

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO090319\
 Data File : VX012022.D
 Acq On : 03 Sep 2019 14:34
 Operator : SY/SP
 Sample : VSTDIC100
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

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 9/4/2019 4:46:24 PM

Quant Time: Sep 03 14:57:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 12:11:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	145209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	263904	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112025	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	199234	155.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.52%	
35) Dibromofluoromethane	5.48	113	162945	94.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.32%	
50) Toluene-d8	8.71	98	602243	98.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.62%	
62) 4-Bromofluorobenzene	11.14	95	256405	97.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	135198	154.253	ug/l	96
3) Chloromethane	1.31	50	142766	163.892	ug/l	98
4) Vinyl Chloride	1.39	62	137678	155.595	ug/l	98
5) Bromomethane	1.62	94	58835	93.781	ug/l	95
6) Chloroethane	1.70	64	82604	147.596	ug/l	97
7) Trichlorofluoromethane	1.91	101	207725	129.323	ug/l	99
8) Diethyl Ether	2.17	74	71696	146.792	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.37	101	153997	150.546	ug/l #	84
10) Methyl Iodide	2.50	142	158177	154.784	ug/l	94
11) Tert butyl alcohol	3.03	59	98110	925.503	ug/l	97
12) 1,1-Dichloroethene	2.36	96	152008	162.867	ug/l	93
13) Acrolein	2.28	56	24103	621.051	ug/l	97
14) Allyl chloride	2.71	41	279845	174.950	ug/l	99
15) Acrylonitrile	3.12	53	231604	926.855	ug/l	99
16) Acetone	2.43	43	248098	985.137	ug/l	100
17) Carbon Disulfide	2.55	76	480699	182.557	ug/l	100
18) Methyl Acetate	2.76	43	118992	182.334	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	486019	174.679	ug/l	100
20) Methylene Chloride	2.84	84	180927	159.053	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	177711	160.179	ug/l	94
22) Diisopropyl ether	3.84	45	543004	168.802	ug/l	99
23) Vinyl Acetate	3.80	43	1838590	909.007	ug/l	99
24) 1,1-Dichloroethane	3.68	63	316986	168.969	ug/l	99
25) 2-Butanone	4.65	43	334030	973.594	ug/l	99
26) 2,2-Dichloropropane	4.56	77	288610	165.854	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	203825	159.905	ug/l	93
28) Bromochloromethane	5.00	49	112401	145.785	ug/l	82
29) Tetrahydrofuran	5.11	42	199661	946.253	ug/l	99
30) Chloroform	5.20	83	335649	163.004	ug/l	98
31) Cyclohexane	5.56	56	253280	162.058	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	301236	157.241	ug/l	97
36) 1,1-Dichloropropene	5.79	75	247312	122.470	ug/l	96
37) Ethyl Acetate	4.82	43	141592	140.068	ug/l	100
38) Carbon Tetrachloride	5.77	117	261560	106.517	ug/l	100

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	279520	113.997	ug/l	95
40) Benzene	6.13	78	705925	121.038	ug/l	99
41) Methacrylonitrile	5.03	41	84043	137.952	ug/l	98
42) 1,2-Dichloroethane	6.18	62	255577	129.357	ug/l	97
43) Isopropyl Acetate	6.43	43	284511	136.161	ug/l	99
44) Trichloroethene	7.20	130	188494	97.309	ug/l	84
45) 1,2-Dichloropropane	7.51	63	178986	121.959	ug/l	99
46) Dibromomethane	7.65	93	106289	120.824	ug/l #	74
47) Bromodichloromethane	7.89	83	267712	120.552	ug/l	99
48) Methyl methacrylate	7.76	41	142514	138.317	ug/l	98
49) 1,4-Dioxane	7.73	88	38474	2661.637	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	703881	670.274	ug/l	99
52) Toluene	8.78	92	455265	115.209	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	280263	124.674	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	312206	123.388	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	148720	115.804	ug/l	98
56) Ethyl methacrylate	9.17	69	221049	129.611	ug/l	97
57) 1,3-Dichloropropane	9.37	76	259636	123.102	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	455447	587.658	ug/l	93
59) 2-Hexanone	9.49	43	515922	690.128	ug/l	99
60) Dibromochloromethane	9.57	129	182626	102.297	ug/l	99
61) 1,2-Dibromoethane	9.67	107	147782	115.531	ug/l	97
64) Tetrachloroethene	9.33	164	152362	77.235	ug/l #	86
65) Chlorobenzene	10.14	112	482821	106.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	181940	100.199	ug/l	97
67) Ethyl Benzene	10.25	91	881751	115.348	ug/l	96
68) m/p-Xylenes	10.35	106	640744	213.461	ug/l	92
69) o-Xylene	10.70	106	310227	106.542	ug/l	90
70) Styrene	10.71	104	549625	110.015	ug/l	95
71) Bromoform	10.85	173	103528	82.174	ug/l #	97
73) Isopropylbenzene	11.01	105	848920	135.796	ug/l	97
74) N-amyl acetate	10.89	43	266262	170.809	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	183772	160.574	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	139080m	156.839	ug/l	
77) Bromobenzene	11.25	156	192769	105.463	ug/l	69
78) n-propylbenzene	11.35	91	1041702	148.078	ug/l	95
79) 2-Chlorotoluene	11.42	91	624097	149.852	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	737430	136.746	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.07	75	62755	166.945	ug/l	97
82) 4-Chlorotoluene	11.51	91	724529	144.981	ug/l	91
83) tert-Butylbenzene	11.77	119	695214	124.722	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	752491	137.690	ug/l	94
85) sec-Butylbenzene	11.94	105	859162	134.187	ug/l	94
86) p-Isopropyltoluene	12.06	119	781606	124.682	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	373779	109.038	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	365561	107.333	ug/l	95
89) n-Butylbenzene	12.39	91	763242	140.586	ug/l	96
90) Hexachloroethane	12.59	117	159191	135.260	ug/l	56
91) 1,2-Dichlorobenzene	12.39	146	332641	107.486	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	12.99	75	38831	172.807	ug/l	67

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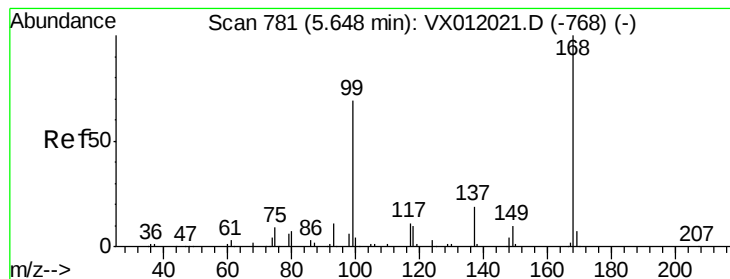
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	229127	85.091	ug/l	96
94) Hexachlorobutadiene	13.78	225	117699	62.562	ug/l	99
95) Naphthalene	13.83	128	528628	127.676	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	202127	85.370	ug/l	94

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



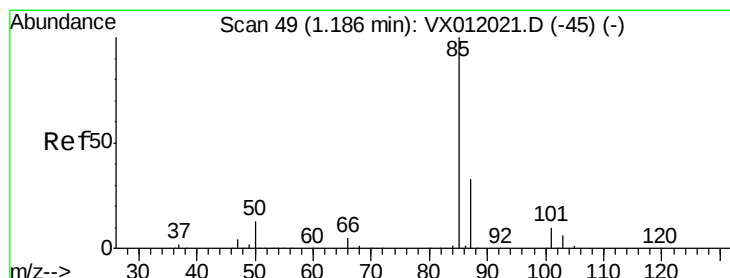
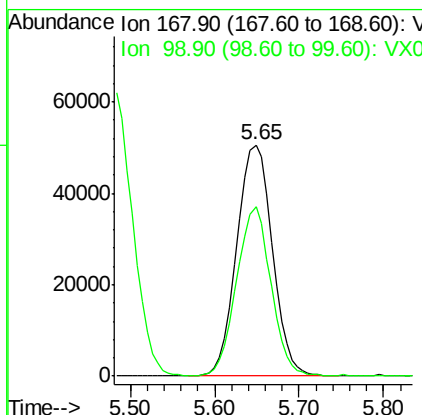
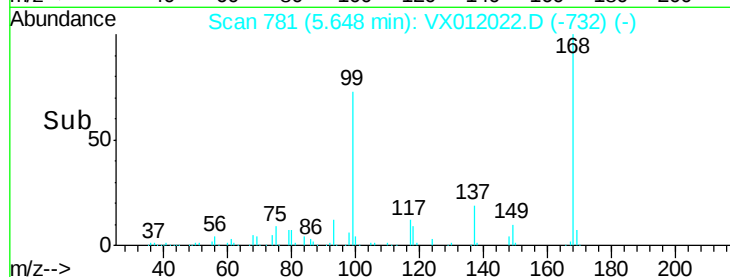
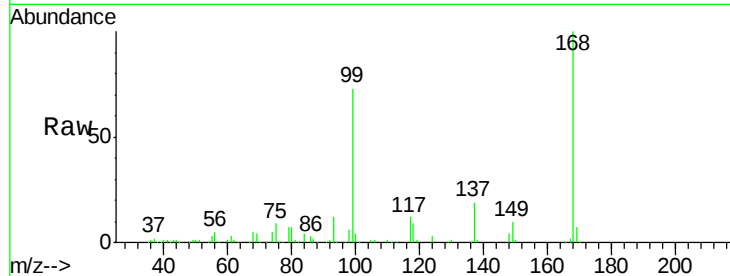
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:168 Resp: 145209
Ion Ratio Lower Upper
168 100
99 73.2 37.6 56.4#

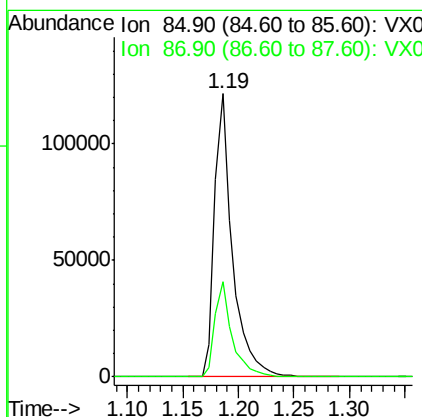
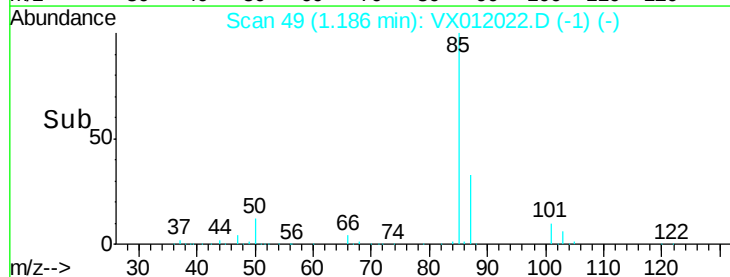
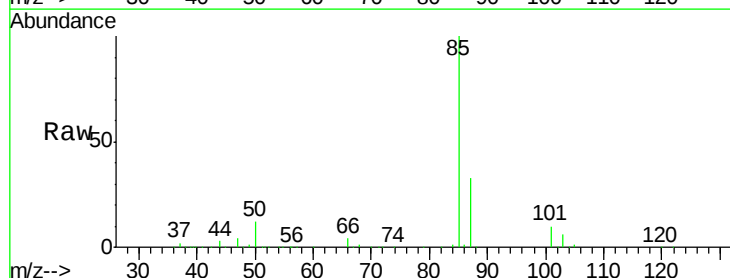
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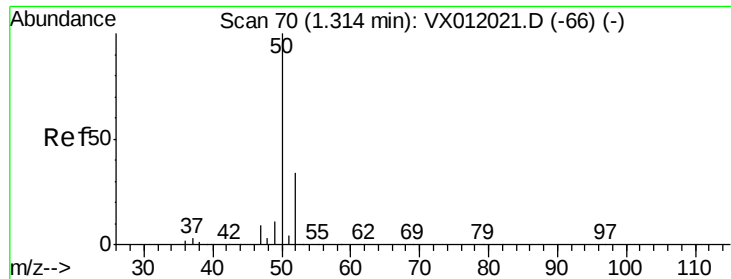
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#2
Dichlorodifluoromethane
Concen: 154.253 ug/l
RT: 1.19 min Scan# 49
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 85 Resp: 135198
Ion Ratio Lower Upper
85 100
87 33.4 15.6 46.8





#3

Chloromethane

Concen: 163.892 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 142766

Ion Ratio Lower Upper

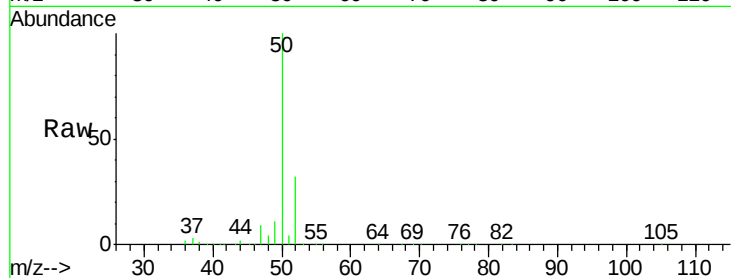
50 100

52 32.2 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

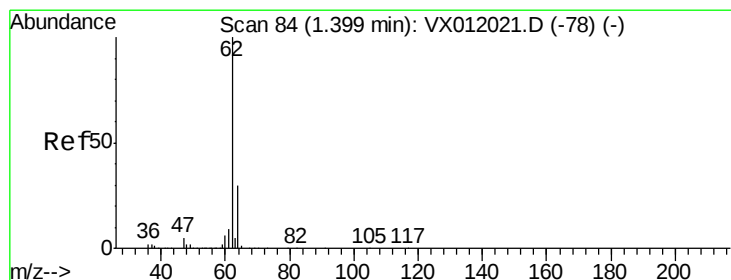
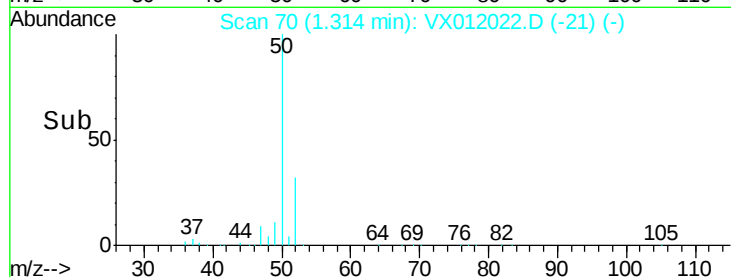
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 155.595 ug/l

RT: 1.39 min Scan# 83

Delta R.T. -0.00 min

Lab File: VX012022.D

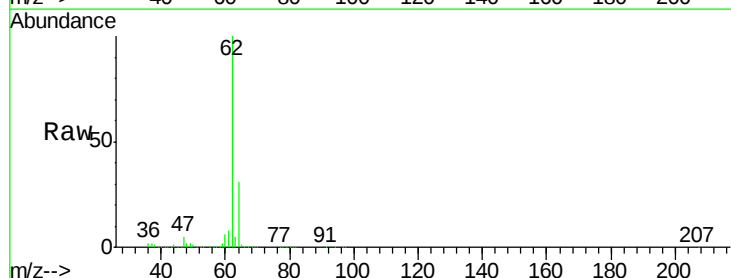
Acq: 03 Sep 2019 14:34

Tgt Ion: 62 Resp: 137678

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

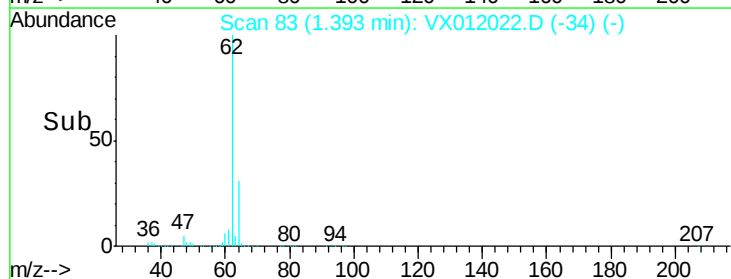
1.39

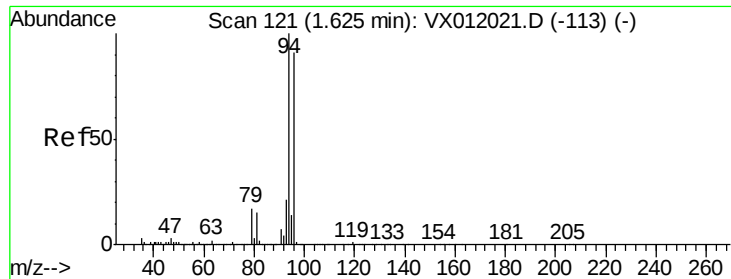
100000

50000

0

Time-->





#5

Bromomethane

Concen: 93.781 ug/l

RT: 1.62 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 58835

Ion Ratio Lower Upper

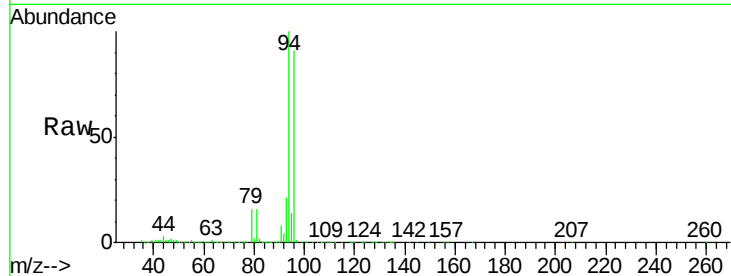
94 100

96 90.5 76.3 114.5

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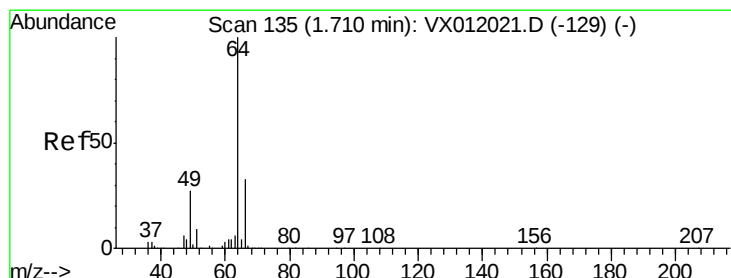
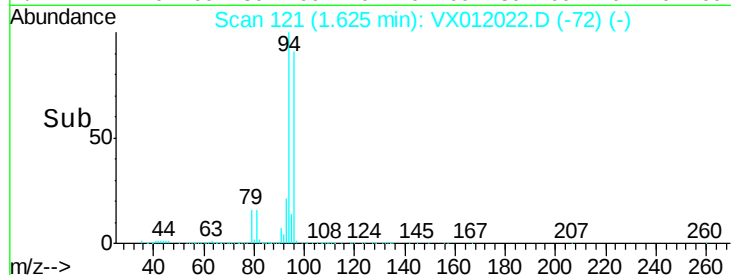
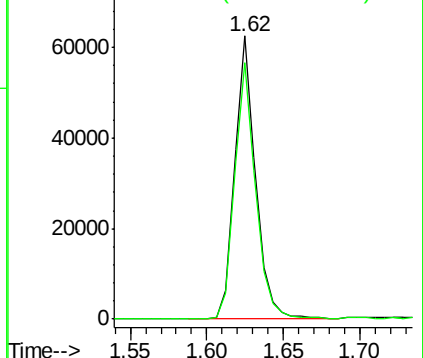
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 147.596 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012022.D

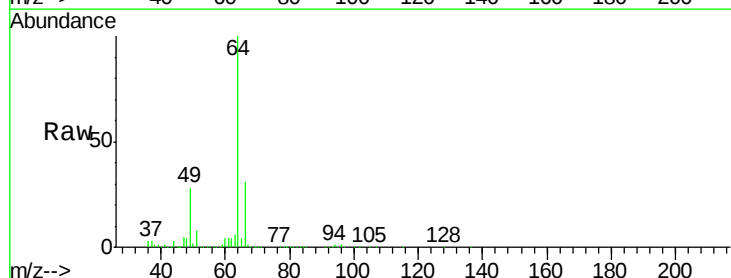
Acq: 03 Sep 2019 14:34

Tgt Ion: 64 Resp: 82604

Ion Ratio Lower Upper

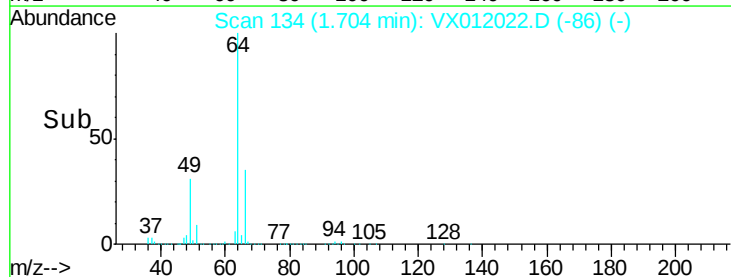
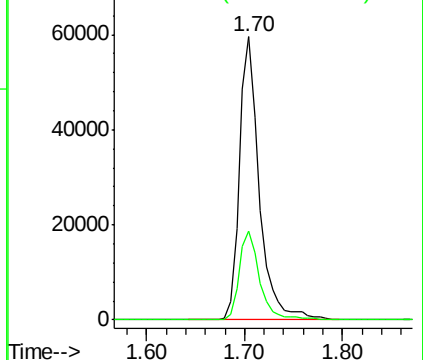
64 100

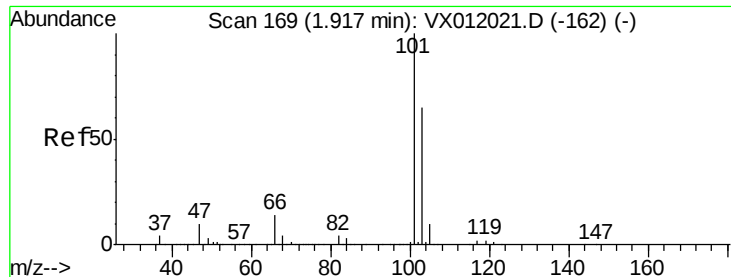
66 31.2 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

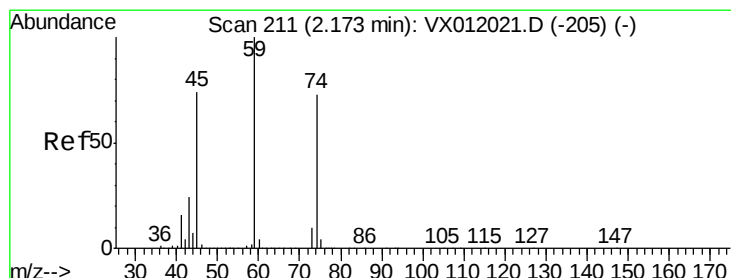
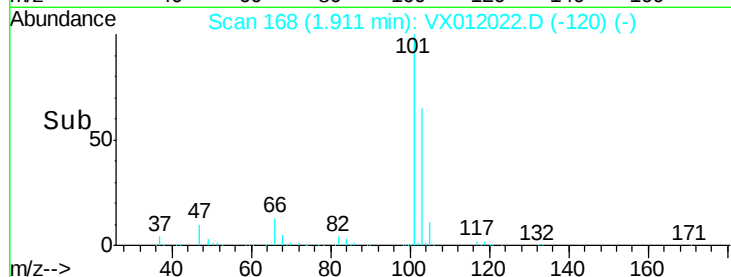
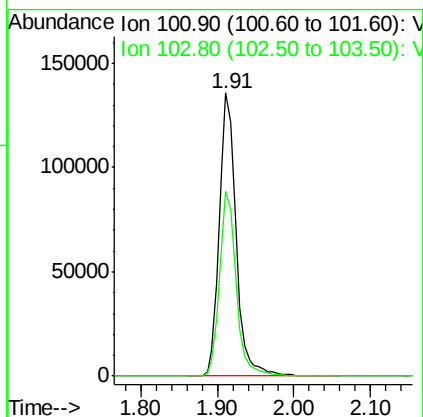
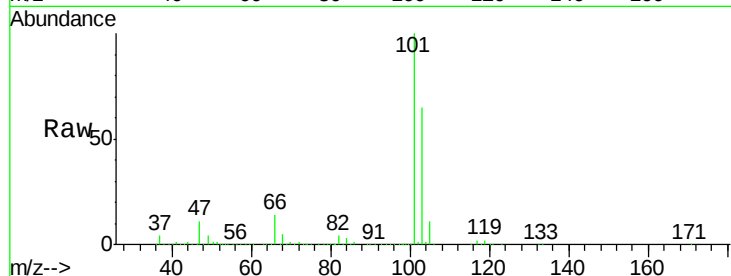
Trichlorofluoromethane
 Concen: 129.323 ug/l
 RT: 1.91 min Scan# 168
 Delta R.T. -0.01 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
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 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

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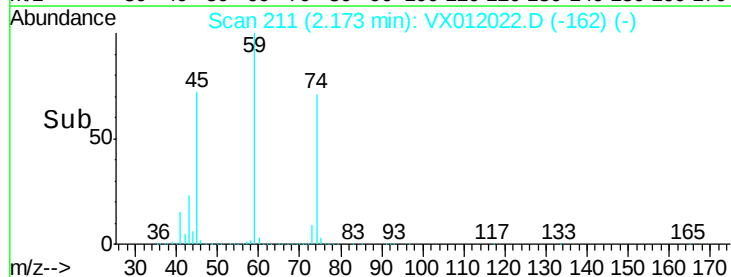
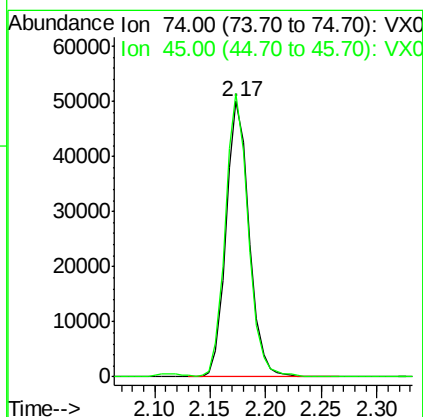
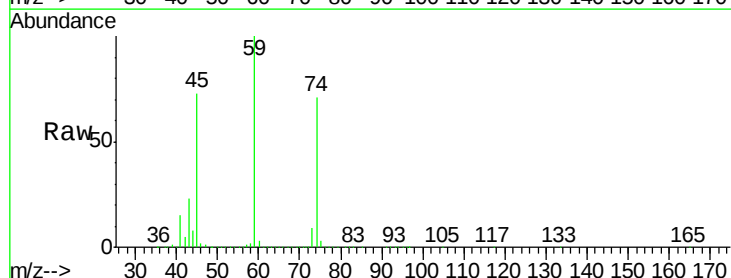
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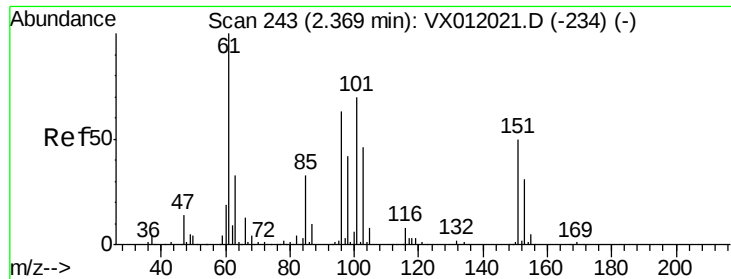


#8

Diethyl Ether
 Concen: 146.792 ug/l
 RT: 2.17 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 150.546 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion:101 Resp: 153997
Ion Ratio Lower Upper

101 100

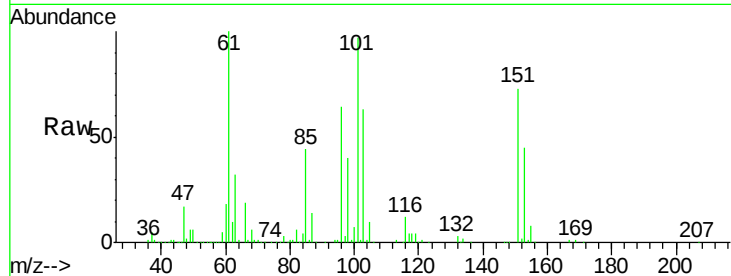
85 44.9 34.5 51.7

151 72.6 75.0 112.4#

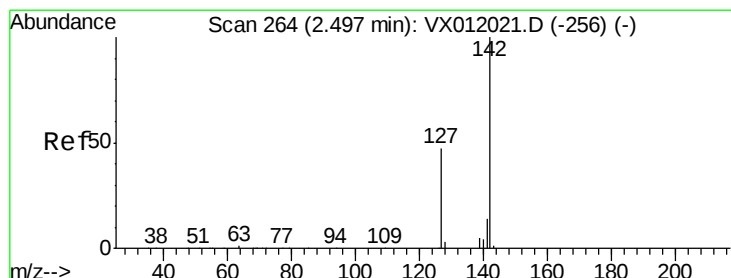
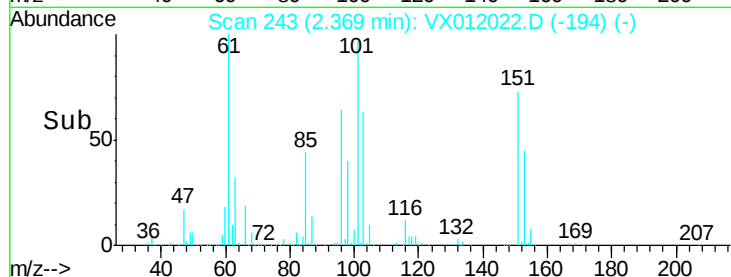
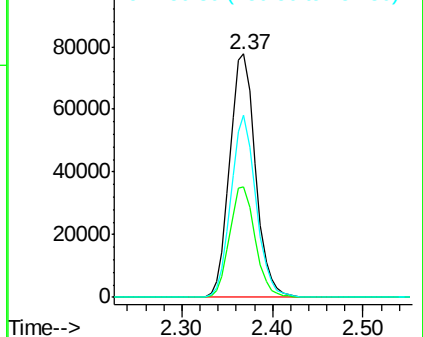
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 154.784 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012022.D

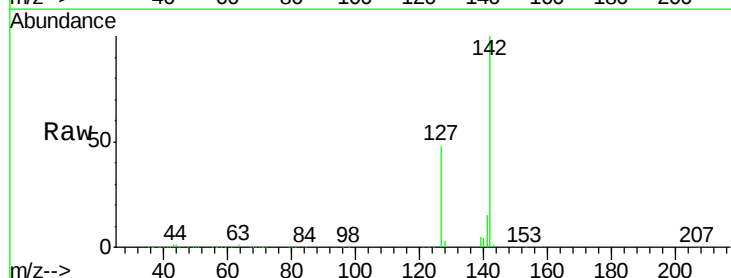
Acq: 03 Sep 2019 14:34

Tgt Ion:142 Resp: 158177
Ion Ratio Lower Upper

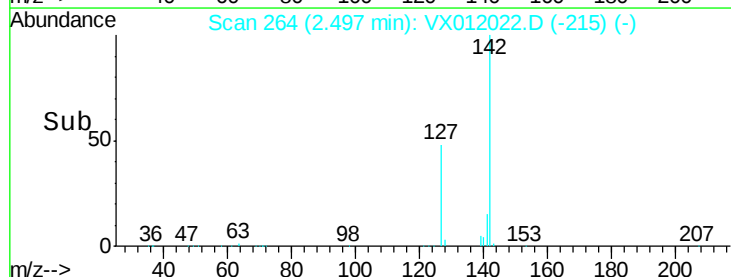
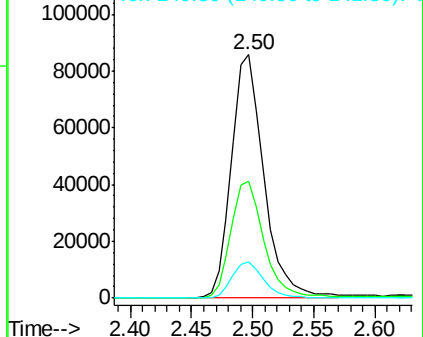
142 100

