

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004919.D
 Acq On : 02 Oct 2018 15:12
 Operator : JC/MD
 Sample : VX1002WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX1002WBSD01

Manual Integrations
 APPROVED

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 10/3/2018 4:23:28 PM

Quant Time: Oct 03 08:22:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:49:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	53304	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	291316	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	269300	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	116847	28.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.17%
60) 4-Bromofluorobenzene	11.14	95	131696	29.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.07%
63) Toluene-d8	8.71	98	365913	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	86198	20.770	ug/l 98
3) Chloromethane	1.32	50	89122	20.698	ug/l 98
4) Vinyl Chloride	1.40	62	86660	19.687	ug/l 98
5) Bromomethane	1.64	94	45126	21.364	ug/l 98
6) Chloroethane	1.72	64	49513	19.592	ug/l 100
7) Trichlorofluoromethane	1.93	101	111375	19.863	ug/l 100
8) Diethyl Ether	2.18	74	43513	19.036	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64261	19.956	ug/l 99
10) 1,1-Dichloroethene	2.37	96	58319	19.120	ug/l 96
11) Methyl Iodide	2.51	142	38806	20.957	ug/l 99
12) Methyl Acetate	2.78	43	120833	19.646	ug/l 96
13) Acrolein	2.29	56	46378	81.614	ug/l 97
14) Acrylonitrile	3.15	53	237969	94.679	ug/l 100
15) Acetone	2.44	58	74246	88.370	ug/l 95
16) Carbon Disulfide	2.57	76	172747	19.310	ug/l 99
17) Allyl chloride	2.73	41	131558	19.397	ug/l 99
18) Methylene Chloride	2.85	84	69386	19.561	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	62947	19.317	ug/l 95
20) Diisopropyl ether	3.87	45	232801	20.131	ug/l 97
21) 1,1-Dichloroethane	3.70	63	126894	19.915	ug/l 98
22) cis-1,2-Dichloroethene	4.59	96	68233	18.929	ug/l 100
23) tert-Butyl Alcohol	3.06	59	113229	97.602	ug/l # 100
24) Methyl tert-Butyl Ether	3.20	73	212864	18.991	ug/l 100
25) Chloroform	5.21	83	115403	19.244	ug/l 97
26) Cyclohexane	5.57	56	105546	19.302	ug/l # 97
29) 1,1-Dichloropropene	5.80	75	85618	19.861	ug/l 99
30) 2-Butanone	4.70	43	334494	95.438	ug/l 99
31) 2,2-Dichloropropane	4.58	77	94896	20.064	ug/l 100
32) 1,1,1-Trichloroethane	5.49	97	98270	19.831	ug/l 99
33) Carbon Tetrachloride	5.78	117	83969	19.294	ug/l 99
34) Benzene	6.14	78	256037	19.572	ug/l 97
35) Methacrylonitrile	5.06	41	63612	19.530	ug/l 99
36) 1,2-Dichloroethane	6.20	62	92838	19.700	ug/l 100
37) Trichloroethene	7.21	130	69152	20.069	ug/l 96
38) Methylcyclohexane	7.46	83	100566	19.649	ug/l 99
39) 1,2-Dichloropropane	7.51	63	68717	19.715	ug/l 97
40) Dibromomethane	7.66	93	43980	19.468	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	83857	19.255	ug/l	100
42) Vinyl Acetate	3.82	43	1069418	105.467	ug/l	100
43) Ethyl Acetate	4.85	43	110617	19.133	ug/l	99
44) Isopropyl Acetate	6.46	43	163933	19.001	ug/l	99
45) 1,4-Dioxane	7.75	88	40620	399.616	ug/l	98
46) Methyl methacrylate	7.77	41	86242	19.266	ug/l	96
47) n-amyl Acetate	10.90	43	143103	17.978	ug/l	99
48) t-1,3-Dichloropropene	9.04	75	93232	18.712	ug/l	100
49) cis-1,3-Dichloropropene	8.43	75	104428	19.337	ug/l	99
50) 1,1,2-Trichloroethane	9.21	97	67917	19.857	ug/l	99
51) Ethyl methacrylate	9.18	69	101920	18.777	ug/l	98
52) 1,3-Dichloropropane	9.37	76	111487	19.321	ug/l	99
53) Dibromochloromethane	9.59	129	67411	18.997	ug/l	99
54) 1,2-Dibromoethane	9.67	107	68506	19.220	ug/l	99
55) 2-Chloroethyl vinyl ether	8.31	63	273064	95.337	ug/l	99
56) Bromoform	10.86	173	54007	18.225	ug/l	100
58) 4-Methyl-2-Pentanone	8.65	43	591662	97.851	ug/l	98
59) 2-Hexanone	9.49	43	474871	95.323	ug/l	99
61) Tetrachloroethene	9.34	164	66634	20.332	ug/l	99
62) Toluene	8.79	91	284141	20.076	ug/l	98
64) Chlorobenzene	10.14	112	179884	19.681	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.22	131	63923	19.239	ug/l	99
66) Ethyl Benzene	10.25	91	300760	19.465	ug/l	99
67) m/p-Xylenes	10.36	106	237858	39.537	ug/l	98
68) o-Xylene	10.70	106	113881	19.637	ug/l	98
69) Styrene	10.71	104	189788	19.462	ug/l	100
70) Isopropylbenzene	11.02	105	308518	19.867	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.27	83	108392	18.793	ug/l	99
72) 1,2,3-Trichloropropane	11.30	75	101319m	19.282	ug/l	
73) Bromobenzene	11.26	156	81407	19.071	ug/l	98
74) n-propylbenzene	11.36	91	362695	19.850	ug/l	99
75) 2-Chlorotoluene	11.42	91	219786	19.723	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	264914	19.772	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	30032	17.383	ug/l	99
78) 4-Chlorotoluene	11.51	91	253202	19.549	ug/l	100
79) tert-butylbenzene	12.07	119	280385	19.718	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	270915	19.827	ug/l	99
81) sec-Butylbenzene	11.94	105	315905	19.974	ug/l	100
82) p-Isopropyltoluene	12.07	119	280385	19.718	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	152964	19.378	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	156052	19.481	ug/l	100
85) n-Butylbenzene	12.39	91	251171	19.448	ug/l	100
86) Hexachloroethane	12.60	117	42798	18.272	ug/l	98
87) 1,2-Dichlorobenzene	12.39	146	153698	19.155	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	25048	18.793	ug/l	98
89) 1,2,4-Trichlorobenzene	13.65	180	115058	19.222	ug/l	100
90) Hexachlorobutadiene	13.79	225	59961	20.291	ug/l	99
91) Naphthalene	13.83	128	353709	19.004	ug/l	100
92) 1,2,3-Trichlorobenzene	14.02	180	116462	18.975	ug/l	98

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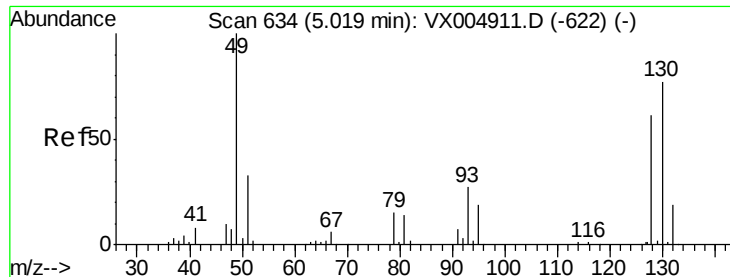
Manual Integrations
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QLast Update : Wed Oct 03 04:49:12 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

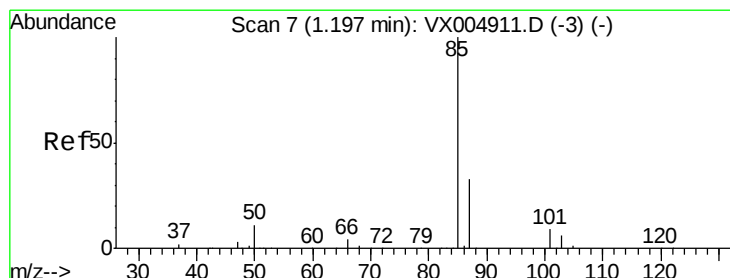
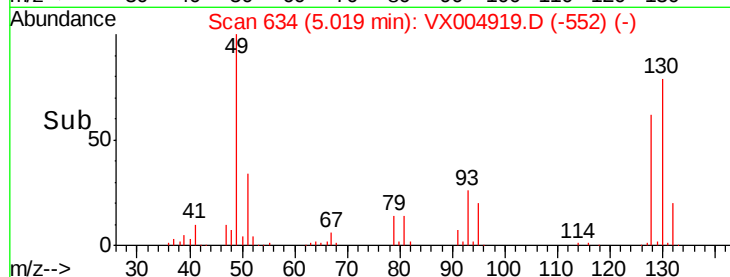
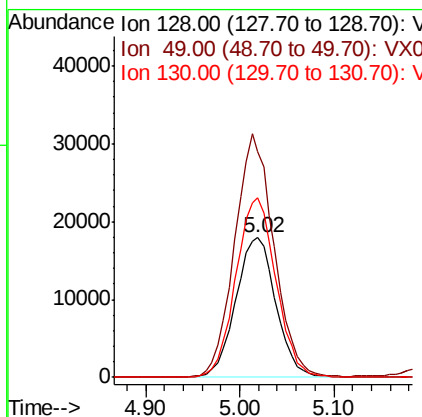
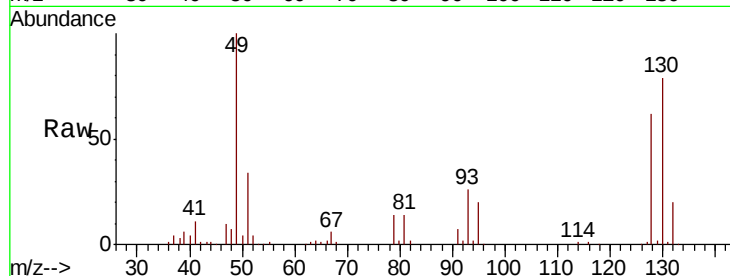
ClientSampleId :

VX1002WBSD01

Tot Ion:	128	Resp:	53304
Ion	Ratio	Lower	Upper
128	100		
49	170.8	0.0	429.5
130	128.8	0.0	325.8

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#2

Dichlorodifluoromethane

Concen: 20.770 ug/l

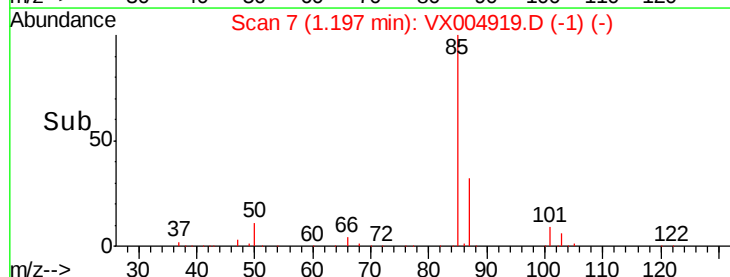
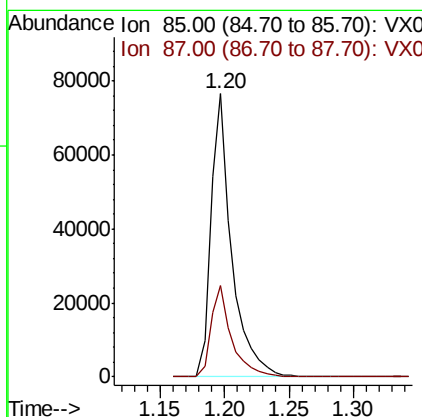
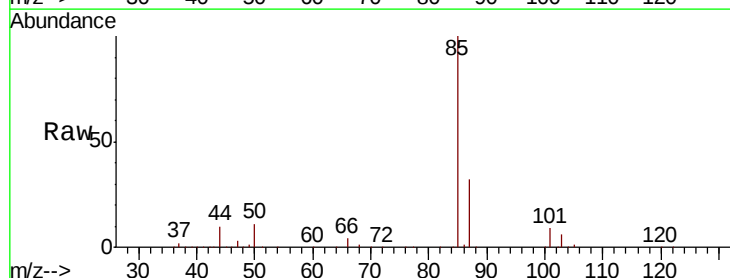
RT: 1.20 min Scan# 7

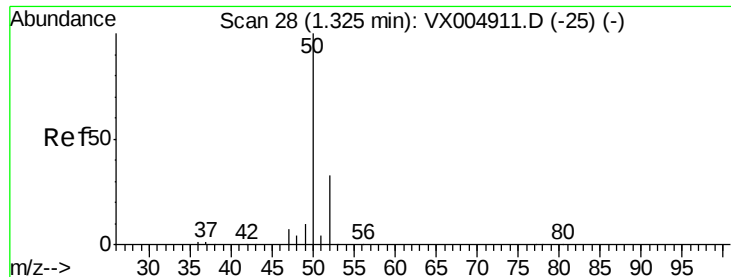
Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Tgt Ion:	85	Resp:	86198
Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.5	49.5





#3

Chloromethane

Concen: 20.698 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 50 Resp: 89122

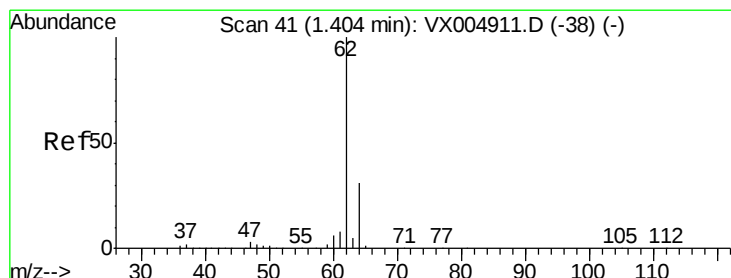
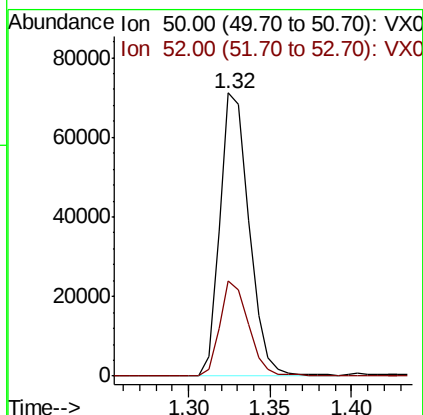
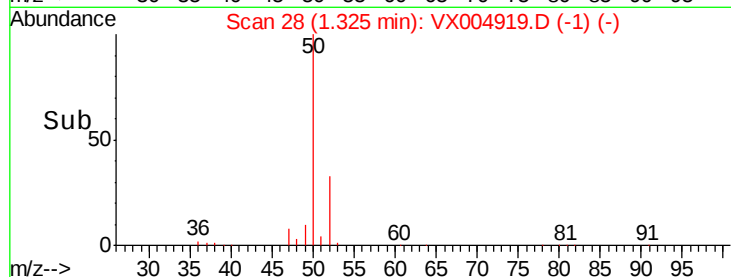
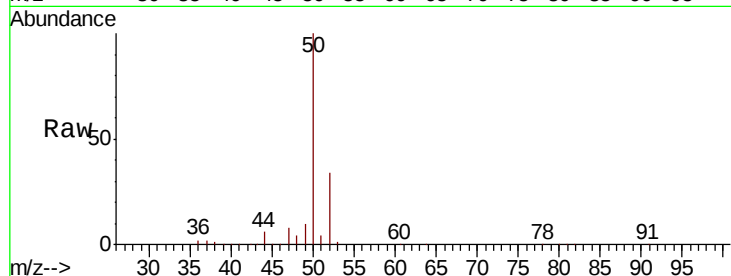
Ion Ratio Lower Upper

50 100

52 33.6 26.1 39.1

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#4

Vinyl Chloride

Concen: 19.687 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004919.D

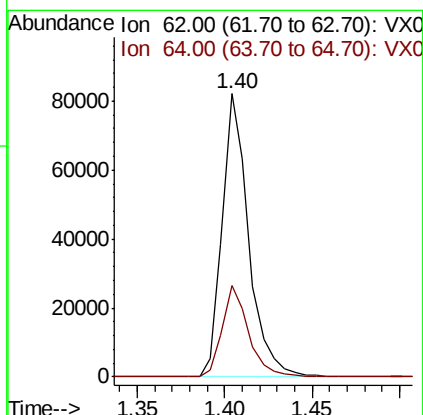
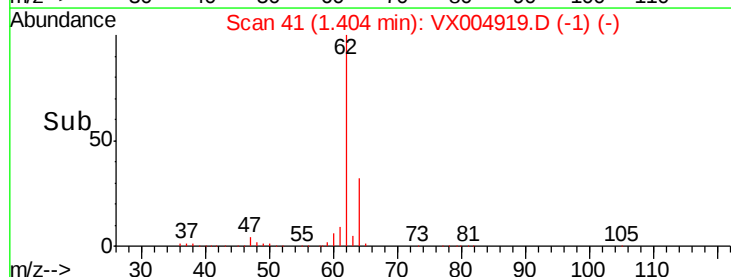
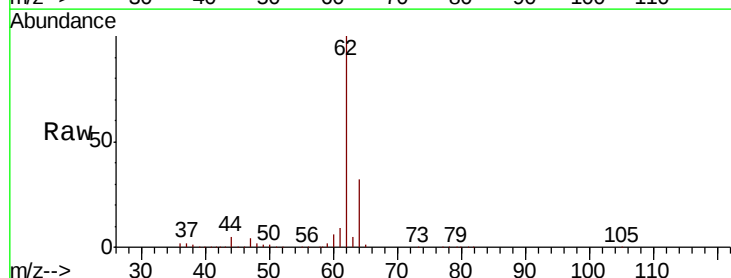
Acq: 02 Oct 2018 15:12

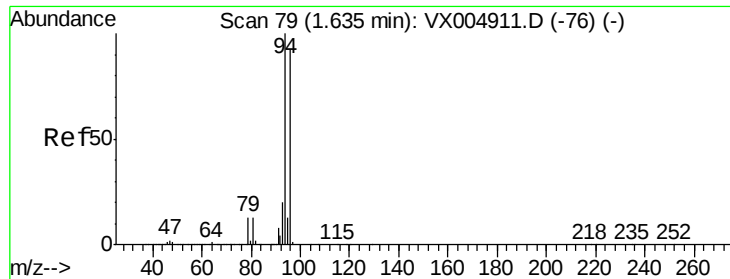
Tgt Ion: 62 Resp: 86660

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 21.364 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 94 Resp: 45126

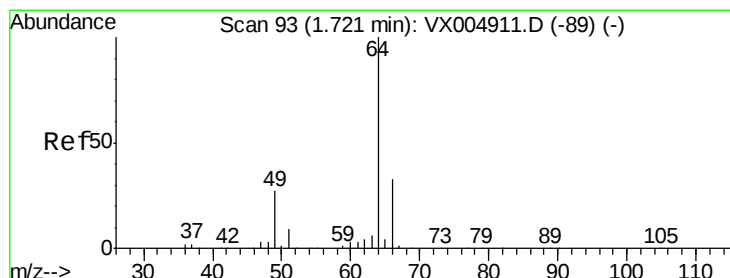
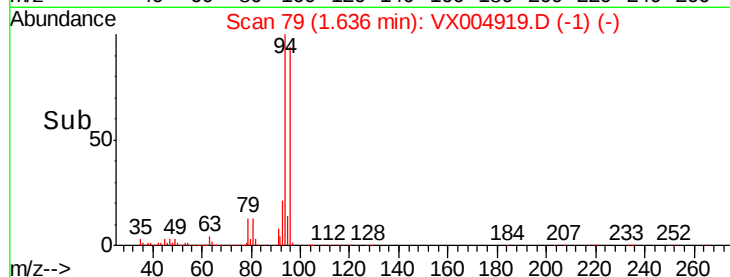
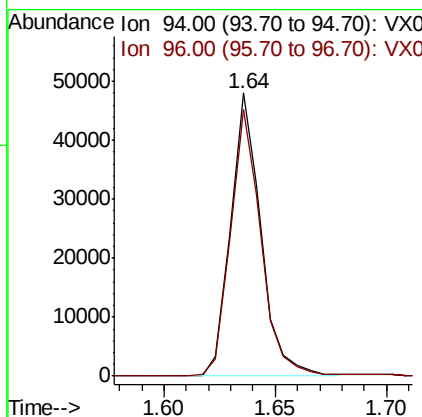
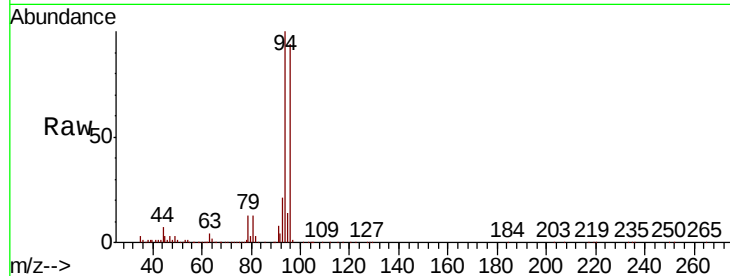
Ion Ratio Lower Upper

94 100

96 94.2 73.8 110.8

Manual Integrations
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#6

Chloroethane

Concen: 19.592 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX004919.D

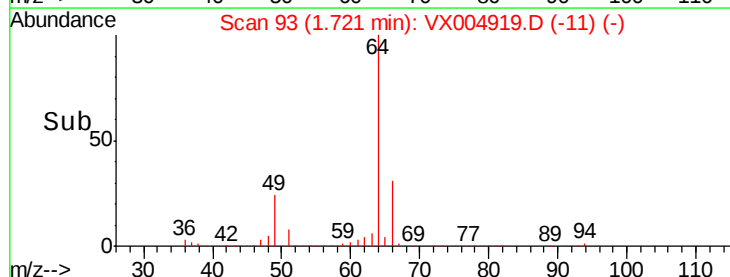
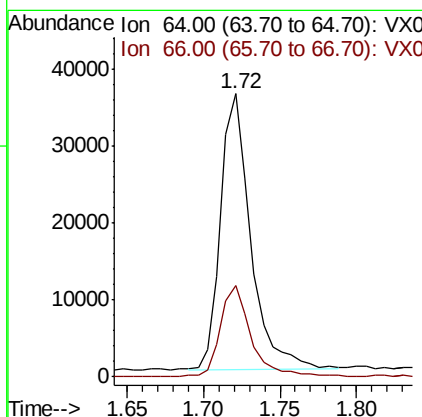
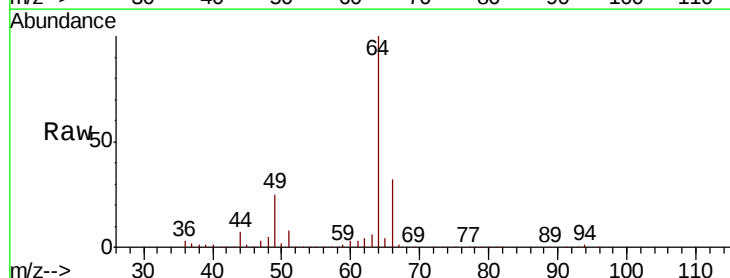
Acq: 02 Oct 2018 15:12

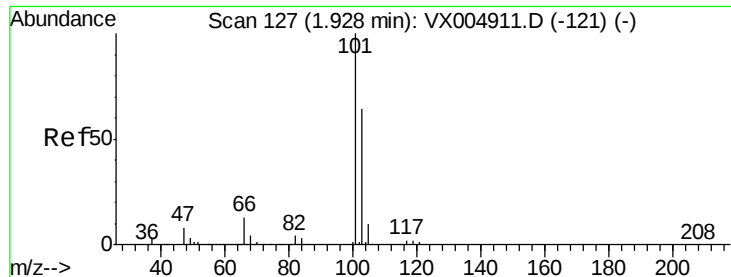
Tgt Ion: 64 Resp: 49513

Ion Ratio Lower Upper

64 100

66 32.6 26.0 39.0





#7

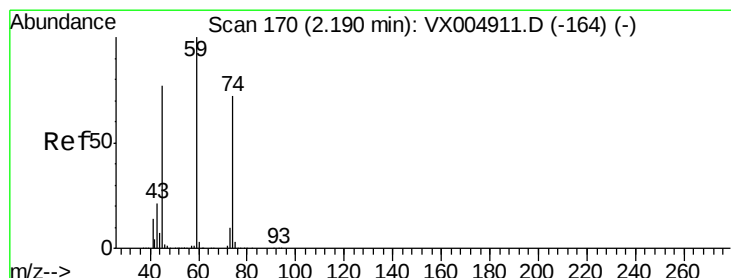
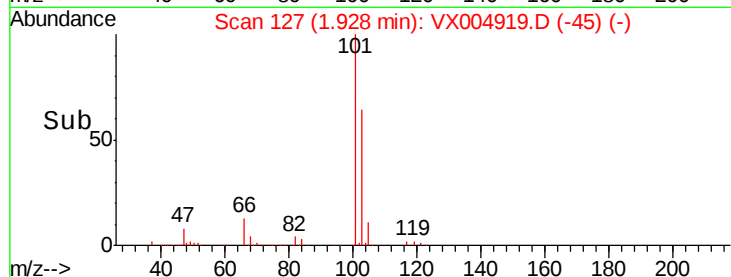
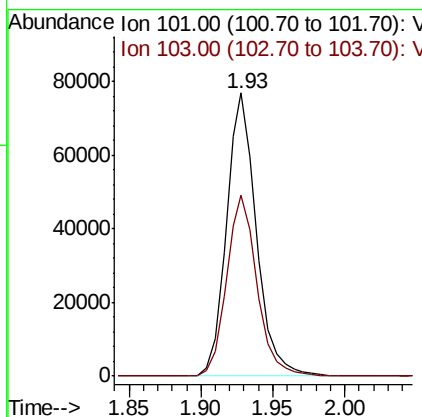
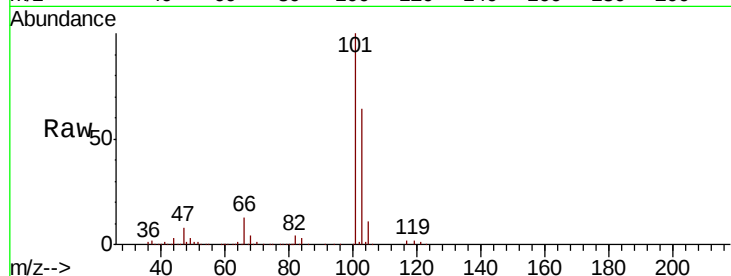
Trichlorofluoromethane
 Concen: 19.863 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

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 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.1	76.7

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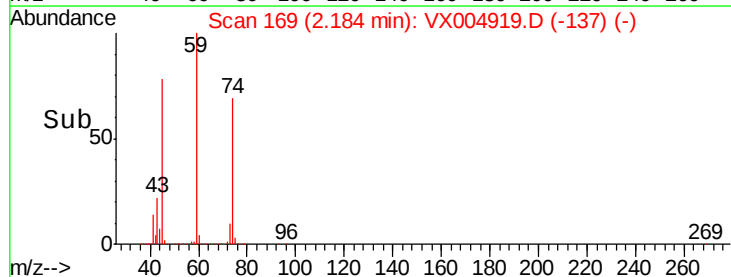
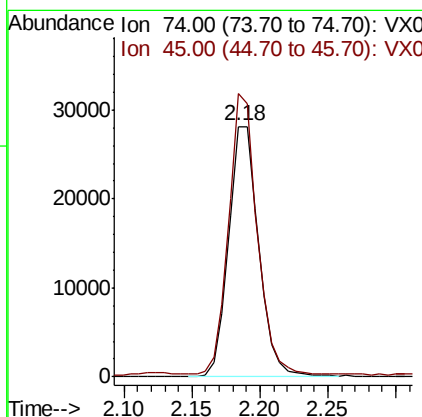
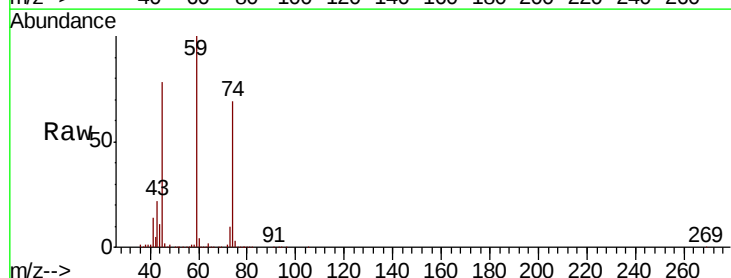
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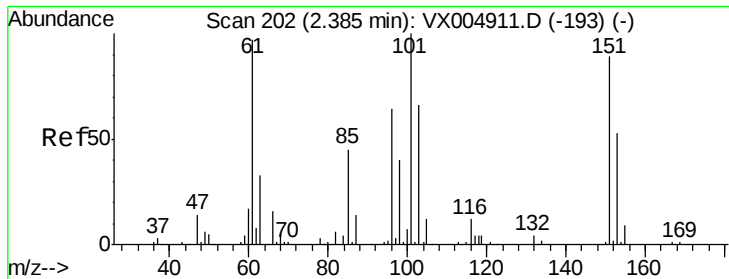


#8

Diethyl Ether
 Concen: 19.036 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	21.6	194.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.956 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

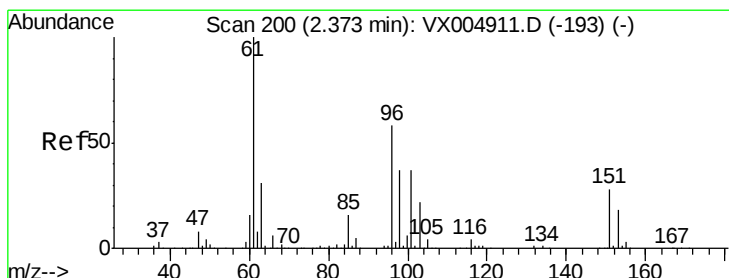
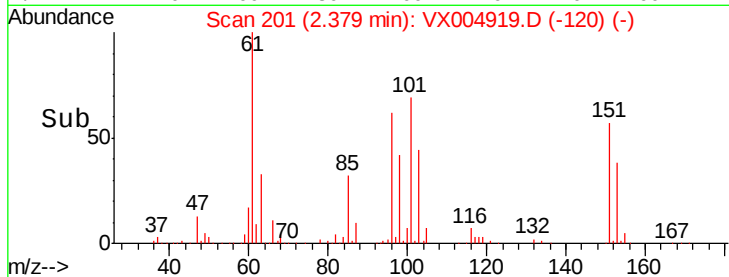
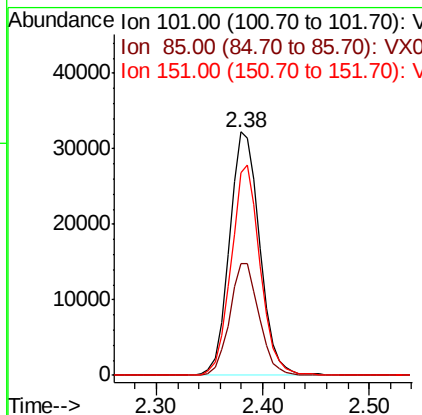
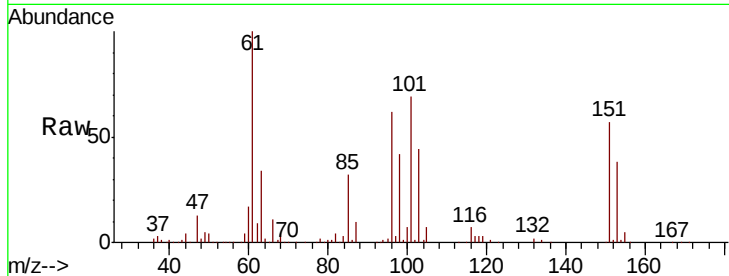
ClientSampleId :

VX1002WBSD01

Tot Ion:	101	Resp:	64261
Ion Ratio	Lower	Upper	
101	100		
85	44.8	0.0	88.0
151	82.9	0.0	164.8

