

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072718\
 Data File : VX003718.D
 Acq On : 27 Jul 2018 15:58
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 3:42:31 PM

Quant Time: Jul 28 02:32:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072718W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	22621	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	123740	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	124802	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	50028	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	11.14	95	58049	28.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.30%
63) Toluene-d8	8.72	98	155617	27.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	26298	22.010	ug/l 99
3) Chloromethane	1.32	50	34932	21.723	ug/l 98
4) Vinyl Chloride	1.40	62	36950	21.848	ug/l 100
5) Bromomethane	1.64	94	25698	25.422	ug/l 99
6) Chloroethane	1.72	64	23763	21.466	ug/l 97
7) Trichlorofluoromethane	1.93	101	50029	21.993	ug/l 100
8) Diethyl Ether	2.19	74	21788	22.345	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	31775	23.037	ug/l 96
10) 1,1-Dichloroethene	2.37	96	29416	22.682	ug/l 92
11) Methyl Iodide	2.51	142	36554	20.334	ug/l 95
12) Methyl Acetate	2.78	43	53604	22.338	ug/l 96
13) Acrolein	2.29	56	18898	100.972	ug/l 99
14) Acrylonitrile	3.15	53	102950	108.879	ug/l 98
15) Acetone	2.45	58	27707	107.984	ug/l 85
16) Carbon Disulfide	2.57	76	84002	23.323	ug/l 99
17) Allyl chloride	2.73	41	59072	22.008	ug/l 91
18) Methylene Chloride	2.85	84	34319	22.339	ug/l 95
19) trans-1,2-Dichloroethene	3.17	96	31776	22.667	ug/l 97
20) Diisopropyl ether	3.87	45	110783	22.476	ug/l 99
21) 1,1-Dichloroethane	3.70	63	60720	21.761	ug/l 98
22) cis-1,2-Dichloroethene	4.60	96	29988	21.183	ug/l # 77
23) tert-Butyl Alcohol	3.07	59	42737	107.601	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	104479	22.463	ug/l 91
25) Chloroform	5.21	83	49389	20.438	ug/l 98
26) Cyclohexane	5.57	56	43618	20.808	ug/l # 99
29) 1,1-Dichloropropene	5.80	75	38132	20.868	ug/l 99
30) 2-Butanone	4.71	43	116477	99.817	ug/l 96
31) 2,2-Dichloropropane	4.58	77	40576	22.925	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	42223	20.196	ug/l 99
33) Carbon Tetrachloride	5.78	117	35533	19.559	ug/l 92
34) Benzene	6.15	78	111102	19.790	ug/l 99
35) Methacrylonitrile	5.07	41	24232	19.983	ug/l 94
36) 1,2-Dichloroethane	6.20	62	39645	19.647	ug/l 99
37) Trichloroethene	7.21	130	32064	21.913	ug/l 93
38) Methylcyclohexane	7.46	83	43825	21.106	ug/l 99
39) 1,2-Dichloropropane	7.52	63	29083	19.603	ug/l 96
40) Dibromomethane	7.67	93	18923	19.710	ug/l 95

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Quant Time: Jul 28 02:32:59 2018
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 27 16:17:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	34900	19.026	ug/l	98
42) Vinyl Acetate	3.82	43	479368	106.910	ug/l	99
43) Ethyl Acetate	4.87	43	43899	20.140	ug/l	98
44) Isopropyl Acetate	6.47	43	66471	19.883	ug/l	98
45) 1,4-Dioxane	7.76	88	13888	374.055	ug/l #	89
46) Methyl methacrylate	7.78	41	33956	19.687	ug/l	94
47) n-amyl Acetate	10.90	43	61452	19.469	ug/l #	89
48) t-1,3-Dichloropropene	8.44	75	45502	20.443	ug/l	100
49) cis-1,3-Dichloropropene	9.04	75	39607	18.966	ug/l	96
50) 1,1,2-Trichloroethane	9.22	97	28093	18.432	ug/l	98
51) Ethyl methacrylate	9.18	69	42038	18.318	ug/l	93
52) 1,3-Dichloropropane	9.37	76	48857	19.263	ug/l	100
53) Dibromochloromethane	9.59	129	27289	18.228	ug/l	99
54) 1,2-Dibromoethane	9.68	107	29079	18.245	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	100949	85.285	ug/l	99
56) Bromoform	10.86	173	20119	17.317	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	232390	98.616	ug/l	95
59) 2-Hexanone	9.50	43	172301	91.828	ug/l	97
61) Tetrachloroethene	9.34	164	26164	18.014	ug/l	97
62) Toluene	8.79	91	121829	18.808	ug/l	99
64) Chlorobenzene	10.14	112	81940	19.574	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.23	131	27082	18.284	ug/l	98
66) Ethyl Benzene	10.26	91	135653	19.031	ug/l	99
67) m/p-Xylenes	10.36	106	103494	37.695	ug/l	99
68) o-Xylene	10.70	106	48972	18.645	ug/l	98
69) Styrene	10.71	104	83304	18.731	ug/l	97
70) Isopropylbenzene	11.02	105	140212	19.388	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	47286	18.317	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	50151m	23.353	ug/l	
73) Bromobenzene	11.26	156	35519	18.225	ug/l	98
74) n-propylbenzene	11.36	91	179893	21.119	ug/l	99
75) 2-Chlorotoluene	11.43	91	104118	20.739	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	124690	20.320	ug/l	99
77) t-1,4-Dichloro-2-butene	11.08	75	13306	18.183	ug/l	91
78) 4-Chlorotoluene	11.51	91	121603	20.701	ug/l	100
79) tert-butylbenzene	12.07	119	130815	20.719	ug/l	99
80) 1,2,4-Trimethylbenzene	11.81	105	121205	19.300	ug/l	100
81) sec-Butylbenzene	11.95	105	140630	19.679	ug/l	98
82) p-Isopropyltoluene	12.07	119	130815	20.719	ug/l	99
83) 1,3-Dichlorobenzene	12.03	146	73012	20.514	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	72592	20.258	ug/l	99
85) n-Butylbenzene	12.39	91	119101	21.252	ug/l	99
86) Hexachloroethane	12.60	117	20280	19.933	ug/l	98
87) 1,2-Dichlorobenzene	12.40	146	73355	20.531	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.01	75	10497	19.265	ug/l	99
89) 1,2,4-Trichlorobenzene	13.65	180	47308	18.857	ug/l	99
90) Hexachlorobutadiene	13.79	225	22666	19.932	ug/l	99
91) Naphthalene	13.84	128	140402	18.312	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	47685	18.666	ug/l	100

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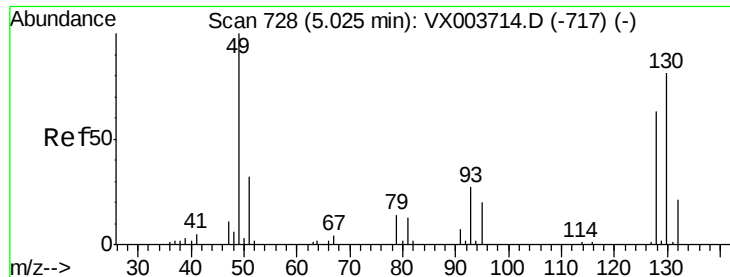
Manual Integrations
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QLast Update : Fri Jul 27 16:17:43 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

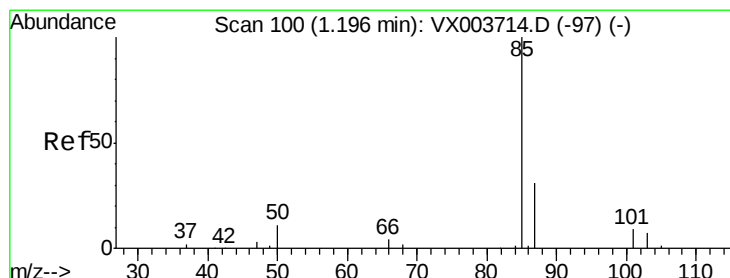
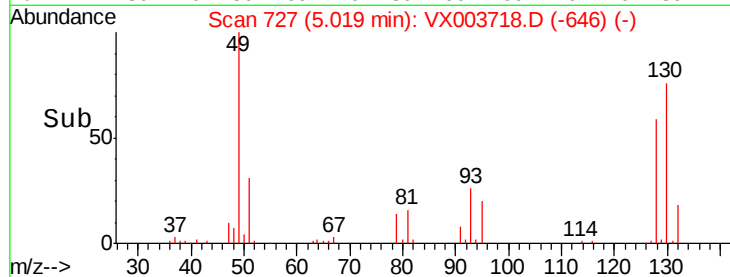
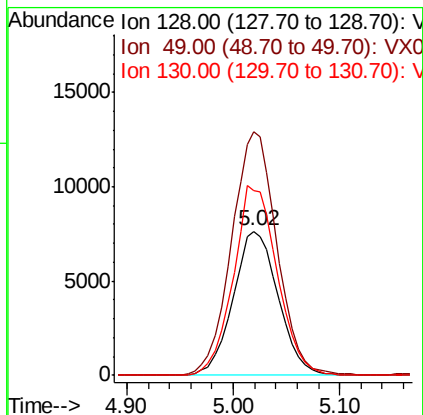
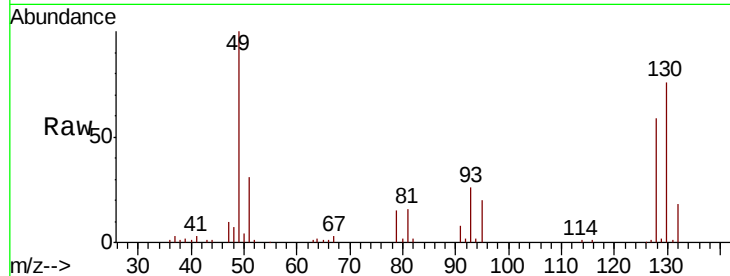
ClientSampleId :

ICVVX072718

Tot Ion:	128	Resp:	22621
Ion	Ratio	Lower	Upper
128	100		
49	169.9	0.0	423.0
130	128.9	0.0	324.3

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#2

Dichlorodifluoromethane

Concen: 22.010 ug/l

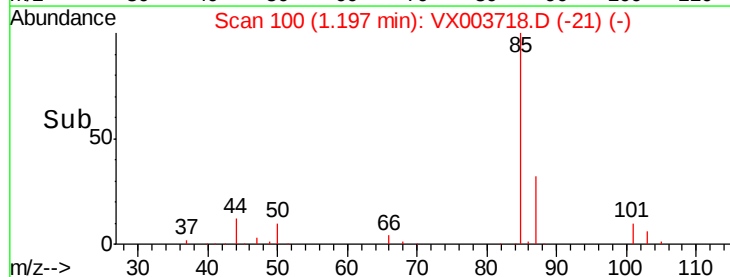
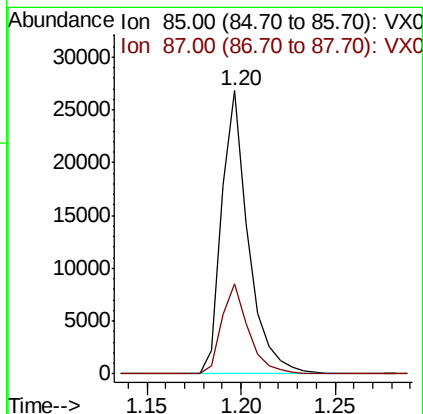
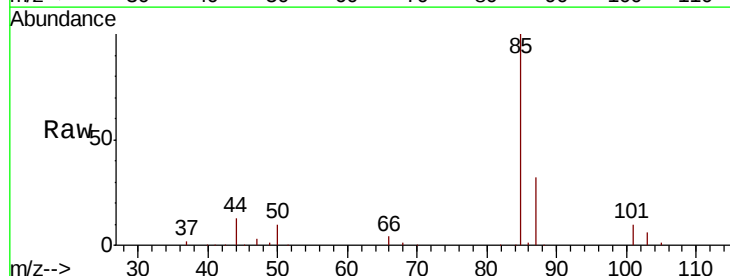
RT: 1.20 min Scan# 100

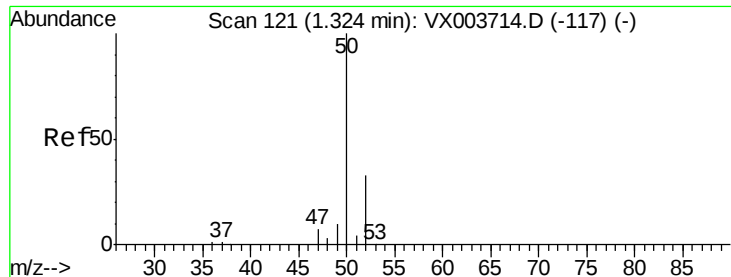
Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Tgt Ion:	85	Resp:	26298
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.2	48.5





#3

Chloromethane

Concen: 21.723 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072718

Tot Ion: 50 Resp: 34932

Ion Ratio Lower Upper

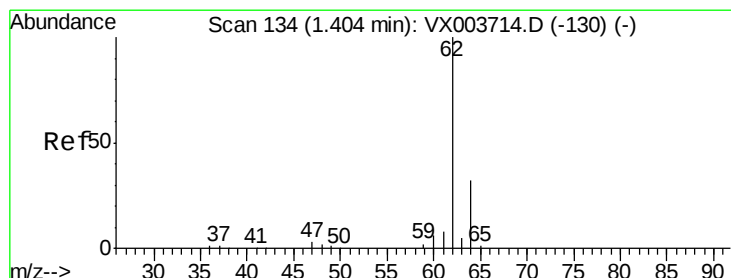
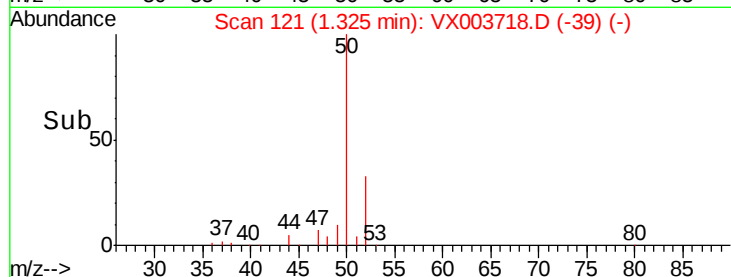
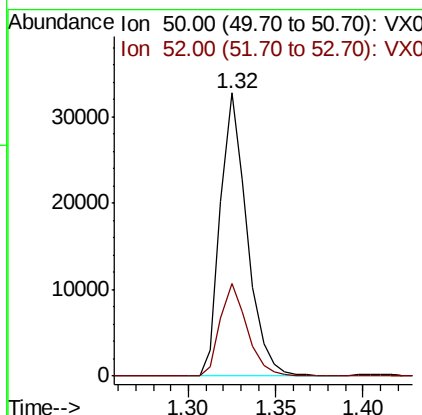
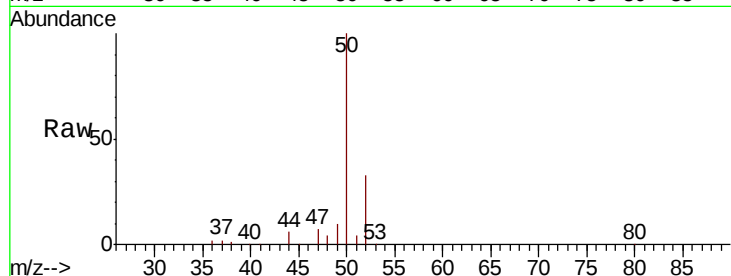
50 100

52 32.9 25.6 38.4

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#4

Vinyl Chloride

Concen: 21.848 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003718.D

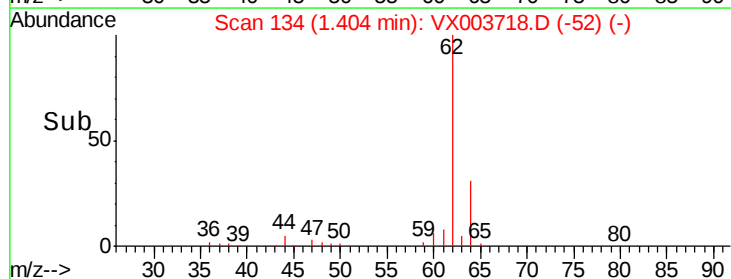
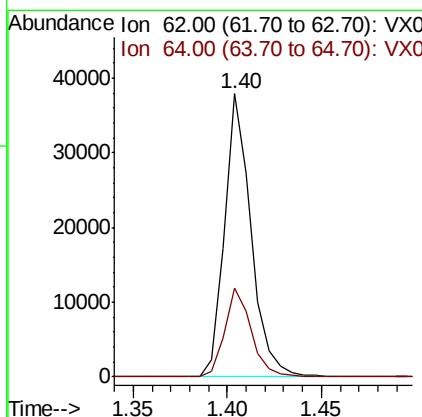
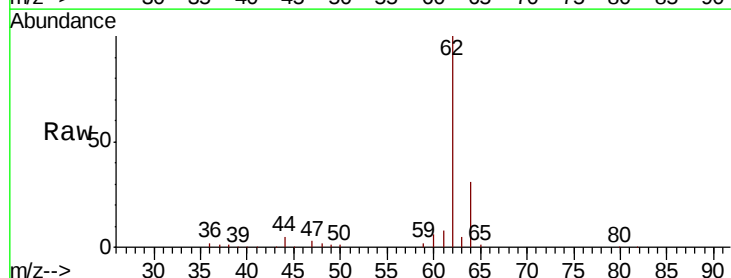
Acq: 27 Jul 2018 15:58

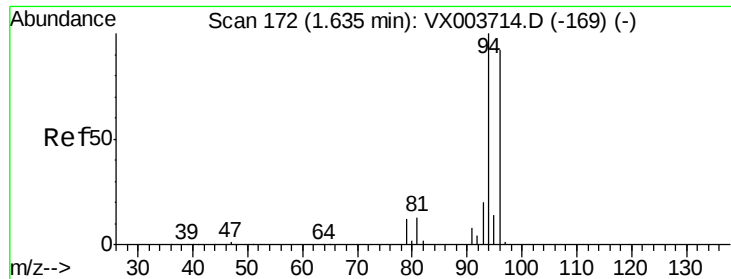
Tgt Ion: 62 Resp: 36950

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 25.422 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072718

Tot Ion: 94 Resp: 25698

Ion Ratio Lower Upper

94 100

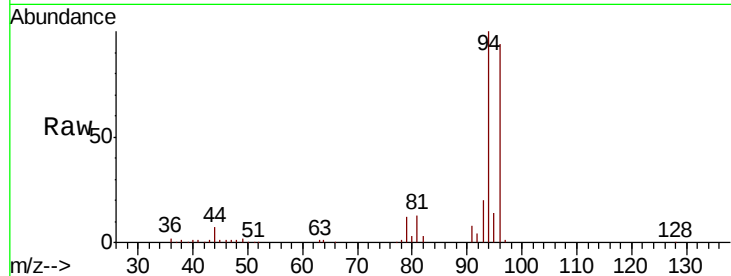
96 93.7 75.7 113.5

Manual Integrations

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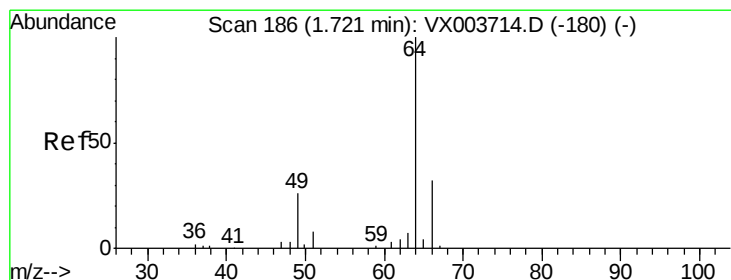
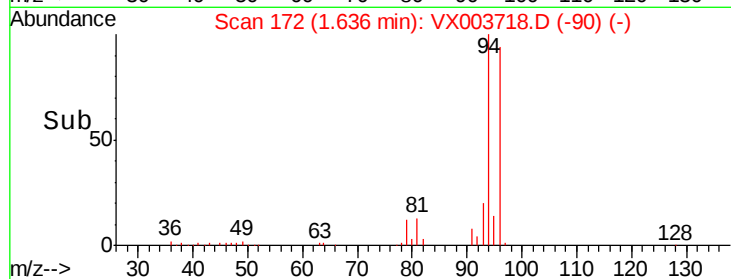
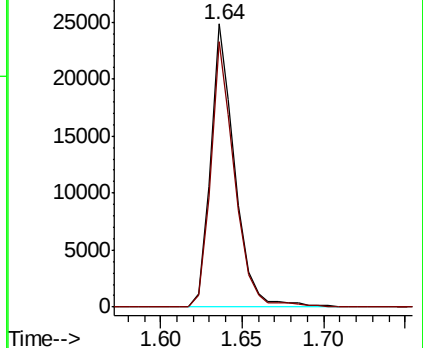
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Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0



#6

Chloroethane

Concen: 21.466 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX003718.D

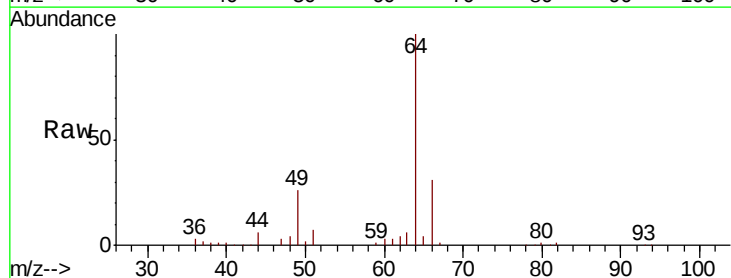
Acq: 27 Jul 2018 15:58

Tgt Ion: 64 Resp: 23763

Ion Ratio Lower Upper

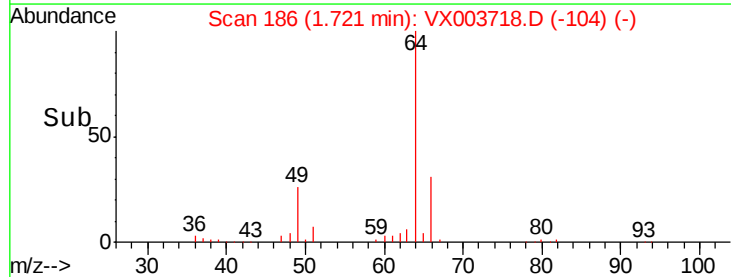
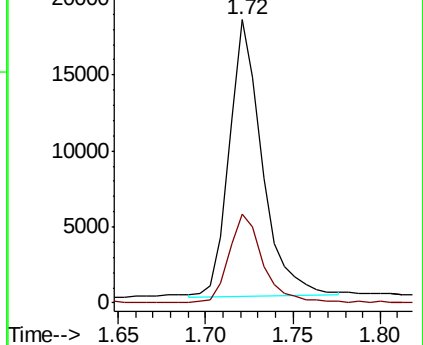
64 100

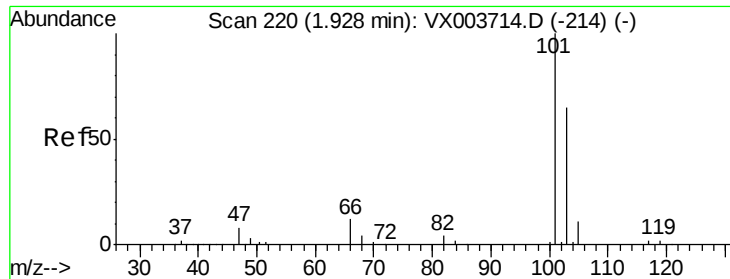
66 32.0 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VX0

Ion 66.00 (65.70 to 66.70): VX0





#7

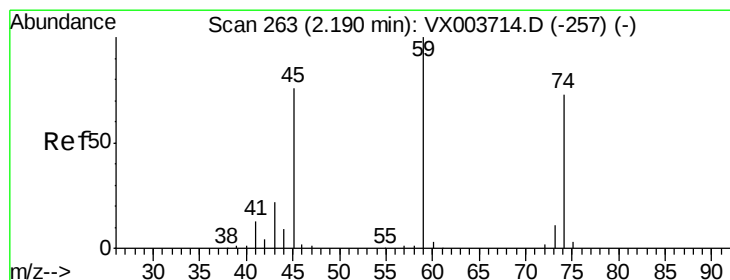
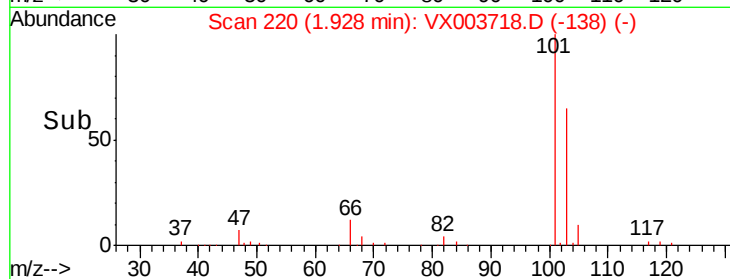
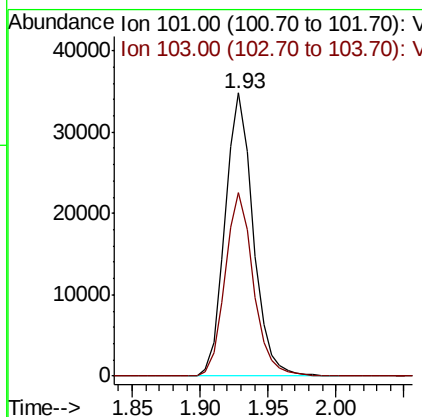
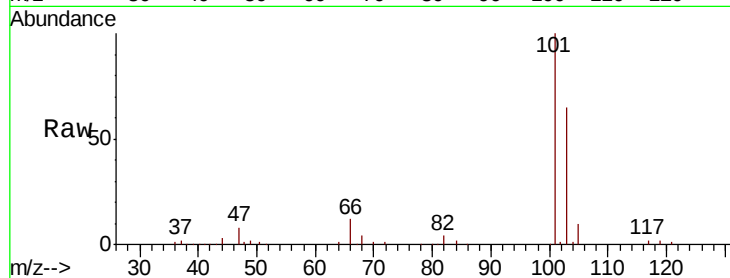
Trichlorofluoromethane
 Concen: 21.993 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
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 ClientSampleId :
 ICVVX072718

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.5	77.3

Manual Integrations
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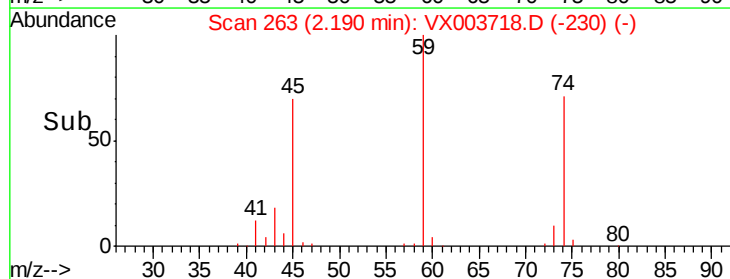
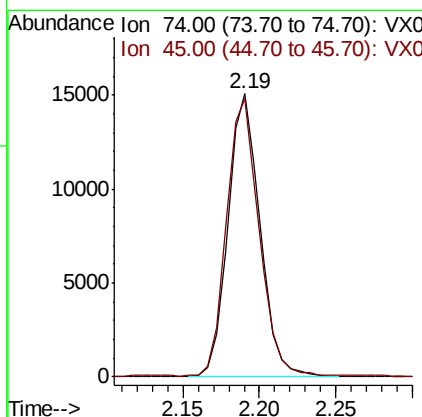
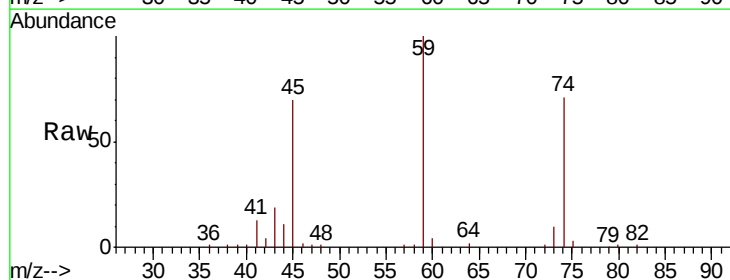
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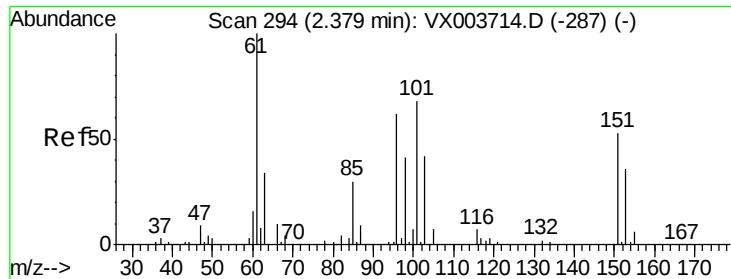


#8

Diethyl Ether
 Concen: 22.345 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	20.5	184.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.037 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

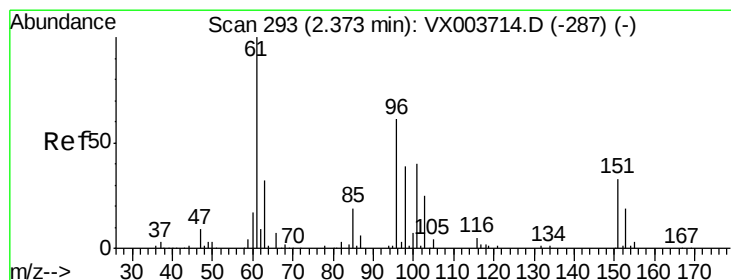
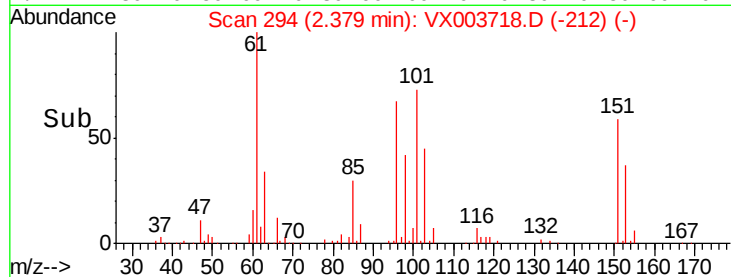
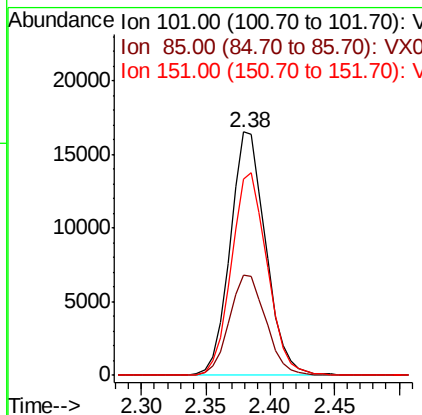
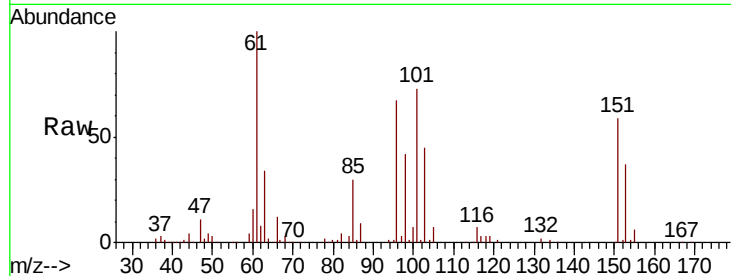
ClientSampleId :

ICVVX072718

Tot Ion	Ratio	Resp	Lower	Upper
101	100	31775		
85	42.4	0.0	87.0	
151	83.8	0.0	177.6	