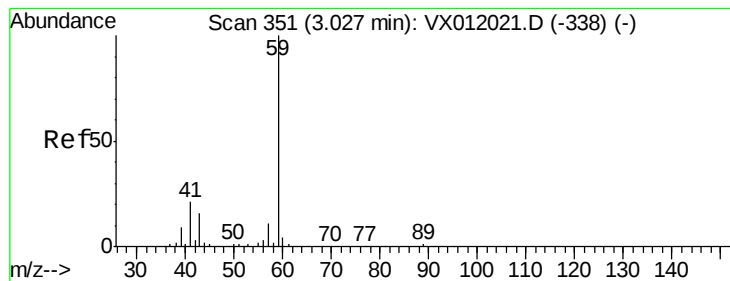
127 49.3 35.4 53.2

141 14.7 11.4 17.2



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





#11

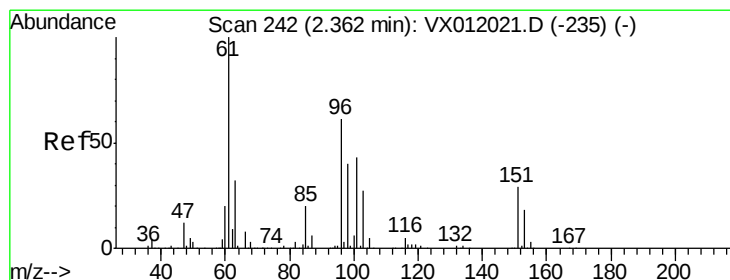
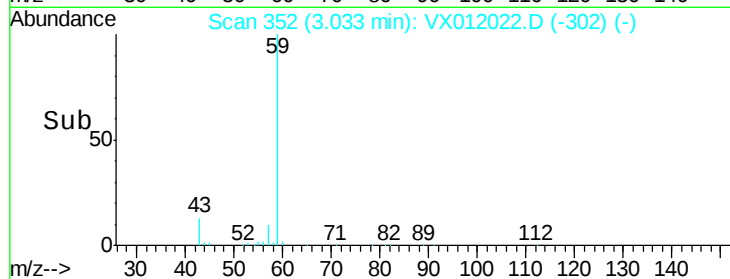
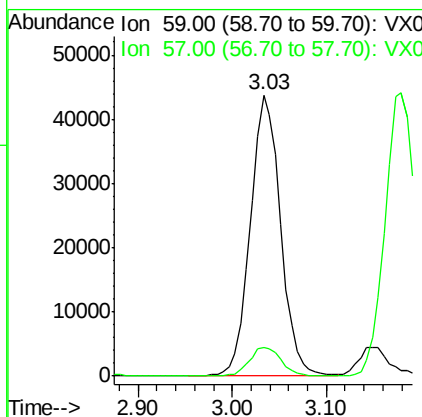
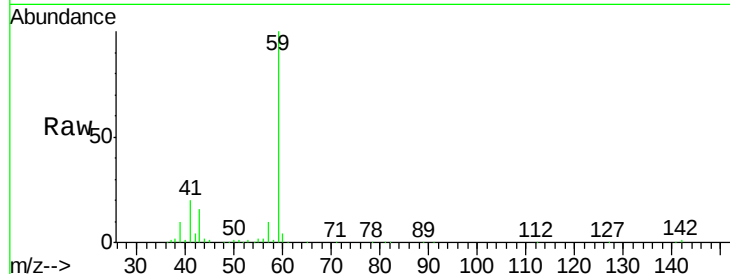
Tert butyl alcohol
 Concen: 925.503 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	7.9	11.9

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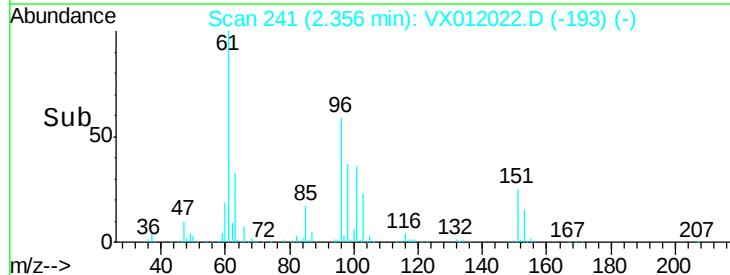
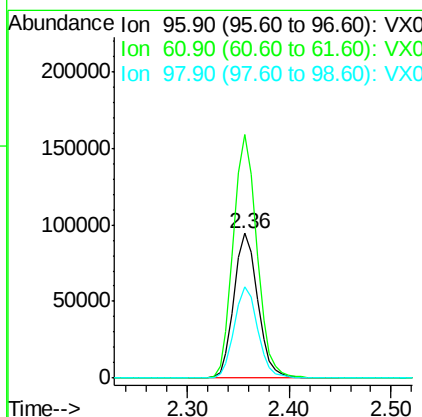
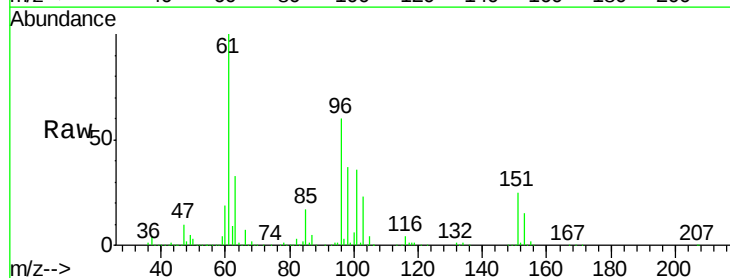
sam
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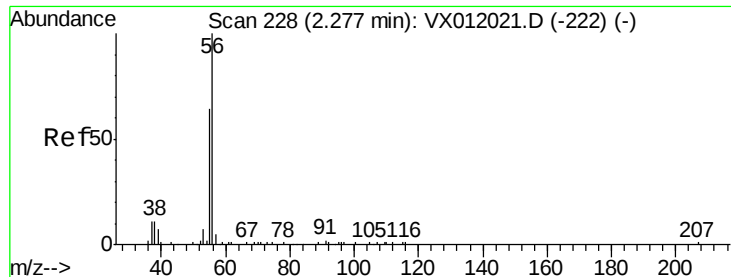


#12

1,1-Dichloroethene
 Concen: 162.867 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.1	124.1	186.1
98	62.6	50.2	75.2





#13

Acrolein

Concen: 621.051 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 24103

Ion Ratio Lower Upper

56 100

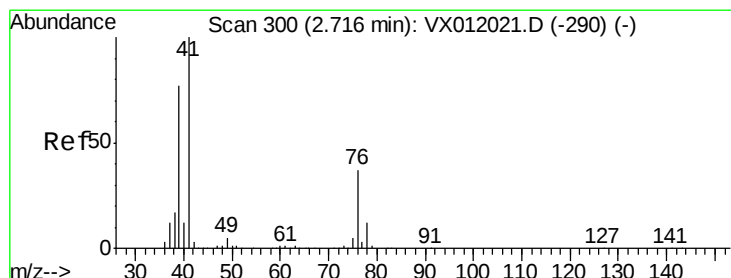
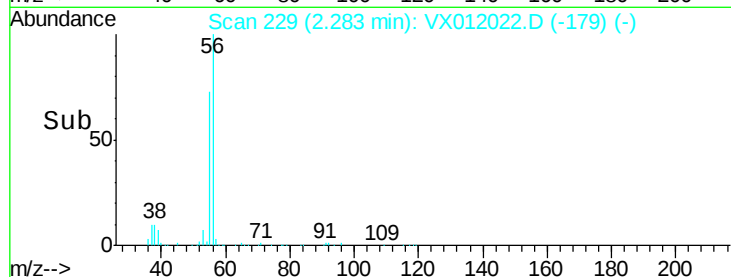
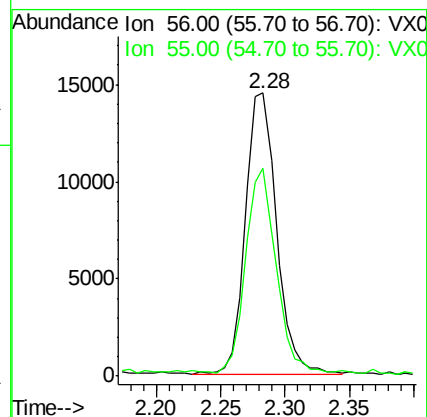
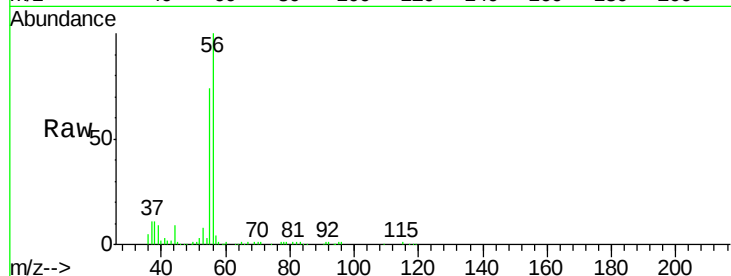
55 71.5 59.2 88.8

Manual Integrations

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#14

Allyl chloride

Concen: 174.950 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

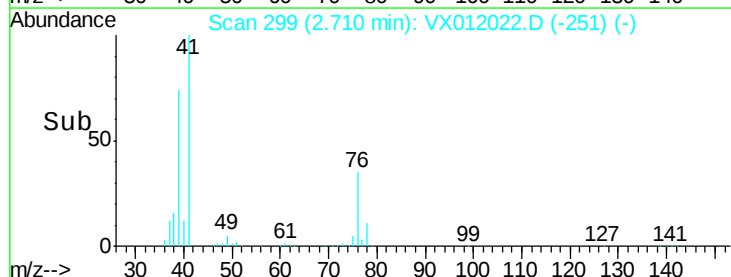
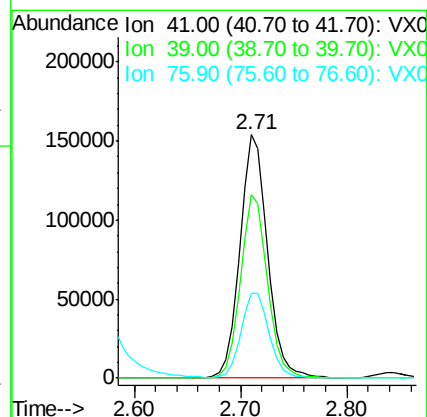
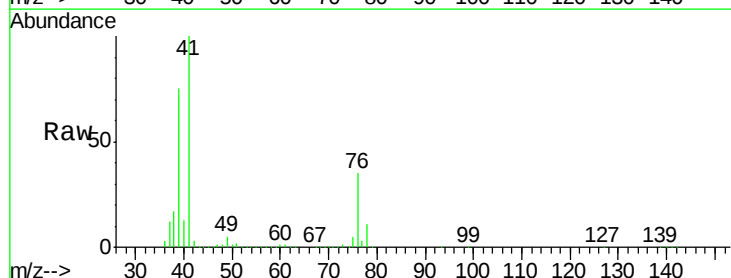
Tgt Ion: 41 Resp: 279845

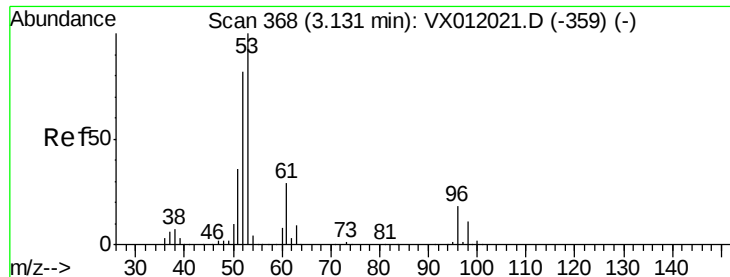
Ion Ratio Lower Upper

41 100

39 73.6 57.9 86.9

76 35.5 28.5 42.7





#15

Acrylonitrile

Concen: 926.855 ug/l

RT: 3.12 min Scan# 367

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

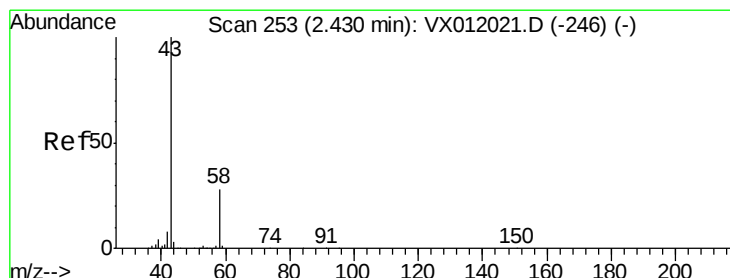
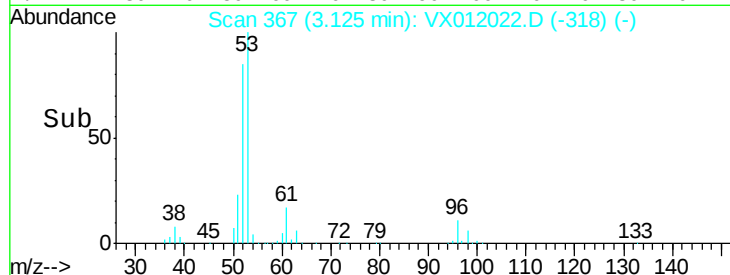
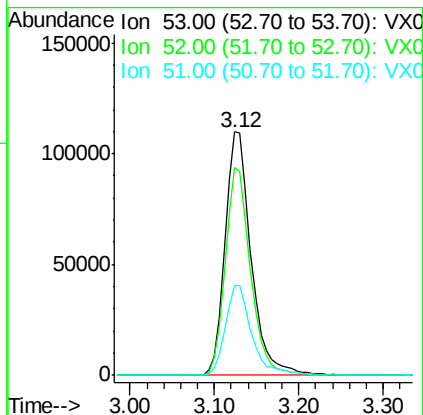
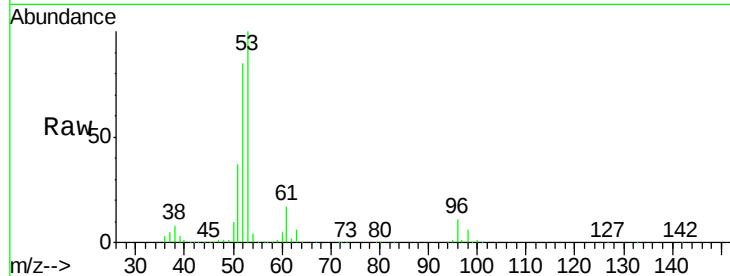
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	231604
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.6	98.4
51	37.6	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 985.137 ug/l

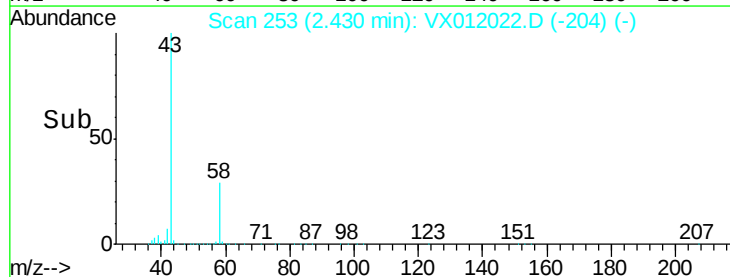
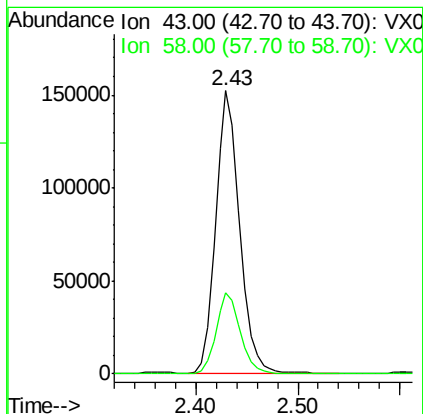
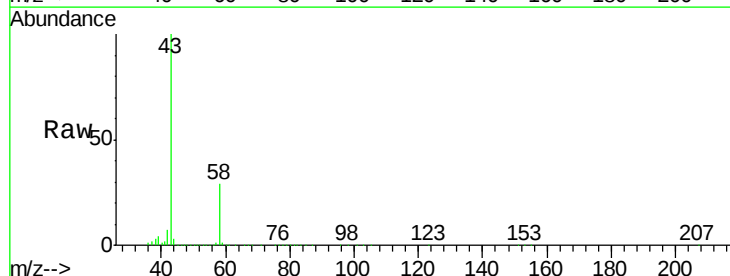
RT: 2.43 min Scan# 253

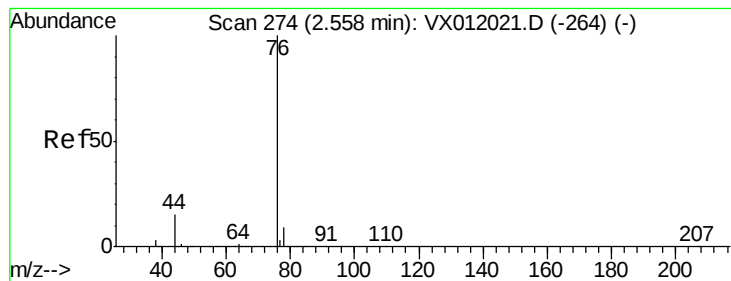
Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion:	43	Resp:	248098
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.8	34.2





#17

Carbon Disulfide

Concen: 182.557 ug/l

RT: 2.55 min Scan# 273

Delta R.T. -0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 480699

Ion Ratio Lower Upper

76 100

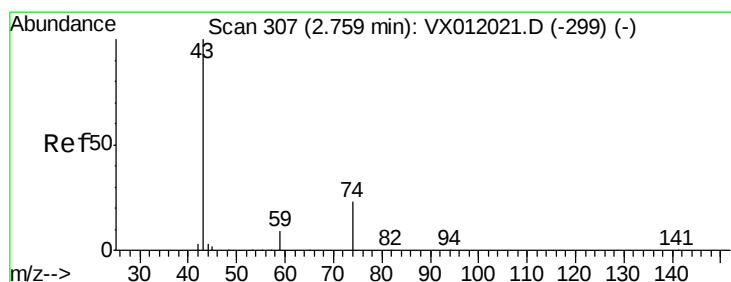
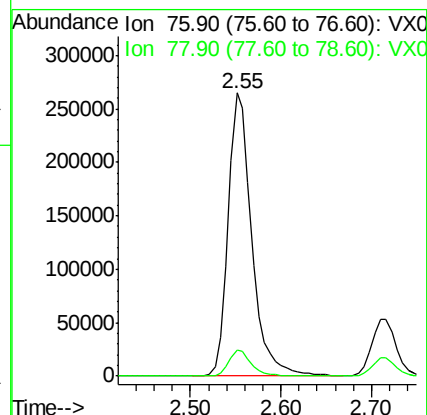
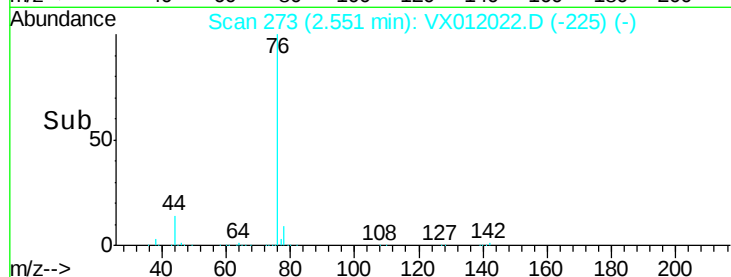
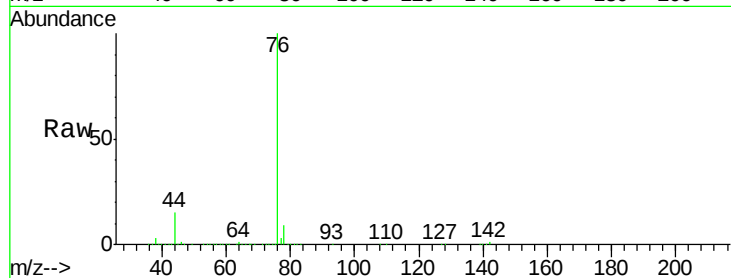
78 9.3 7.4 11.2

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#18

Methyl Acetate

Concen: 182.334 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.00 min

Lab File: VX012022.D

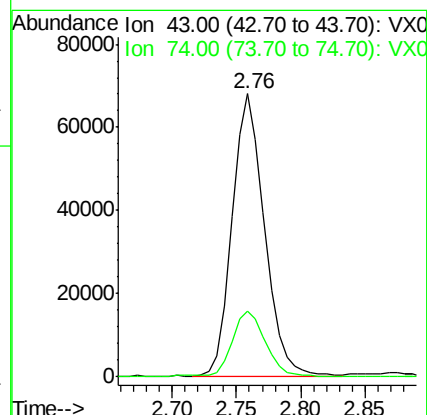
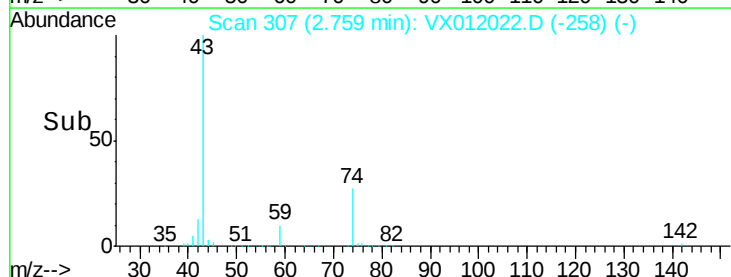
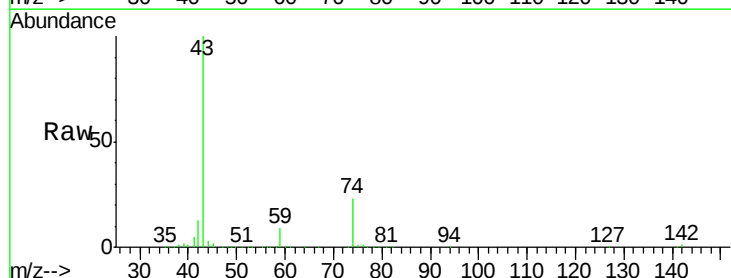
Acq: 03 Sep 2019 14:34

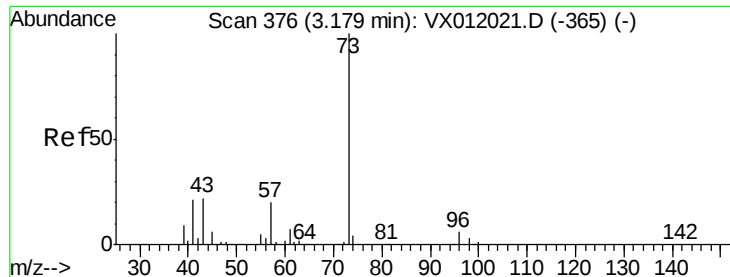
Tgt Ion: 43 Resp: 118992

Ion Ratio Lower Upper

43 100

74 24.5 19.5 29.3





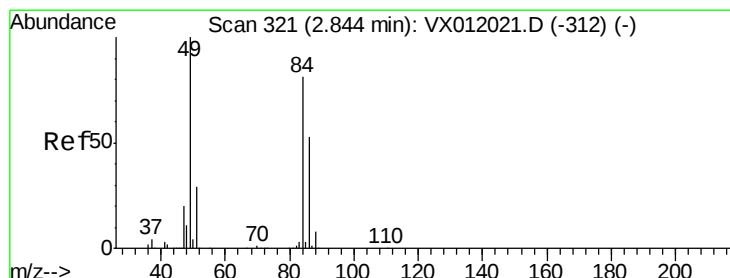
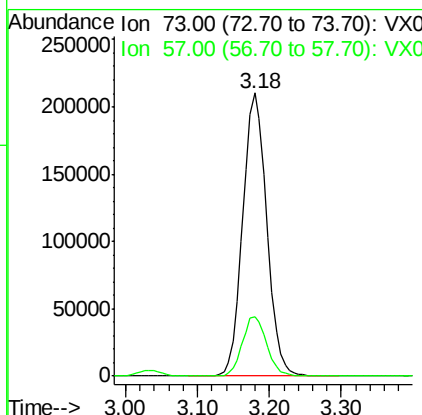
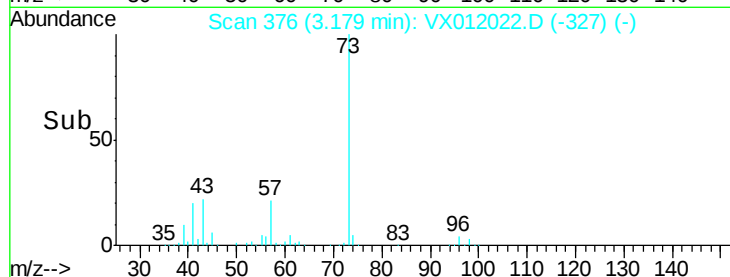
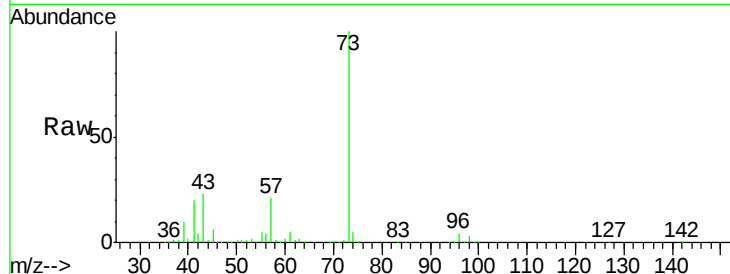
#19
Methvl tert-butvl Ether
Concen: 174.679 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 486019
Ion Ratio Lower Upper
73 100
57 20.9 16.6 25.0

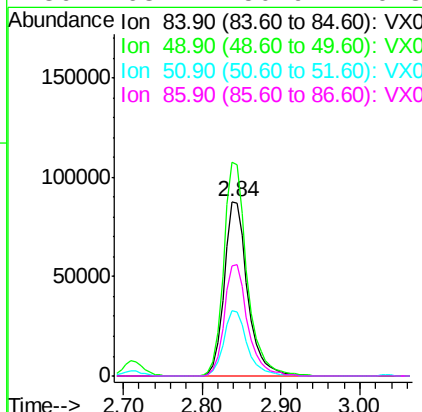
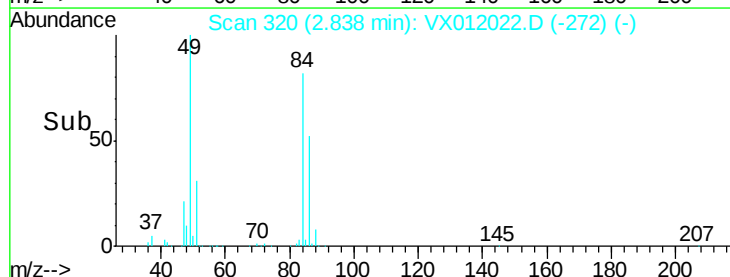
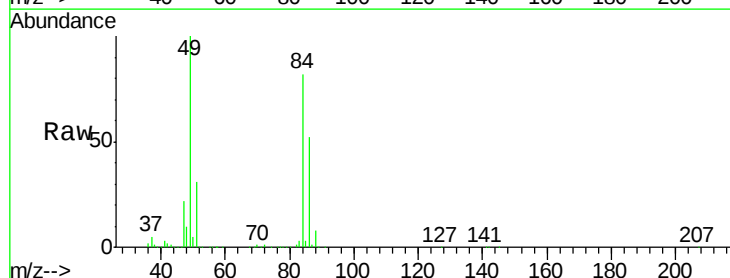
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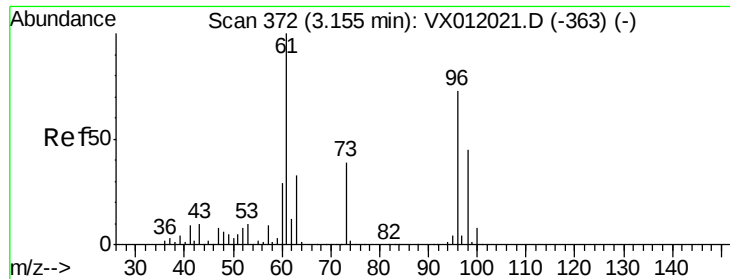
sam
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#20
Methylene Chloride
Concen: 159.053 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 84 Resp: 180927
Ion Ratio Lower Upper
84 100
49 122.3 95.8 143.8
51 37.7 28.6 43.0
86 63.4 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 160.179 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 177711

Ion Ratio Lower Upper

96 100

61 143.9 107.0 160.6

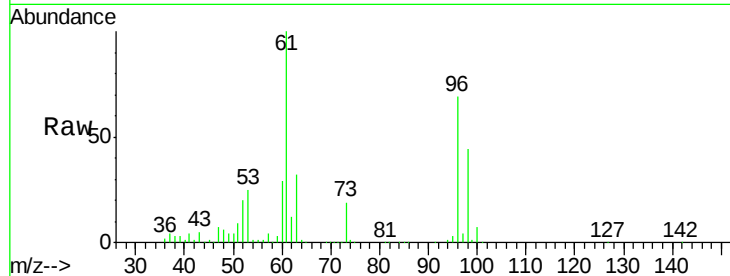
98 62.9 49.8 74.6

Manual Integrations

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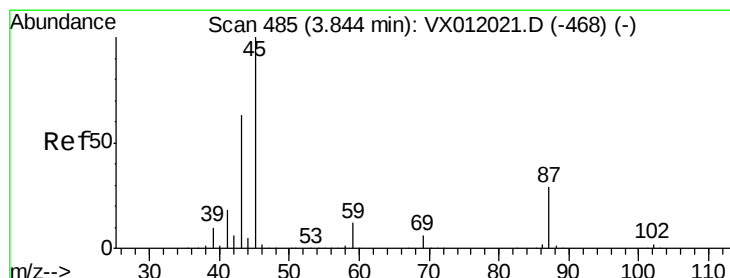
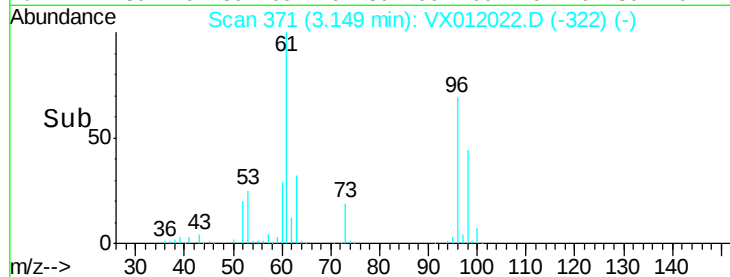
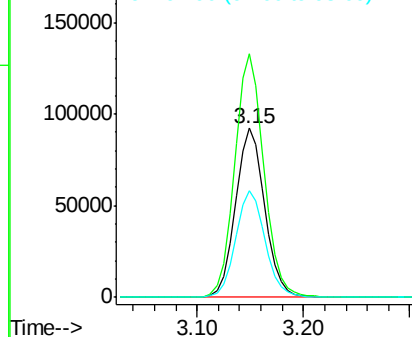
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 168.802 ug/l

RT: 3.84 min Scan# 484

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion: 45 Resp: 543004

Ion Ratio Lower Upper

45 100

43 68.0 54.2 81.4

87 27.6 23.4 35.0

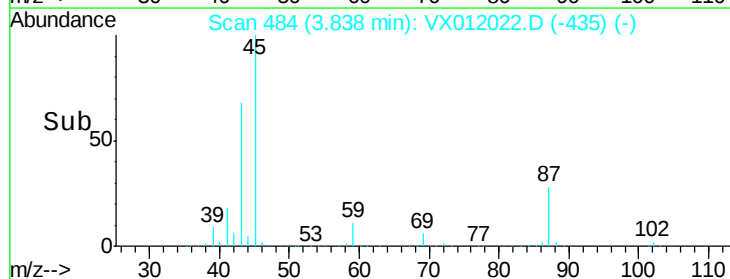
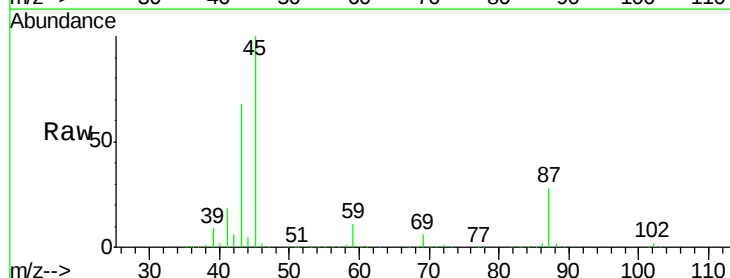
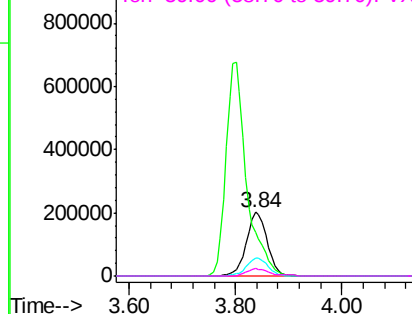
59 11.4 9.0 13.6

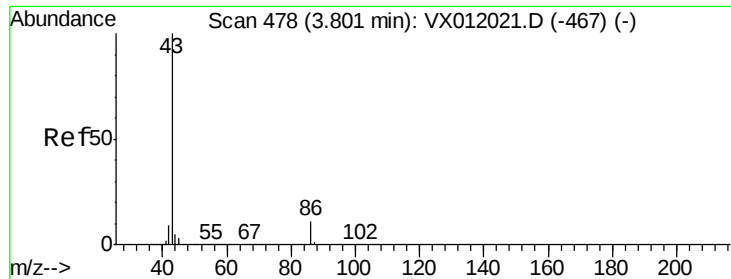
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





