

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072618\
 Data File : VX003710.D
 Acq On : 27 Jul 2018 10:26
 Operator : JC/SP
 Sample : J4154-05MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MSD

Manual Integrations
 APPROVED

MMDadoda
 7/27/2018 5:41:20 PM

Quant Time: Jul 27 11:00:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 04:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	85995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	135097	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	126805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	92641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	72031	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	
35) Dibromofluoromethane	5.51	113	55345	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	8.72	98	205425	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.14	95	75359	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	55206	56.37	ug/l	100
3) Chloromethane	1.32	50	73342	56.85	ug/l	100
4) Vinyl Chloride	1.40	62	77292	58.57	ug/l	97
5) Bromomethane	1.64	94	41667	65.39	ug/l	94
6) Chloroethane	1.72	64	51636	60.30	ug/l	99
7) Trichlorofluoromethane	1.93	101	102210	60.17	ug/l	98
8) Diethyl Ether	2.19	74	44895	60.32	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	59879	57.28	ug/l	100
10) Methyl Iodide	2.51	142	85320	59.88	ug/l	99
11) Tert butyl alcohol	3.08	59	80292	263.69	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60619	60.94	ug/l	93
13) Acrolein	2.29	56	35300	229.60	ug/l	97
14) Allyl chloride	2.73	41	112858	54.43	ug/l	98
15) Acrylonitrile	3.15	53	212379	288.67	ug/l	100
16) Acetone	2.45	43	176868	295.55	ug/l	97
17) Carbon Disulfide	2.57	76	165042	57.68	ug/l	99
18) Methyl Acetate	2.78	43	83357	46.12	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	213412	60.75	ug/l	96
20) Methylene Chloride	2.86	84	71047	59.92	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	64263	60.08	ug/l	98
22) Diisopropyl ether	3.88	45	212096	56.02	ug/l	94
23) Vinyl Acetate	3.82	43	643410	198.40	ug/l	99
24) 1,1-Dichloroethane	3.70	63	127526	59.77	ug/l	100
25) 2-Butanone	4.71	43	269837	291.87	ug/l	100
26) 2,2-Dichloropropane	4.59	77	33691	24.97	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	68580	59.06	ug/l	93
28) Bromochloromethane	5.02	49	48219	56.31	ug/l	98
29) Tetrahydrofuran	5.17	42	160705	267.03	ug/l	98
30) Chloroform	5.22	83	107606	55.60	ug/l	98
31) Cyclohexane	5.57	56	91769	53.58	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	88445	55.03	ug/l	97
36) 1,1-Dichloropropene	5.80	75	77172	48.87	ug/l	98
37) Ethyl Acetate	4.87	43	73912	38.93	ug/l	99
38) Carbon Tetrachloride	5.79	117	75829	49.82	ug/l	94

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 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 04:33:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	81409	46.83	ug/l	99
40) Benzene	6.15	78	296738	63.50	ug/l	96
41) Methacrylonitrile	5.07	41	55571	52.85	ug/l	99
42) 1,2-Dichloroethane	6.20	62	88057	53.54	ug/l	99
43) Isopropyl Acetate	6.47	43	121052	43.70	ug/l	99
44) Trichloroethene	7.21	130	57237	45.68	ug/l	96
45) 1,2-Dichloropropane	7.52	63	60907	50.42	ug/l	99
46) Dibromomethane	7.67	93	40663	52.40	ug/l	98
47) Bromodichloromethane	7.90	83	80837	55.56	ug/l	98
48) Methyl methacrylate	7.78	41	72015	51.23	ug/l	95
49) 1,4-Dioxane	7.76	88	26363	840.64	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	463969	248.24	ug/l	98
52) Toluene	8.79	92	142583	49.09	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	78289	44.17	ug/l	98
54) cis-1,3-Dichloropropene	9.04	75	73954	45.91	ug/l	94
55) 1,1,2-Trichloroethane	9.22	97	59077	49.76	ug/l	97
56) Ethyl methacrylate	9.18	69	91274	51.66	ug/l	96
57) 1,3-Dichloropropane	9.37	76	99807	50.06	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.25	63	296	0.33	ug/l #	48
59) 2-Hexanone	9.50	43	357961	249.68	ug/l	98
60) Dibromochloromethane	9.59	129	58573	52.01	ug/l	100
61) 1,2-Dibromoethane	9.68	107	61461	49.71	ug/l	100
64) Tetrachloroethene	9.34	164	48780	42.08	ug/l	97
65) Chlorobenzene	10.14	112	158291	49.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	56841	51.23	ug/l	99
67) Ethyl Benzene	10.26	91	292520	54.76	ug/l	100
68) m/p-Xylenes	10.36	106	215644	105.23	ug/l	100
69) o-Xylene	10.70	106	101996	51.70	ug/l	99
70) Styrene	10.71	104	173007	52.20	ug/l	99
71) Bromoform	10.86	173	45169	51.49	ug/l #	99
73) Isopropylbenzene	11.02	105	276431	43.67	ug/l	99
74) N-amyl acetate	6.47	43	121052	36.67	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	96826	41.42	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	91562m	47.12	ug/l	
77) Bromobenzene	11.26	156	71104	41.36	ug/l	97
78) n-propylbenzene	11.36	91	321293	43.96	ug/l	99
79) 2-Chlorotoluene	11.42	91	191016	43.00	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	233162	43.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	20985	33.46	ug/l	95
82) 4-Chlorotoluene	11.51	91	224277	42.86	ug/l	100
83) tert-Butylbenzene	11.77	119	243378	46.45	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	265631	48.26	ug/l	100
85) sec-Butylbenzene	11.95	105	323265	51.69	ug/l	100
86) p-Isopropyltoluene	12.07	119	283863	50.57	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	159721	49.89	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	160189	48.12	ug/l	100
89) n-Butylbenzene	12.39	91	234438	46.34	ug/l	100
90) Hexachloroethane	12.60	117	45328	53.32	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	156711	47.91	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	23577	48.46	ug/l	99

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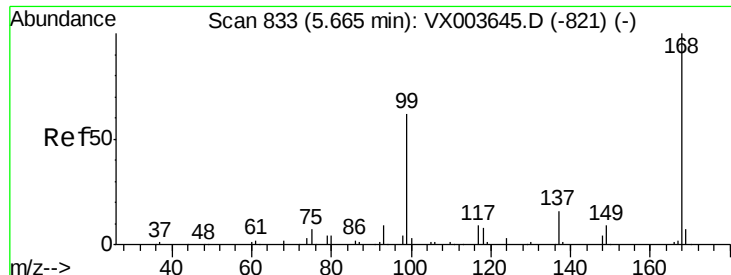
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	102550	43.94	ug/l	100
94) Hexachlorobutadiene	13.79	225	42123	39.01	ug/l	100
95) Naphthalene	13.84	128	320143	45.35	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	101691	42.89	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampled :

FL-0506MSD

Tot Ion:168 Resp: 85995

Ion Ratio Lower Upper

168 100

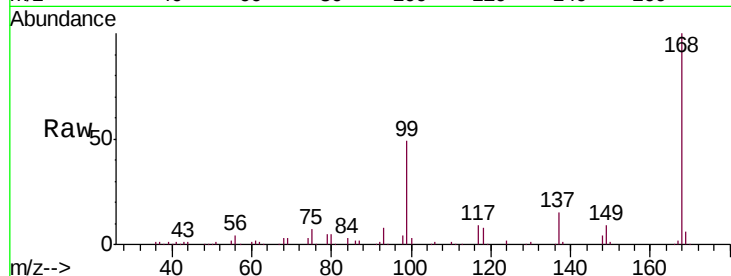
99 48.3 49.5 74.3#

Manual Integrations

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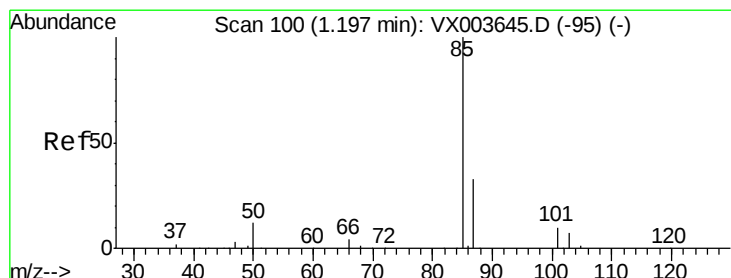
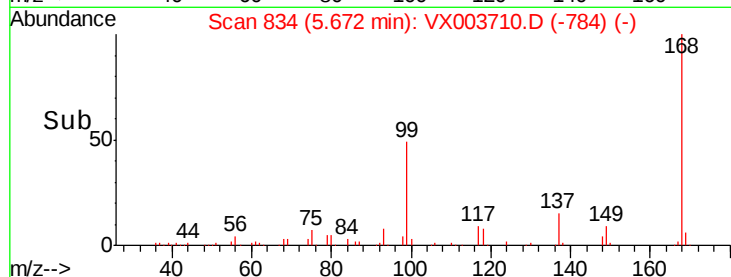
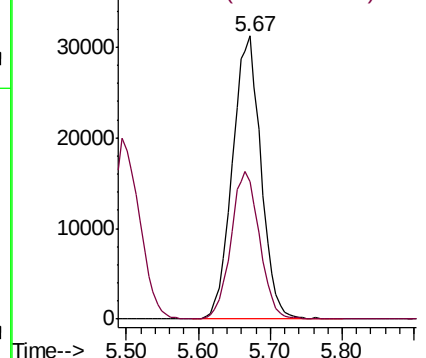
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 56.37 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003710.D

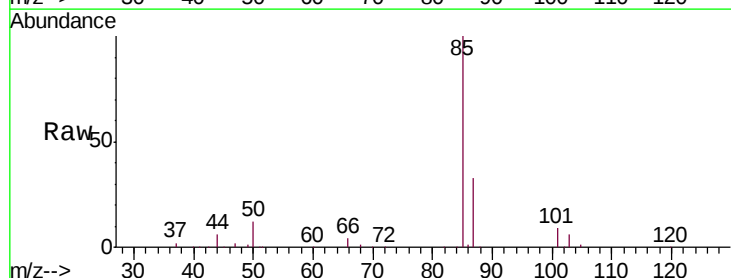
Acq: 27 Jul 2018 10:26

Tgt Ion: 85 Resp: 55206

Ion Ratio Lower Upper

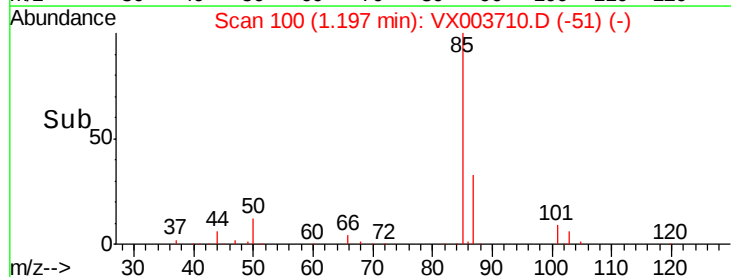
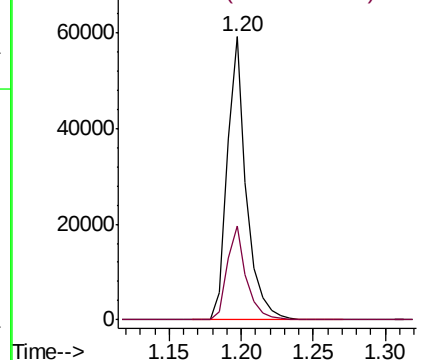
85 100

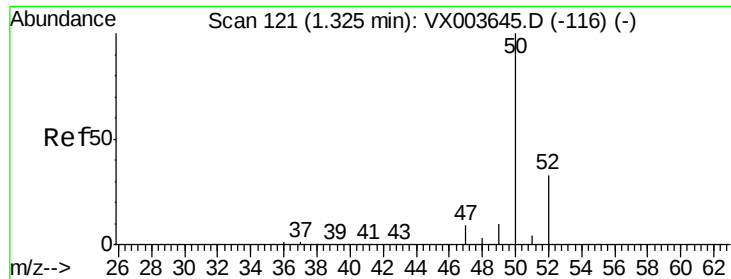
87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 56.85 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampled :

FL-0506MSD

Tot Ion: 50 Resp: 73342

Ion Ratio Lower Upper

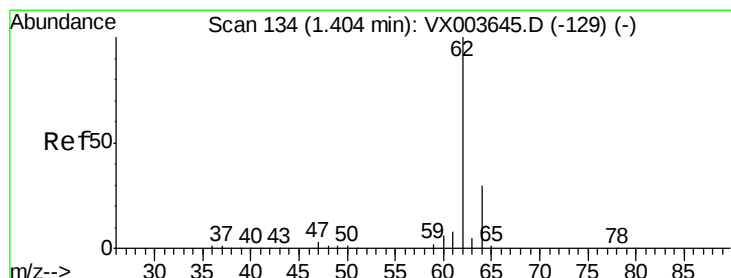
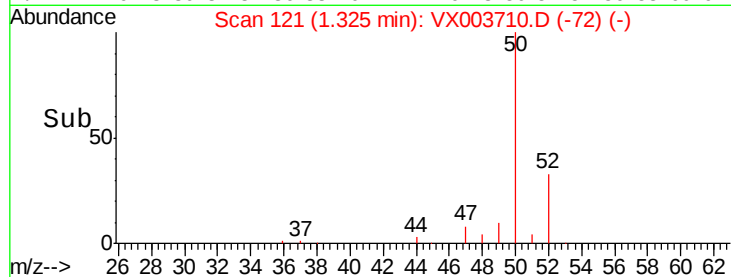
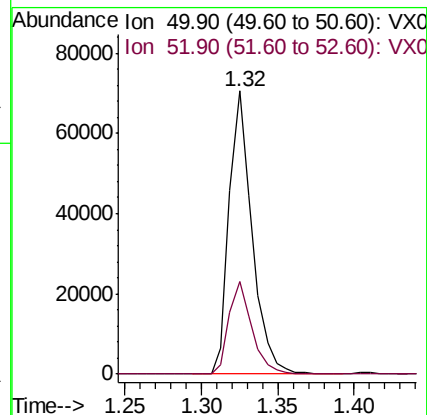
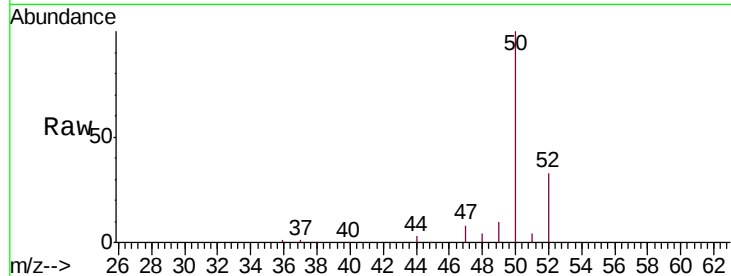
50 100

52 32.8 26.3 39.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 58.57 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003710.D

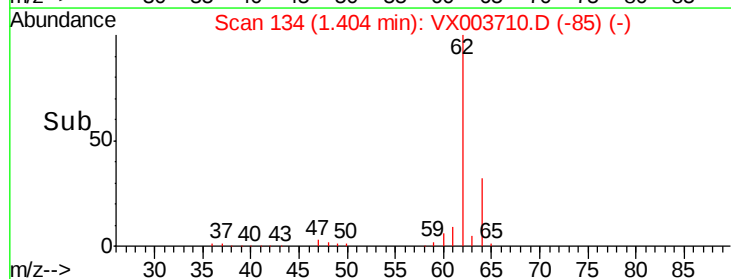
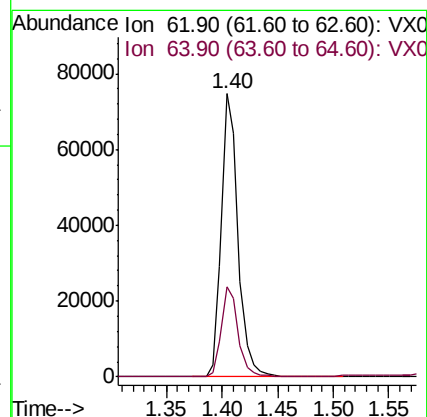
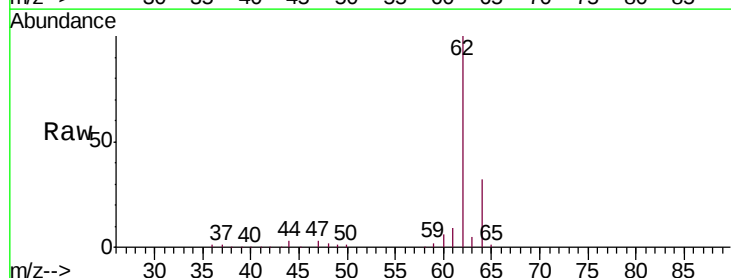
Acq: 27 Jul 2018 10:26

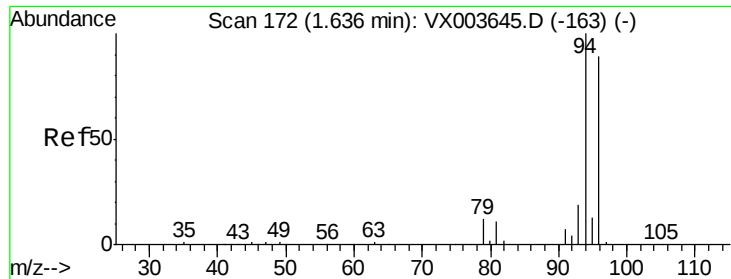
Tgt Ion: 62 Resp: 77292

Ion Ratio Lower Upper

62 100

64 32.0 24.4 36.6





#5

Bromomethane

Concen: 65.39 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MSD

Tot Ion: 94 Resp: 41667

Ion Ratio Lower Upper

94 100

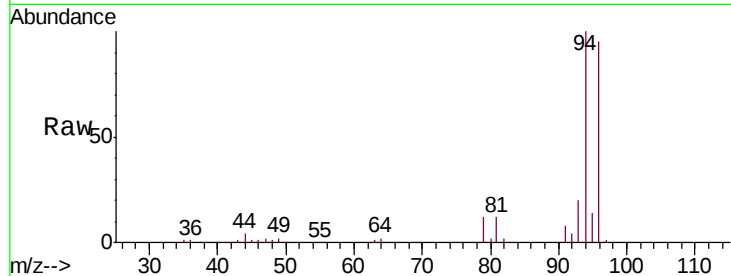
96 94.7 71.3 106.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

30000

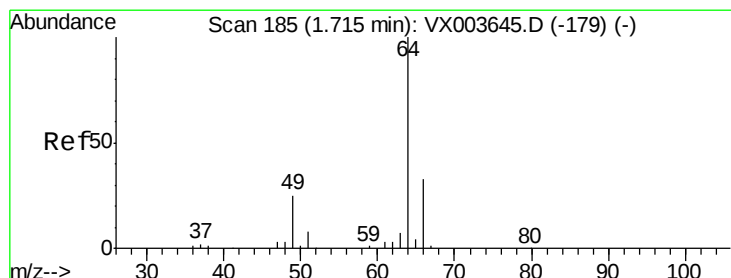
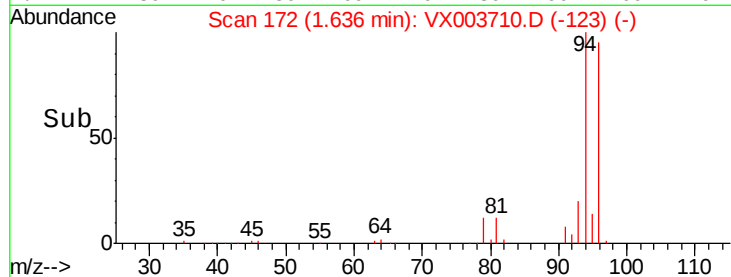
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 60.30 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003710.D

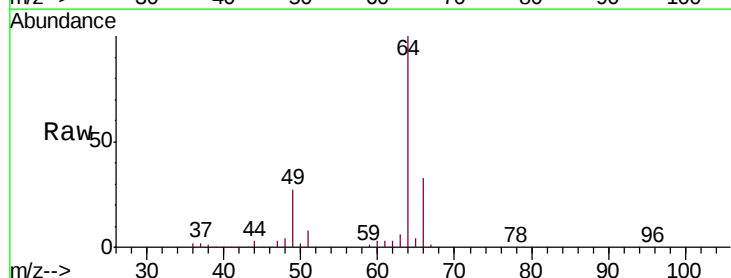
Acq: 27 Jul 2018 10:26

Tgt Ion: 64 Resp: 51636

Ion Ratio Lower Upper

64 100

66 33.3 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

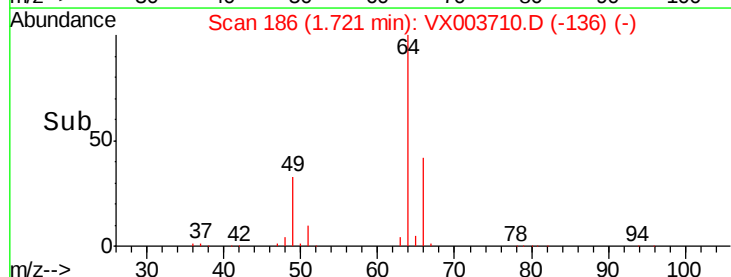
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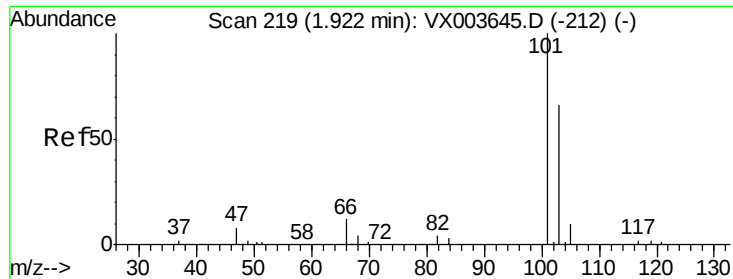
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Time-->

1.65 1.70 1.75 1.80





#7

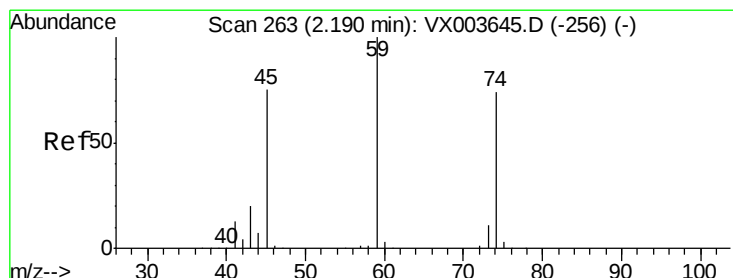
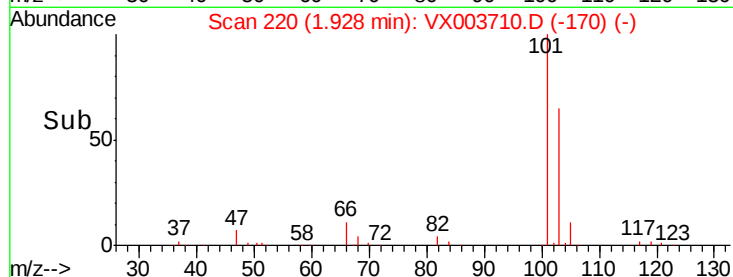
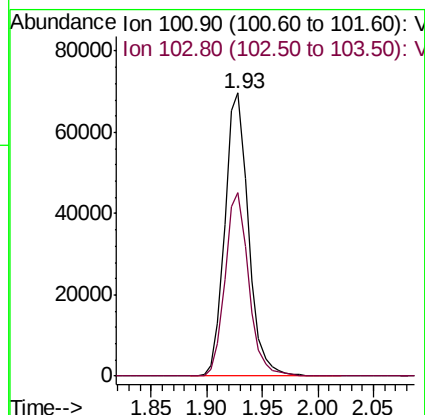
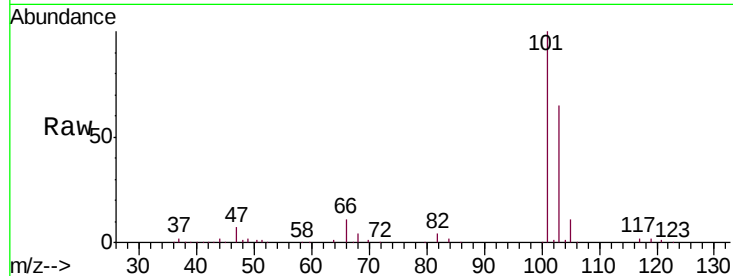
Trichlorofluoromethane
Concen: 60.17 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.2	79.8

Manual Integrations
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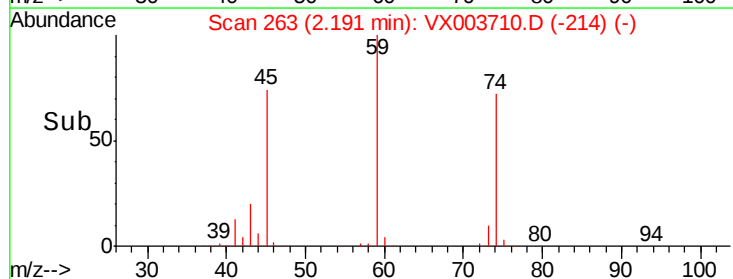
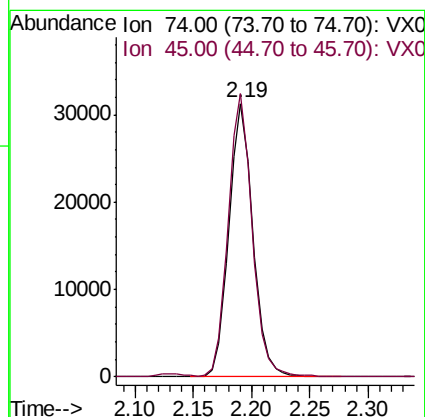
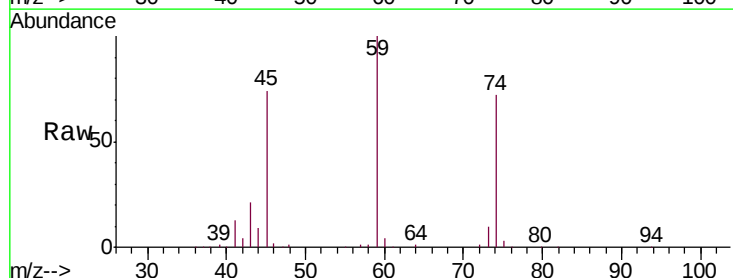
MMDadoda
7/27/2018 5:41:20 PM

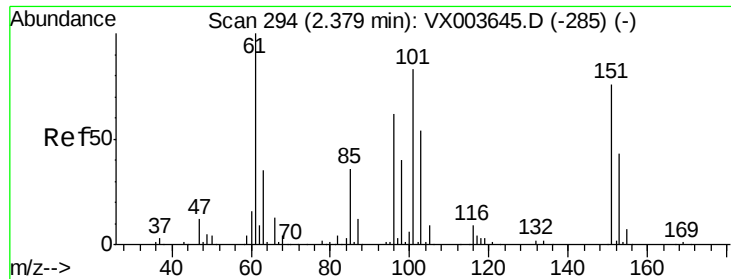


#8

Diethyl Ether
Concen: 60.32 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	51.0	153.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.28 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

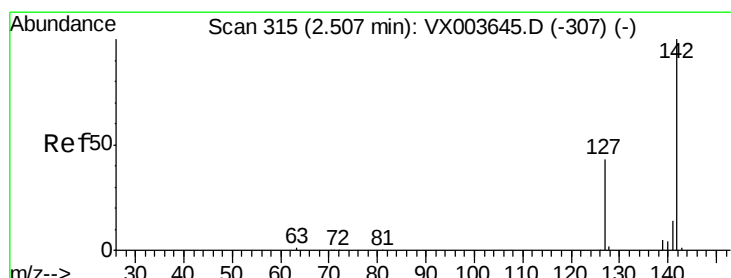
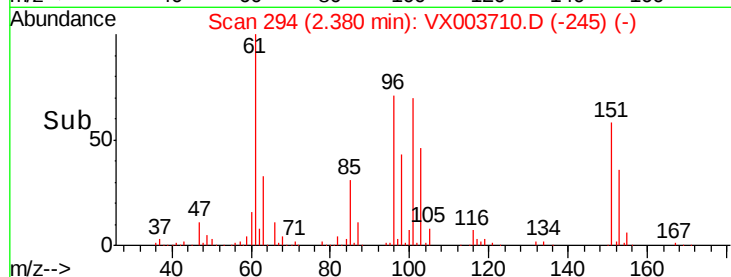
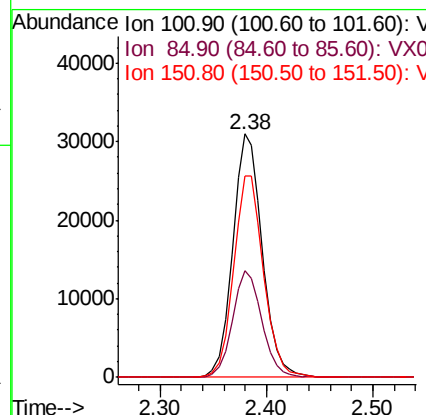
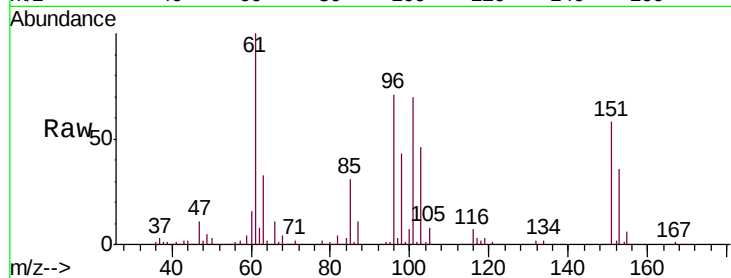
ClientSampleId :

FL-0506MSD

Tot Ion:	101	Resp:	59879
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.6	52.0
151	84.2	67.5	101.3

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#10

Methyl Iodide

Concen: 59.88 ug/l

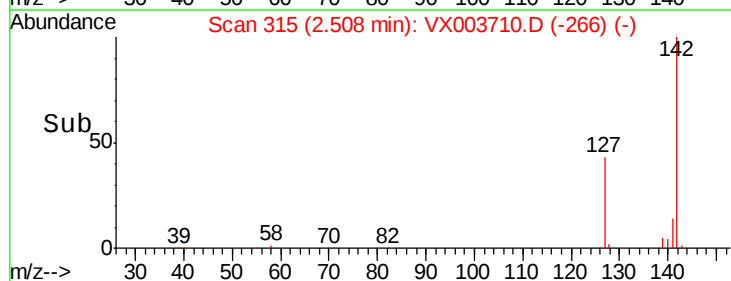
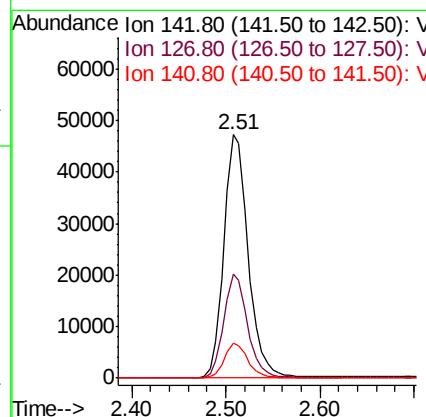
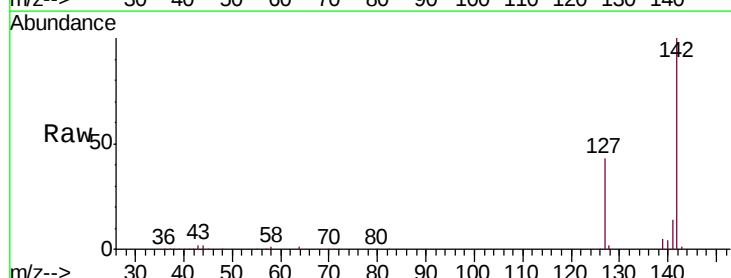
RT: 2.51 min Scan# 315

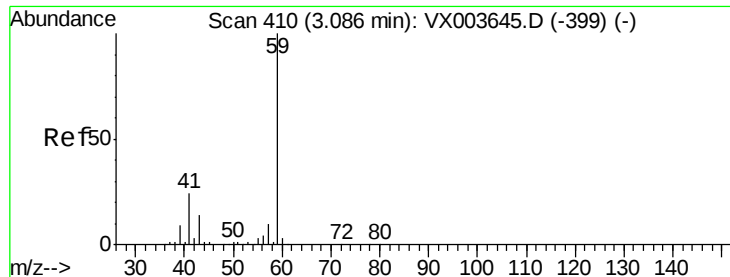
Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:	142	Resp:	85320
Ion Ratio	Lower	Upper	
142	100		
127	41.9	34.0	51.0
141	14.0	11.3	16.9