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 22.682 ug/l

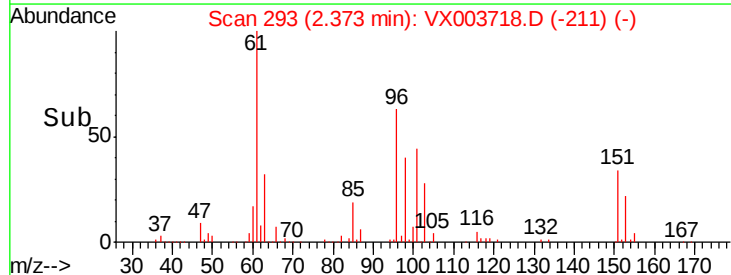
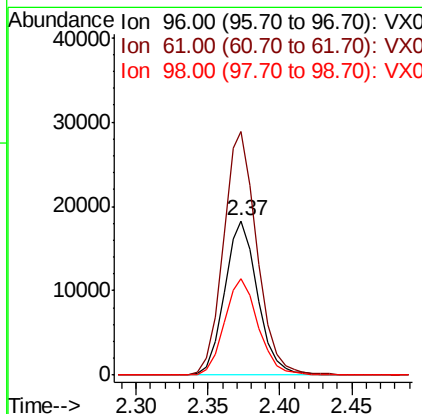
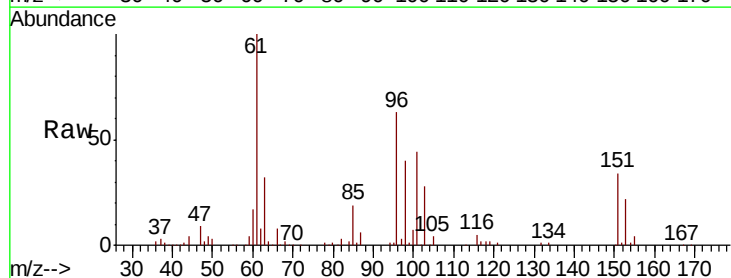
RT: 2.37 min Scan# 293

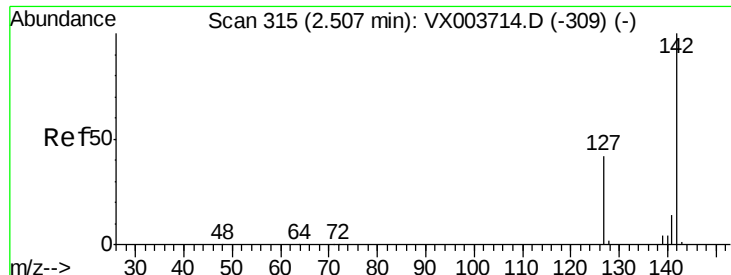
Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	29416		
61	157.7	137.5	206.3	
98	62.9	51.4	77.2	





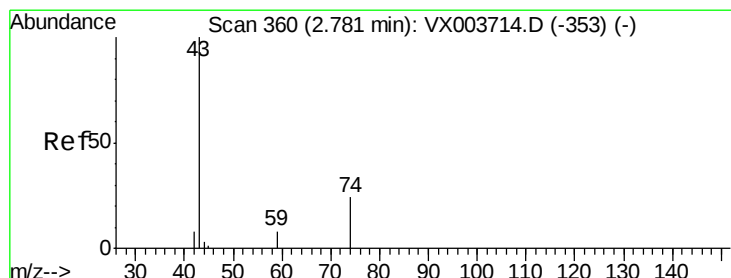
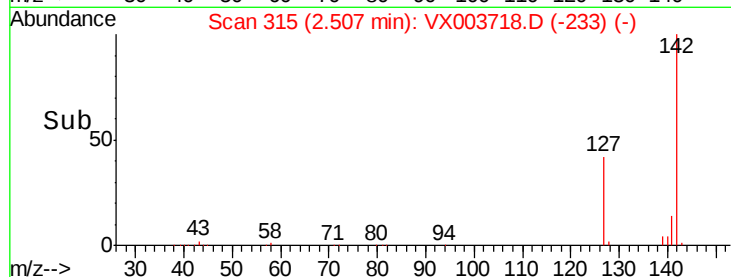
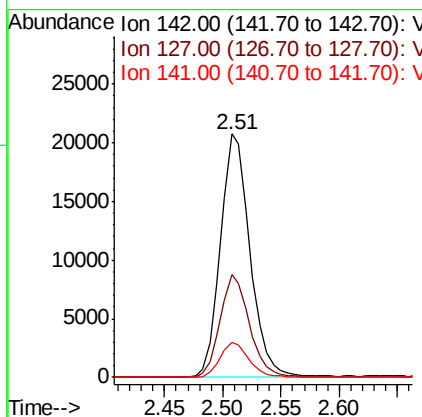
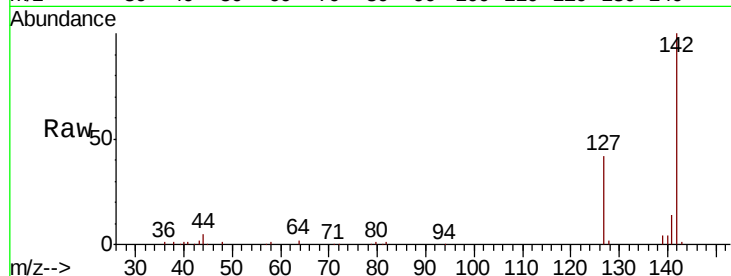
#11
Methyl Iodide
Concen: 20.334 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.3	23.2	69.6
141	14.3	7.4	22.2

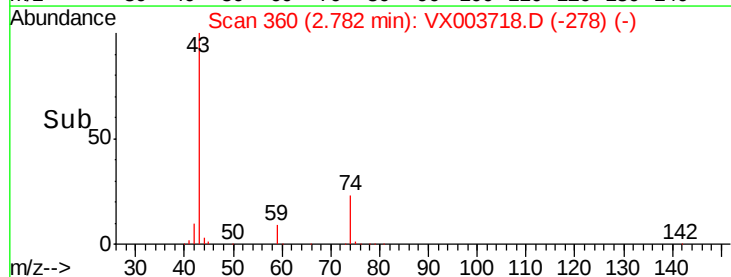
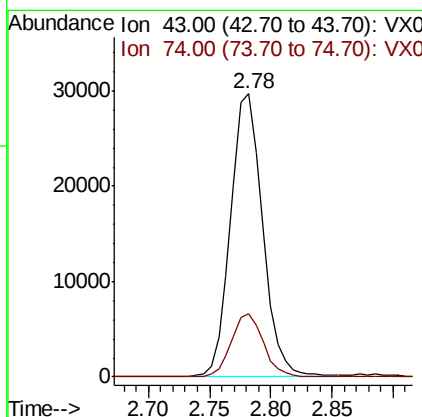
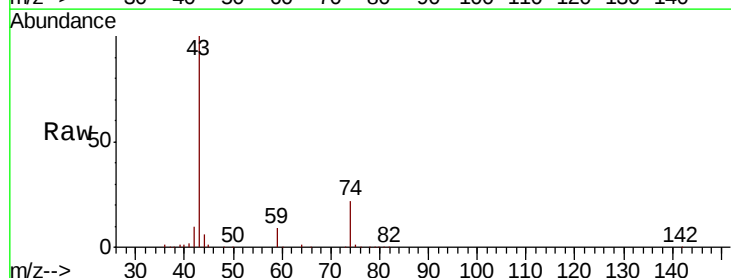
Manual Integrations
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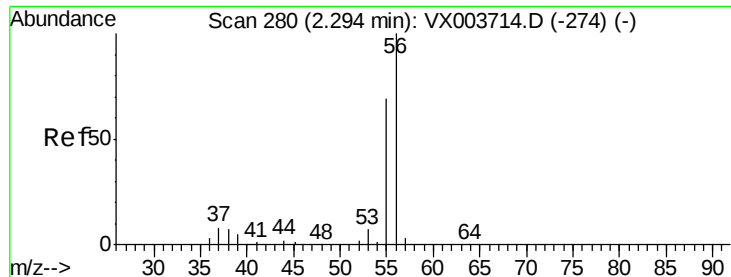
MMDadoda
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#12
Methyl Acetate
Concen: 22.338 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	16.4	24.6





#13

Acrolein

Concen: 100.972 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

ClientSampled :

ICVVX072718

Tot Ion: 56 Resp: 18898

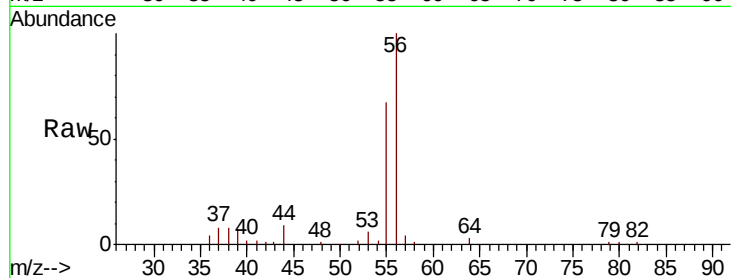
Ion Ratio Lower Upper

56 100

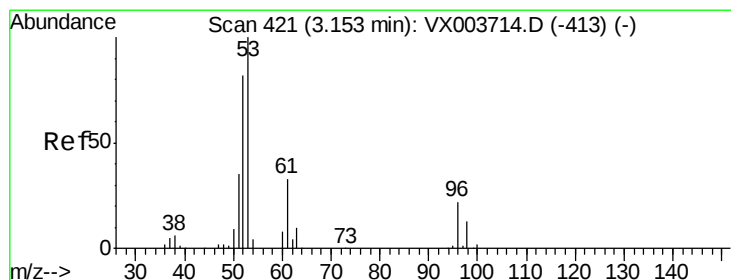
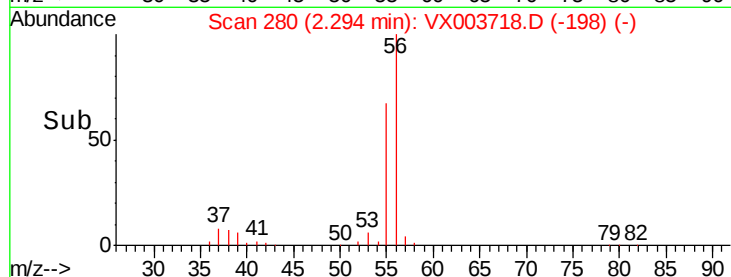
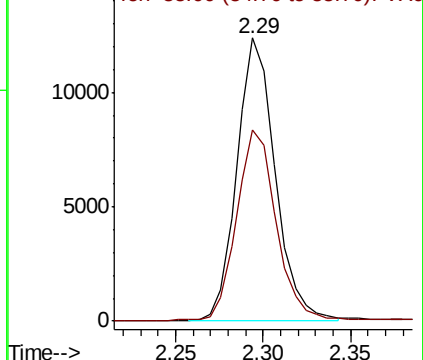
55 70.4 57.3 85.9

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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#14

Acrylonitrile

Concen: 108.879 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

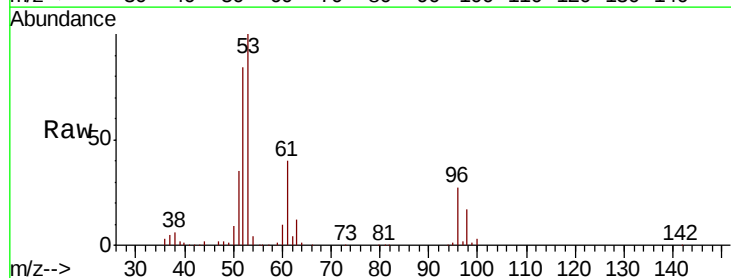
Tgt Ion: 53 Resp: 102950

Ion Ratio Lower Upper

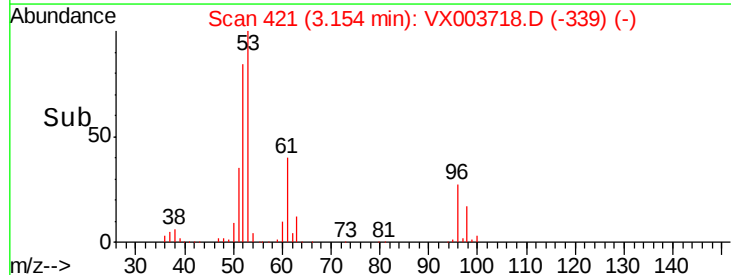
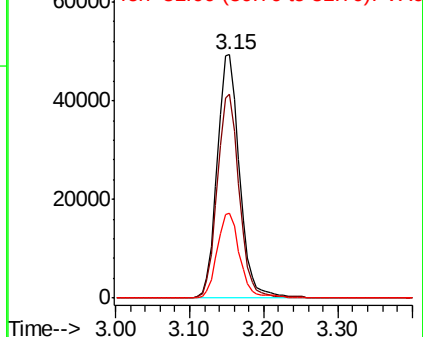
53 100

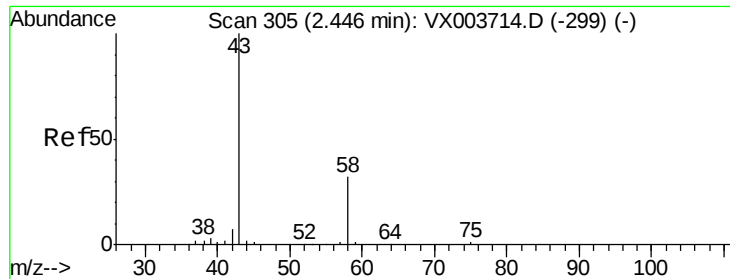
52 81.6 41.5 124.6

51 34.1 17.9 53.8



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 107.984 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072718

Tot Ion: 58 Resp: 27707

Ion Ratio Lower Upper

58 100

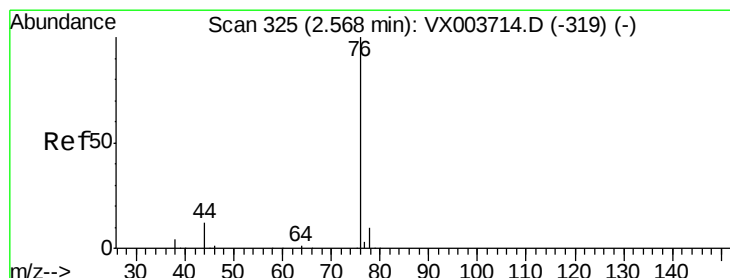
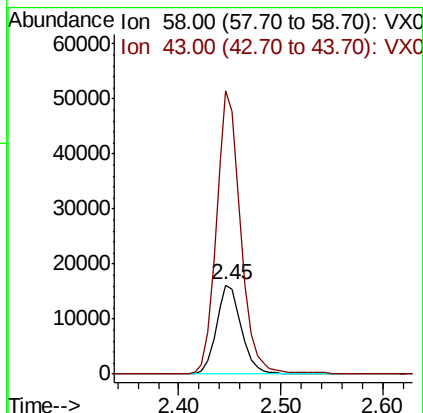
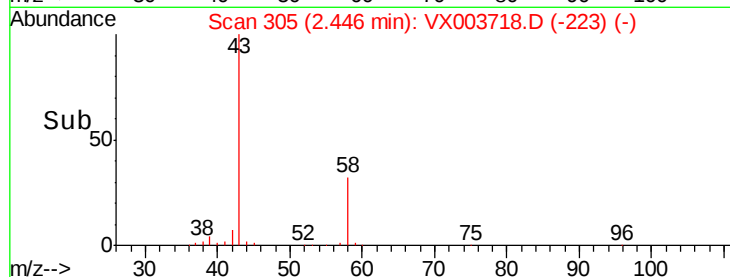
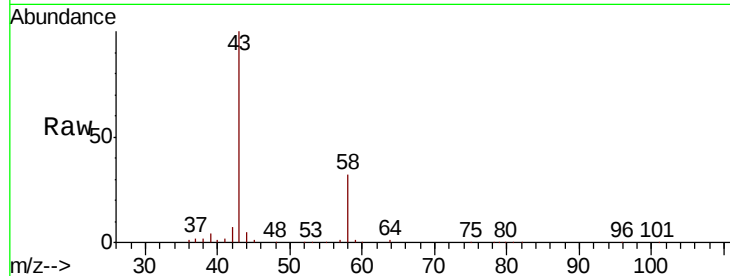
43 316.3 278.8 418.2

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#16

Carbon Disulfide

Concen: 23.323 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003718.D

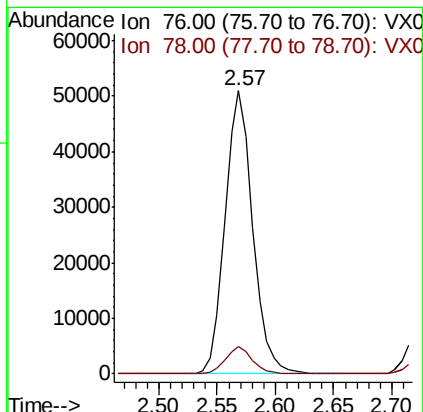
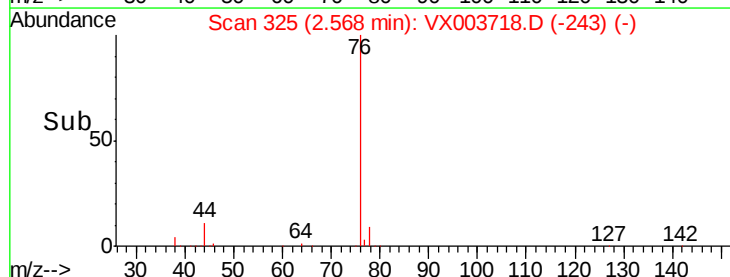
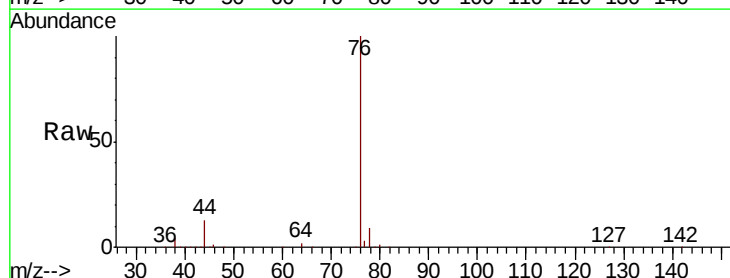
Acq: 27 Jul 2018 15:58

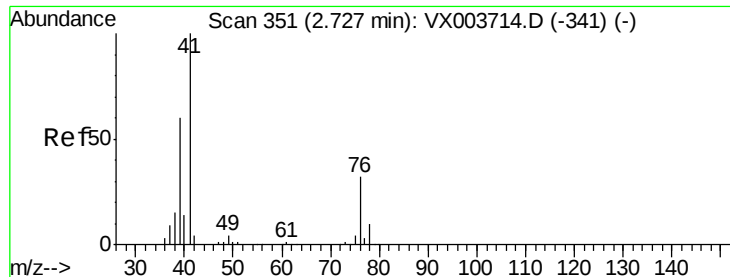
Tgt Ion: 76 Resp: 84002

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0





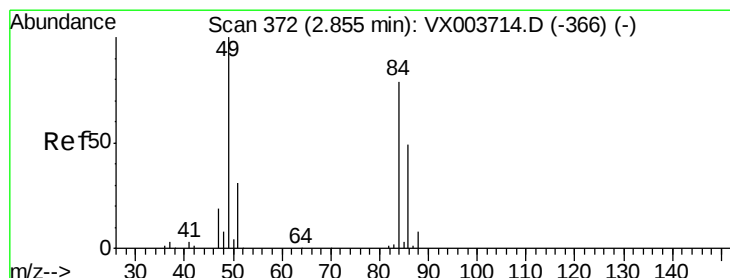
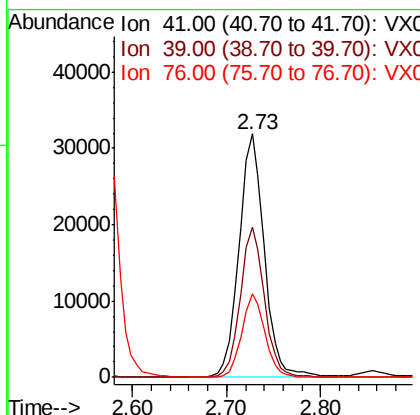
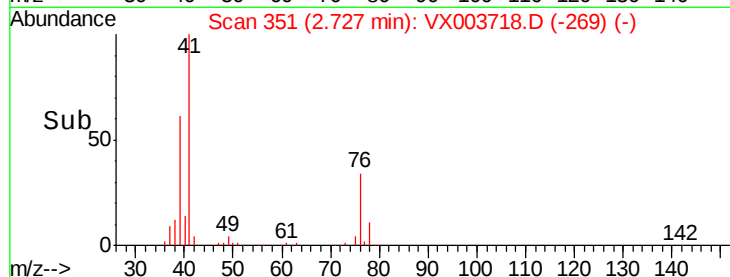
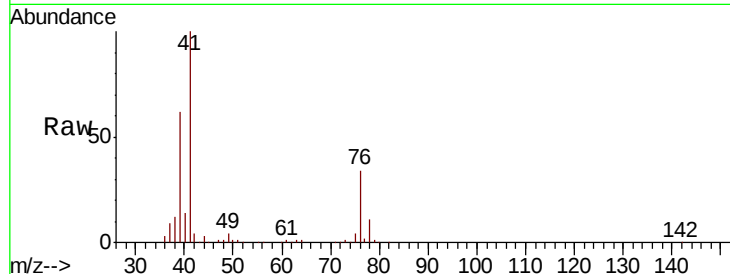
#17
Allvl chloride
Concen: 22.008 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.4	34.6	103.8
76	34.3	15.0	45.1

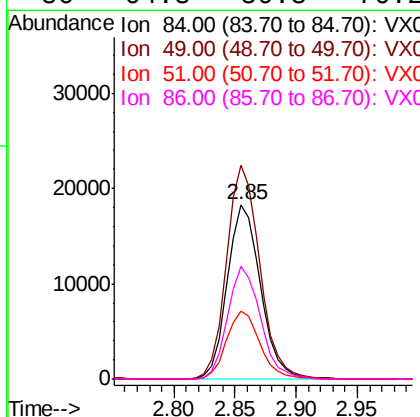
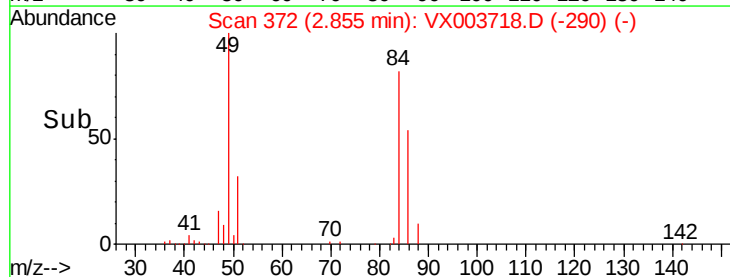
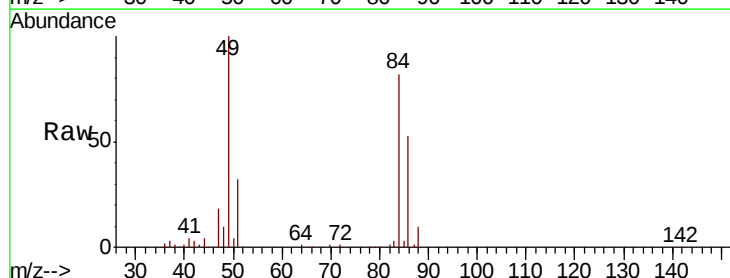
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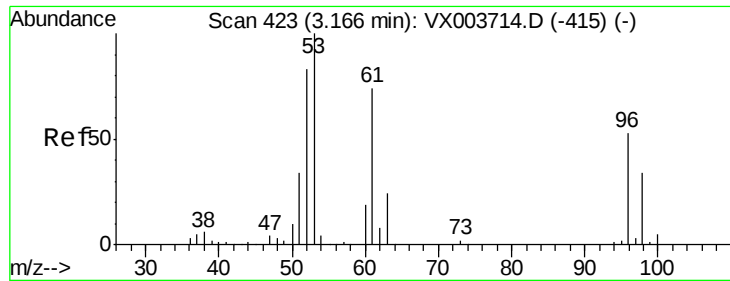
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#18
Methylene Chloride
Concen: 22.339 ug/l
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	104.7	157.1
51	38.6	31.0	46.4
86	64.8	50.8	76.2





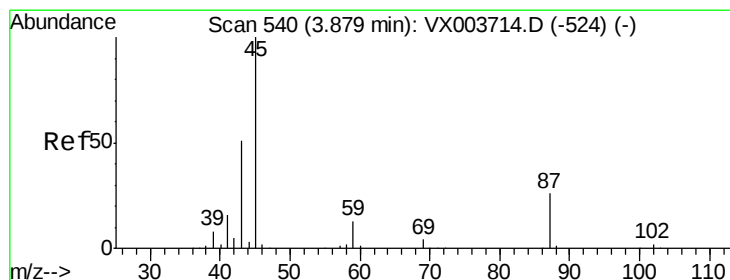
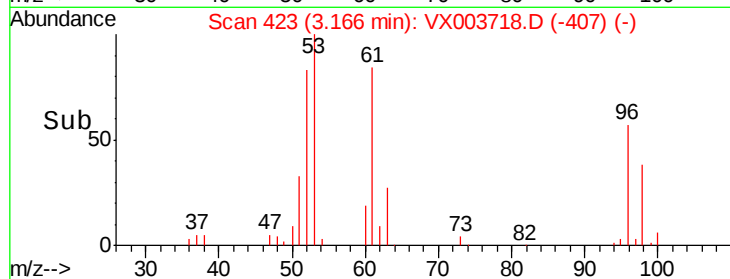
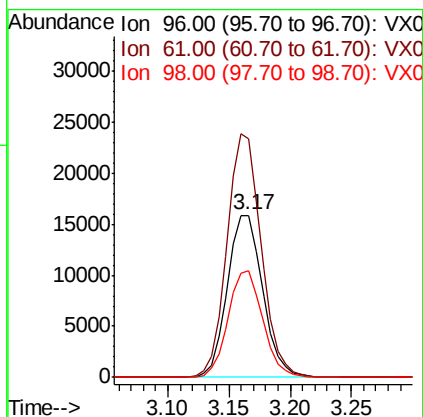
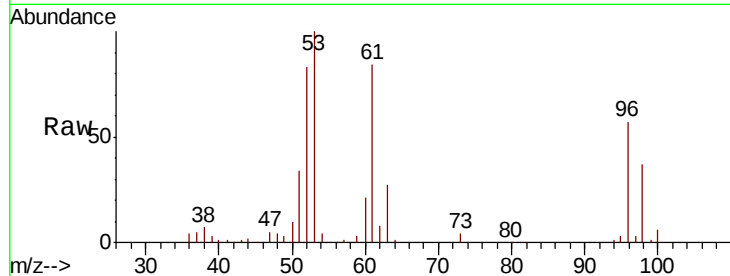
#19
trans-1,2-Dichloroethene
Concen: 22.667 ug/l
RT: 3.17 min Scan# 423
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	114.6	172.0
98	65.7	51.3	76.9

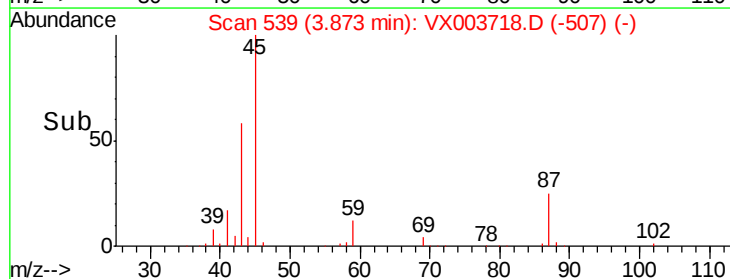
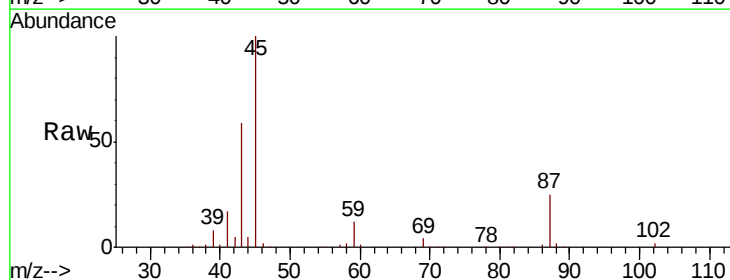
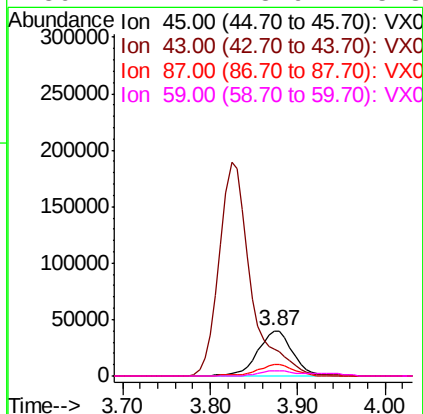
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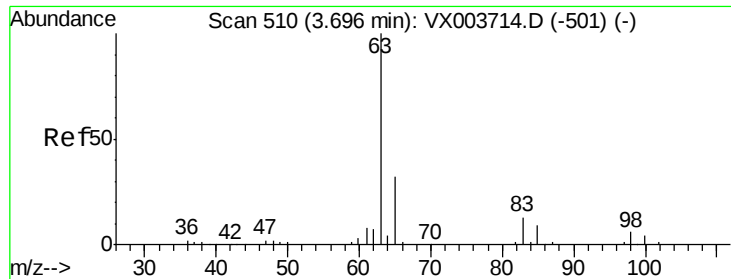
MMDadoda
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#20
Diisopropyl ether
Concen: 22.476 ug/l
RT: 3.87 min Scan# 539
Delta R.T. -0.01 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	45.6	68.4
87	25.1	20.7	31.1
59	11.7	8.9	13.3





#21

1,1-Dichloroethane

Concen: 21.761 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

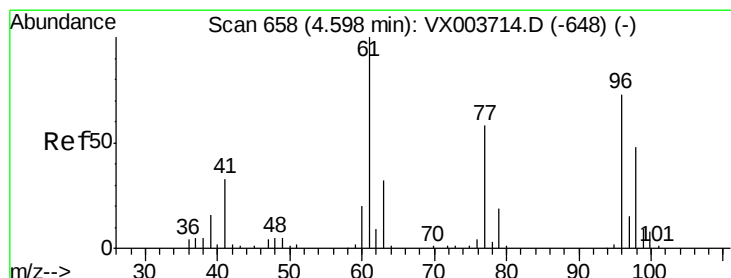
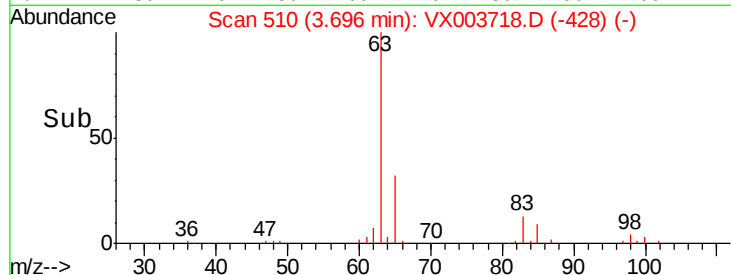
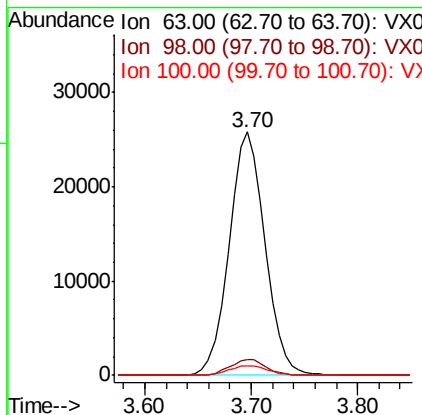
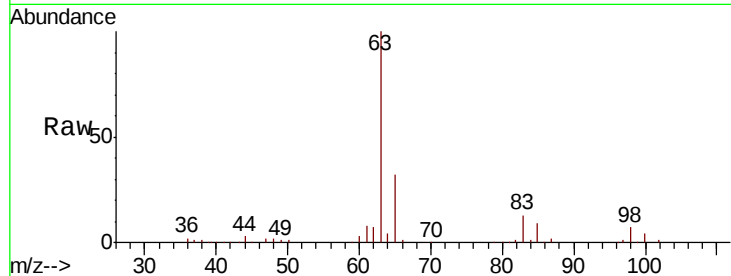
ClientSampleId :

