

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038378.D
 Acq On : 22 Feb 2022 6:04
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Feb 22 07:56:53 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 07:53:26 2022

QLast Update : Tue Feb 22 07:53:26 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	946699	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2314230	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2075674	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1719039	10.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	96597	0.51	ppbv	94
3) Chlorodifluoromethane	2.98	51	90894	0.50	ppbv	97
4) Chloromethane	3.13	50	30499	0.48	ppbv	98
5) Vinyl Chloride	3.25	62	13261	0.21	ppbv	92
6) Bromomethane	3.46	94	8597	0.25	ppbv	93
7) Chloroethane	3.55	64	7008	0.33	ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	65599	0.43	ppbv	87
9) Propene	3.00	41	17558	0.29	ppbv #	33
10) Heptane	8.10	43	62975	0.41	ppbv	94
11) Trichlorofluoromethane	3.93	101	76798	0.50	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	55636	0.48	ppbv	96
13) Ethanol	3.61	45	1681	0.27	ppbv #	31
14) Bromoethene	3.73	108	19103	0.42	ppbv #	86
15) Acetone	3.85	43	38031	0.46	ppbv #	86
16) 1,3-Butadiene	3.32	39	24740	0.42	ppbv	88
17) tert-Butyl alcohol	4.30	59	21226	0.24	ppbv #	72
18) 1,1-Dichloroethene	4.27	96	23789	0.48	ppbv	85
20) Methylene Chloride	4.33	84	19899	0.42	ppbv	94
21) Allyl Chloride	4.40	41	18871	0.26	ppbv #	21
22) trans-1,2-Dichloroethene	4.87	96	11376	0.22	ppbv	88
23) Vinyl Acetate	5.06	43	42932	0.36	ppbv	99
24) 1,1-Dichloroethane	4.99	63	50568	0.48	ppbv	98
25) Ethyl Acetate	5.67	43	100557	0.44	ppbv	98
26) Hexane	5.66	57	47625	0.45	ppbv	91
27) Carbon Disulfide	4.54	76	48000	0.39	ppbv #	92
28) Methyl tert-Butyl Ether	5.03	73	47237	0.43	ppbv	94
29) Chloroform	5.73	83	80241	0.46	ppbv	98
30) Cyclohexane	7.10	84	36603	0.40	ppbv	90
31) cis-1,2-Dichloroethene	5.53	61	40390	0.41	ppbv #	87
32) 1,1,1-Trichloroethane	6.49	97	79019	0.45	ppbv	97
34) 2-Butanone	5.25	43	28796	0.38	ppbv #	81
35) Carbon Tetrachloride	6.99	117	44668	0.27	ppbv	96
36) Benzene	6.86	78	99278	0.48	ppbv	96
37) 1,2-Dichloroethane	6.28	62	58629	0.50	ppbv	98
38) Trichloroethene	7.80	130	14850	0.19	ppbv	98
39) 1,2-Dichloropropane	7.59	63	40185	0.48	ppbv #	86
41) Tetrahydrofuran	6.06	42	20335	0.40	ppbv	93
42) Bromodichloromethane	7.77	83	82155	0.47	ppbv	93
43) Methyl Methacrylate	8.00	69	20833	0.29	ppbv #	50
44) 2,2,4-Trimethylpentane	7.84	57	172217	0.48	ppbv	93
46) cis-1,3-Dichloropropene	8.67	75	12824	0.16	ppbv	93

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

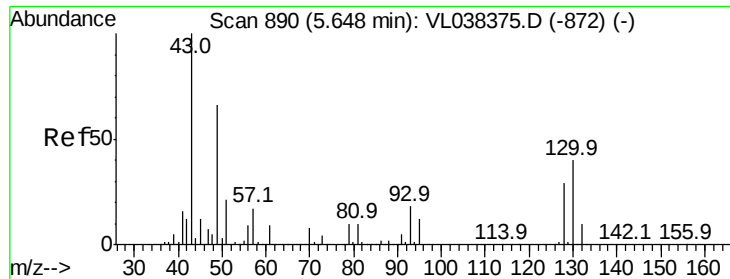
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Feb 22 07:56:53 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 07:53:26 2022
 QLast Update : Tue Feb 22 07:53:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.44	97	22200	0.27	ppbv	94
48) Dibromochloromethane	10.27	129	55846	0.40	ppbv	94
49) Bromoform	13.01	173	40642	0.40	ppbv	95
50) 4-Methyl-2-Pentanone	8.74	43	52145	0.38	ppbv	97
51) 2-Hexanone	10.13	43	9546	0.16	ppbv #	1
52) Tetrachloroethene	11.19	164	13645	0.19	ppbv	89
53) Toluene	9.77	91	65397	0.29	ppbv #	54
54) 1,2-Dibromoethane	10.57	107	20614	0.18	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.11	131	10902	0.12	ppbv #	9
57) Chlorobenzene	12.11	112	48786	0.29	ppbv	95
58) Ethyl Benzene	12.68	91	139088	0.46	ppbv	92
59) m/p-Xylene	12.97	91	92980	0.36	ppbv #	1
60) o-Xylene	13.66	91	114748	0.47	ppbv	99
61) Styrene	13.50	104	41808	0.37	ppbv	91
62) Isopropylbenzene	14.64	105	157711	0.49	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.64	83	91980	0.51	ppbv	98
64) n-propylbenzene	15.53	120	26243	0.33	ppbv #	1
65) tert-Butylbenzene	16.71	119	128229	0.47	ppbv	93
66) Benzyl Chloride	16.78	91	1470	0.12	ppbv #	75
67) sec-Butylbenzene	17.27	105	181670	0.48	ppbv	98
69) p-Isopropyltoluene	17.62	119	65631	0.23	ppbv #	36
70) n-Butylbenzene	18.52	91	125717	0.43	ppbv	97
71) 2-Chlorotoluene	15.42	91	115490	0.48	ppbv	98
72) 4-Ethyltoluene	15.81	105	114961	0.45	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.97	105	106878	0.46	ppbv	90
74) 1,2,4-Trimethylbenzene	16.73	105	111155	0.45	ppbv #	85
75) 1,3-Dichlorobenzene	16.96	146	35454	0.27	ppbv #	22
76) 1,4-Dichlorobenzene	17.10	146	60180	0.47	ppbv	93
77) 1,2-Dichlorobenzene	17.78	146	61344	0.49	ppbv	96
78) Hexachloro-1,3-Butadiene	23.35	225	22224	0.26	ppbv #	18
79) Naphthalene	22.16	128	16041	0.14	ppbv #	89
80) Naphthalene,2-methyl-	25.00	142	3525	0.23	ppbv #	27
81) 1,2,4-Trichlorobenzene	21.89	180	18343	0.26	ppbv #	34

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL02222\
Data File : VL038378.D
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC0.5

Acq: 22 Feb 2022 6:04

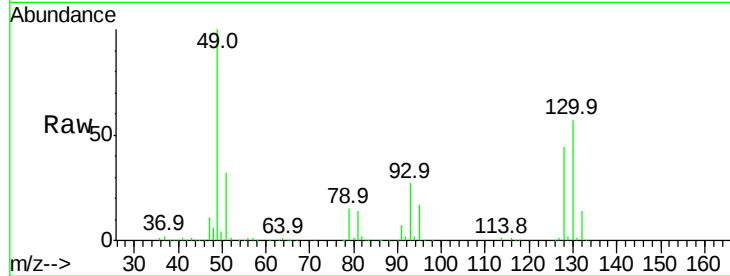
Tgt Ion: 49 Resp: 946699

Ion Ratio Lower Upper

49 100

128 46.8 24.3 72.9

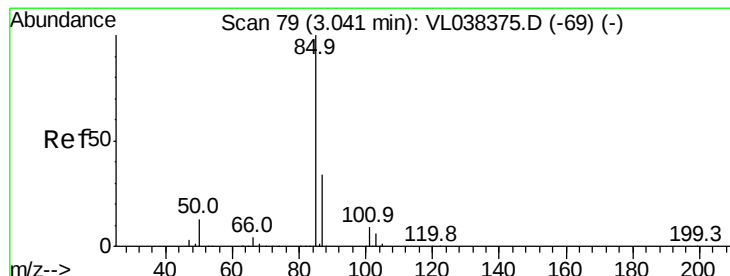
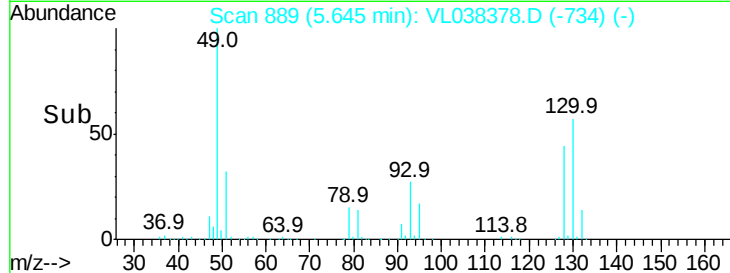
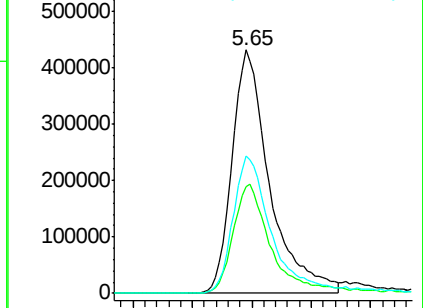
130 59.3 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.51 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL038378.D

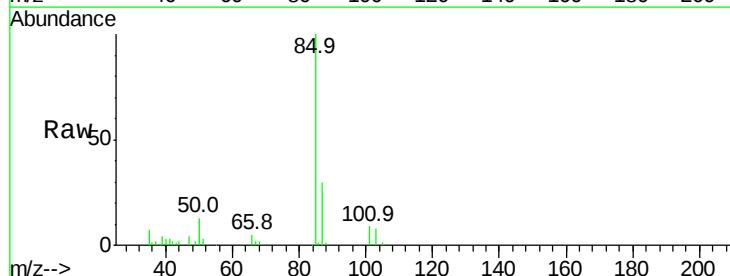
Acq: 22 Feb 2022 6:04

Tgt Ion: 85 Resp: 96597

Ion Ratio Lower Upper

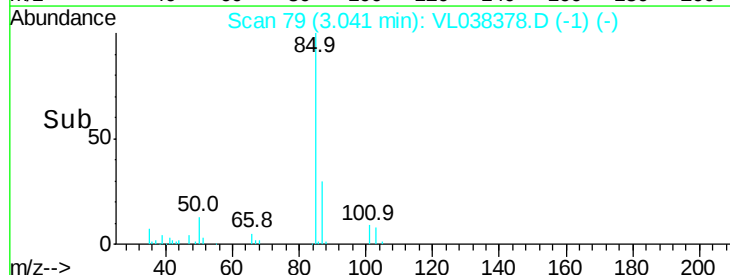
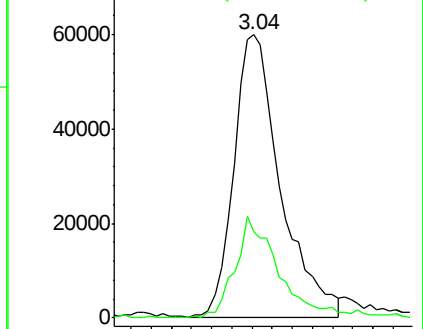
85 100

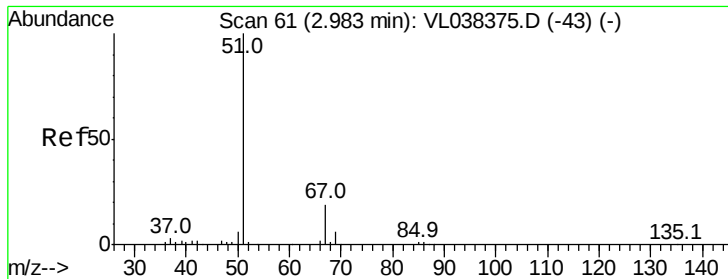
87 30.5 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.50 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: VSTDIC0.5

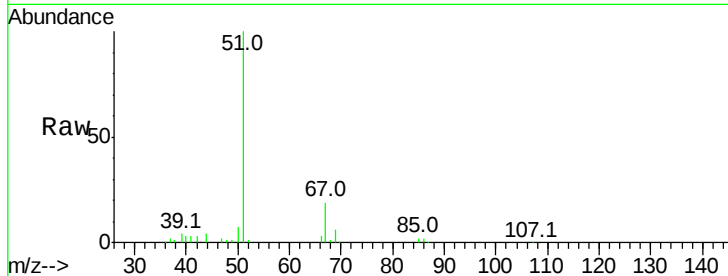
Acq: 22 Feb 2022 6:04

Tgt Ion: 51 Resp: 90894

Ion Ratio Lower Upper

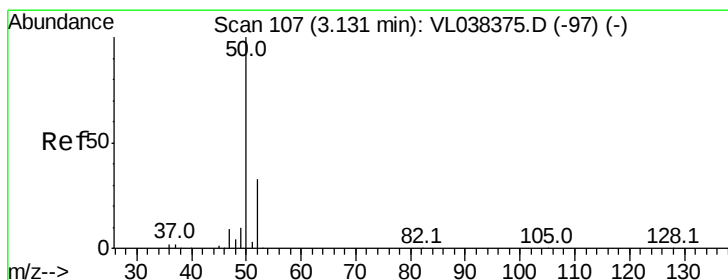
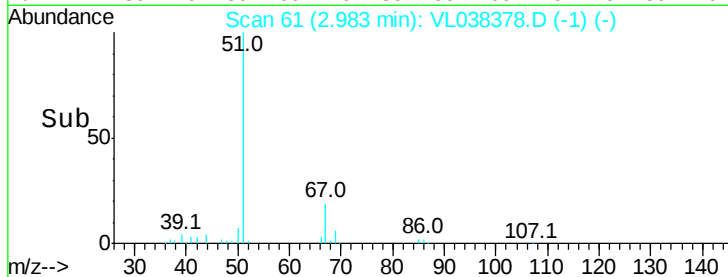
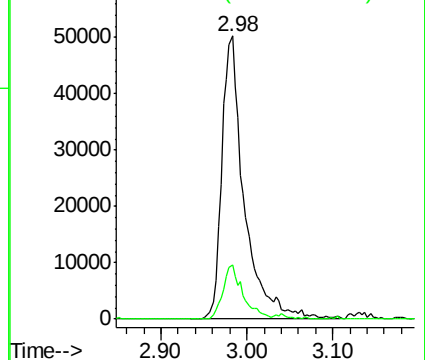
51 100

67 17.2 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.48 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL038378.D

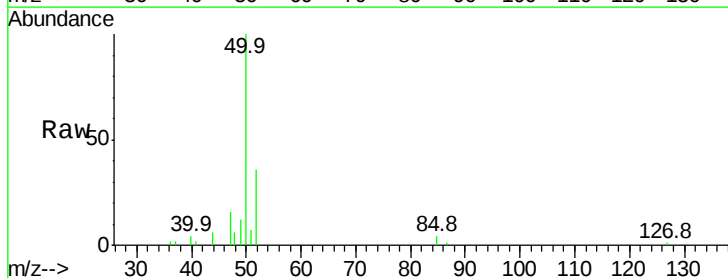
Acq: 22 Feb 2022 6:04

Tgt Ion: 50 Resp: 30499

Ion Ratio Lower Upper

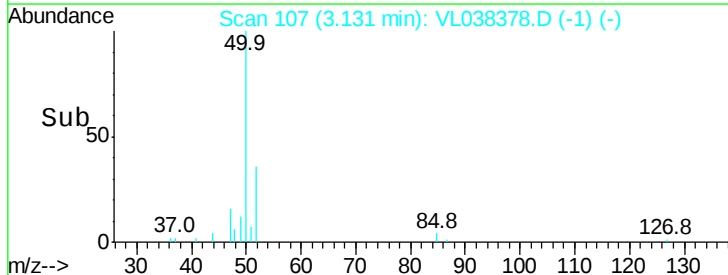
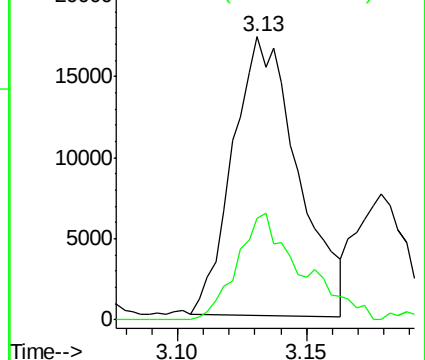
50 100

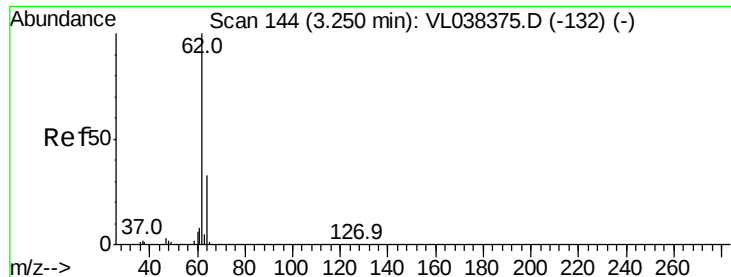
52 34.3 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.21 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

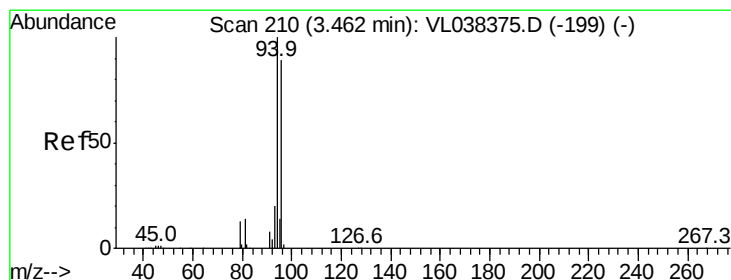
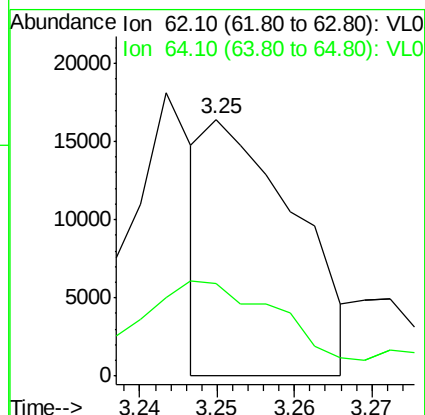
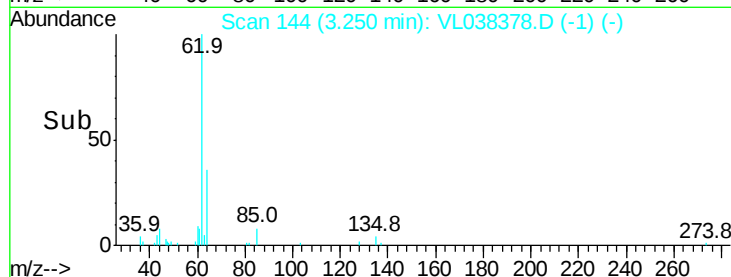
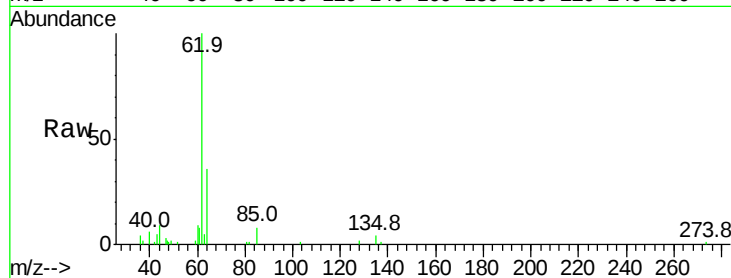
Acq: 22 Feb 2022 6:04

Tgt Ion: 62 Resp: 13261

Ion Ratio Lower Upper

62 100

64 37.1 26.2 39.2



#6

Bromomethane

Concen: 0.25 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL038378.D

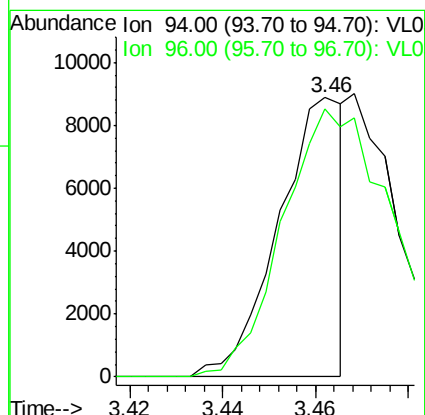
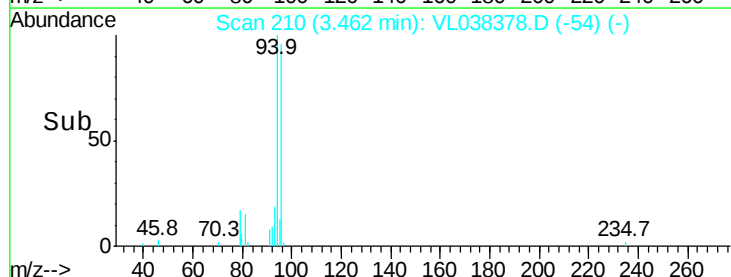
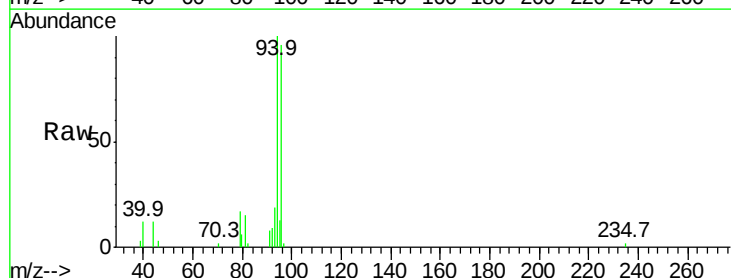
Acq: 22 Feb 2022 6:04

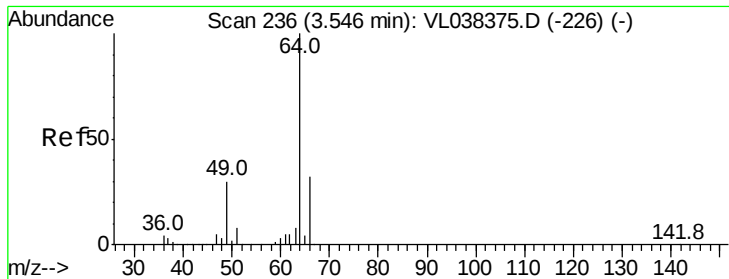
Tgt Ion: 94 Resp: 8597

Ion Ratio Lower Upper

94 100

96 95.7 71.0 106.6





#7

Chloroethane

Concen: 0.33 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.5

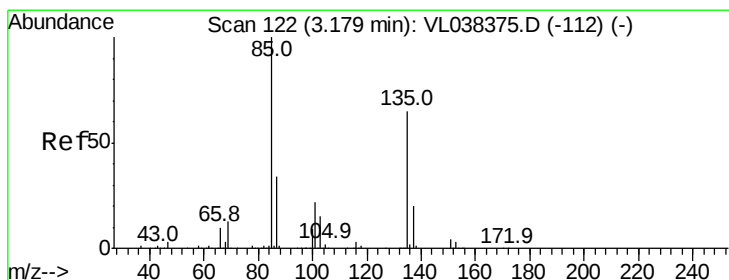
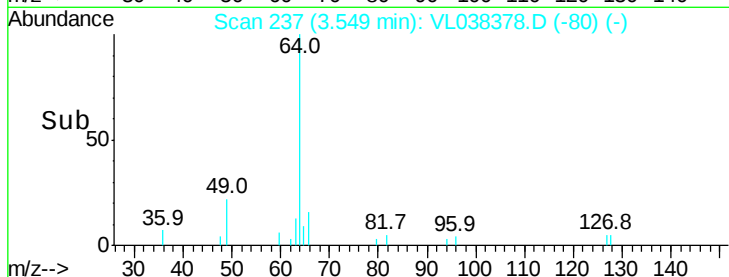
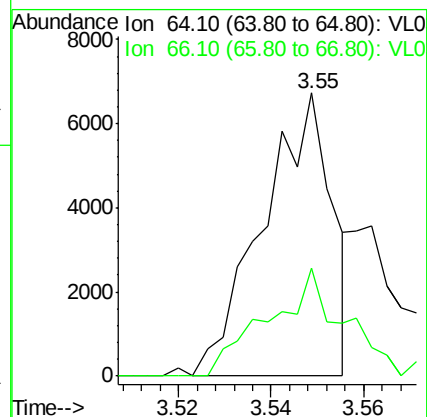
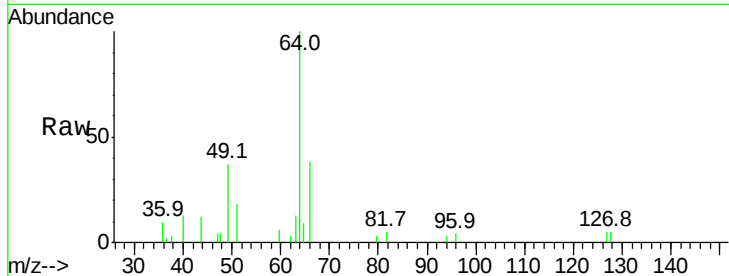
Acq: 22 Feb 2022 6:04

Tgt Ion: 64 Resp: 7008

Ion Ratio Lower Upper

64 100

66 34.7 25.9 38.9



#8

Dichlorotetrafluoroethane

Concen: 0.43 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL038378.D

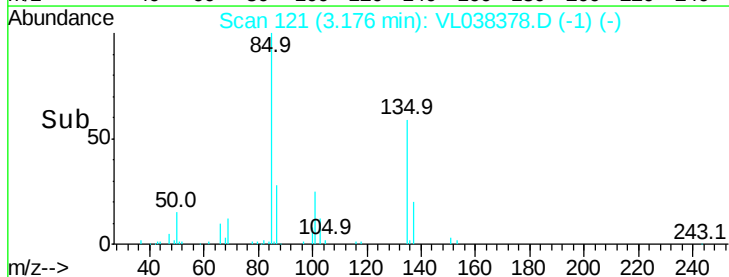
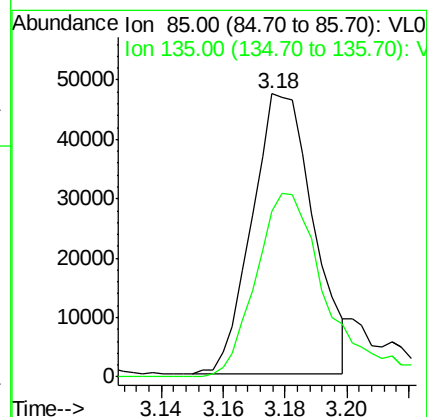
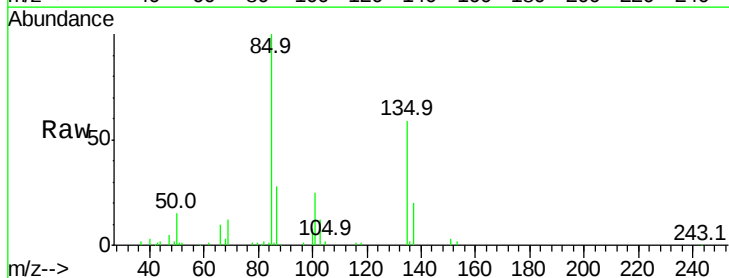
Acq: 22 Feb 2022 6:04

