

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038184.D
 Acq On : 16 Dec 2021 11:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 05:07:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1071535	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2880032	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2727112	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2107556	10.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1466968	8.288 ppbv	99
3) Chlorodifluoromethane	2.99	51	1943682	8.638 ppbv	98
4) Chloromethane	3.14	50	670375	8.751 ppbv	100
5) Vinyl Chloride	3.26	62	667611	8.884 ppbv	99
6) Bromomethane	3.47	94	360843	8.963 ppbv	97
7) Chloroethane	3.56	64	226695	8.500 ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	1579503	8.971 ppbv	93
9) Propene	3.01	41	676107	8.158 ppbv	99
10) Heptane	8.12	43	1659395	8.102 ppbv	99
11) Trichlorofluoromethane	3.95	101	1566044	9.303 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1113237	9.349 ppbv	96
13) Ethanol	3.61	45	34806	4.346 ppbv #	58
14) Bromoethene	3.74	108	484383	9.084 ppbv	96
15) Acetone	3.84	43	823193	8.861 ppbv	98
16) 1,3-Butadiene	3.33	39	626446	8.643 ppbv	97
17) tert-Butyl alcohol	4.28	59	950222	8.432 ppbv	100
18) 1,1-Dichloroethene	4.29	96	496597	9.091 ppbv	96
19) Isopropyl Alcohol	3.96	45	548034	8.164 ppbv	100
20) Methylene Chloride	4.34	84	423367	8.136 ppbv	98
21) Allyl Chloride	4.41	41	729283	8.480 ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	510655	9.229 ppbv	96
23) Vinyl Acetate	5.07	43	1189101	8.842 ppbv	99
24) 1,1-Dichloroethane	5.01	63	1016734	9.079 ppbv	100
25) Ethyl Acetate	5.67	43	2558031	8.285 ppbv	99
26) Hexane	5.68	57	1177119	7.909 ppbv	98
27) Carbon Disulfide	4.55	76	1224110	9.182 ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1067181	8.442 ppbv	99
29) Chloroform	5.75	83	1917288	8.741 ppbv	98
30) Cyclohexane	7.12	84	1016396	7.523 ppbv	92
31) cis-1,2-Dichloroethene	5.55	61	1194050	8.434 ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	1842011	8.275 ppbv	97
34) 2-Butanone	5.24	43	1135114	9.775 ppbv	97
35) Carbon Tetrachloride	7.01	117	1932370	9.549 ppbv	97
36) Benzene	6.89	78	2515336	8.755 ppbv	97
37) 1,2-Dichloroethane	6.30	62	1462244	10.539 ppbv	96
38) Trichloroethene	7.83	130	905000	8.351 ppbv	95
39) 1,2-Dichloropropane	7.61	63	976488	8.861 ppbv	93
40) 1,4-Dioxane	7.83	88	242001	8.429 ppbv #	1
41) Tetrahydrofuran	6.04	42	643618	8.928 ppbv	96
42) Bromodichloromethane	7.78	83	2113579	10.020 ppbv	99
43) Methyl Methacrylate	8.01	69	947966	9.645 ppbv	93

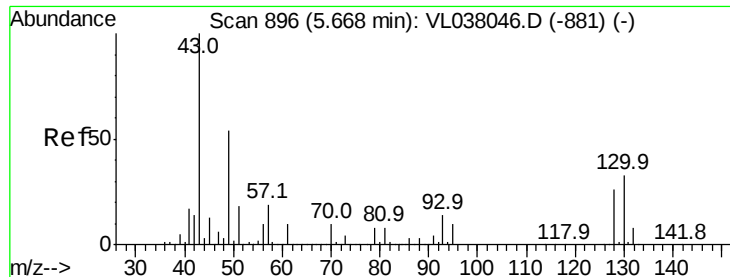
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121621\
 Data File : VL038184.D
 Acq On : 16 Dec 2021 11:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 05:07:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4166572	8.669	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	855623	10.853	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1078027	10.110	ppbv	94
47) 1,1,2-Trichloroethane	9.47	97	1005375	8.711	ppbv	96
48) Dibromochloromethane	10.30	129	1707442	9.714	ppbv	99
49) Bromoform	13.03	173	1289159	10.252	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	1800545	10.209	ppbv	96
51) 2-Hexanone	10.13	43	891329	10.742	ppbv #	94
52) Tetrachloroethene	11.22	164	824771	7.759	ppbv	98
53) Toluene	9.80	91	2838518	8.587	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1480149	9.079	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1096929	8.860	ppbv	96
57) Chlorobenzene	12.14	112	2027471	8.295	ppbv	95
58) Ethyl Benzene	12.70	91	3755243	8.331	ppbv	96
59) m/p-Xylene	12.99	91	3459329	9.117	ppbv #	51
60) o-Xylene	13.69	91	3002691	8.531	ppbv	94
61) Styrene	13.52	104	1582742	8.387	ppbv	94
62) Isopropylbenzene	14.66	105	3975069	7.956	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2184278	8.354	ppbv	100
64) n-propylbenzene	15.55	120	1046293	8.220	ppbv	90
65) tert-Butylbenzene	16.73	119	3501120	7.954	ppbv	96
66) Benzyl Chloride	16.98	91	202995	9.099	ppbv	94
67) sec-Butylbenzene	17.28	105	4928056	8.035	ppbv	100
69) p-Isopropyltoluene	17.64	119	4019361	8.377	ppbv	97
70) n-Butylbenzene	18.54	91	4219381	9.197	ppbv	98
71) 2-Chlorotoluene	15.45	91	3075401	8.419	ppbv	97
72) 4-Ethyltoluene	15.83	105	3507977	8.596	ppbv	97
73) 1,3,5-Trimethylbenzene	15.99	105	3103443	8.326	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	3244166	8.446	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	1837968	8.712	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1783620	8.401	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	1756765	8.600	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1052658	8.253	ppbv	100
79) Naphthalene	22.18	128	2034547	10.058	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	493549	11.385	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1128389	9.708	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 11:10

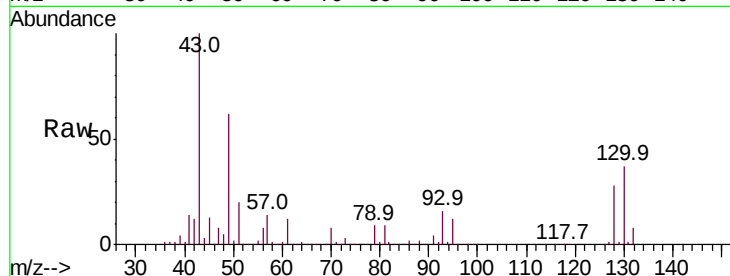
Tot Ion: 49 Resp: 1071535

Ion Ratio Lower Upper

49 100

128 49.5 26.5 79.5

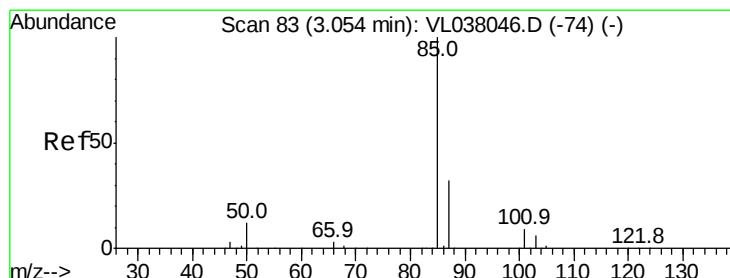
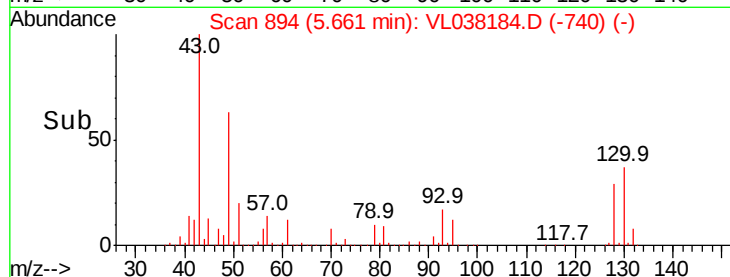
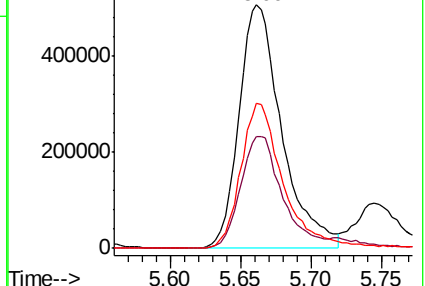
130 60.7 32.5 97.4



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: 8.288 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038184.D

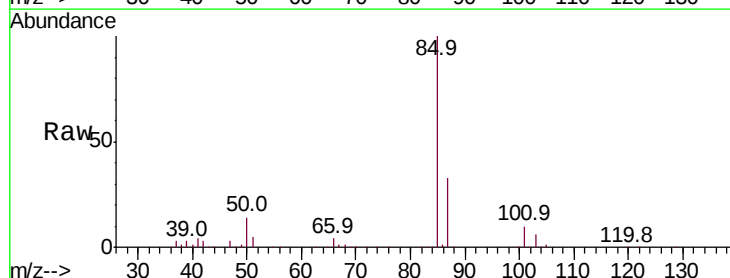
Acq: 16 Dec 2021 11:10

Tgt Ion: 85 Resp: 1466968

Ion Ratio Lower Upper

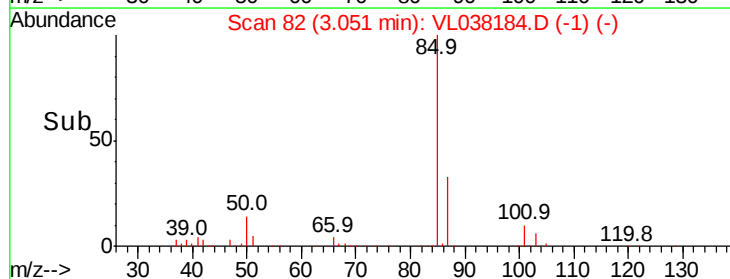
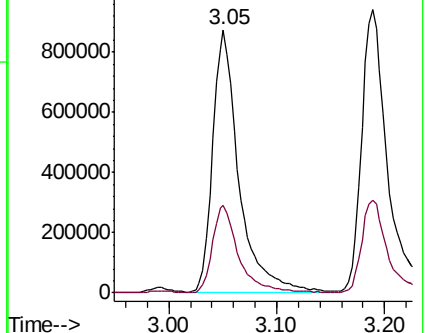
85 100

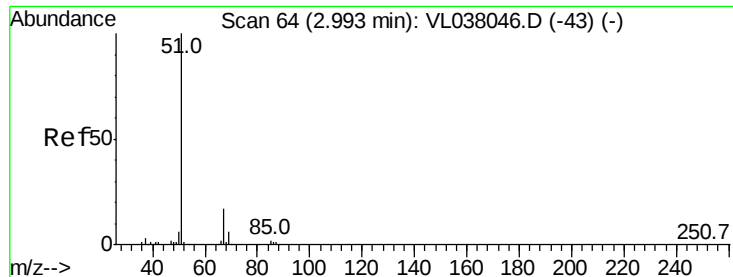
87 33.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.638 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

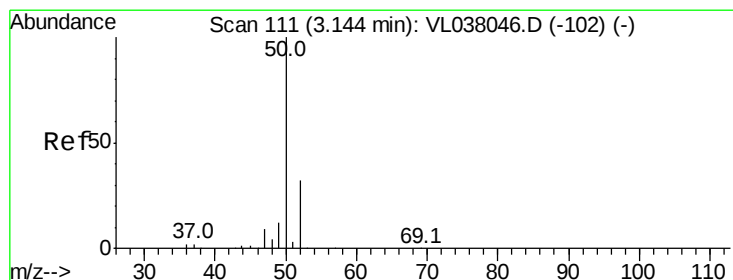
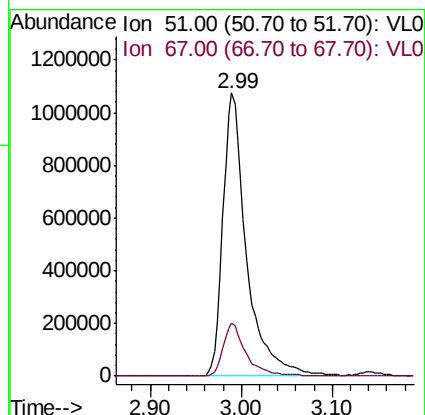
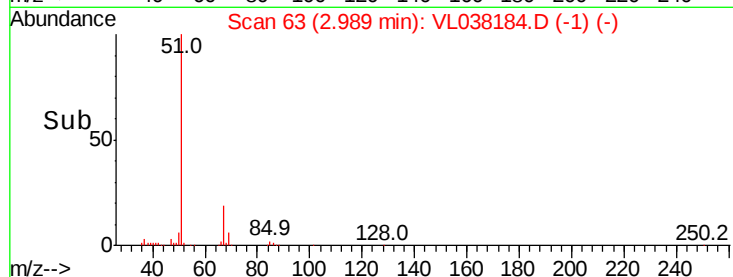
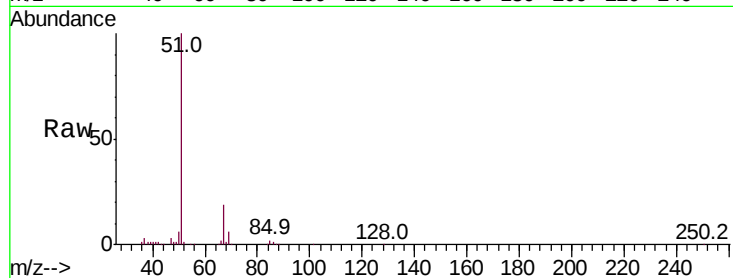
Acq: 16 Dec 2021 11:10

Tot Ion: 51 Resp: 1943682

Ion Ratio Lower Upper

51 100

67 18.2 13.8 20.8



#4

Chloromethane

Concen: 8.751 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038184.D

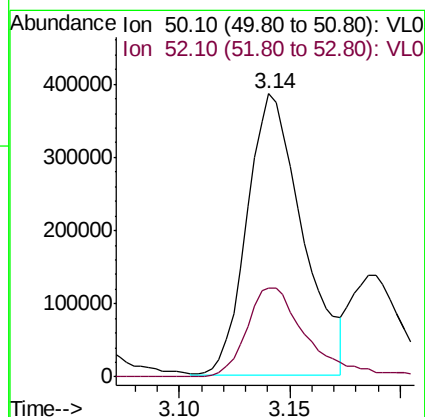
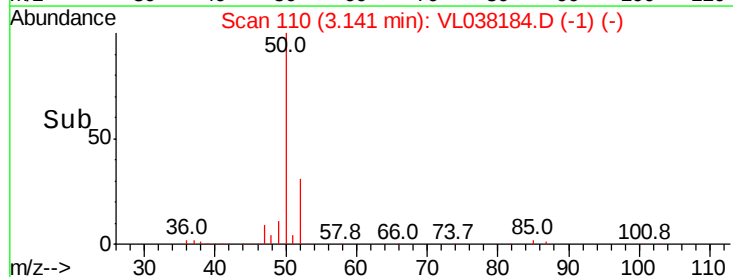
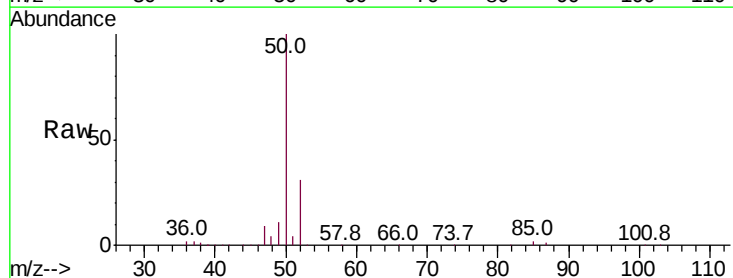
Acq: 16 Dec 2021 11:10

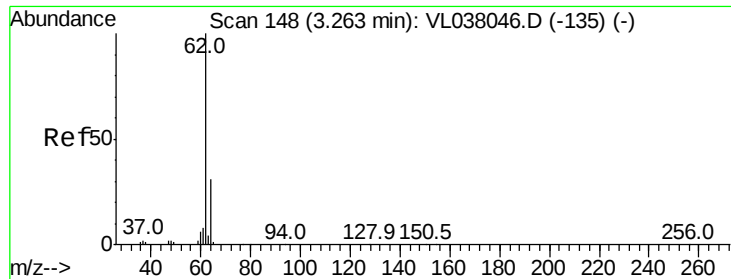
Tgt Ion: 50 Resp: 670375

Ion Ratio Lower Upper

50 100

52 31.5 25.4 38.0





#5

Vinyl Chloride

Concen: 8.884 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

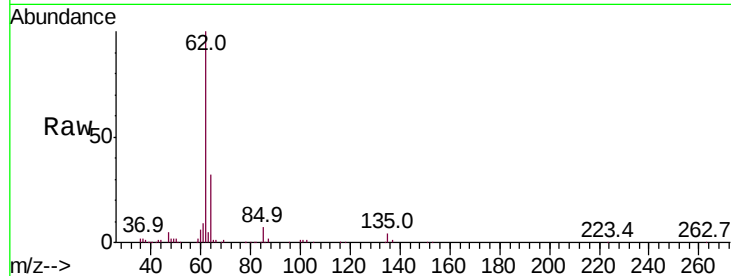
Acq: 16 Dec 2021 11:10

Tot Ion: 62 Resp: 667611

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

400000

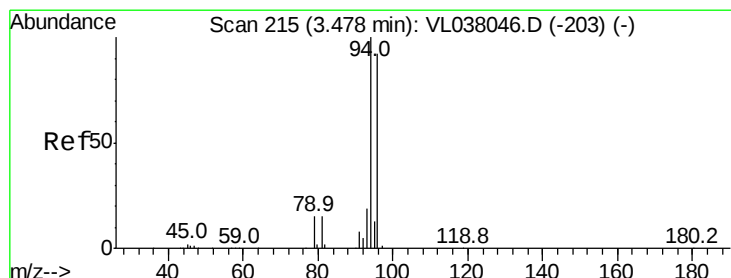
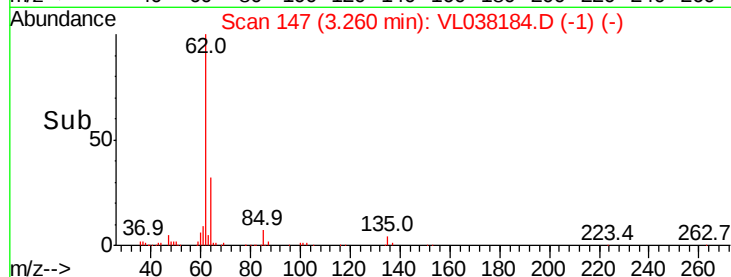
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.963 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL038184.D

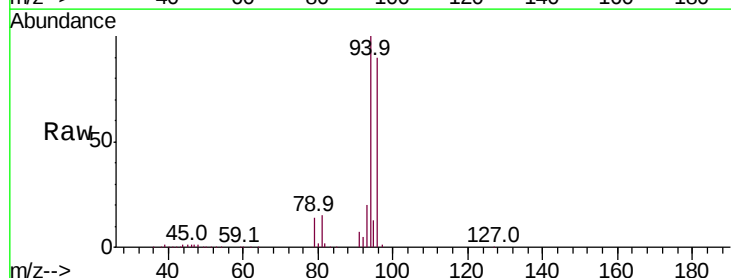
Acq: 16 Dec 2021 11:10

Tgt Ion: 94 Resp: 360843

Ion Ratio Lower Upper

94 100

96 89.2 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

200000

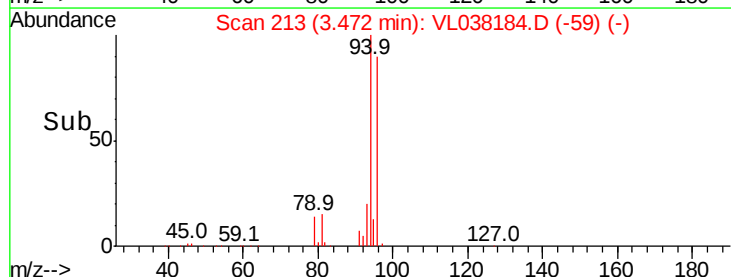
150000

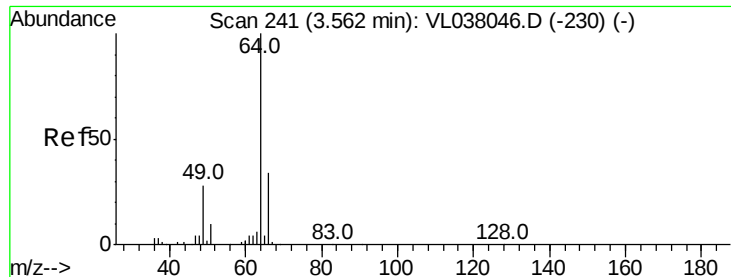
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.500 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