ICVVX072718

Tot Ion:	63	Resp:	60720
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.1	9.3
100	3.8	2.2	6.6

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 21.183 ug/l

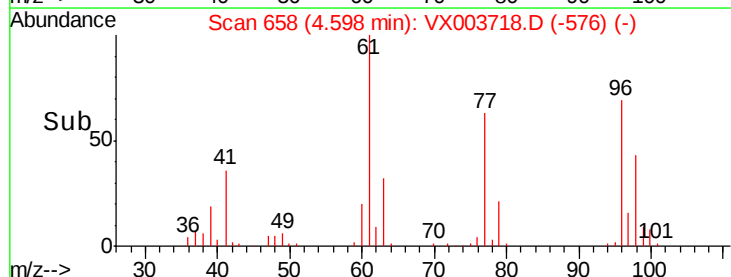
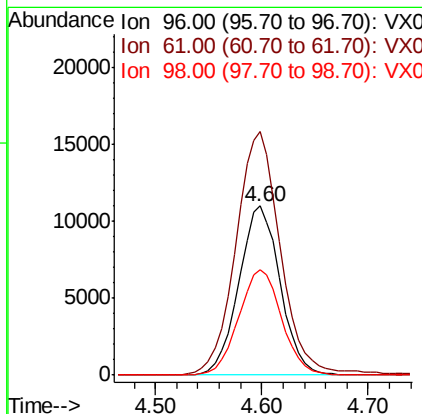
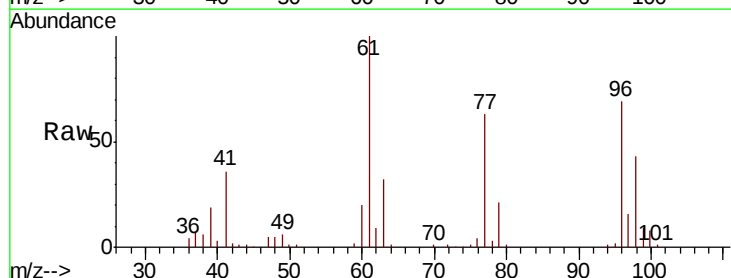
RT: 4.60 min Scan# 658

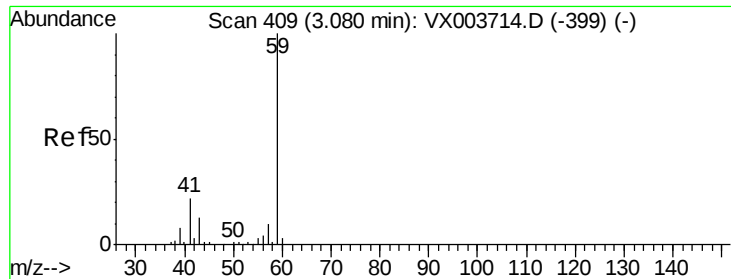
Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Tgt Ion:	96	Resp:	29988
Ion Ratio	Lower	Upper	
96	100		
61	155.2	160.2	240.2#
98	64.3	54.1	81.1





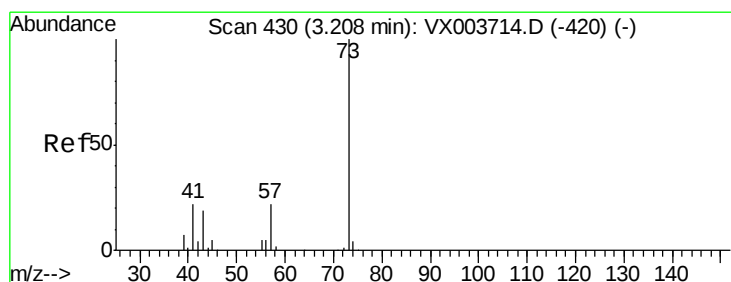
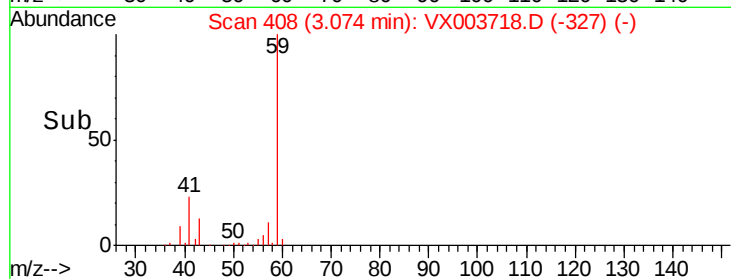
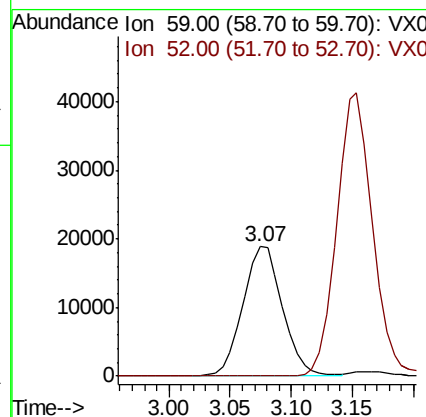
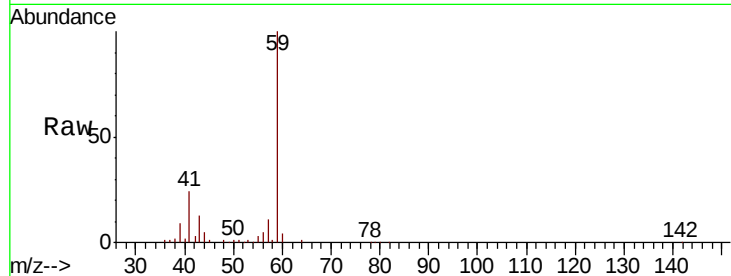
#23
 tert-Butyl Alcohol
 Concen: 107.601 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion: 59 Resp: 42737
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.2 0.2#

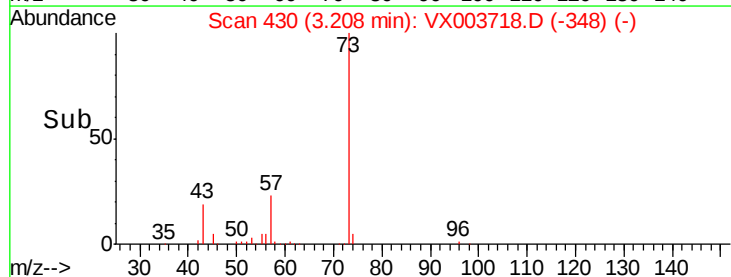
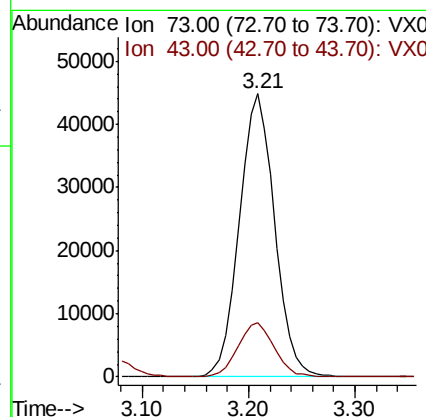
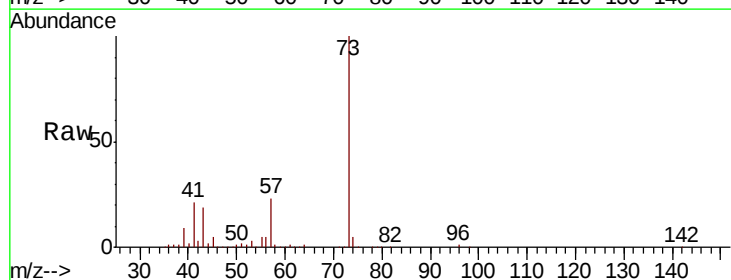
Manual Integrations
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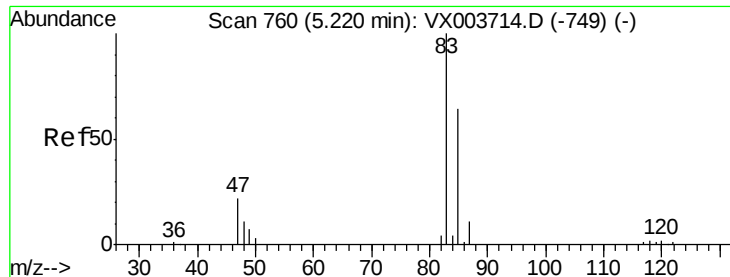
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#24
 Methyl tert-Butyl Ether
 Concen: 22.463 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion: 73 Resp: 104479
 Ion Ratio Lower Upper
 73 100
 43 19.4 19.0 28.4





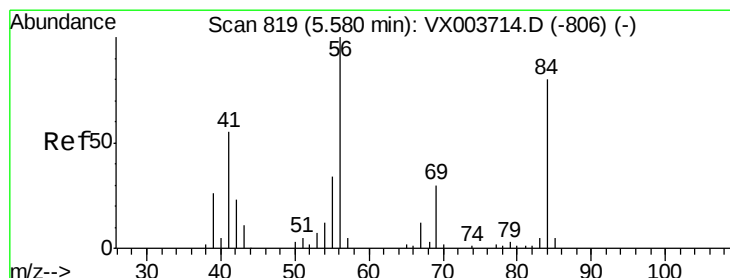
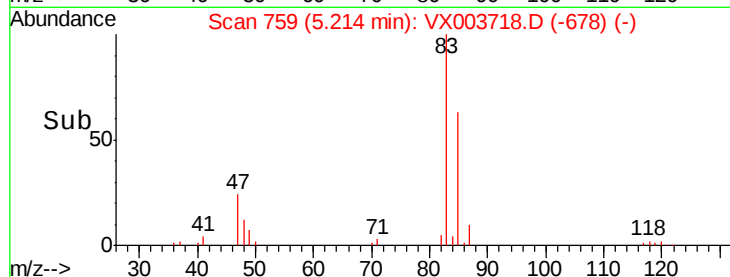
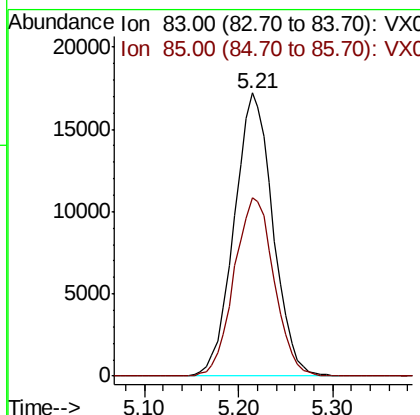
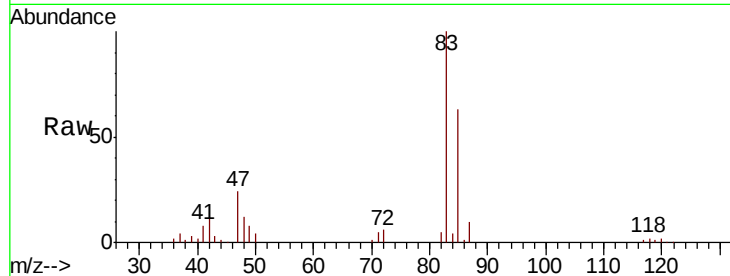
#25
Chloroform
Concen: 20.438 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	83	Resp	49389
Ion Ratio	100	Lower	Upper
85	63.1	51.9	77.9

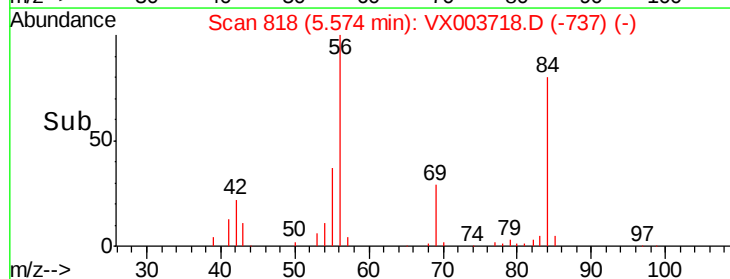
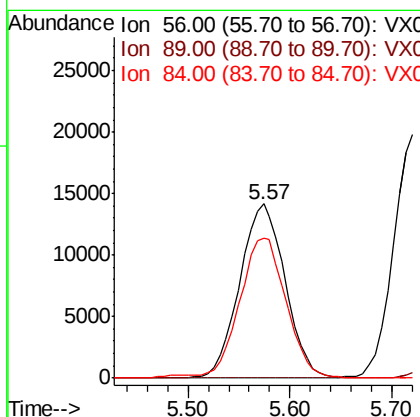
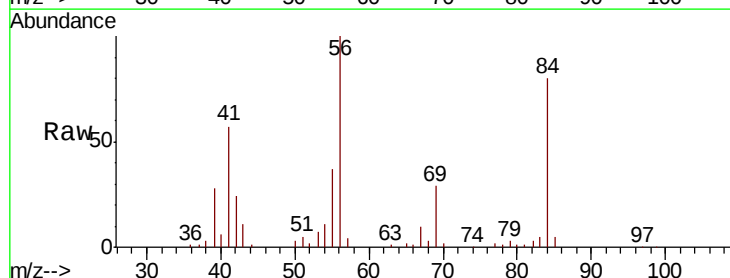
Manual Integrations
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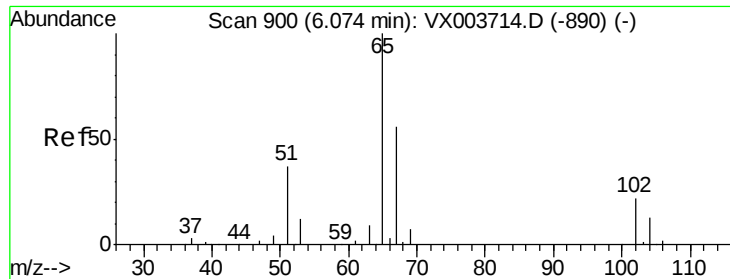
MMDadoda
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#26
Cyclohexane
Concen: 20.808 ug/l
RT: 5.57 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	56	Resp	43618
Ion Ratio	100	Lower	Upper
89	0.0	0.1	0.1#
84	82.4	64.9	97.3





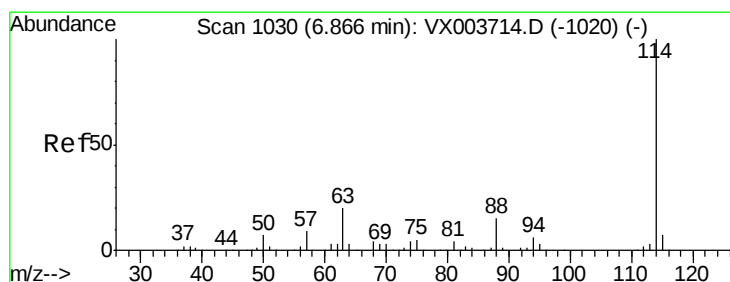
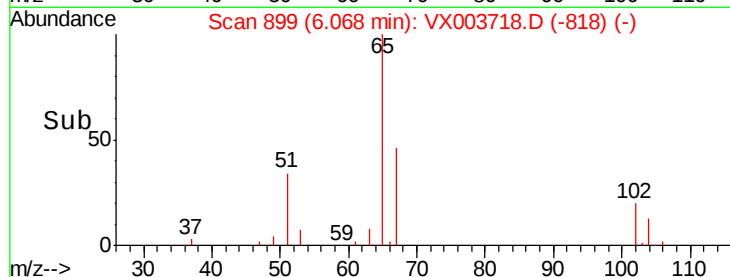
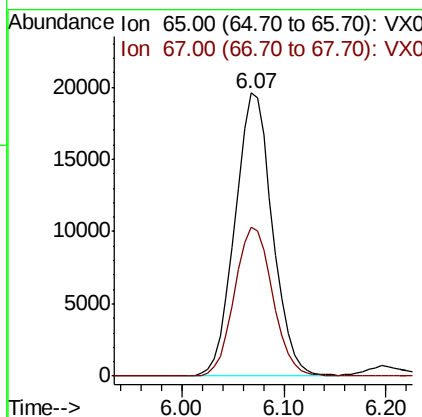
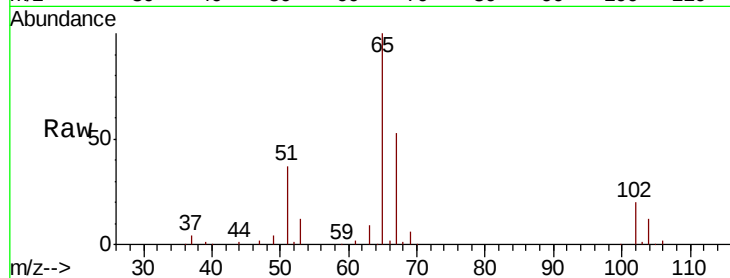
#27
 1,2-Dichloroethane-d4
 Concen: 30.125 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	40.9	61.3

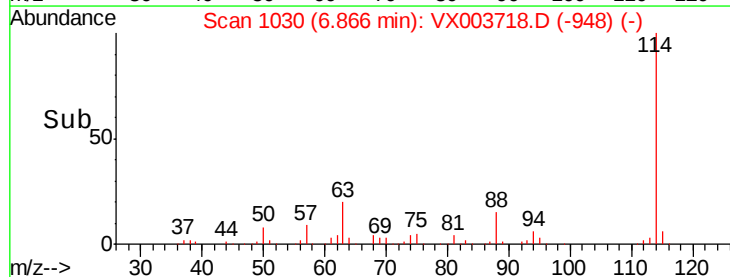
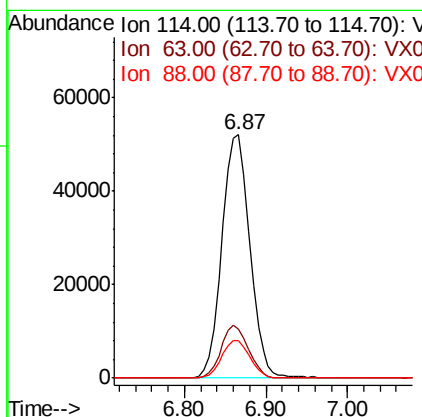
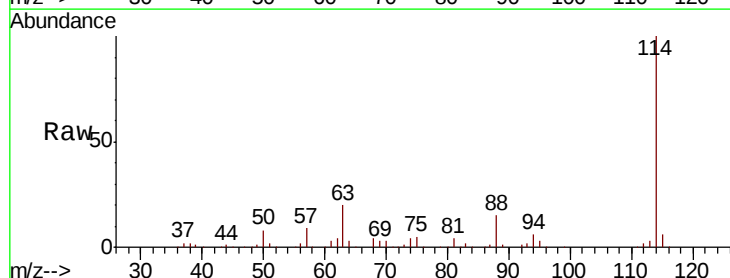
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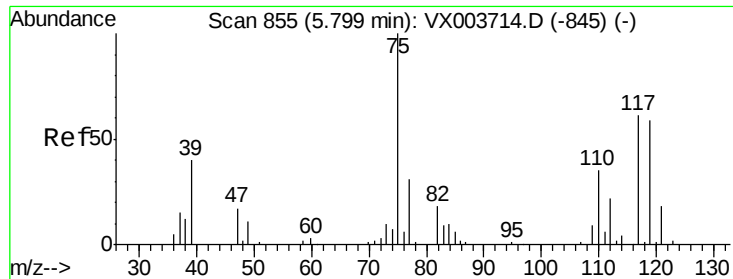
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	17.1	25.7
88	15.6	12.6	19.0





#29

1,1-Dichloropropene

Concen: 20.868 ug/l

RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

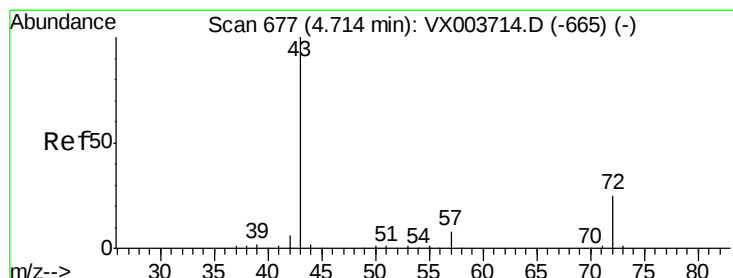
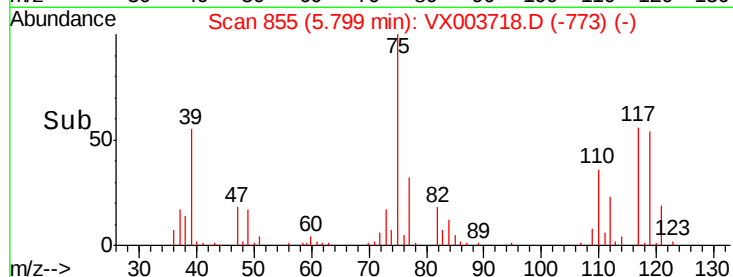
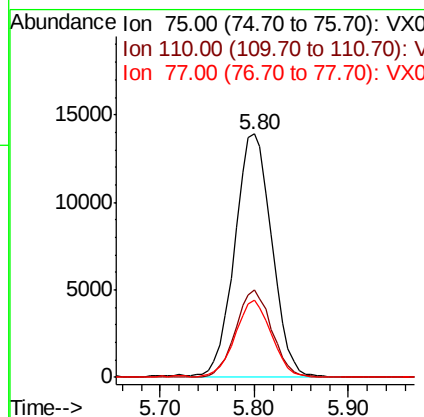
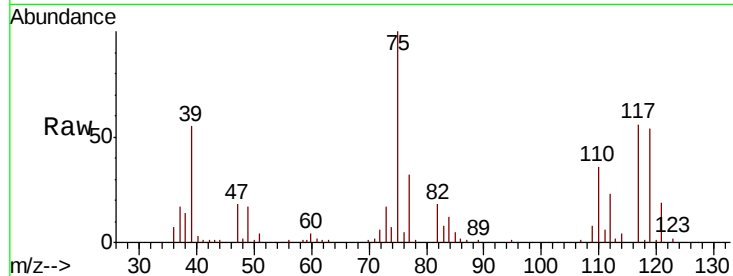
ClientSampleId :

ICVVX072718

Tot Ion:	75	Resp:	38132
Ion Ratio	Lower	Upper	
75	100		
110	35.0	0.0	71.4
77	31.0	0.0	60.6

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#30

2-Butanone

Concen: 99.817 ug/l

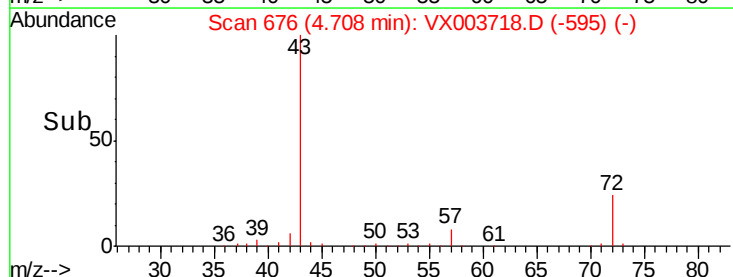
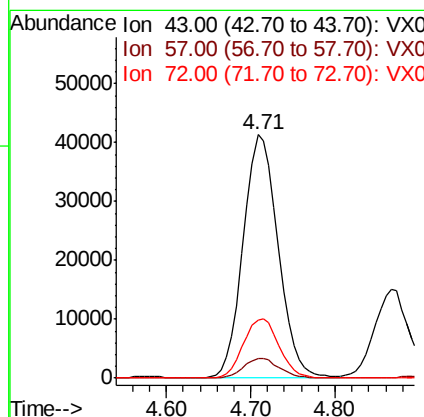
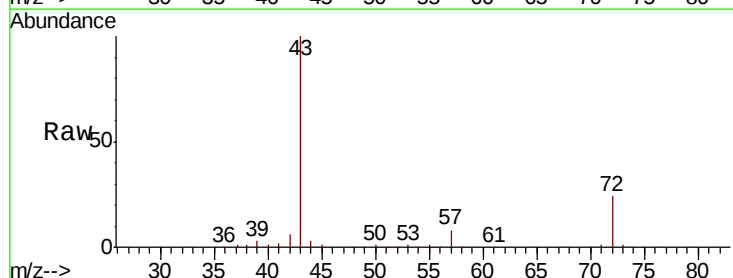
RT: 4.71 min Scan# 676

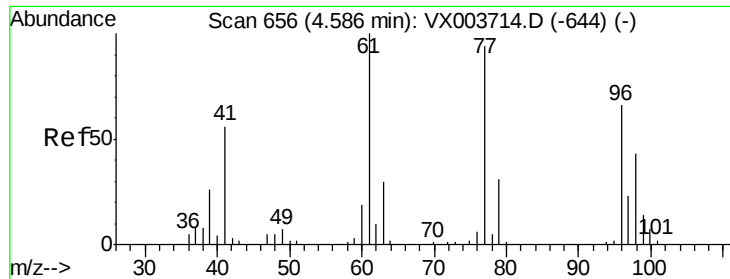
Delta R.T. -0.01 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Tgt Ion:	43	Resp:	116477
Ion Ratio	Lower	Upper	
43	100		
57	8.1	6.1	9.1
72	24.8	18.1	27.1





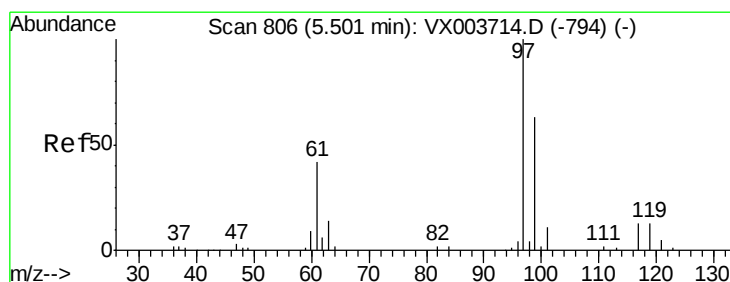
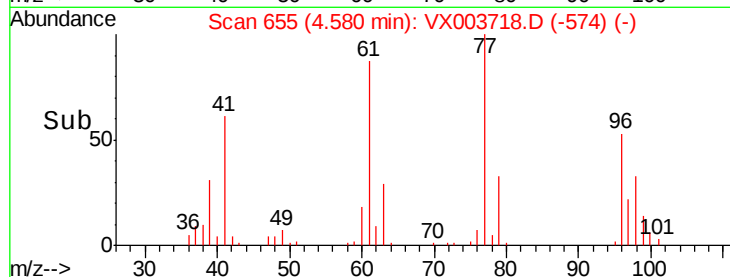
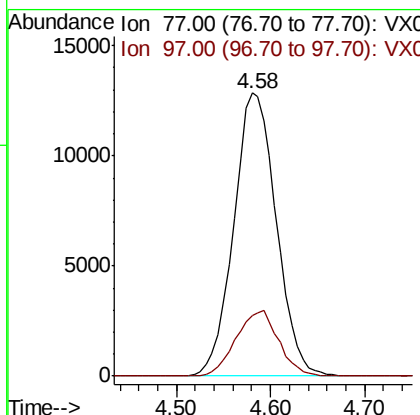
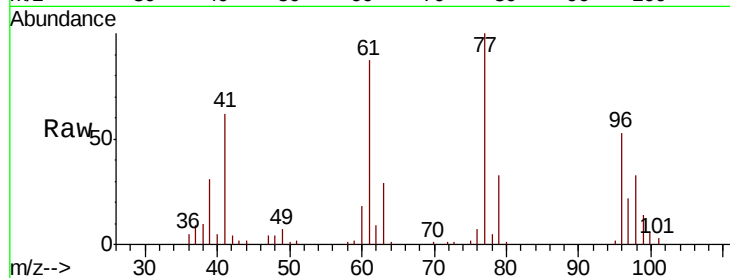
#31
 2,2-Dichloropropane
 Concen: 22.925 ug/l
 RT: 4.58 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion: 77 Resp: 40576
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.7 28.1

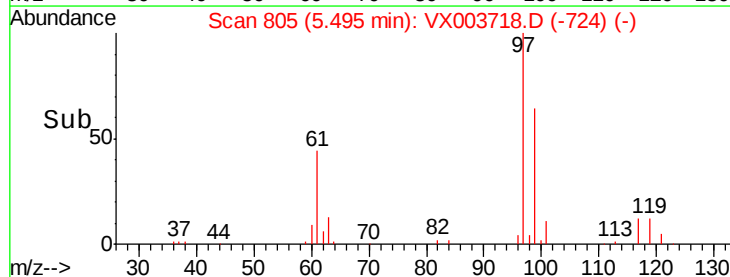
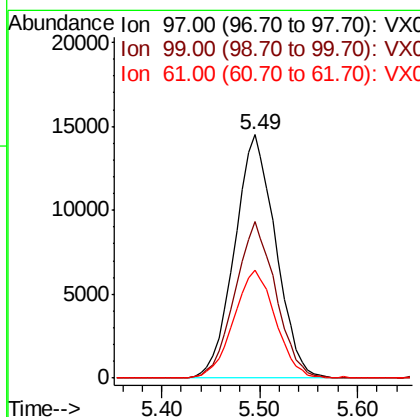
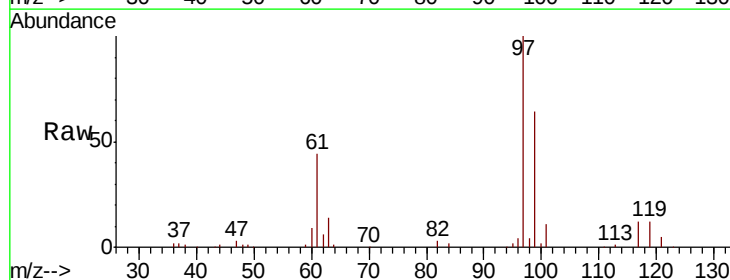
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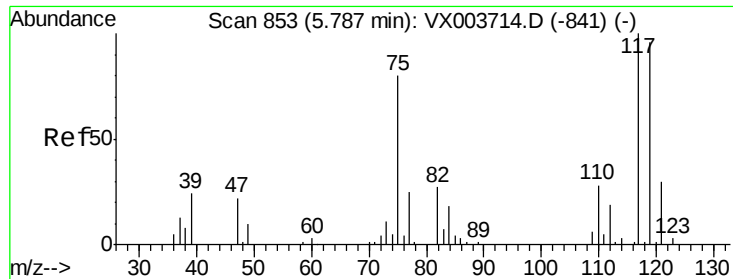
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#32
 1,1,1-Trichloroethane
 Concen: 20.196 ug/l
 RT: 5.49 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion: 97 Resp: 42223
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.7 77.5
 61 45.2 36.4 54.6