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.120 ug/l

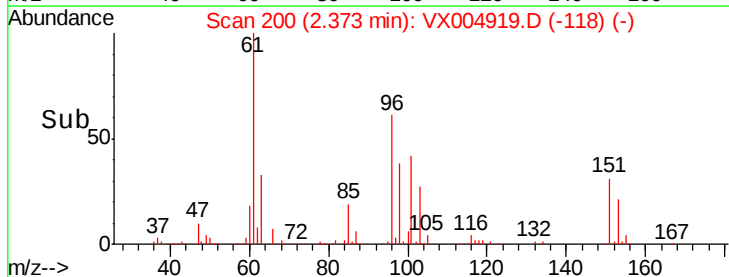
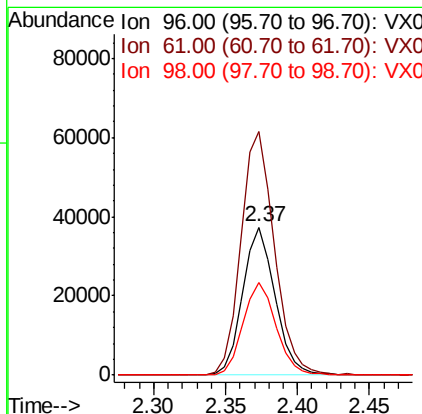
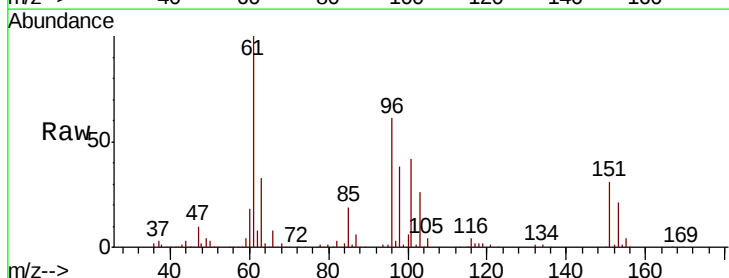
RT: 2.37 min Scan# 200

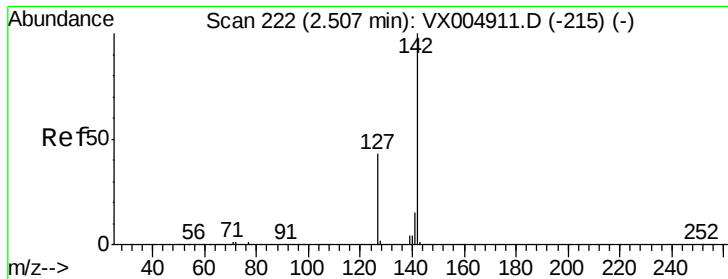
Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Tgt Ion:	96	Resp:	58319
Ion Ratio	Lower	Upper	
96	100		
61	164.6	137.9	206.9
98	62.8	51.0	76.4





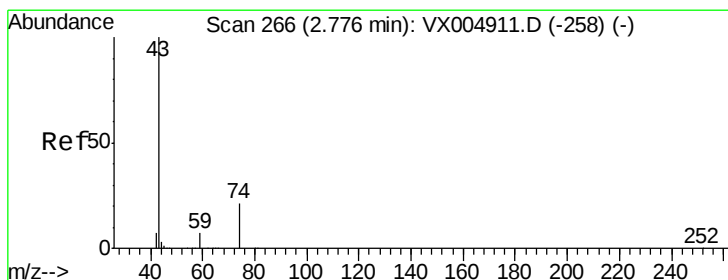
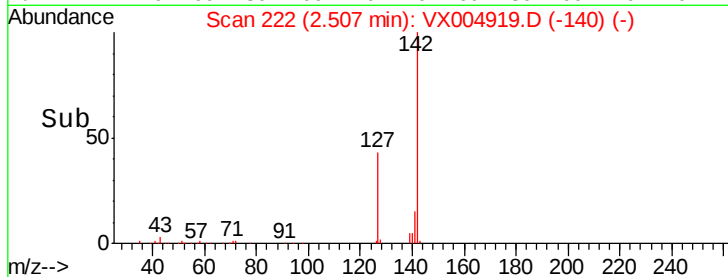
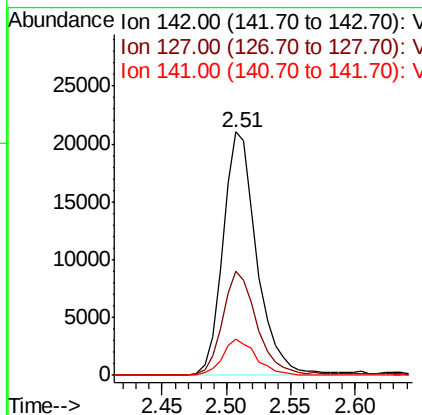
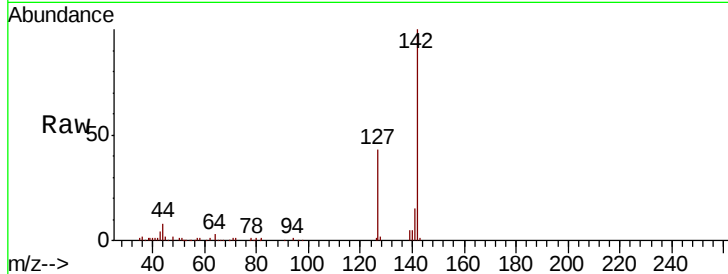
#11
Methvl Iodide
Concen: 20.957 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.5	21.6	64.8
141	14.8	7.5	22.6

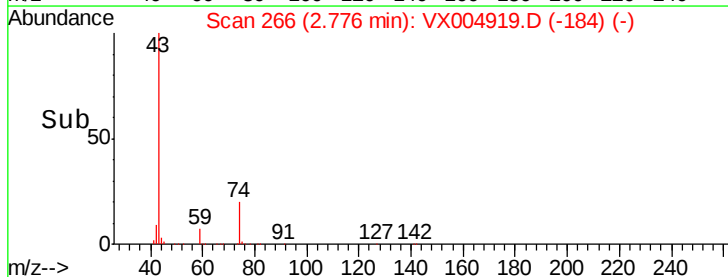
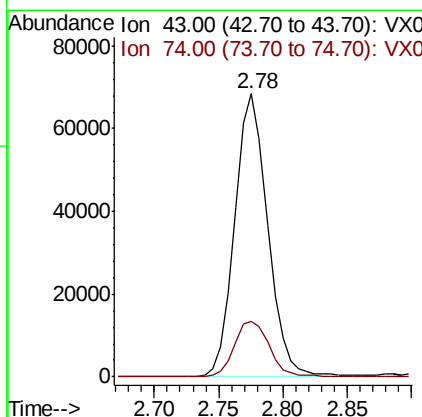
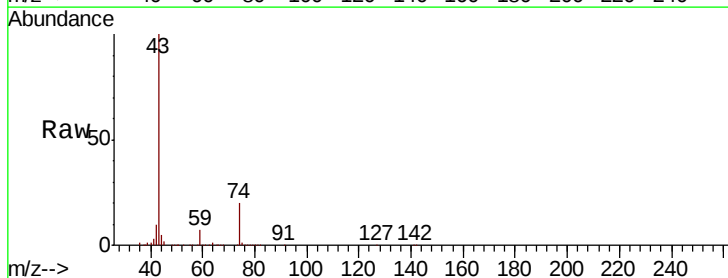
Manual Integrations
APPROVED

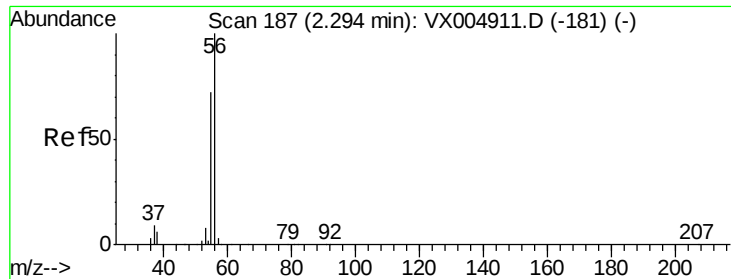
MMDadoda
10/3/2018 4:23:28 PM



#12
Methyl Acetate
Concen: 19.646 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	17.0	25.6





#13

Acrolein

Concen: 81.614 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 56 Resp: 46378

Ion Ratio Lower Upper

56 100

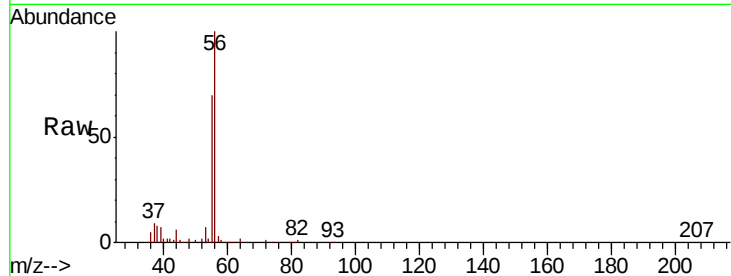
55 70.0 57.9 86.9

Manual Integrations

APPROVED

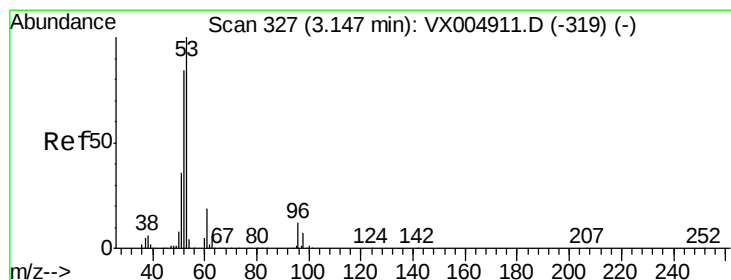
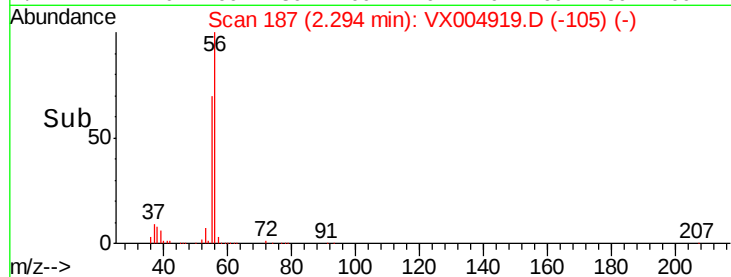
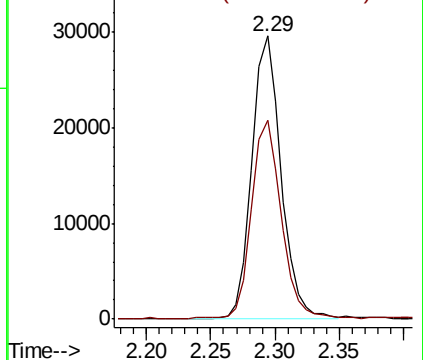
MMDadoda

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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: 94.679 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

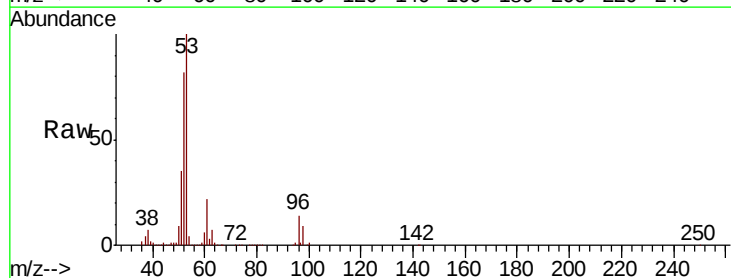
Tgt Ion: 53 Resp: 237969

Ion Ratio Lower Upper

53 100

52 83.4 41.5 124.6

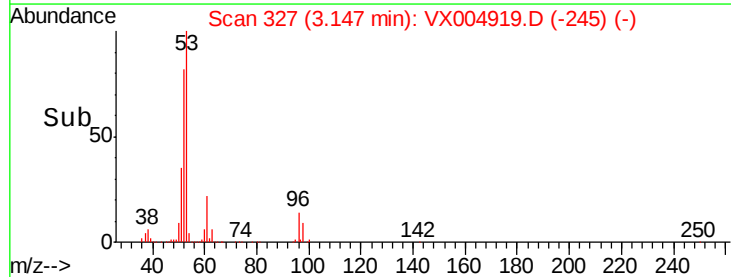
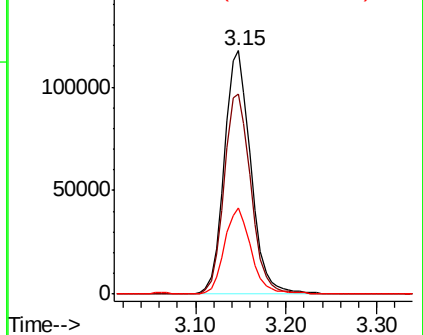
51 35.7 18.0 54.0

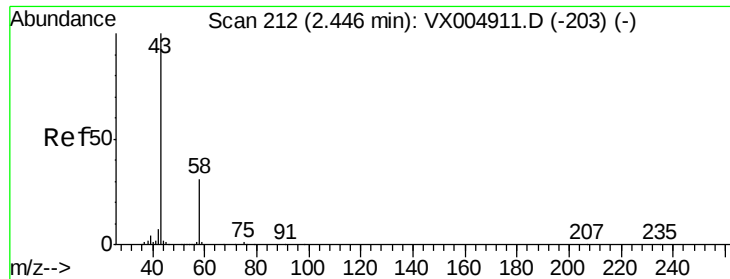


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#15

Acetone

Concen: 88.370 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 58 Resp: 74246

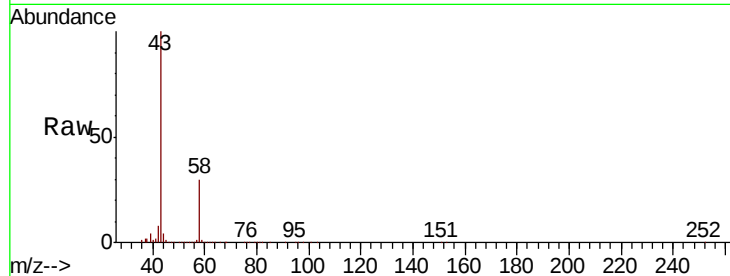
Ion Ratio Lower Upper

58 100

43 333.8 258.6 388.0

Manual Integrations
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Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

150000

100000

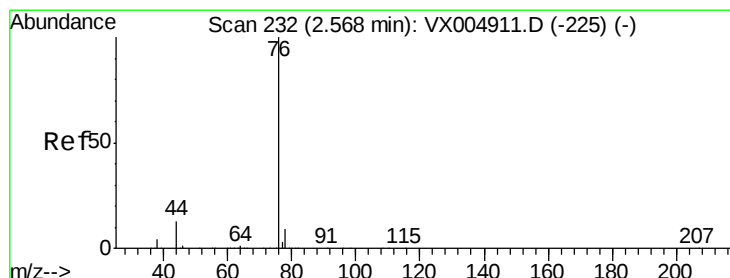
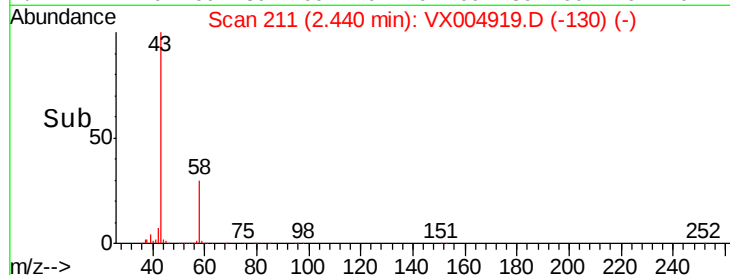
50000

0

2.44

2.40 2.45 2.50

Time-->



#16

Carbon Disulfide

Concen: 19.310 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004919.D

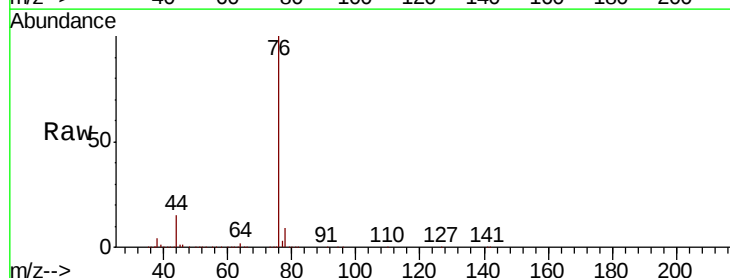
Acq: 02 Oct 2018 15:12

Tgt Ion: 76 Resp: 172747

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0

120000

100000

80000

60000

40000

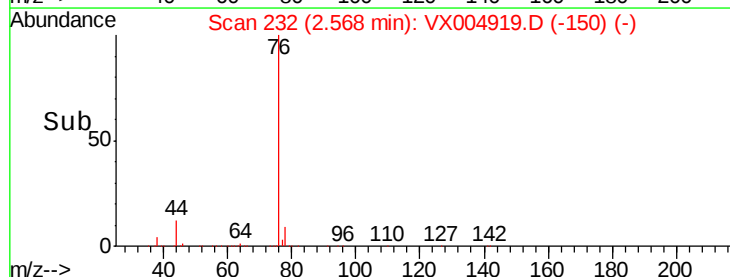
20000

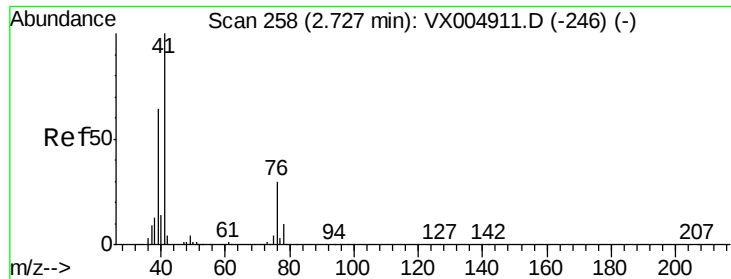
0

2.57

2.50 2.60 2.70

Time-->





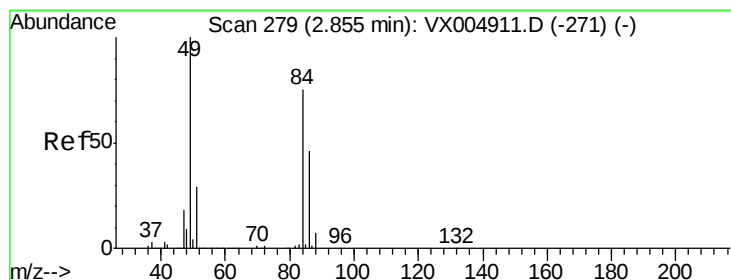
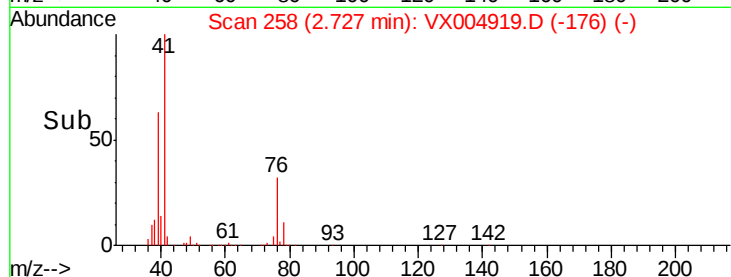
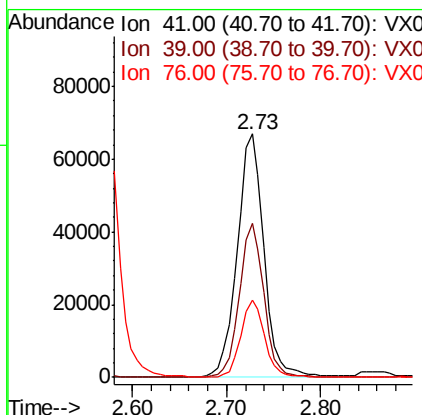
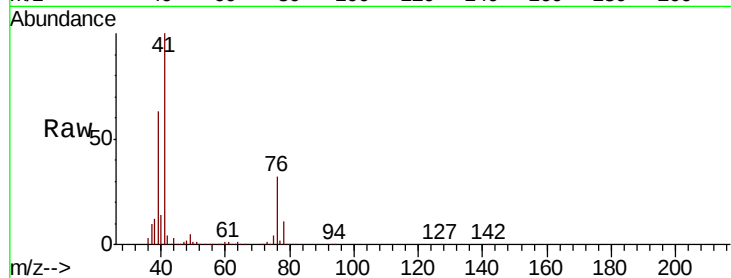
#17
Allvl chloride
Concen: 19.397 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.1	31.8	95.4
76	31.4	15.3	45.8

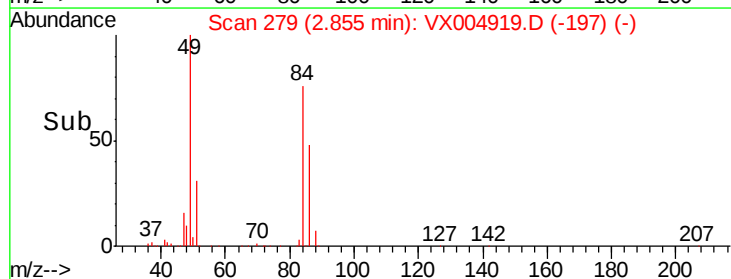
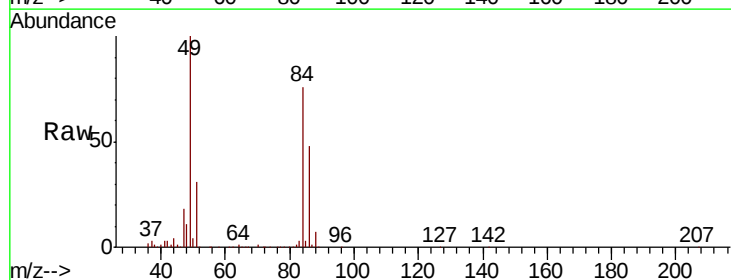
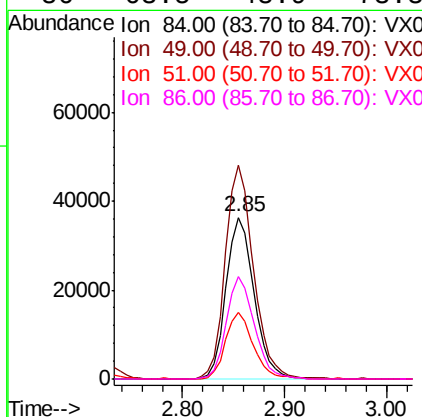
Manual Integrations
APPROVED

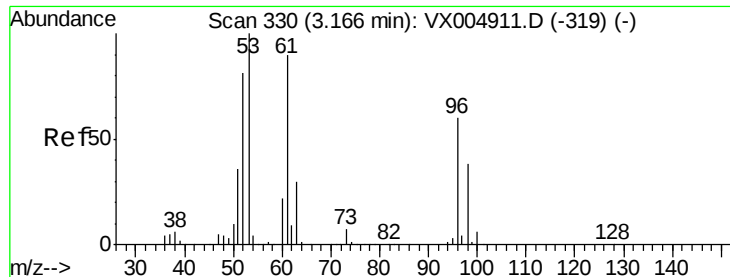
MMDadoda
10/3/2018 4:23:28 PM



#18
Methylene Chloride
Concen: 19.561 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.1	106.2	159.4
51	40.8	31.3	46.9
86	63.5	48.9	73.3





#19

trans-1,2-Dichloroethene

Concen: 19.317 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

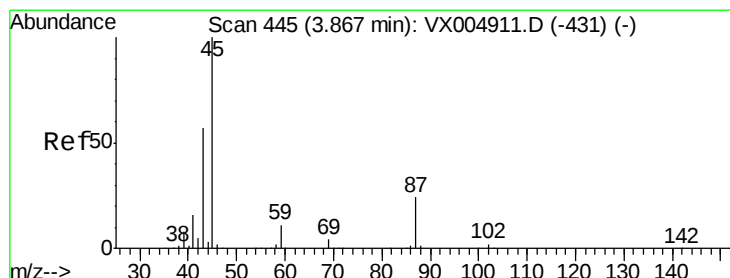
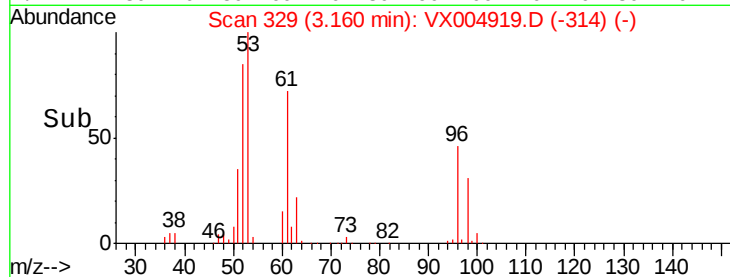
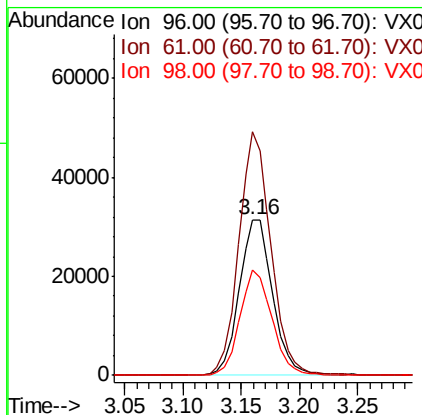
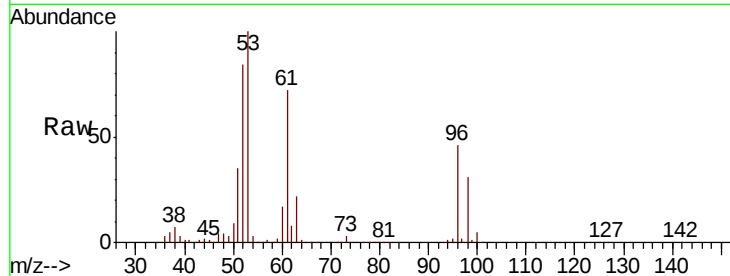
ClientSampleId :

VX1002WBSD01

Tot Ion:	96	Resp:	62947
Ion	Ratio	Lower	Upper
96	100		
61	156.2	119.5	179.3
98	67.6	50.6	75.8

Manual Integrations
APPROVED

MMDadoda
10/3/2018 4:23:28 PM



#20

Diisopropyl ether

Concen: 20.131 ug/l

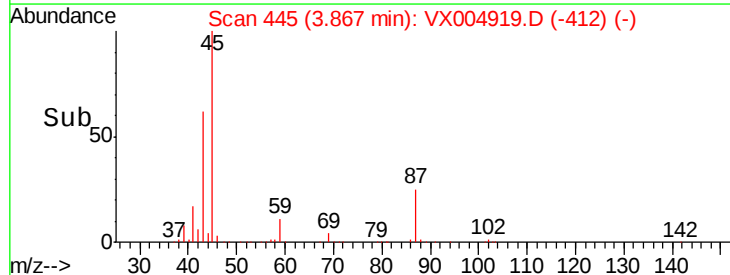
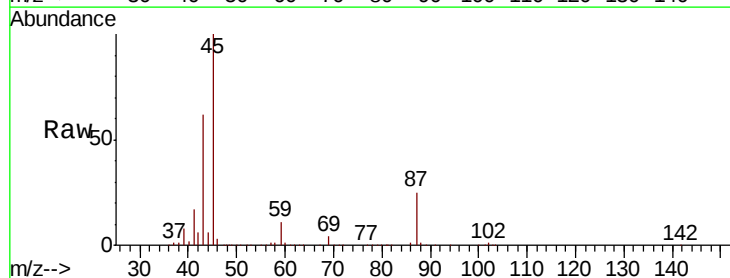
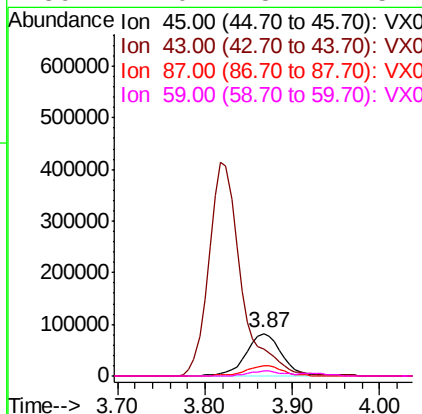
RT: 3.87 min Scan# 445

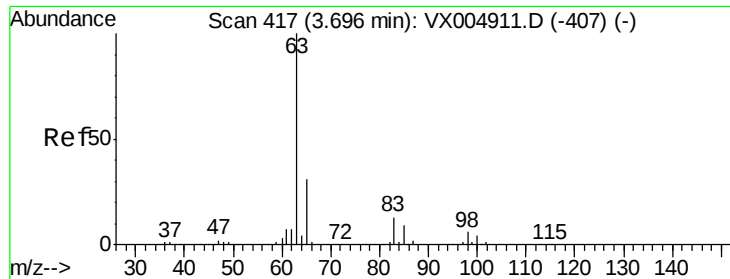
Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Tgt Ion:	45	Resp:	232801
Ion	Ratio	Lower	Upper
45	100		
43	60.1	49.8	74.8
87	25.3	19.1	28.7
59	11.0	8.7	13.1





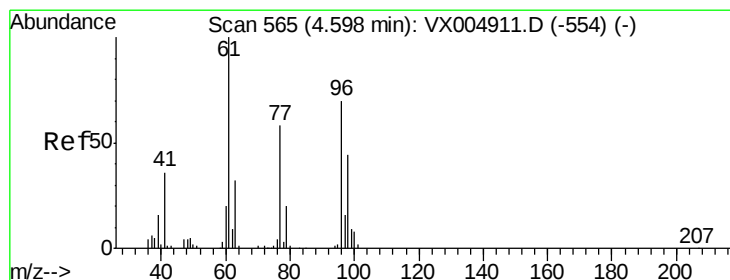
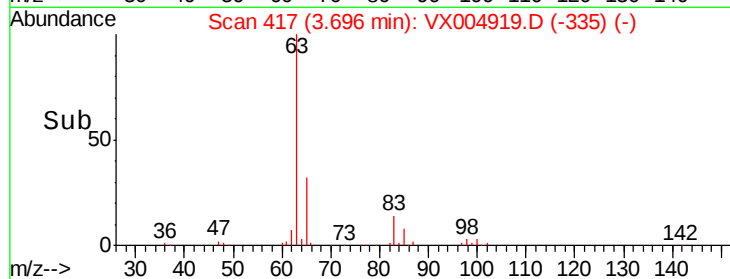
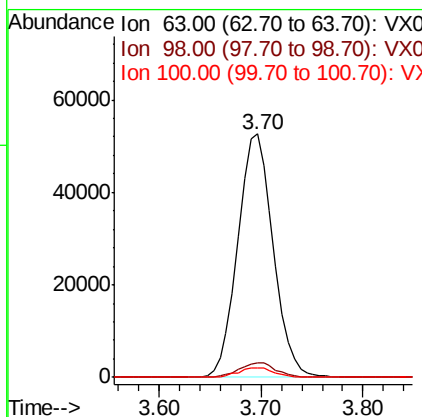
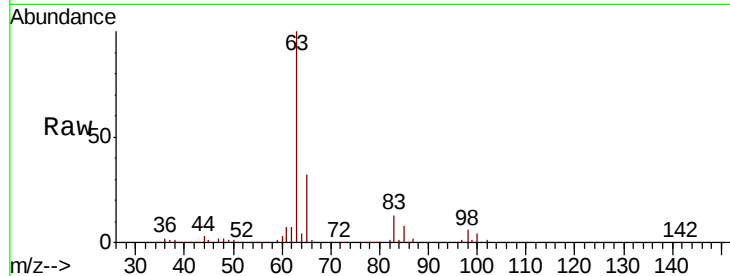
#21
 1,1-Dichloroethane
 Concen: 19.915 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX1002WBSD01

