

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030822\
 Data File : VL038556.D
 Acq On : 8 Mar 2022 13:03
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Mar 08 13:55:39 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 13:53:01 2022

QLast Update : Tue Mar 08 13:53:01 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	882443	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2324161	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2049512	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1570018	9.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	85416	0.61	ppbv	99
3) Chlorodifluoromethane	2.98	51	85748	0.55	ppbv	98
4) Chloromethane	3.14	50	31746	0.59	ppbv	93
5) Vinyl Chloride	3.26	62	27740	0.49	ppbv	99
6) Bromomethane	3.47	94	14299	0.48	ppbv	86
7) Chloroethane	3.56	64	8173	0.45	ppbv #	87
8) Dichlorotetrafluoroethane	3.18	85	72283	0.56	ppbv	100
9) Propene	3.01	41	28291	0.55	ppbv	90
10) Heptane	8.11	43	60991	0.49	ppbv	91
11) Trichlorofluoromethane	3.95	101	64313	0.48	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	45442	0.46	ppbv	95
14) Bromoethene	3.73	108	18304	0.47	ppbv	83
15) Acetone	3.86	43	28885	0.38	ppbv #	85
16) 1,3-Butadiene	3.33	39	25108	0.50	ppbv	97
17) tert-Butyl alcohol	4.30	59	31907	0.43	ppbv #	92
18) 1,1-Dichloroethene	4.28	96	20029	0.47	ppbv	94
19) Isopropyl Alcohol	3.99	45	7090	0.16	ppbv #	51
20) Methylene Chloride	4.34	84	18325	0.49	ppbv	95
21) Allyl Chloride	4.41	41	28421	0.45	ppbv #	85
22) trans-1,2-Dichloroethene	4.87	96	22487	0.52	ppbv #	87
23) Vinyl Acetate	5.07	43	44382	0.45	ppbv	97
24) 1,1-Dichloroethane	5.00	63	40413	0.45	ppbv	99
25) Ethyl Acetate	5.68	43	103391	0.51	ppbv	97
26) Hexane	5.68	57	48889	0.54	ppbv	88
27) Carbon Disulfide	4.54	76	45113	0.44	ppbv #	87
28) Methyl tert-Butyl Ether	5.04	73	39660	0.43	ppbv	96
29) Chloroform	5.74	83	82606	0.55	ppbv	96
30) Cyclohexane	7.12	84	44298	0.59	ppbv #	84
31) cis-1,2-Dichloroethene	5.54	61	44002	0.50	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	76180	0.51	ppbv	97
34) 2-Butanone	5.25	43	28630	0.39	ppbv	92
35) Carbon Tetrachloride	7.01	117	76532	0.47	ppbv	99
36) Benzene	6.88	78	105705	0.52	ppbv	98
37) 1,2-Dichloroethane	6.29	62	49039	0.41	ppbv	98
38) Trichloroethene	7.83	130	38391	0.52	ppbv	90
39) 1,2-Dichloropropane	7.60	63	40041	0.49	ppbv	92
40) 1,4-Dioxane	7.85	88	2609	0.13	ppbv #	1
41) Tetrahydrofuran	6.06	42	7893	0.16	ppbv #	37
42) Bromodichloromethane	7.78	83	77270	0.45	ppbv	98
43) Methyl Methacrylate	8.01	69	16856	0.24	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	182541	0.52	ppbv	99

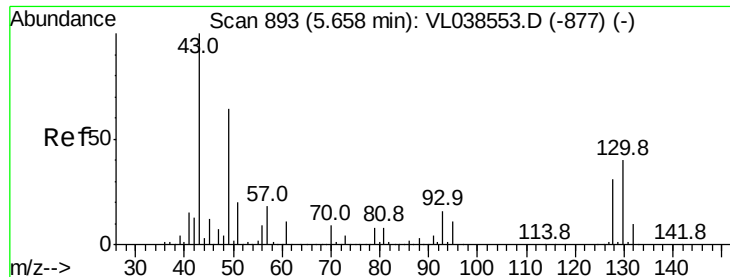
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030822\
 Data File : VL038556.D
 Acq On : 8 Mar 2022 13:03
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Mar 08 13:55:39 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 13:53:01 2022
 QLast Update : Tue Mar 08 13:53:01 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.69	75	26570	0.36	ppbv	94
47) 1,1,2-Trichloroethane	9.46	97	40258	0.50	ppbv	97
48) Dibromochloromethane	10.29	129	60489	0.46	ppbv	97
49) Bromoform	13.02	173	22743	0.23	ppbv #	30
50) 4-Methyl-2-Pentanone	8.75	43	26455	0.20	ppbv #	38
51) 2-Hexanone	10.14	43	6157	0.11	ppbv #	28
52) Tetrachloroethene	11.21	164	37659	0.55	ppbv	89
53) Toluene	9.79	91	103900	0.47	ppbv	98
54) 1,2-Dibromoethane	10.59	107	50098	0.44	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	44899	0.53	ppbv #	1
57) Chlorobenzene	12.13	112	87243	0.55	ppbv	97
58) Ethyl Benzene	12.70	91	126550	0.45	ppbv	99
59) m/p-Xylene	12.98	91	141546	0.59	ppbv #	59
60) o-Xylene	13.67	91	49763	0.22	ppbv #	20
61) Styrene	13.51	104	44660	0.43	ppbv	96
62) Isopropylbenzene	14.65	105	152213	0.50	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	86576	0.47	ppbv	94
64) n-propylbenzene	15.55	120	36299	0.48	ppbv	77
65) tert-Butylbenzene	16.73	119	135185	0.51	ppbv	96
66) Benzyl Chloride	16.97	91	2628	0.18	ppbv #	94
67) sec-Butylbenzene	17.28	105	189660	0.51	ppbv	99
69) p-Isopropyltoluene	17.64	119	148663	0.51	ppbv	97
70) n-Butylbenzene	18.54	91	158956	0.52	ppbv	97
71) 2-Chlorotoluene	15.44	91	108032	0.46	ppbv	98
72) 4-Ethyltoluene	15.82	105	116477	0.46	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	104301	0.46	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	122383	0.51	ppbv #	88
75) 1,3-Dichlorobenzene	16.98	146	36047	0.27	ppbv #	24
76) 1,4-Dichlorobenzene	17.12	146	38068	0.29	ppbv #	23
77) 1,2-Dichlorobenzene	17.80	146	37147	0.29	ppbv #	19
78) Hexachloro-1,3-Butadiene	23.36	225	85258	0.86	ppbv	98
79) Naphthalene	22.18	128	36291	0.28	ppbv	95
80) Naphthalene,2-methyl-	24.97	142	5246	0.21	ppbv #	82
81) 1,2,4-Trichlorobenzene	21.91	180	30865	0.39	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 13:03 VSTDIC0.5

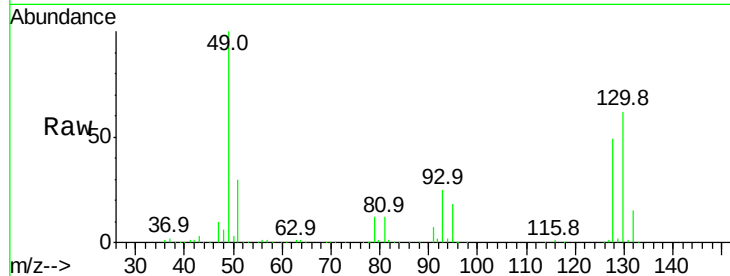
Tgt Ion: 49 Resp: 882443

Ion Ratio Lower Upper

49 100

128 54.1 26.4 79.2

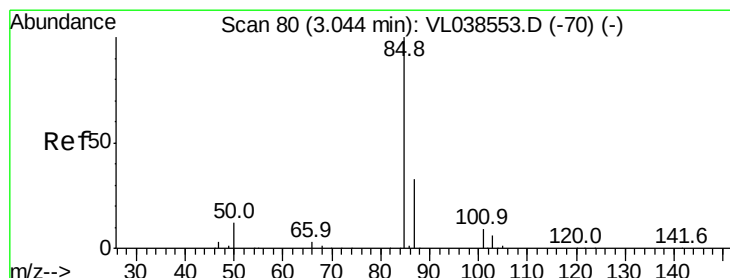
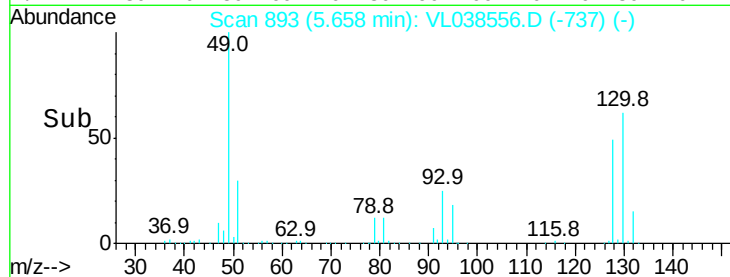
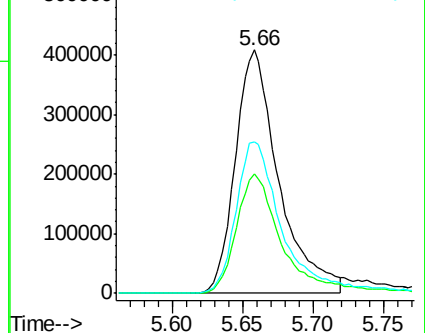
130 68.7 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.61 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL038556.D

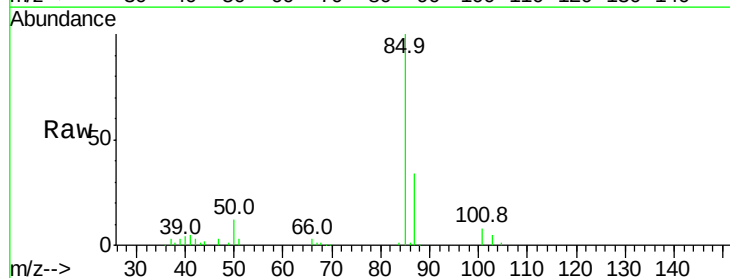
Acq: 8 Mar 2022 13:03

Tgt Ion: 85 Resp: 85416

Ion Ratio Lower Upper

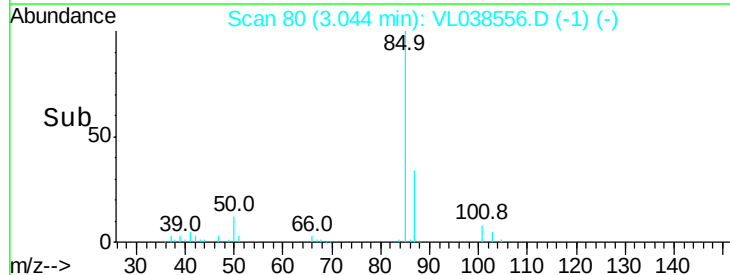
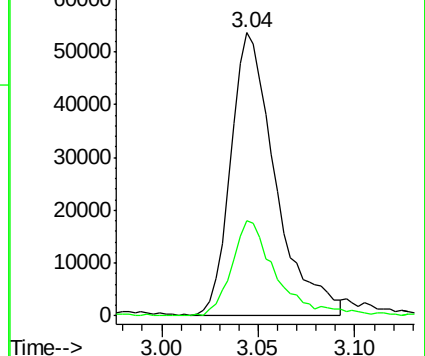
85 100

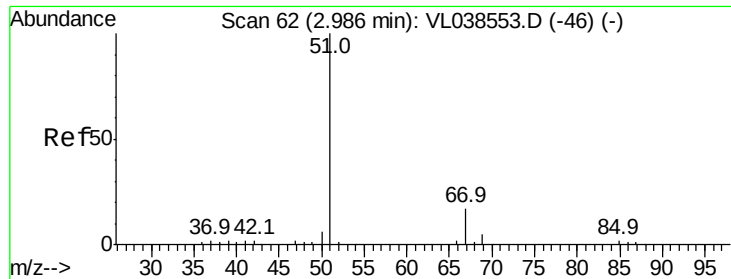
87 33.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

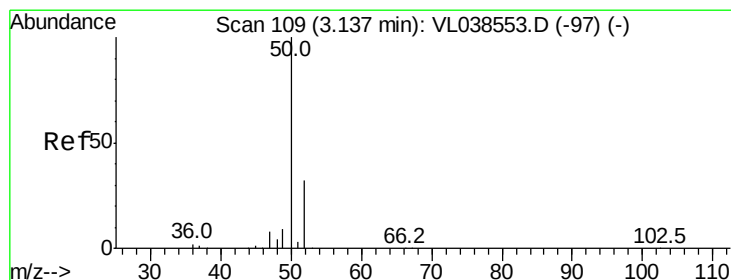
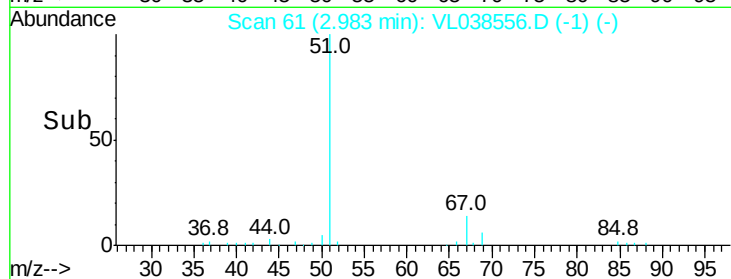
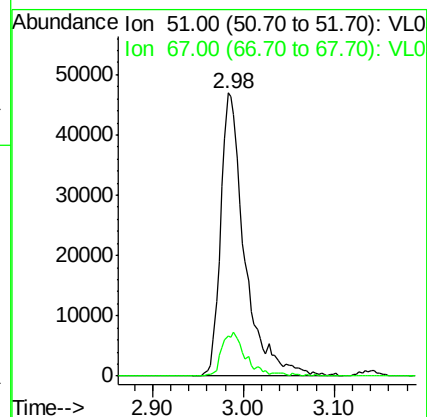
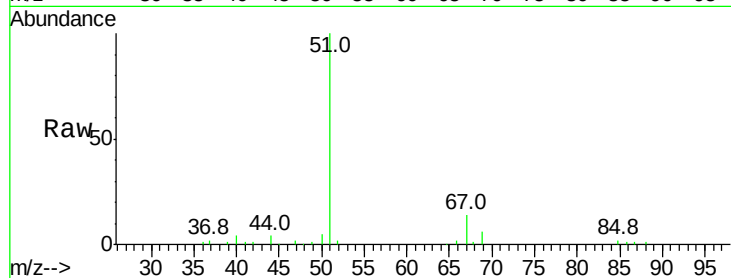
Ion 87.00 (86.70 to 87.70): VL0





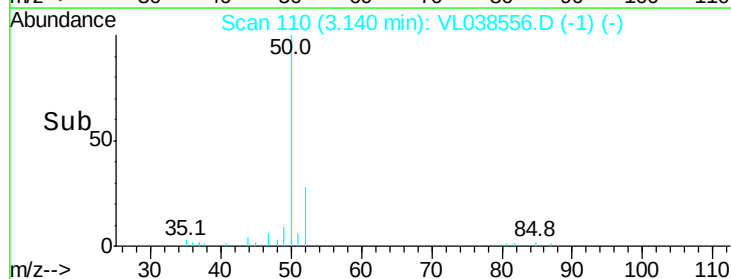
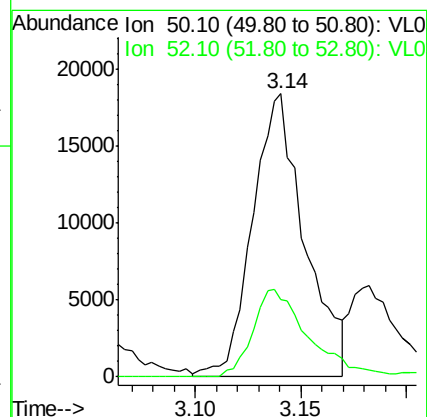
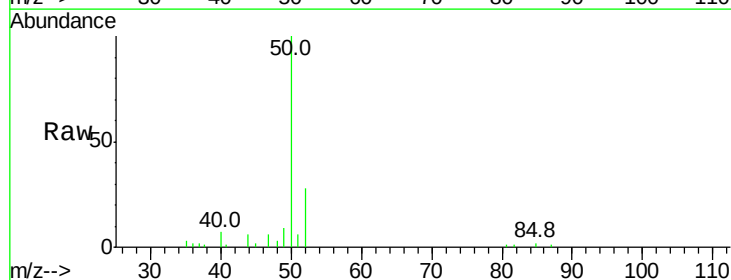
#3
 Chlorodifluoromethane
 Concen: 0.55 ppbv
 RT: 2.98
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 8 Mar 2022 13:03

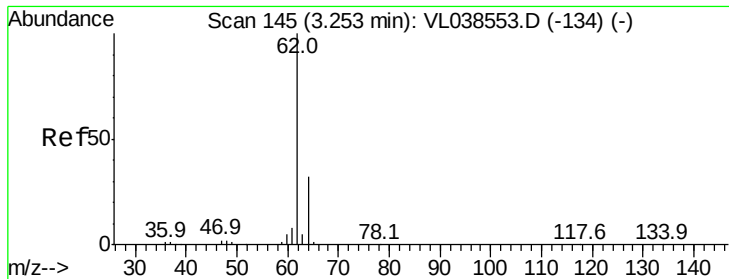
Tgt Ion: 51 Resp: 85748
 Ion Ratio Lower Upper
 51 100
 67 16.0 13.6 20.4



#4
 Chloromethane
 Concen: 0.59 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.00 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

Tgt Ion: 50 Resp: 31746
 Ion Ratio Lower Upper
 50 100
 52 27.8 25.6 38.4





#5

Vinyl Chloride

Concen: 0.49 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC0.5

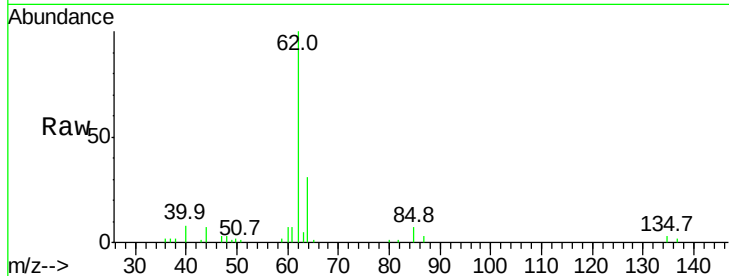
Acq: 8 Mar 2022 13:03

Tgt Ion: 62 Resp: 27740

Ion Ratio Lower Upper

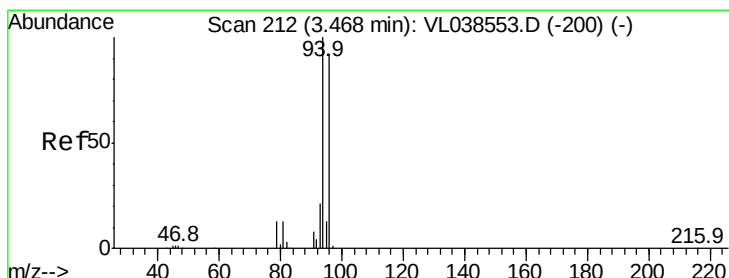
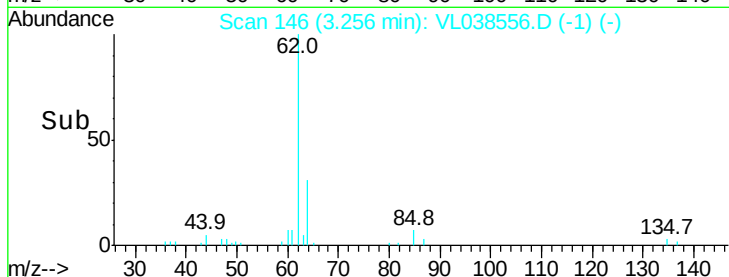
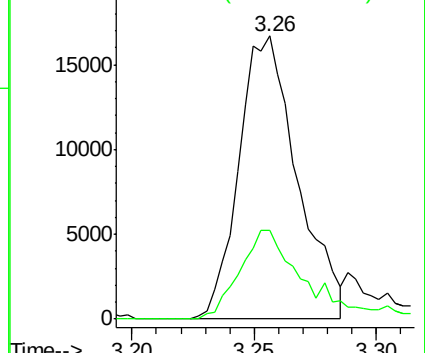
62 100

64 31.5 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.48 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL038556.D

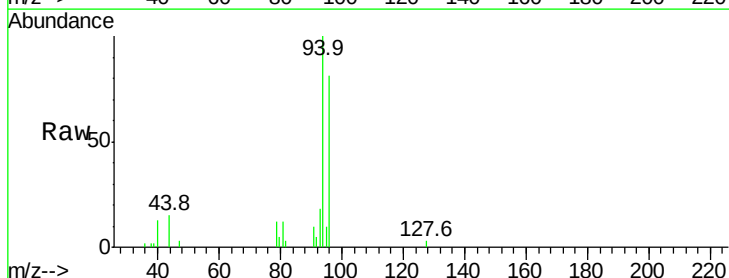
Acq: 8 Mar 2022 13:03

Tgt Ion: 94 Resp: 14299

Ion Ratio Lower Upper

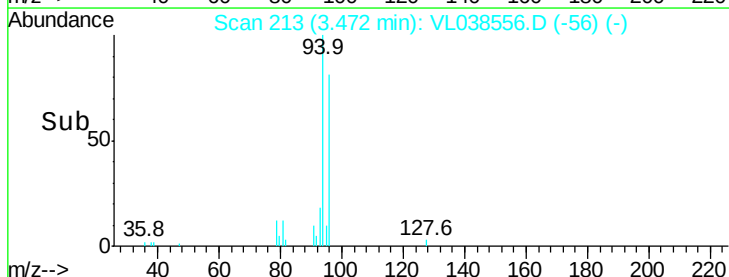
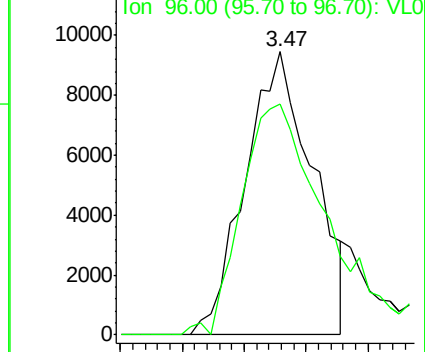
94 100

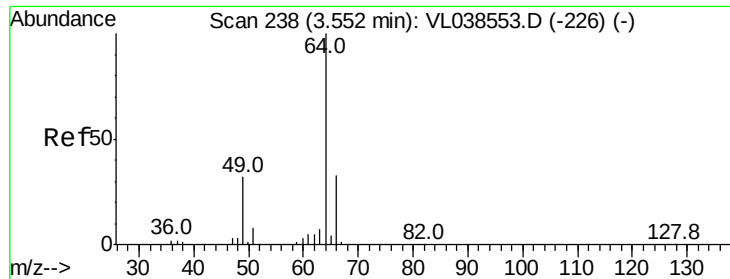
96 78.4 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.45 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

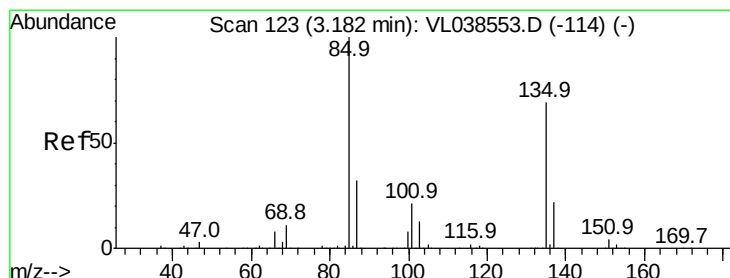
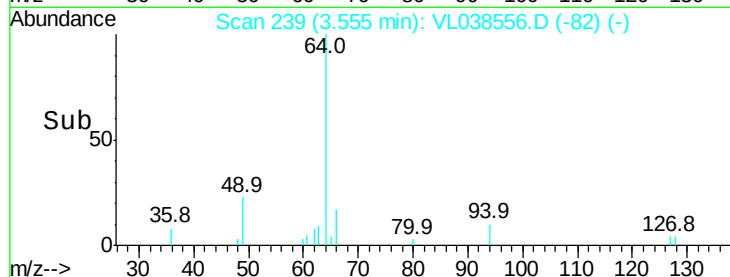
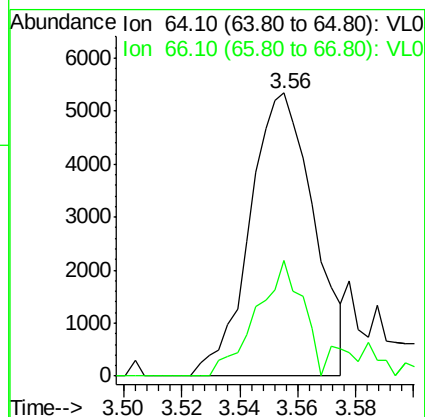
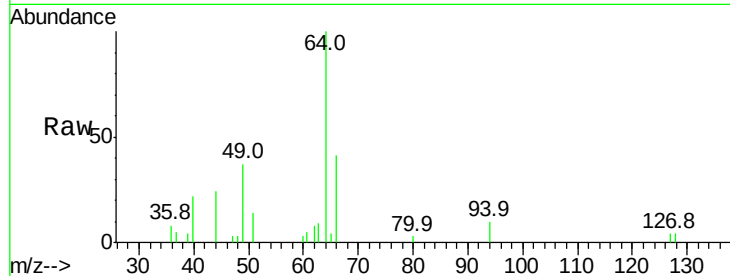
Acq: 8 Mar 2022 13:03

Tgt Ion: 64 Resp: 8173

Ion Ratio Lower Upper

64 100

66 40.8 26.6 39.8#



#8

Dichlorotetrafluoroethane

Concen: 0.56 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL038556.D

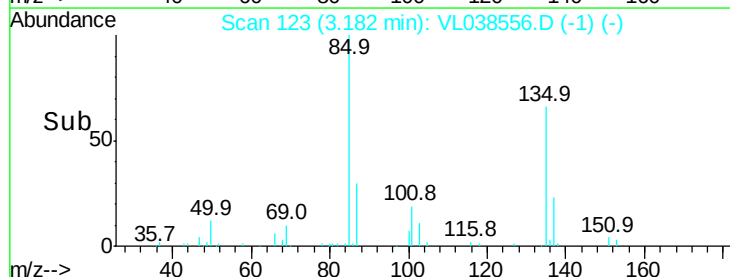
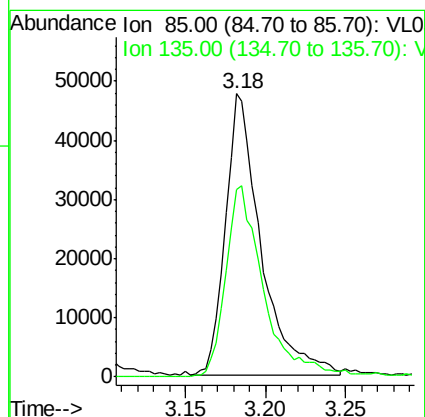
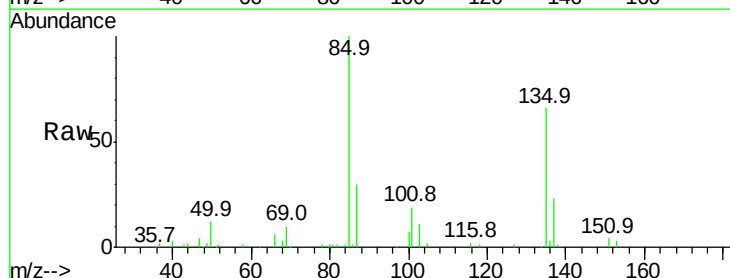
Acq: 8 Mar 2022 13:03