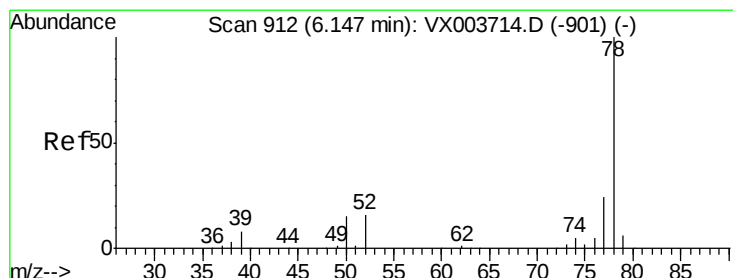
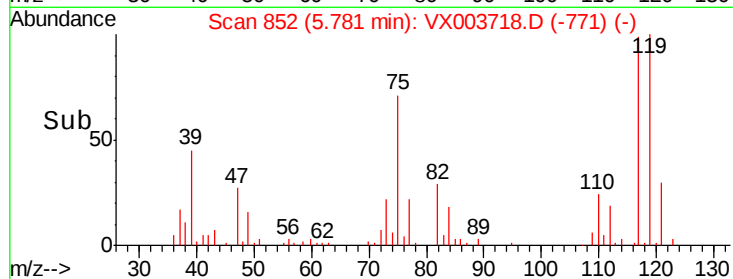
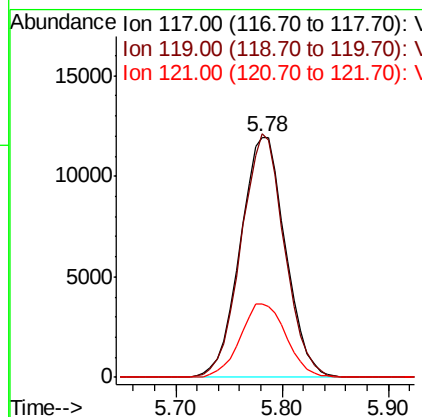
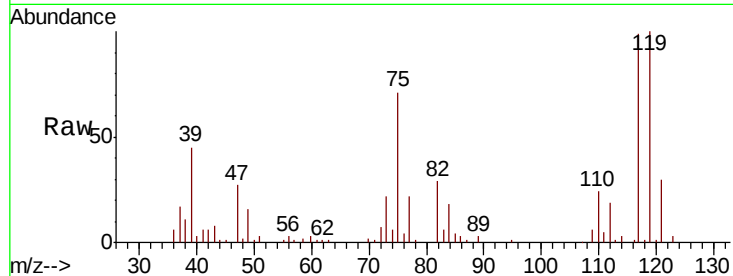
#33
Carbon Tetrachloride
Concen: 19.559 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.01 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
117	100		
119	101.3	73.3	109.9
121	30.5	23.6	35.4

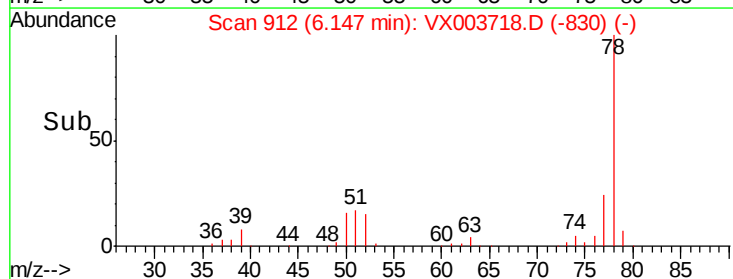
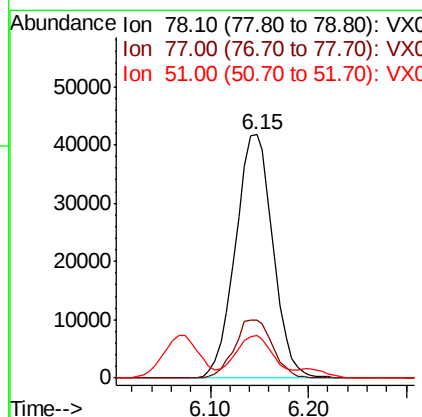
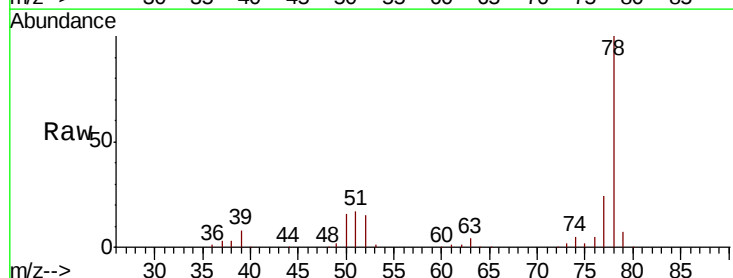
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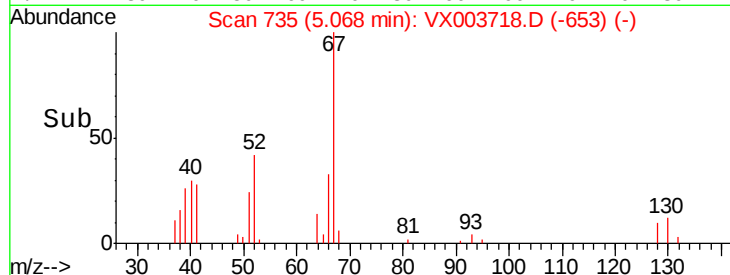
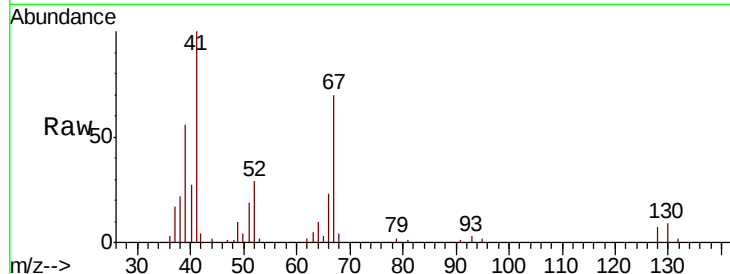
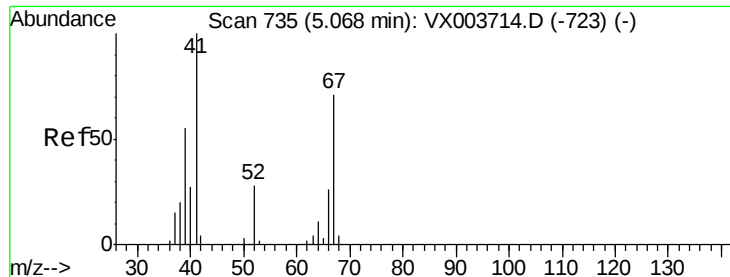
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#34
Benzene
Concen: 19.790 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0
51	16.6	13.8	20.6





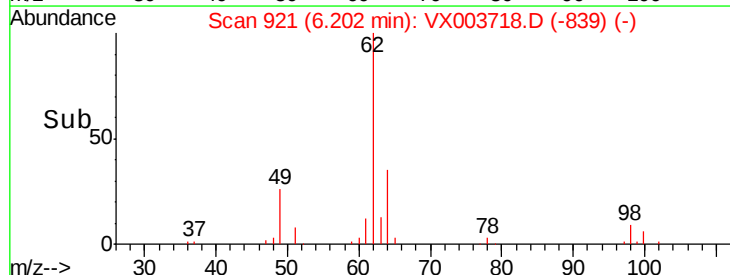
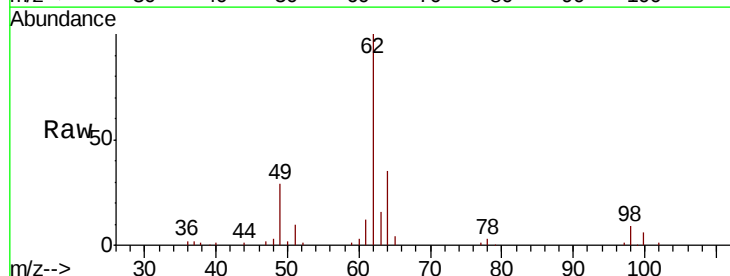
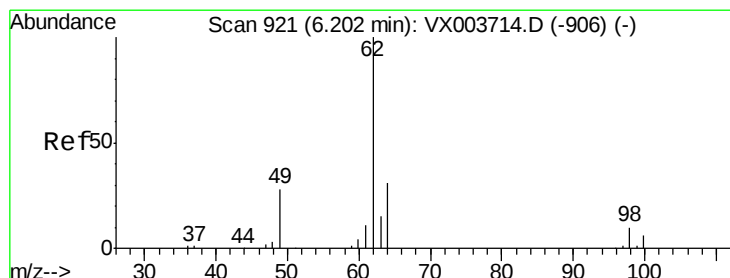
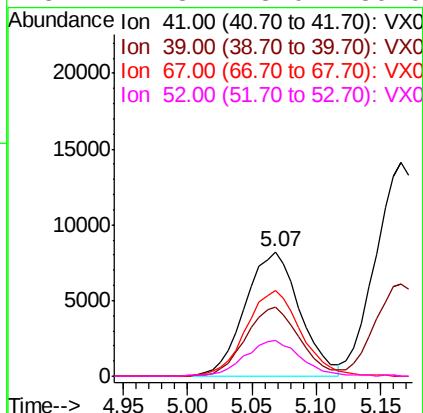
#35
Methacrylonitrile
Concen: 19.983 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tot Ion:	41	Resp:	24232
Ion Ratio	Lower	Upper	
41	100		
39	55.8	28.8	86.5
67	69.5	30.4	91.2
52	27.8	13.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

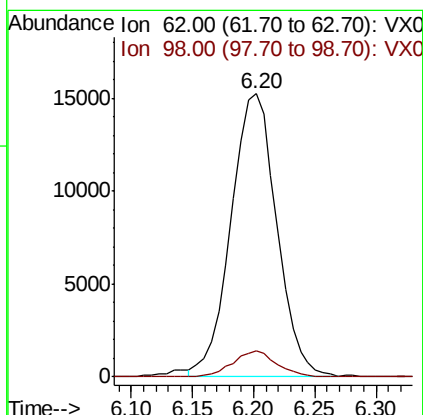
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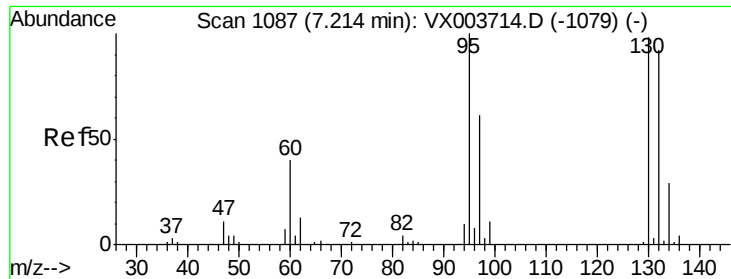
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#36
1,2-Dichloroethane
Concen: 19.647 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion:	62	Resp:	39645
Ion Ratio	Lower	Upper	
62	100		
98	8.6	6.5	9.7





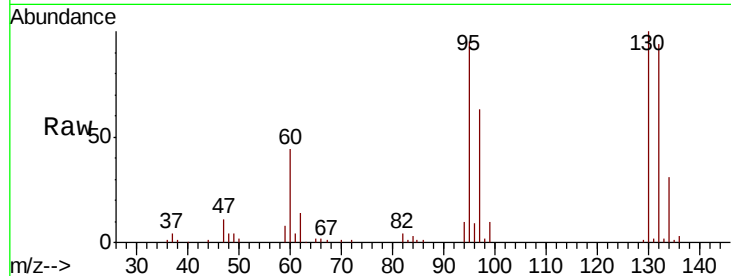
#37
 Trichloroethene
 Concen: 21.913 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

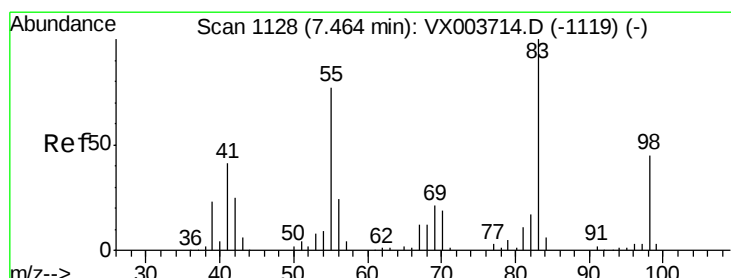
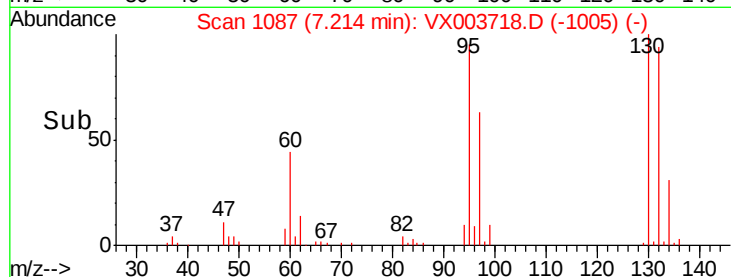
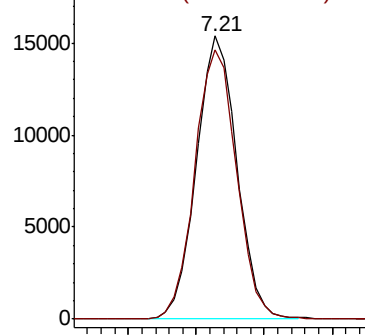
Tot Ion:130 Resp: 32064
 Ion Ratio Lower Upper
 130 100
 95 95.0 81.5 122.3

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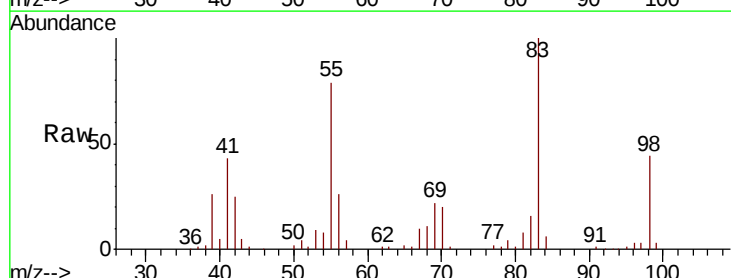


Abundance Ion 129.90 (129.60 to 130.60): VX0
 Ion 94.90 (94.60 to 95.60): VX0

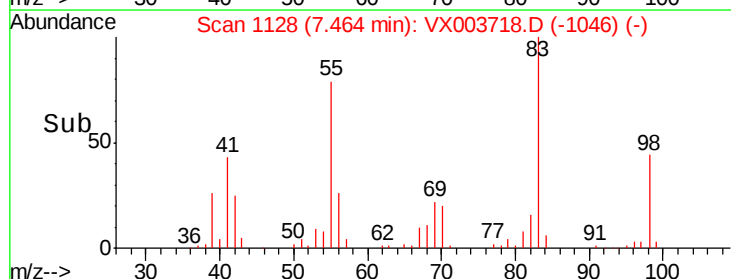
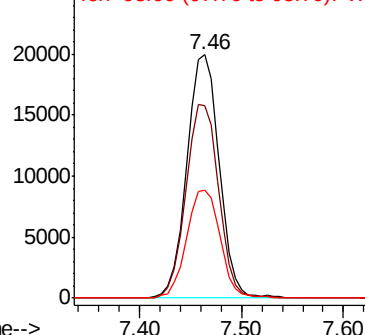


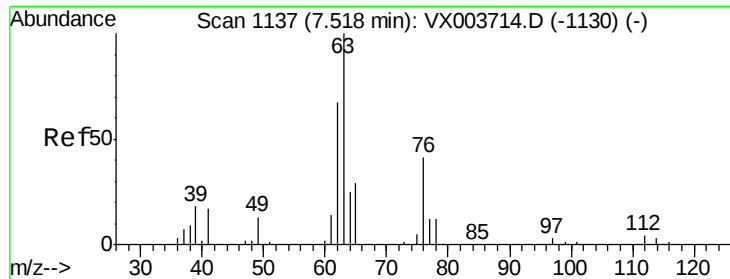
#38
 Methylcyclohexane
 Concen: 21.106 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion: 83 Resp: 43825
 Ion Ratio Lower Upper
 83 100
 55 80.5 40.6 121.8
 98 45.6 23.5 70.5



Abundance Ion 83.00 (82.70 to 83.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 98.00 (97.70 to 98.70): VX0





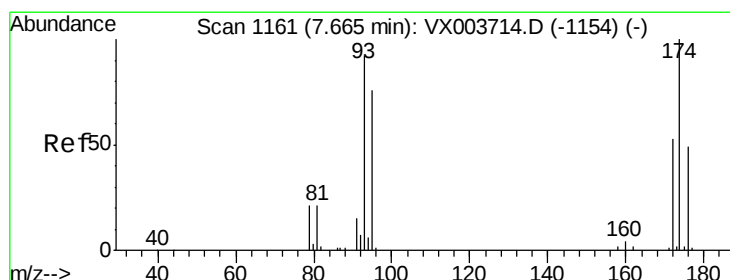
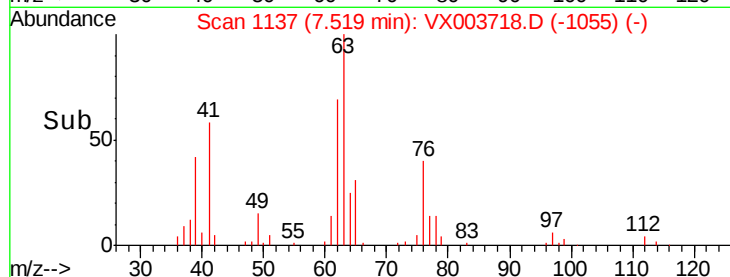
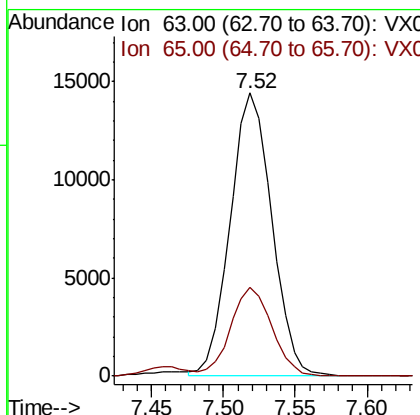
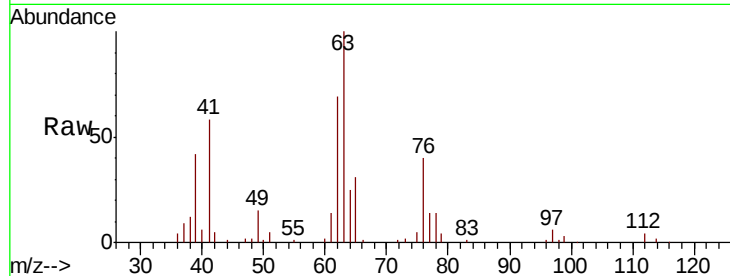
#39
 1,2-Dichloropropane
 Concen: 19.603 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.3	34.9

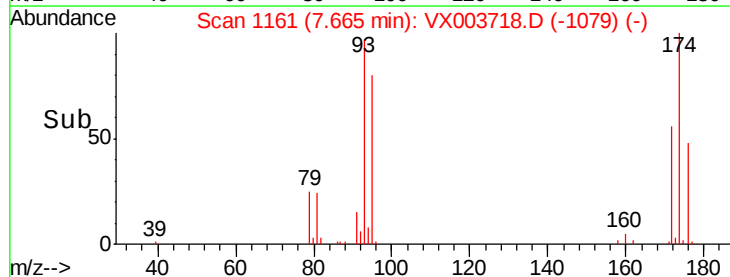
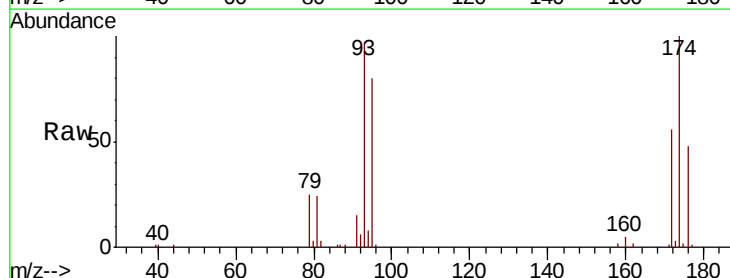
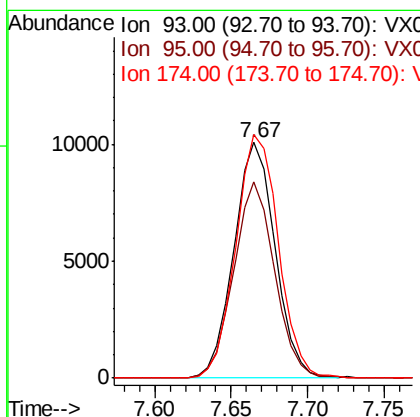
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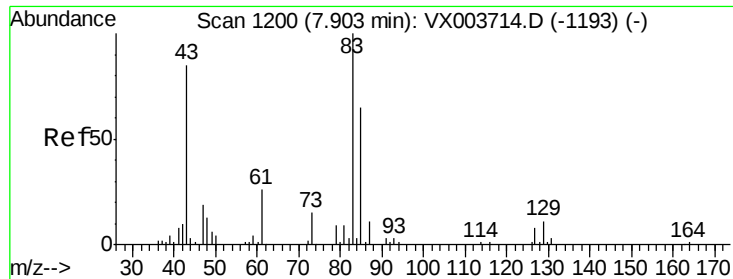
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#40
 Dibromomethane
 Concen: 19.710 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	0.0	162.6
174	106.8	0.0	229.4





#41

Bromodichloromethane

Concen: 19.026 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

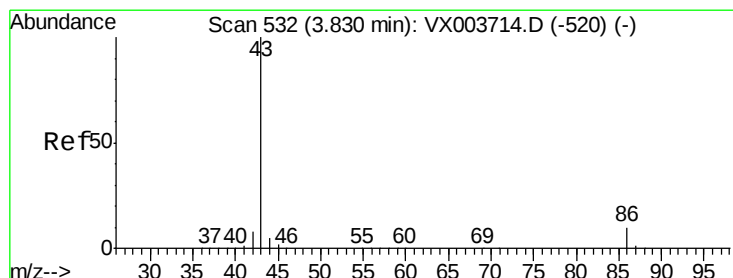
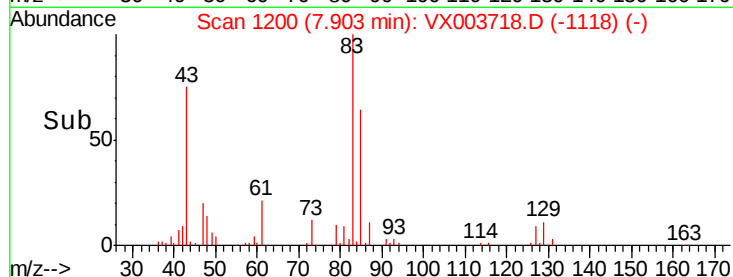
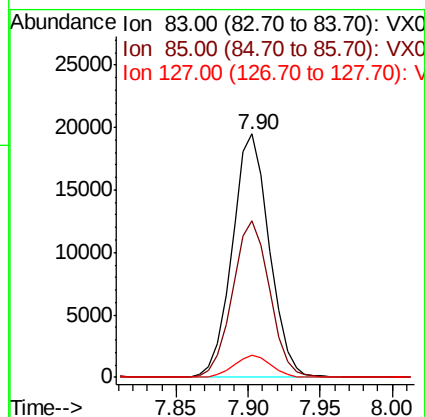
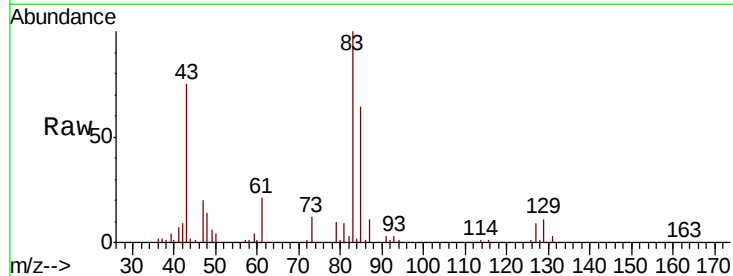
ClientSampleId :

ICVVX072718

Tot Ion:	83	Resp:	34900
Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.8	74.8
127	9.4	7.3	10.9

Manual Integrations
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#42

Vinyl Acetate

Concen: 106.910 ug/l

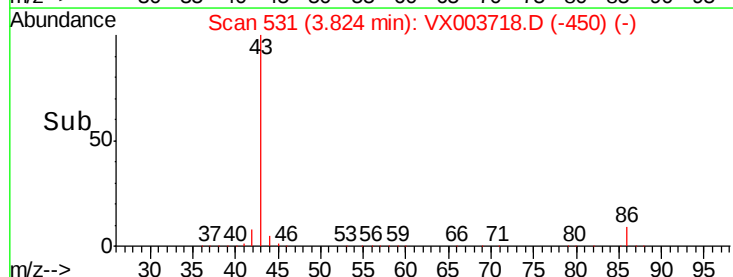
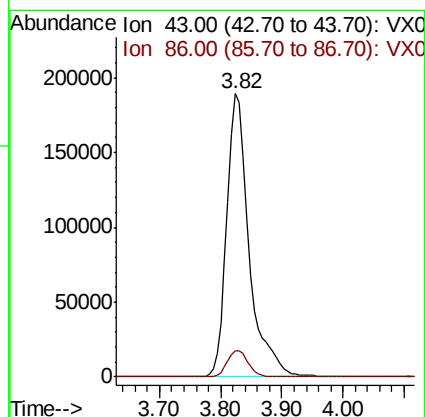
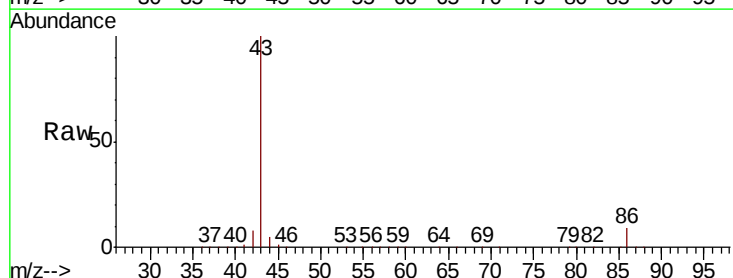
RT: 3.82 min Scan# 531

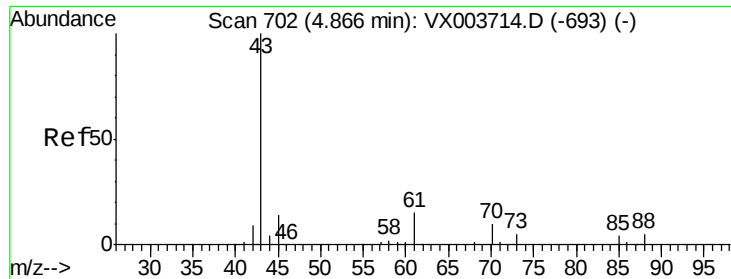
Delta R.T. -0.01 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Tgt Ion:	43	Resp:	479368
Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.7	10.1





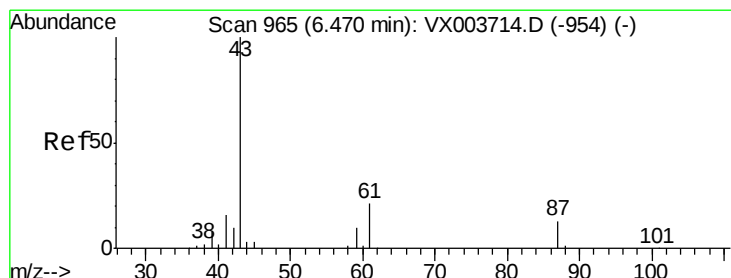
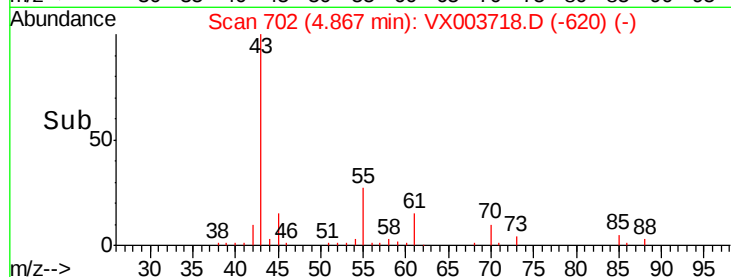
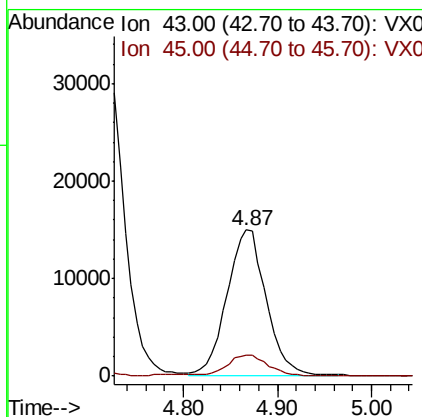
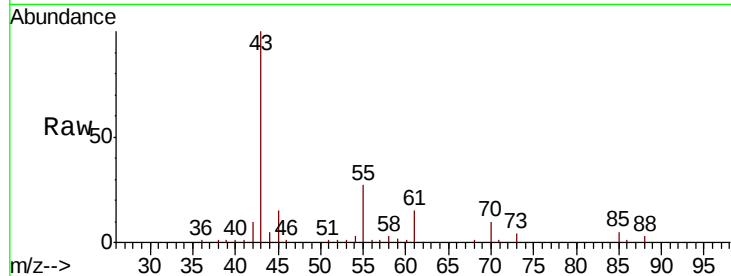
#43
Ethyl Acetate
Concen: 20.140 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion: 43 Resp: 43899
Ion Ratio Lower Upper
43 100
45 14.4 11.0 16.4

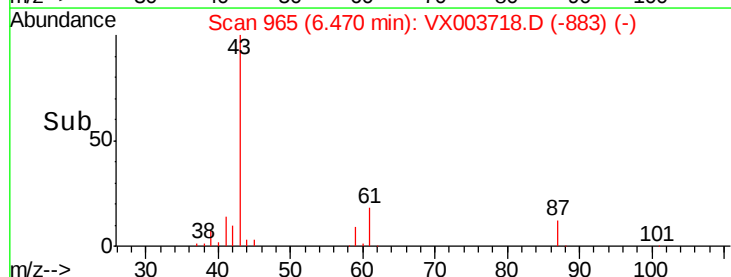
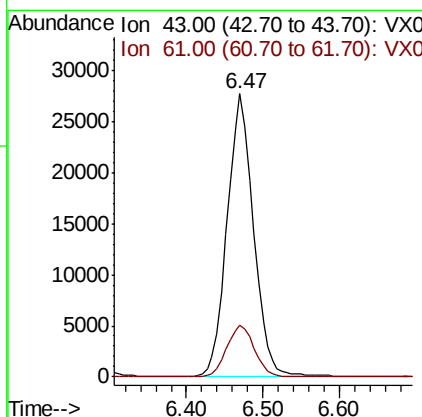
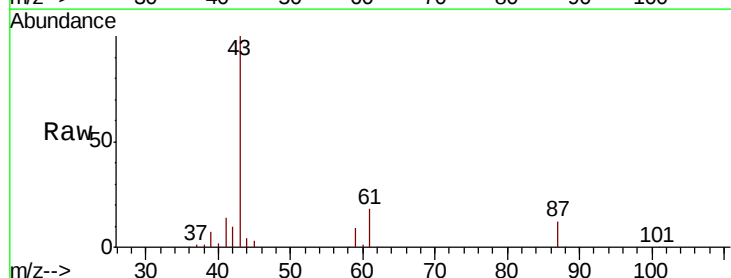
Manual Integrations
APPROVED

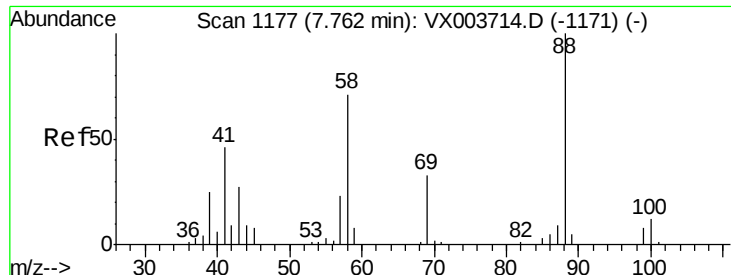
MMDadoda
7/30/2018 3:42:31 PM



#44
Isopropyl Acetate
Concen: 19.883 ug/l
RT: 6.47 min Scan# 965
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion: 43 Resp: 66471
Ion Ratio Lower Upper
43 100
61 19.2 14.5 21.7