Tot Ion:	63	Resp:	126894
Ion Ratio	Lower	Upper	
63	100		
98	5.9	3.2	9.6
100	3.7	2.1	6.5

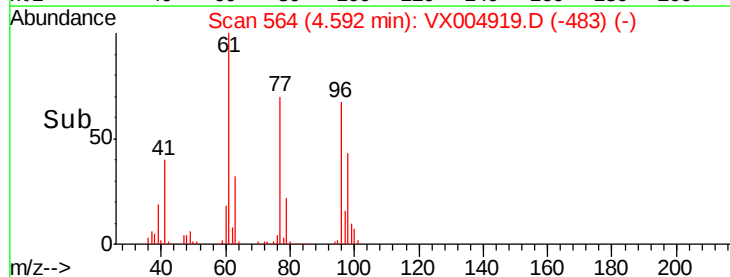
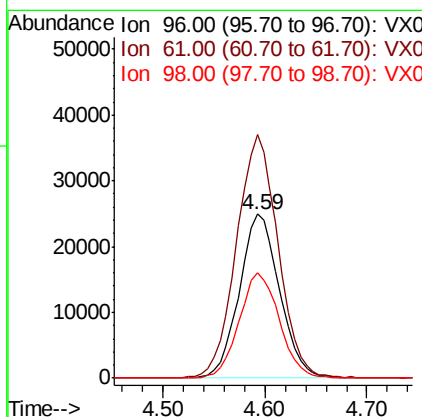
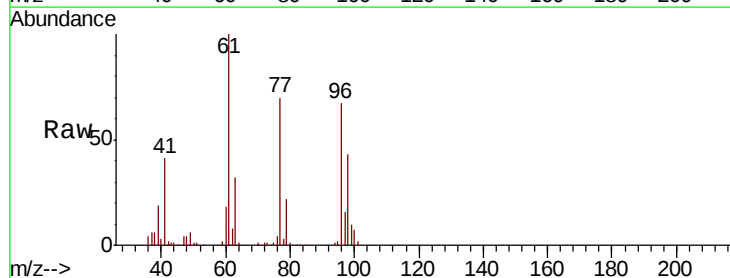
Manual Integrations
 APPROVED

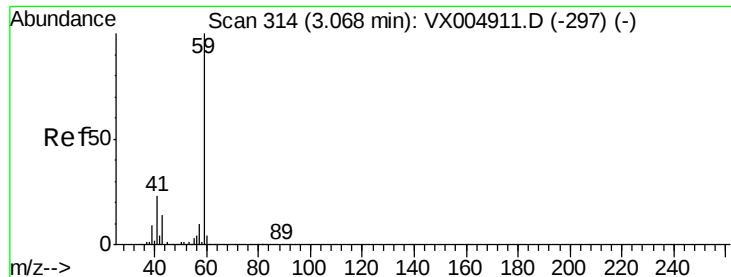
MMDadoda
 10/3/2018 4:23:28 PM



#22
 cis-1,2-Dichloroethene
 Concen: 18.929 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion:	96	Resp:	68233
Ion Ratio	Lower	Upper	
96	100		
61	153.3	123.3	184.9
98	64.1	51.4	77.0





#23

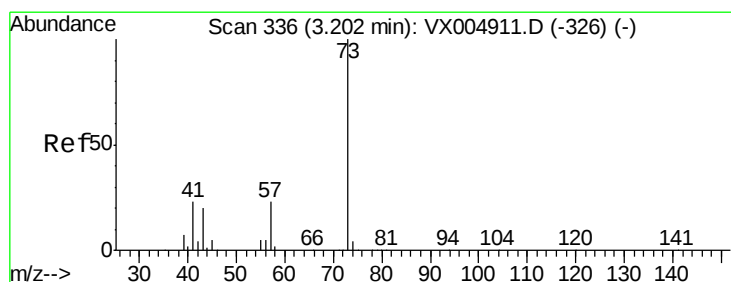
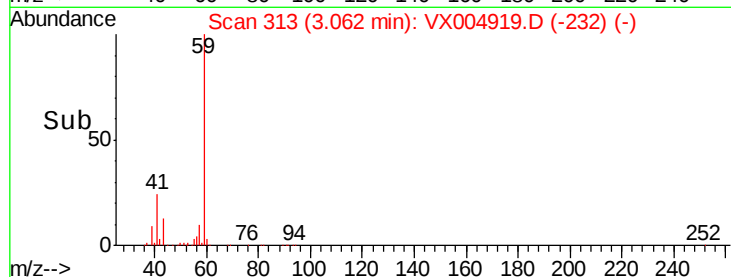
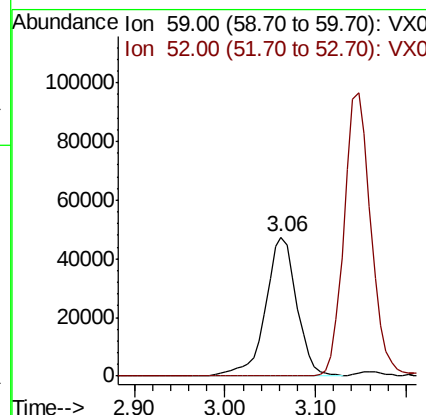
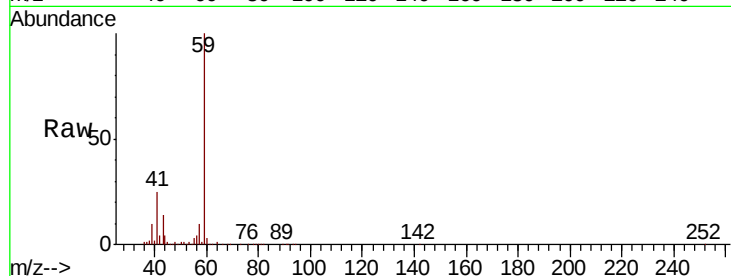
tert-Butyl Alcohol
 Concen: 97.602 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.4	0.1	0.1#

Manual Integrations
 APPROVED

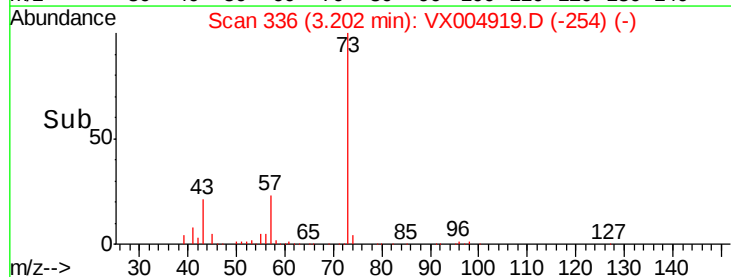
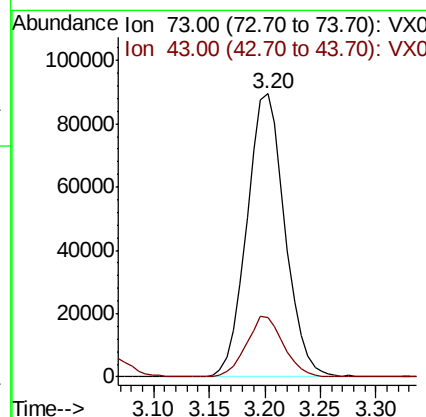
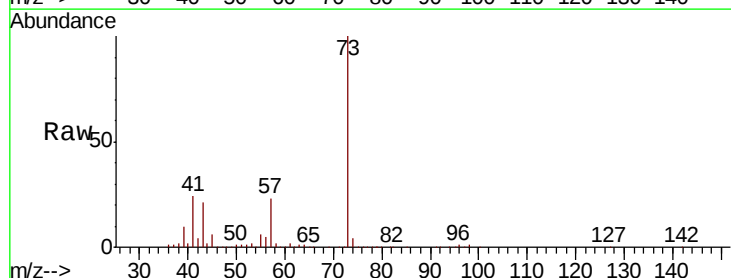
MMDadoda
 10/3/2018 4:23:28 PM

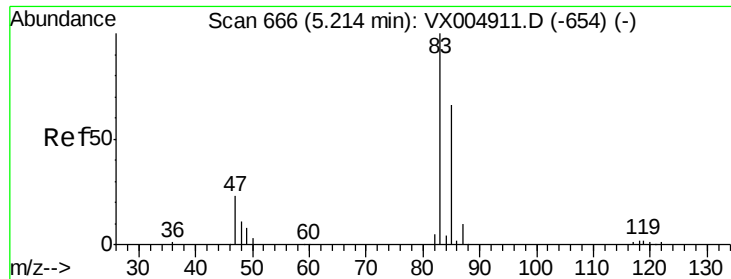


#24

Methyl tert-Butyl Ether
 Concen: 18.991 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.4	16.3	24.5





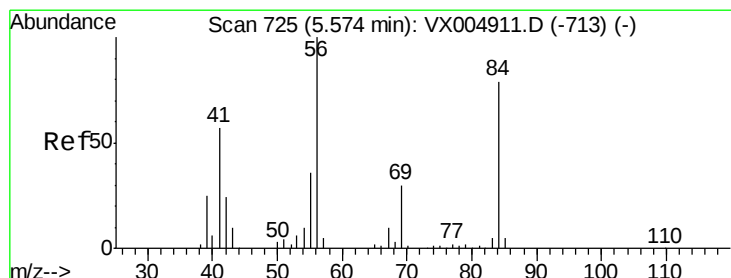
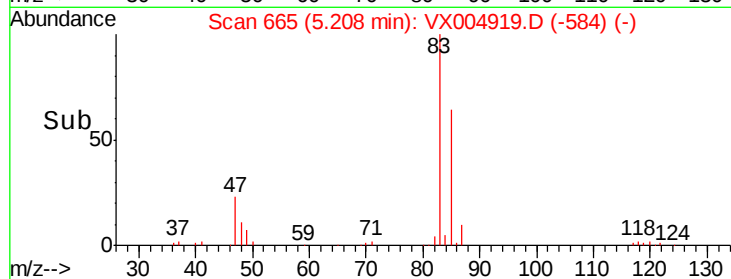
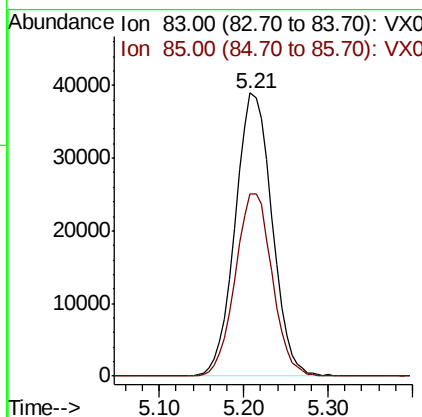
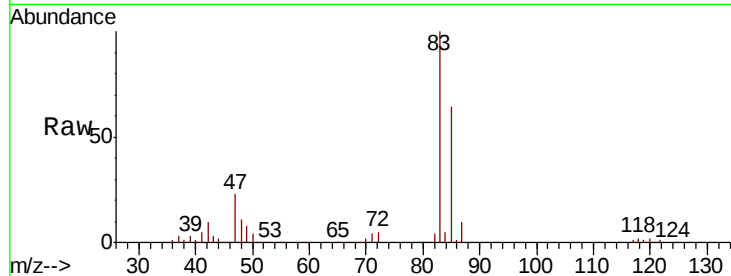
#25
Chloroform
Concen: 19.244 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion: 83 Resp: 115403
Ion Ratio Lower Upper
83 100
85 64.1 53.1 79.7

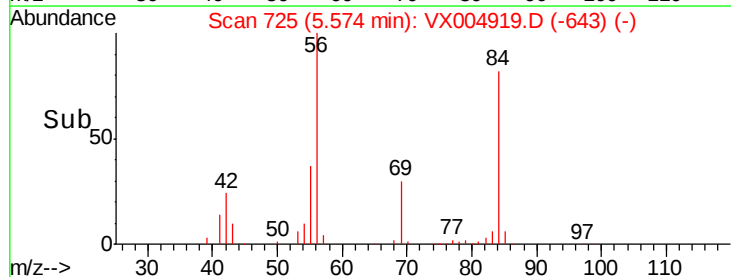
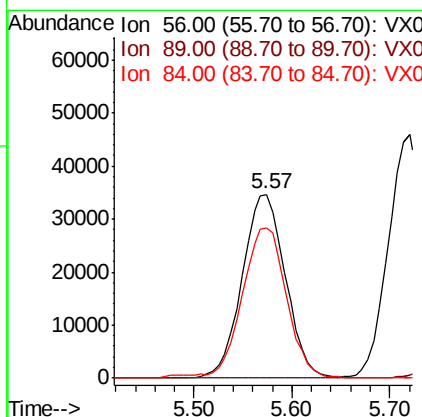
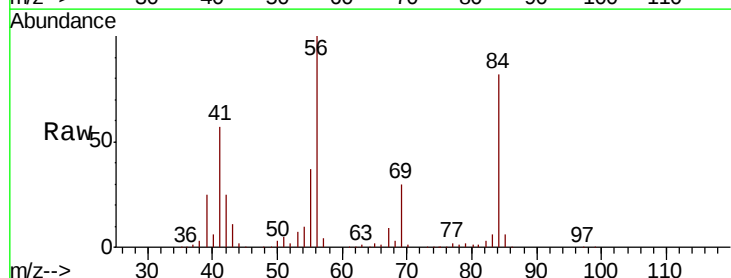
Manual Integrations
APPROVED

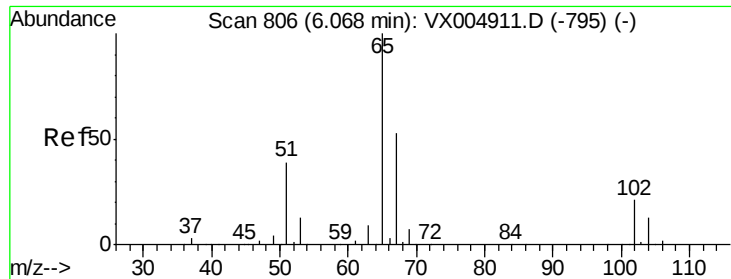
MMDadoda
10/3/2018 4:23:28 PM



#26
Cyclohexane
Concen: 19.302 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion: 56 Resp: 105546
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.0 65.8 98.6





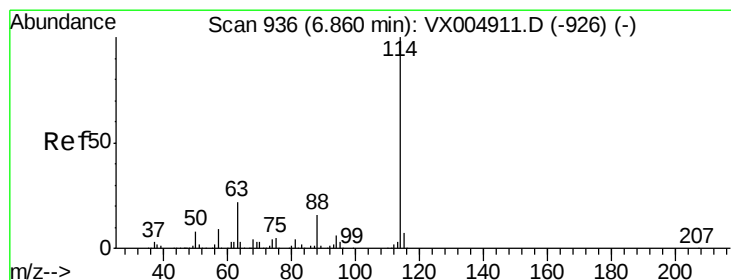
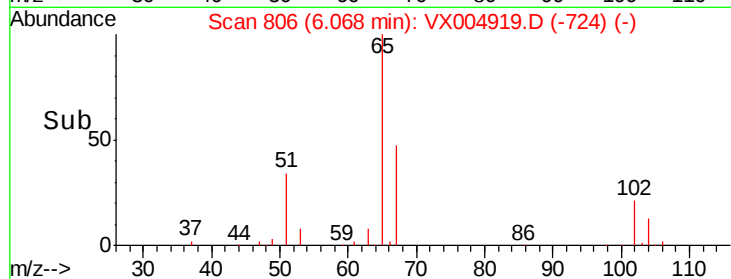
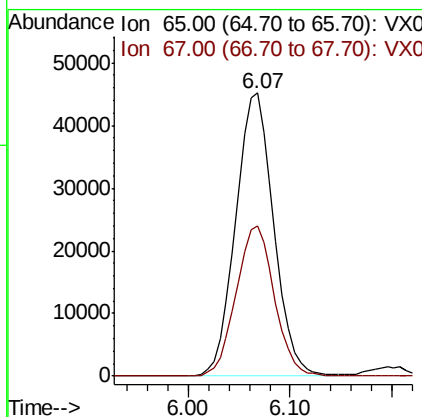
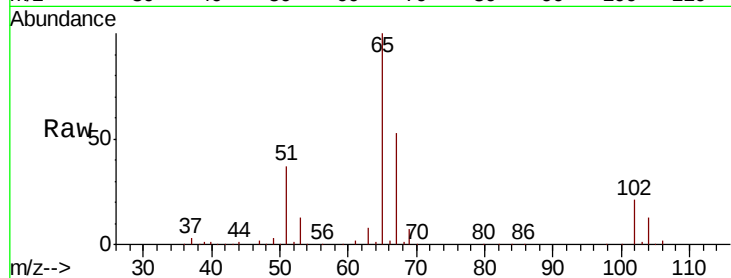
#27
 1,2-Dichloroethane-d4
 Concen: 28.847 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	43.0	64.6

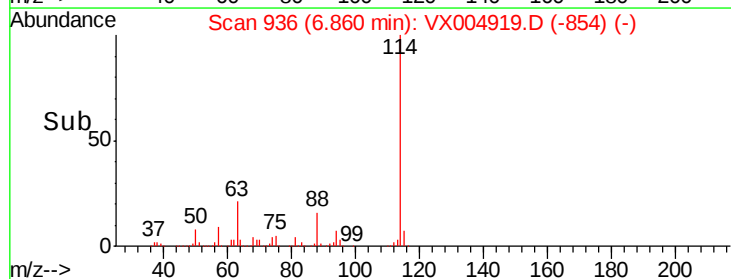
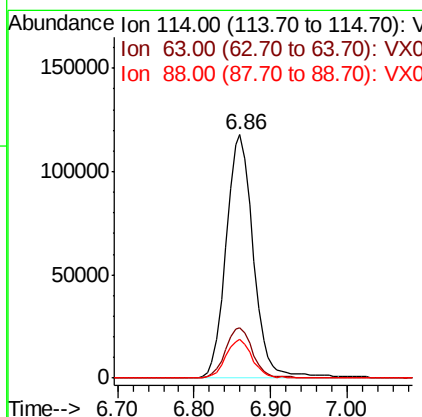
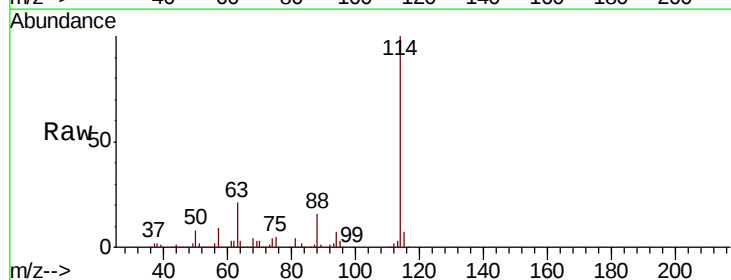
Manual Integrations
 APPROVED

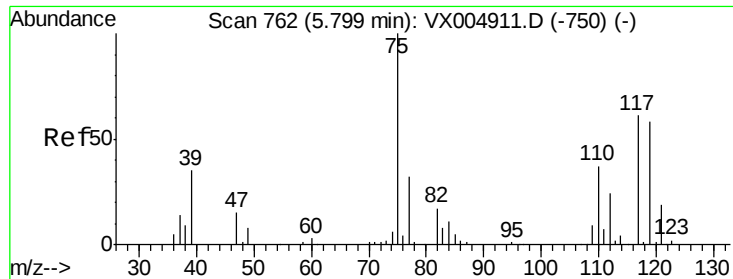
MMDadoda
 10/3/2018 4:23:28 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.6	24.8
88	15.1	12.4	18.6





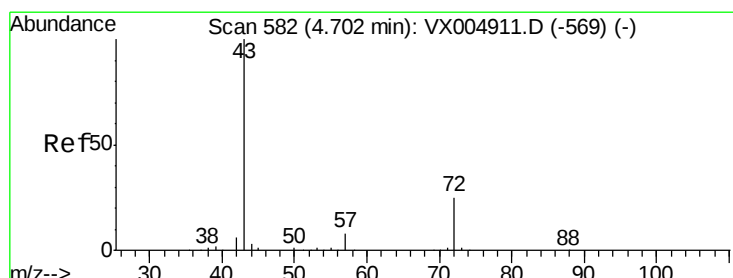
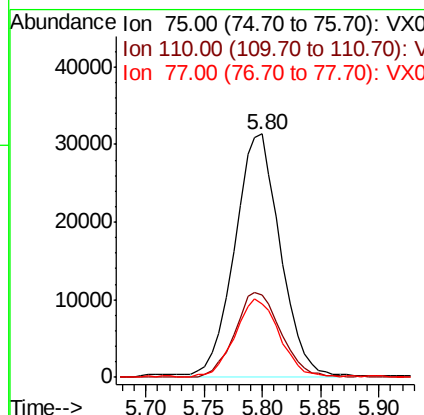
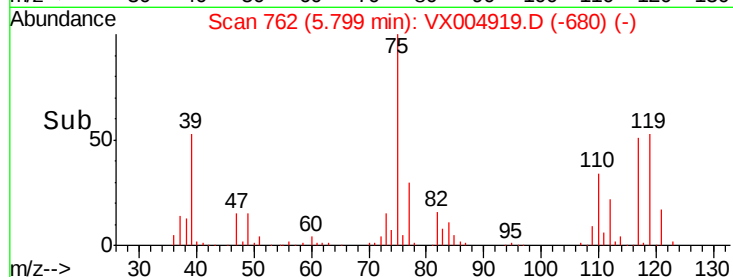
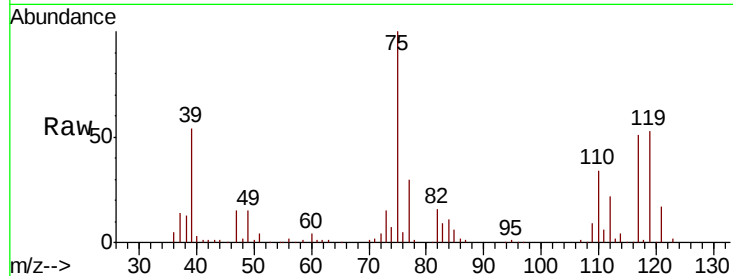
#29
 1,1-Dichloropropene
 Concen: 19.861 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.3	0.0	70.8
77	30.8	0.0	63.0

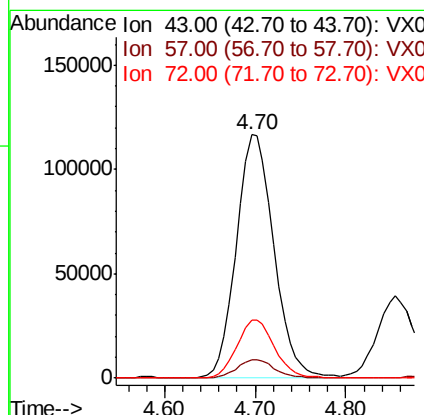
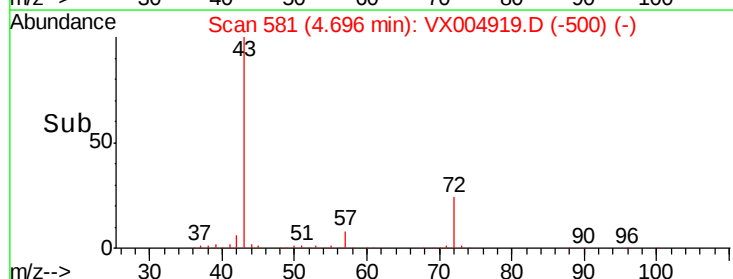
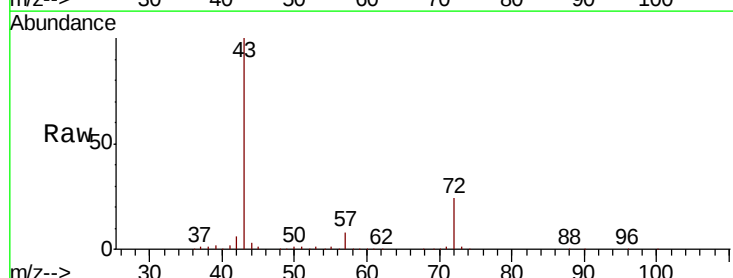
Manual Integrations
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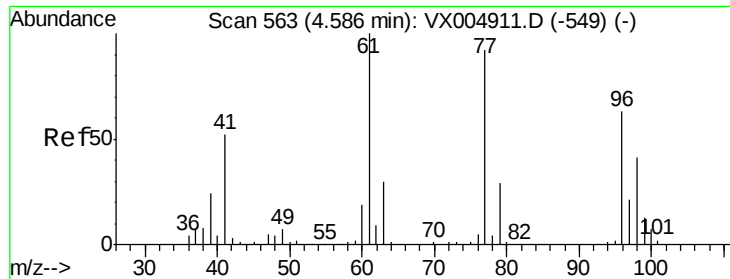
MMDadoda
 10/3/2018 4:23:28 PM



#30
 2-Butanone
 Concen: 95.438 ug/l
 RT: 4.70 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.2	9.4
72	24.1	19.7	29.5





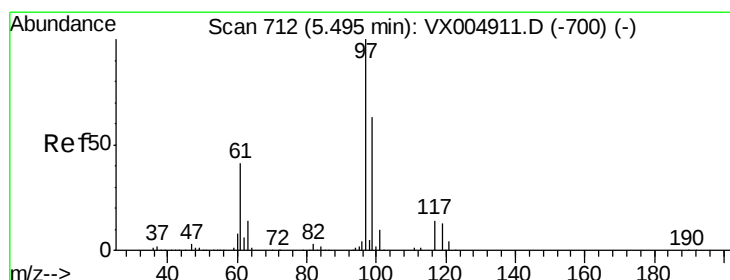
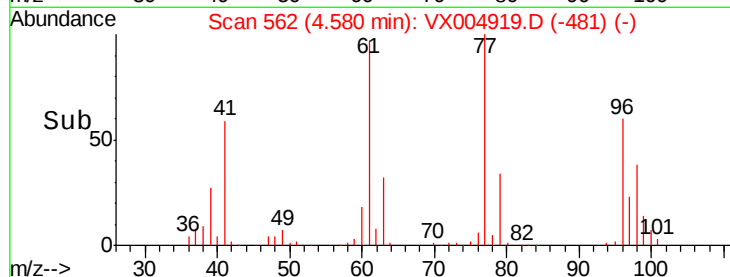
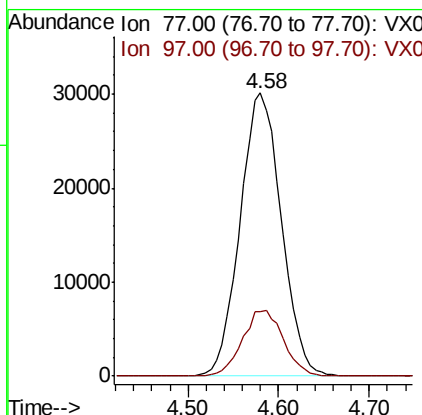
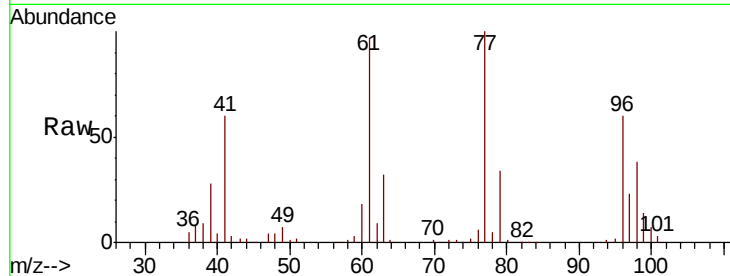
#31
 2,2-Dichloropropane
 Concen: 20.064 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion: 77 Resp: 94896
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.5 27.7

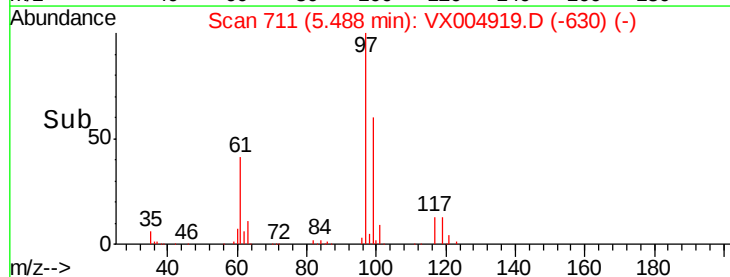
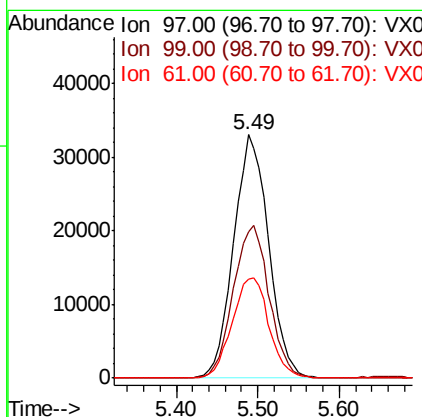
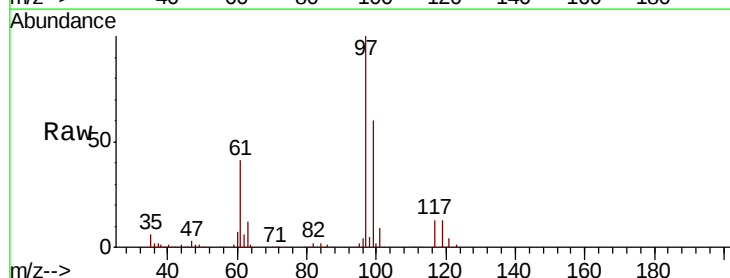
Manual Integrations
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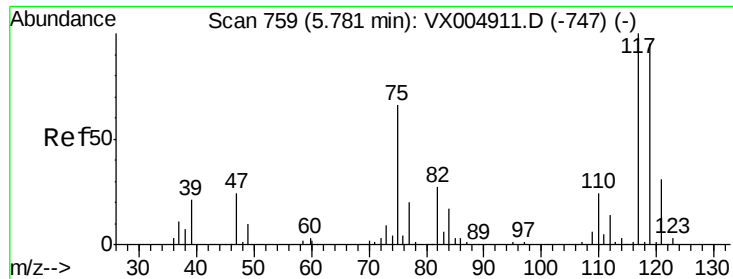
MMDadoda
 10/3/2018 4:23:28 PM



#32
 1,1,1-Trichloroethane
 Concen: 19.831 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion: 97 Resp: 98270
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.0 76.6
 61 43.4 35.8 53.6





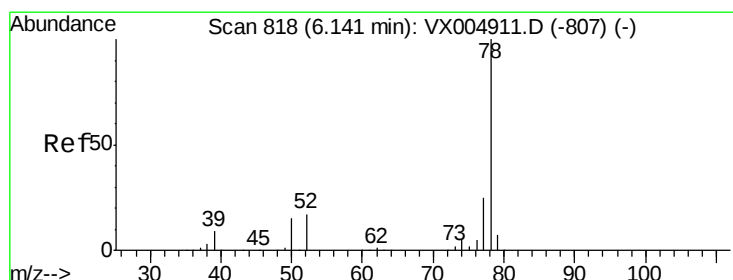
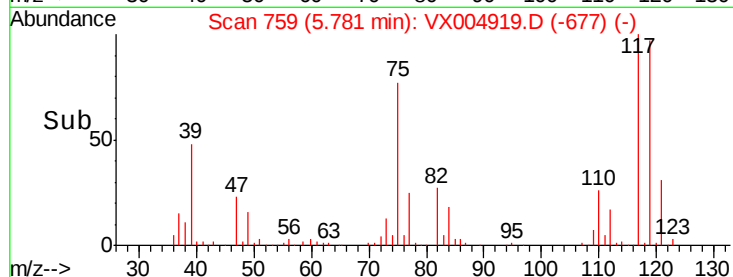
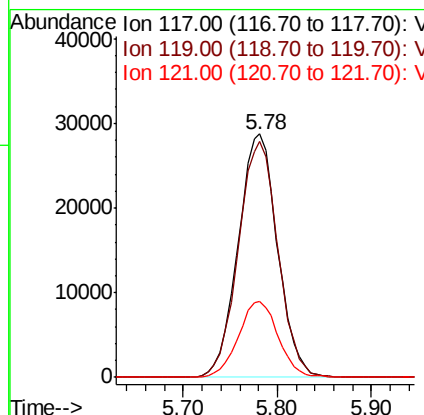
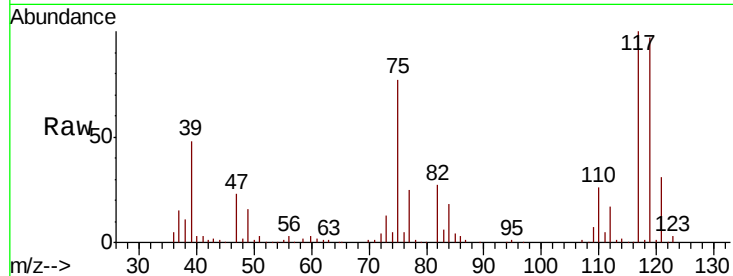
#33
Carbon Tetrachloride
Concen: 19.294 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.2	114.4
121	31.3	25.2	37.8