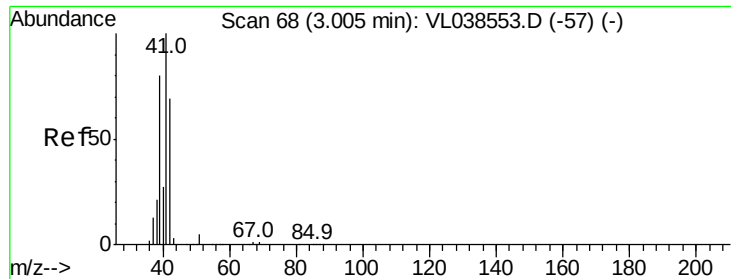
Tgt Ion: 85 Resp: 72283

Ion Ratio Lower Upper

85 100

135 73.6 59.0 88.4





#9

Propene

Concen: 0.55 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.5

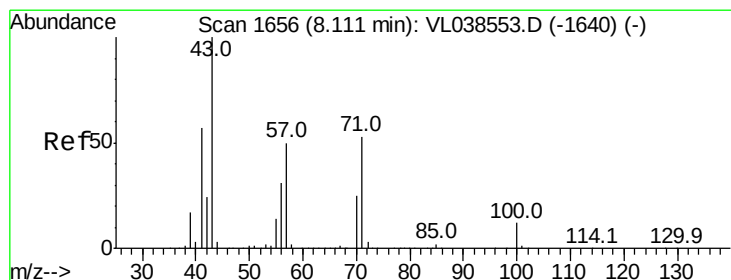
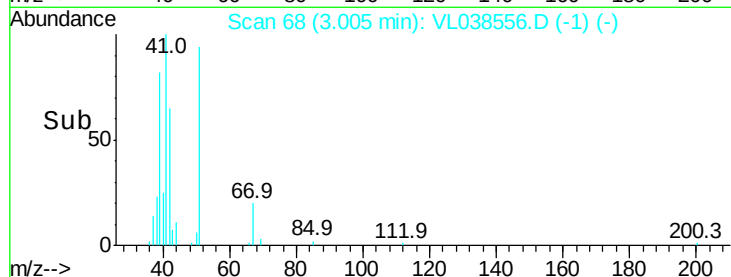
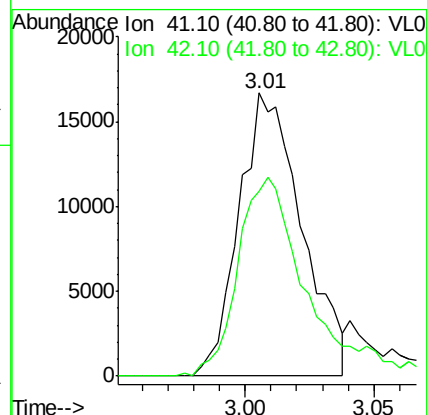
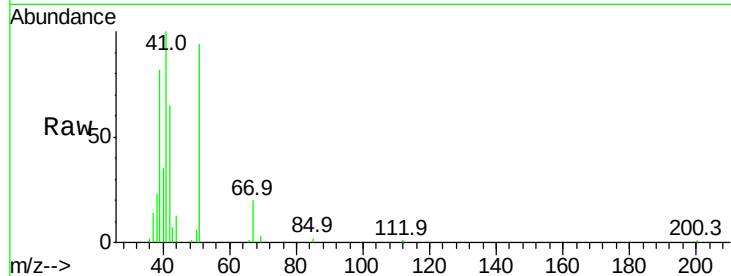
Acq: 8 Mar 2022 13:03

Tgt Ion: 41 Resp: 28291

Ion Ratio Lower Upper

41 100

42 77.5 55.7 83.5



#10

Heptane

Concen: 0.49 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VL038556.D

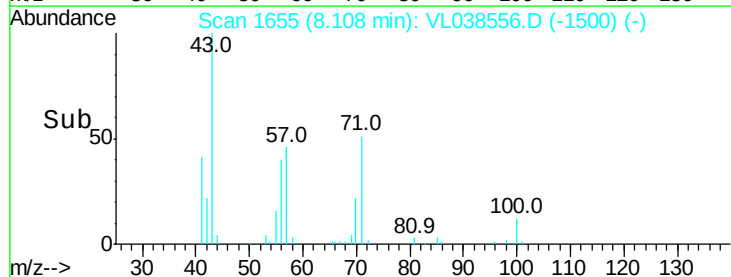
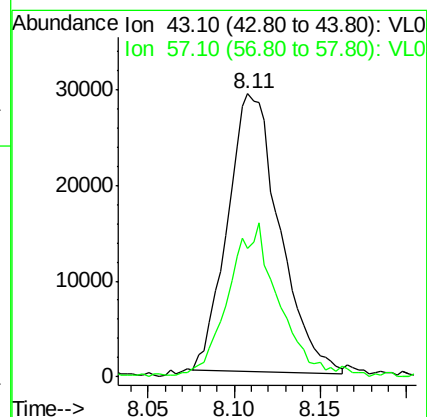
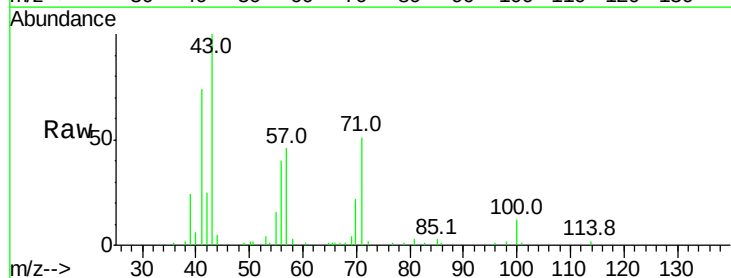
Acq: 8 Mar 2022 13:03

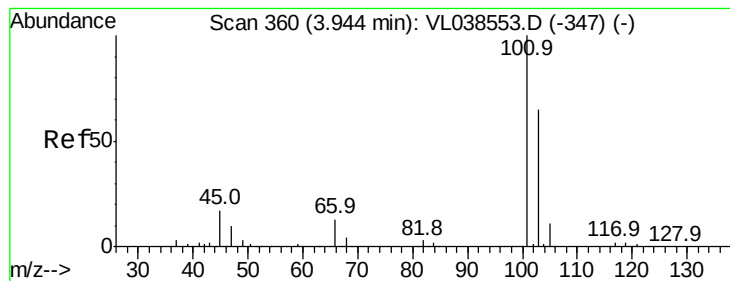
Tgt Ion: 43 Resp: 60991

Ion Ratio Lower Upper

43 100

57 55.7 39.6 59.4





#11

Trichlorofluoromethane

Concen: 0.48 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

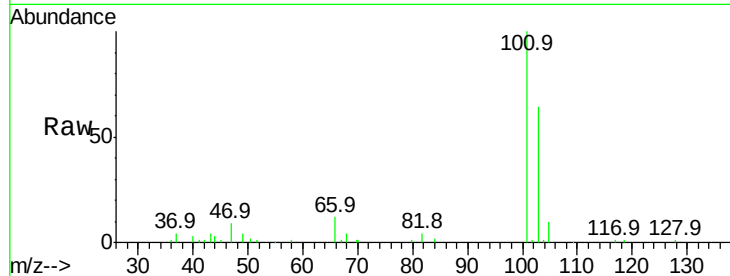
Acq: 8 Mar 2022 13:03 VSTDIC0.5

Tgt Ion:101 Resp: 64313

Ion Ratio Lower Upper

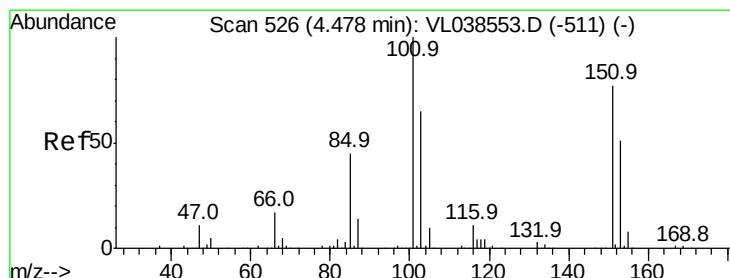
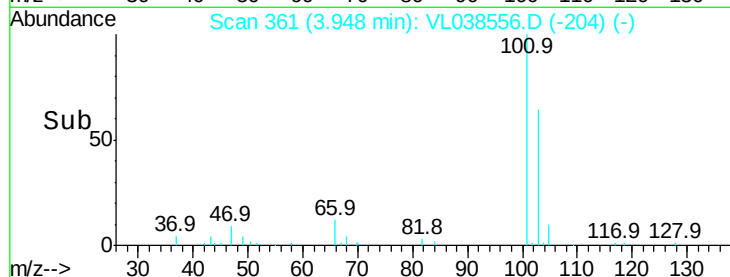
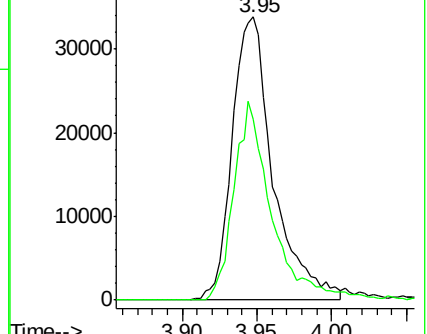
101 100

103 63.8 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.46 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL038556.D

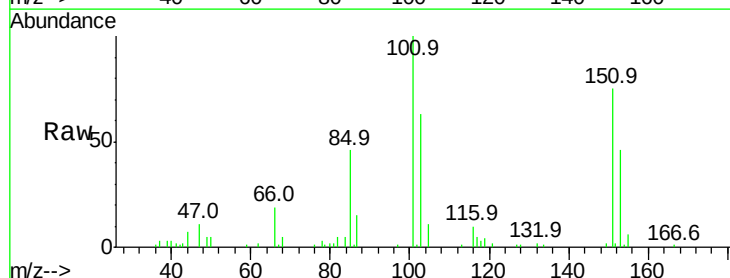
Acq: 8 Mar 2022 13:03

Tgt Ion:101 Resp: 45442

Ion Ratio Lower Upper

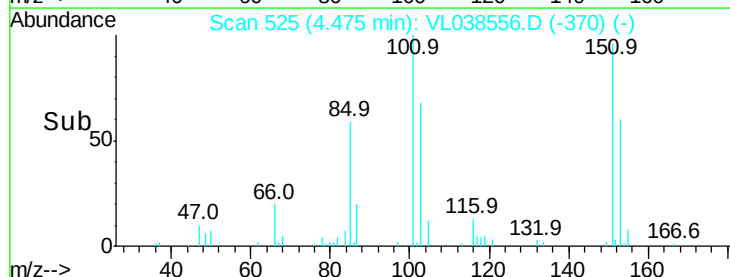
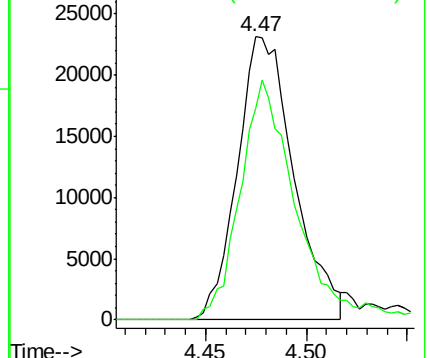
101 100

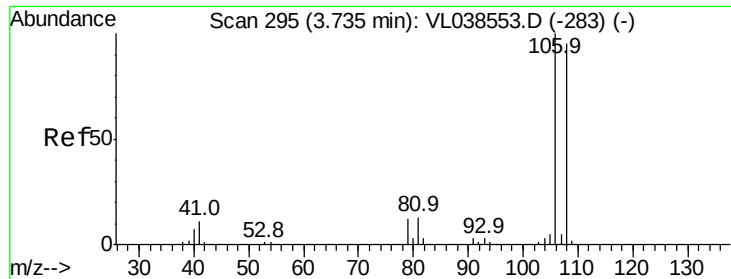
151 83.9 63.4 95.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#14

Bromoethene

Concen: 0.47 ppbv

RT: 3.73 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 8 Mar 2022 13:03 VSTDIC0.5

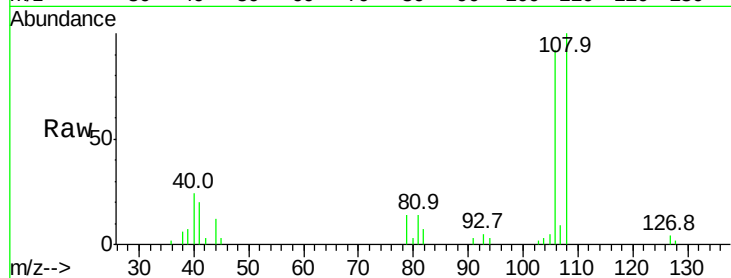
Tgt Ion: 108 Resp: 18304

Ion Ratio Lower Upper

108 100

106 126.0 85.9 128.9

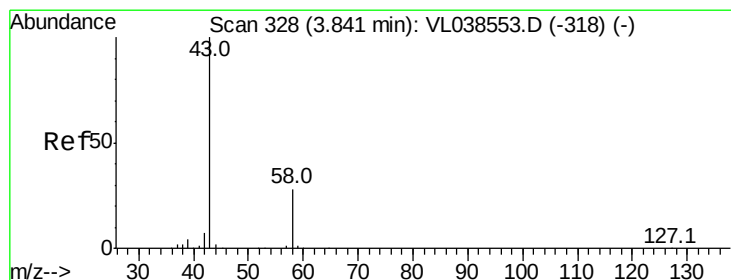
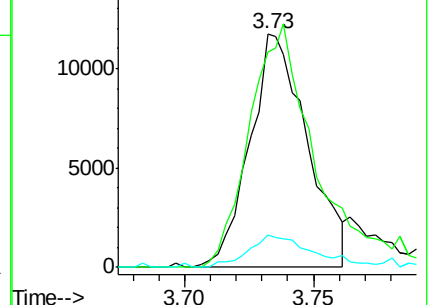
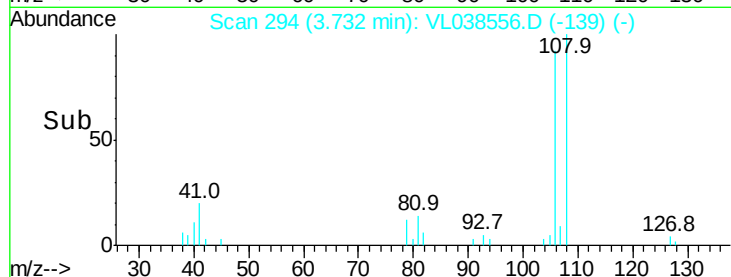
79 16.5 11.0 16.6



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0



#15

Acetone

Concen: 0.38 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.02 min

Lab File: VL038556.D

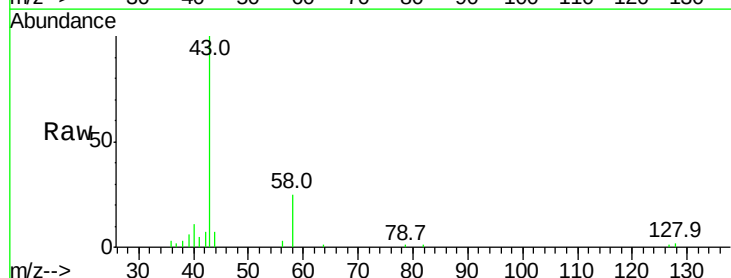
Acq: 8 Mar 2022 13:03

Tgt Ion: 43 Resp: 28885

Ion Ratio Lower Upper

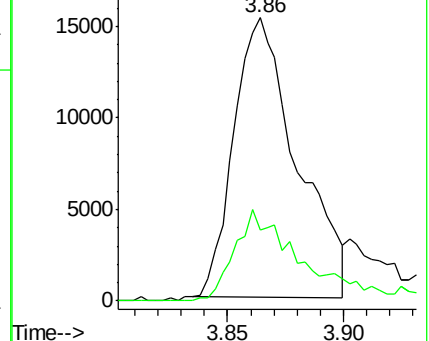
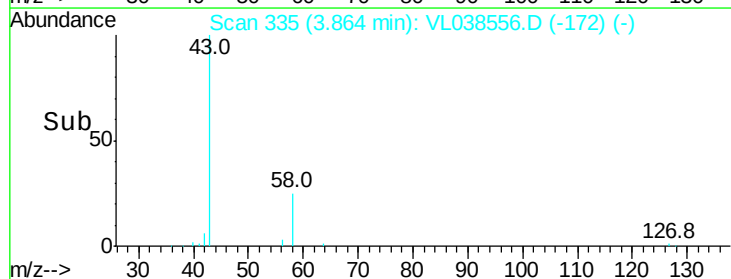
43 100

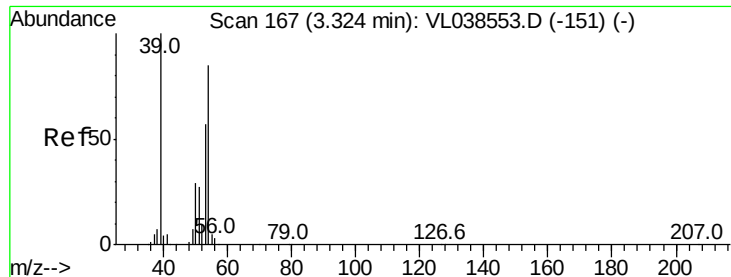
58 36.5 22.7 34.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

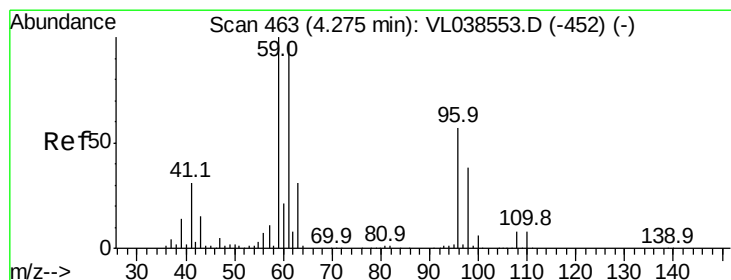
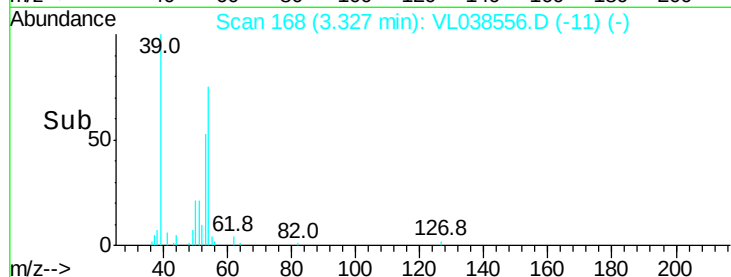
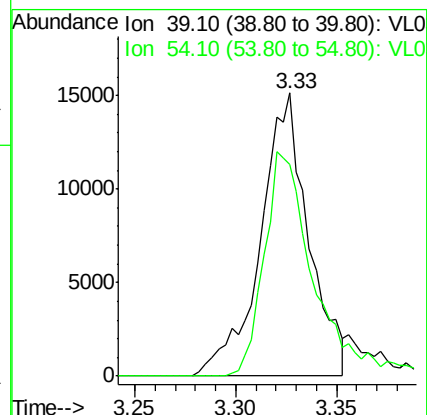
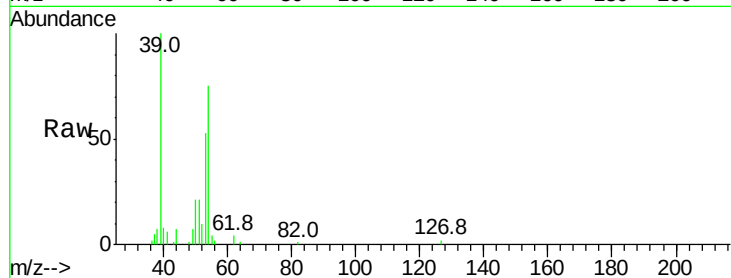
Ion 58.10 (57.80 to 58.80): VL0





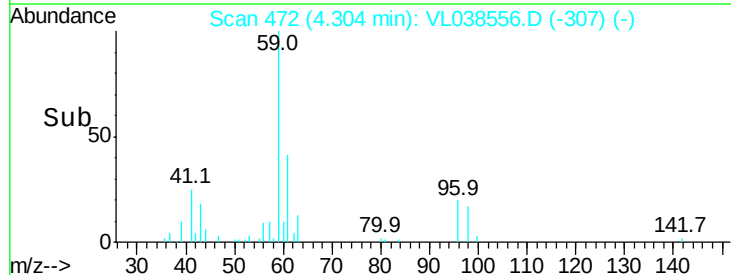
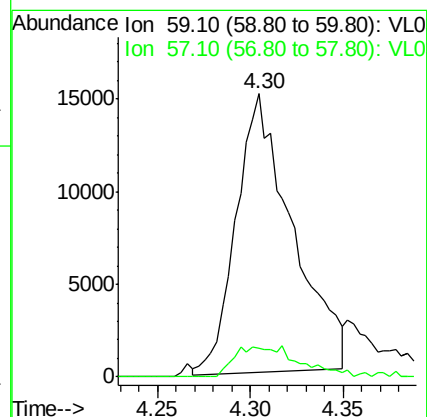
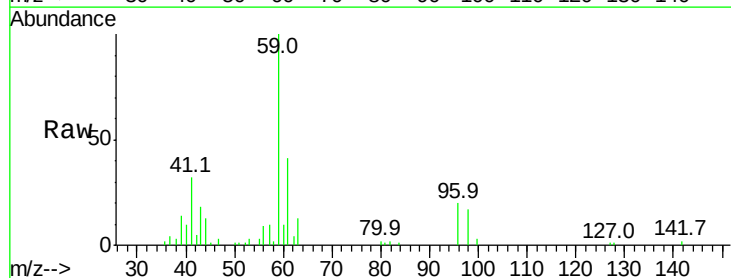
#16
 1,3-Butadiene
 Concen: 0.50 ppbv
 RT: 3.33
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 13:03

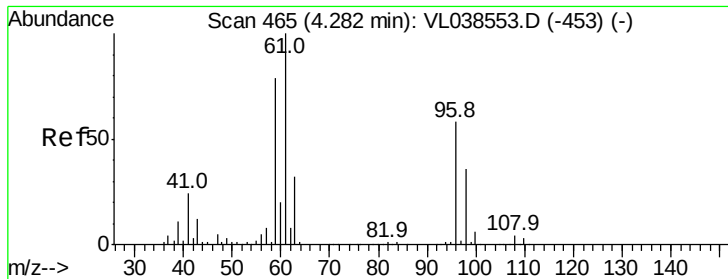
Tgt Ion: 39 Resp: 25108
 Ion Ratio Lower Upper
 39 100
 54 83.1 64.2 96.2



#17
 tert-Butyl alcohol
 Concen: 0.43 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

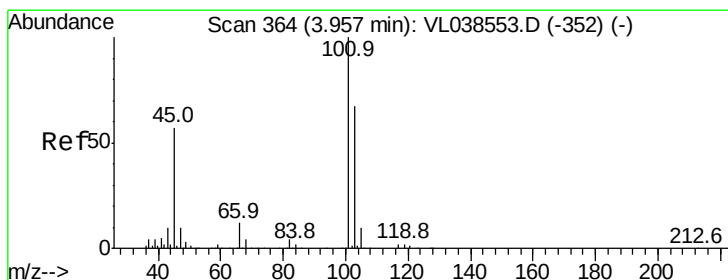
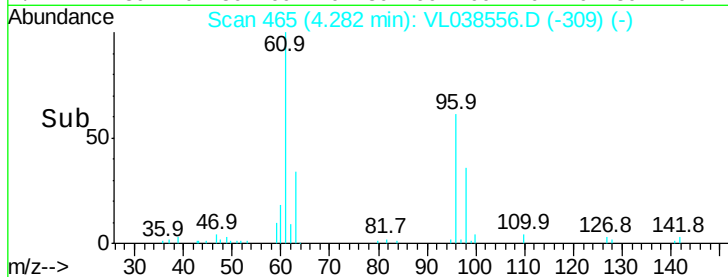
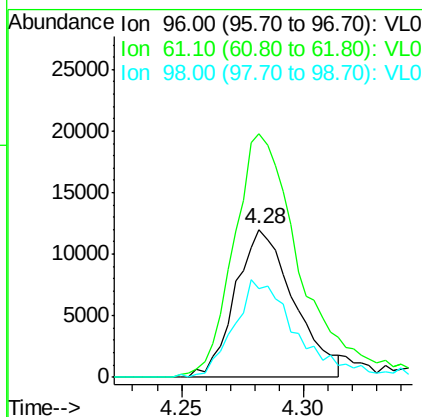
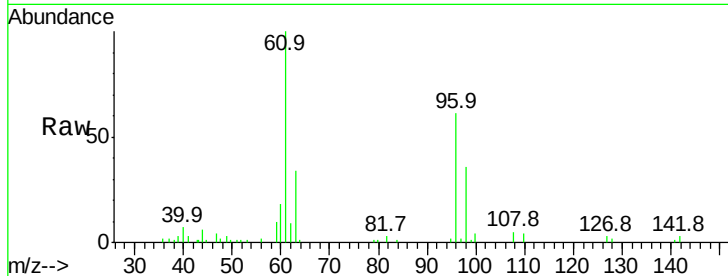
Tgt Ion: 59 Resp: 31907
 Ion Ratio Lower Upper
 59 100
 57 13.1 8.1 12.1#





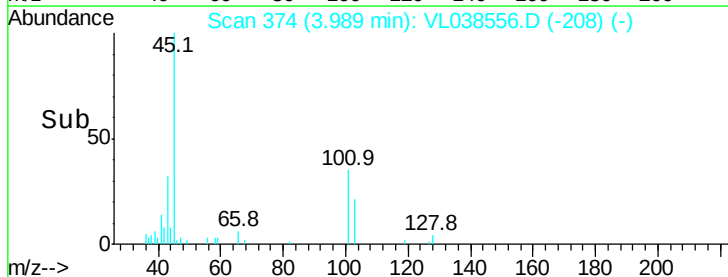
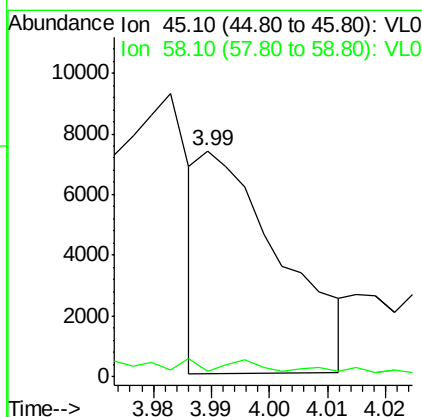
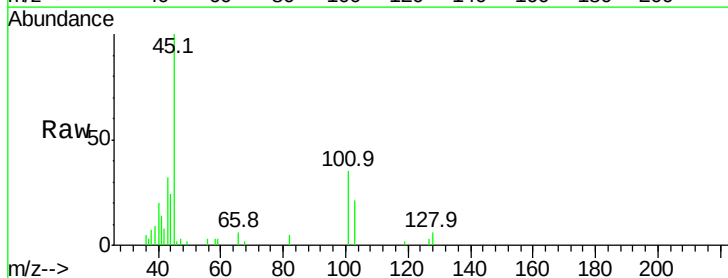
#18
 1,1-Dichloroethene
 Concen: 0.47 ppbv
 RT: 4.28
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 8 Mar 2022 13:03

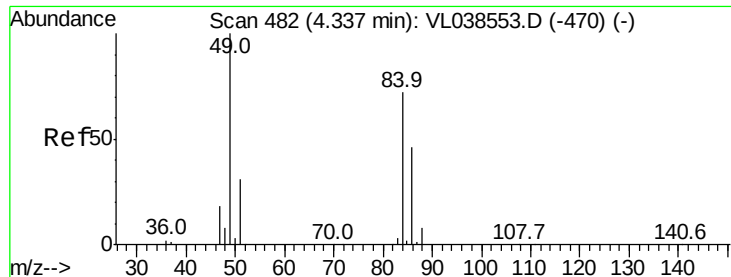
Tgt Ion: 96 Resp: 20029
 Ion Ratio Lower Upper
 96 100
 61 162.3 137.4 206.0
 98 59.8 49.3 73.9