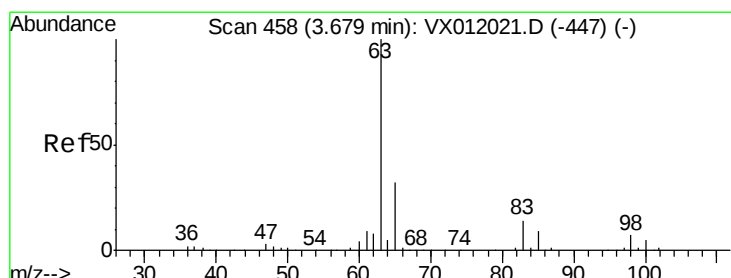
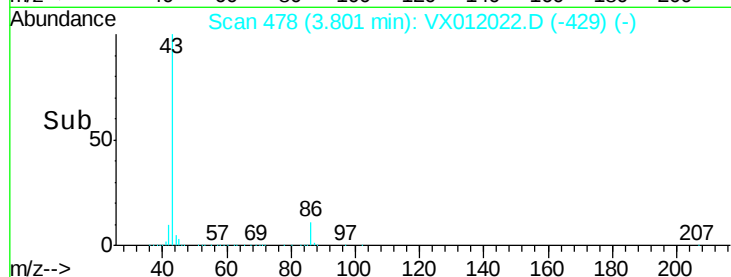
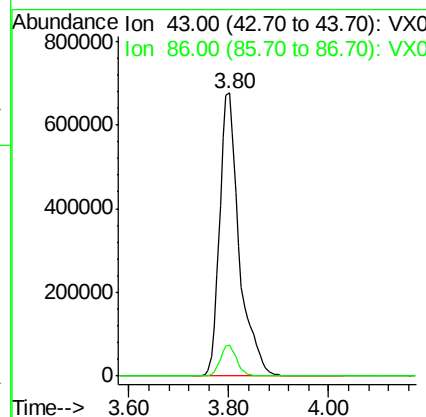
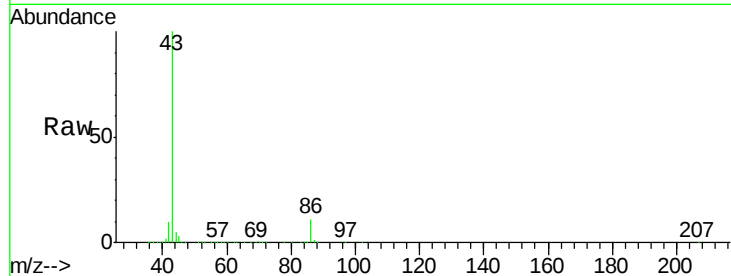
#23
 Vinyl Acetate
 Concen: 909.007 ug/l
 RT: 3.80 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1838590
 Ion Ratio Lower Upper
 43 100
 86 10.8 9.0 13.6

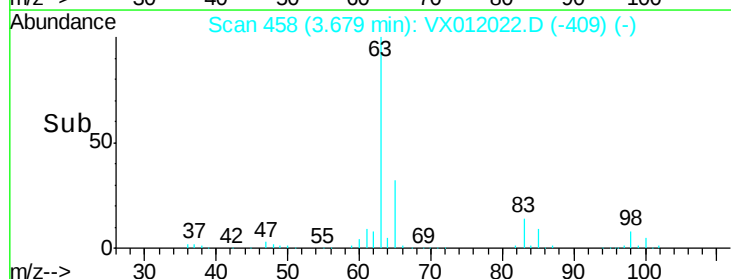
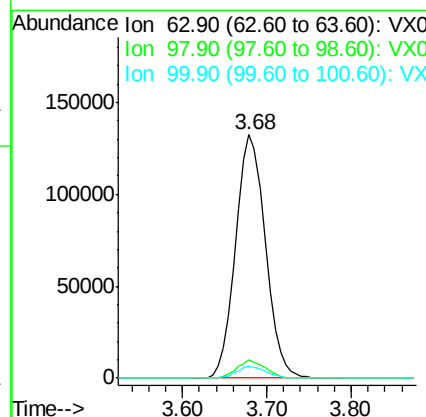
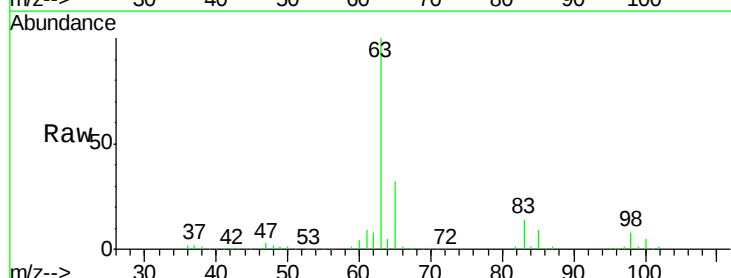
Manual Integrations
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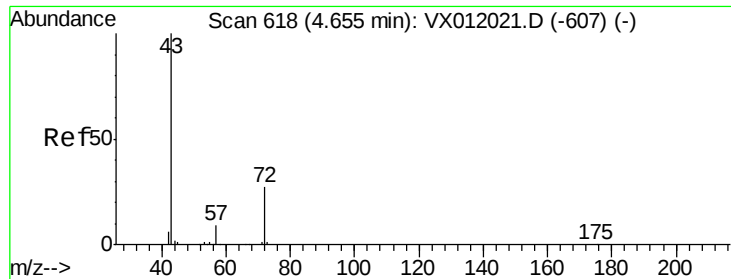
sam
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#24
 1,1-Dichloroethane
 Concen: 168.969 ug/l
 RT: 3.68 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion: 63 Resp: 316986
 Ion Ratio Lower Upper
 63 100
 98 7.5 3.9 11.7
 100 4.7 2.5 7.4





#25

2-Butanone

Concen: 973.594 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 334030

Ion Ratio Lower Upper

43 100

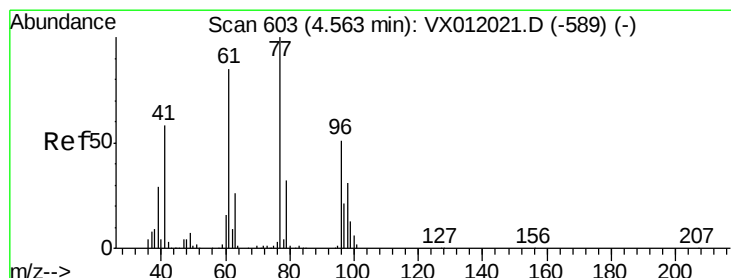
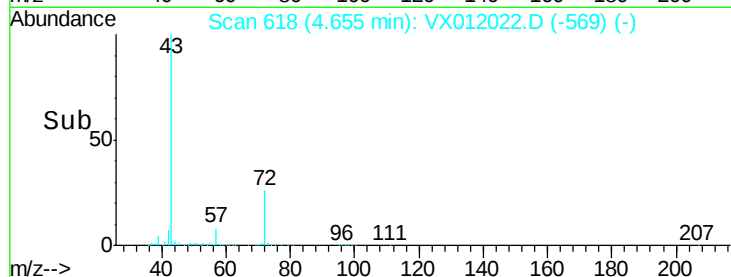
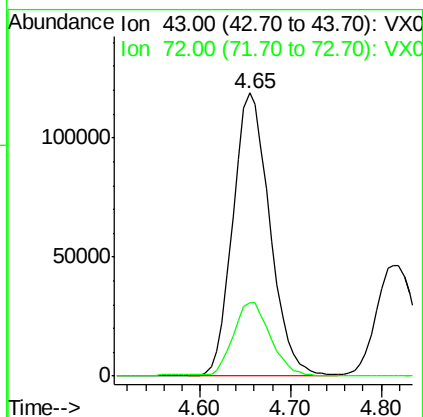
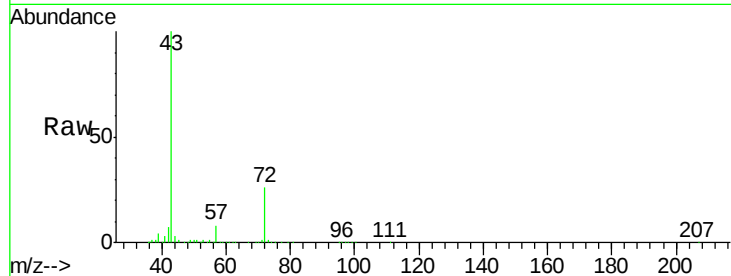
72 26.1 21.3 31.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 165.854 ug/l

RT: 4.56 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX012022.D

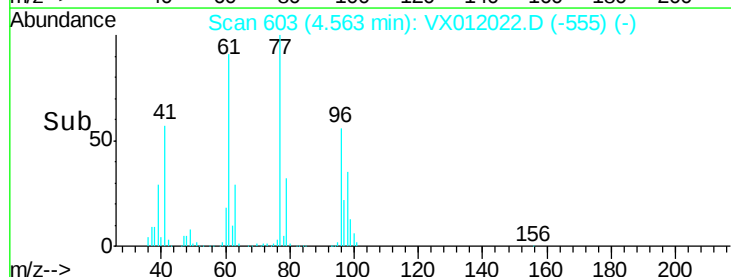
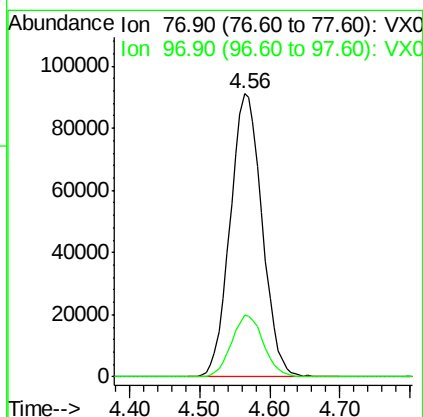
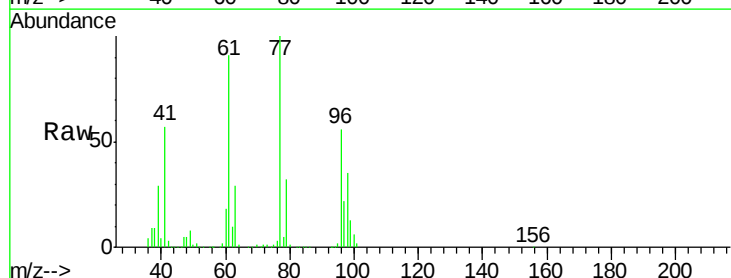
Acq: 03 Sep 2019 14:34

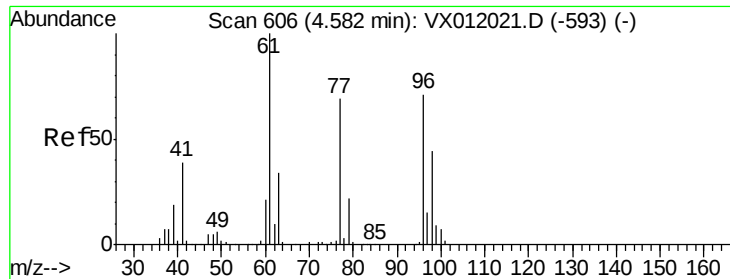
Tgt Ion: 77 Resp: 288610

Ion Ratio Lower Upper

77 100

97 21.9 11.5 34.5





#27

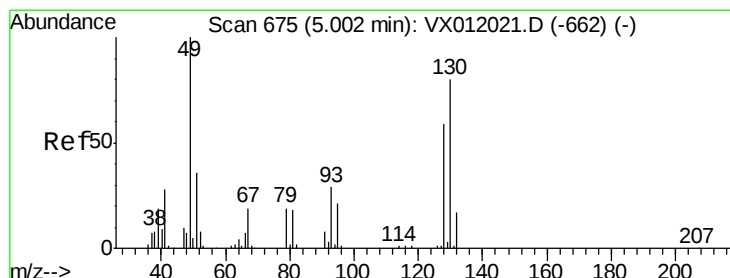
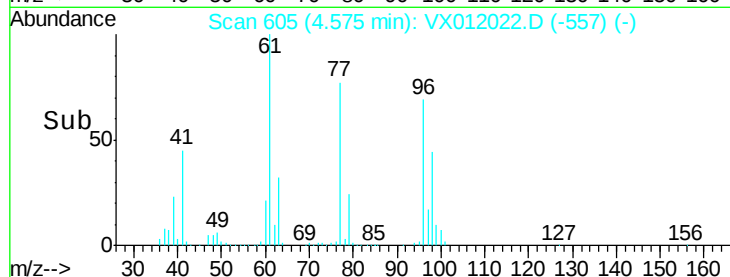
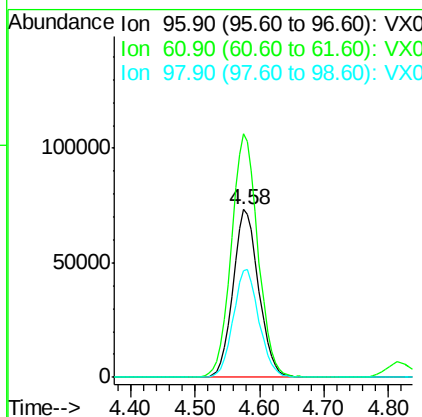
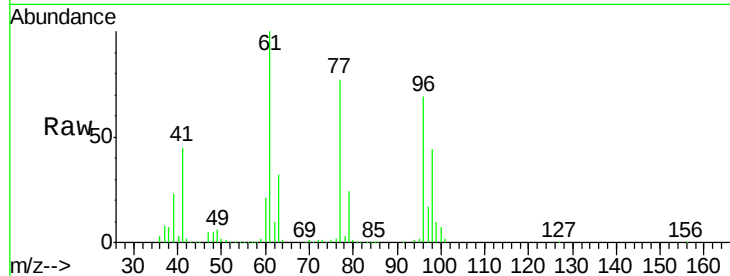
cis-1,2-Dichloroethene
Concen: 159.905 ug/l
RT: 4.58 min Scan# 605
Delta R.T. -0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.4	0.0	277.0	
98	64.4	0.0	128.4	

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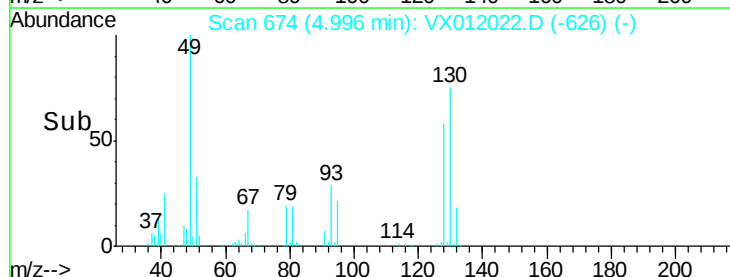
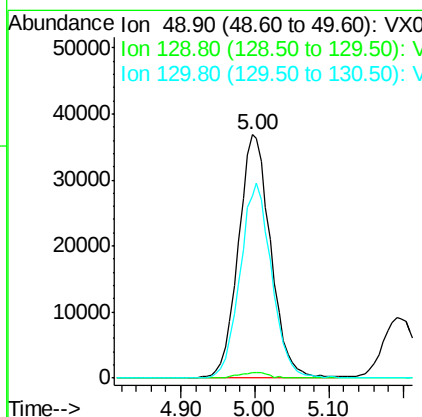
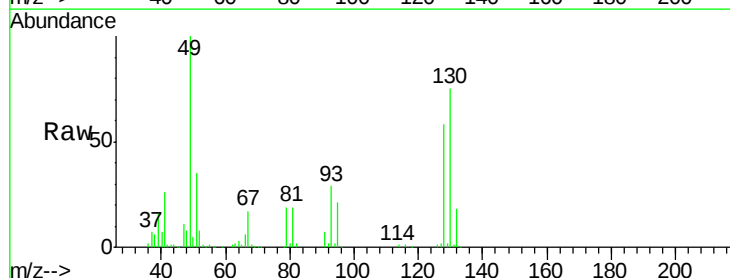
sam
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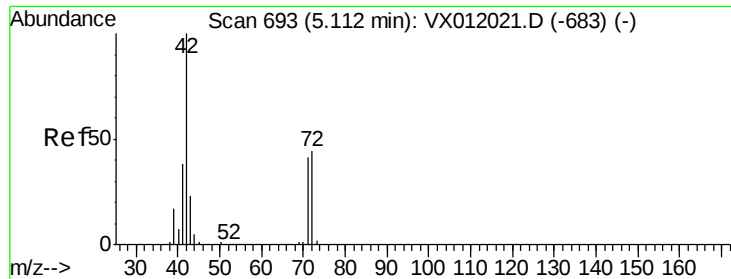


#28

Bromochloromethane
Concen: 145.785 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	5.6	
130	78.1	76.7	115.1	





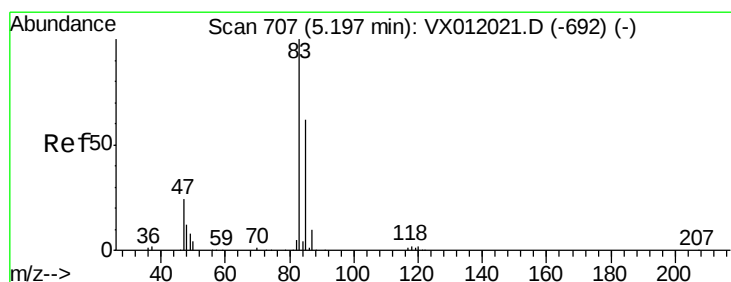
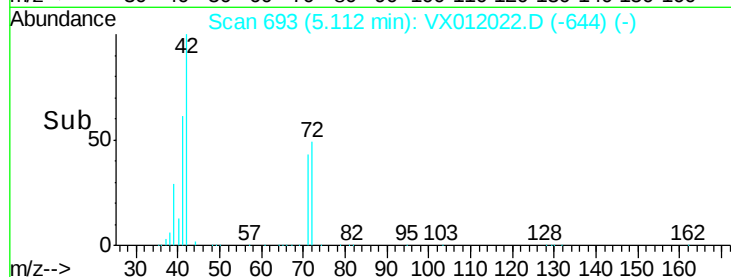
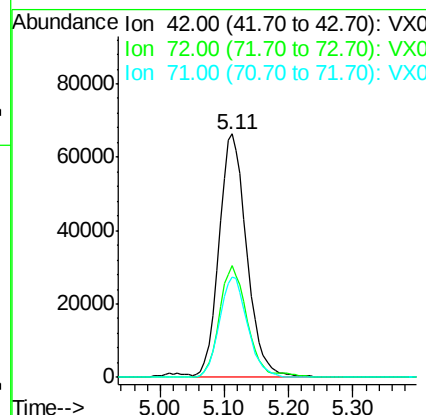
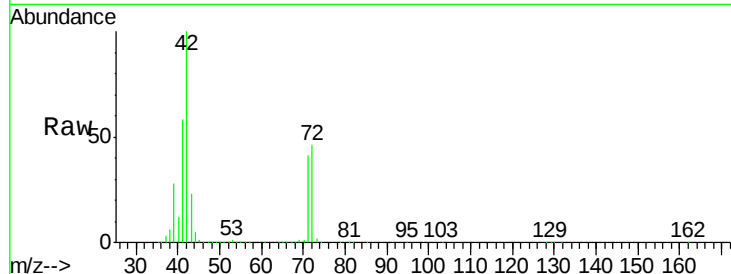
#29
Tetrahydrofuran
Concen: 946.253 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.0	55.4
71	42.0	33.8	50.8

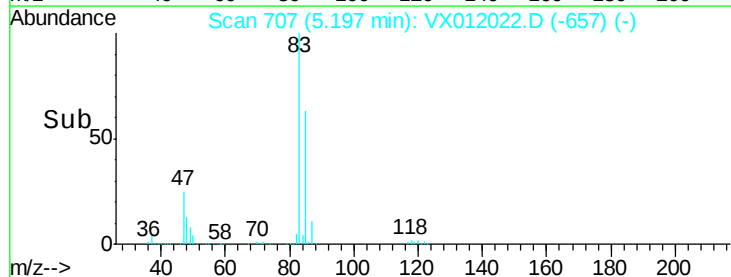
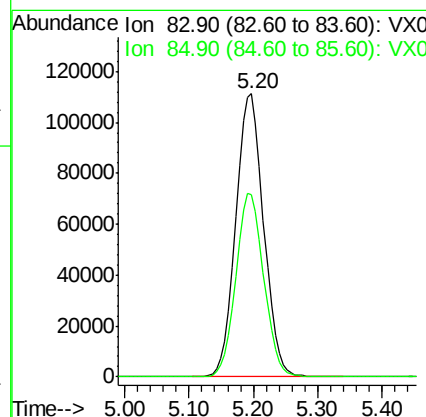
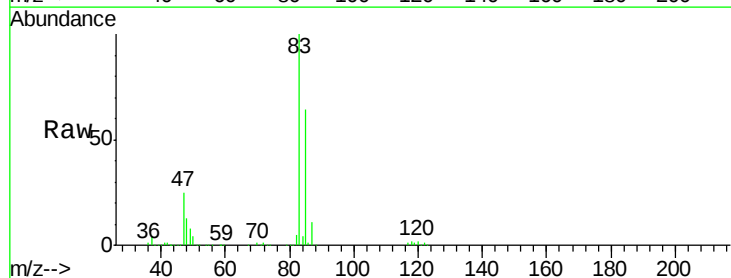
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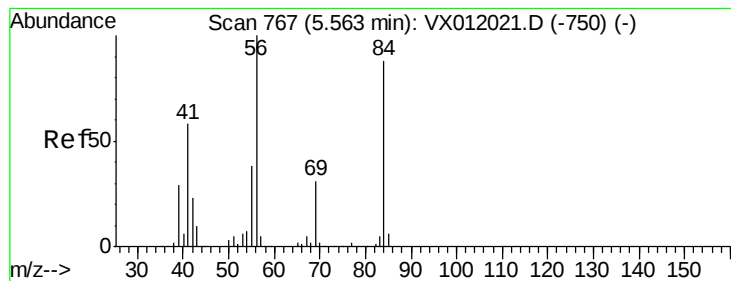
sam
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#30
Chloroform
Concen: 163.004 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.6	78.8





#31

Cyclohexane

Concen: 162.058 ug/l

RT: 5.56 min Scan# 767

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

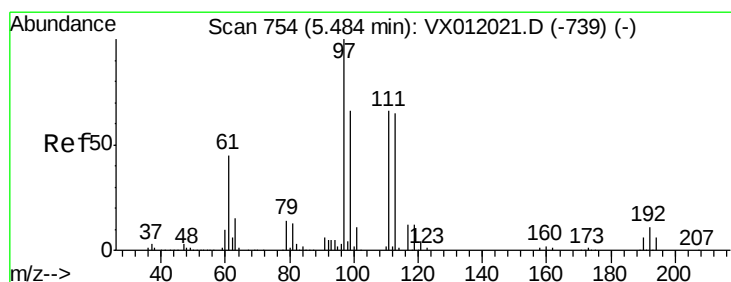
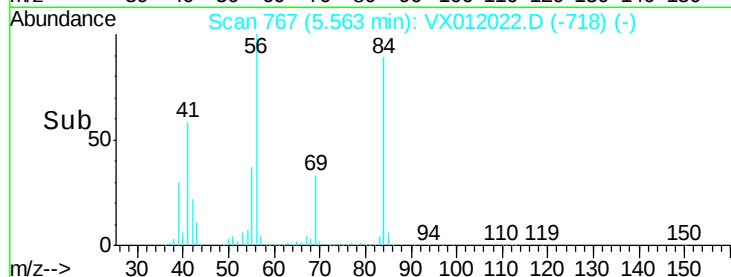
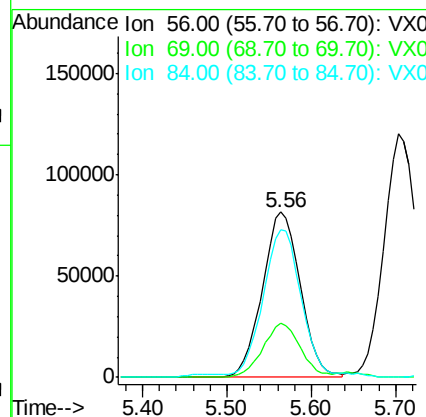
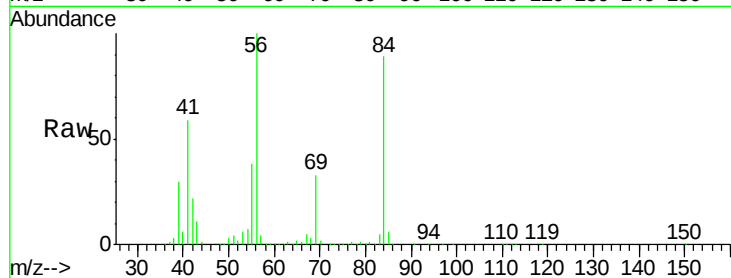
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	253280
Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.7	38.5
84	87.5	70.3	105.5

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#32

1,1,1-Trichloroethane

Concen: 157.241 ug/l

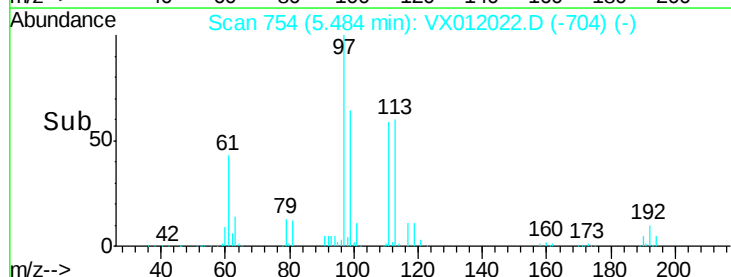
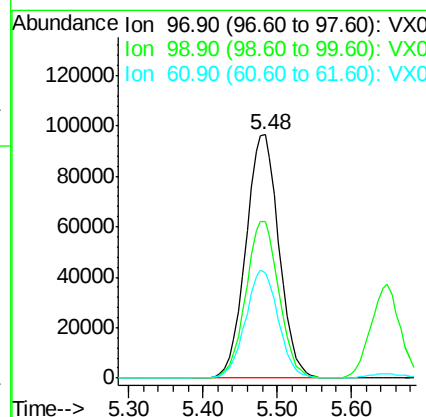
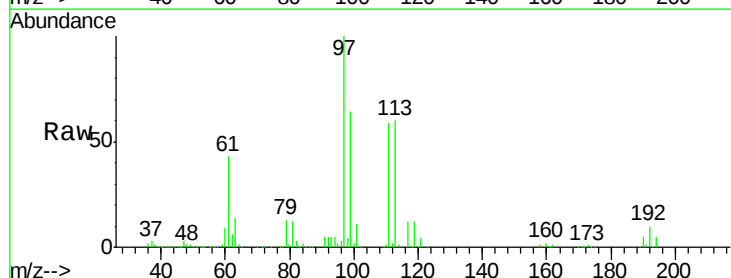
RT: 5.48 min Scan# 754

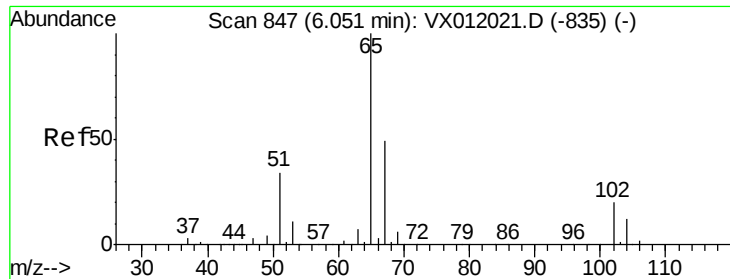
Delta R.T. 0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion:	97	Resp:	301236
Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.1	78.1
61	44.0	32.8	49.2





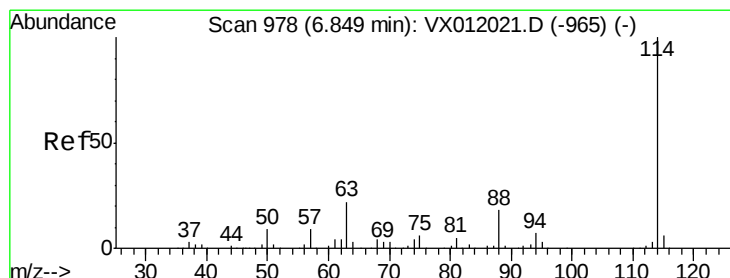
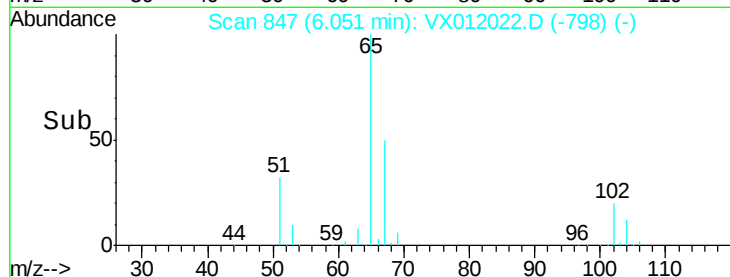
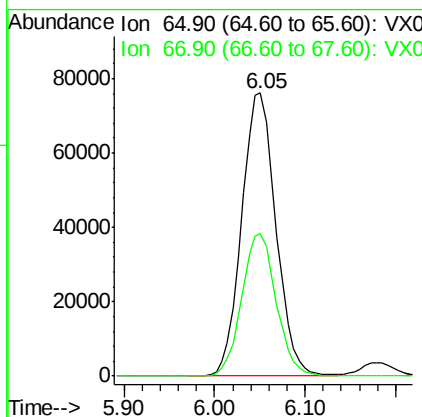
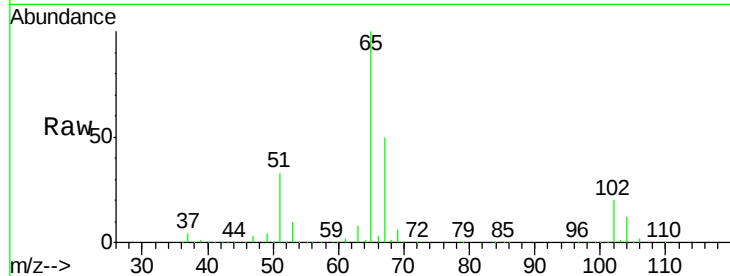
#33
 1,2-Dichloroethane-d4
 Concen: 155.255 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	102.0

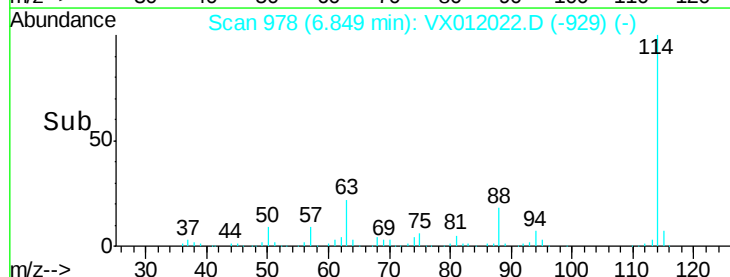
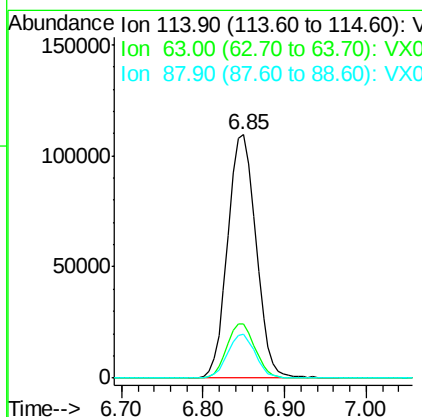
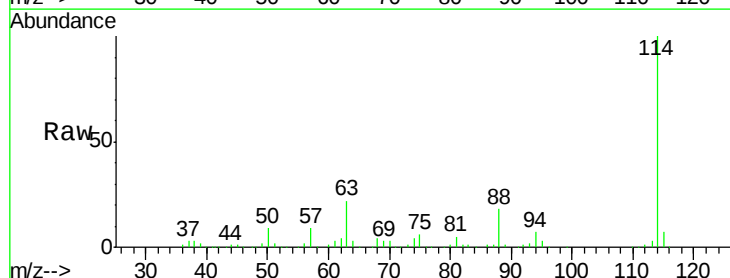
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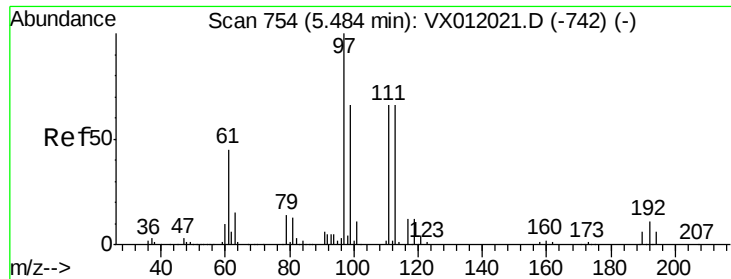
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	37.4
88	18.1	0.0	29.6