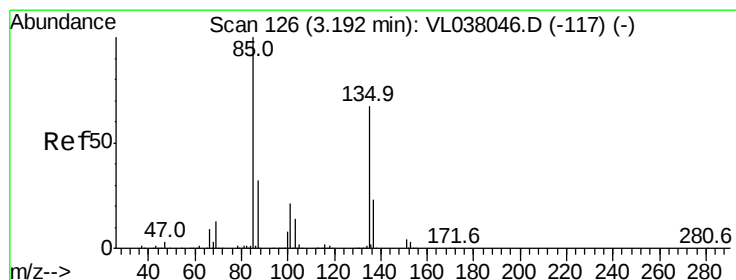
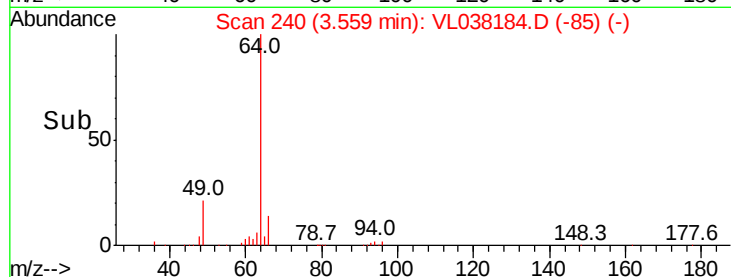
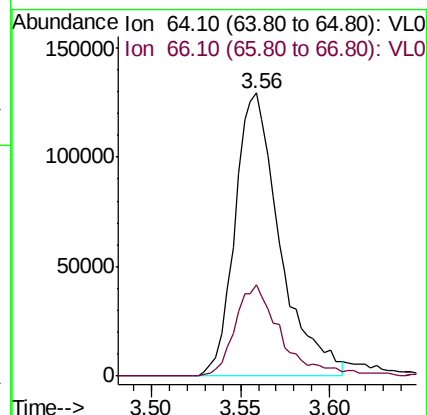
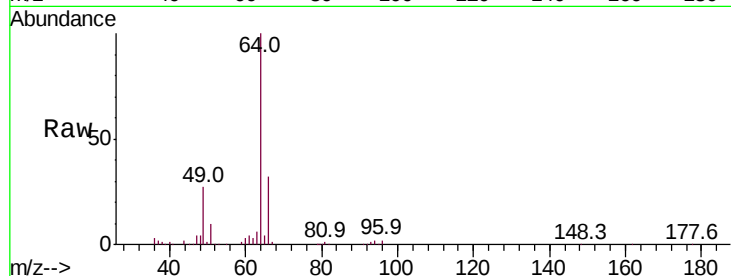
Acq: 16 Dec 2021 11:10

Tot Ion: 64 Resp: 226695

Ion Ratio Lower Upper

64 100

66 32.1 27.2 40.8



#8

Dichlorotetrafluoroethane

Concen: 8.971 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL038184.D

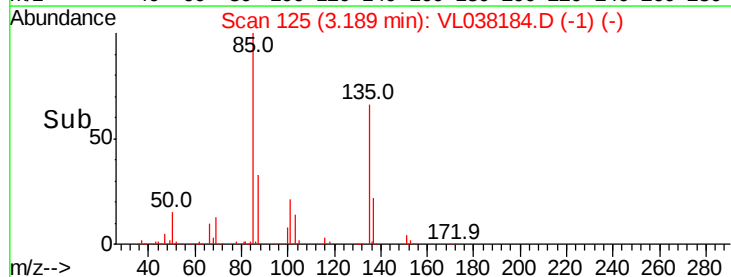
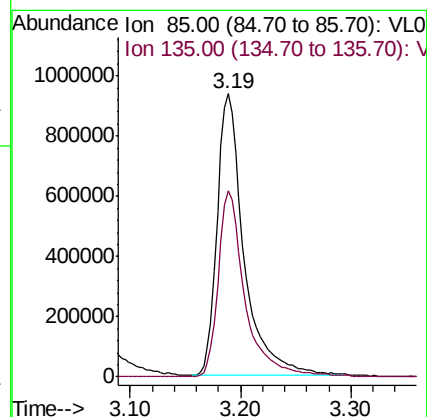
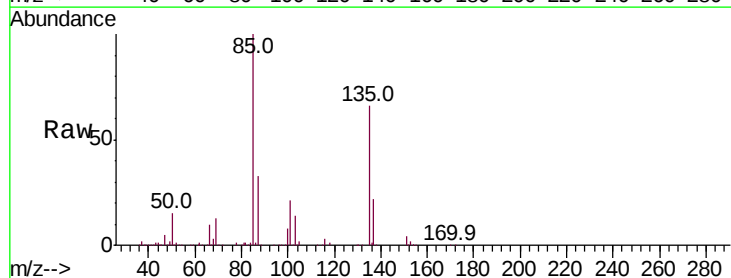
Acq: 16 Dec 2021 11:10

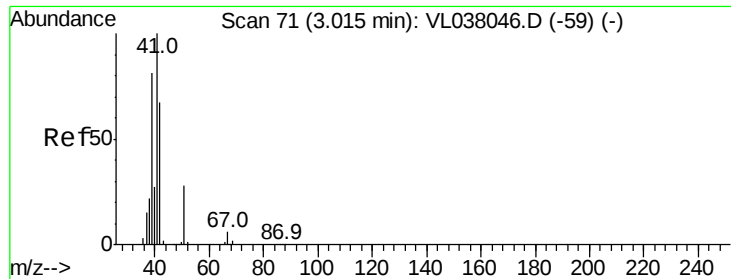
Tgt Ion: 85 Resp: 1579503

Ion Ratio Lower Upper

85 100

135 66.6 57.9 86.9





#9

Propene

Concen: 8.158 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

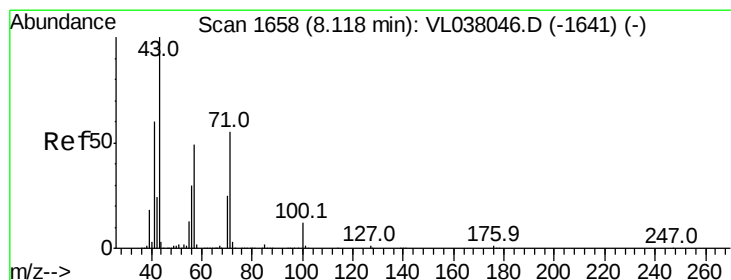
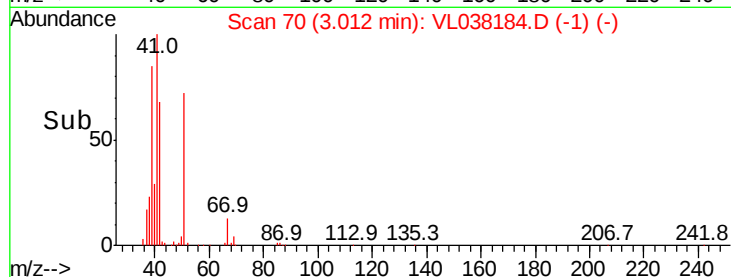
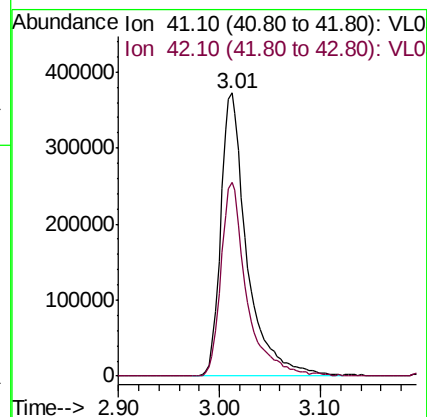
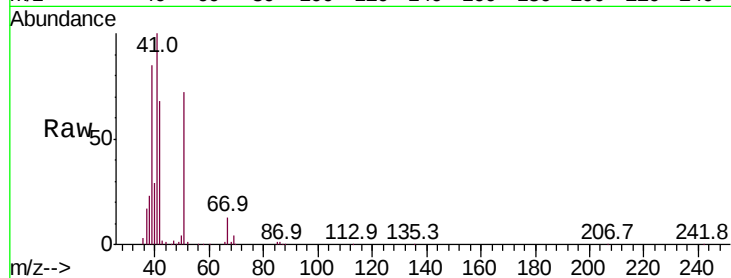
Acq: 16 Dec 2021 11:10

Tot Ion: 41 Resp: 676107

Ion Ratio Lower Upper

41 100

42 67.8 53.8 80.8



#10

Heptane

Concen: 8.102 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL038184.D

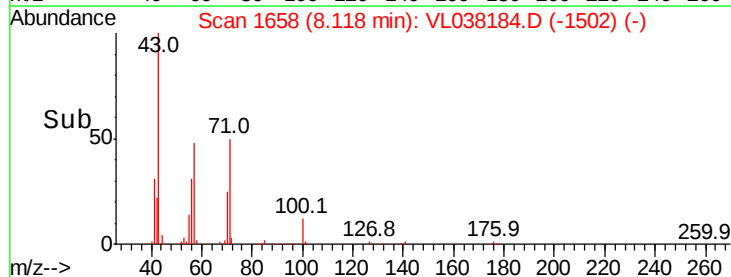
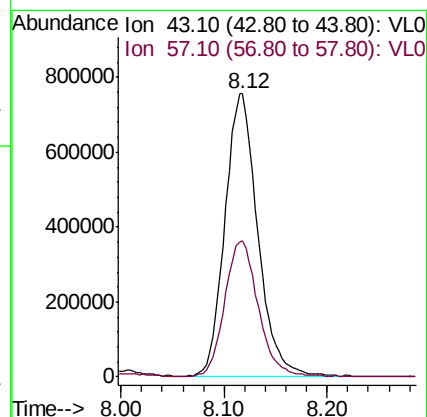
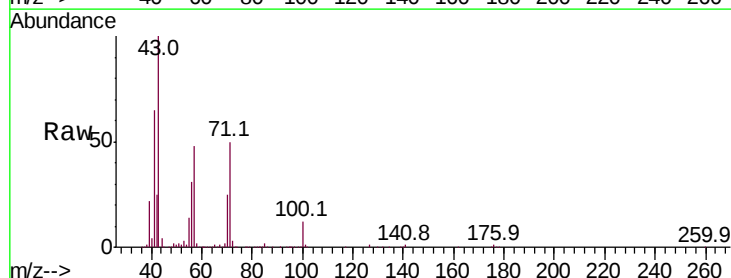
Acq: 16 Dec 2021 11:10

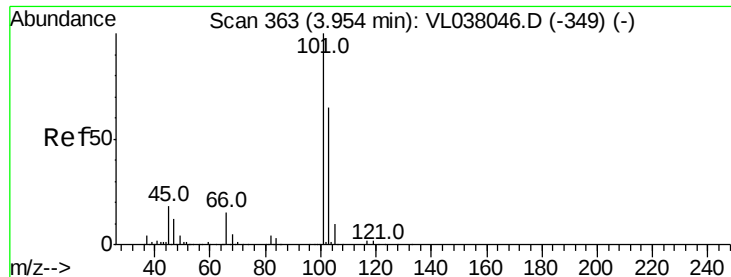
Tgt Ion: 43 Resp: 1659395

Ion Ratio Lower Upper

43 100

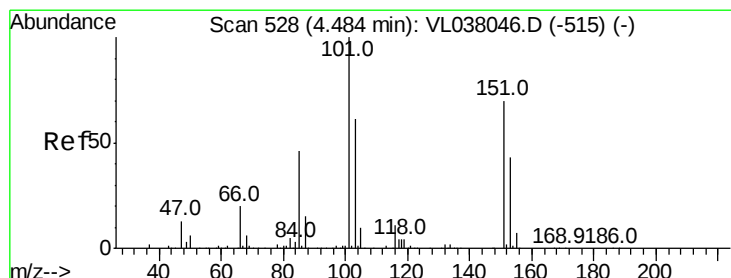
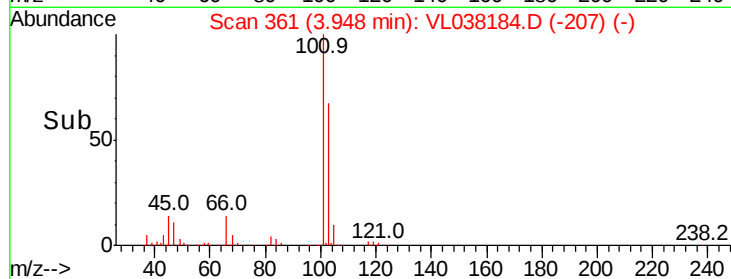
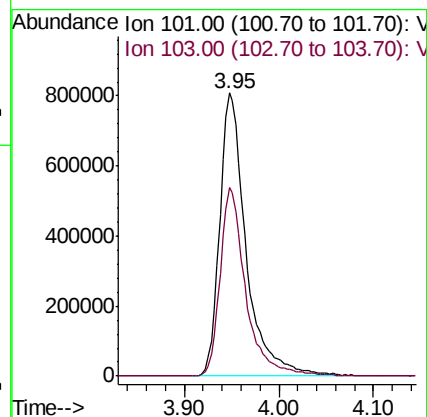
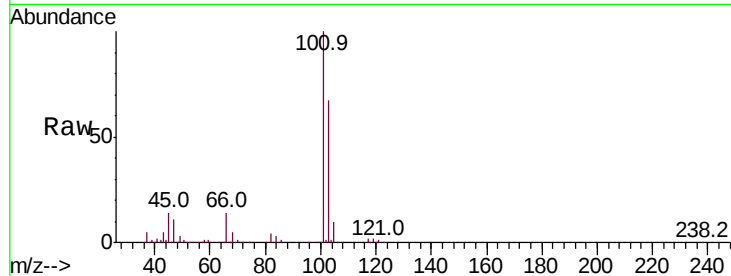
57 49.5 40.4 60.6





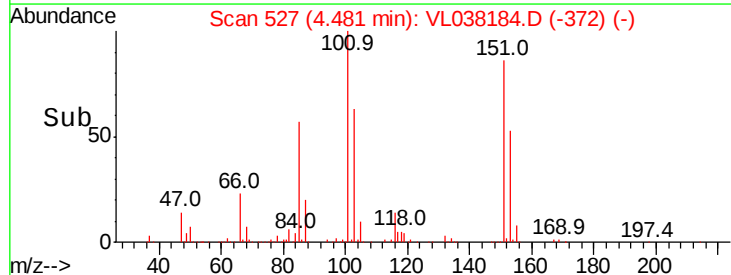
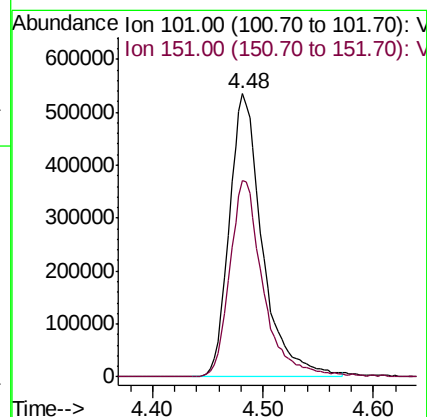
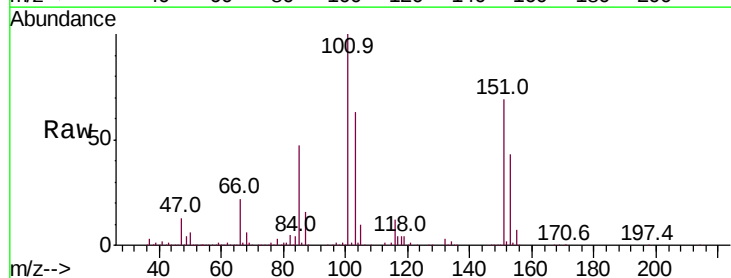
#11
 Trichlorofluoromethane
 Concen: 9.303 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 11:10

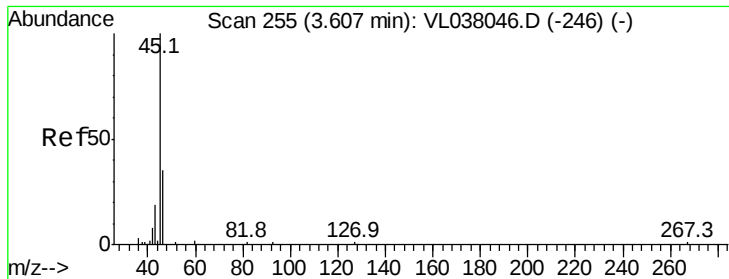
Tot Ion:101 Resp: 1566044
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.349 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T.: -0.00 min
 Lab File: VL038184.D
 Acq: 16 Dec 2021 11:10

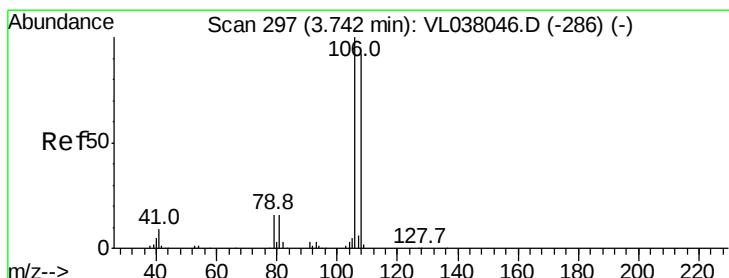
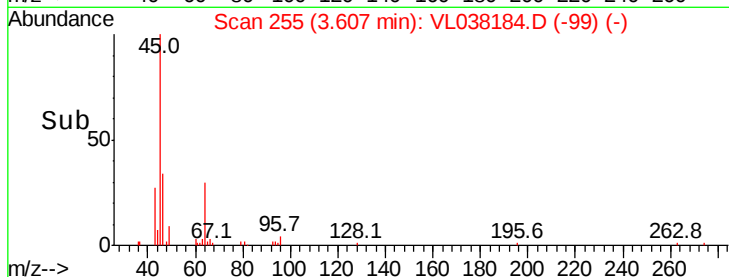
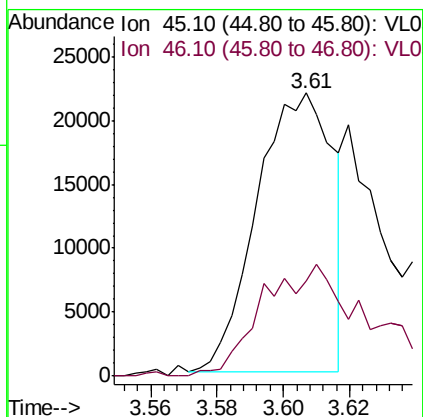
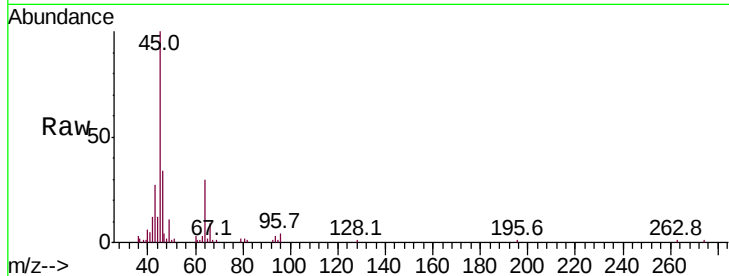
Tgt Ion:101 Resp: 1113237
 Ion Ratio Lower Upper
 101 100
 151 70.3 59.0 88.4





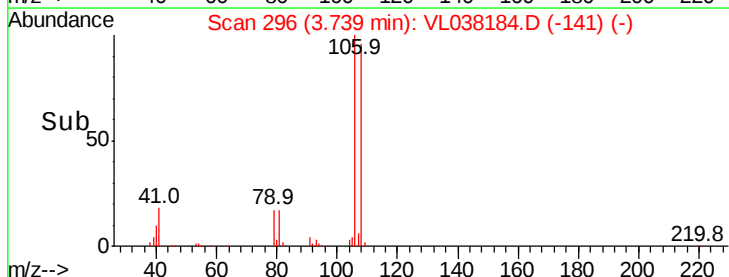
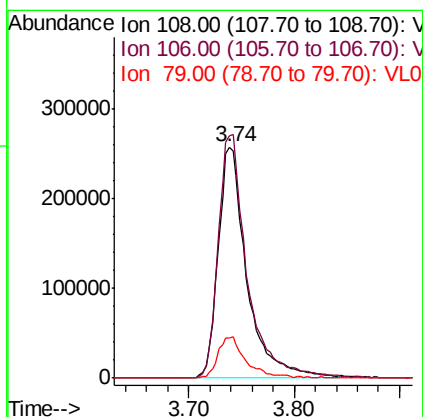
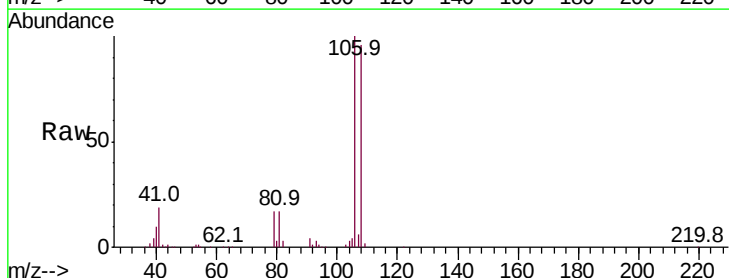
#13
Ethanol
Concen: 4.346 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 16 Dec 2021 11:10

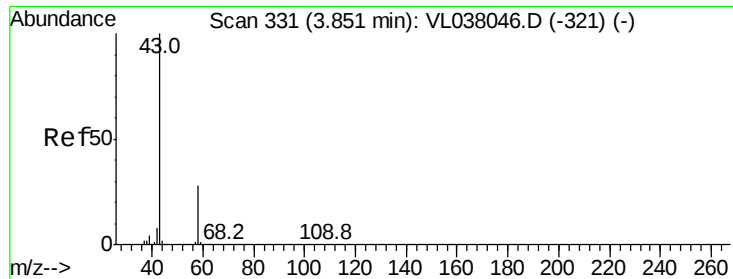
Tot Ion: 45 Resp: 34806
Ion Ratio Lower Upper
45 100
46 71.1 17.6 70.2#



#14
Bromoethene
Concen: 9.084 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL038184.D
Acq: 16 Dec 2021 11:10

Tgt Ion: 108 Resp: 484383
Ion Ratio Lower Upper
108 100
106 107.0 89.4 134.0
79 18.2 14.1 21.1