#11

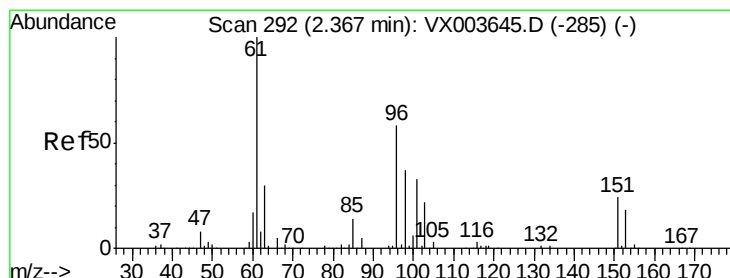
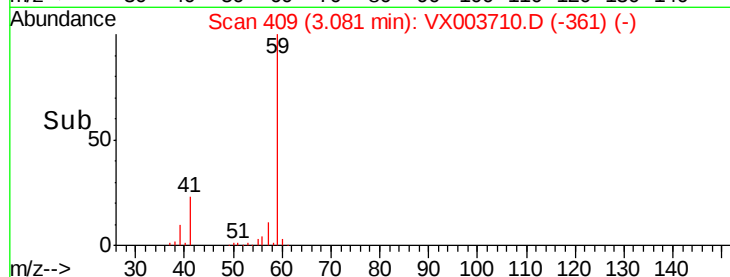
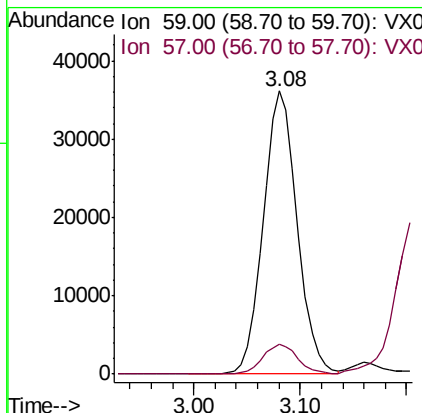
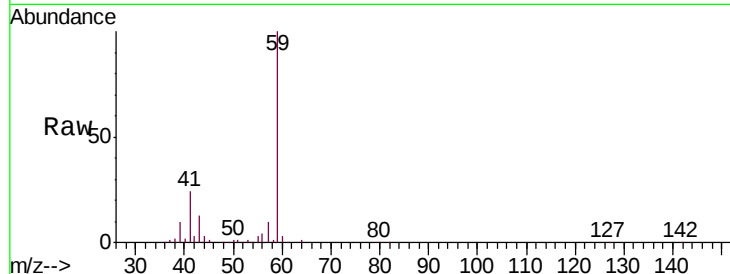
Tert butyl alcohol
 Concen: 263.69 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MSD

Tot Ion	59	57	Ratio	100	10.7	Resp	80292	Lower	Upper
59	100								
57		10.7					8.2	12.4	

Manual Integrations
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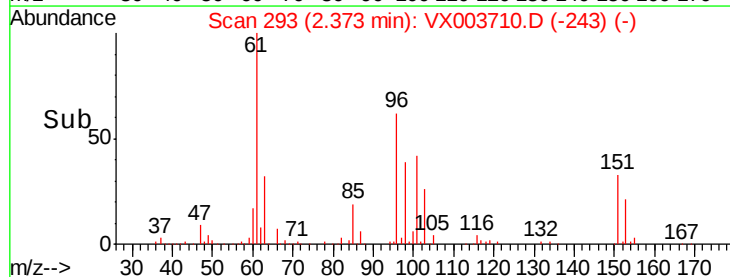
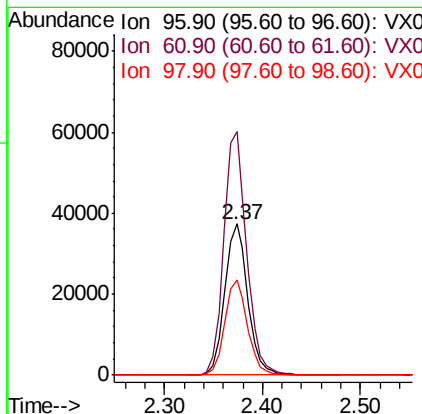
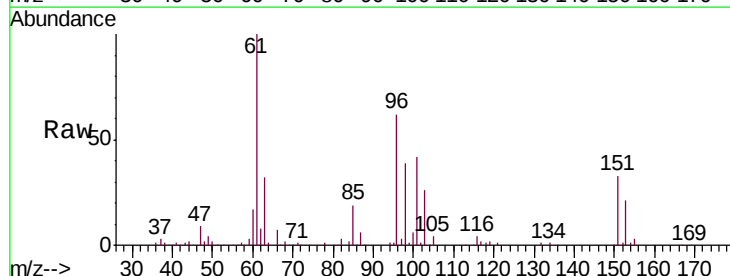
MMDadoda
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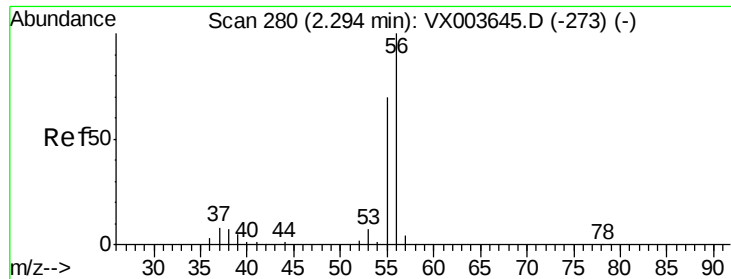


#12

1,1-Dichloroethene
 Concen: 60.94 ug/l
 RT: 2.37 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Tgt Ion	96	61	98	Ratio	100	161.4	63.0	Resp	60619	Lower	Upper
96	100										
61		161.4								138.8	208.2
98		63.0								51.4	77.2





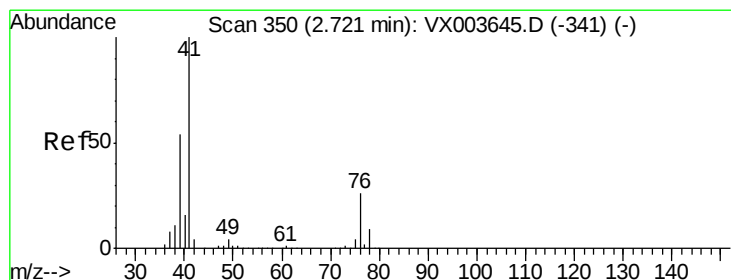
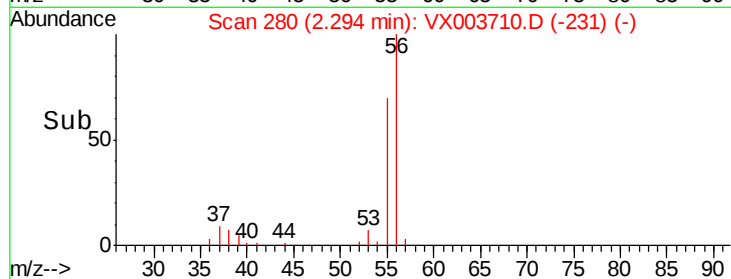
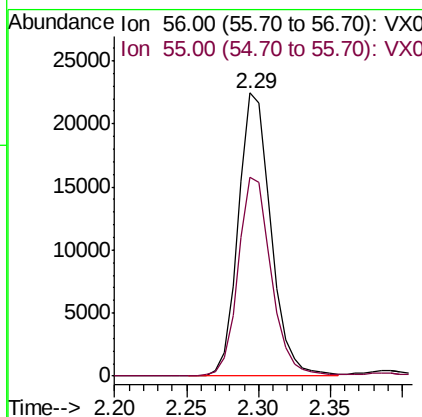
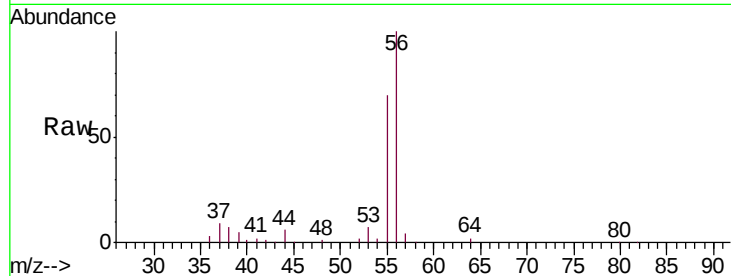
#13
Acrolein
Concen: 229.60 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion	56	55	Ratio	100	71.4	Resp	35300	Lower	55.4	Upper	83.2
Ion	56	55	Ratio	100	71.4	Resp	35300	Lower	55.4	Upper	83.2

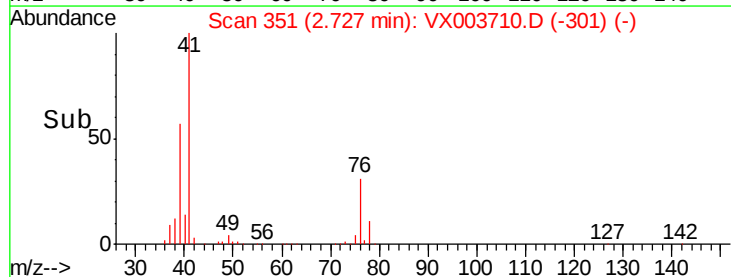
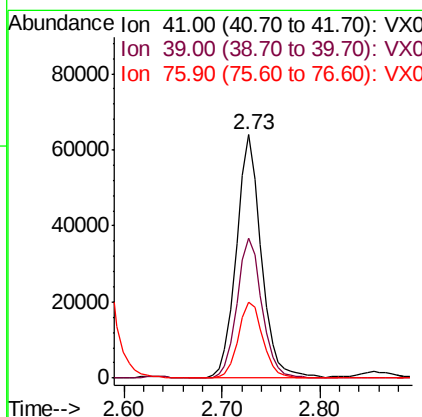
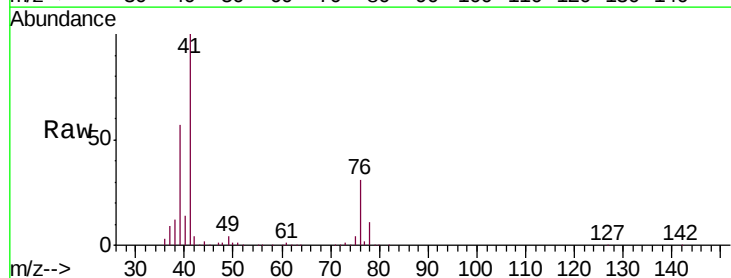
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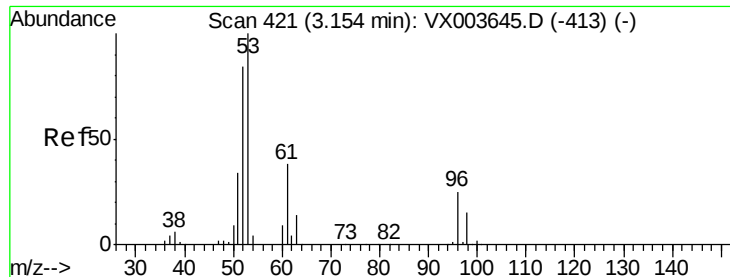
MMDadoda
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#14
Allyl chloride
Concen: 54.43 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.01 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	41	39	76	Ratio	100	57.6	31.1	Resp	112858	Lower	45.3	23.8	Upper	67.9	35.6
Ion	41	39	76	Ratio	100	57.6	31.1	Resp	112858	Lower	45.3	23.8	Upper	67.9	35.6





#15

Acrylonitrile

Concen: 288.67 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

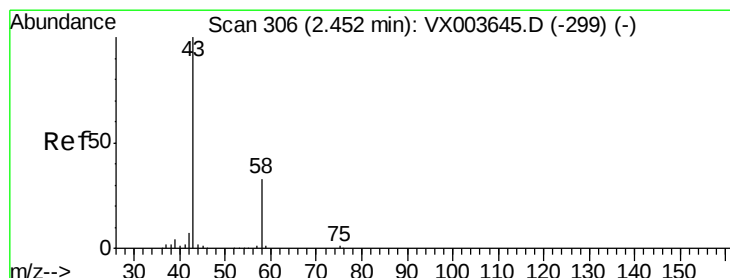
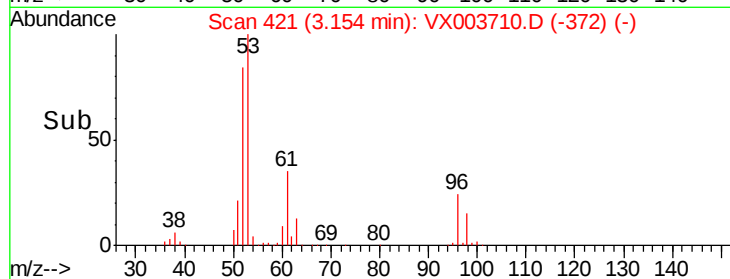
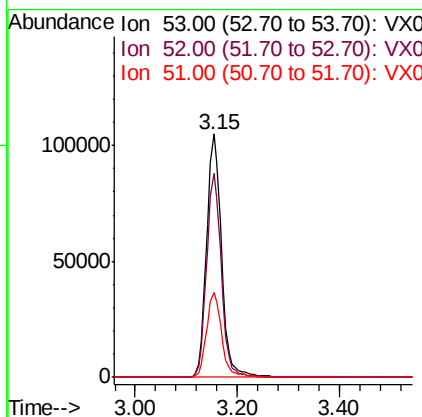
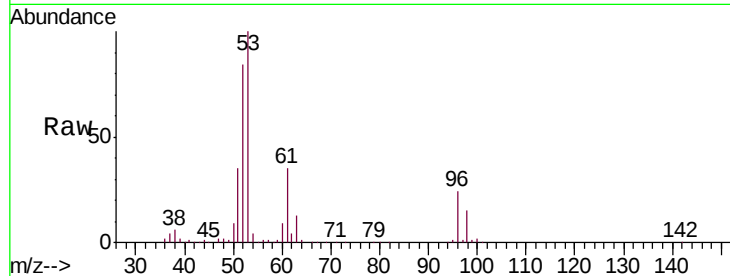
ClientSampled :

FL-0506MSD

Tot Ion:	53	Resp:	212379
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.1	99.1
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 295.55 ug/l

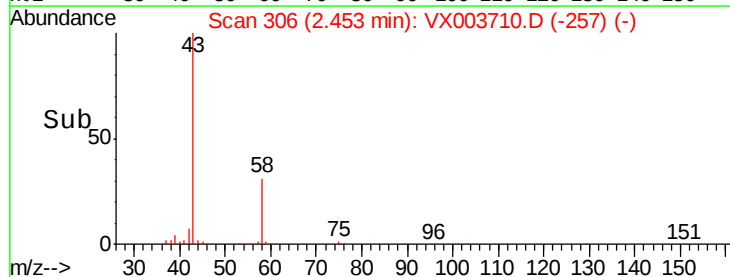
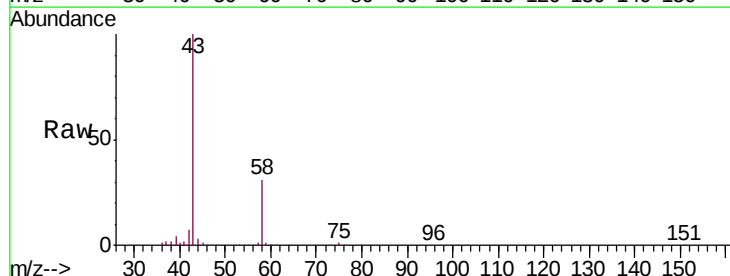
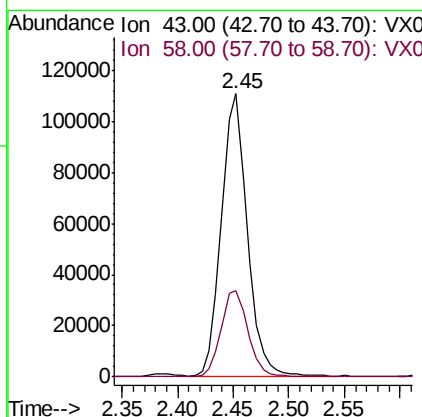
RT: 2.45 min Scan# 306

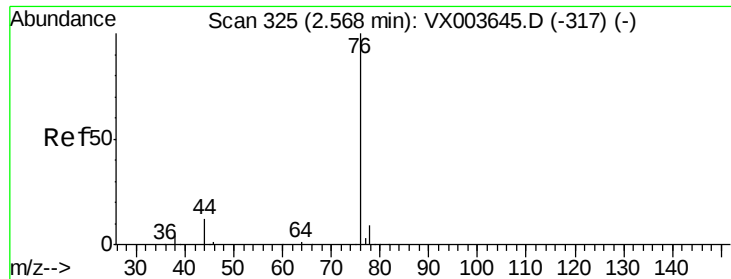
Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:	43	Resp:	176868
Ion	Ratio	Lower	Upper
43	100		
58	30.7	26.1	39.1





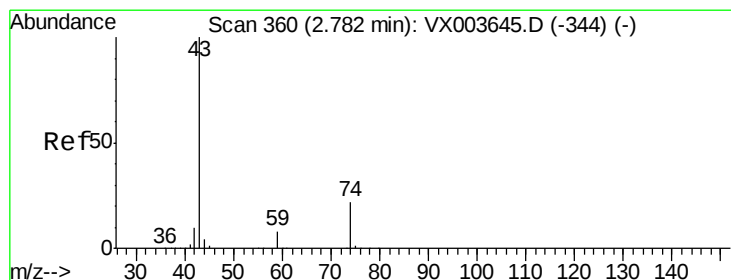
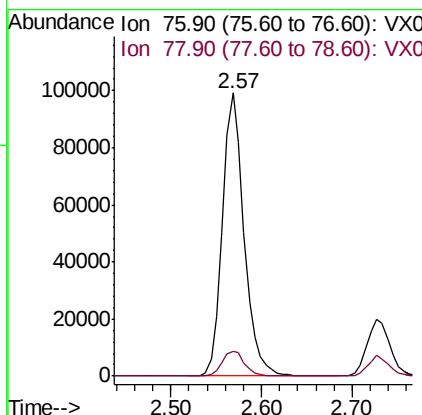
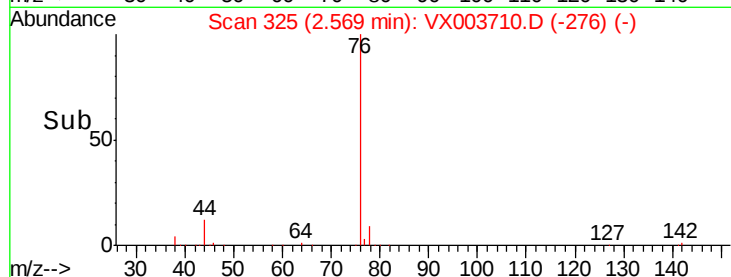
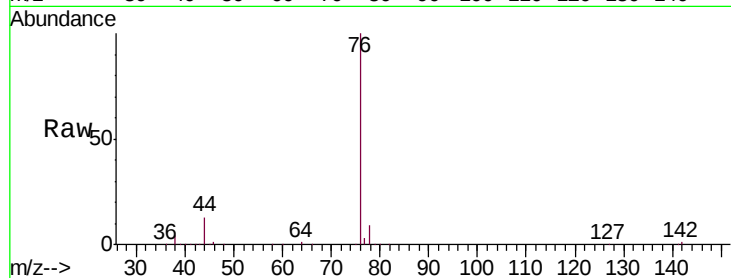
#17
Carbon Disulfide
Concen: 57.68 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

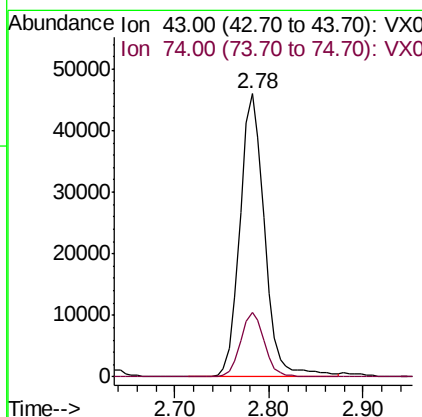
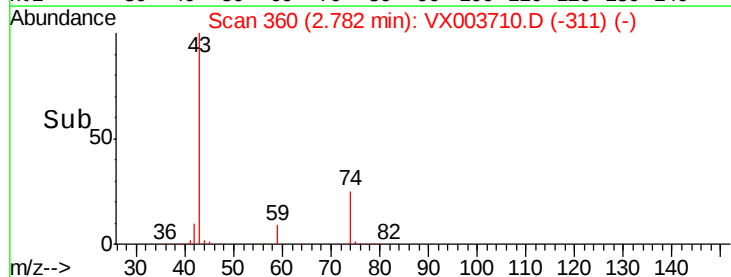
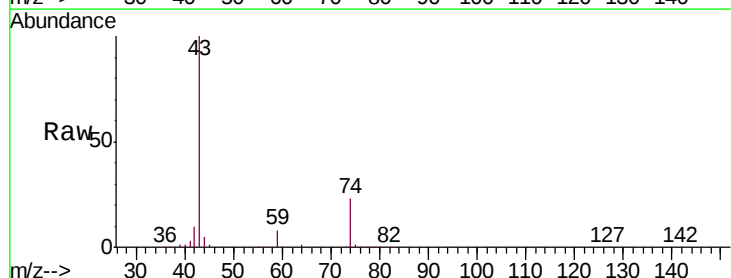
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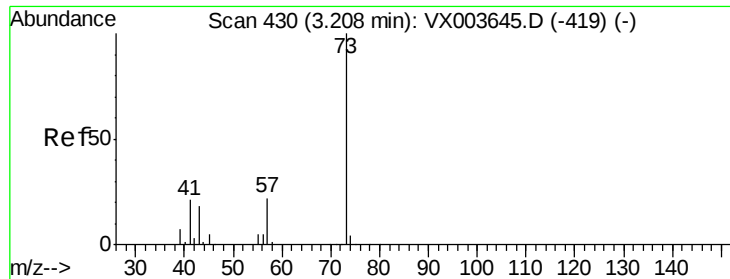
MMDadoda
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#18
Methyl Acetate
Concen: 46.12 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.8	26.8





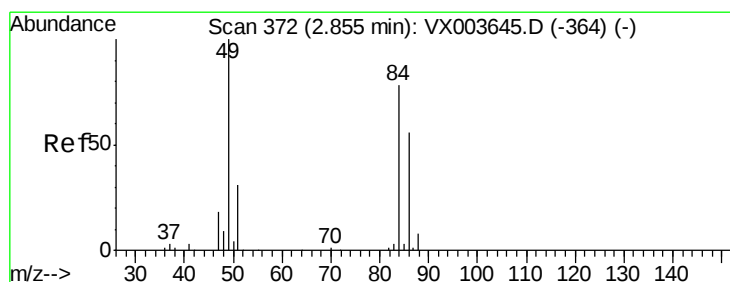
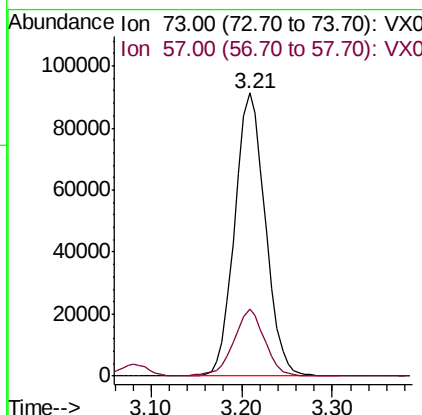
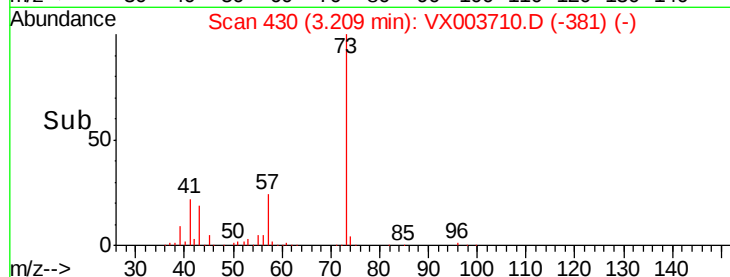
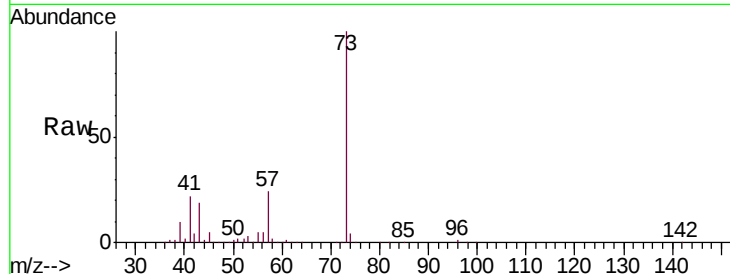
#19
Methvl tert-butvl Ether
Concen: 60.75 ug/l
RT: 3.21 min Scan# 430
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion: 73 Resp: 213412
Ion Ratio Lower Upper
73 100
57 23.9 17.4 26.2

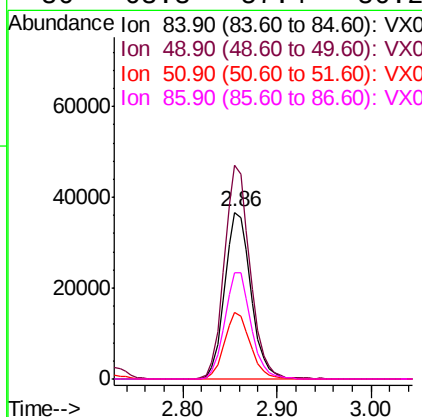
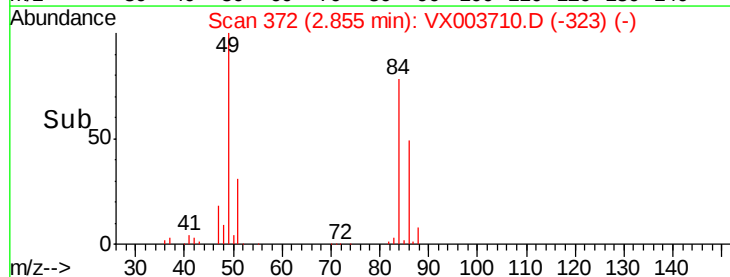
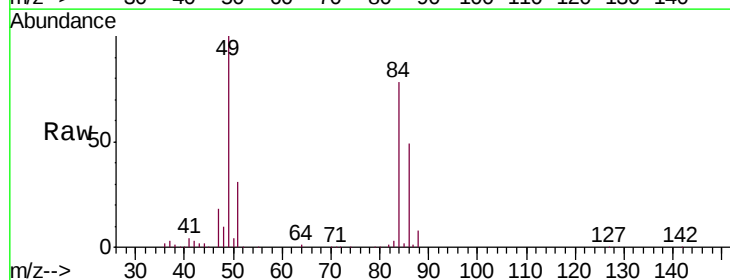
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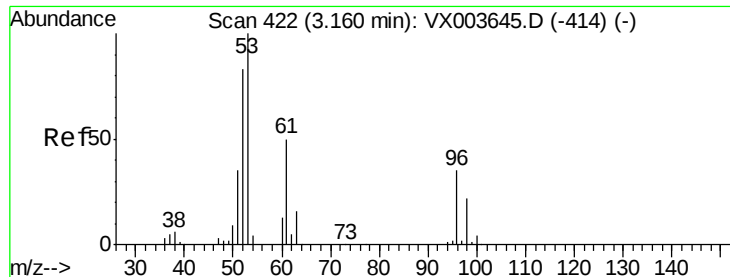
MMDadoda
7/27/2018 5:41:20 PM



#20
Methylene Chloride
Concen: 59.92 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion: 84 Resp: 71047
Ion Ratio Lower Upper
84 100
49 128.0 102.3 153.5
51 40.1 31.8 47.8
86 63.3 57.4 86.2





#21

trans-1,2-Dichloroethene

Concen: 60.08 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.01 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

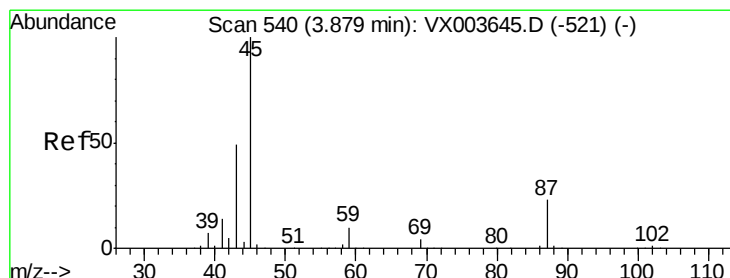
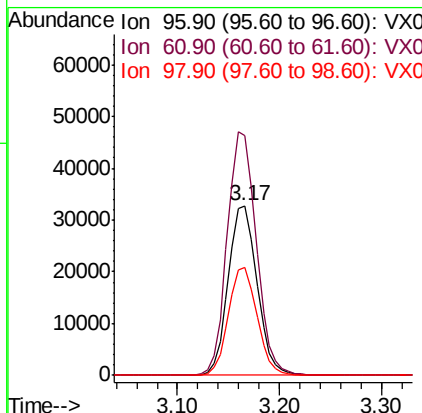
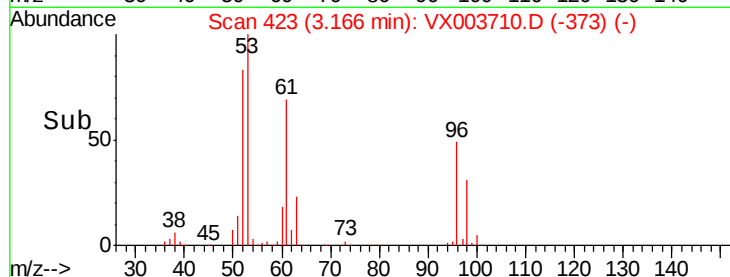
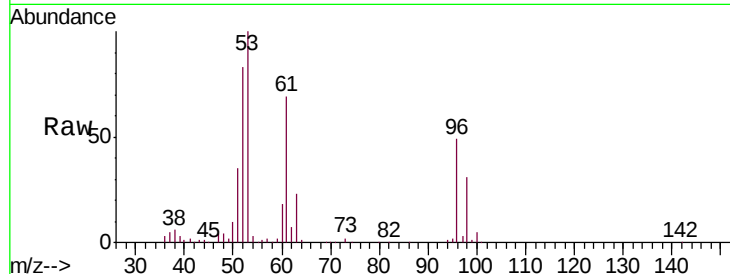
ClientSampleId :

FL-0506MSD

Tot Ion:	96	Resp:	64263
Ion	Ratio	Lower	Upper
96	100		
61	141.4	115.0	172.4
98	63.9	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.02 ug/l

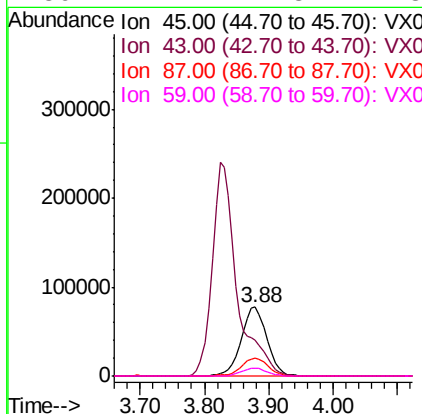
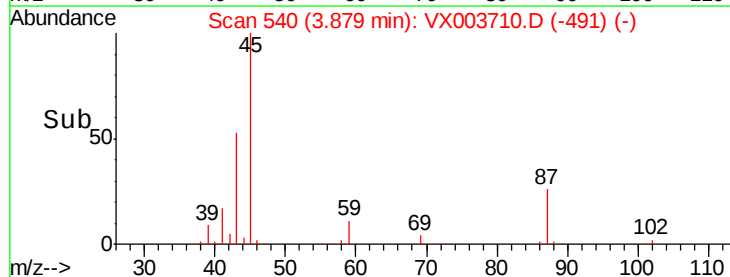
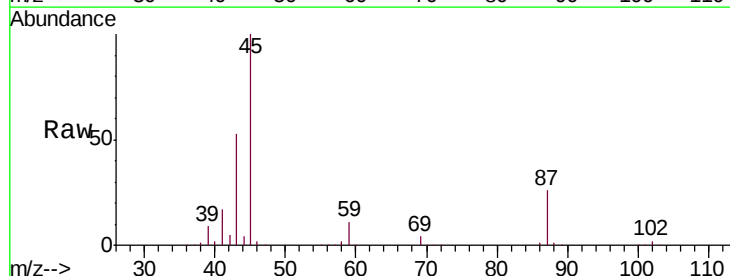
RT: 3.88 min Scan# 540