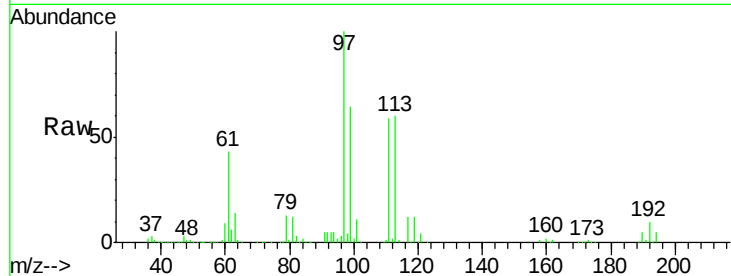
#35
 Dibromofluoromethane
 Concen: 94.164 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

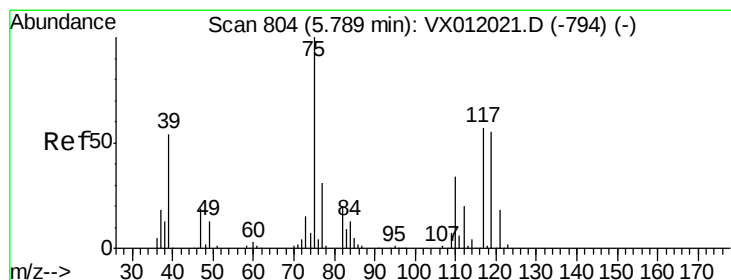
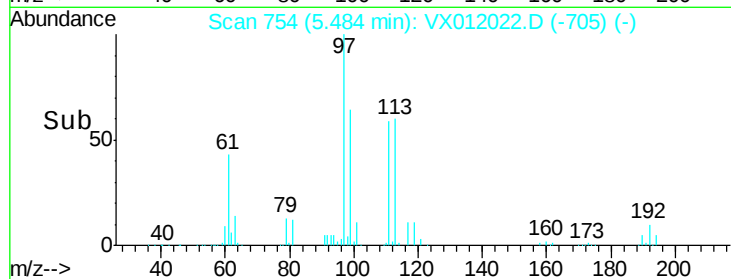
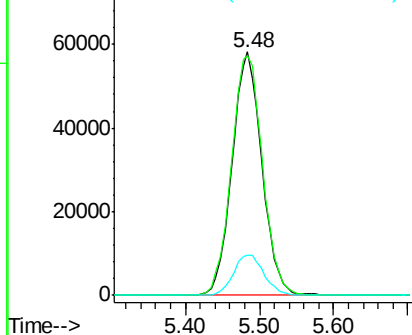
Tot Ion	Ratio	Resp	Lower	Upper
113	100	162945		
111	103.2	81.7	122.5	
192	17.1	22.5	33.7#	

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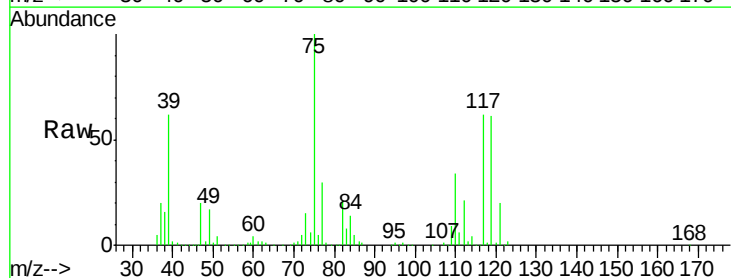


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

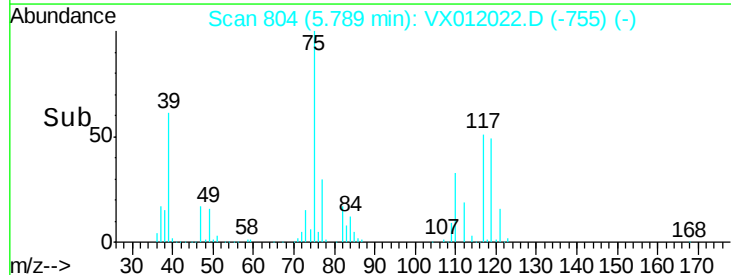
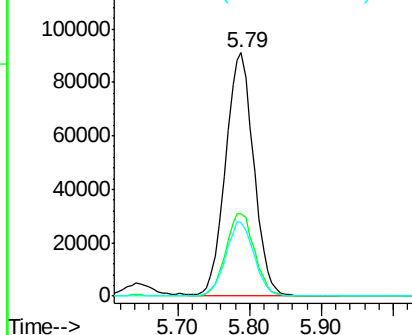


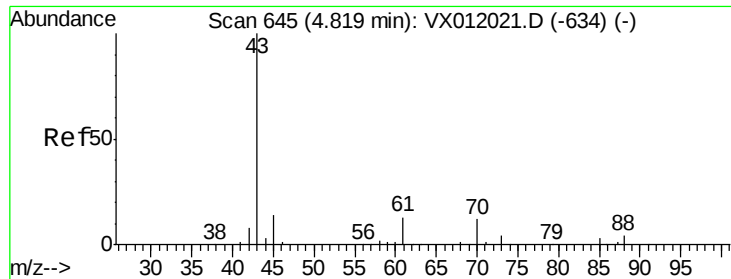
#36
 1,1-Dichloropropene
 Concen: 122.470 ug/l
 RT: 5.79 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	247312		
110	34.7	19.5	58.5	
77	30.6	24.6	37.0	



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 140.068 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

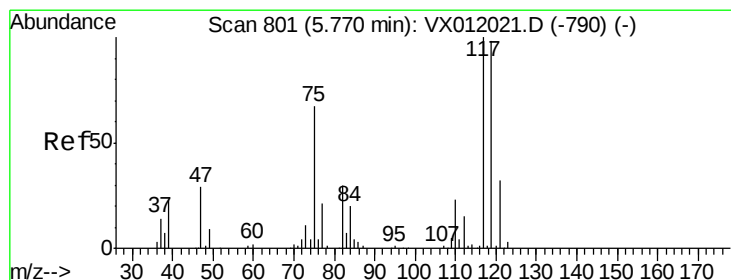
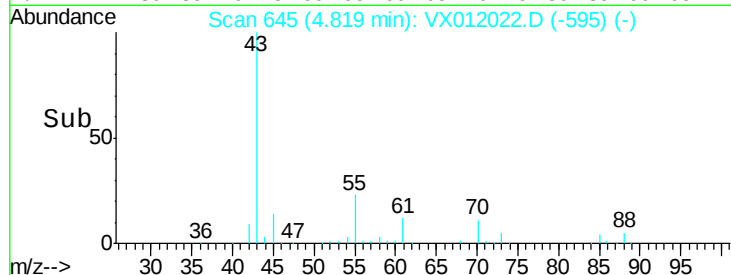
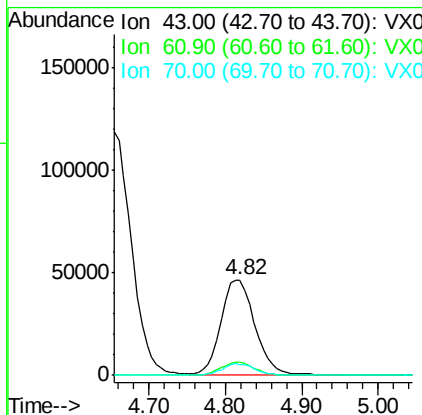
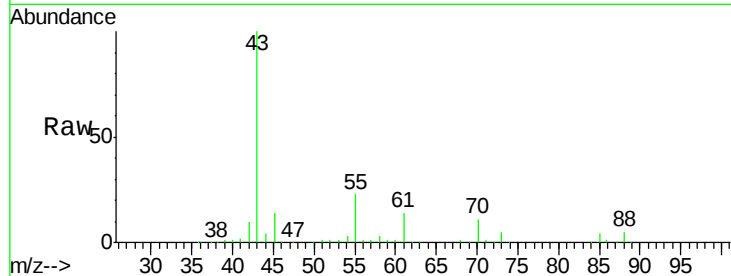
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	141592
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.9	16.3
70	11.8	9.4	14.0

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#38

Carbon Tetrachloride

Concen: 106.517 ug/l

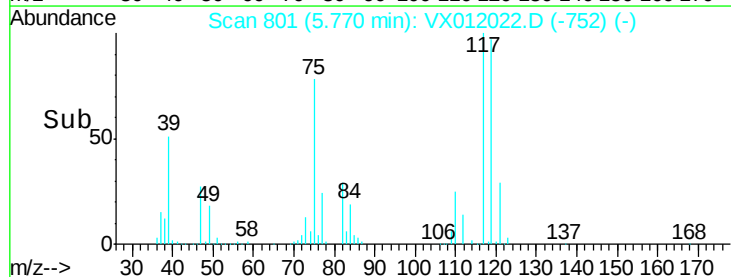
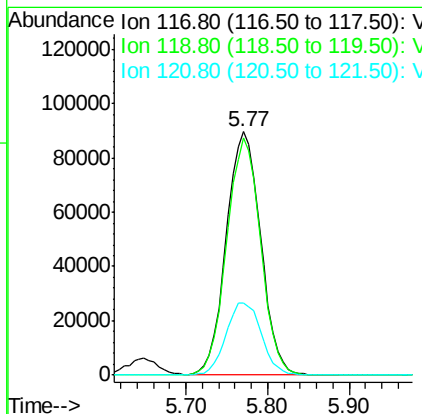
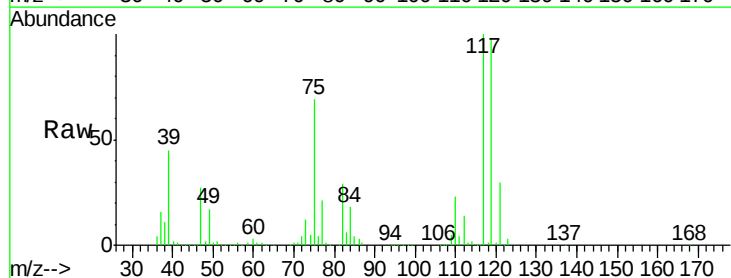
RT: 5.77 min Scan# 801

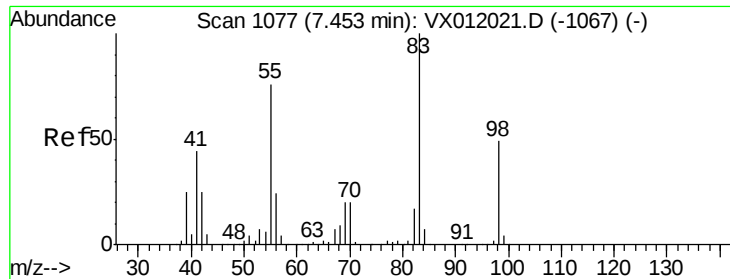
Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion:	117	Resp:	261560
Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.3	117.5
121	29.8	24.2	36.2





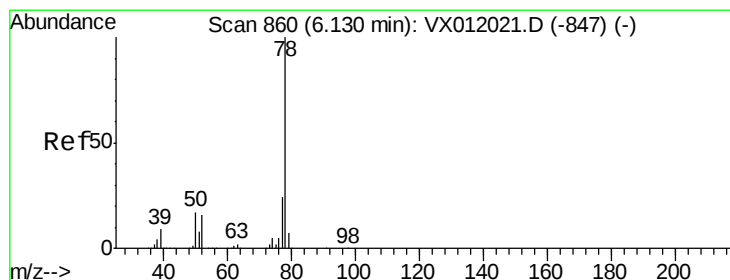
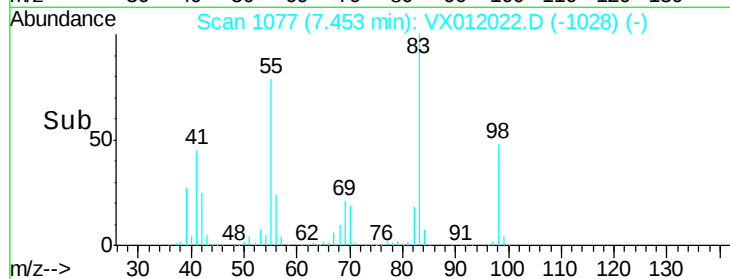
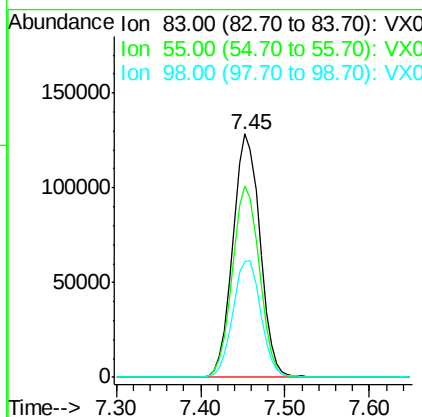
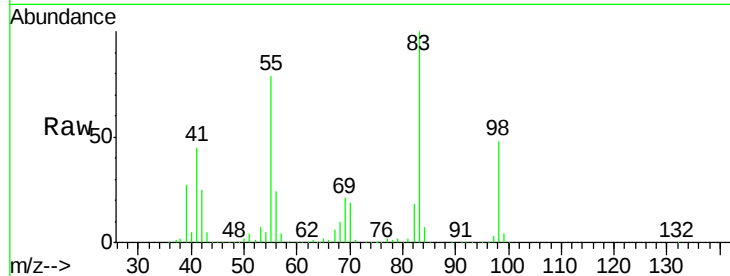
#39
Methvlcvclohexane
Concen: 113.997 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	279520		
55	78.6		59.6	89.4
98	47.5		41.4	62.0

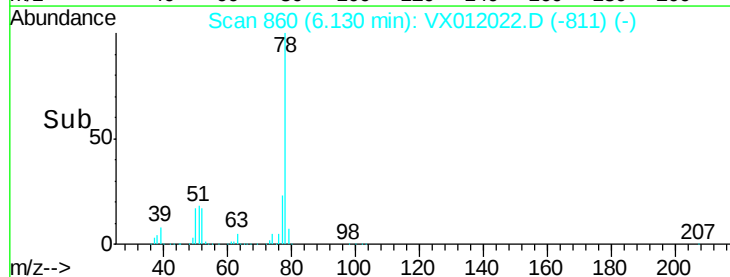
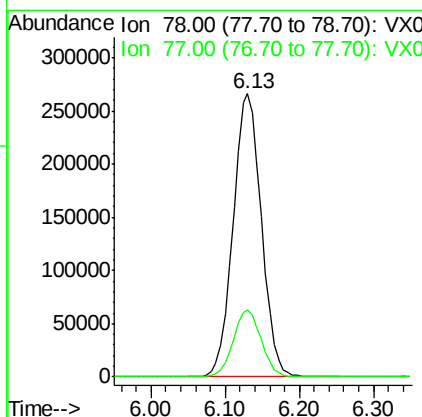
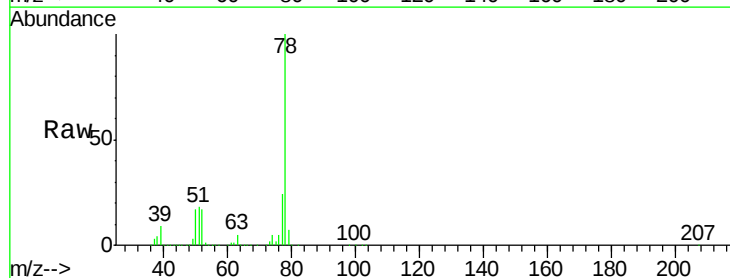
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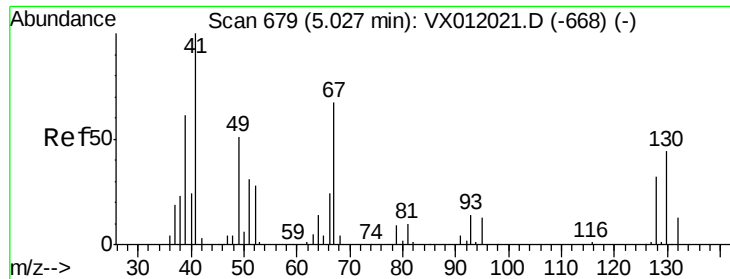
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#40
Benzene
Concen: 121.038 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	705925		
77	23.7		19.3	28.9





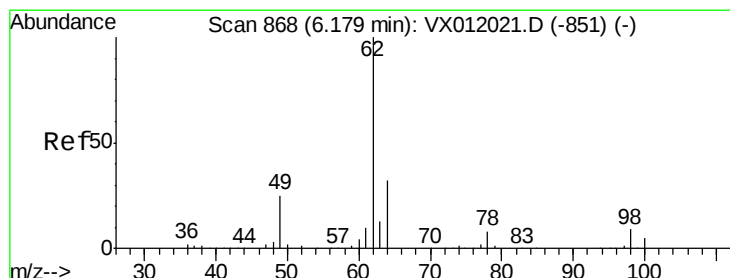
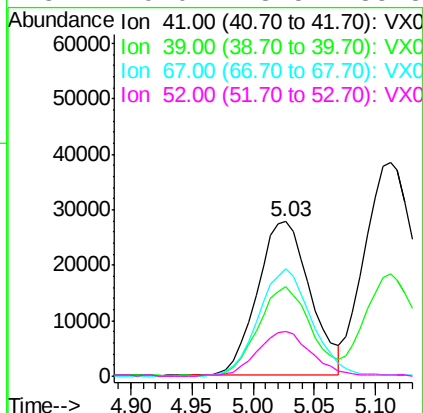
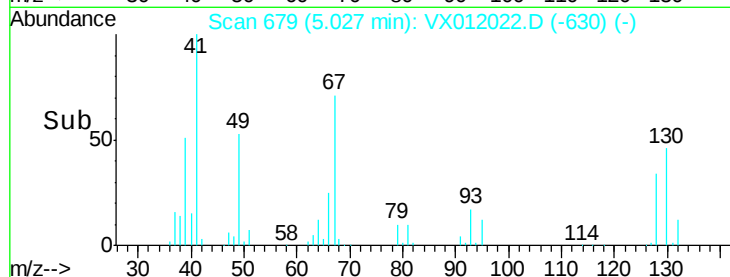
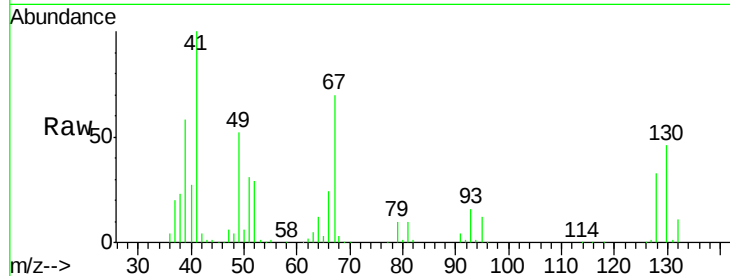
#41
Methacrylonitrile
Concen: 137.952 ug/l
RT: 5.03 min Scan# 679
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	84043
Ion	Ratio	Lower	Upper
41	100		
39	56.9	46.7	70.1
67	69.9	57.0	85.6
52	29.0	23.5	35.3

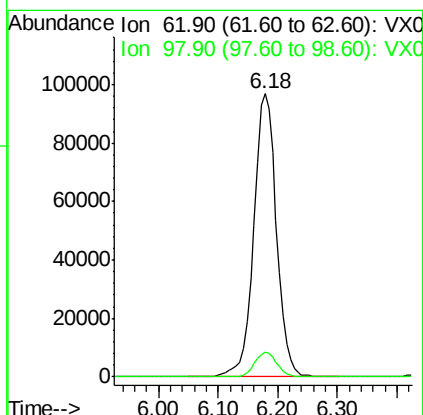
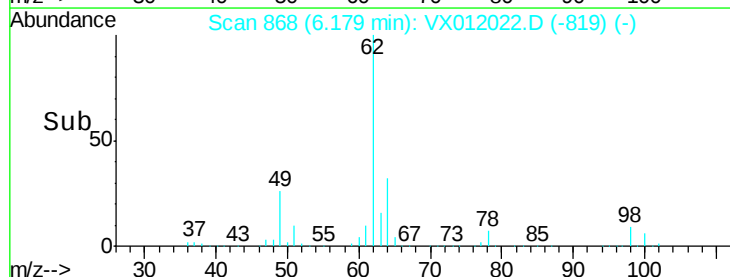
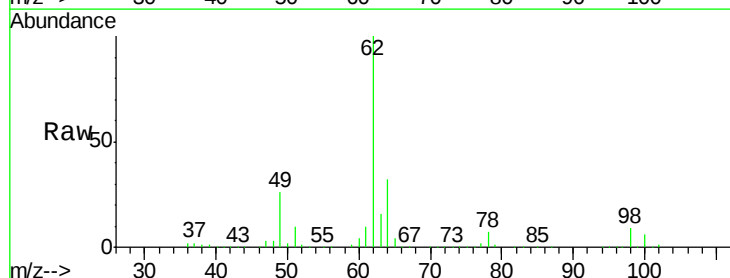
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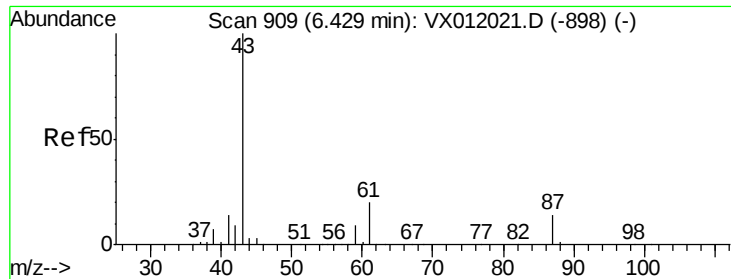
sam
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#42
1,2-Dichloroethane
Concen: 129.357 ug/l
RT: 6.18 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion:	62	Resp:	255577
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	19.2





#43

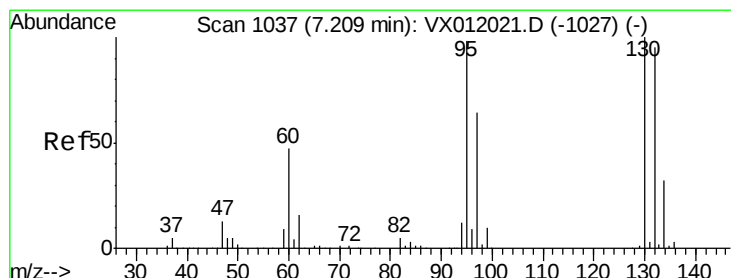
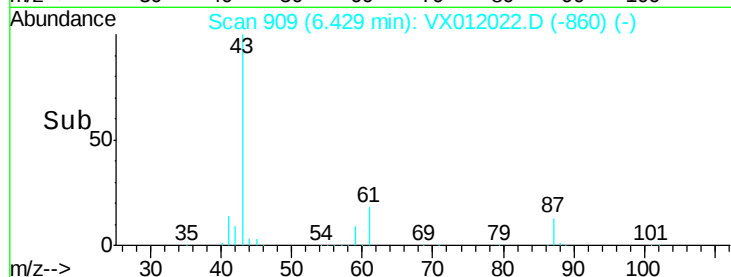
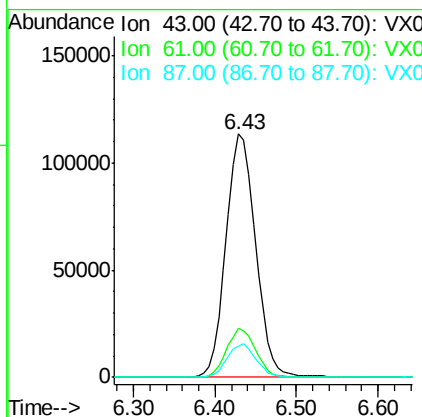
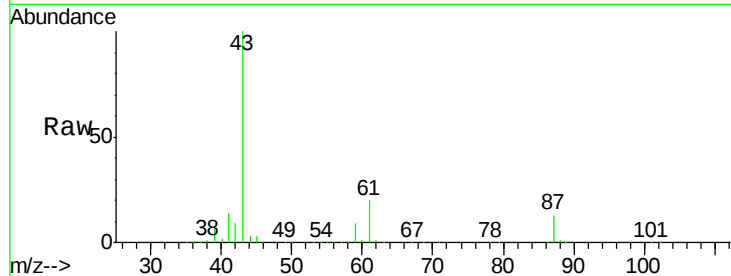
Isopropyl Acetate
 Concen: 136.161 ug/l
 RT: 6.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	43	Resp:	284511
Ion	Ratio	Lower	Upper
43	100		
61	19.9	16.1	24.1
87	13.4	11.3	16.9

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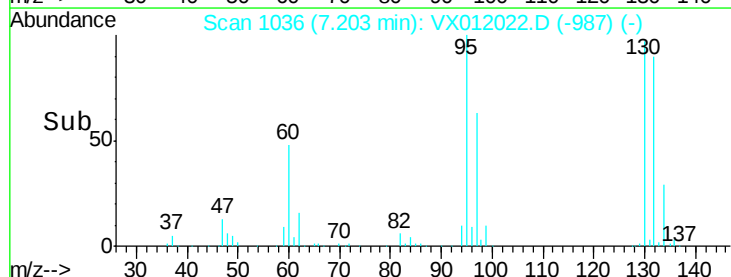
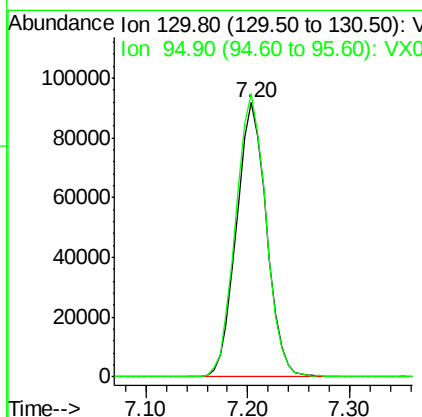
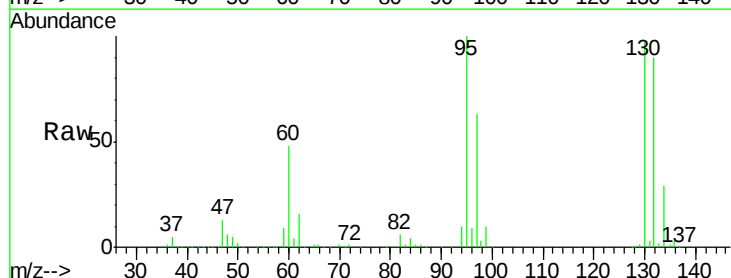
sam
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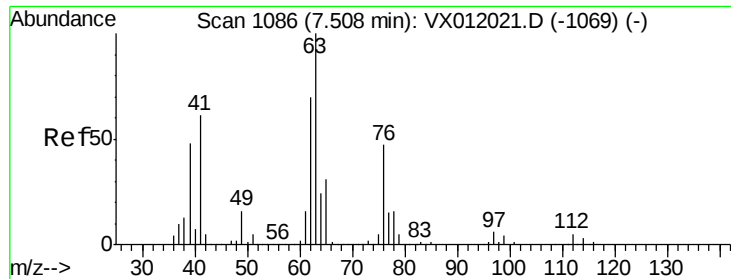


#44

Trichloroethene
 Concen: 97.309 ug/l
 RT: 7.20 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion:	130	Resp:	188494
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	176.4





#45

1,2-Dichloropropane

Concen: 121.959 ug/l

RT: 7.51 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 178986

Ion Ratio Lower Upper

63 100

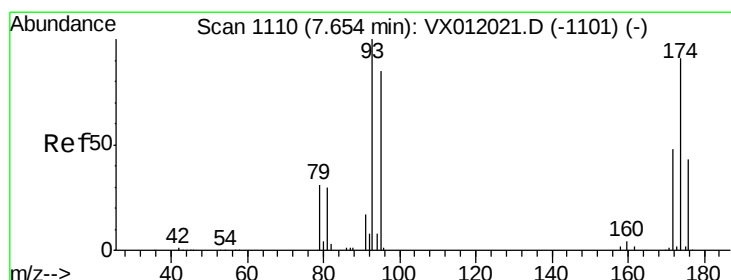
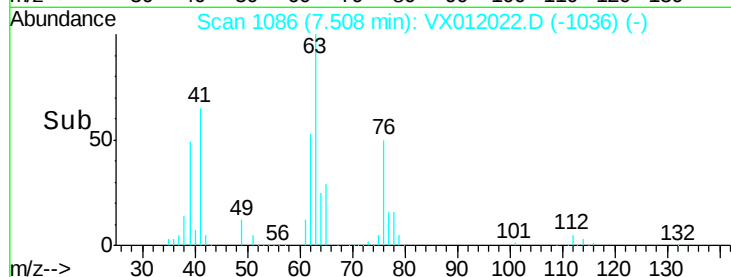
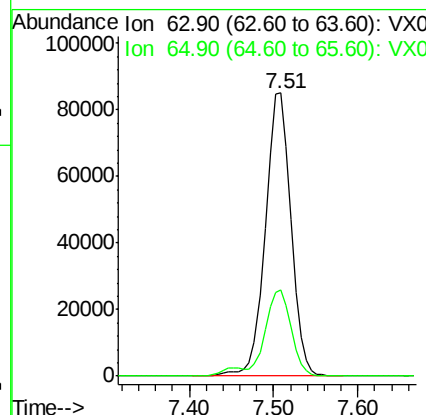
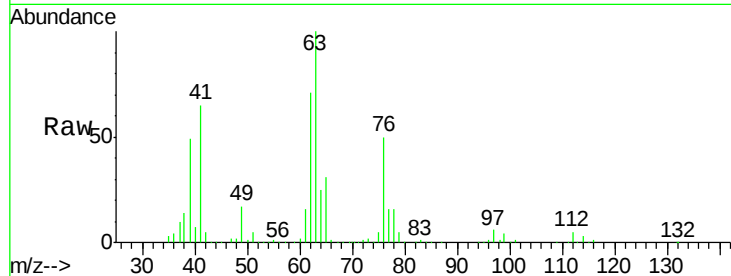
65 30.6 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 120.824 ug/l

RT: 7.65 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

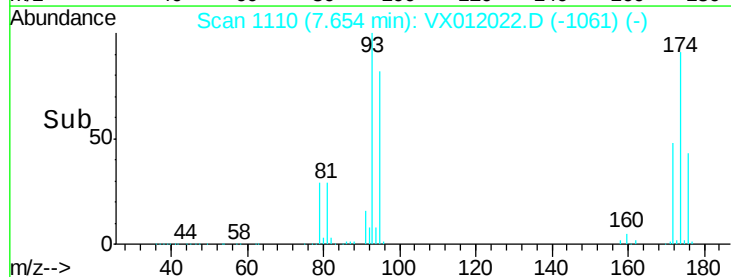
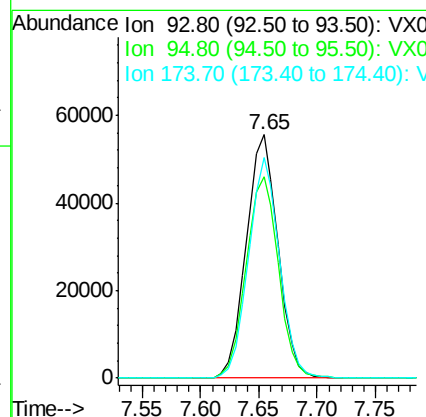
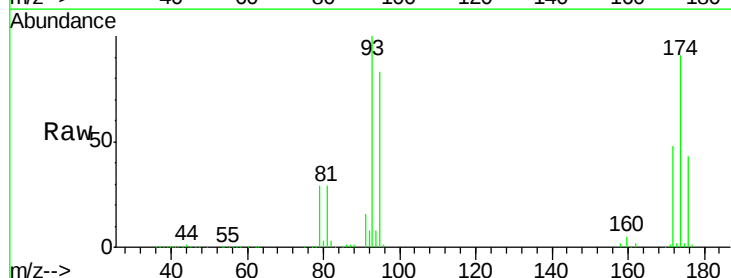
Tgt Ion: 93 Resp: 106289

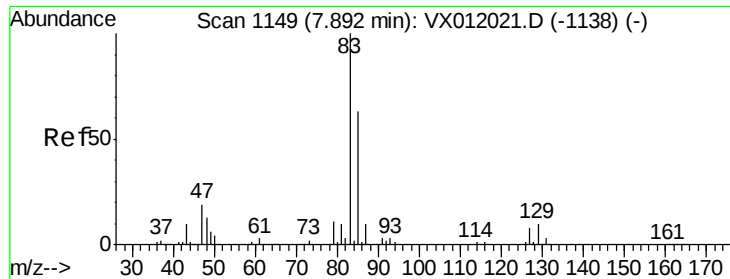
Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.2