#19
 Isopropyl Alcohol
 Concen: 0.16 ppbv
 RT: 3.99 min Scan# 374
 Delta R.T. 0.03 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

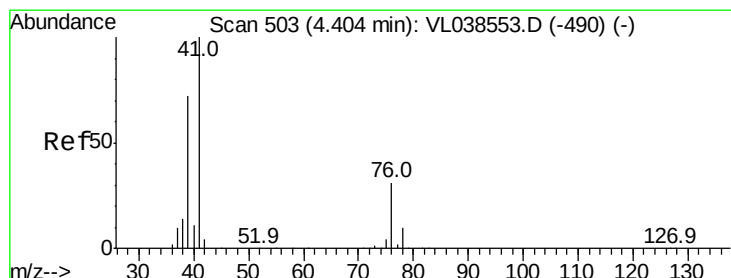
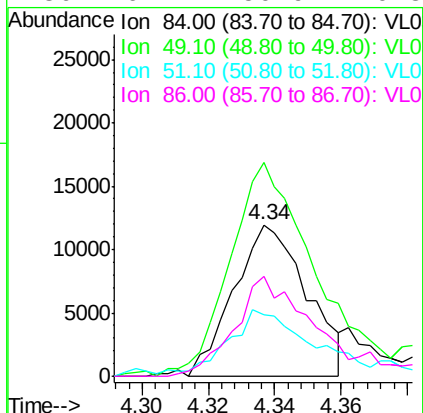
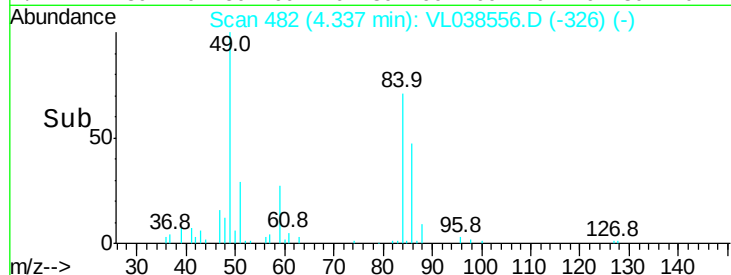
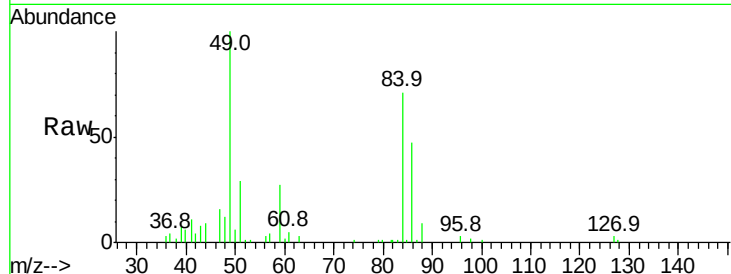
Tgt Ion: 45 Resp: 7090
 Ion Ratio Lower Upper
 45 100
 58 19.1 2.2 3.2#





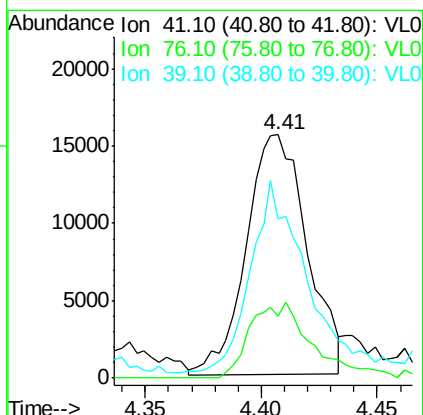
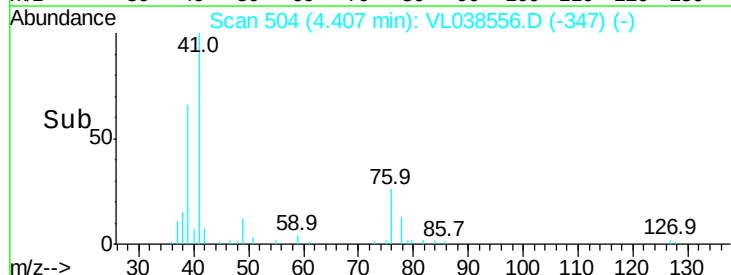
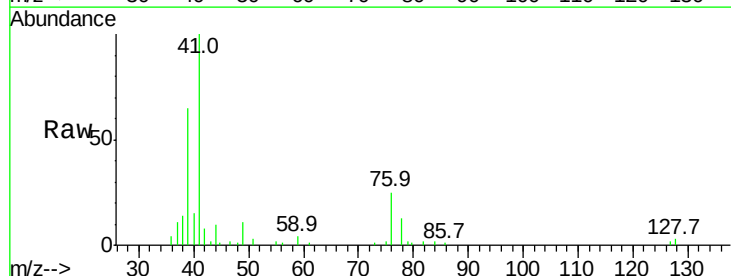
#20
Methylene Chloride
Concen: 0.49 ppbv
RT: 4.34 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Mar 2022 13:03

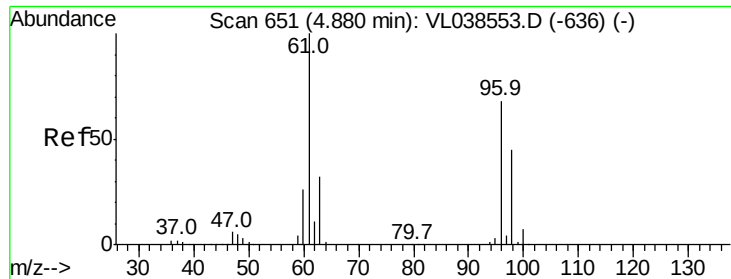
Tgt Ion:	84	Resp:	18325
Ion	Ratio	Lower	Upper
84	100		
49	132.8	111.1	166.7
51	37.1	34.0	51.0
86	62.7	50.9	76.3



#21
Allyl Chloride
Concen: 0.45 ppbv
RT: 4.41 min Scan# 504
Delta R.T.: 0.00 min
Lab File: VL038556.D
Acq: 8 Mar 2022 13:03

Tgt Ion:	41	Resp:	28421
Ion	Ratio	Lower	Upper
41	100		
76	33.5	24.3	36.5
39	86.7	57.1	85.7#





#22

trans-1,2-Dichloroethene

Concen: 0.52 ppbv

RT: 4.87 Instrument: MSVOA_1

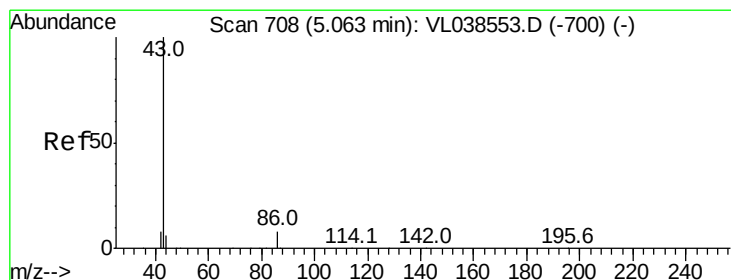
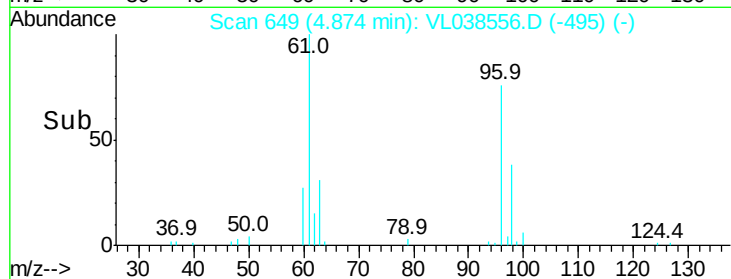
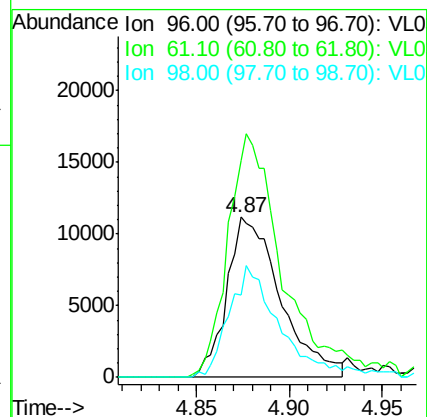
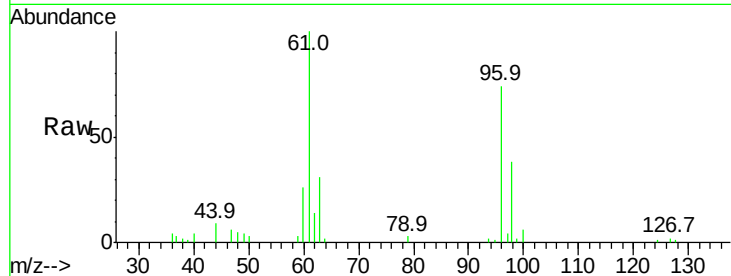
Delta R.T. ClientSampleId:

Lab File: VSTDIC0.5

Acq: 8 Mar 2022 13:03

Tgt Ion: 96 Resp: 22487

Ion	Ratio	Lower	Upper
96	100		
61	133.7	117.6	176.4
98	51.7	52.6	78.8#



#23

Vinyl Acetate

Concen: 0.45 ppbv

RT: 5.07 min Scan# 711

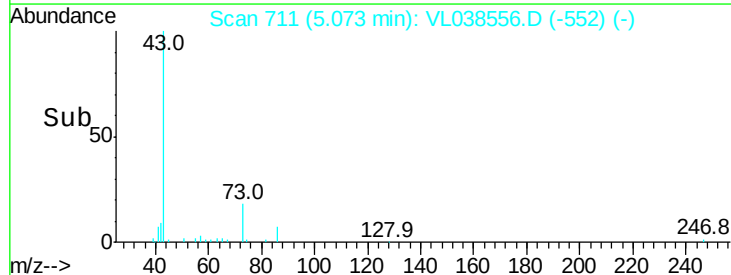
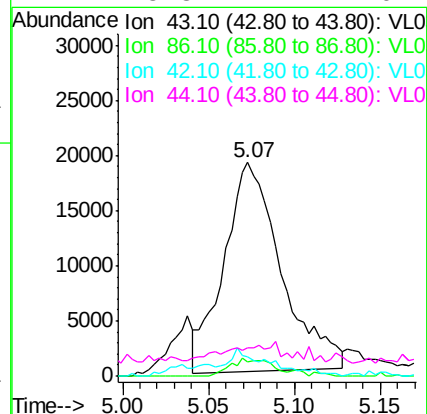
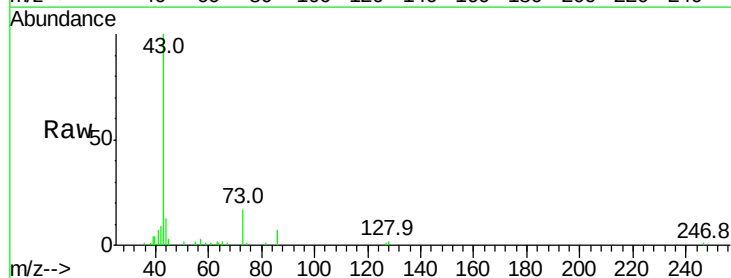
Delta R.T. 0.01 min

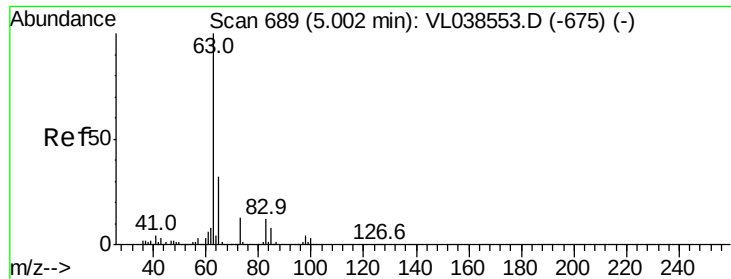
Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

Tgt Ion: 43 Resp: 44382

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.6	8.4
42	10.3	7.1	10.7
44	5.8	4.1	6.1





#24

1,1-Dichloroethane

Concen: 0.45 ppbv

RT: 5.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 8 Mar 2022 13:03 VSTDIC0.5

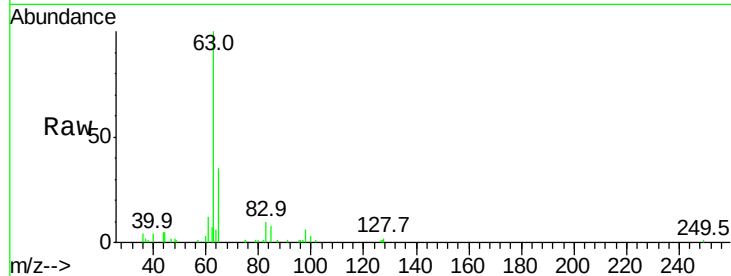
Tgt Ion: 63 Resp: 40413

Ion Ratio Lower Upper

63 100

98 4.6 2.2 6.6

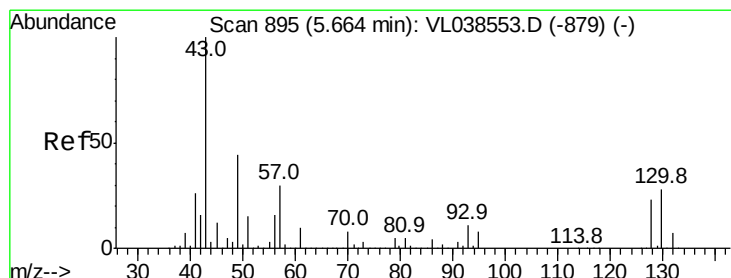
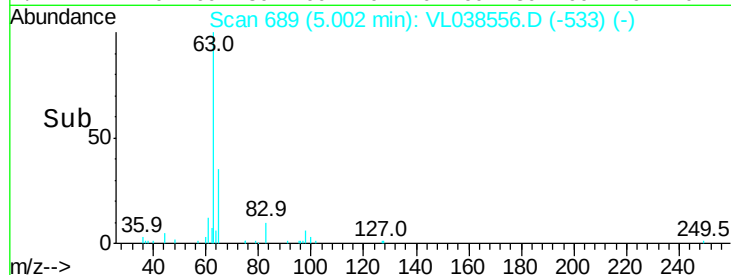
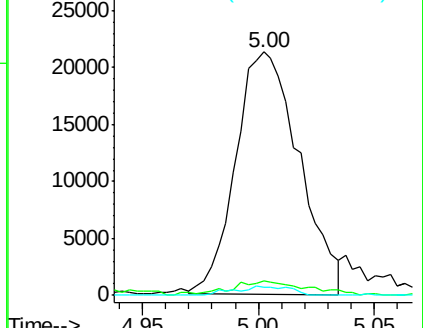
100 3.3 1.5 4.5



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: 0.51 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

Tgt Ion: 43 Resp: 103391

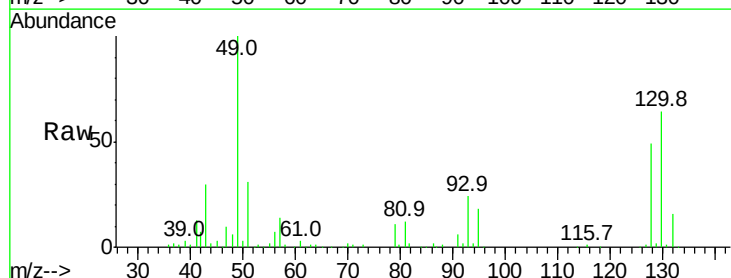
Ion Ratio Lower Upper

43 100

45 11.0 8.0 12.0

61 12.1 8.2 12.4

70 7.3 5.4 8.2

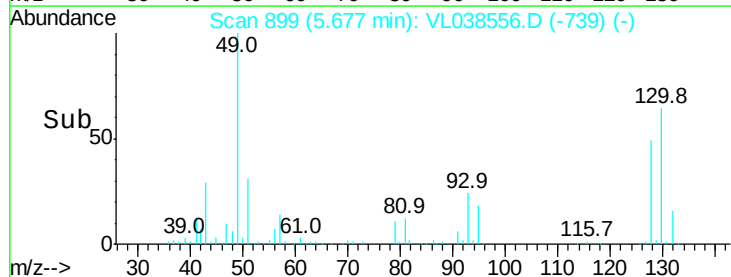
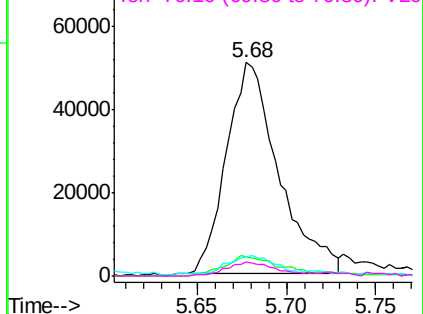


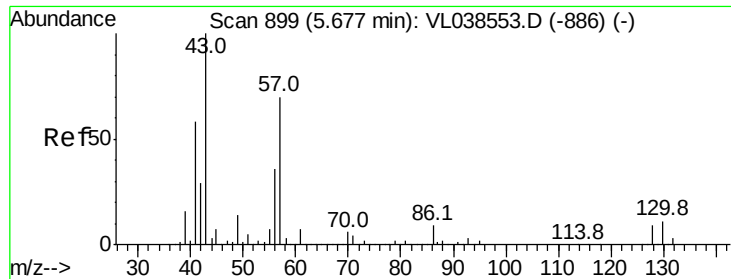
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.54 ppbv

RT: 5.68

Delta R.T.

Lab File:

Acq: 8 Mar 2022 13:03

Instrument:

MSVOA_1

ClientSampleId:

VSTDIC0.5

Tgt Ion: 57 Resp: 48889

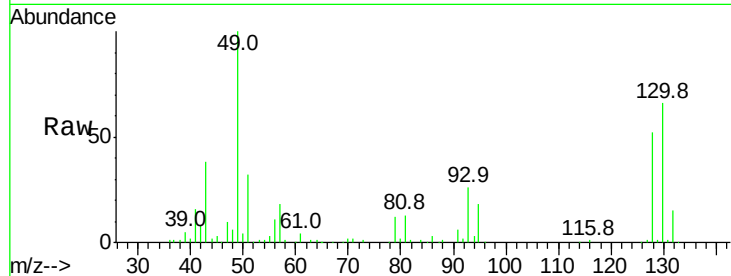
Ion Ratio Lower Upper

57 100

41 96.3 67.8 101.6

43 236.7 173.6 260.4

56 59.8 42.2 63.2



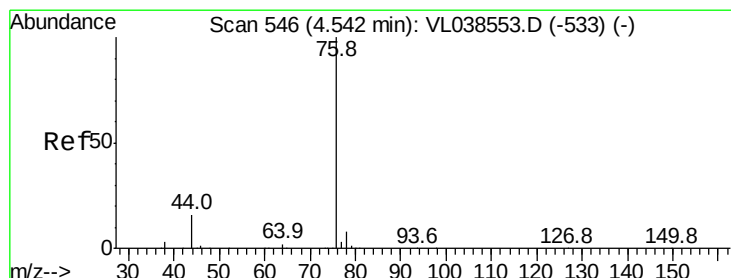
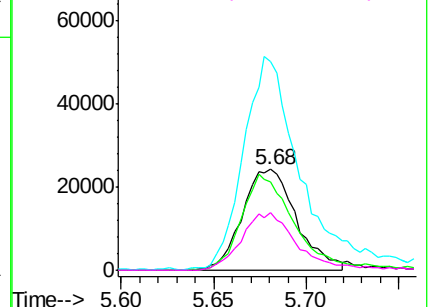
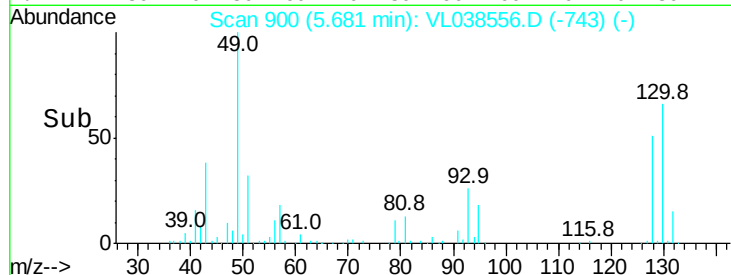
Abundance

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: 0.44 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.00 min

Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

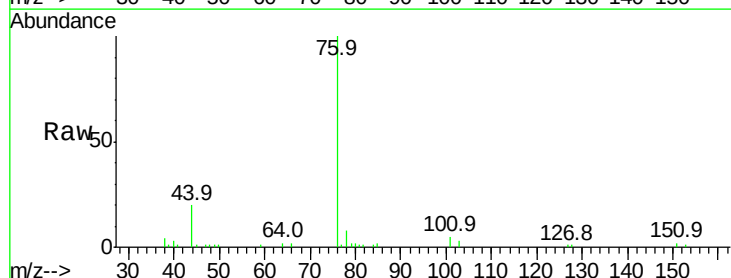
Tgt Ion: 76 Resp: 45113

Ion Ratio Lower Upper

76 100

44 23.8 12.9 19.3#

78 11.8 7.8 11.6#

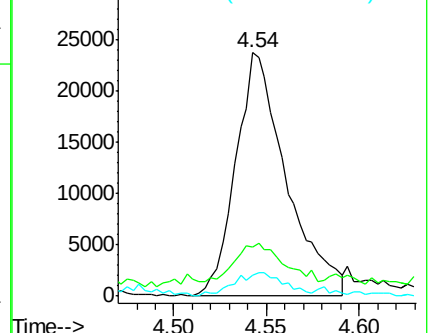
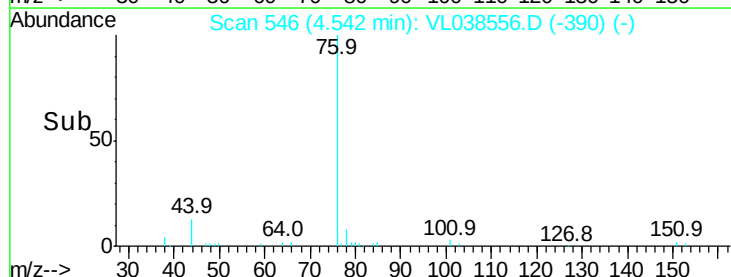


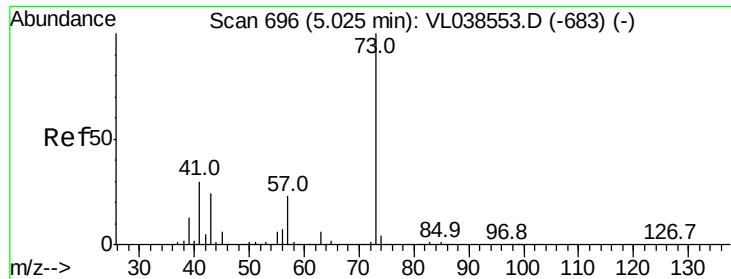
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

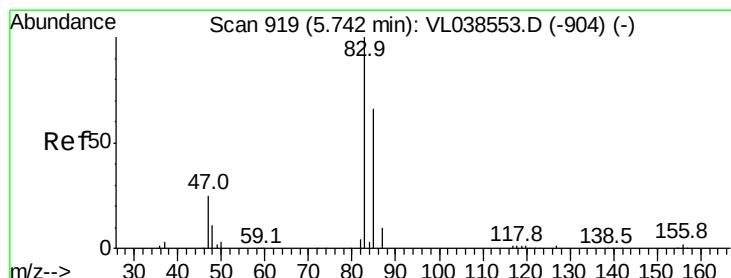
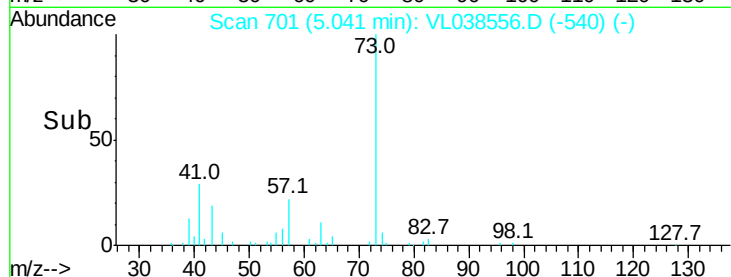
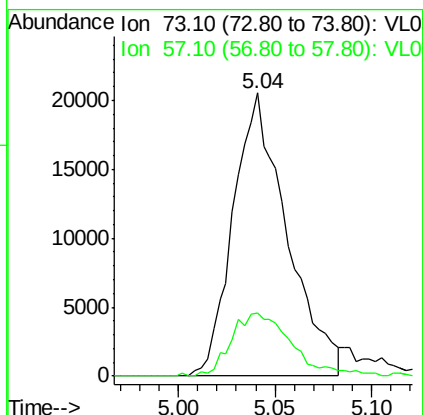
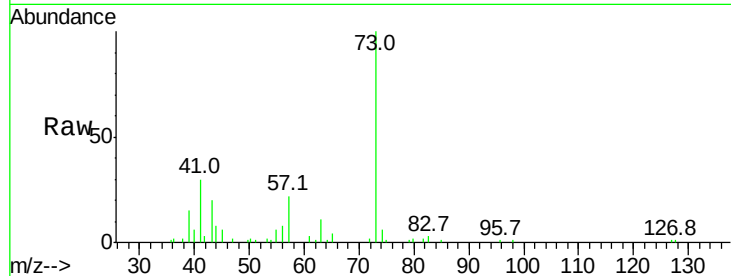
Ion 78.00 (77.70 to 78.70): VL0





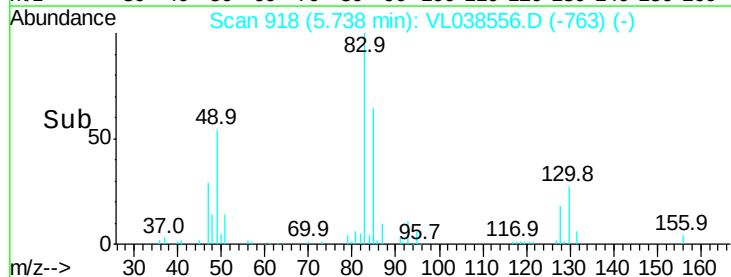
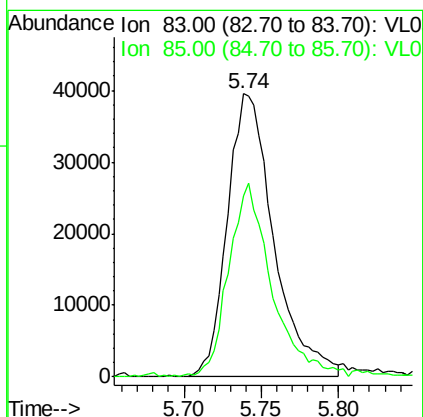
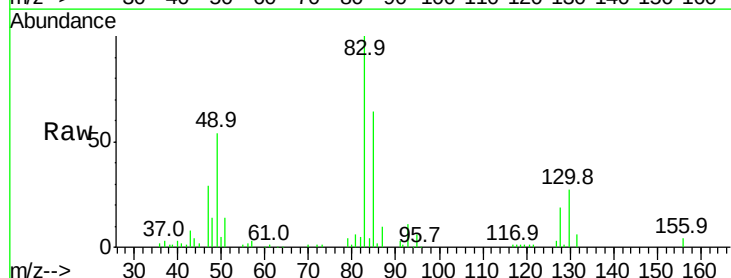
#28
Methyl tert-Butyl Ether
Concen: 0.43 ppbv
RT: 5.04
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 13:03