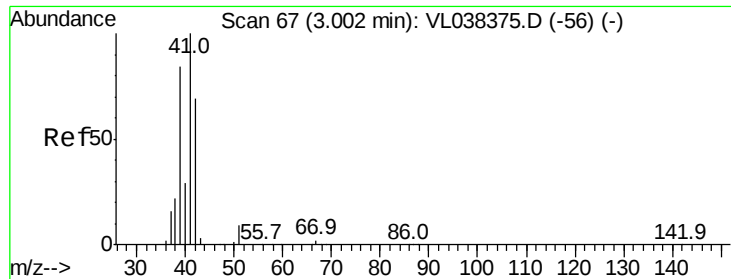
Tgt Ion: 85 Resp: 65599

Ion Ratio Lower Upper

85 100

135 78.5 54.1 81.1





#9

Propene

Concen: 0.29 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

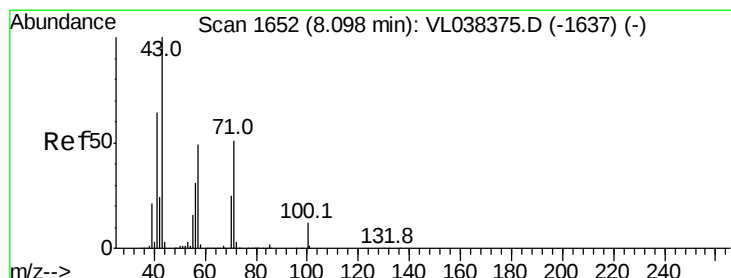
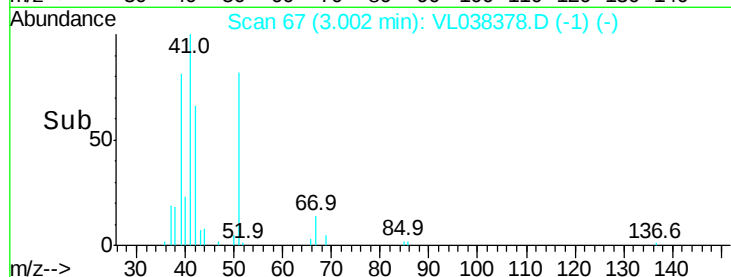
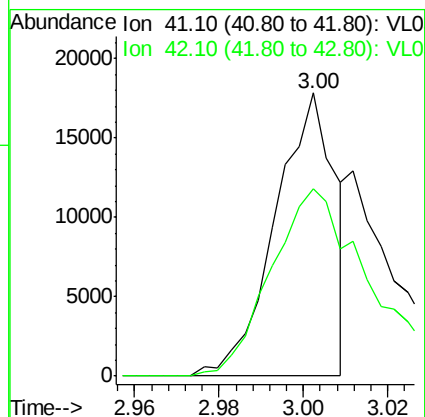
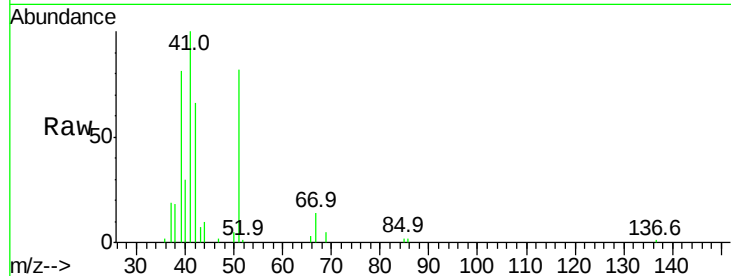
Acq: 22 Feb 2022 6:04

Tgt Ion: 41 Resp: 17558

Ion Ratio Lower Upper

41 100

42 122.4 54.6 82.0#



#10

Heptane

Concen: 0.41 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL038378.D

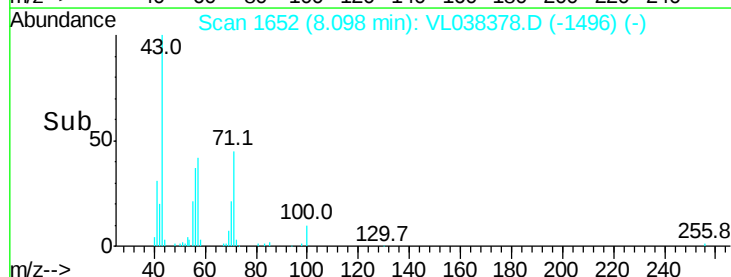
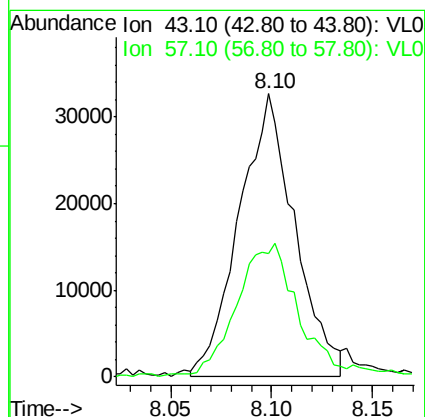
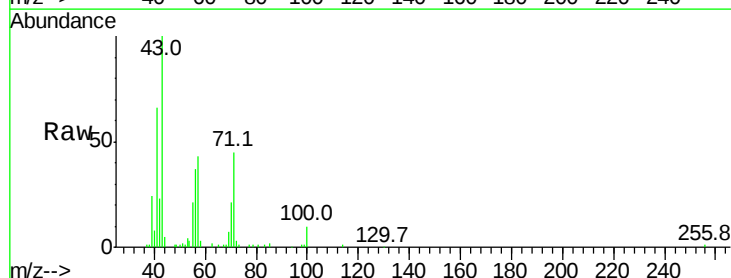
Acq: 22 Feb 2022 6:04

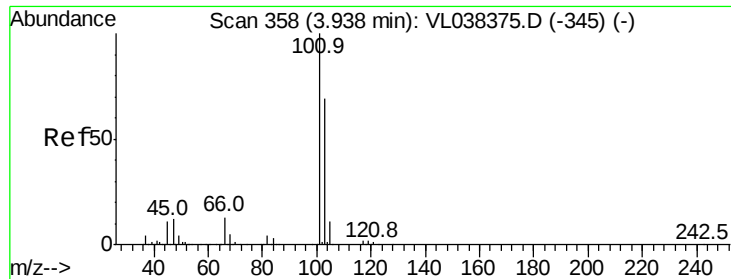
Tgt Ion: 43 Resp: 62975

Ion Ratio Lower Upper

43 100

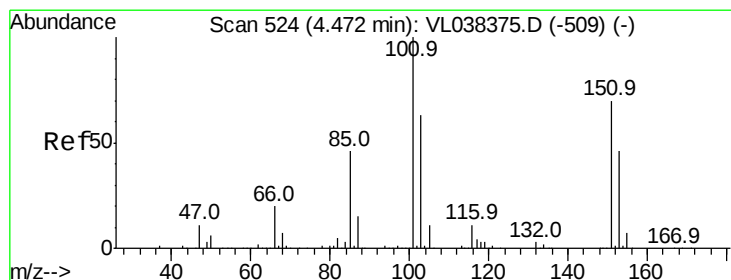
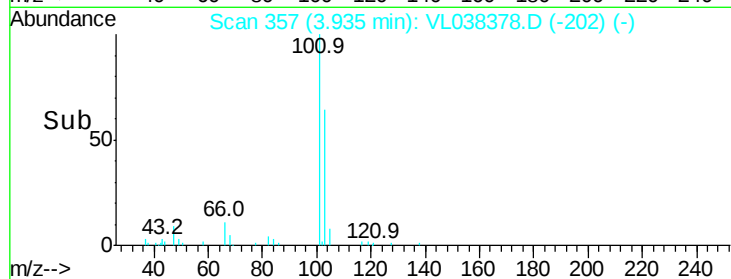
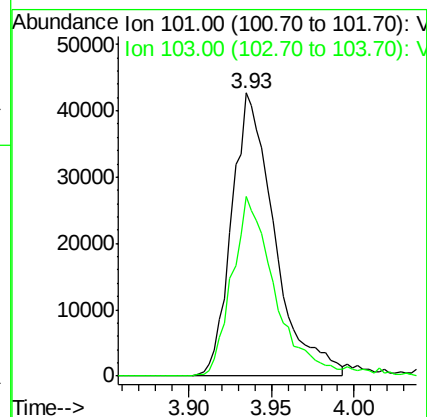
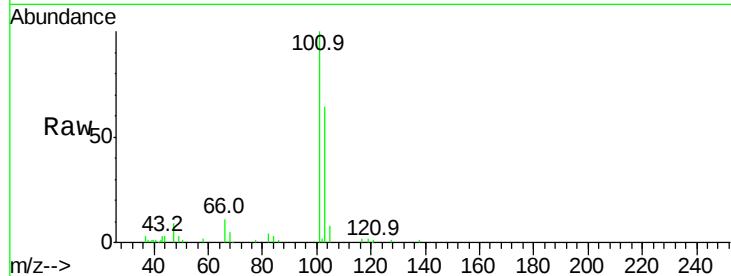
57 54.1 39.8 59.8





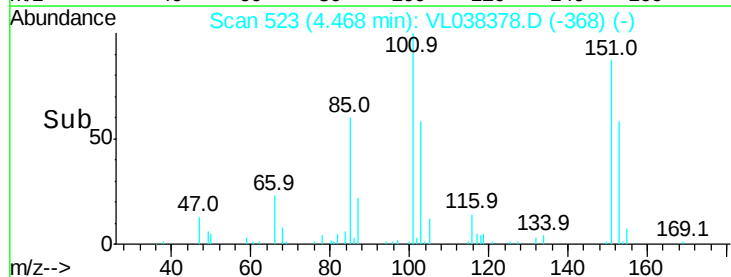
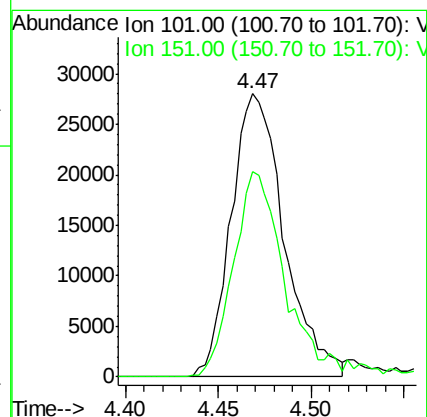
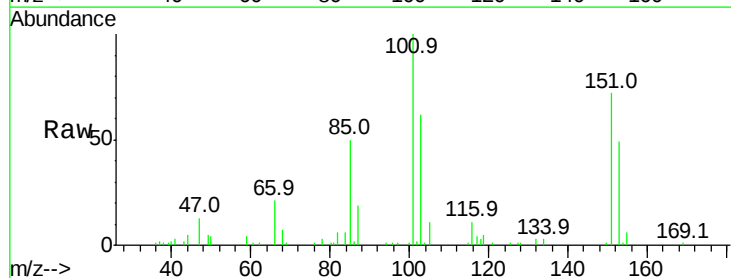
#11
 Trichlorofluoromethane
 Concen: 0.50 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 22 Feb 2022 6:04

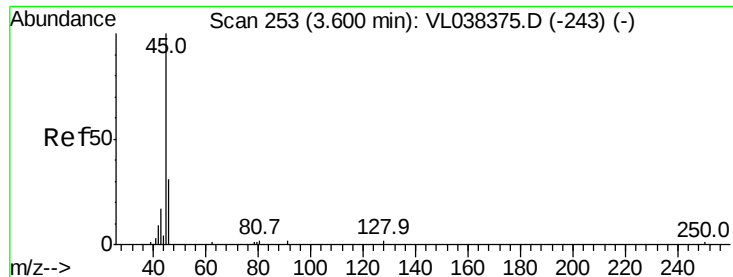
Tgt Ion:101 Resp: 76798
 Ion Ratio Lower Upper
 101 100
 103 63.6 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.48 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VL038378.D
 Acq: 22 Feb 2022 6:04

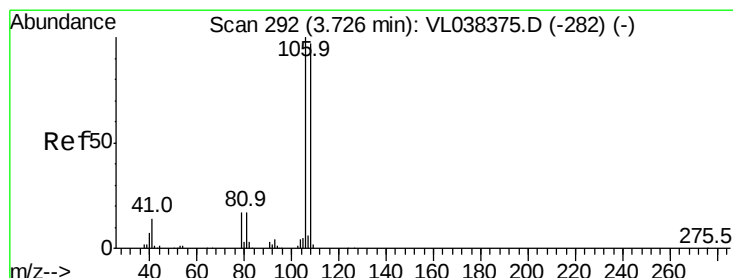
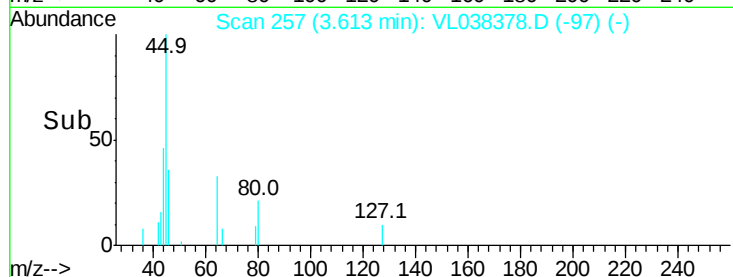
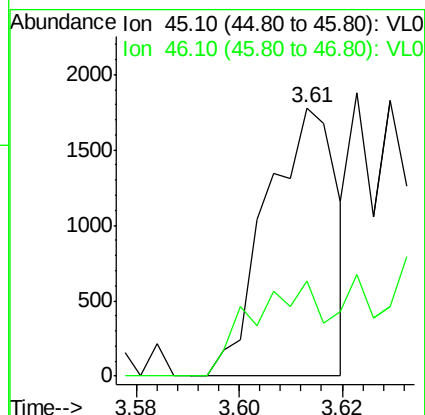
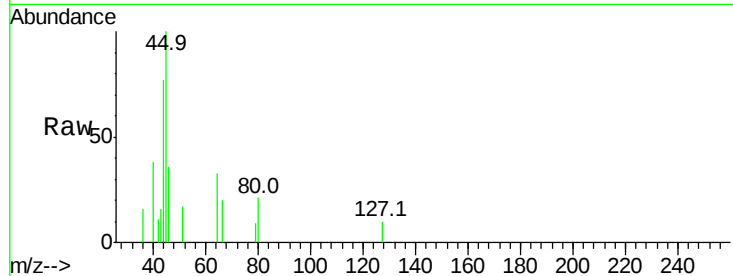
Tgt Ion:101 Resp: 55636
 Ion Ratio Lower Upper
 101 100
 151 73.0 55.9 83.9





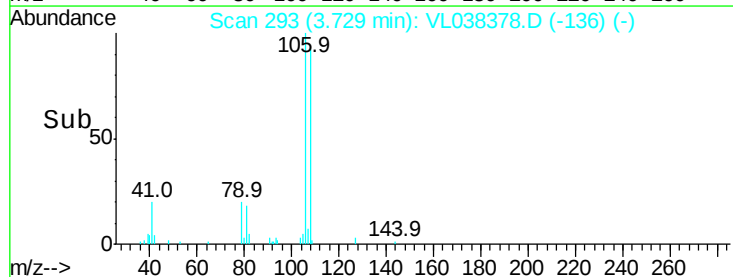
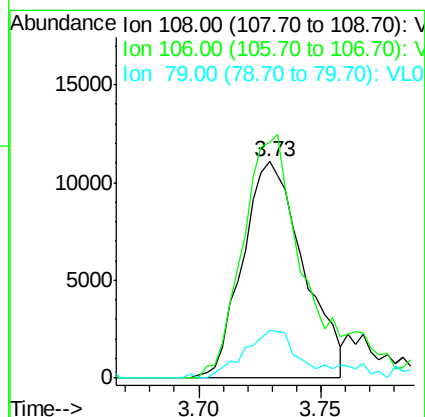
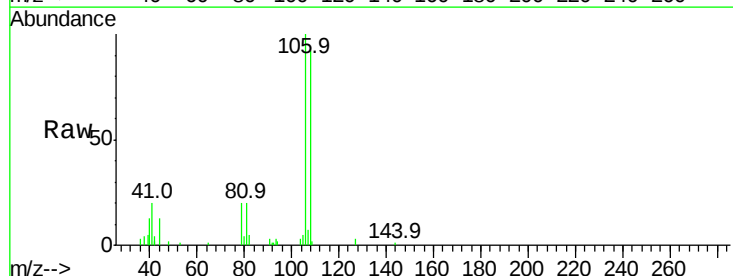
#13
Ethanol
Concen: 0.27 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Feb 2022 6:04

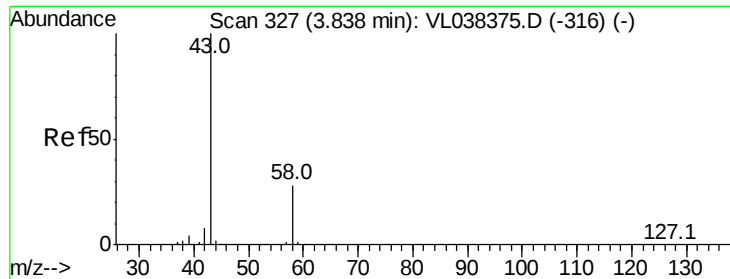
Tgt Ion: 45 Resp: 1681
Ion Ratio Lower Upper
45 100
46 0.0 18.2 72.8#



#14
Bromoethene
Concen: 0.42 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

Tgt Ion: 108 Resp: 19103
Ion Ratio Lower Upper
108 100
106 124.9 88.4 132.6
79 25.1 15.0 22.6#





#15

Acetone

Concen: 0.46 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

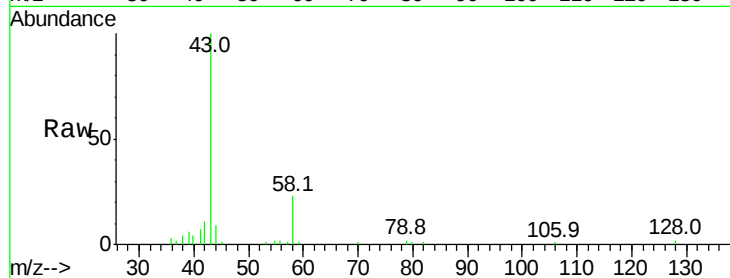
Acq: 22 Feb 2022 6:04

Tgt Ion: 43 Resp: 38031

Ion Ratio Lower Upper

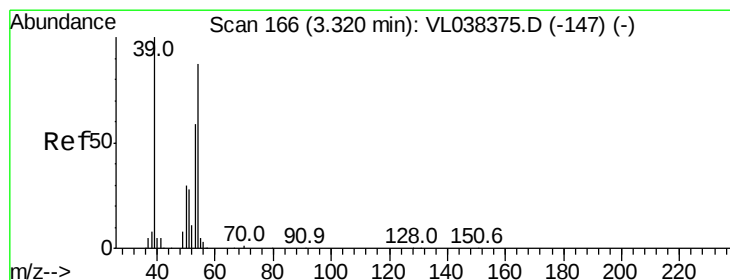
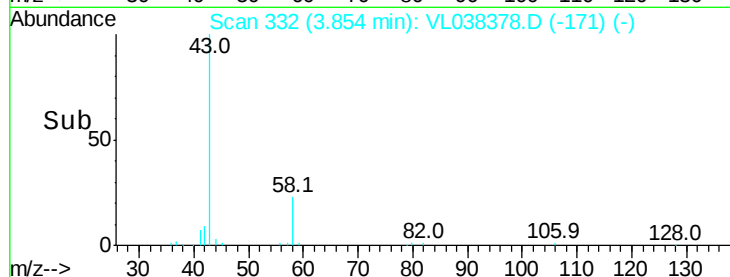
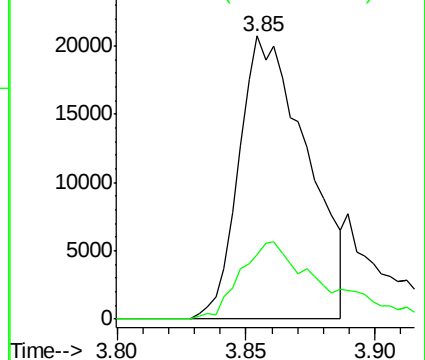
43 100

58 34.1 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.42 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL038378.D

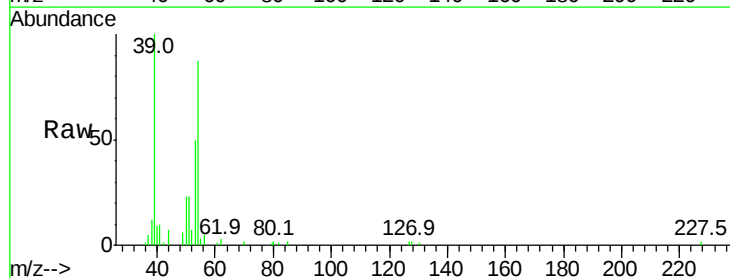
Acq: 22 Feb 2022 6:04

Tgt Ion: 39 Resp: 24740

Ion Ratio Lower Upper

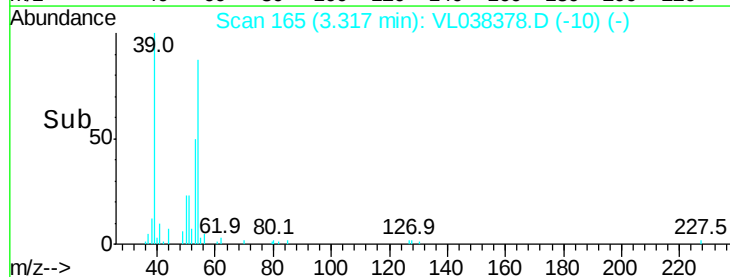
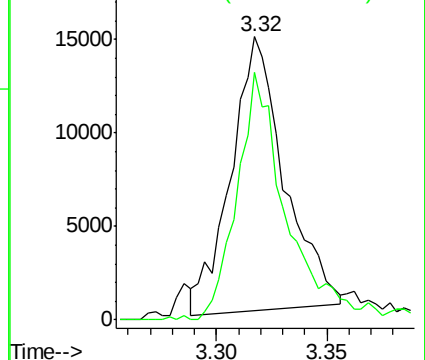
39 100

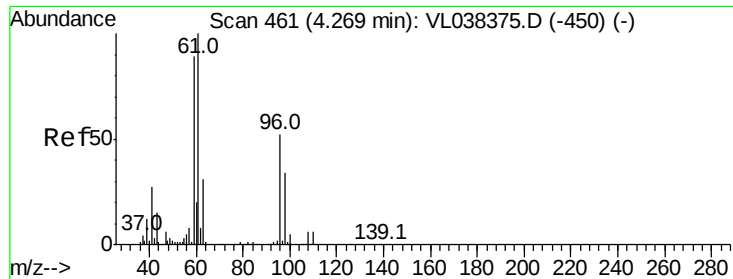
54 85.3 60.3 90.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.24 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

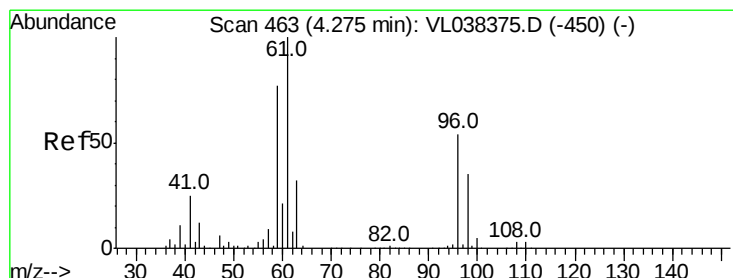
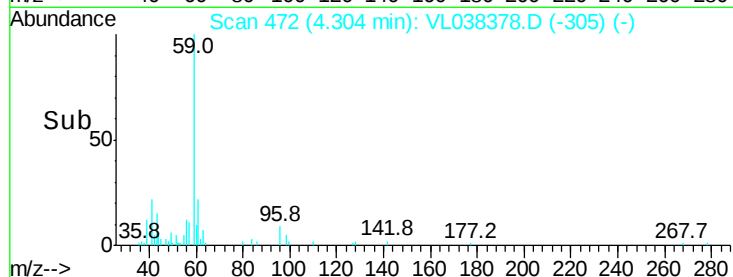
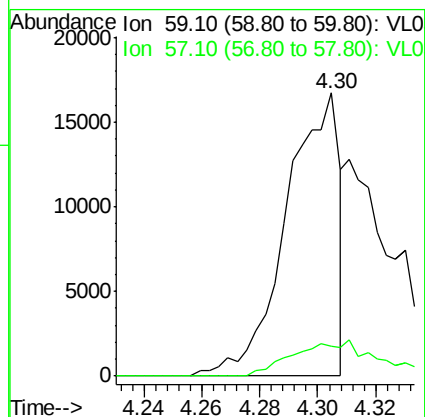
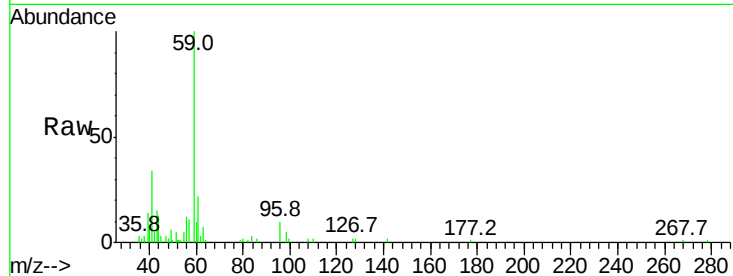
Acq: 22 Feb 2022 6:04

Tgt Ion: 59 Resp: 21226

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#18

1,1-Dichloroethene

Concen: 0.48 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

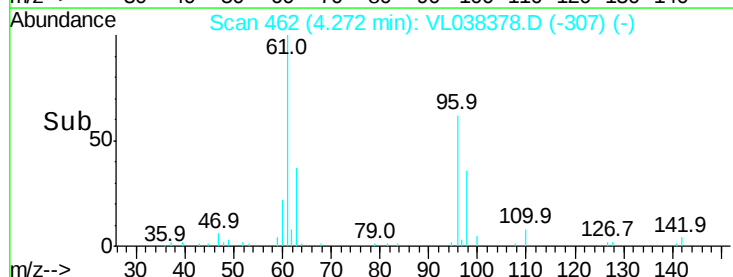
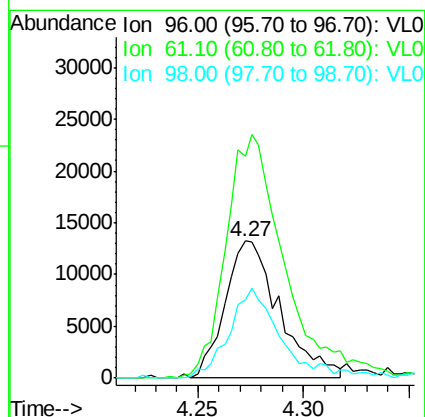
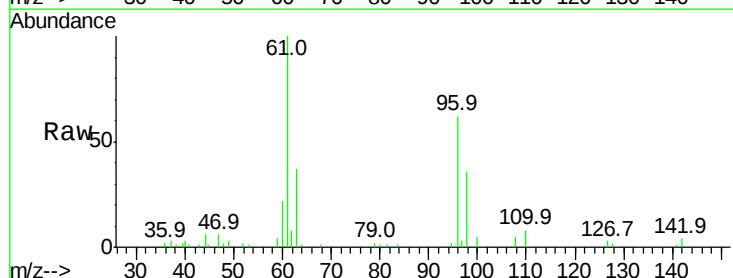
Tgt Ion: 96 Resp: 23789