174 88.1 110.2 165.4#





#47

Bromodichloromethane

Concen: 120.552 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

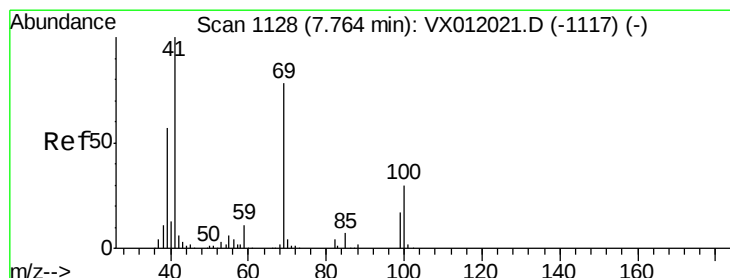
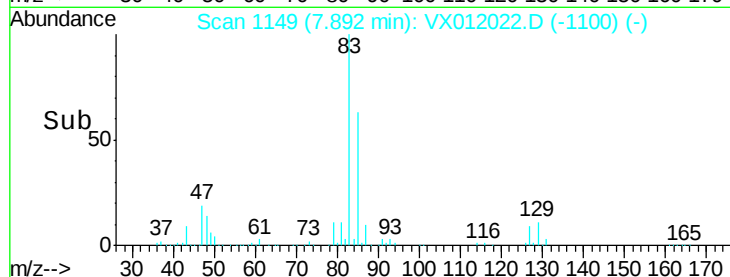
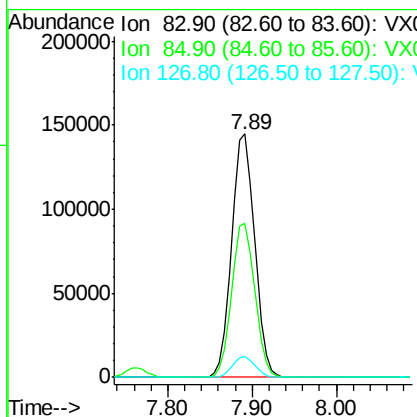
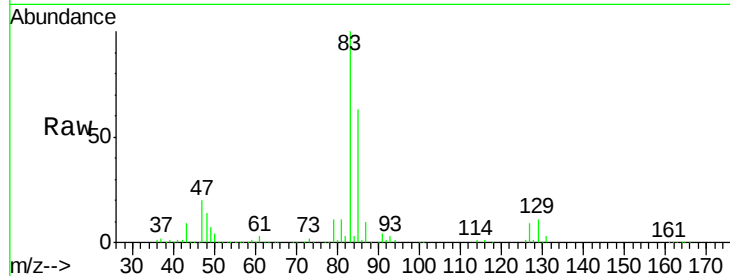
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	267712
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.3	75.5
127	8.6	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 138.317 ug/l

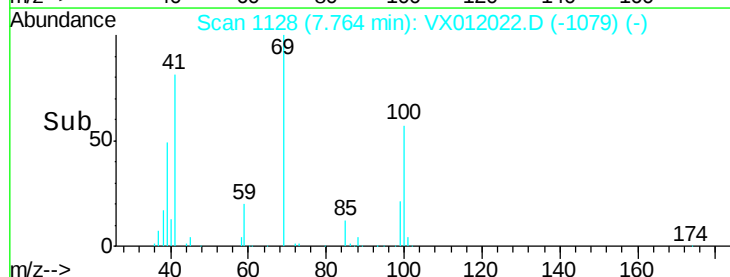
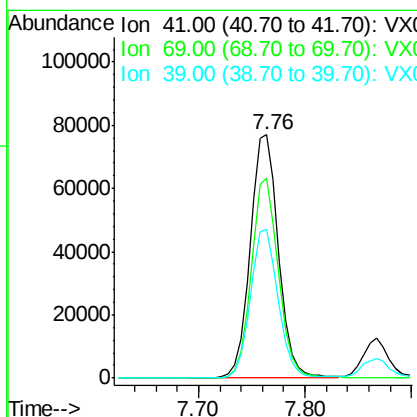
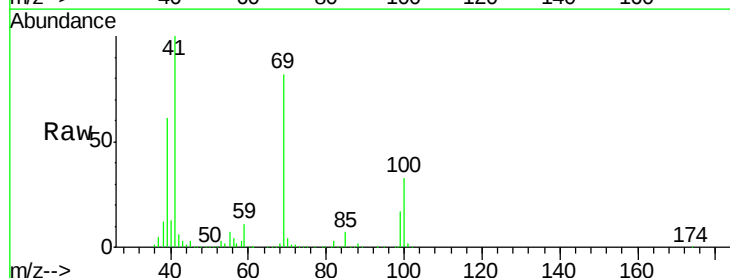
RT: 7.76 min Scan# 1128

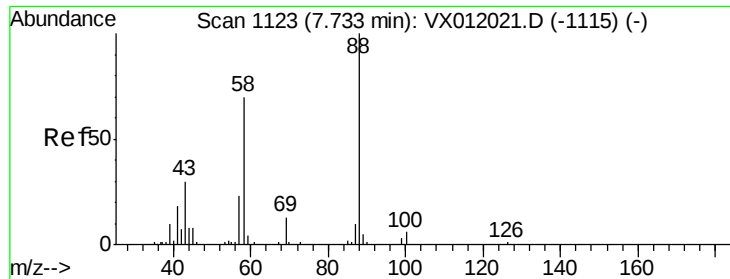
Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion:	41	Resp:	142514
Ion Ratio	Lower	Upper	
41	100		
69	79.8	66.3	99.5
39	60.3	48.1	72.1





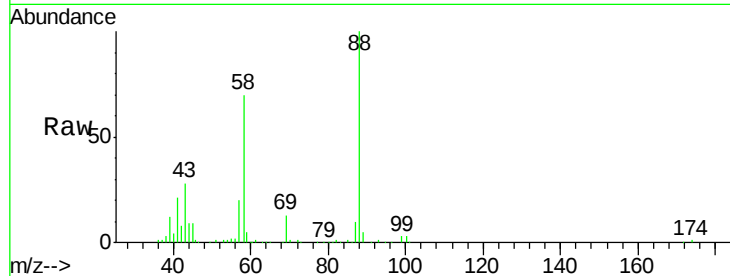
#49
1,4-Dioxane
Concen: 2661.637 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

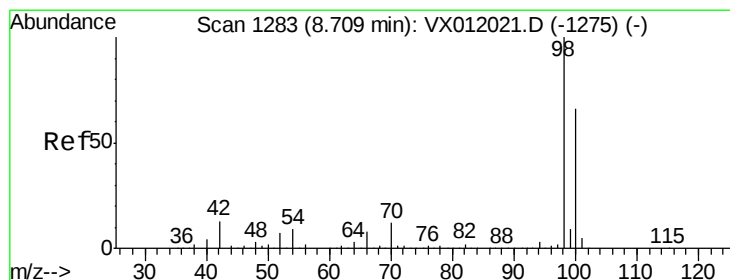
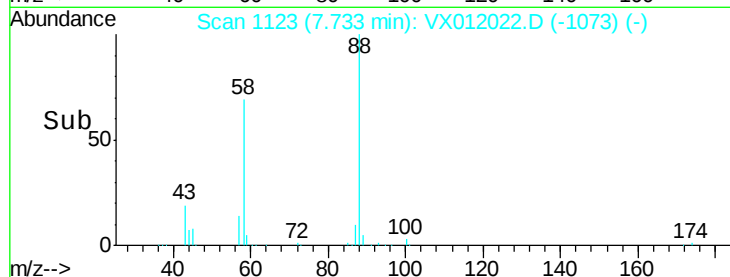
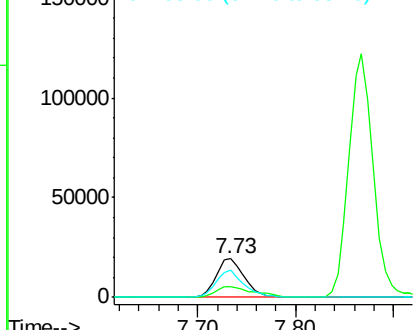
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.8	44.6
58	70.7	55.4	83.2

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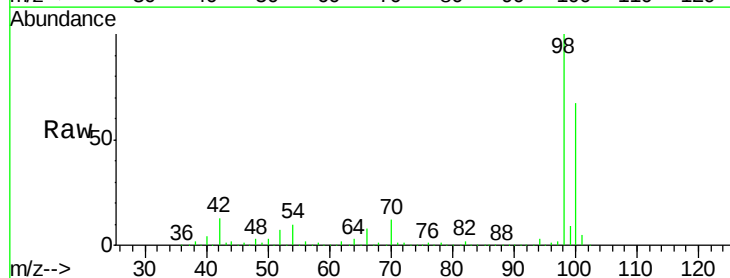


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

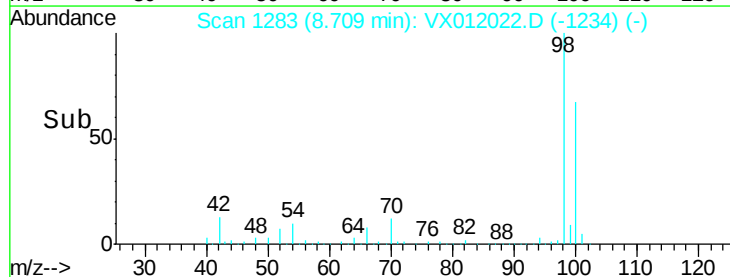
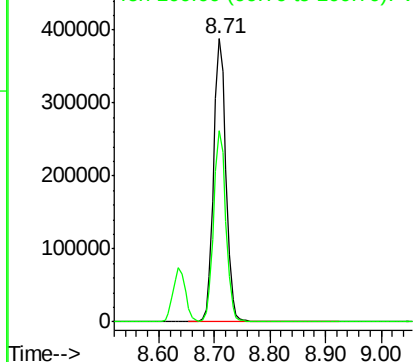


#50
Toluene-d8
Concen: 98.808 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.3	79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 670.274 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 703881

Ion Ratio Lower Upper

43 100

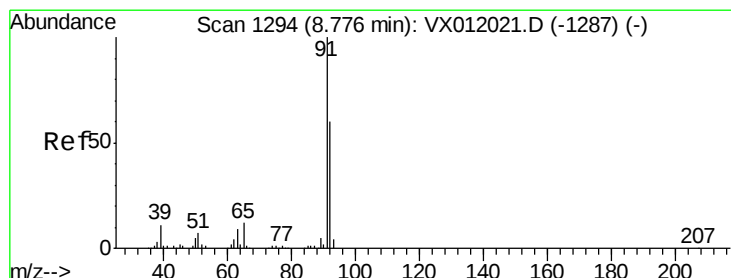
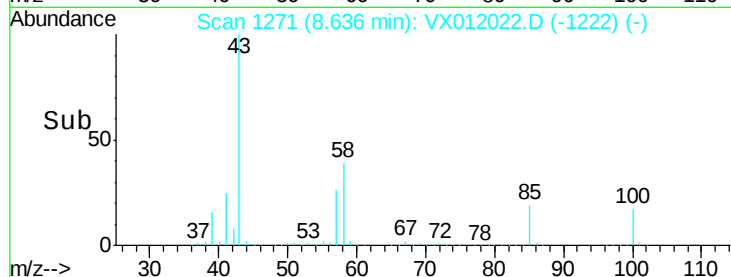
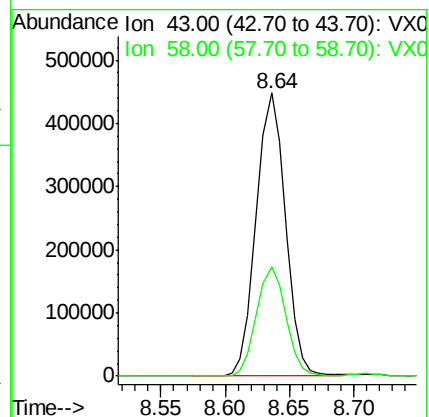
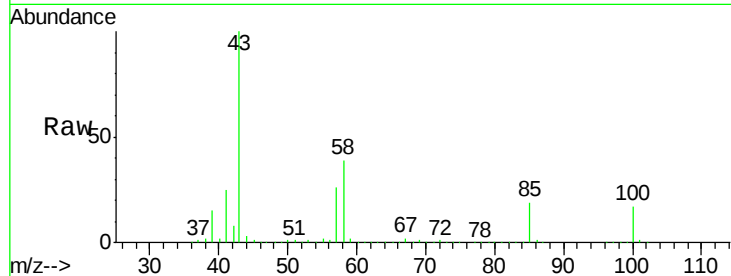
58 38.7 31.5 47.3

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#52

Toluene

Concen: 115.209 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX012022.D

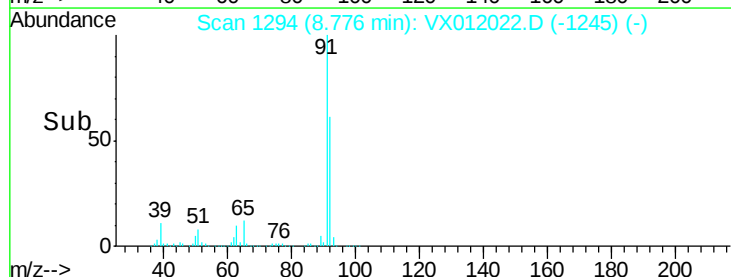
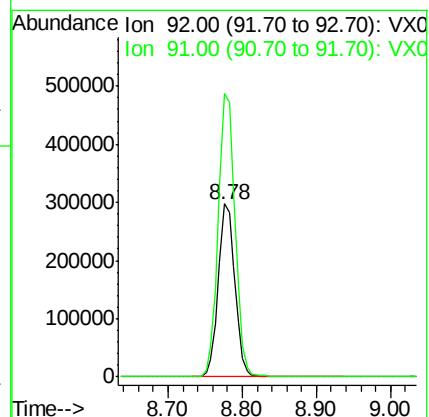
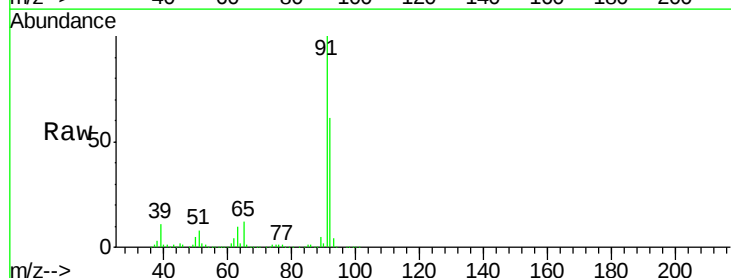
Acq: 03 Sep 2019 14:34

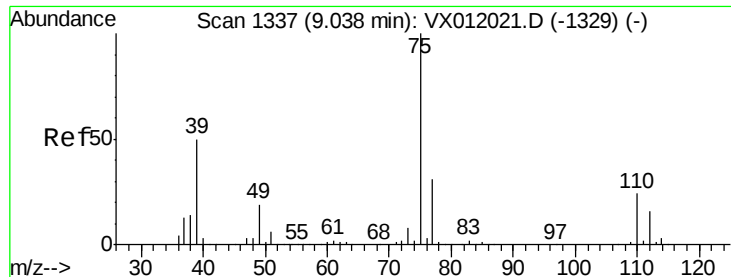
Tgt Ion: 92 Resp: 455265

Ion Ratio Lower Upper

92 100

91 166.4 136.0 204.0





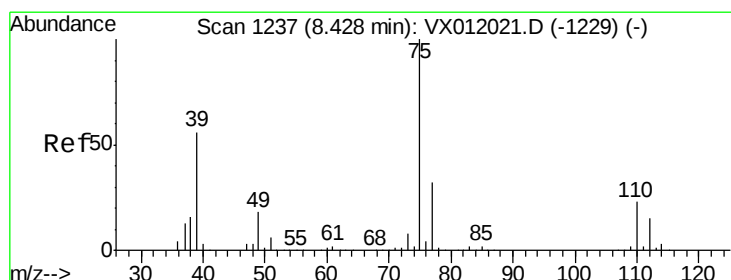
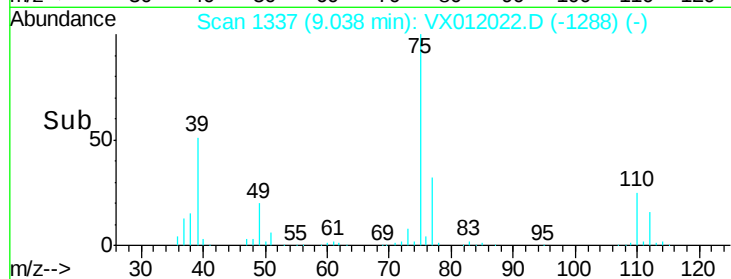
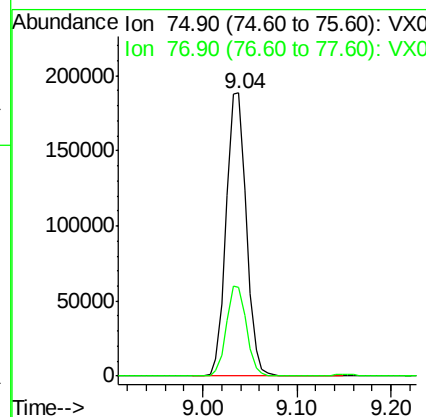
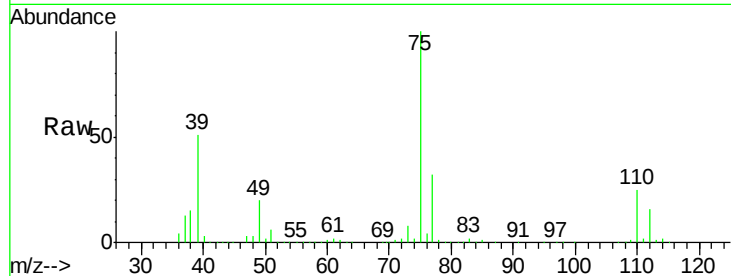
#53
t-1,3-Dichloropropene
Concen: 124.674 ug/l
RT: 9.04 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 280263
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7

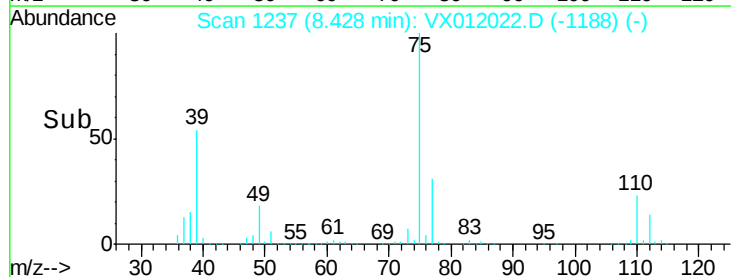
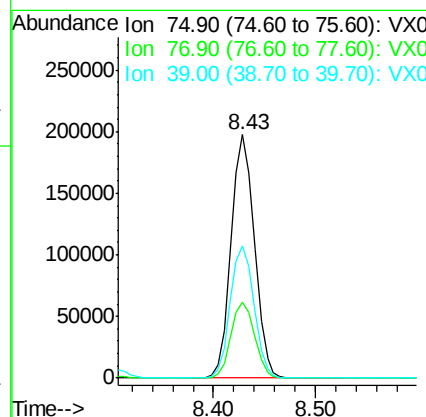
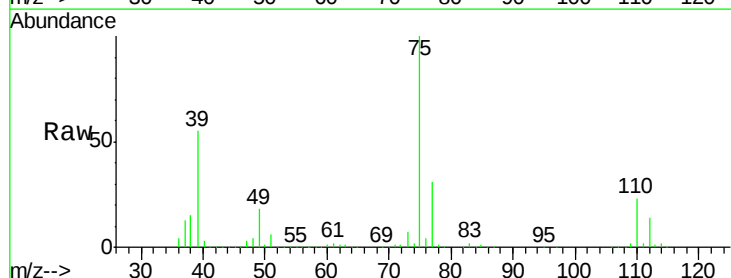
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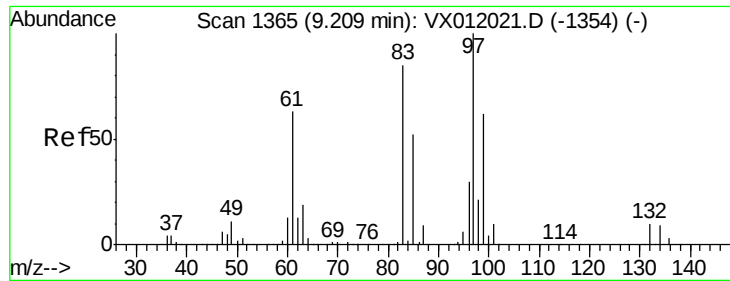
sam
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#54
cis-1,3-Dichloropropene
Concen: 123.388 ug/l
RT: 8.43 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 75 Resp: 312206
Ion Ratio Lower Upper
75 100
77 31.1 25.5 38.3
39 54.5 43.0 64.4





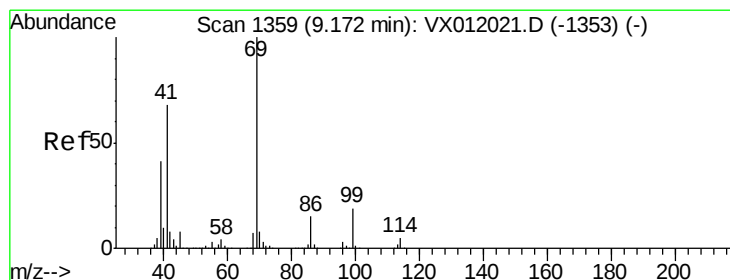
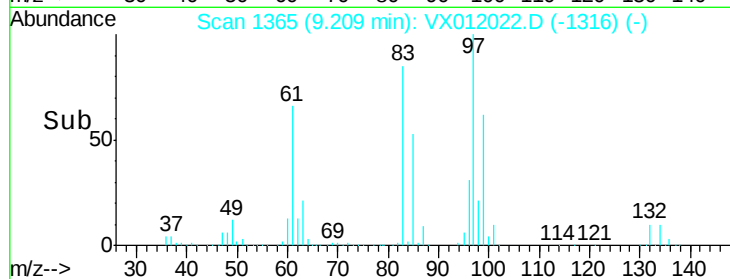
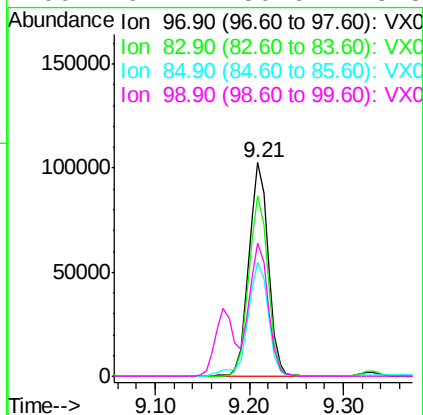
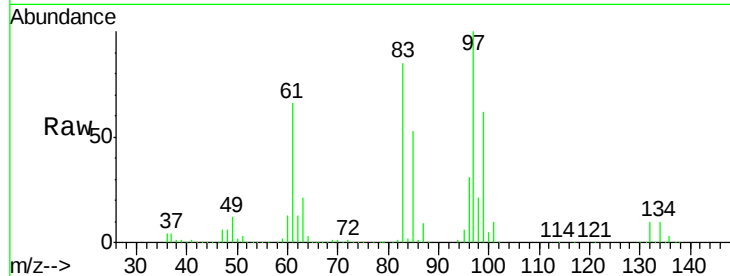
#55
 1,1,2-Trichloroethane
 Concen: 115.804 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	148720
Ion Ratio	Lower	Upper	
97	100		
83	84.7	66.0	99.0
85	53.1	41.0	61.6
99	62.2	50.6	75.8

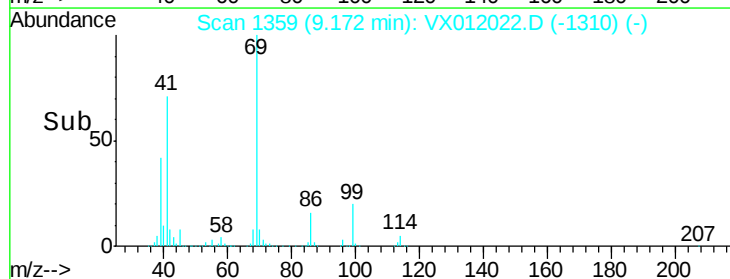
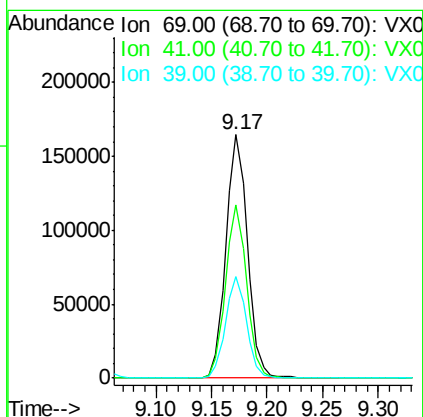
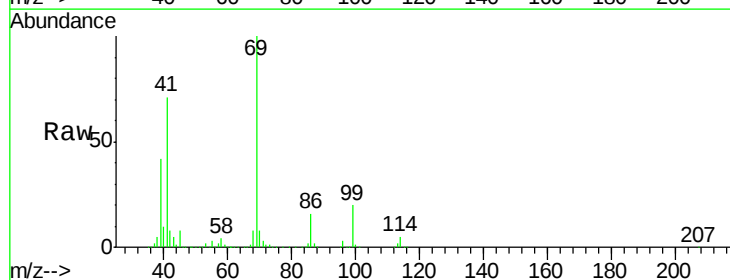
Manual Integrations
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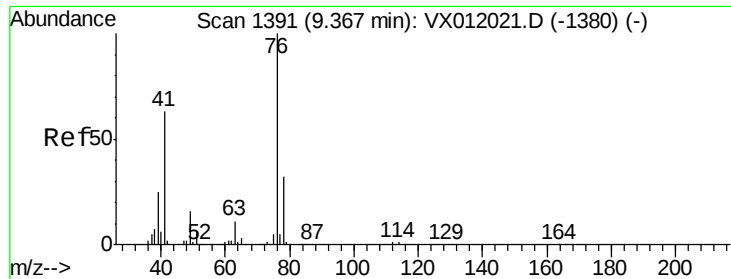
sam
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#56
 Ethyl methacrylate
 Concen: 129.611 ug/l
 RT: 9.17 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion:	69	Resp:	221049
Ion Ratio	Lower	Upper	
69	100		
41	70.2	53.9	80.9
39	40.8	31.1	46.7





#57

1,3-Dichloropropane

Concen: 123.102 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 259636

Ion Ratio Lower Upper

76 100

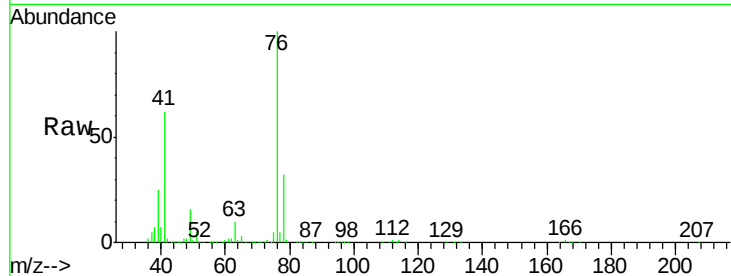
78 32.1 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

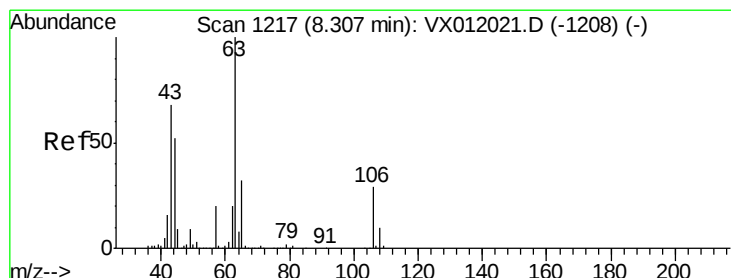
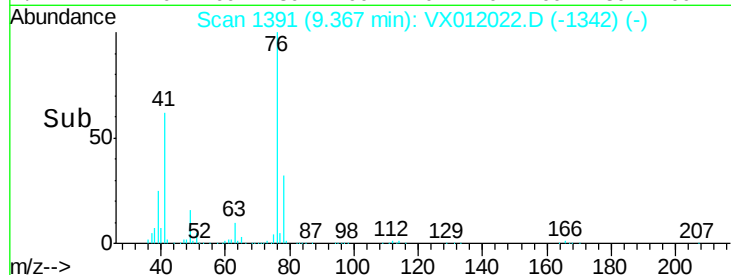
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 587.658 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VX012022.D

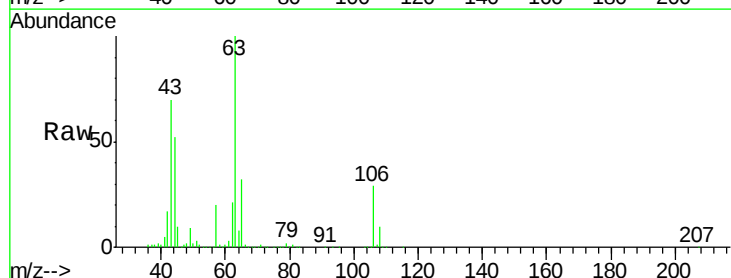
Acq: 03 Sep 2019 14:34

Tgt Ion: 63 Resp: 455447

Ion Ratio Lower Upper

63 100

106 29.4 26.5 39.7



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

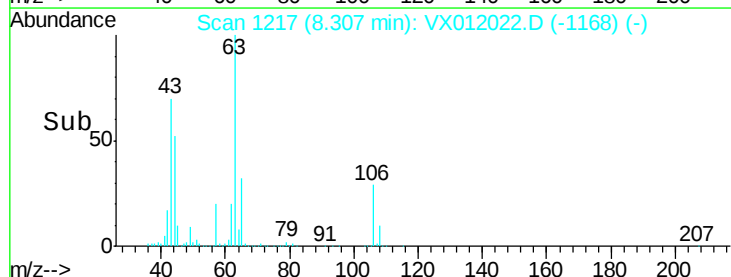
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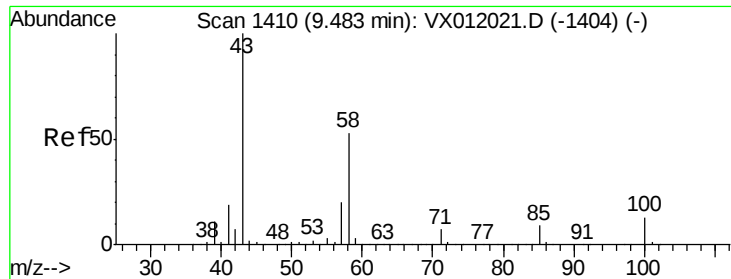
200000

100000

0

Time-->





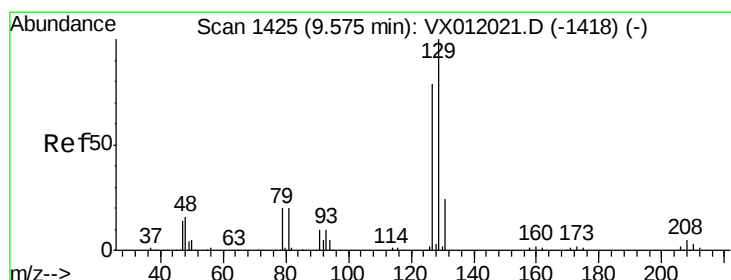
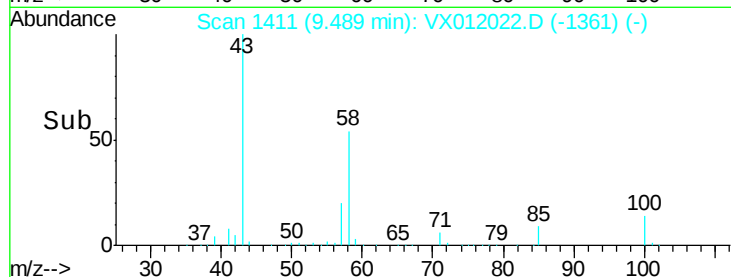
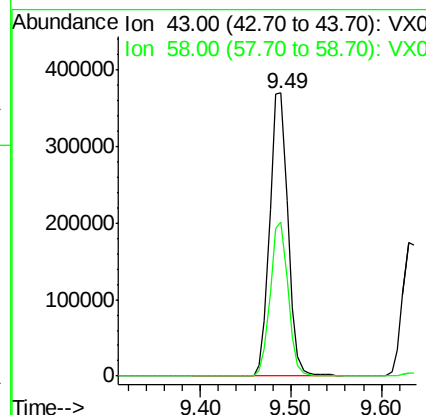
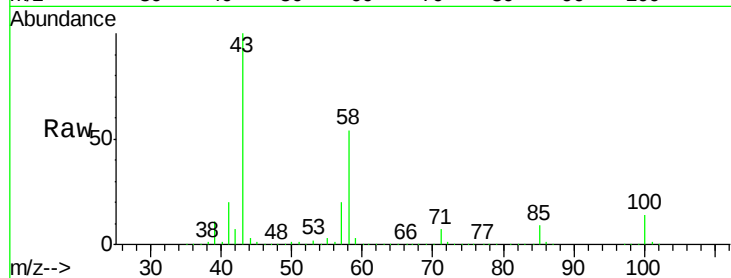
#59
2-Hexanone
Concen: 690.128 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 515922
Ion Ratio Lower Upper
43 100
58 53.5 27.2 81.6