#15

Acetone

Concen: 8.861 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

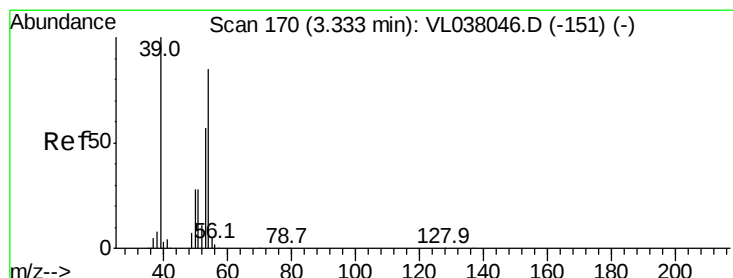
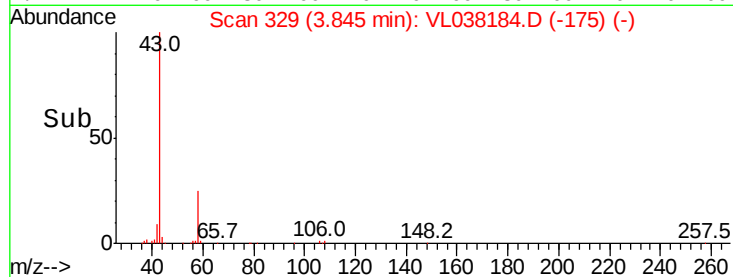
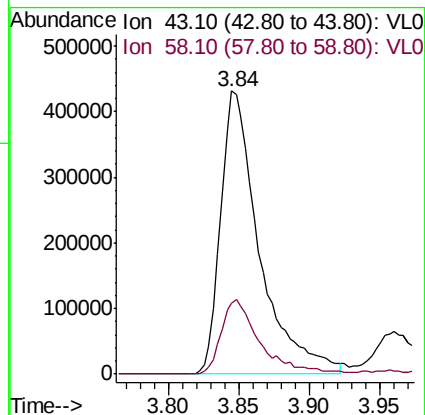
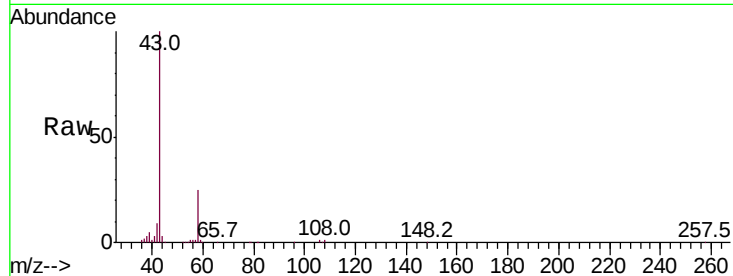
Acq: 16 Dec 2021 11:10

Tot Ion: 43 Resp: 823193

Ion Ratio Lower Upper

43 100

58 26.8 22.4 33.6



#16

1,3-Butadiene

Concen: 8.643 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.01 min

Lab File: VL038184.D

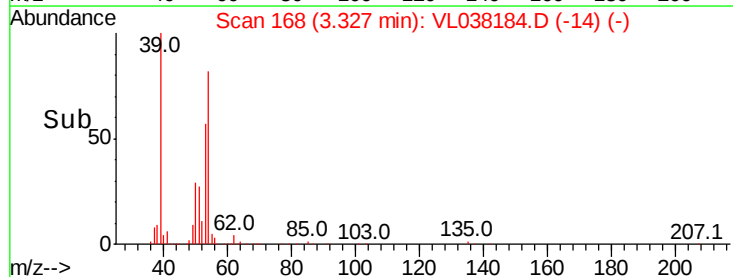
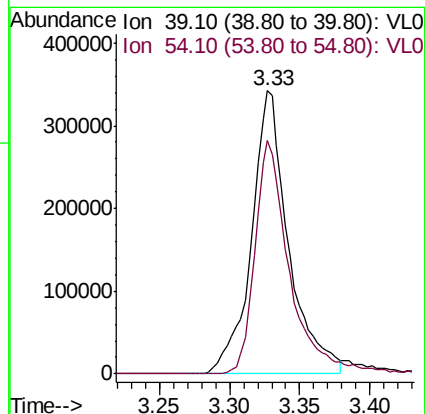
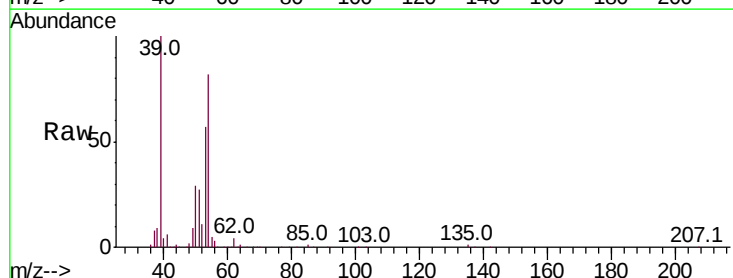
Acq: 16 Dec 2021 11:10

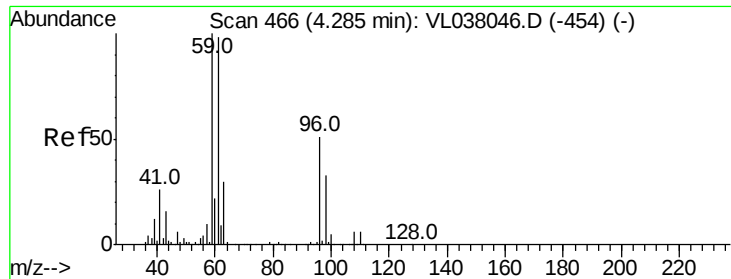
Tgt Ion: 39 Resp: 626446

Ion Ratio Lower Upper

39 100

54 78.2 64.4 96.6





#17

tert-Butyl alcohol

Concen: 8.432 ppbv

RT: 4.28

Instrument: MSVOA_1

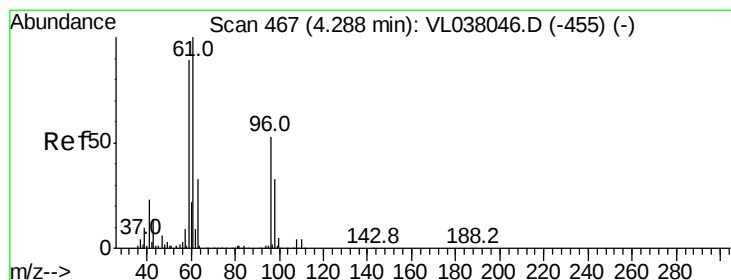
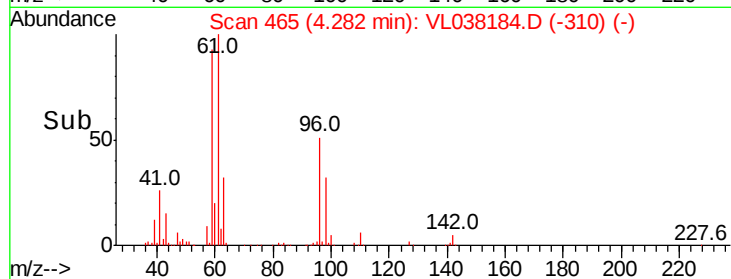
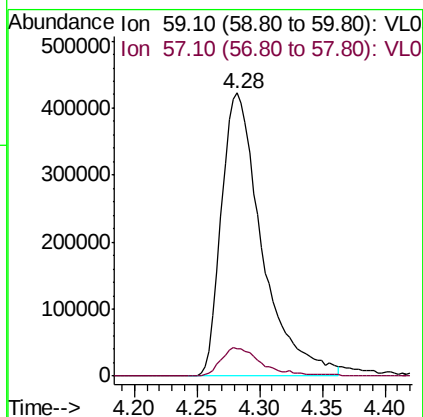
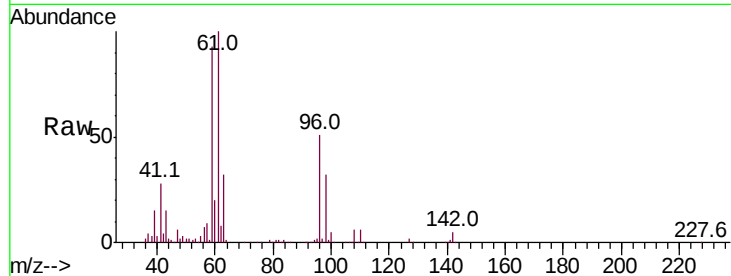
Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Dec 2021 11:10

Tot Ion: 59 Resp: 950222

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	13.0



#18

1,1-Dichloroethene

Concen: 9.091 ppbv

RT: 4.29 min Scan# 466

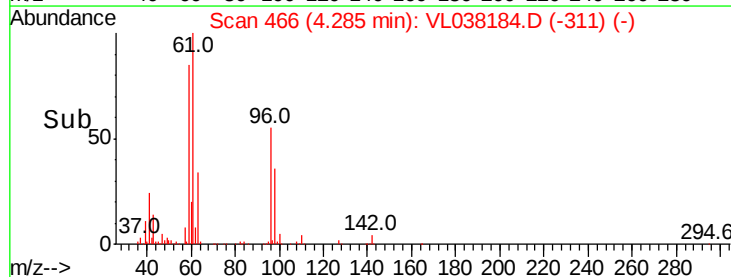
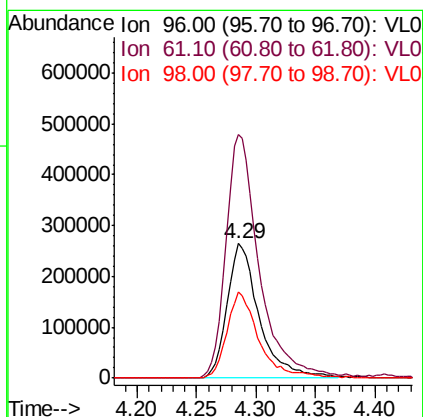
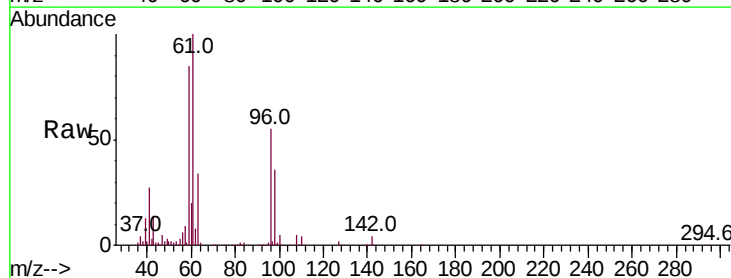
Delta R.T. -0.00 min

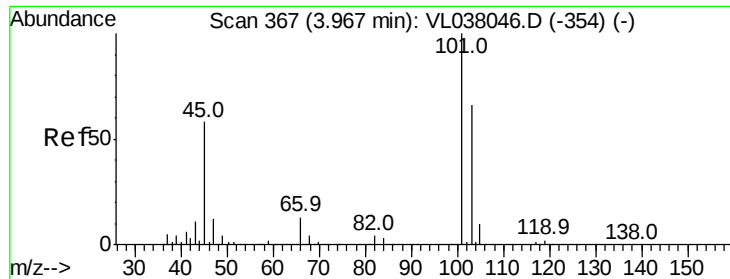
Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

Tgt Ion: 96 Resp: 496597

Ion	Ratio	Lower	Upper
96	100		
61	181.0	149.8	224.8
98	64.4	50.2	75.2





#19

Isopropyl Alcohol

Concen: 8.164 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

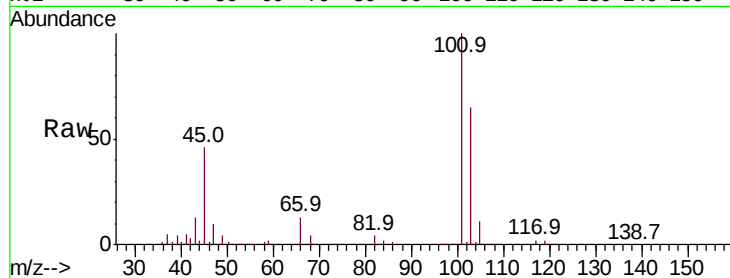
Acq: 16 Dec 2021 11:10

Tot Ion: 45 Resp: 548034

Ion Ratio Lower Upper

45 100

58 1.8 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

250000

200000

150000

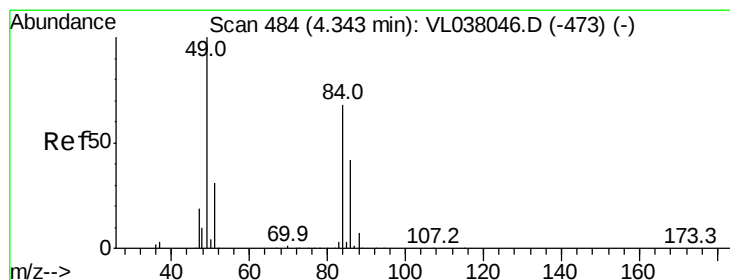
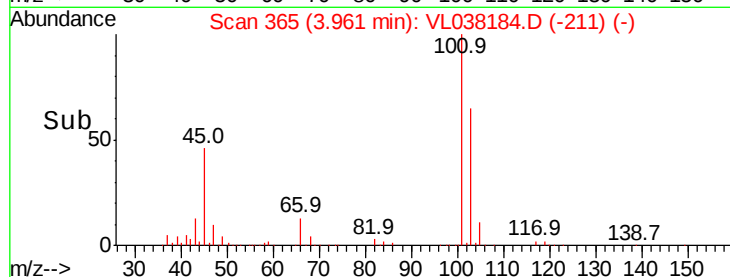
100000

50000

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 8.136 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

Tgt Ion: 84 Resp: 423367

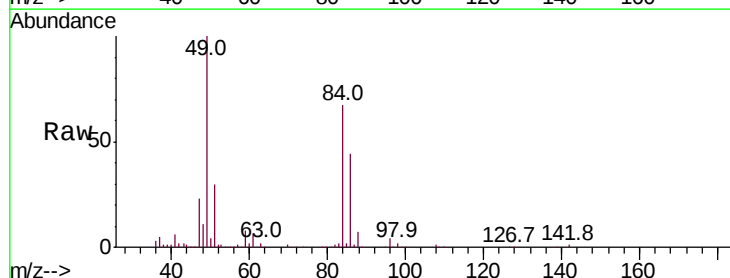
Ion Ratio Lower Upper

84 100

49 147.1 118.2 177.2

51 44.5 36.8 55.2

86 66.0 49.0 73.6



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

500000

400000

300000

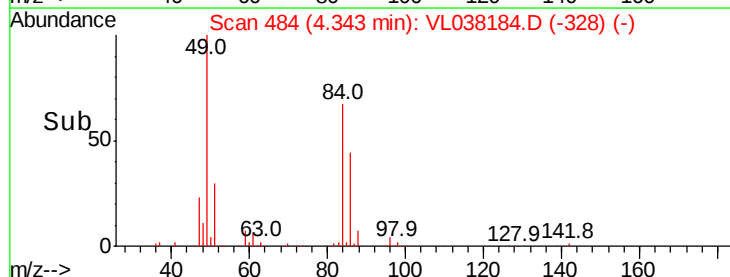
200000

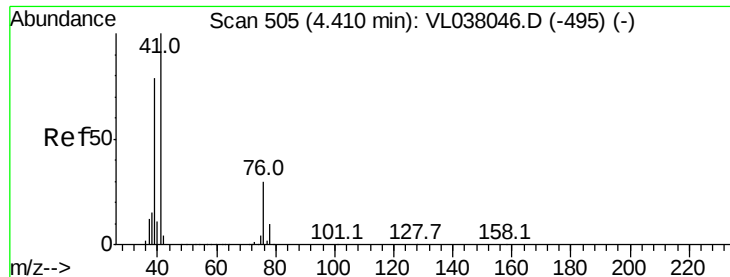
100000

0

4.25 4.30 4.35 4.40 4.45

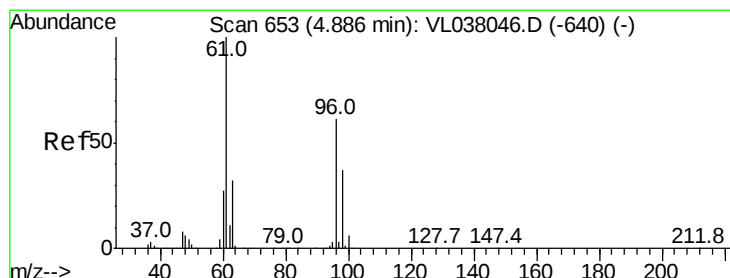
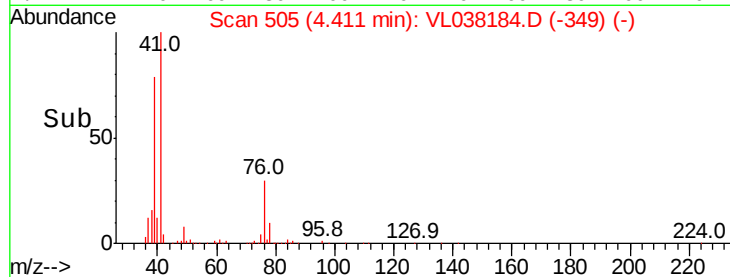
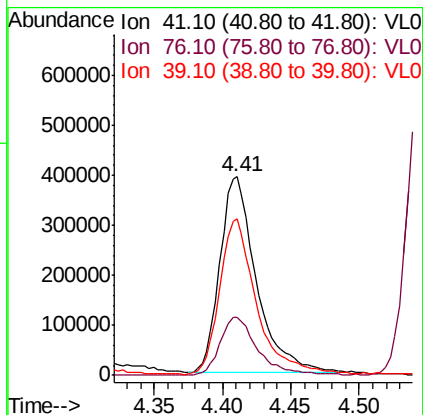
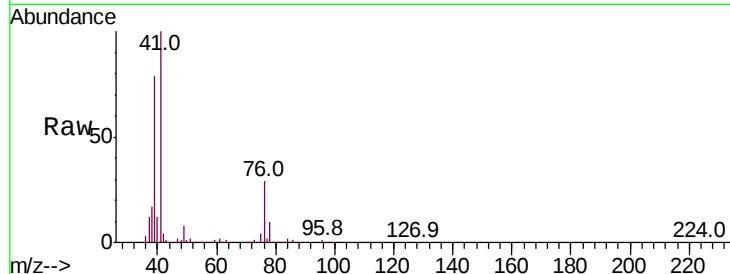
Time-->





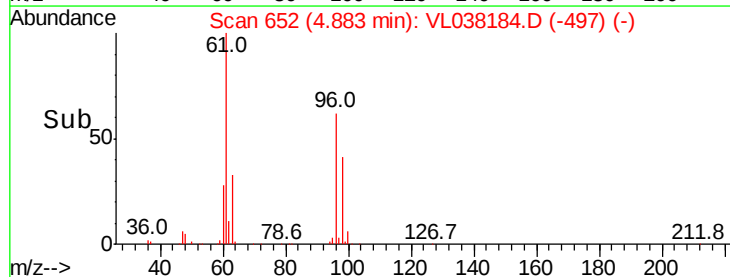
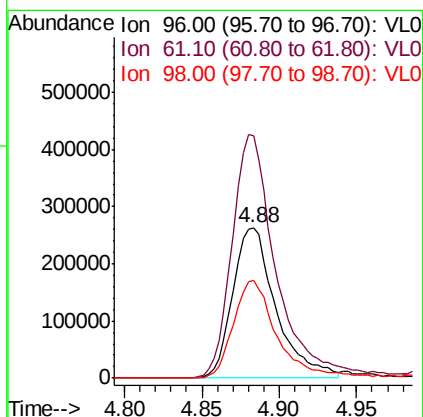
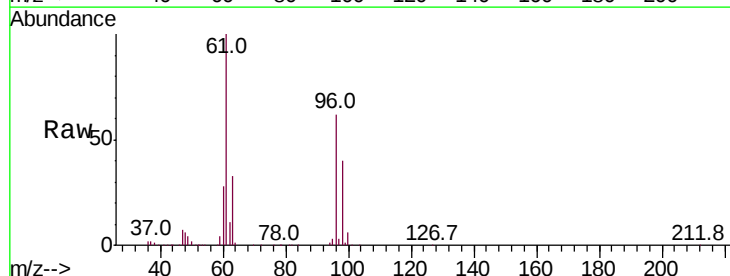
#21
 Allvl Chloride
 Concen: 8.480 ppbv
 RT: 4.41 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 11:10

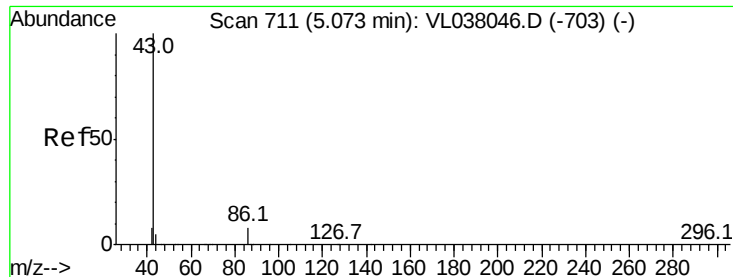
Tot Ion: 41 Resp: 729283
 Ion Ratio Lower Upper
 41 100
 76 30.9 24.6 36.8
 39 80.4 63.4 95.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.229 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T.: -0.00 min
 Lab File: VL038184.D
 Acq: 16 Dec 2021 11:10

Tgt Ion: 96 Resp: 510655
 Ion Ratio Lower Upper
 96 100
 61 160.7 131.6 197.4
 98 65.0 48.4 72.6





#23

Vinyl Acetate

Concen: 8.842 ppbv

RT: 5.07 Instrument:

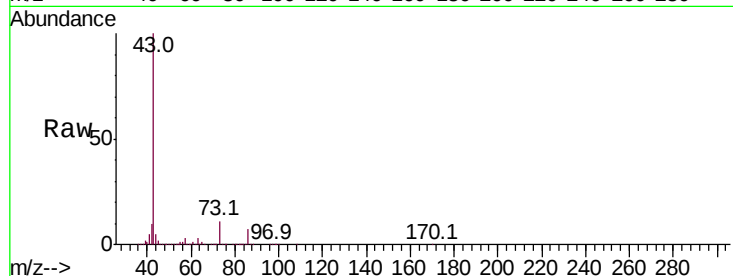
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Dec 2021 11:10

Tot Ion: 43 Resp: 1189101

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.3	7.9
42	9.6	7.0	10.6
44	4.9	4.0	6.0