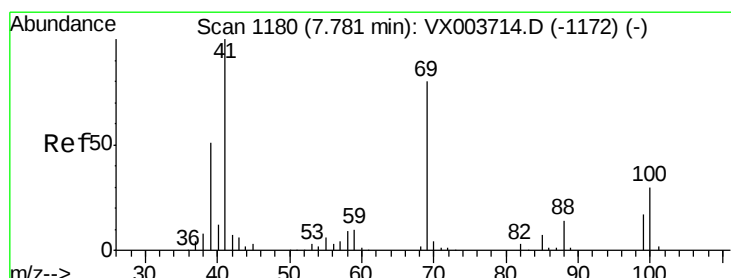
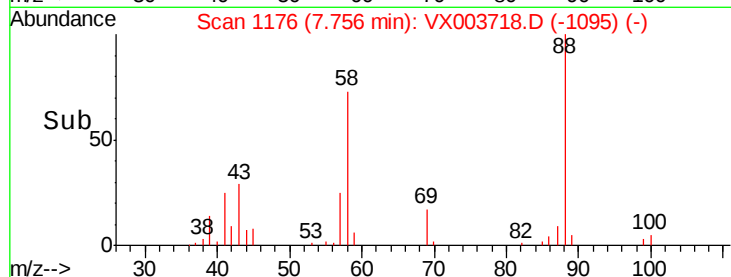
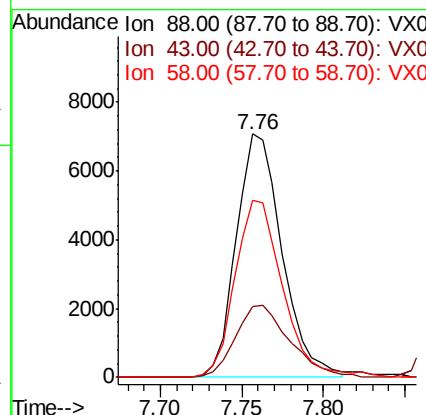
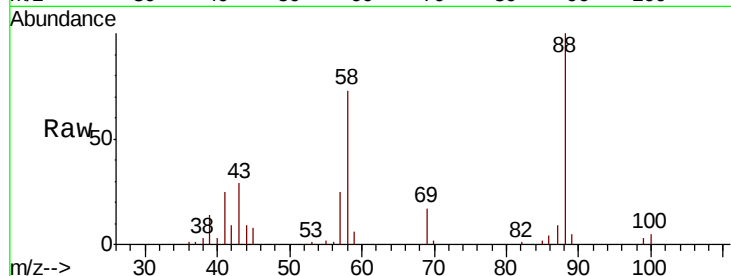
#45
1,4-Dioxane
Concen: 374.055 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.01 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	43.2	64.8#
58	74.9	60.2	90.2

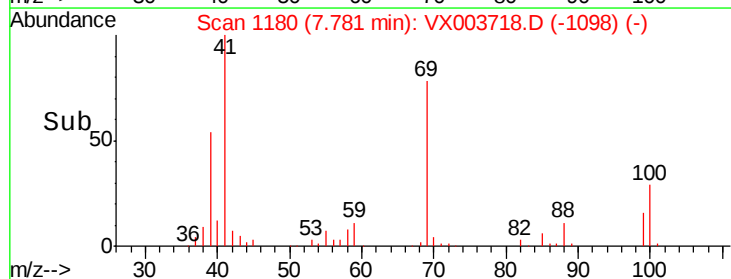
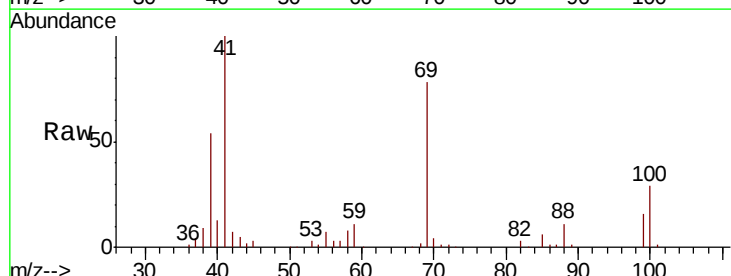
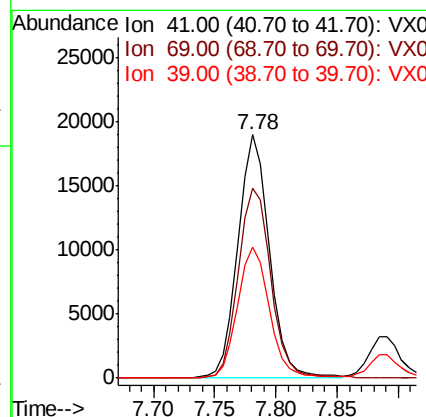
Manual Integrations
APPROVED

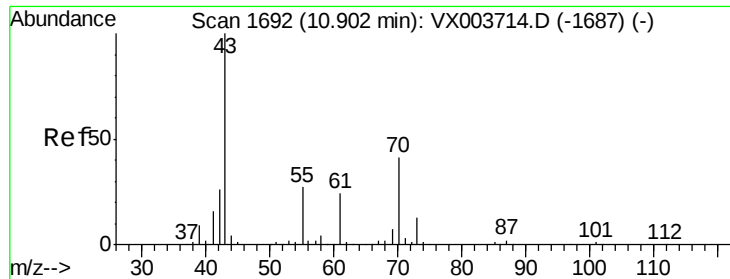
MMDadoda
7/30/2018 3:42:31 PM



#46
Methyl methacrylate
Concen: 19.687 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.9	37.0	110.9
39	53.7	29.6	88.9





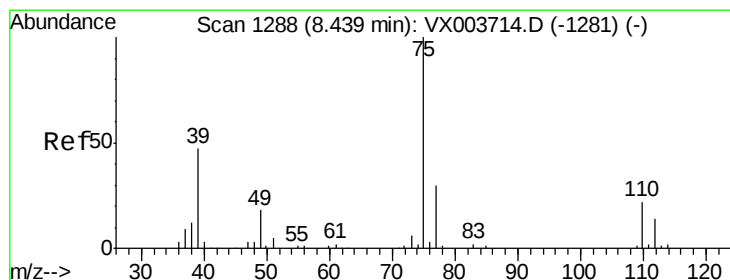
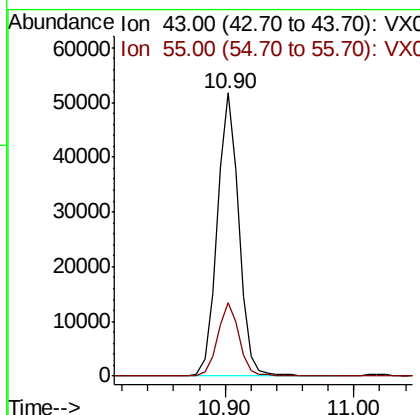
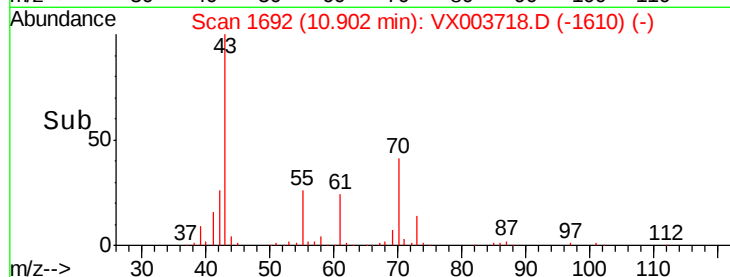
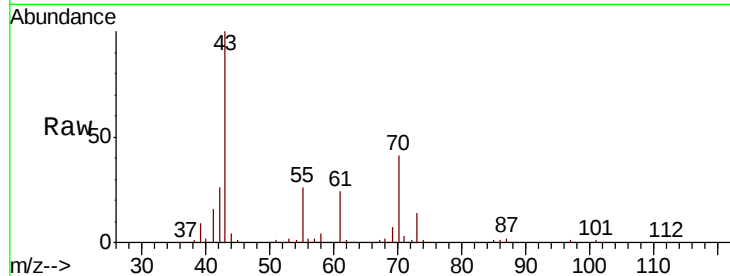
#47
n-amvl Acetate
Concen: 19.469 ug/l
RT: 10.90 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion: 43 Resp: 61452
Ion Ratio Lower Upper
43 100
55 25.8 0.1 0.1#

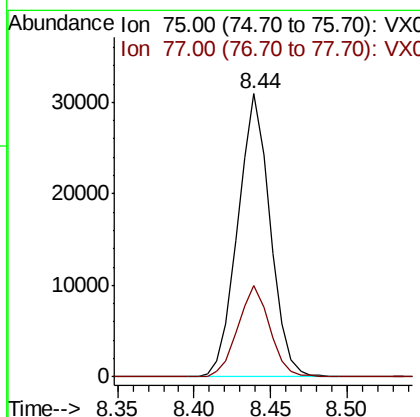
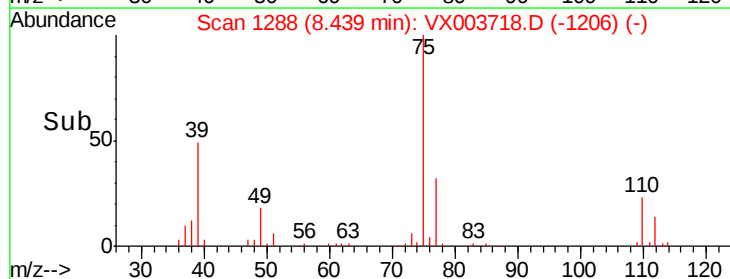
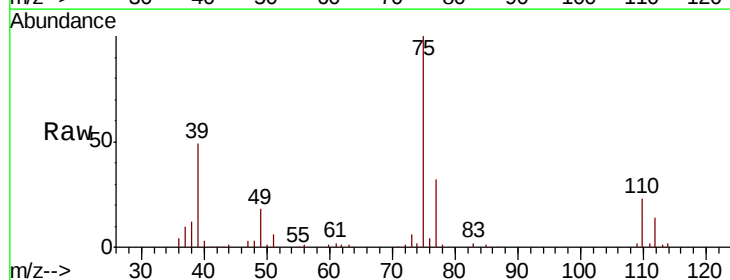
Manual Integrations
APPROVED

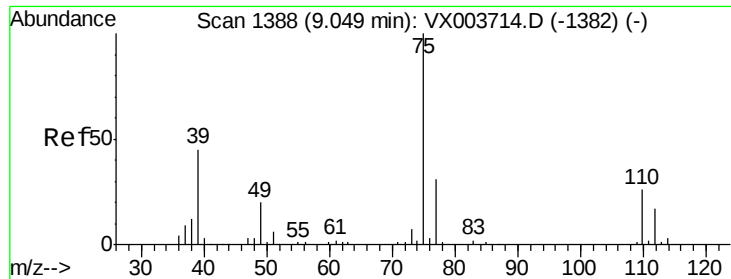
MMDadoda
7/30/2018 3:42:31 PM



#48
t-1,3-Dichloropropene
Concen: 20.443 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion: 75 Resp: 45502
Ion Ratio Lower Upper
75 100
77 32.1 25.6 38.4





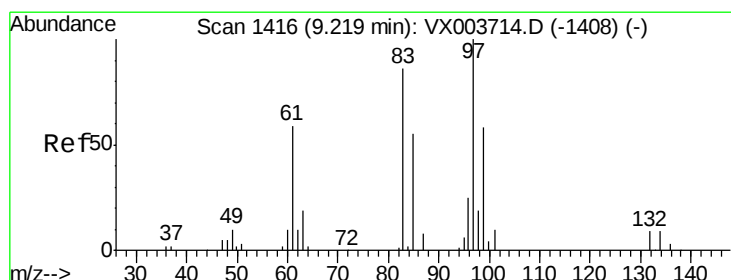
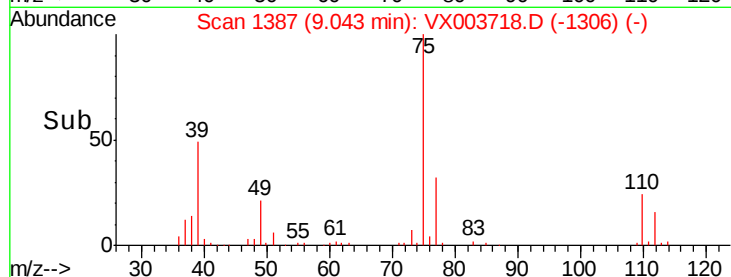
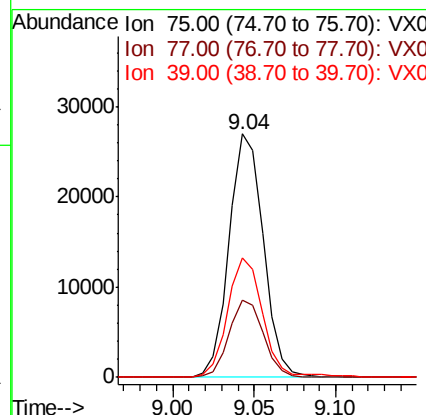
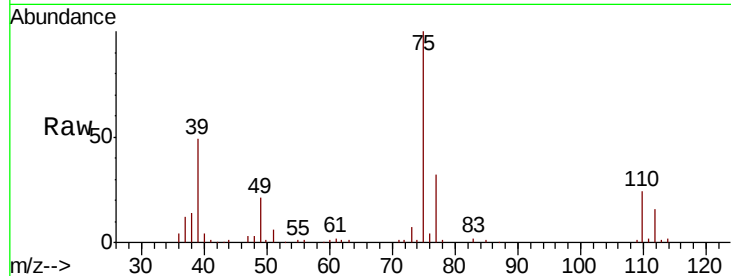
#49
 cis-1,3-Dichloropropene
 Concen: 18.966 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2
39	48.7	42.3	63.5

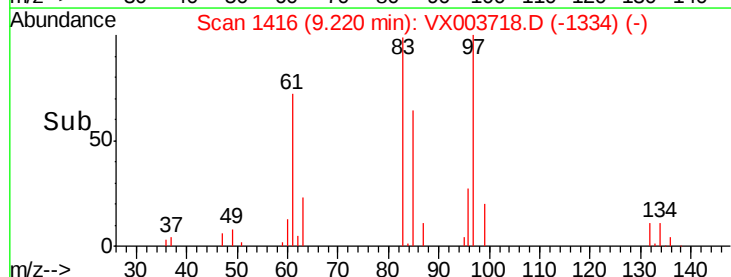
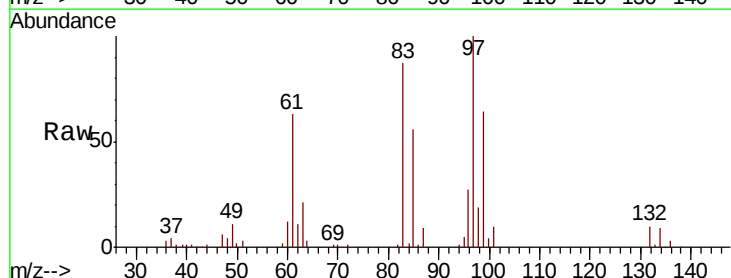
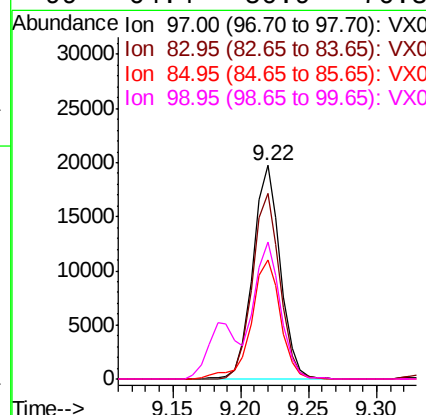
Manual Integrations
 APPROVED

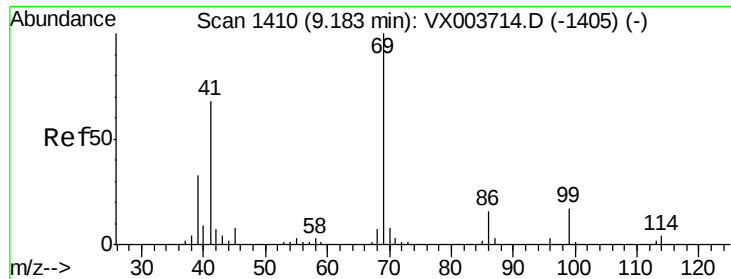
MMDadoda
 7/30/2018 3:42:31 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.432 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.8	106.2
85	55.6	43.5	65.3
99	64.4	50.9	76.3





#51

Ethyl methacrylate

Concen: 18.318 ug/l

RT: 9.18 min Scan# 1410

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

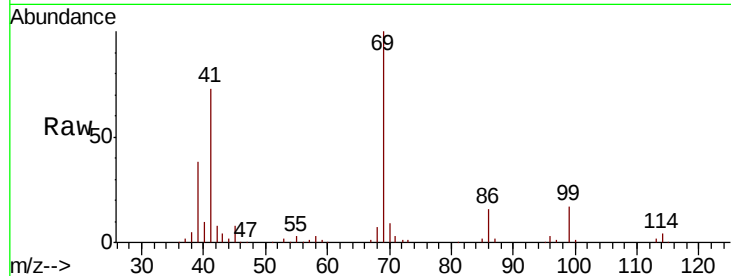
ClientSampleId :

ICVVX072718

Tot Ion:	69	Resp:	42038
Ion	Ratio	Lower	Upper
69	100		
41	73.3	39.1	117.3
39	37.8	21.7	65.1

Manual Integrations
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MMDadoda
7/30/2018 3:42:31 PM

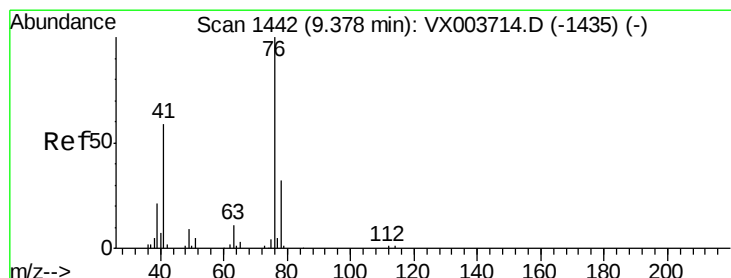
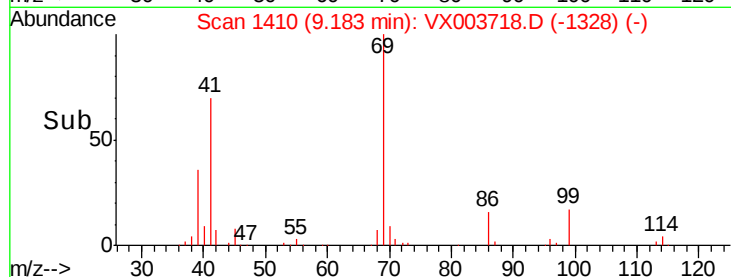
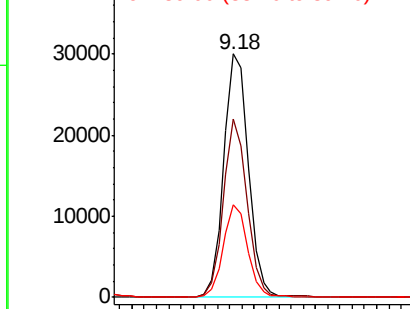


Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 19.263 ug/l

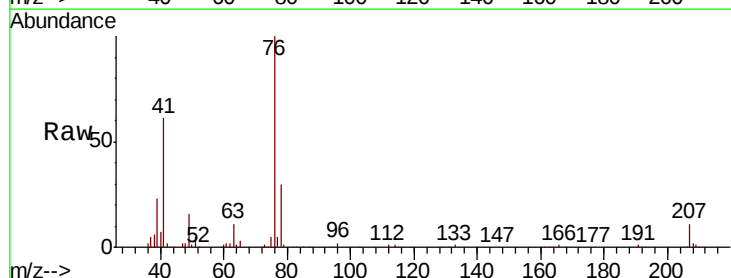
RT: 9.37 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

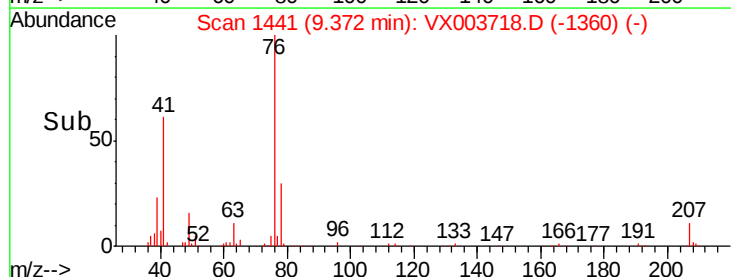
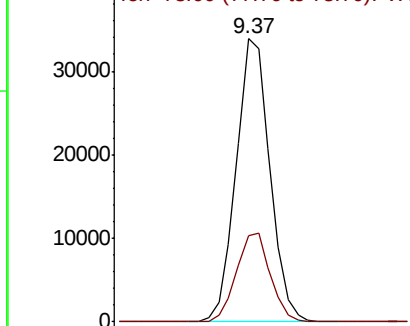
Tgt Ion:	76	Resp:	48857
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.4

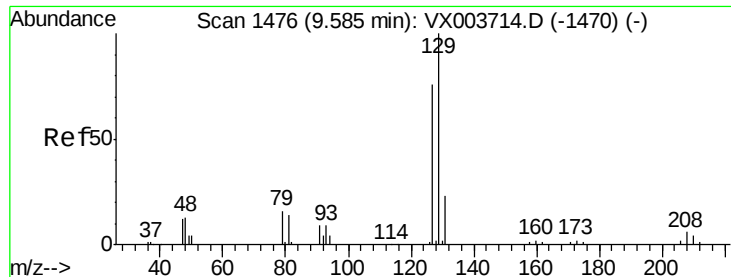


Abundance

Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





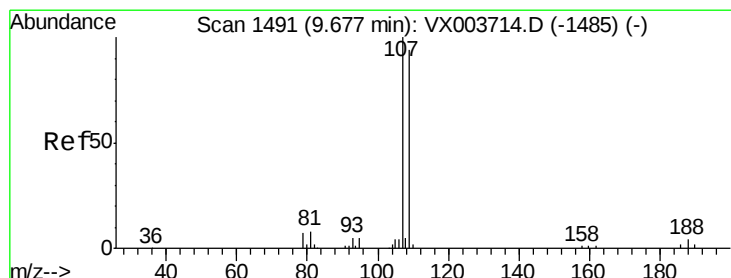
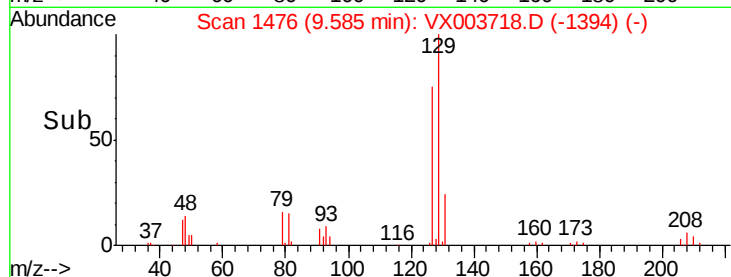
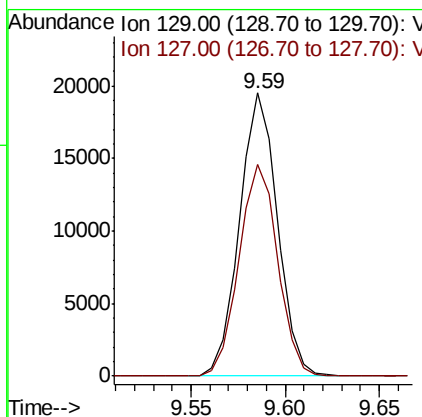
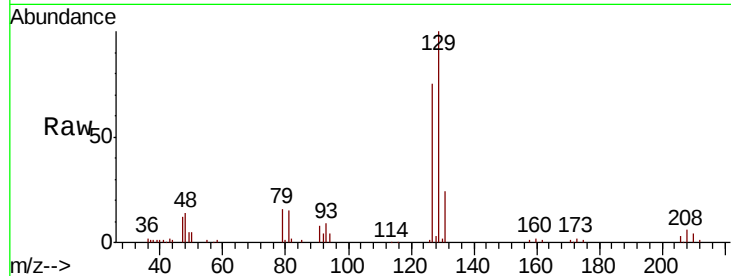
#53
Dibromochloromethane
Concen: 18.228 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion:129 Resp: 27289
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.3

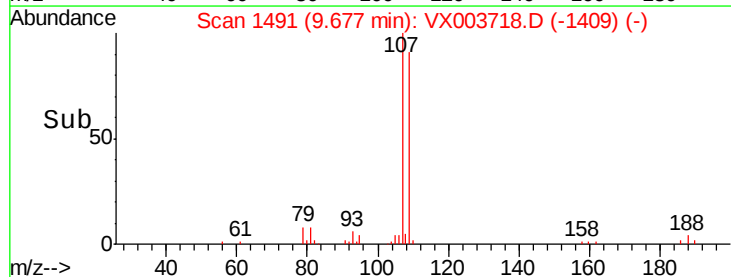
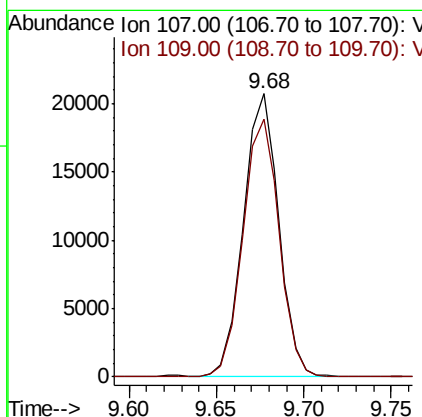
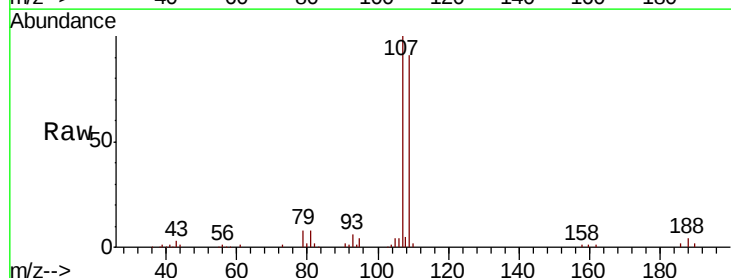
Manual Integrations
APPROVED

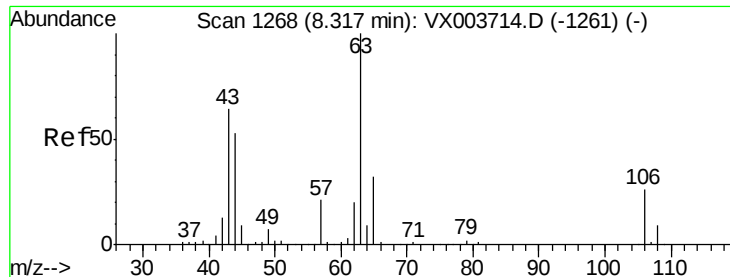
MMDadoda
7/30/2018 3:42:31 PM



#54
1,2-Dibromoethane
Concen: 18.245 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion:107 Resp: 29079
Ion Ratio Lower Upper
107 100
109 93.5 75.5 113.3





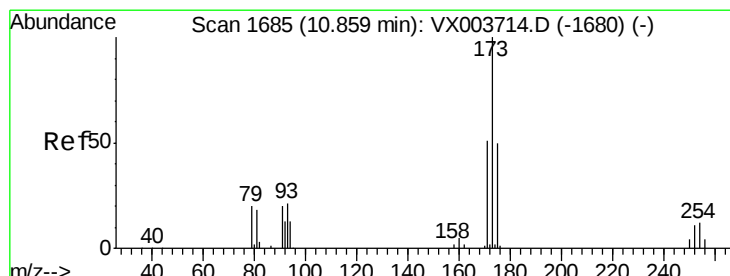
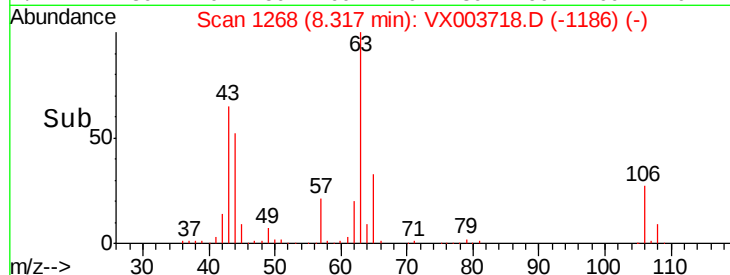
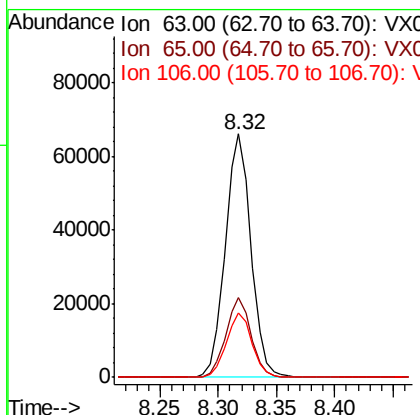
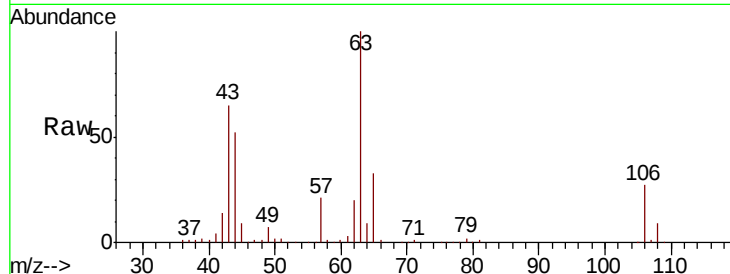
#55
2-Chloroethyl vinyl ether
Concen: 85.285 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.6	38.4
106	26.4	21.6	32.4

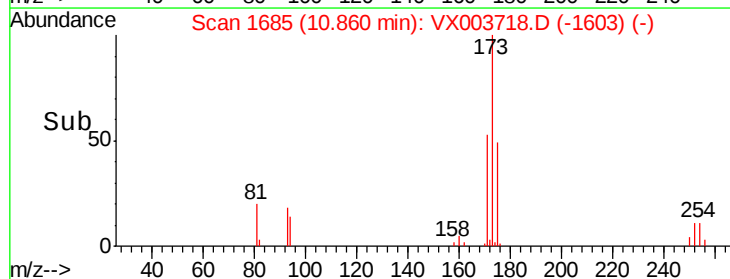
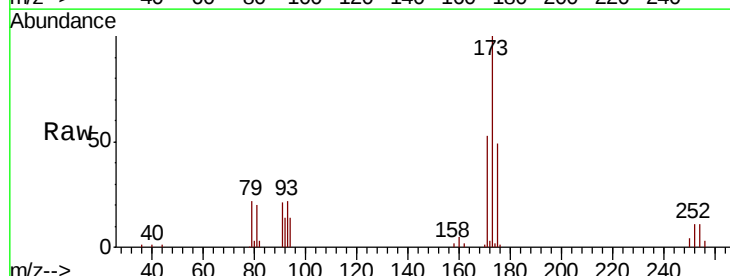
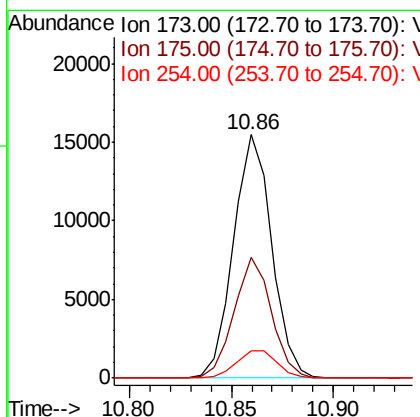
Manual Integrations
APPROVED