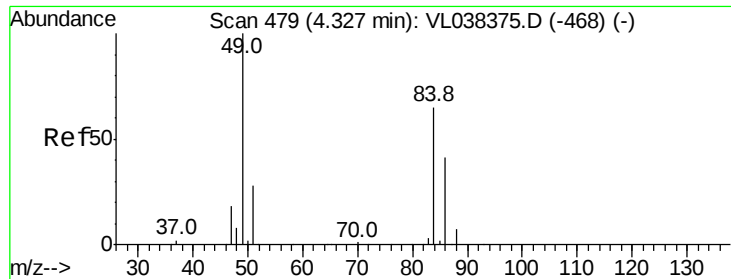
Ion Ratio Lower Upper

96 100

61 158.6 146.8 220.2

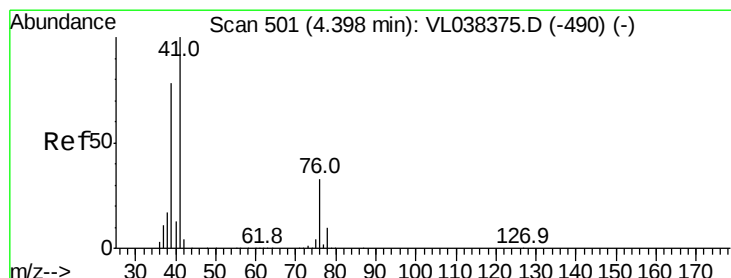
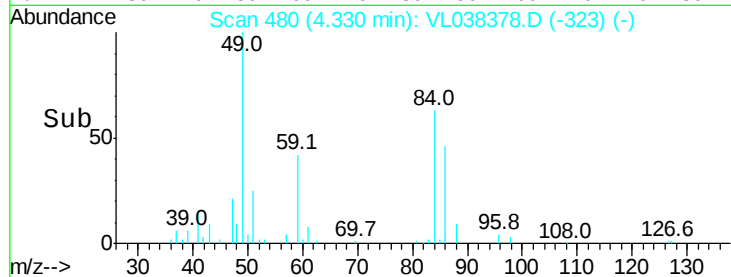
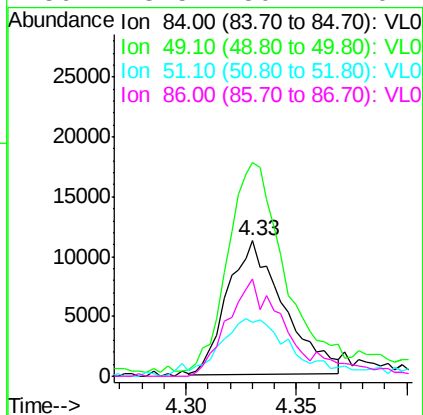
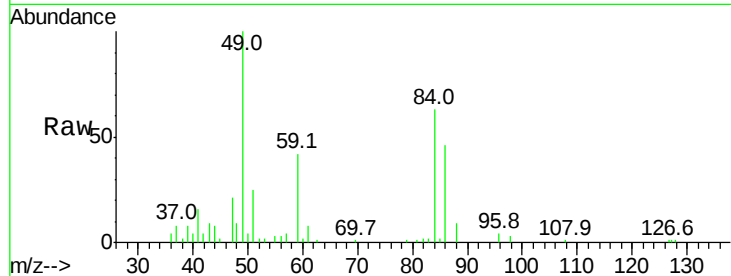
98 56.7 51.5 77.3





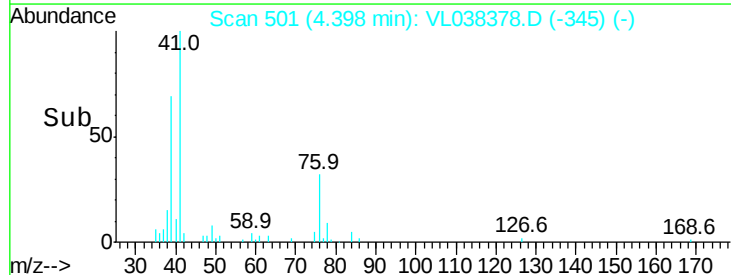
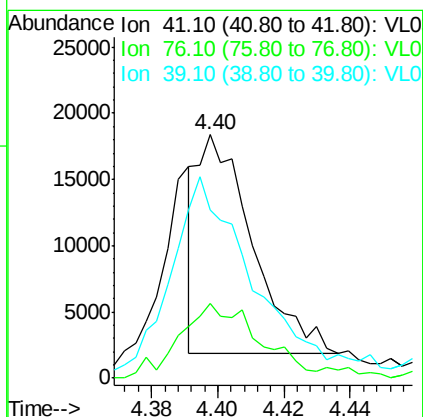
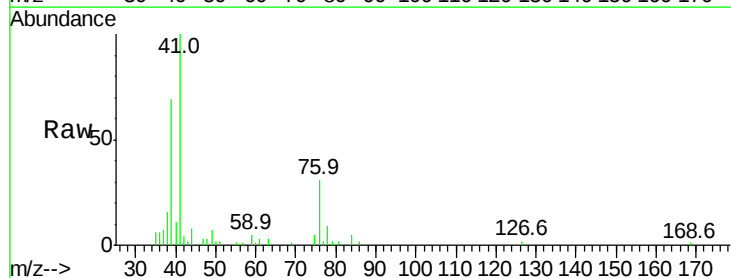
#20
Methylene Chloride
Concen: 0.42 ppbv
RT: 4.33
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 22 Feb 2022 6:04

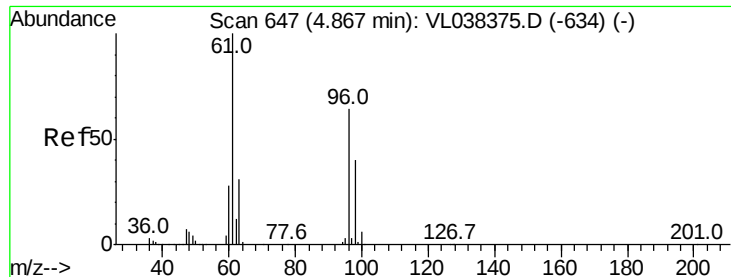
Tgt Ion:	84	Resp:	19899
Ion	Ratio	Lower	Upper
84	100		
49	155.7	122.4	183.6
51	36.1	33.3	49.9
86	73.5	50.7	76.1



#21
Allyl Chloride
Concen: 0.26 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

Tgt Ion:	41	Resp:	18871
Ion	Ratio	Lower	Upper
41	100		
76	56.2	25.4	38.0#
39	160.0	63.0	94.6#





#22

trans-1,2-Dichloroethene

Concen: 0.22 ppbv

RT: 4.87 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC0.5

Acq: 22 Feb 2022 6:04

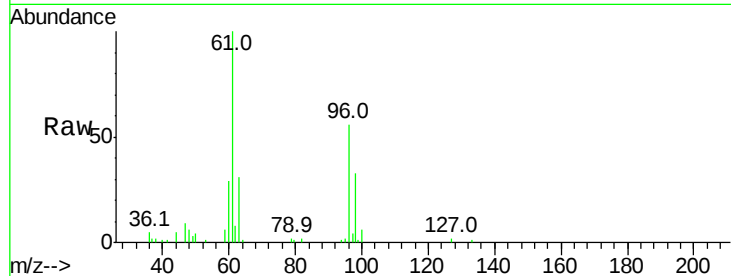
Tgt Ion: 96 Resp: 11376

Ion Ratio Lower Upper

96 100

61 174.9 124.2 186.4

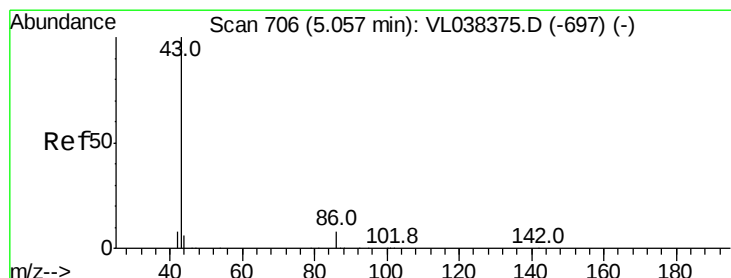
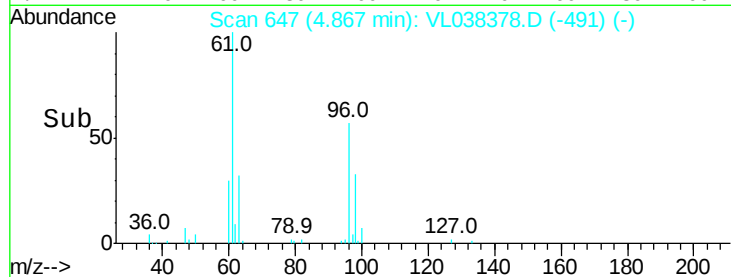
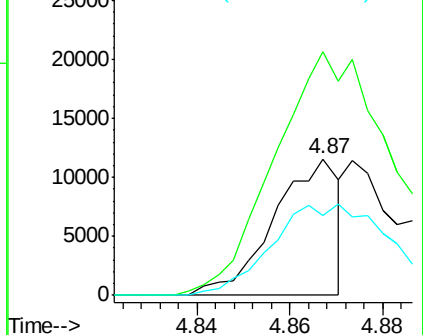
98 58.0 49.1 73.7



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.36 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

Tgt Ion: 43 Resp: 42932

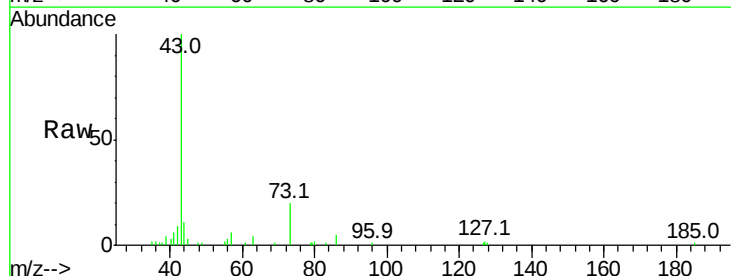
Ion Ratio Lower Upper

43 100

86 7.1 5.8 8.6

42 8.8 7.4 11.0

44 4.8 4.2 6.2

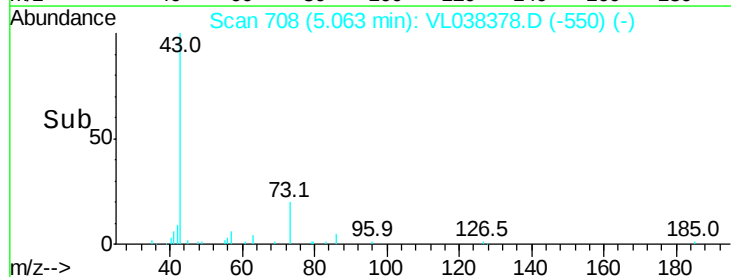
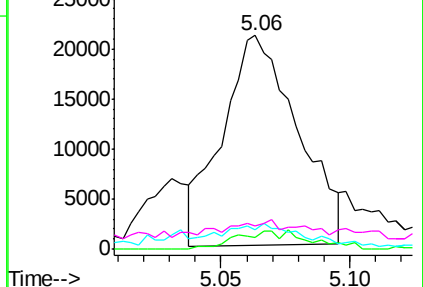


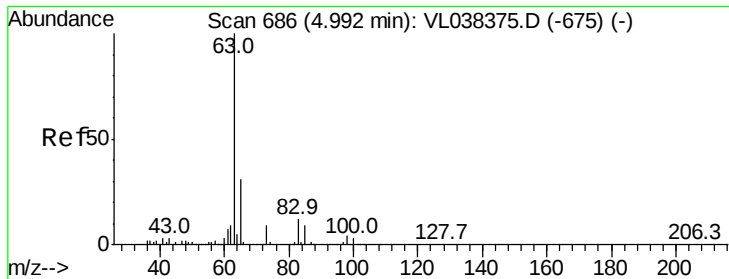
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.48 ppbv

RT: 4.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 6:04

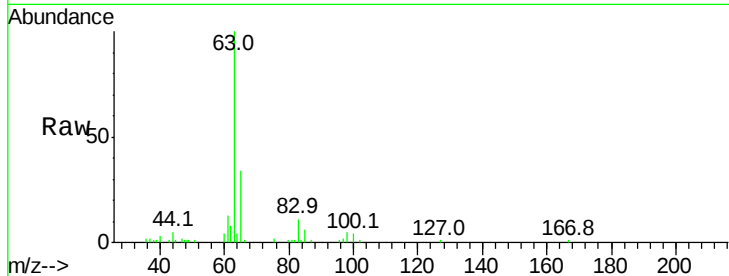
Tgt Ion: 63 Resp: 50568

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

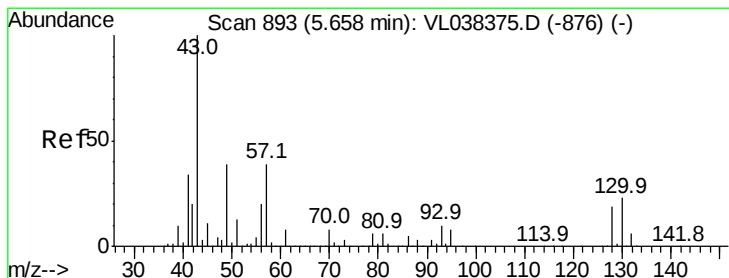
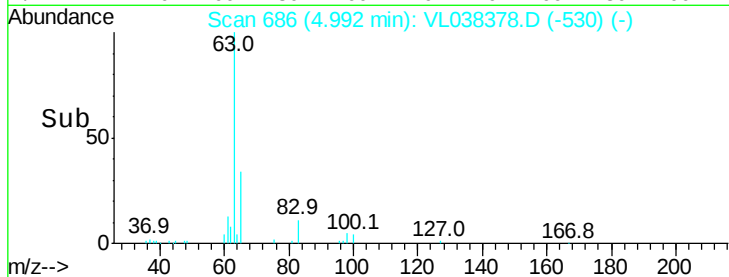
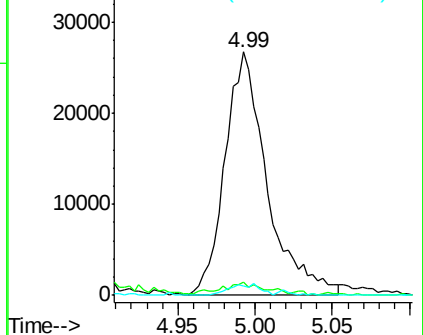
100 3.9 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.44 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

Tgt Ion: 43 Resp: 100557

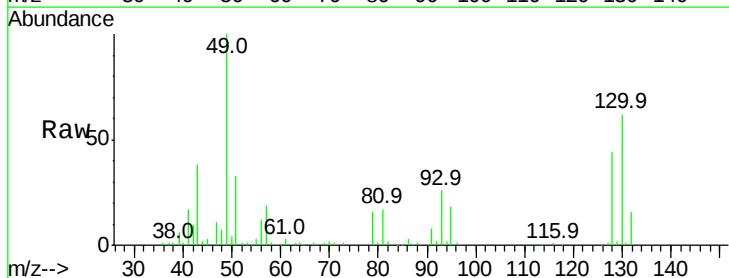
Ion Ratio Lower Upper

43 100

45 9.6 7.8 11.6

61 10.6 7.5 11.3

70 6.3 5.4 8.0

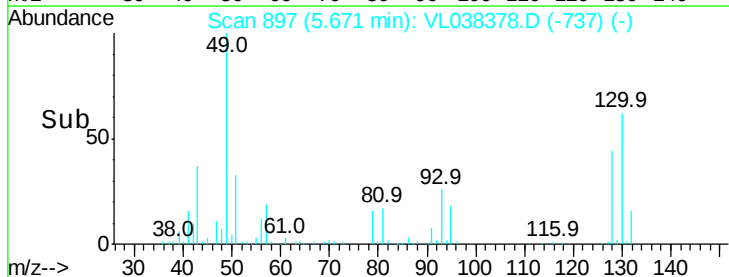
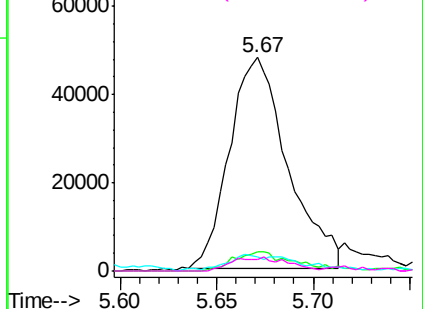


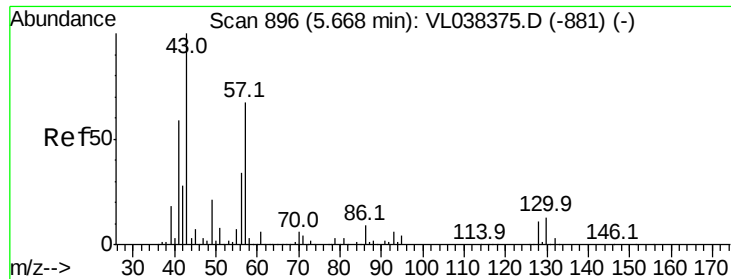
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

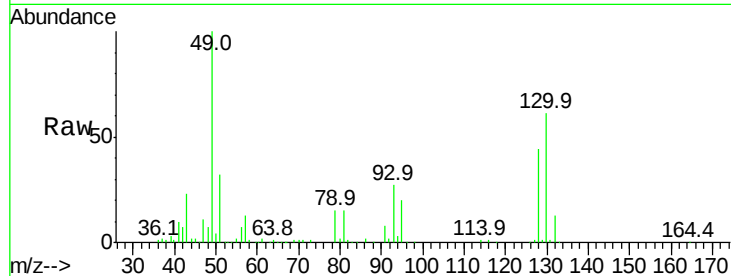
Ion 70.10 (69.80 to 70.80): VL0



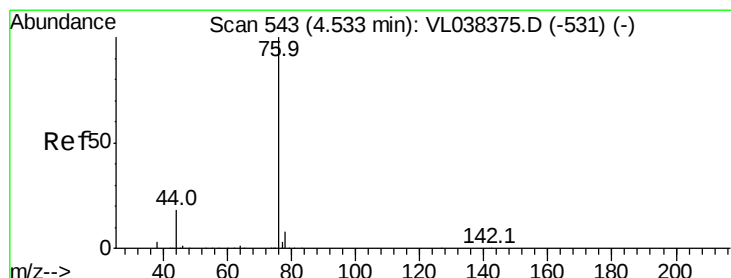
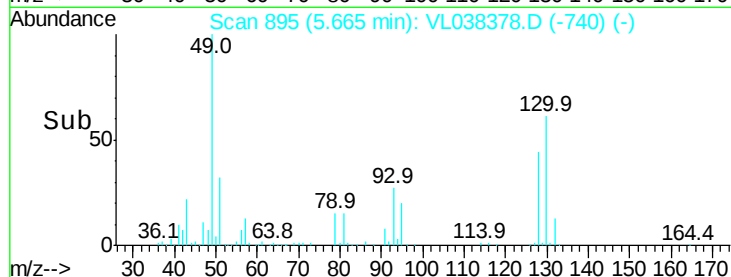
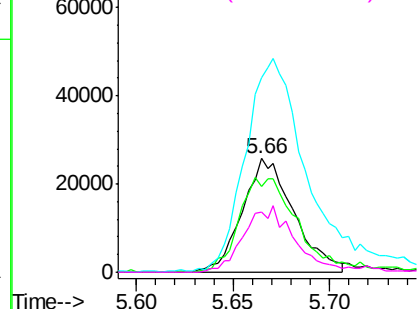


#26
Hexane
Concen: 0.45 ppbv
RT: 5.66
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Feb 2022 6:04

Tgt Ion	Resp	Lower	Upper
57	100		
41	100.0	73.1	109.7
43	241.3	181.0	271.4
56	59.8	43.4	65.0

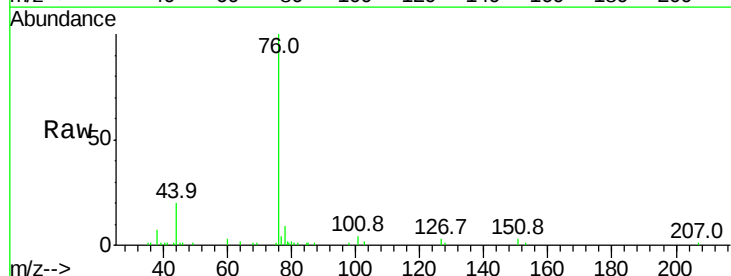


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

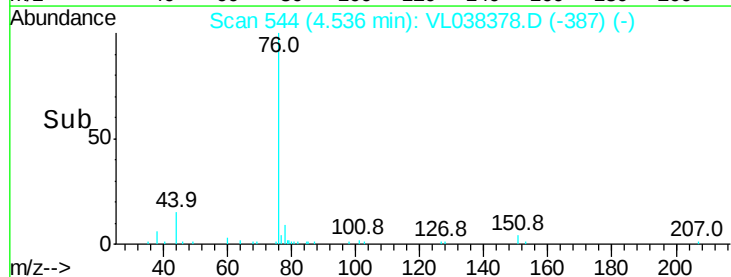
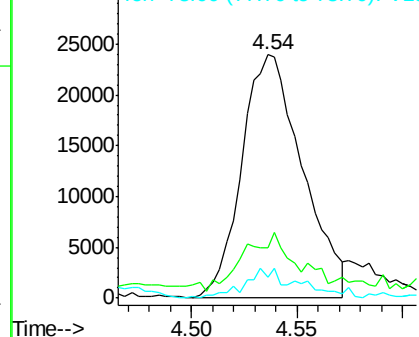


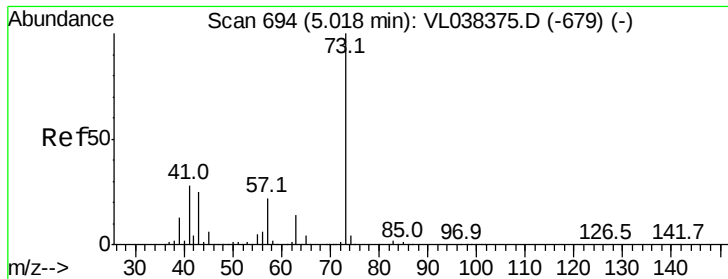
#27
Carbon Disulfide
Concen: 0.39 ppbv
RT: 4.54 min Scan# 544
Delta R.T. 0.00 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

Tgt Ion	Resp	Lower	Upper
76	100		
44	22.4	14.2	21.2#
78	10.9	7.8	11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





#28

Methyl tert-Butyl Ether

Concen: 0.43 ppbv

RT: 5.03 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

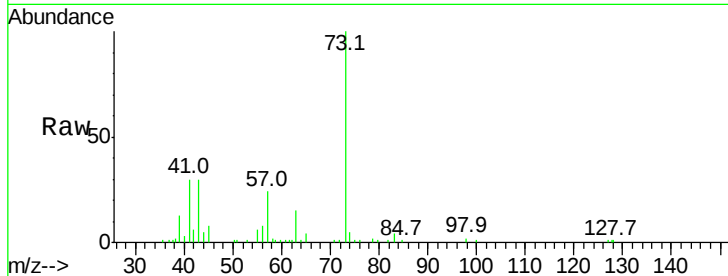
Acq: 22 Feb 2022 6:04

Tgt Ion: 73 Resp: 47237

Ion Ratio Lower Upper

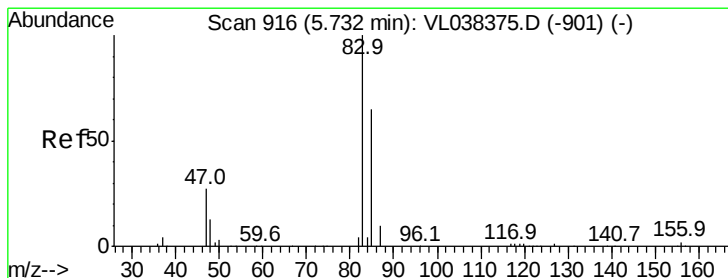
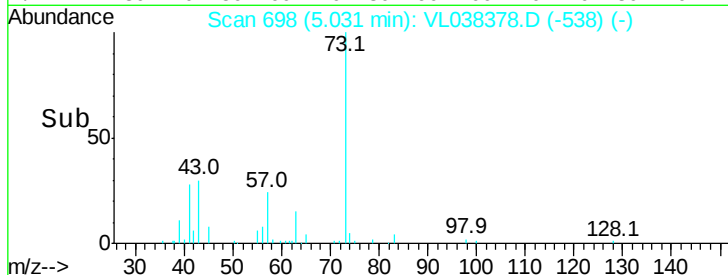
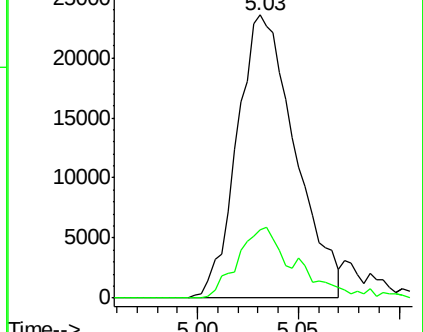
73 100

57 25.7 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#29

Chloroform

Concen: 0.46 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.00 min

Lab File: VL038378.D

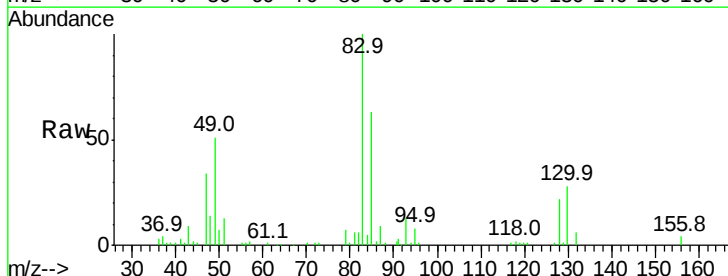
Acq: 22 Feb 2022 6:04

Tgt Ion: 83 Resp: 80241

Ion Ratio Lower Upper

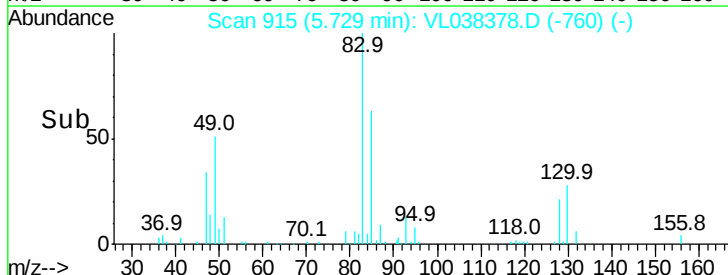
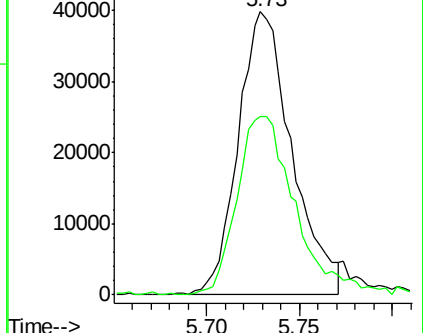
83 100