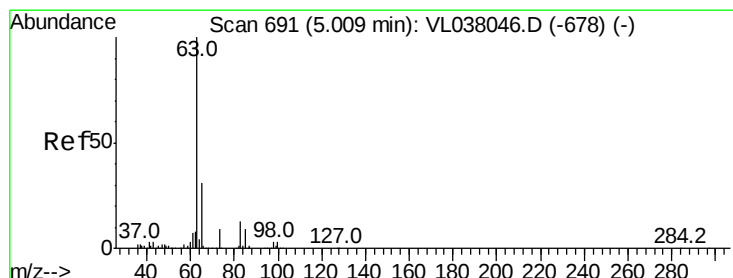
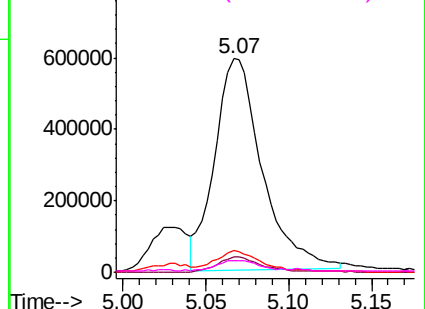
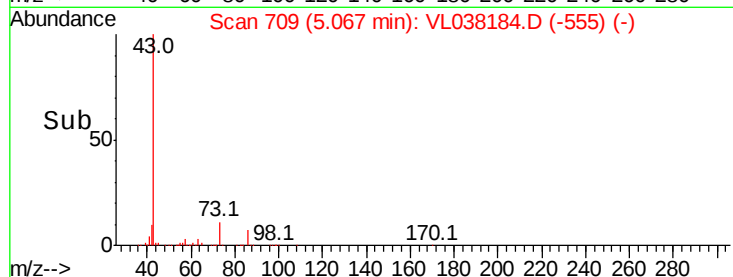


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.079 ppbv

RT: 5.01 min Scan# 690

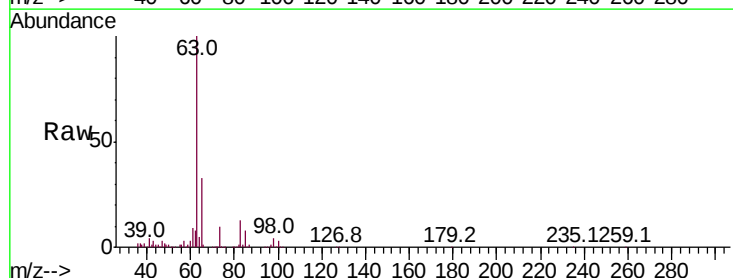
Delta R.T. -0.00 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

Tgt Ion: 63 Resp: 1016734

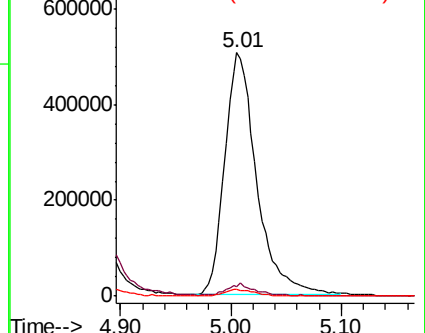
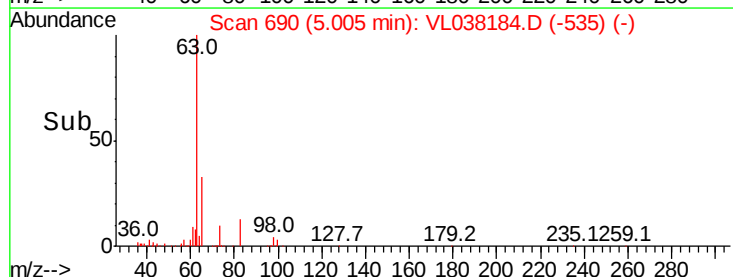
Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.4
100	2.8	1.4	4.0

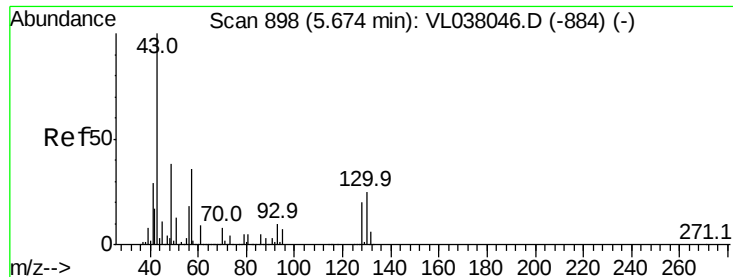


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

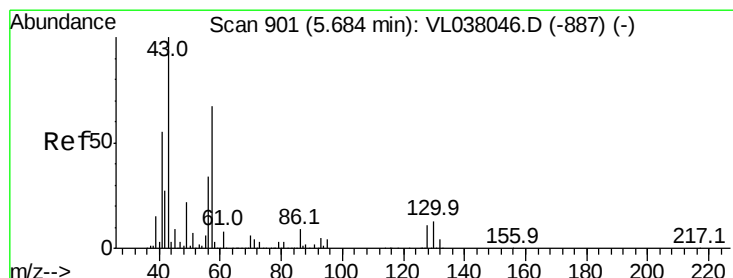
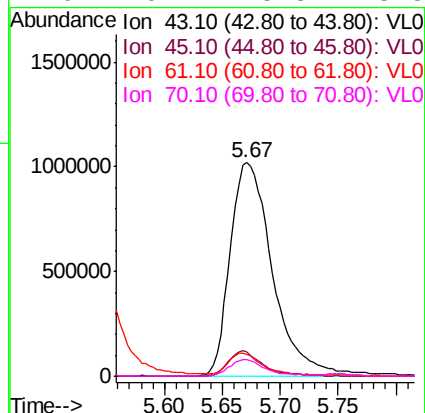
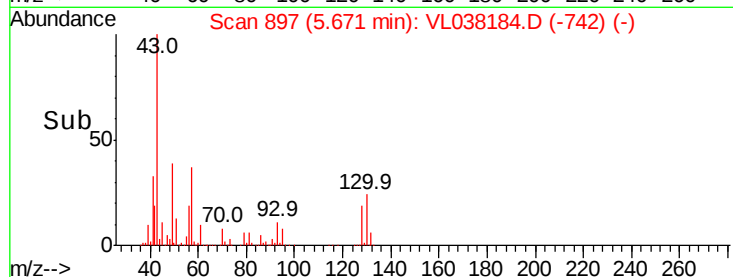
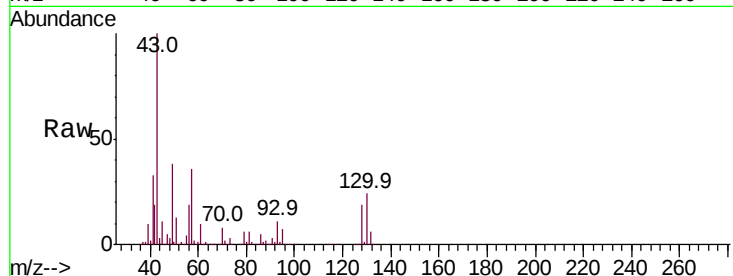
Ion 100.00 (99.70 to 100.70): VL0





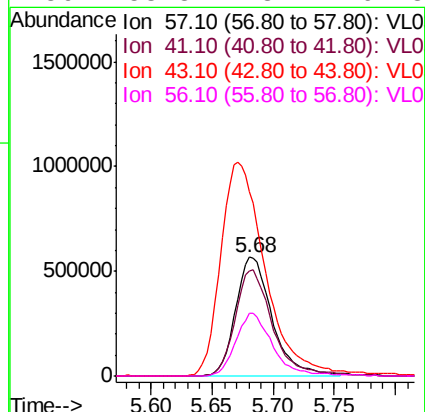
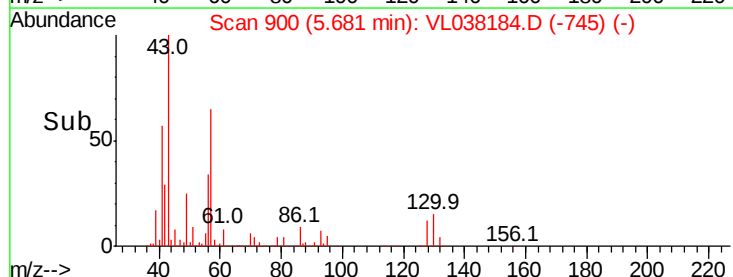
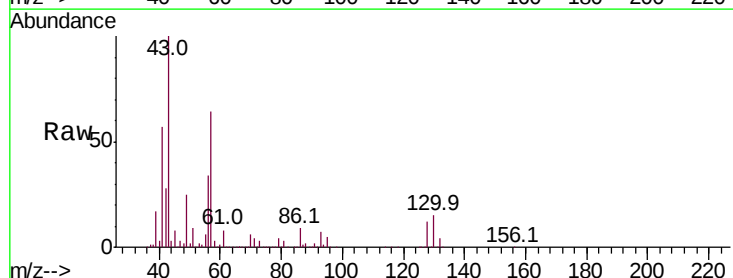
#25
Ethyl Acetate
Concen: 8.285 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Dec 2021 11:10

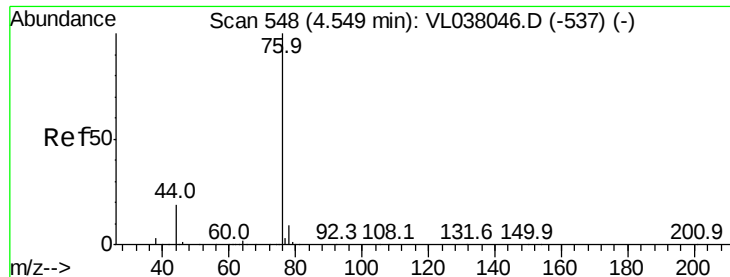
Tot Ion:	43	Resp:	2558031
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.9	7.8	11.6
70	6.7	5.8	8.8



#26
Hexane
Concen: 7.909 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL038184.D
Acq: 16 Dec 2021 11:10

Tgt Ion:	57	Resp:	1177119
Ion	Ratio	Lower	Upper
57	100		
41	92.3	71.4	107.2
43	222.2	174.6	261.8
56	53.8	43.2	64.8





#27

Carbon Disulfide

Concen: 9.182 ppbv

RT: 4.55 Instrument:

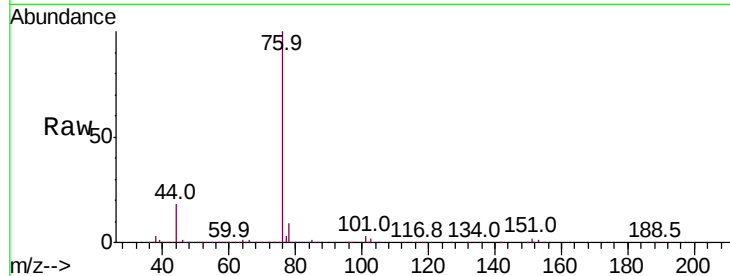
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

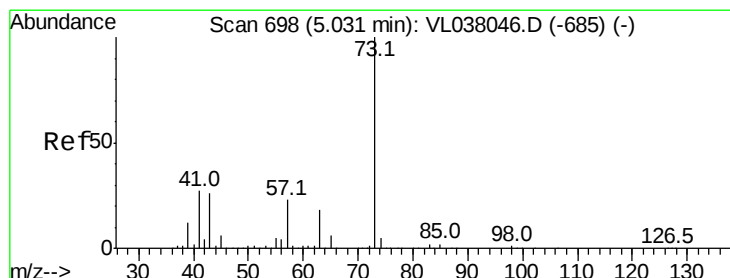
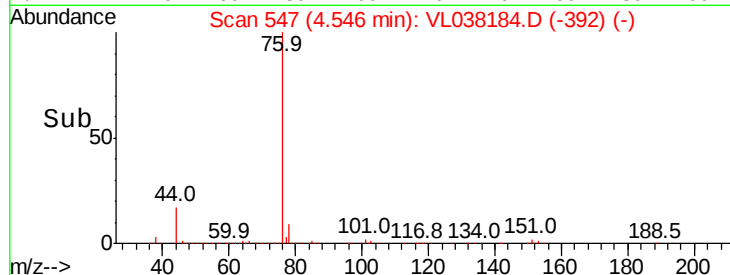
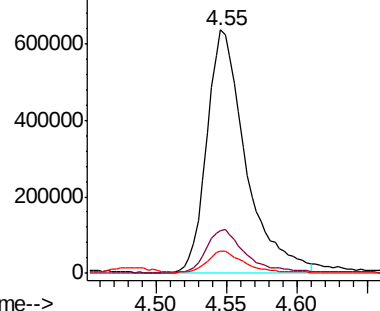
Acq: 16 Dec 2021 11:10

Tot Ion: 76 Resp: 1224110

Ion	Ratio	Lower	Upper
76	100		
44	18.8	14.9	22.3
78	9.6	7.6	11.4



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: 8.442 ppbv

RT: 5.03 min Scan# 698

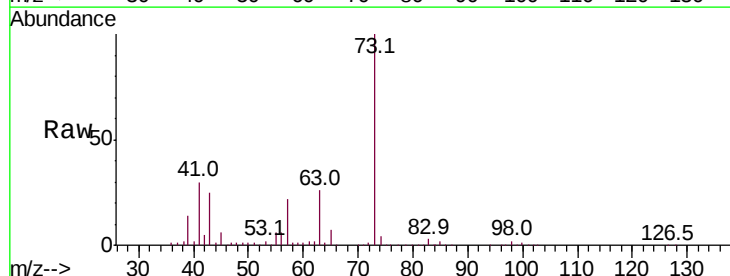
Delta R.T. 0.00 min

Lab File: VL038184.D

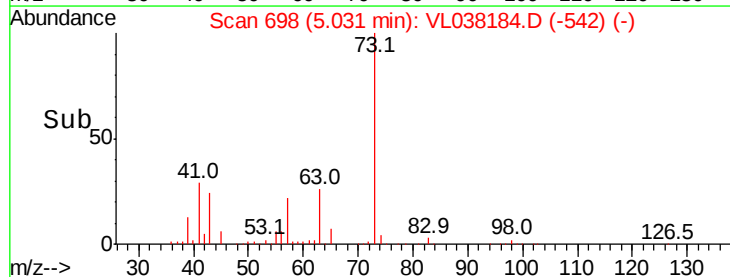
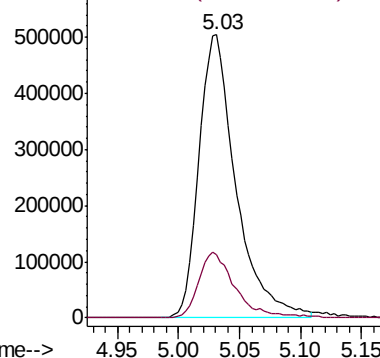
Acq: 16 Dec 2021 11:10

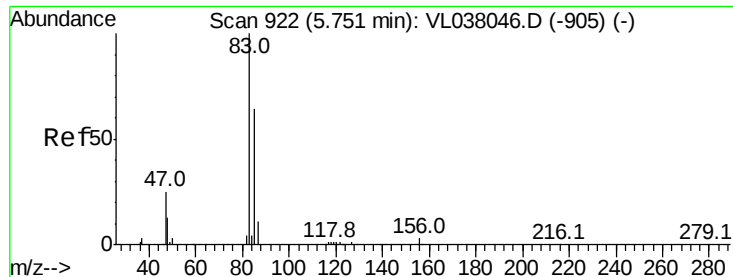
Tgt Ion: 73 Resp: 1067181

Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.0	28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.741 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

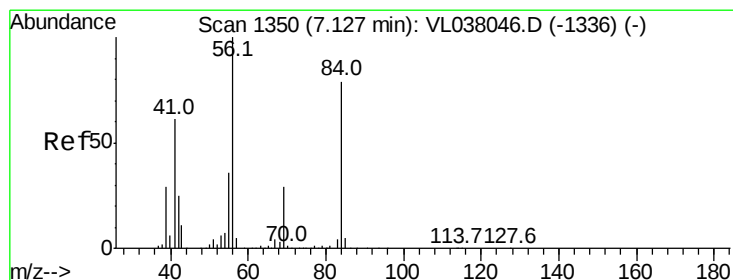
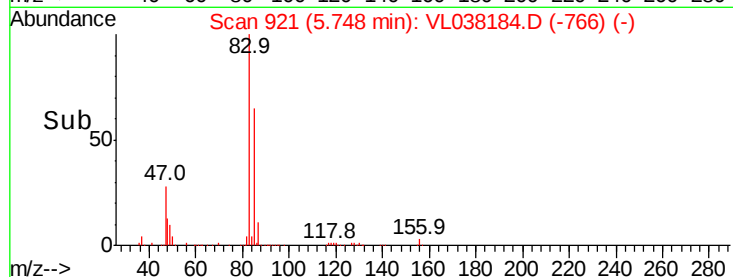
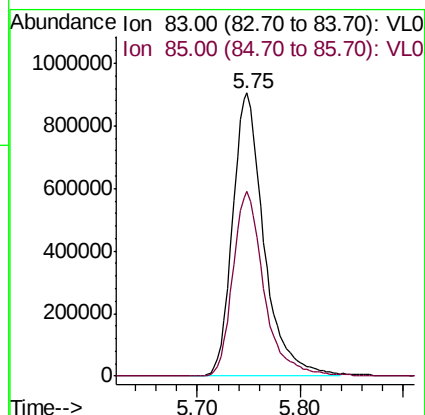
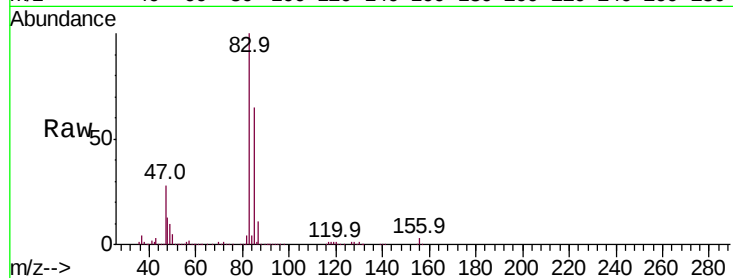
Acq: 16 Dec 2021 11:10

Tot Ion: 83 Resp: 1917288

Ion Ratio Lower Upper

83 100

85 65.2 51.0 76.6



#30

Cyclohexane

Concen: 7.523 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

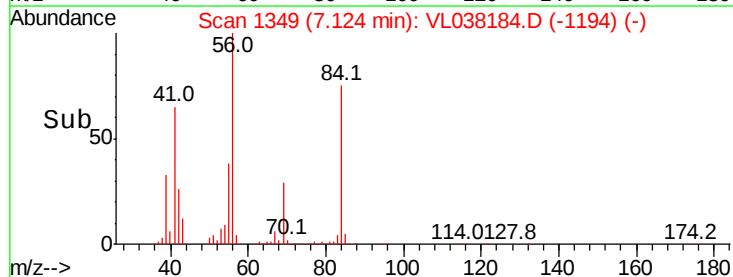
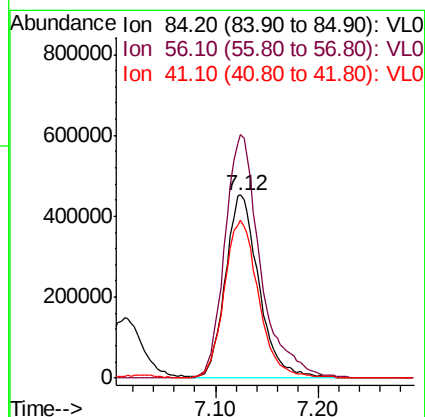
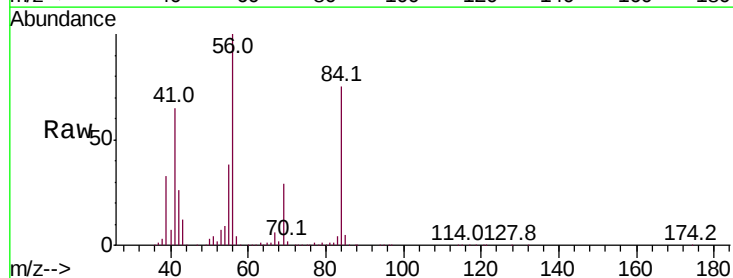
Tgt Ion: 84 Resp: 1016396

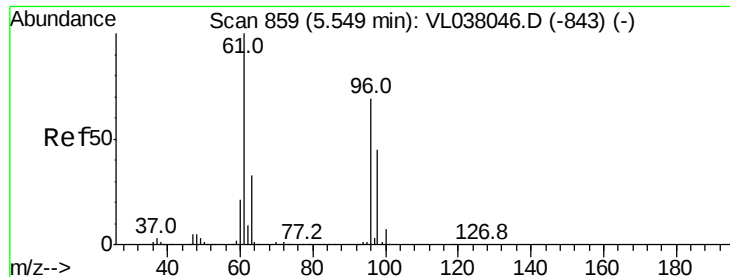
Ion Ratio Lower Upper

84 100

56 142.8 108.1 162.1

41 88.9 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 8.434 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 11:10

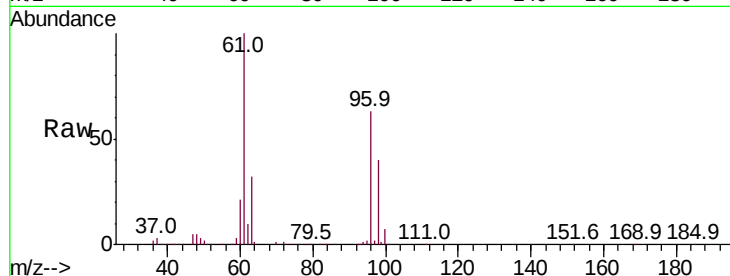
Tot Ion: 61 Resp: 1194050

Ion Ratio Lower Upper

61 100

96 63.2 55.4 83.2

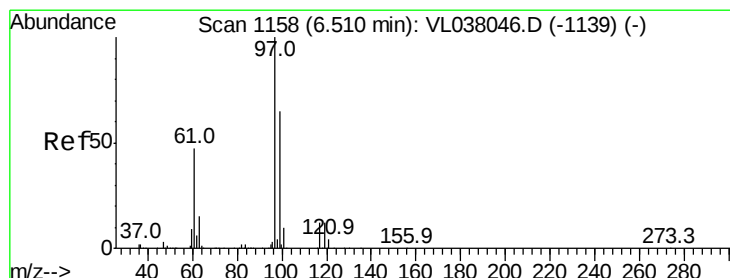
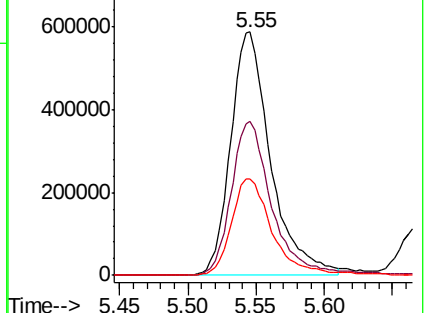
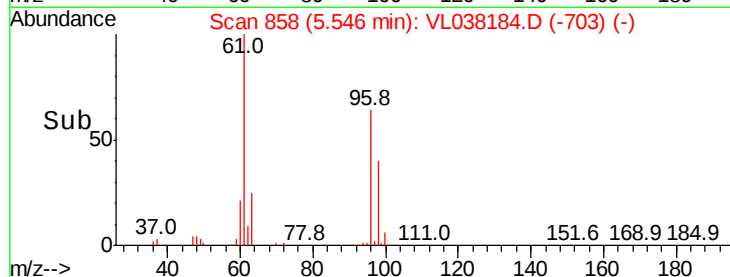
98 39.8 35.7 53.5



