 11:19

Tgt Ion:112 Resp: 353899

Ion Ratio Lower Upper

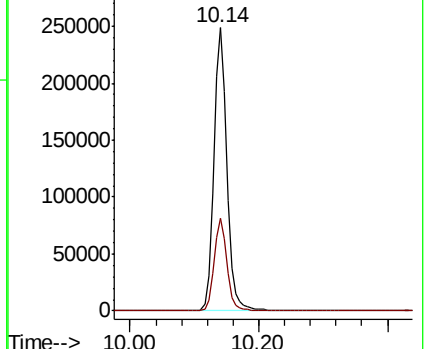
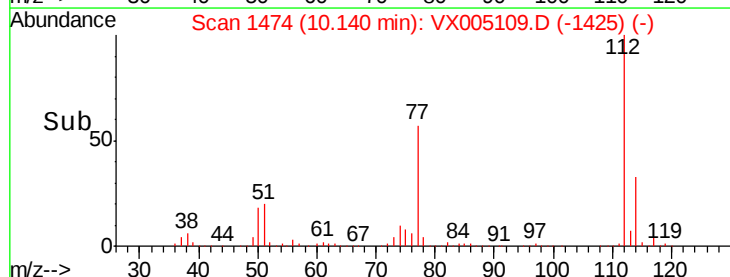
112 100

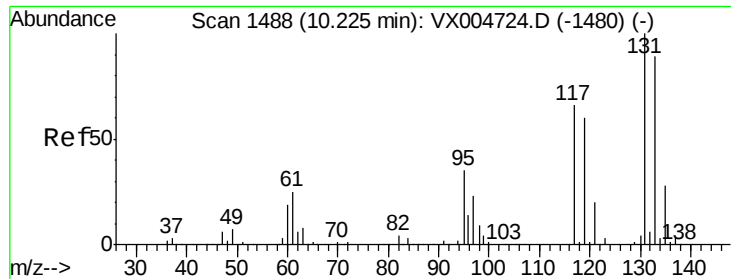
114 32.6 26.7 40.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





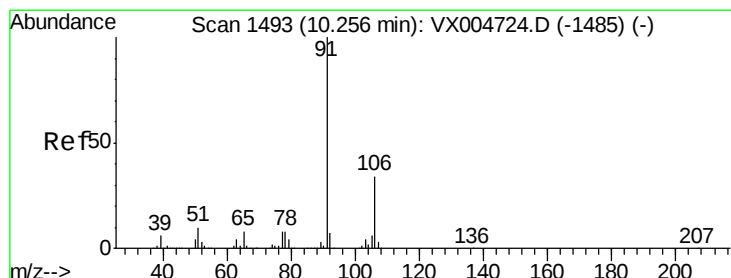
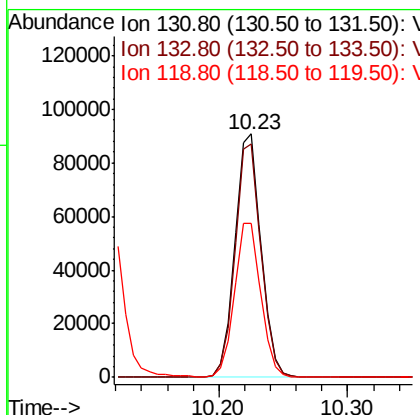
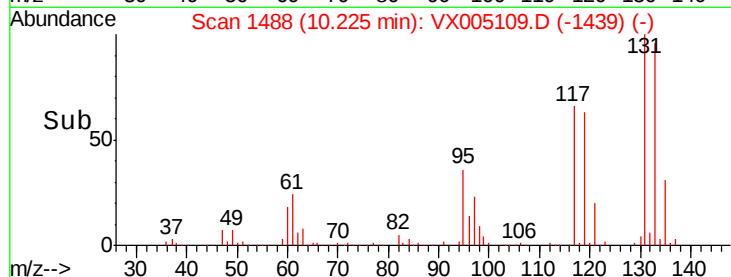
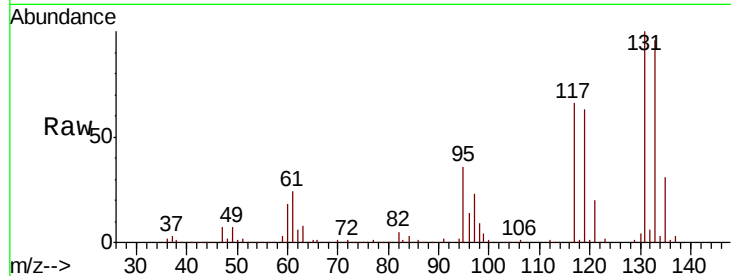
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.338 ug/l
 RT: 10.23 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.4	145.0
119	64.4	32.3	96.8

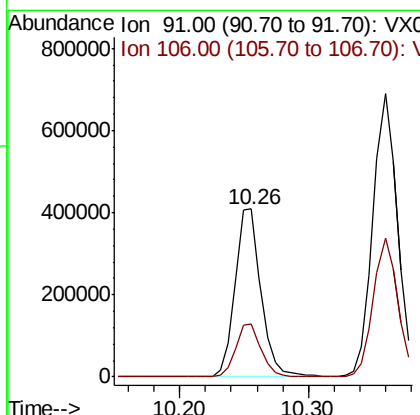
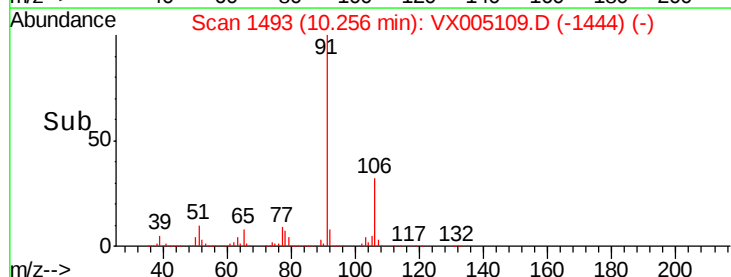
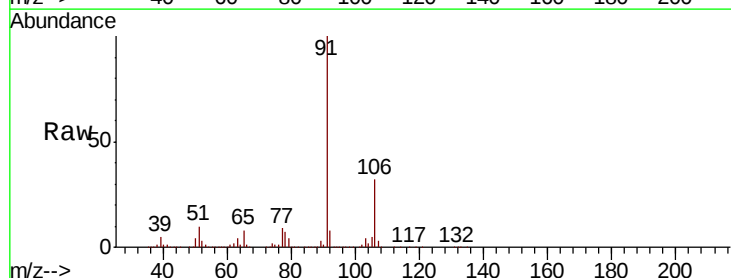
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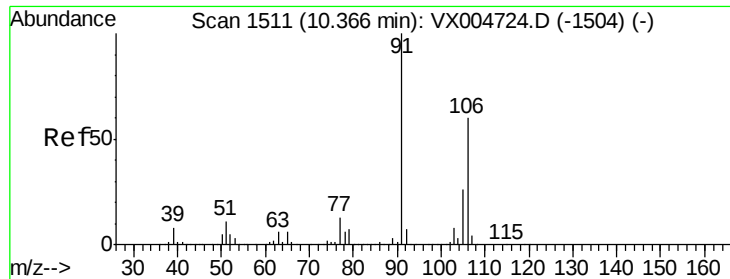
MMDadoda
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#67
 Ethyl Benzene
 Concen: 50.411 ug/l
 RT: 10.26 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	26.9	40.3





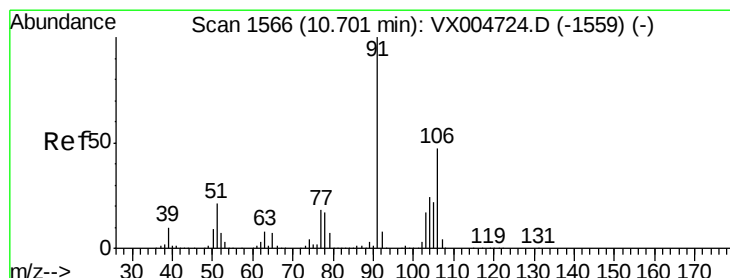
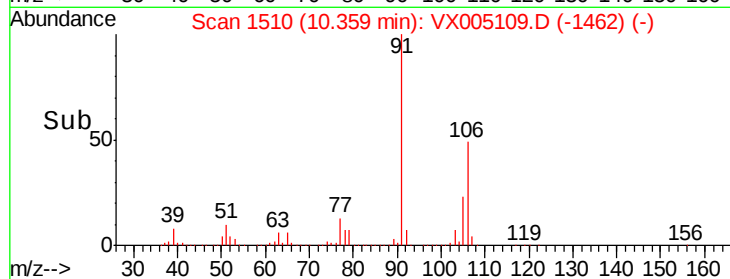
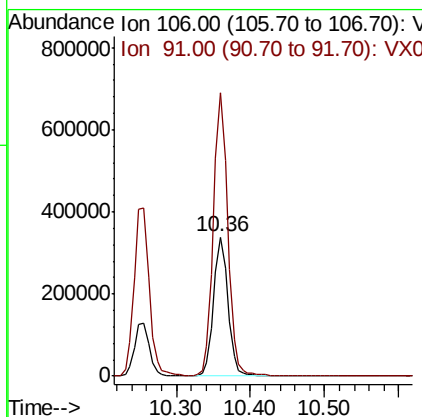
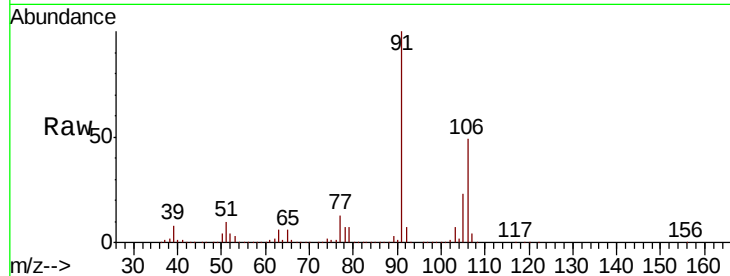
#68
m/p-Xylenes
Concen: 100.575 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		449401		
91	204.6	157.5	236.3		