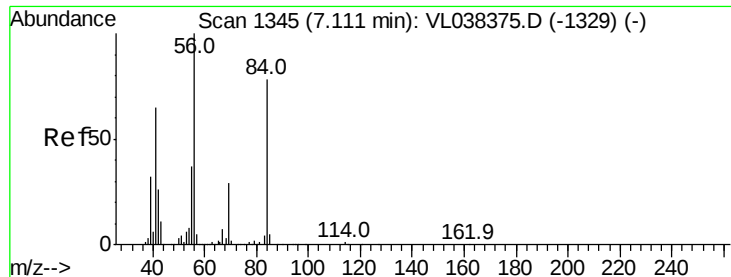
85 63.0 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

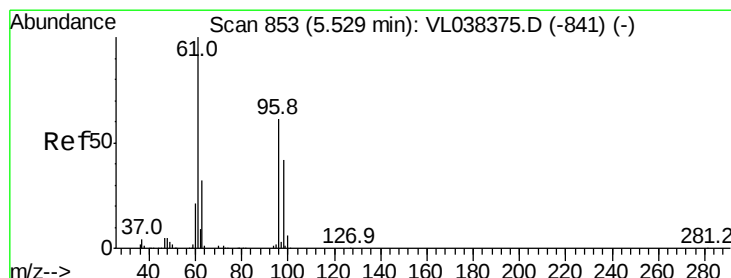
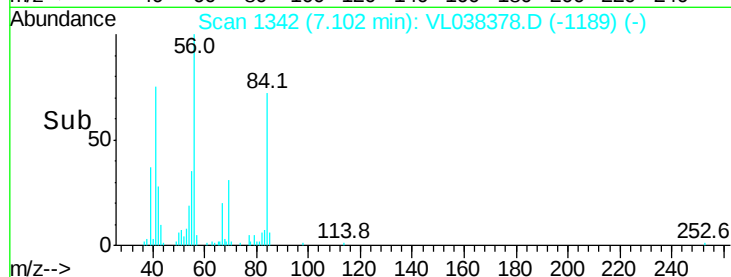
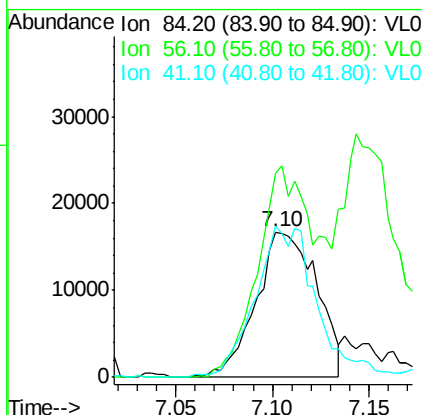
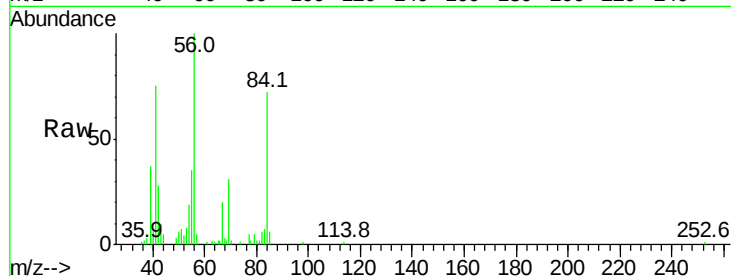
Ion 85.00 (84.70 to 85.70): VL0





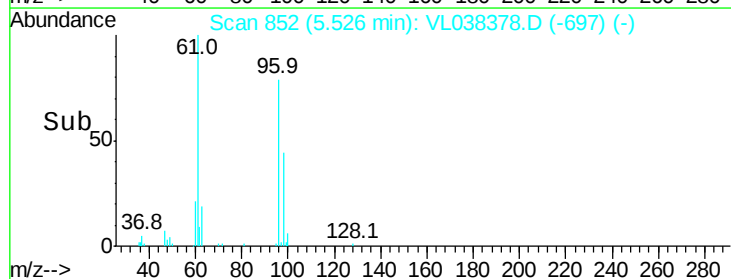
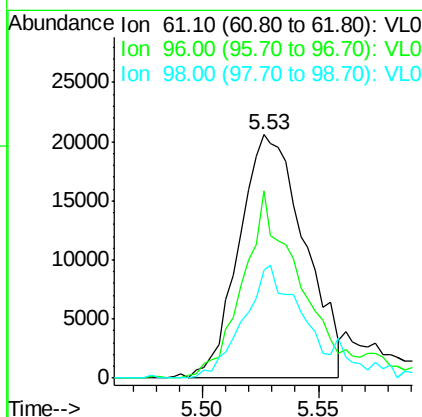
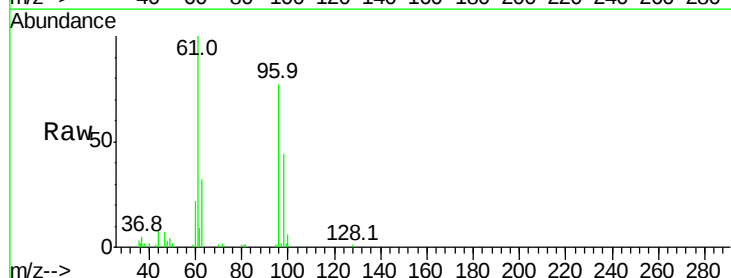
#30
Cyclohexane
Concen: 0.40 ppbv
RT: 7.10
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Feb 2022 6:04

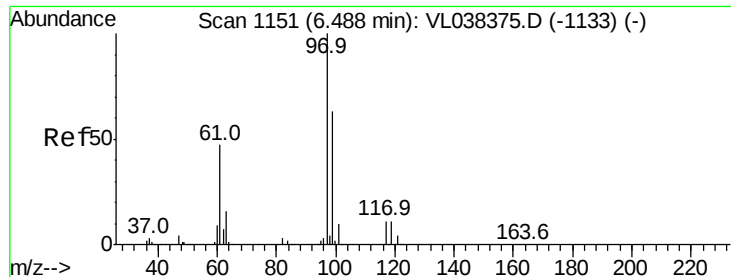
Tgt Ion: 84 Resp: 36603
Ion Ratio Lower Upper
84 100
56 134.3 116.2 174.4
41 105.3 74.3 111.5



#31
cis-1,2-Dichloroethene
Concen: 0.41 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.00 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

Tgt Ion: 61 Resp: 40390
Ion Ratio Lower Upper
61 100
96 75.6 48.6 73.0#
98 44.4 33.2 49.8





#32

1,1,1-Trichloroethane

Concen: 0.45 ppbv

RT: 6.49

Instrument: MSVOA_1

Delta R.T.:

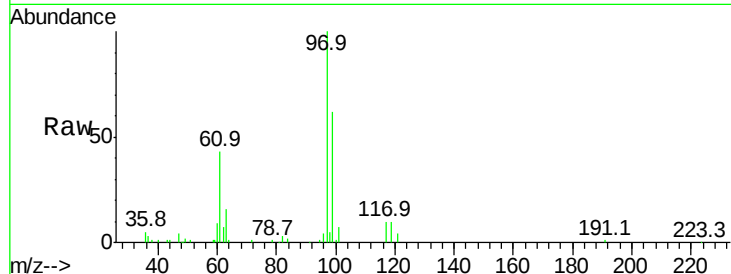
Client SampleId:

Lab File: VSTDIC0.5

Acq: 22 Feb 2022 6:04

Tgt Ion: 97 Resp: 79019

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.9	77.9
61	53.9	40.5	60.7

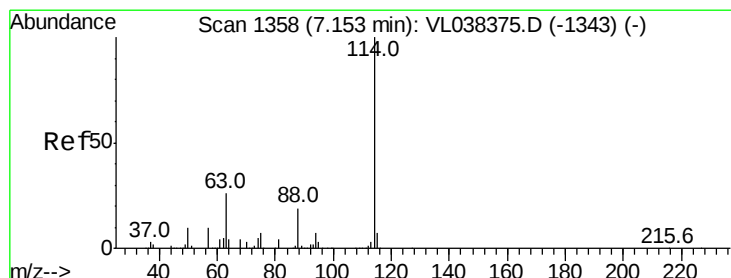
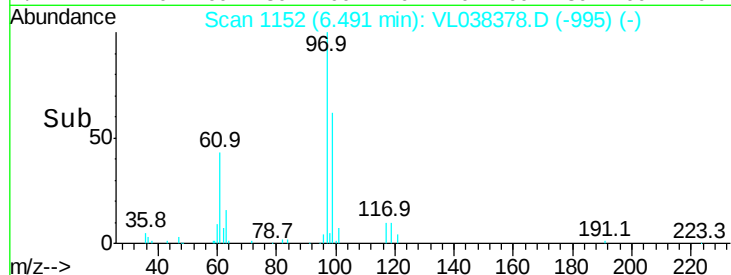
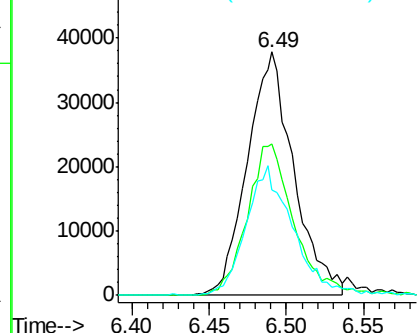


Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.15 min Scan# 1357

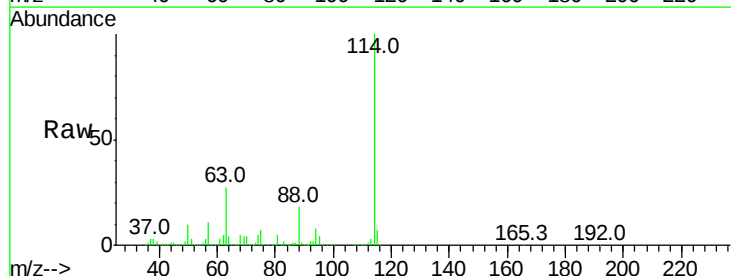
Delta R.T. -0.00 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

Tgt Ion: 114 Resp: 2314230

Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.2	33.2
88	18.7	15.2	22.8

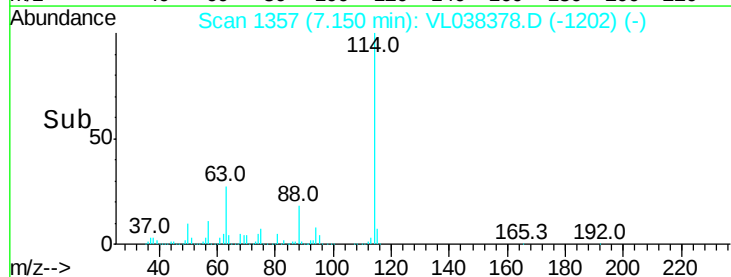
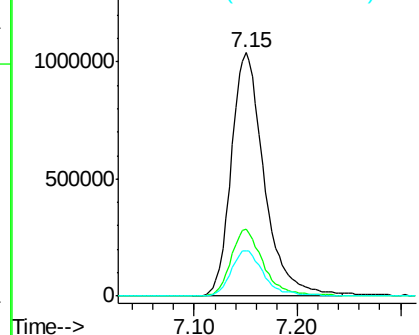


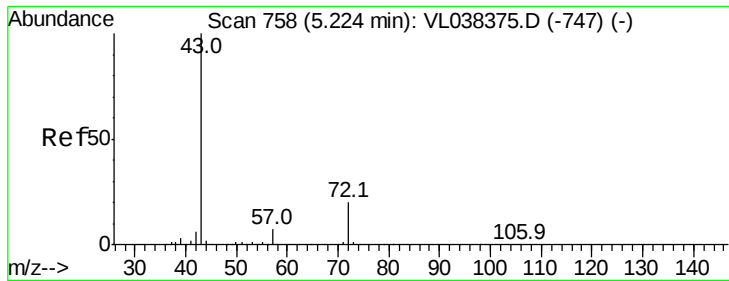
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

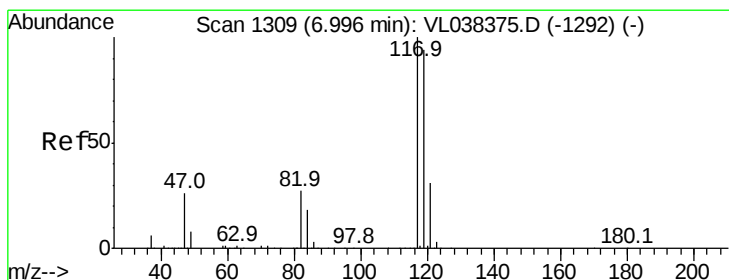
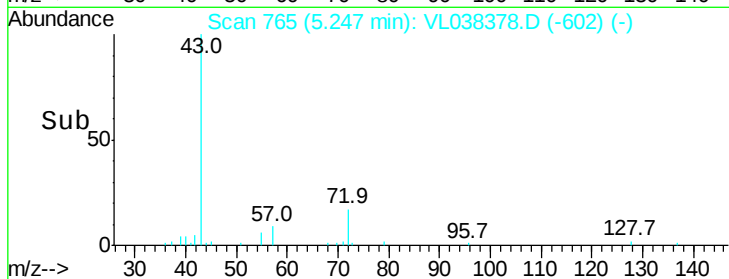
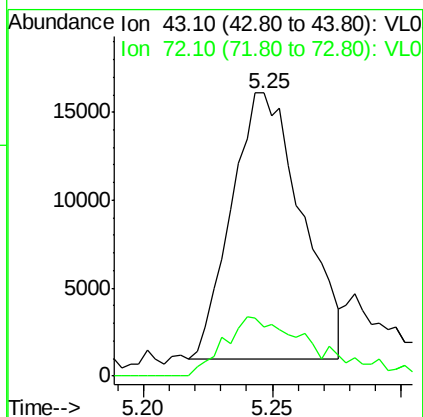
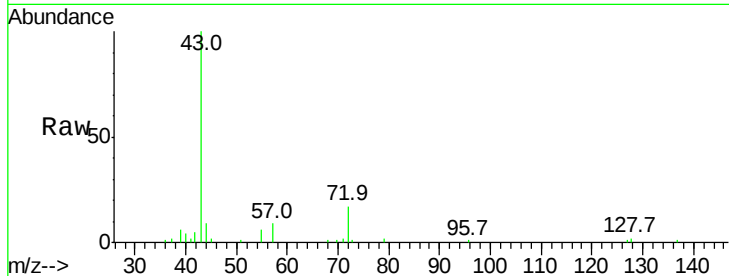
Ion 88.10 (87.80 to 88.80): VL0





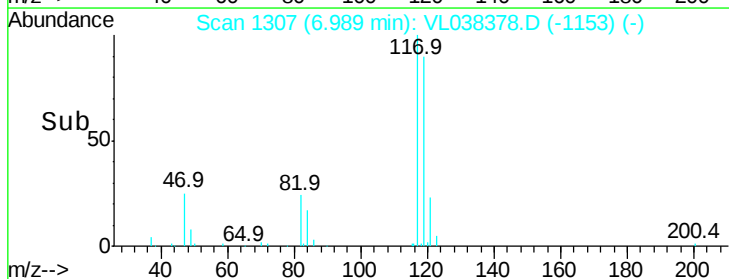
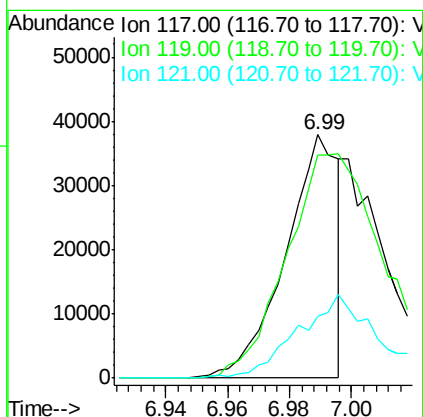
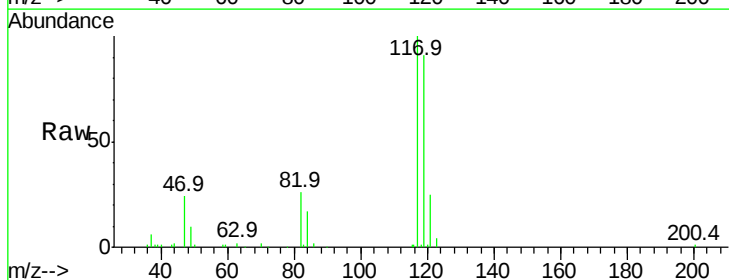
#34
 2-Butanone
 Concen: 0.38 ppbv
 RT: 5.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 22 Feb 2022 6:04

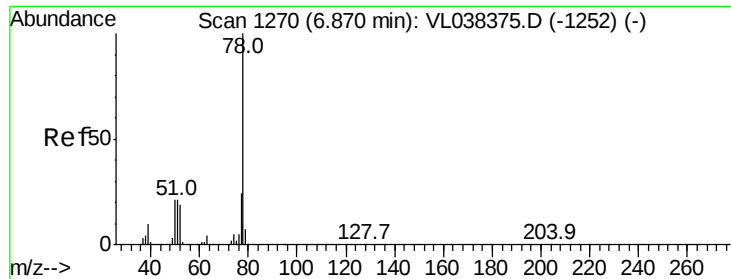
Tgt Ion: 43 Resp: 28796
 Ion Ratio Lower Upper
 43 100
 72 30.8 17.4 26.2#



#35
 Carbon Tetrachloride
 Concen: 0.27 ppbv
 RT: 6.99 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VL038378.D
 Acq: 22 Feb 2022 6:04

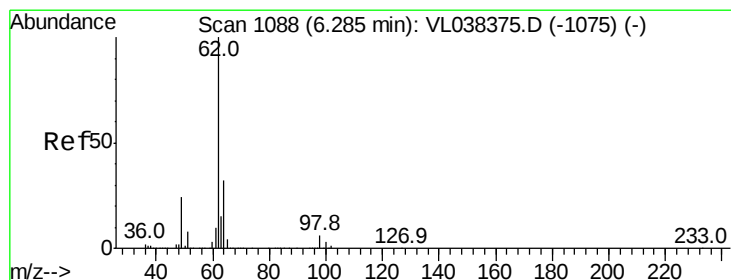
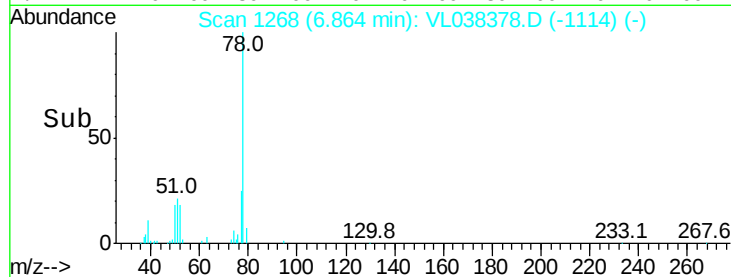
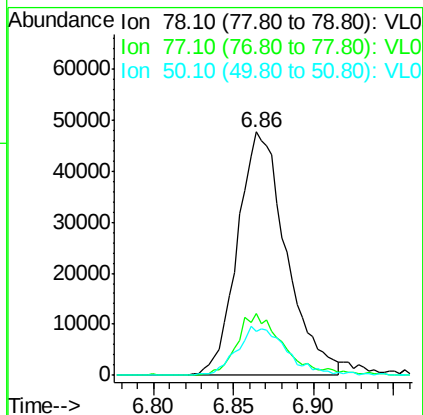
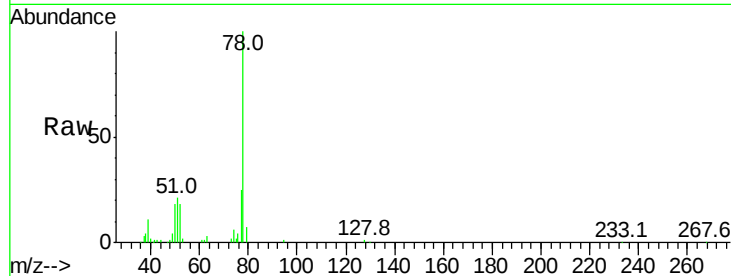
Tgt Ion: 117 Resp: 44668
 Ion Ratio Lower Upper
 117 100
 119 91.5 74.9 112.3
 121 25.2 24.8 37.2





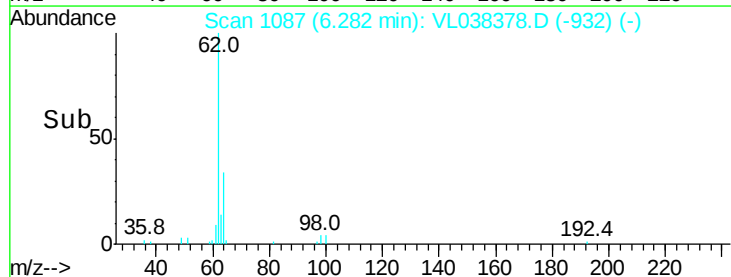
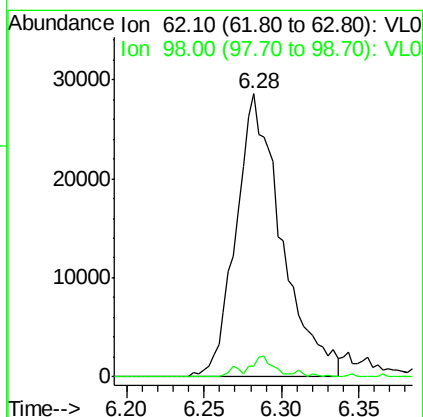
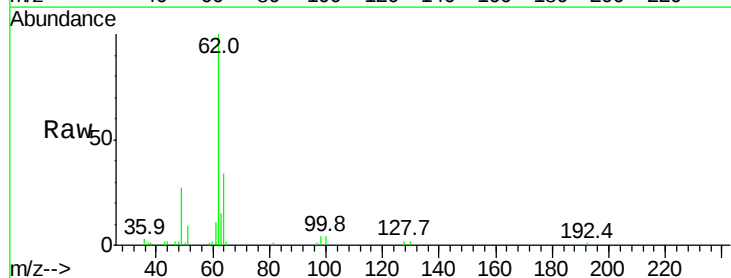
#36
Benzene
Concen: 0.48 ppbv
RT: 6.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC0.5
Acq: 22 Feb 2022 6:04

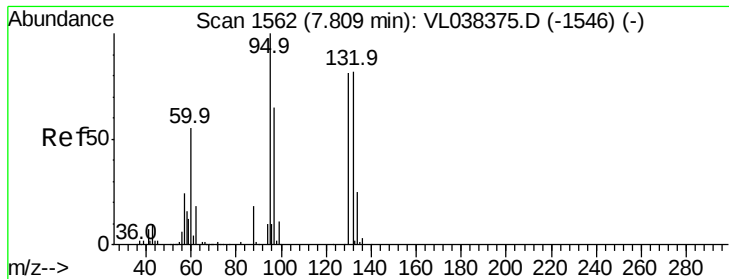
Tgt Ion: 78 Resp: 99278
Ion Ratio Lower Upper
78 100
77 25.4 19.0 28.6
50 18.1 16.6 24.8



#37
1,2-Dichloroethane
Concen: 0.50 ppbv
RT: 6.28 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

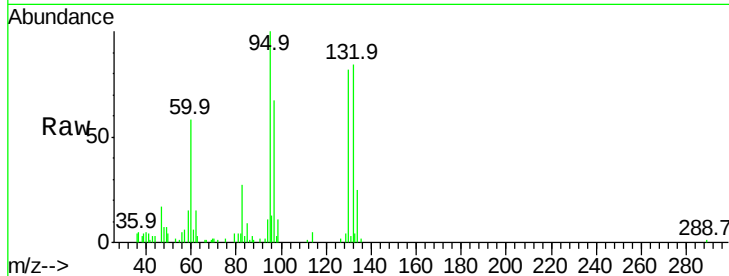
Tgt Ion: 62 Resp: 58629
Ion Ratio Lower Upper
62 100
98 5.1 4.6 7.0





#38
 Trichloroethene
 Concen: 0.19 ppbv
 RT: 7.80 min
 Instrument: MSVOA_1
 Delta R.T.: 0.00 min
 Lab File: ClientSampleId: VSTDIC0.5
 Acq: 22 Feb 2022 6:04

Tgt Ion: 130 Resp: 14850
 Ion Ratio Lower Upper
 130 100
 95 121.3 98.1 147.1
 132 102.3 80.3 120.5
 97 83.0 63.5 95.3

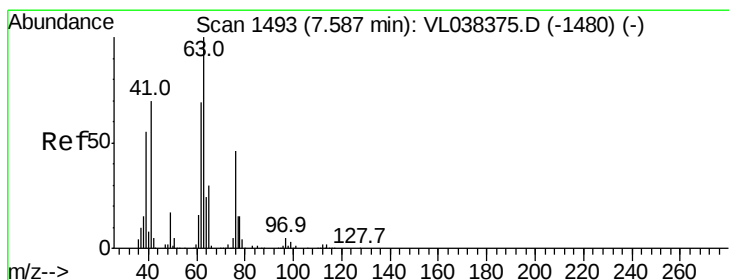
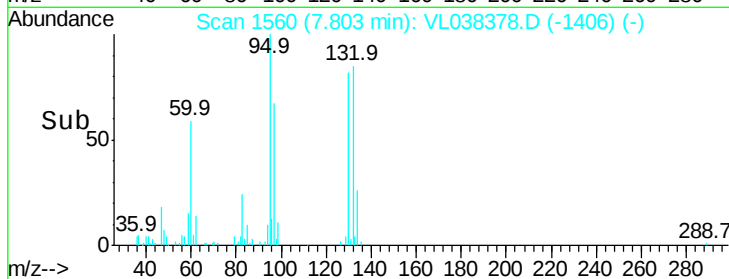
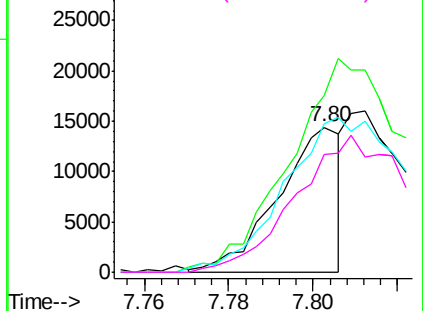


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

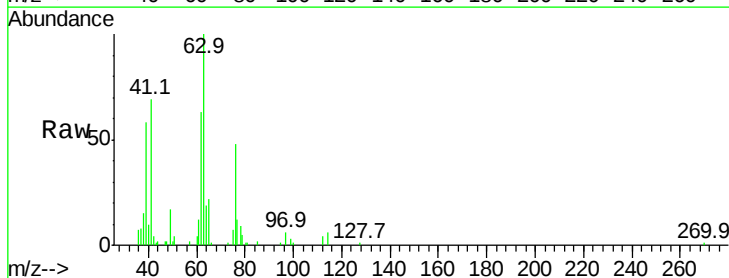
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39
 1,2-Dichloropropane
 Concen: 0.48 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T.: 0.00 min
 Lab File: VL038378.D
 Acq: 22 Feb 2022 6:04