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.275 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

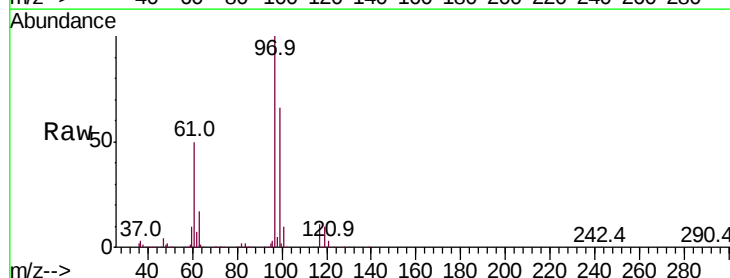
Tgt Ion: 97 Resp: 1842011

Ion Ratio Lower Upper

97 100

99 65.0 52.2 78.4

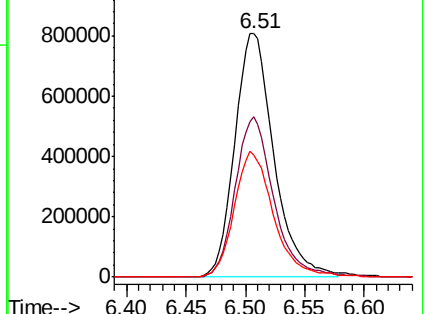
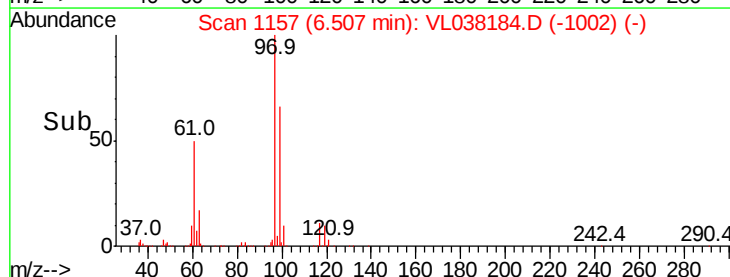
61 51.8 37.7 56.5



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: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 11:10

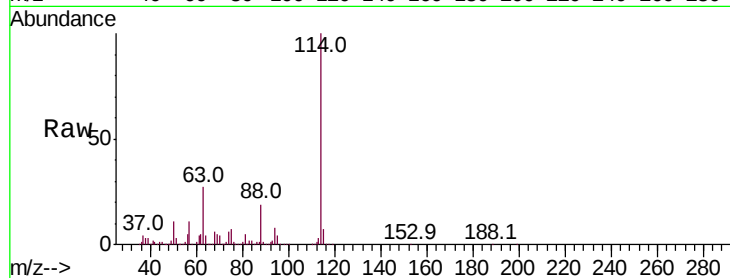
Tot Ion:114 Resp: 2880032

Ion Ratio Lower Upper

114 100

63 27.7 19.7 29.5

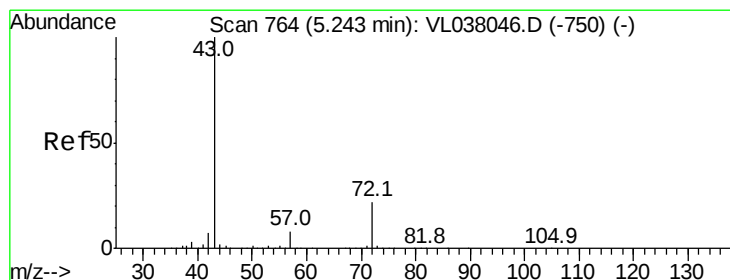
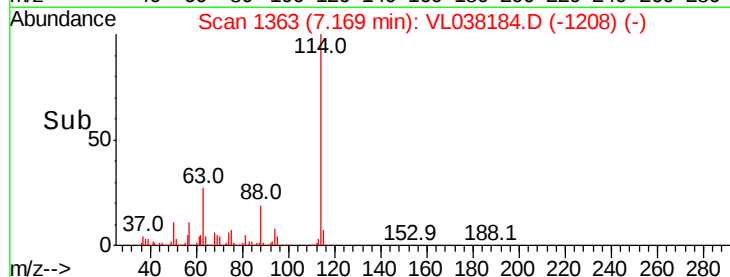
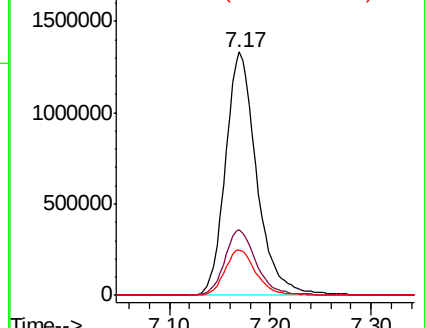
88 19.0 14.4 21.6



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: 9.775 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL038184.D

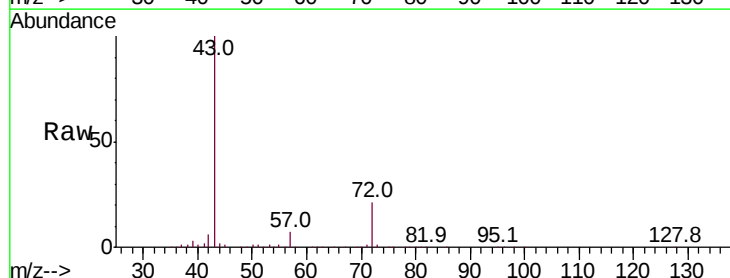
Acq: 16 Dec 2021 11:10

Tgt Ion: 43 Resp: 1135114

Ion Ratio Lower Upper

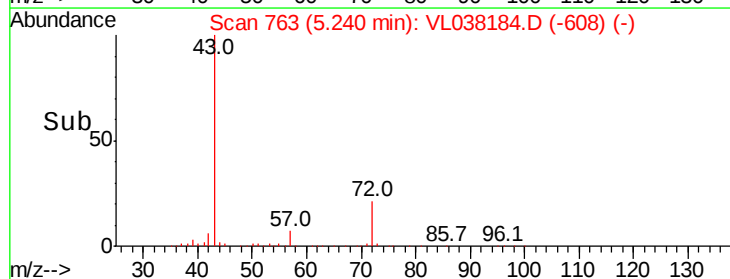
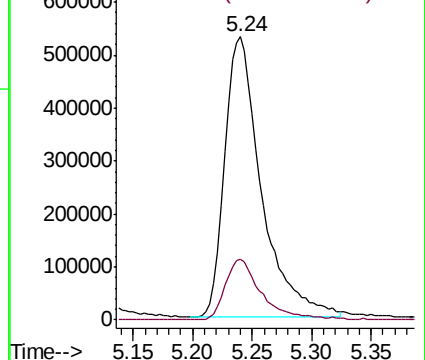
43 100

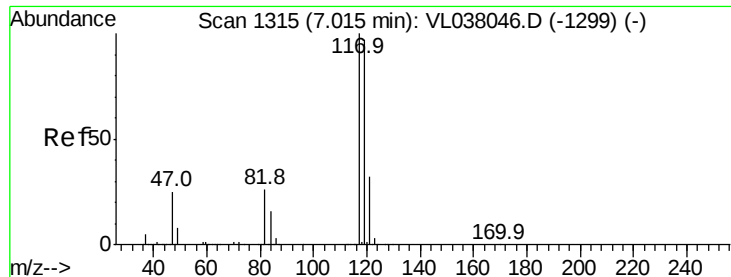
72 21.9 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

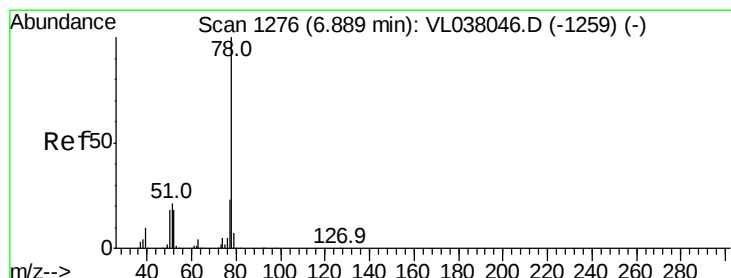
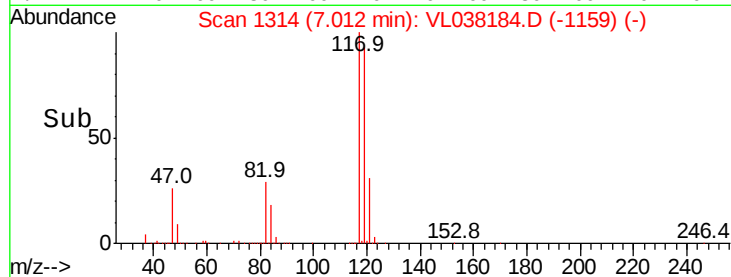
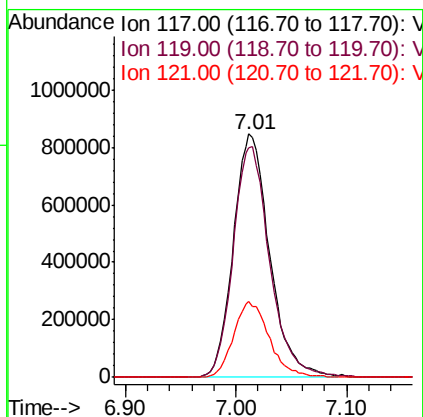
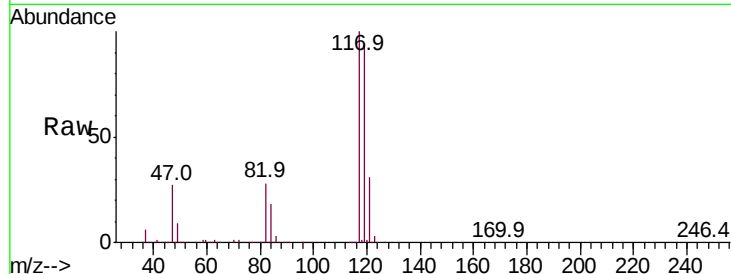
Ion 72.10 (71.80 to 72.80): VL0





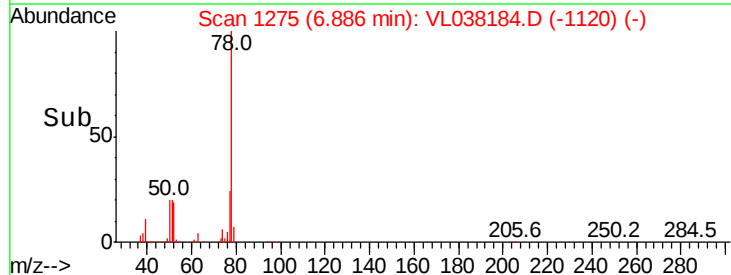
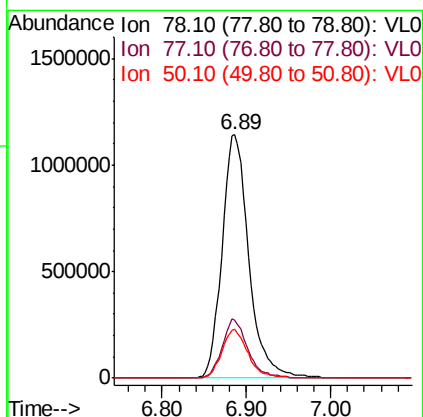
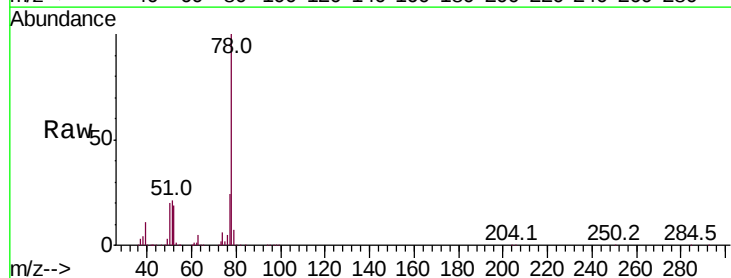
#35
Carbon Tetrachloride
Concen: 9.549 ppbv
RT: 7.01
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Dec 2021 11:10

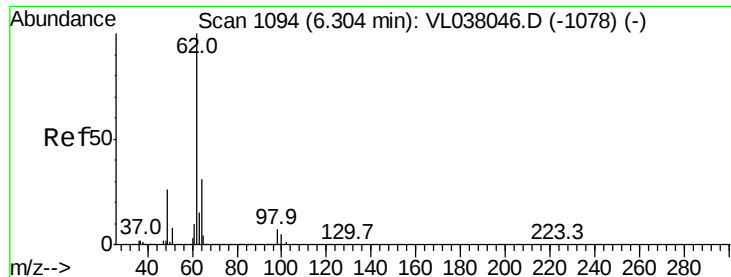
Tot Ion:117 Resp: 1932370
Ion Ratio Lower Upper
117 100
119 94.2 77.7 116.5
121 31.0 25.6 38.4



#36
Benzene
Concen: 8.755 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL038184.D
Acq: 16 Dec 2021 11:10

Tgt Ion: 78 Resp: 2515336
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.4
50 20.3 14.7 22.1





#37

1,2-Dichloroethane

Concen: 10.539 ppbv

RT: 6.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

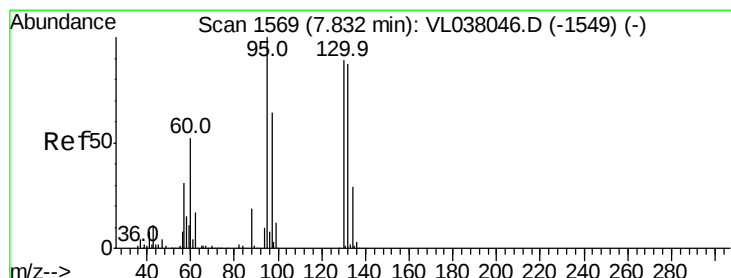
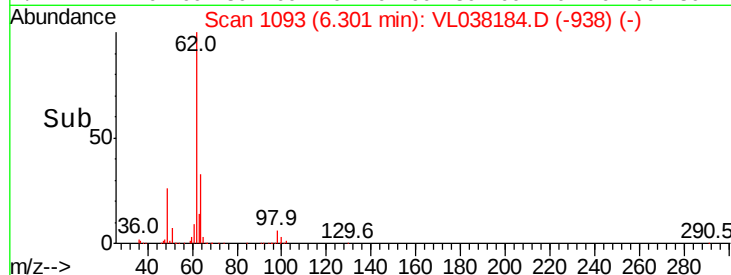
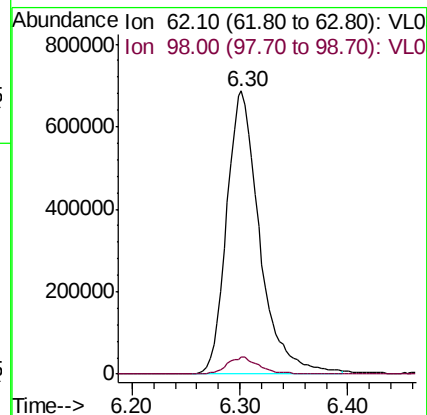
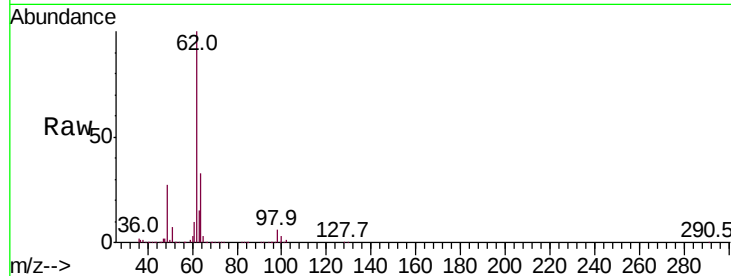
Acq: 16 Dec 2021 11:10

Tot Ion: 62 Resp: 1462244

Ion Ratio Lower Upper

62 100

98 5.9 5.8 8.6



#38

Trichloroethene

Concen: 8.351 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

Tgt Ion:130 Resp: 905000

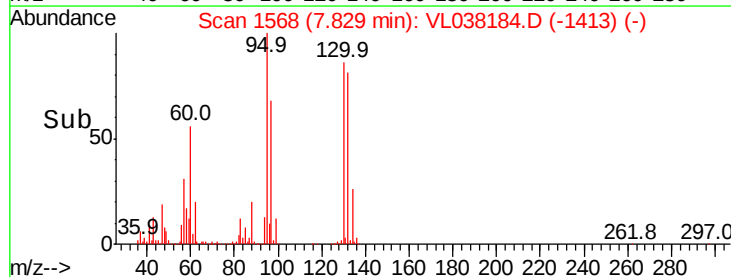
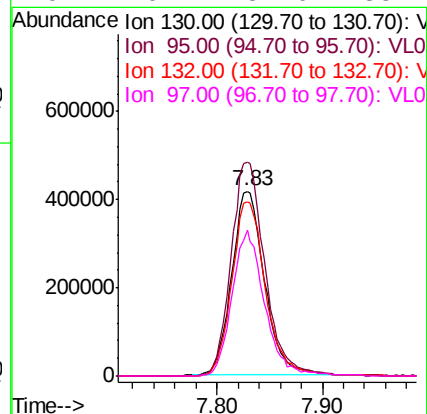
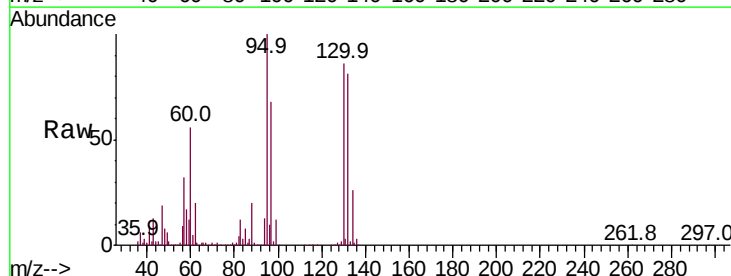
Ion Ratio Lower Upper

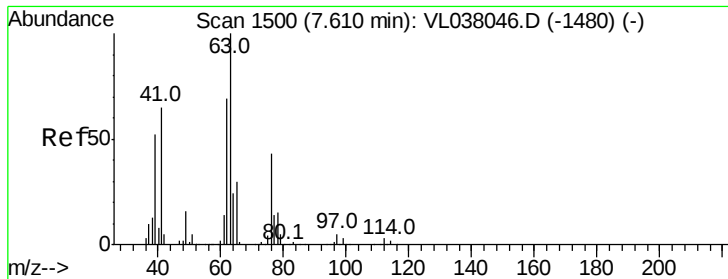
130 100

95 116.2 89.4 134.2

132 94.7 78.2 117.2

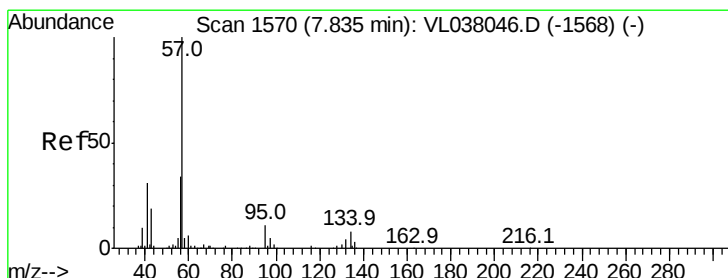
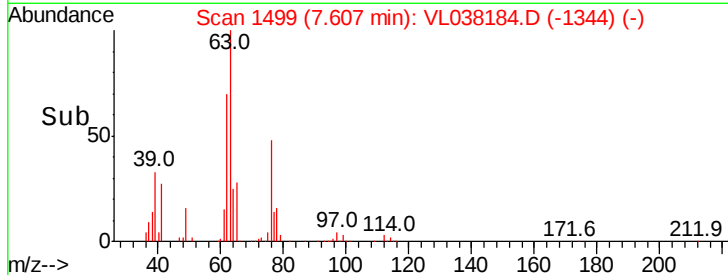
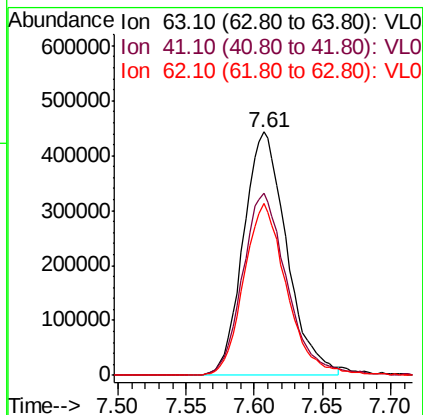
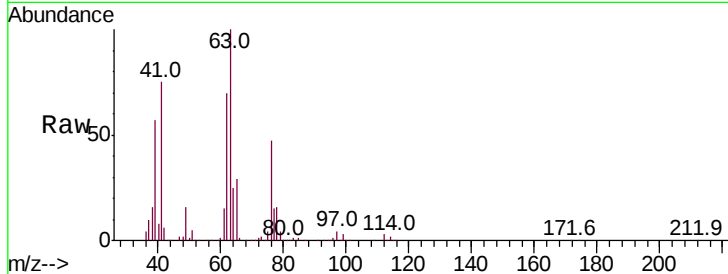
97 79.2 57.0 85.4