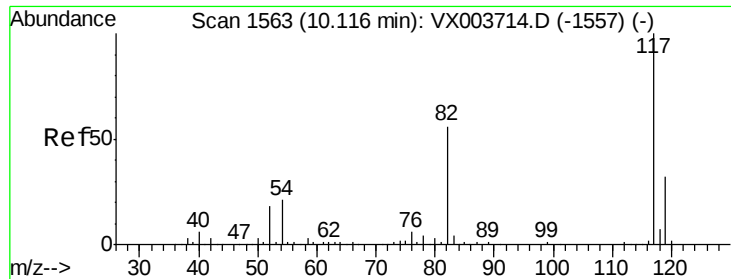
MMDadoda
7/30/2018 3:42:31 PM



#56
Bromoform
Concen: 17.317 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.4
254	11.9	9.6	14.4





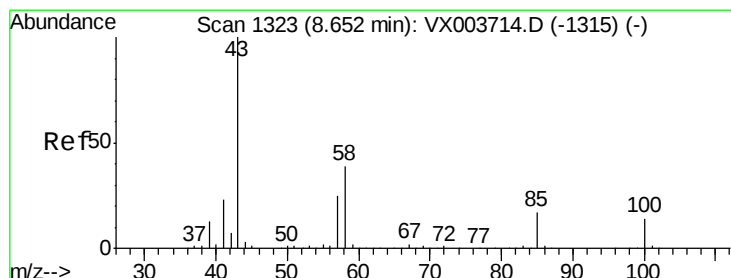
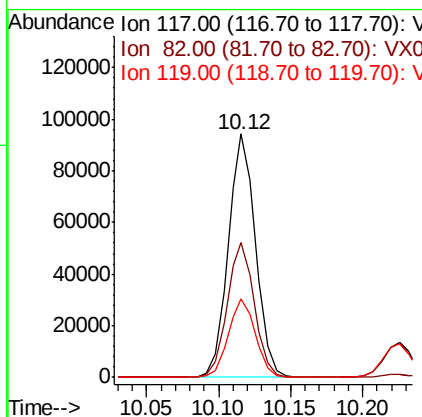
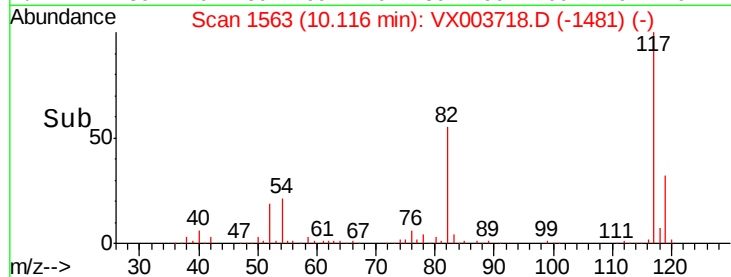
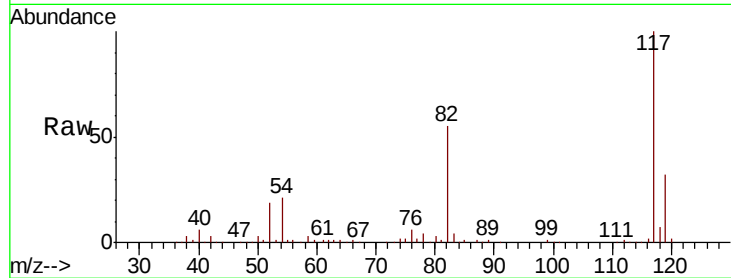
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.3	66.5
119	32.2	25.7	38.5

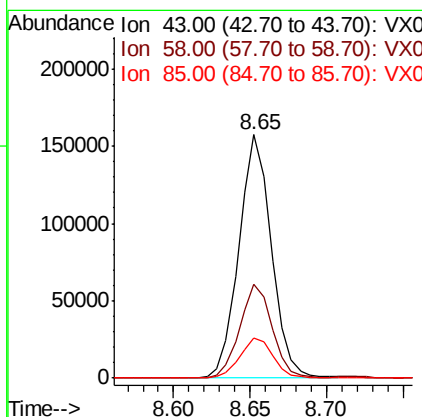
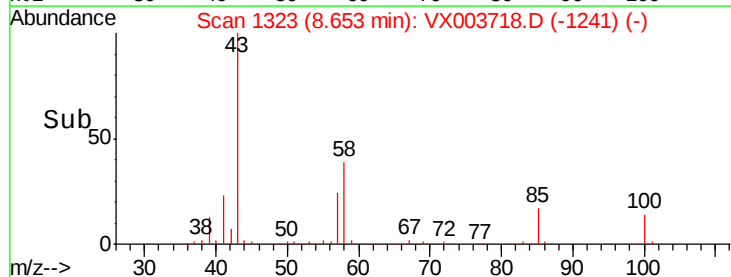
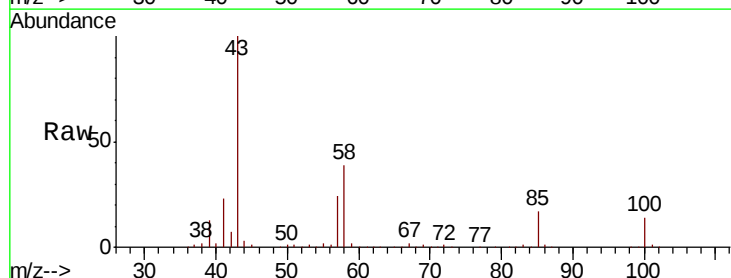
Manual Integrations
APPROVED

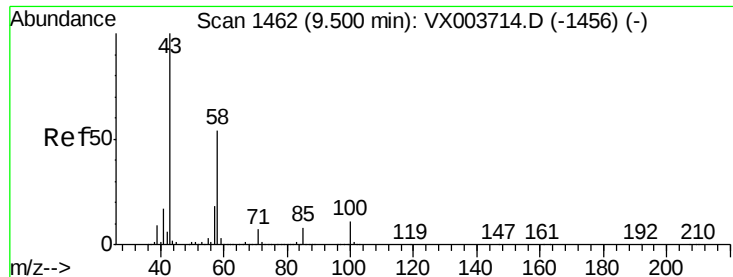
MMDadoda
7/30/2018 3:42:31 PM



#58
4-Methyl-2-Pentanone
Concen: 98.616 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.4	28.2	42.4
85	17.0	12.4	18.6





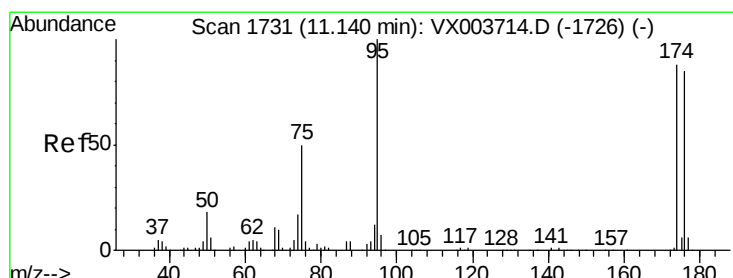
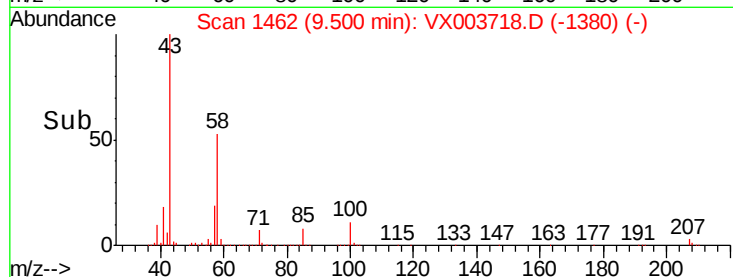
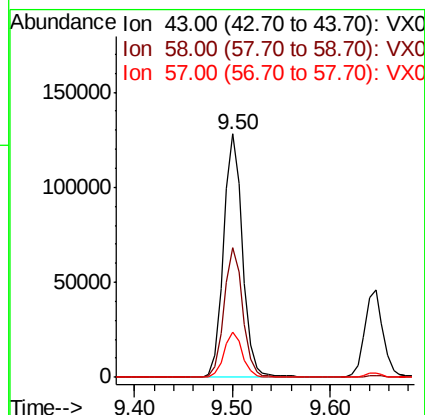
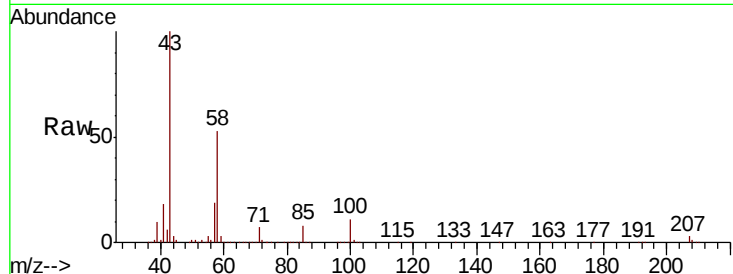
#59
2-Hexanone
Concen: 91.828 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.2	39.6	59.4
57	18.2	14.1	21.1

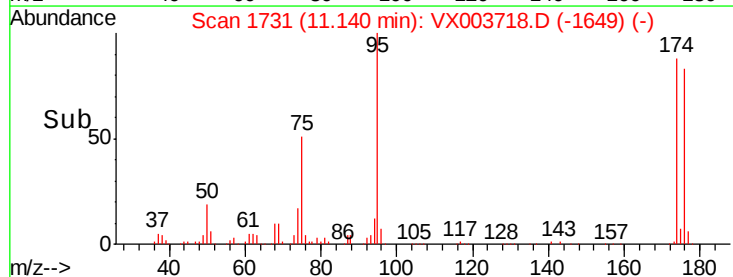
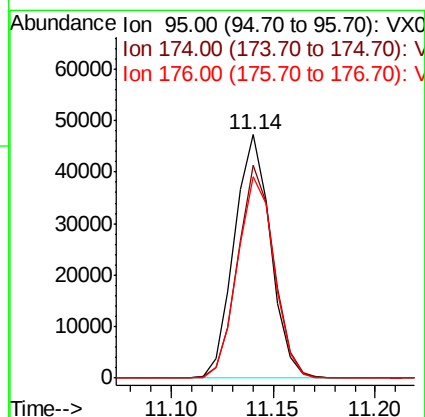
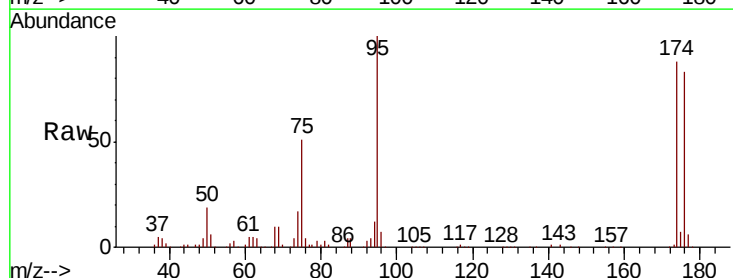
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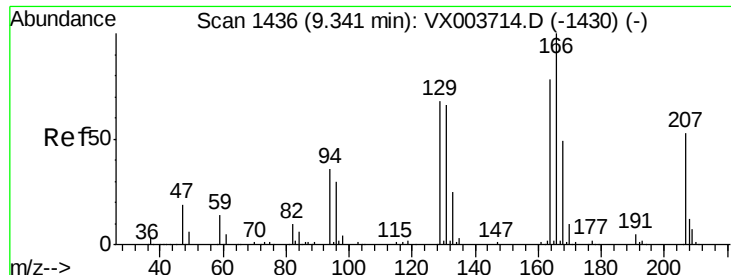
MMDadoda
7/30/2018 3:42:31 PM



#60
4-Bromofluorobenzene
Concen: 28.887 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	71.8	107.6
176	84.2	70.1	105.1





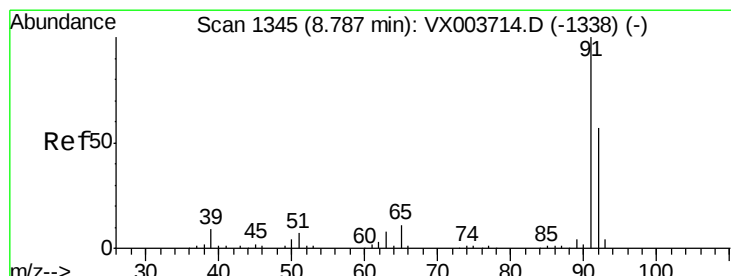
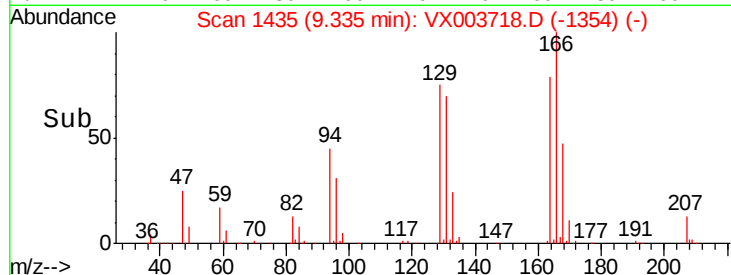
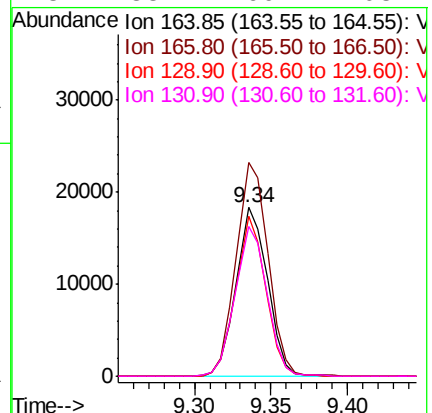
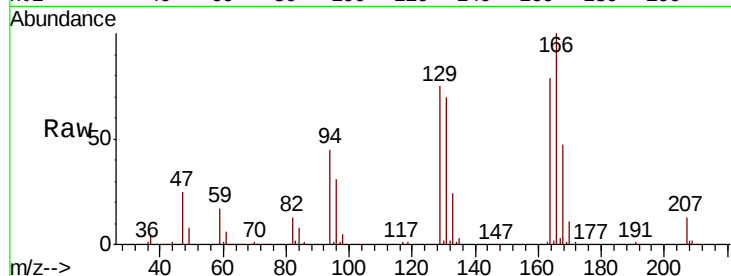
#61
 Tetrachloroethene
 Concen: 18.014 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion	164	Resp	26164
Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.4	153.6
129	94.4	70.1	105.1
131	88.4	69.1	103.7

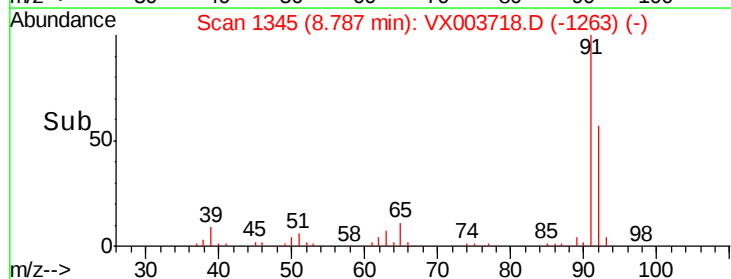
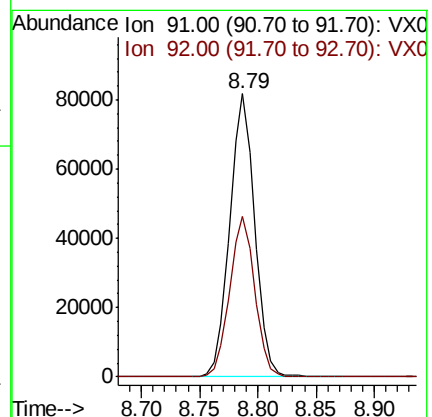
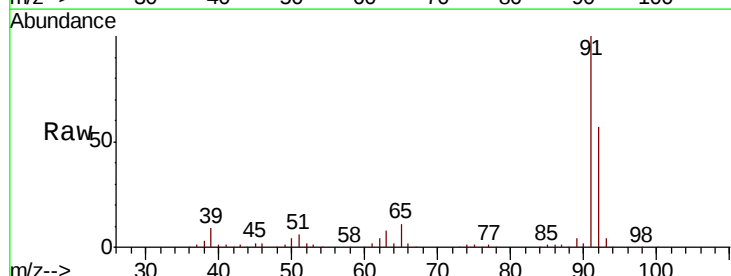
Manual Integrations
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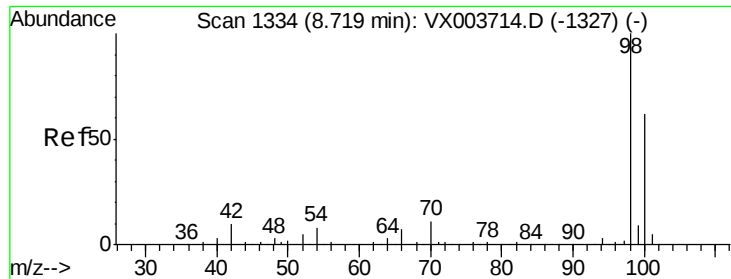
MMDadoda
 7/30/2018 3:42:31 PM



#62
 Toluene
 Concen: 18.808 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	91	Resp	121829
Ion	Ratio	Lower	Upper
91	100		
92	57.1	46.5	69.7





#63

Toluene-d8

Concen: 27.679 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072718

Tot Ion: 98 Resp: 155617

Ion Ratio Lower Upper

98 100

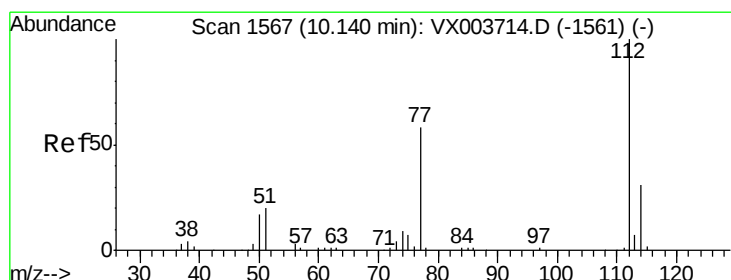
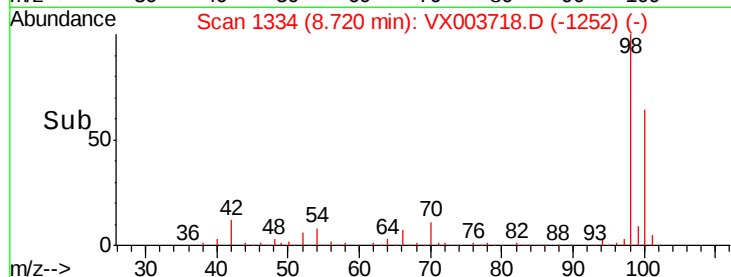
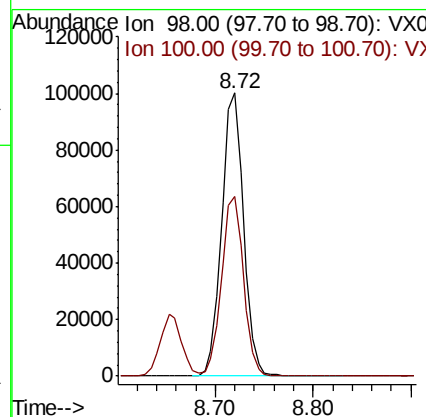
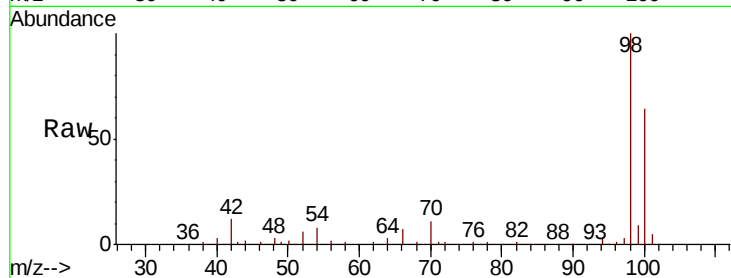
100 64.0 50.8 76.2

Manual Integrations

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#64

Chlorobenzene

Concen: 19.574 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003718.D

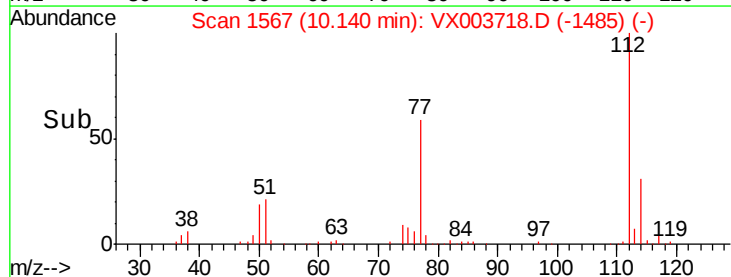
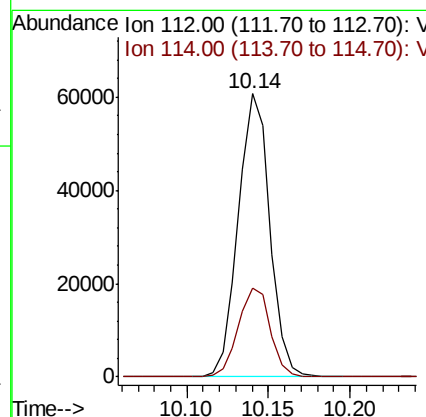
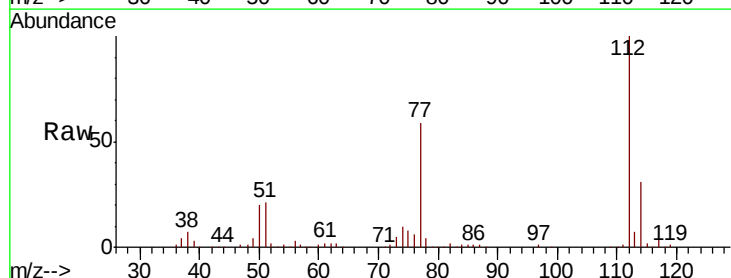
Acq: 27 Jul 2018 15:58

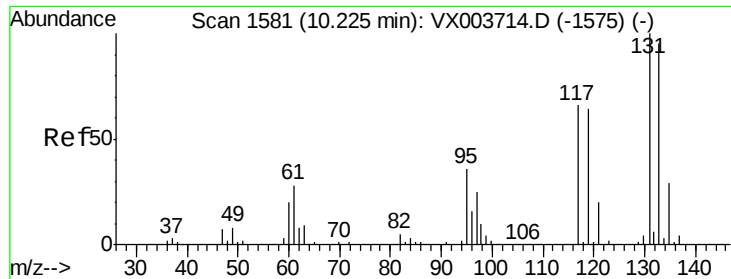
Tgt Ion: 112 Resp: 81940

Ion Ratio Lower Upper

112 100

114 31.3 25.6 38.4





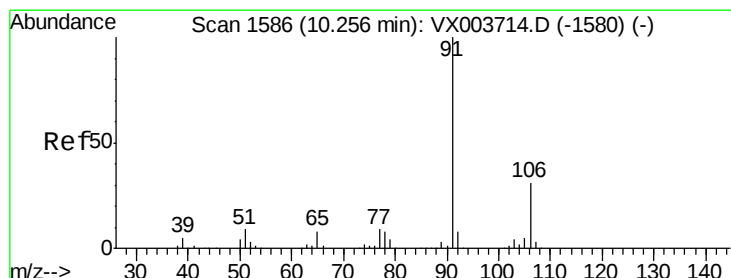
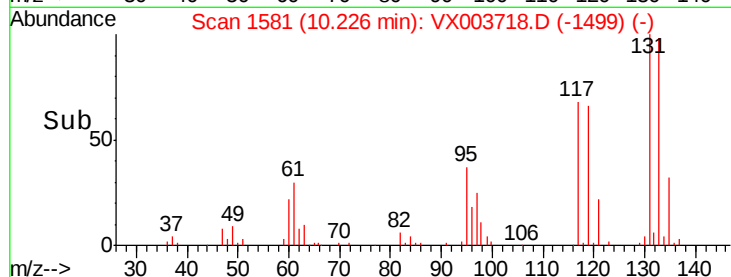
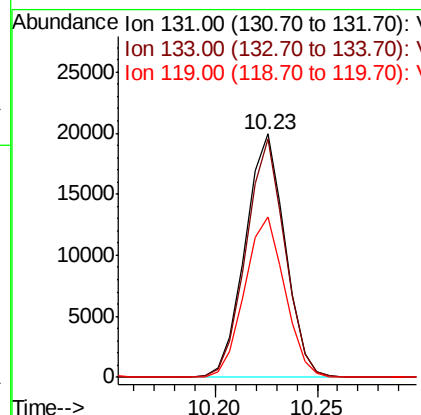
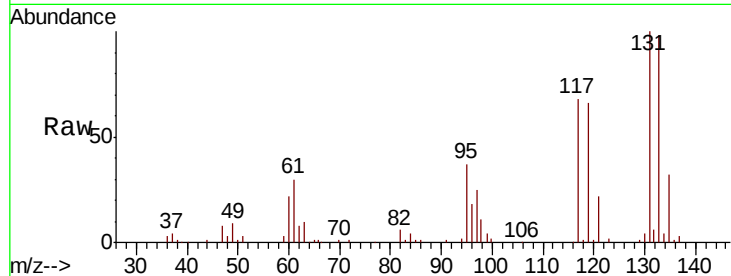
#65
 1,1,1,2-Tetrachloroethane
 Concen: 18.284 ug/l
 RT: 10.23 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.4	0.0	191.2
119	66.2	0.0	125.4

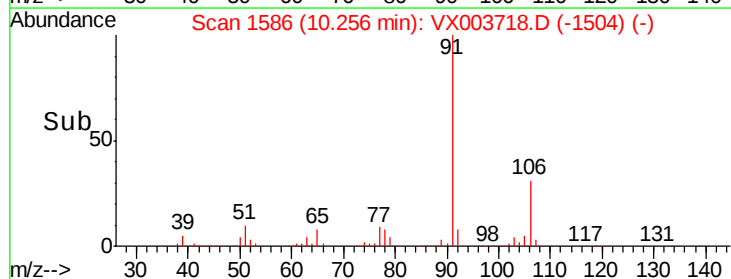
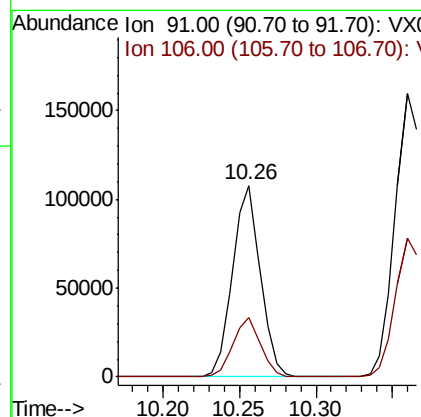
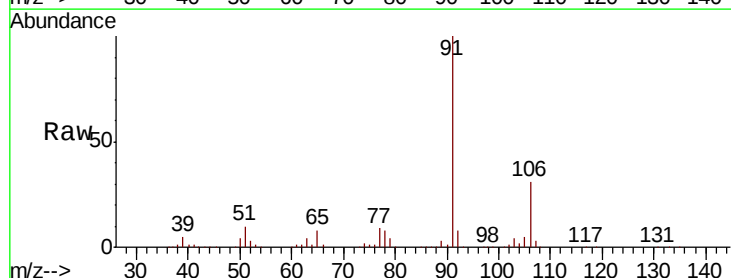
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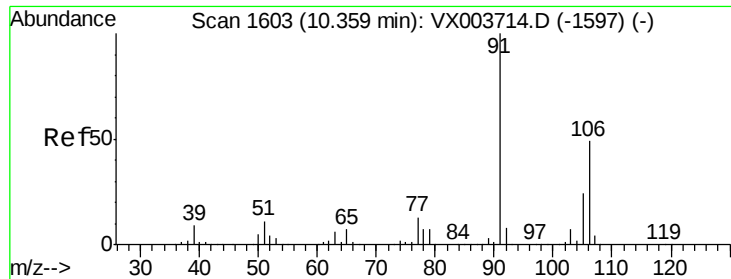
MMDadoda
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#66
 Ethyl Benzene
 Concen: 19.031 ug/l
 RT: 10.26 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.2	37.8





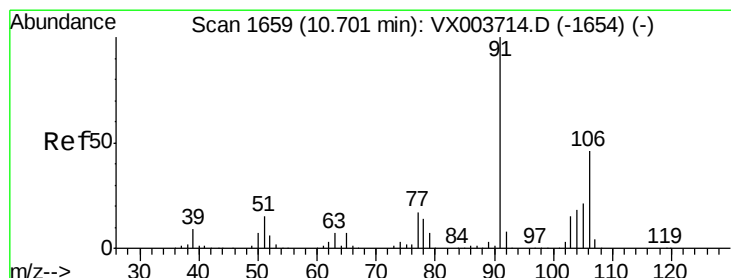
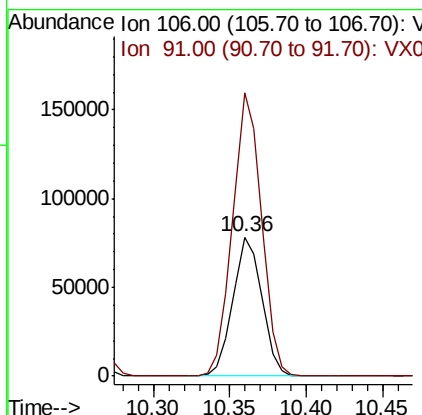
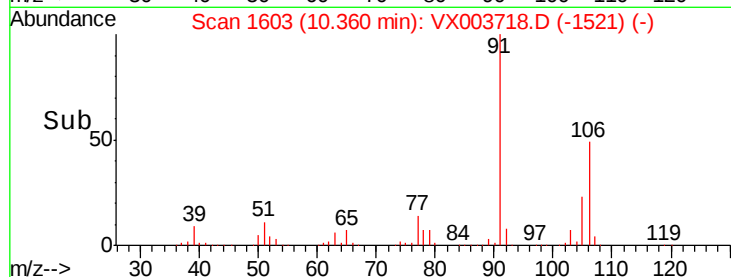
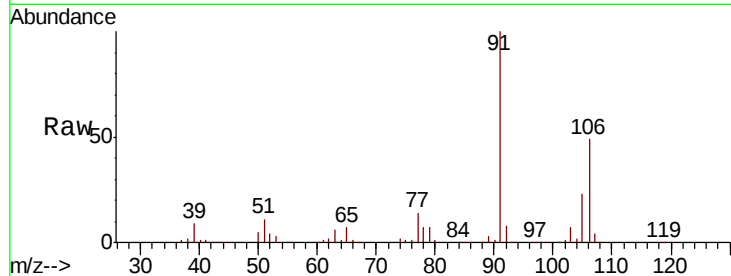
#67
m/p-Xvlenes
Concen: 37.695 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion:106 Resp: 103494
Ion Ratio Lower Upper
106 100
91 202.9 164.1 246.1

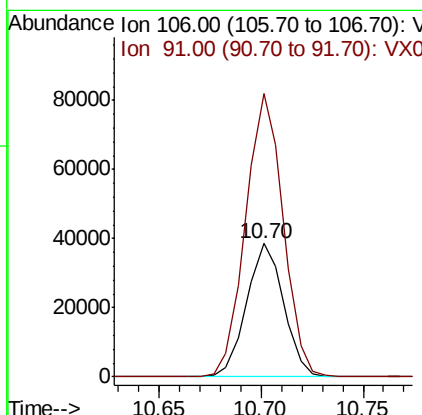
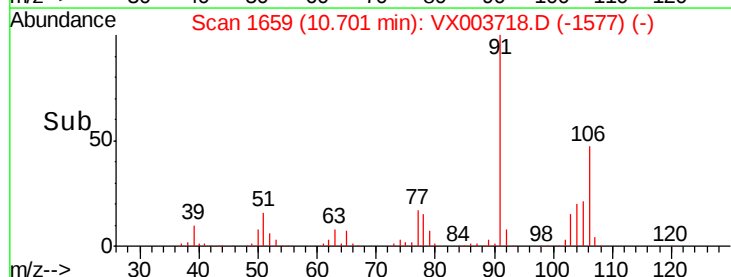
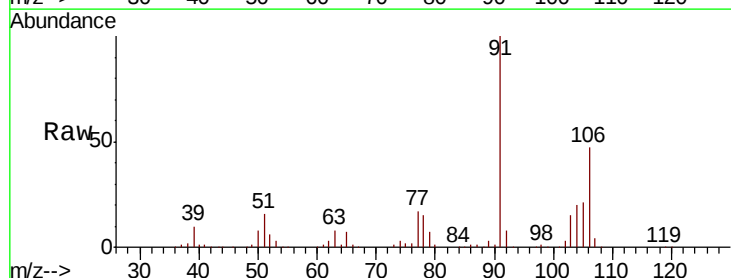
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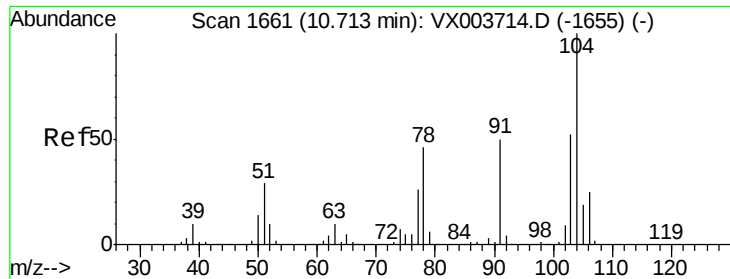
MMDadoda
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#68
o-Xylene
Concen: 18.645 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion:106 Resp: 48972
Ion Ratio Lower Upper
106 100
91 215.4 109.1 327.3