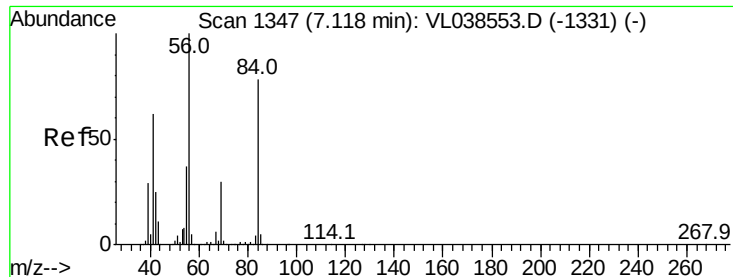
Tgt Ion: 73 Resp: 39660
Ion Ratio Lower Upper
73 100
57 25.3 18.8 28.2



#29
Chloroform
Concen: 0.55 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.00 min
Lab File: VL038556.D
Acq: 8 Mar 2022 13:03

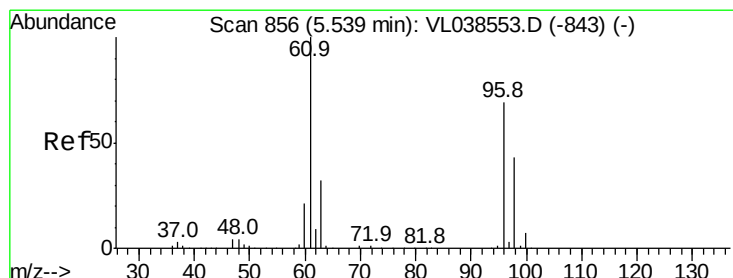
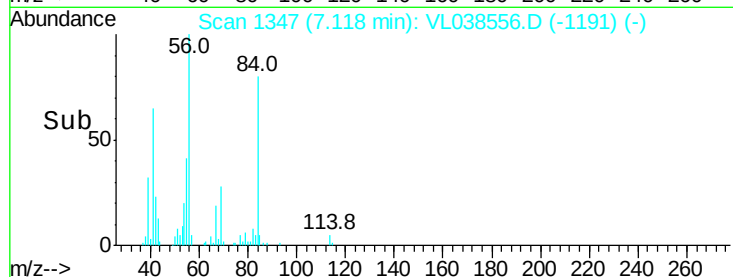
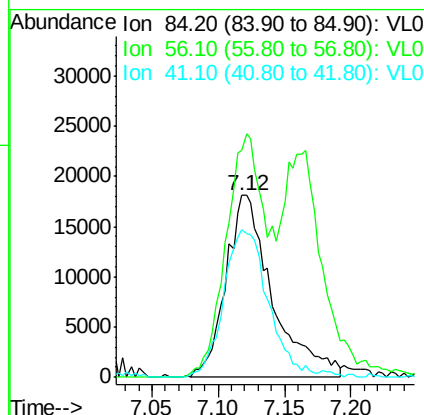
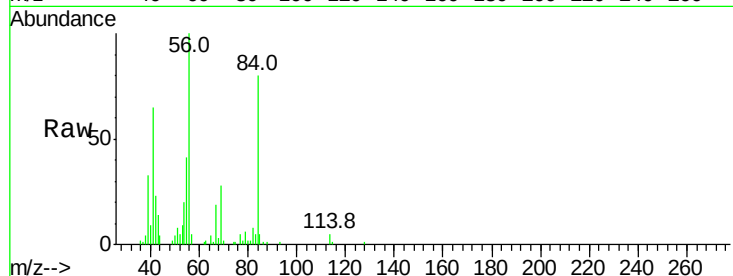
Tgt Ion: 83 Resp: 82606
Ion Ratio Lower Upper
83 100
85 62.9 52.8 79.2





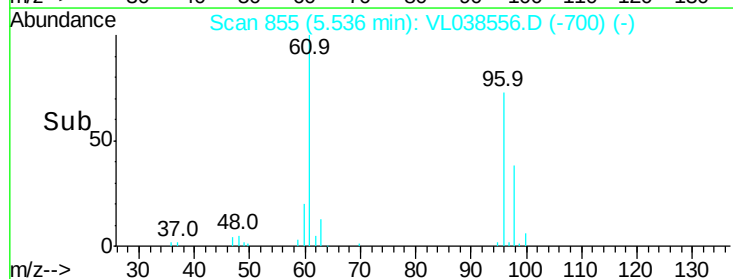
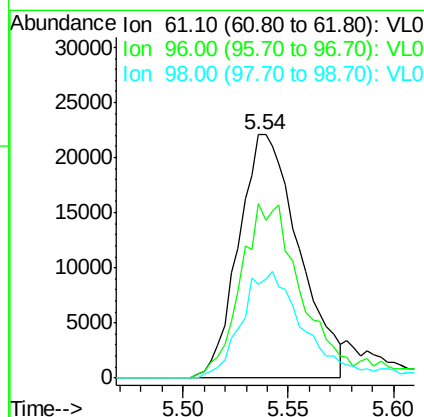
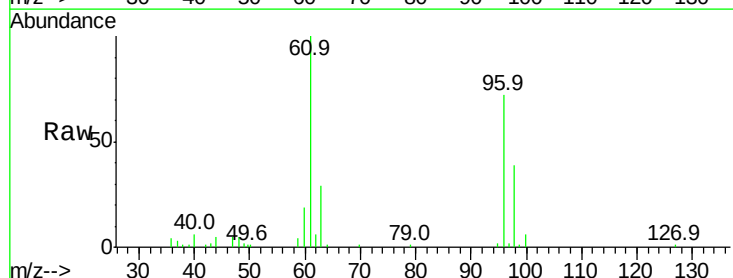
#30
Cyclohexane
Concen: 0.59 ppbv
RT: 7.12
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 13:03

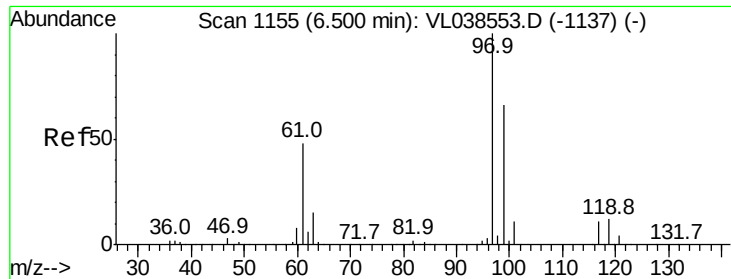
Tgt Ion: 84 Resp: 44298
Ion Ratio Lower Upper
84 100
56 110.4 111.4 167.0#
41 78.9 65.5 98.3



#31
cis-1,2-Dichloroethene
Concen: 0.50 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.00 min
Lab File: VL038556.D
Acq: 8 Mar 2022 13:03

Tgt Ion: 61 Resp: 44002
Ion Ratio Lower Upper
61 100
96 71.8 55.2 82.8
98 38.7 34.2 51.4





#32

1,1,1-Trichloroethane

Concen: 0.51 ppbv

RT: 6.50

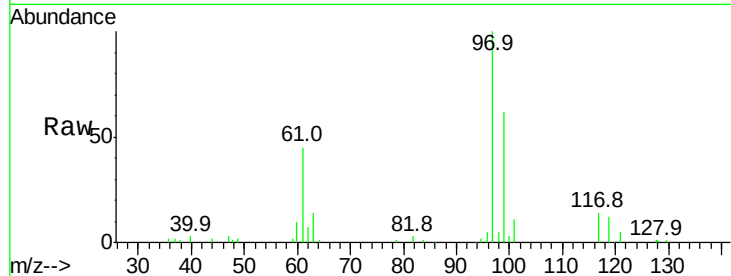
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Mar 2022 13:03

Tgt Ion: 97 Resp: 76180

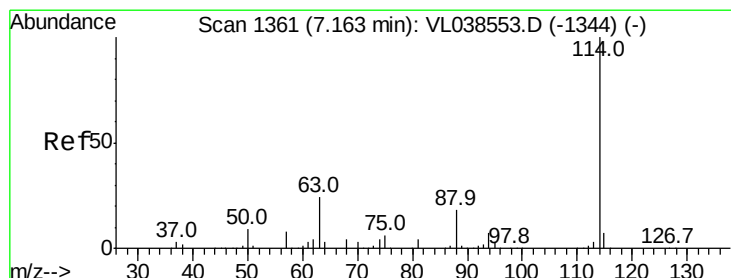
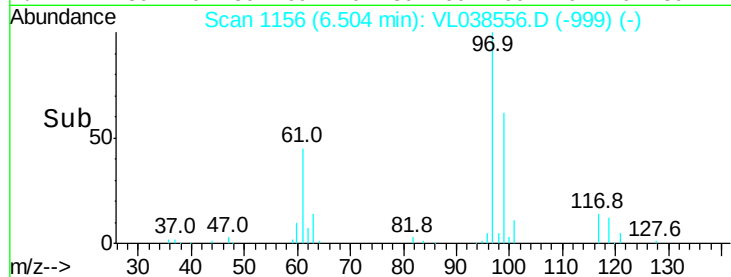
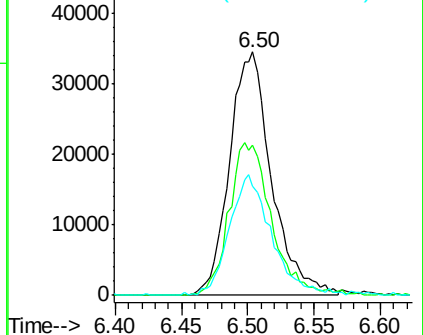
Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.1	78.1
61	50.3	37.7	56.5



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: 7.16 min Scan# 1361

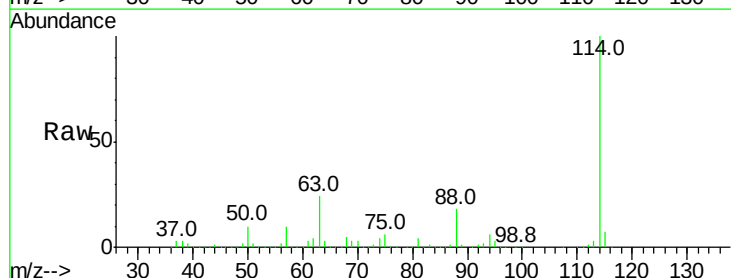
Delta R.T. 0.00 min

Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

Tgt Ion: 114 Resp: 2324161

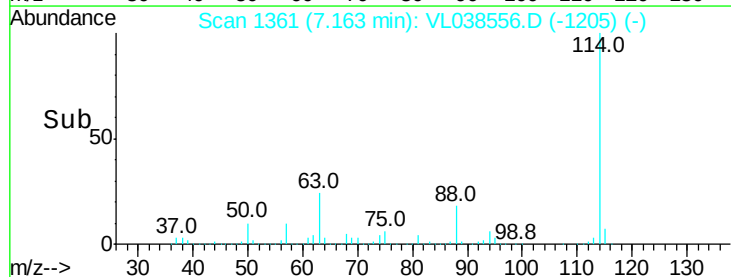
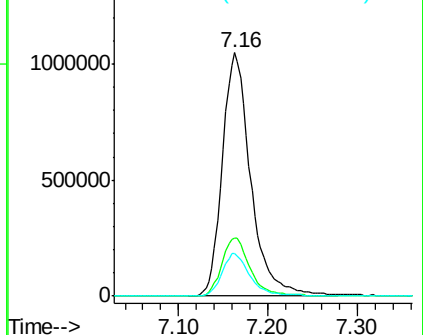
Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.4	13.9	20.9

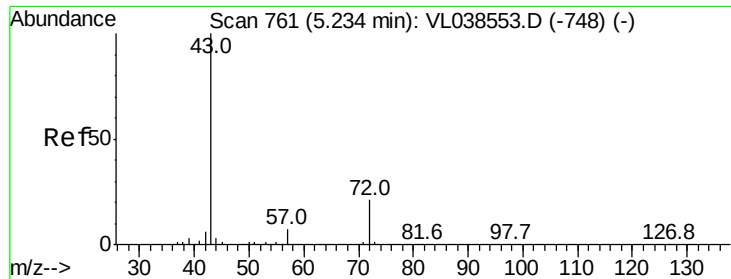


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.39 ppbv

RT: 5.25

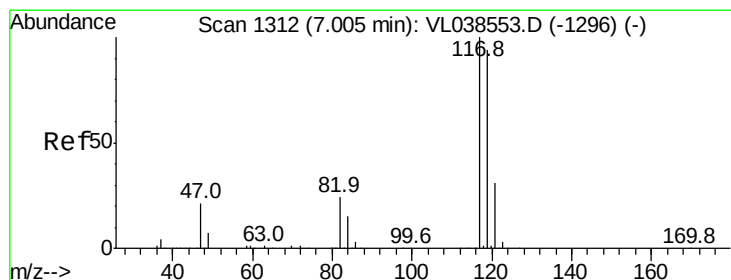
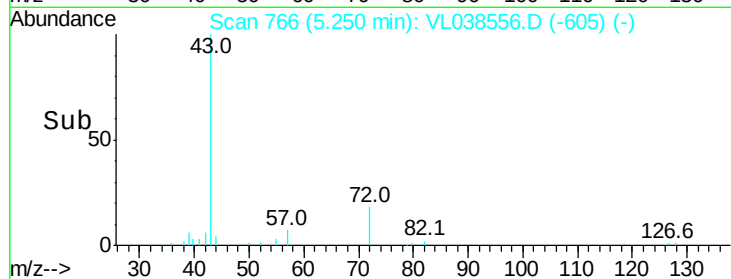
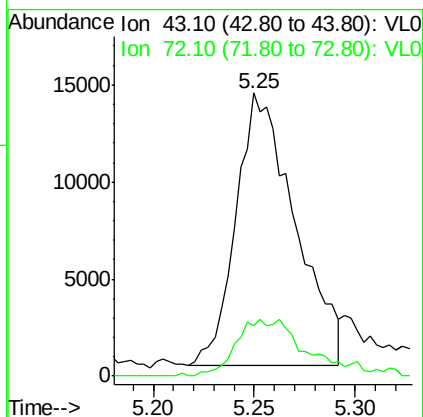
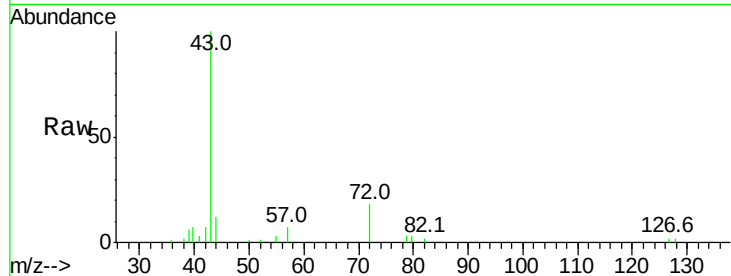
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Mar 2022 13:03

Tgt Ion: 43 Resp: 28630

Ion	Ratio	Lower	Upper
43	100		
72	26.2	17.8	26.6



#35

Carbon Tetrachloride

Concen: 0.47 ppbv

RT: 7.01 min Scan# 1313

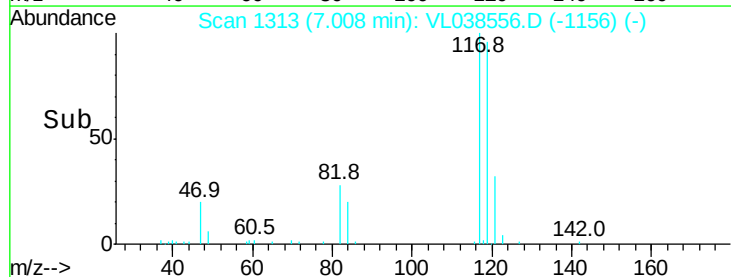
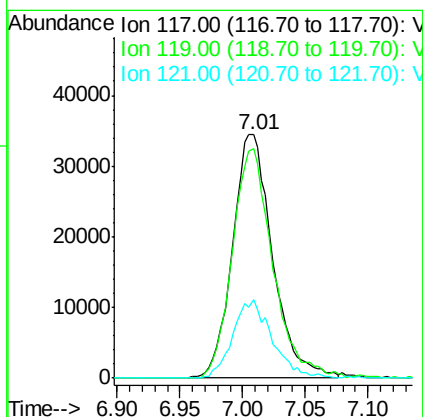
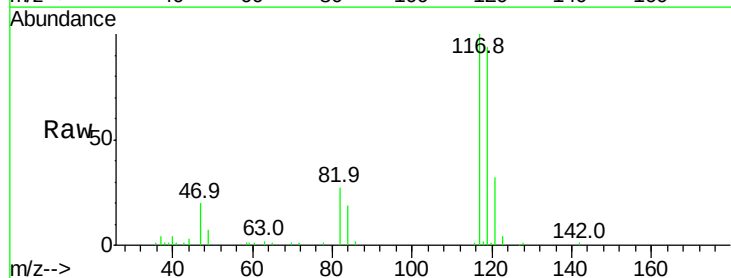
Delta R.T. 0.00 min

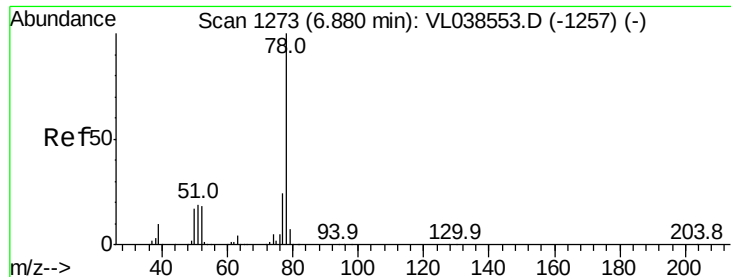
Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

Tgt Ion: 117 Resp: 76532

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.2	112.8
121	32.2	24.8	37.2





#36

Benzene

Concen: 0.52 ppbv

RT: 6.88 Instrument: MSVOA_1

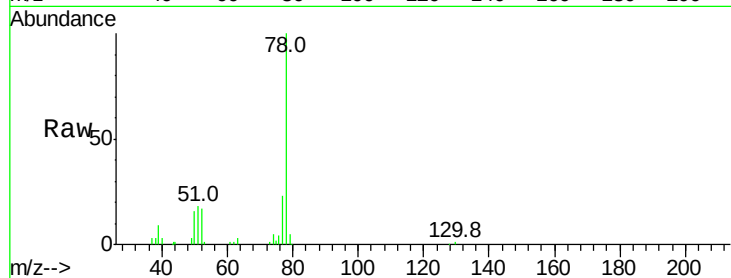
Delta R.T. ClientSampleId:

Lab File: VSTDIC0.5

Acq: 8 Mar 2022 13:03

Tgt Ion: 78 Resp: 105705

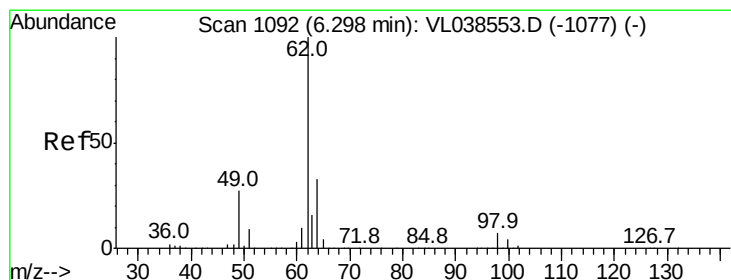
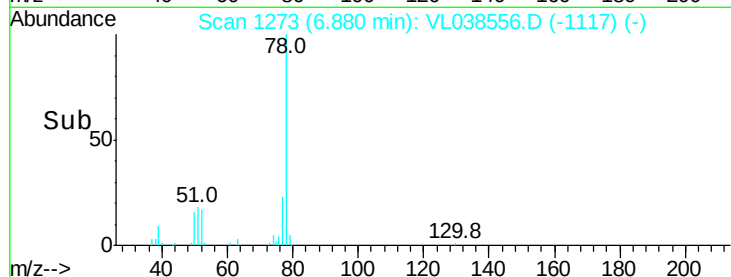
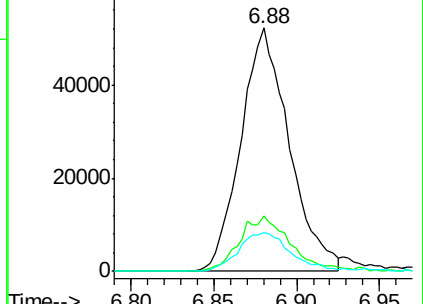
Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4
50	16.1	13.9	20.9



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.41 ppbv

RT: 6.29 min Scan# 1090

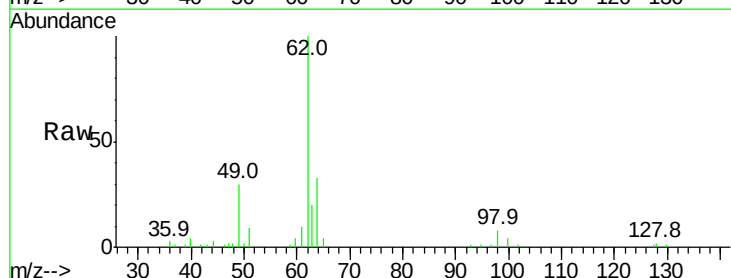
Delta R.T. -0.01 min

Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

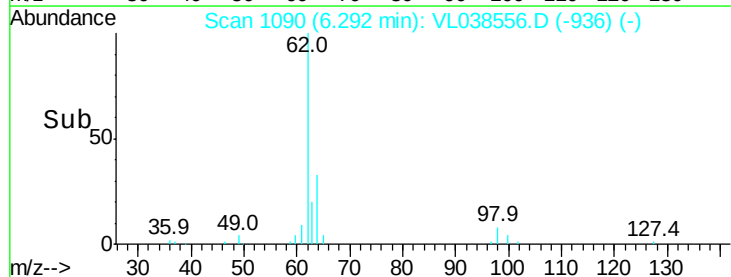
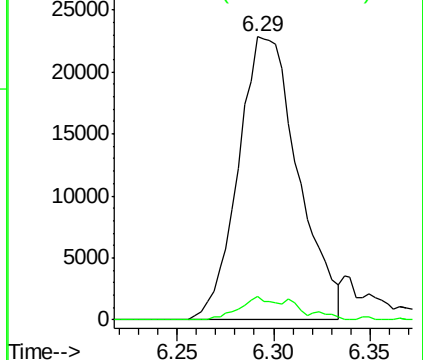
Tgt Ion: 62 Resp: 49039

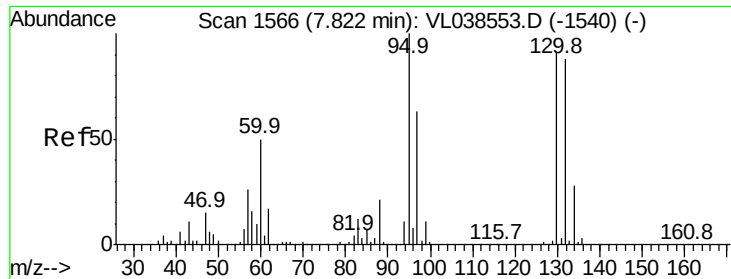
Ion	Ratio	Lower	Upper
62	100		
98	7.8	5.7	8.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.52 ppbv

RT: 7.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 13:03

Tgt Ion:130 Resp: 38391

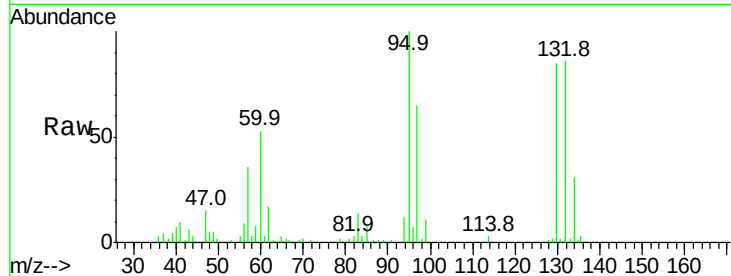
Ion Ratio Lower Upper

130 100

95 121.0 87.8 131.8

132 104.0 77.5 116.3

97 78.4 55.4 83.2

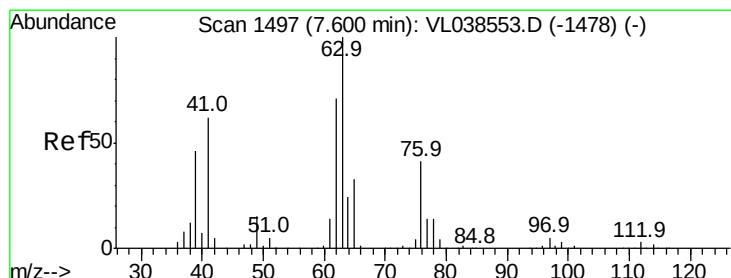
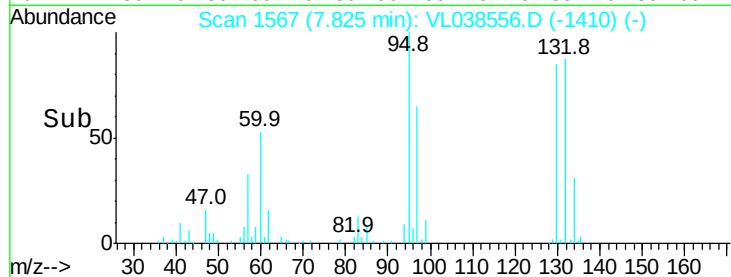
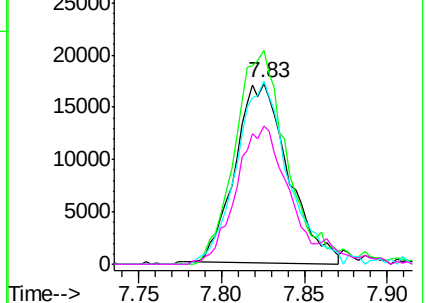


Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.49 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

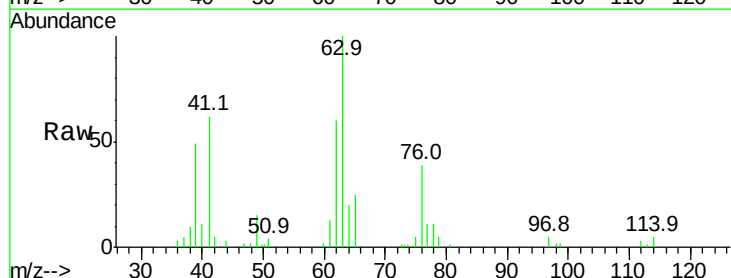
Tgt Ion: 63 Resp: 40041

Ion Ratio Lower Upper

63 100

41 61.7 49.8 74.6

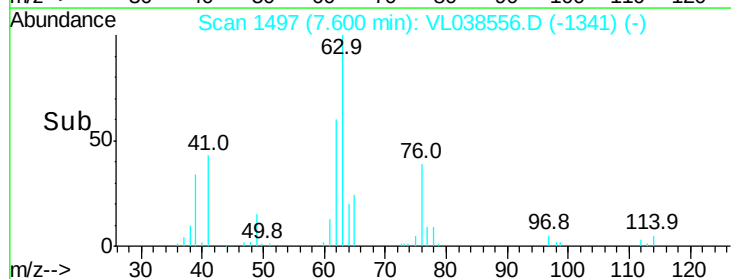
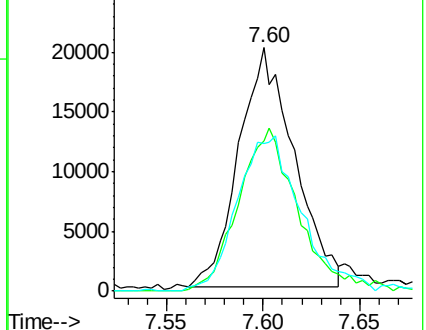
62 59.6 56.7 85.1