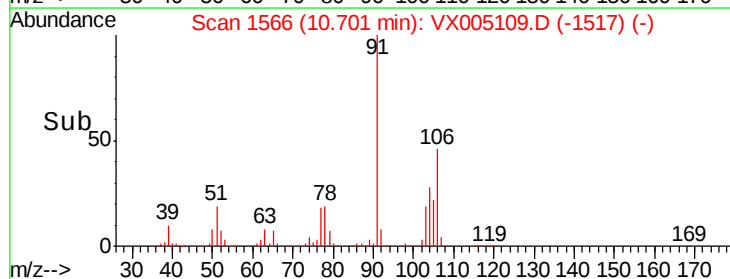
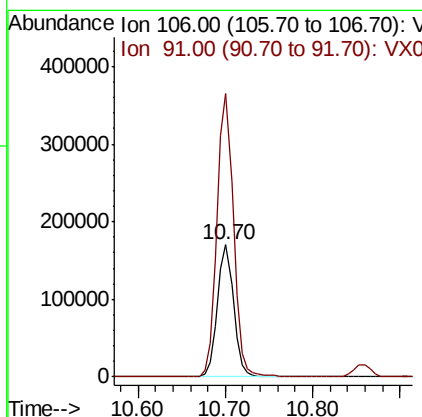
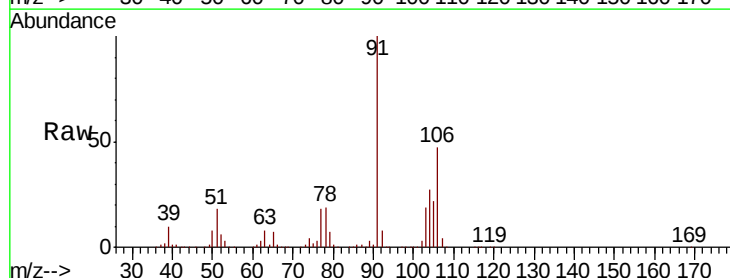
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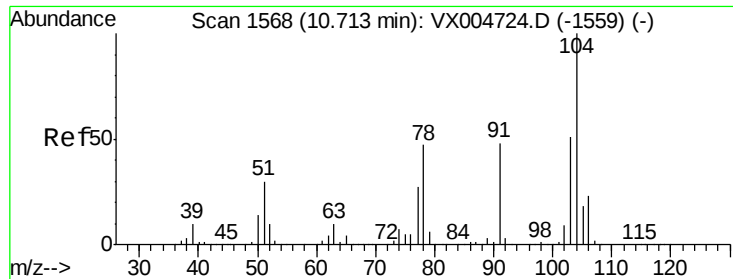
MMDadoda
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#69
o-Xylene
Concen: 53.203 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		218353		
91	216.7	108.3	324.8		





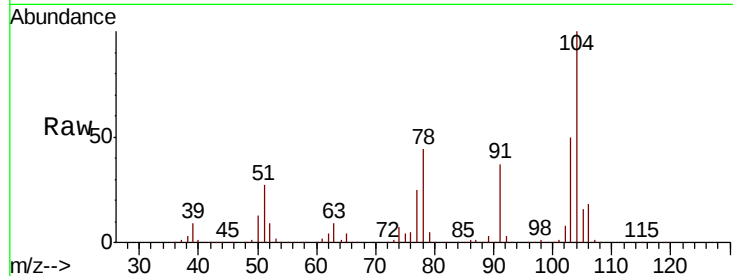
#70
Stvrene
Concen: 48.057 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

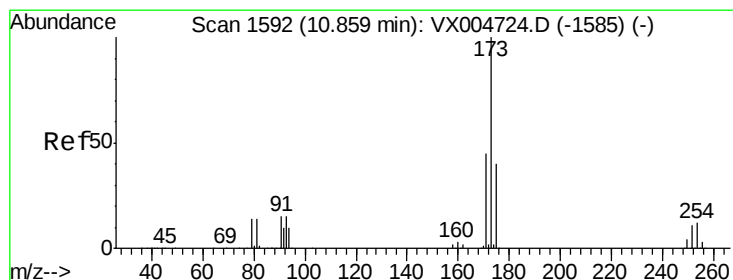
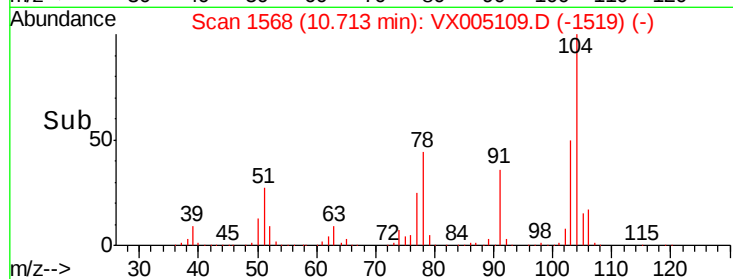
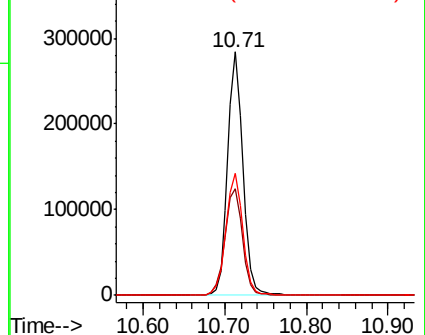
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.0	60.0
103	55.5	44.3	66.5

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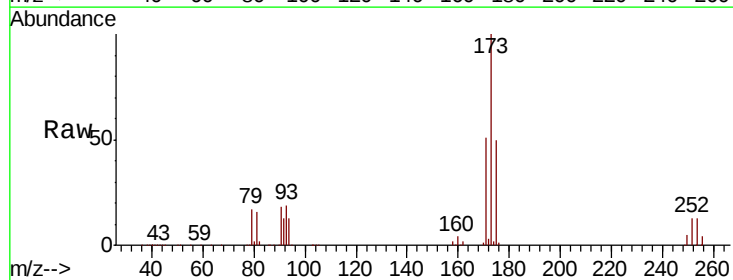


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

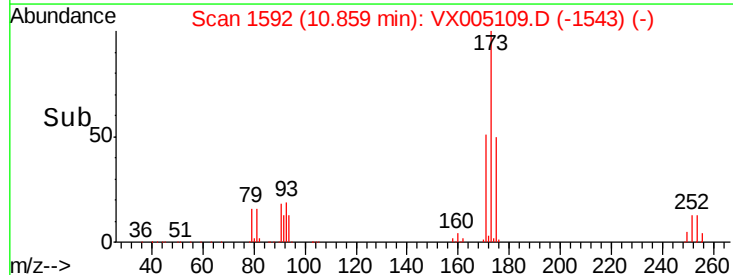
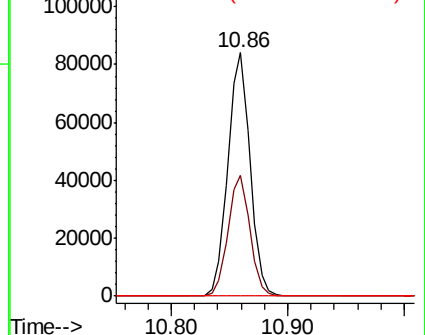


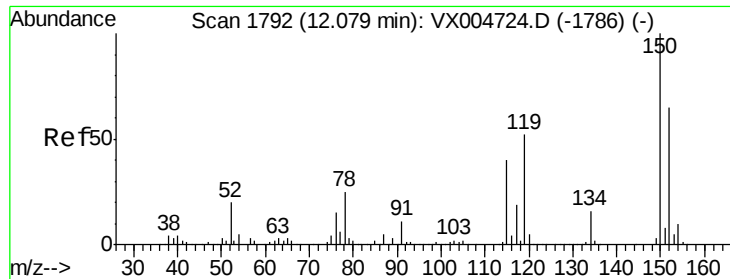
#71
Bromoform
Concen: 51.129 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.3	69.8
254	0.2	0.2	0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion:152 Resp: 174306

Ion Ratio Lower Upper

152 100

115 77.7 40.2 120.6

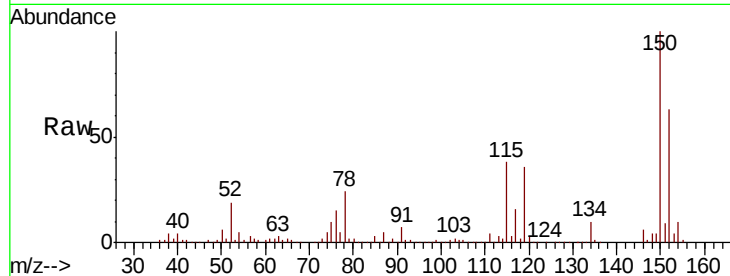
150 173.3 0.0 351.0

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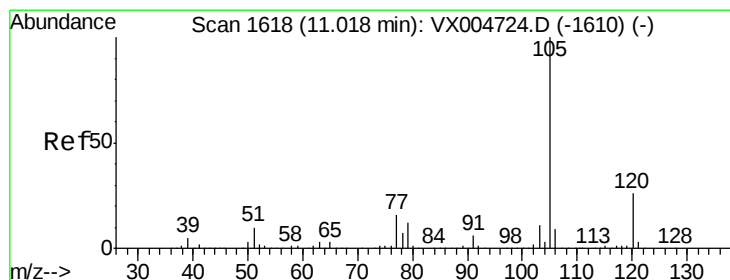
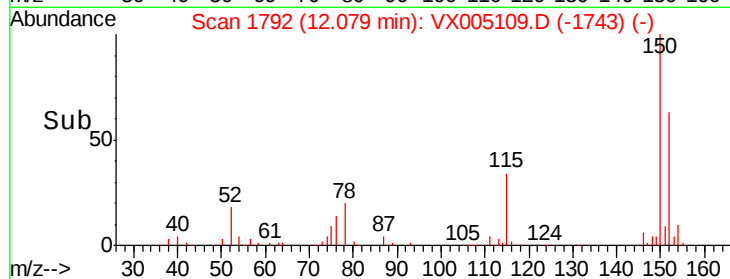
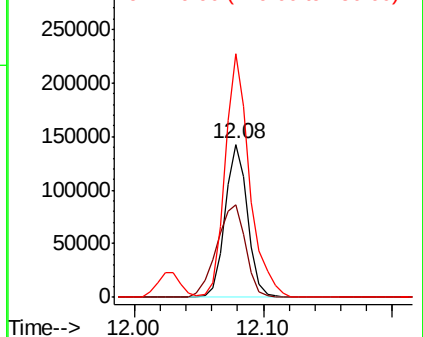


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 53.623 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005109.D