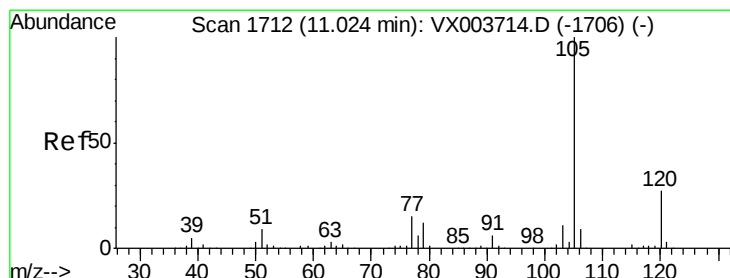
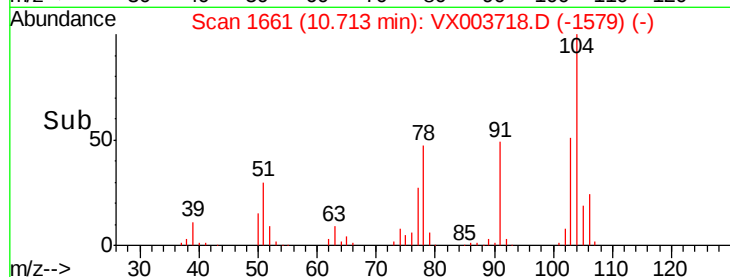
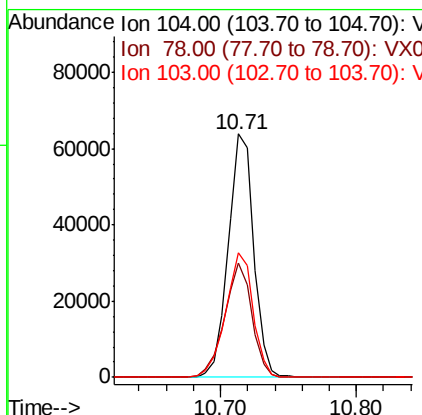
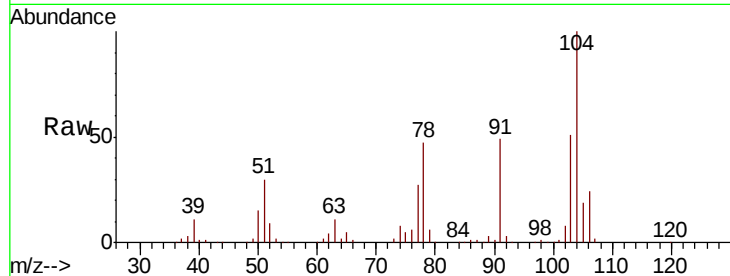
#69
Stvrene
Concen: 18.731 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.9	41.8	62.8
103	54.8	44.9	67.3

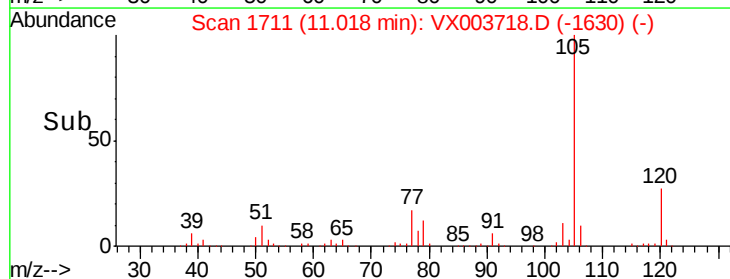
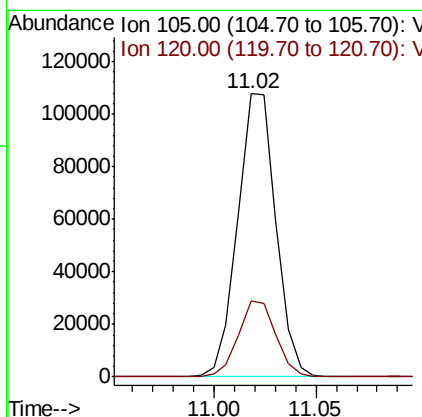
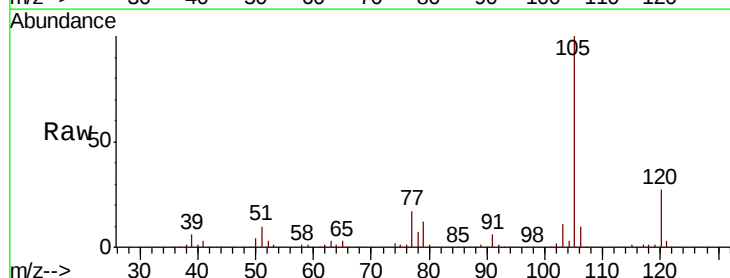
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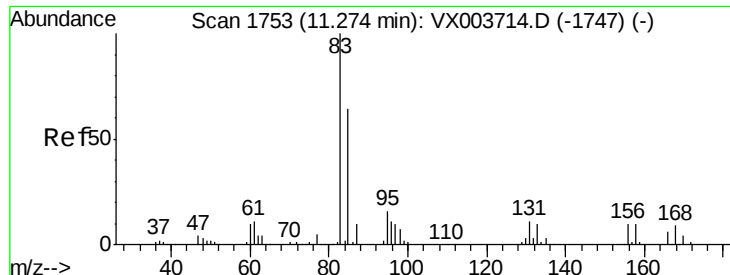
MMDadoda
7/30/2018 3:42:31 PM



#70
Isopropylbenzene
Concen: 19.388 ug/l
RT: 11.02 min Scan# 1711
Delta R.T. -0.01 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	19.0	35.2





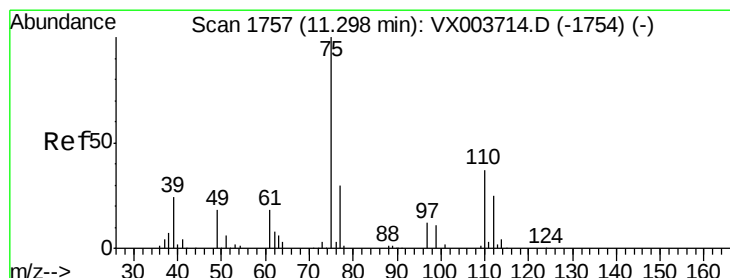
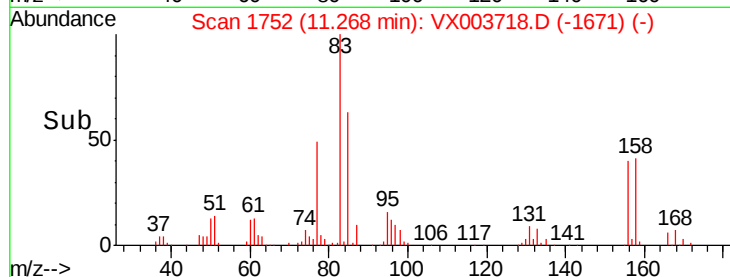
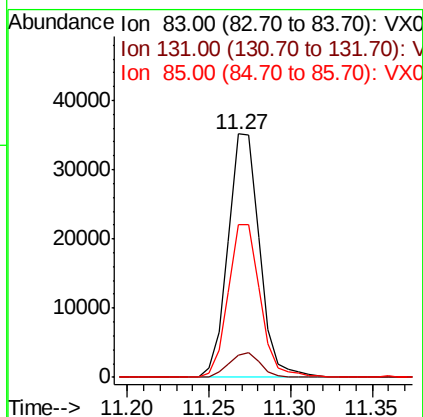
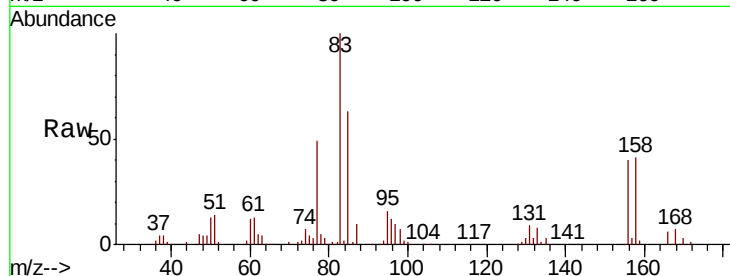
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.317 ug/l
 RT: 11.27 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.4	16.2
85	63.8	32.4	97.2

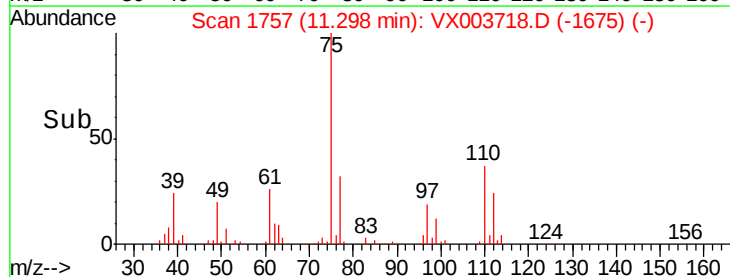
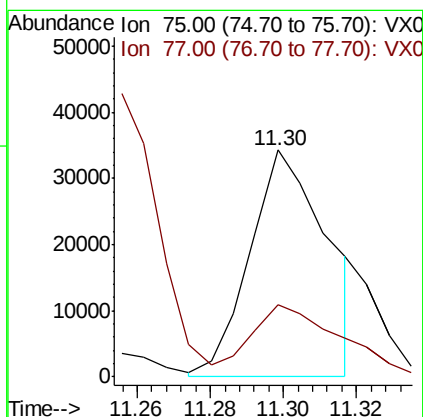
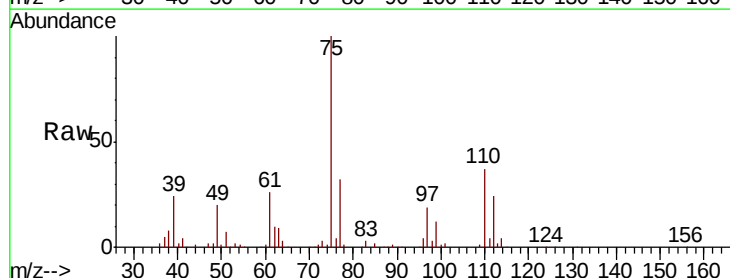
Manual Integrations
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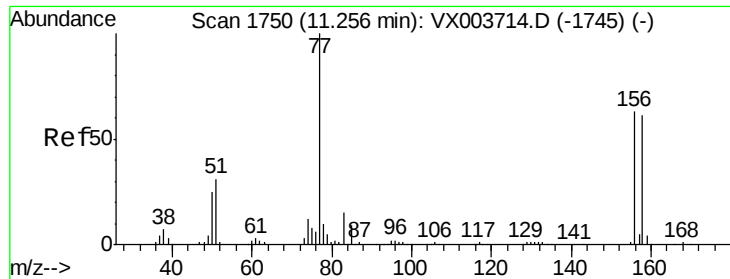
MMDadoda
 7/30/2018 3:42:31 PM



#72
 1,2,3-Trichloropropane
 Concen: 23.353 ug/l m
 RT: 11.30 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.4	0.0	71.8





#73

Bromobenzene

Concen: 18.225 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

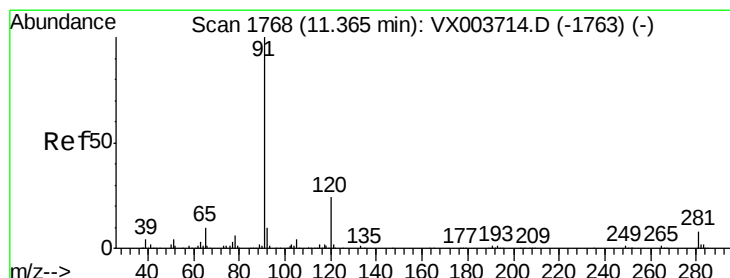
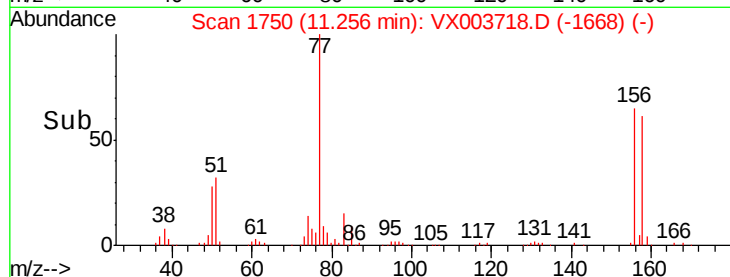
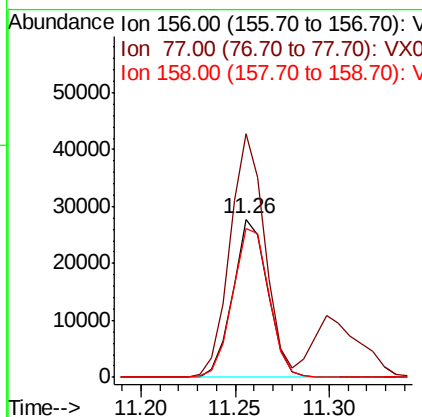
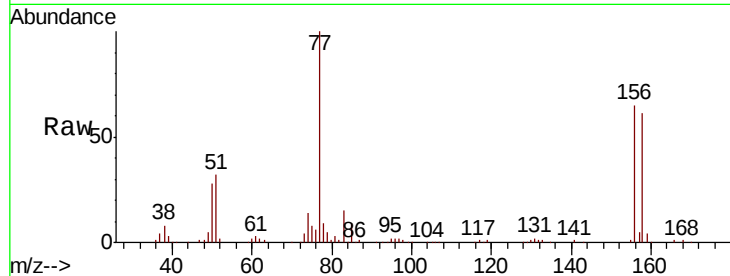
ClientSampleId :

ICVVX072718

Tot Ion:	156	Resp:	35519
Ion Ratio	Lower	Upper	
156	100		
77	154.3	0.0	301.0
158	98.2	0.0	196.2

Manual Integrations
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#74

n-propylbenzene

Concen: 21.119 ug/l

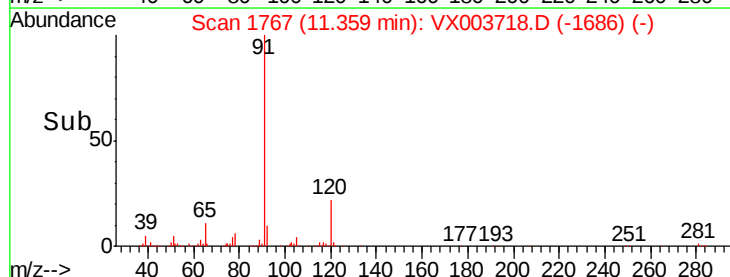
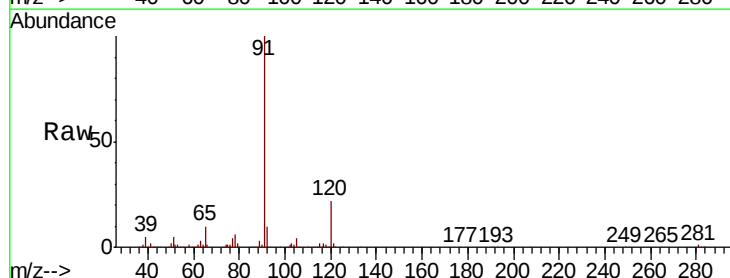
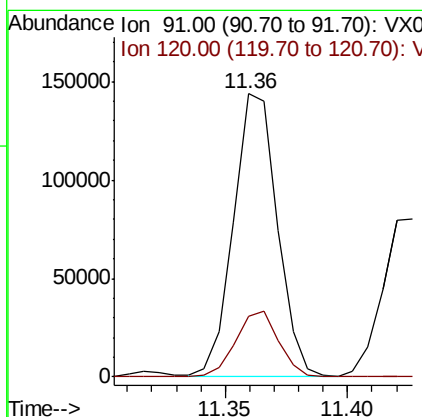
RT: 11.36 min Scan# 1767

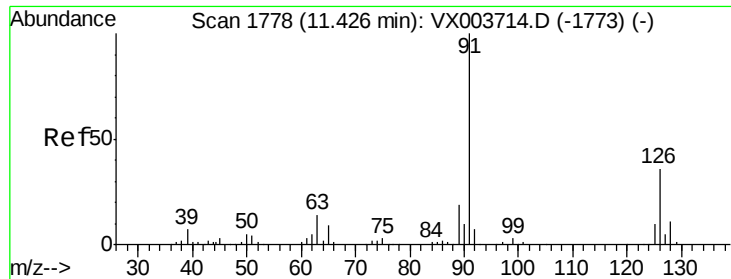
Delta R.T. -0.01 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Tgt Ion:	91	Resp:	179893
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	46.2





#75

2-Chlorotoluene

Concen: 20.739 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072718

Tot Ion: 91 Resp: 104118

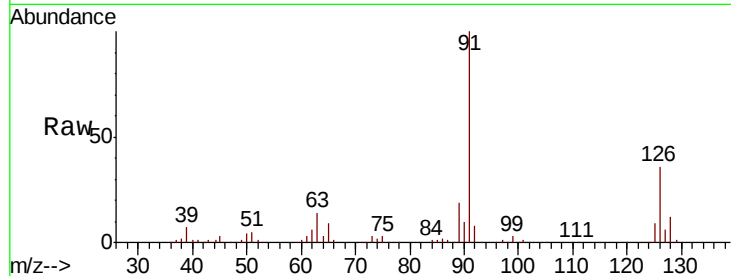
Ion Ratio Lower Upper

91 100

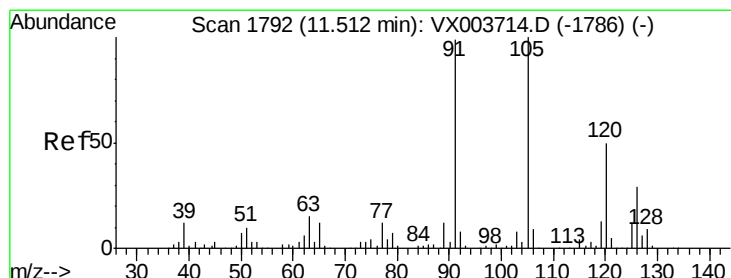
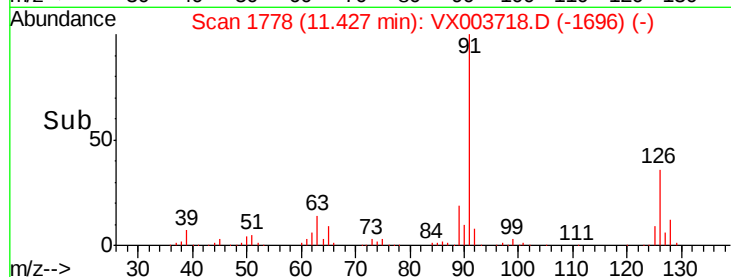
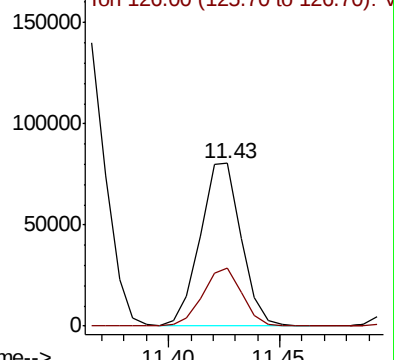
126 34.2 0.0 69.4

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Abundance Ion 91.00 (90.70 to 91.70): VX003718.D (-1773) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.320 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003718.D

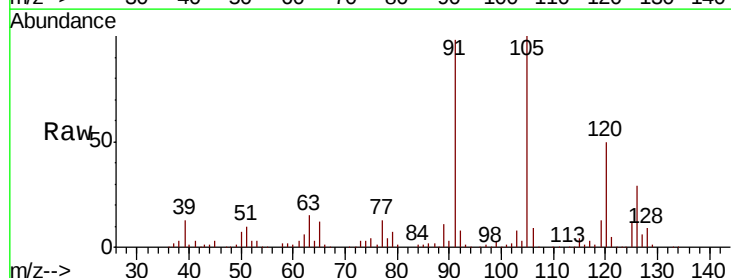
Acq: 27 Jul 2018 15:58

Tgt Ion: 105 Resp: 124690

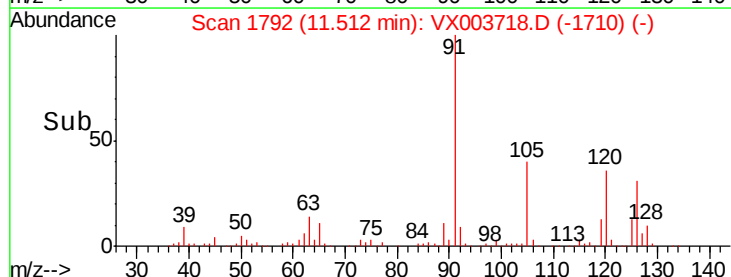
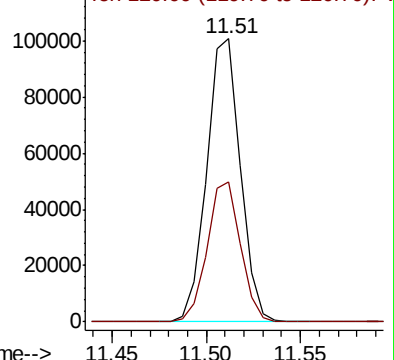
Ion Ratio Lower Upper

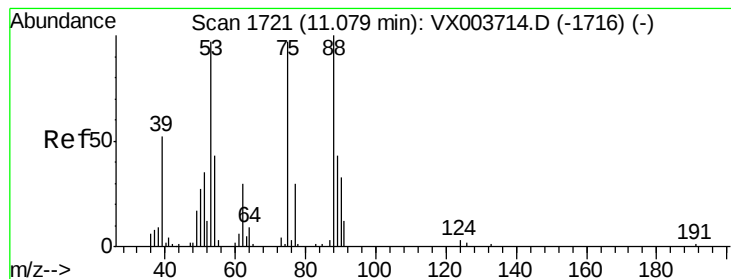
105 100

120 49.0 0.0 96.8



Abundance Ion 105.00 (104.70 to 105.70): VX003718.D (-1786) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.183 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072718

Tot Ion: 75 Resp: 13306

Ion Ratio Lower Upper

75 100

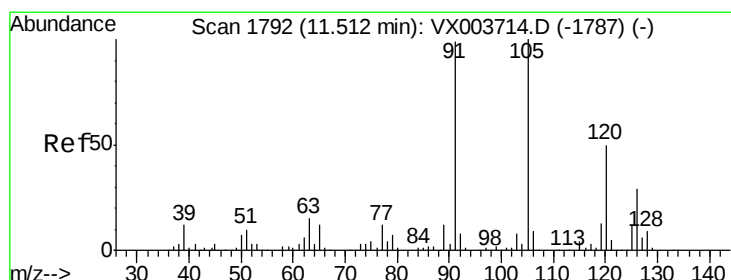
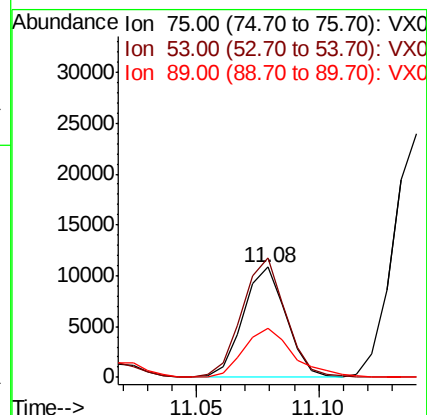
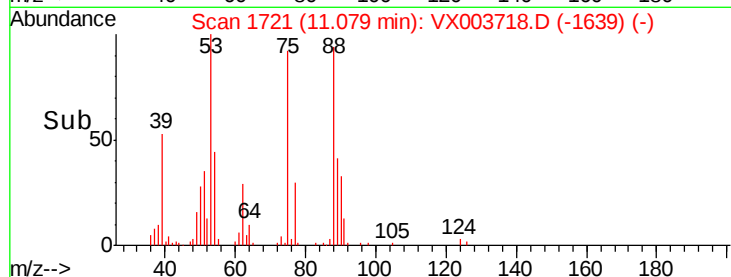
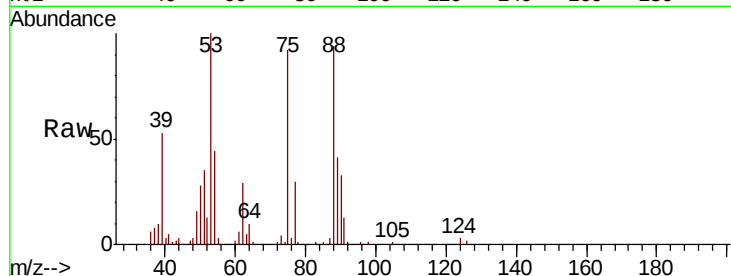
53 108.5 48.3 144.9

89 44.8 21.8 65.4

Manual Integrations
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#78

4-Chlorotoluene

Concen: 20.701 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003718.D

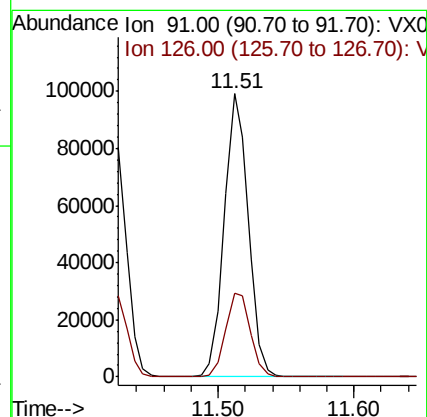
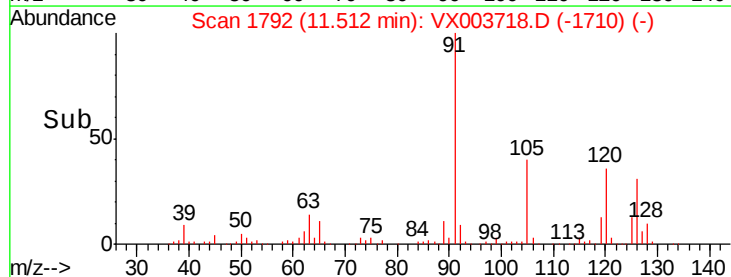
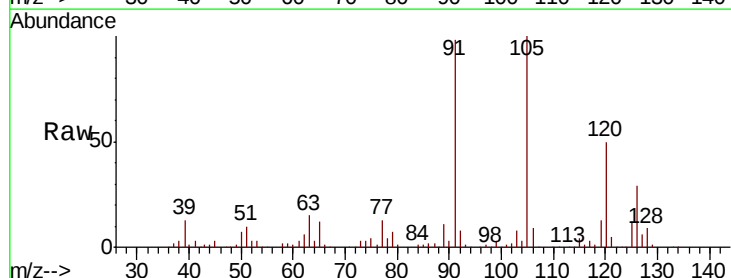
Acq: 27 Jul 2018 15:58

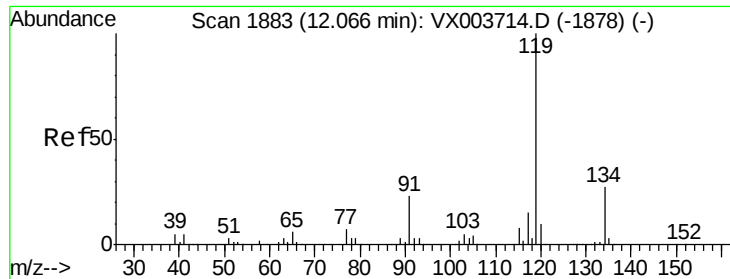
Tgt Ion: 91 Resp: 121603

Ion Ratio Lower Upper

91 100

126 30.3 0.0 61.0





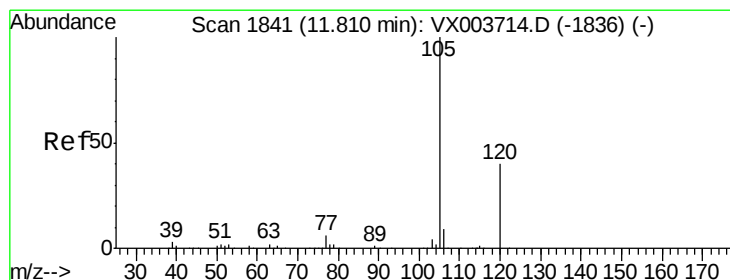
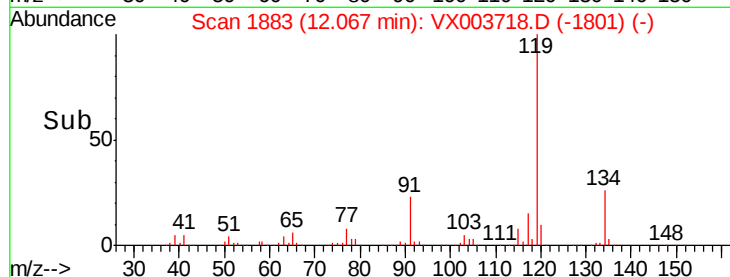
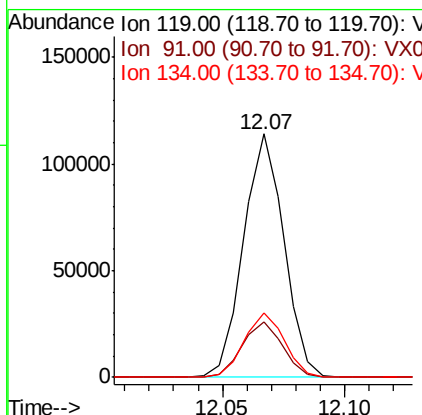
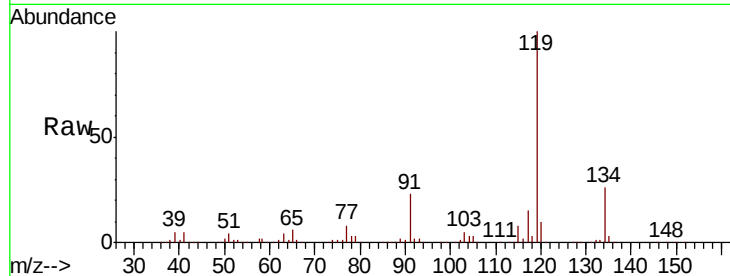
#79
tert-butylbenzene
Concen: 20.719 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Resp	Lower	Upper
119	100	130815		
91	23.1	0.0	48.0	
134	26.4	0.0	52.6	