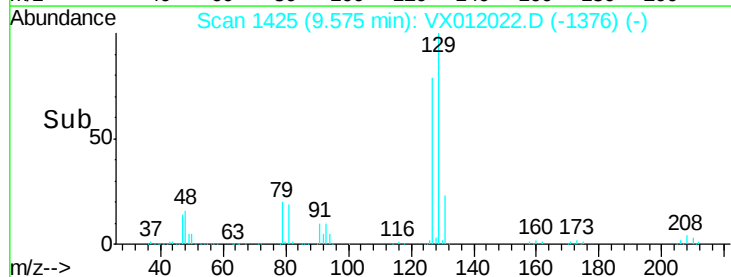
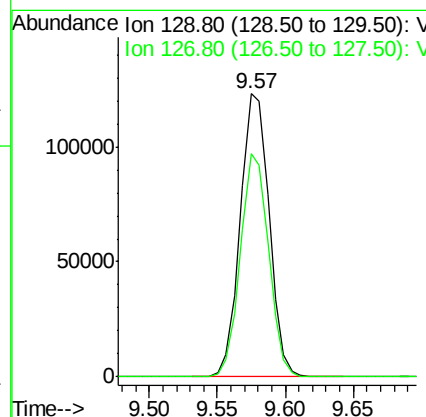
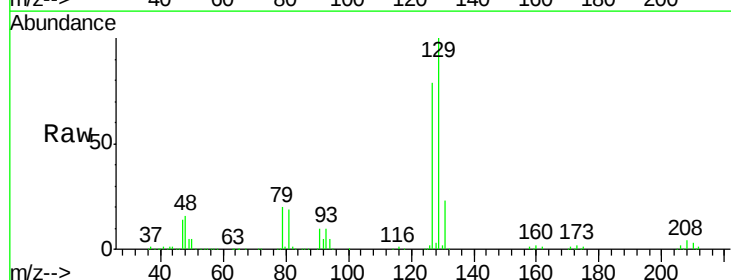
Manual Integrations
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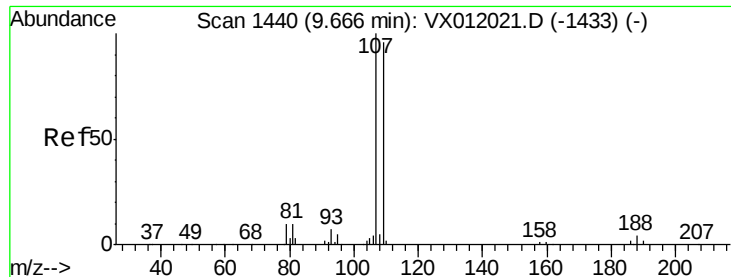
sam
9/4/2019 4:46:24 PM



#60
Dibromochloromethane
Concen: 102.297 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 129 Resp: 182626
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.5





#61

1,2-Dibromoethane

Concen: 115.531 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 147782

Ion Ratio Lower Upper

107 100

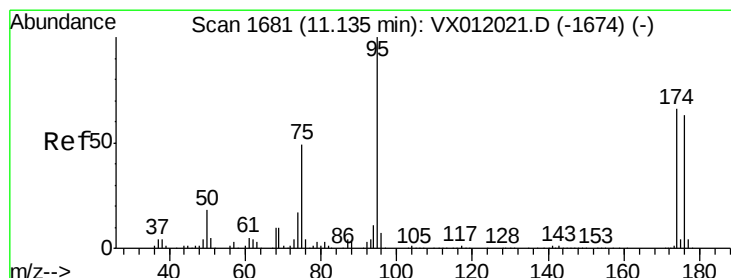
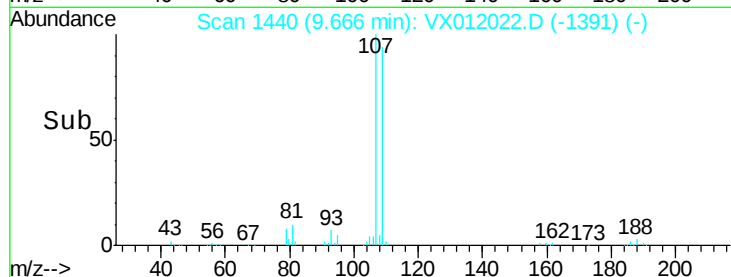
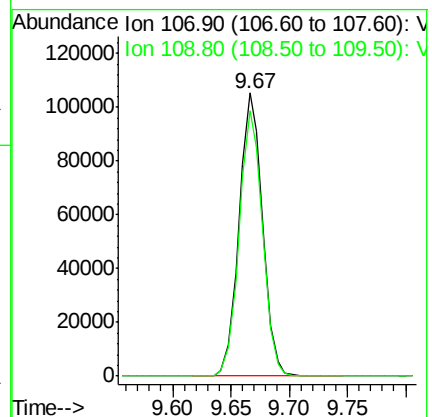
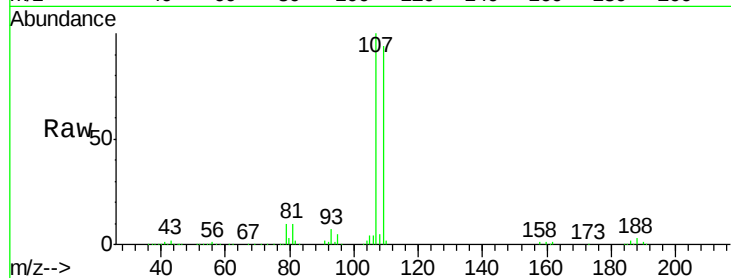
109 93.5 76.9 115.3

Manual Integrations

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sam

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#62

4-Bromofluorobenzene

Concen: 97.278 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

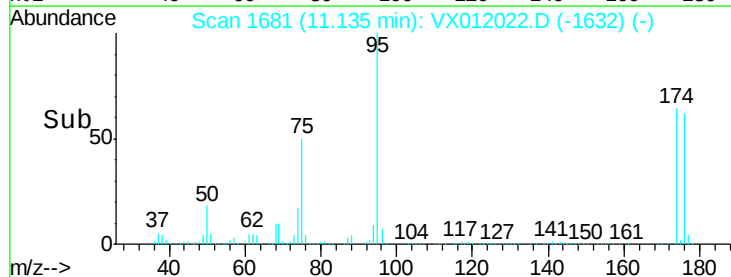
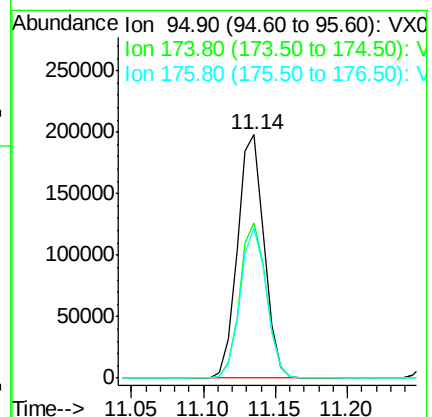
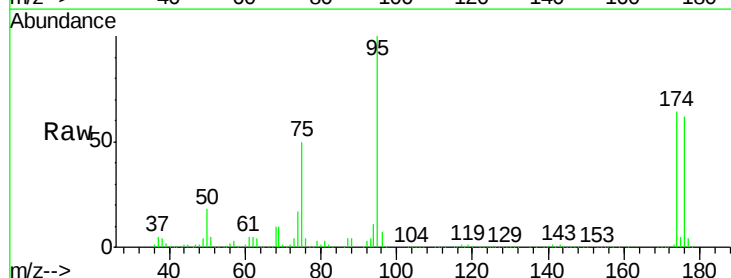
Tgt Ion: 95 Resp: 256405

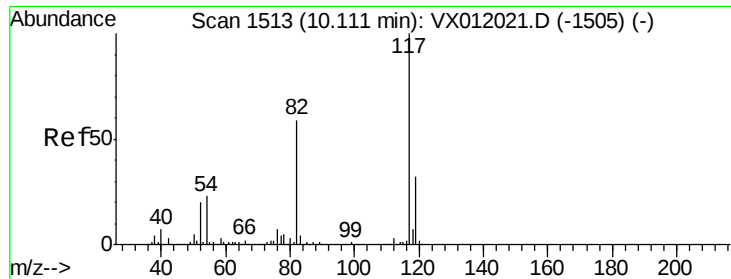
Ion Ratio Lower Upper

95 100

174 63.5 0.0 205.4

176 60.9 0.0 201.8





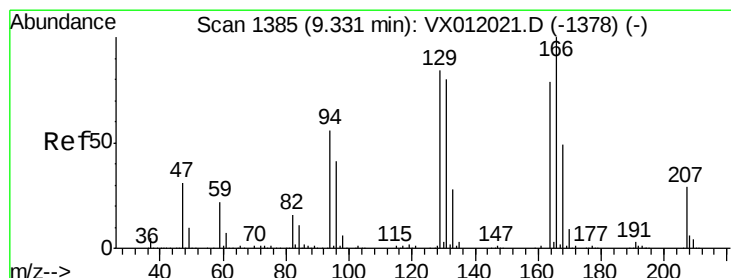
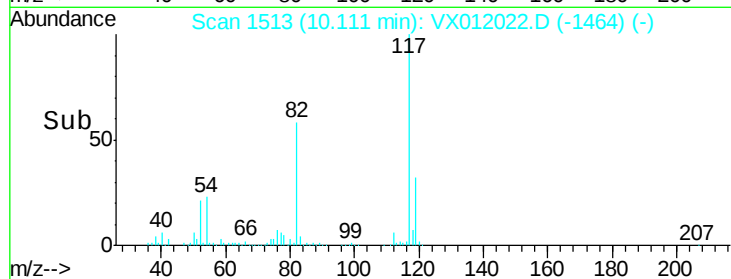
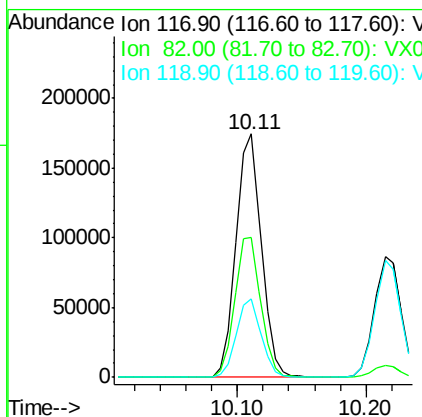
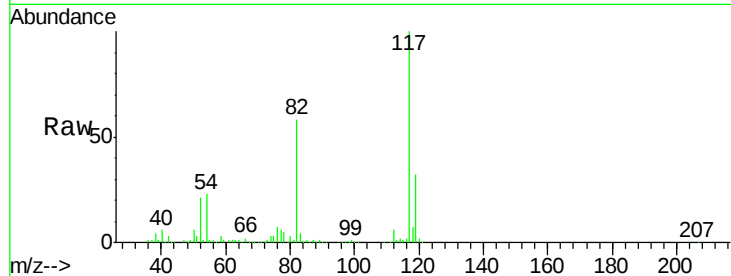
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	239695		
82	57.6		39.4	59.0
119	32.3		26.1	39.1

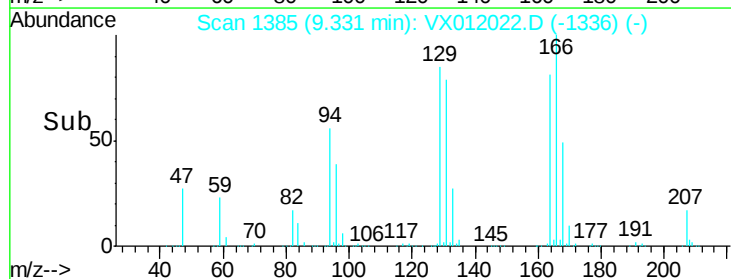
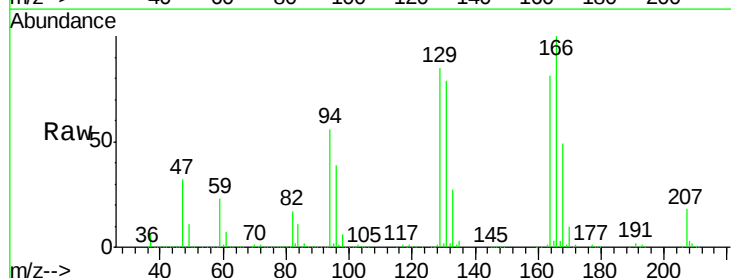
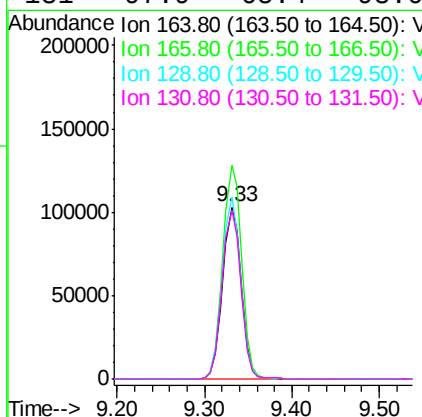
Manual Integrations
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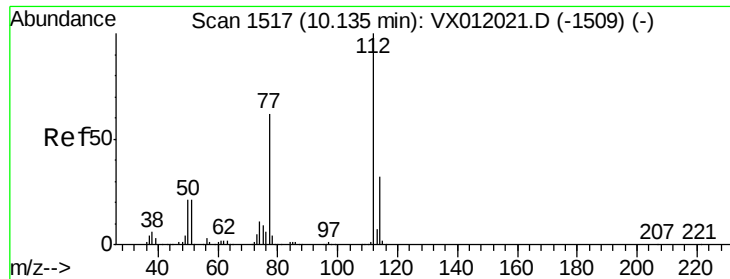
sam
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#64
Tetrachloroethene
Concen: 77.235 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	152362		
166	124.1		104.3	156.5
129	105.6		68.3	102.5#
131	97.9		65.4	98.0





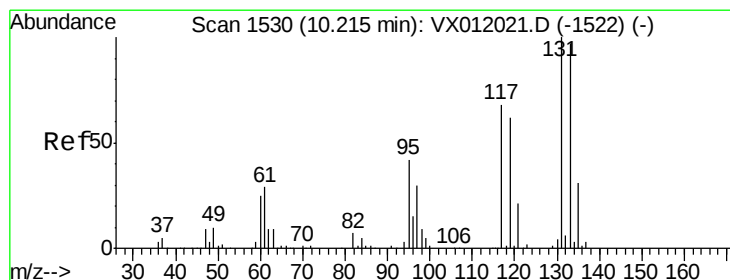
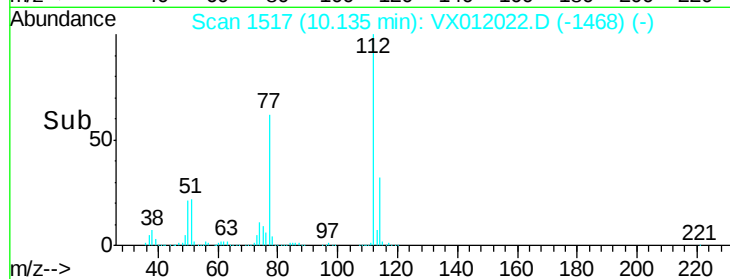
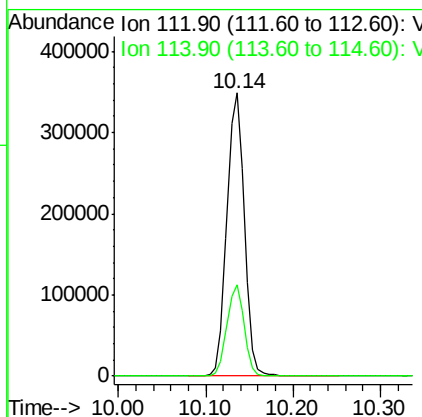
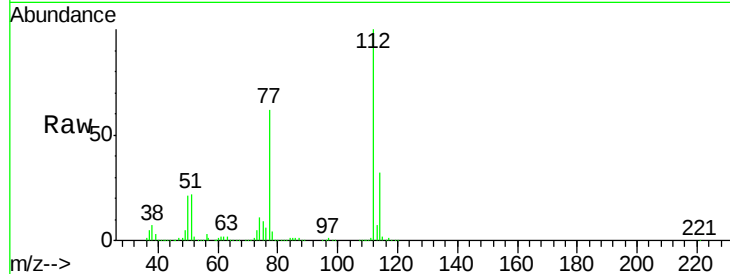
#65
Chlorobenzene
Concen: 106.707 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
112	100	482821		
114	32.3	26.2	39.2	

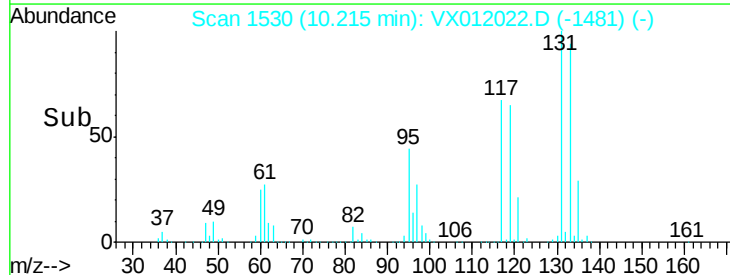
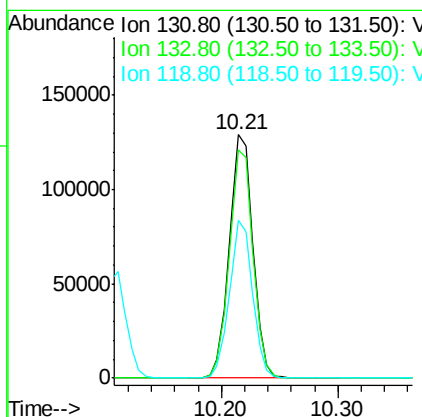
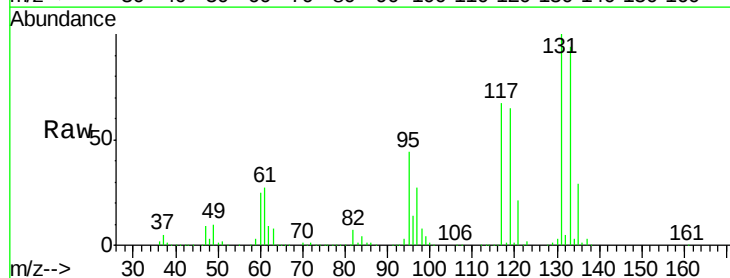
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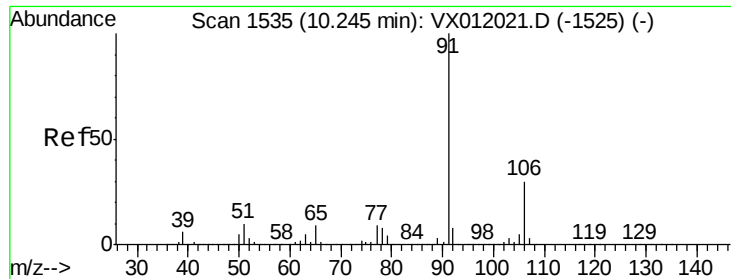
sam
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#66
1,1,1,2-Tetrachloroethane
Concen: 100.199 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	181940		
133	94.0	48.4	145.0	
119	63.5	30.5	91.5	





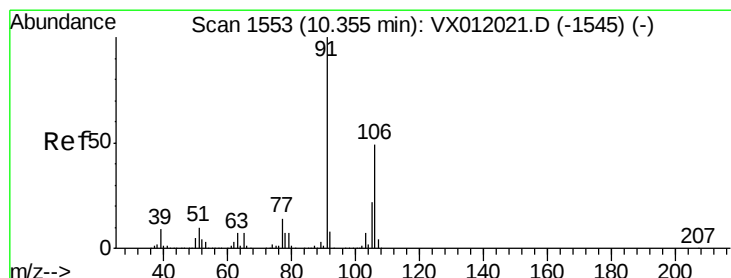
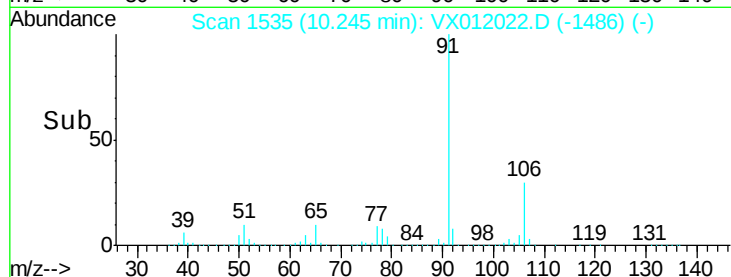
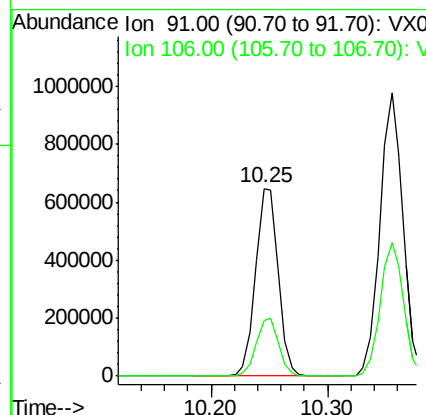
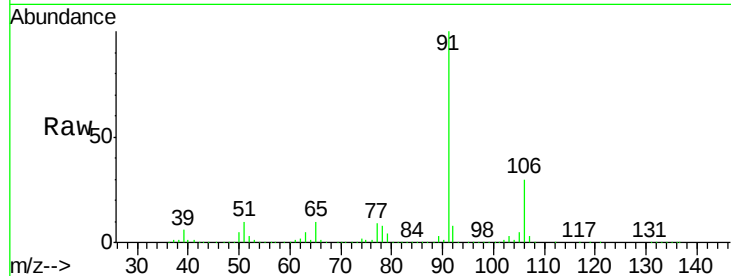
#67
Ethyl Benzene
Concen: 115.348 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 881751
Ion Ratio Lower Upper
91 100
106 29.9 25.8 38.8

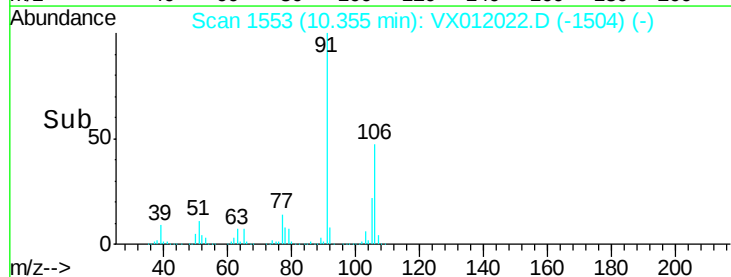
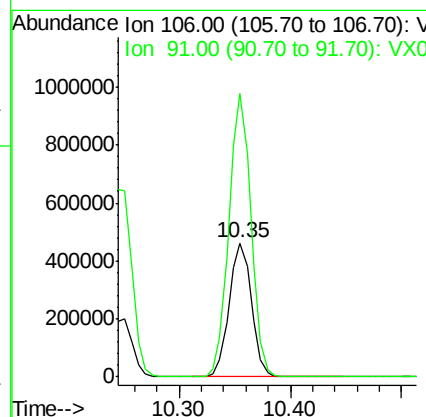
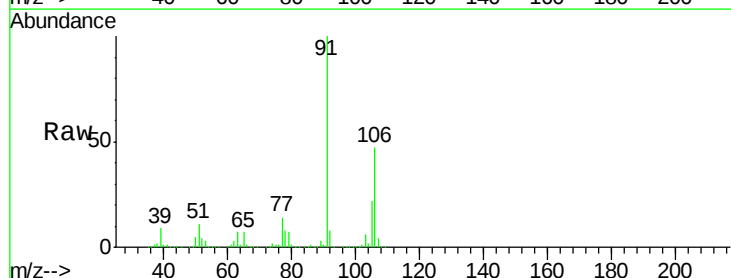
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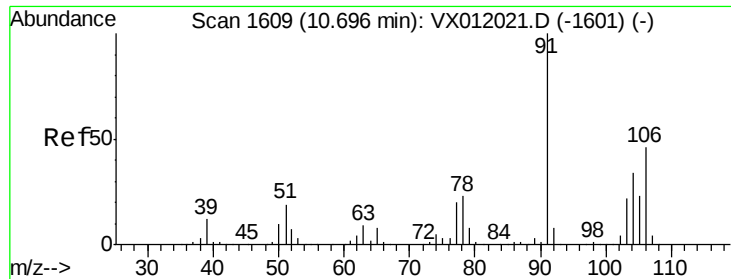
sam
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#68
m/p-Xylenes
Concen: 213.461 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion: 106 Resp: 640744
Ion Ratio Lower Upper
106 100
91 209.1 157.5 236.3





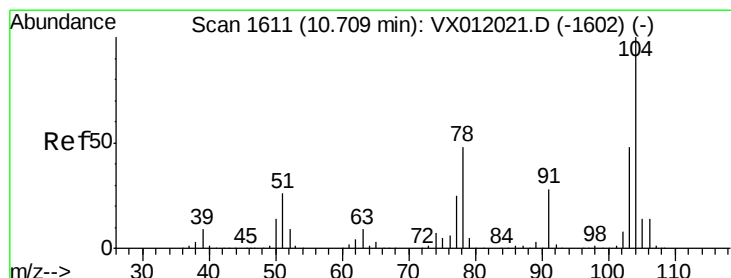
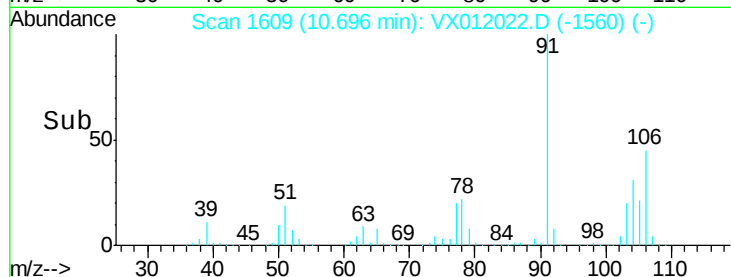
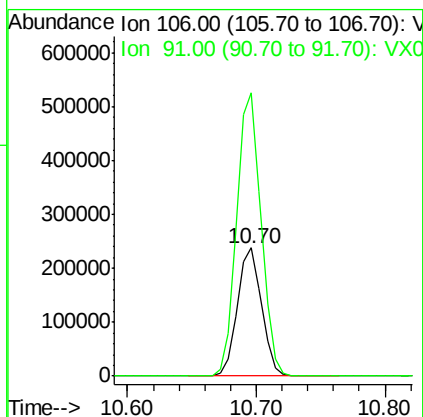
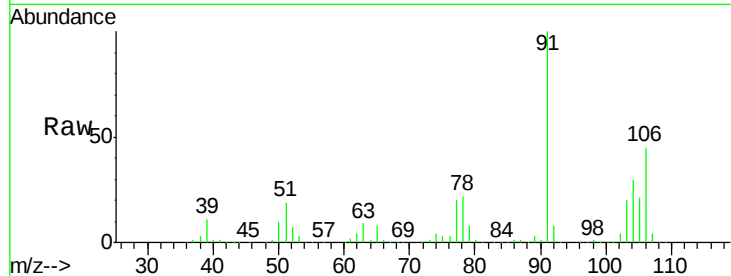
#69
o-Xylene
Concen: 106.542 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
106	100	310227		
91	222.5	103.5	310.3	

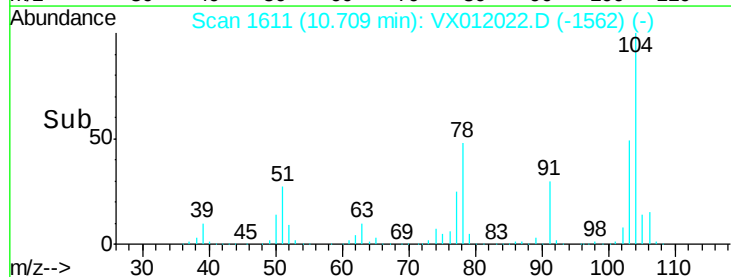
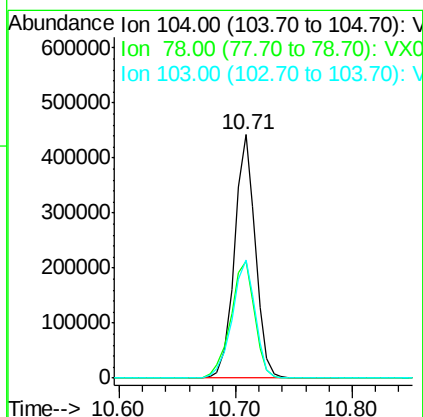
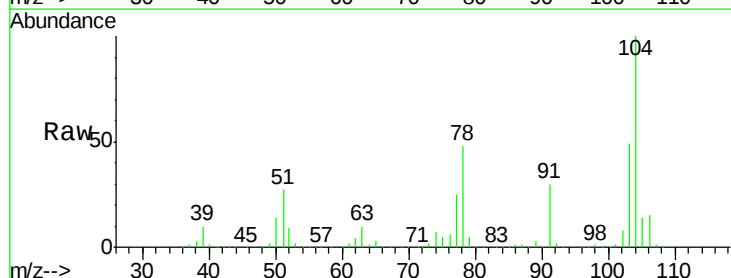
Manual Integrations
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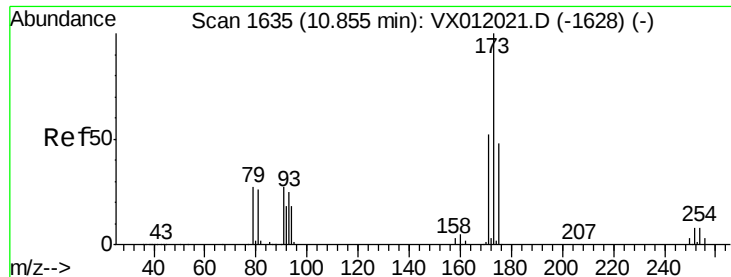
sam
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#70
Styrene
Concen: 110.015 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	549625		
78	55.0	39.1	58.7	
103	53.7	43.4	65.2	





#71

Bromoform

Concen: 82.174 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 103528

Ion Ratio Lower Upper

173 100

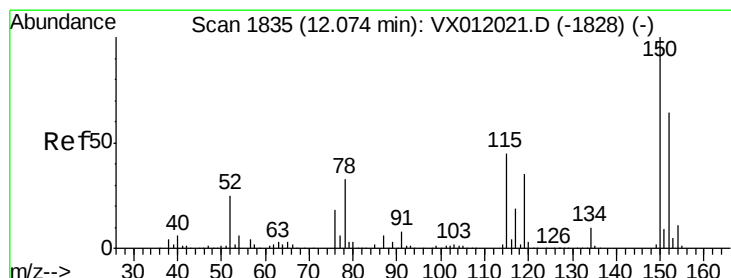
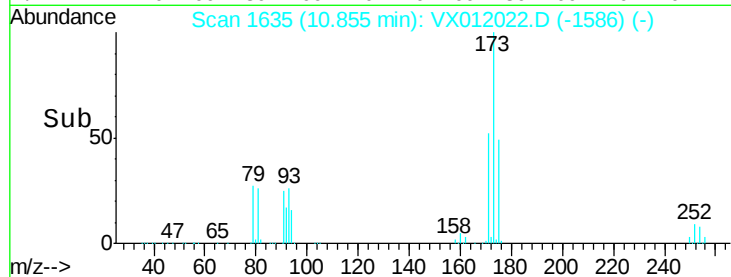
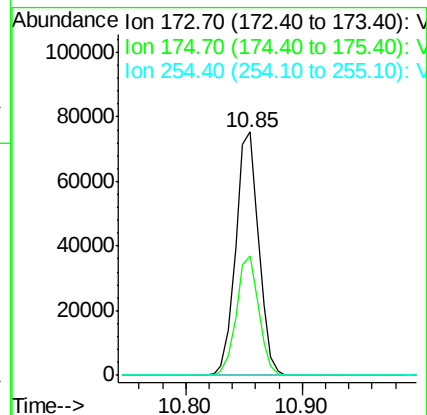
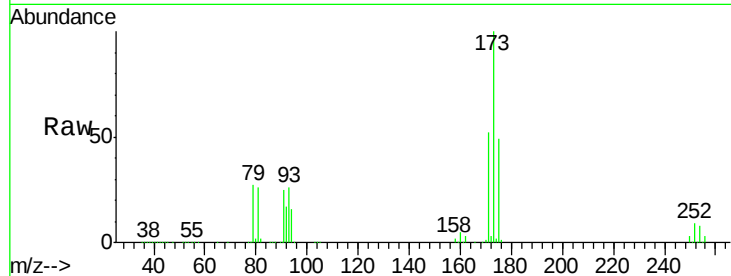
175 47.8 24.9 74.7