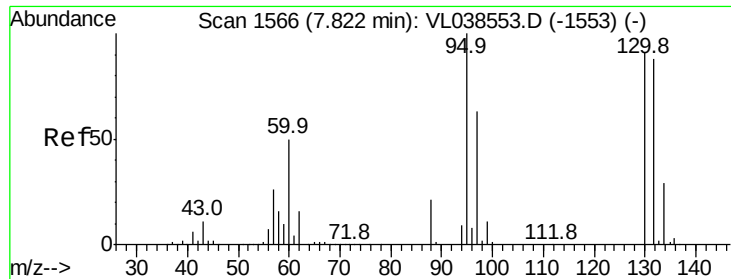


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#40

1,4-Dioxane

Concen: 0.13 ppbv

RT: 7.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 13:03 VSTDIC0.5

Tgt Ion: 88 Resp: 2609

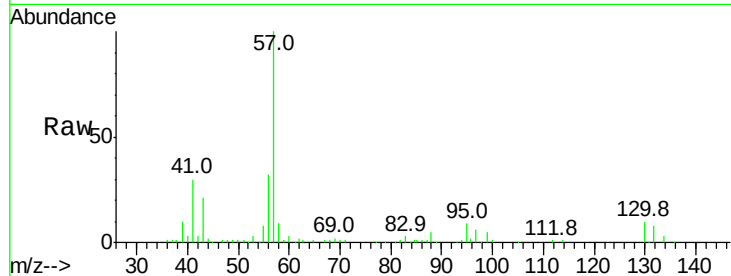
Ion Ratio Lower Upper

88 100

58 0.0 126.7 190.1#

43 0.0 303.0 454.6#

57 0.0 1368.6 2053.0#

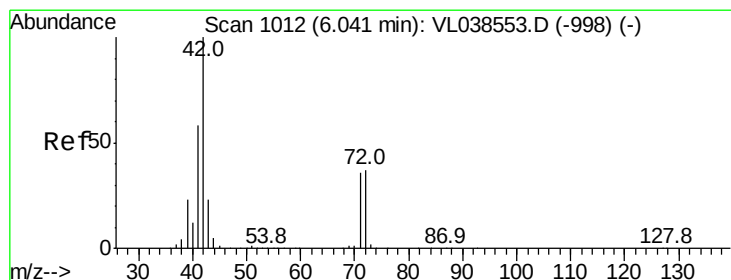
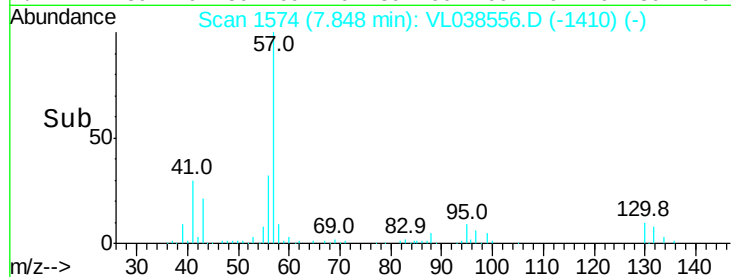
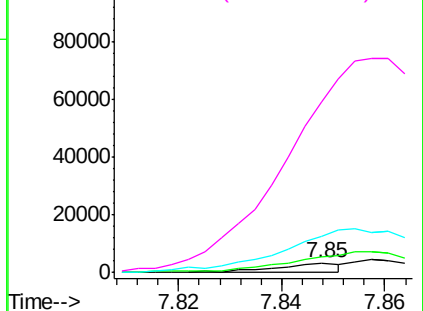


Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#41

Tetrahydrofuran

Concen: 0.16 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

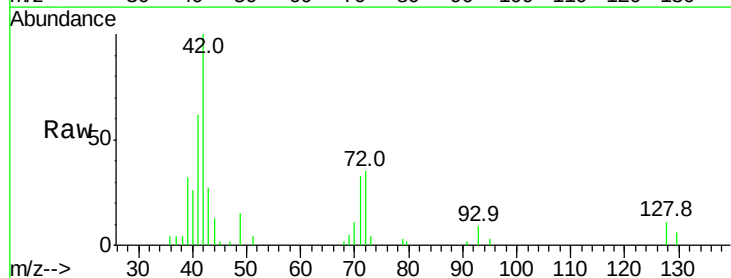
Tgt Ion: 42 Resp: 7893

Ion Ratio Lower Upper

42 100

72 0.0 30.9 46.3#

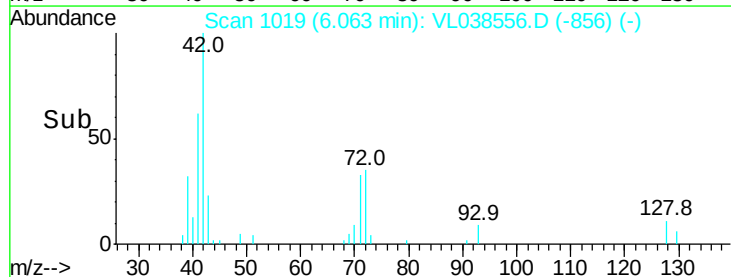
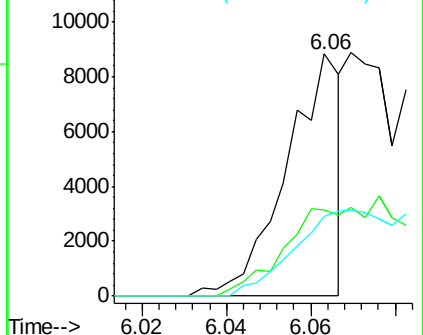
71 0.0 29.1 43.7#

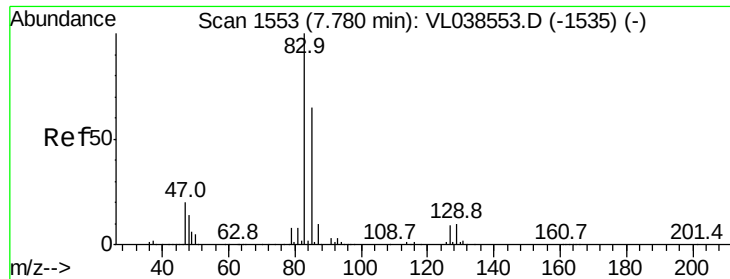


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.45 ppbv

RT: 7.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 13:03 VSTDIC0.5

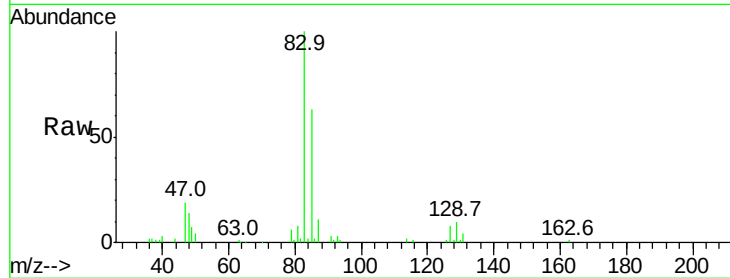
Tgt Ion: 83 Resp: 77270

Ion Ratio Lower Upper

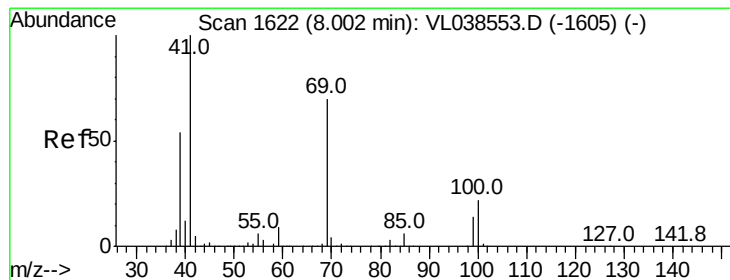
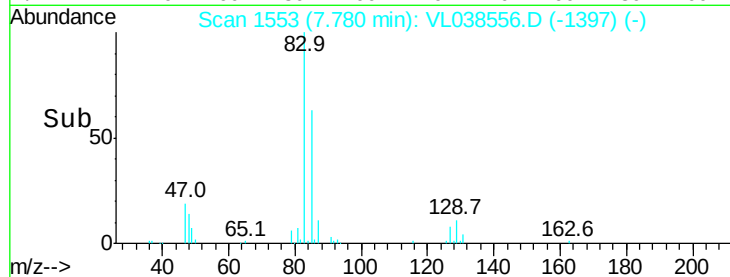
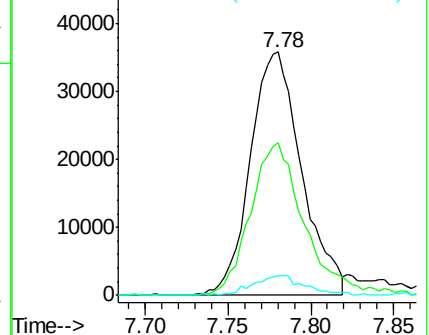
83 100

85 62.9 51.7 77.5

127 8.1 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.24 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. 0.01 min

Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

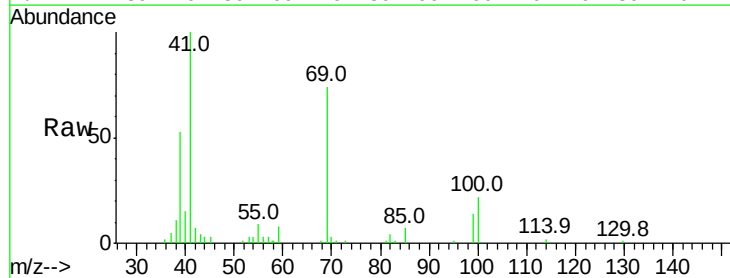
Tgt Ion: 69 Resp: 16856

Ion Ratio Lower Upper

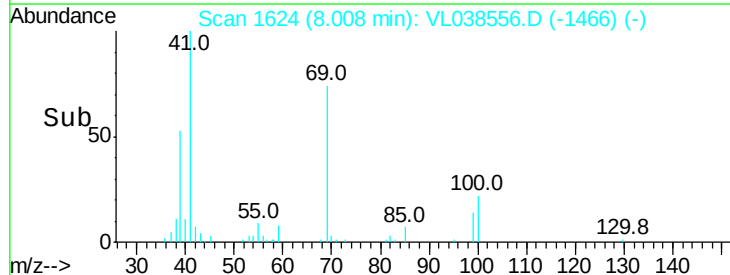
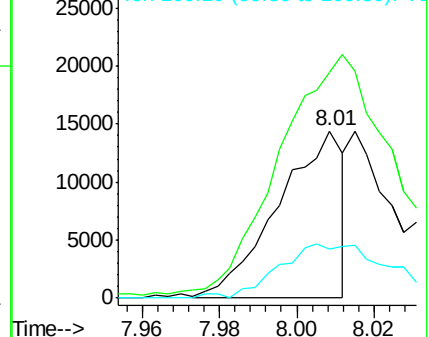
69 100

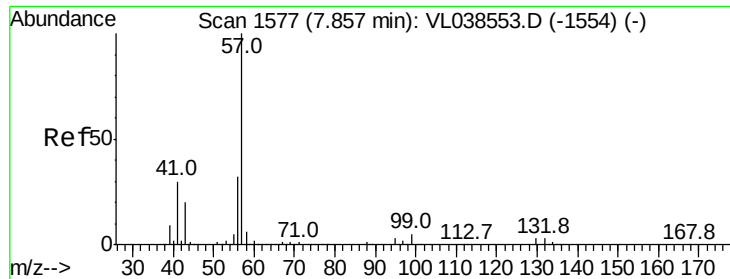
41 0.0 113.8 170.6#

100 58.2 24.4 36.6#



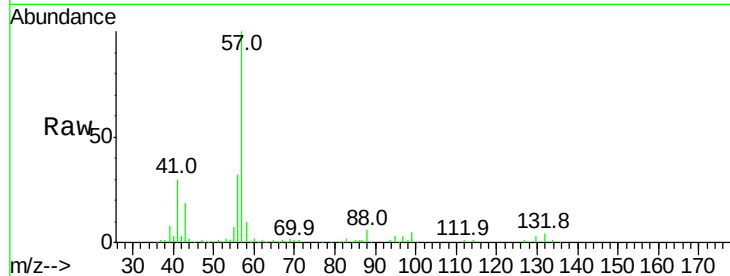
Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



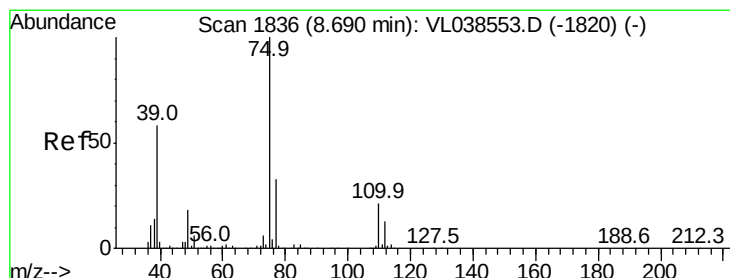
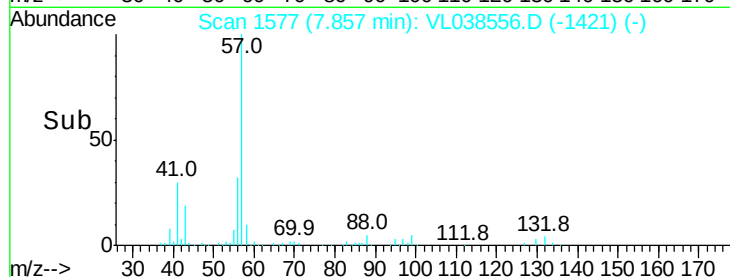
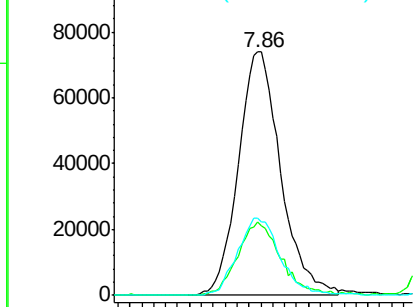


#44
 2,2,4-Trimethylpentane
 Concen: 0.52 ppbv
 RT: 7.86
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 8 Mar 2022 13:03

Tgt Ion:	57	Resp:	182541
Ion	Ratio	Lower	Upper
57	100		
41	31.1	24.0	36.0
56	32.4	25.6	38.4

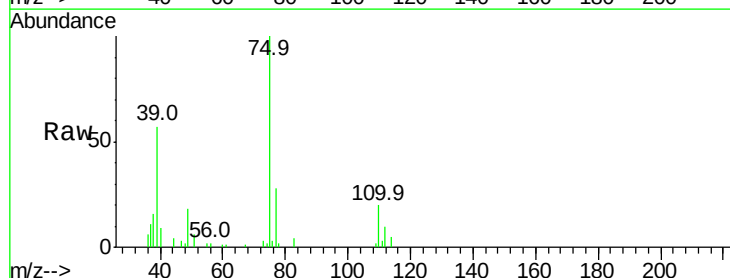


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

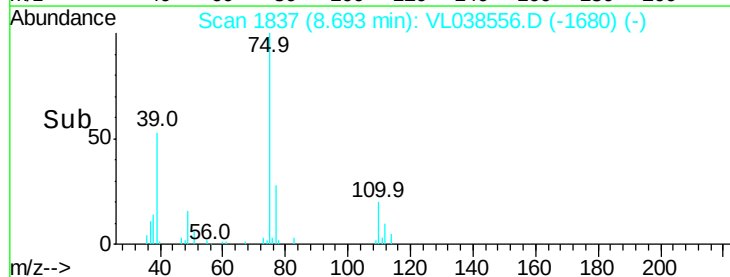
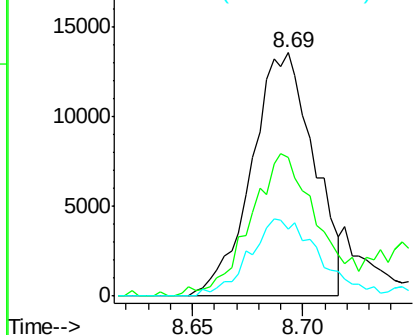


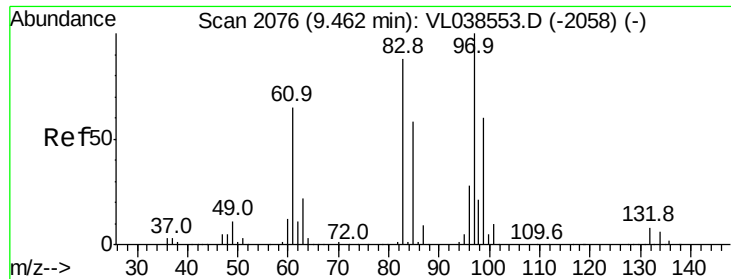
#46
 cis-1,3-Dichloropropene
 Concen: 0.36 ppbv
 RT: 8.69 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

Tgt Ion:	75	Resp:	26570
Ion	Ratio	Lower	Upper
75	100		
39	53.3	46.2	69.2
77	29.4	26.2	39.2



Abundance Ion 75.00 (74.70 to 75.70): VL0
 Ion 39.00 (38.70 to 39.70): VL0
 Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.50 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 8 Mar 2022 13:03 VSTDIC0.5

Tgt Ion: 97 Resp: 40258

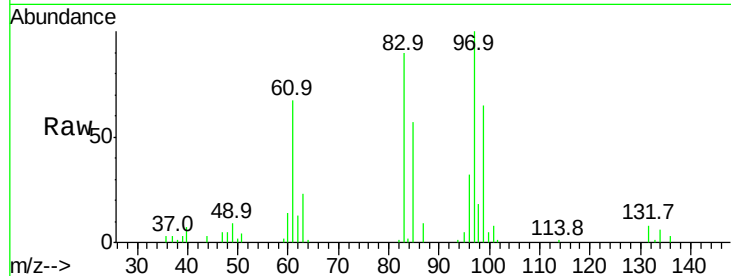
Ion Ratio Lower Upper

97 100

83 84.6 70.1 105.1

85 56.7 46.6 69.8

99 61.7 48.1 72.1

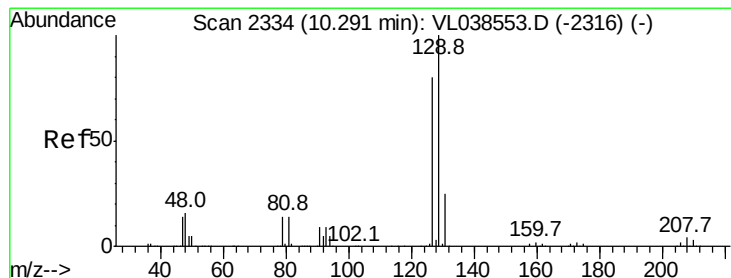
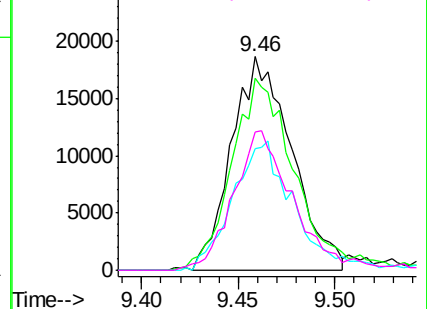
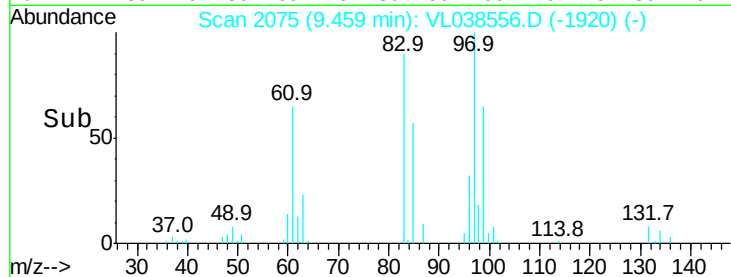


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.46 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. -0.00 min

Lab File: VL038556.D

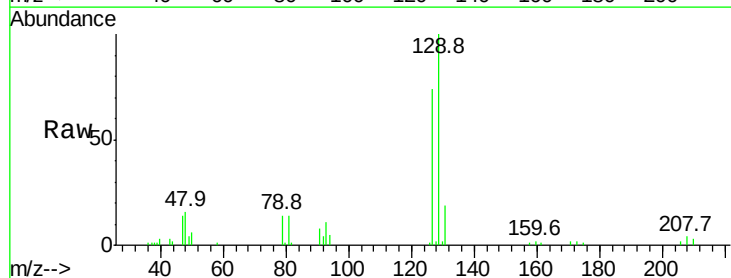
Acq: 8 Mar 2022 13:03

Tgt Ion: 129 Resp: 60489

Ion Ratio Lower Upper

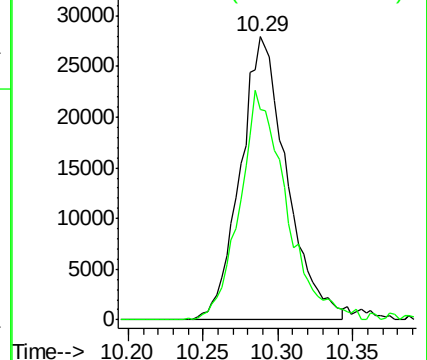
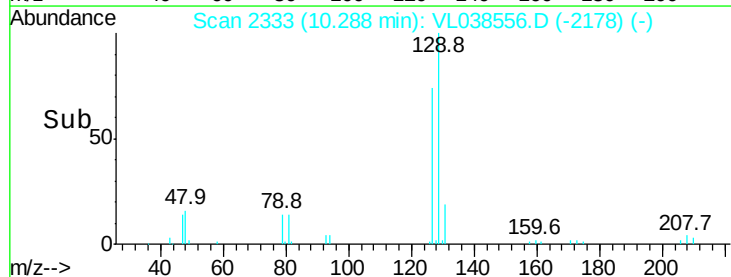
129 100

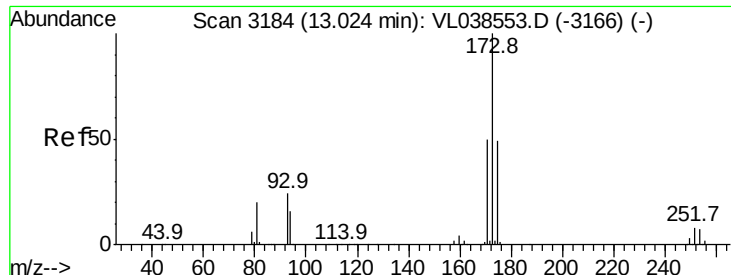
127 81.2 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.23 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 13:03

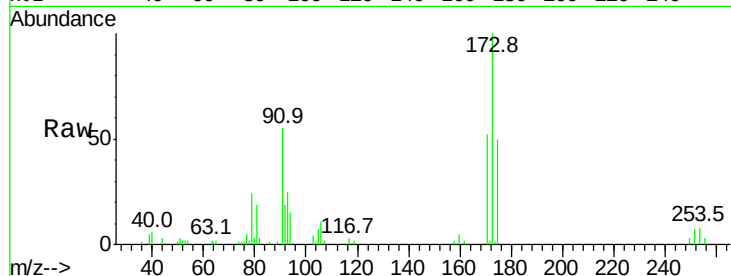
Tgt Ion: 173 Resp: 22743

Ion Ratio Lower Upper

173 100

175 94.2 40.7 61.1#

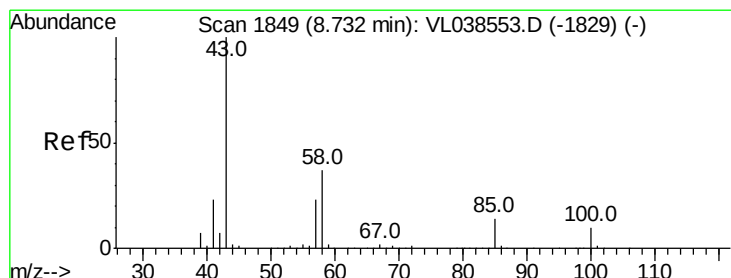
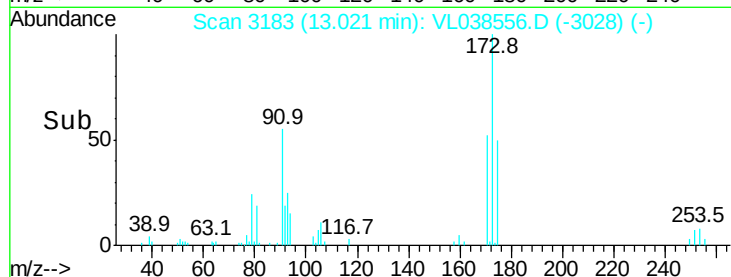
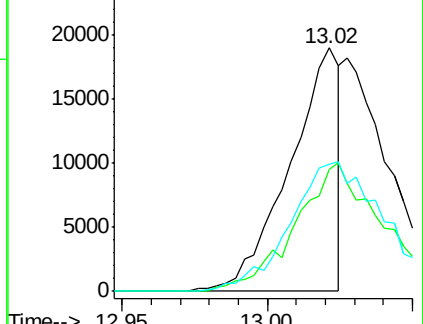
171 108.3 42.9 64.3#



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



#50

4-Methyl-2-Pentanone

Concen: 0.20 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.02 min

Lab File: VL038556.D

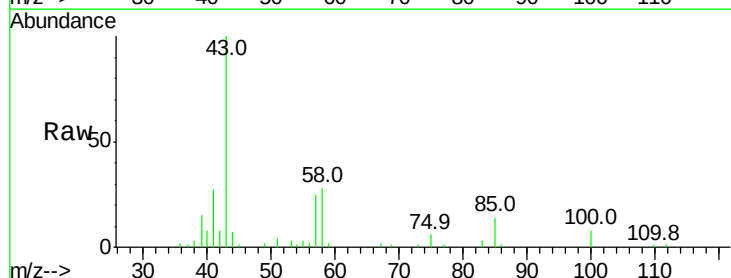
Acq: 8 Mar 2022 13:03

Tgt Ion: 43 Resp: 26455

Ion Ratio Lower Upper

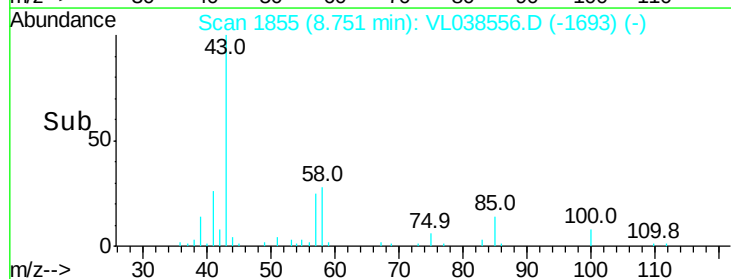
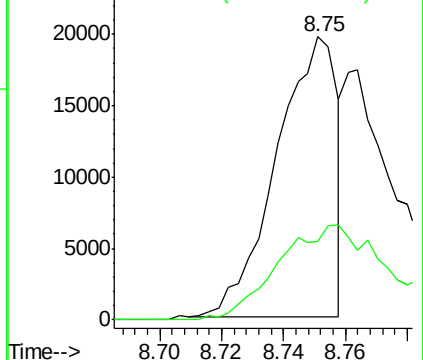
43 100

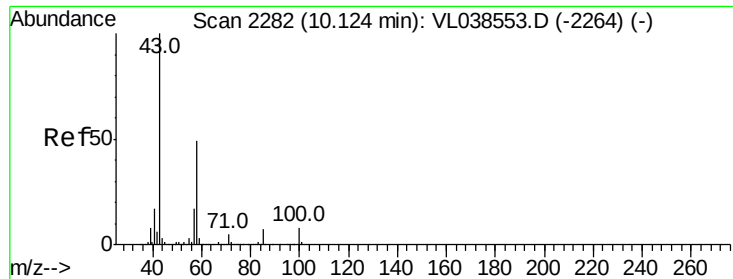
58 0.0 29.2 43.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