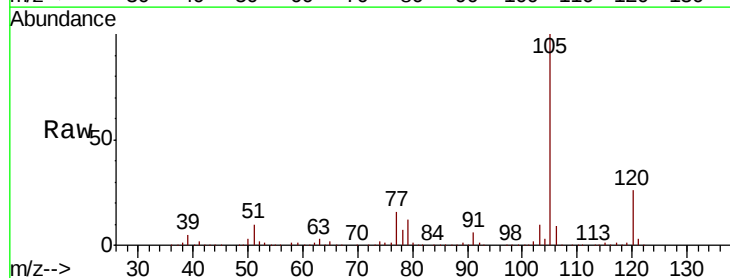
Acq: 06 Oct 2018 11:19

Tgt Ion:105 Resp: 589139

Ion Ratio Lower Upper

105 100

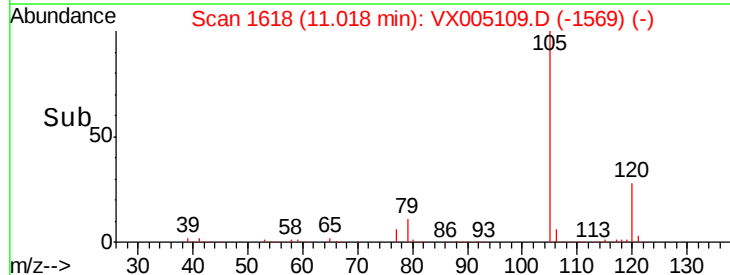
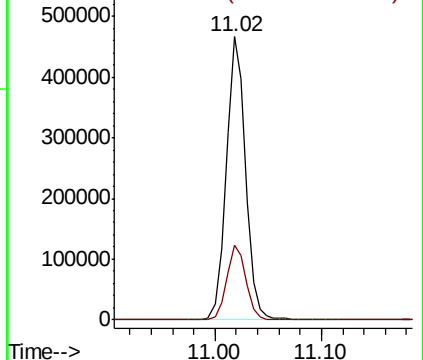
120 26.4 13.2 39.5

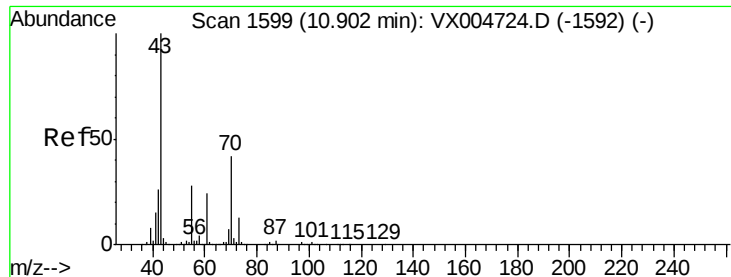


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 36.177 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

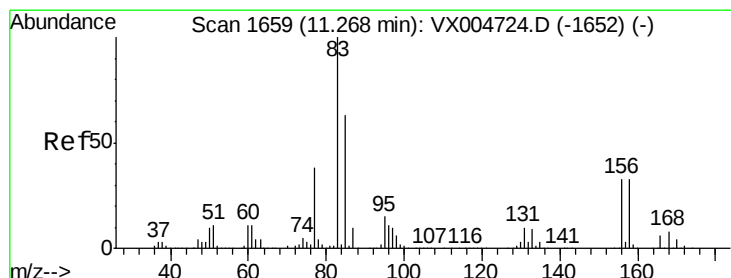
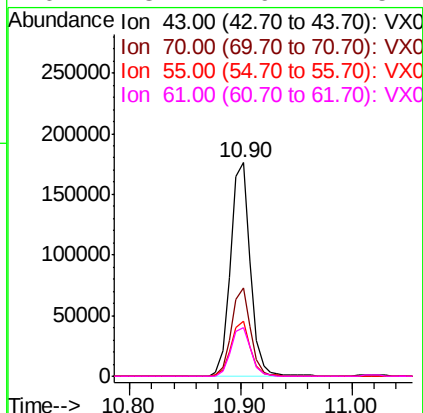
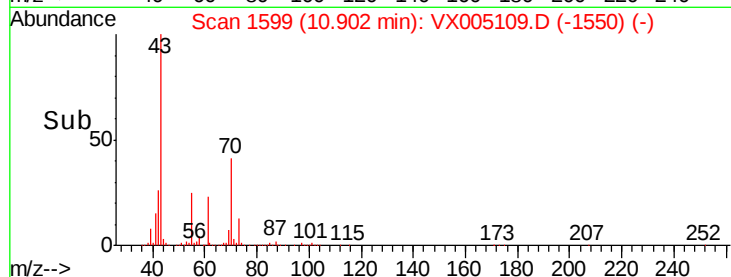
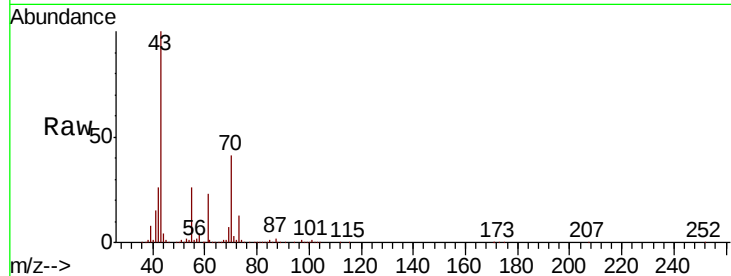
ClientSampleId :

FA18-EX3MSD

Tot Ion:	43	Resp:	215441
Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.6	48.8
55	25.2	21.6	32.4
61	23.2	19.1	28.7

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#75

1,1,2,2-Tetrachloroethane

Concen: 48.954 ug/l

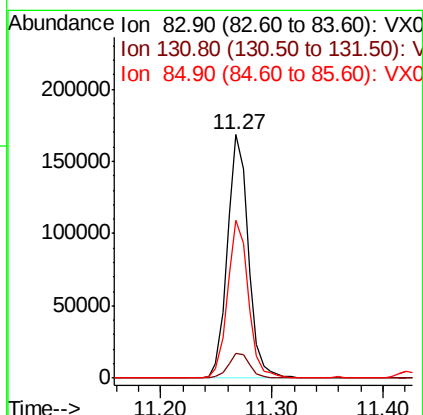
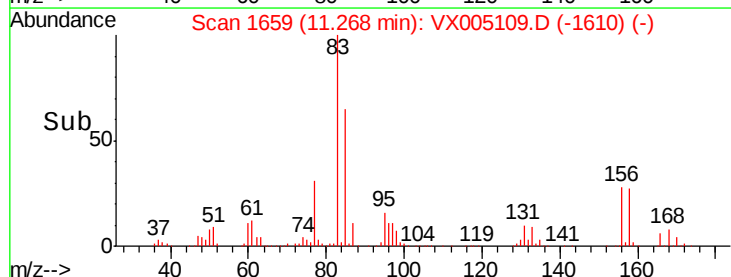
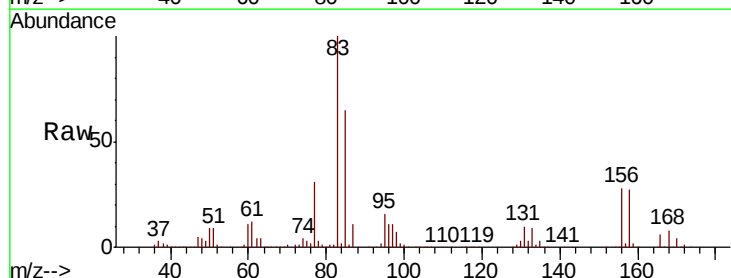
RT: 11.27 min Scan# 1659

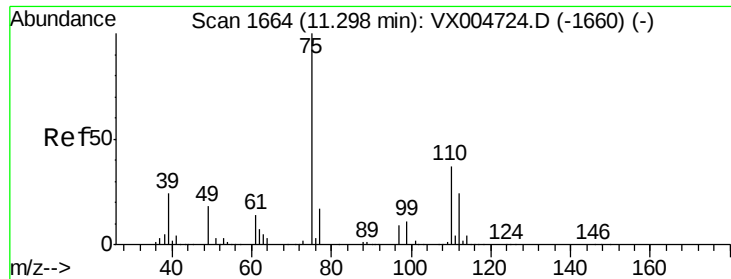
Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion:	83	Resp:	218941
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.1	15.3
85	64.2	31.9	95.9





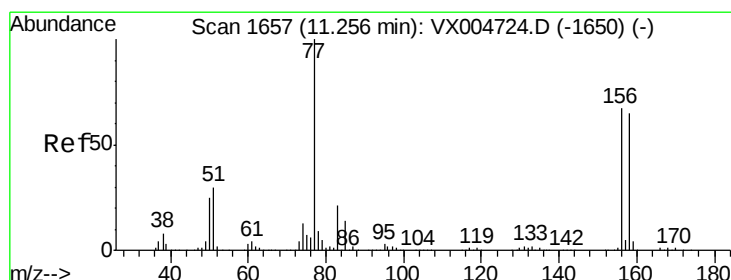
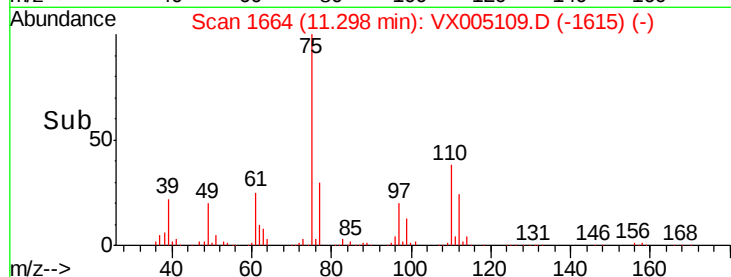
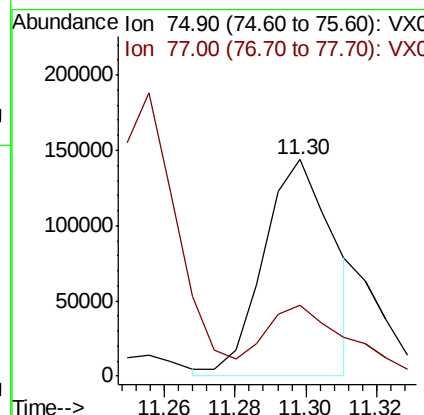
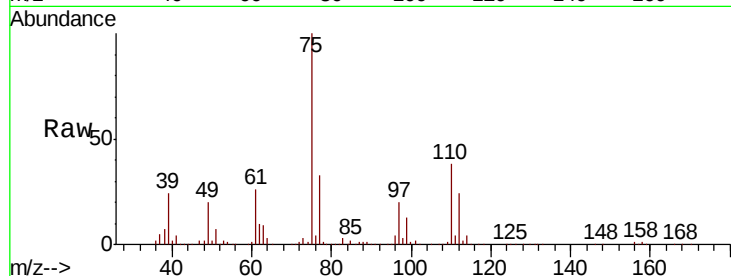
#76
1,2,3-Trichloropropane
Concen: 50.256 ug/l m
RT: 11.30 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	39.2	21.4	64.3