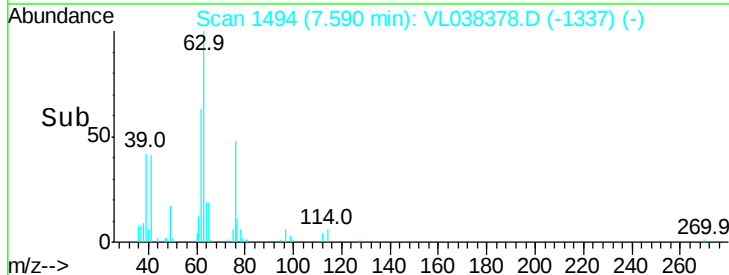
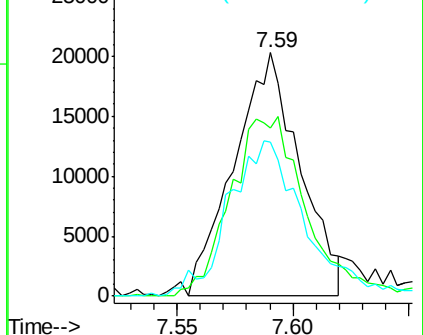
Tgt Ion: 63 Resp: 40185
 Ion Ratio Lower Upper
 63 100
 41 63.6 56.1 84.1
 62 52.3 55.5 83.3#

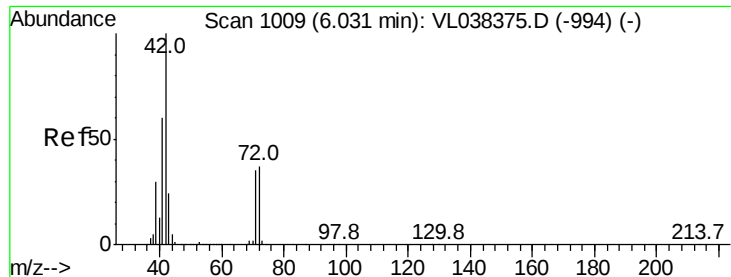


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

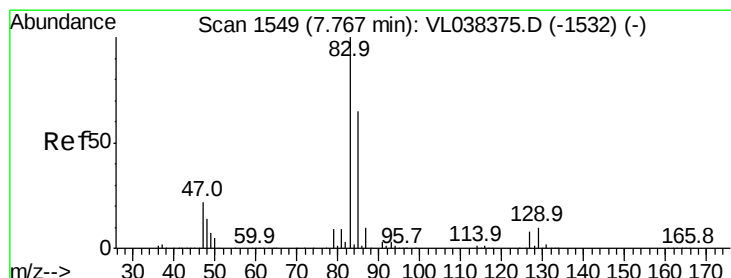
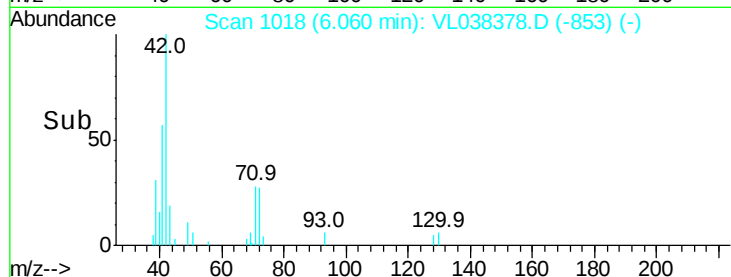
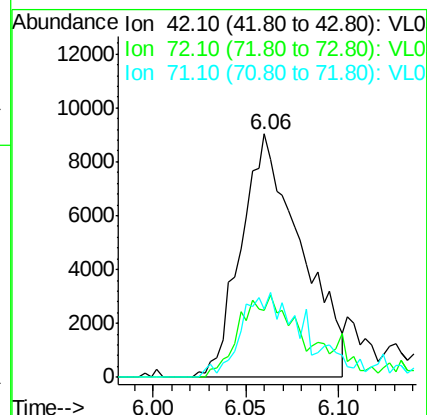
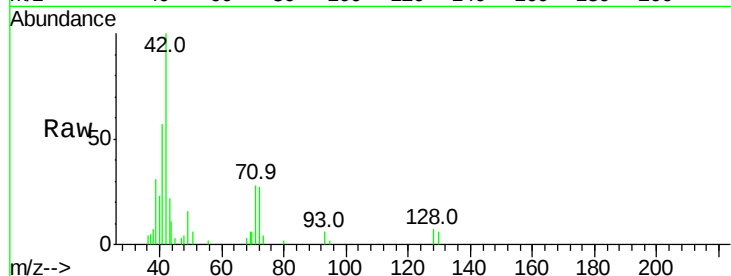
Ion 62.10 (61.80 to 62.80): VL0





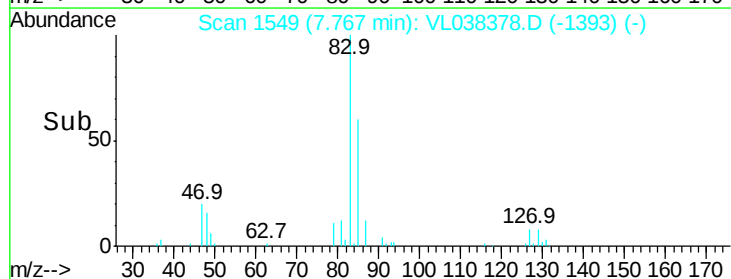
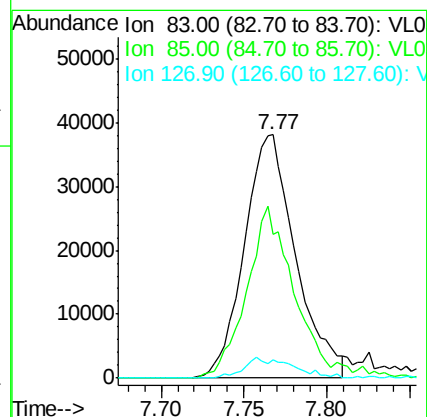
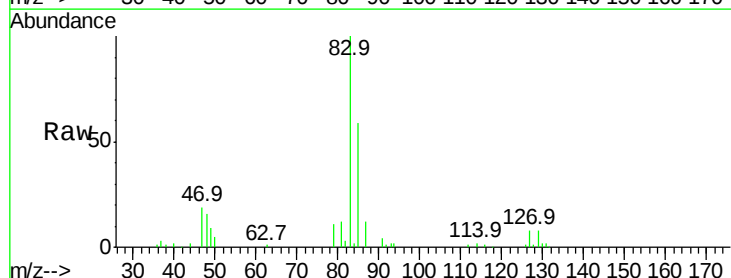
#41
Tetrahydrofuran
Concen: 0.40 ppbv
RT: 6.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 22 Feb 2022 6:04

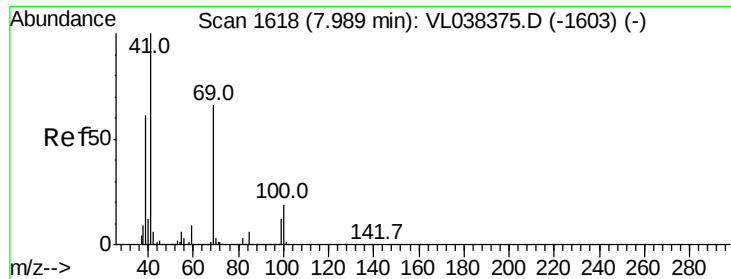
Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.1	29.9	44.9
71	41.3	28.6	42.8



#42
Bromodichloromethane
Concen: 0.47 ppbv
RT: 7.77 min Scan# 1549
Delta R.T.: 0.00 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

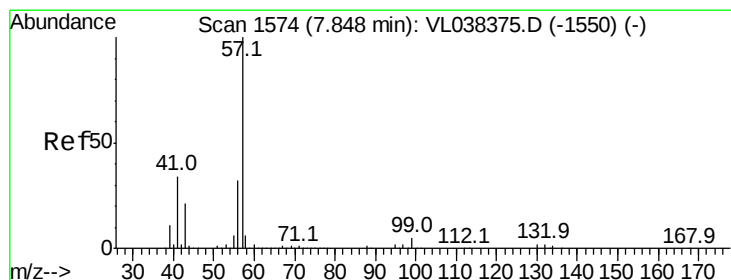
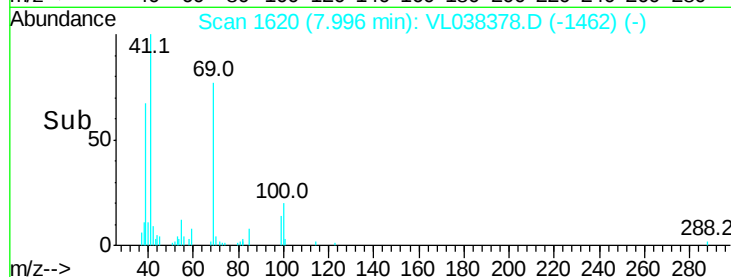
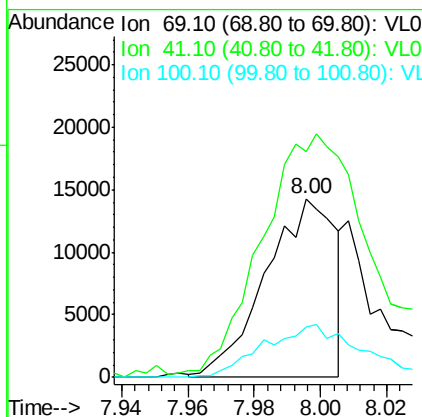
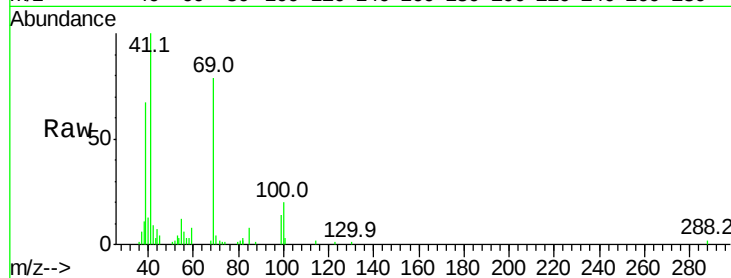
Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.1	52.2	78.4
127	8.8	6.2	9.4





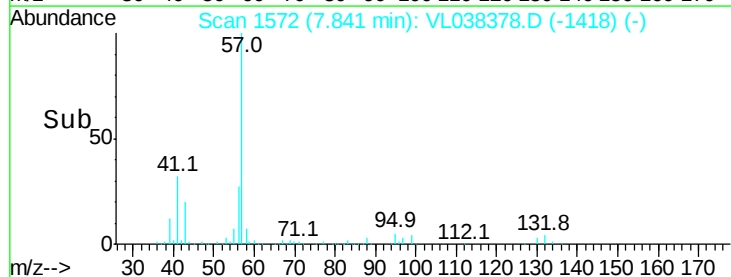
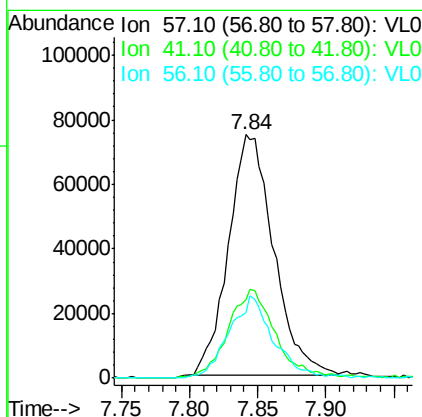
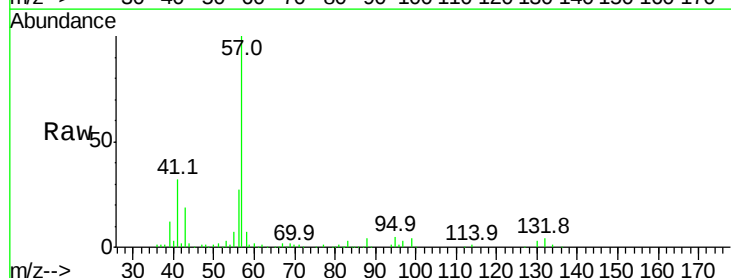
#43
Methyl Methacrylate
Concen: 0.29 ppbv
RT: 8.00
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC0.5
Acq: 22 Feb 2022 8:04

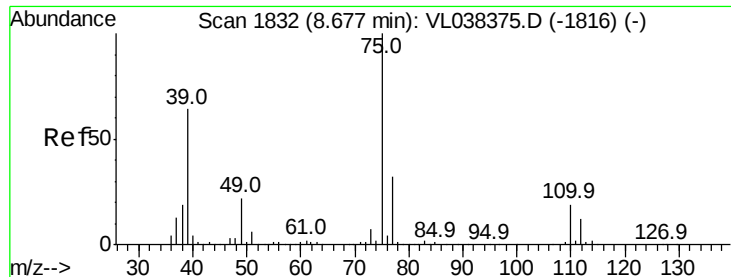
Tgt Ion: 69 Resp: 20833
Ion Ratio Lower Upper
69 100
41 225.1 122.9 184.3#
100 40.9 23.6 35.4#



#44
2,2,4-Trimethylpentane
Concen: 0.48 ppbv
RT: 7.84 min Scan# 1572
Delta R.T.: -0.01 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

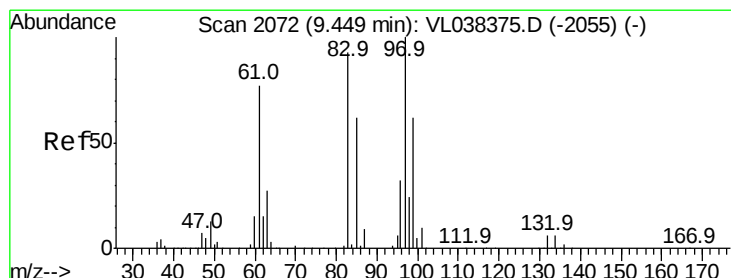
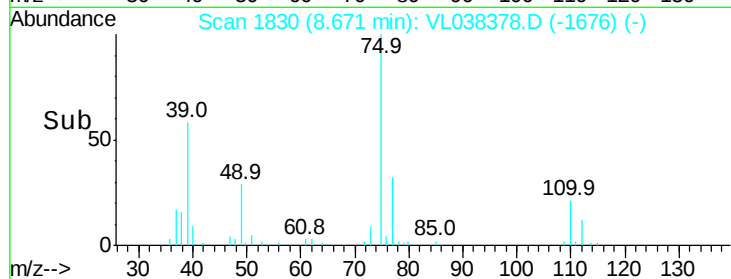
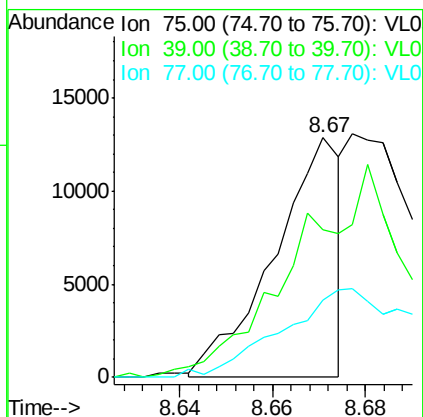
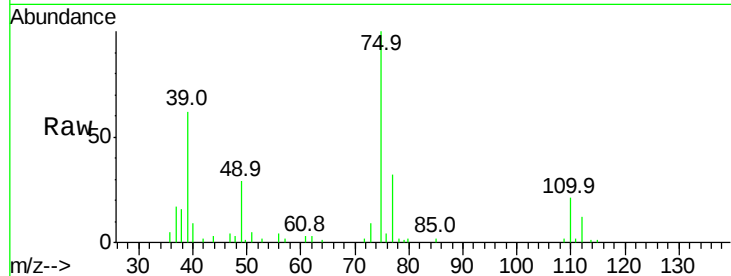
Tgt Ion: 57 Resp: 172217
Ion Ratio Lower Upper
57 100
41 38.8 26.6 39.8
56 33.7 25.0 37.6





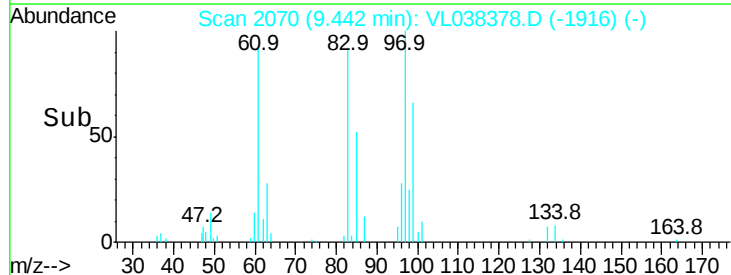
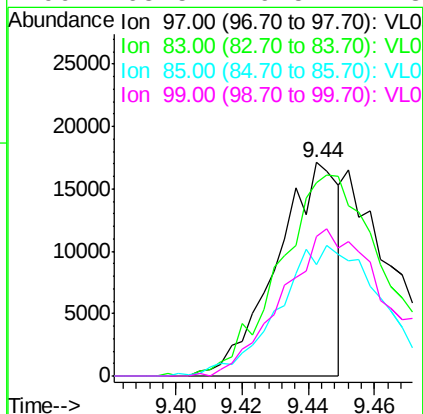
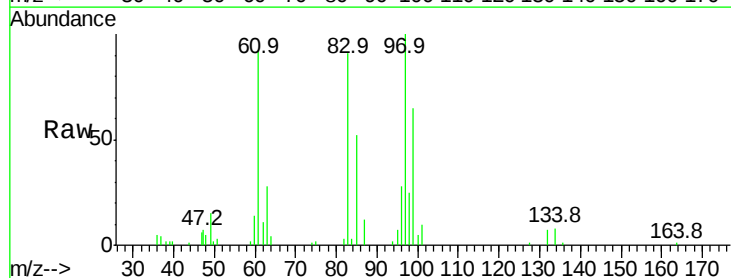
#46
 cis-1,3-Dichloropropene
 Concen: 0.16 ppbv
 RT: 8.67
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 22 Feb 2022 8:04

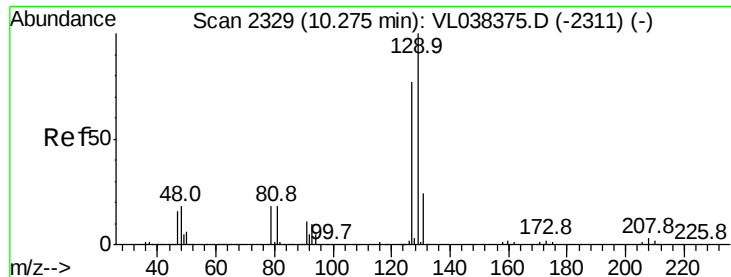
Tgt Ion: 75 Resp: 12824
 Ion Ratio Lower Upper
 75 100
 39 58.0 51.4 77.2
 77 29.2 25.4 38.2



#47
 1,1,2-Trichloroethane
 Concen: 0.27 ppbv
 RT: 9.44 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VL038378.D
 Acq: 22 Feb 2022 6:04

Tgt Ion: 97 Resp: 22200
 Ion Ratio Lower Upper
 97 100
 83 90.7 74.2 111.4
 85 51.0 49.8 74.8
 99 65.5 49.5 74.3





#48

Dibromochloromethane

Concen: 0.40 ppbv

RT: 10.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

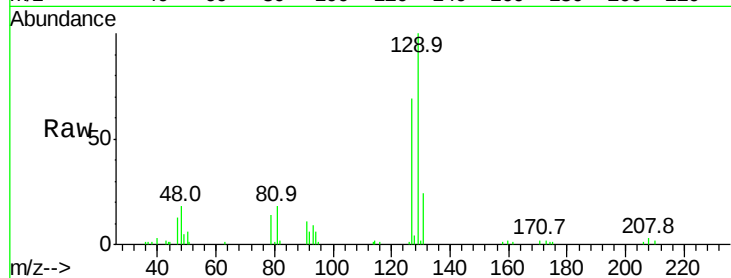
Acq: 22 Feb 2022 6:04

Tgt Ion:129 Resp: 55846

Ion Ratio Lower Upper

129 100

127 83.6 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.27

25000

20000

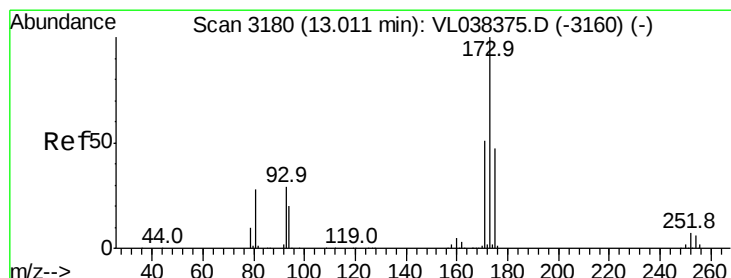
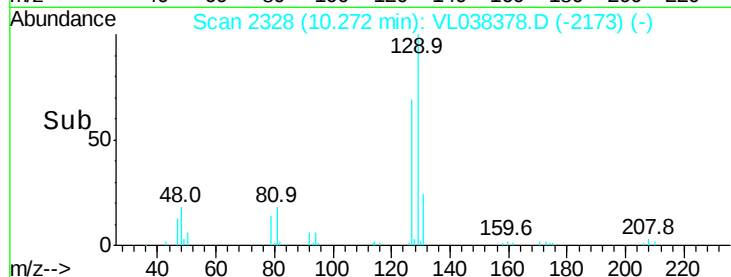
15000

10000

5000

0

Time--> 10.20 10.25 10.30



#49

Bromoform

Concen: 0.40 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

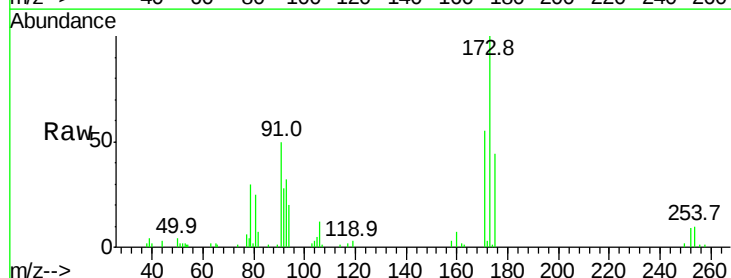
Tgt Ion:173 Resp: 40642

Ion Ratio Lower Upper

173 100

175 54.0 40.2 60.2

171 56.4 42.7 64.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

25000

20000

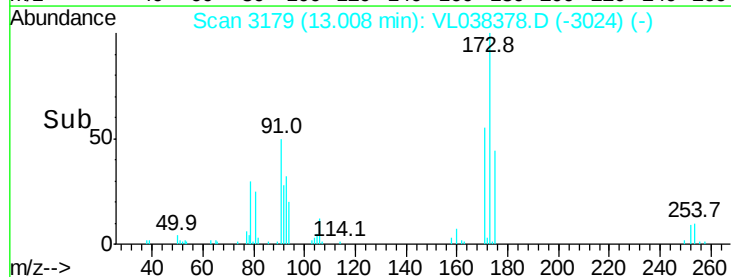
15000

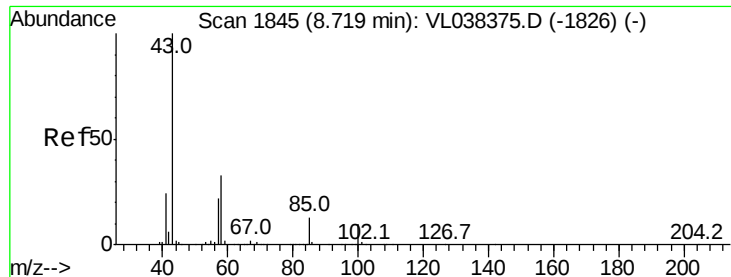
10000

5000

0

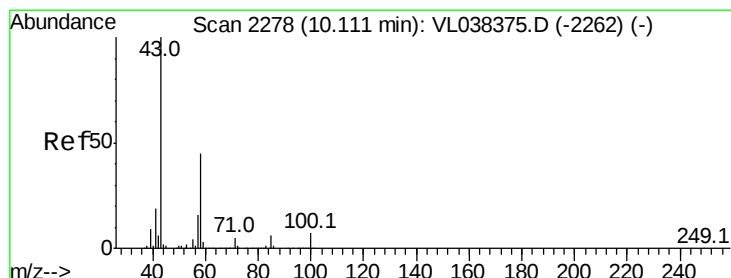
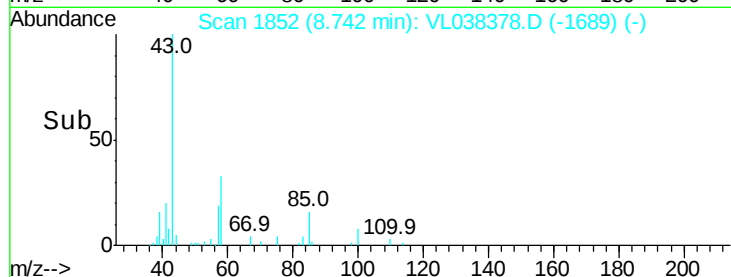
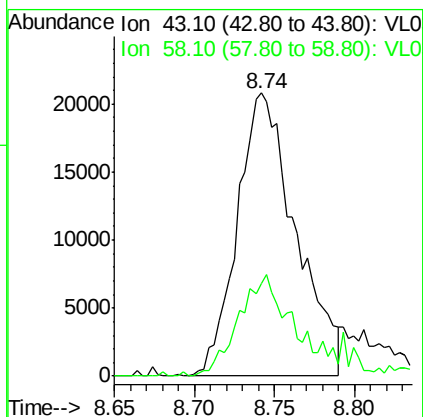
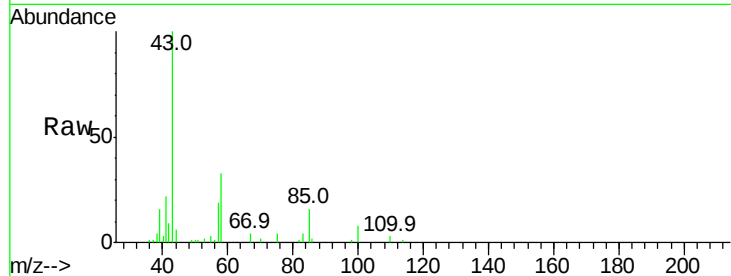
Time--> 12.95 13.00 13.05