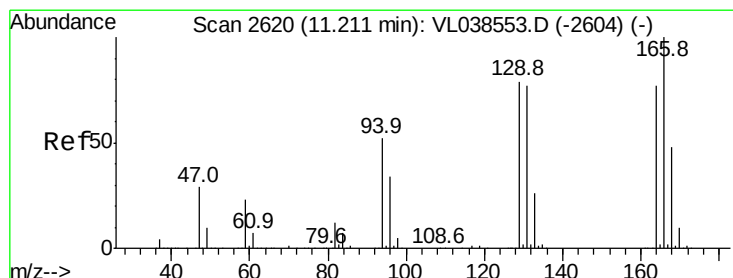
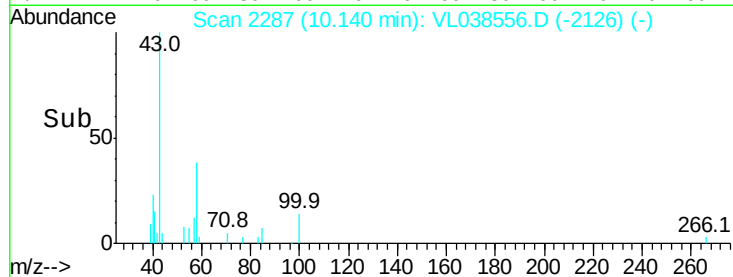
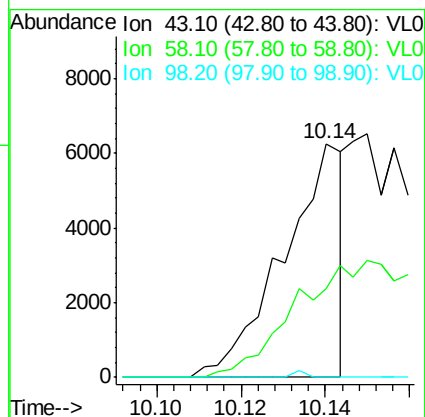
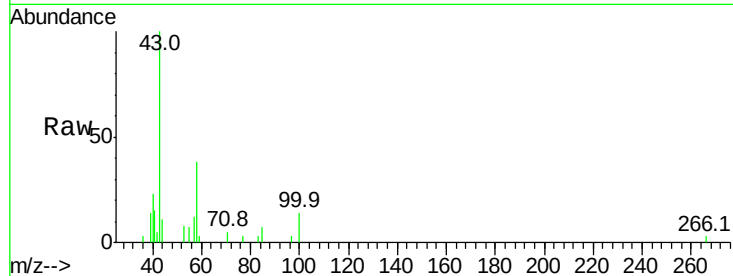
Ion 58.10 (57.80 to 58.80): VL0





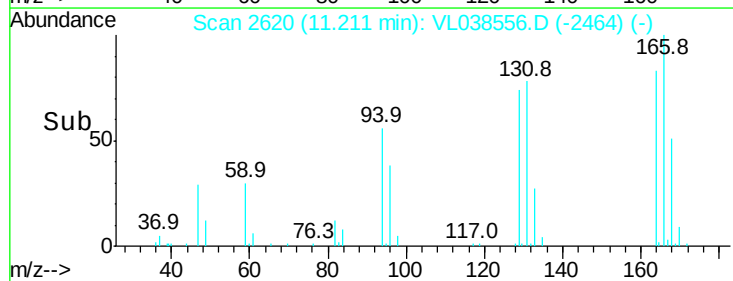
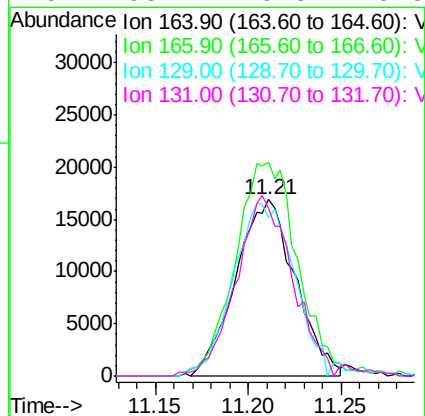
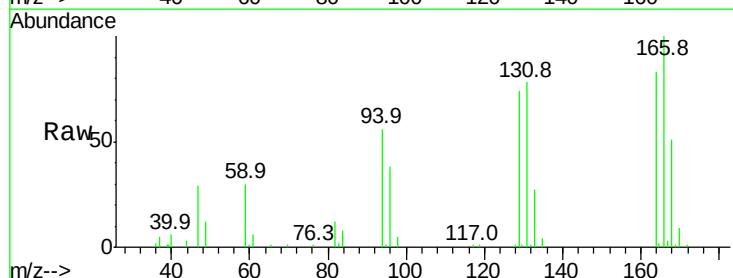
#51
2-Hexanone
Concen: 0.11 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 13:03

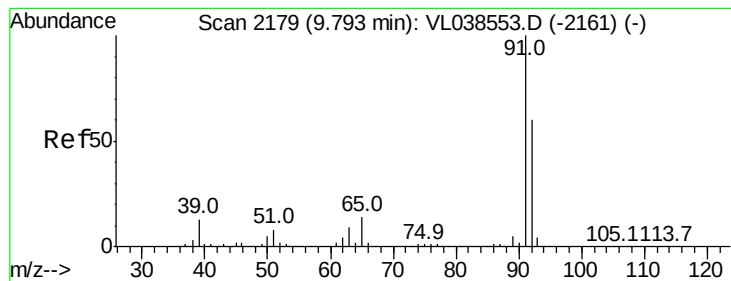
Tgt Ion:	43	Resp:	6157
Ion Ratio	Lower	Upper	
43	100		
58	0.0	40.1	60.1#
98	0.5	0.4	0.6



#52
Tetrachloroethene
Concen: 0.55 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.00 min
Lab File: VL038556.D
Acq: 8 Mar 2022 13:03

Tgt Ion:	164	Resp:	37659
Ion Ratio	Lower	Upper	
164	100		
166	117.3	103.4	155.2
129	86.7	81.3	121.9
131	93.1	79.8	119.8





#53

Toluene

Concen: 0.47 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

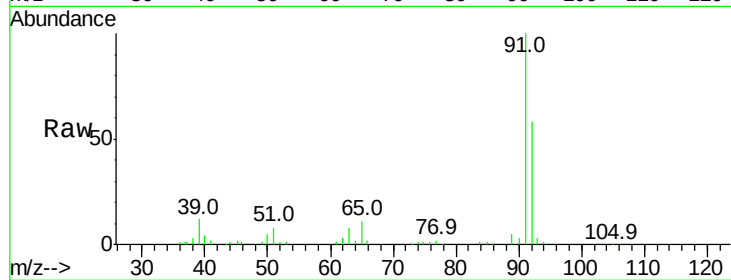
Acq: 8 Mar 2022 13:03

Tgt Ion: 91 Resp: 103900

Ion Ratio Lower Upper

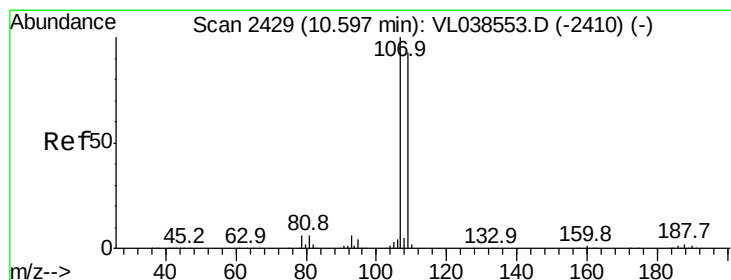
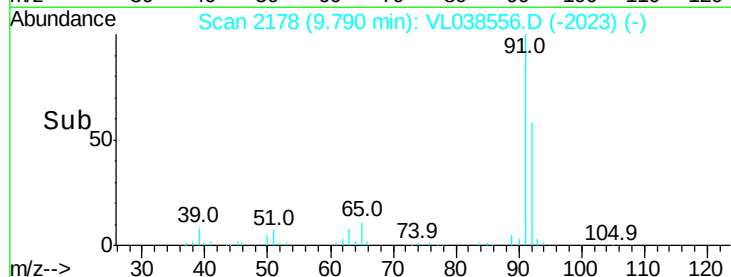
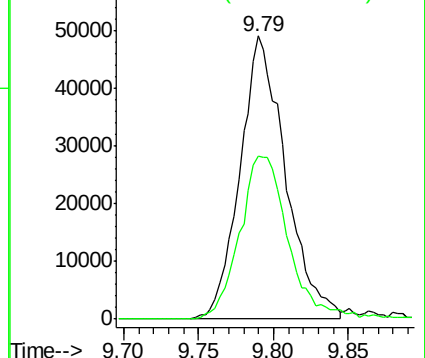
91 100

92 62.0 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.44 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.00 min

Lab File: VL038556.D

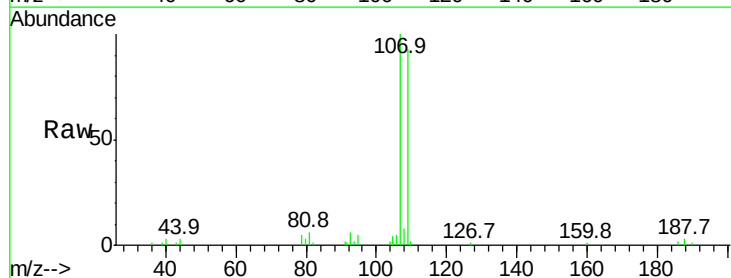
Acq: 8 Mar 2022 13:03

Tgt Ion: 107 Resp: 50098

Ion Ratio Lower Upper

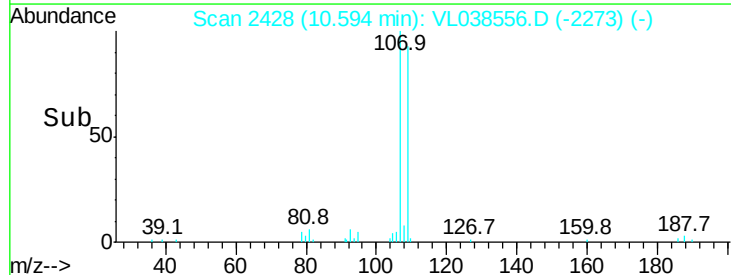
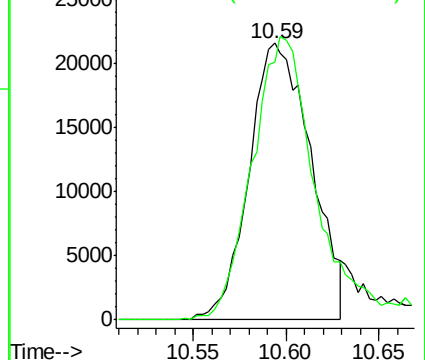
107 100

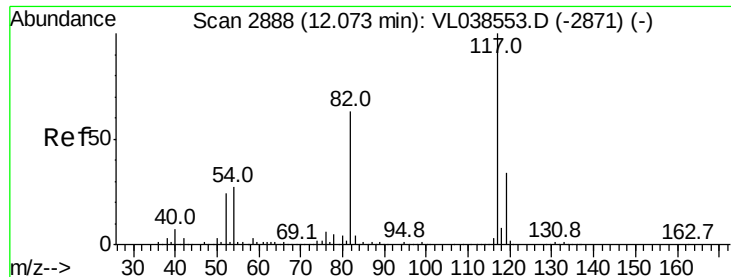
109 94.8 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

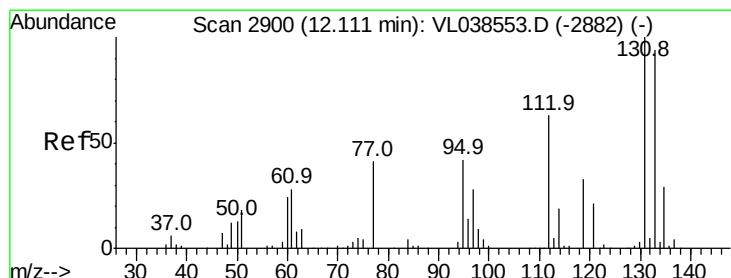
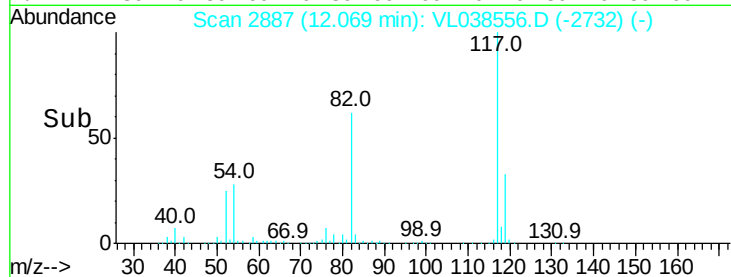
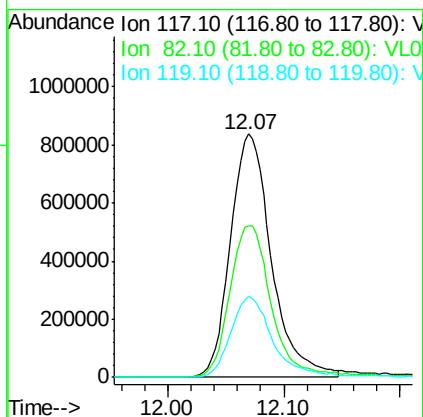
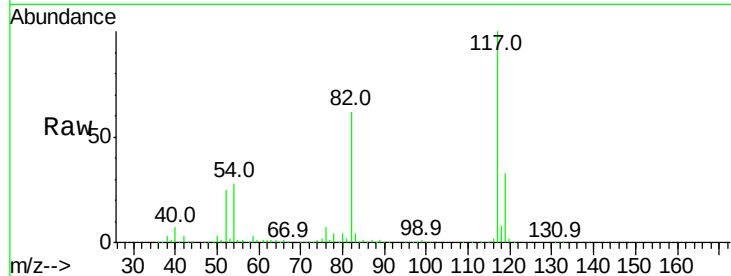
Ion 109.00 (108.70 to 109.70): V





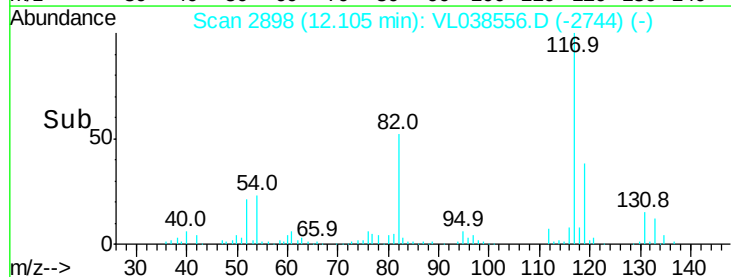
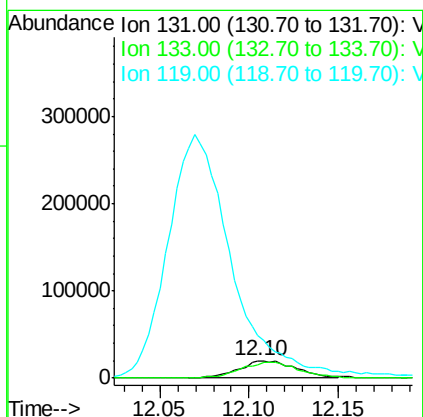
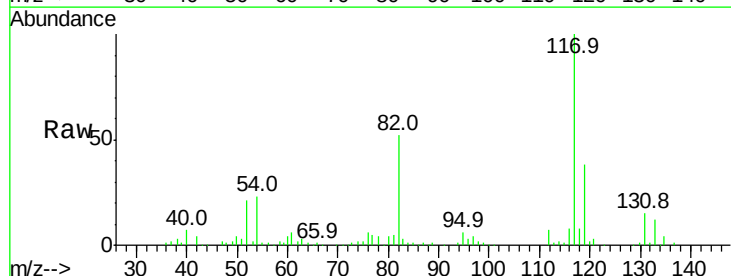
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC00.5
 Acq: 8 Mar 2022 13:03

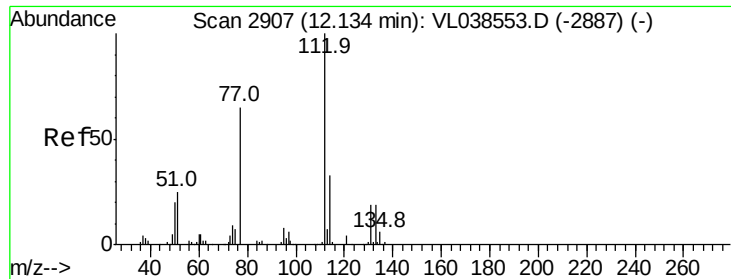
Tgt Ion:117 Resp: 2049512
 Ion Ratio Lower Upper
 117 100
 82 65.0 52.5 78.7
 119 34.9 46.4 69.6#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.53 ppbv
 RT: 12.10 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

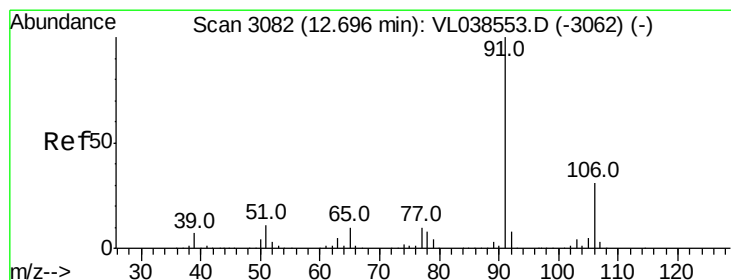
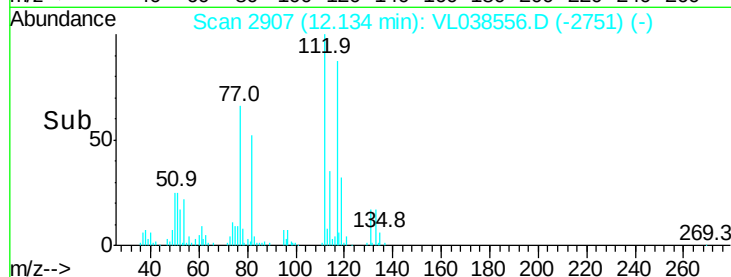
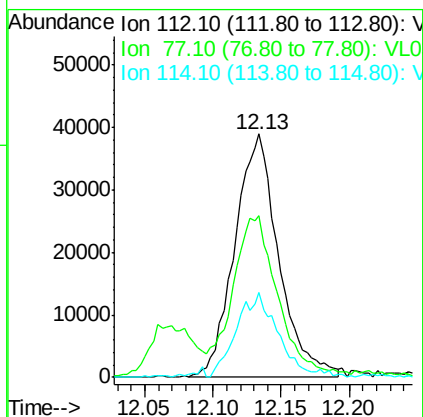
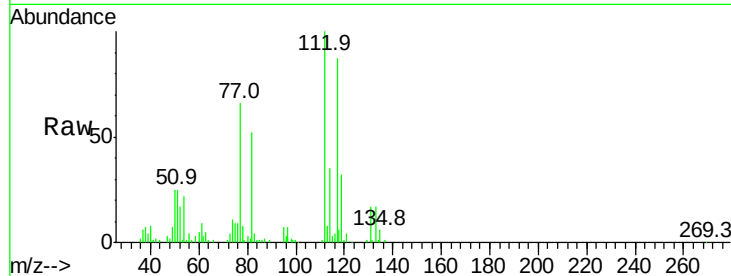
Tgt Ion:131 Resp: 44899
 Ion Ratio Lower Upper
 131 100
 133 96.4 78.0 117.0
 119 1613.9 53.1 79.7#





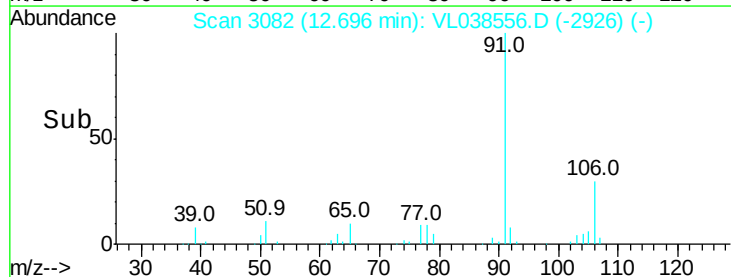
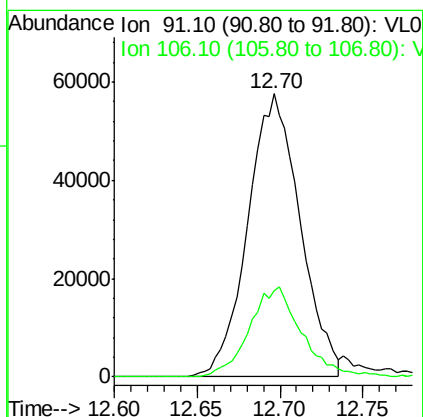
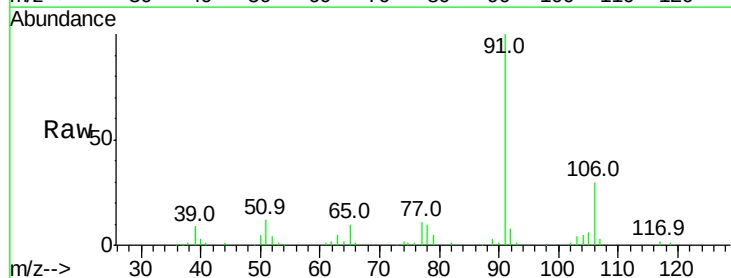
#57
Chlorobenzene
Concen: 0.55 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Mar 2022 13:03

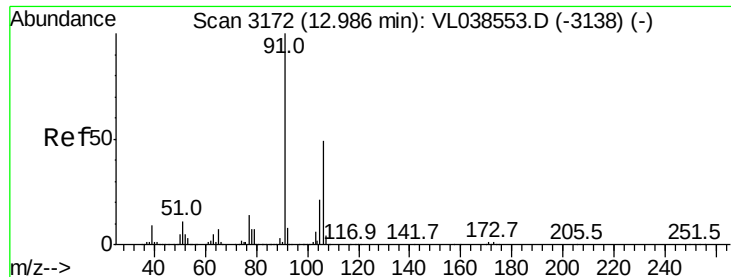
Tgt Ion: 112 Resp: 87243
Ion Ratio Lower Upper
112 100
77 62.7 52.5 78.7
114 33.7 30.0 36.6



#58
Ethyl Benzene
Concen: 0.45 ppbv
RT: 12.70 min Scan# 3082
Delta R.T.: 0.00 min
Lab File: VL038556.D
Acq: 8 Mar 2022 13:03

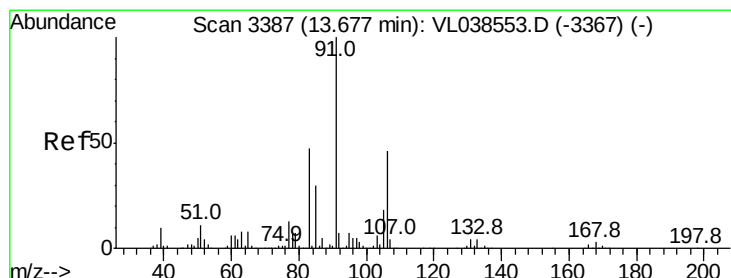
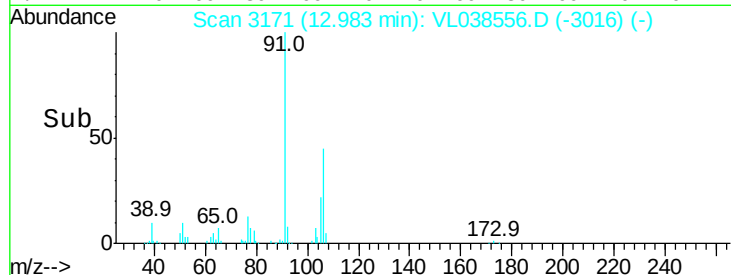
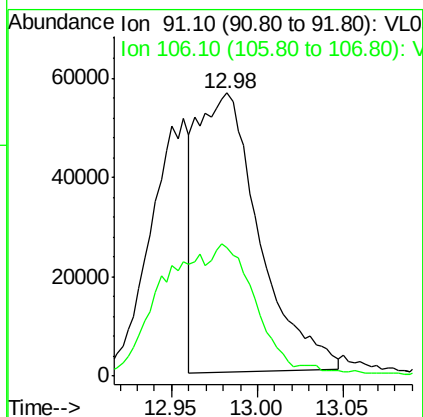
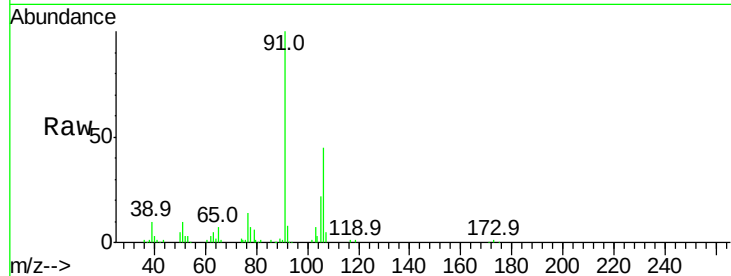
Tgt Ion: 91 Resp: 126550
Ion Ratio Lower Upper
91 100
106 30.4 24.6 37.0





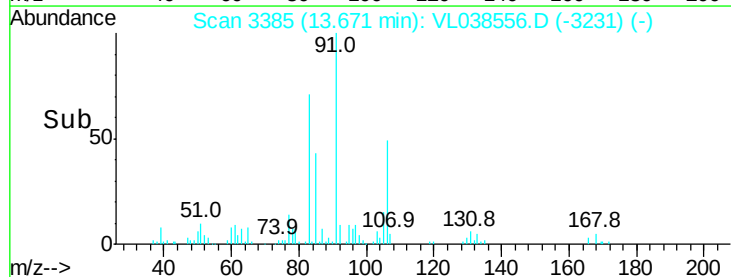
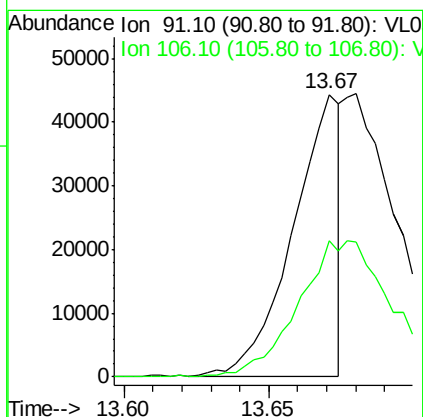
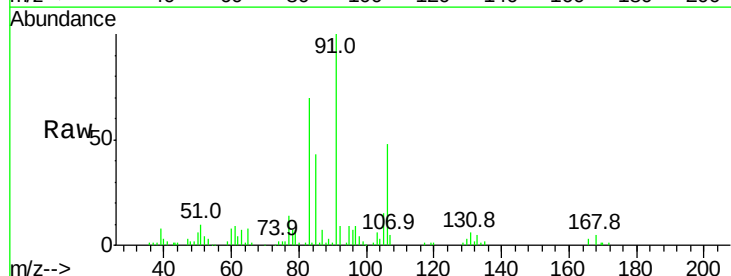
#59
m/p-Xylene
Concen: 0.59 ppbv
RT: 12.98 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 8 Mar 2022 13:03

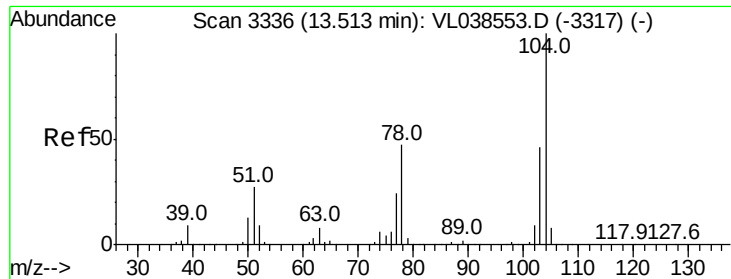
Tgt Ion: 91 Resp: 141546
Ion Ratio Lower Upper
91 100
106 73.3 37.1 55.7#



#60
o-Xylene
Concen: 0.22 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL038556.D
Acq: 8 Mar 2022 13:03