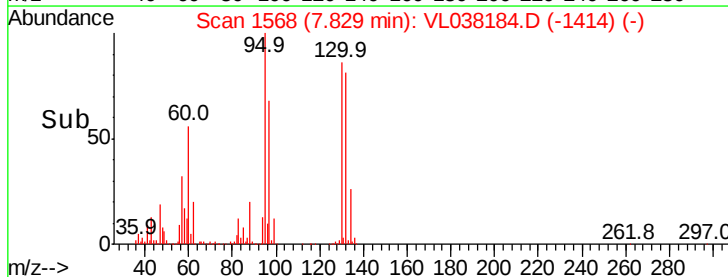
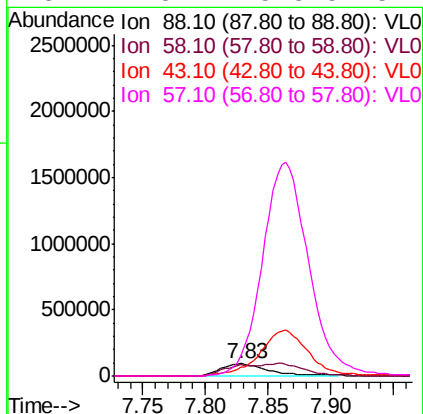
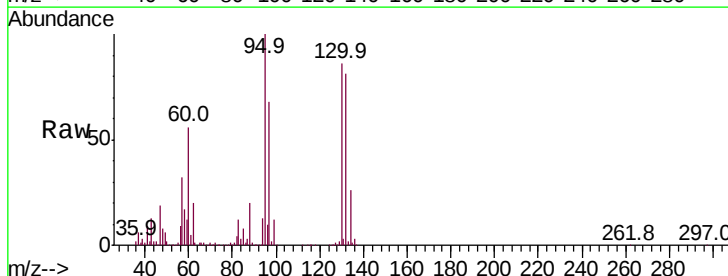
#39
 1,2-Dichloropropane
 Concen: 8.861 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 11:10

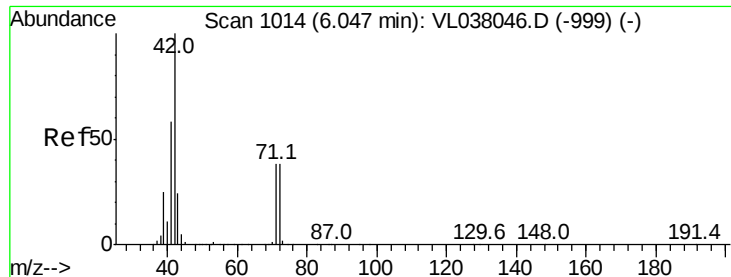
Tot Ion	Ratio	Lower	Upper
63	100		
41	74.9	52.3	78.5
62	70.3	55.1	82.7



#40
 1,4-Dioxane
 Concen: 8.429 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL038184.D
 Acq: 16 Dec 2021 11:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	160.1	229.2	343.8#
43	393.5	553.3	829.9#
57	1725.1	2513.8	3770.8#





#41

Tetrahydrofuran

Concen: 8.928 ppbv

RT: 6.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Dec 2021 11:10

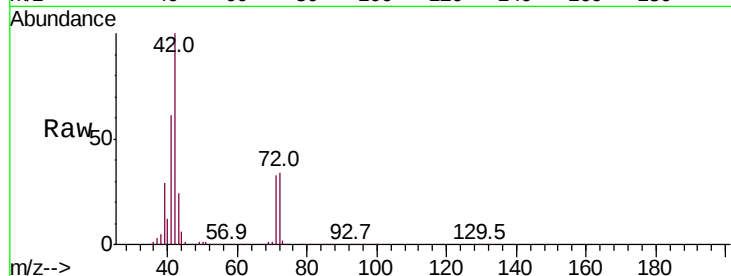
Tot Ion: 42 Resp: 643618

Ion Ratio Lower Upper

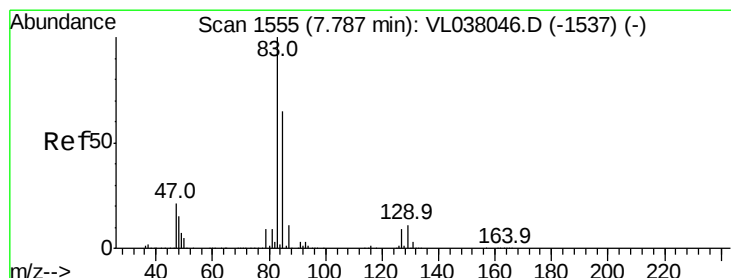
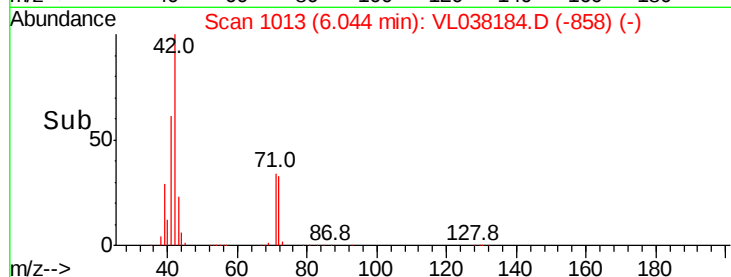
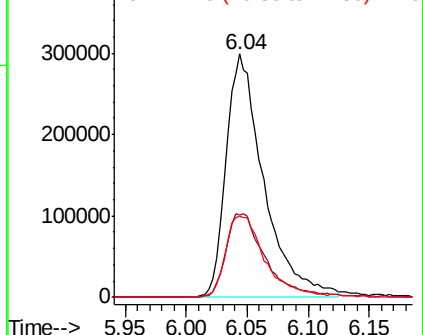
42 100

72 36.9 31.7 47.5

71 36.0 30.6 46.0



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: 10.020 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

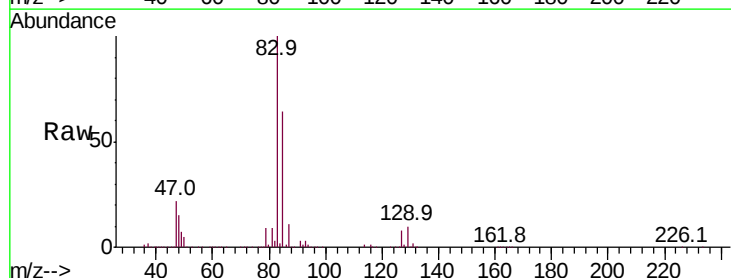
Tgt Ion: 83 Resp: 2113579

Ion Ratio Lower Upper

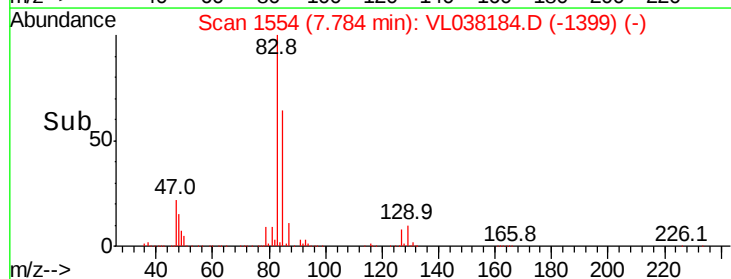
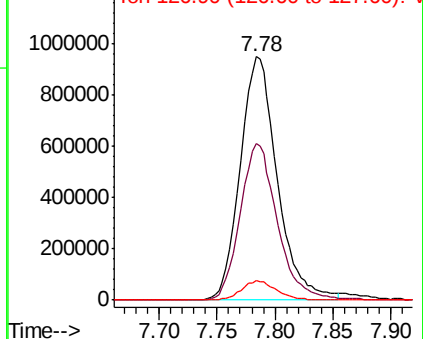
83 100

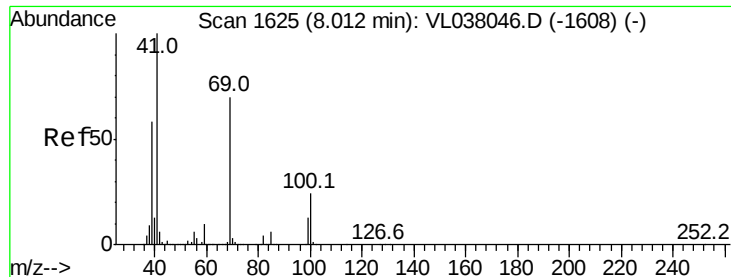
85 64.1 51.9 77.9

127 7.8 6.8 10.2



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): V





#43

Methyl Methacrylate

Concen: 9.645 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Dec 2021 11:10

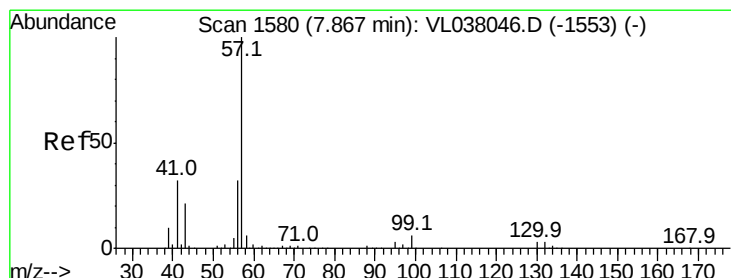
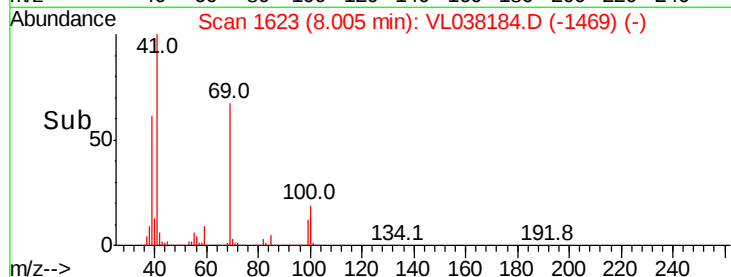
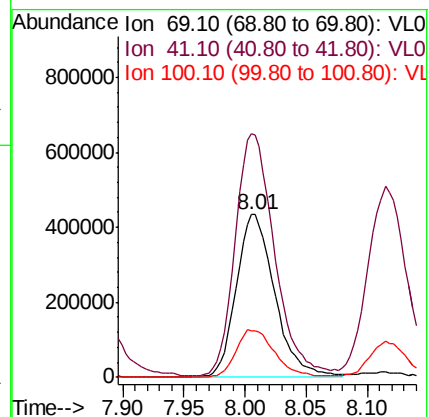
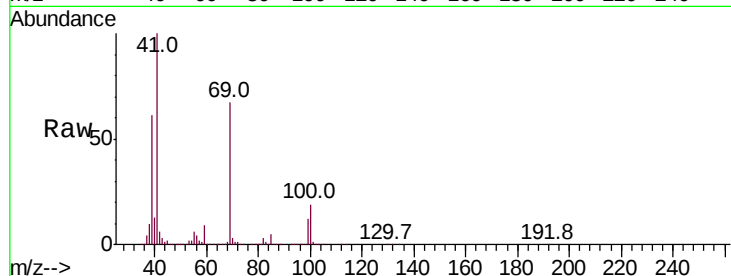
Tot Ion: 69 Resp: 947966

Ion Ratio Lower Upper

69 100

41 155.0 116.7 175.1

100 29.8 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 8.669 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

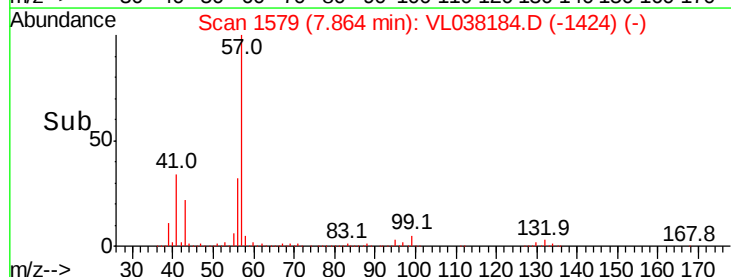
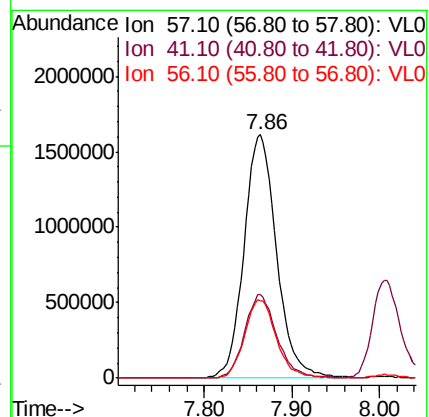
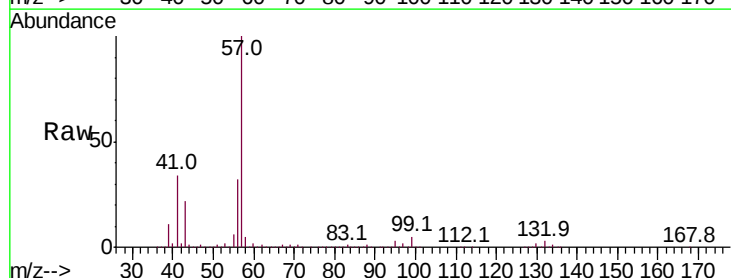
Tgt Ion: 57 Resp: 4166572

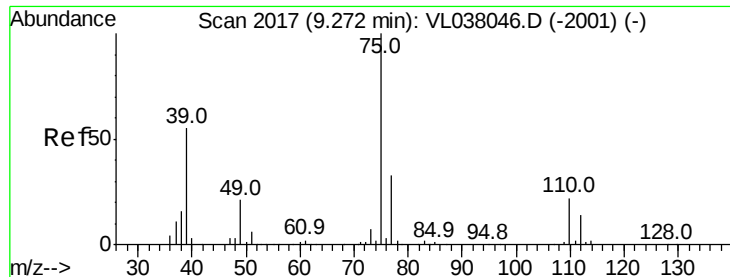
Ion Ratio Lower Upper

57 100

41 34.0 25.8 38.6

56 31.6 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 10.853 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

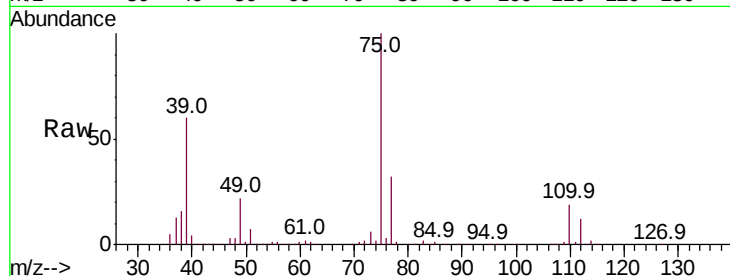
Acq: 16 Dec 2021 11:10

Tot Ion: 75 Resp: 855623

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

400000

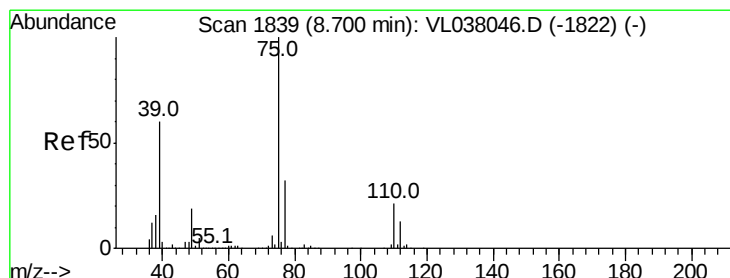
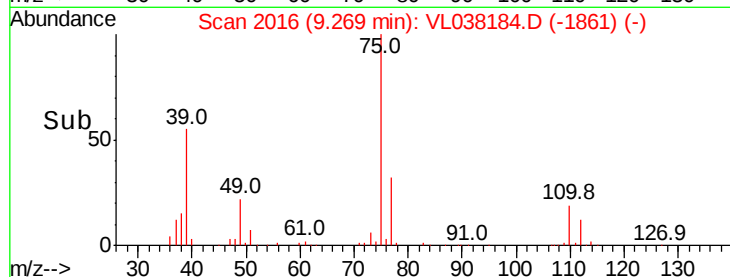
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.110 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

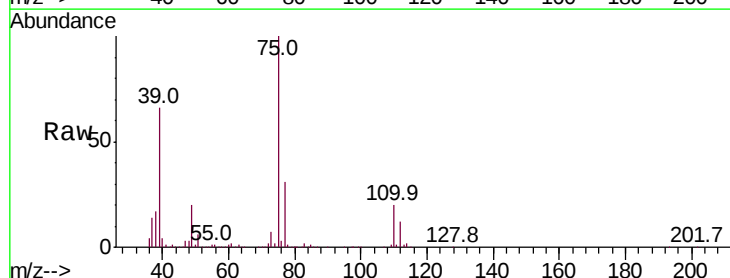
Tgt Ion: 75 Resp: 1078027

Ion Ratio Lower Upper

75 100

39 66.0 47.8 71.8

77 30.8 25.5 38.3



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

8.69

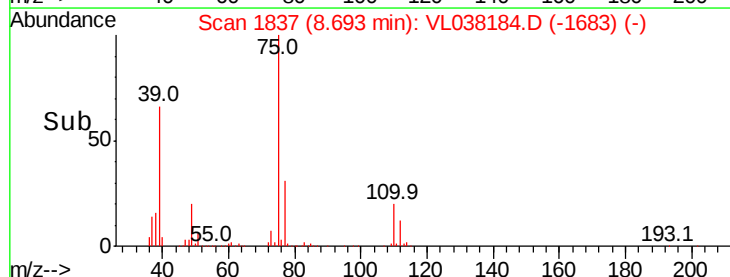
600000

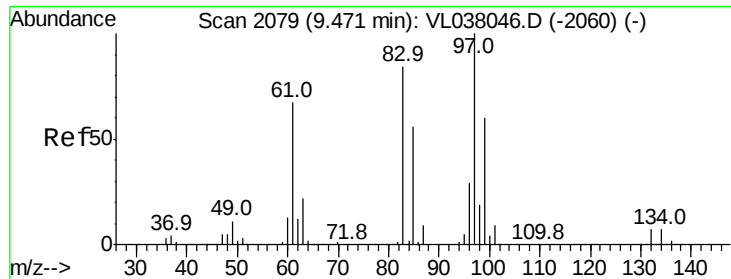
400000

200000

0

Time-->

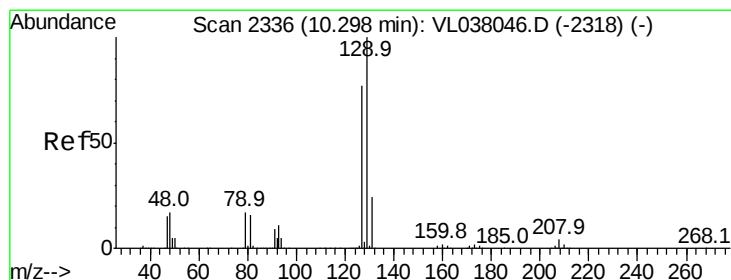
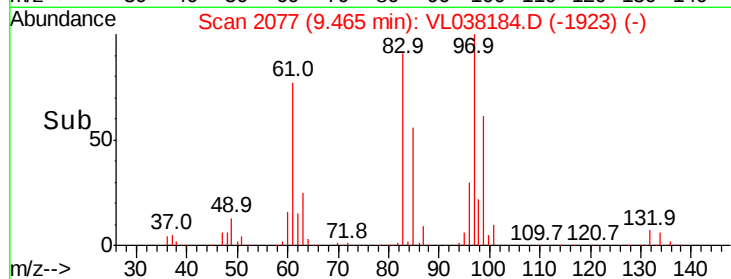
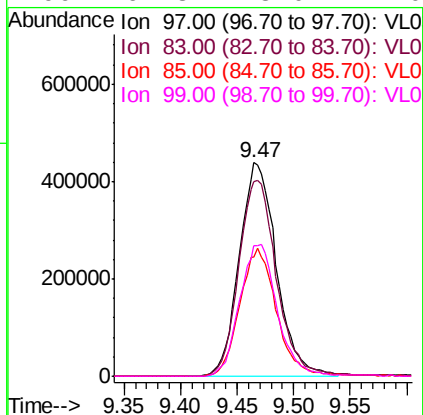
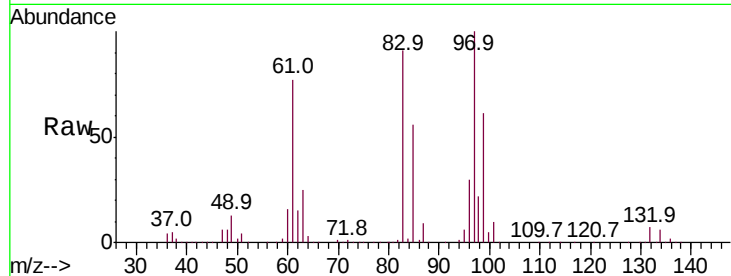




#47
 1,1,2-Trichloroethane
 Concen: 8.711 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 11:10