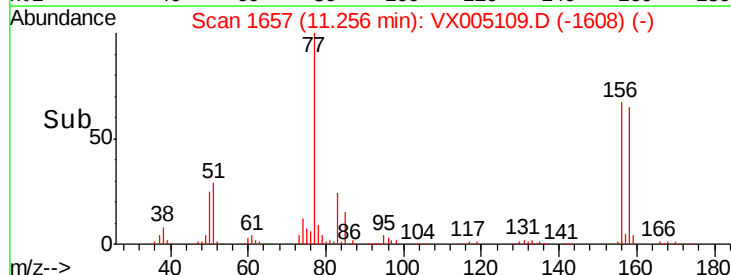
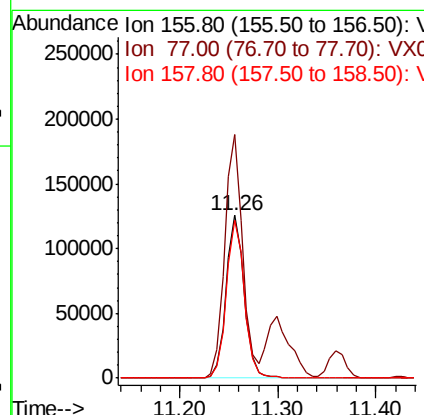
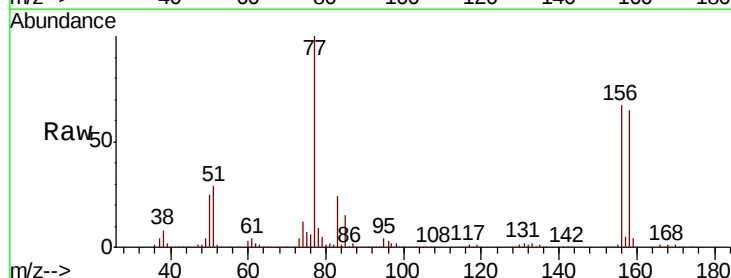
Manual Integrations
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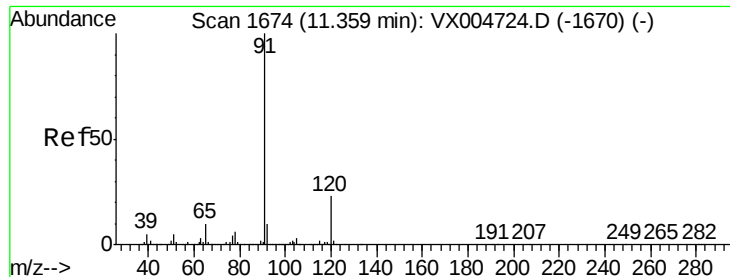
MMDadoda
10/8/2018 2:02:44 PM



#77
Bromobenzene
Concen: 50.357 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
156	100		
77	148.3	73.4	220.2
158	97.1	49.1	147.4





#78

n-propylbenzene

Concen: 52.725 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion: 91 Resp: 664653

Ion Ratio Lower Upper

91 100

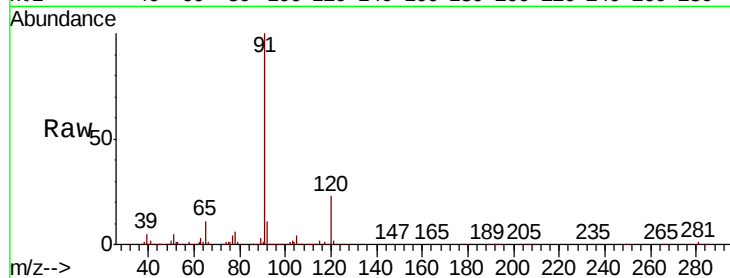
120 23.5 12.0 36.0

Manual Integrations

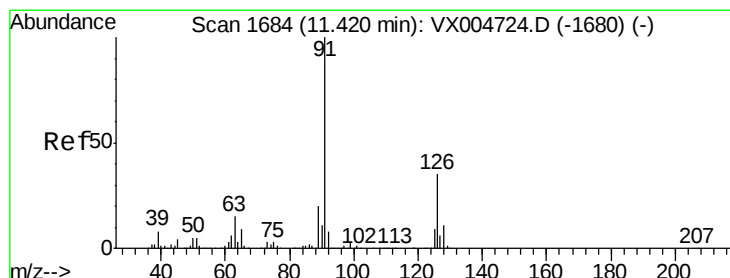
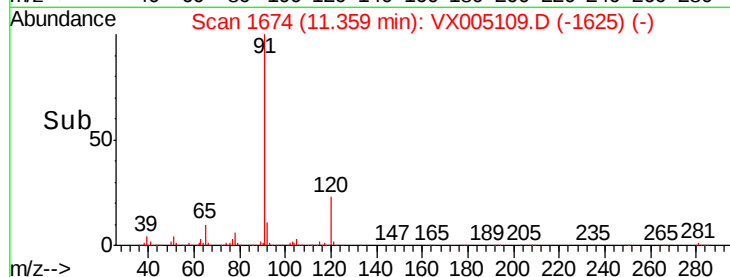
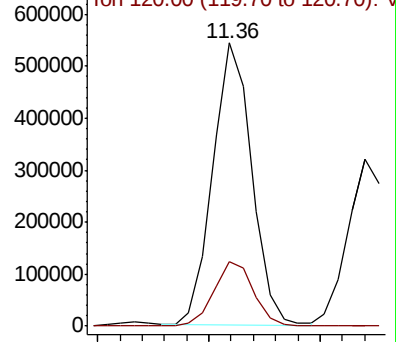
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Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1670) (-)



#79

2-Chlorotoluene

Concen: 51.463 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005109.D

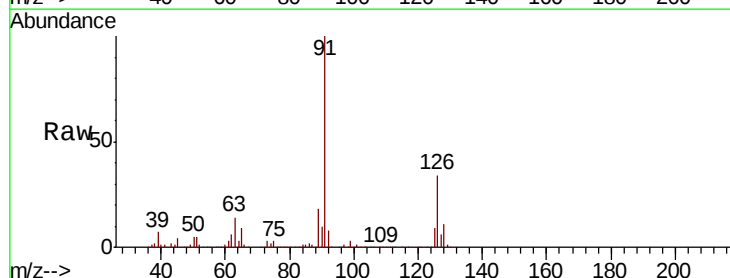
Acq: 06 Oct 2018 11:19

Tgt Ion: 91 Resp: 404372

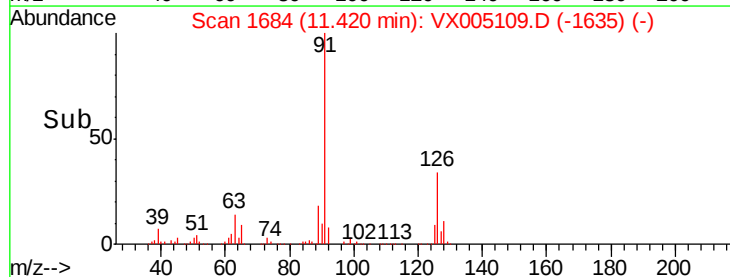
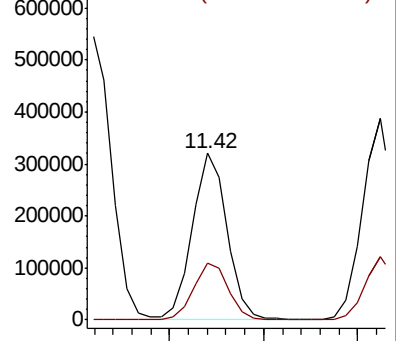
Ion Ratio Lower Upper

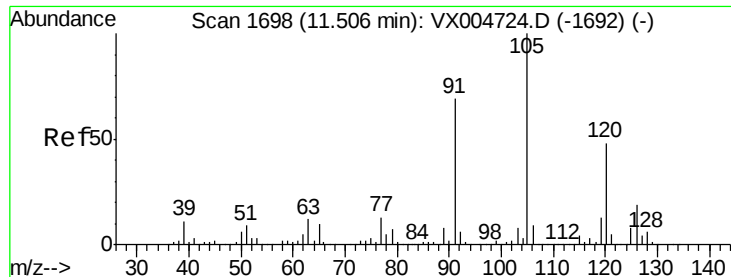
91 100

126 34.8 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1680) (-)





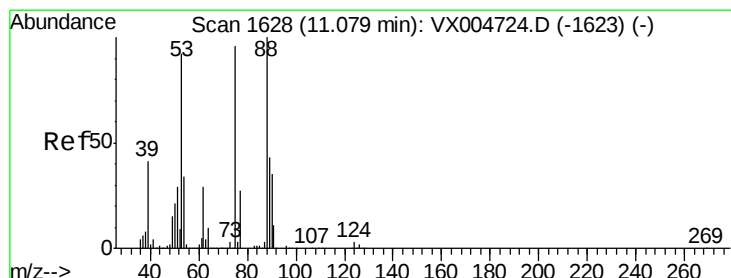
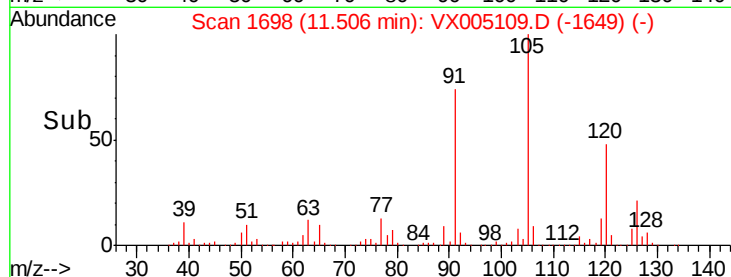
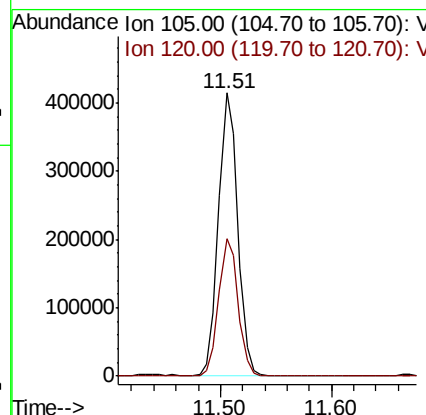
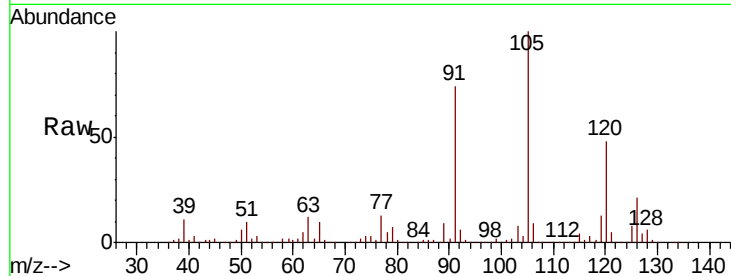
#80
 1,3,5-Trimethylbenzene
 Concen: 49.455 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Tot Ion:105 Resp: 498025
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.8