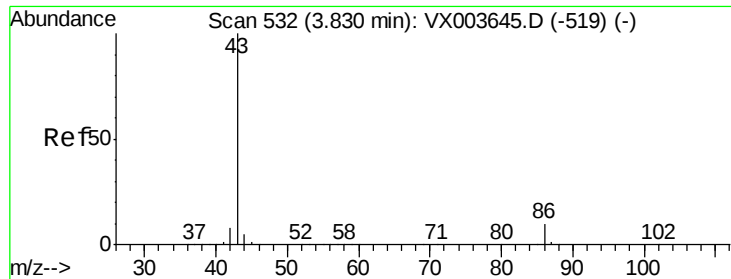
Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:	45	Resp:	212096
Ion	Ratio	Lower	Upper
45	100		
43	52.4	39.0	58.4
87	26.2	18.4	27.6
59	11.4	7.8	11.8





#23

Vinyl Acetate

Concen: 198.40 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.01 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampled :

FL-0506MSD

Tot Ion: 43 Resp: 643410

Ion Ratio Lower Upper

43 100

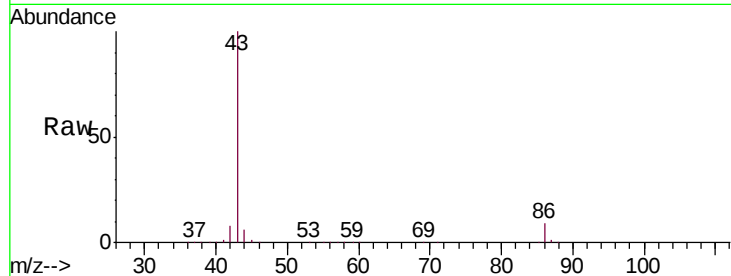
86 9.4 7.7 11.5

Manual Integrations

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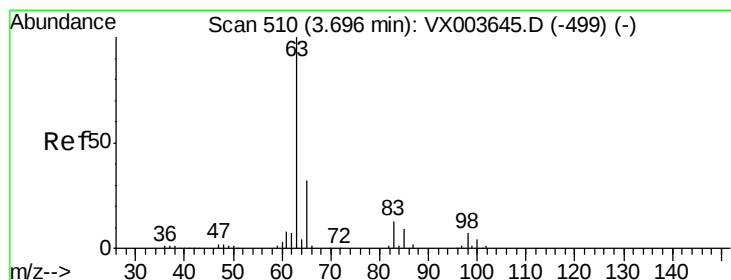
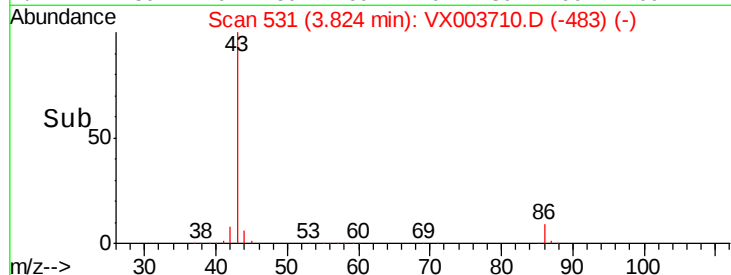
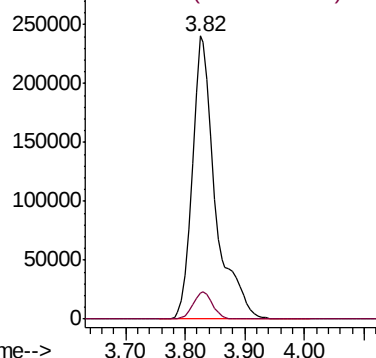
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 59.77 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

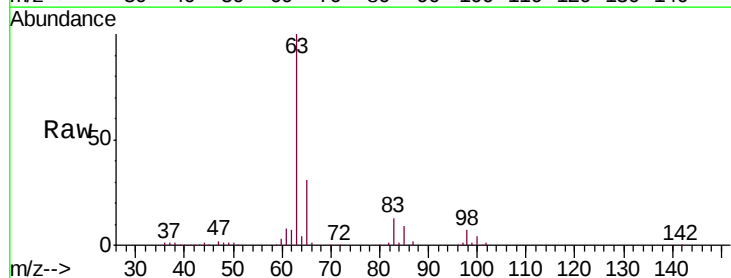
Tgt Ion: 63 Resp: 127526

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

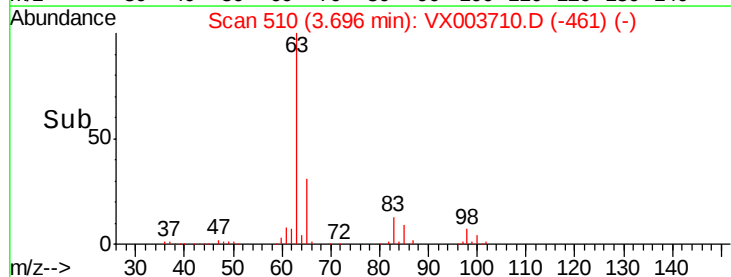
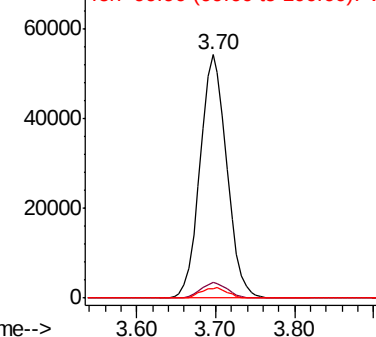
100 4.0 2.1 6.3

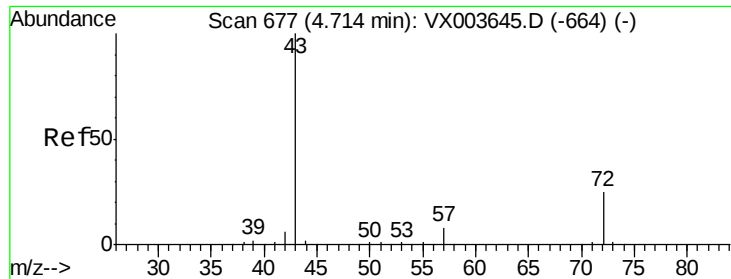


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 291.87 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MSD

Tot Ion: 43 Resp: 269837

Ion Ratio Lower Upper

43 100

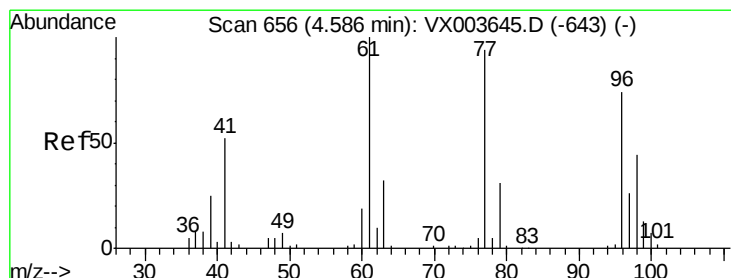
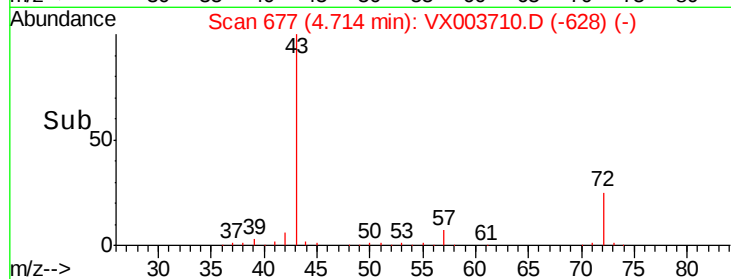
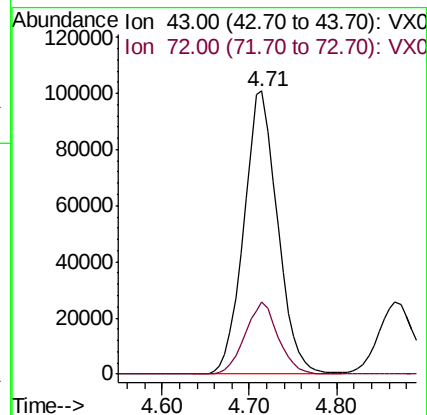
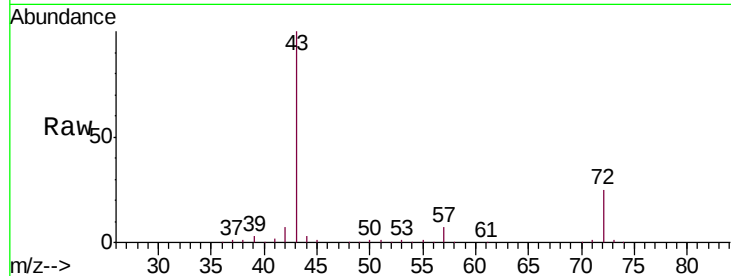
72 25.3 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.97 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003710.D

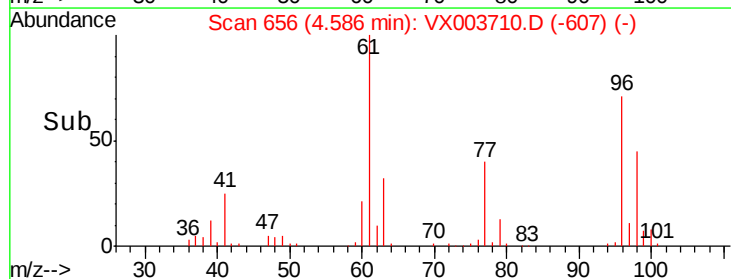
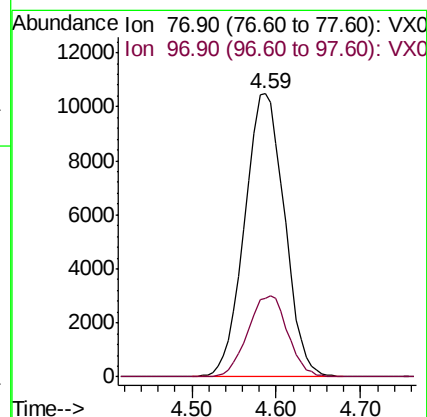
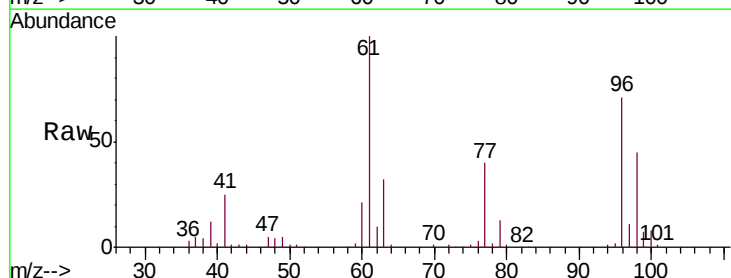
Acq: 27 Jul 2018 10:26

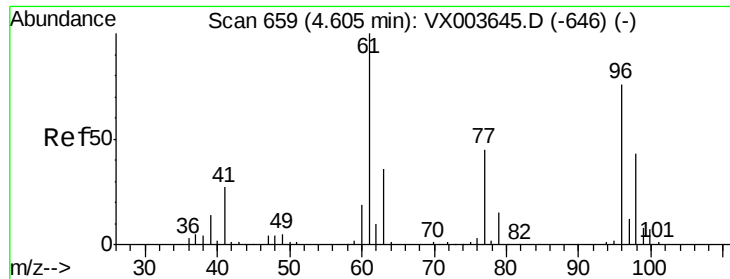
Tgt Ion: 77 Resp: 33691

Ion Ratio Lower Upper

77 100

97 28.6 12.0 36.0





#27

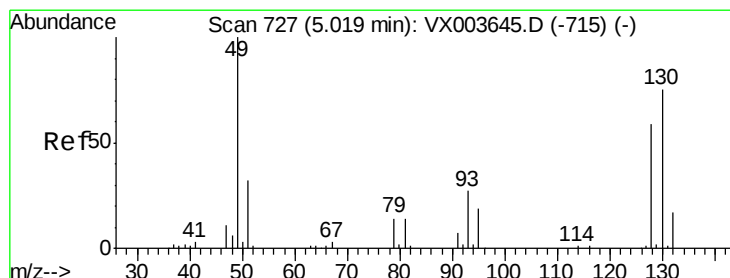
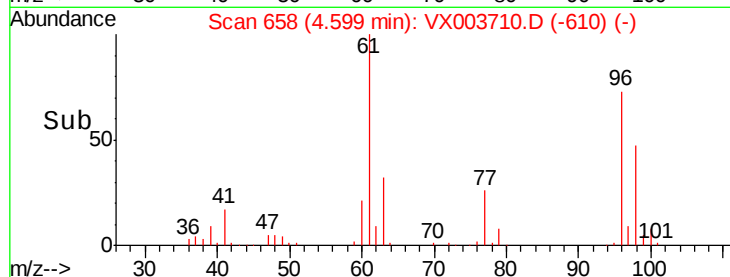
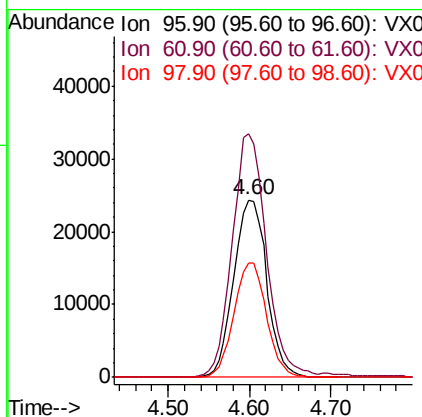
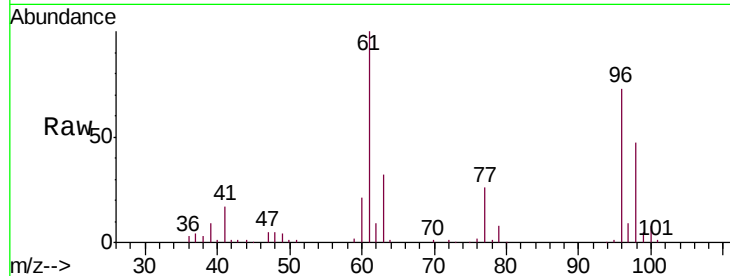
cis-1,2-Dichloroethene
Concen: 59.06 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.01 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	313.6
98	63.5	0.0	125.6

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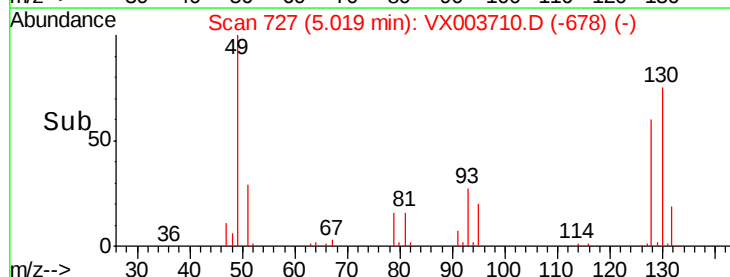
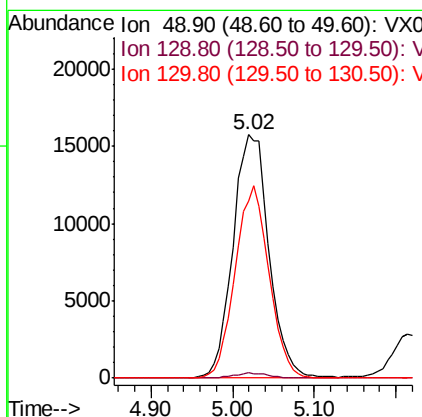
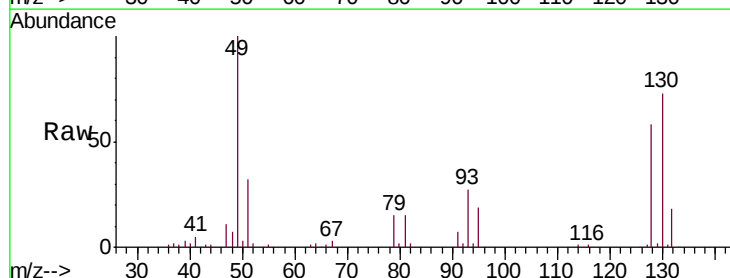
MMDadoda
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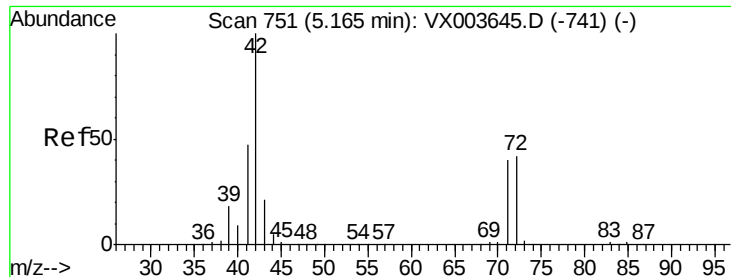


#28

Bromochloromethane
Concen: 56.31 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	74.2	61.0	91.6





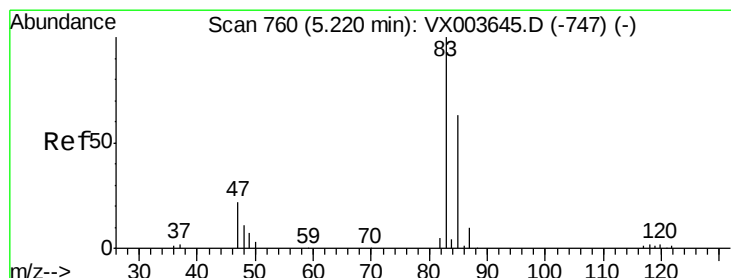
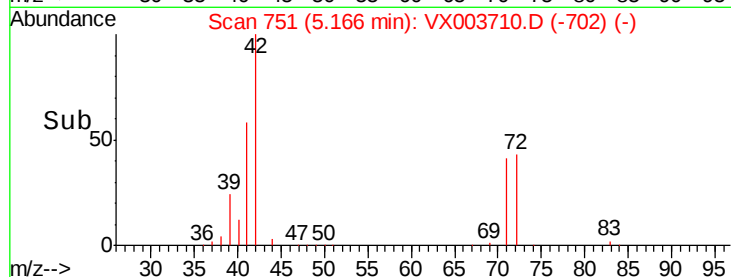
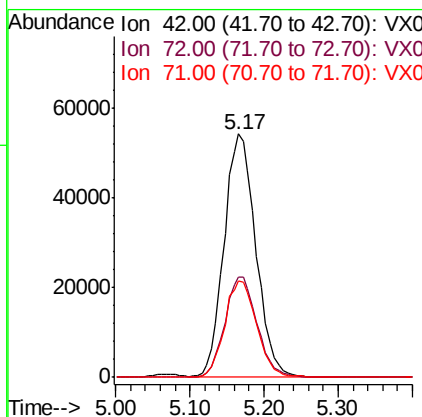
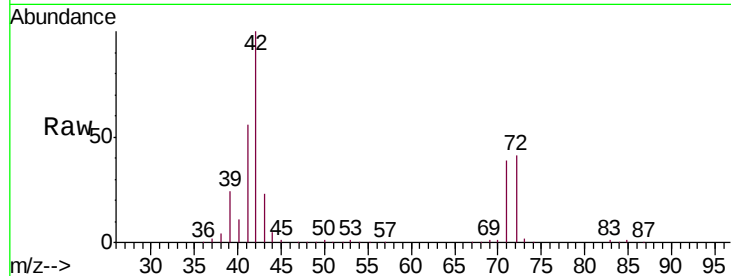
#29
Tetrahydrofuran
Concen: 267.03 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.4	50.0
71	40.4	31.0	46.6

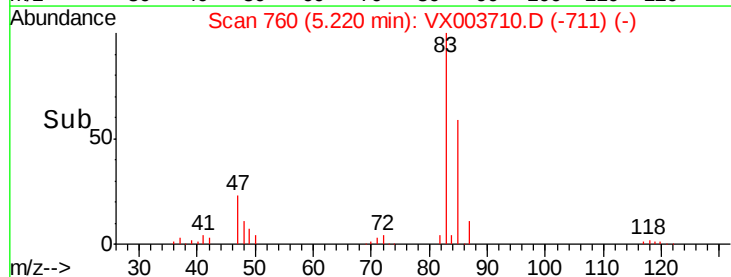
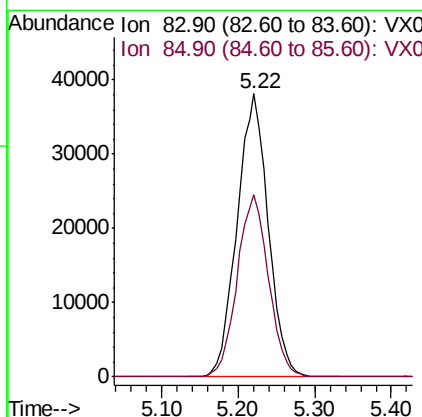
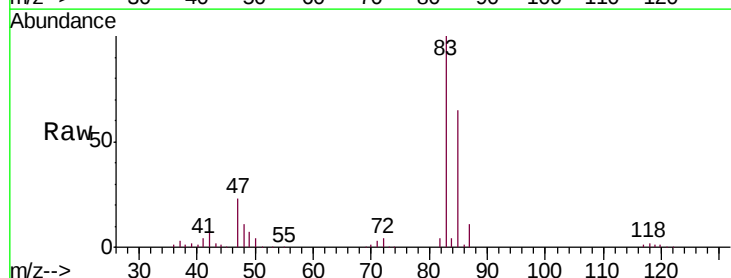
Manual Integrations
APPROVED

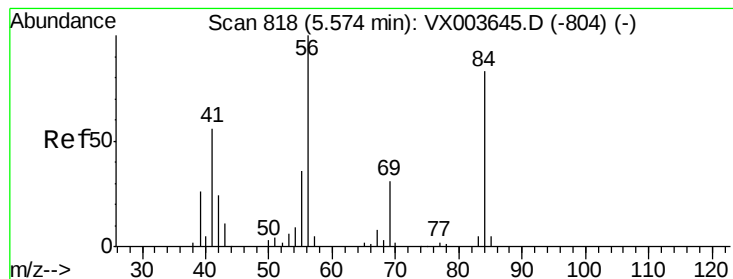
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#30
Chloroform
Concen: 55.60 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.2	75.4





#31

Cyclohexane

Concen: 53.58 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

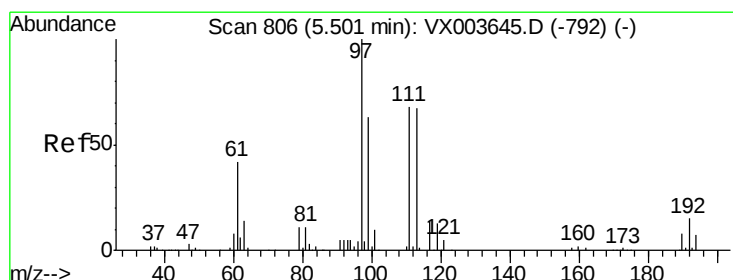
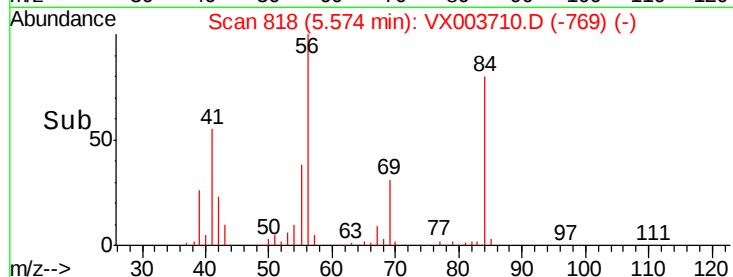
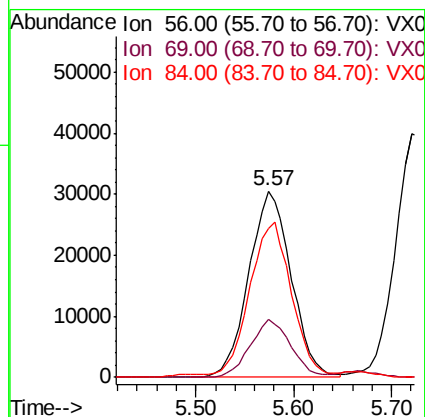
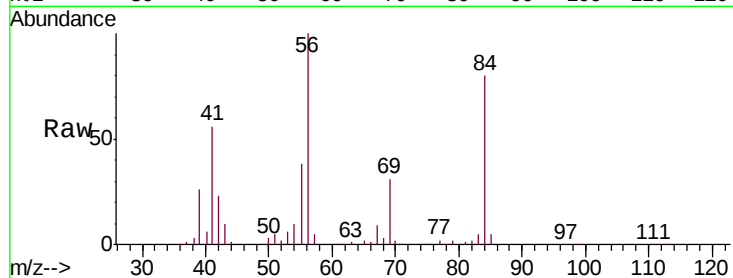
ClientSampled :

FL-0506MSD

Tot Ion:	56	Resp:	91769
Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.0	37.6
84	78.6	66.5	99.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 55.03 ug/l

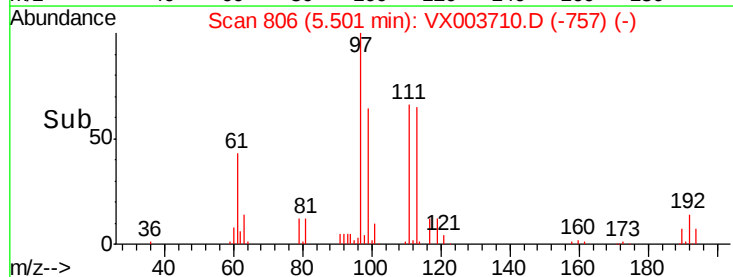
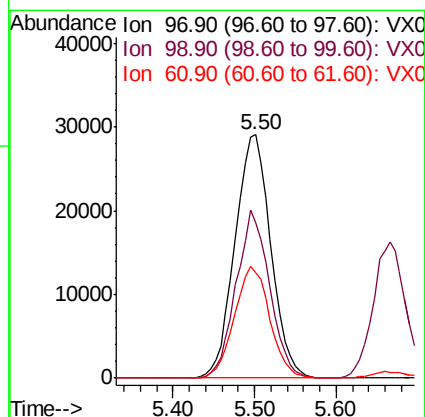
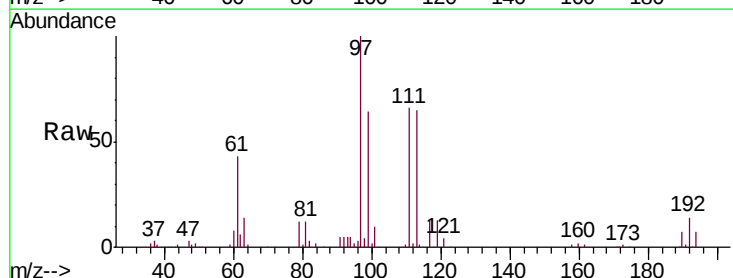
RT: 5.50 min Scan# 806

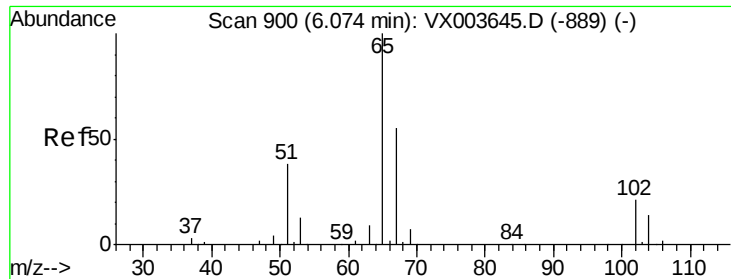
Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:	97	Resp:	88445
Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.4	75.6
61	45.4	34.5	51.7





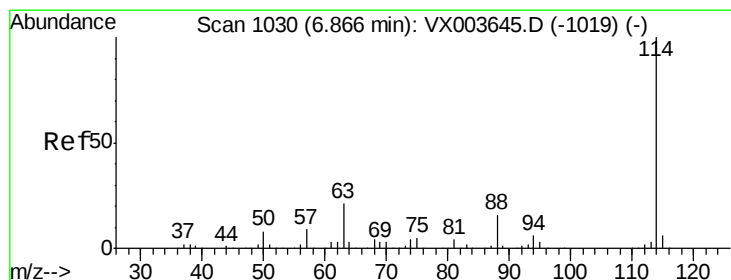
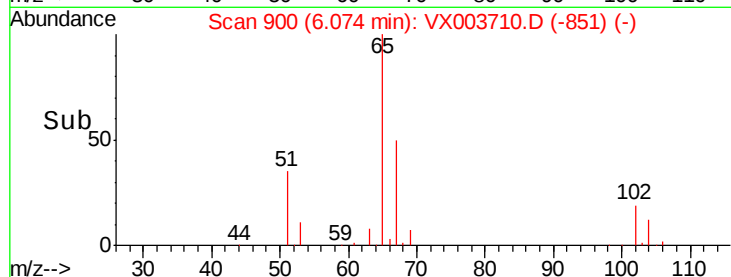
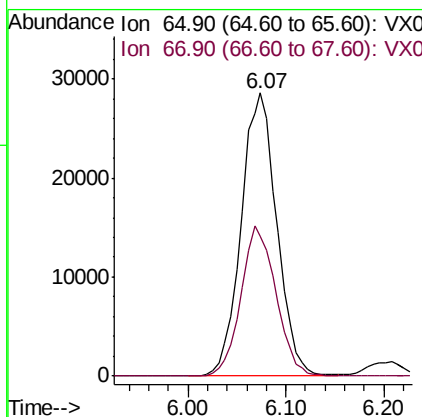
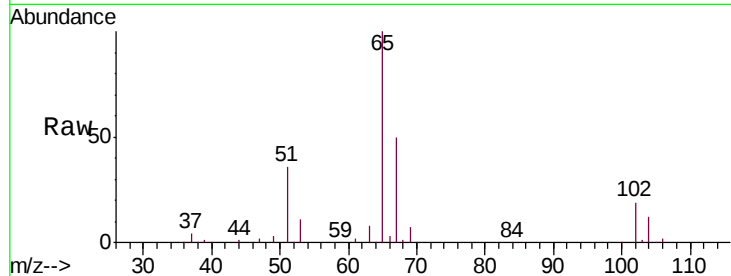
#33
 1,2-Dichloroethane-d4
 Concen: 56.55 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.8

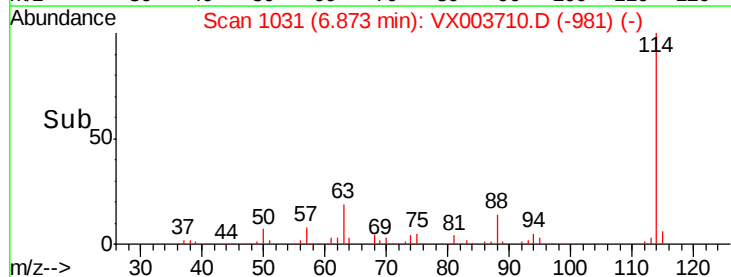
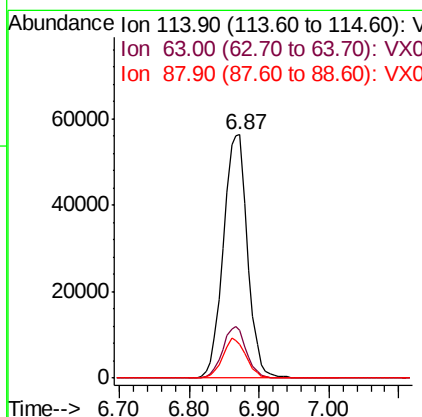
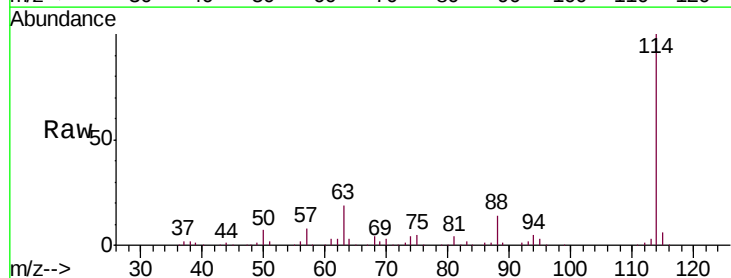
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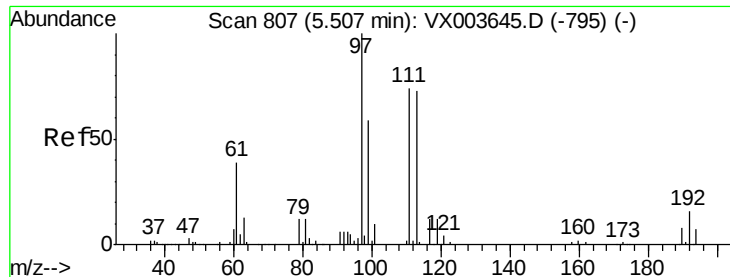
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	41.0
88	13.7	0.0	31.8