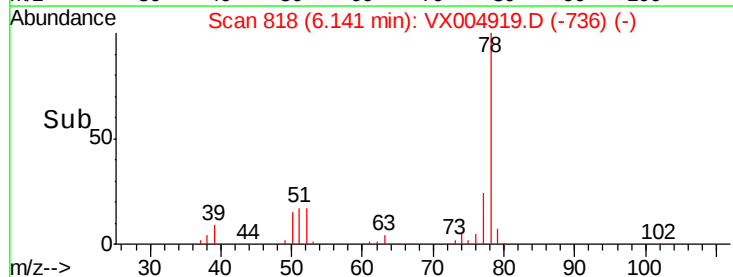
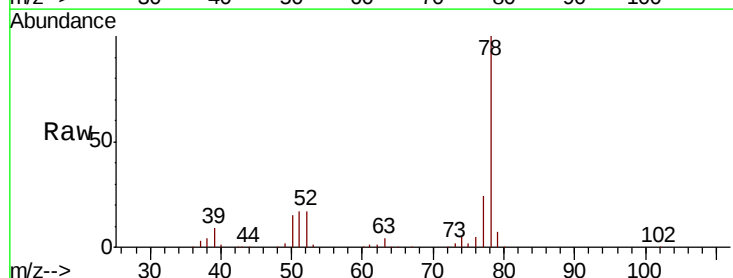
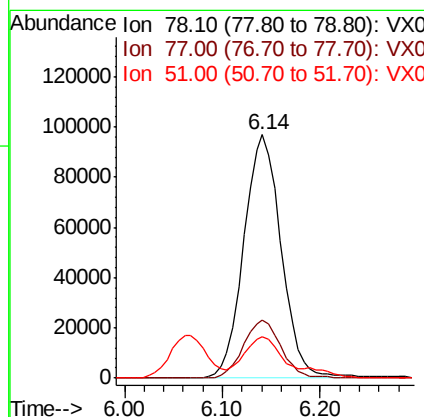
Manual Integrations
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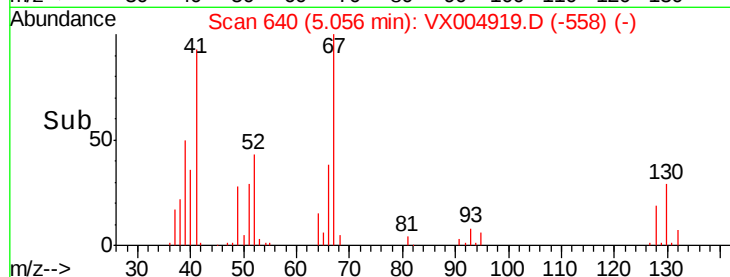
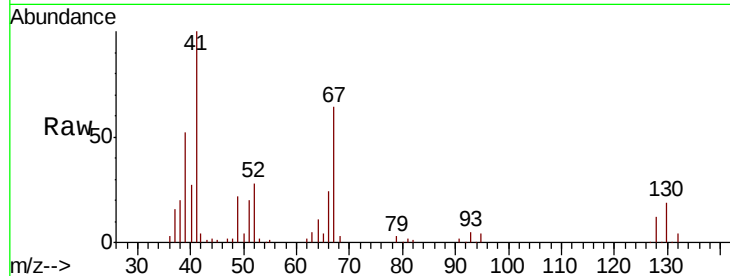
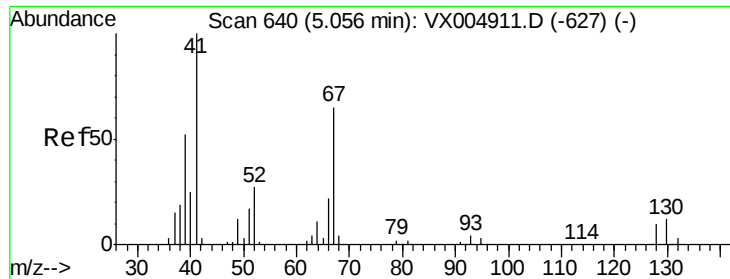
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#34
Benzene
Concen: 19.572 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.8	29.8
51	15.4	13.8	20.6





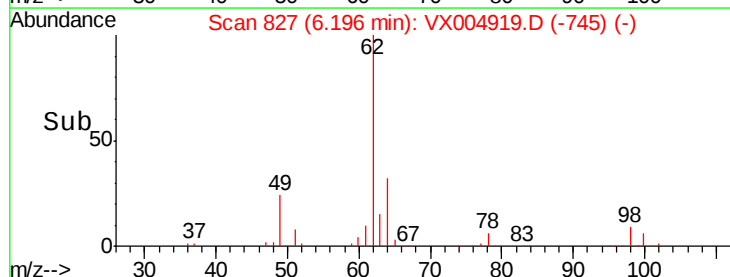
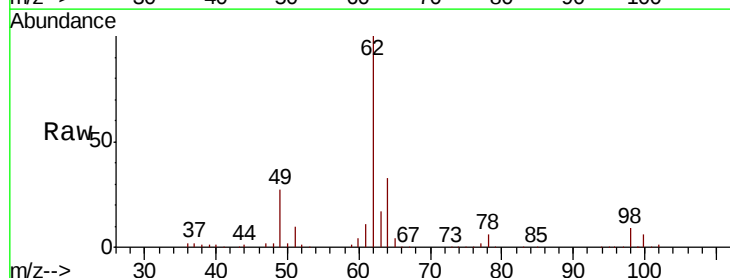
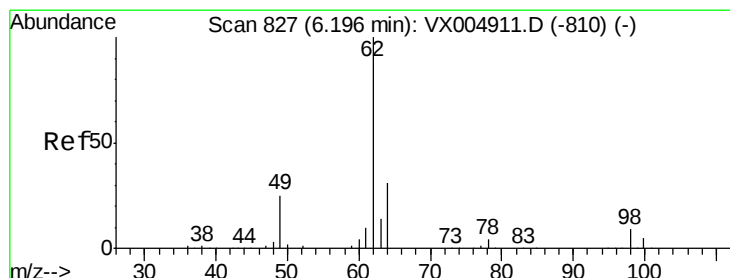
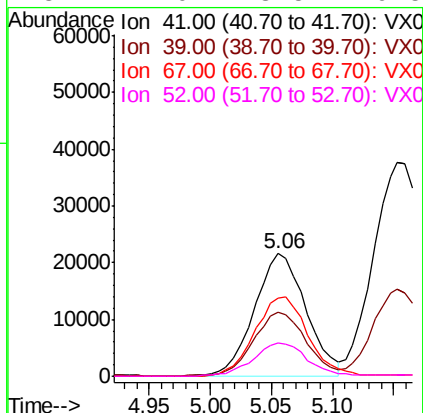
#35
Methacrylonitrile
Concen: 19.530 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.7	26.1	78.3
67	63.8	32.3	96.9
52	27.0	13.5	40.5

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

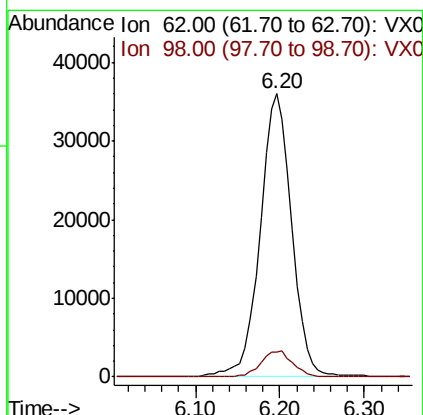
Manual Integrations
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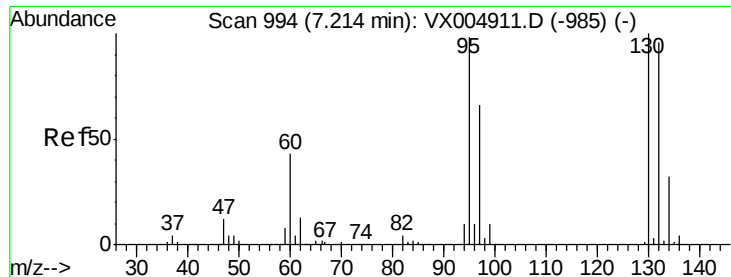
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.700 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.5	11.3





#37

Trichloroethene

Concen: 20.069 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampled :

VX1002WBSD01

Tot Ion:130 Resp: 69152

Ion Ratio Lower Upper

130 100

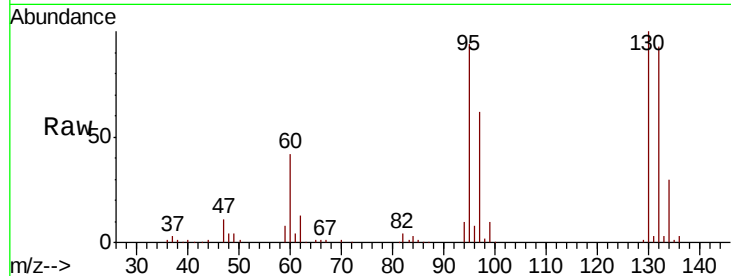
95 94.3 78.5 117.7

Manual Integrations

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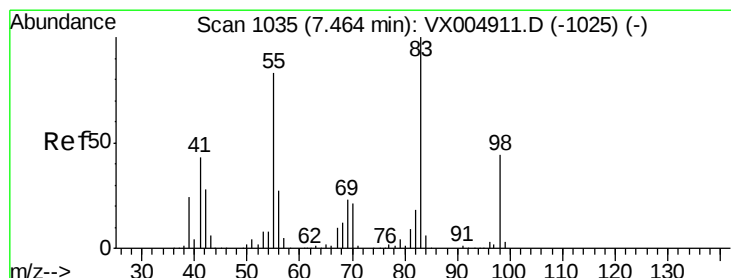
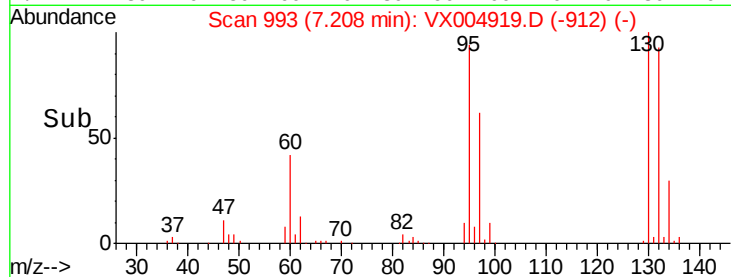
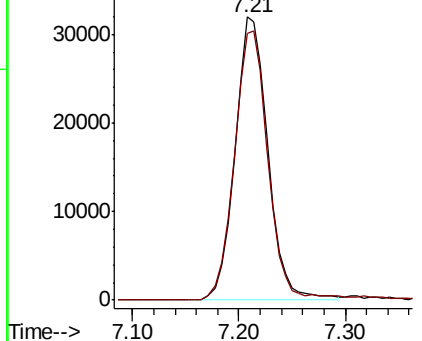
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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#38

Methylcyclohexane

Concen: 19.649 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

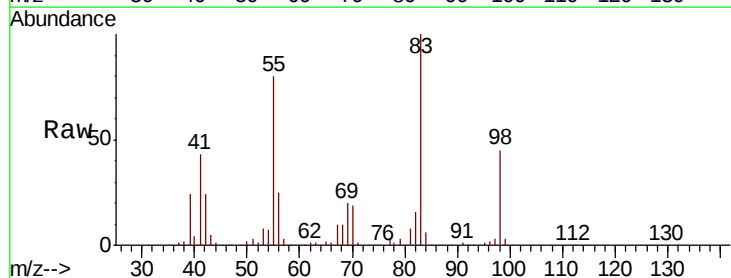
Tgt Ion: 83 Resp: 100566

Ion Ratio Lower Upper

83 100

55 83.1 41.8 125.3

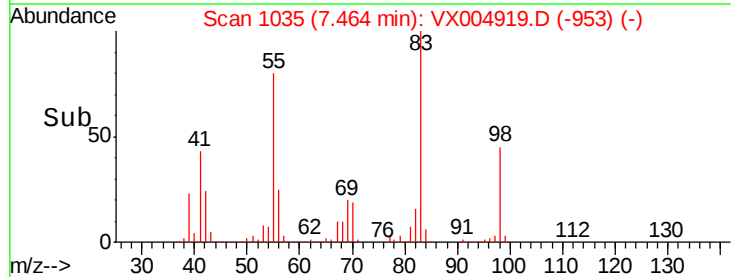
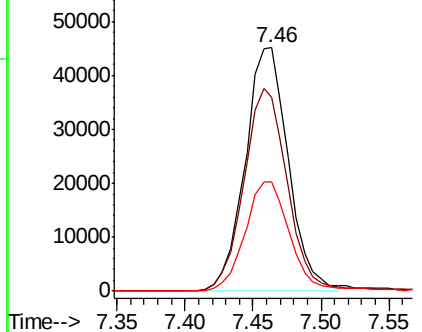
98 46.1 22.4 67.3

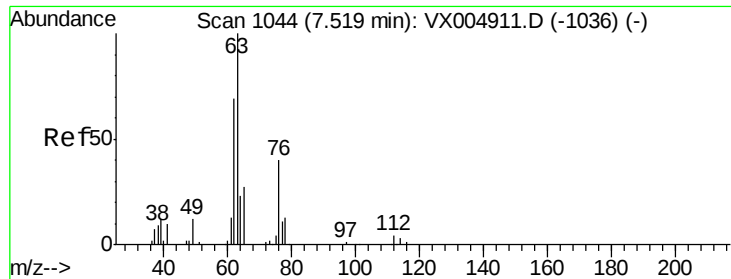


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





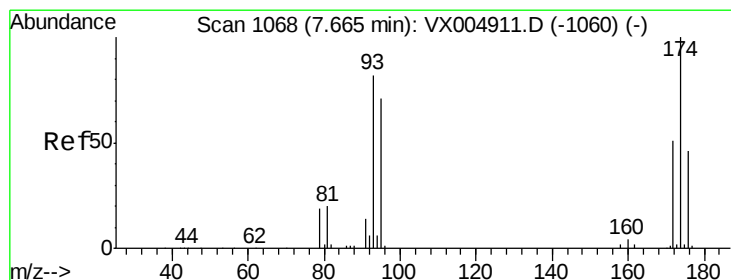
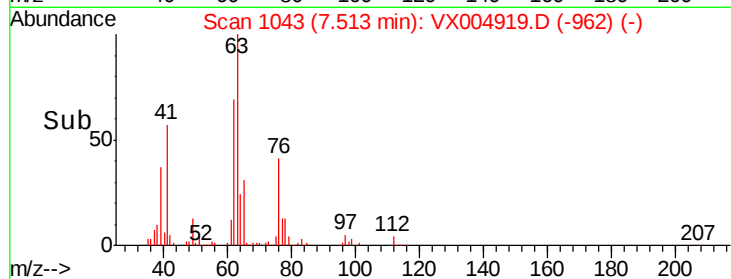
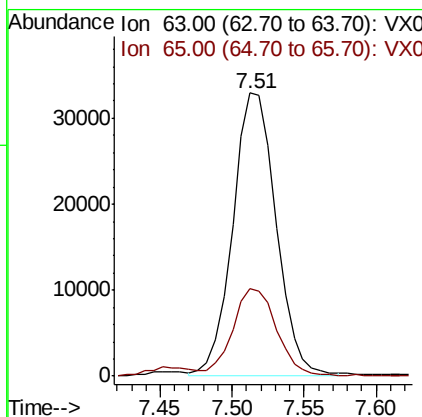
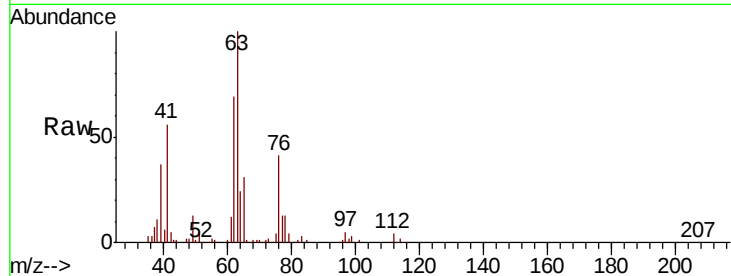
#39
 1,2-Dichloropropane
 Concen: 19.715 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX1002WBSD01

Tot Ion: 63 Resp: 68717
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.2 34.8

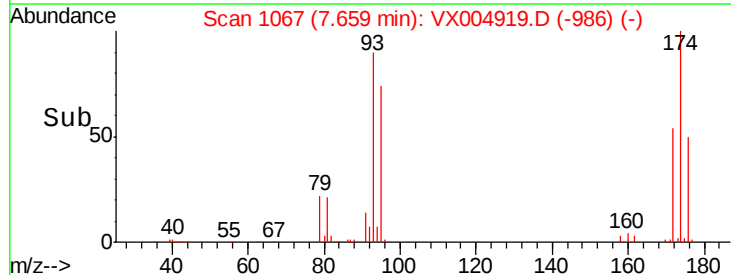
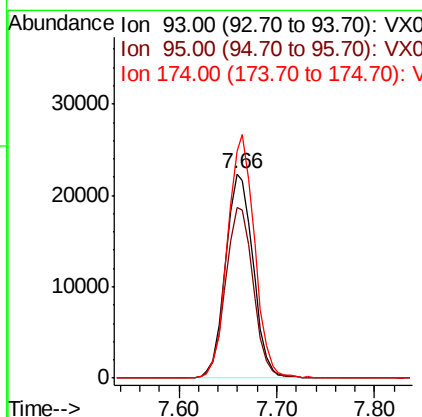
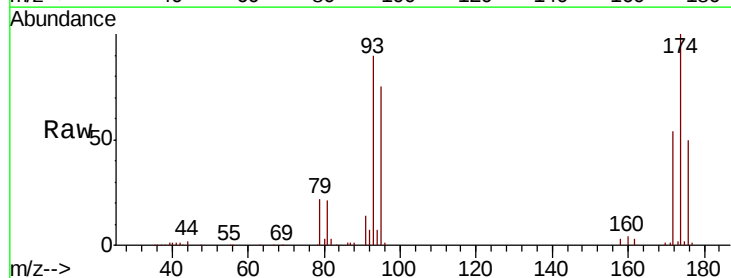
Manual Integrations
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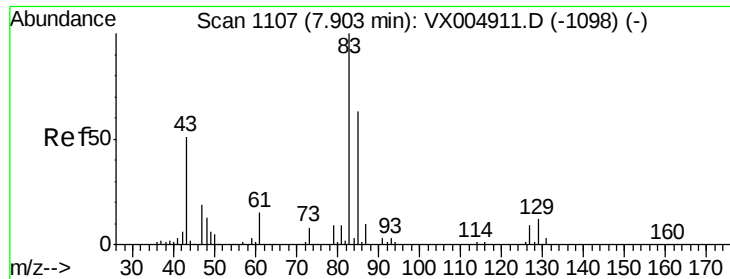
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#40
 Dibromomethane
 Concen: 19.468 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion: 93 Resp: 43980
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 172.4
 174 115.8 0.0 234.0





#41

Bromodichloromethane

Concen: 19.255 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

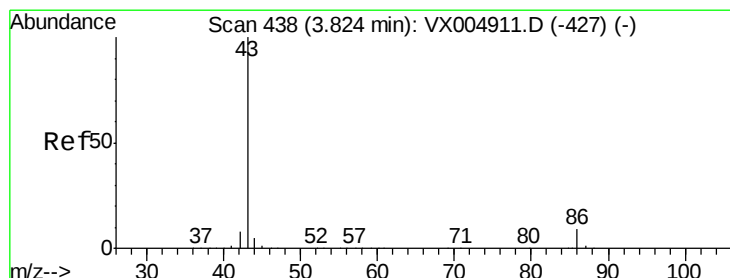
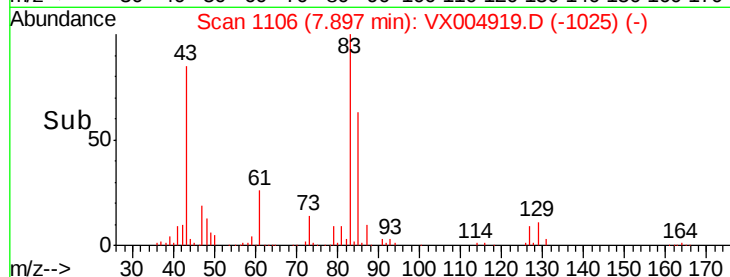
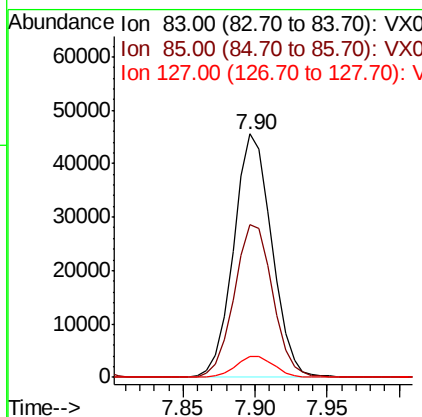
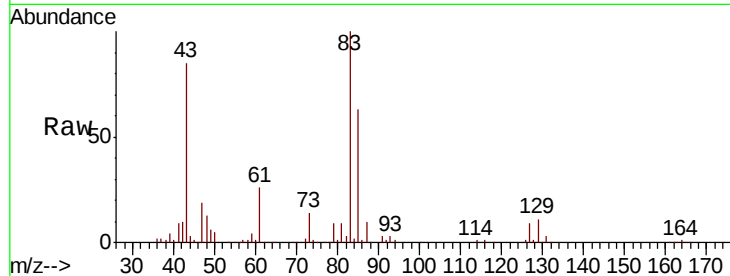
ClientSampleId :

VX1002WBSD01

Tot Ion:	83	Resp:	83857
Ion Ratio	Lower	Upper	
83	100		
85	62.6	50.2	75.4
127	8.7	6.9	10.3

Manual Integrations
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#42

Vinyl Acetate

Concen: 105.467 ug/l

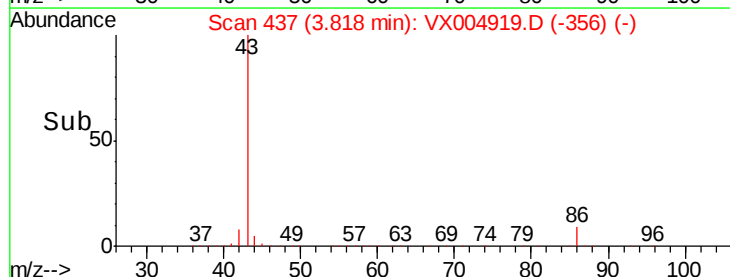
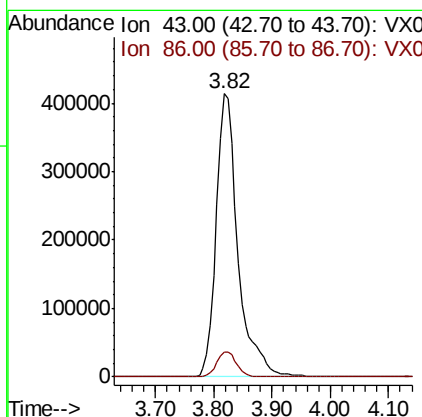
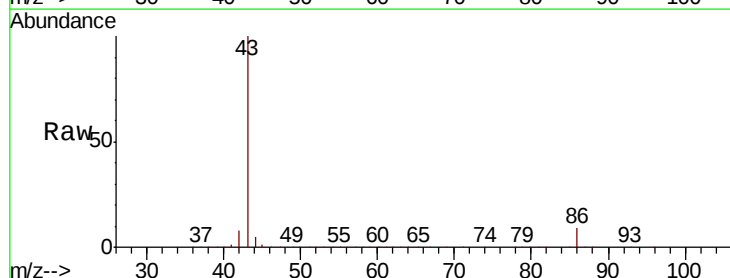
RT: 3.82 min Scan# 437

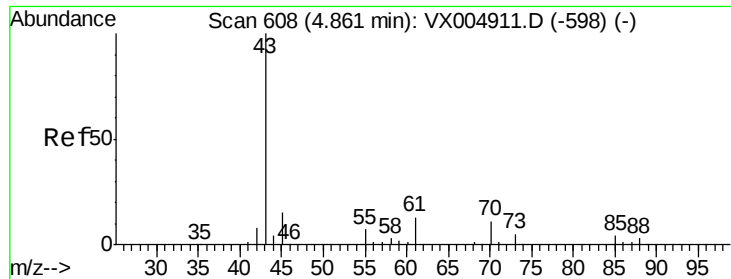
Delta R.T. -0.01 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Tgt Ion:	43	Resp:	1069418
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.6	10.0





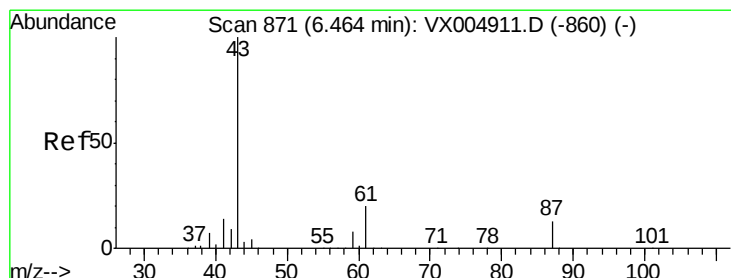
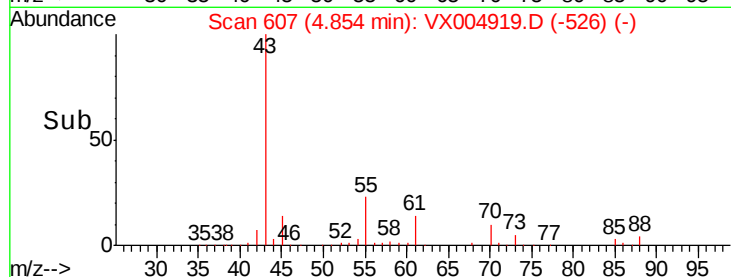
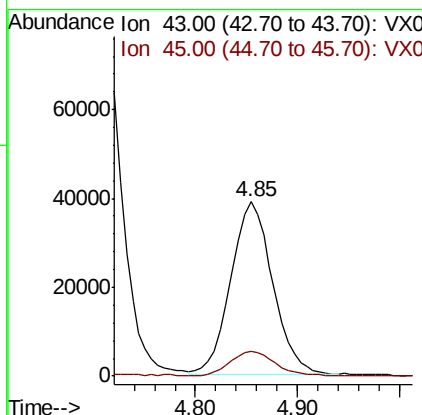
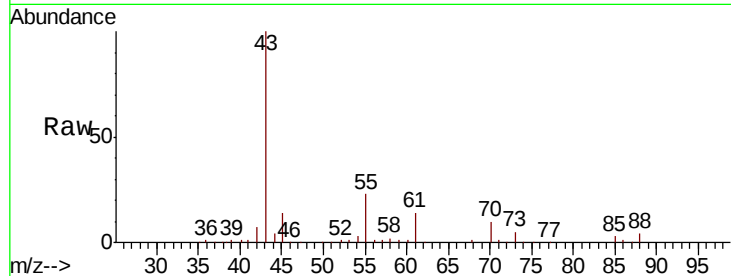
#43
Ethyl Acetate
Concen: 19.133 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampled :
VX1002WBSD01

Tot Ion: 43 Resp: 110617
Ion Ratio Lower Upper
43 100
45 14.8 12.3 18.5

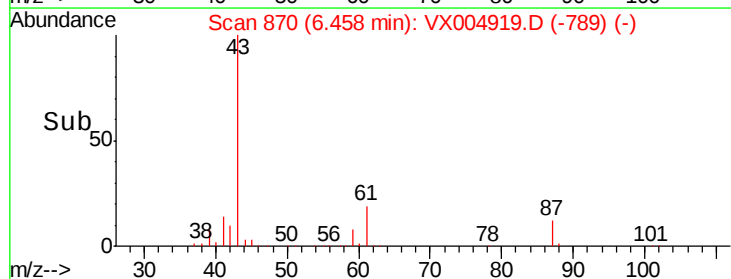
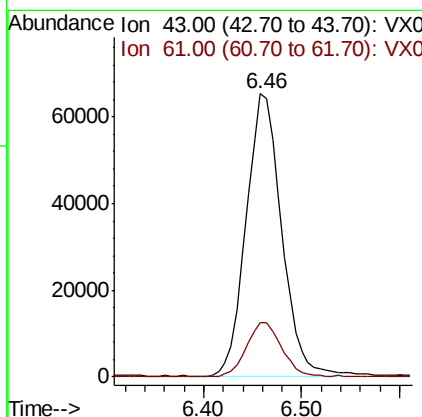
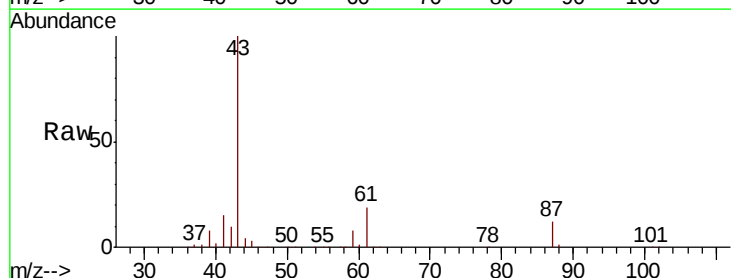
Manual Integrations
APPROVED

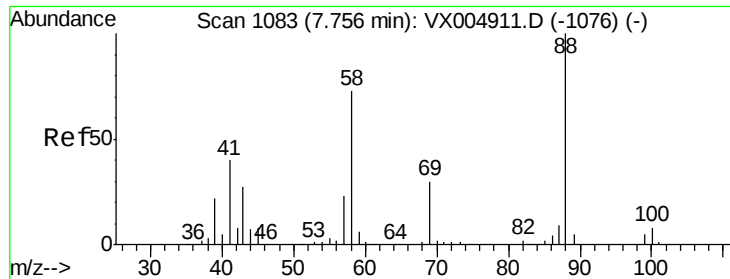
MMDadoda
10/3/2018 4:23:28 PM



#44
Isopropyl Acetate
Concen: 19.001 ug/l
RT: 6.46 min Scan# 870
Delta R.T. -0.01 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion: 43 Resp: 163933
Ion Ratio Lower Upper
43 100
61 19.3 15.7 23.5