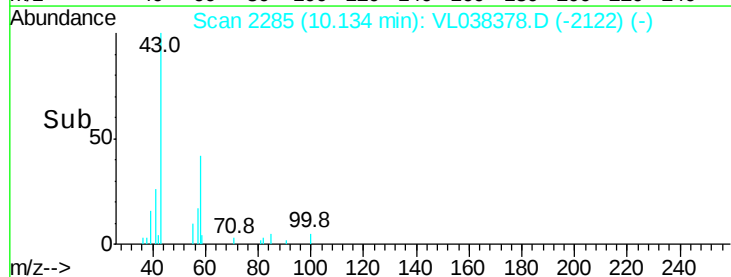
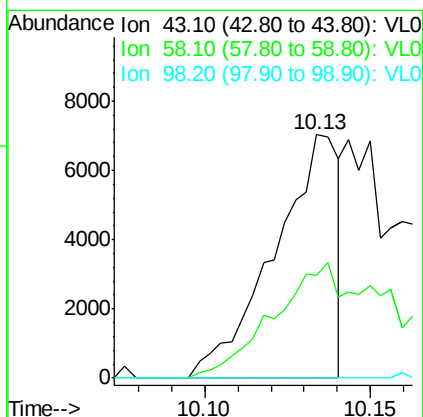
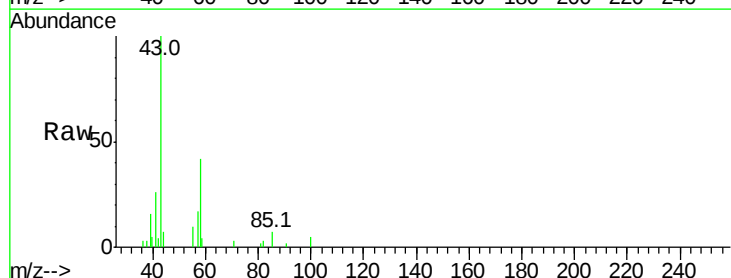
#50
 4-Methyl-2-Pentanone
 Concen: 0.38 ppbv
 RT: 8.74
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 22 Feb 2022 8:04

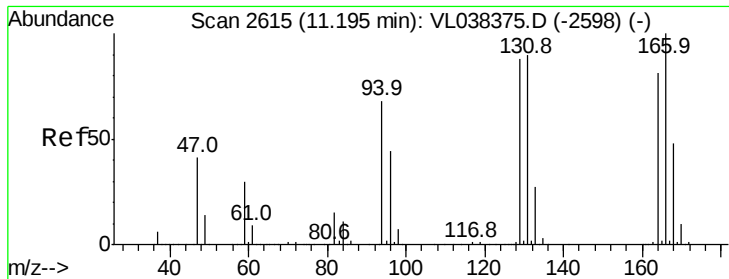
Tgt Ion: 43 Resp: 52145
 Ion Ratio Lower Upper
 43 100
 58 33.0 27.7 41.5



#51
 2-Hexanone
 Concen: 0.16 ppbv
 RT: 10.13 min Scan# 2285
 Delta R.T. 0.02 min
 Lab File: VL038378.D
 Acq: 22 Feb 2022 6:04

Tgt Ion: 43 Resp: 9546
 Ion Ratio Lower Upper
 43 100
 58 115.0 37.4 56.0#
 98 0.0 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.19 ppbv

RT: 11.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 8:04

Tgt Ion: 164 Resp: 13645

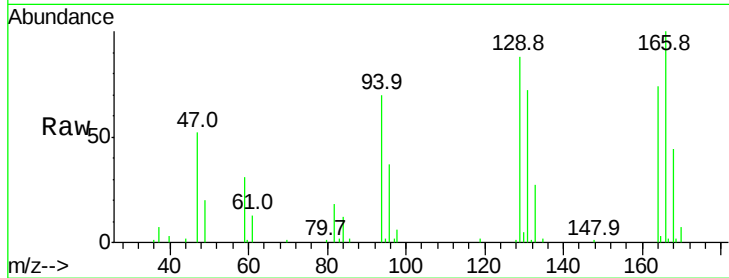
Ion Ratio Lower Upper

164 100

166 132.7 98.6 148.0

129 116.9 86.9 130.3

131 92.1 88.6 133.0



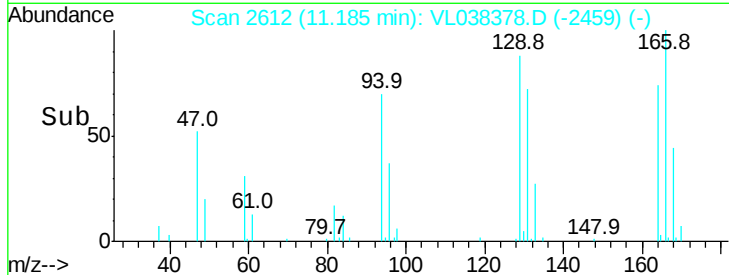
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



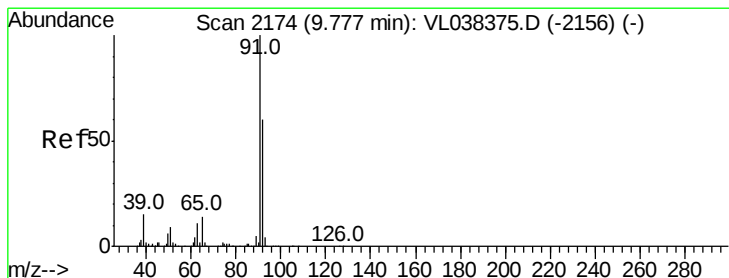
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Time-->



#53

Toluene

Concen: 0.29 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VL038378.D

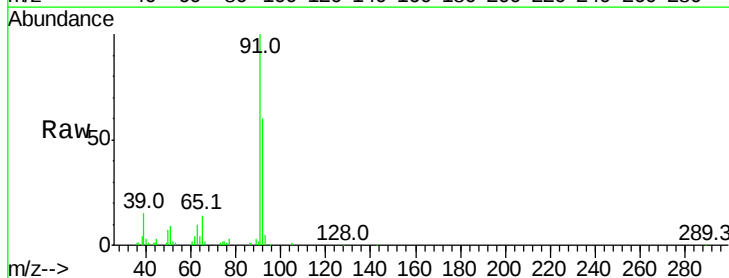
Acq: 22 Feb 2022 6:04

Tgt Ion: 91 Resp: 65397

Ion Ratio Lower Upper

91 100

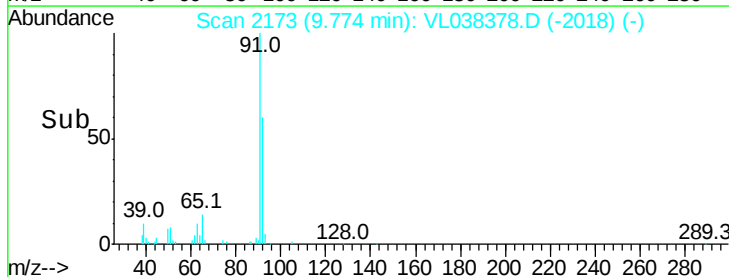
92 94.9 48.2 72.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

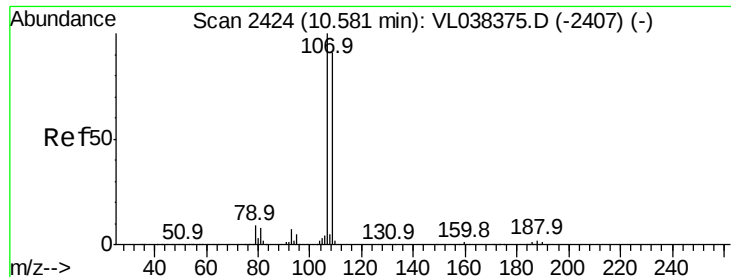
Time-->



Abundance Ion 91.10 (90.80 to 91.80): VL0

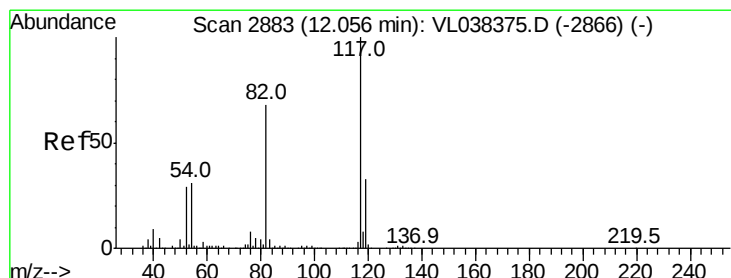
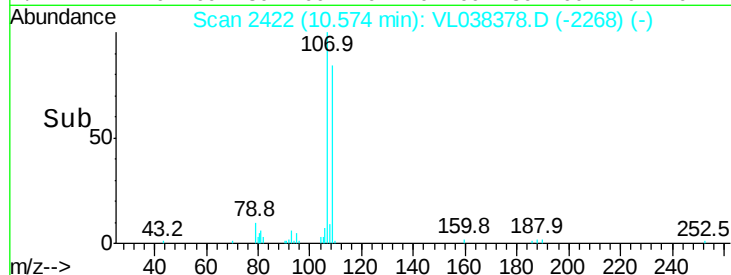
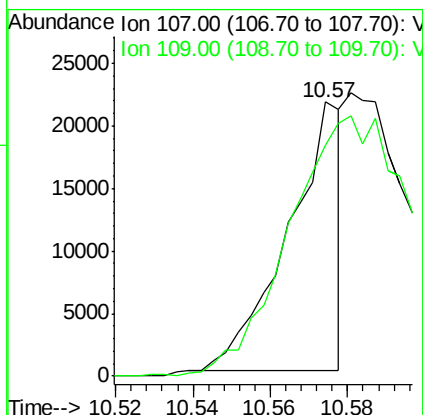
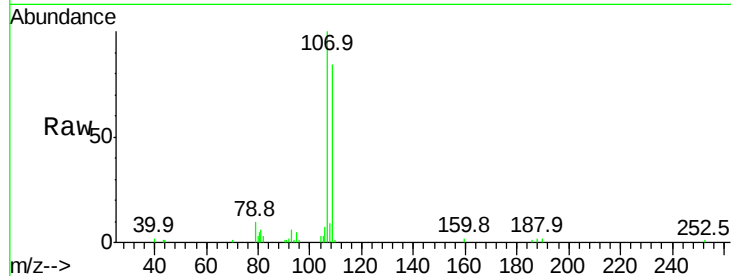
Ion 92.10 (91.80 to 92.80): VL0

Time-->



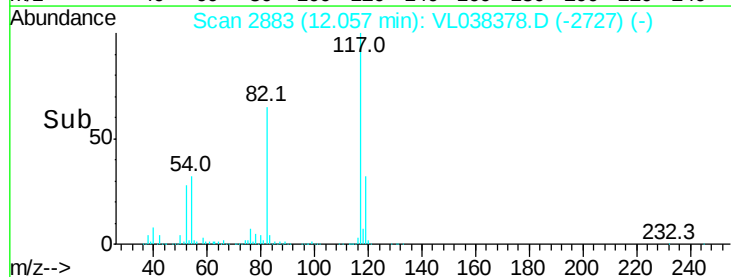
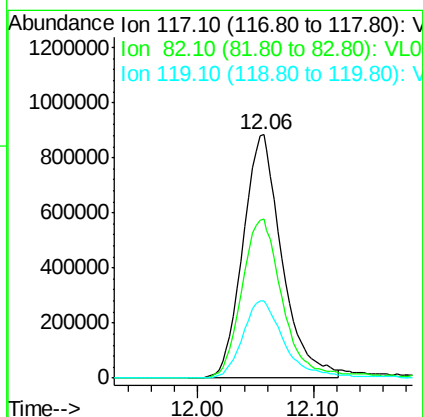
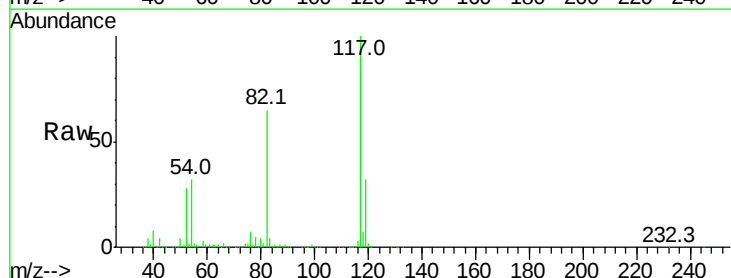
#54
 1,2-Dibromoethane
 Concen: 0.18 ppbv
 RT: 10.57
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 22 Feb 2022 6:04

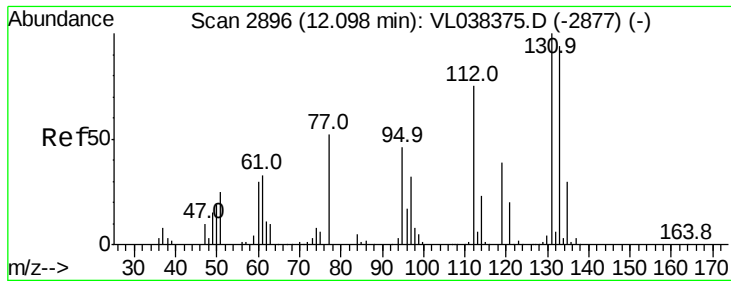
Tgt Ion:107 Resp: 20614
 Ion Ratio Lower Upper
 107 100
 109 85.1 73.0 109.6



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.06 min Scan# 2883
 Delta R.T.: 0.00 min
 Lab File: VL038378.D
 Acq: 22 Feb 2022 6:04

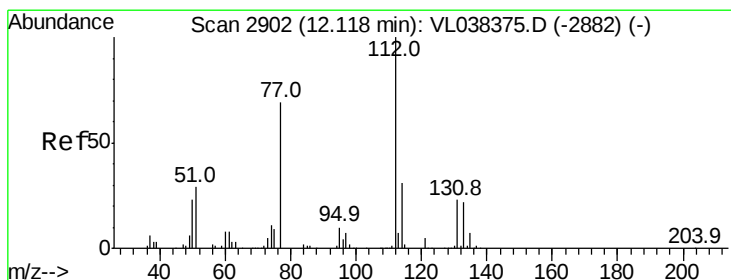
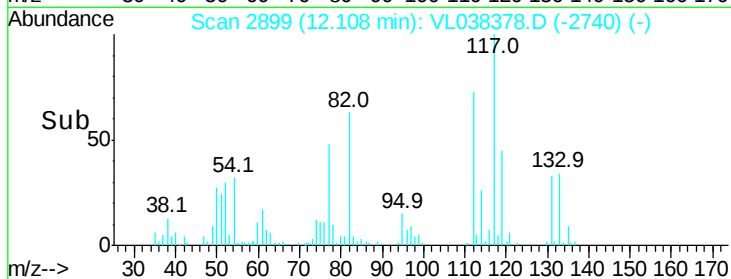
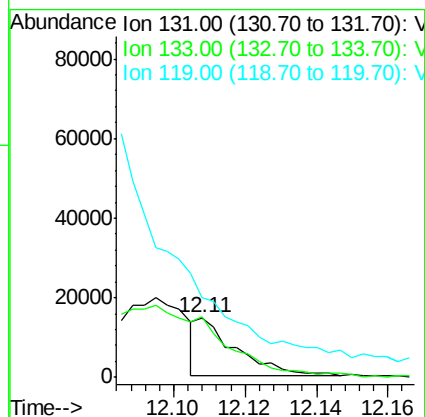
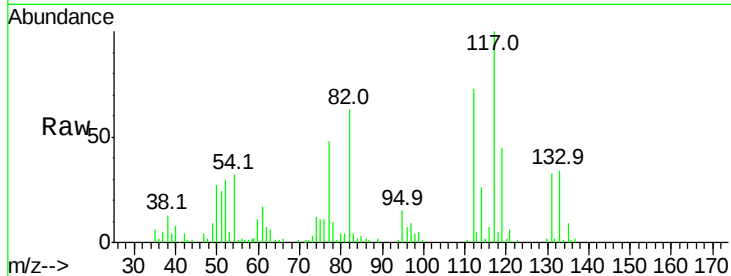
Tgt Ion:117 Resp: 2075674
 Ion Ratio Lower Upper
 117 100
 82 70.4 54.9 82.3
 119 34.5 46.1 69.1#





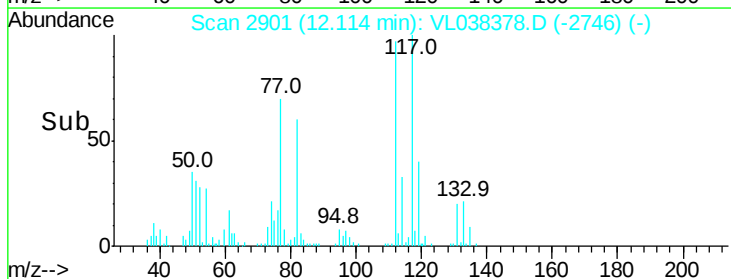
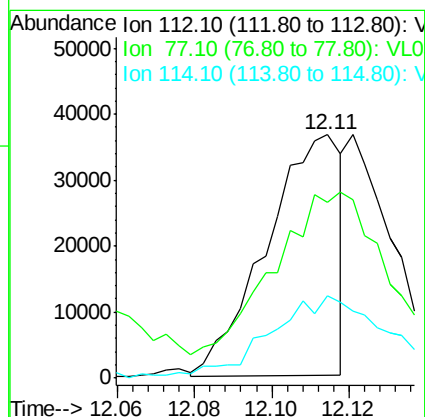
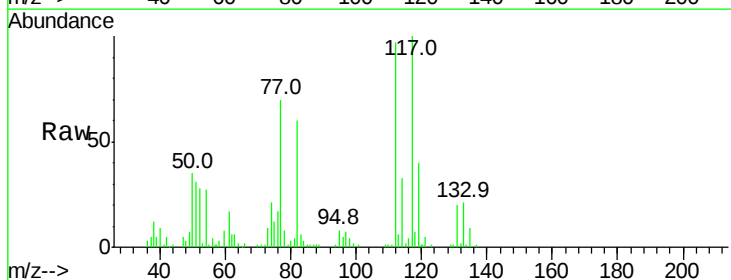
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.12 ppbv
 RT: 12.11 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 22 Feb 2022 6:04

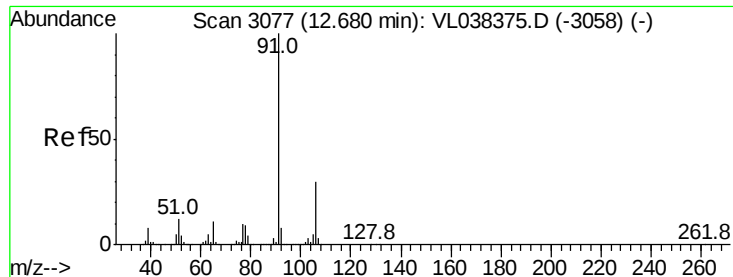
Tgt Ion:131 Resp: 10902
 Ion Ratio Lower Upper
 131 100
 133 0.0 77.3 115.9#
 119 0.0 48.6 73.0#



#57
 Chlorobenzene
 Concen: 0.29 ppbv
 RT: 12.11 min Scan# 2901
 Delta R.T. -0.00 min
 Lab File: VL038378.D
 Acq: 22 Feb 2022 6:04

Tgt Ion:112 Resp: 48786
 Ion Ratio Lower Upper
 112 100
 77 64.0 55.2 82.8
 114 32.8 27.9 34.1





#58

Ethyl Benzene

Concen: 0.46 ppbv

RT: 12.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

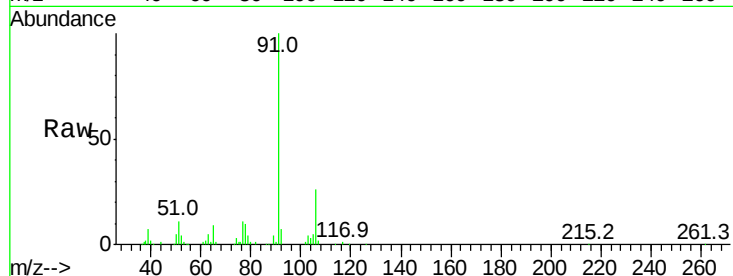
Acq: 22 Feb 2022 6:04

Tgt Ion: 91 Resp: 139088

Ion Ratio Lower Upper

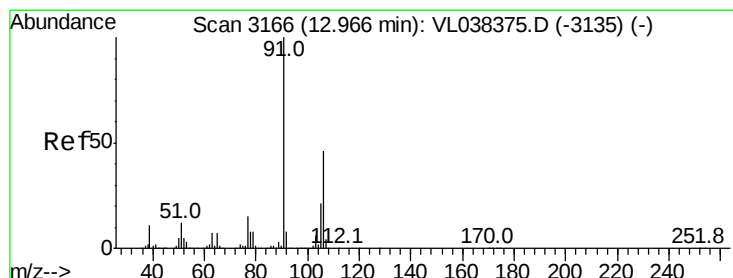
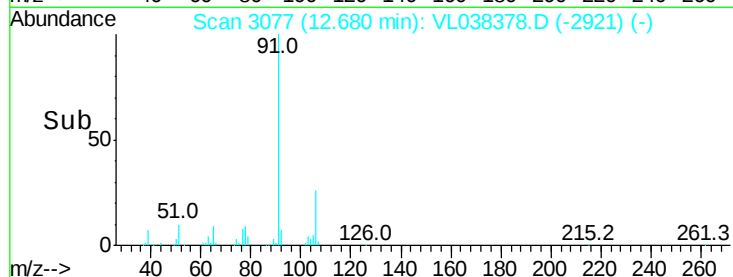
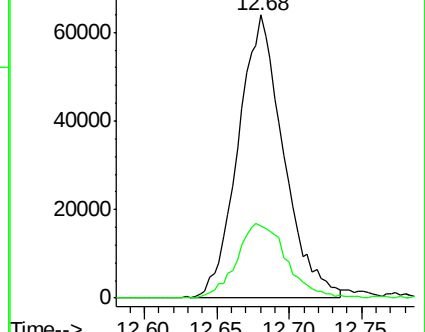
91 100

106 25.5 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.36 ppbv

RT: 12.97 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VL038378.D

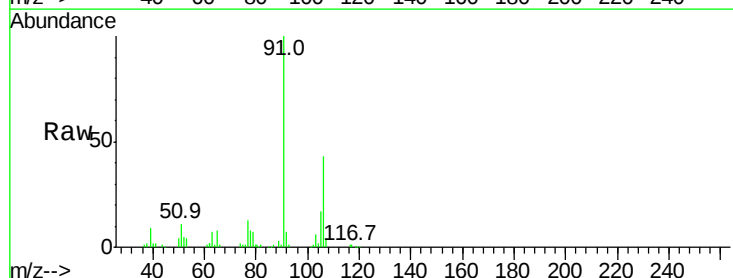
Acq: 22 Feb 2022 6:04

Tgt Ion: 91 Resp: 92980

Ion Ratio Lower Upper

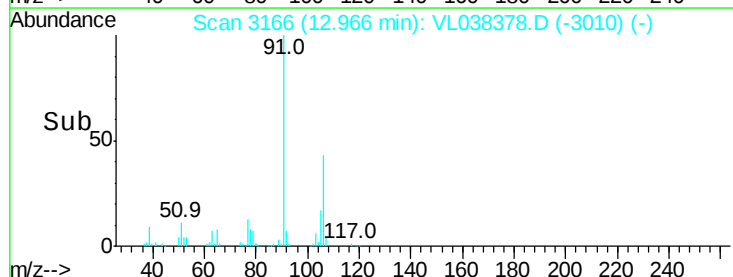
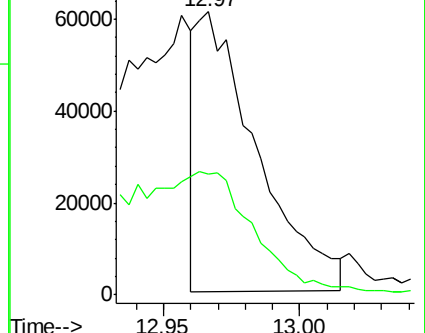
91 100

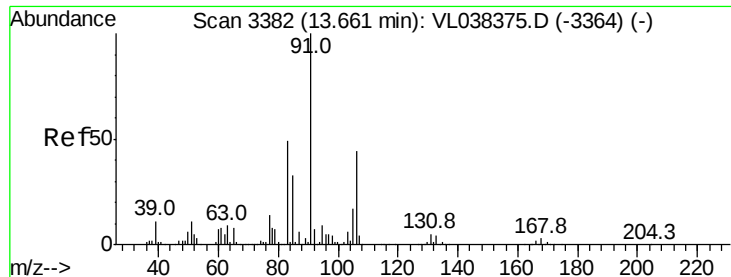
106 109.9 34.4 51.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.47 ppbv

RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

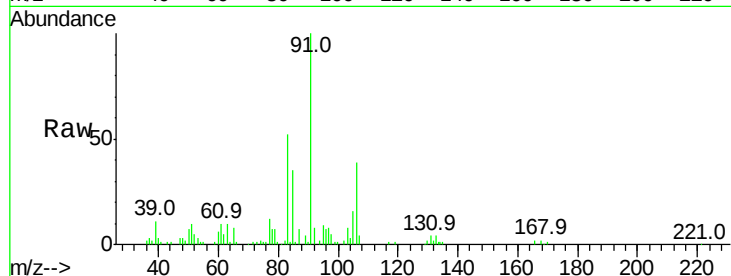
Acq: 22 Feb 2022 6:04

Tgt Ion: 91 Resp: 114748

Ion Ratio Lower Upper

91 100

106 43.0 21.9 65.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

60000

50000

40000

30000

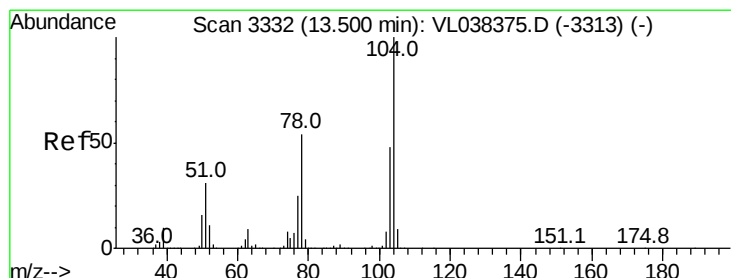
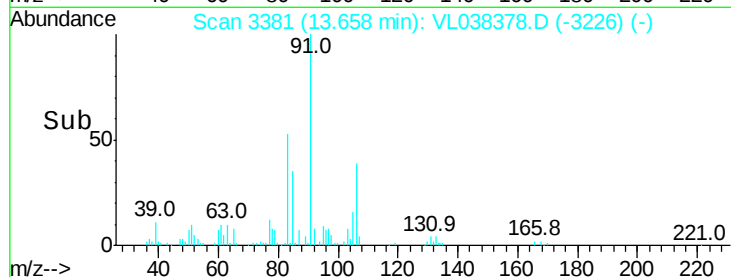
20000