254 0.1 0.1 0.1#

Manual Integrations
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sam

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

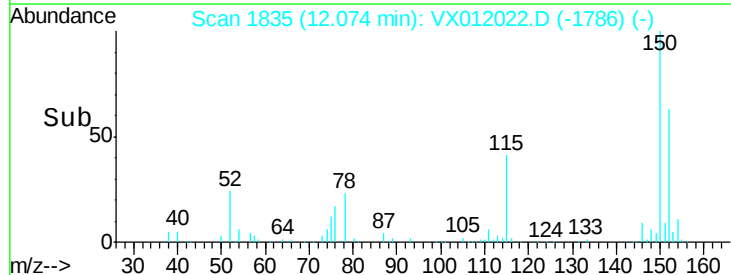
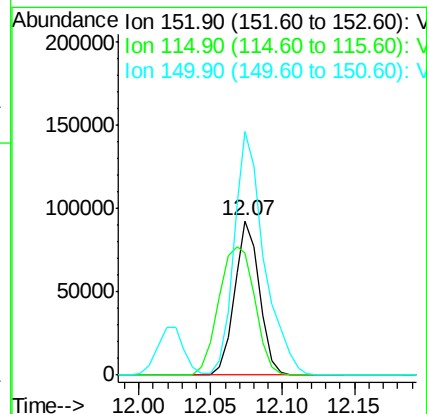
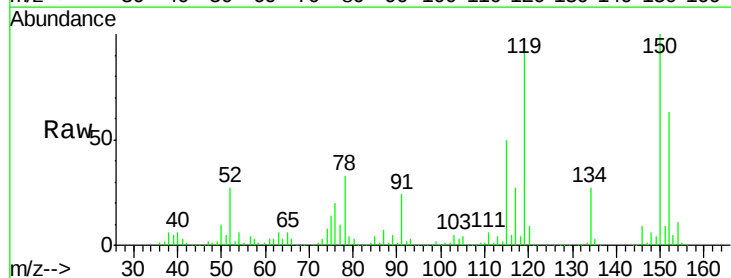
Tgt Ion:152 Resp: 112025

Ion Ratio Lower Upper

152 100

115 120.6 36.4 109.3#

150 190.1 0.0 341.2





#73

Isopropylbenzene

Concen: 135.796 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 848920

Ion Ratio Lower Upper

105 100

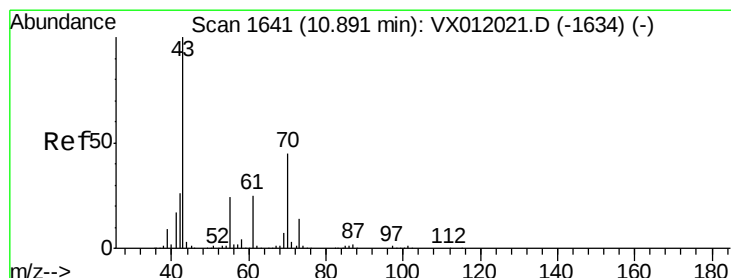
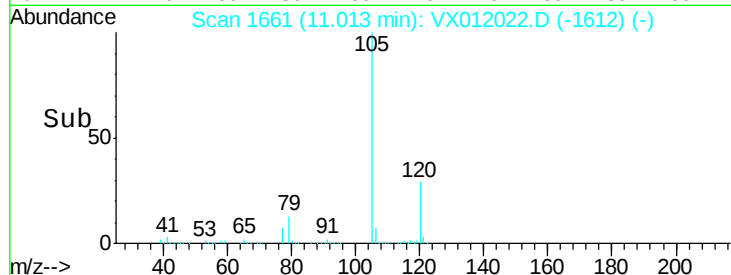
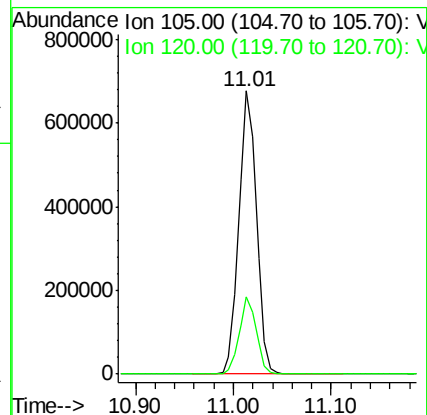
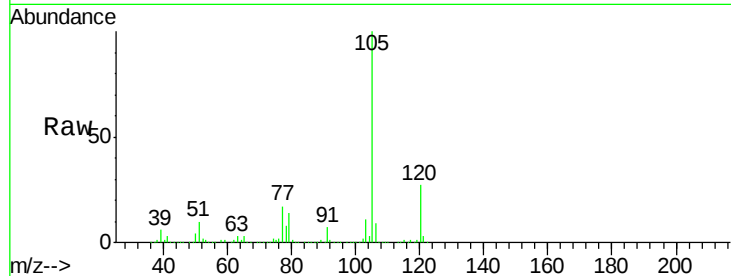
120 26.3 13.9 41.6

Manual Integrations

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sam

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#74

N-ethyl acetate

Concen: 170.809 ug/l

RT: 10.89 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion: 43 Resp: 266262

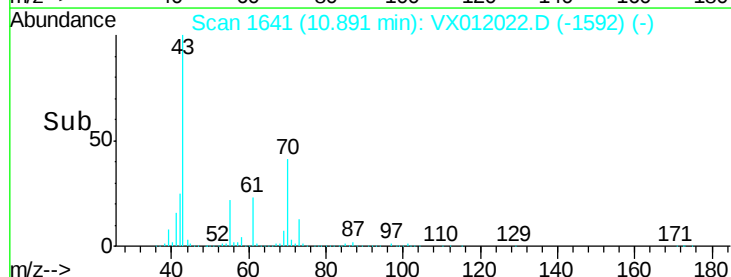
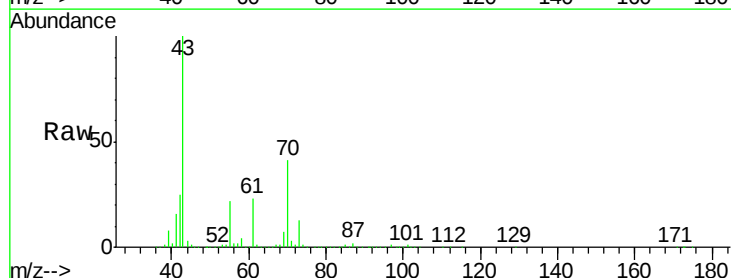
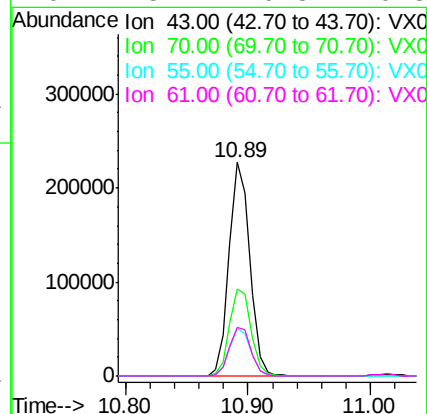
Ion Ratio Lower Upper

43 100

70 42.5 34.4 51.6

55 22.8 18.5 27.7

61 23.7 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 160.574 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 183772

Ion Ratio Lower Upper

83 100

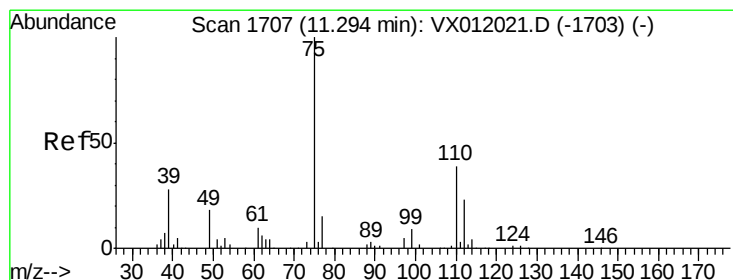
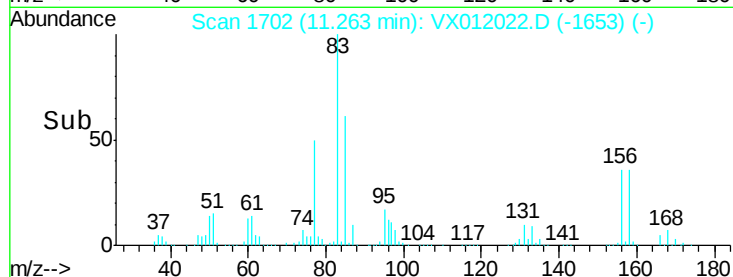
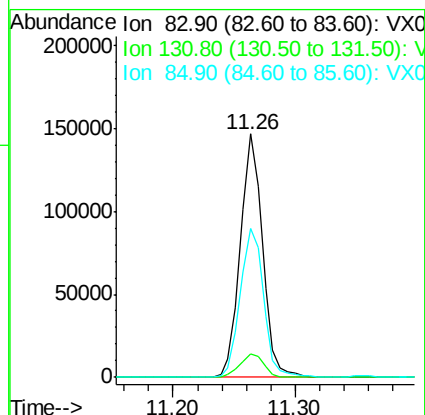
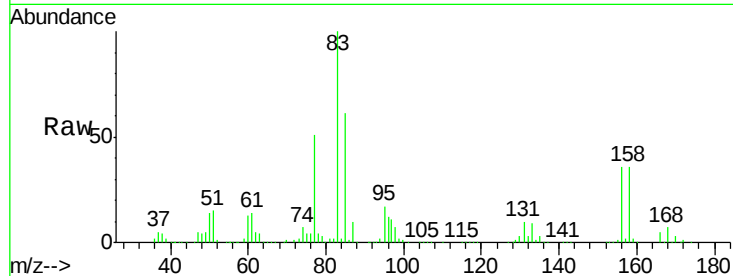
131 10.3 6.3 19.1

85 64.3 32.5 97.4

Manual Integrations
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sam

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#76

1,2,3-Trichloropropane

Concen: 156.839 ug/l m

RT: 11.29 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX012022.D

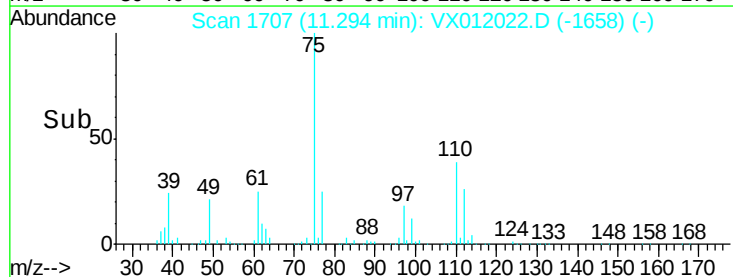
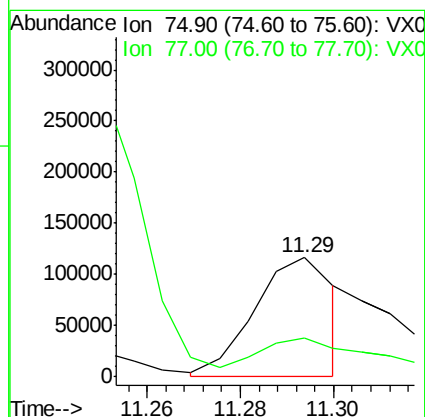
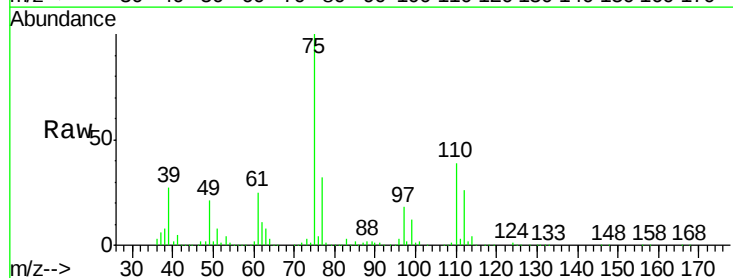
Acq: 03 Sep 2019 14:34

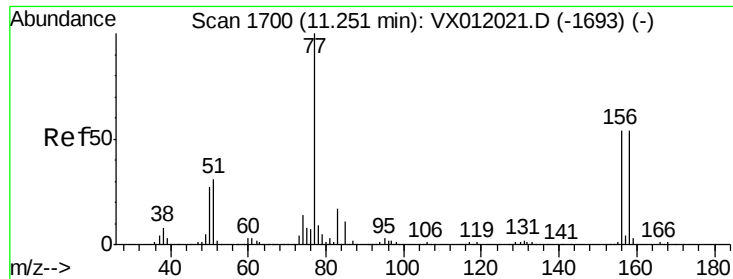
Tgt Ion: 75 Resp: 139080

Ion Ratio Lower Upper

75 100

77 47.6 23.5 70.5





#77

Bromobenzene

Concen: 105.463 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

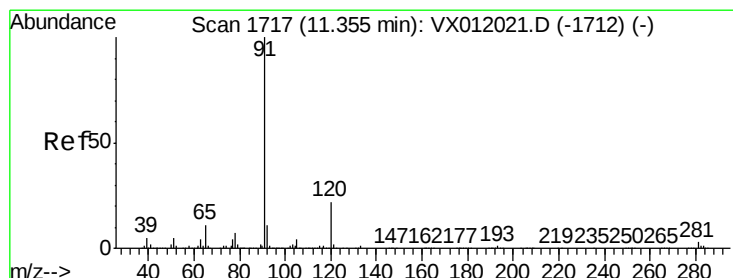
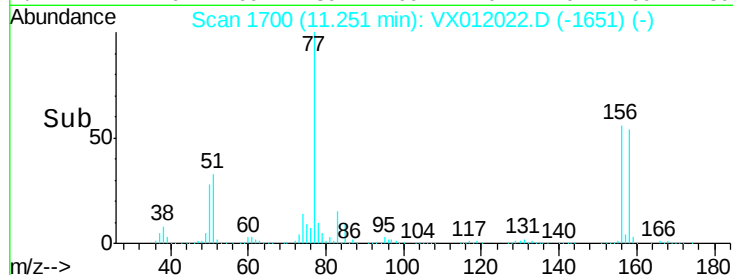
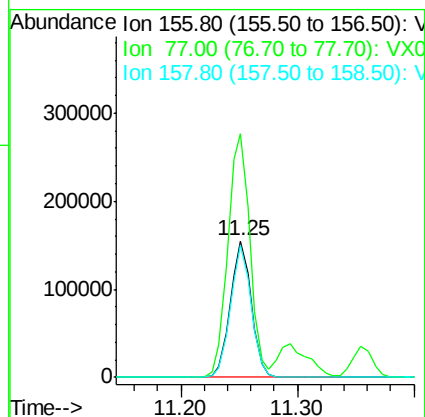
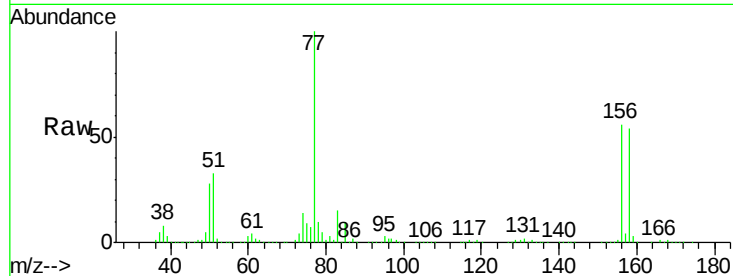
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	192769
Ion Ratio	Lower	Upper	
156	100		
77	187.5	63.4	190.2
158	95.9	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 148.078 ug/l

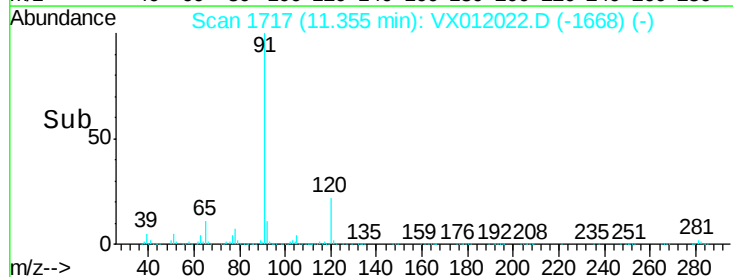
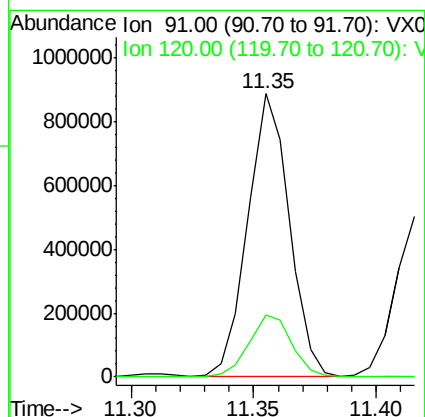
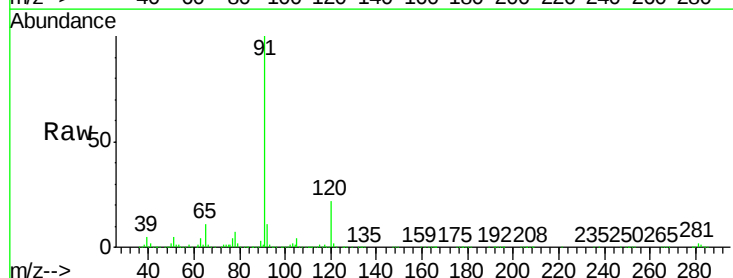
RT: 11.35 min Scan# 1717

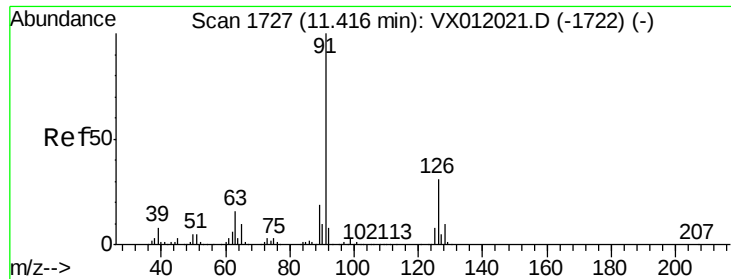
Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion:	91	Resp:	1041702
Ion Ratio	Lower	Upper	
91	100		
120	22.5	12.7	38.0





#79

2-Chlorotoluene

Concen: 149.852 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 624097

Ion Ratio Lower Upper

91 100

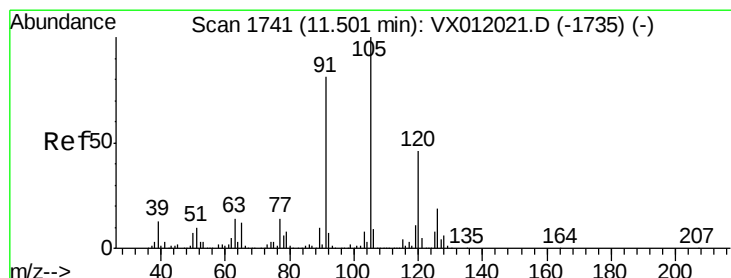
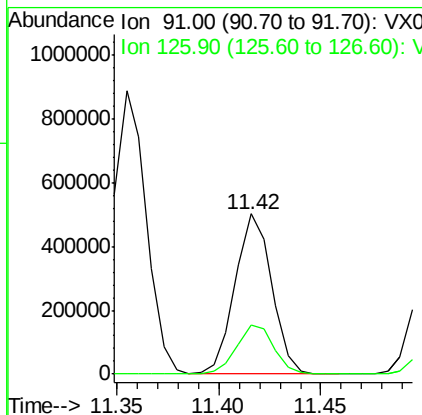
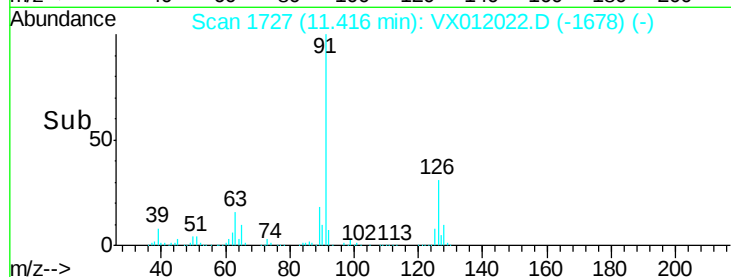
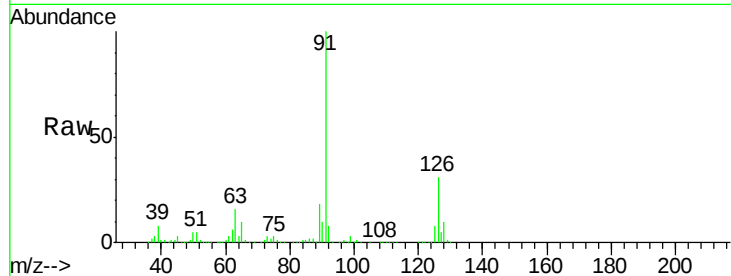
126 31.4 18.6 55.8

Manual Integrations

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sam

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#80

1,3,5-Trimethylbenzene

Concen: 136.746 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012022.D

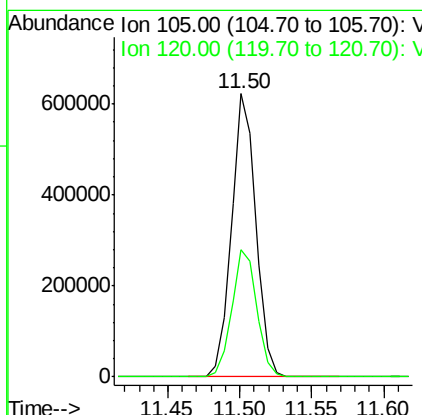
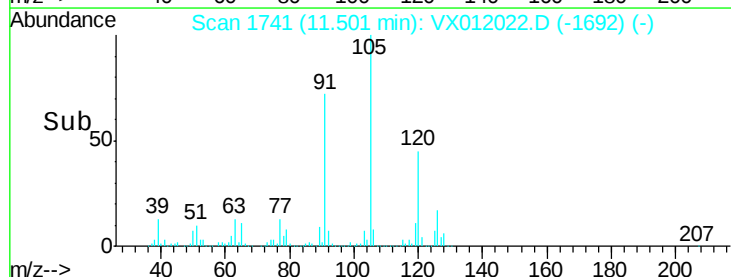
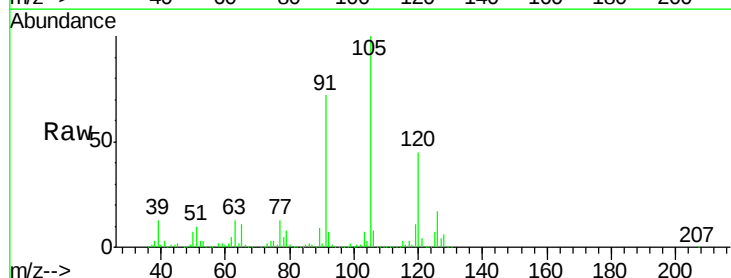
Acq: 03 Sep 2019 14:34

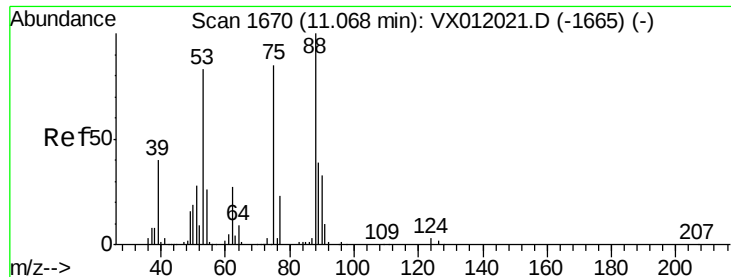
Tgt Ion: 105 Resp: 737430

Ion Ratio Lower Upper

105 100

120 46.4 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 166.945 ug/l

RT: 11.07 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampled :

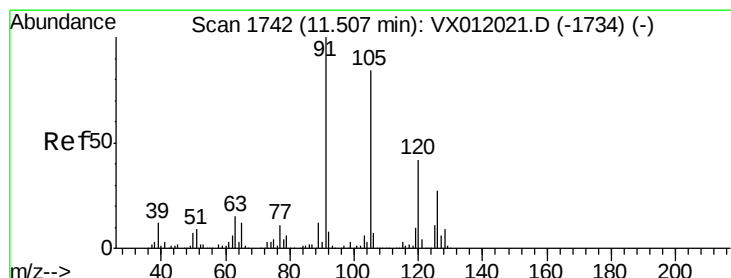
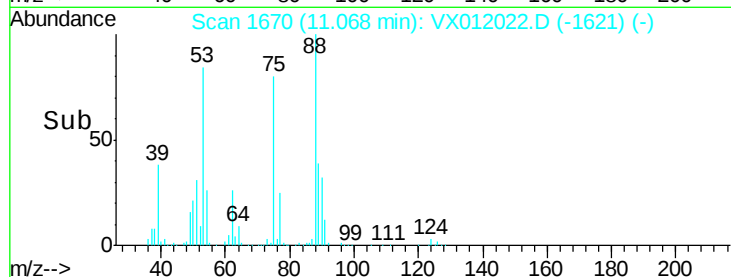
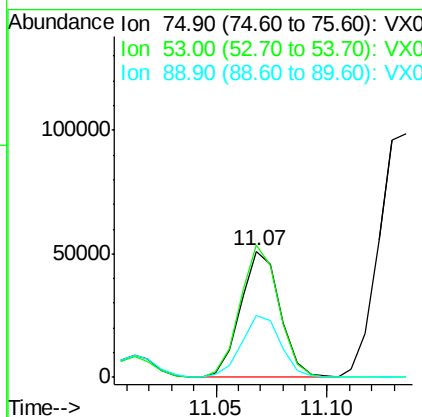
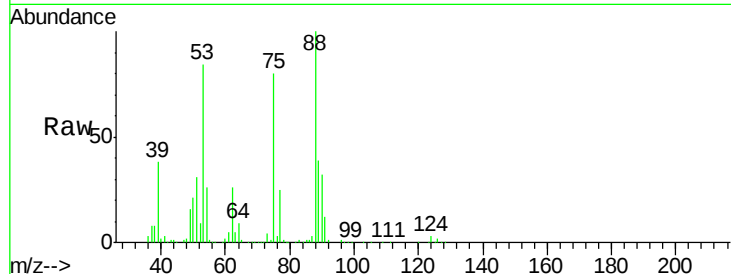
VSTDIC100

Tot Ion:	75	Resp:	62755
Ion	Ratio	Lower	Upper
75	100		
53	102.6	78.6	117.8
89	49.0	38.8	58.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 144.981 ug/l

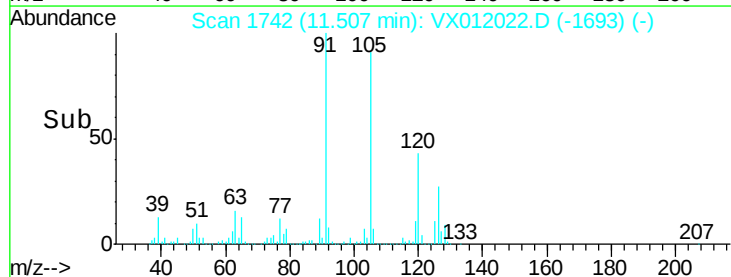
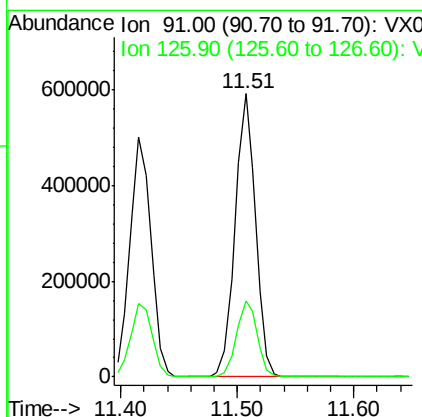
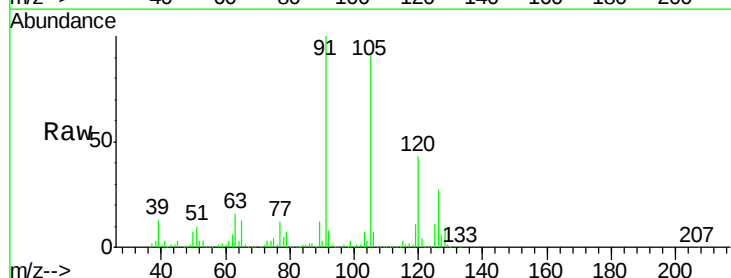
RT: 11.51 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion:	91	Resp:	724529
Ion	Ratio	Lower	Upper
91	100		
126	27.3	16.2	48.6





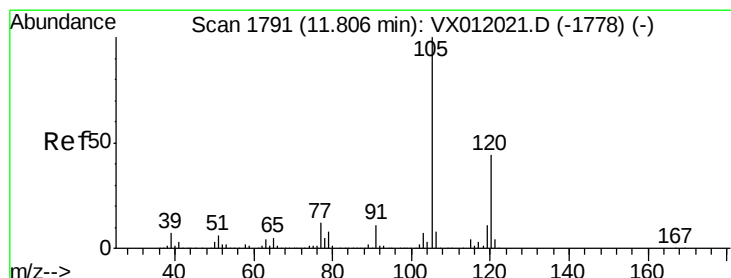
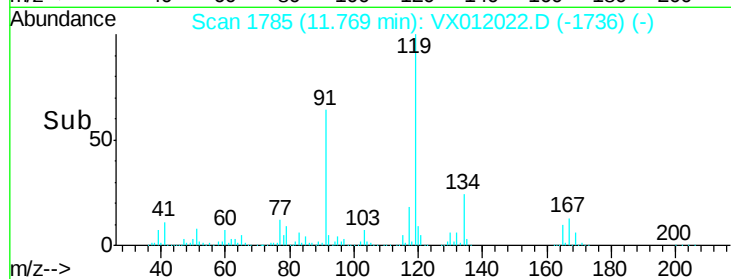
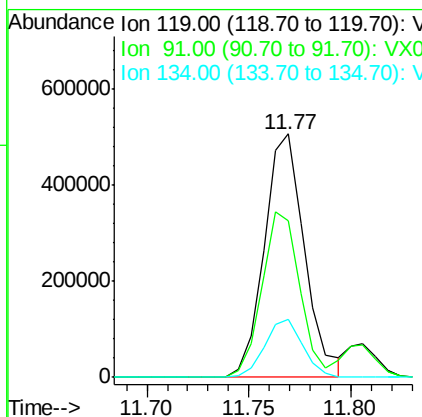
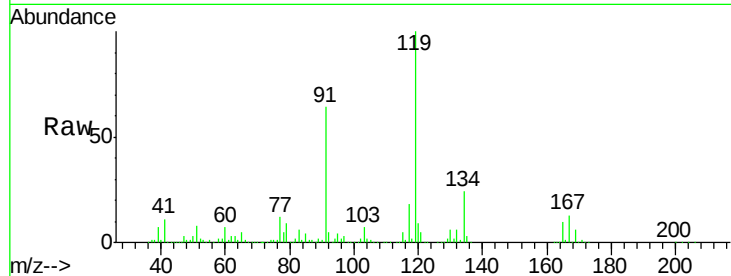
#83
tert-Butylbenzene
Concen: 124.722 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	27.1	81.2
134	22.6	12.1	36.3