#35

Dibromofluoromethane

Concen: 50.11 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

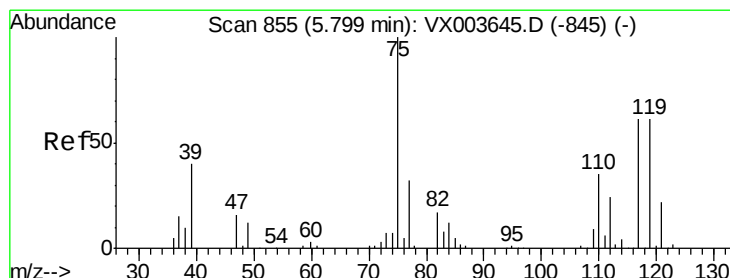
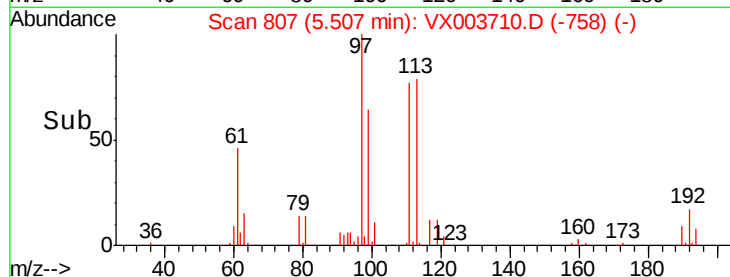
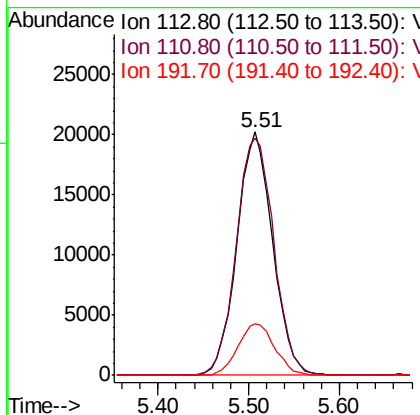
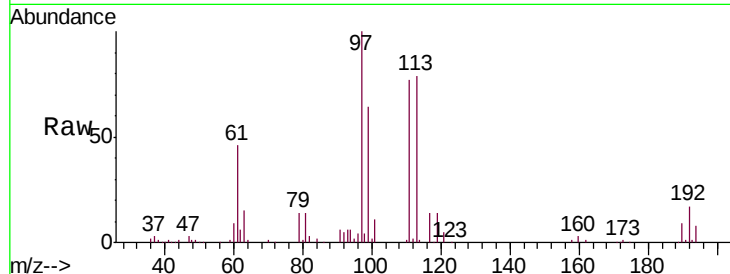
ClientSampled :

FL-0506MSD

Tot Ion:	113	Resp:	55345
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.2	121.8
192	21.7	18.2	27.4

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#36

1,1-Dichloropropene

Concen: 48.87 ug/l

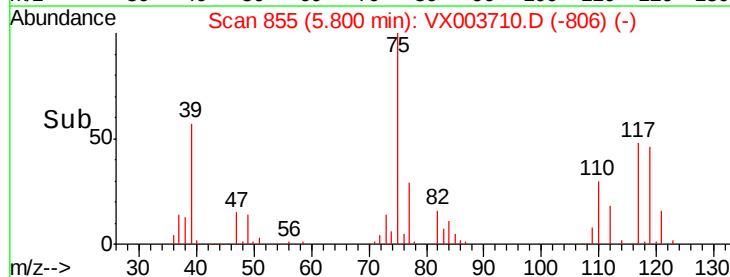
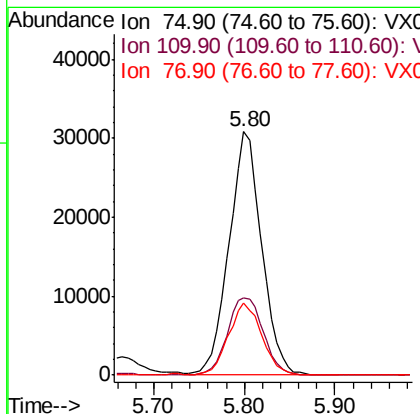
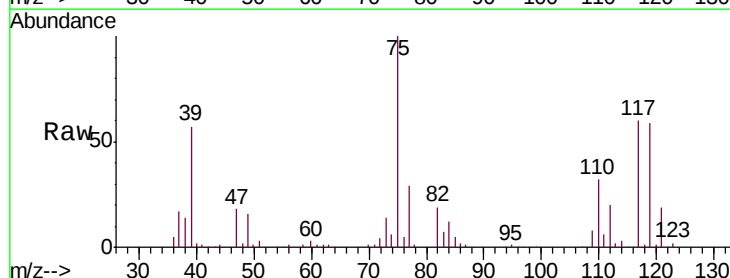
RT: 5.80 min Scan# 855

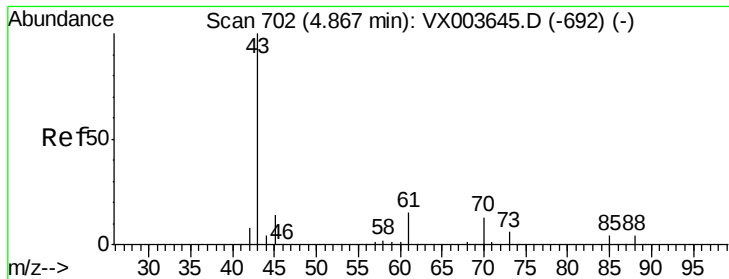
Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:	75	Resp:	77172
Ion	Ratio	Lower	Upper
75	100		
110	34.7	18.1	54.1
77	30.2	25.1	37.7





#37

Ethyl Acetate

Concen: 38.93 ug/l

RT: 4.87 min Scan# 702

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

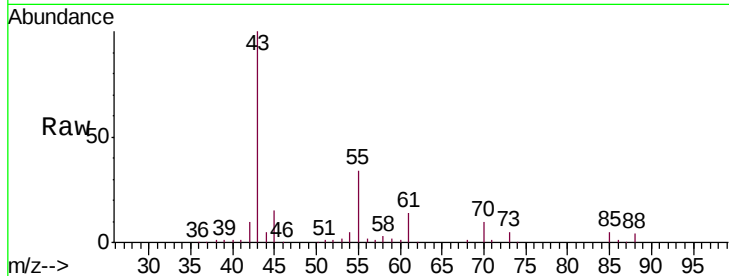
ClientSampleId :

FL-0506MSD

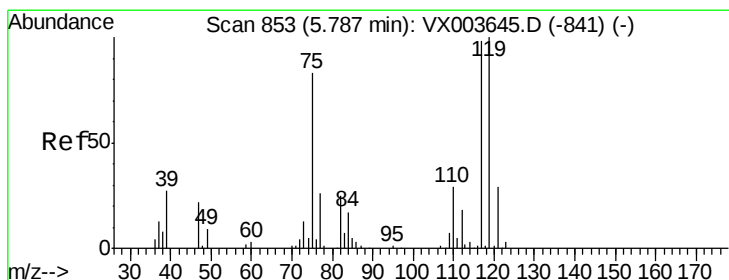
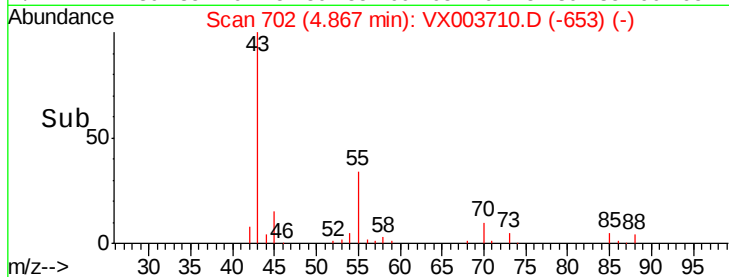
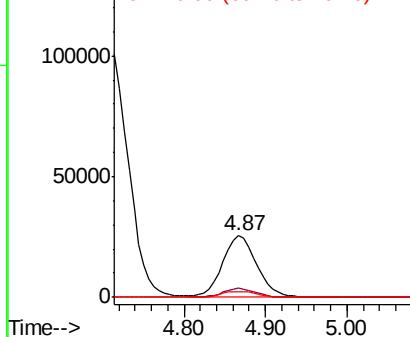
Tot Ion:	43	Resp:	73912
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.9	17.9
70	10.1	8.6	12.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 49.82 ug/l

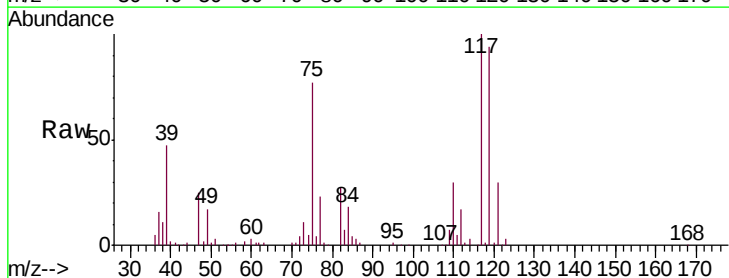
RT: 5.79 min Scan# 853

Delta R.T. 0.00 min

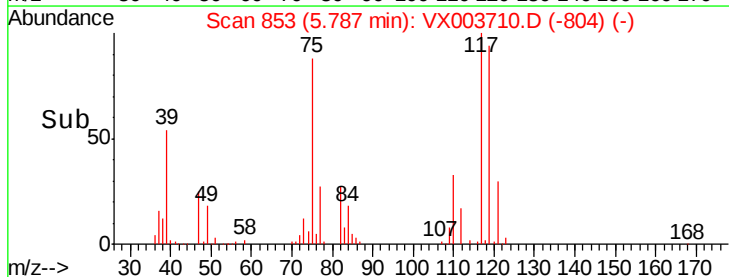
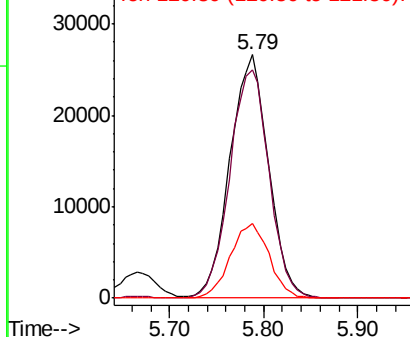
Lab File: VX003710.D

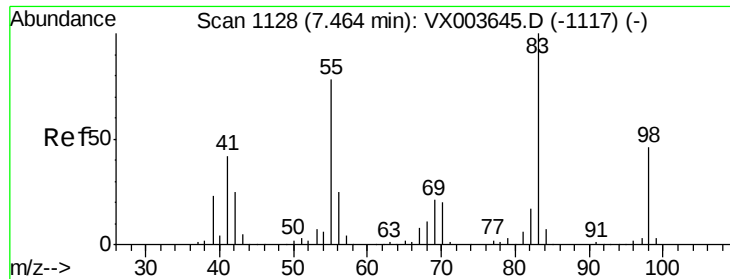
Acq: 27 Jul 2018 10:26

Tgt Ion:	117	Resp:	75829
Ion	Ratio	Lower	Upper
117	100		
119	93.8	81.0	121.4
121	30.4	23.7	35.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





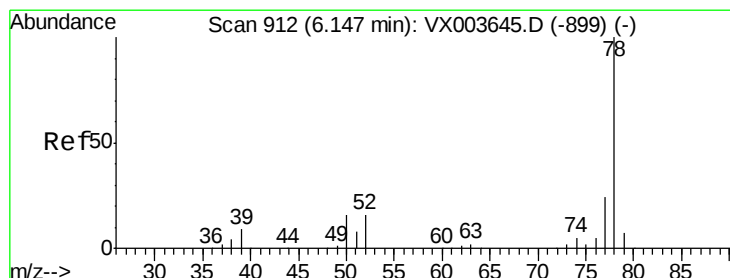
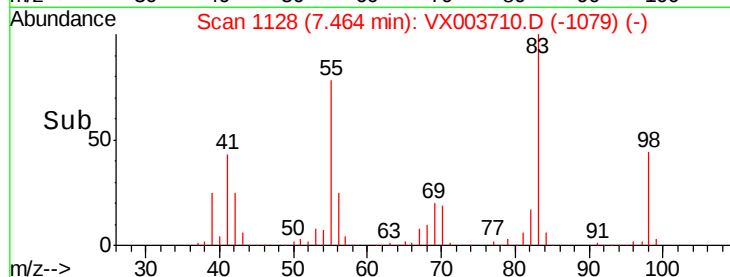
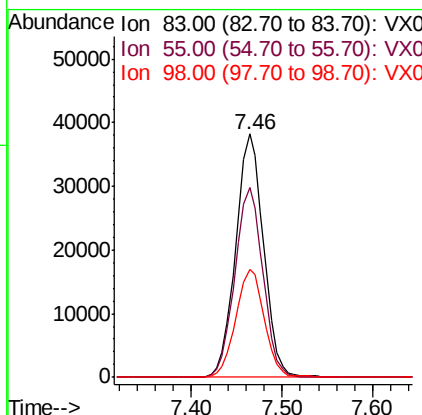
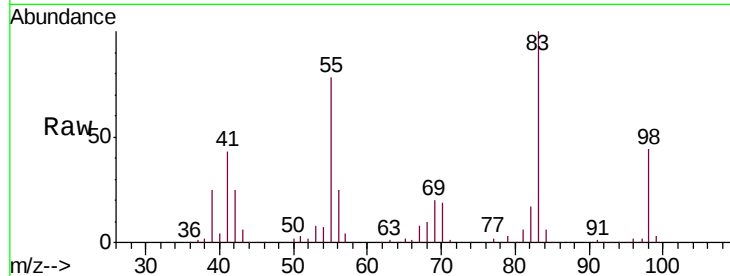
#39
Methvlcvclohexane
Concen: 46.83 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.6	93.8
98	44.2	36.6	55.0

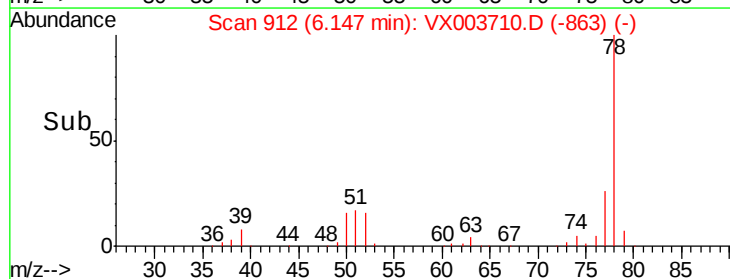
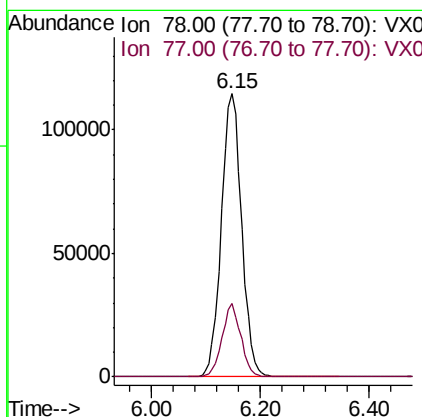
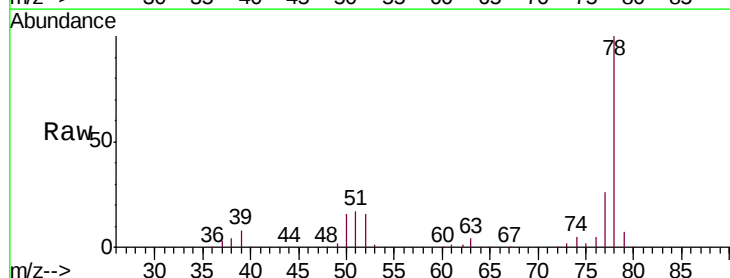
Manual Integrations
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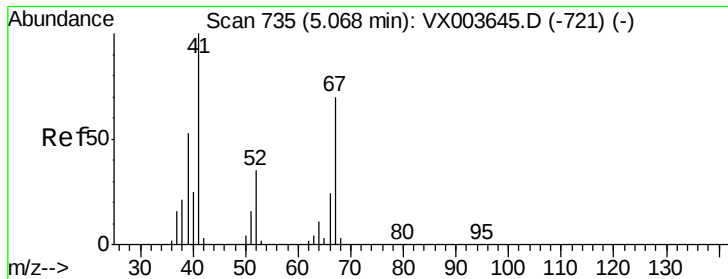
MMDadoda
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#40
Benzene
Concen: 63.50 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.0	28.6





#41

Methacrylonitrile

Concen: 52.85 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

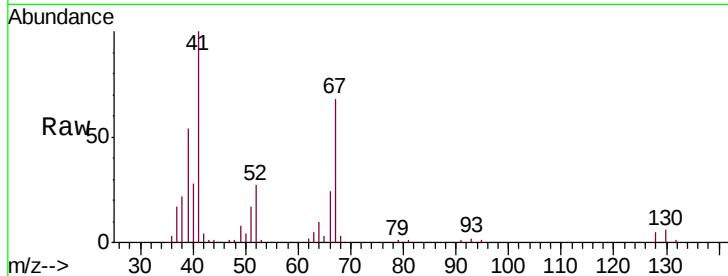
ClientSampleId :

FL-0506MSD

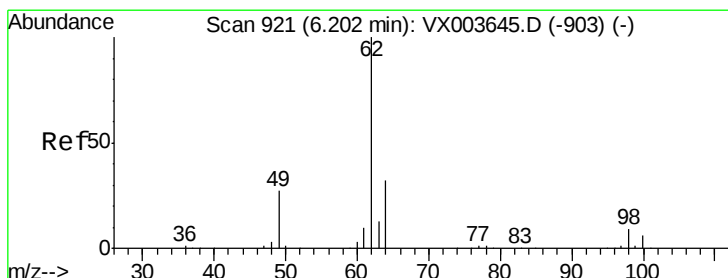
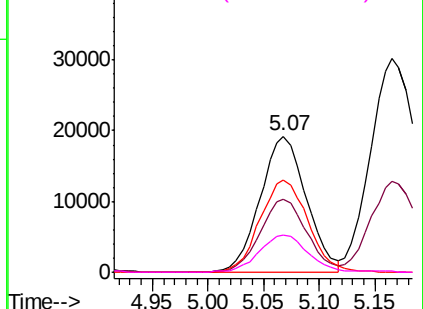
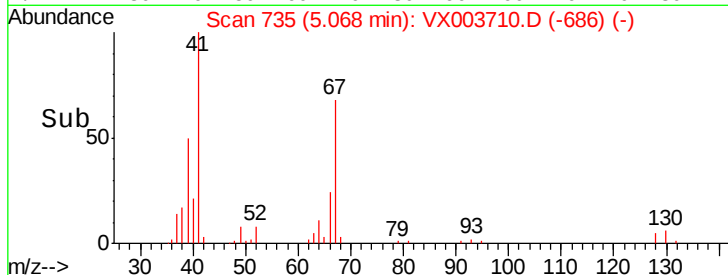
Tot Ion:	41	Resp:	55571
Ion	Ratio	Lower	Upper
41	100		
39	54.0	42.2	63.4
67	70.1	56.6	84.8
52	29.4	24.0	36.0

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 53.54 ug/l

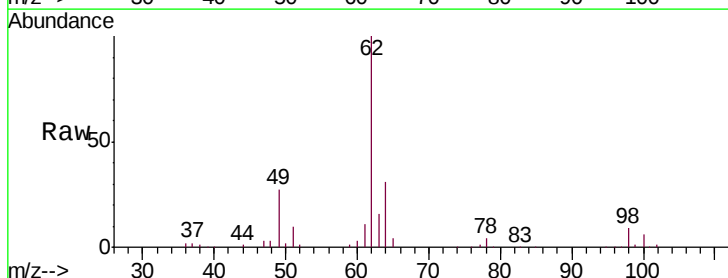
RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

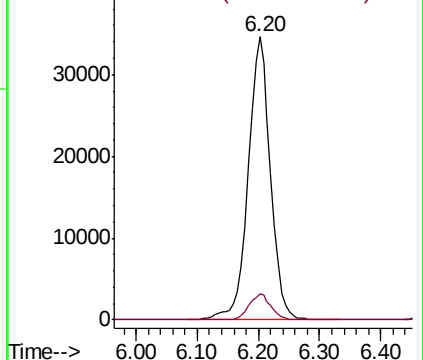
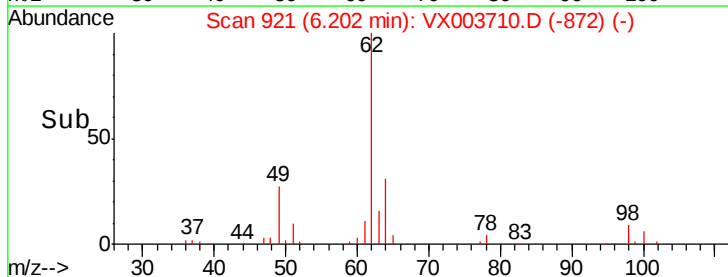
Lab File: VX003710.D

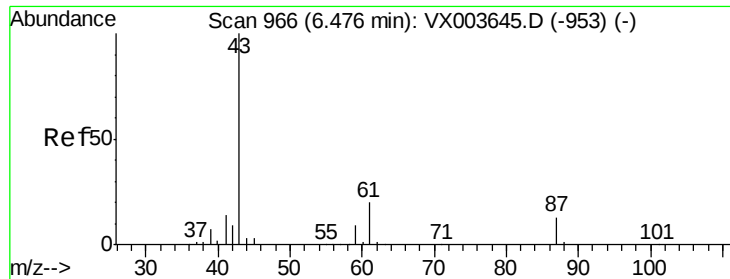
Acq: 27 Jul 2018 10:26

Tgt Ion:	62	Resp:	88057
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 43.70 ug/l

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

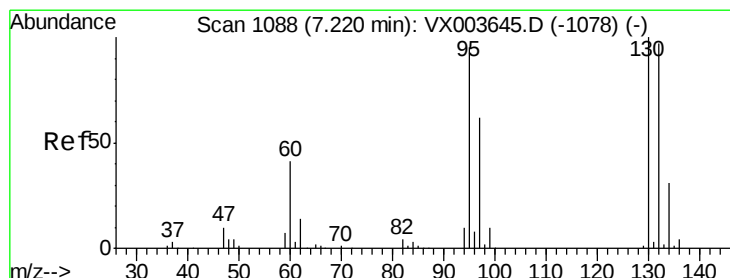
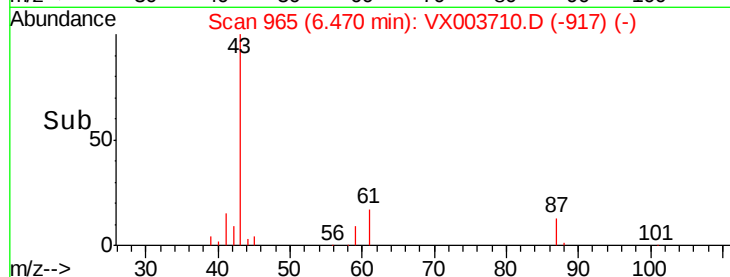
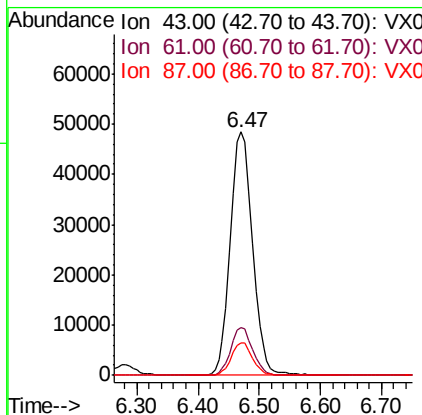
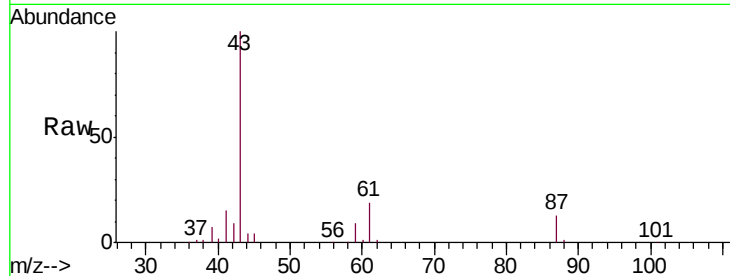
ClientSampled :

FL-0506MSD

Tot Ion:	43	Resp:	121052
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.9	23.9
87	12.8	10.1	15.1

Manual Integrations
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#44

Trichloroethene

Concen: 45.68 ug/l

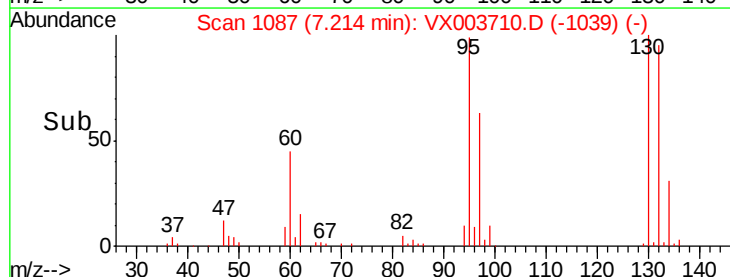
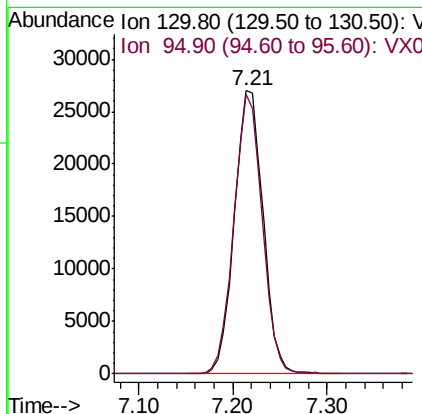
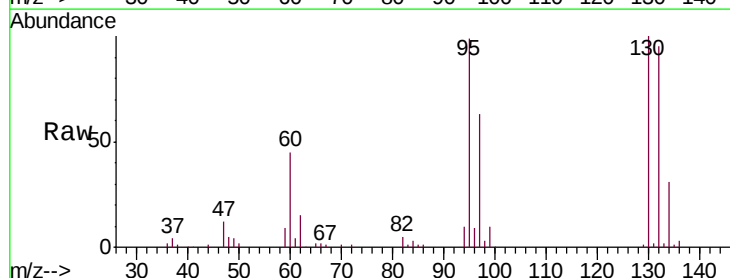
RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:	130	Resp:	57237
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	190.0





#45

1,2-Dichloropropane

Concen: 50.42 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampled :

FL-0506MSD

Tot Ion: 63 Resp: 60907

Ion Ratio Lower Upper

63 100

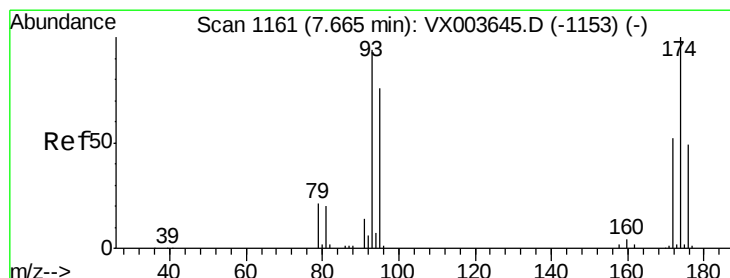
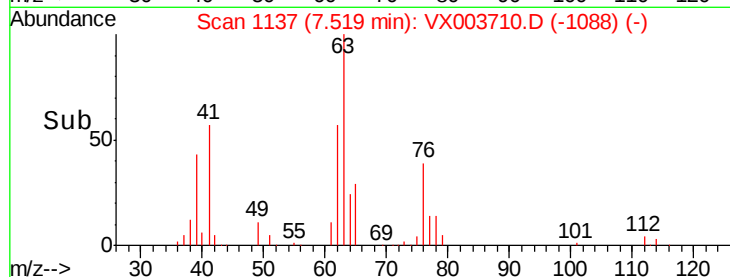
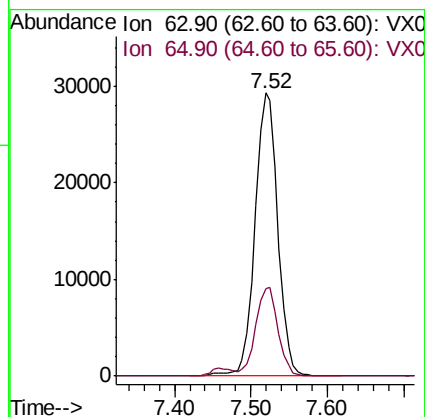
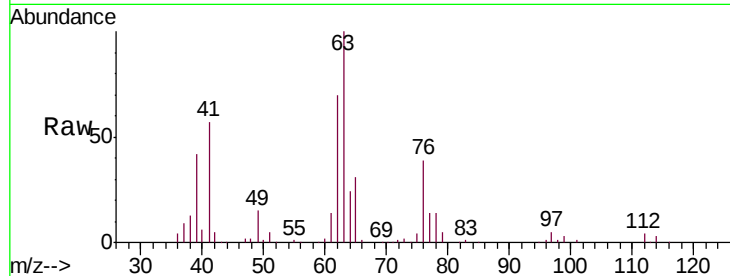
65 30.7 24.0 36.0

Manual Integrations

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#46

Dibromomethane

Concen: 52.40 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

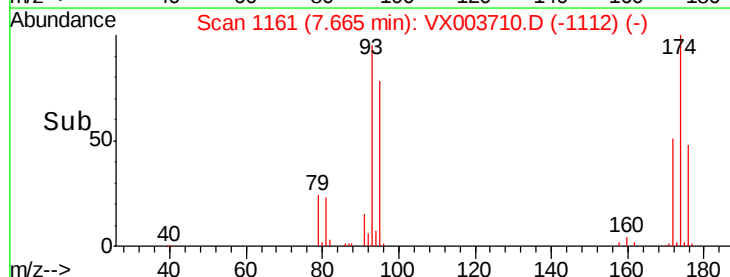
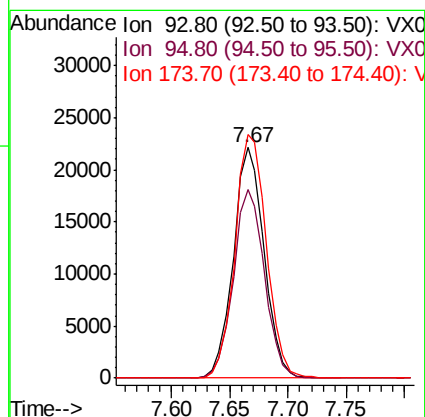
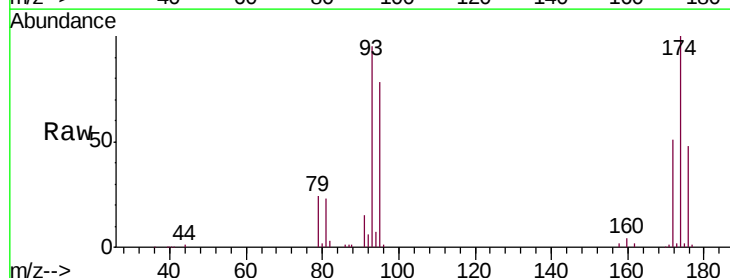
Tgt Ion: 93 Resp: 40663

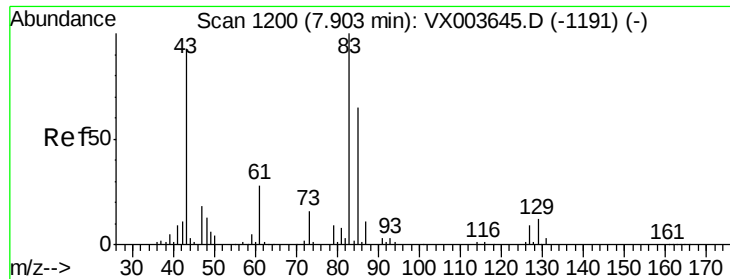
Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.6