Tgt Ion: 91 Resp: 49763
Ion Ratio Lower Upper
91 100
106 100.8 23.5 70.6#





#61

Styrene

Concen: 0.43 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 13:03

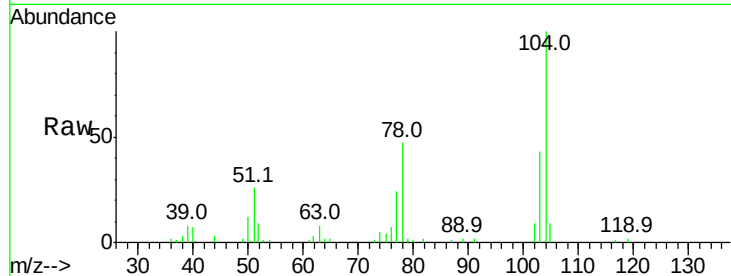
Tgt Ion:104 Resp: 44660

Ion Ratio Lower Upper

104 100

78 51.3 39.0 58.4

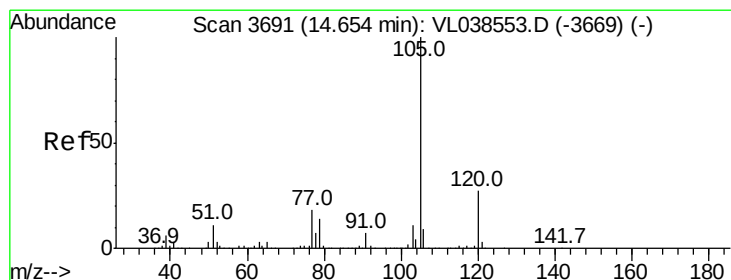
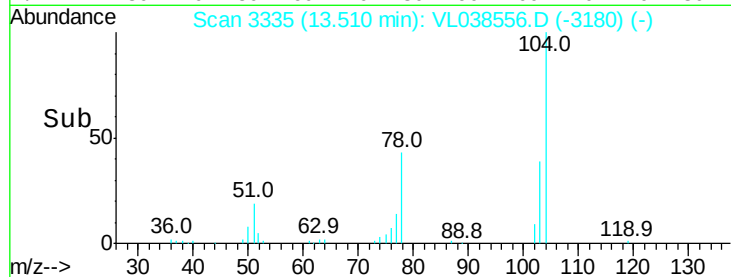
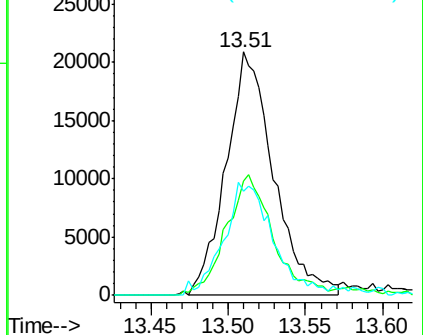
103 50.7 38.0 57.0



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



#62

Isopropylbenzene

Concen: 0.50 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL038556.D

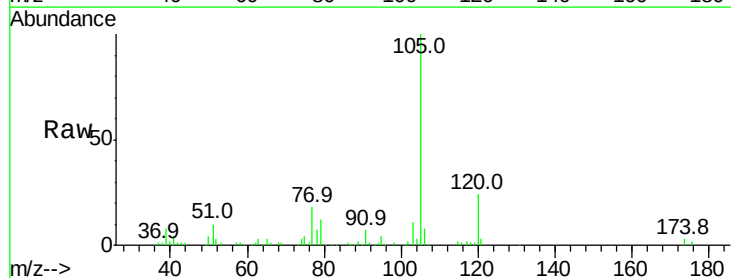
Acq: 8 Mar 2022 13:03

Tgt Ion:105 Resp: 152213

Ion Ratio Lower Upper

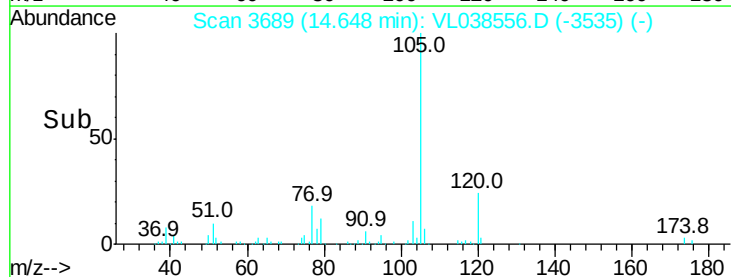
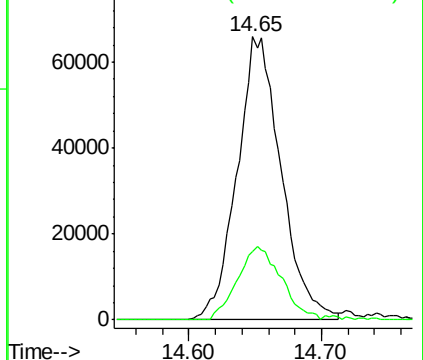
105 100

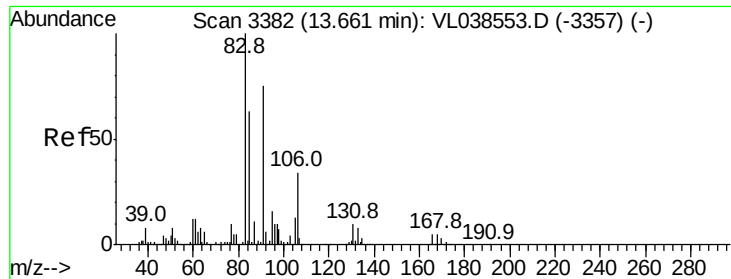
120 25.8 21.2 31.8



Abundance Ion 105.10 (104.80 to 105.80): V

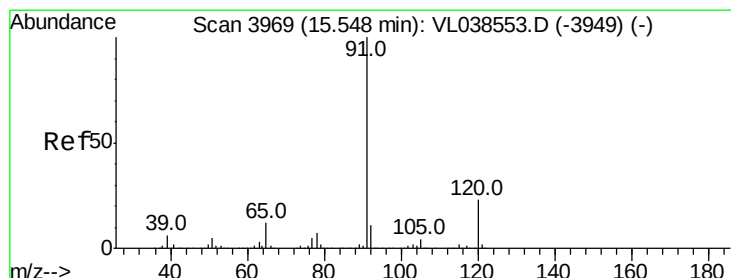
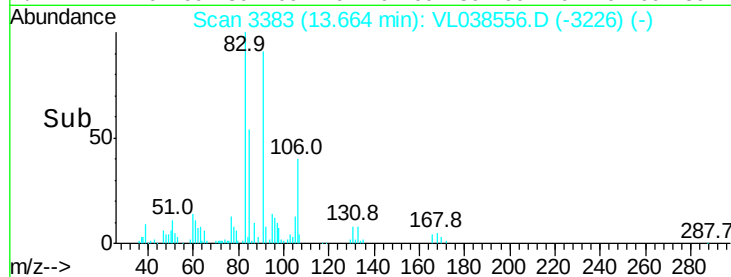
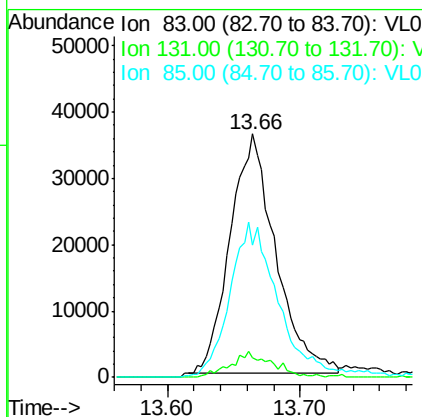
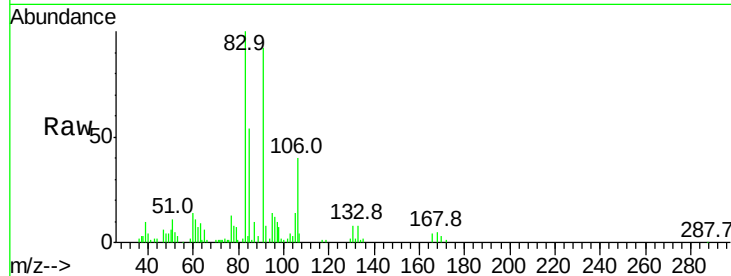
Ion 120.20 (119.90 to 120.90): V





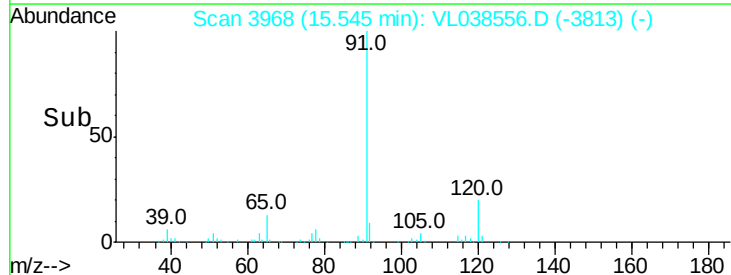
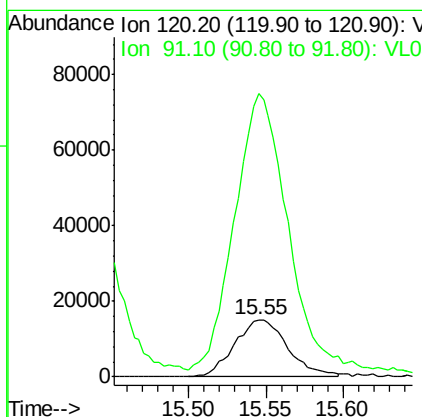
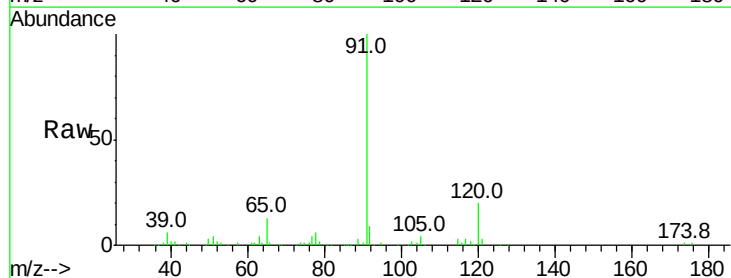
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.47 ppbv
 RT: 13.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 13:03

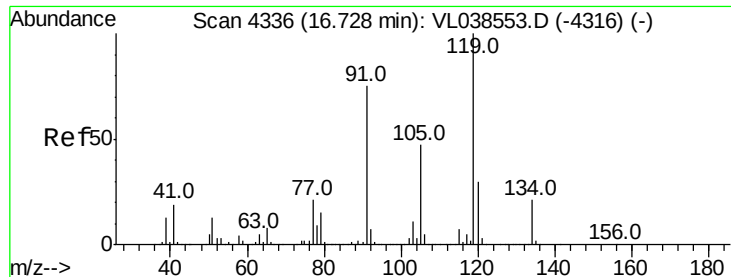
Tgt Ion: 83 Resp: 86576
 Ion Ratio Lower Upper
 83 100
 131 10.1 4.7 14.1
 85 70.6 32.6 98.0



#64
 n-propylbenzene
 Concen: 0.48 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.00 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

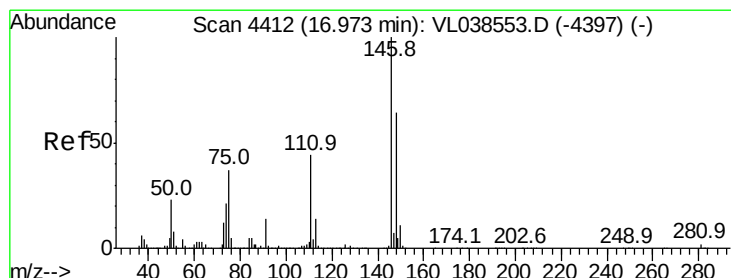
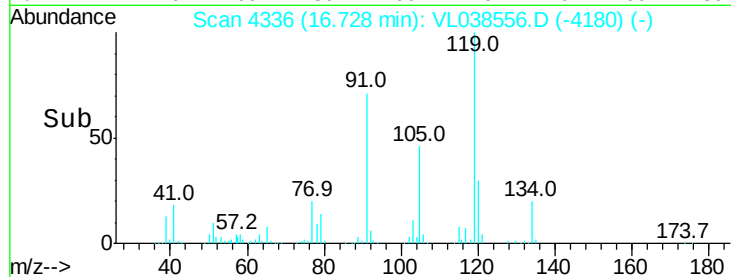
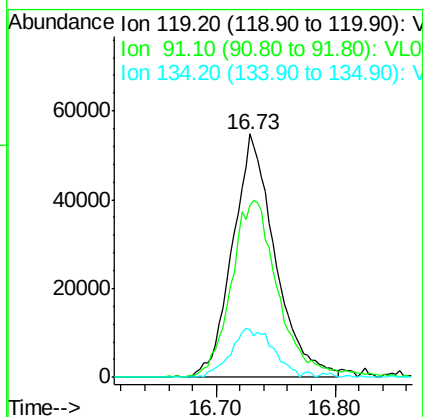
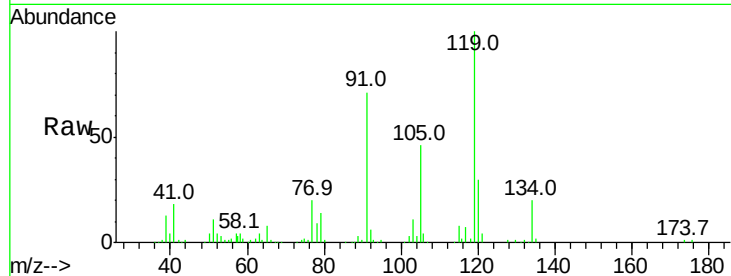
Tgt Ion: 120 Resp: 36299
 Ion Ratio Lower Upper
 120 100
 91 527.2 374.2 561.2





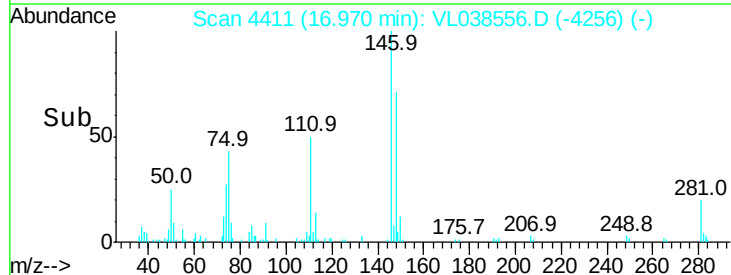
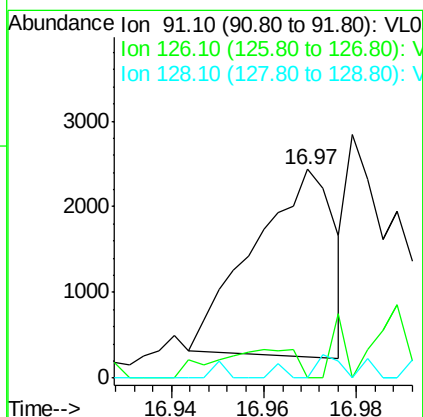
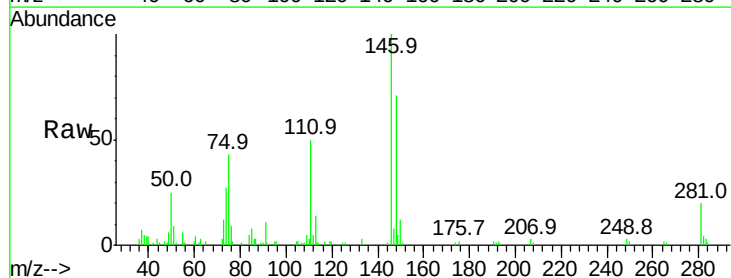
#65
 tert-Butylbenzene
 Concen: 0.51 ppbv
 RT: 16.73 min
 Delta R.T.: MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 8 Mar 2022 13:03

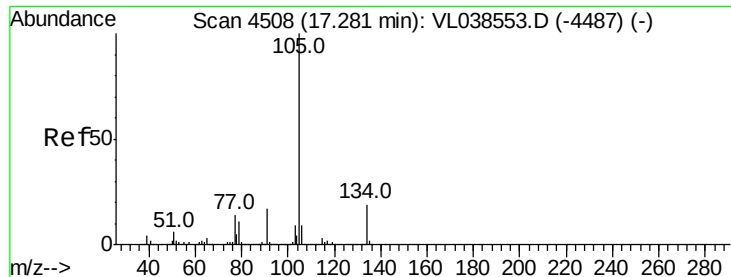
Tgt Ion: 119 Resp: 135185
 Ion Ratio Lower Upper
 119 100
 91 81.1 61.2 91.8
 134 20.4 16.2 24.2



#66
 Benzyl Chloride
 Concen: 0.18 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T.: -0.00 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

Tgt Ion: 91 Resp: 2628
 Ion Ratio Lower Upper
 91 100
 126 15.7 14.1 21.1
 128 2.7 5.1 7.7#





#67

sec-Butylbenzene

Concen: 0.51 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

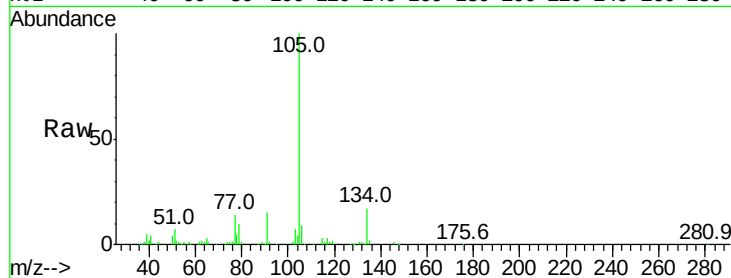
Acq: 8 Mar 2022 13:03

Tgt Ion: 105 Resp: 189660

Ion Ratio Lower Upper

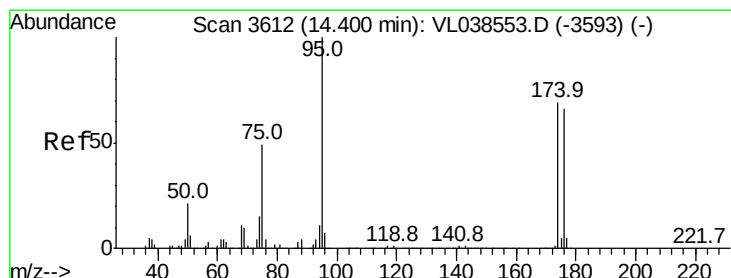
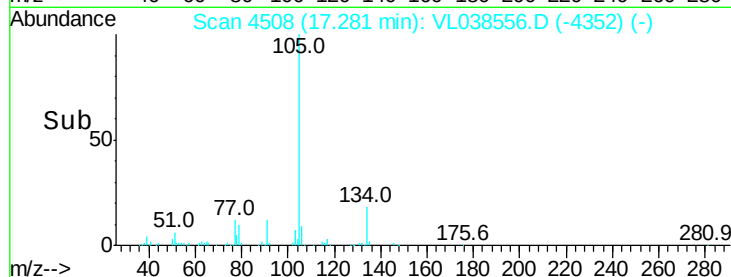
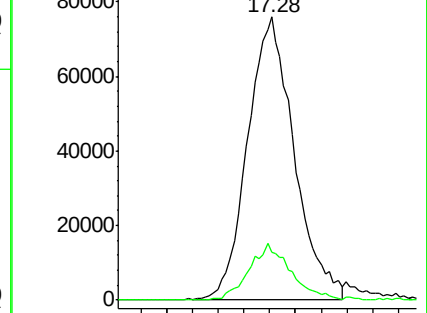
105 100

134 18.3 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.26 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.00 min

Lab File: VL038556.D

Acq: 8 Mar 2022 13:03

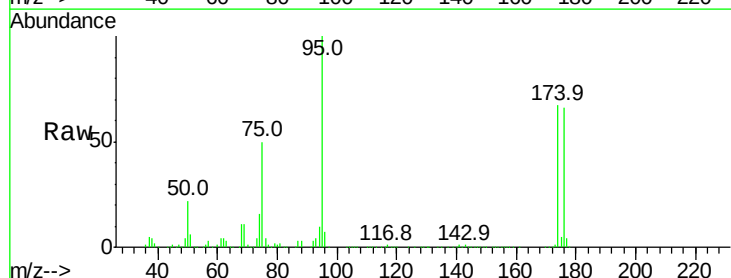
Tgt Ion: 95 Resp: 1570018

Ion Ratio Lower Upper

95 100

174 70.8 56.2 84.4

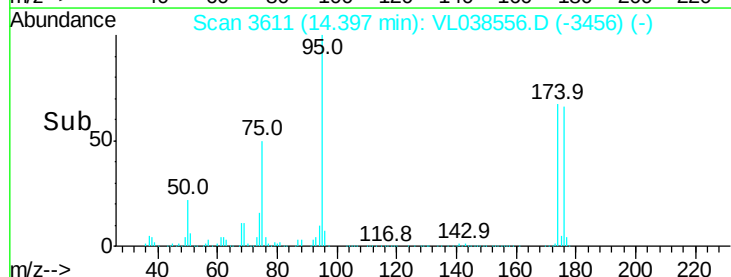
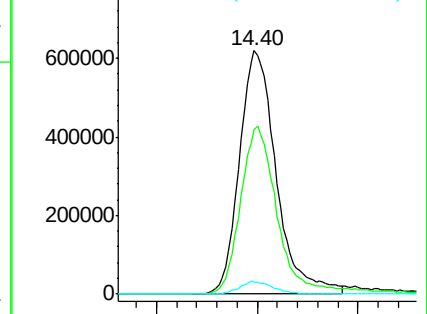
175 5.1 4.2 6.2

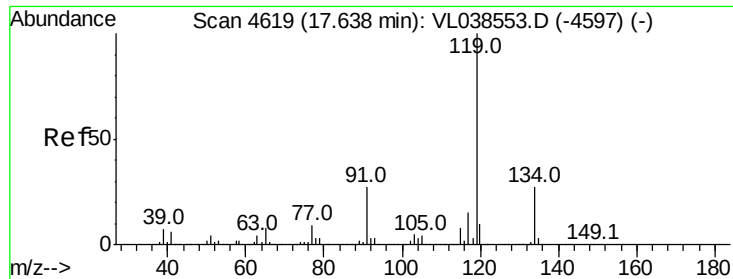


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

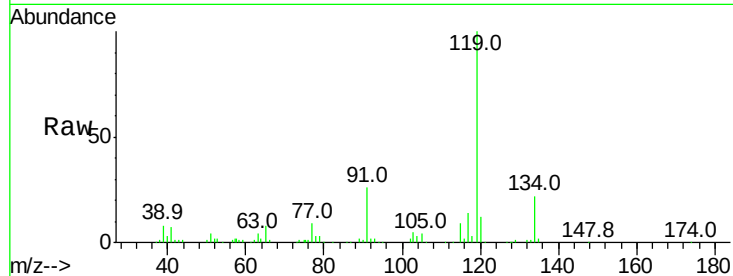
Ion 175.00 (174.70 to 175.70): V



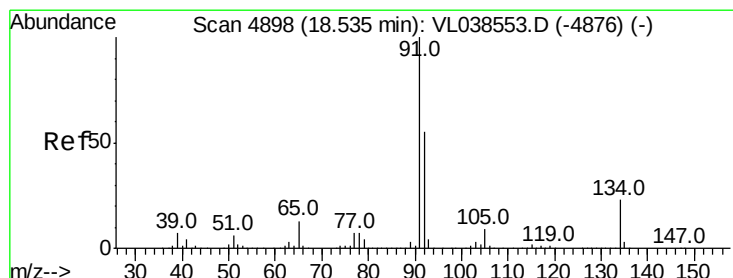
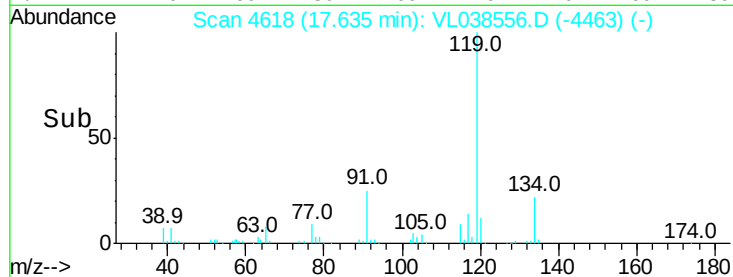
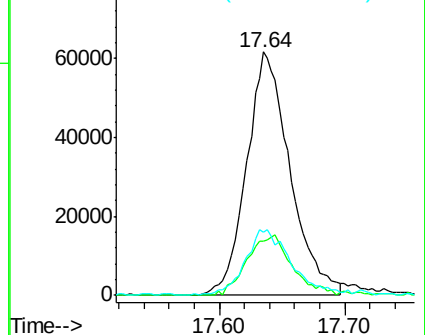


#69
 p-Isopropyltoluene
 Concen: 0.51 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC0.5
 Acq: 8 Mar 2022 13:03

Tgt Ion:	119	Resp:	148663
Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.9	31.3
91	29.4	21.1	31.7

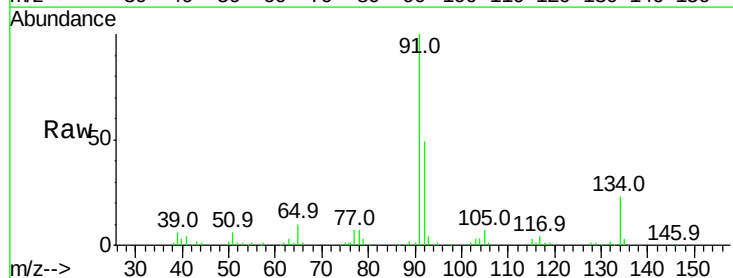


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

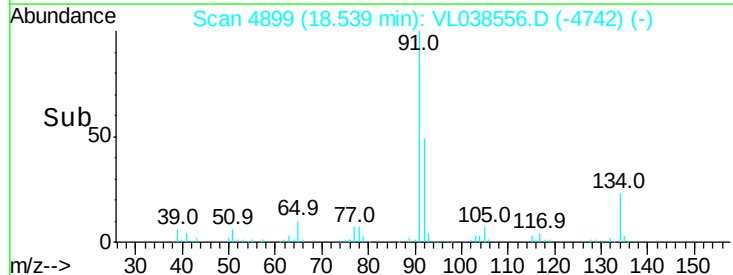
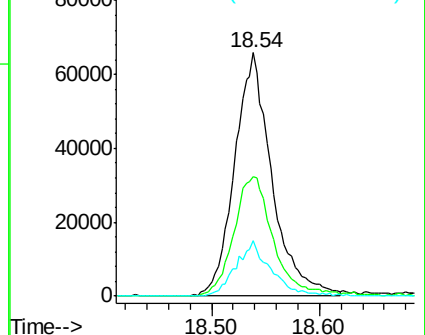


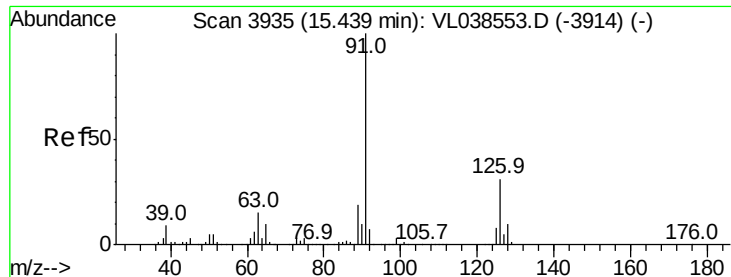
#70
 n-Butylbenzene
 Concen: 0.52 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T.: 0.00 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

Tgt Ion:	91	Resp:	158956
Ion	Ratio	Lower	Upper
91	100		
92	52.7	43.8	65.8
134	21.3	18.7	28.1