10000

0

13.60 13.65 13.70

Time-->



#61

Styrene

Concen: 0.37 ppbv

RT: 13.50 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

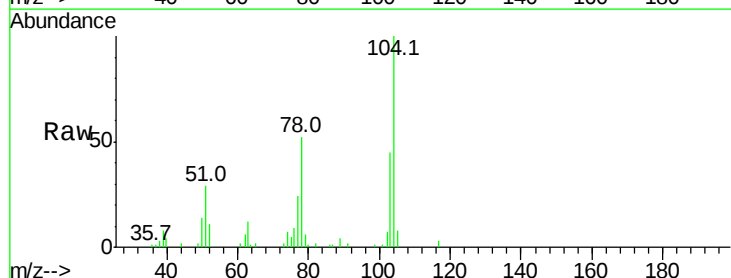
Tgt Ion: 104 Resp: 41808

Ion Ratio Lower Upper

104 100

78 63.0 44.2 66.4

103 53.1 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

25000

20000

15000

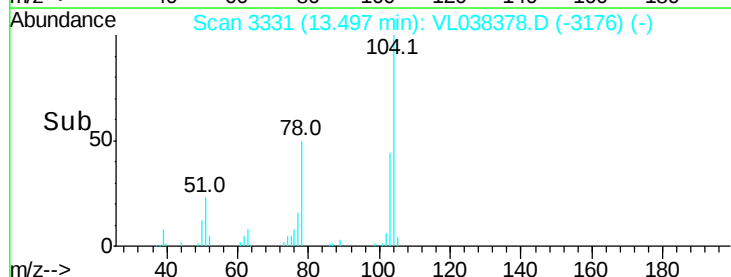
10000

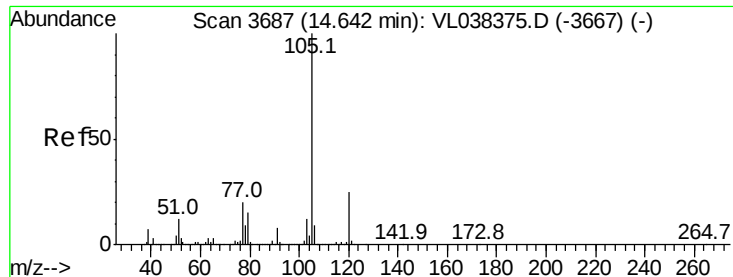
5000

0

13.45 13.50 13.55

Time-->





#62

Isopropylbenzene

Concen: 0.49 ppbv

RT: 14.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

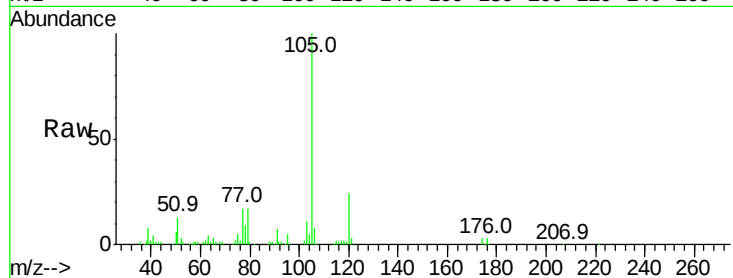
Acq: 22 Feb 2022 8:04

Tgt Ion: 105 Resp: 157711

Ion Ratio Lower Upper

105 100

120 25.1 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.64

80000

60000

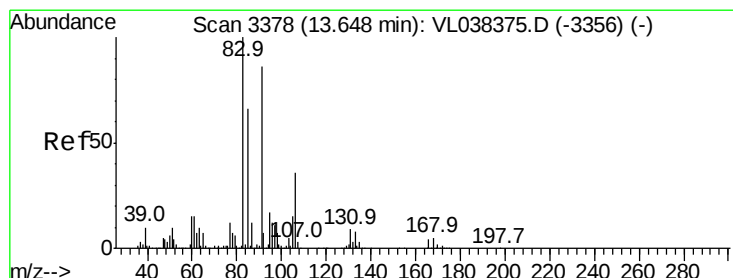
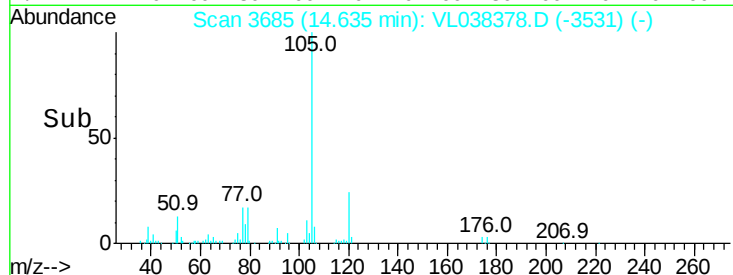
40000

20000

0

Time-->

14.55 14.60 14.65 14.70



#63

1,1,2,2-Tetrachloroethane

Concen: 0.51 ppbv

RT: 13.64 min Scan# 3377

Delta R.T. -0.00 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

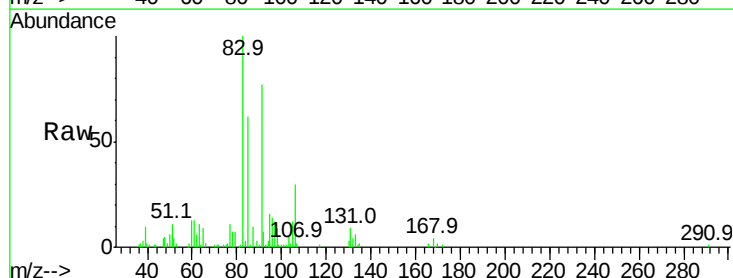
Tgt Ion: 83 Resp: 91980

Ion Ratio Lower Upper

83 100

131 9.5 4.5 13.7

85 67.8 33.0 99.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

13.64

50000

40000

30000

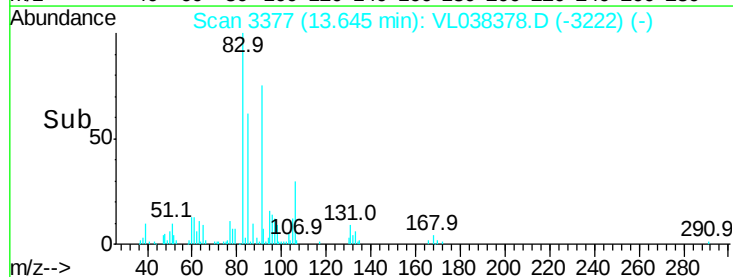
20000

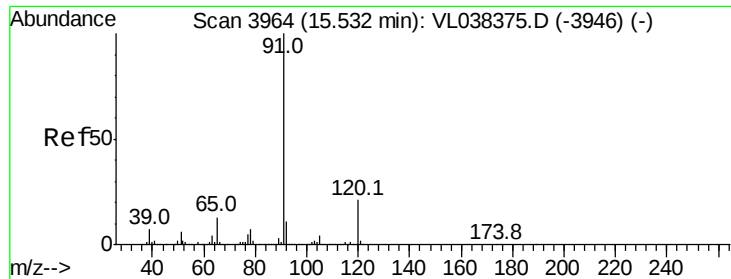
10000

0

Time-->

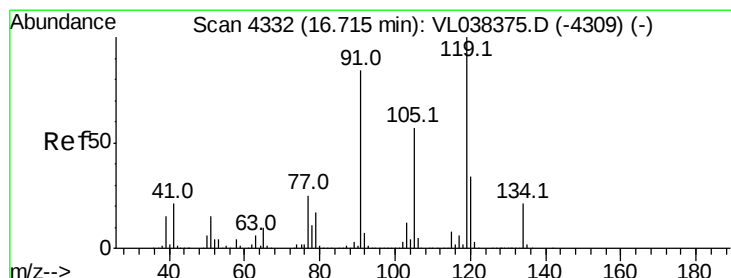
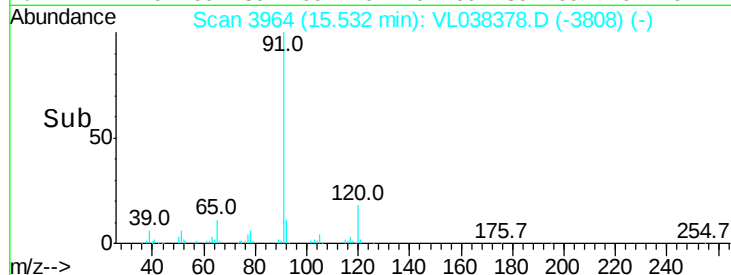
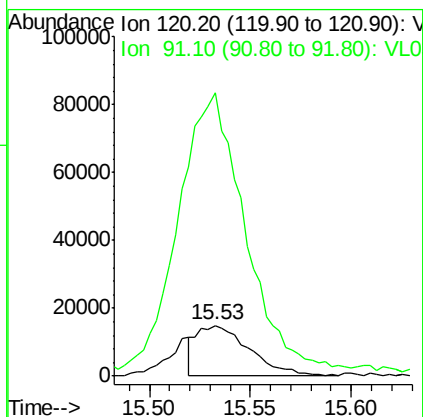
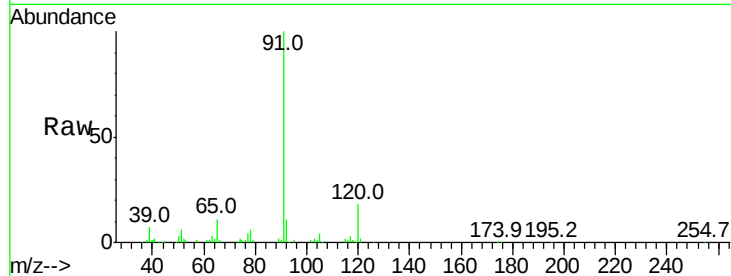
13.60 13.70





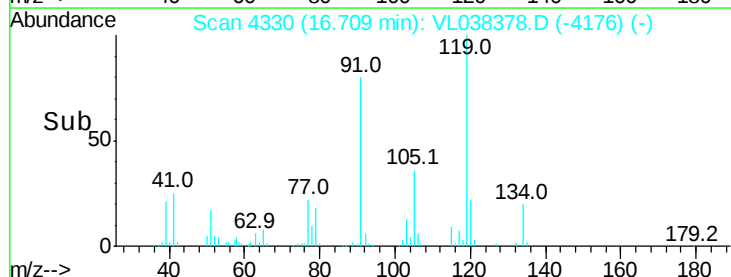
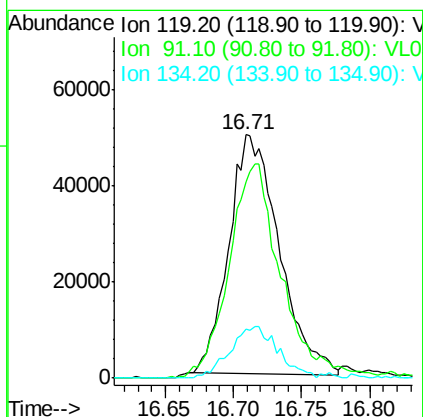
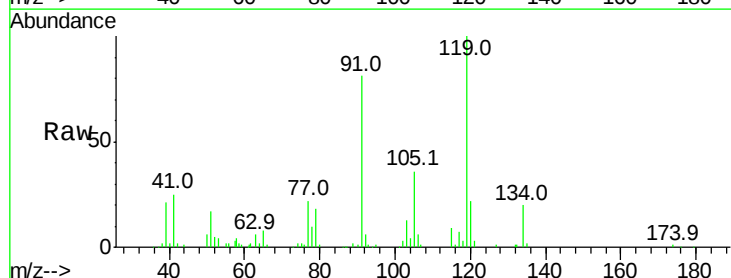
#64
n-propylbenzene
Concen: 0.33 ppbv
RT: 15.53 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 22 Feb 2022 6:04

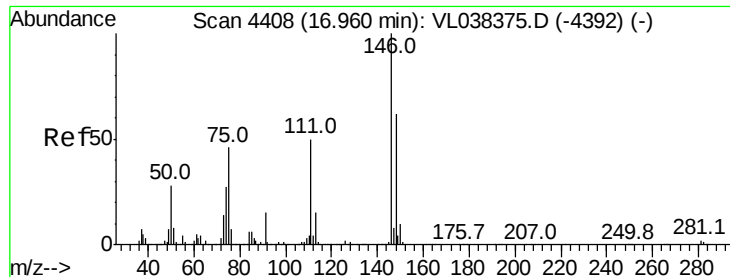
Tgt Ion:120 Resp: 26243
Ion Ratio Lower Upper
120 100
91 761.6 388.1 582.1#



#65
tert-Butylbenzene
Concen: 0.47 ppbv
RT: 16.71 min Scan# 4330
Delta R.T. -0.01 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

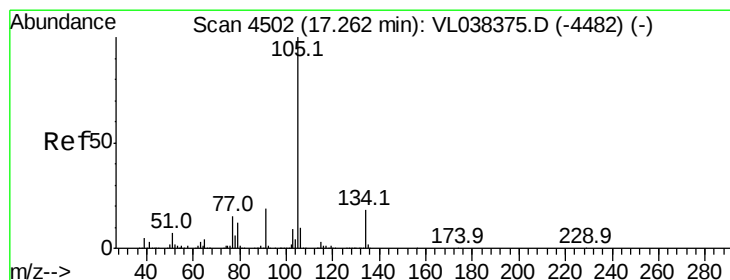
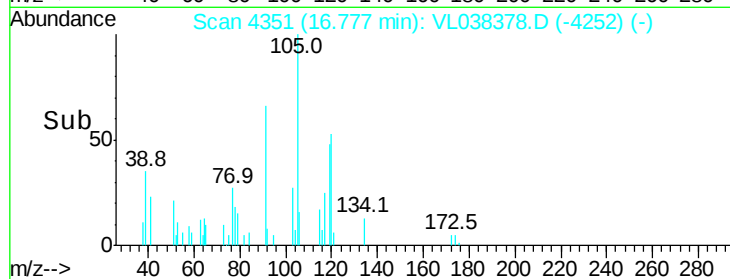
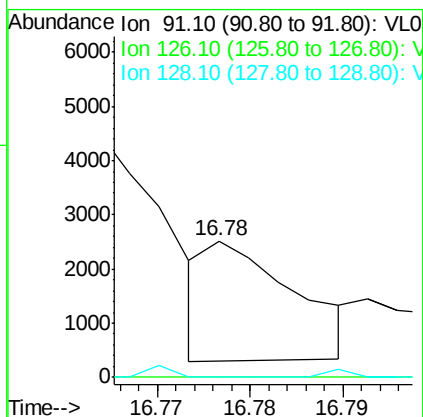
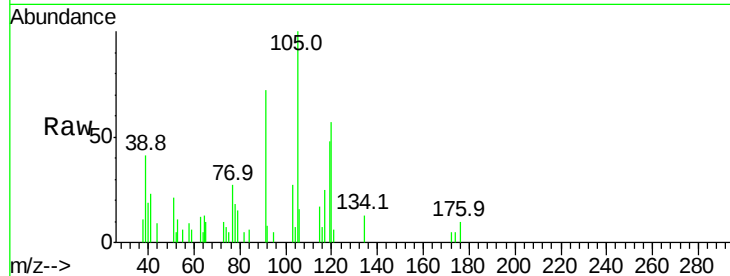
Tgt Ion:119 Resp: 128229
Ion Ratio Lower Upper
119 100
91 92.1 68.0 102.0
134 21.3 15.8 23.8





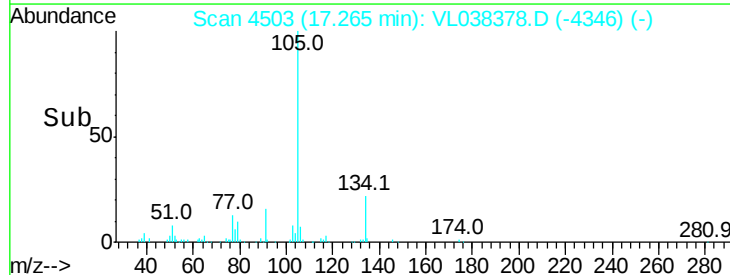
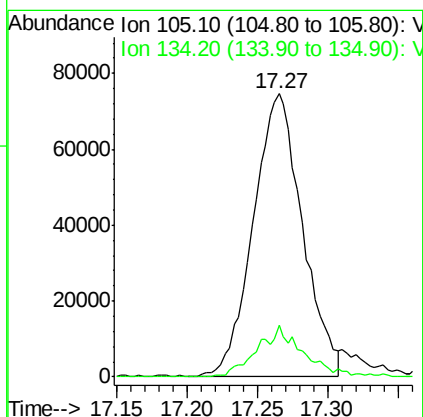
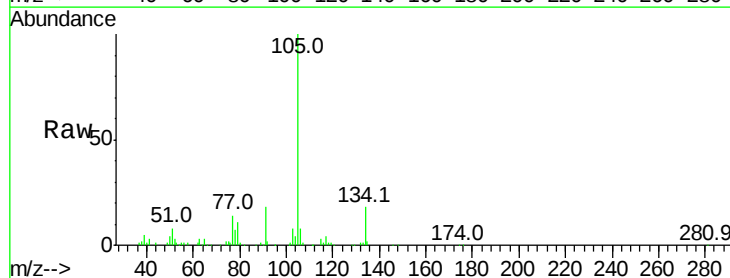
#66
Benzyl Chloride
Concen: 0.12 ppbv
RT: 16.78 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: ClientSampleId : VSTDIC0.5
Acq: 22 Feb 2022 6:04

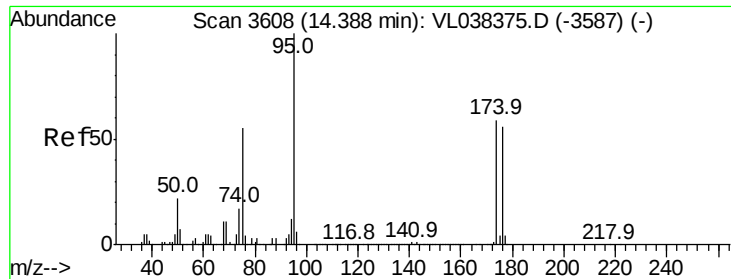
Tgt Ion: 91 Resp: 1470
Ion Ratio Lower Upper
91 100
126 2.4 12.3 18.5#
128 7.1 4.2 6.4#



#67
sec-Butylbenzene
Concen: 0.48 ppbv
RT: 17.27 min Scan# 4503
Delta R.T.: 0.00 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

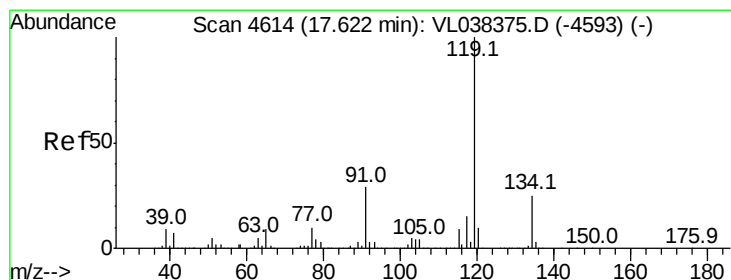
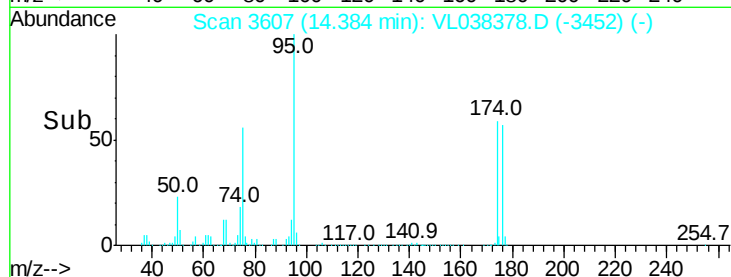
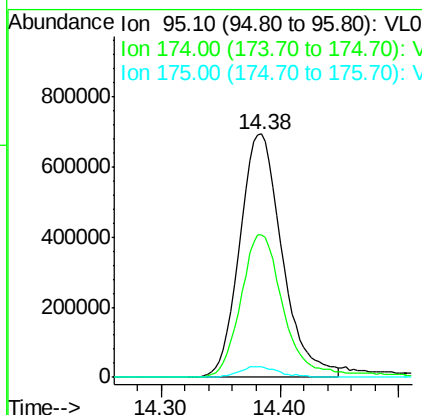
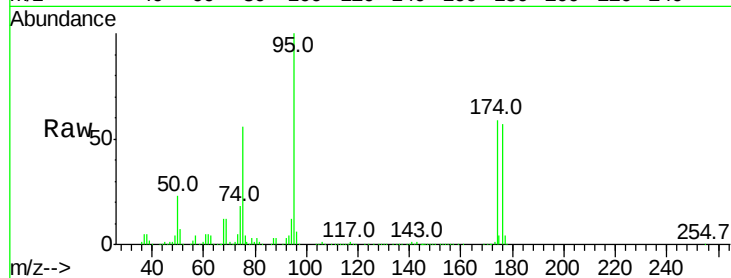
Tgt Ion: 105 Resp: 181670
Ion Ratio Lower Upper
105 100
134 17.1 14.6 21.8





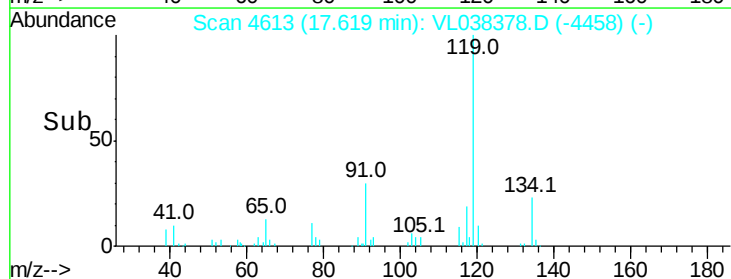
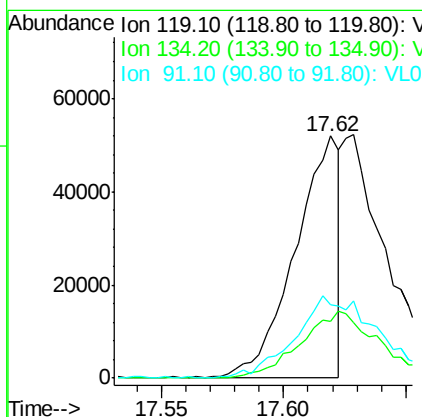
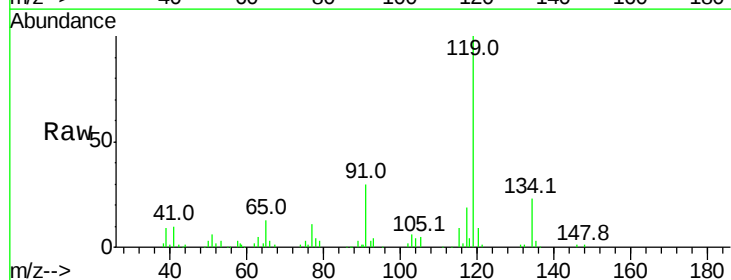
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.83 ppbv
 RT: 14.38 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 22 Feb 2022 6:04

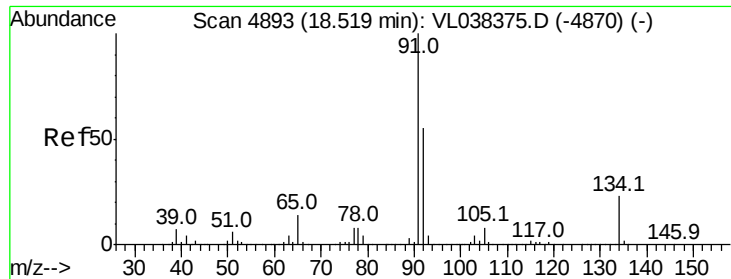
Tgt Ion: 95 Resp: 1719039
 Ion Ratio Lower Upper
 95 100
 174 61.8 49.0 73.4
 175 4.4 3.6 5.4



#69
 p-Isopropyltoluene
 Concen: 0.23 ppbv
 RT: 17.62 min Scan# 4613
 Delta R.T. -0.00 min
 Lab File: VL038378.D
 Acq: 22 Feb 2022 6:04

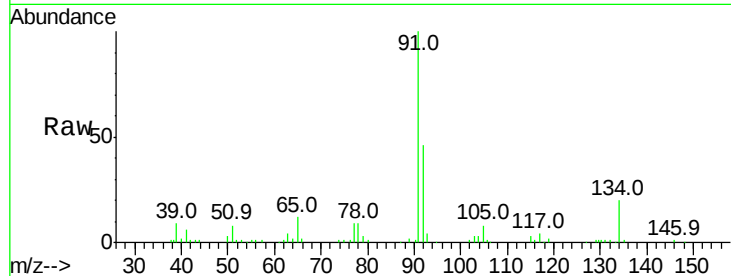
Tgt Ion: 119 Resp: 65631
 Ion Ratio Lower Upper
 119 100
 134 52.5 20.4 30.6#
 91 69.5 23.8 35.8#



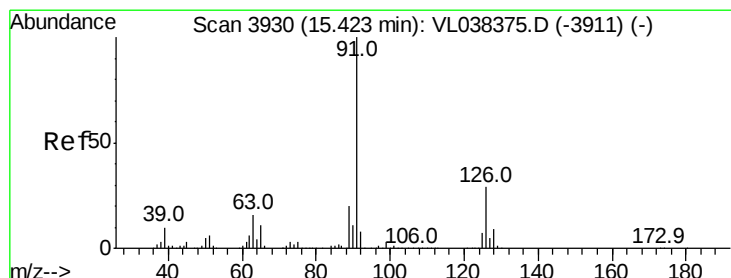
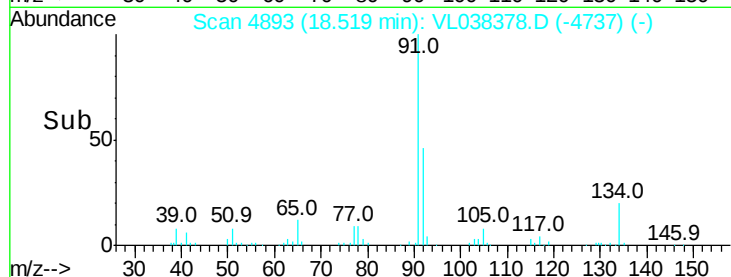
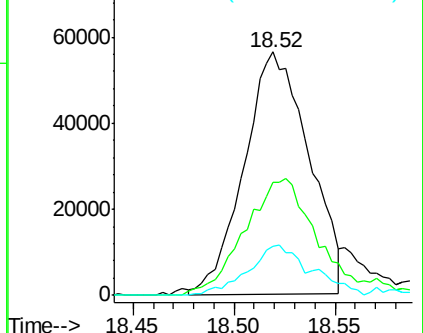


#70
n-Butylbenzene
Concen: 0.43 ppbv
RT: 18.52
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDIC0.5
Acq: 22 Feb 2022 6:04

Tgt Ion: 91 Resp: 125717
Ion Ratio Lower Upper
91 100
92 57.1 43.1 64.7
134 21.6 17.4 26.0

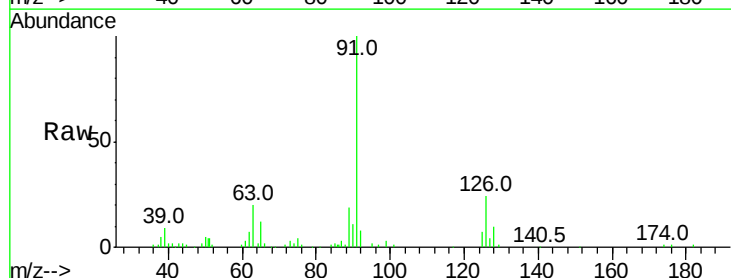


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V

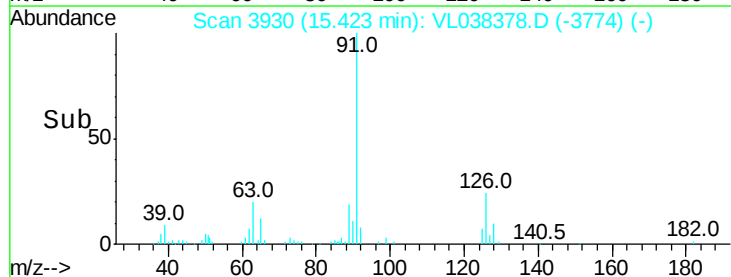
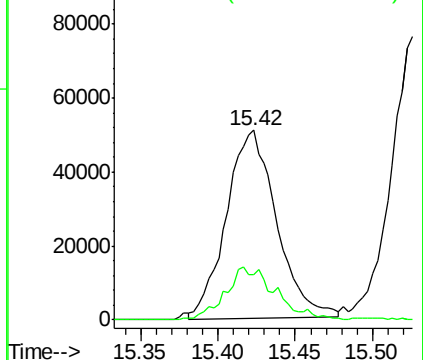