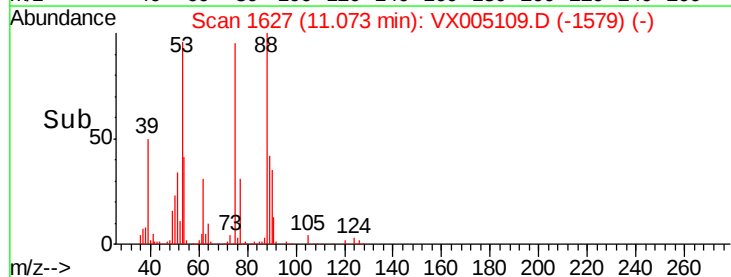
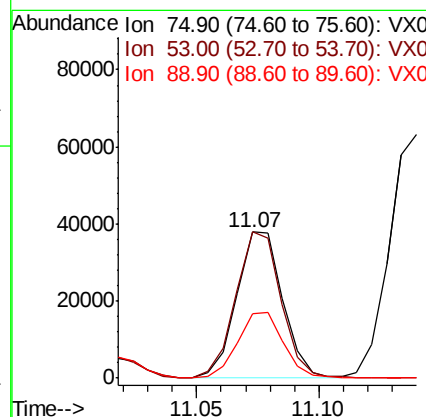
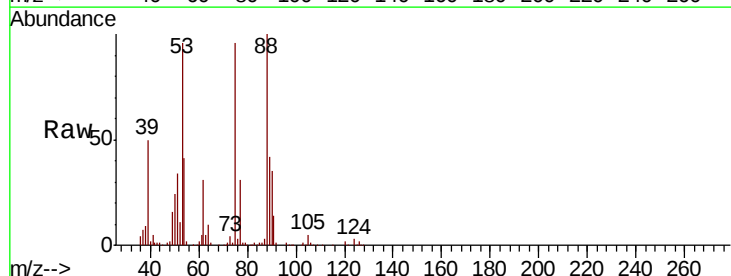
Manual Integrations
 APPROVED

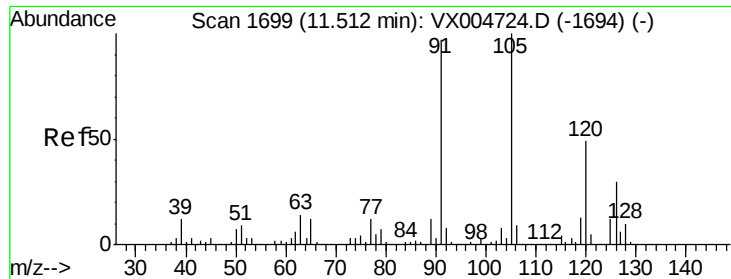
MMDadoda
 10/8/2018 2:02:44 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 34.956 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion: 75 Resp: 49180
 Ion Ratio Lower Upper
 75 100
 53 99.1 80.2 120.4
 89 45.4 37.1 55.7





#82

4-Chlorotoluene

Concen: 51.609 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampled :

FA18-EX3MSD

Tot Ion: 91 Resp: 477319

Ion Ratio Lower Upper

91 100

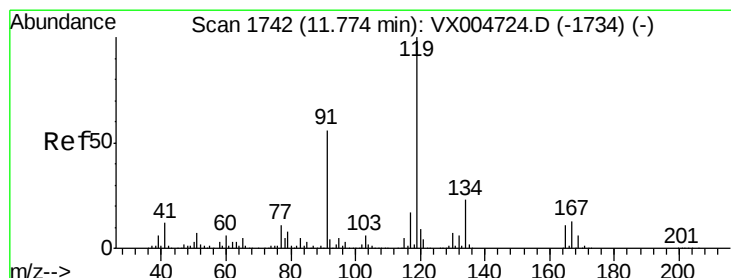
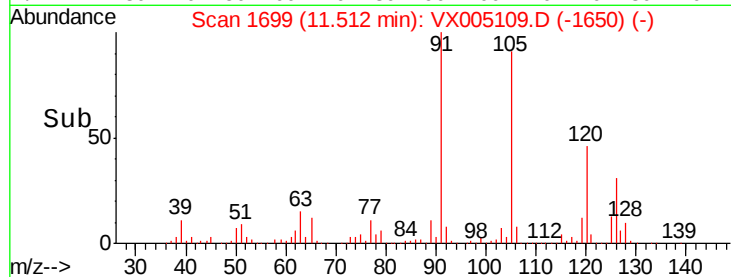
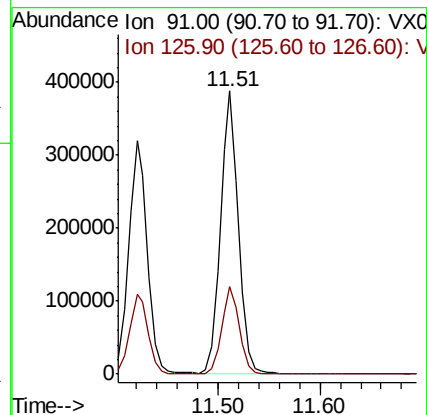
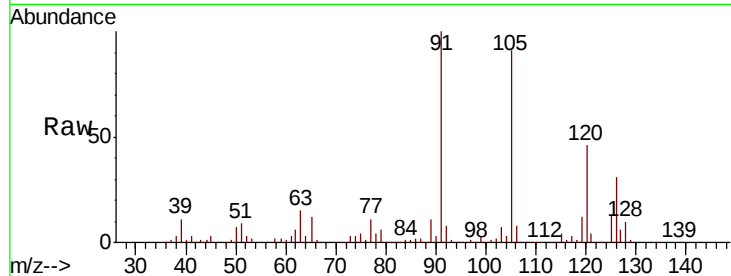
126 30.6 15.5 46.5

Manual Integrations

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#83

tert-Butylbenzene

Concen: 55.690 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

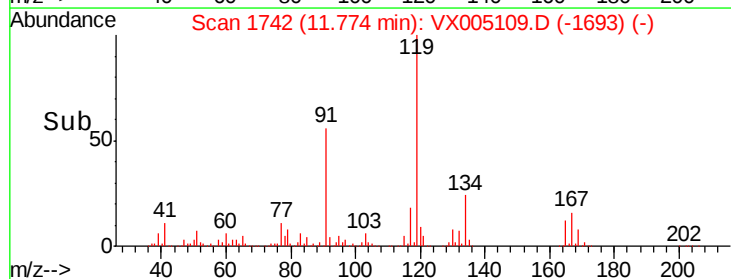
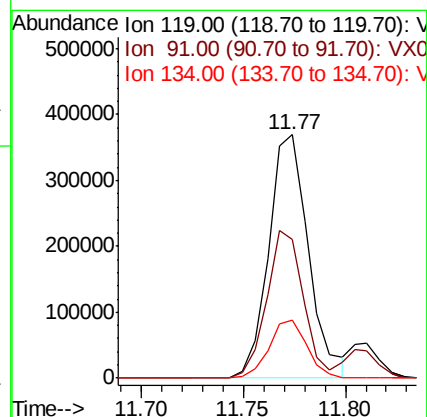
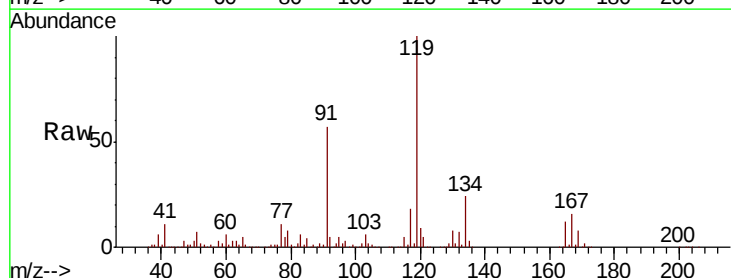
Tgt Ion: 119 Resp: 503757

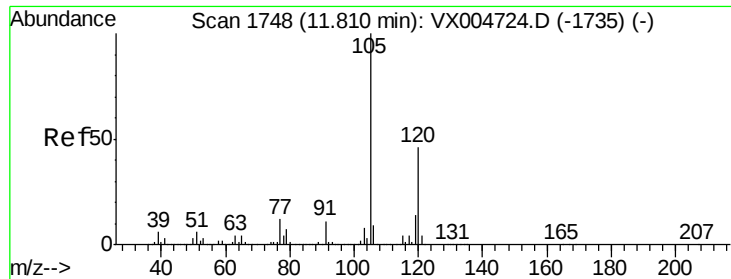
Ion Ratio Lower Upper

119 100

91 55.8 27.5 82.5

134 22.6 11.5 34.4





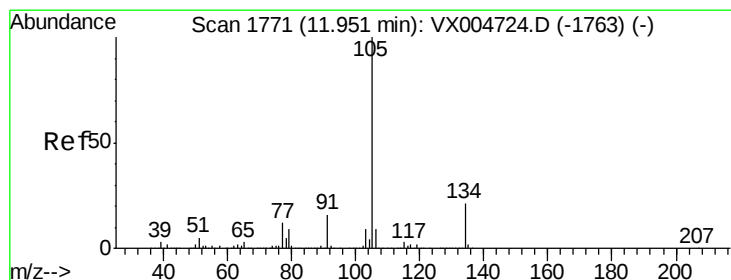
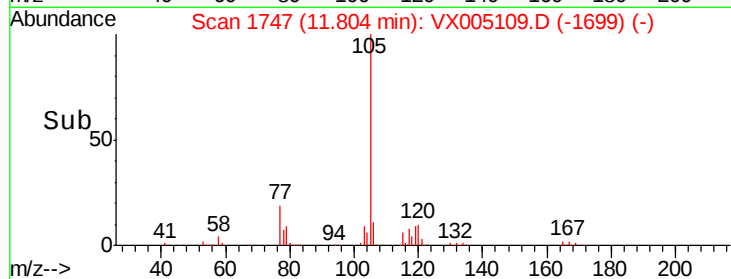
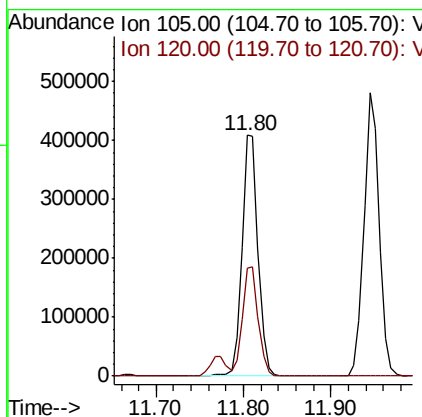
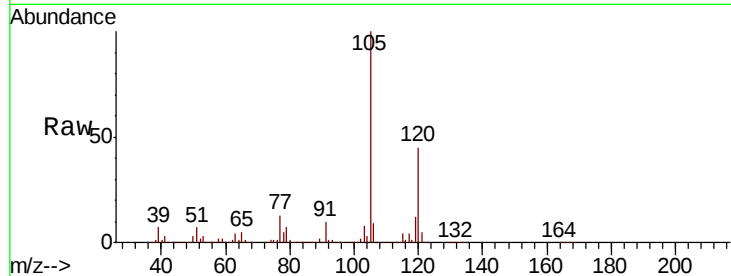
#84
 1,2,4-Trimethylbenzene
 Concen: 50.220 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.3