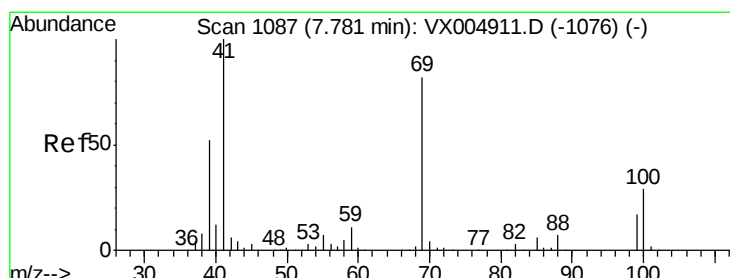
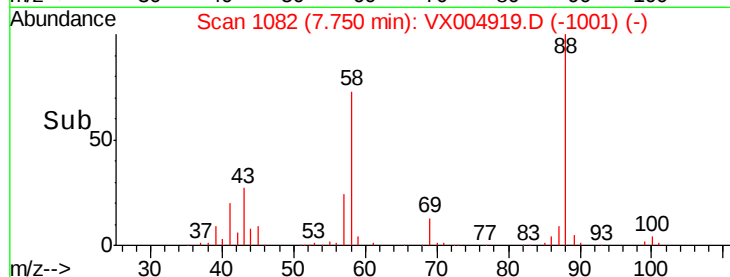
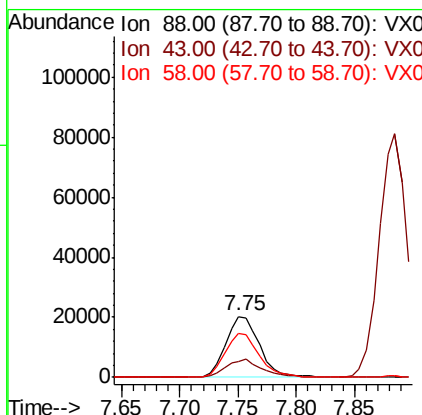
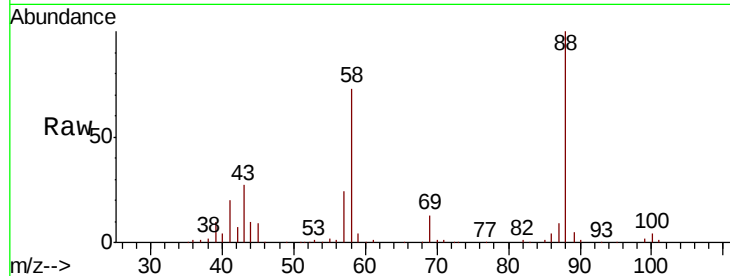
#45
 1,4-Dioxane
 Concen: 399.616 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampled :
 VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	25.4	38.0
58	74.0	61.0	91.6

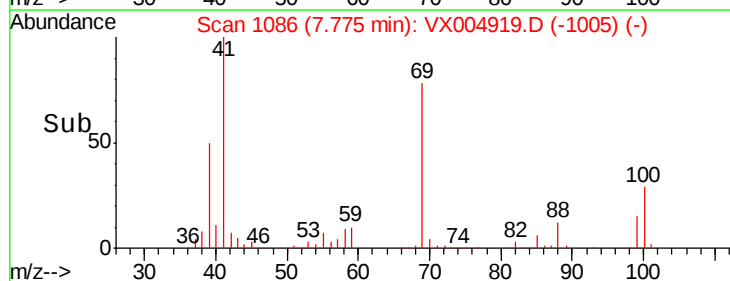
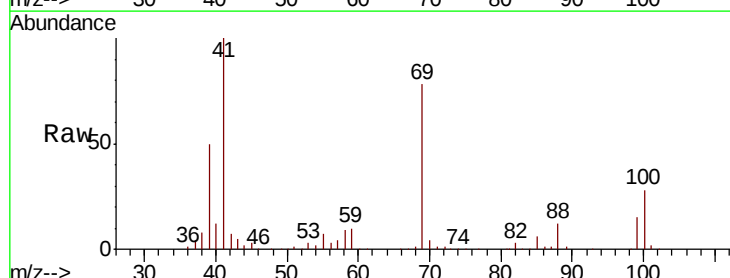
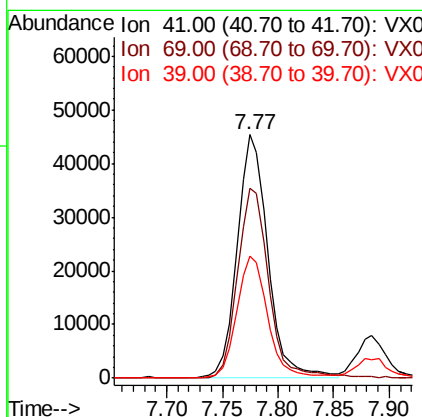
Manual Integrations
 APPROVED

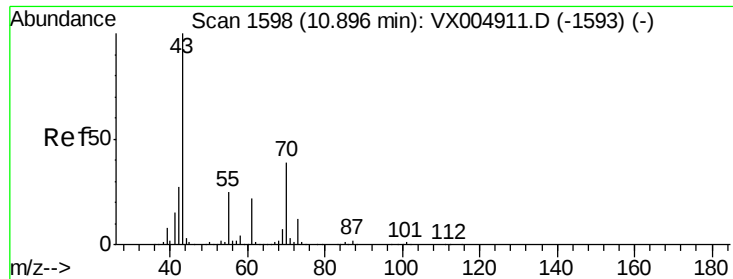
MMDadoda
 10/3/2018 4:23:28 PM



#46
 Methyl methacrylate
 Concen: 19.266 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.9	41.0	123.0
39	49.8	25.9	77.7





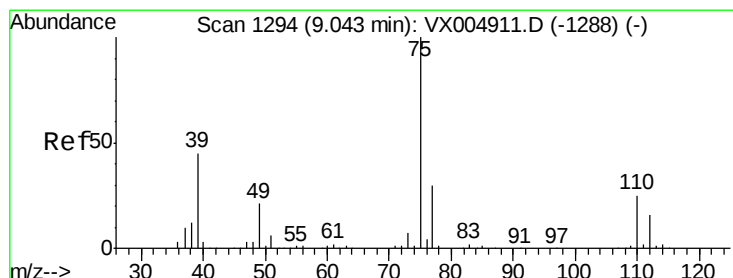
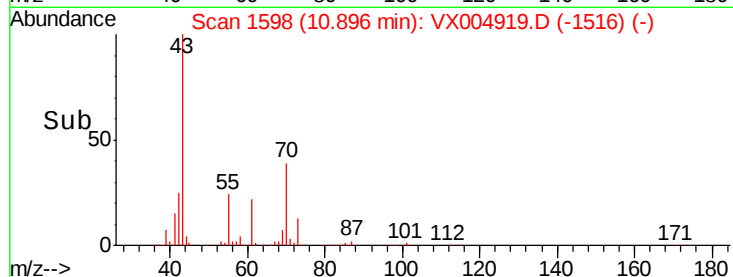
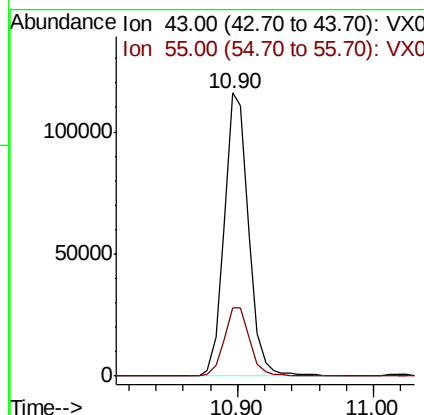
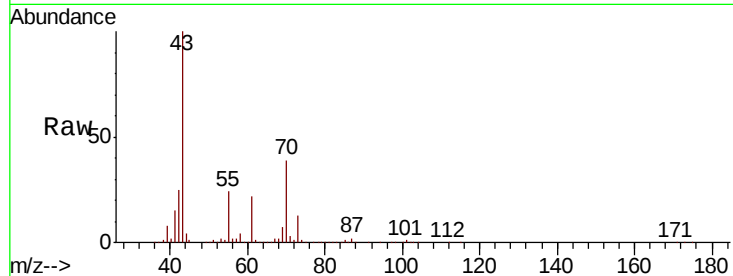
#47
n-amvl Acetate
Concen: 17.978 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampled :
VX1002WBSD01

Tot Ion: 43 Resp: 143103
Ion Ratio Lower Upper
43 100
55 25.5 20.0 30.0

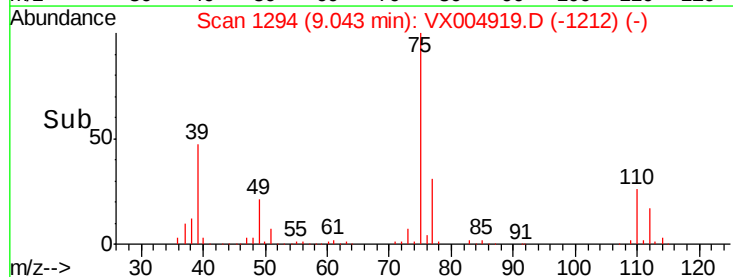
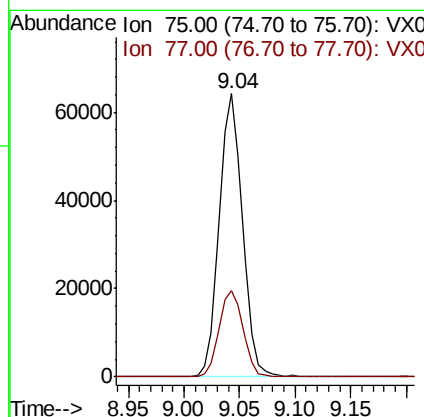
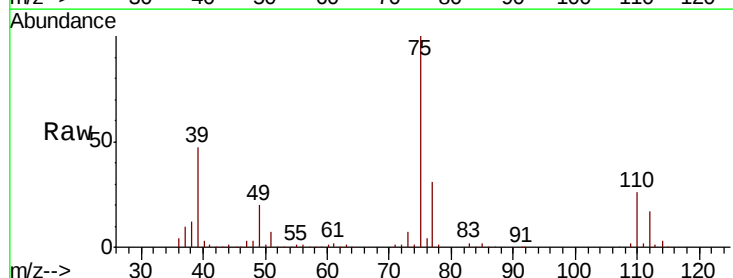
Manual Integrations
APPROVED

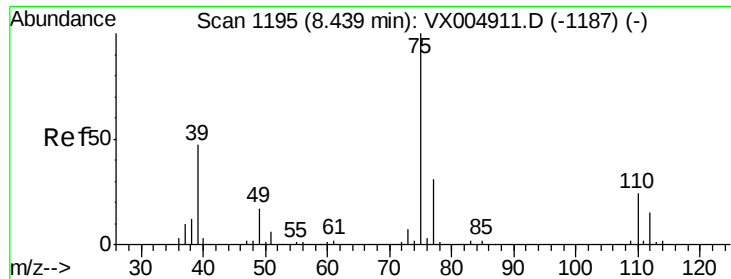
MMDadoda
10/3/2018 4:23:28 PM



#48
t-1,3-Dichloropropene
Concen: 18.712 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion: 75 Resp: 93232
Ion Ratio Lower Upper
75 100
77 30.7 24.4 36.6





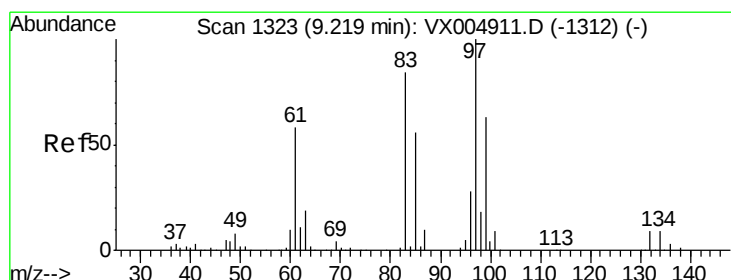
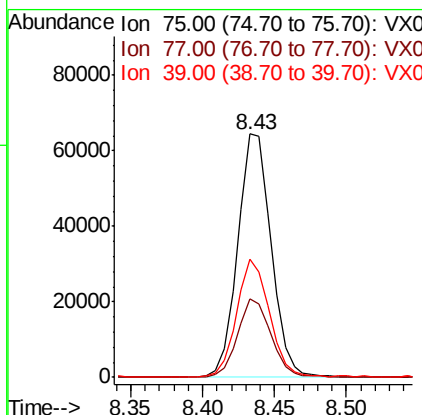
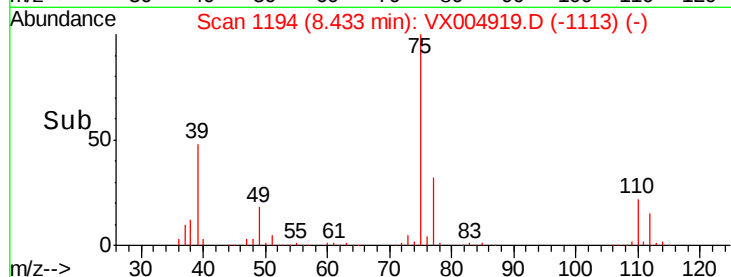
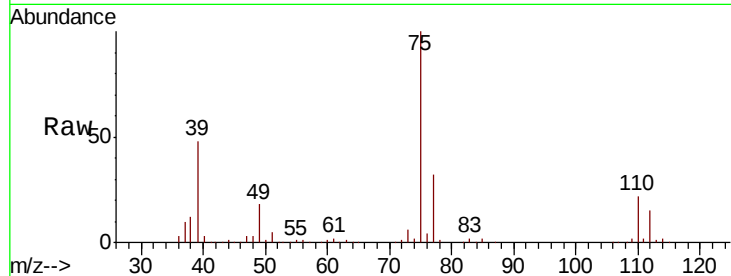
#49
 cis-1,3-Dichloropropene
 Concen: 19.337 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.1	24.9	37.3	
39	48.2	38.0	57.0	

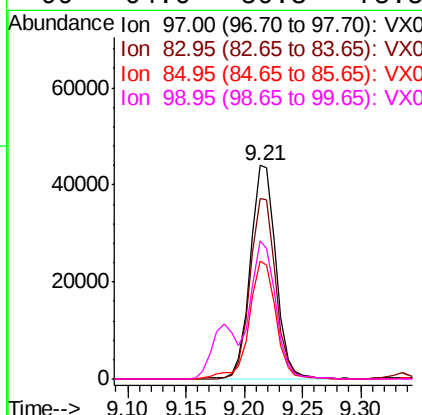
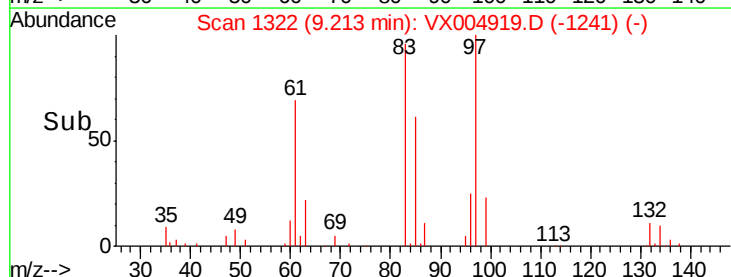
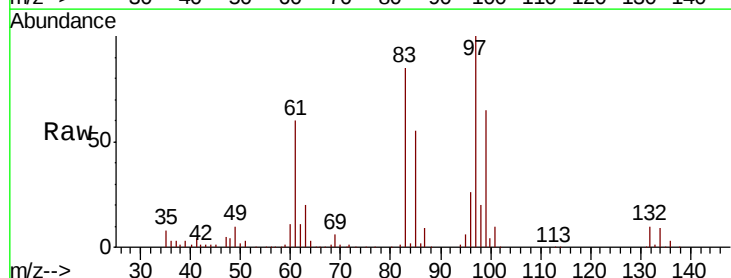
Manual Integrations
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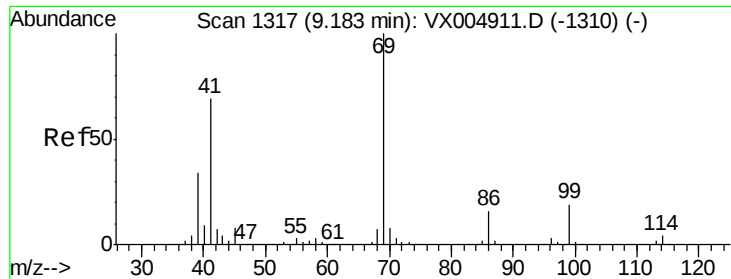
MMDadoda
 10/3/2018 4:23:28 PM



#50
 1,1,2-Trichloroethane
 Concen: 19.857 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	84.6	67.2	100.8	
85	55.2	44.7	67.1	
99	64.6	50.3	75.5	





#51

Ethyl methacrylate

Concen: 18.777 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

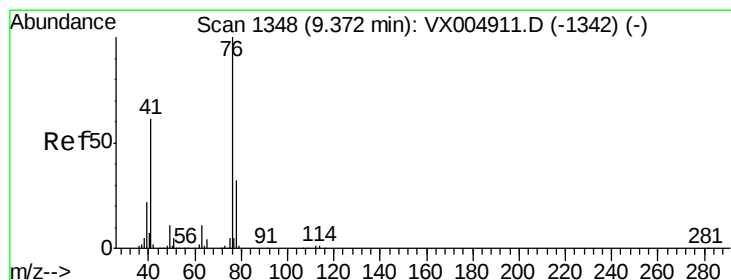
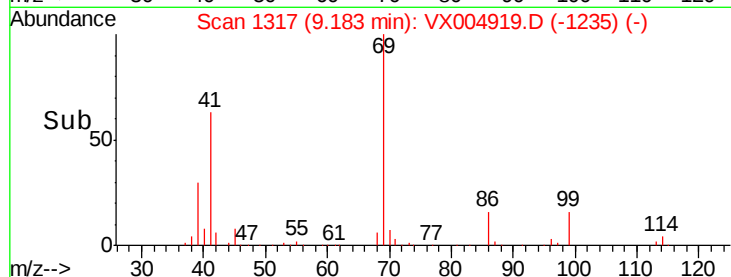
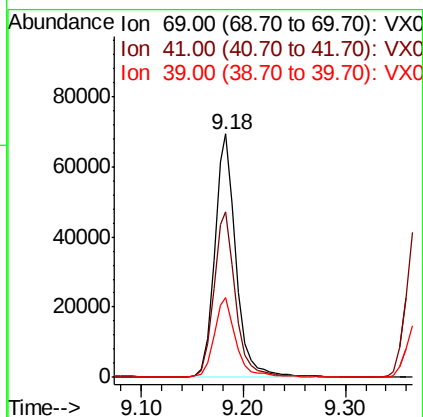
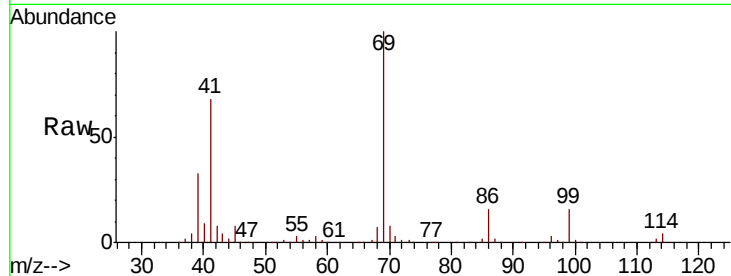
ClientSampleId :

VX1002WBSD01

Tot Ion:	69	Resp:	101920
Ion	Ratio	Lower	Upper
69	100		
41	68.0	34.6	103.9
39	32.7	17.0	51.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.321 ug/l

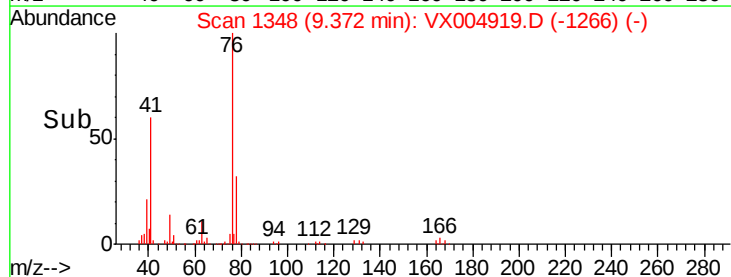
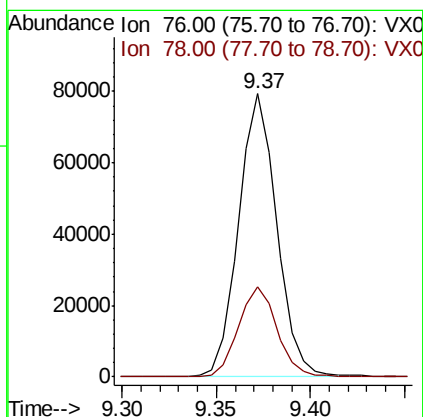
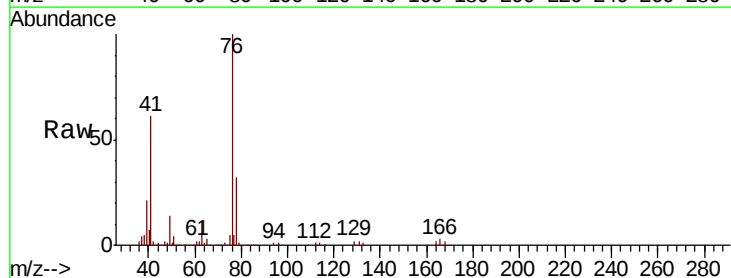
RT: 9.37 min Scan# 1348

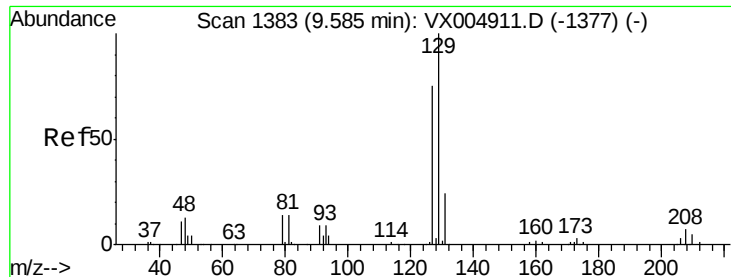
Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Tgt Ion:	76	Resp:	111487
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.4





#53

Dibromochloromethane

Concen: 18.997 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion:129 Resp: 67411

Ion Ratio Lower Upper

129 100

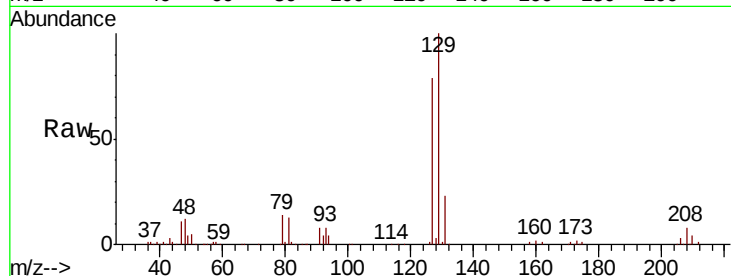
127 77.2 38.3 114.9

Manual Integrations

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

50000

40000

30000

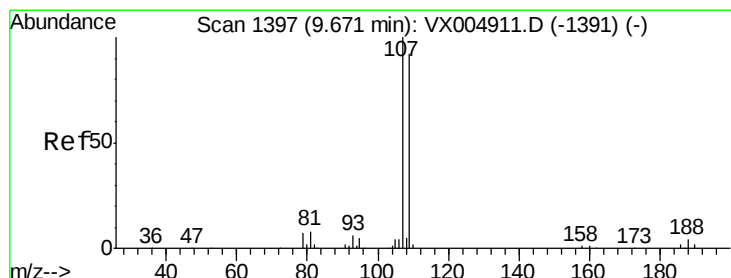
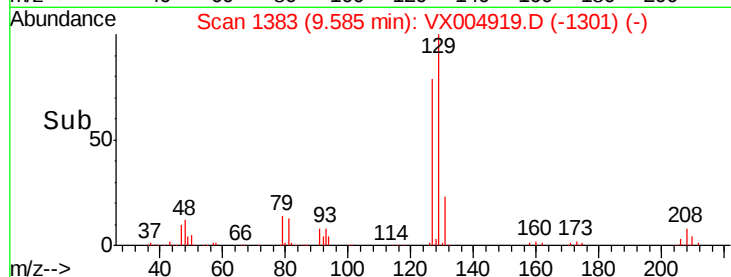
20000

10000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#54

1,2-Dibromoethane

Concen: 19.220 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX004919.D

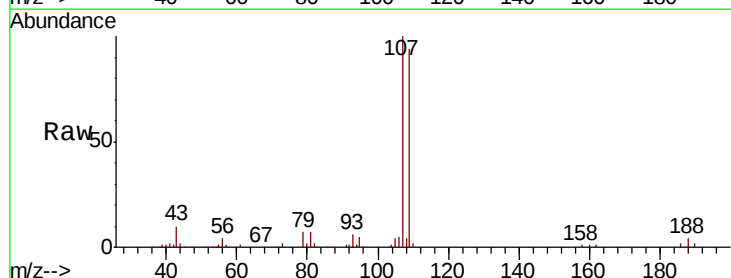
Acq: 02 Oct 2018 15:12

Tgt Ion:107 Resp: 68506

Ion Ratio Lower Upper

107 100

109 94.3 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

50000

40000

30000

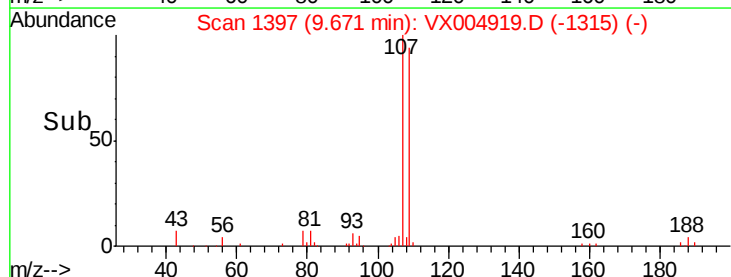
20000

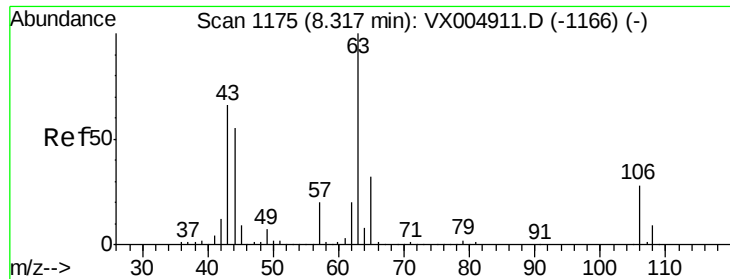
10000

0

9.60 9.65 9.70 9.75

Time-->





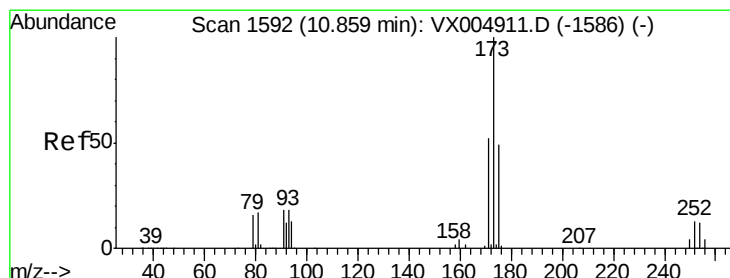
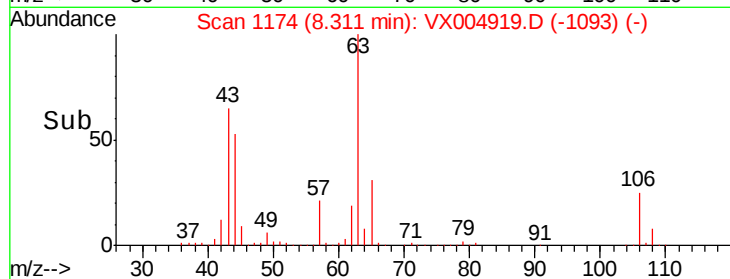
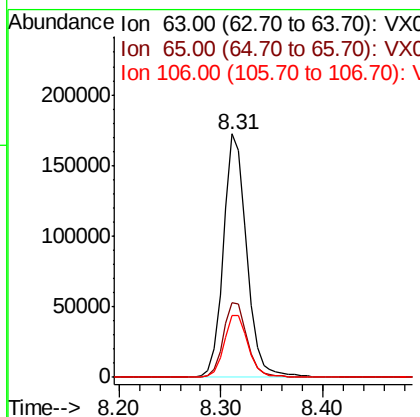
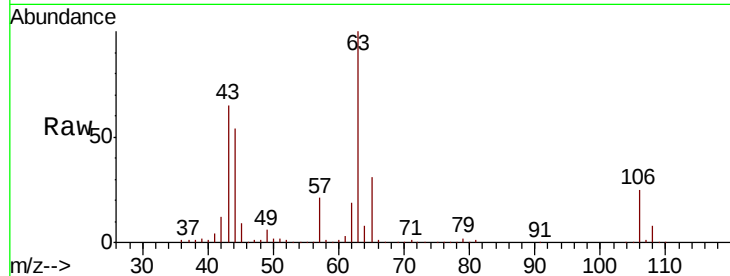
#55
2-Chloroethyl vinyl ether
Concen: 95.337 ug/l
RT: 8.31 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.9	38.9
106	26.3	21.8	32.6

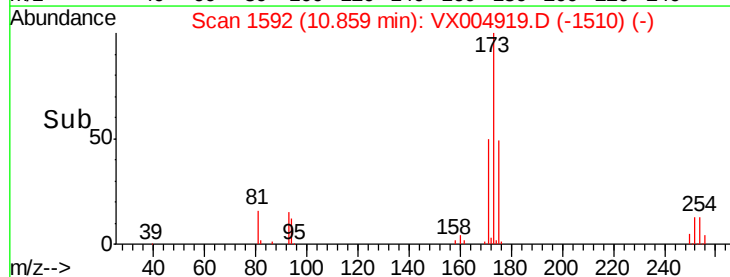
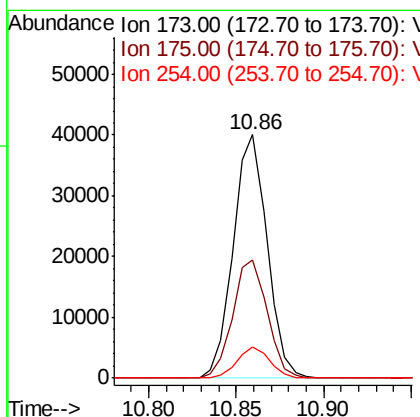
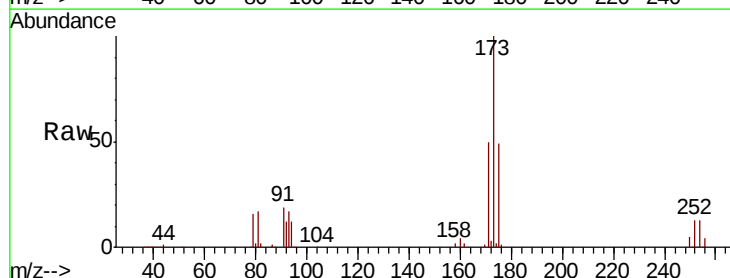
Manual Integrations
APPROVED

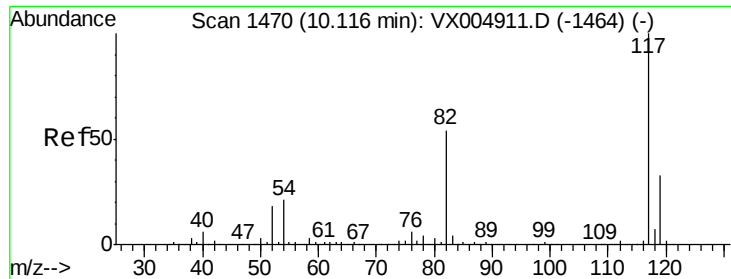
MMDadoda
10/3/2018 4:23:28 PM



#56
Bromoform
Concen: 18.225 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.7	59.5
254	12.4	9.6	14.4