174 108.4 89.6 134.4





#47

Bromodichloromethane

Concen: 55.56 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

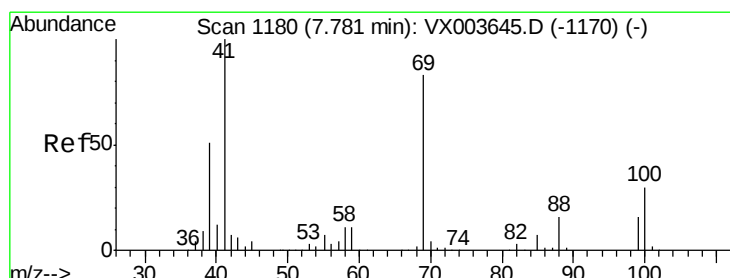
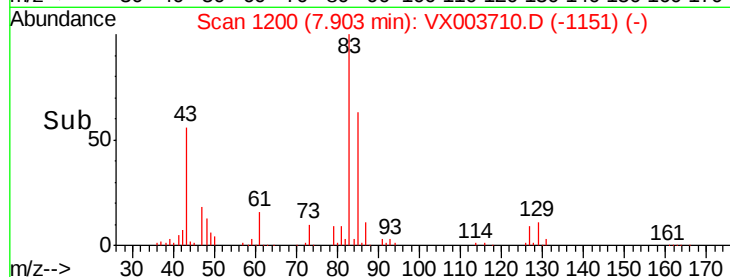
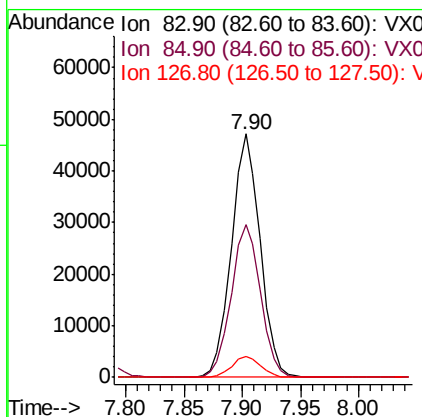
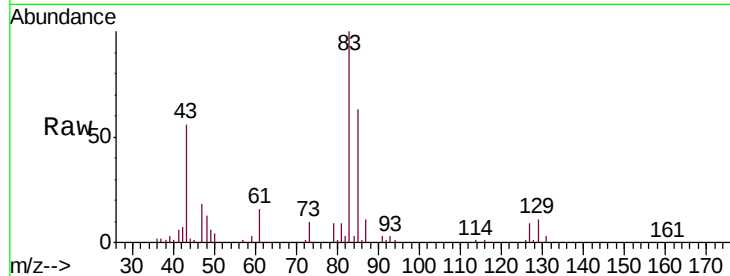
ClientSampleId :

FL-0506MSD

Tot Ion:	83	Resp:	80837
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.6
127	8.7	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.23 ug/l

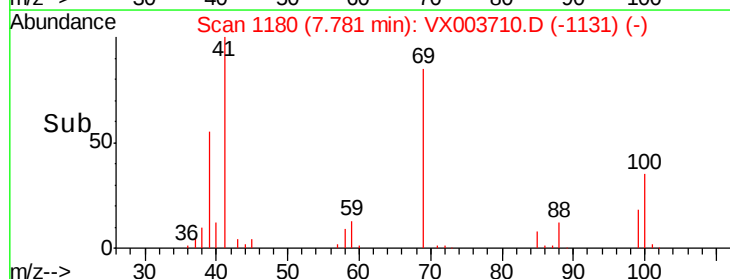
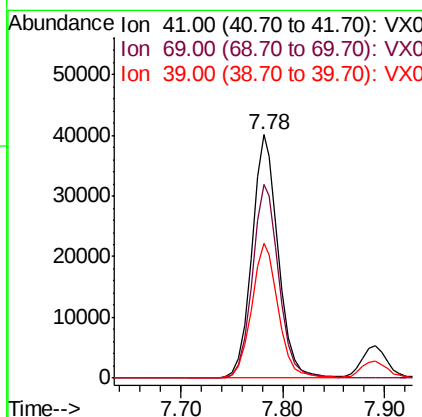
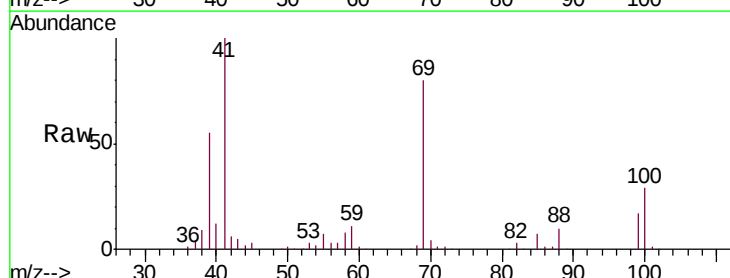
RT: 7.78 min Scan# 1180

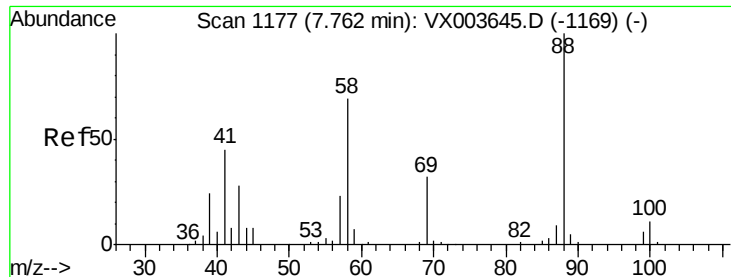
Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:	41	Resp:	72015
Ion	Ratio	Lower	Upper
41	100		
69	80.3	66.9	100.3
39	56.1	41.2	61.8





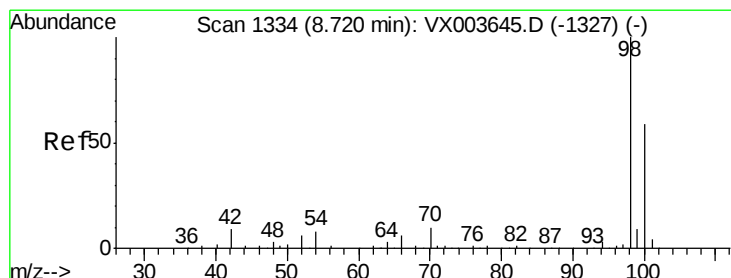
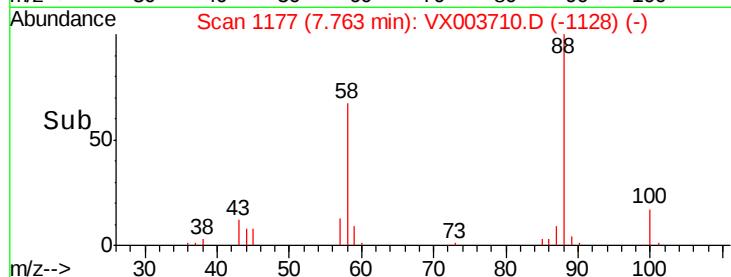
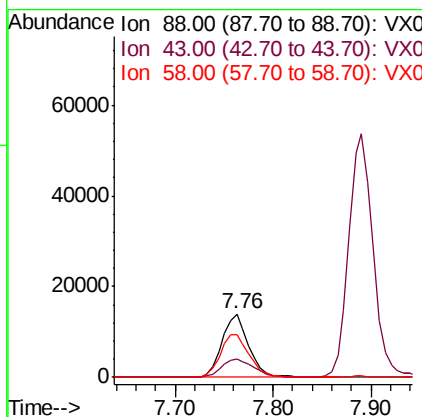
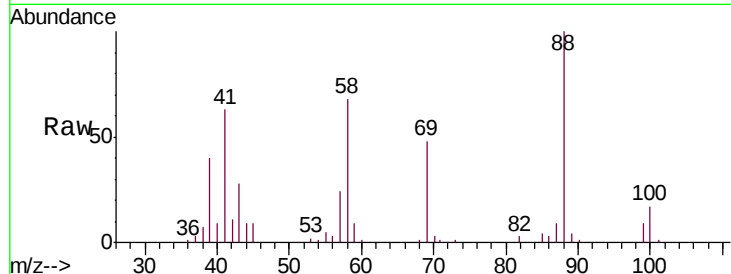
#49
1,4-Dioxane
Concen: 840.64 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.3	25.8	38.6
58	72.8	58.3	87.5

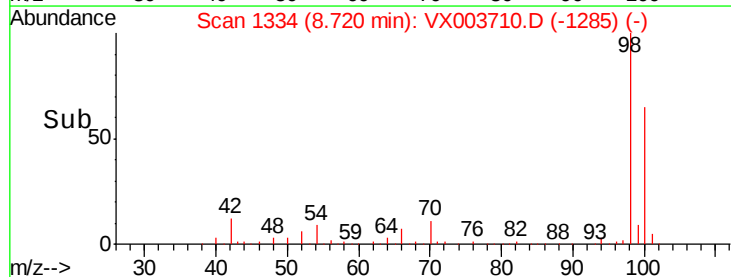
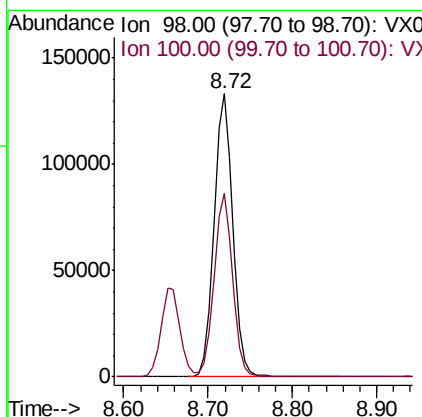
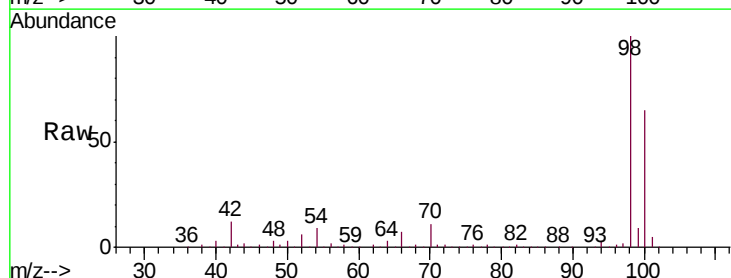
Manual Integrations
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#50
Toluene-d8
Concen: 48.74 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 248.24 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MSD

Tot Ion: 43 Resp: 463969

Ion Ratio Lower Upper

43 100

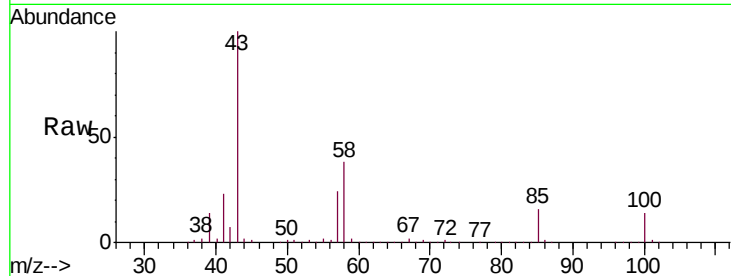
58 38.3 31.5 47.3

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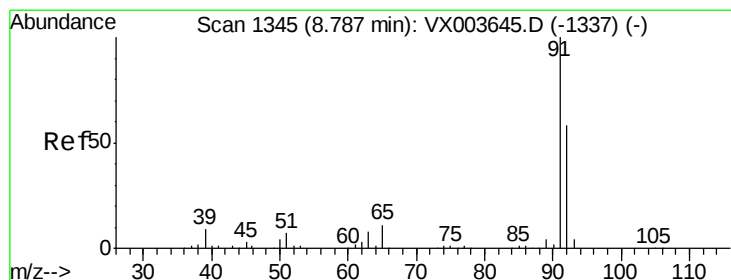
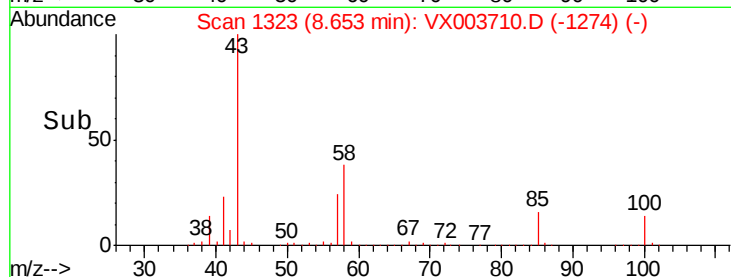
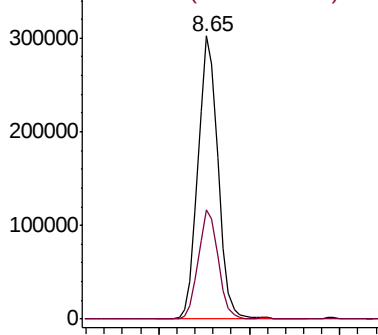
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.09 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003710.D

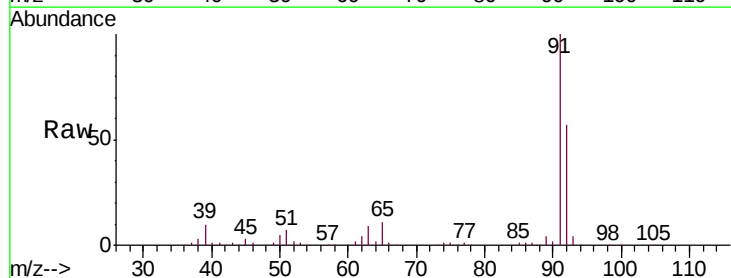
Acq: 27 Jul 2018 10:26

Tgt Ion: 92 Resp: 142583

Ion Ratio Lower Upper

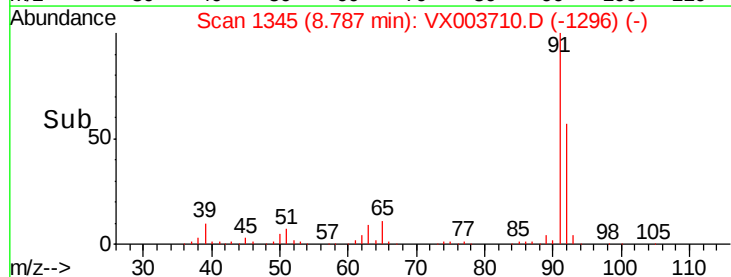
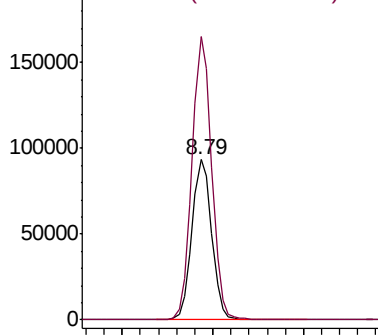
92 100

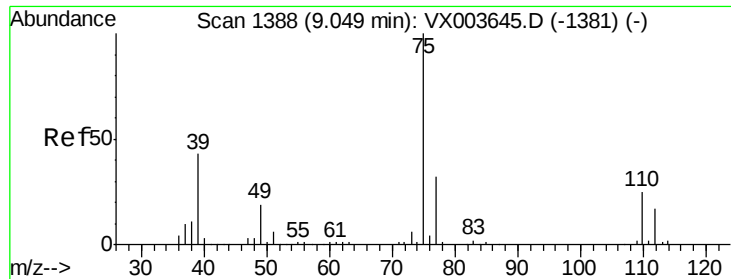
91 175.0 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





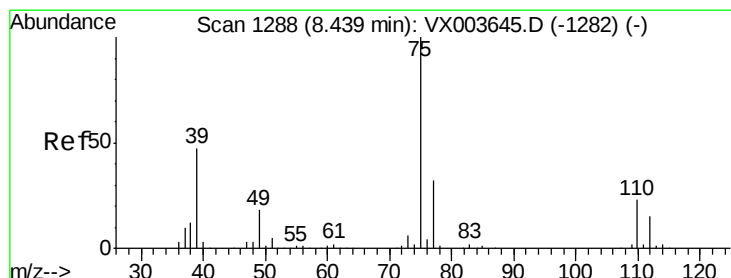
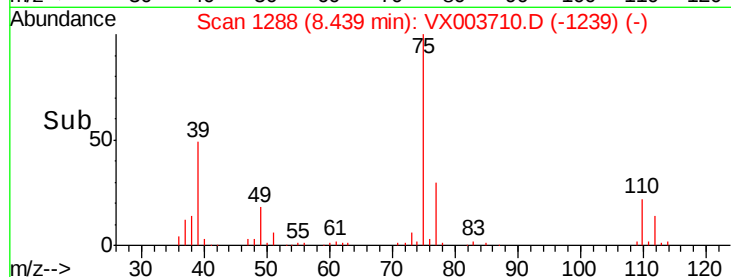
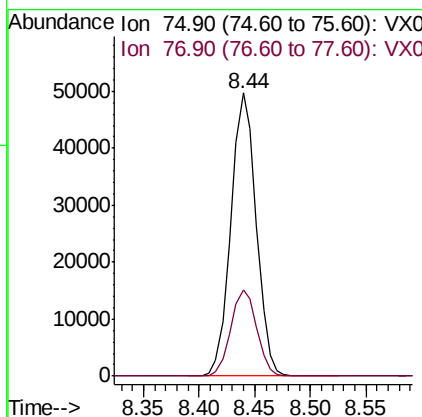
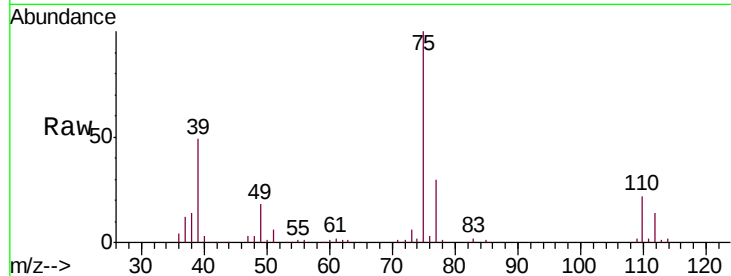
#53
t-1,3-Dichloropropene
Concen: 44.17 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion: 75 Resp: 78289
Ion Ratio Lower Upper
75 100
77 30.3 25.2 37.8

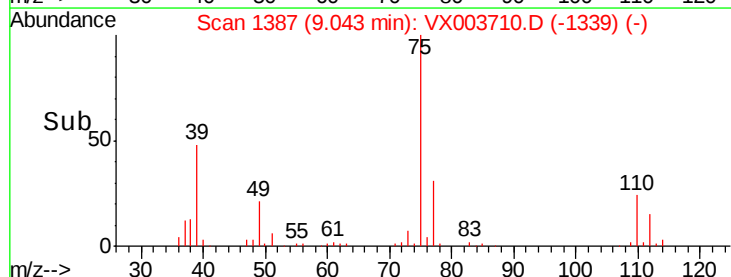
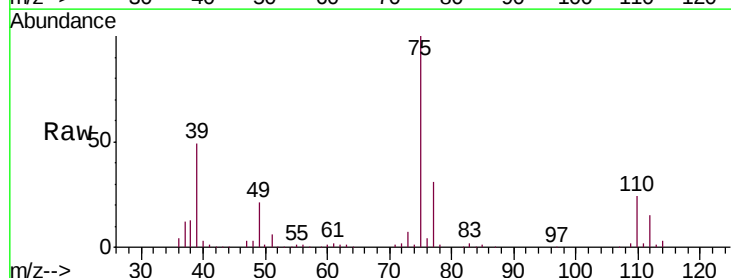
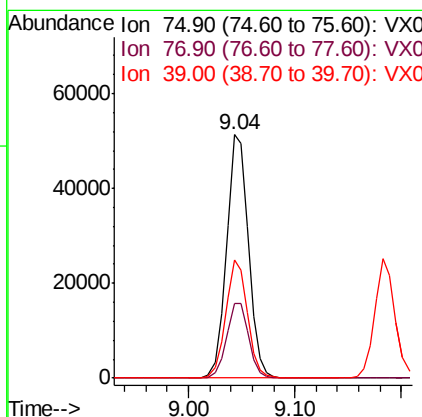
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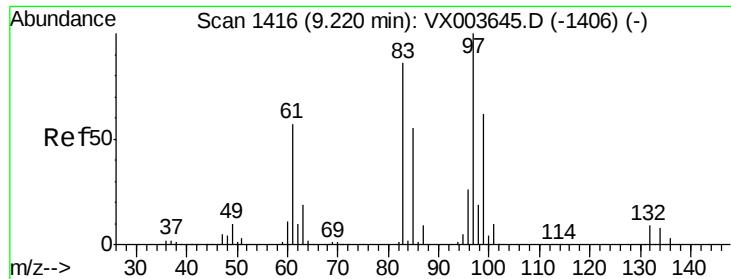
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 45.91 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.01 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion: 75 Resp: 73954
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.6
39 48.6 34.2 51.4





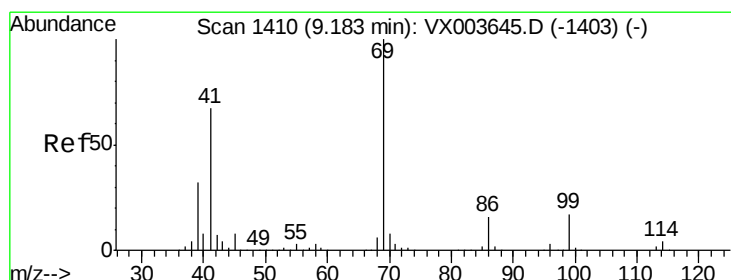
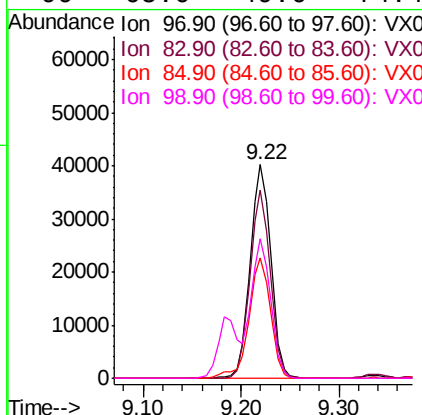
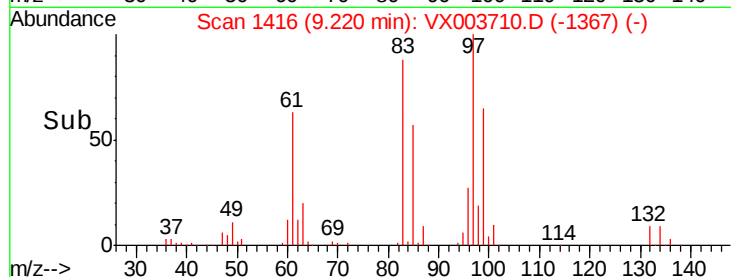
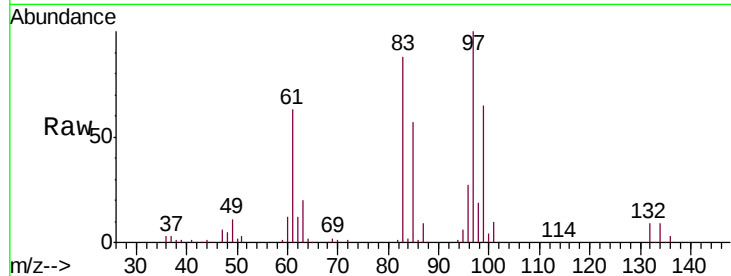
#55
 1,1,2-Trichloroethane
 Concen: 49.76 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MSD

Tot Ion:	97	Resp:	59077
Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.7	103.1
85	56.6	43.7	65.5
99	65.0	49.6	74.4

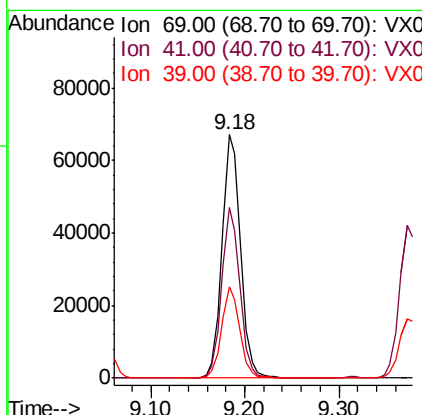
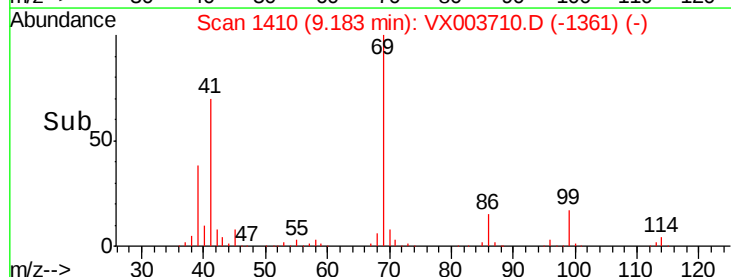
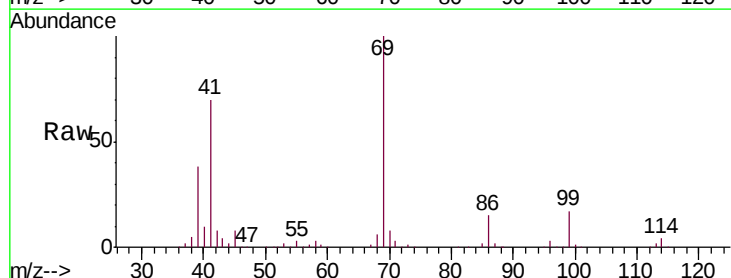
Manual Integrations
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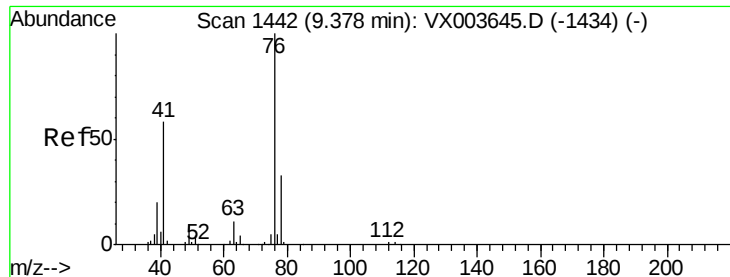
MMDadoda
 7/27/2018 5:41:20 PM



#56
 Ethyl methacrylate
 Concen: 51.66 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Tgt Ion:	69	Resp:	91274
Ion	Ratio	Lower	Upper
69	100		
41	69.4	53.8	80.6
39	36.6	25.8	38.8





#57

1,3-Dichloropropane

Concen: 50.06 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MSD

Tot Ion: 76 Resp: 99807

Ion Ratio Lower Upper

76 100

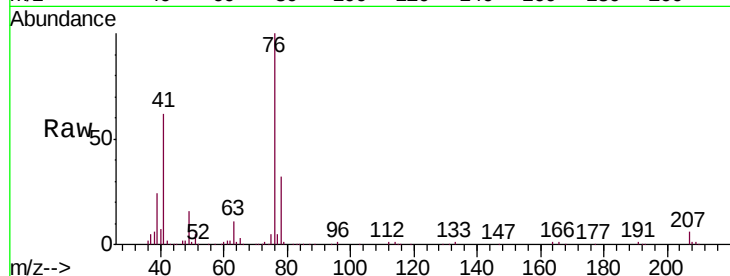
78 32.2 25.6 38.4

Manual Integrations

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MMDadoda

7/27/2018 5:41:20 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

80000

60000

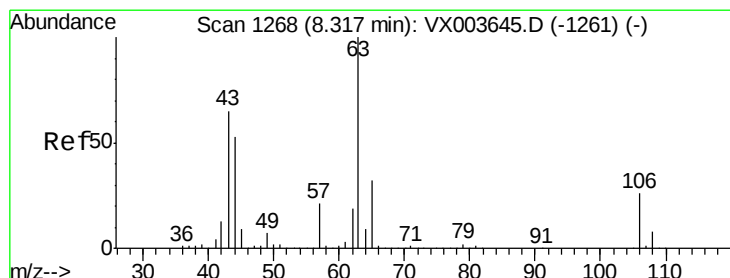
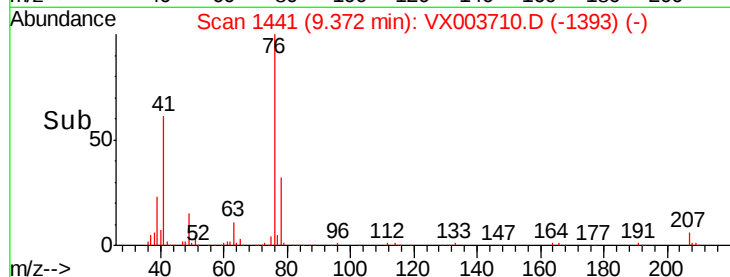
40000

20000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.33 ug/l

RT: 8.25 min Scan# 1257

Delta R.T. -0.07 min

Lab File: VX003710.D

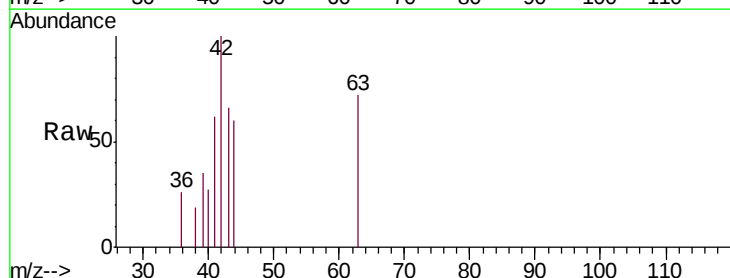
Acq: 27 Jul 2018 10:26

Tgt Ion: 63 Resp: 296

Ion Ratio Lower Upper

63 100

106 0.0 21.5 32.3#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

200

150

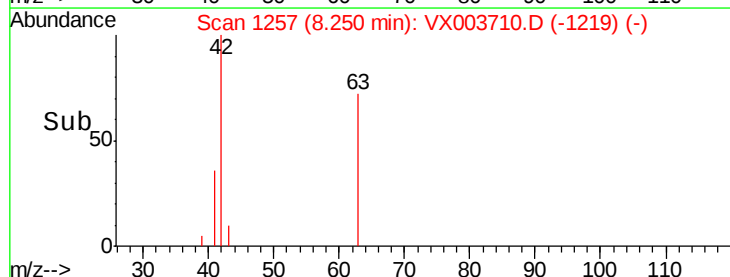
100

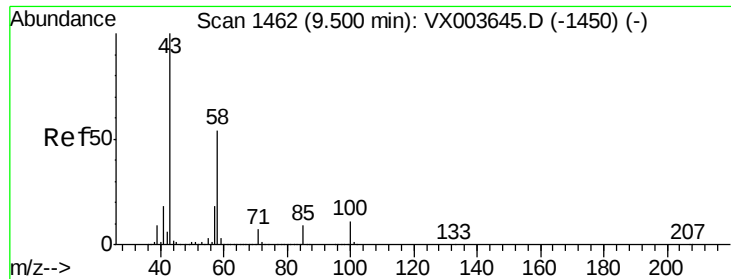
50

0

8.20 8.25 8.30

Time-->





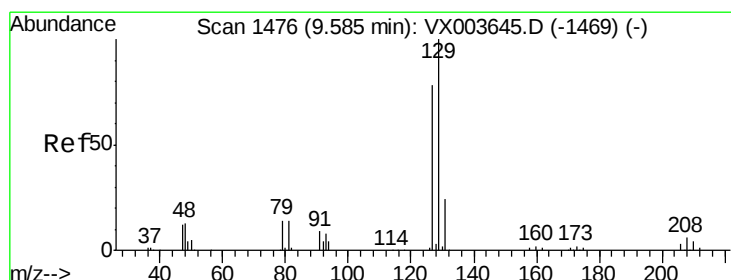
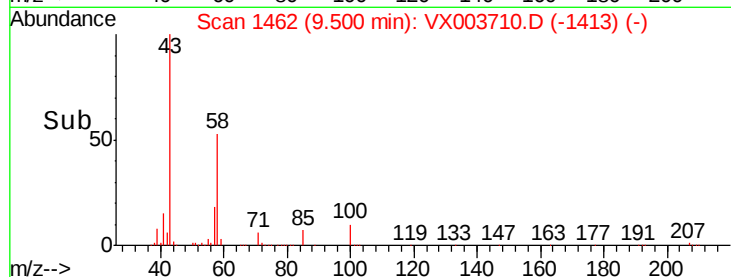
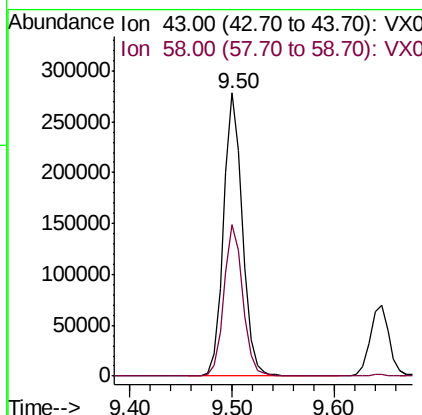
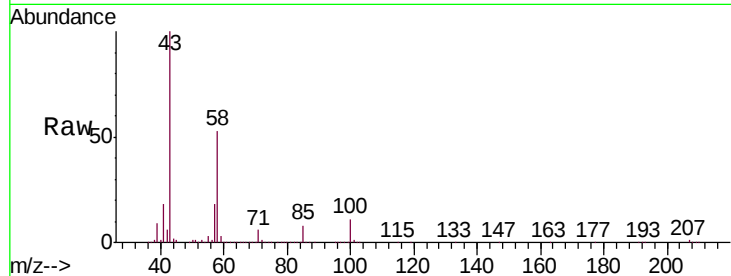
#59
2-Hexanone
Concen: 249.68 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MSD