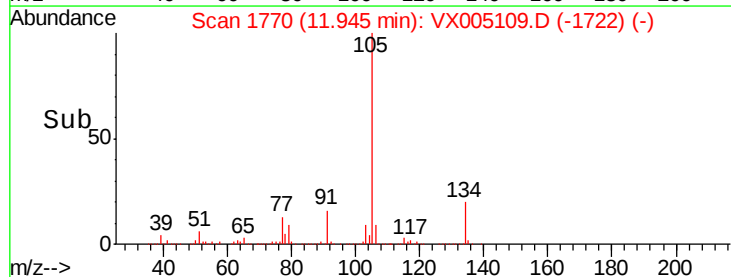
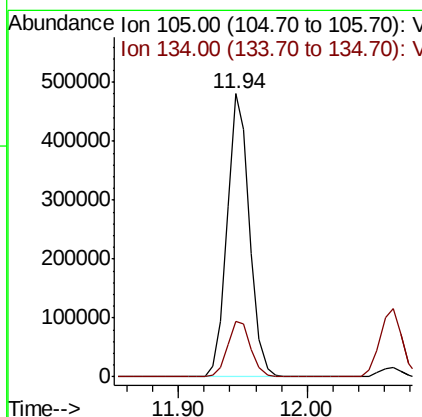
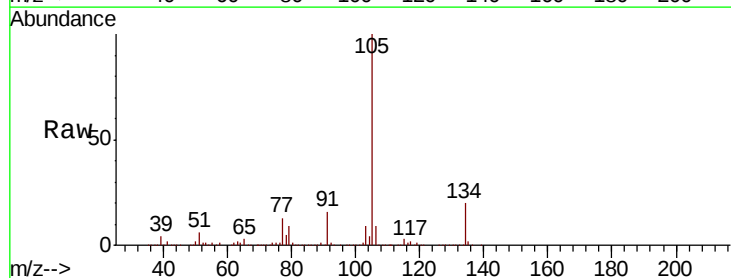
Manual Integrations
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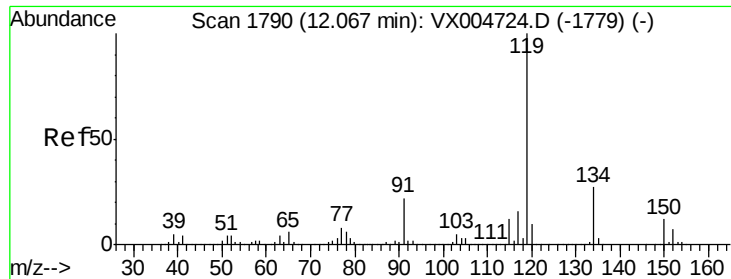
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#85
 sec-Butylbenzene
 Concen: 53.030 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.2	30.4





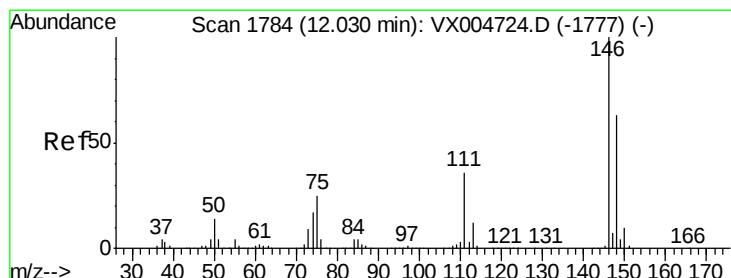
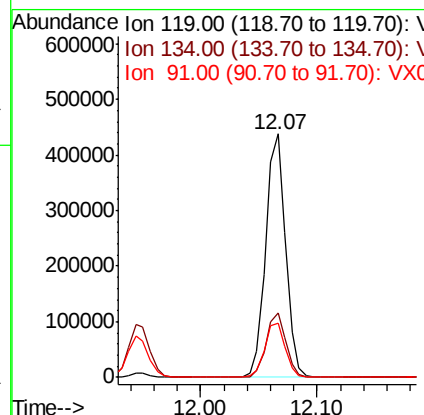
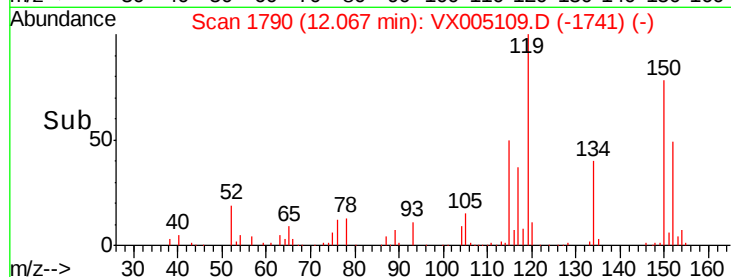
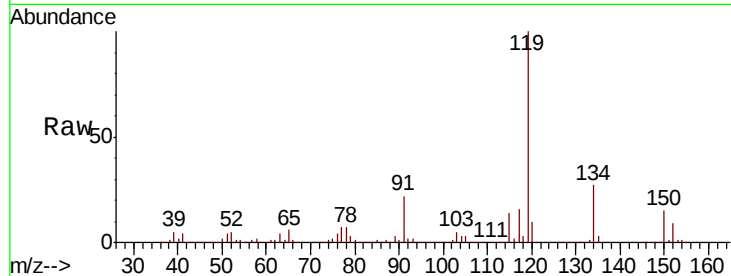
#86
 p-Isopropyltoluene
 Concen: 52.581 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.1
91	22.8	11.5	34.4

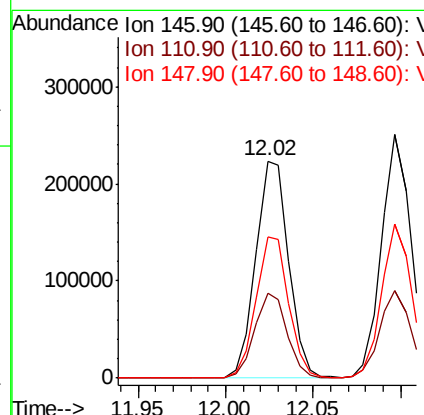
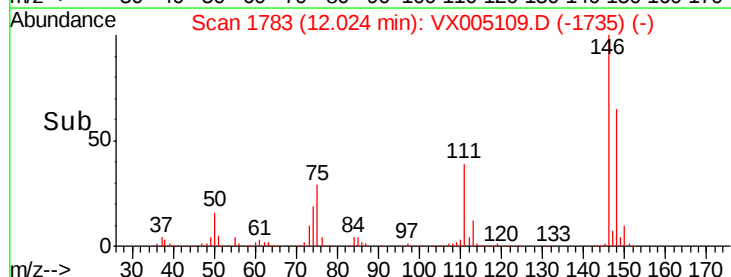
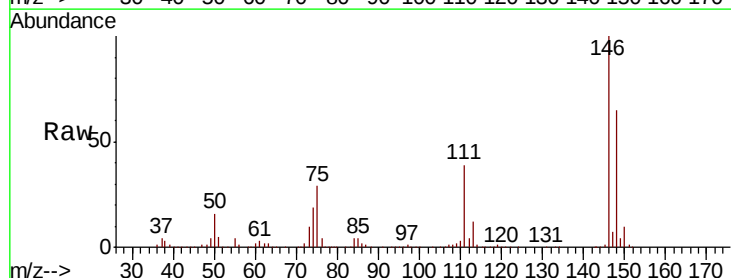
Manual Integrations
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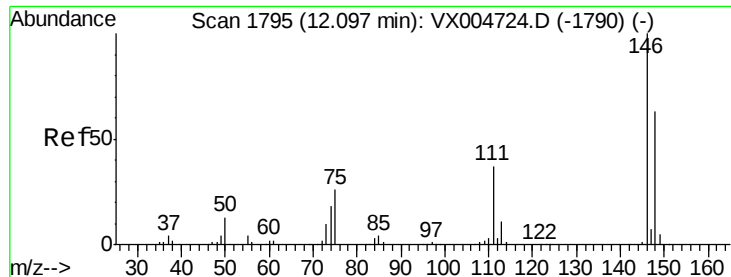
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#87
 1,3-Dichlorobenzene
 Concen: 49.159 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.9	56.9
148	64.7	31.8	95.3





#88

1,4-Dichlorobenzene

Concen: 48.437 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

ClientSampleId :

FA18-EX3MSD

Tot Ion: 146 Resp: 297952

Ion Ratio Lower Upper

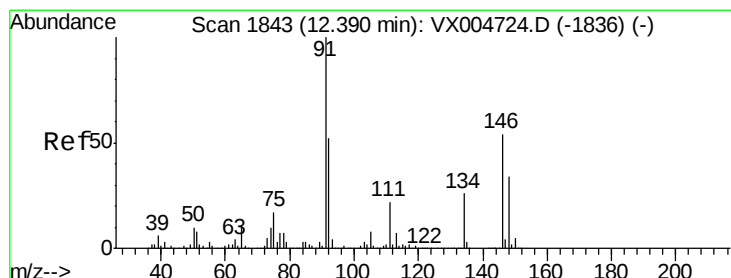
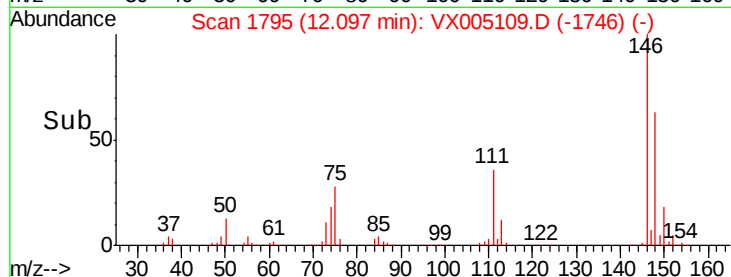
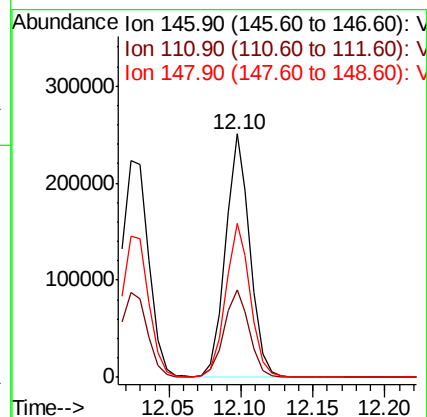
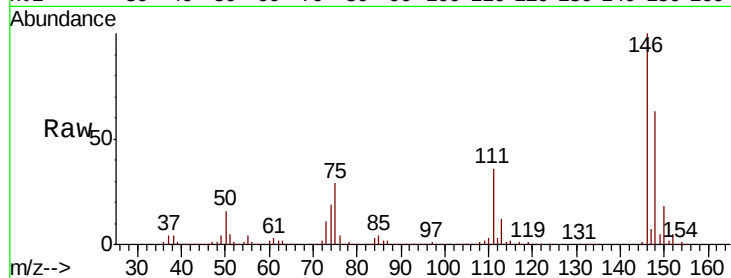
146 100