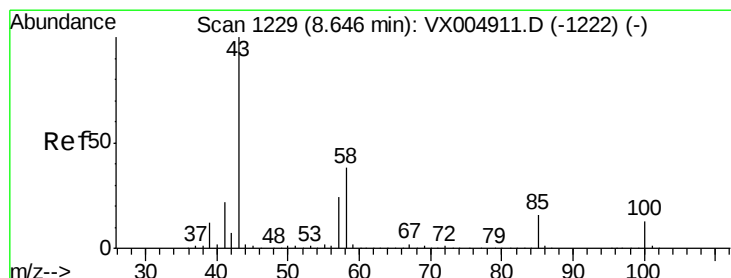
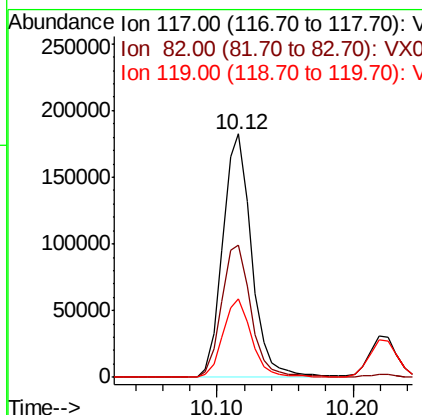
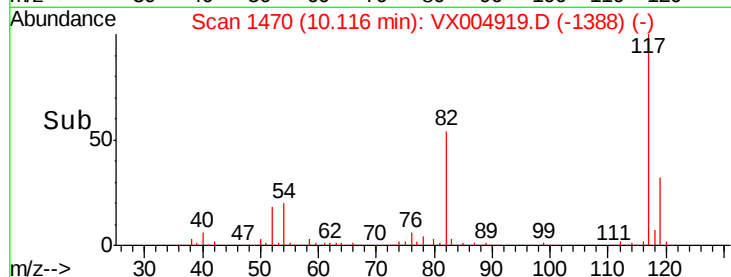
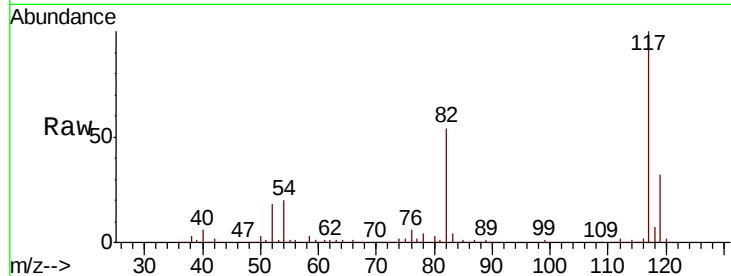
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.2	66.4
119	32.2	25.8	38.6

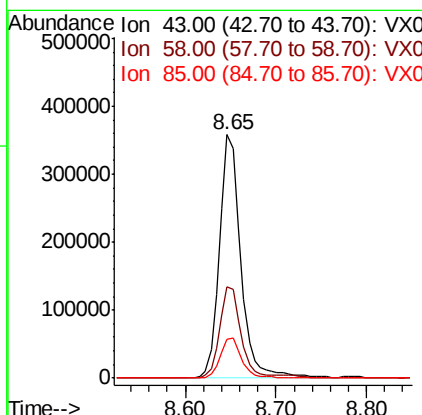
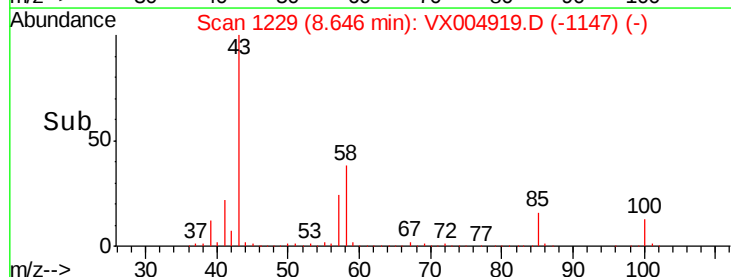
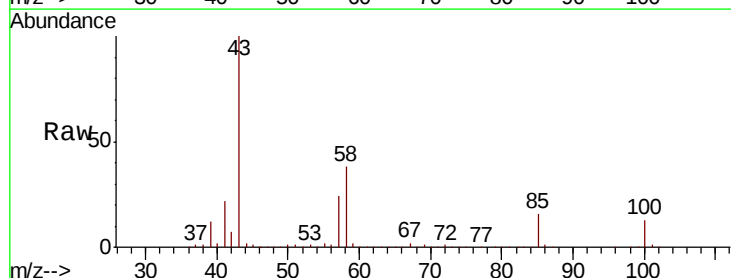
Manual Integrations
APPROVED

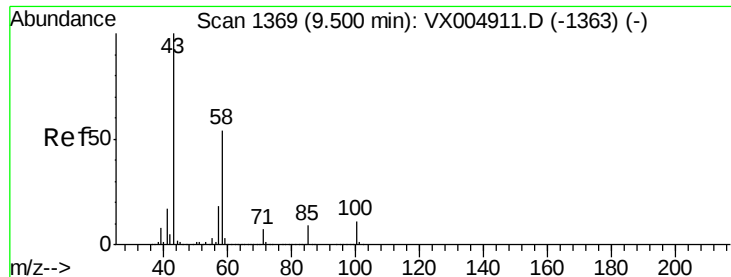
MMDadoda
10/3/2018 4:23:28 PM



#58
4-Methyl-2-Pentanone
Concen: 97.851 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.2	30.8	46.2
85	16.5	13.1	19.7





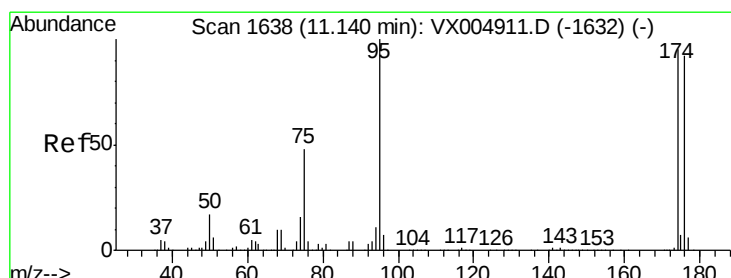
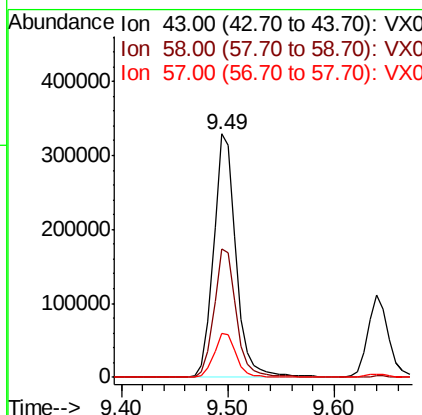
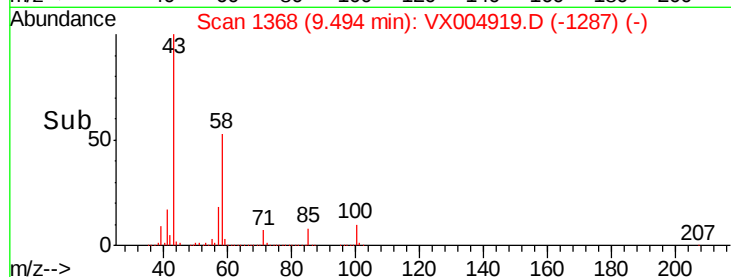
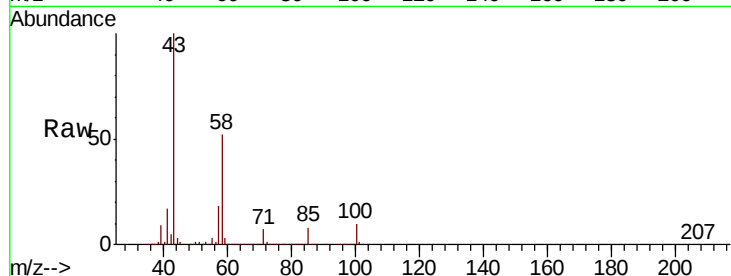
#59
2-Hexanone
Concen: 95.323 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	42.7	64.1
57	18.2	14.6	22.0

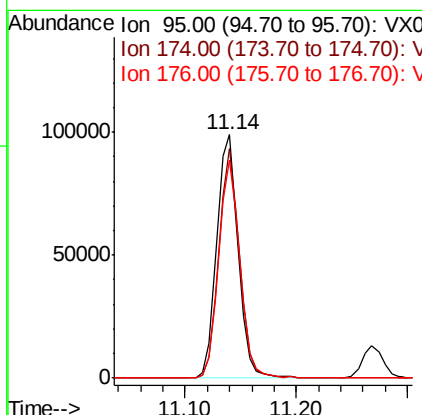
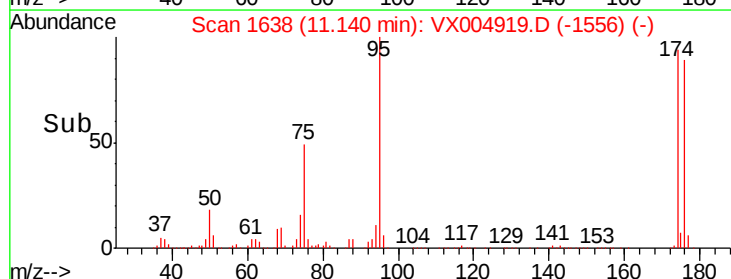
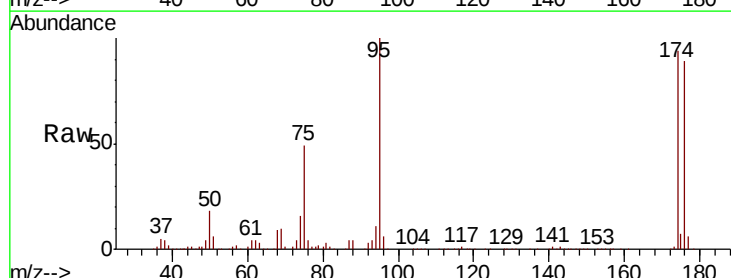
Manual Integrations
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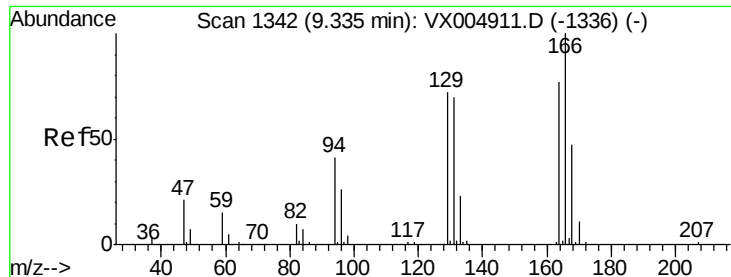
MMDadoda
10/3/2018 4:23:28 PM



#60
4-Bromofluorobenzene
Concen: 29.421 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	73.1	109.7
176	88.0	71.0	106.6





#61

Tetrachloroethene

Concen: 20.332 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX004919.D

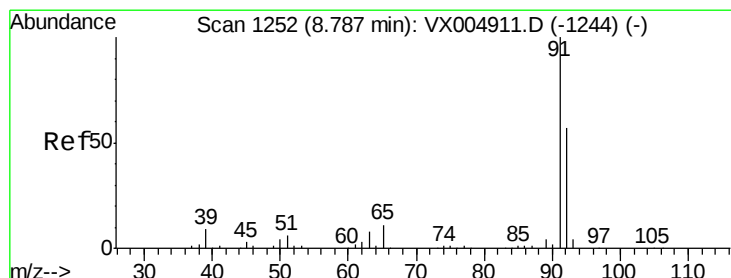
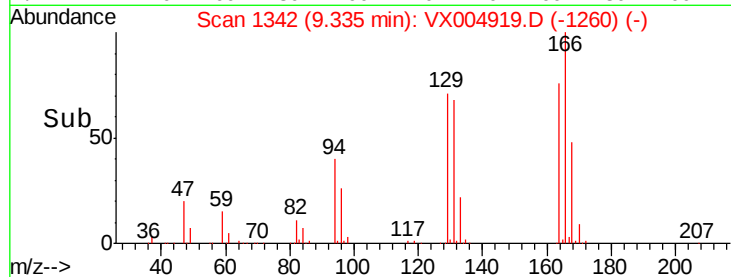
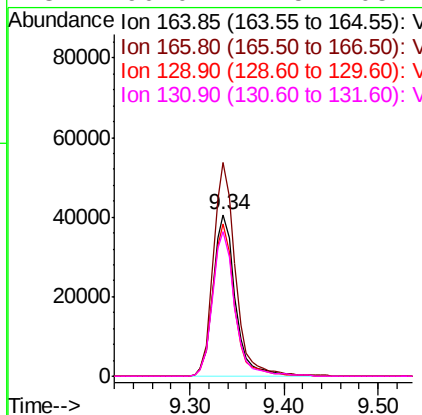
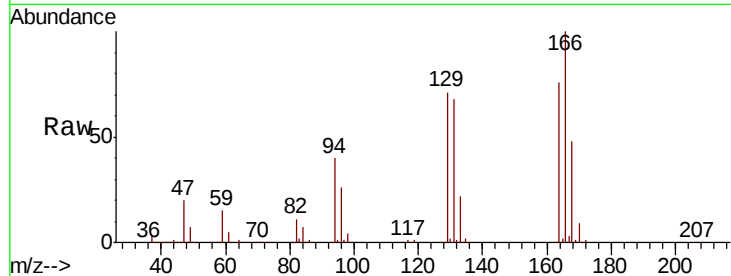
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion:	164	Resp:	66634
Ion	Ratio	Lower	Upper
164	100		
166	132.3	104.0	156.0
129	94.0	75.1	112.7
131	90.0	72.5	108.7

Manual Integrations
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#62

Toluene

Concen: 20.076 ug/l

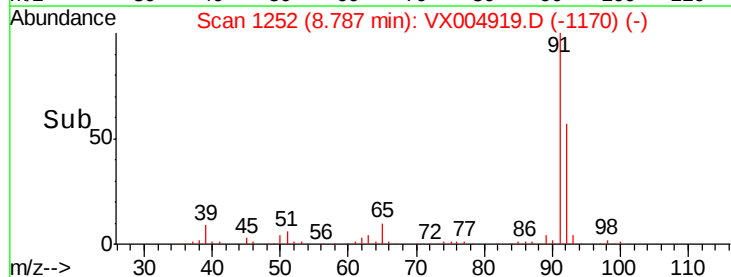
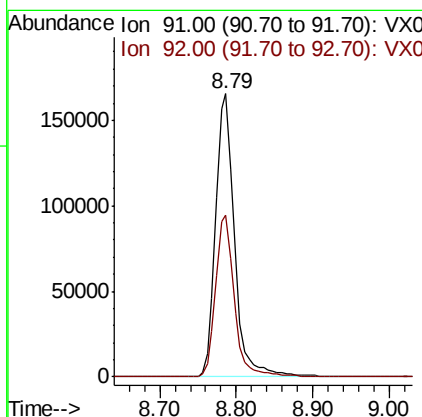
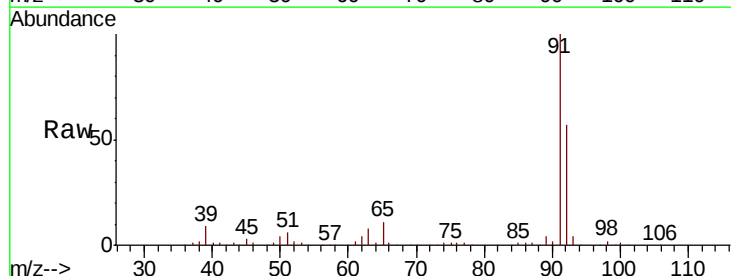
RT: 8.79 min Scan# 1252

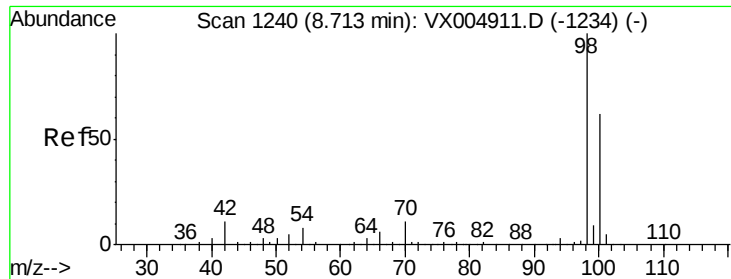
Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Tgt Ion:	91	Resp:	284141
Ion	Ratio	Lower	Upper
91	100		
92	56.6	46.2	69.4





#63

Toluene-d8

Concen: 30.440 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 98 Resp: 365913

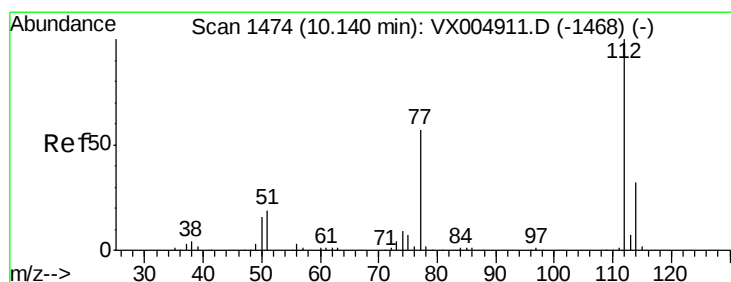
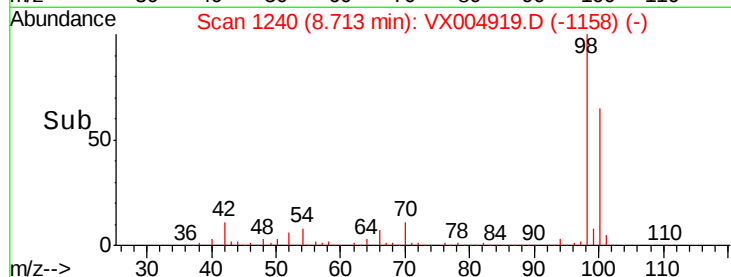
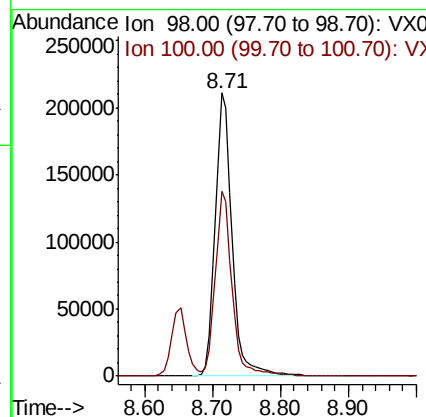
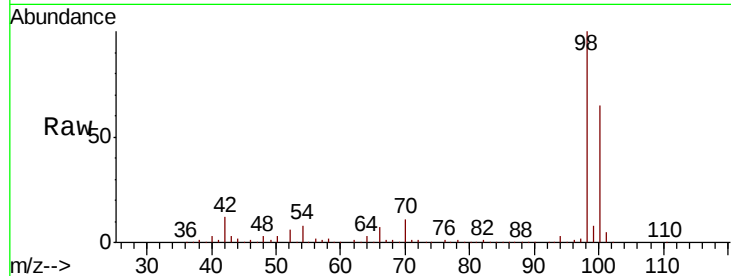
Ion Ratio Lower Upper

98 100

100 65.0 51.6 77.4

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#64

Chlorobenzene

Concen: 19.681 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX004919.D

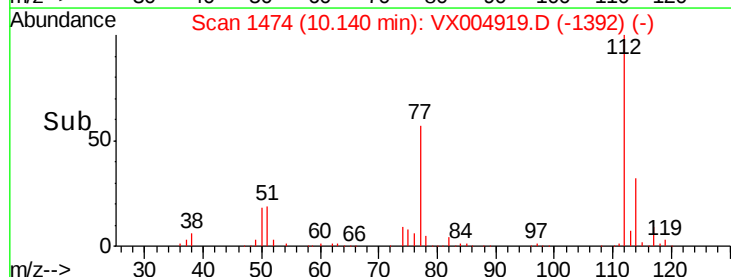
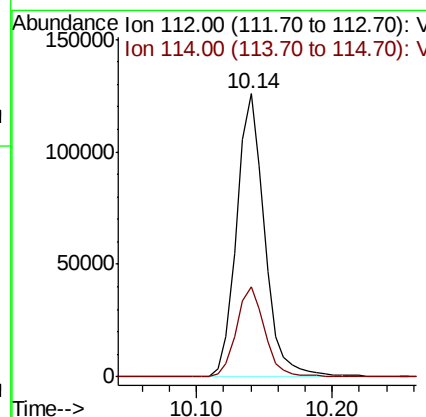
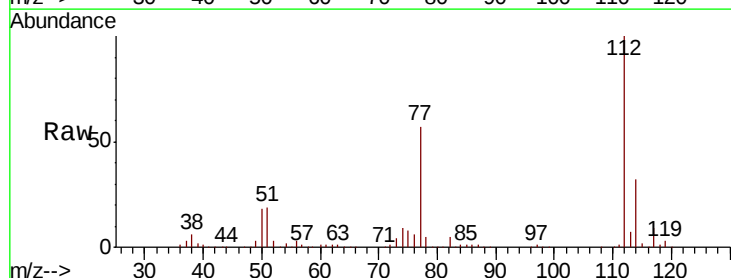
Acq: 02 Oct 2018 15:12

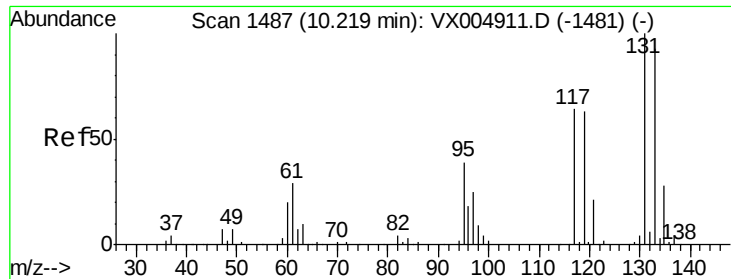
Tgt Ion: 112 Resp: 179884

Ion Ratio Lower Upper

112 100

114 31.8 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 19.239 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion:131 Resp: 63923

Ion Ratio Lower Upper

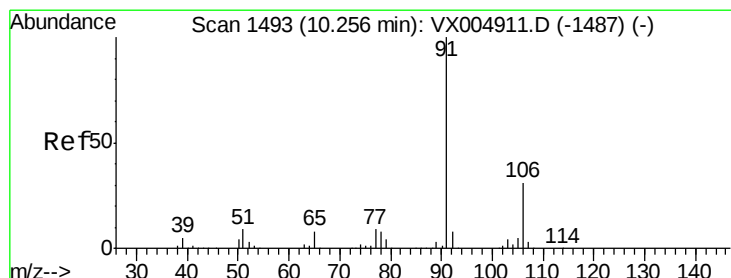
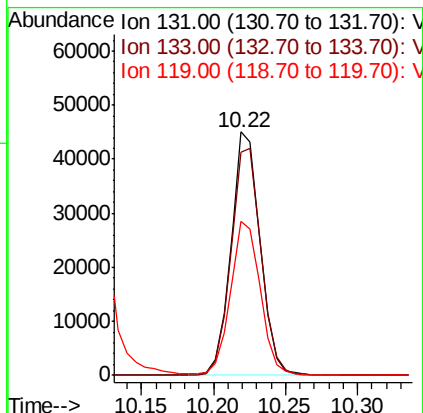
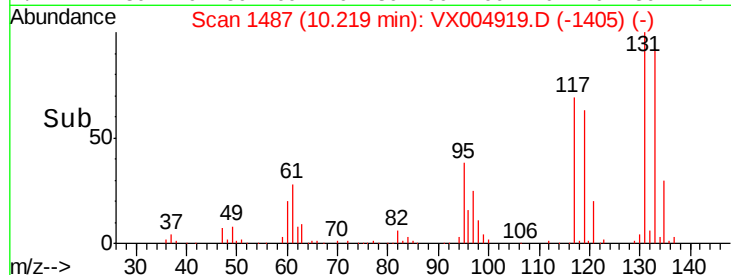
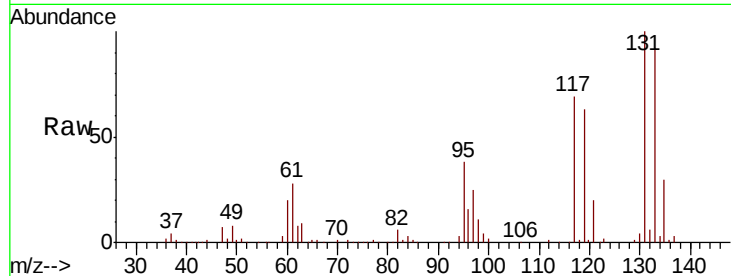
131 100

133 95.9 0.0 190.4

119 64.9 0.0 129.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.465 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX004919.D

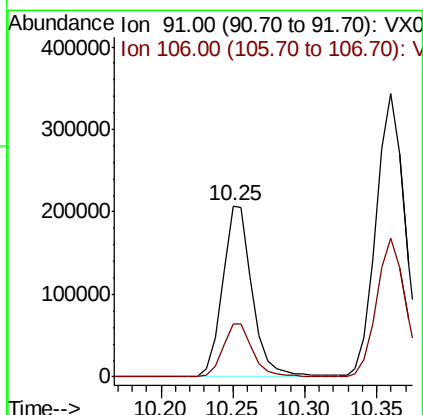
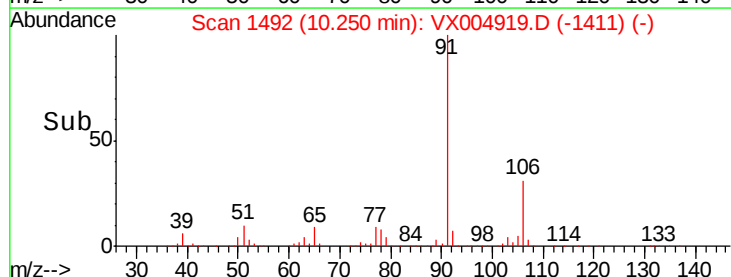
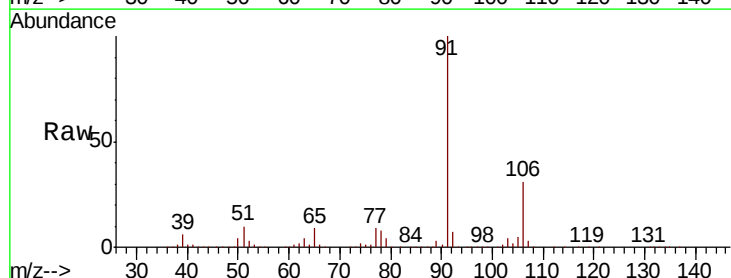
Acq: 02 Oct 2018 15:12

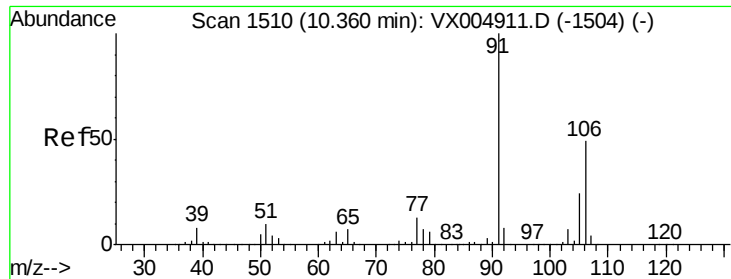
Tgt Ion: 91 Resp: 300760

Ion Ratio Lower Upper

91 100

106 31.2 24.5 36.7





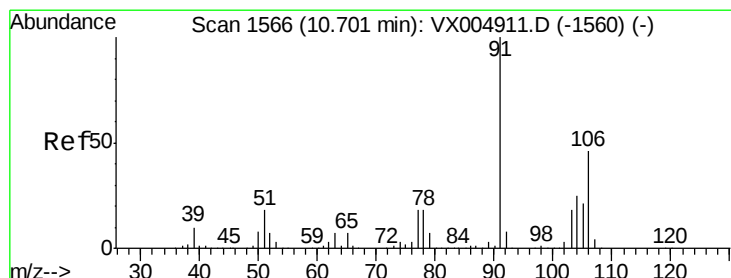
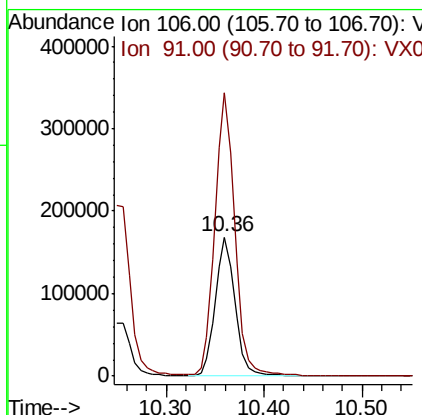
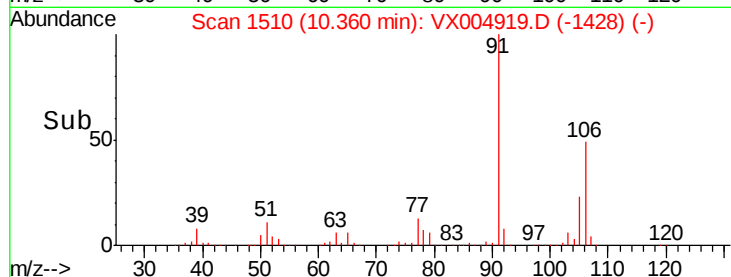
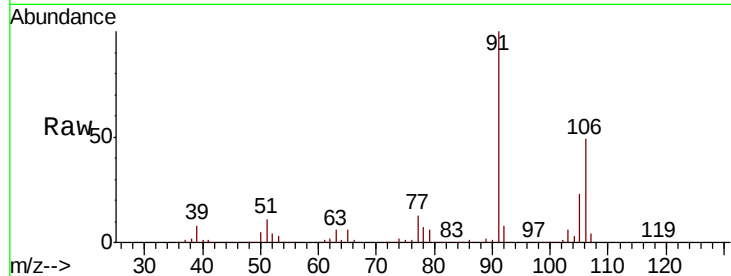
#67
m/p-Xvlenes
Concen: 39.537 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampled :
VX1002WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		237858		
91	203.2	165.5	248.3		

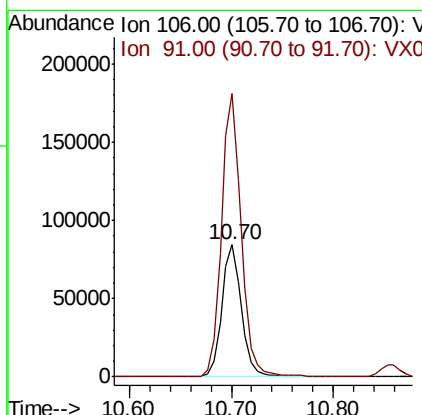
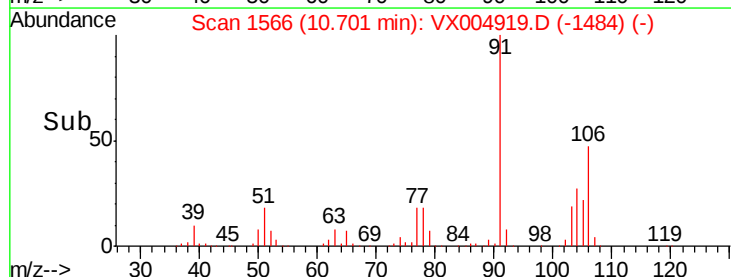
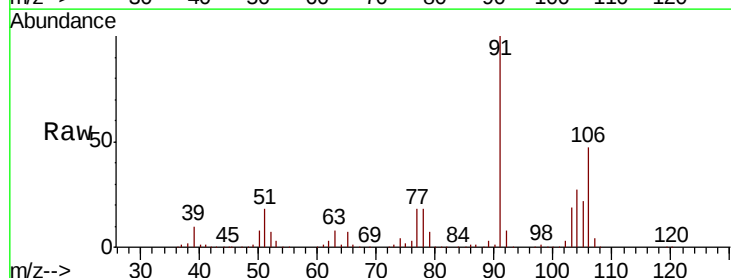
Manual Integrations
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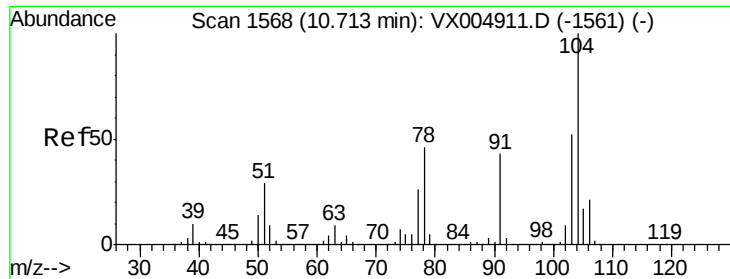
MMDadoda
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#68
o-Xylene
Concen: 19.637 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		113881		
91	214.5	109.1	327.2		