Tot Ion: 43 Resp: 357961
Ion Ratio Lower Upper
43 100
58 53.5 27.3 81.9

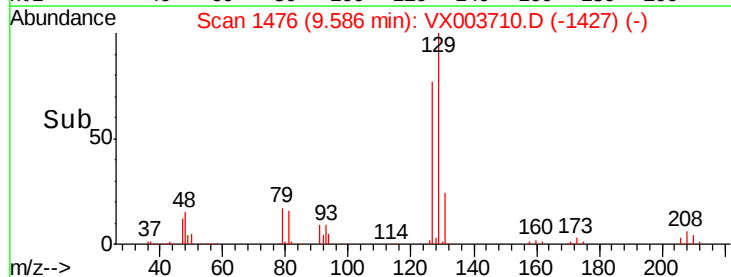
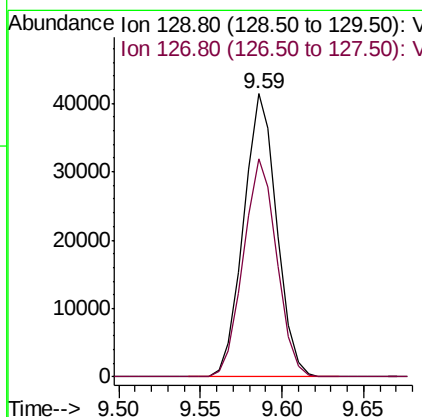
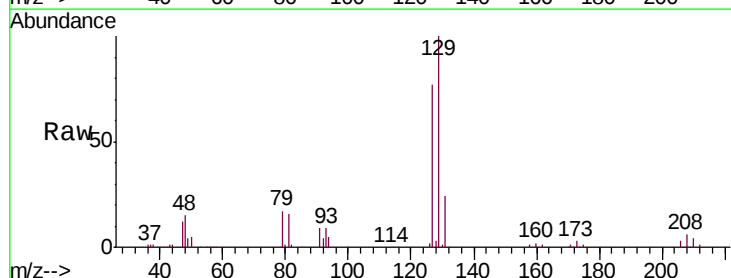
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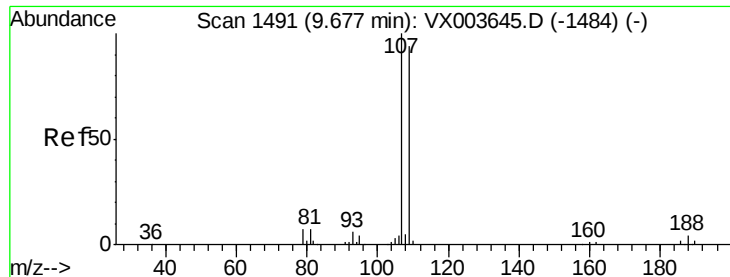
MMDadoda
7/27/2018 5:41:20 PM



#60
Dibromochloromethane
Concen: 52.01 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion: 129 Resp: 58573
Ion Ratio Lower Upper
129 100
127 77.5 38.7 116.1





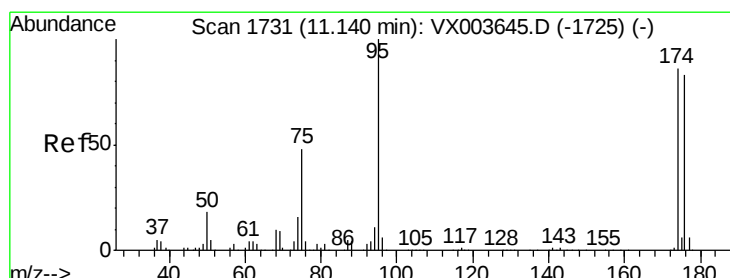
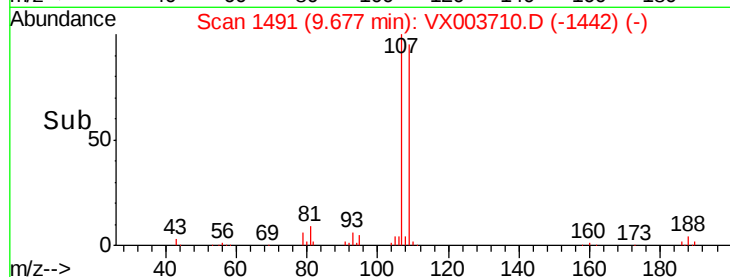
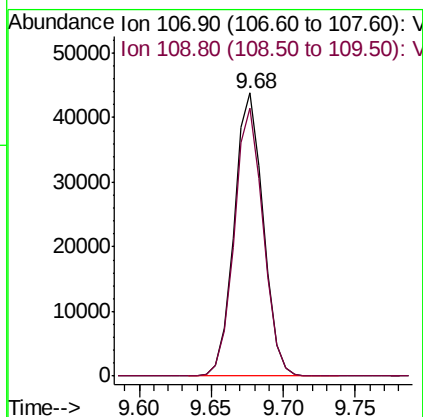
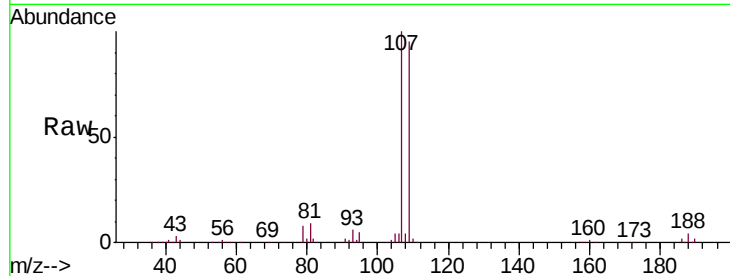
#61
 1,2-Dibromoethane
 Concen: 49.71 ug/l
 RT: 9.68 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MSD

Tot Ion: 107 Resp: 61461
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.2

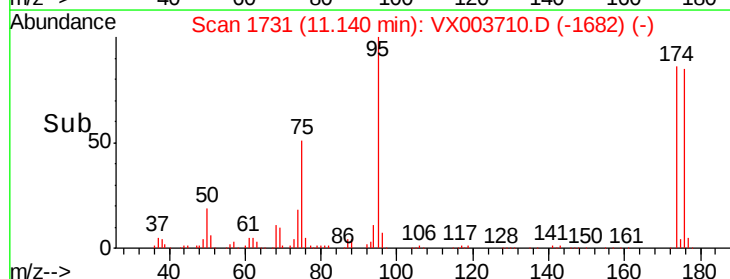
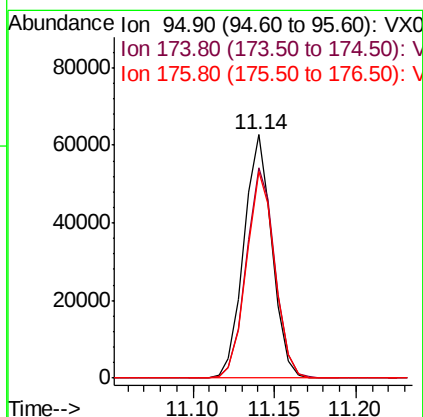
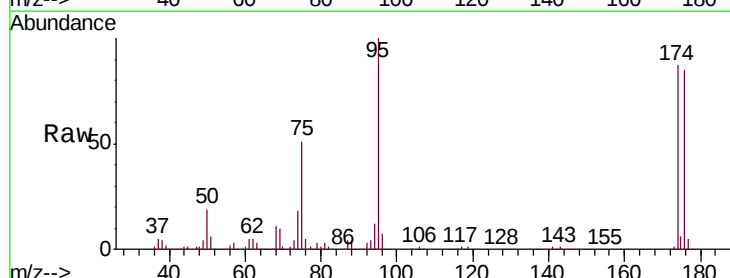
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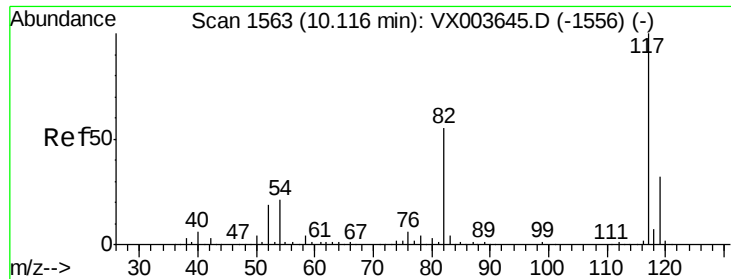
MMDadoda
 7/27/2018 5:41:20 PM



#62
 4-Bromofluorobenzene
 Concen: 49.02 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Tgt Ion: 95 Resp: 75359
 Ion Ratio Lower Upper
 95 100
 174 88.1 0.0 179.0
 176 85.8 0.0 173.0





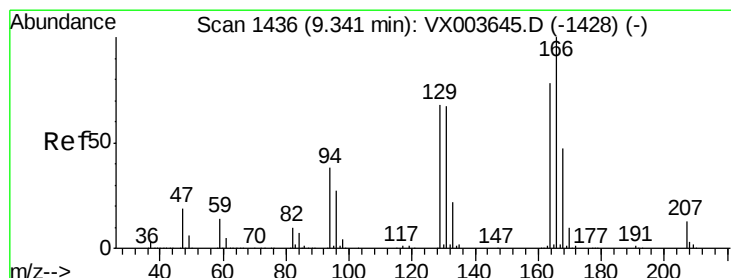
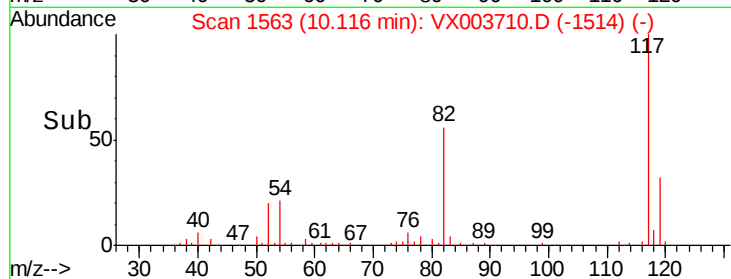
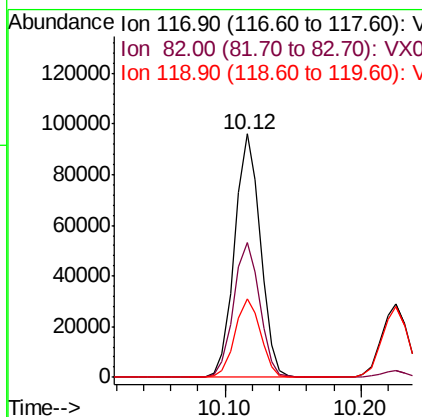
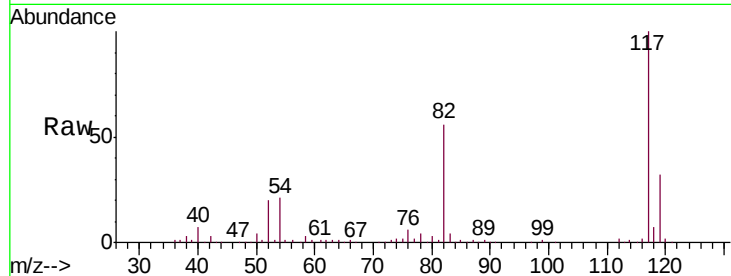
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.3	66.5
119	32.3	25.6	38.4

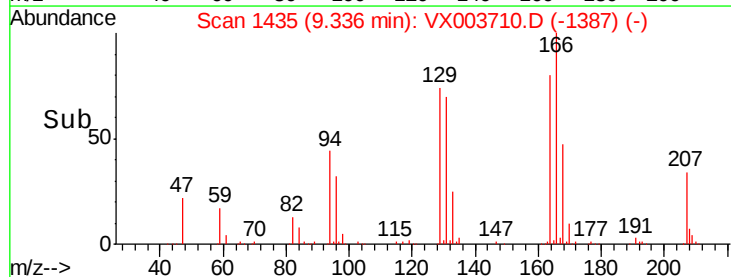
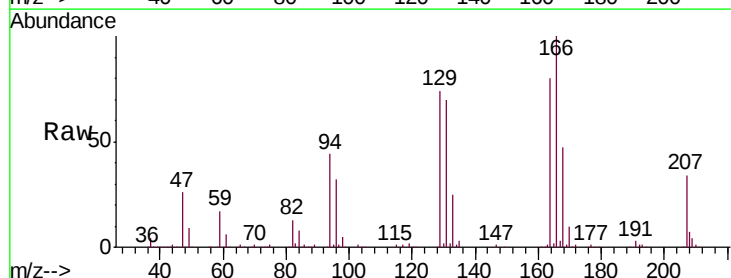
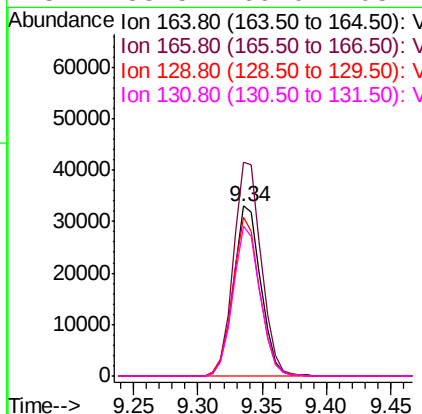
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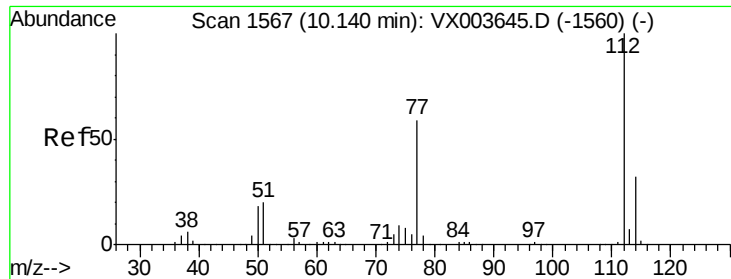
MMDadoda
7/27/2018 5:41:20 PM



#64
Tetrachloroethene
Concen: 42.08 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	102.4	153.6
129	93.2	69.6	104.4
131	88.5	69.0	103.4





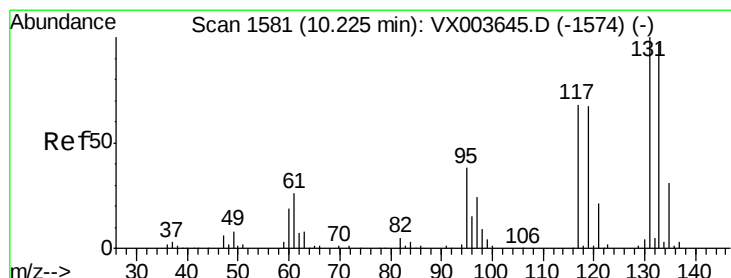
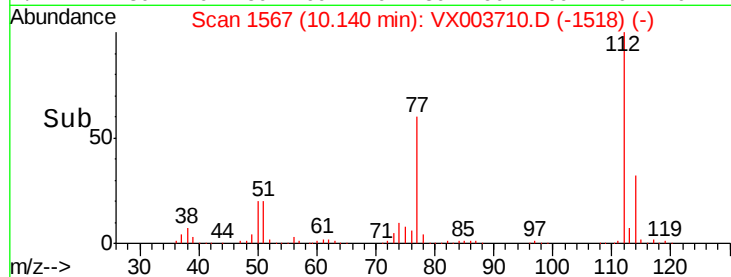
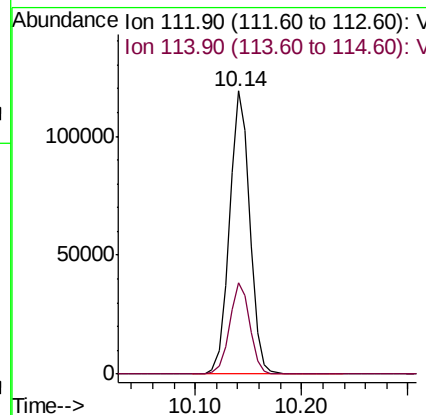
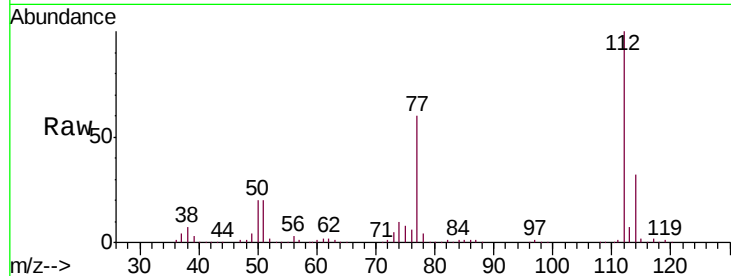
#65
Chlorobenzene
Concen: 49.60 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion:112 Resp: 158291
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.8

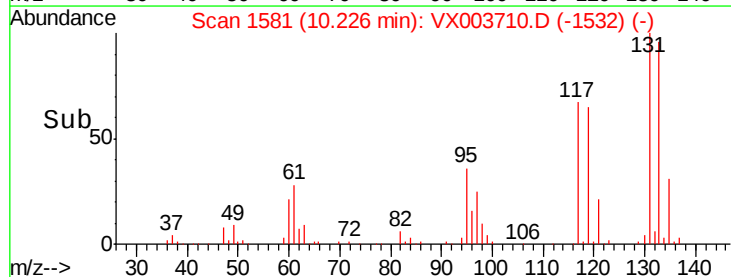
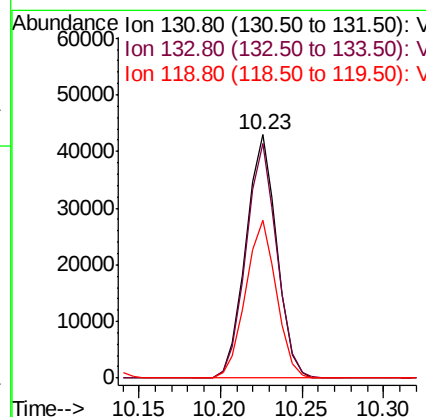
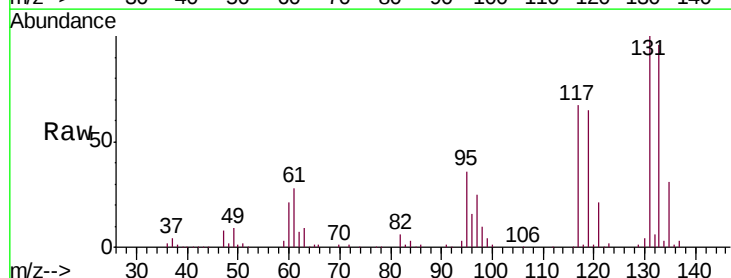
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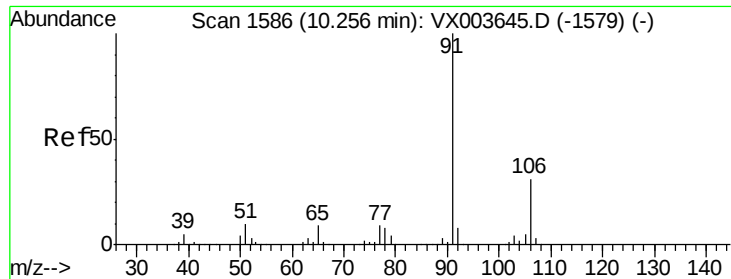
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.23 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion:131 Resp: 56841
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.8
119 64.7 32.8 98.4





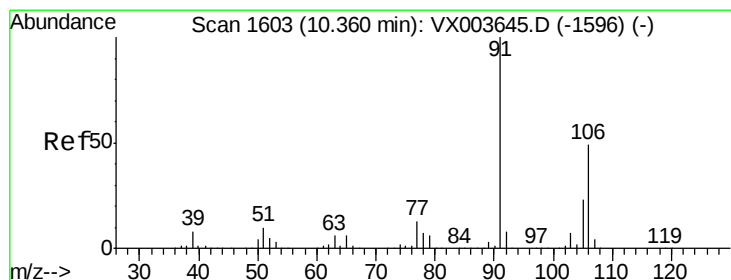
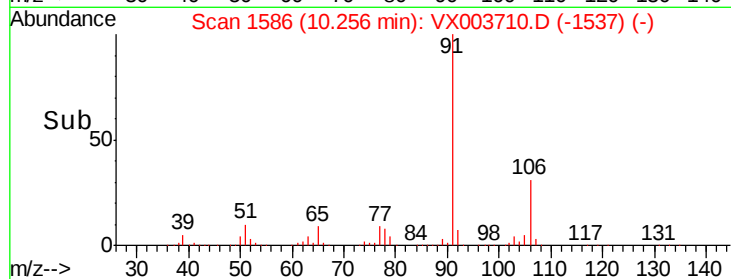
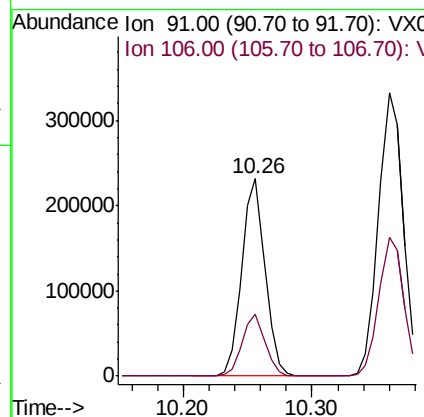
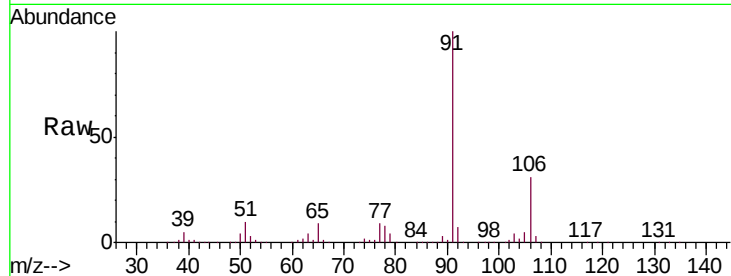
#67
Ethyl Benzene
Concen: 54.76 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion: 91 Resp: 292520
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

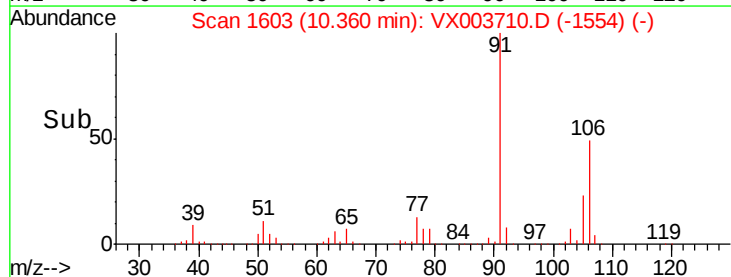
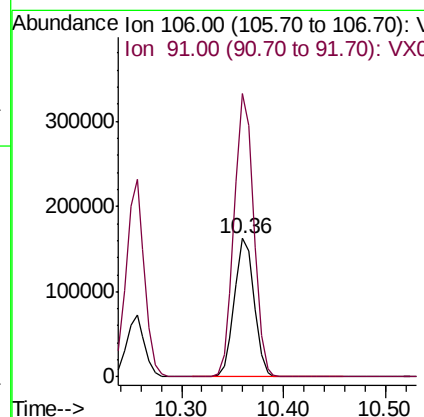
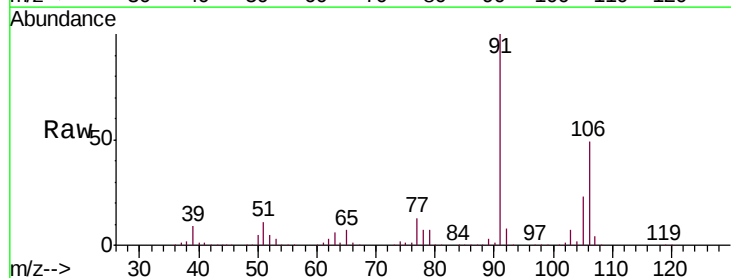
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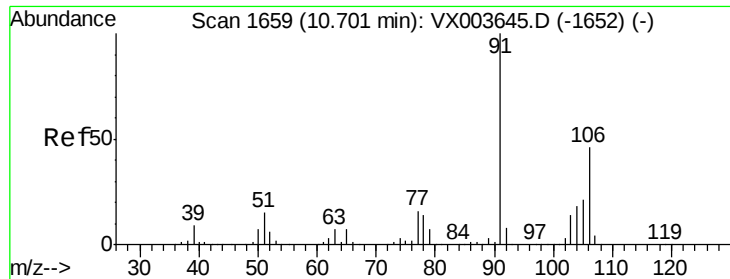
MMDadoda
7/27/2018 5:41:20 PM



#68
m/p-Xylenes
Concen: 105.23 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion: 106 Resp: 215644
Ion Ratio Lower Upper
106 100
91 203.3 162.2 243.2





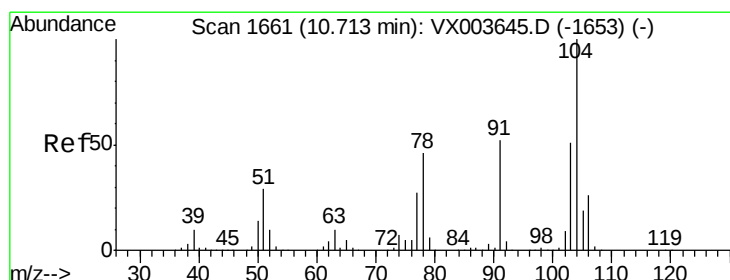
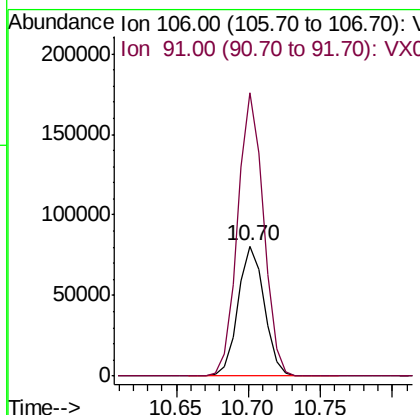
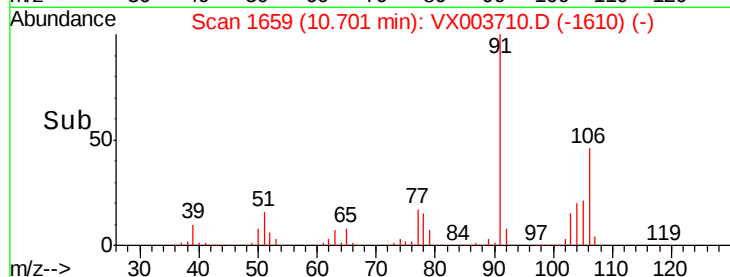
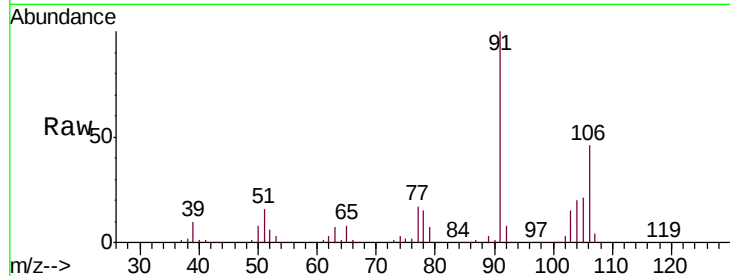
#69
o-Xylene
Concen: 51.70 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MSD

Tot Ion:106 Resp: 101996
Ion Ratio Lower Upper
106 100
91 215.7 107.1 321.1

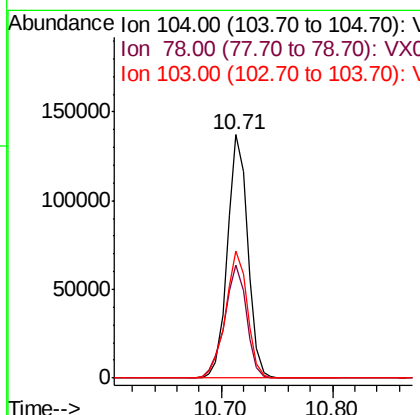
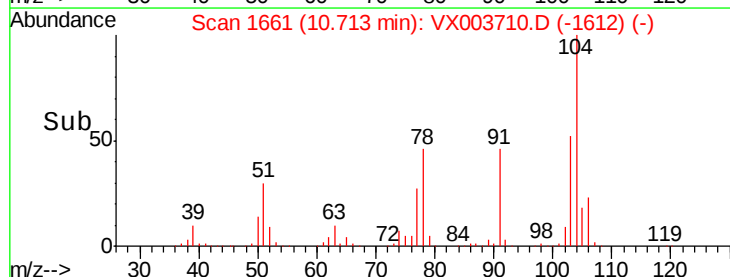
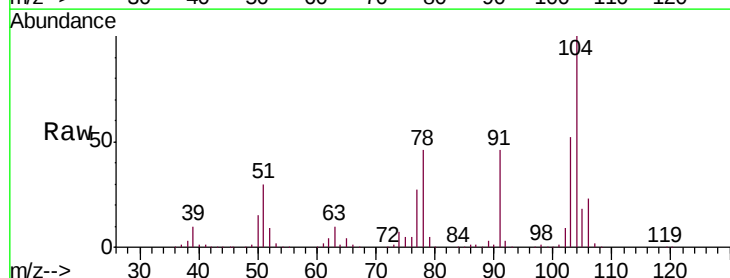
Manual Integrations
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#70
Styrene
Concen: 52.20 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion:104 Resp: 173007
Ion Ratio Lower Upper
104 100
78 50.3 39.2 58.8
103 55.9 44.2 66.4





#71

Bromoform

Concen: 51.49 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

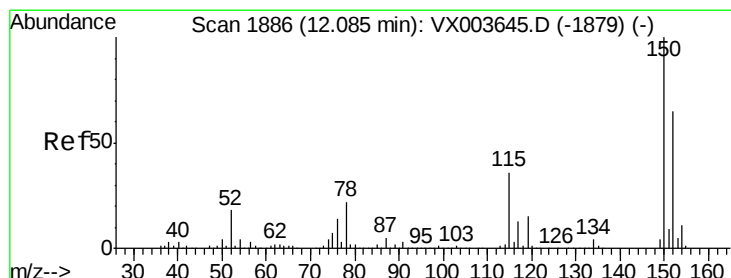
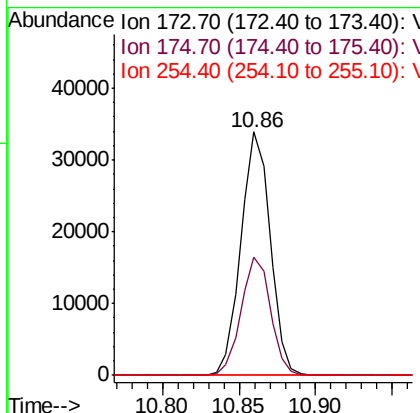
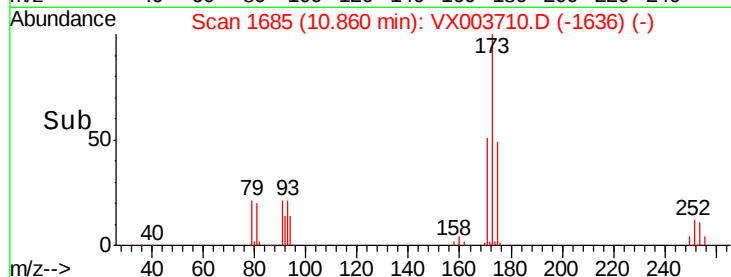
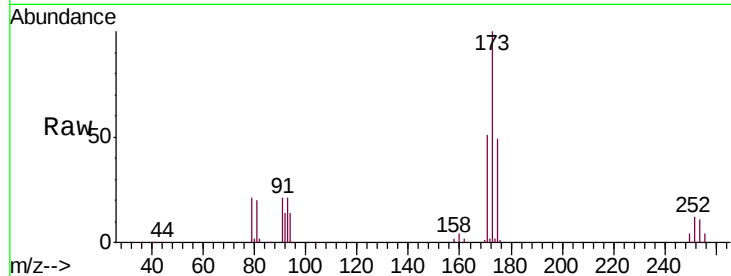
ClientSampled :

FL-0506MSD

Tot Ion:173 Resp: 45169
 Ion Ratio Lower Upper
 173 100
 175 48.6 24.1 72.2
 254 0.1 0.0 0.0#