111 37.5 18.4 55.2

148 64.3 32.0 96.0

Manual Integrations
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#89

n-Butylbenzene

Concen: 49.456 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

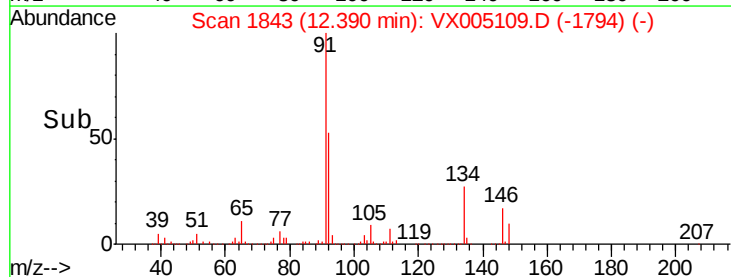
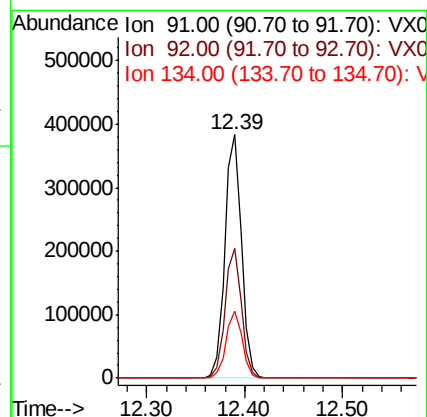
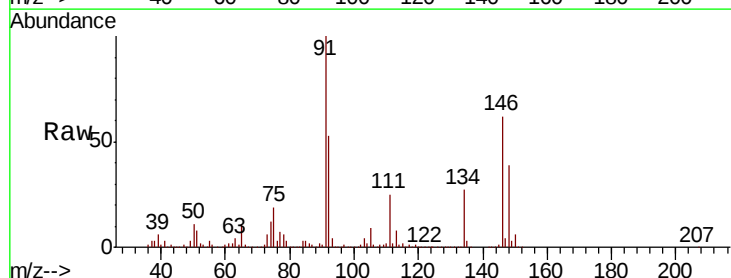
Tgt Ion: 91 Resp: 448365

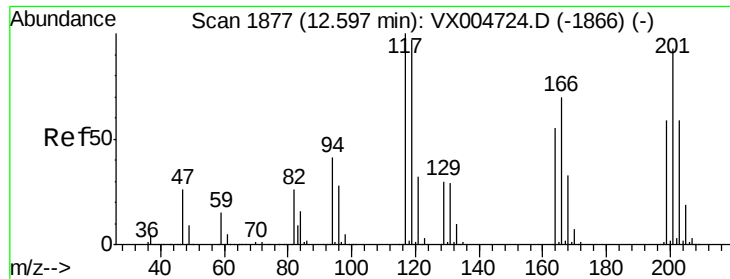
Ion Ratio Lower Upper

91 100

92 52.6 26.0 78.0

134 27.2 13.2 39.6





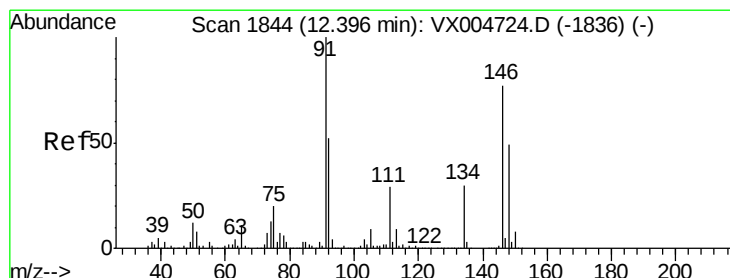
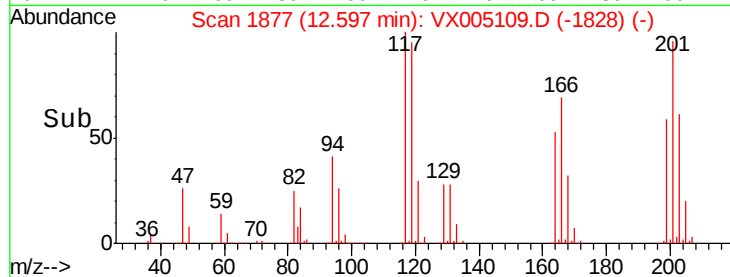
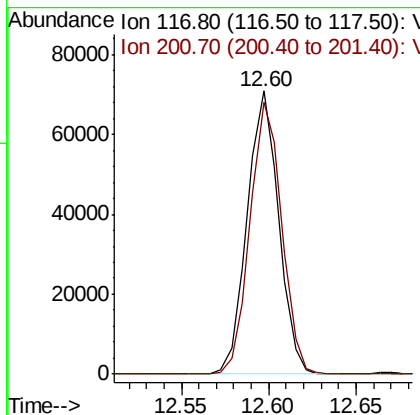
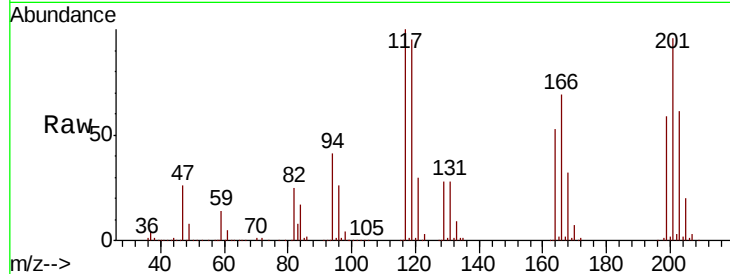
#90
Hexachloroethane
Concen: 53.434 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Instrument :
MSVOA_X
ClientSampleId :
FA18-EX3MSD

Tot Ion:117 Resp: 88810
Ion Ratio Lower Upper
117 100
201 96.8 48.4 145.0

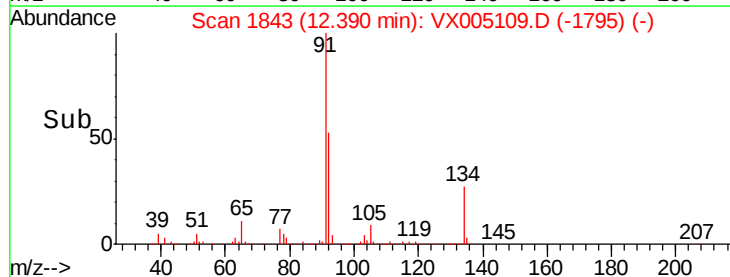
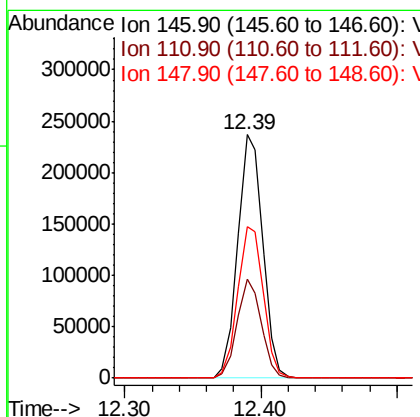
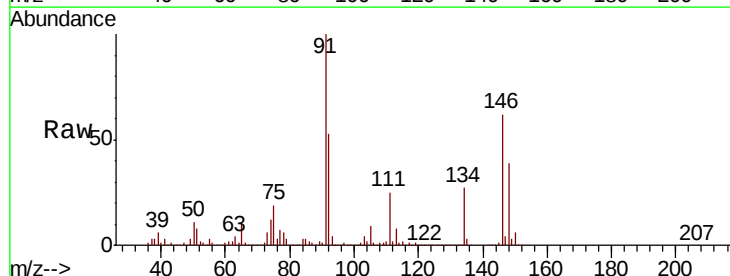
Manual Integrations
APPROVED

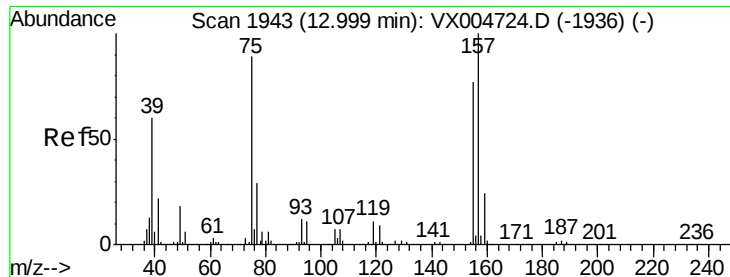
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 48.724 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VX005109.D
Acq: 06 Oct 2018 11:19

Tgt Ion:146 Resp: 303416
Ion Ratio Lower Upper
146 100
111 39.2 19.6 58.7
148 63.5 31.8 95.4





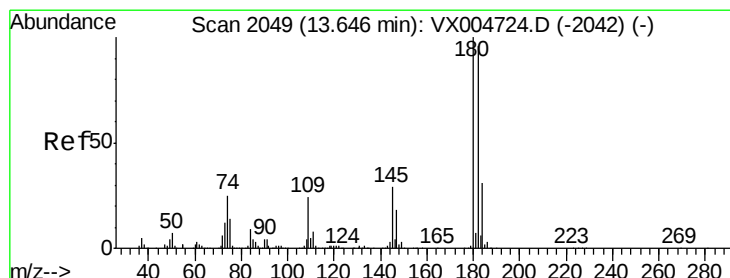
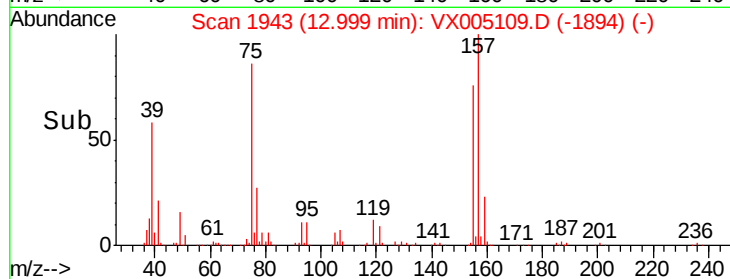
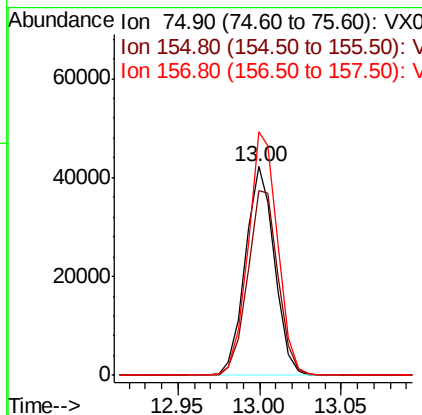
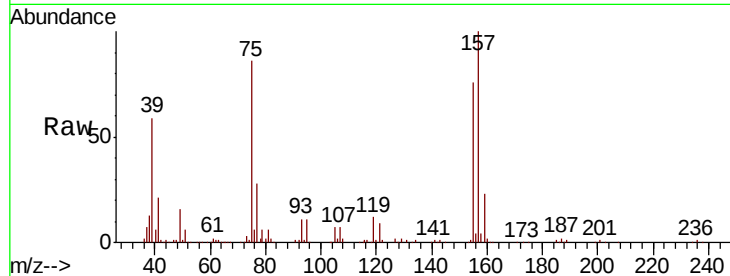
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.530 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	92.1	46.1	138.3
157	118.0	60.2	180.6