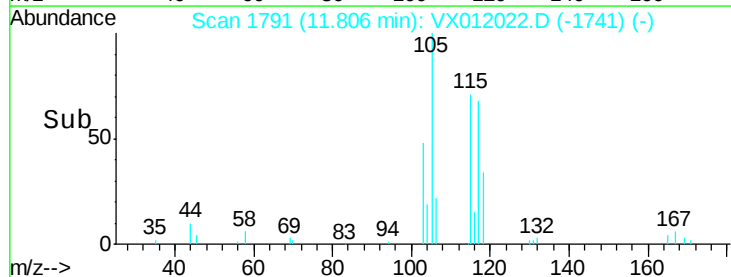
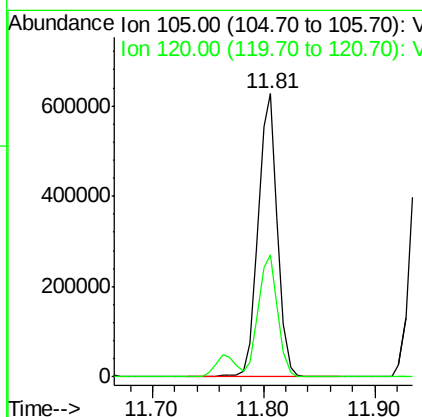
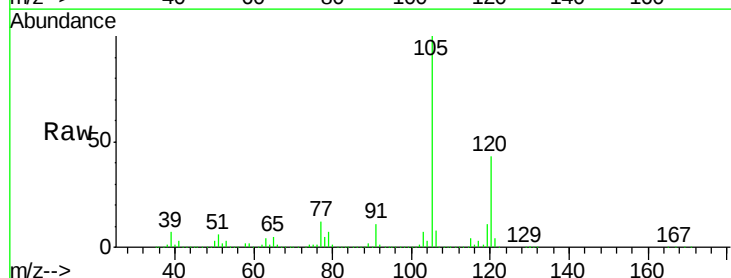
Manual Integrations
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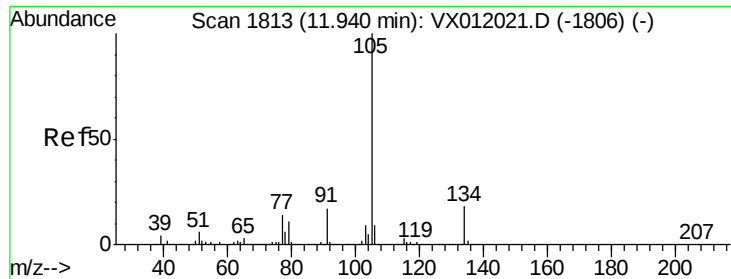
sam
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#84
1,2,4-Trimethylbenzene
Concen: 137.690 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	23.6	70.8





#85

sec-Butylbenzene

Concen: 134.187 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 859162

Ion Ratio Lower Upper

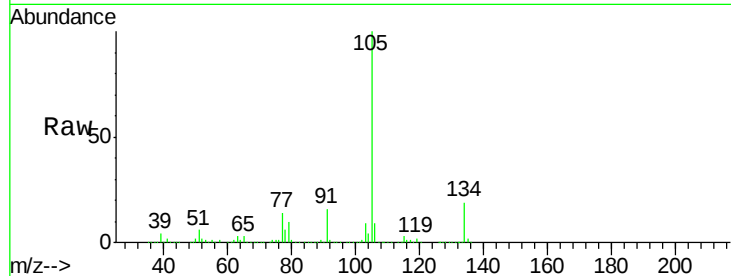
105 100

134 19.3 11.2 33.6

Manual Integrations
APPROVED

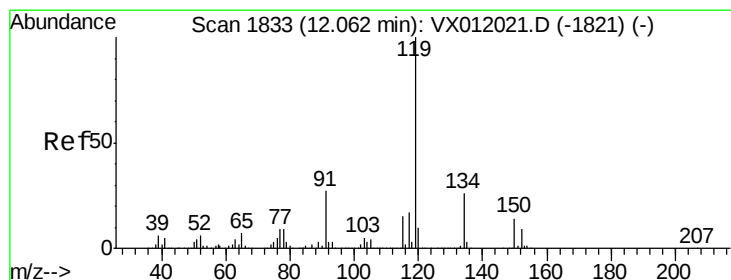
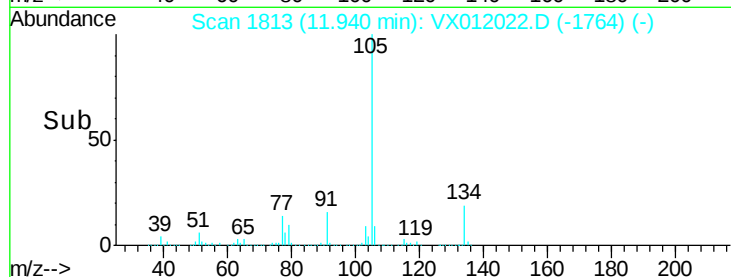
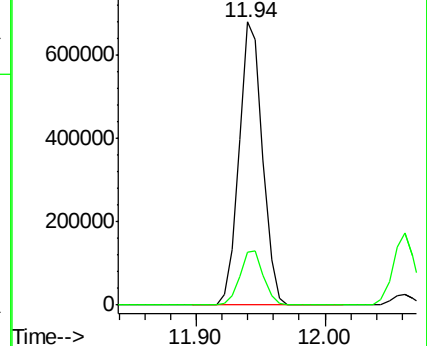
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 124.682 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

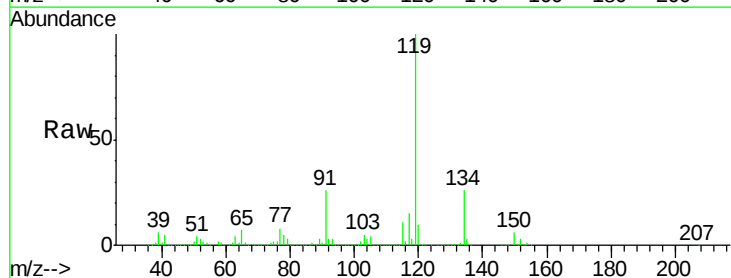
Tgt Ion:119 Resp: 781606

Ion Ratio Lower Upper

119 100

134 25.8 13.7 41.1

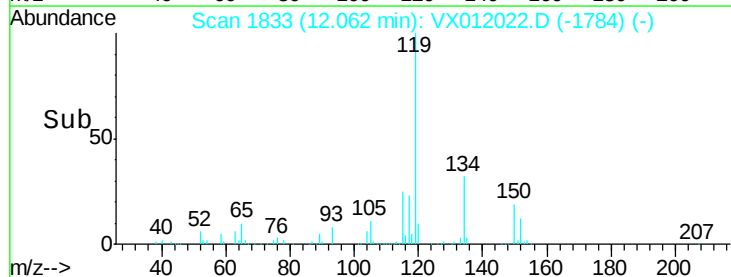
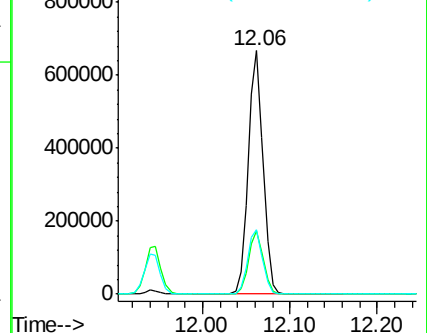
91 26.6 11.4 34.1

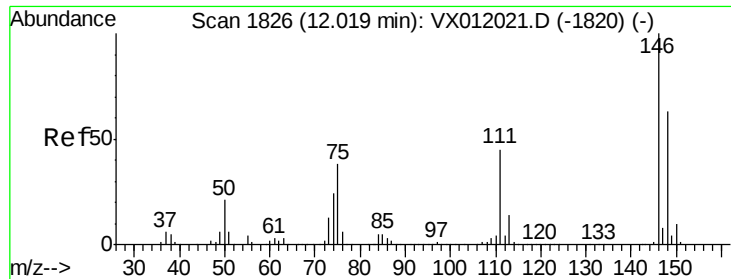


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 109.038 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

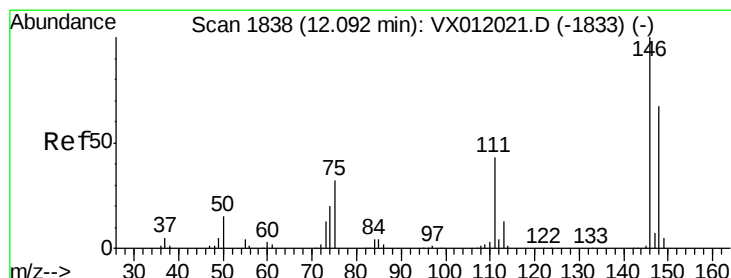
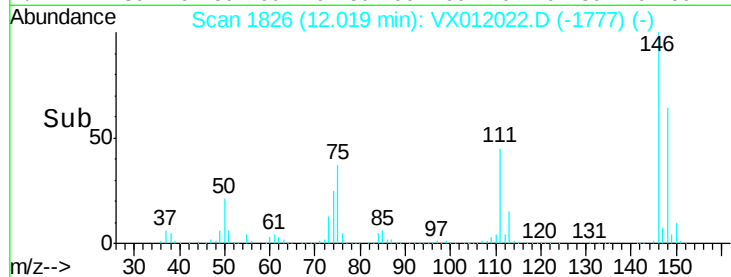
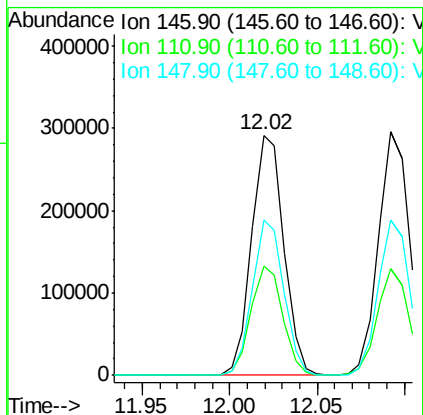
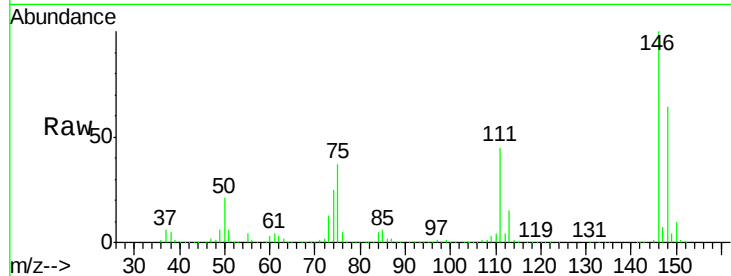
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	373779
Ion Ratio	Lower	Upper	
146	100		
111	45.2	18.1	54.1
148	63.1	32.6	97.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 107.333 ug/l

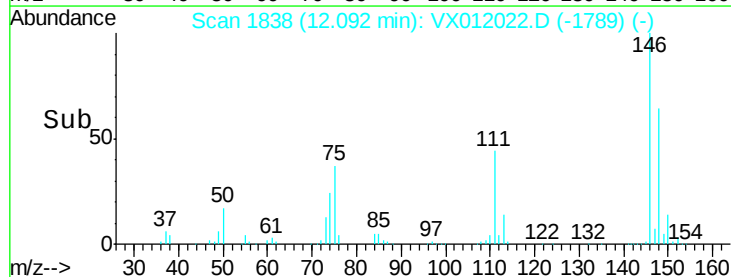
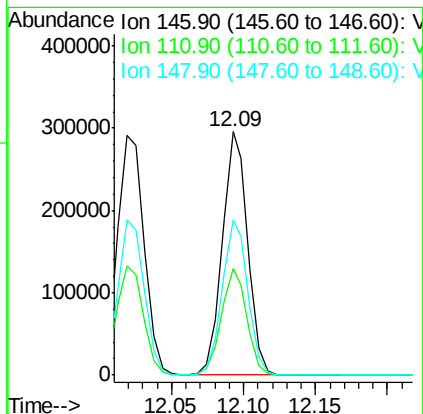
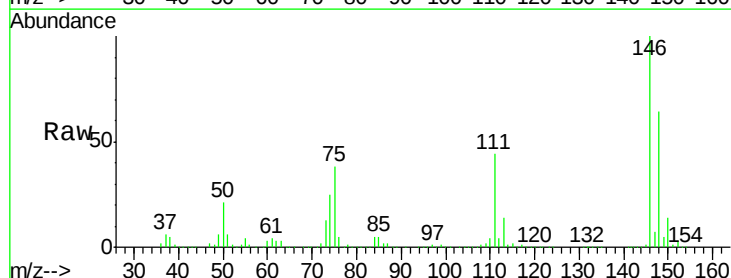
RT: 12.09 min Scan# 1838

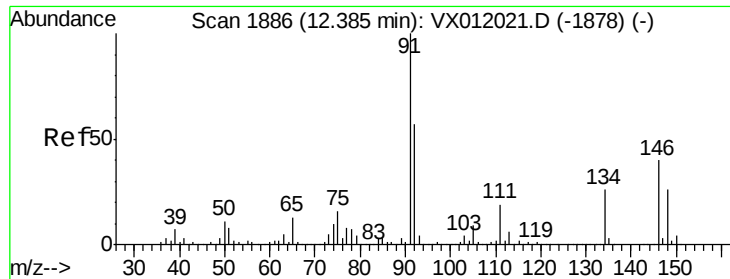
Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion:	146	Resp:	365561
Ion Ratio	Lower	Upper	
146	100		
111	43.9	17.7	53.1
148	64.6	32.4	97.0





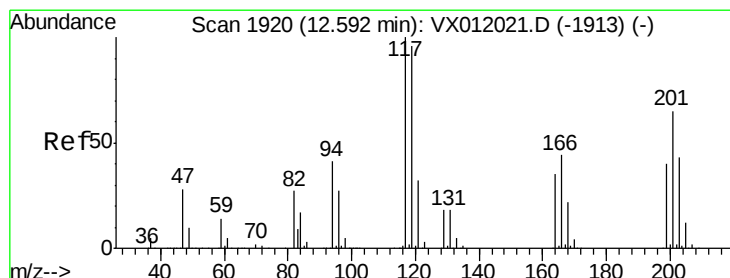
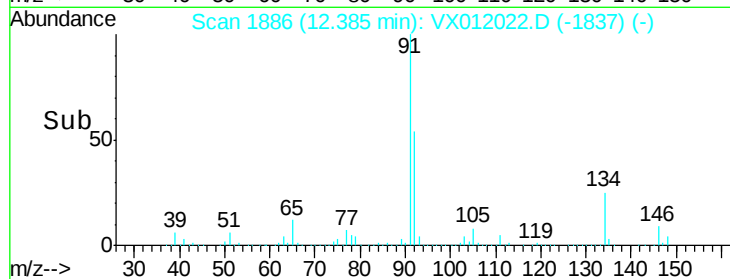
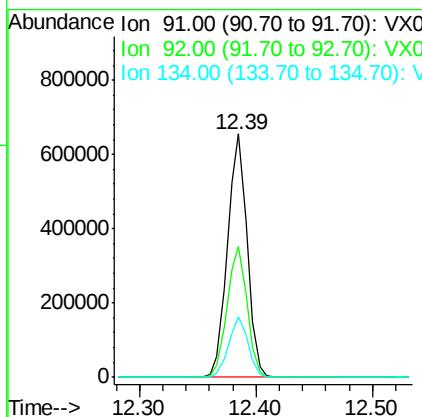
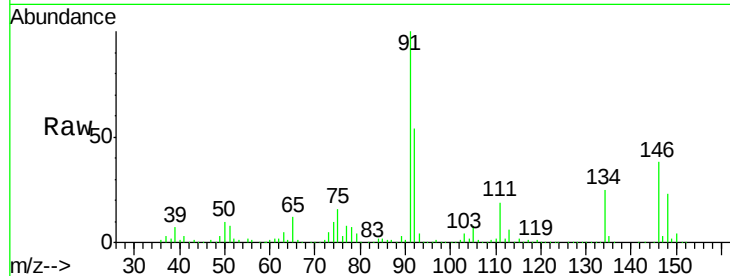
#89
n-Butylbenzene
Concen: 140.586 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.6	82.8
134	24.7	15.4	46.1

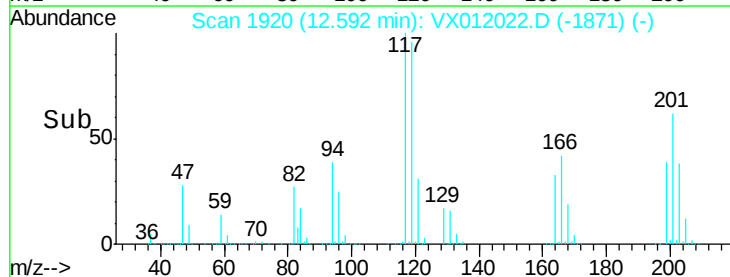
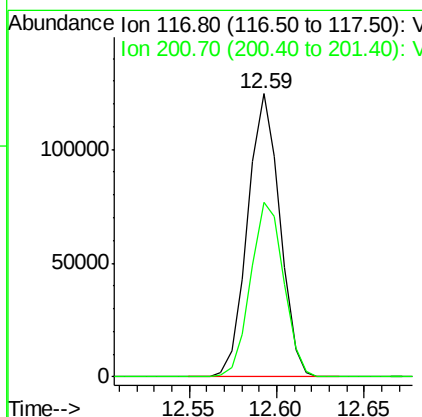
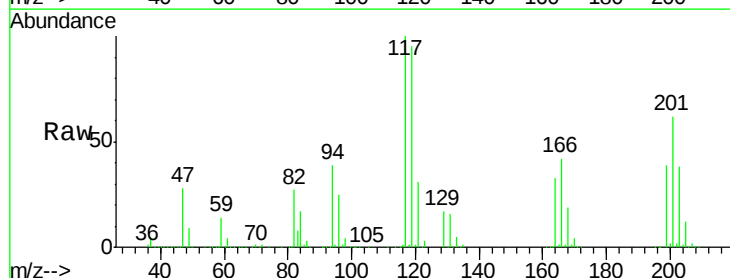
Manual Integrations
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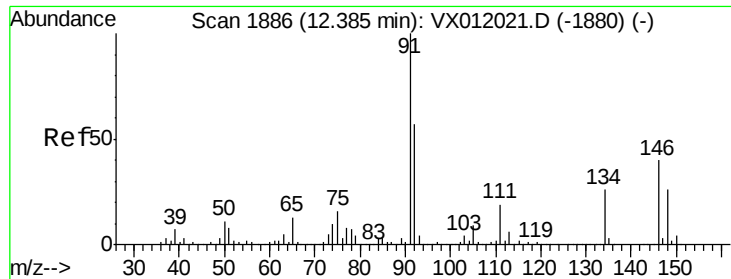
sam
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#90
Hexachloroethane
Concen: 135.260 ug/l
RT: 12.59 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VX012022.D
Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.6	55.0	165.2





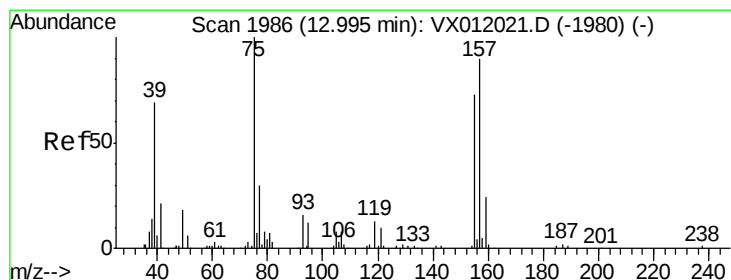
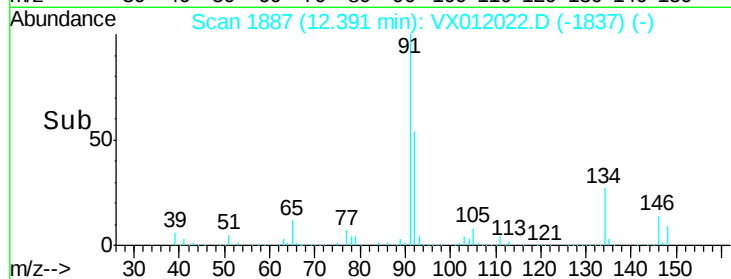
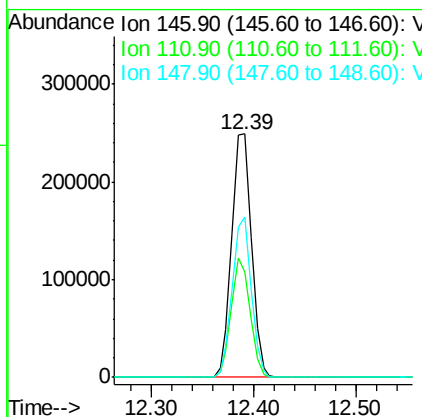
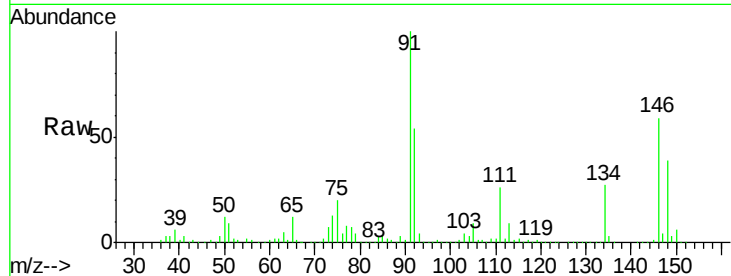
#91
 1,2-Dichlorobenzene
 Concen: 107.486 ug/l
 RT: 12.39 min Scan# 1887
 Delta R.T. 0.01 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	332641		
111	46.4	18.6	56.0	
148	63.2	32.4	97.2	

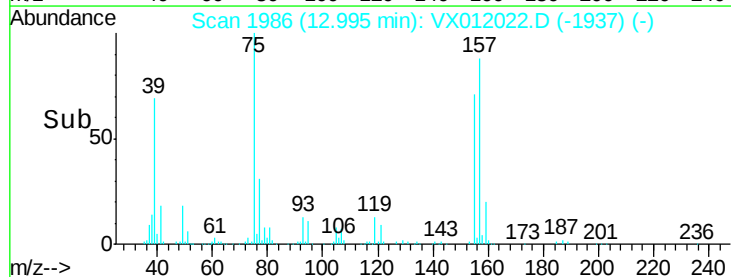
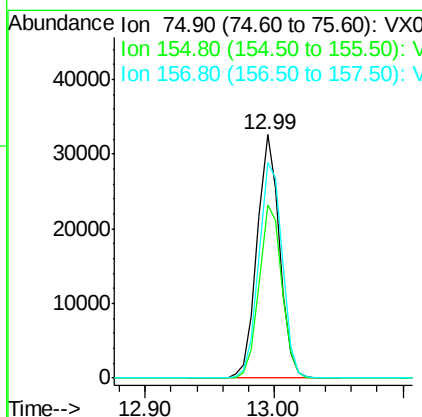
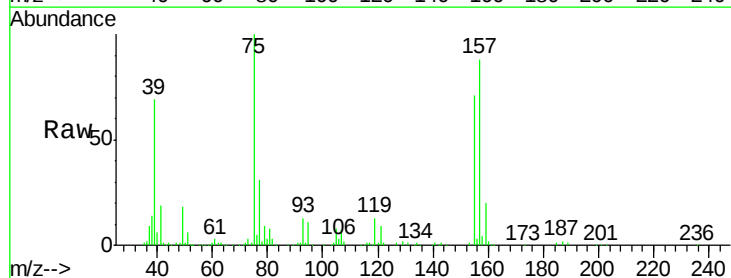
Manual Integrations
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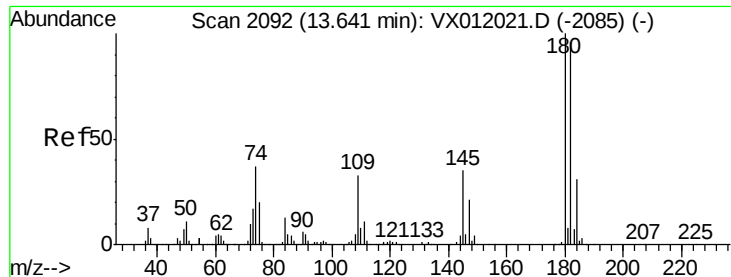
sam
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 172.807 ug/l
 RT: 12.99 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38831		
155	72.3	51.7	155.2	
157	92.8	66.9	200.7	





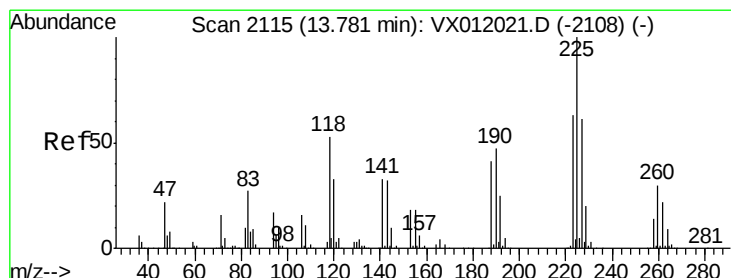
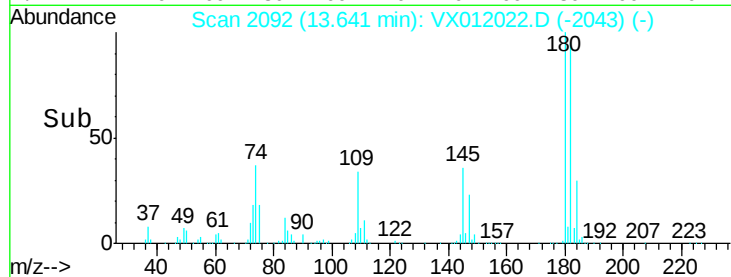
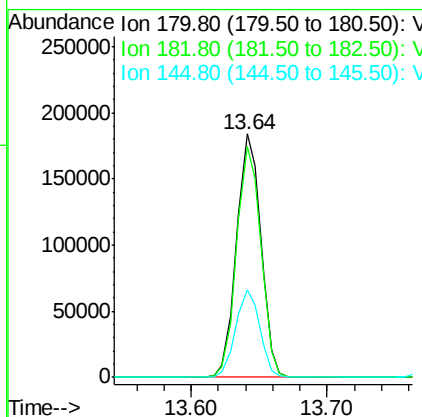
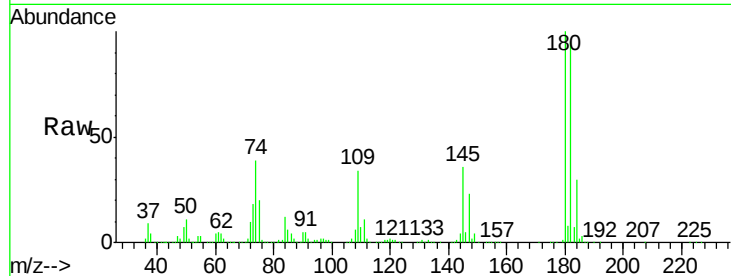
#93
 1,2,4-Trichlorobenzene
 Concen: 85.091 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	229127		
182	94.9	47.3	142.0	
145	35.6	13.7	41.0	

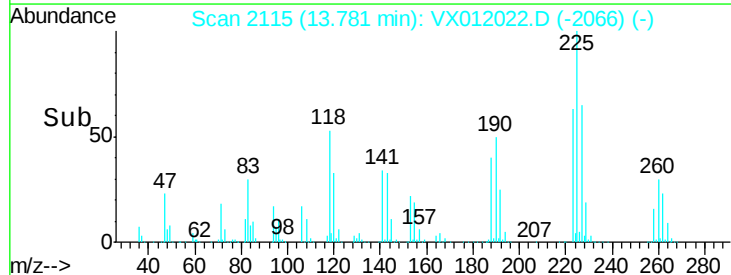
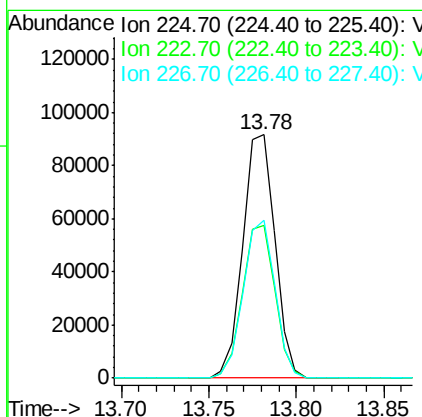
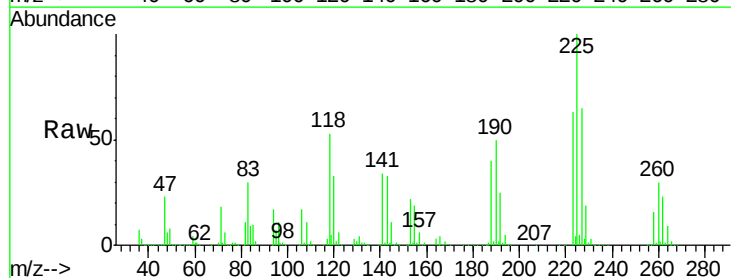
Manual Integrations
 APPROVED

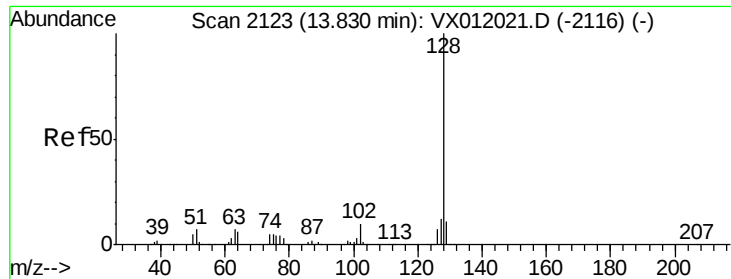
sam
 9/4/2019 4:46:24 PM



#94
 Hexachlorobutadiene
 Concen: 62.562 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VX012022.D
 Acq: 03 Sep 2019 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	117699		
223	63.6	31.6	95.0	
227	63.8	32.5	97.5	





#95

Naphthalene

Concen: 127.676 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Instrument :

MSVOA_X

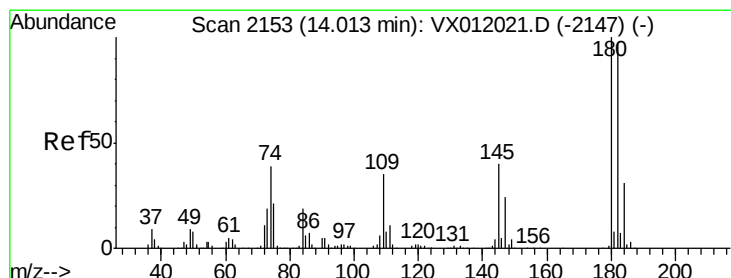
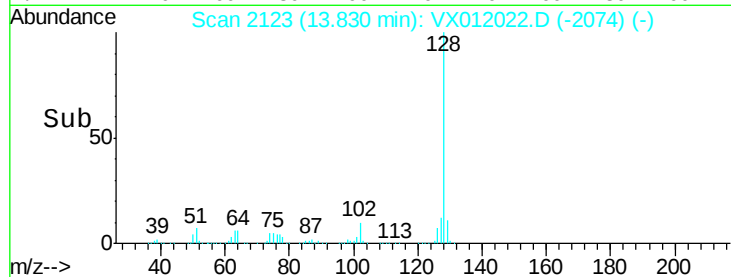
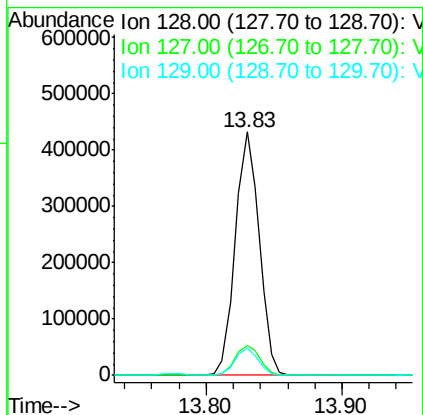
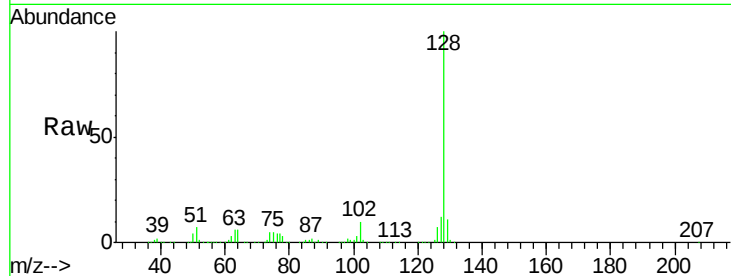
ClientSampleId :

VSTDICC100

Tot Ion:	128	Resp:	528628
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

sam
9/4/2019 4:46:24 PM



#96

1,2,3-Trichlorobenzene

Concen: 85.370 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VX012022.D

Acq: 03 Sep 2019 14:34

Tgt Ion:	180	Resp:	202127
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.9	143.6
145	37.3	14.1	42.4