Manual Integrations
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 7/27/2018 5:41:20 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

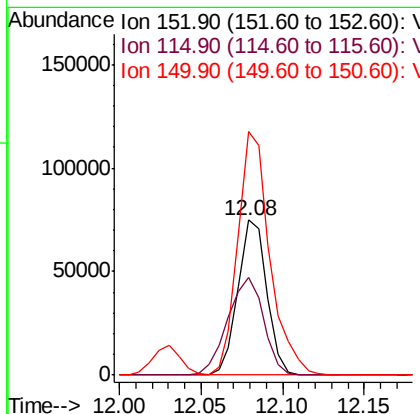
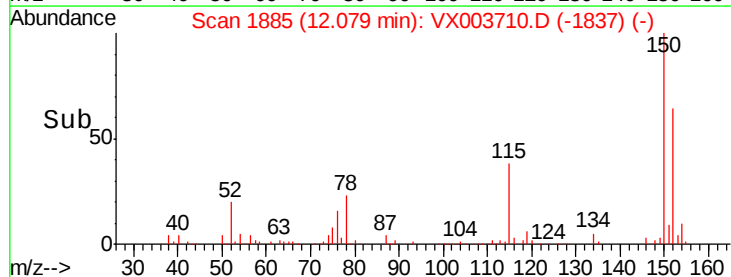
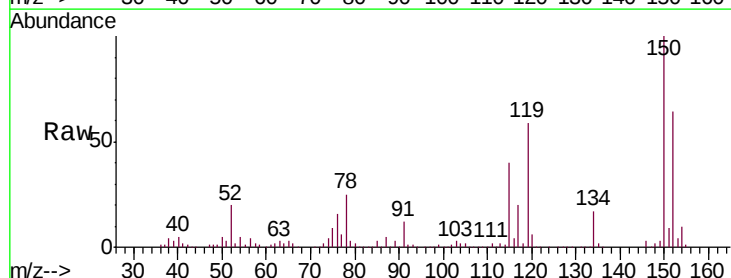
RT: 12.08 min Scan# 1885

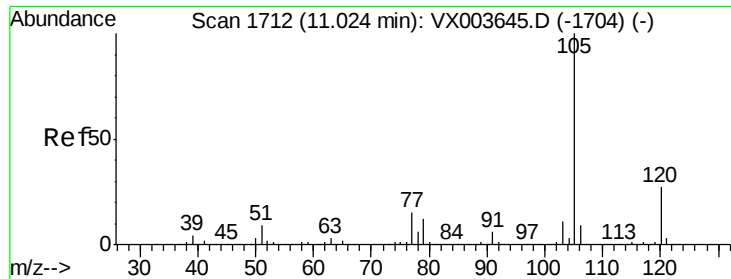
Delta R.T. -0.01 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:152 Resp: 92641
 Ion Ratio Lower Upper
 152 100
 115 78.1 40.0 119.9
 150 173.6 0.0 348.4





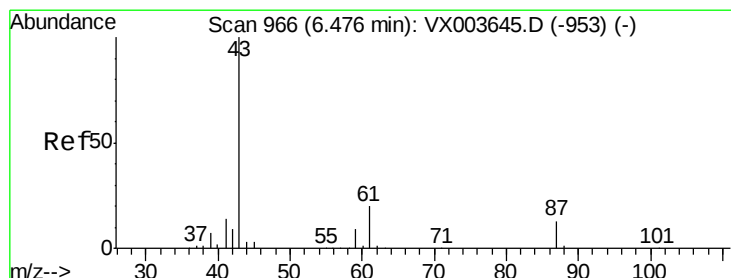
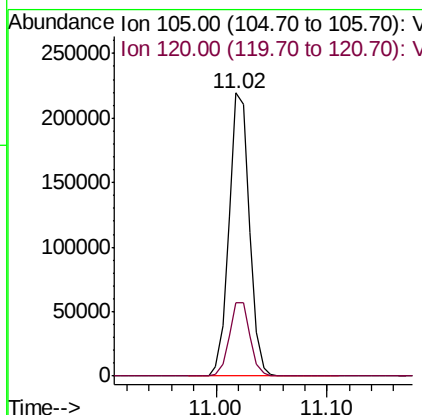
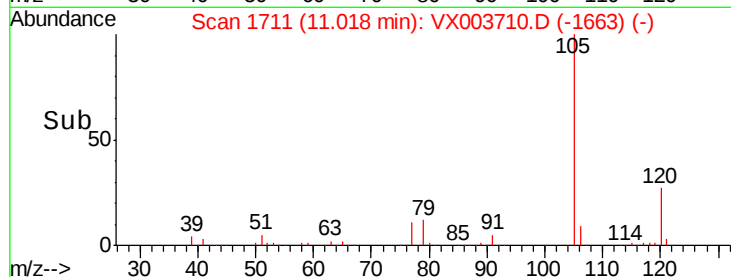
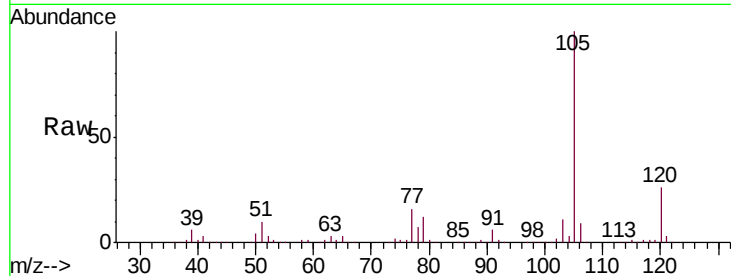
#73
Isopropylbenzene
Concen: 43.67 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.5	40.5

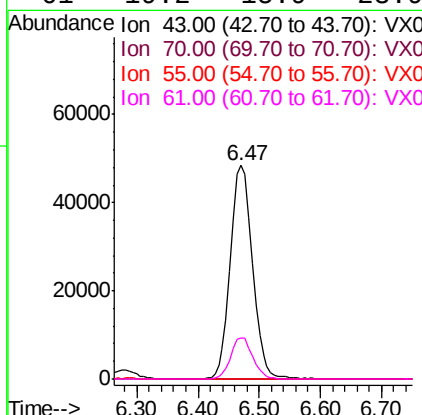
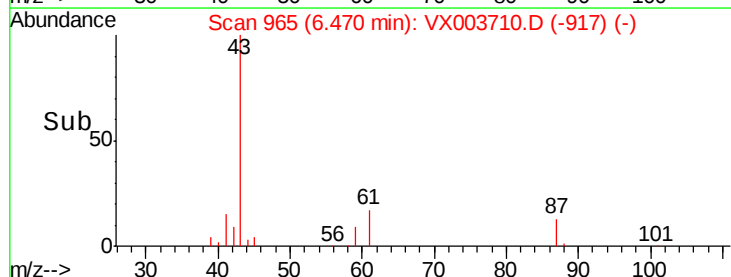
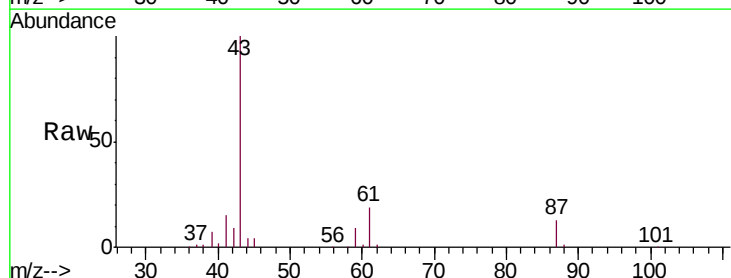
Manual Integrations
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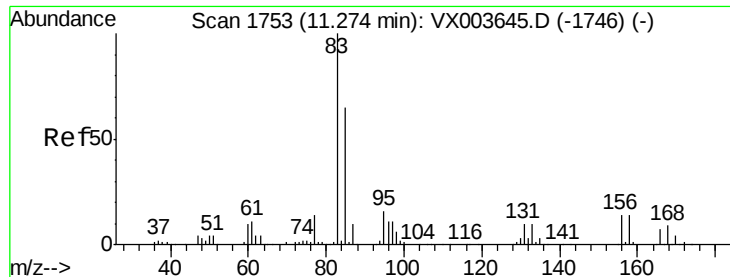
MMDadoda
7/27/2018 5:41:20 PM



#74
N-ethyl acetate
Concen: 36.67 ug/l
RT: 6.47 min Scan# 965
Delta R.T. -0.01 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	19.2	15.9	23.9





#75

1,1,2,2-Tetrachloroethane

Concen: 41.42 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

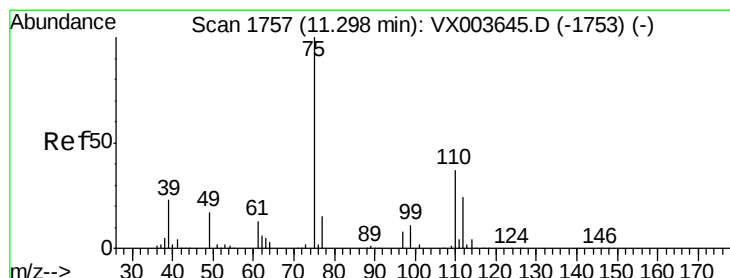
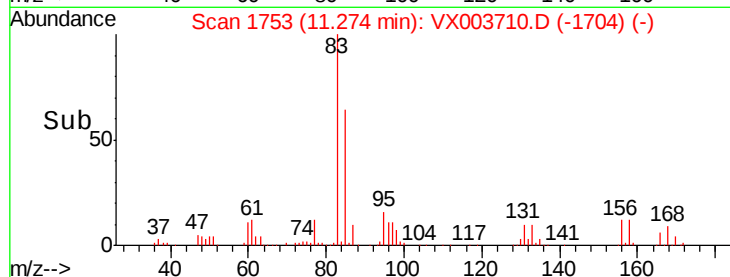
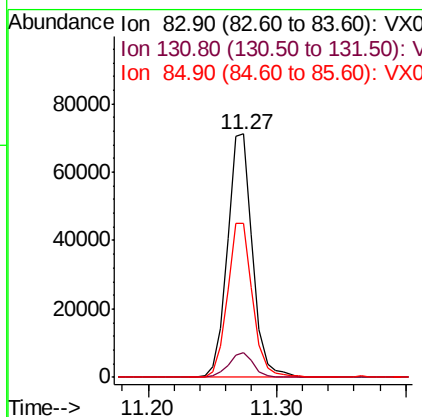
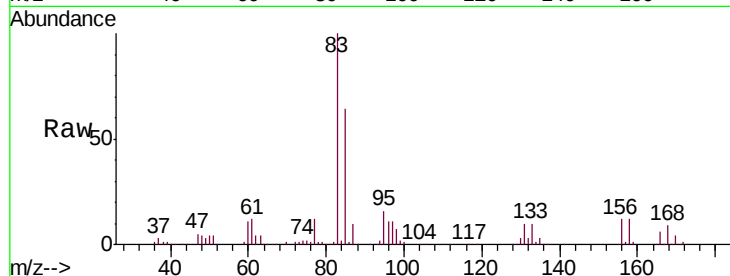
ClientSampleId :

FL-0506MSD

Tot Ion:	83	Resp:	96826
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.4
85	63.9	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 47.12 ug/l m

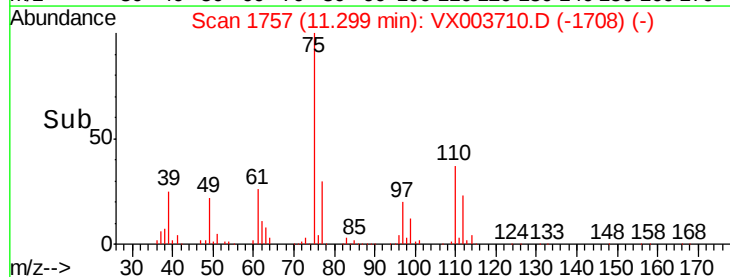
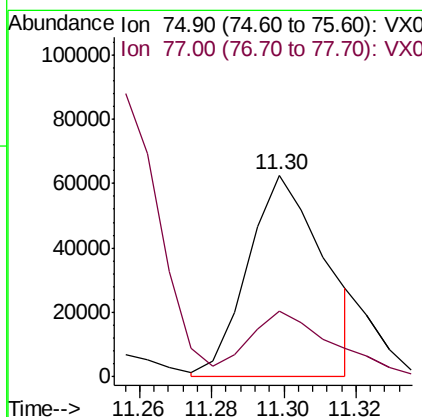
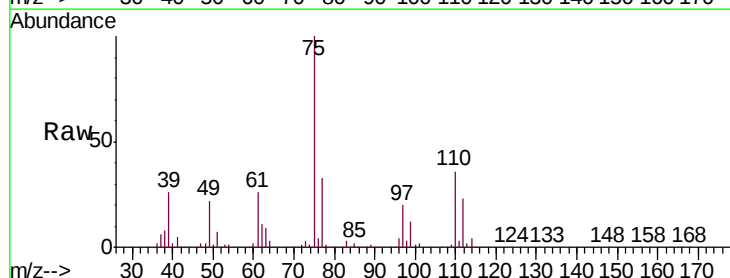
RT: 11.30 min Scan# 1757

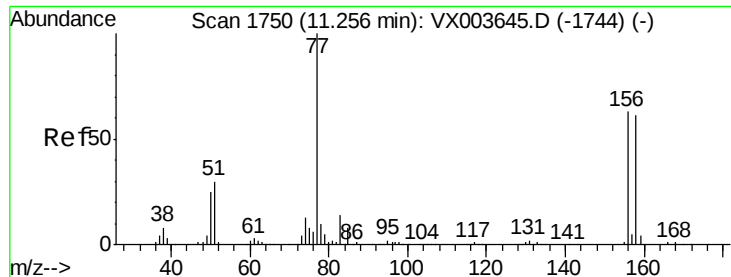
Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:	75	Resp:	91562
Ion Ratio	Lower	Upper	
75	100		
77	36.1	21.6	64.6





#77

Bromobenzene

Concen: 41.36 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MSD

Tot Ion:156 Resp: 71104

Ion Ratio Lower Upper

156 100

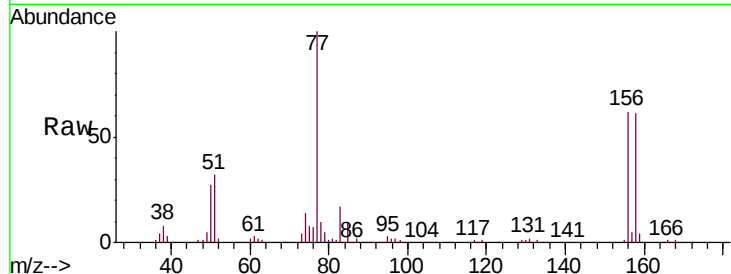
77 154.3 74.9 224.6

158 97.7 48.4 145.2

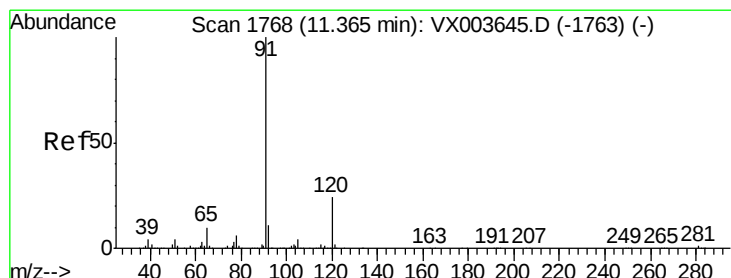
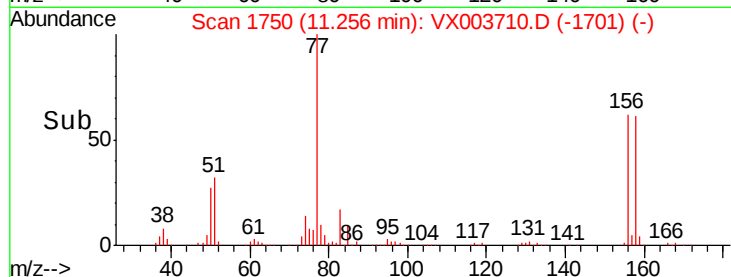
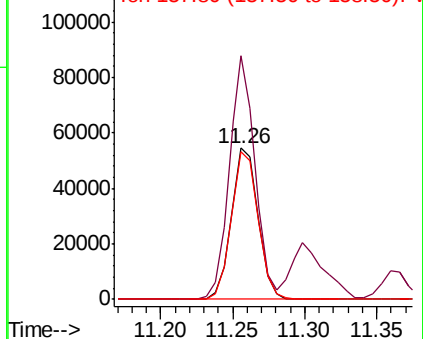
Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
120000 Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.96 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003710.D

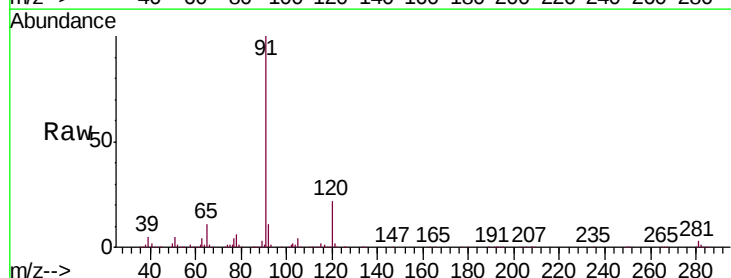
Acq: 27 Jul 2018 10:26

Tgt Ion: 91 Resp: 321293

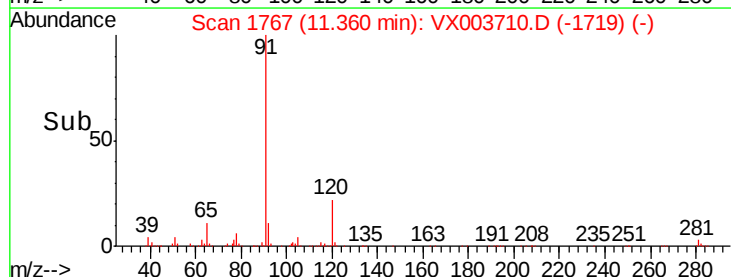
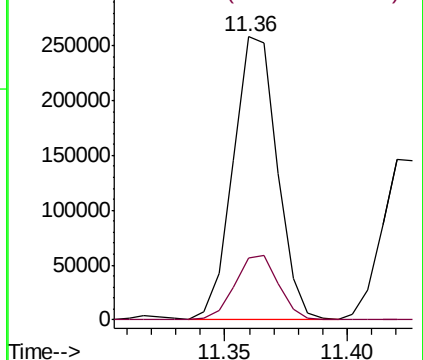
Ion Ratio Lower Upper

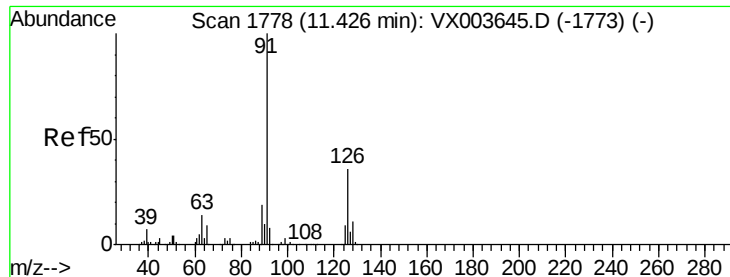
91 100

120 22.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0
300000 Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.00 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.01 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0506MSD

Tot Ion: 91 Resp: 191016

Ion Ratio Lower Upper

91 100

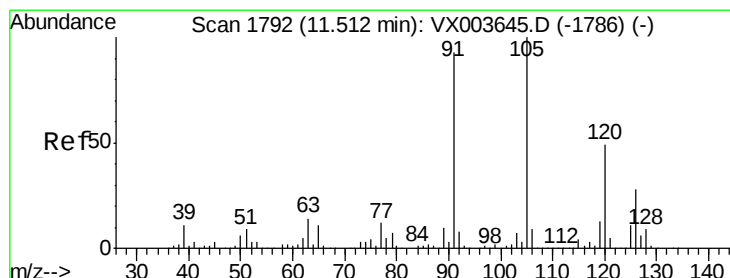
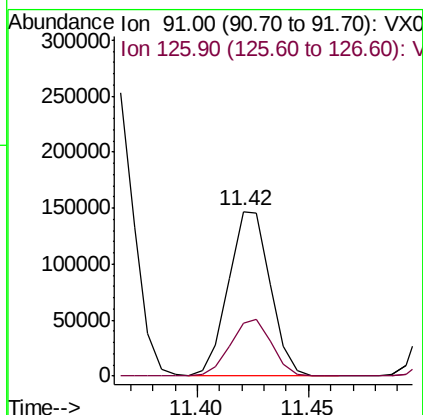
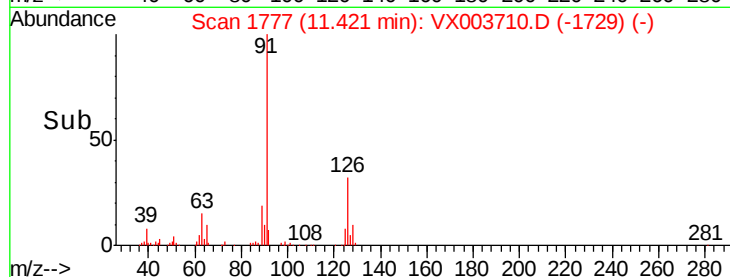
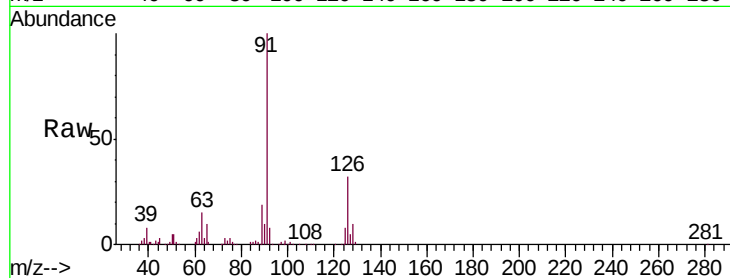
126 34.1 17.3 52.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 43.54 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003710.D

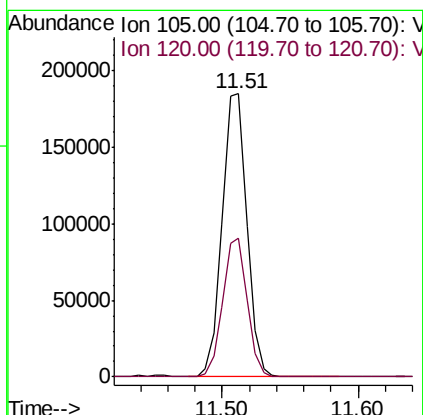
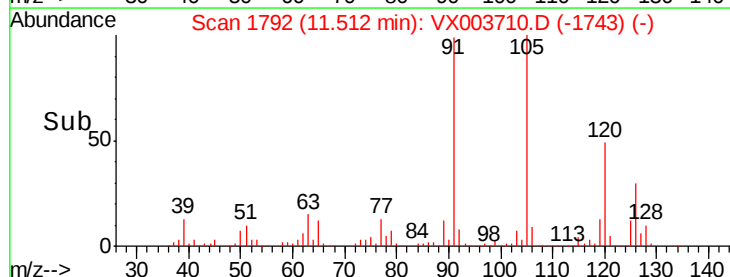
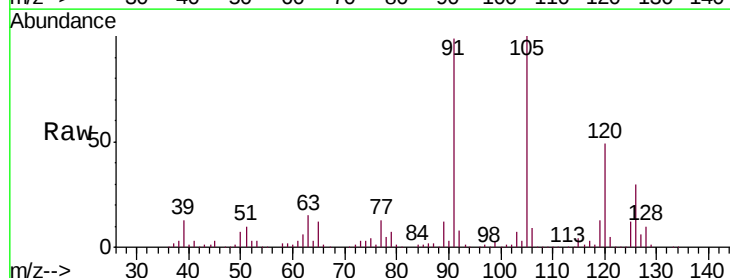
Acq: 27 Jul 2018 10:26

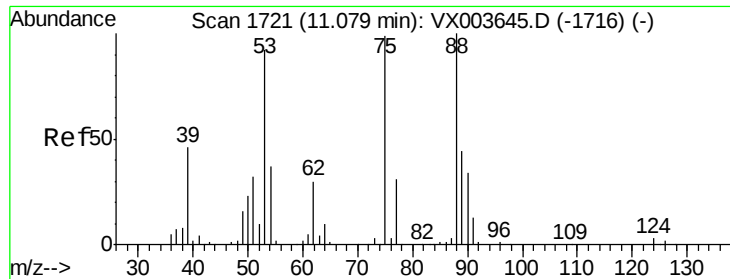
Tgt Ion: 105 Resp: 233162

Ion Ratio Lower Upper

105 100

120 48.2 24.4 73.4





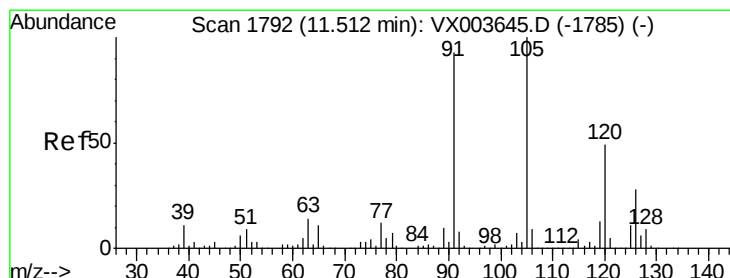
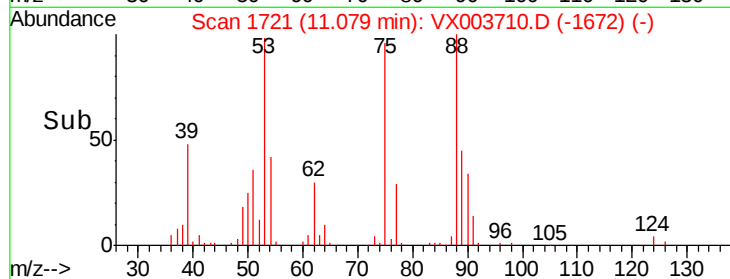
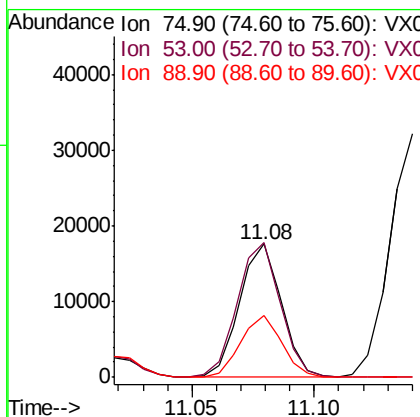
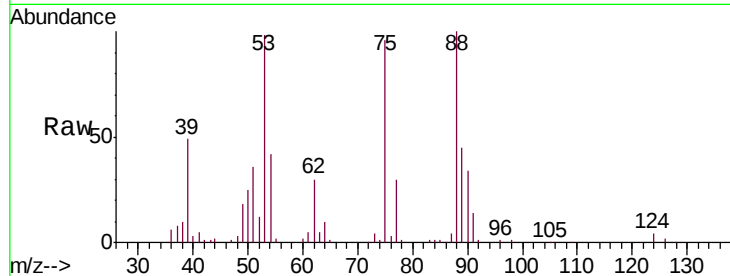
#81
trans-1,4-Dichloro-2-butene
Concen: 33.46 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampleId :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.3	77.8	116.8
89	45.7	36.6	54.8

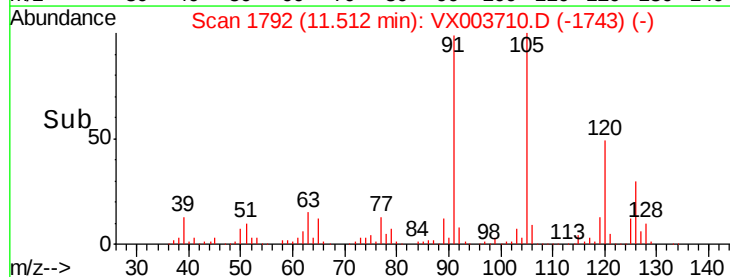
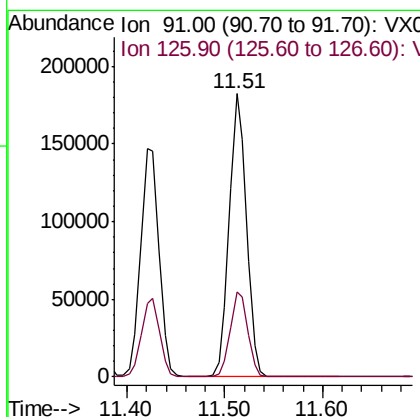
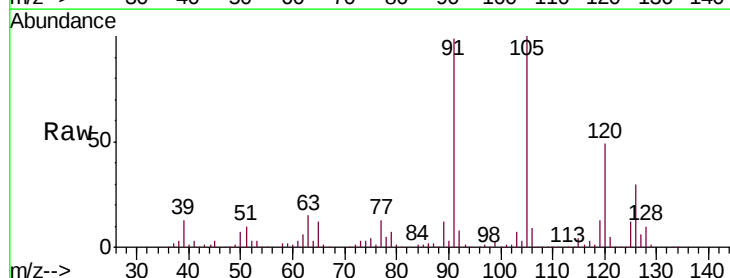
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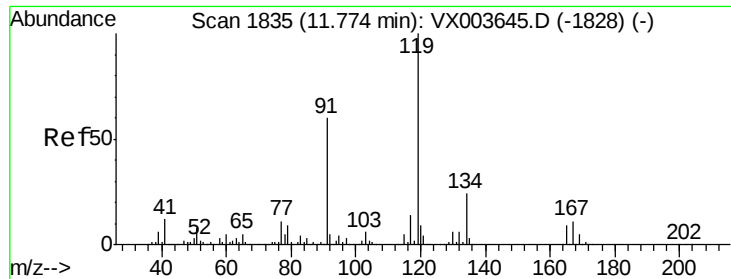
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#82
4-Chlorotoluene
Concen: 42.86 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.4	46.1





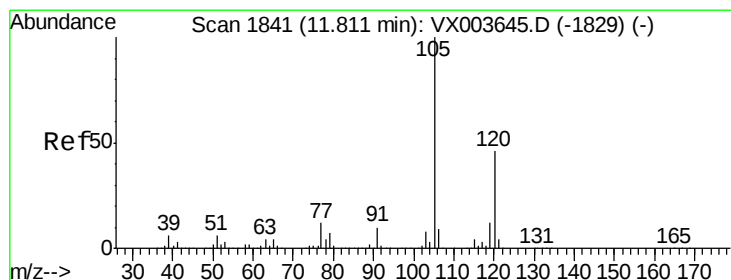
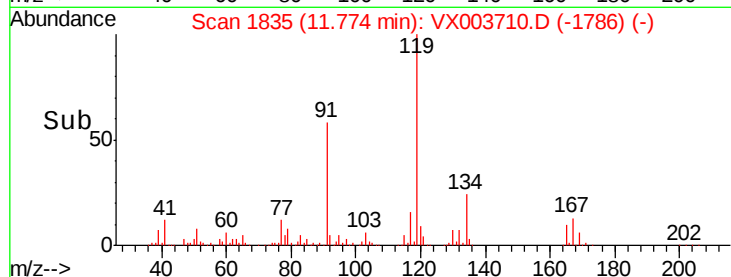
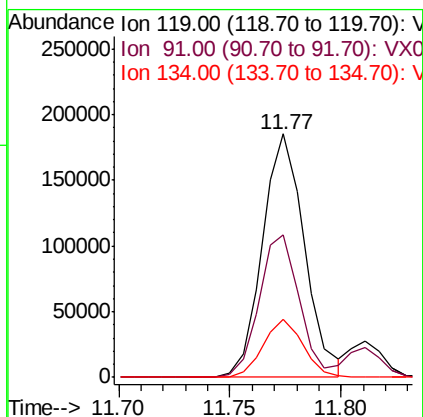
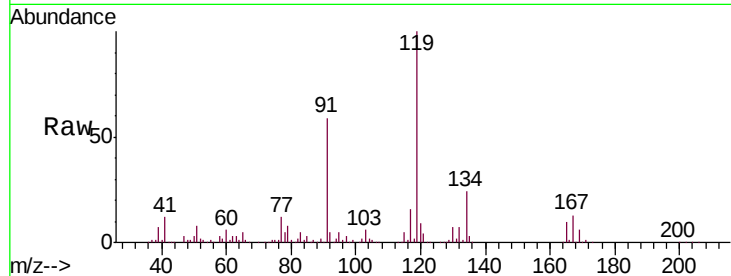
#83
tert-Butylbenzene
Concen: 46.45 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	28.4	85.2
134	22.6	11.6	34.8