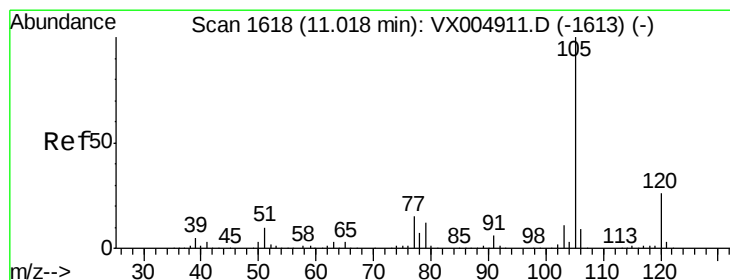
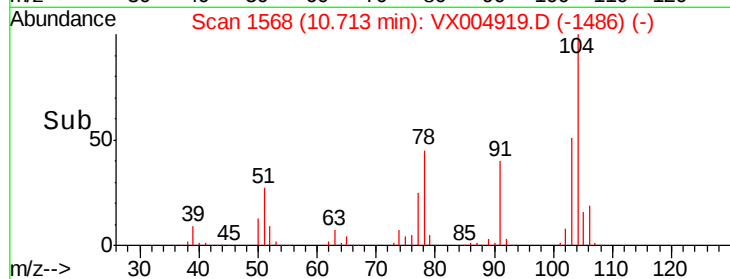
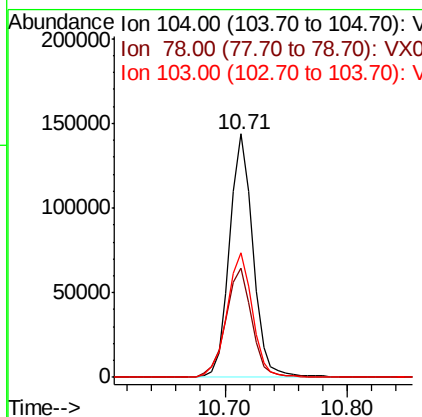
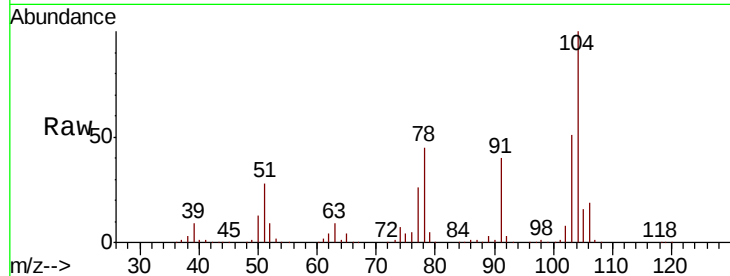
#69
Stvrene
Concen: 19.462 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.3	60.5
103	55.7	44.6	66.8

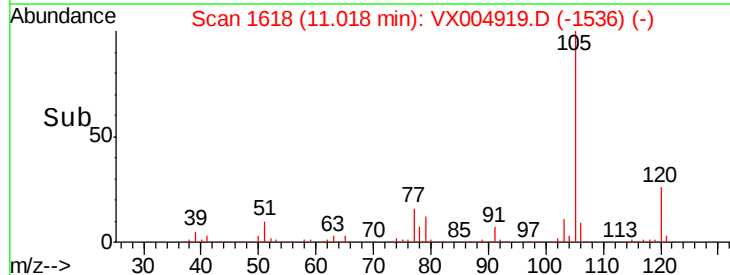
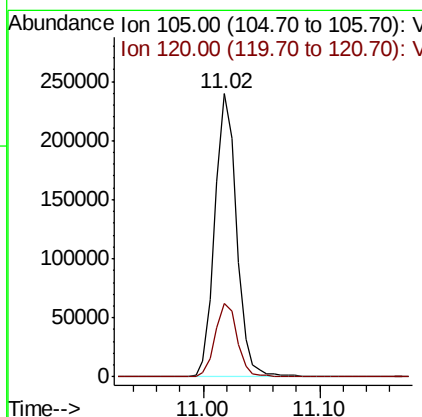
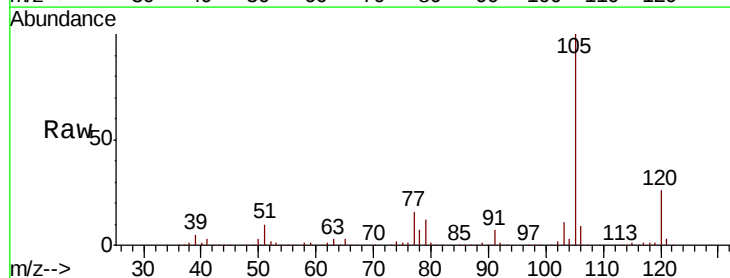
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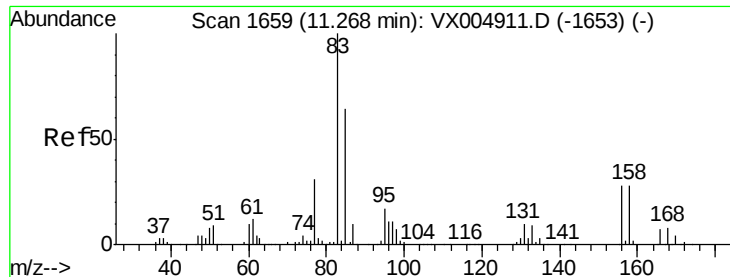
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#70
Isopropylbenzene
Concen: 19.867 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.3	34.1





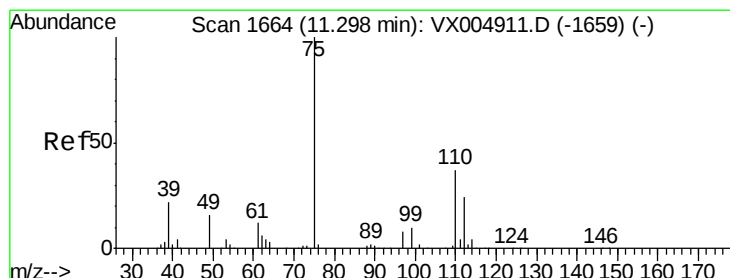
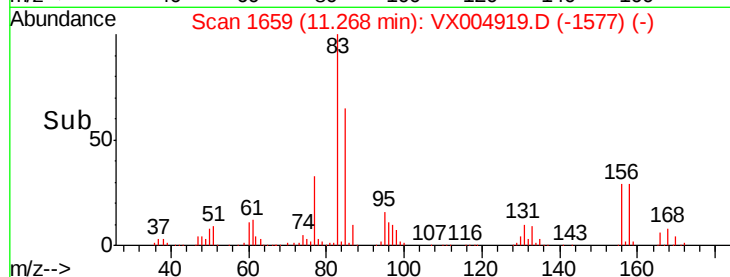
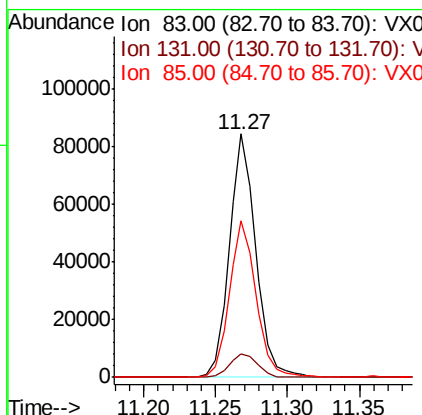
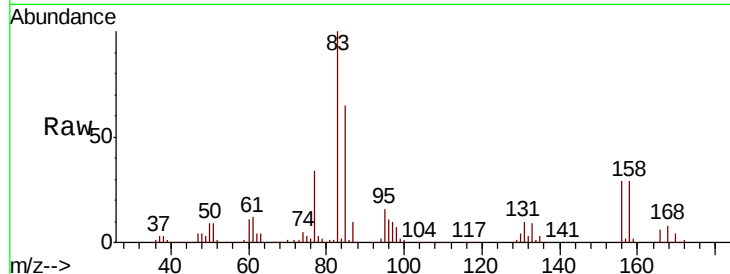
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.793 ug/l
 RT: 11.27 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.4	5.1	15.2	
85	65.2	32.2	96.6	

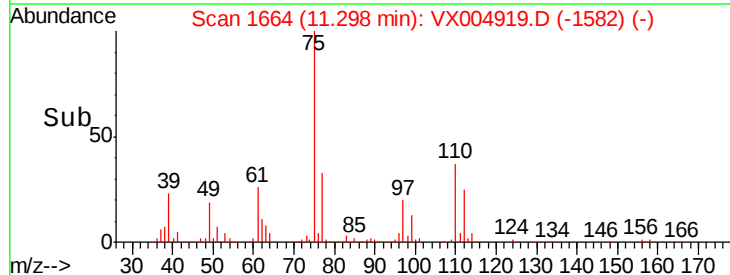
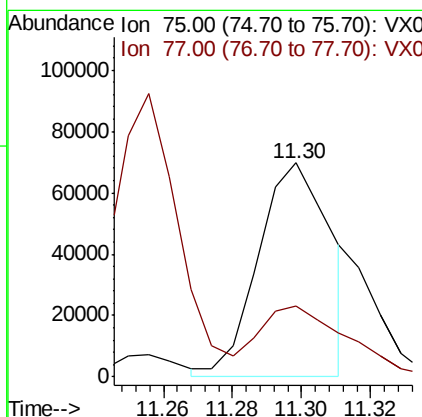
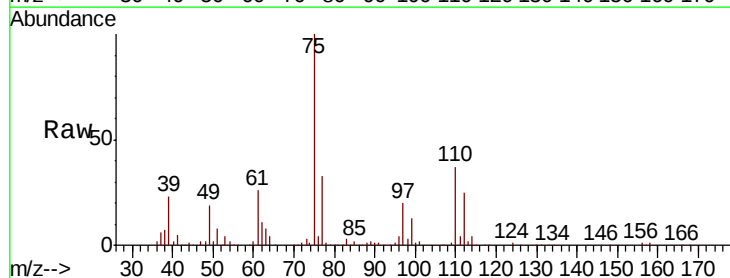
Manual Integrations
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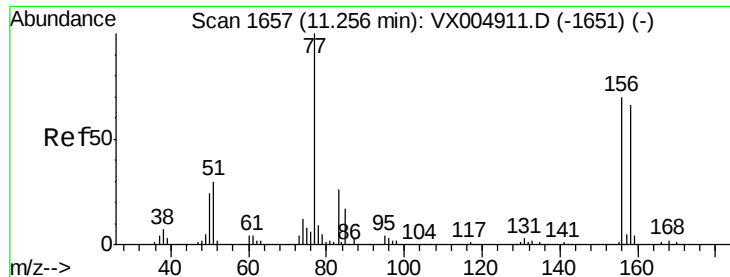
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#72
 1,2,3-Trichloropropane
 Concen: 19.282 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	40.3	0.0	81.2	





#73

Bromobenzene

Concen: 19.071 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion:156 Resp: 81407

Ion Ratio Lower Upper

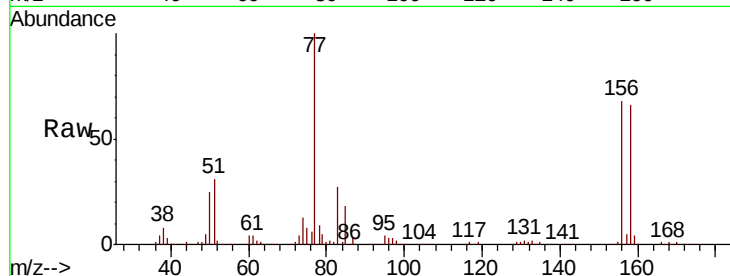
156 100

77 149.5 0.0 292.4

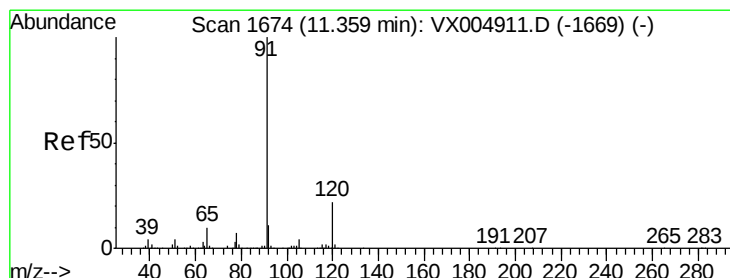
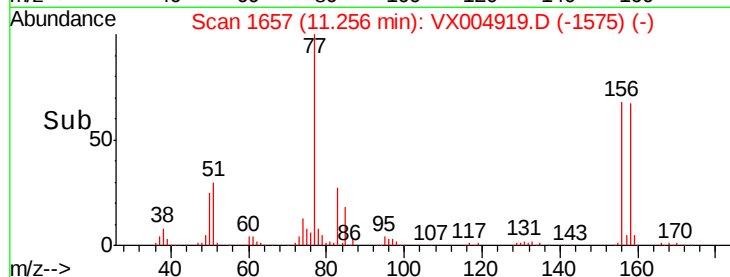
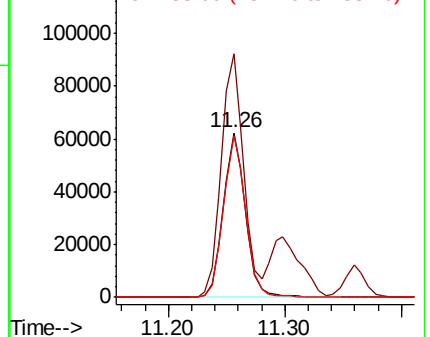
158 98.6 0.0 194.2

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.850 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004919.D

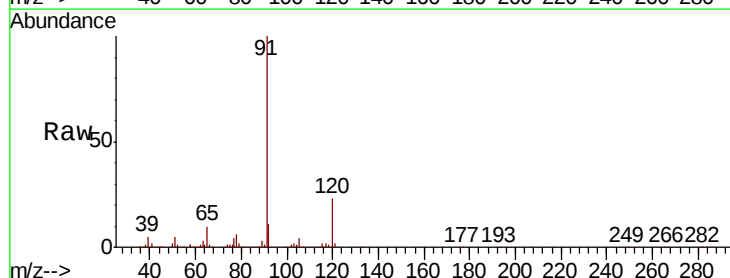
Acq: 02 Oct 2018 15:12

Tgt Ion: 91 Resp: 362695

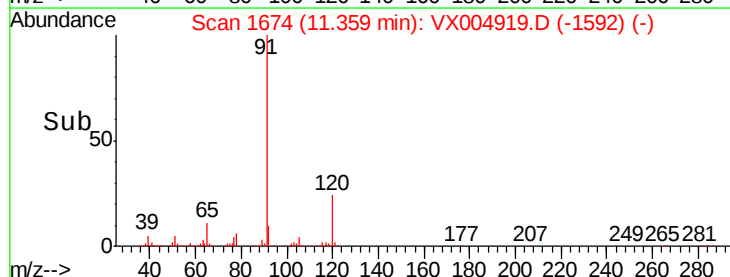
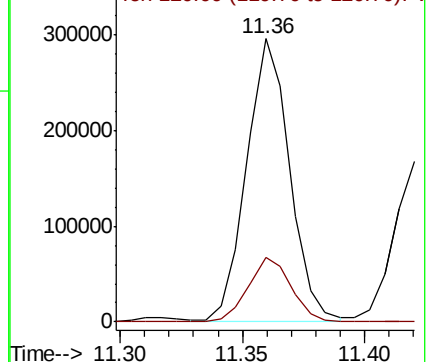
Ion Ratio Lower Upper

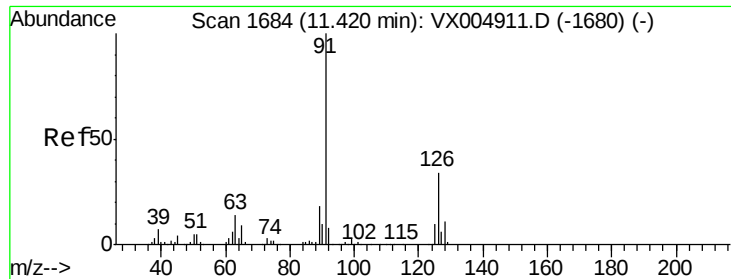
91 100

120 23.0 0.0 45.4



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





#75

2-Chlorotoluene

Concen: 19.723 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampled :

VX1002WBSD01

Tot Ion: 91 Resp: 219786

Ion Ratio Lower Upper

91 100

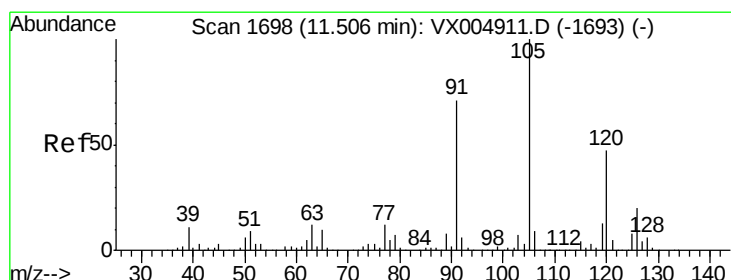
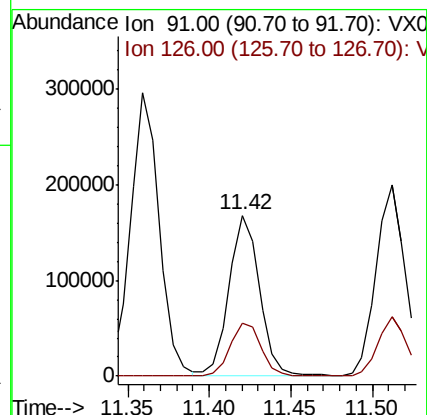
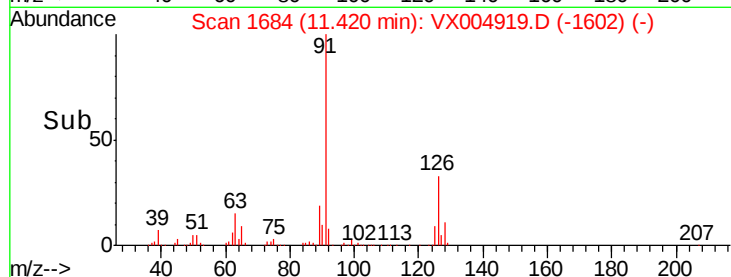
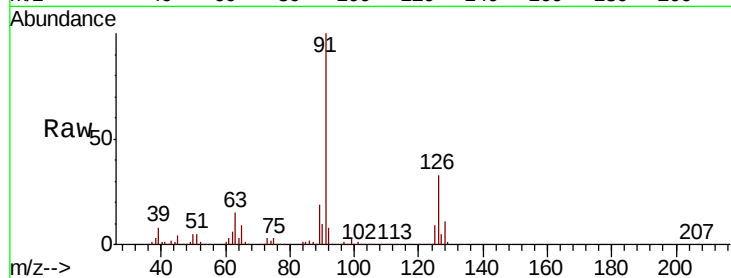
126 33.4 0.0 68.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.772 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004919.D

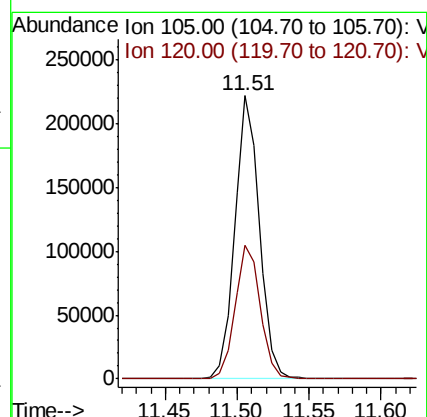
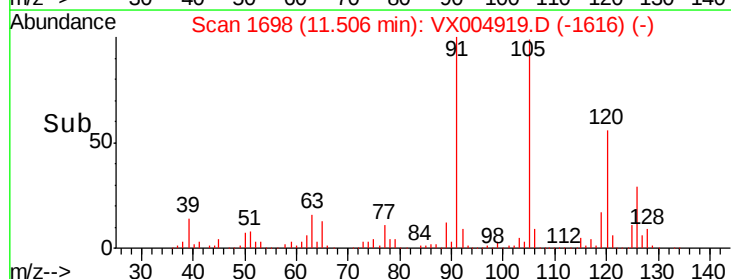
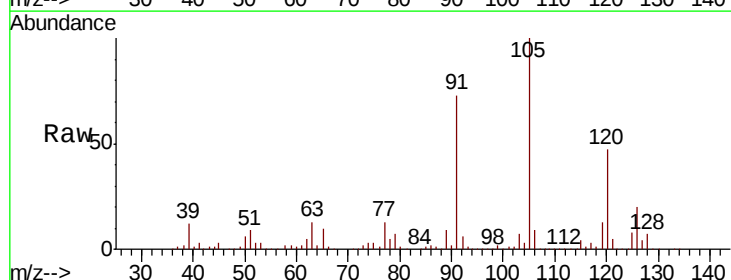
Acq: 02 Oct 2018 15:12

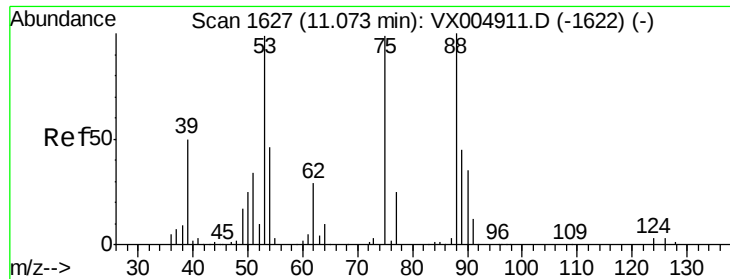
Tgt Ion: 105 Resp: 264914

Ion Ratio Lower Upper

105 100

120 48.4 0.0 96.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.383 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 75 Resp: 30032

Ion Ratio Lower Upper

75 100

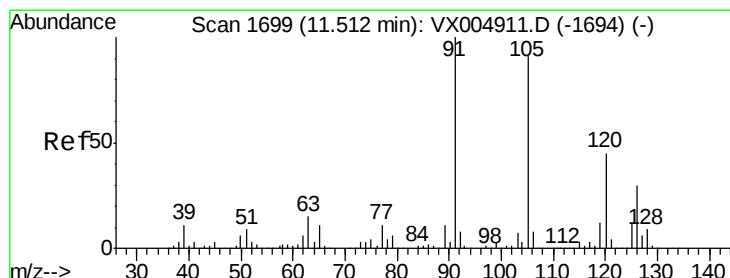
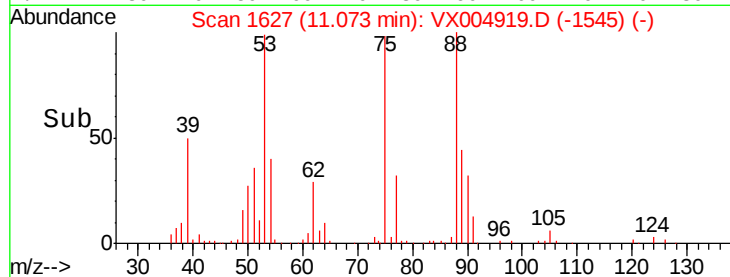
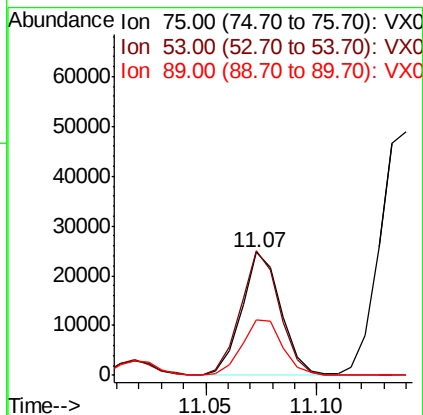
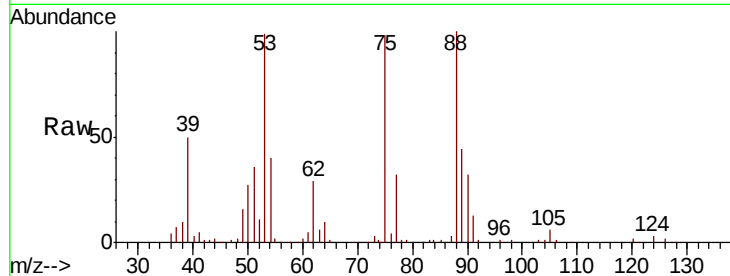
53 102.0 50.3 150.9

89 45.1 22.6 67.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.549 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004919.D

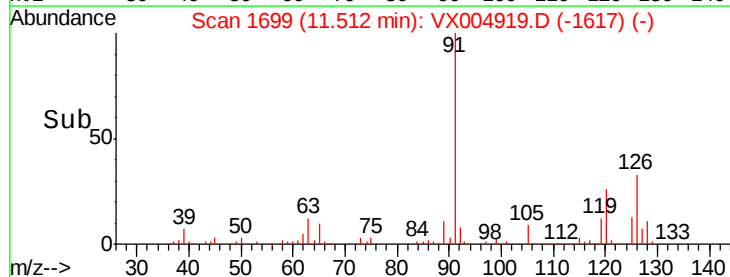
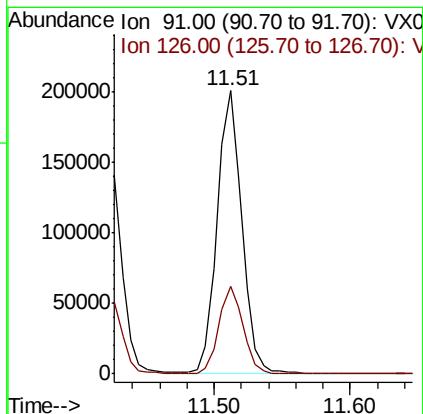
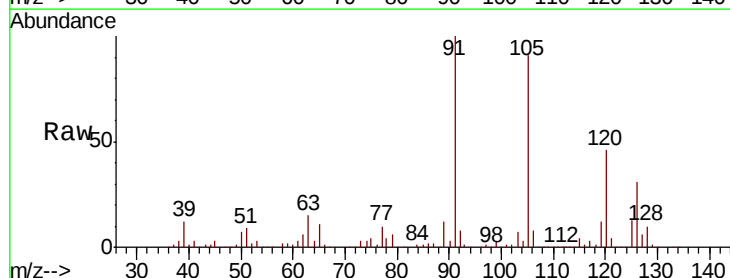
Acq: 02 Oct 2018 15:12

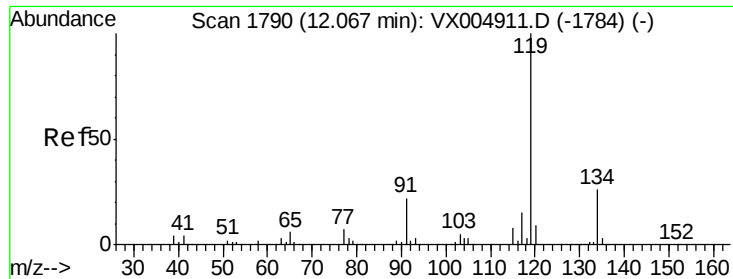
Tgt Ion: 91 Resp: 253202

Ion Ratio Lower Upper

91 100

126 30.5 0.0 61.0





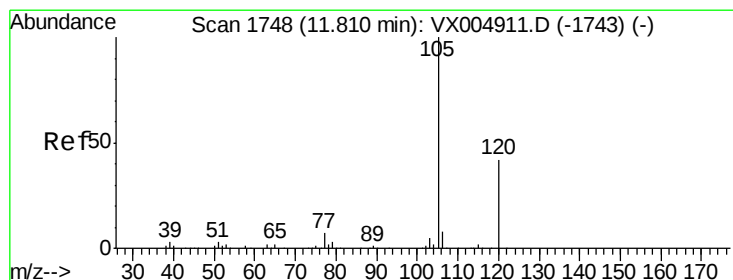
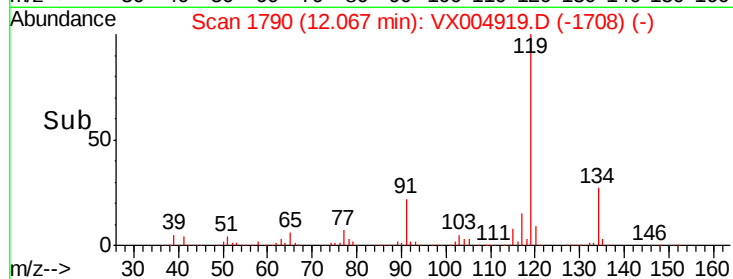
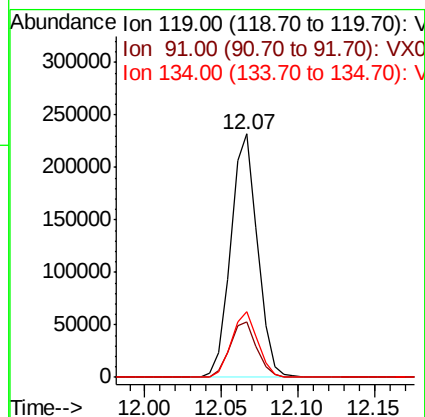
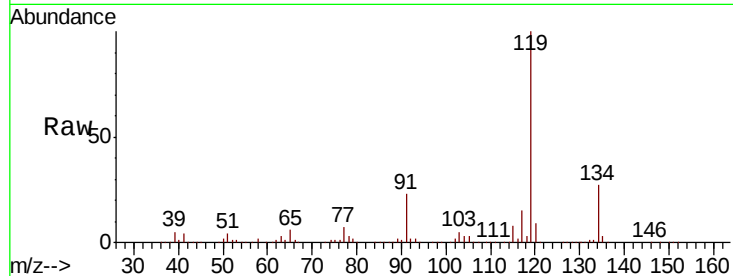
#79
tert-butylbenzene
Concen: 19.718 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Resp Lower	Upper
119	100		
91	23.1	0.0	45.8
134	26.5	0.0	52.8