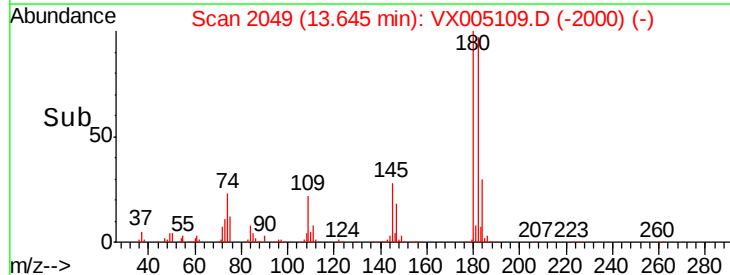
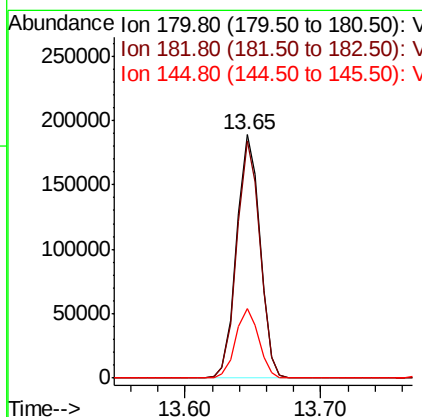
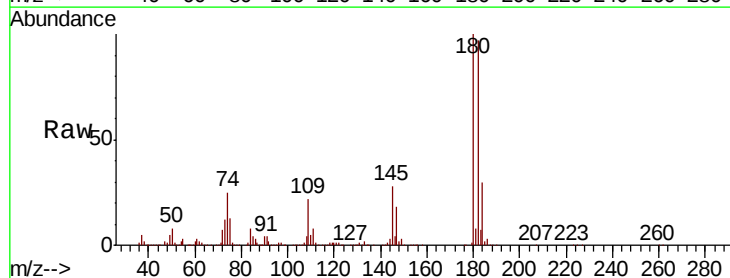
Manual Integrations
 APPROVED

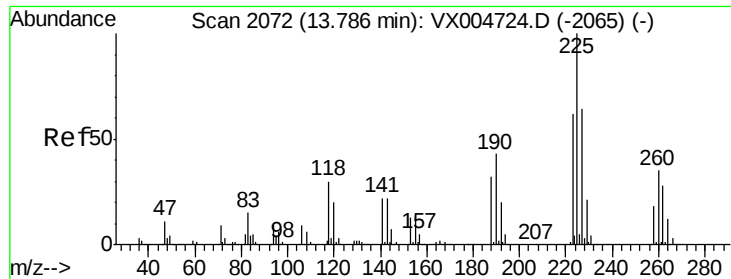
MMDadoda
 10/8/2018 2:02:44 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 51.712 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.8	143.4
145	28.5	14.1	42.4





#94

Hexachlorobutadiene

Concen: 44.902 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Instrument :

MSVOA_X

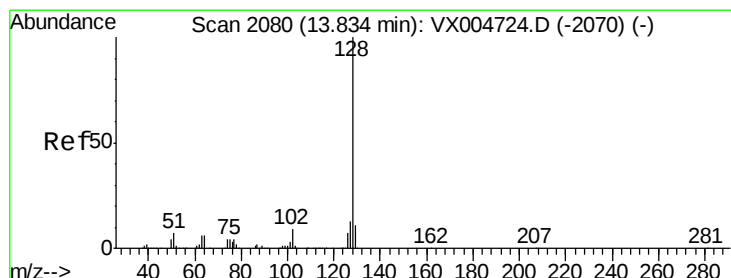
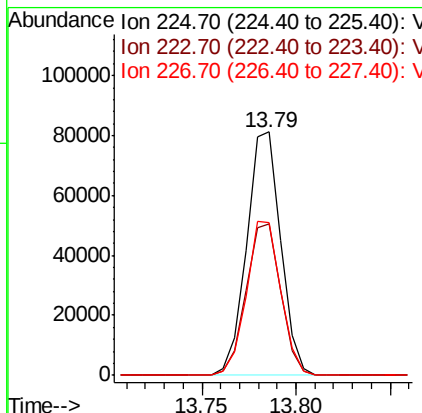
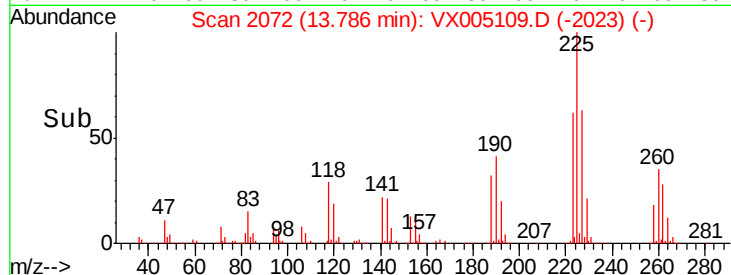
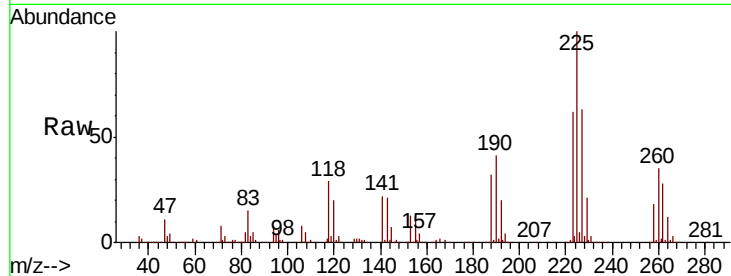
ClientSampleId :

FA18-EX3MSD

Tot Ion:	225	Resp:	101713
Ion Ratio		Lower	Upper
225	100		
223	63.3	31.3	93.8
227	63.6	31.9	95.5

Manual Integrations
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#95

Naphthalene

Concen: 52.793 ug/l

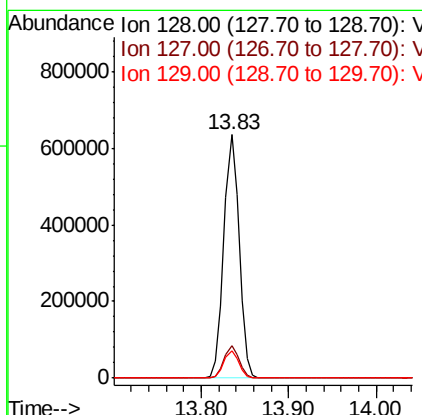
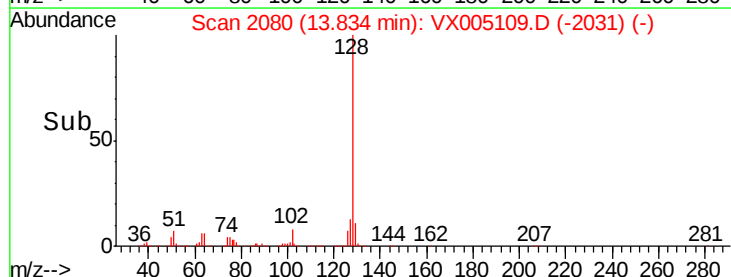
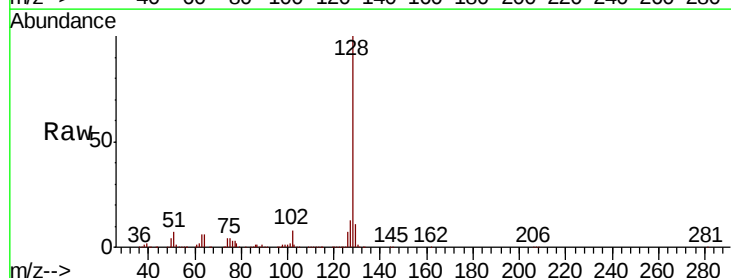
RT: 13.83 min Scan# 2080

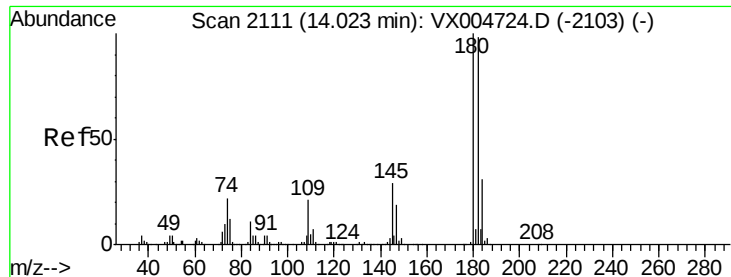
Delta R.T. 0.00 min

Lab File: VX005109.D

Acq: 06 Oct 2018 11:19

Tgt Ion:	128	Resp:	766031
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1





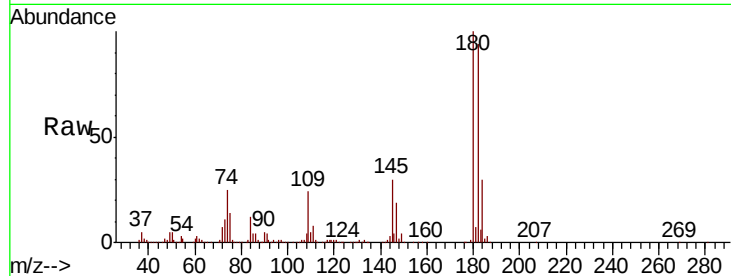
#96
 1,2,3-Trichlorobenzene
 Concen: 52.296 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.01 min
 Lab File: VX005109.D
 Acq: 06 Oct 2018 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-EX3MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.1	47.9	143.8
145	30.7	15.0	45.0

Manual Integrations
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Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