Tot Ion: 97 Resp: 1005375

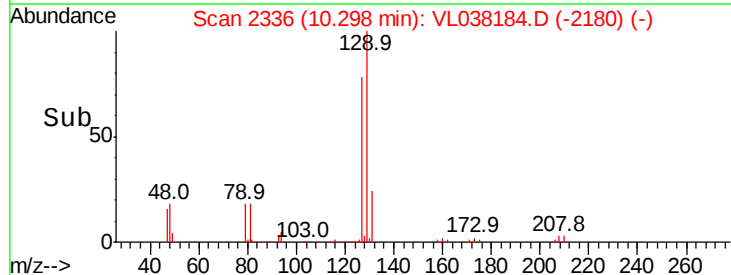
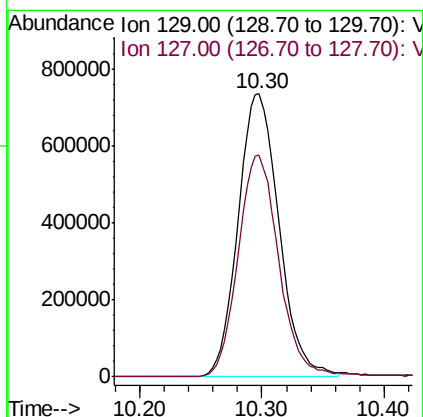
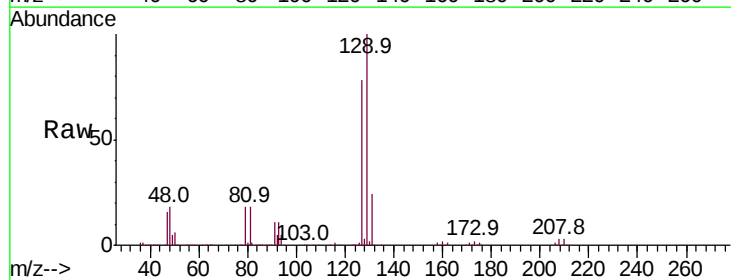
Ion	Ratio	Lower	Upper
97	100		
83	91.2	66.8	100.2
85	55.9	44.9	67.3
99	61.3	48.0	72.0

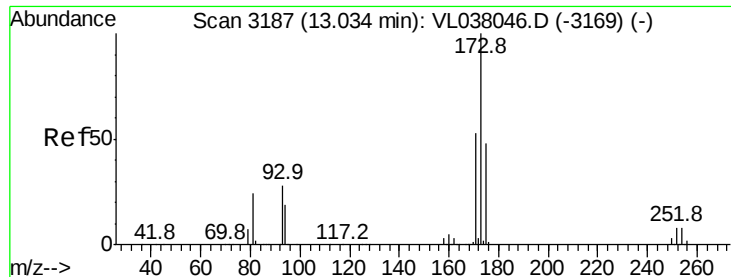


#48
 Dibromochloromethane
 Concen: 9.714 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VL038184.D
 Acq: 16 Dec 2021 11:10

Tgt Ion: 129 Resp: 1707442

Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.4	118.1





#49

Bromoform

Concen: 10.252 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 16 Dec 2021 11:10

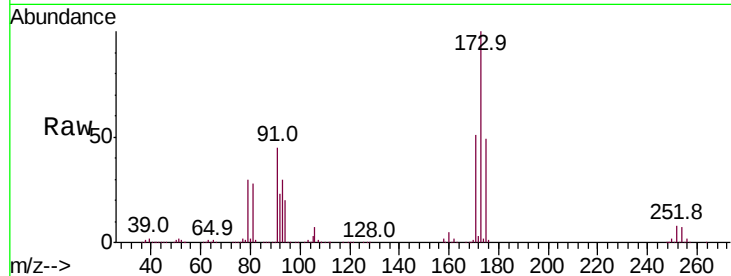
Tot Ion:173 Resp: 1289159

Ion Ratio Lower Upper

173 100

175 52.6 42.5 63.7

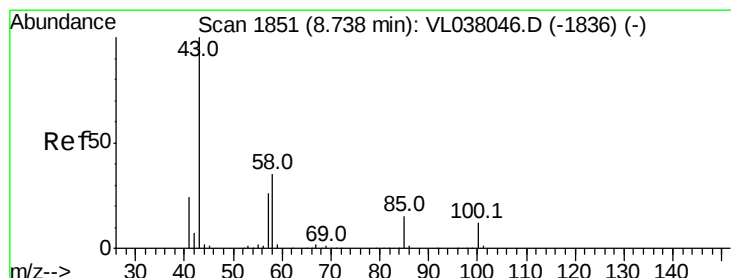
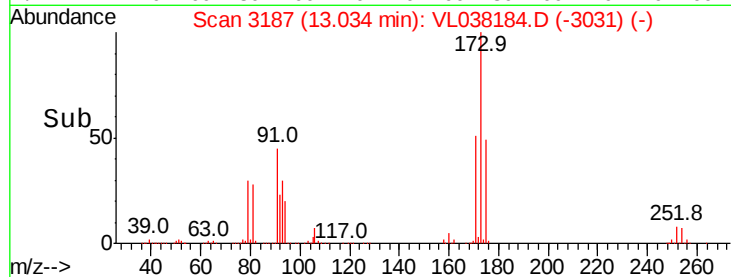
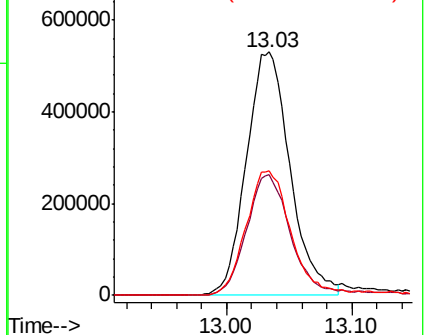
171 55.0 44.0 66.0



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: 10.209 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.00 min

Lab File: VL038184.D

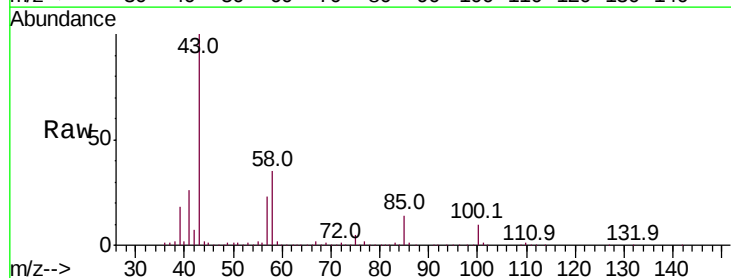
Acq: 16 Dec 2021 11:10

Tgt Ion: 43 Resp: 1800545

Ion Ratio Lower Upper

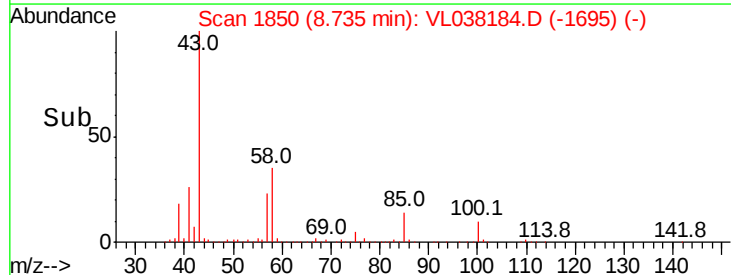
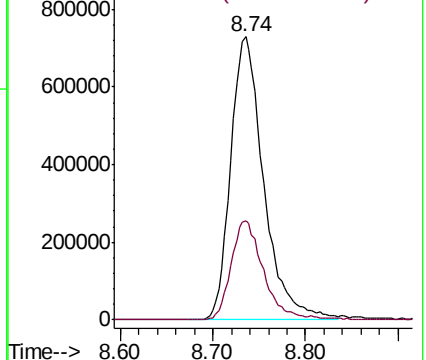
43 100

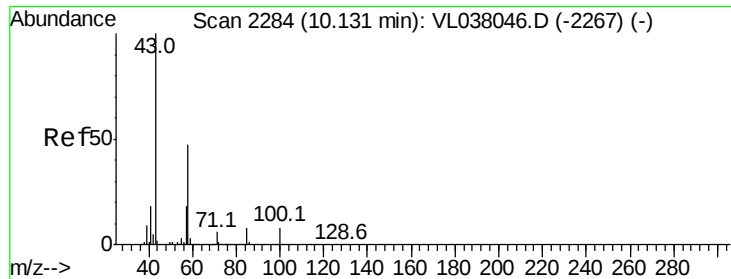
58 34.6 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

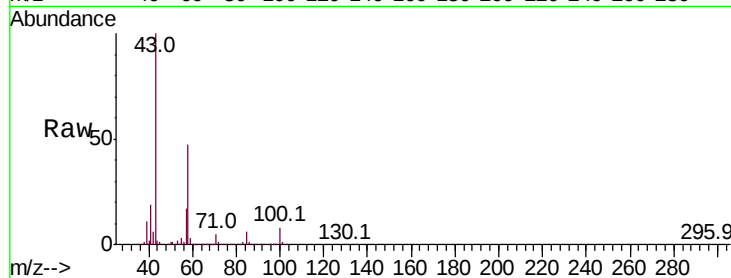
Ion 58.10 (57.80 to 58.80): VL0



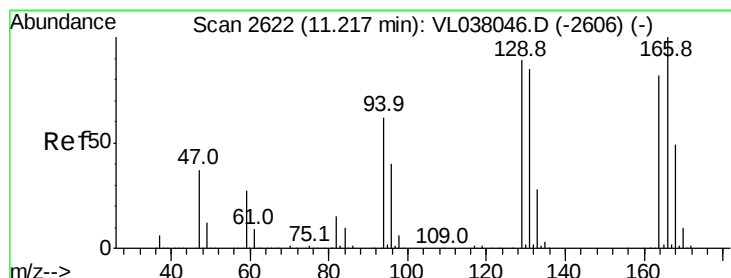
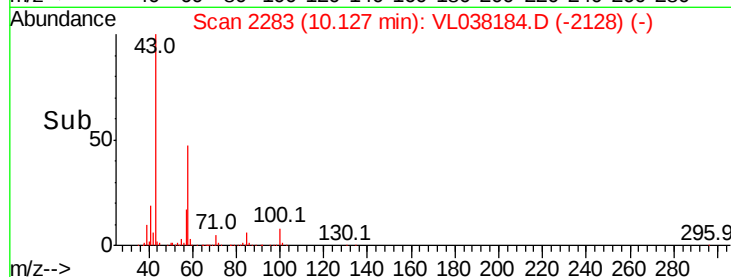
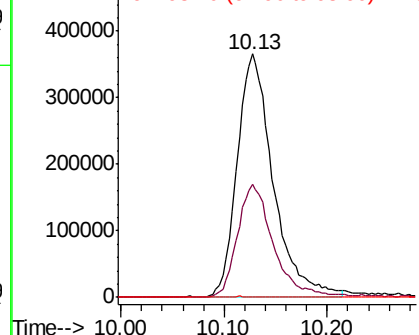


#51
2-Hexanone
Concen: 10.742 ppbv
RT: 10.13 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 11:10

Tot Ion: 43 Resp: 891329
Ion Ratio Lower Upper
43 100
58 47.1 41.1 61.7
98 0.4 0.1 0.1#

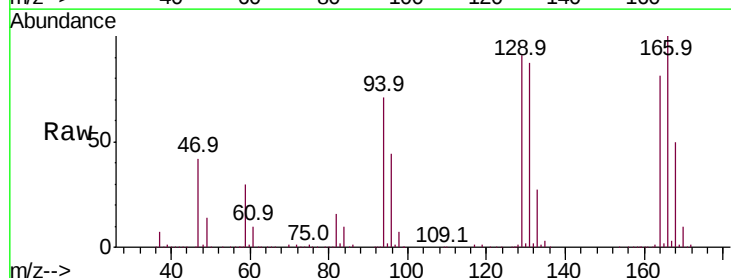


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

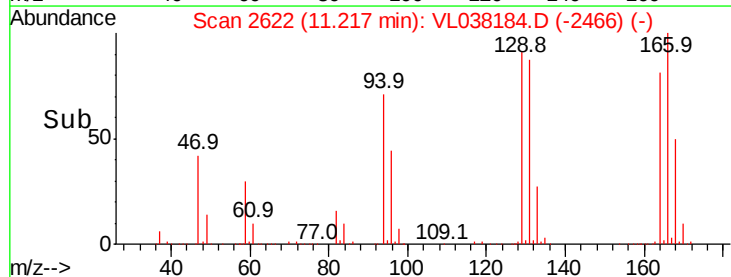
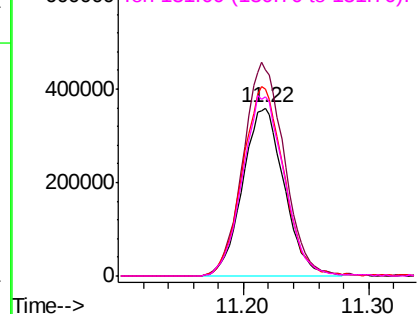


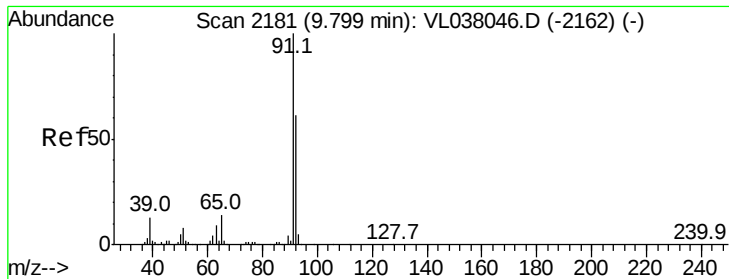
#52
Tetrachloroethene
Concen: 7.759 ppbv
RT: 11.22 min Scan# 2622
Delta R.T.: 0.00 min
Lab File: VL038184.D
Acq: 16 Dec 2021 11:10

Tgt Ion: 164 Resp: 824771
Ion Ratio Lower Upper
164 100
166 122.6 97.2 145.8
129 111.4 86.9 130.3
131 106.3 82.8 124.2



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





#53

Toluene

Concen: 8.587 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

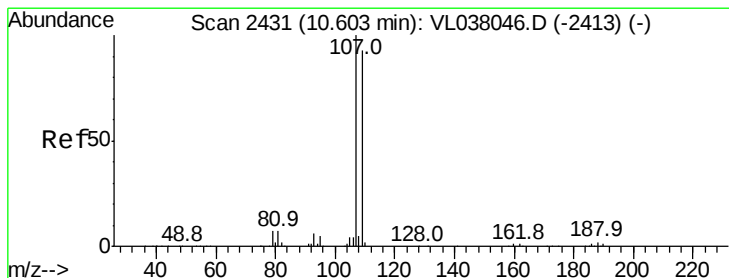
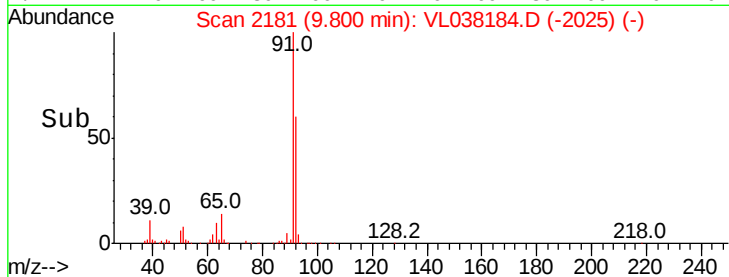
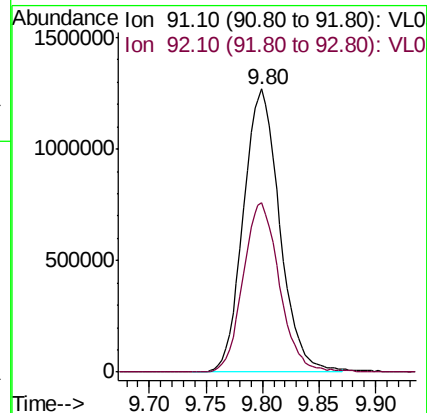
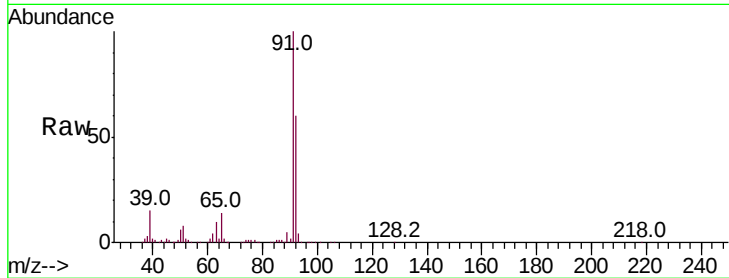
Acq: 16 Dec 2021 11:10

Tot Ion: 91 Resp: 2838518

Ion Ratio Lower Upper

91 100

92 60.2 49.7 74.5



#54

1,2-Dibromoethane

Concen: 9.079 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038184.D

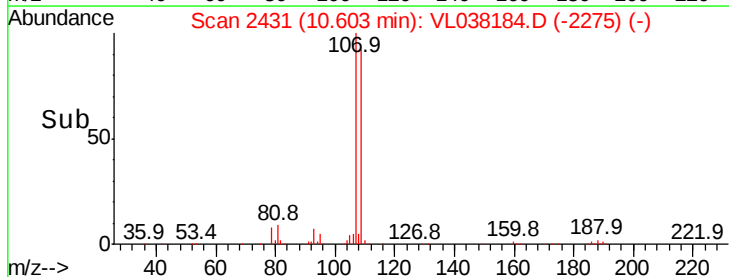
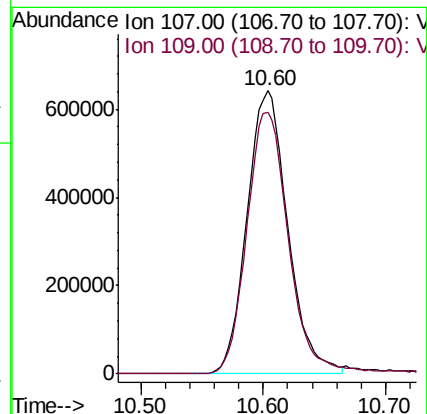
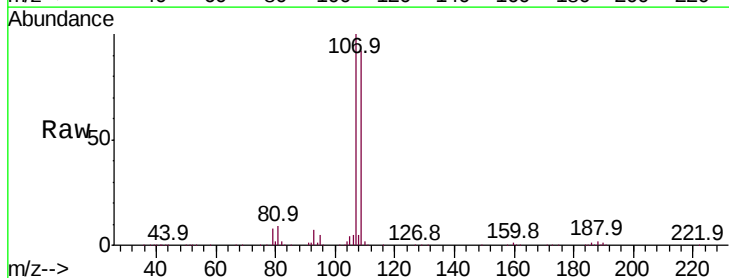
Acq: 16 Dec 2021 11:10

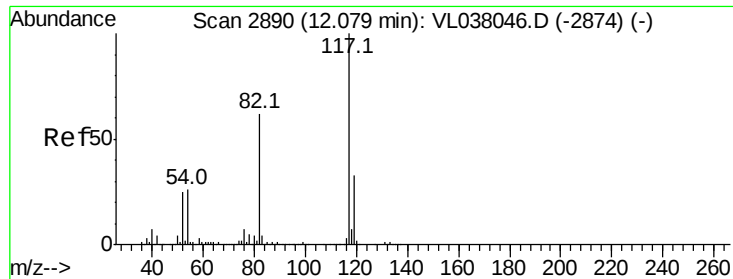
Tgt Ion: 107 Resp: 1480149

Ion Ratio Lower Upper

107 100

109 92.5 74.6 111.8

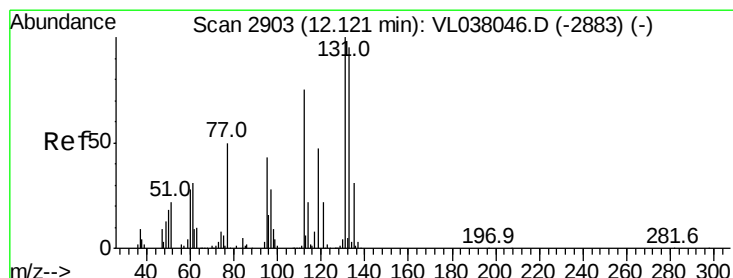
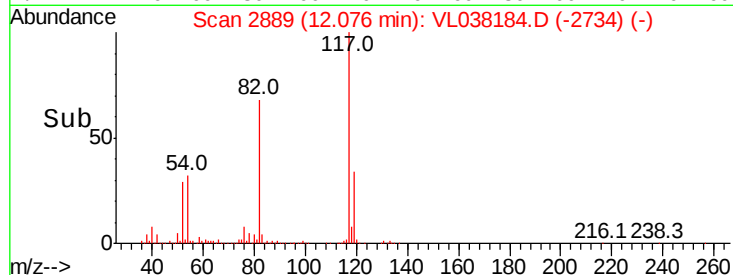
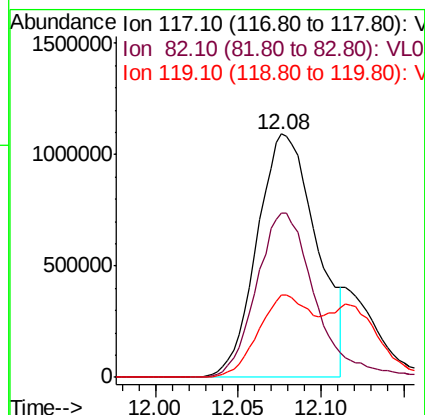
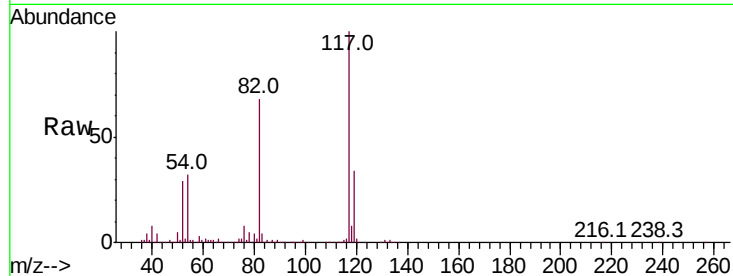