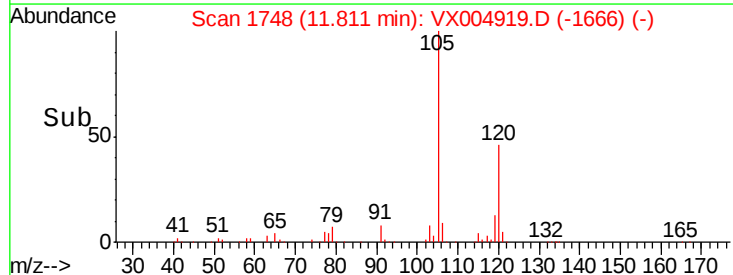
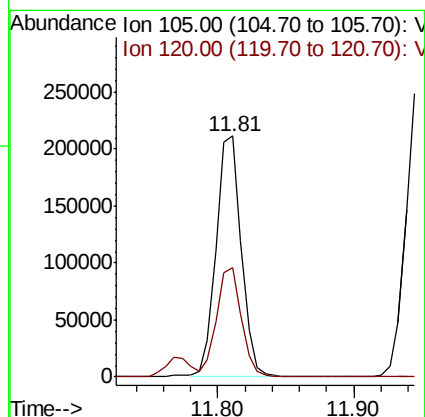
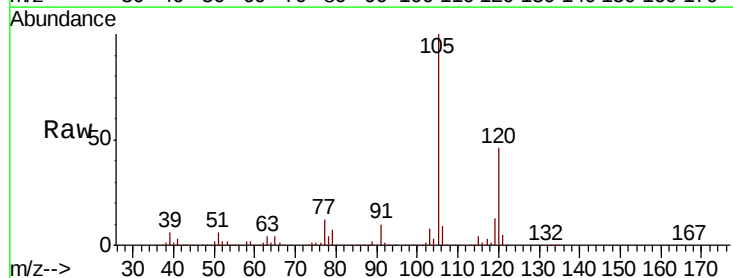
Manual Integrations
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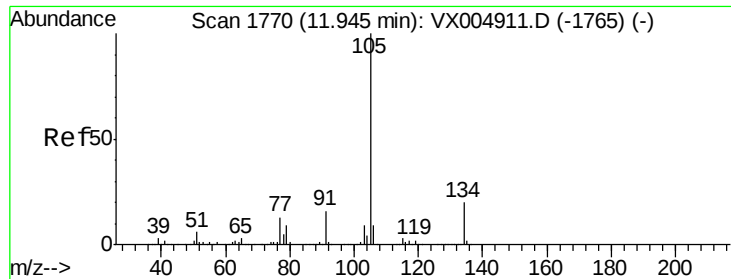
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.827 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
120	44.6	0.0	90.6





#81

sec-Butylbenzene

Concen: 19.974 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion:105 Resp: 315905

Ion Ratio Lower Upper

105 100

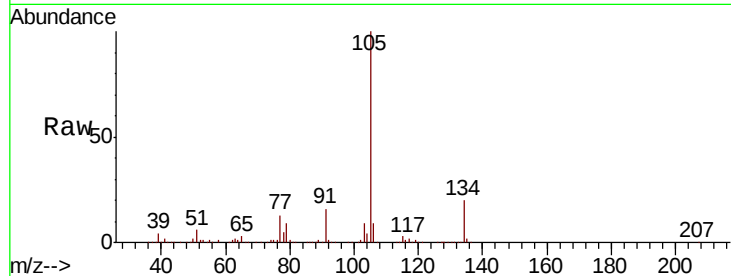
134 20.2 0.0 40.4

Manual Integrations

APPROVED

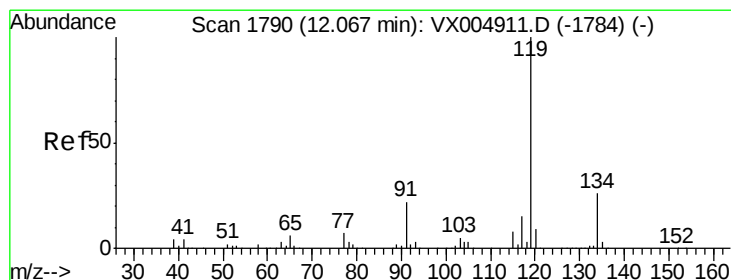
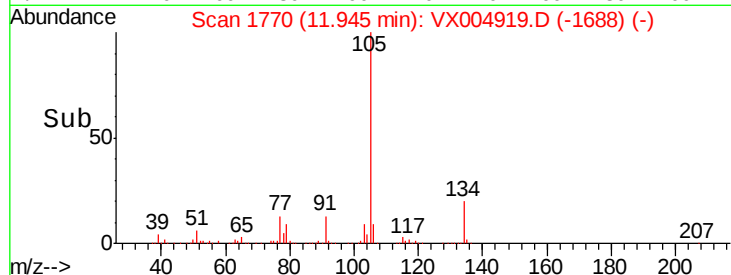
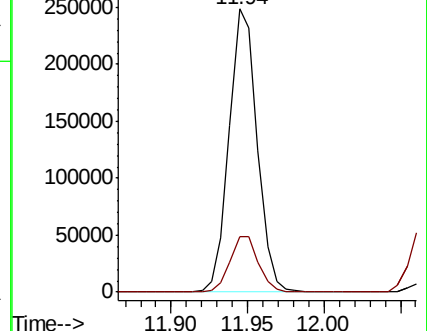
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.718 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

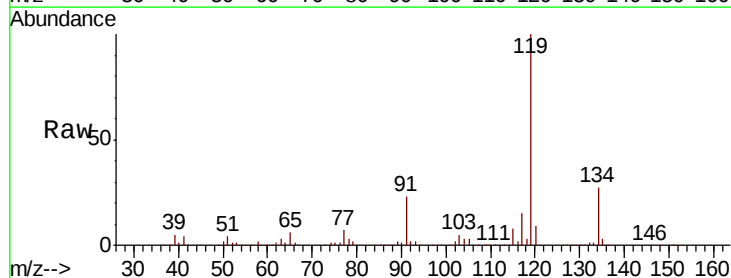
Tgt Ion:119 Resp: 280385

Ion Ratio Lower Upper

119 100

134 26.5 0.0 52.8

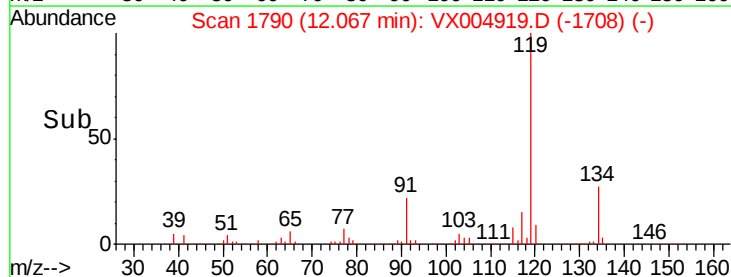
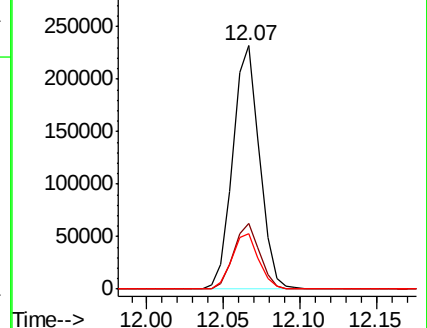
91 23.1 0.0 45.8

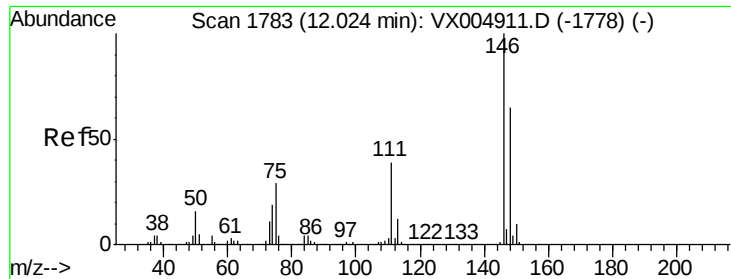


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





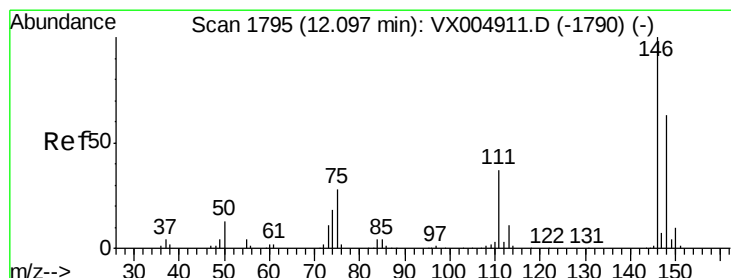
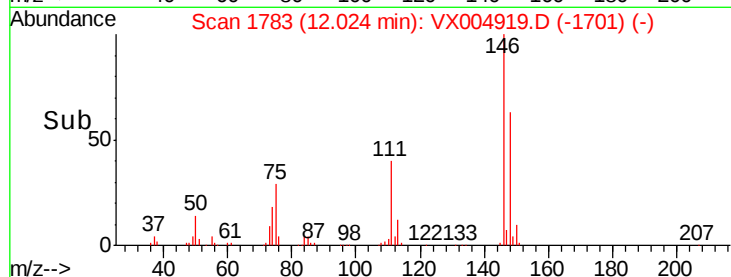
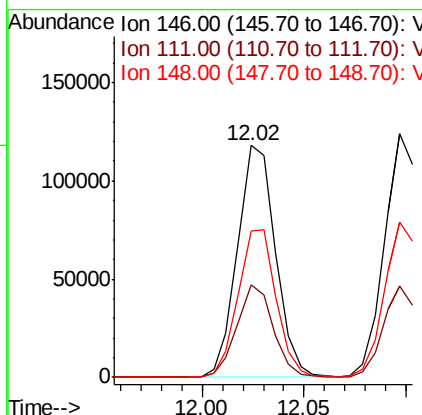
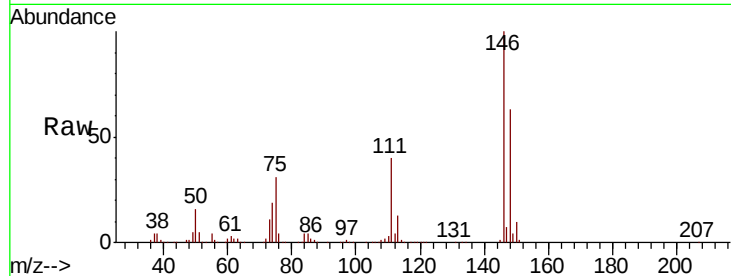
#83
 1,3-Dichlorobenzene
 Concen: 19.378 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.8
148	64.1	32.4	97.2

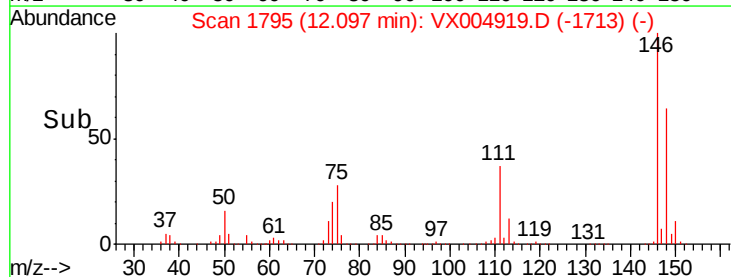
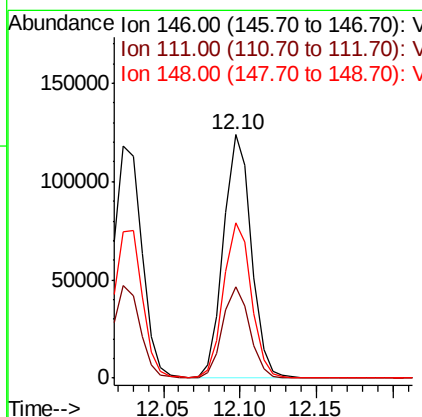
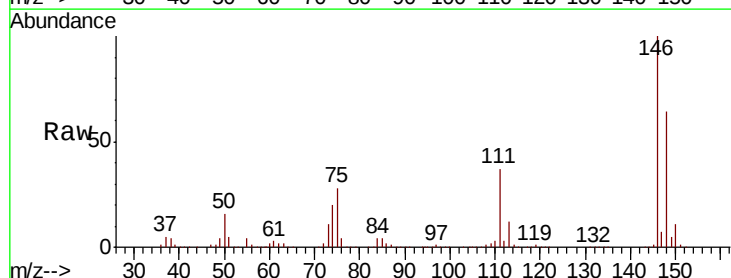
Manual Integrations
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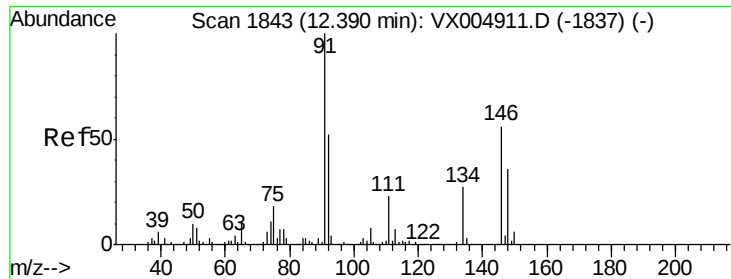
MMDadoda
 10/3/2018 4:23:28 PM



#84
 1,4-Dichlorobenzene
 Concen: 19.481 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004919.D
 Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.1	54.4
148	64.1	31.9	95.7





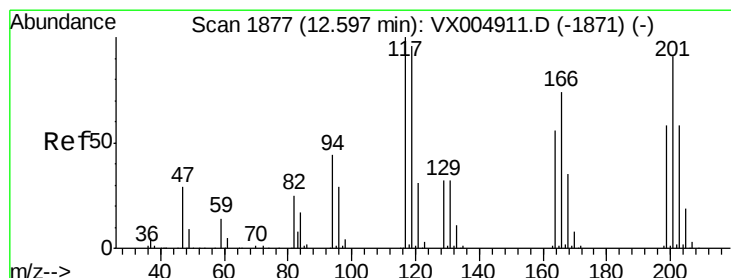
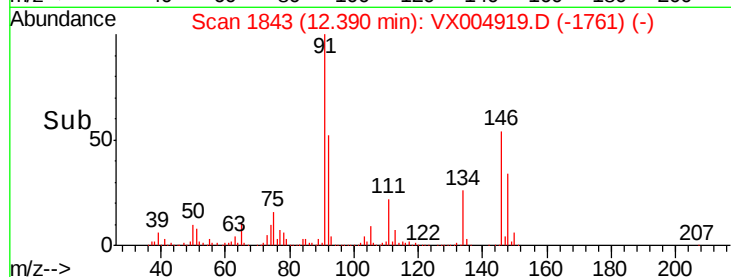
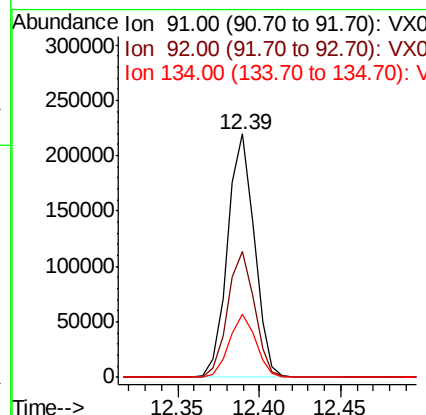
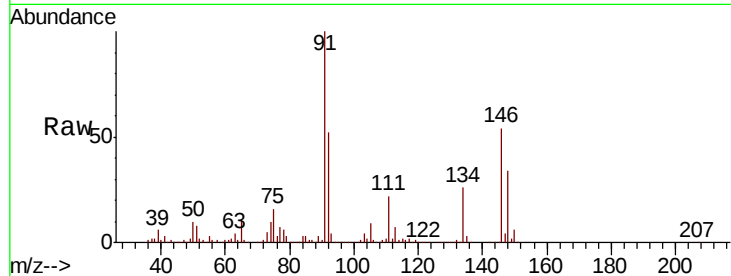
#85
n-Butylbenzene
Concen: 19.448 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	251171		
92	52.0		0.0	103.6
134	25.9		0.0	52.2

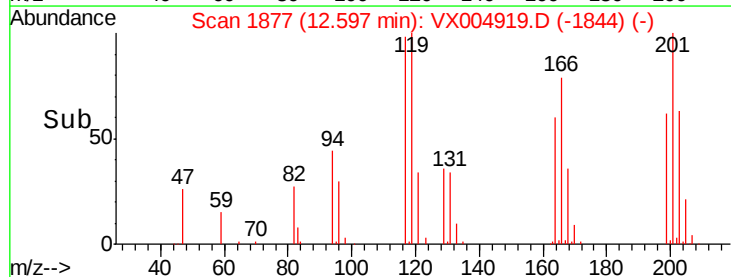
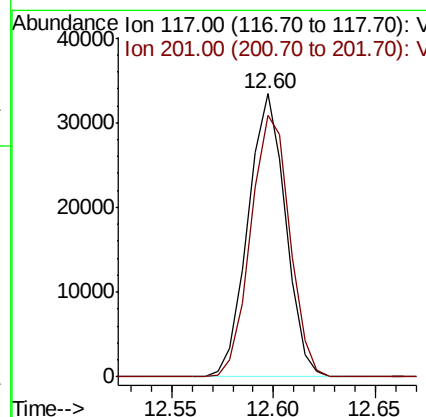
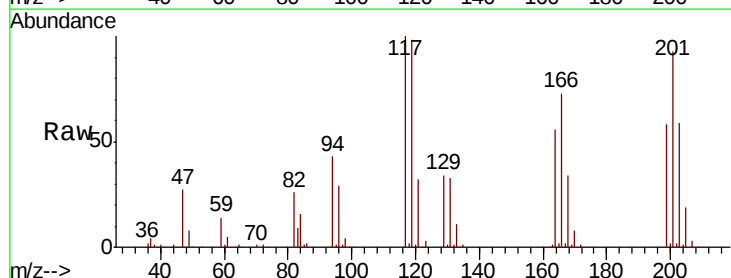
Manual Integrations
APPROVED

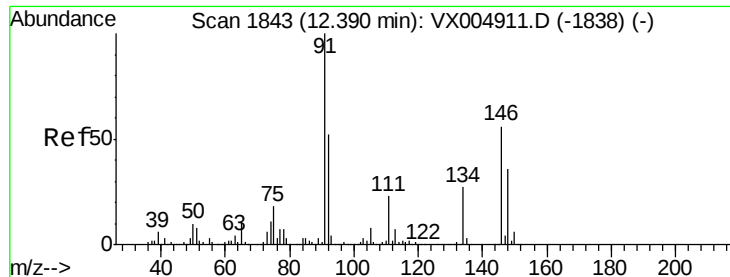
MMDadoda
10/3/2018 4:23:28 PM



#86
Hexachloroethane
Concen: 18.272 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42798		
201	95.9		47.1	141.4





#87

1,2-Dichlorobenzene

Concen: 19.155 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

Instrument :

MSVOA_X

ClientSampleId :

VX1002WBSD01

Tot Ion: 146 Resp: 153698

Ion Ratio Lower Upper

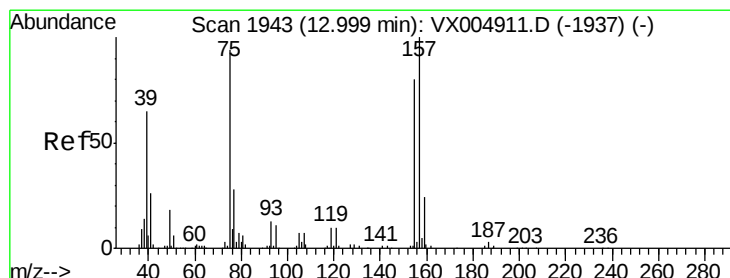
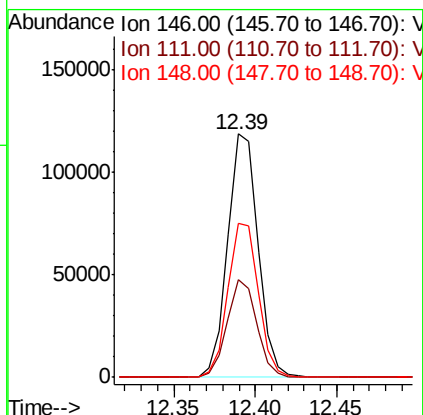
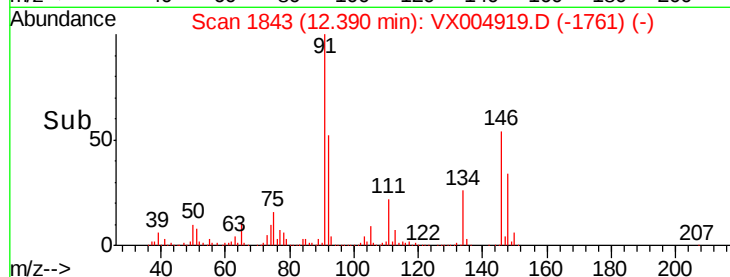
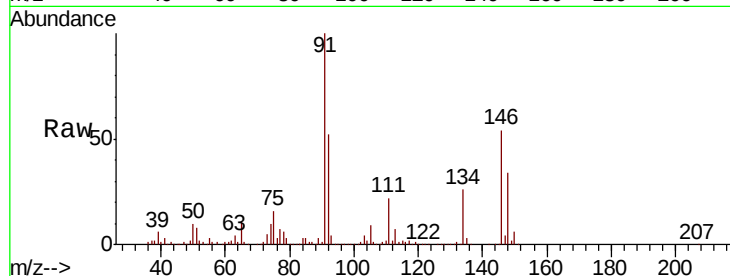
146 100

111 39.1 19.6 58.7

148 63.5 31.9 95.9

Manual Integrations
APPROVED

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.793 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX004919.D

Acq: 02 Oct 2018 15:12

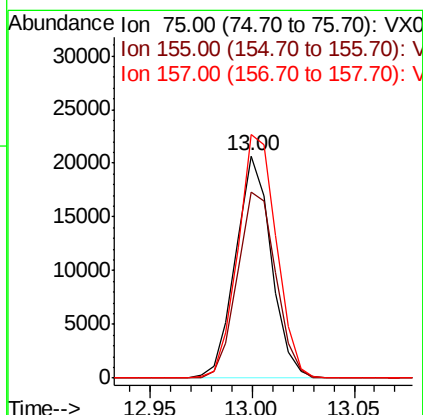
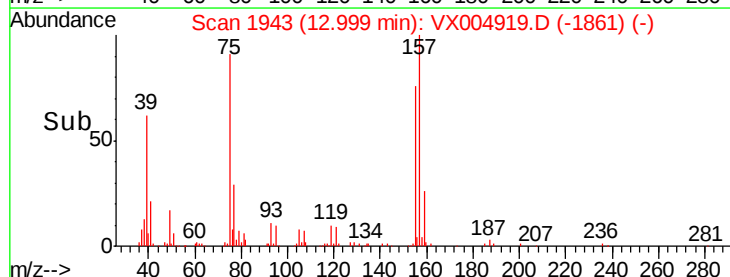
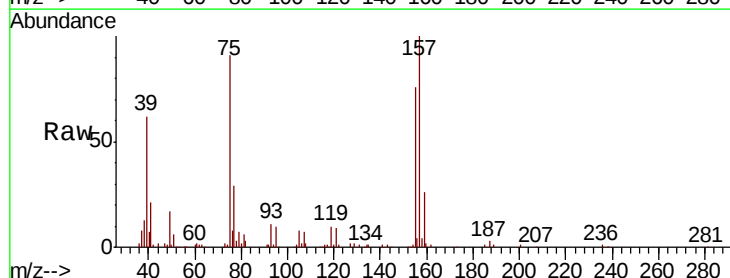
Tgt Ion: 75 Resp: 25048

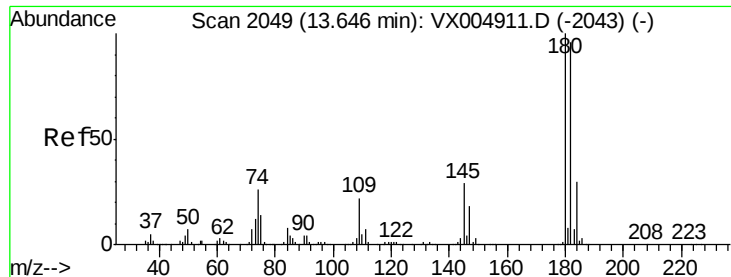
Ion Ratio Lower Upper

75 100

155 90.2 71.6 107.4

157 117.9 91.3 136.9





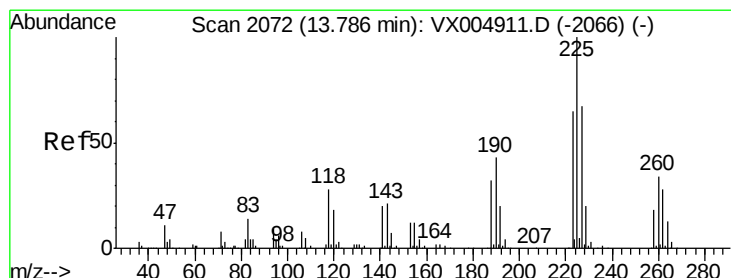
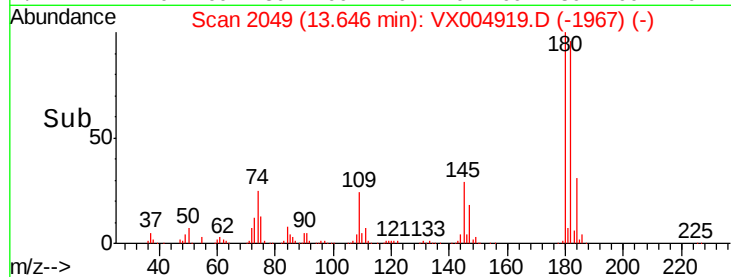
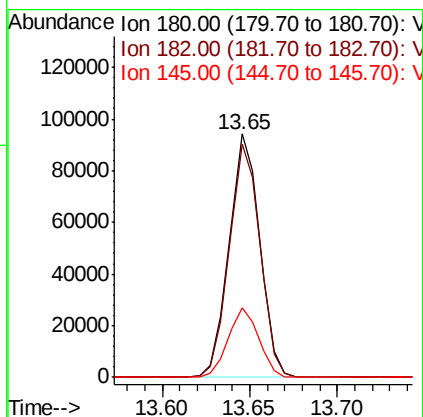
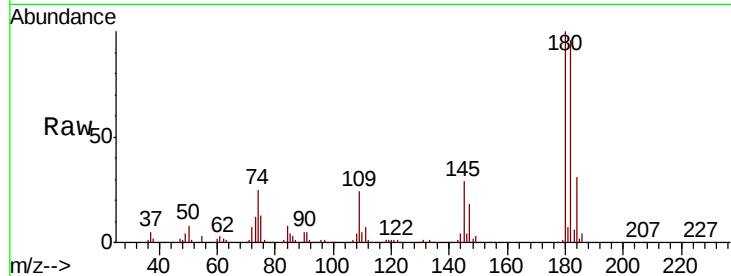
#89
1,2,4-Trichlorobenzene
Concen: 19.222 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115058		
182	96.1	76.8	115.2	
145	28.5	22.6	33.8	

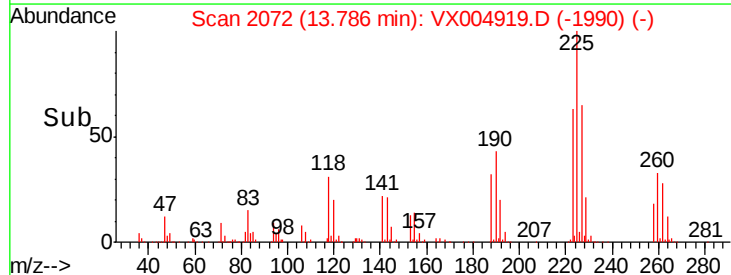
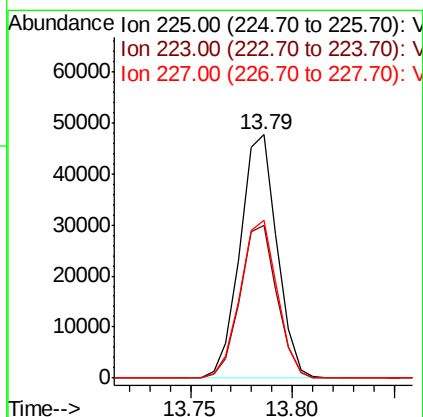
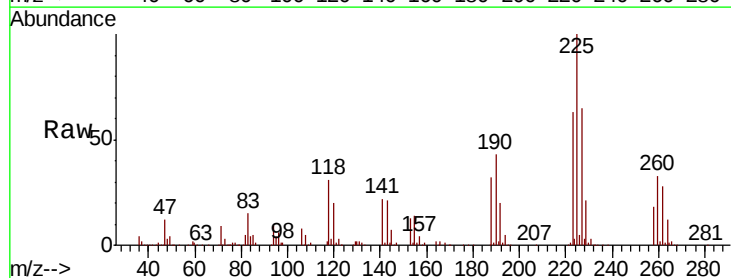
Manual Integrations
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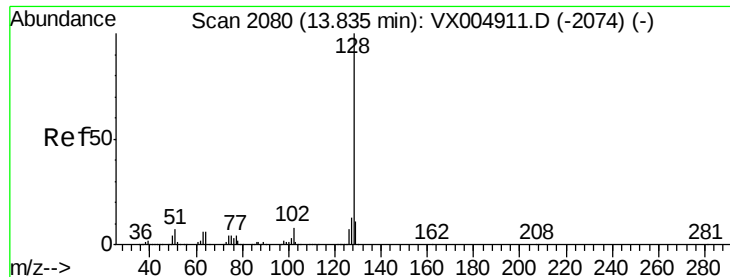
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#90
Hexachlorobutadiene
Concen: 20.291 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59961		
223	62.5	0.0	126.6	
227	64.8	0.0	129.6	





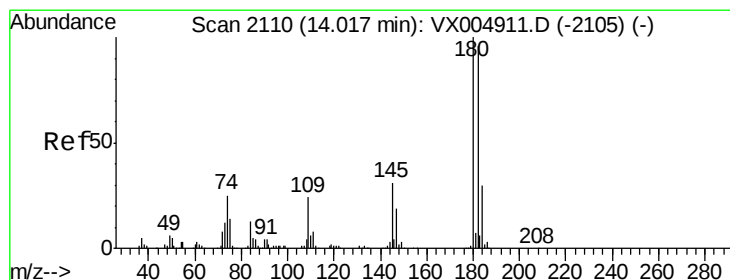
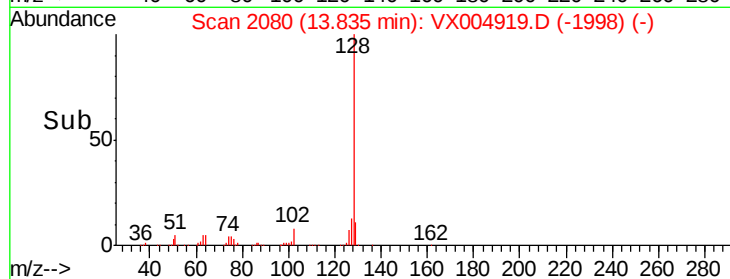
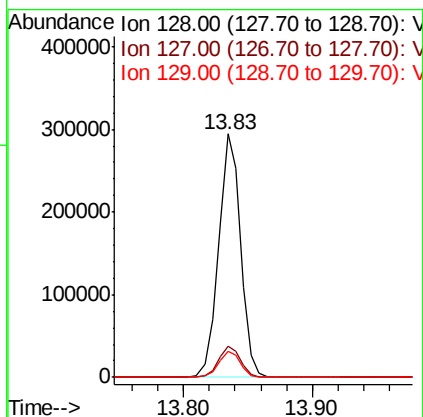
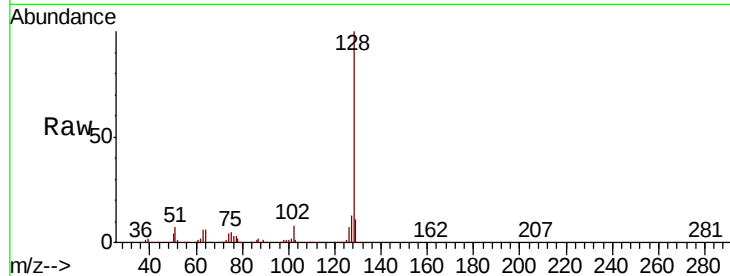
#91
Naphthalene
Concen: 19.004 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Instrument :
MSVOA_X
ClientSampleId :
VX1002WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
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10/3/2018 4:23:28 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.975 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX004919.D
Acq: 02 Oct 2018 15:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	0.0	192.2
145	29.7	0.0	60.4