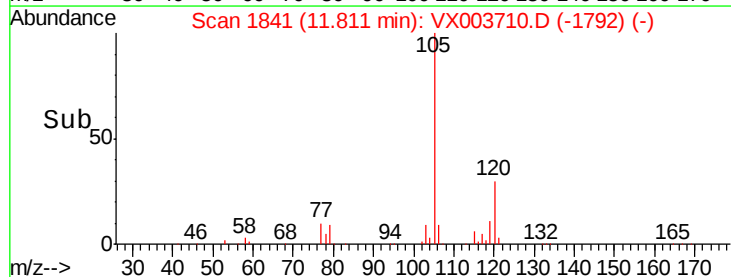
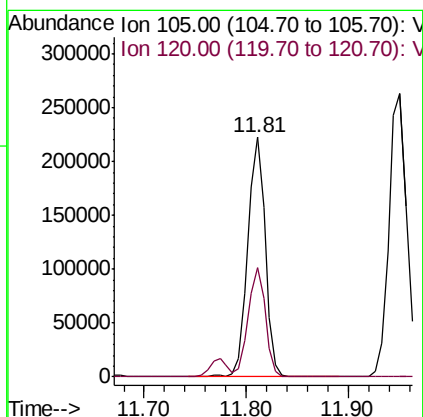
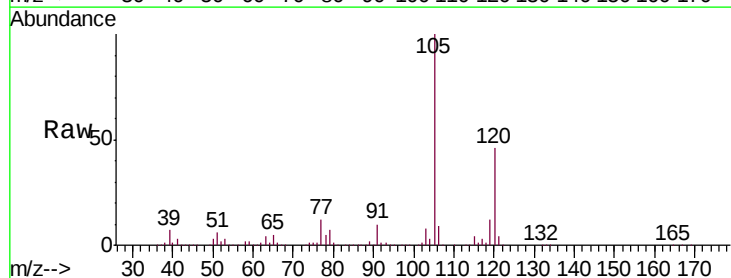
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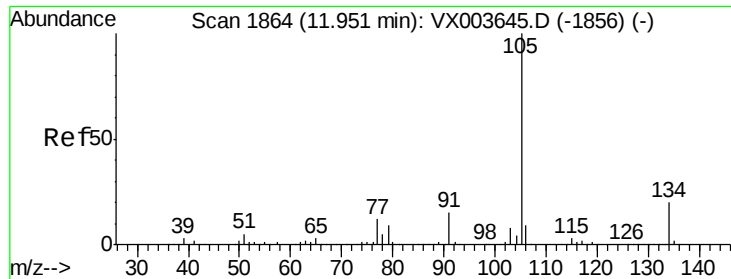
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#84
1,2,4-Trimethylbenzene
Concen: 48.26 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.8





#85

sec-Butylbenzene

Concen: 51.69 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

ClientSampled :

FL-0506MSD

Tot Ion:105 Resp: 323265

Ion Ratio Lower Upper

105 100

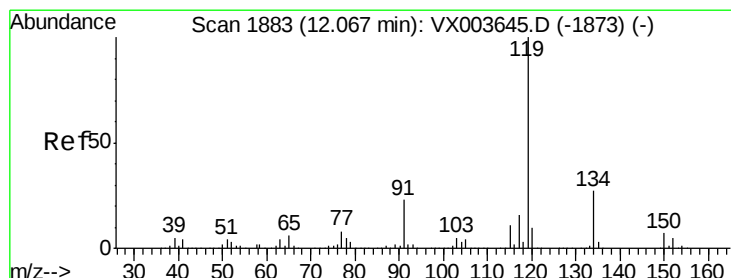
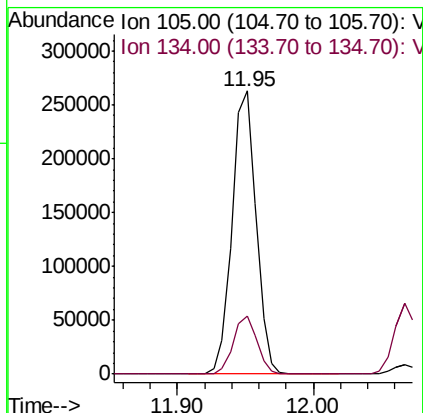
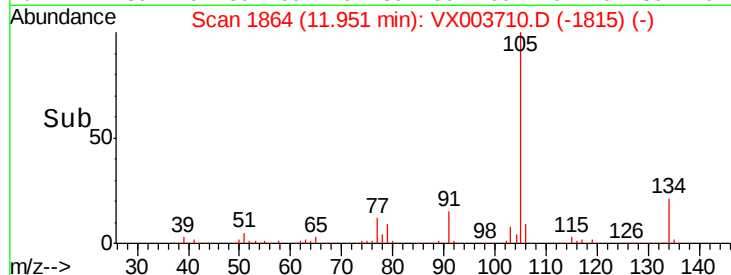
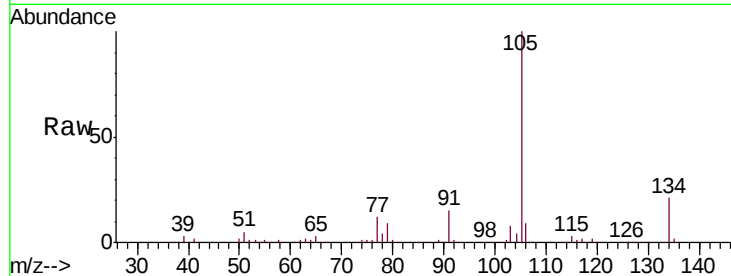
134 20.3 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.57 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

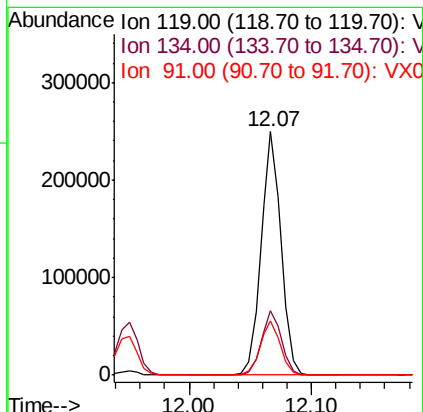
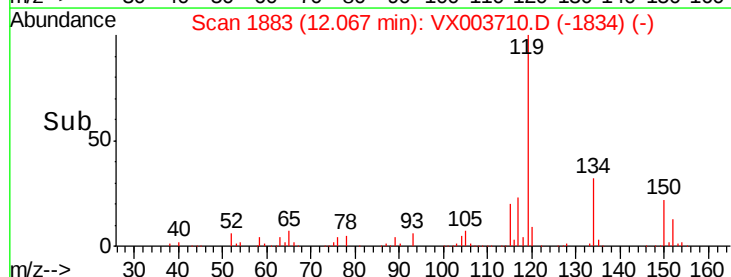
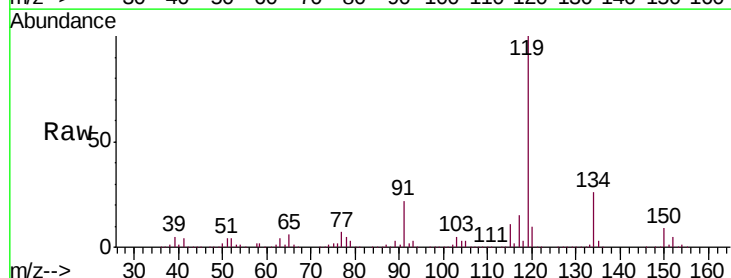
Tgt Ion:119 Resp: 283863

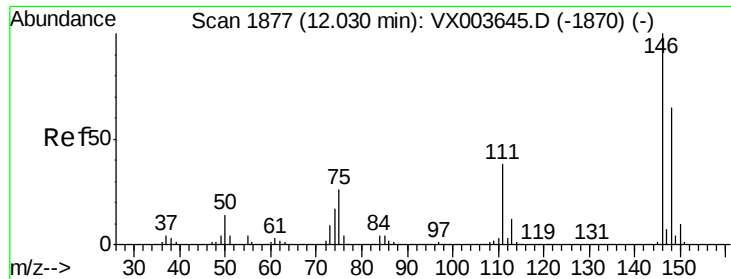
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 22.5 11.5 34.5





#87

1,3-Dichlorobenzene

Concen: 49.89 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

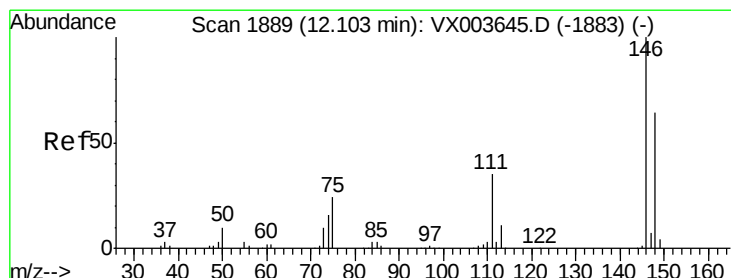
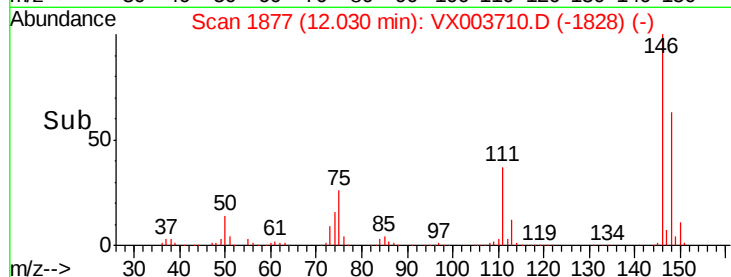
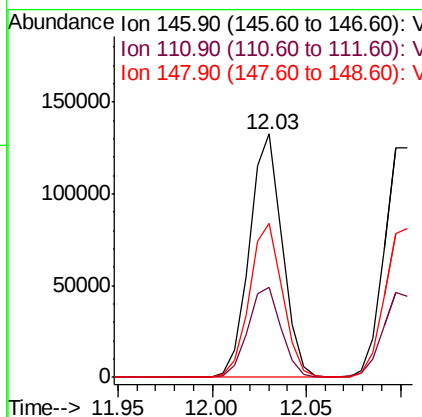
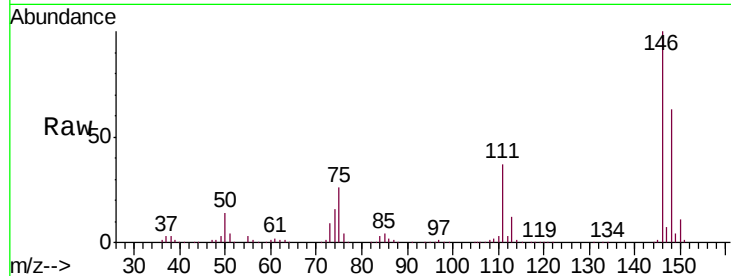
ClientSampleId :

FL-0506MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.2
148	63.7	32.4	97.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.12 ug/l

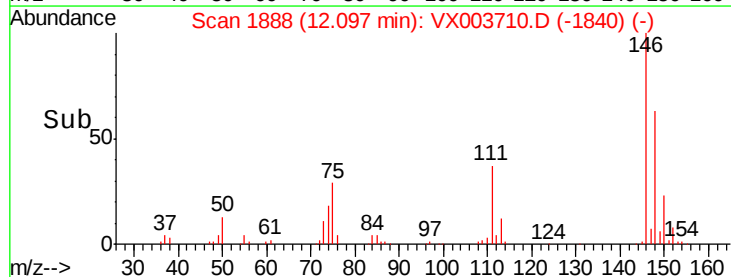
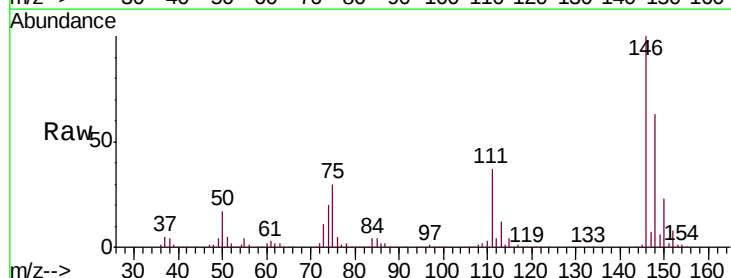
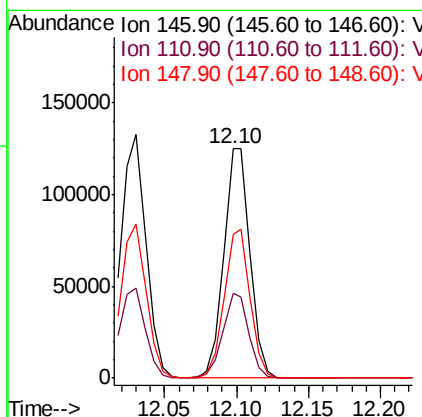
RT: 12.10 min Scan# 1888

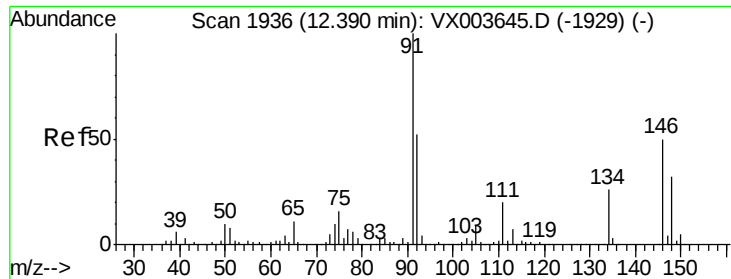
Delta R.T. -0.01 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	63.9	32.0	96.2





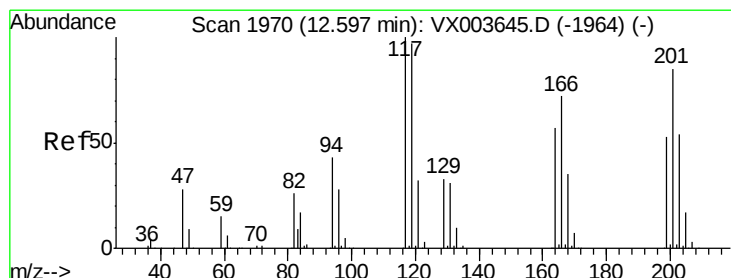
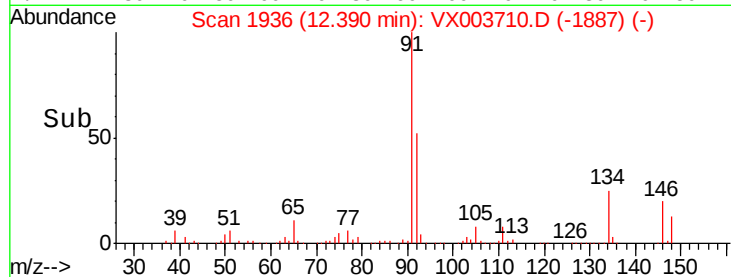
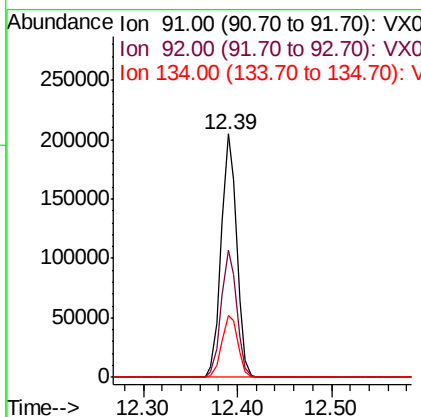
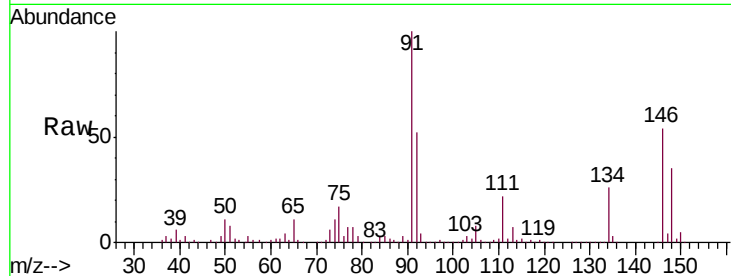
#89
n-Butylbenzene
Concen: 46.34 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	26.4	13.3	39.8

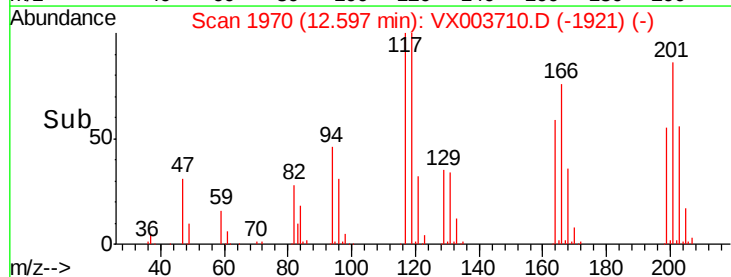
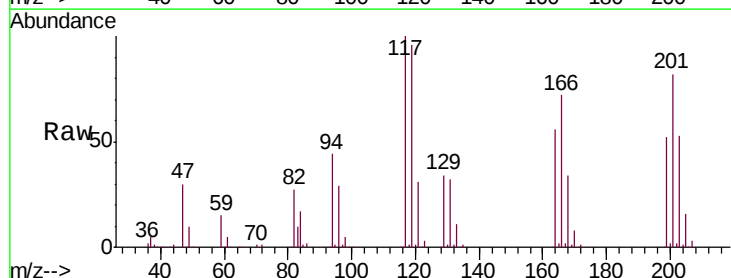
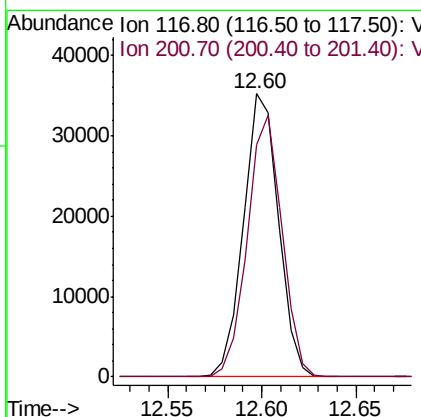
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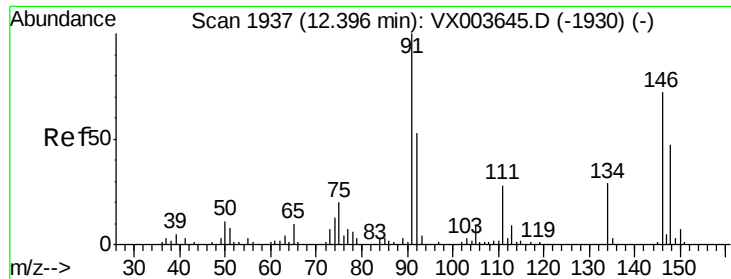
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#90
Hexachloroethane
Concen: 53.32 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	46.2	138.5





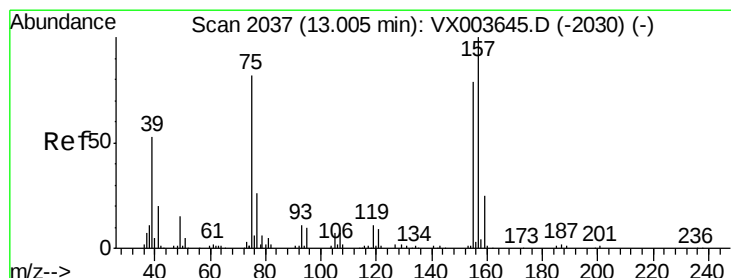
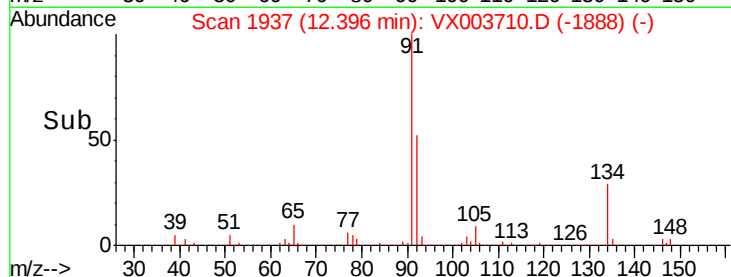
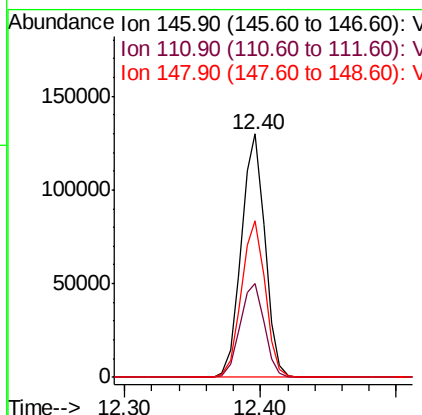
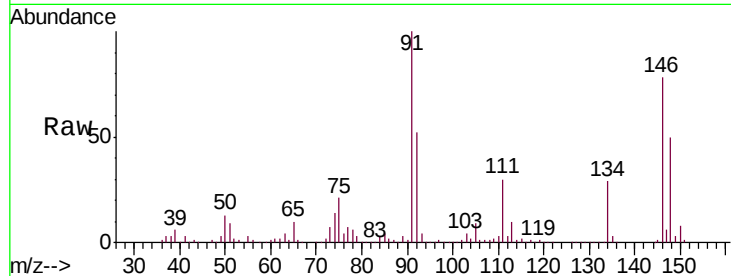
#91
 1,2-Dichlorobenzene
 Concen: 47.91 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0506MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.7	32.2	96.6

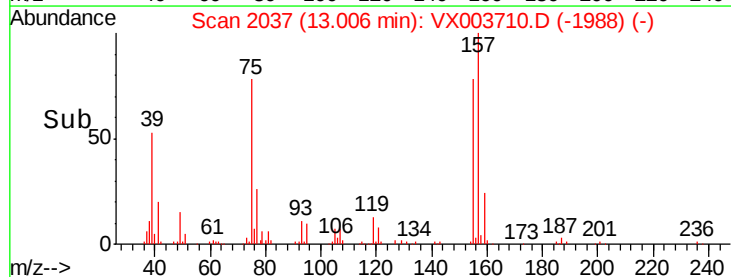
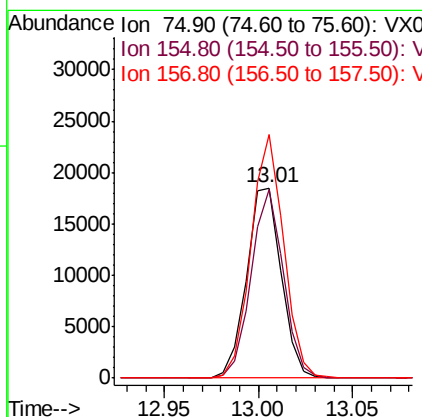
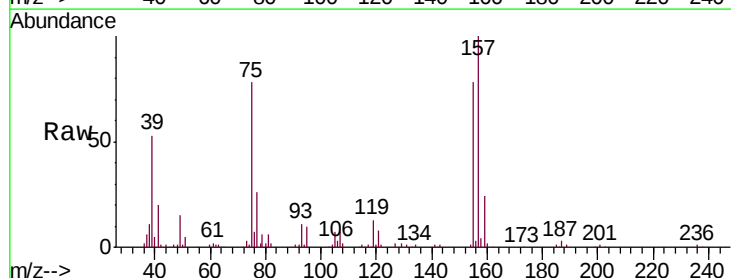
Manual Integrations
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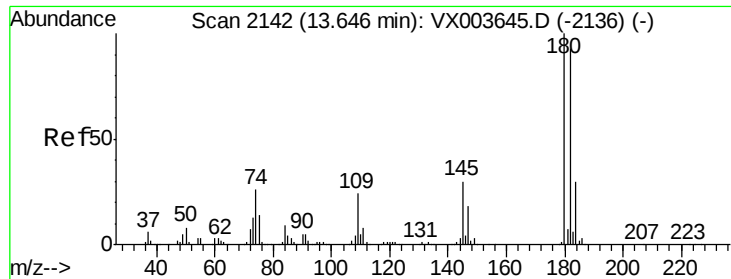
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.46 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003710.D
 Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	46.1	138.3
157	120.5	59.7	179.0





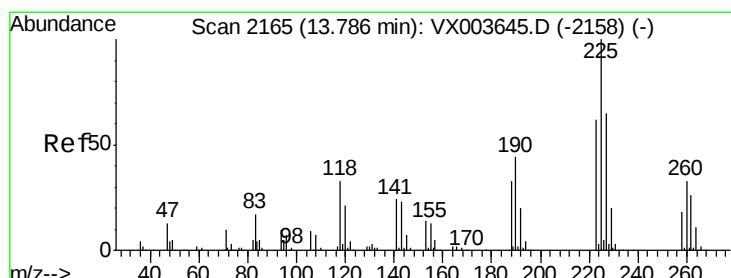
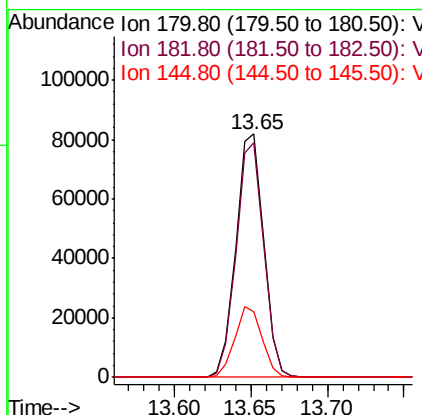
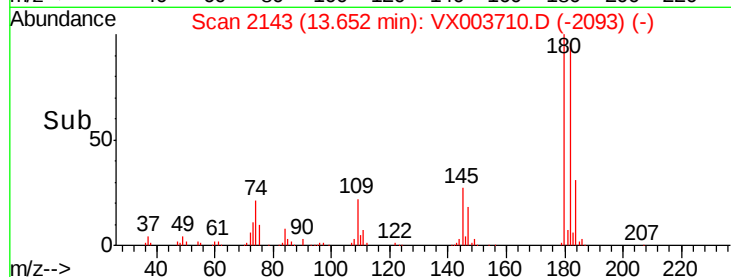
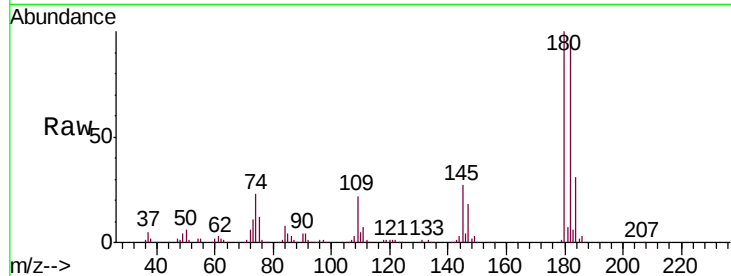
#93
1,2,4-Trichlorobenzene
Concen: 43.94 ug/l
RT: 13.65 min Scan# 2143
Delta R.T. 0.01 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Instrument :
MSVOA_X
ClientSampled :
FL-0506MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	102550		
182	95.8	47.9	143.8	
145	28.7	14.4	43.2	

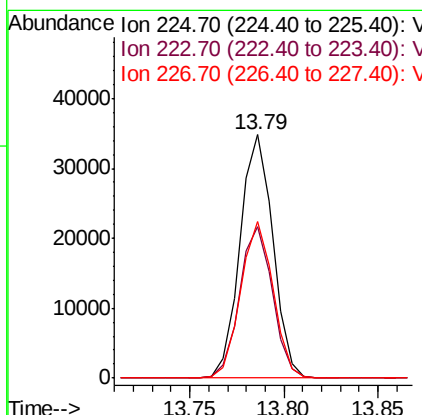
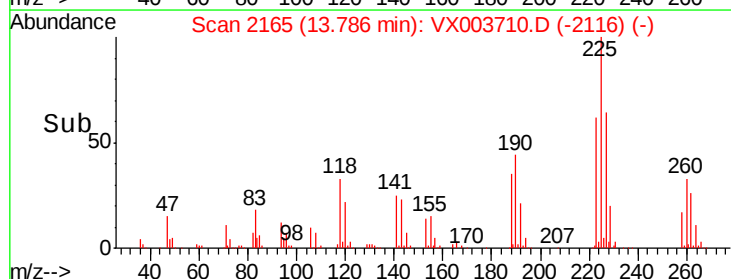
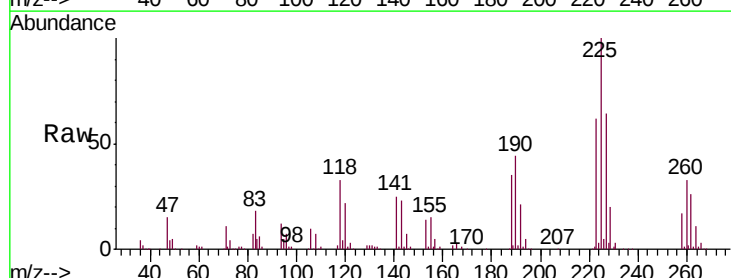
Manual Integrations
APPROVED

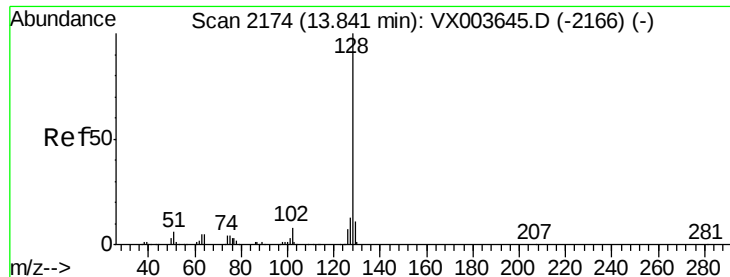
MMDadoda
7/27/2018 5:41:20 PM



#94
Hexachlorobutadiene
Concen: 39.01 ug/l
RT: 13.79 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VX003710.D
Acq: 27 Jul 2018 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42123		
223	62.0	30.9	92.5	
227	63.5	31.9	95.7	





#95

Naphthalene

Concen: 45.35 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Instrument :

MSVOA_X

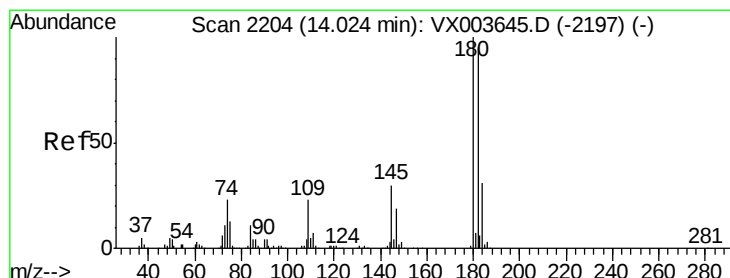
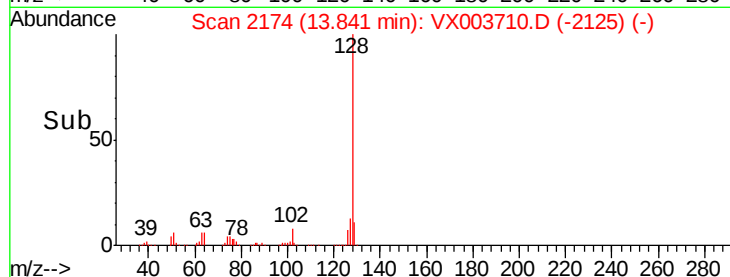
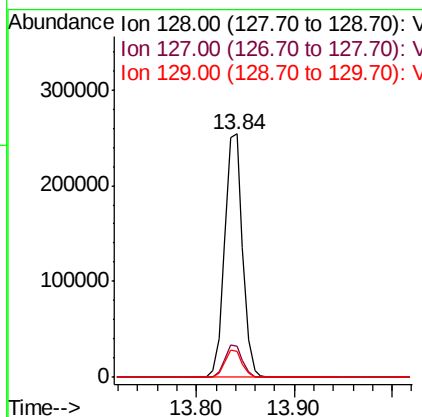
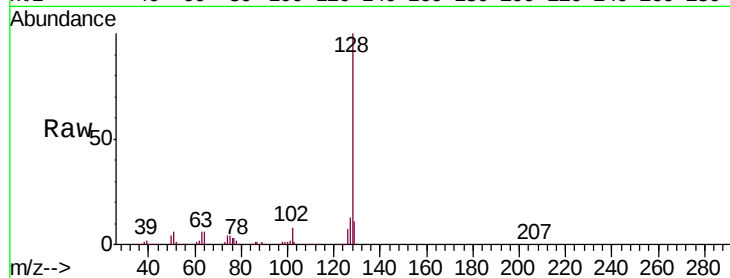
ClientSampled :

FL-0506MSD

Tot Ion:	128	Resp:	320143
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/27/2018 5:41:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 42.89 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX003710.D

Acq: 27 Jul 2018 10:26

Tgt Ion:	180	Resp:	101691
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.6	142.8
145	30.2	15.0	45.1