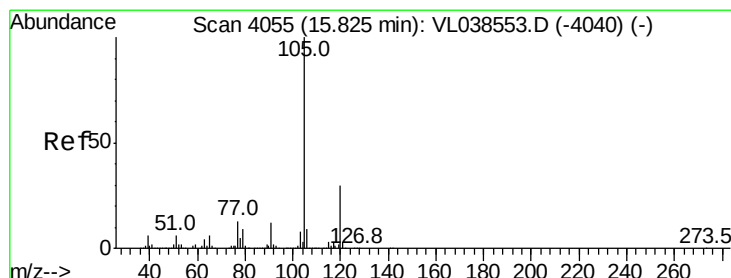
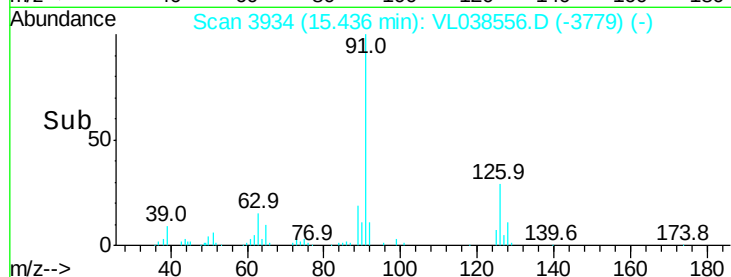
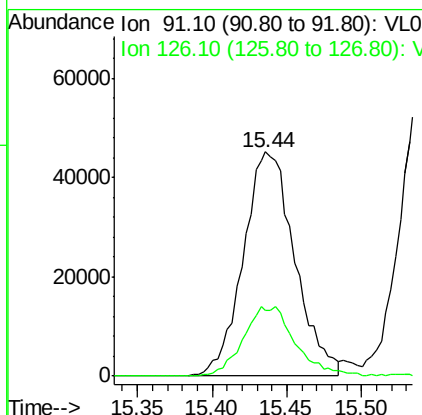
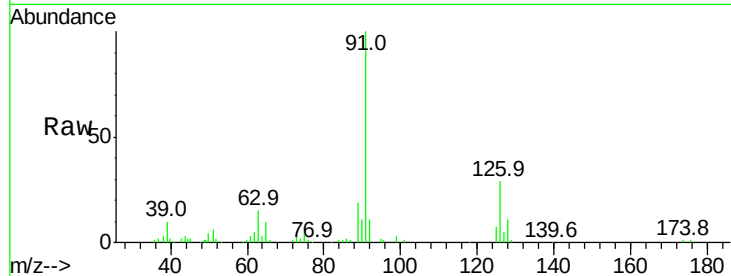
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





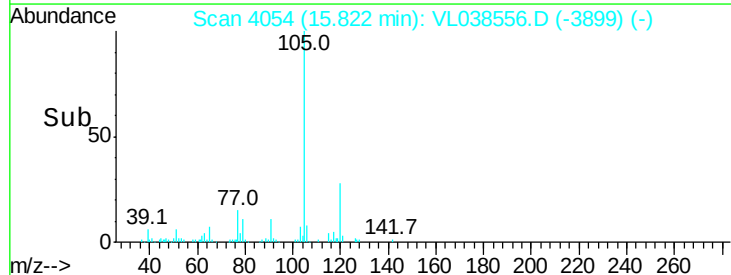
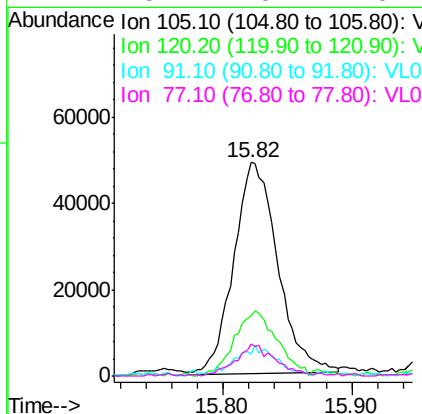
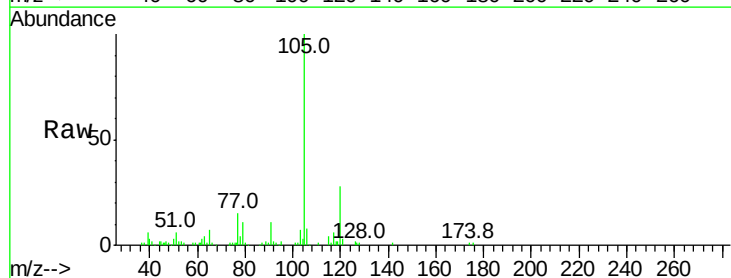
#71
 2-Chlorotoluene
 Concen: 0.46 ppbv
 RT: 15.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 8 Mar 2022 13:03

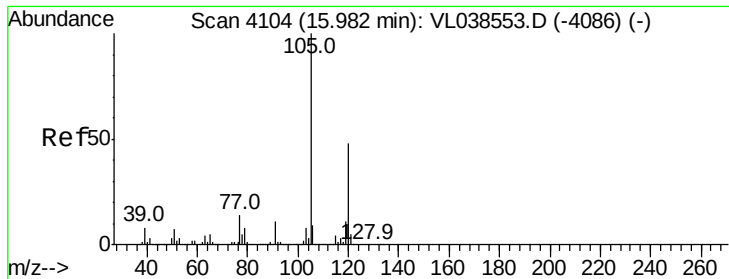
Tgt Ion: 91 Resp: 108032
 Ion Ratio Lower Upper
 91 100
 126 31.2 12.9 51.7



#72
 4-Ethyltoluene
 Concen: 0.46 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.00 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

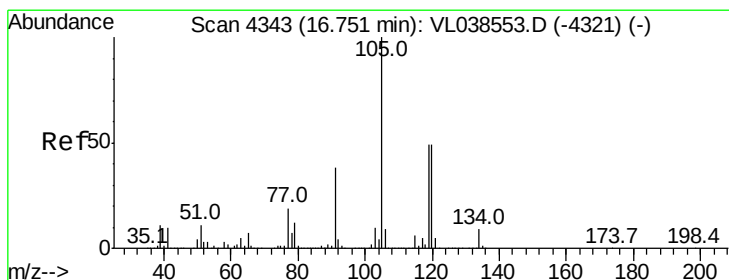
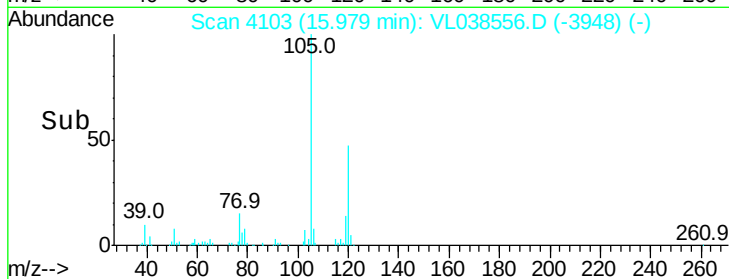
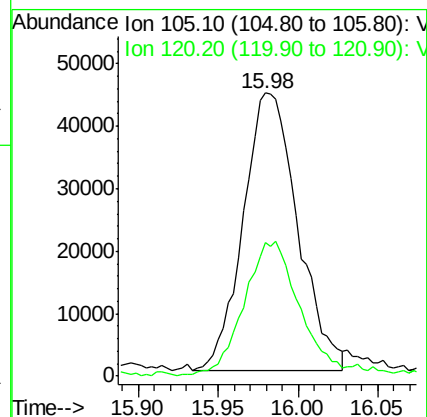
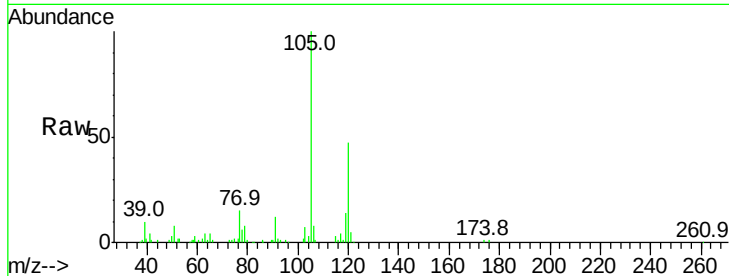
Tgt Ion: 105 Resp: 116477
 Ion Ratio Lower Upper
 105 100
 120 31.6 25.0 37.4
 91 14.0 9.8 14.6
 77 13.7 10.7 16.1





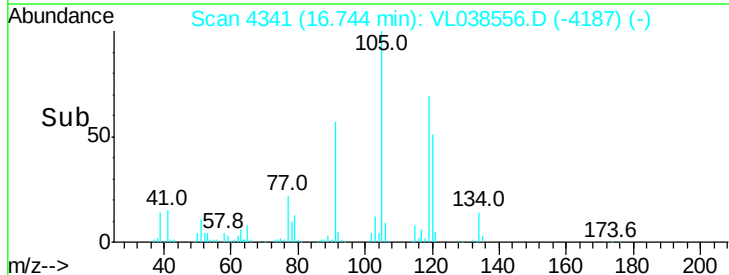
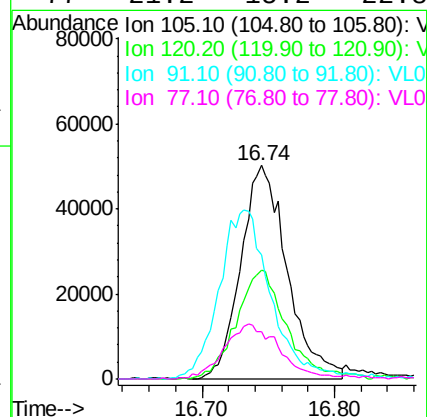
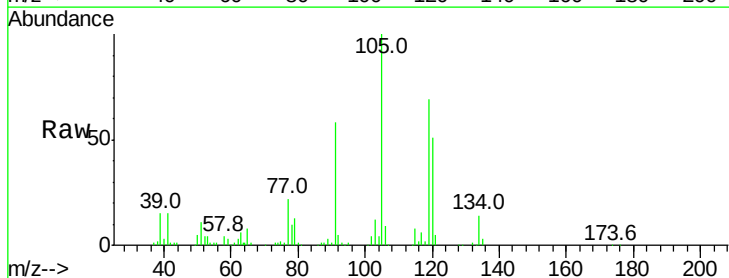
#73
 1,3,5-Trimethylbenzene
 Concen: 0.46 ppbv
 RT: 15.98 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDIC0.5
 Acq: 8 Mar 2022 13:03

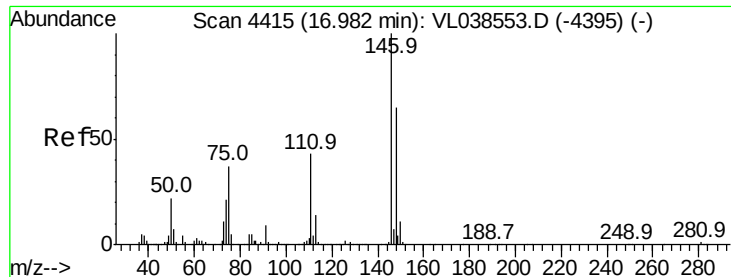
Tgt Ion:105 Resp: 104301
 Ion Ratio Lower Upper
 105 100
 120 47.5 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 0.51 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.01 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

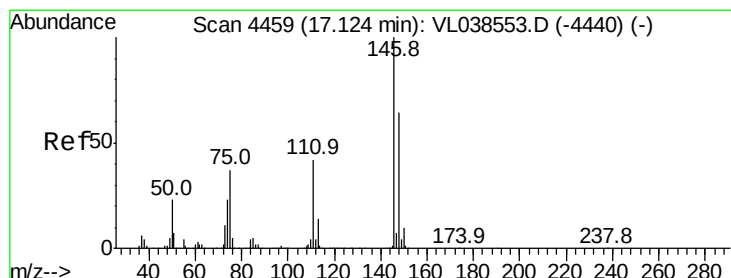
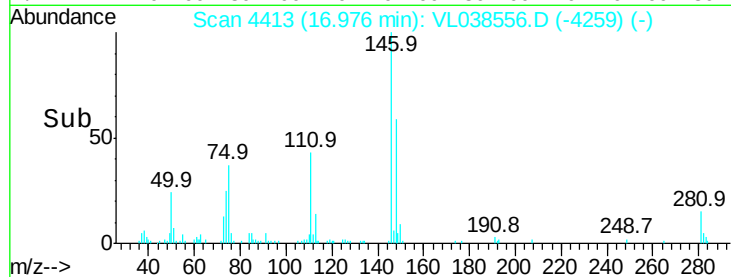
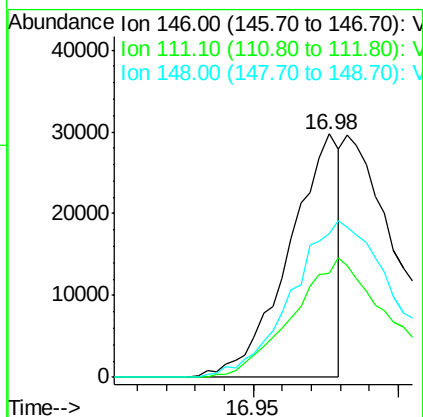
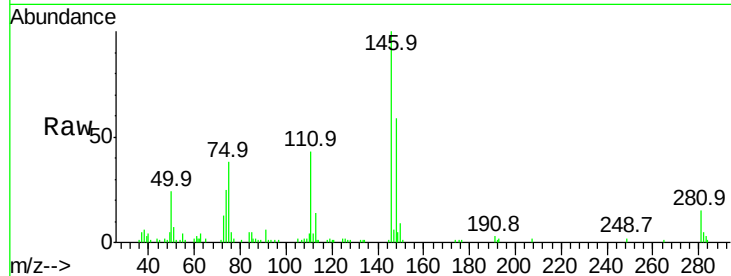
Tgt Ion:105 Resp: 122383
 Ion Ratio Lower Upper
 105 100
 120 49.9 38.9 58.3
 91 55.4 30.6 46.0#
 77 21.2 15.2 22.8





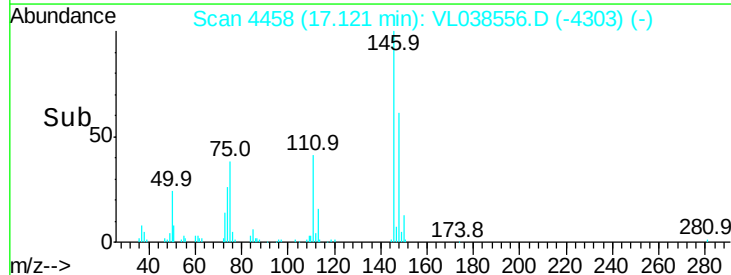
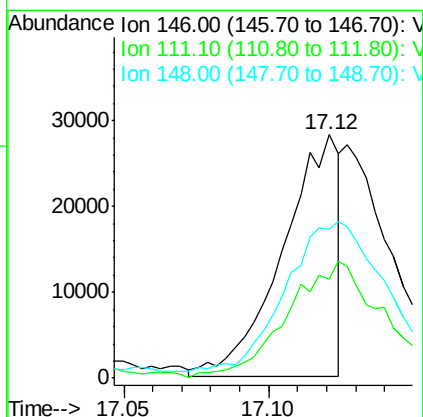
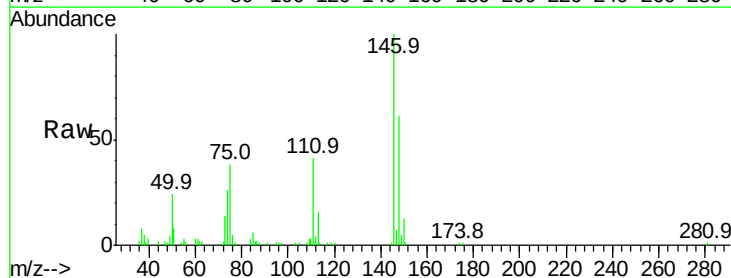
#75
 1,3-Dichlorobenzene
 Concen: 0.27 ppbv
 RT: 16.98
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VSTDIC0.5
 Acq: 8 Mar 2022 13:03

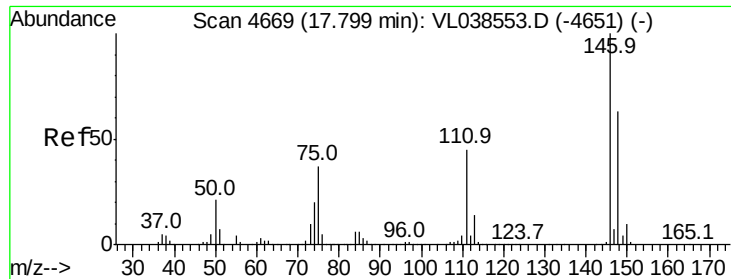
Tgt Ion:146 Resp: 36047
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.9 65.8#
 148 0.0 32.2 96.6#



#76
 1,4-Dichlorobenzene
 Concen: 0.29 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. -0.00 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

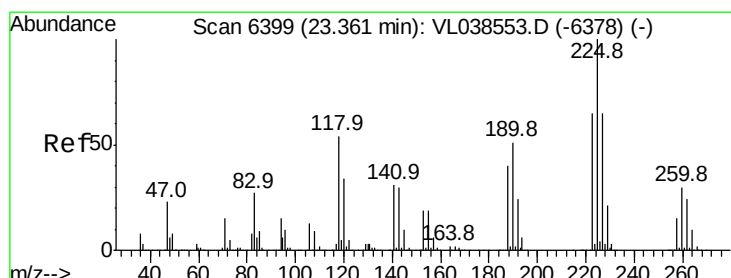
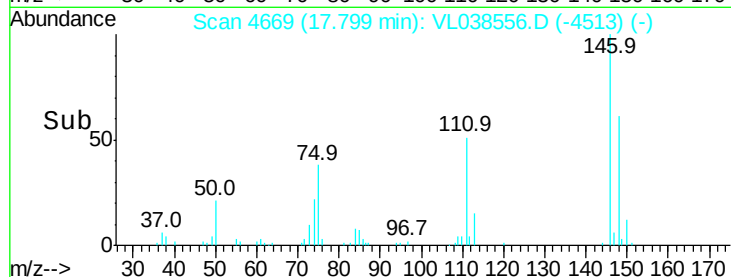
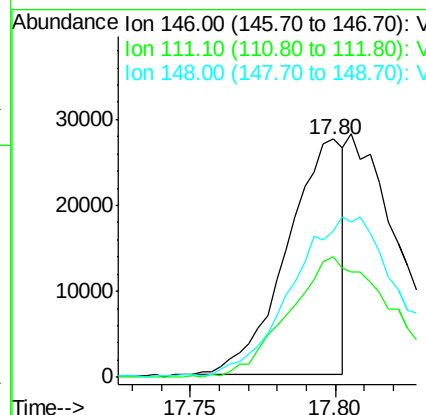
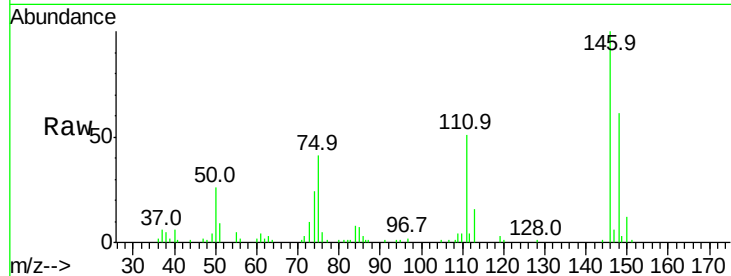
Tgt Ion:146 Resp: 38068
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.8 65.3#
 148 0.0 32.8 98.4#





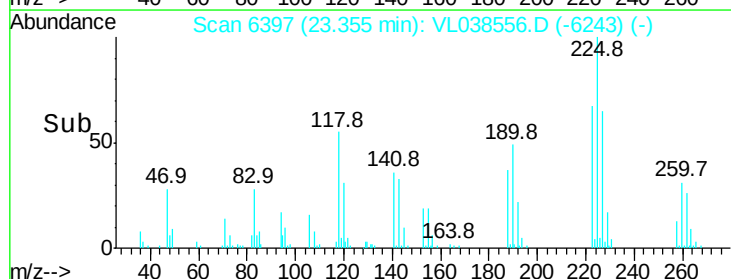
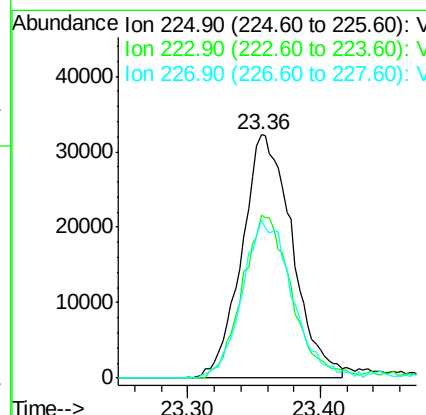
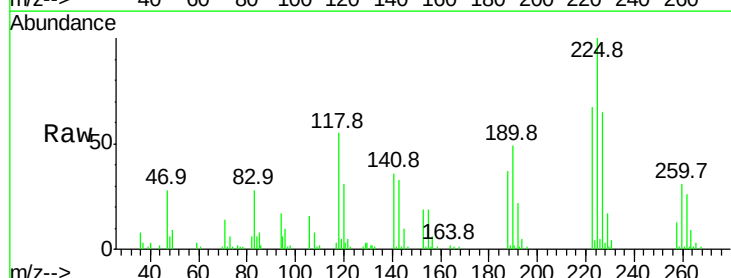
#77
 1,2-Dichlorobenzene
 Concen: 0.29 ppbv
 RT: 17.80
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 8 Mar 2022 13:03

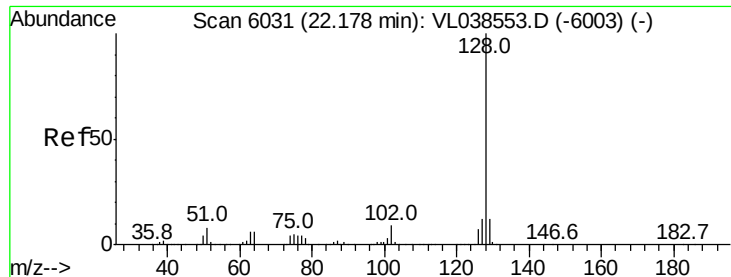
Tgt Ion:146 Resp: 37147
 Ion Ratio Lower Upper
 146 100
 111 97.8 23.2 69.5#
 148 0.0 32.6 98.0#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.86 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.01 min
 Lab File: VL038556.D
 Acq: 8 Mar 2022 13:03

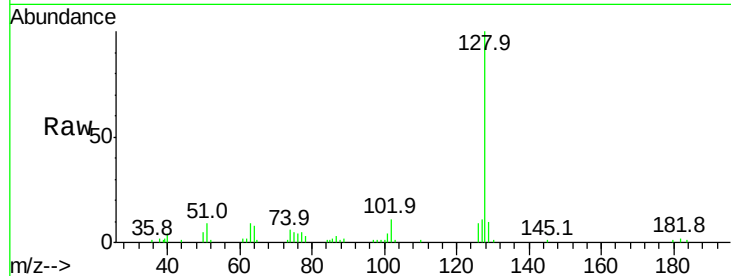
Tgt Ion:225 Resp: 85258
 Ion Ratio Lower Upper
 225 100
 223 66.2 51.4 77.0
 227 64.5 51.9 77.9



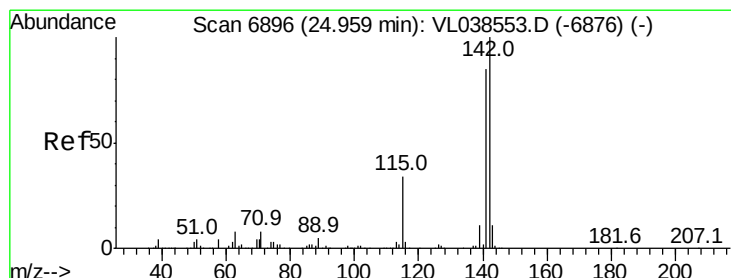
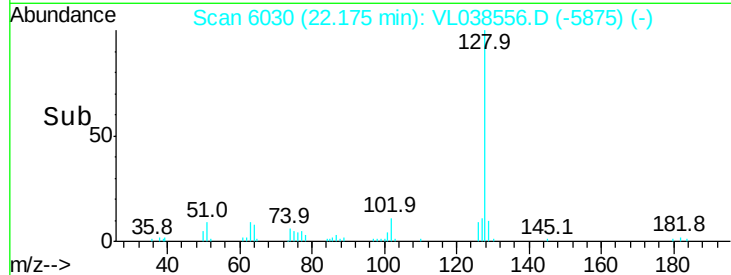
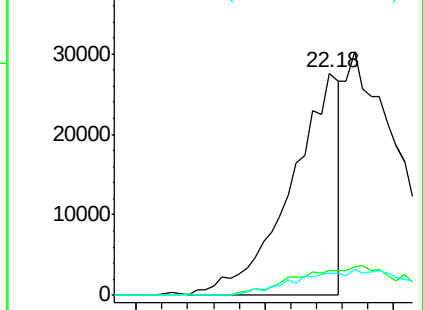


#79
Naphthalene
Concen: 0.28 ppbv
RT: 22.18 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 13:03

Tgt Ion:	128	Resp:	36291
Ion Ratio	Lower	Upper	
128	100		
127	10.4	9.9	14.9
129	9.9	9.3	13.9

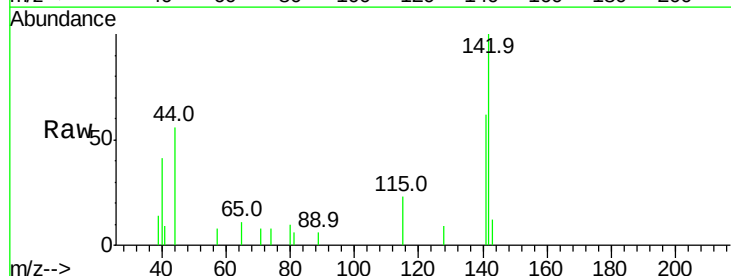


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

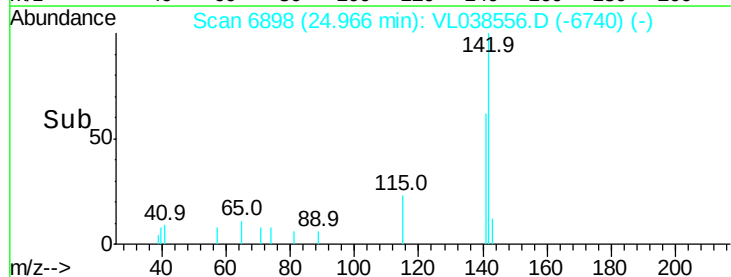
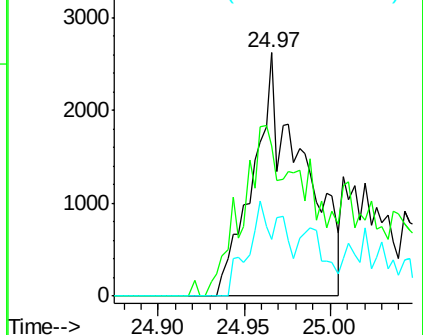


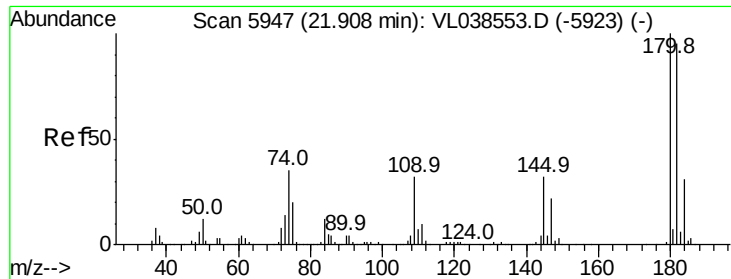
#80
Naphthalene, 2-methyl-
Concen: 0.21 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL038556.D
Acq: 8 Mar 2022 13:03

Tgt Ion:	142	Resp:	5246
Ion Ratio	Lower	Upper	
142	100		
141	104.1	68.4	102.6#
115	42.4	27.9	41.9#



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: 0.39 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 8 Mar 2022 13:05

Tgt Ion:180 Resp: 30865
 Ion Ratio Lower Upper
 180 100
 182 198.6 79.1 118.7#
 184 58.0 25.0 37.6#