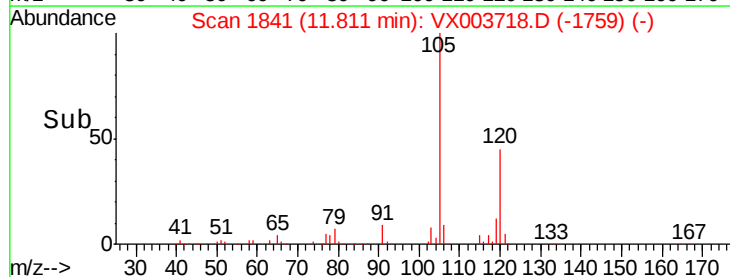
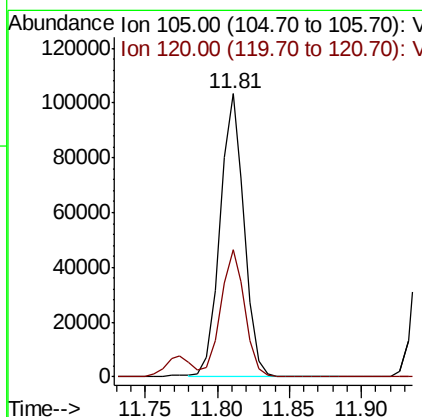
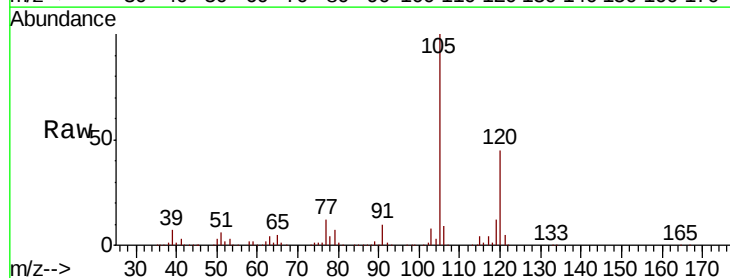
Manual Integrations
APPROVED

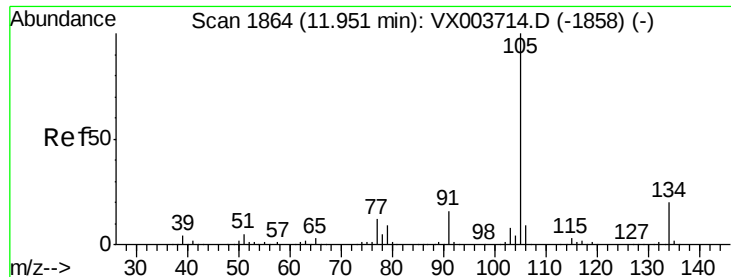
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.300 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	121205		
120	44.7	0.0	89.2	





#81

sec-Butylbenzene

Concen: 19.679 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

Instrument :

MSVOA_X

ClientSampleId :

ICVVX072718

Tot Ion:105 Resp: 140630

Ion Ratio Lower Upper

105 100

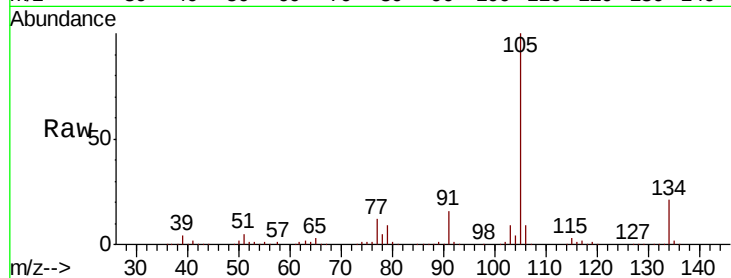
134 20.1 0.0 41.6

Manual Integrations

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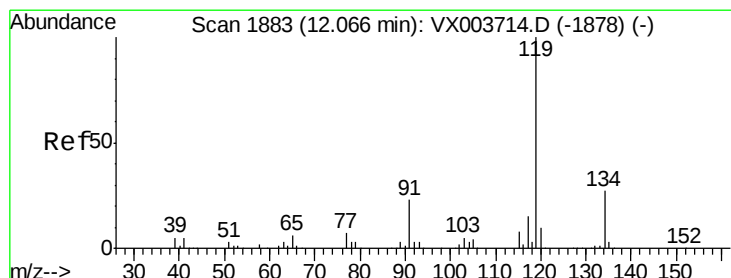
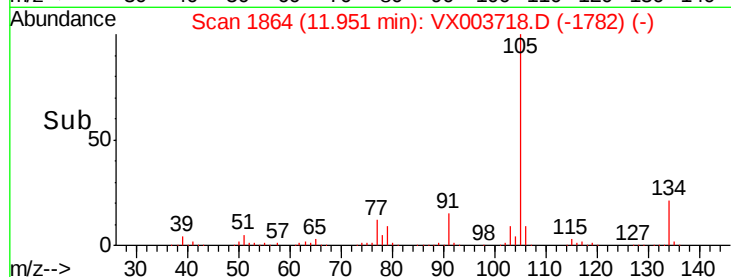
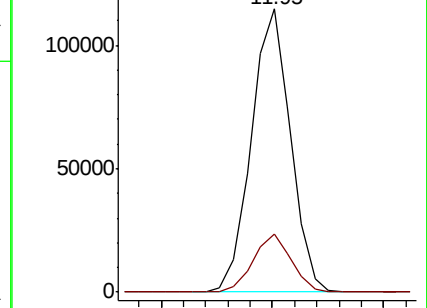
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.719 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003718.D

Acq: 27 Jul 2018 15:58

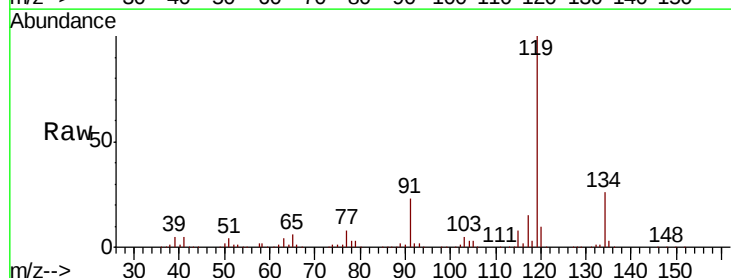
Tgt Ion:119 Resp: 130815

Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.6

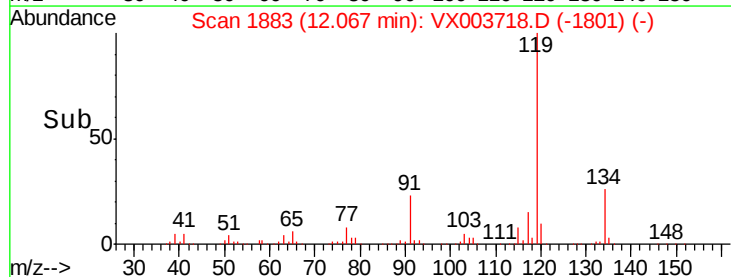
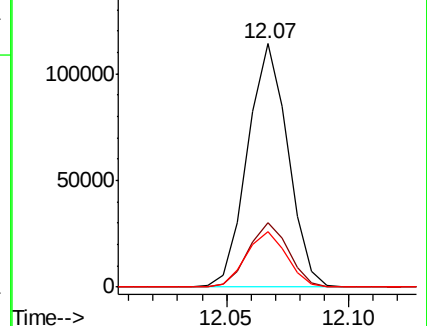
91 23.1 0.0 48.0

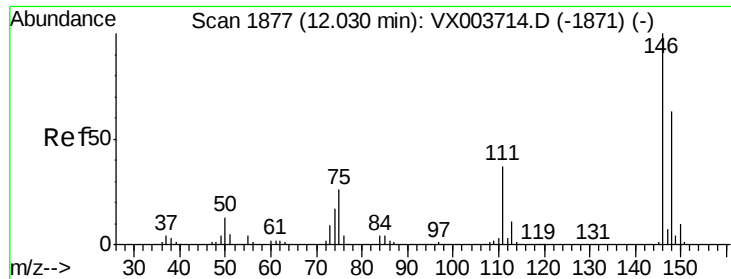


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





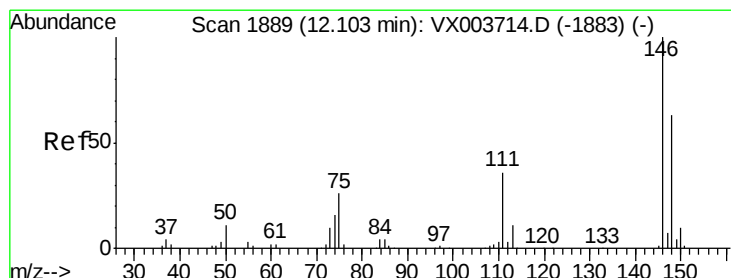
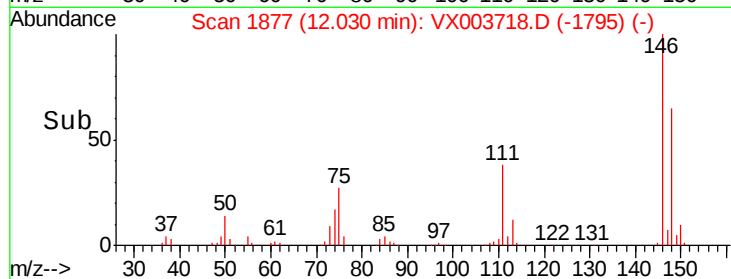
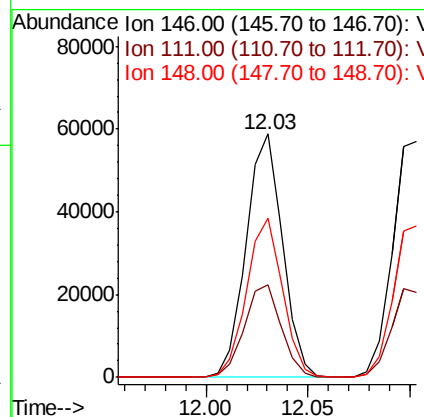
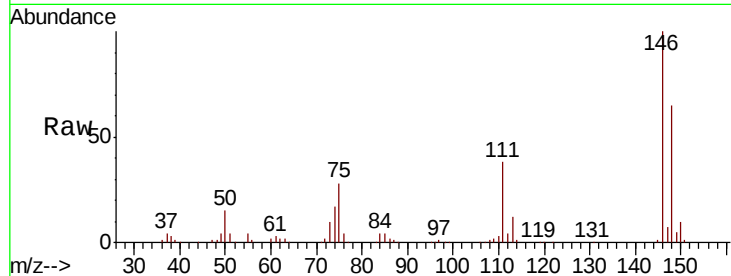
#83
 1,3-Dichlorobenzene
 Concen: 20.514 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	64.7	31.9	95.7

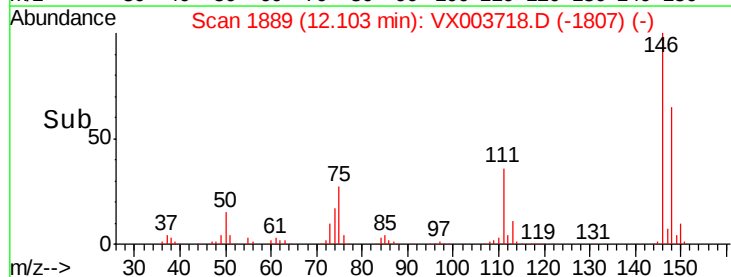
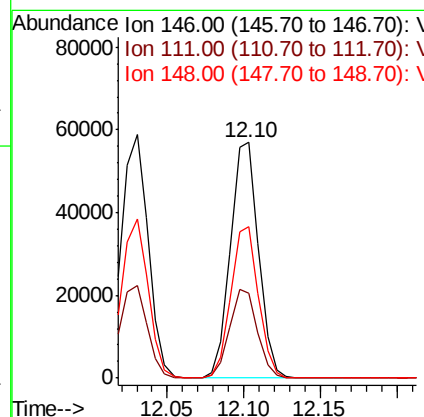
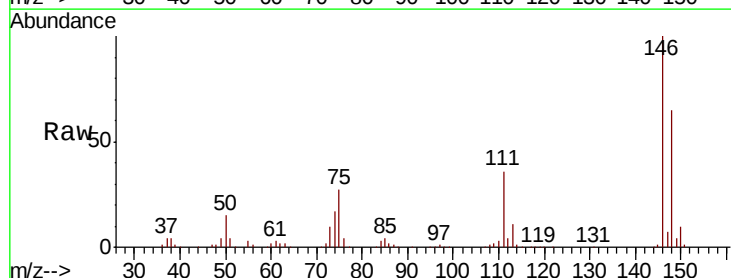
Manual Integrations
 APPROVED

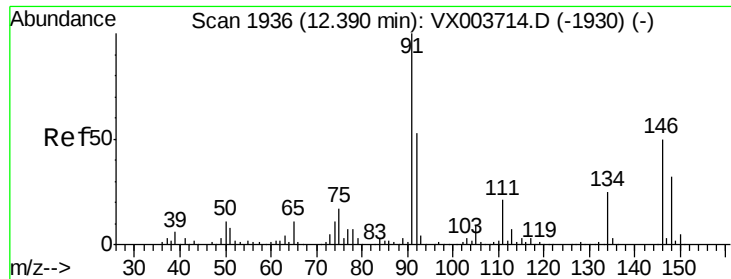
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 20.258 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.5	55.5
148	62.8	32.0	96.0





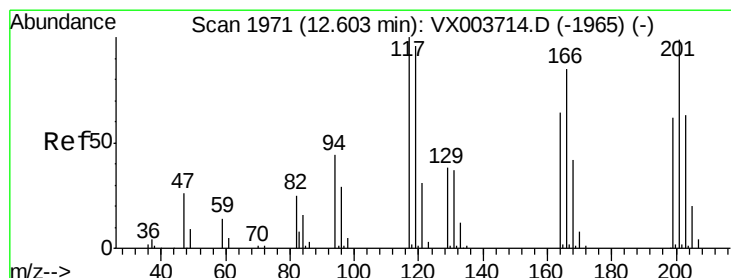
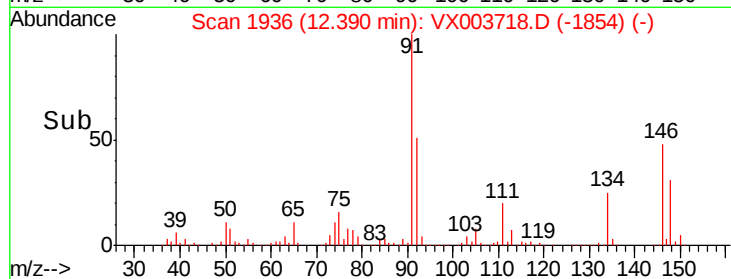
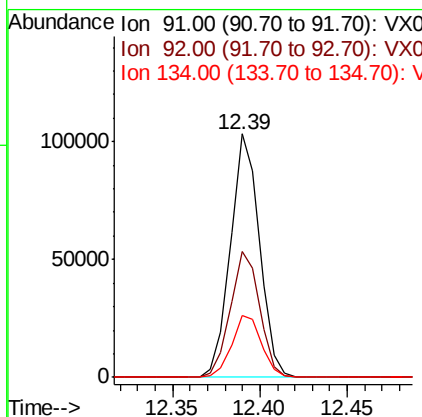
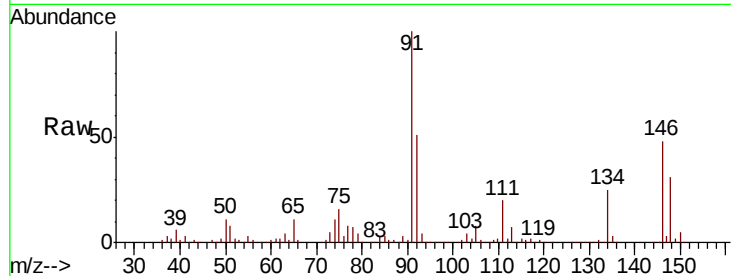
#85
n-Butylbenzene
Concen: 21.252 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Resp	Lower	Upper
91	100	119101		
92	52.4	0.0	105.2	
134	26.0	0.0	53.2	

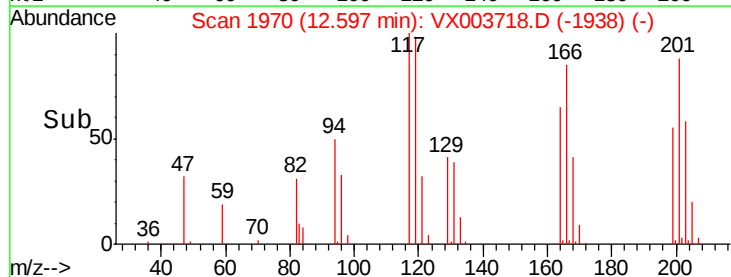
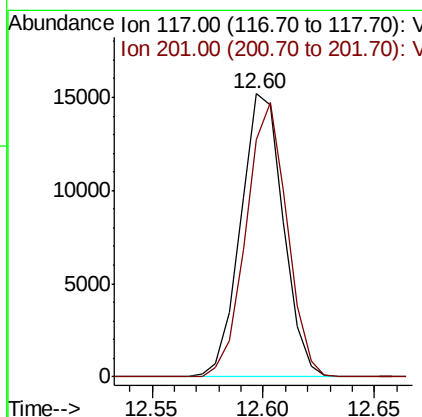
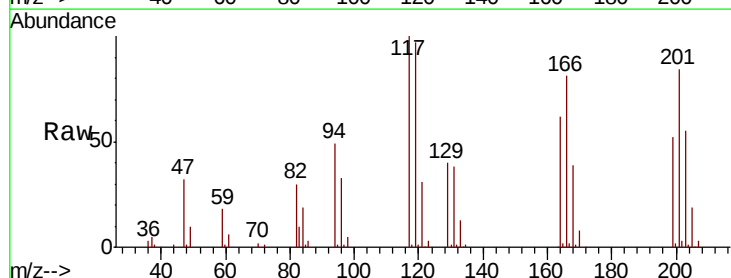
Manual Integrations
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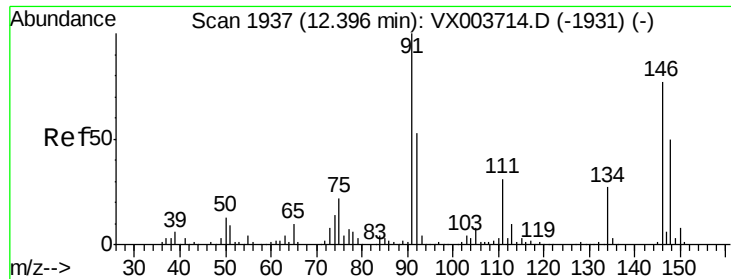
MMDadoda
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#86
Hexachloroethane
Concen: 19.933 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.01 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	20280		
201	93.0	47.6	142.8	





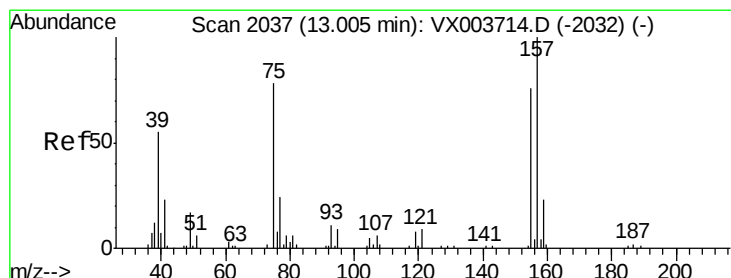
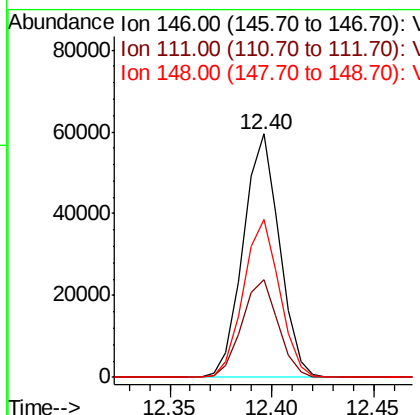
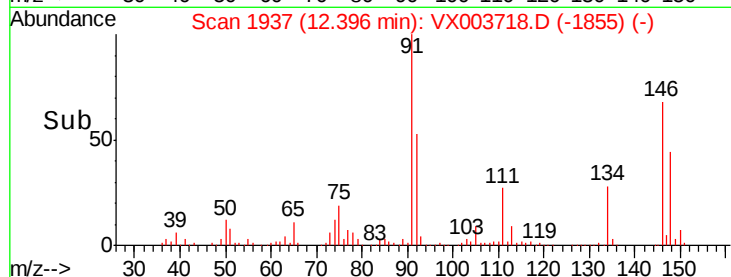
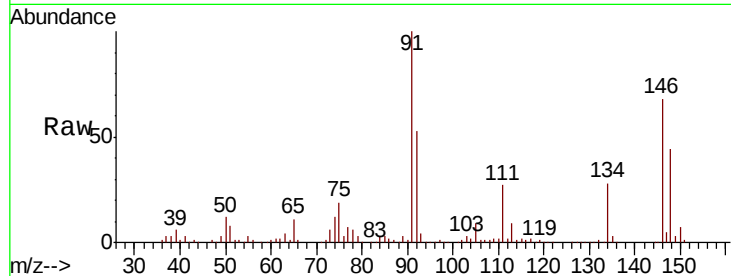
#87
 1,2-Dichlorobenzene
 Concen: 20.531 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	64.9	32.8	98.3

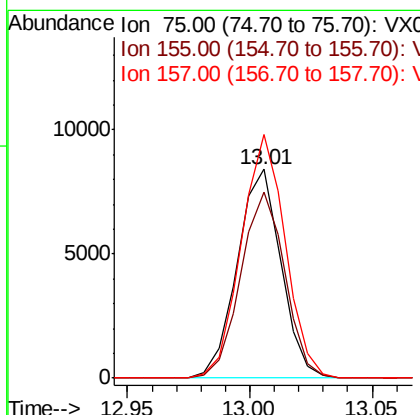
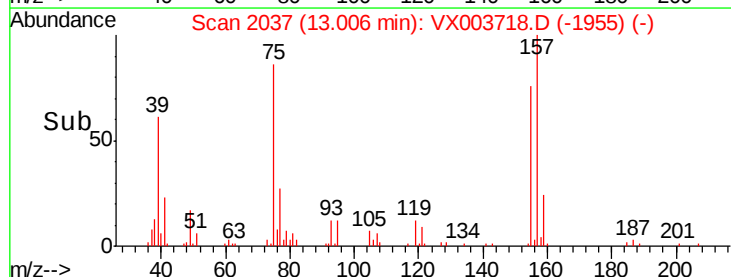
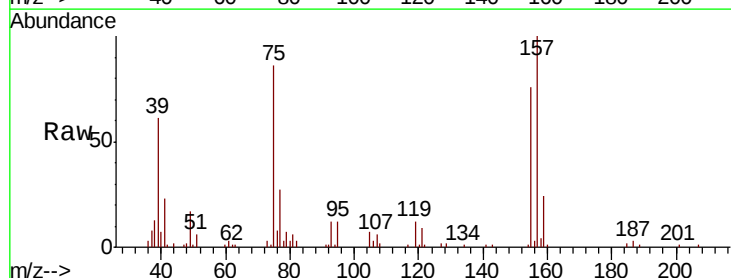
Manual Integrations
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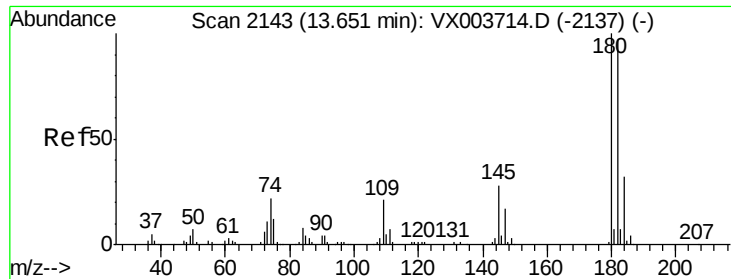
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.265 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	73.1	109.7
157	116.9	93.1	139.7





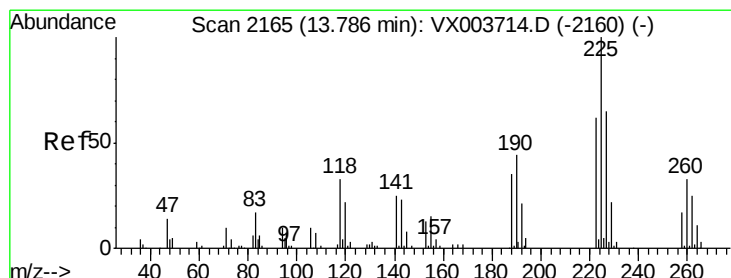
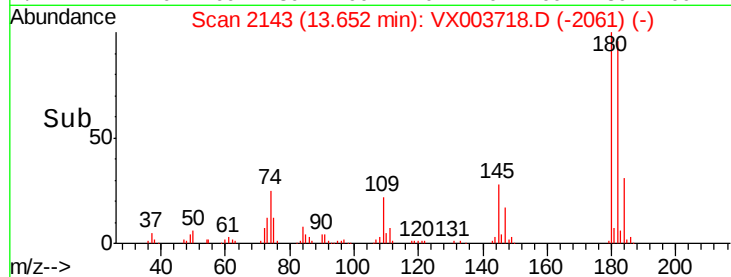
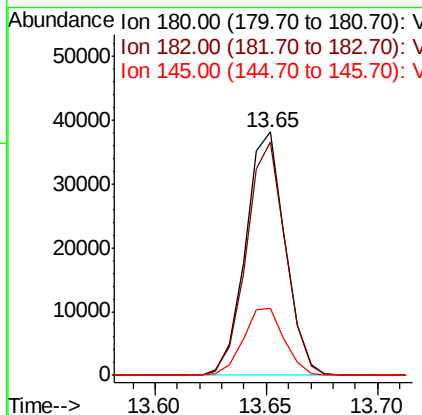
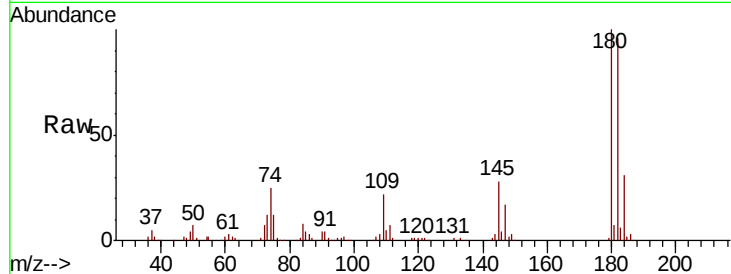
#89
 1,2,4-Trichlorobenzene
 Concen: 18.857 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX072718

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.4	114.6
145	28.5	22.9	34.3

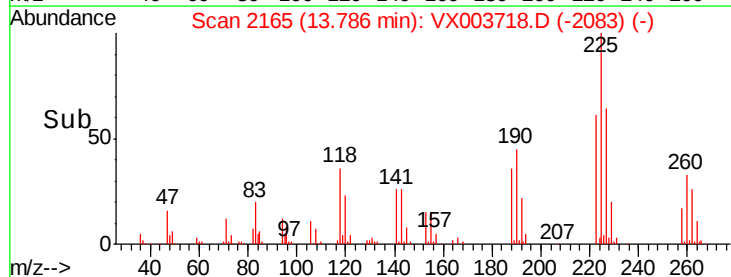
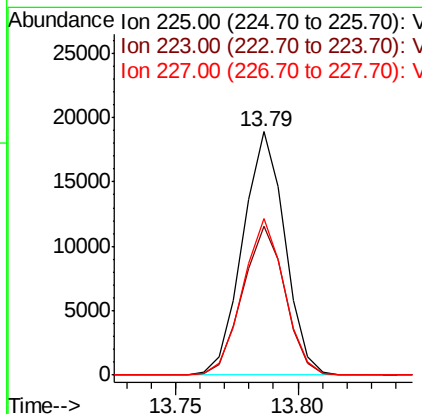
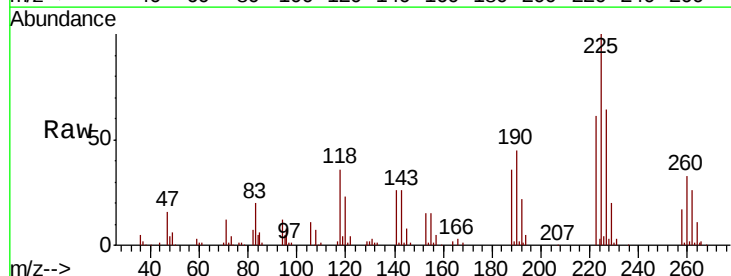
Manual Integrations
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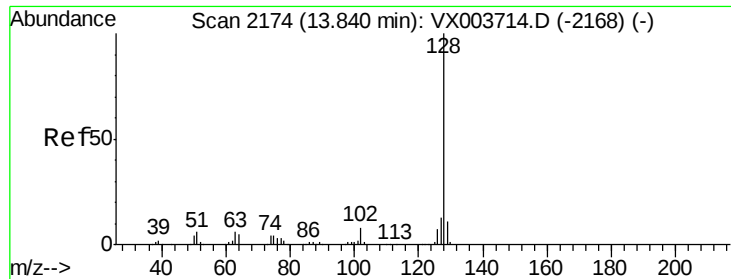
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#90
 Hexachlorobutadiene
 Concen: 19.932 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003718.D
 Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	0.0	122.4
227	63.1	0.0	128.0





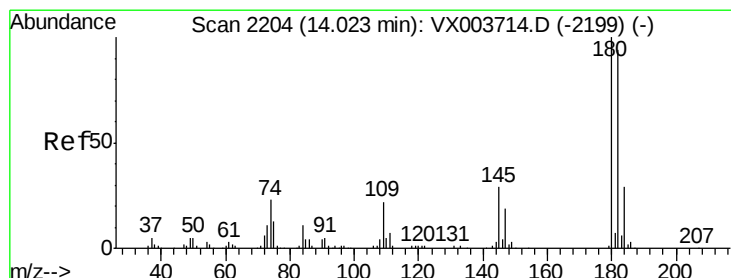
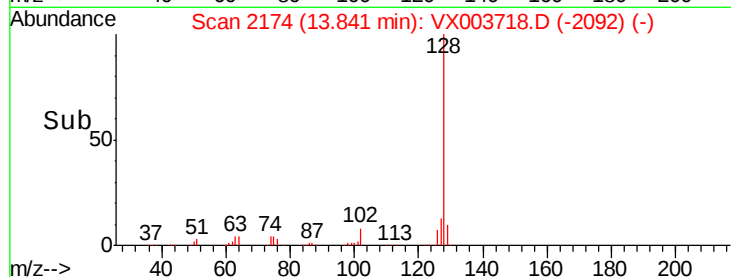
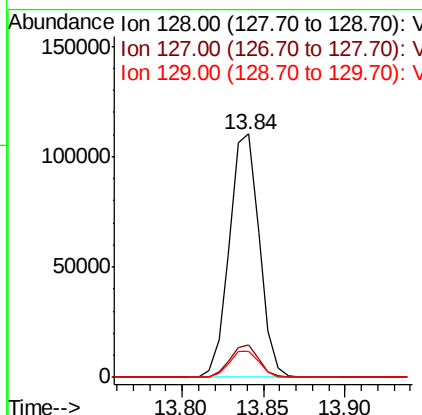
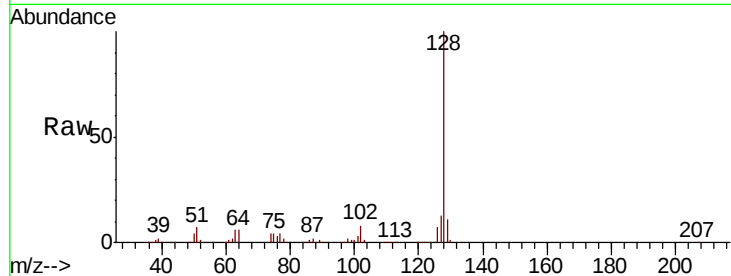
#91
Naphthalene
Concen: 18.312 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072718

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.9	13.3

Manual Integrations
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7/30/2018 3:42:31 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.666 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003718.D
Acq: 27 Jul 2018 15:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	191.0
145	30.7	0.0	60.6