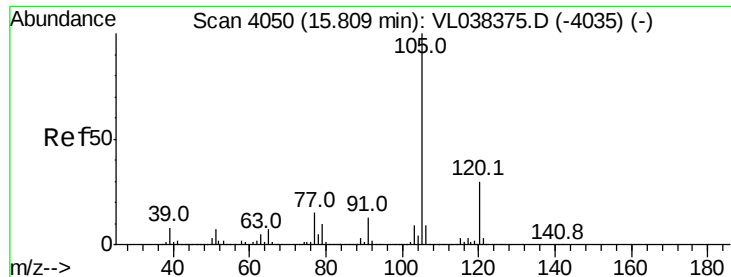
#71
2-Chlorotoluene
Concen: 0.48 ppbv
RT: 15.42 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VL038378.D
Acq: 22 Feb 2022 6:04

Tgt Ion: 91 Resp: 115490
Ion Ratio Lower Upper
91 100
126 28.7 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.45 ppbv

RT: 15.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC0.5

Acq: 22 Feb 2022 6:04

Tgt Ion:105 Resp: 114961

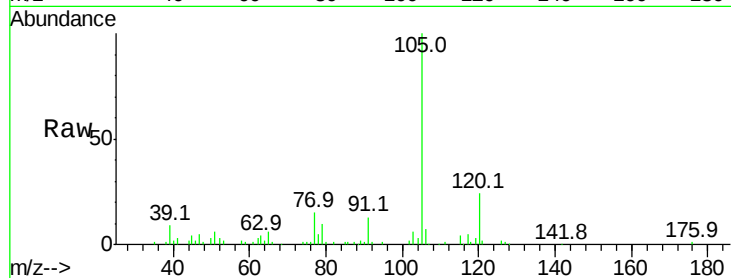
Ion Ratio Lower Upper

105 100

120 30.5 23.4 35.2

91 17.6 10.4 15.6#

77 16.6 11.6 17.4

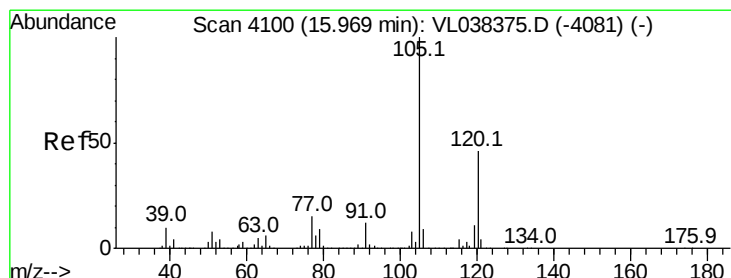
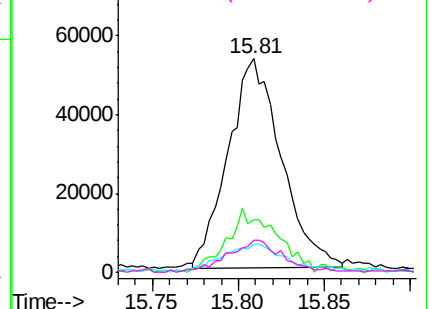
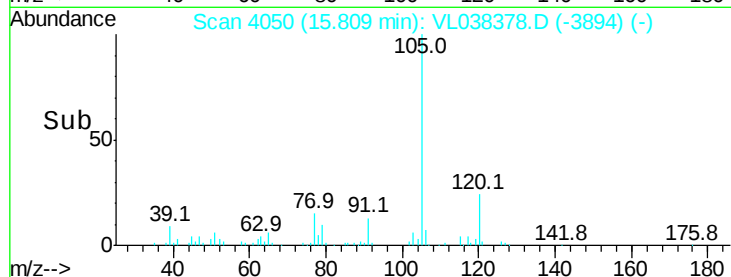


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.46 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. 0.00 min

Lab File: VL038378.D

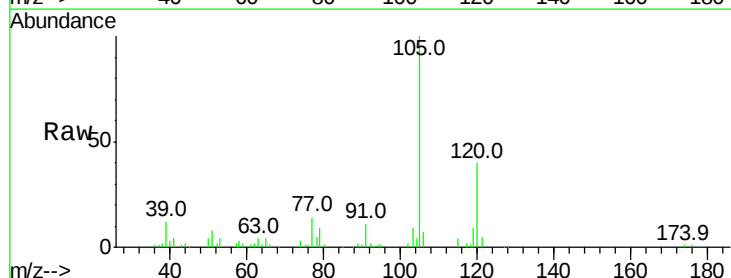
Acq: 22 Feb 2022 6:04

Tgt Ion:105 Resp: 106878

Ion Ratio Lower Upper

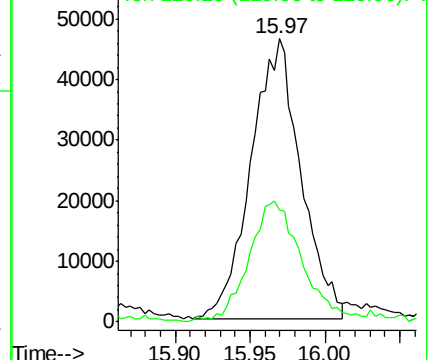
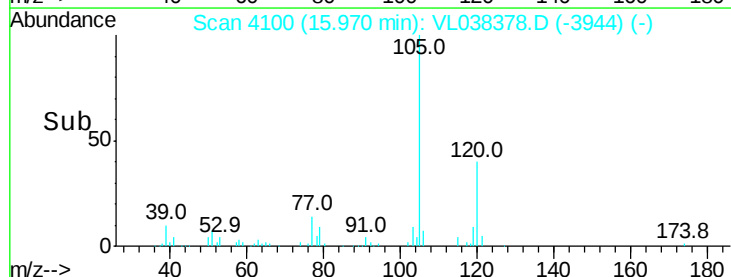
105 100

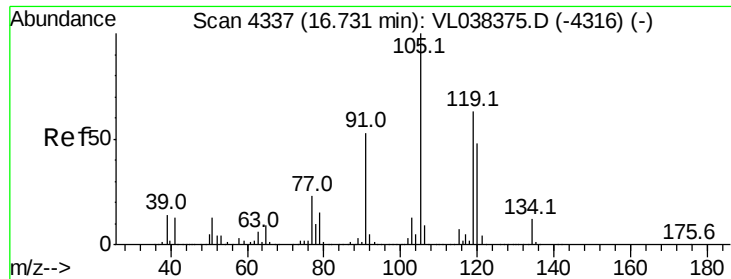
120 39.4 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.45 ppbv

RT: 16.73

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC005

Acq: 22 Feb 2022 6:04

Tgt Ion:105 Resp: 111155

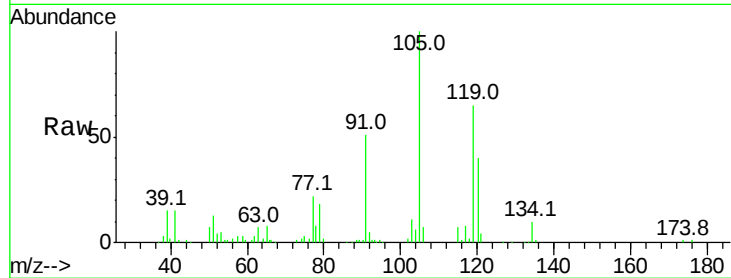
Ion Ratio Lower Upper

105 100

120 36.8 38.2 57.4#

91 43.5 42.7 64.1

77 16.7 18.5 27.7#

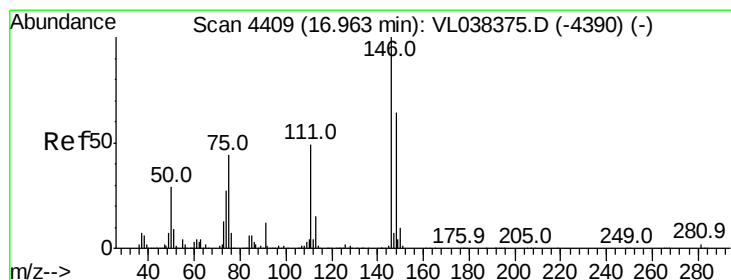
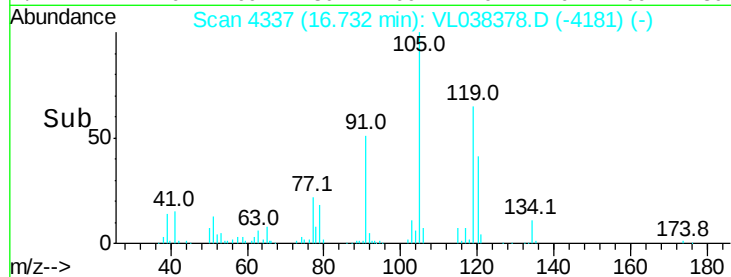
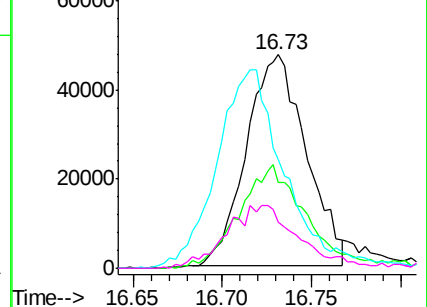


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.27 ppbv

RT: 16.96 min Scan# 4408

Delta R.T. -0.00 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

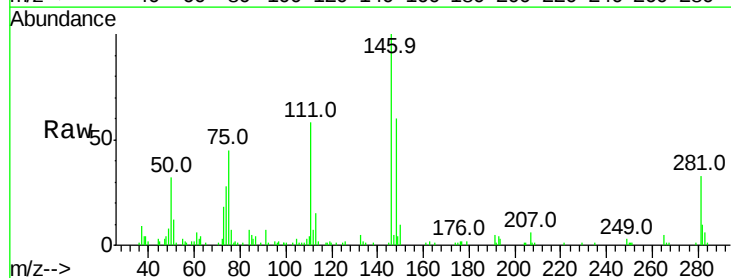
Tgt Ion:146 Resp: 35454

Ion Ratio Lower Upper

146 100

111 98.3 24.3 72.9#

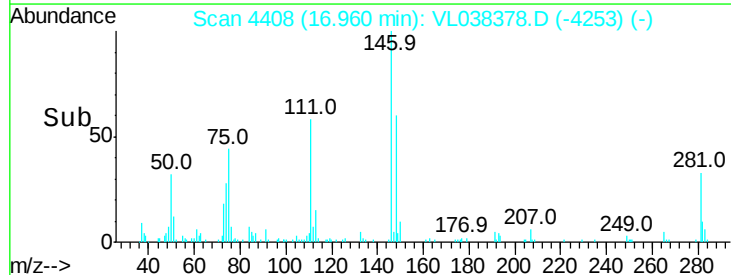
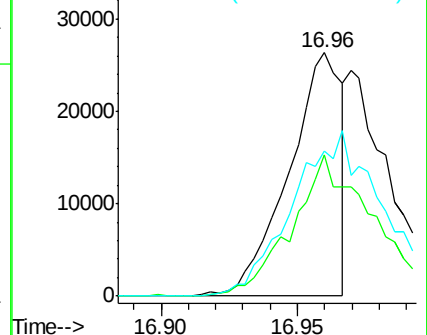
148 0.0 32.0 96.0#

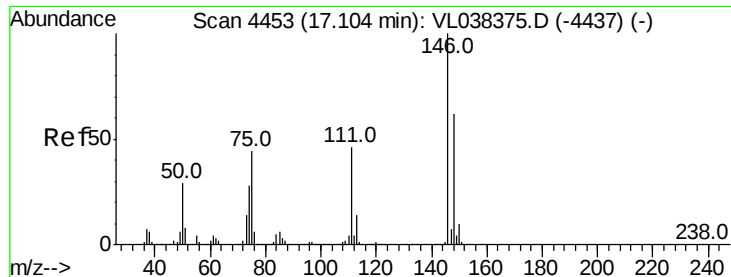


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

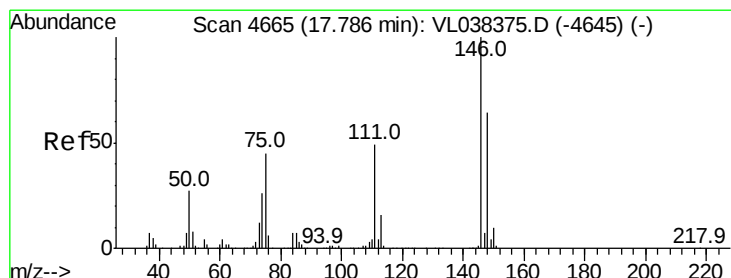
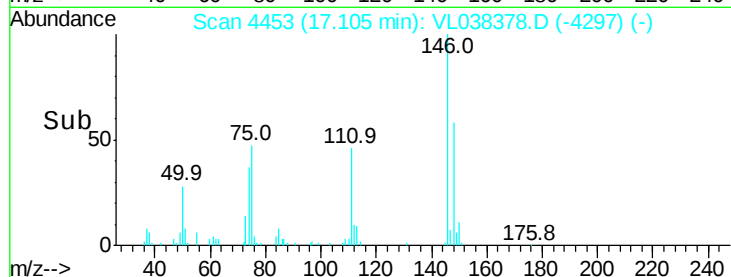
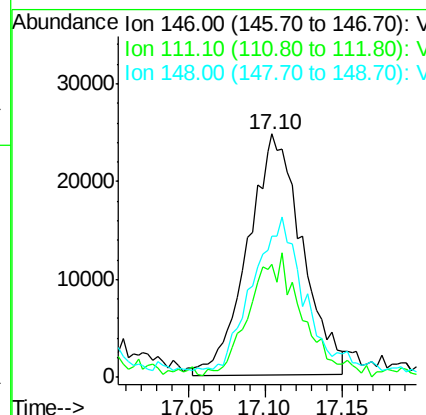
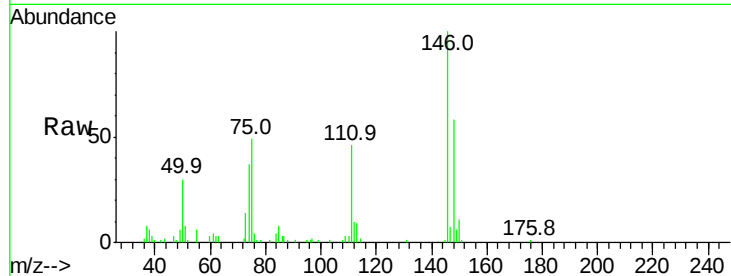
Ion 148.00 (147.70 to 148.70): V





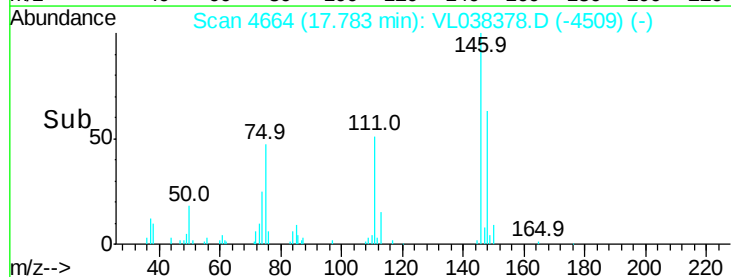
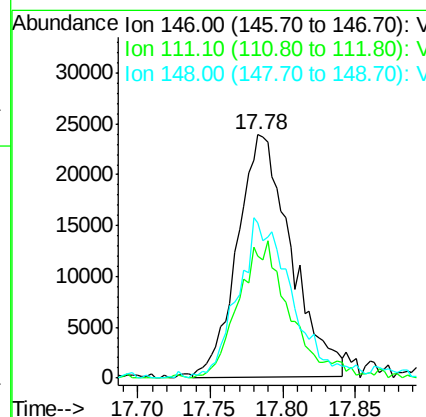
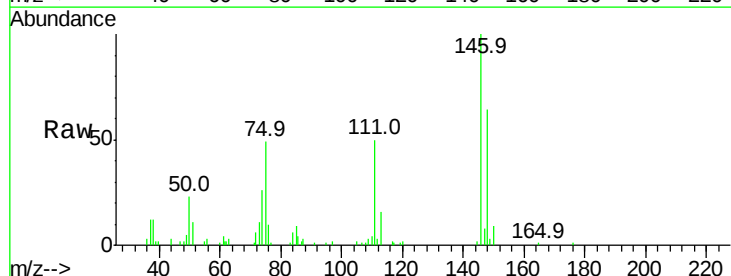
#76
 1,4-Dichlorobenzene
 Concen: 0.47 ppbv
 RT: 17.10 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 22 Feb 2022 6:04

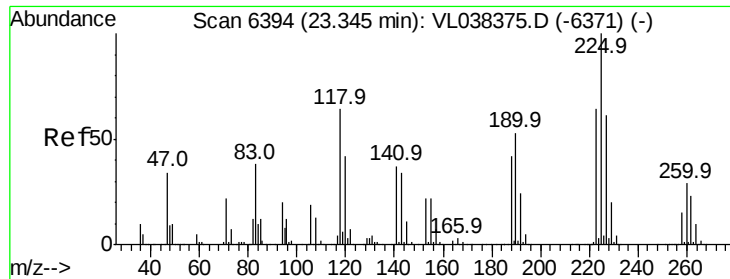
Tgt Ion:146 Resp: 60180
 Ion Ratio Lower Upper
 146 100
 111 53.4 24.1 72.2
 148 71.0 32.8 98.4



#77
 1,2-Dichlorobenzene
 Concen: 0.49 ppbv
 RT: 17.78 min Scan# 4664
 Delta R.T. -0.00 min
 Lab File: VL038378.D
 Acq: 22 Feb 2022 6:04

Tgt Ion:146 Resp: 61344
 Ion Ratio Lower Upper
 146 100
 111 55.8 25.6 76.6
 148 66.5 32.4 97.2





#78

Hexachloro-1,3-Butadiene

Concen: 0.26 ppbv

RT: 23.35 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC0.5

Acq: 22 Feb 2022 6:04

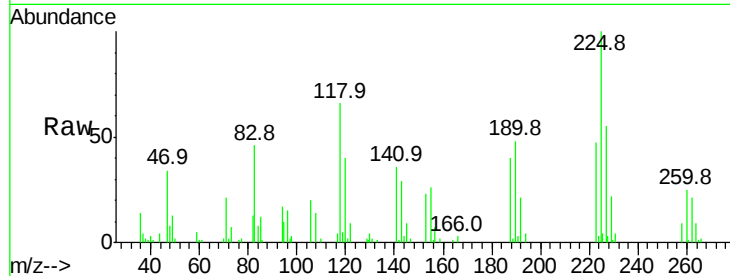
Tgt Ion: 225 Resp: 22224

Ion Ratio Lower Upper

225 100

223 0.0 52.0 78.0#

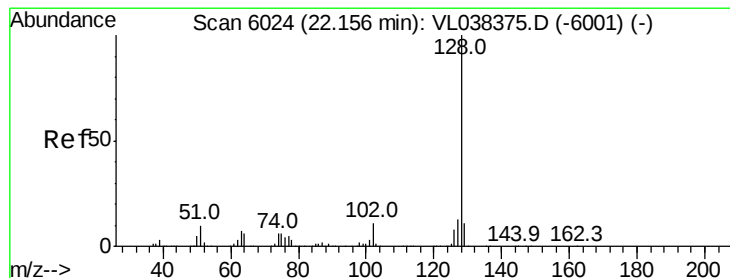
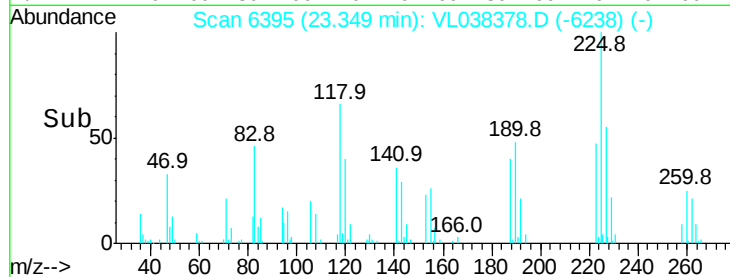
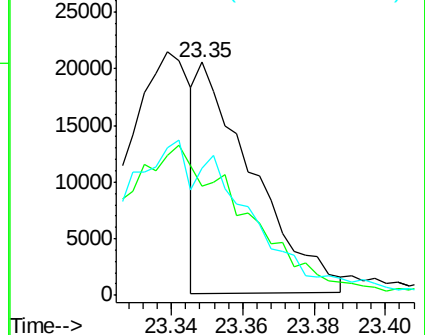
227 0.0 51.6 77.4#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.14 ppbv

RT: 22.16 min Scan# 6024

Delta R.T. 0.00 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

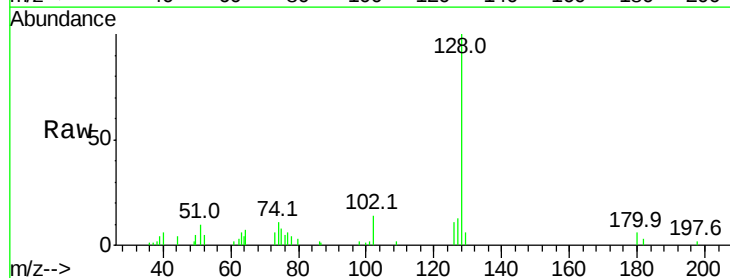
Tgt Ion: 128 Resp: 16041

Ion Ratio Lower Upper

128 100

127 11.6 10.7 16.1

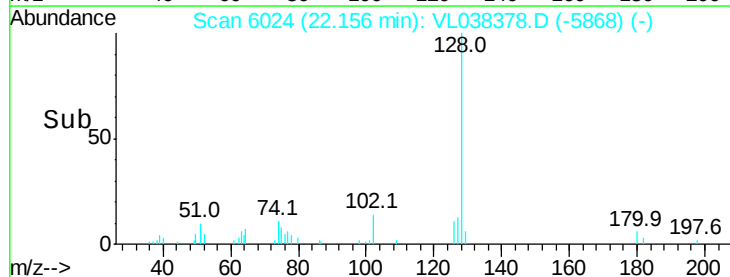
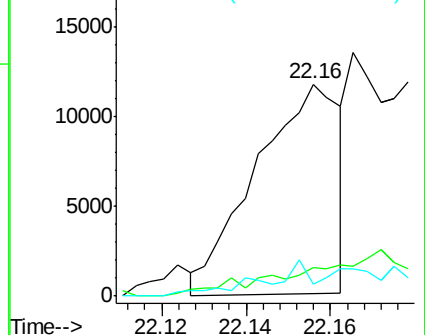
129 3.6 8.8 13.2#

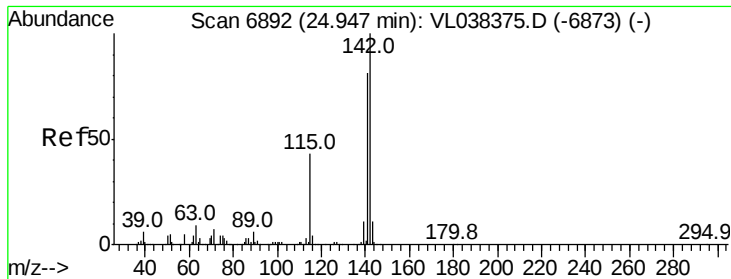


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.23 ppbv

RT: 25.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 8:04

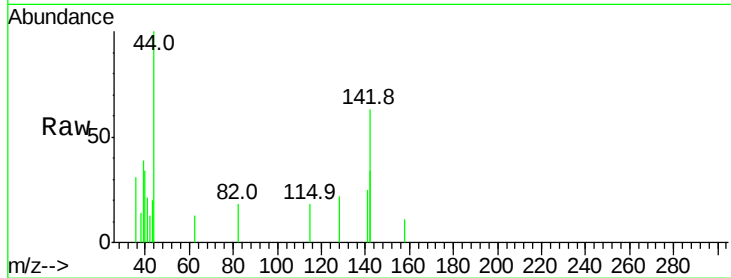
Tgt Ion:142 Resp: 3525

Ion Ratio Lower Upper

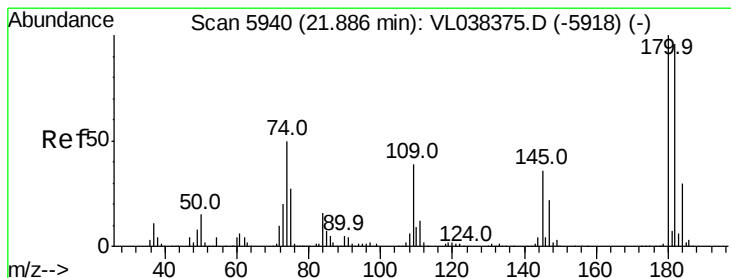
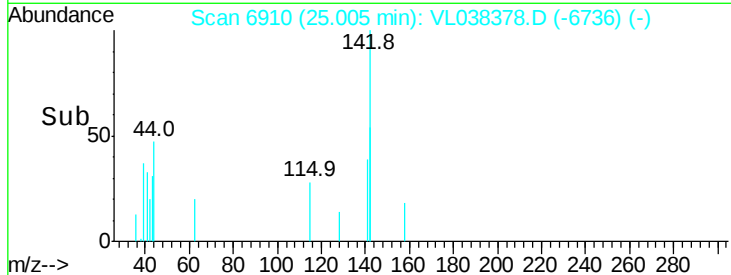
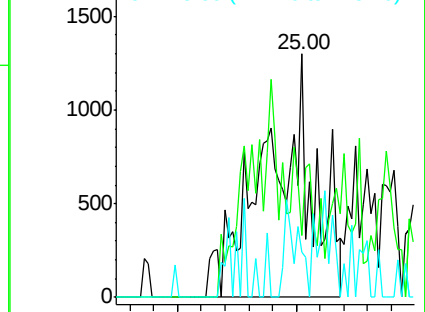
142 100

141 0.0 69.8 104.6#

115 24.5 33.0 49.6#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.26 ppbv

RT: 21.89 min Scan# 5942

Delta R.T. 0.01 min

Lab File: VL038378.D

Acq: 22 Feb 2022 6:04

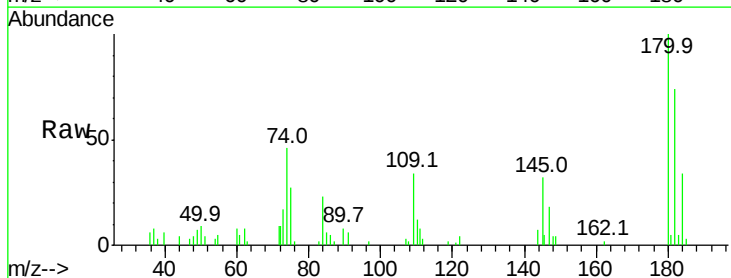
Tgt Ion:180 Resp: 18343

Ion Ratio Lower Upper

180 100

182 170.7 77.4 116.2#

184 51.7 24.9 37.3#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V