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 11:10

Tot Ion:117 Resp: 2727112

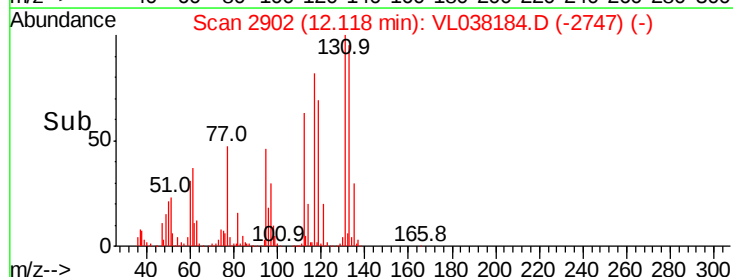
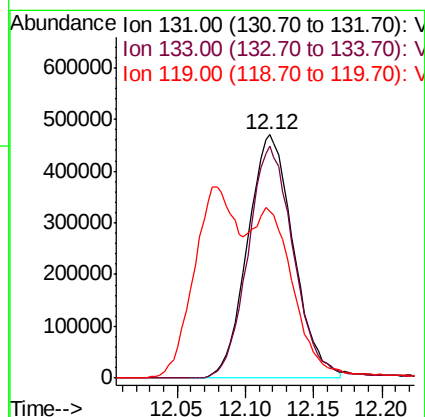
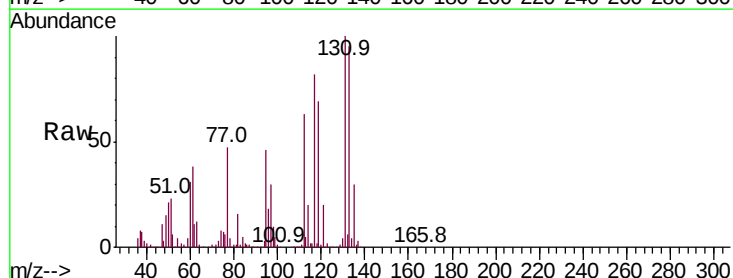
Ion	Ratio	Lower	Upper
117	100		
82	68.1	52.8	79.2
119	28.4	26.8	40.2

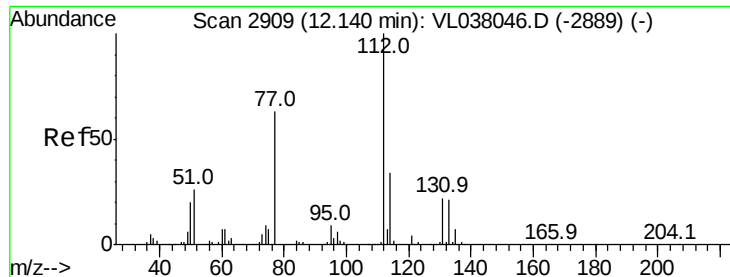


#56
1,1,1,2-Tetrachloroethane
Concen: 8.860 ppbv
RT: 12.12 min Scan# 2902
Delta R.T.: -0.00 min
Lab File: VL038184.D
Acq: 16 Dec 2021 11:10

Tgt Ion:131 Resp: 1096929

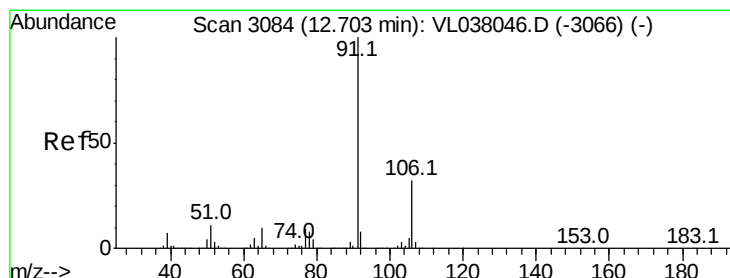
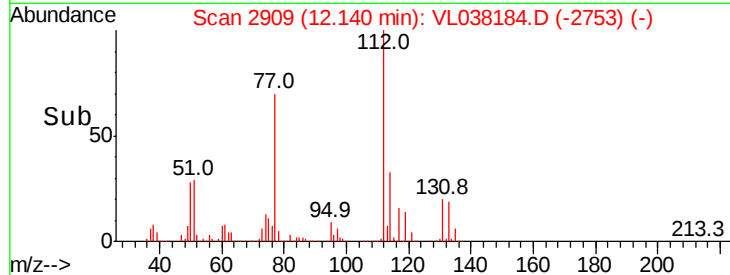
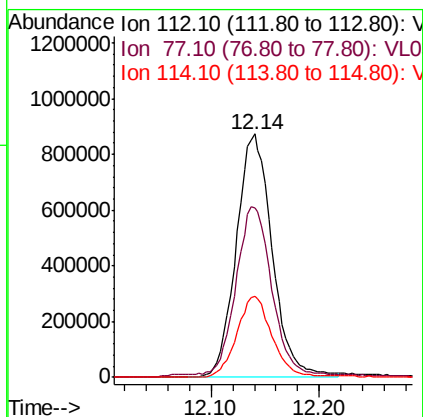
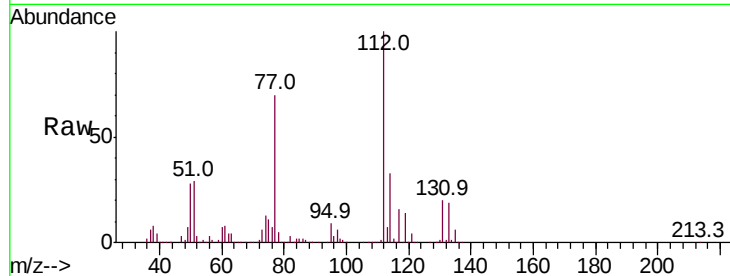
Ion	Ratio	Lower	Upper
131	100		
133	97.2	78.8	118.2
119	64.3	56.3	84.5





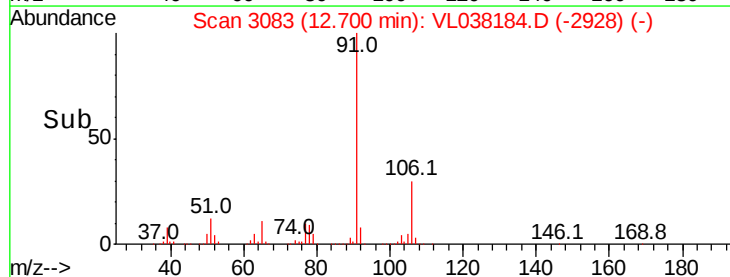
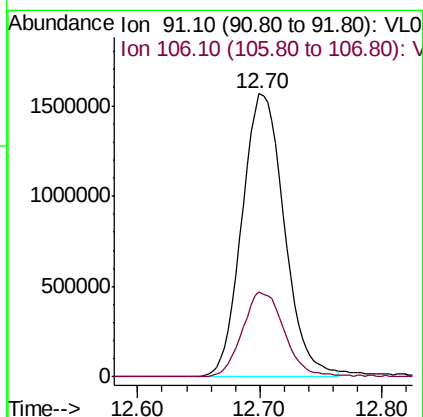
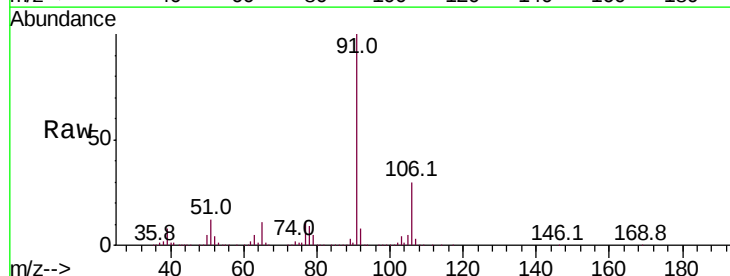
#57
Chlorobenzene
Concen: 8.295 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 11:10

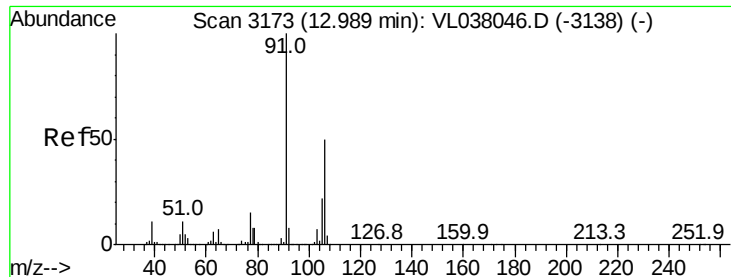
Tot Ion: 112 Resp: 2027471
Ion Ratio Lower Upper
112 100
77 68.4 50.3 75.5
114 33.3 30.7 37.5



#58
Ethyl Benzene
Concen: 8.331 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.00 min
Lab File: VL038184.D
Acq: 16 Dec 2021 11:10

Tgt Ion: 91 Resp: 3755243
Ion Ratio Lower Upper
91 100
106 29.9 25.8 38.6





#59

m/p-Xylene

Concen: 9.117 ppbv

RT: 12.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

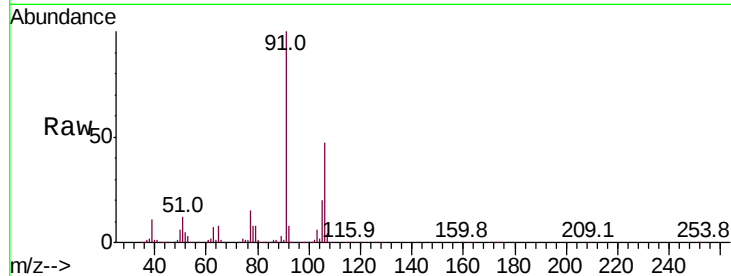
Acq: 16 Dec 2021 11:10

Tot Ion: 91 Resp: 3459329

Ion Ratio Lower Upper

91 100

106 80.2 38.1 57.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.99

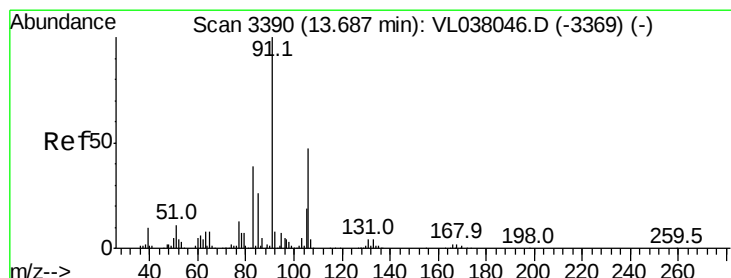
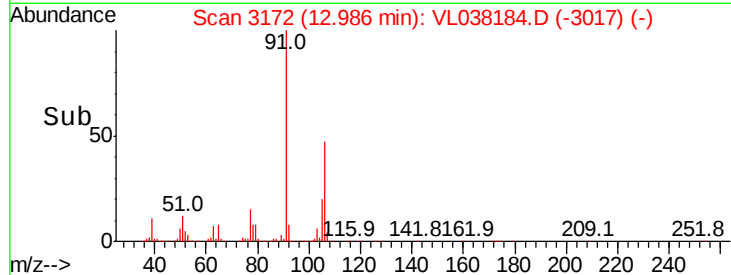
1500000

1000000

500000

0

Time--> 12.90 13.00 13.10



#60

o-Xylene

Concen: 8.531 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VL038184.D

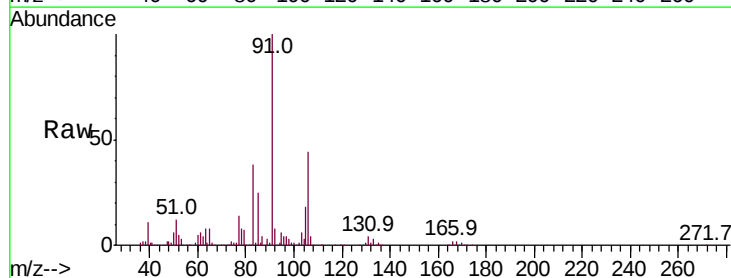
Acq: 16 Dec 2021 11:10

Tgt Ion: 91 Resp: 3002691

Ion Ratio Lower Upper

91 100

106 44.5 24.2 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

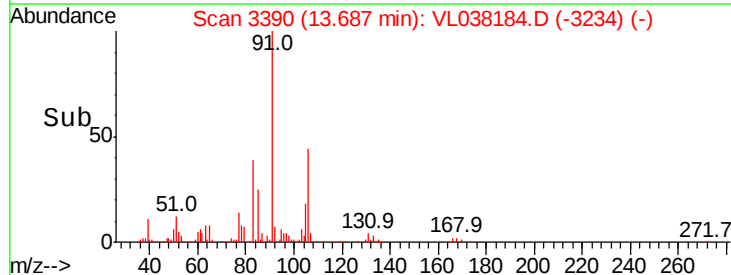
13.69

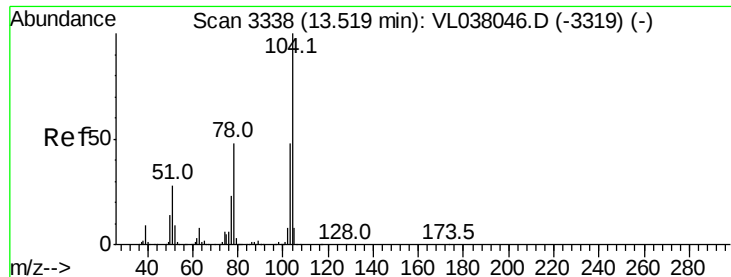
1000000

500000

0

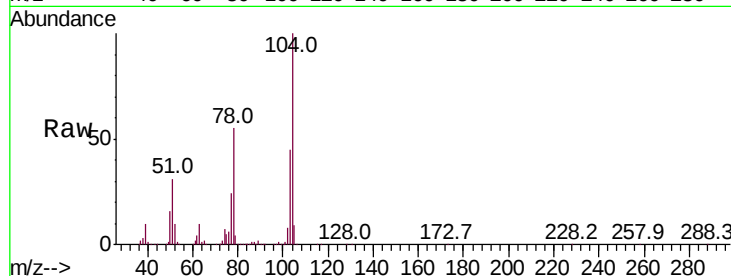
Time--> 13.60 13.70 13.80



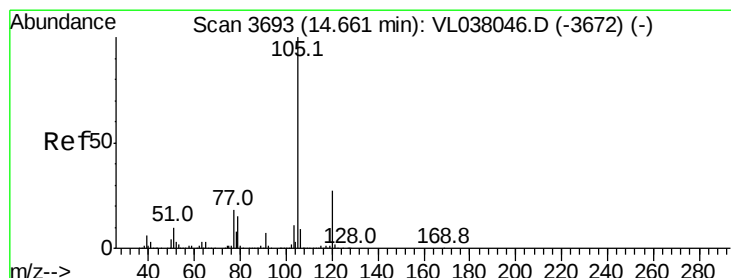
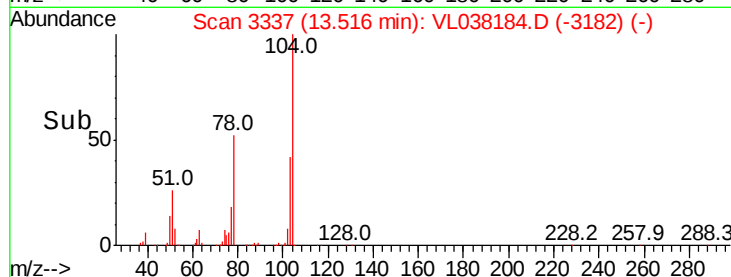
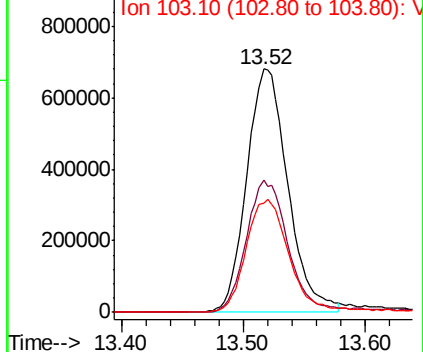


#61
Stvrene
Concen: 8.387 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Dec 2021 11:10

Tot Ion:104 Resp: 1582742
Ion Ratio Lower Upper
104 100
78 56.5 39.8 59.6
103 49.1 38.2 57.2

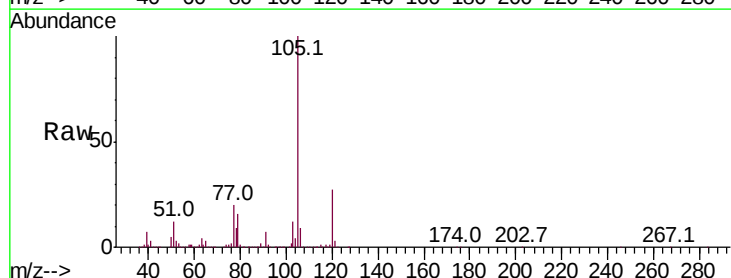


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

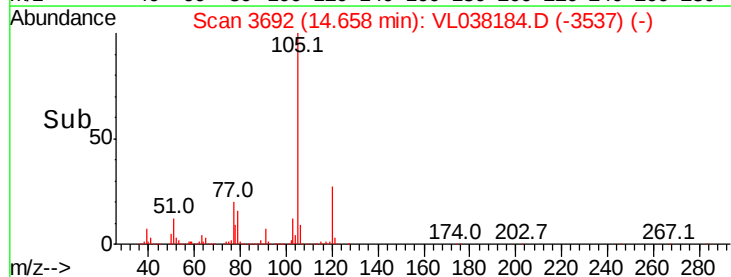
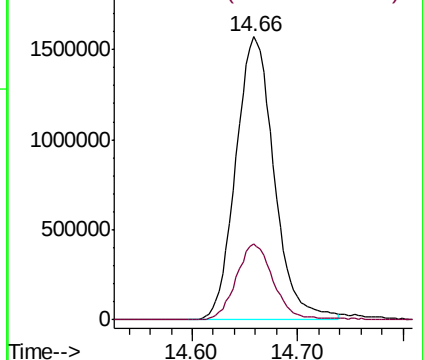


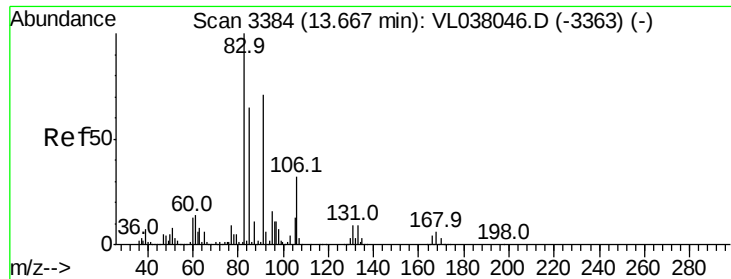
#62
Isopropylbenzene
Concen: 7.956 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL038184.D
Acq: 16 Dec 2021 11:10

Tgt Ion:105 Resp: 3975069
Ion Ratio Lower Upper
105 100
120 26.4 21.8 32.6



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: 8.354 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Dec 2021 11:10

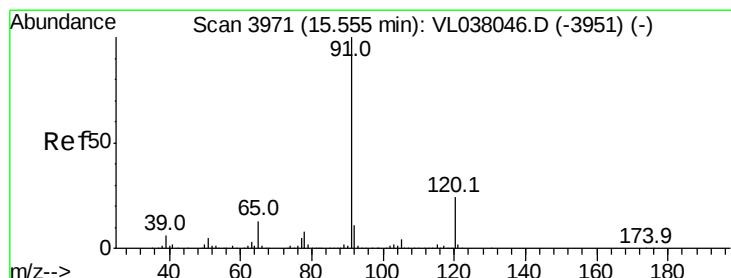
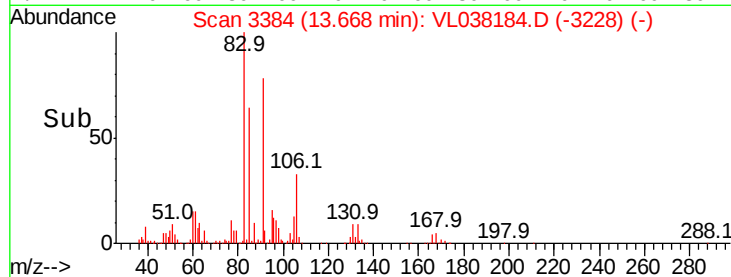
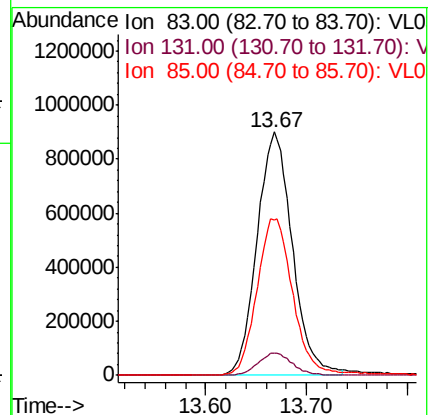
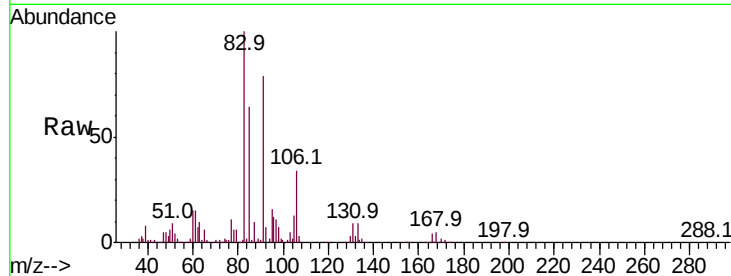
Tot Ion: 83 Resp: 2184278

Ion Ratio Lower Upper

83 100

131 9.0 4.9 14.7

85 66.7 33.4 100.1



#64

n-propylbenzene

Concen: 8.220 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL038184.D

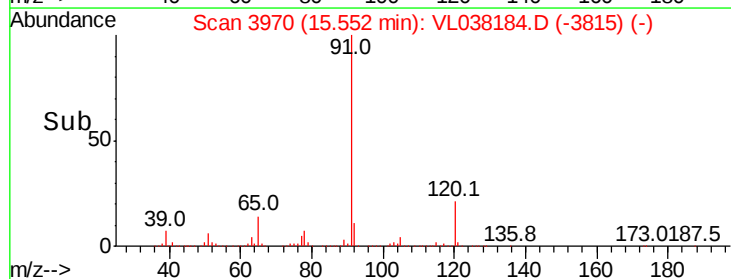
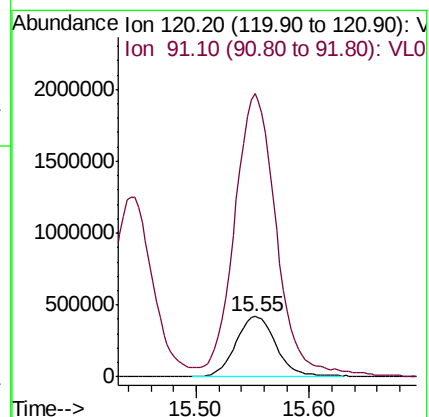
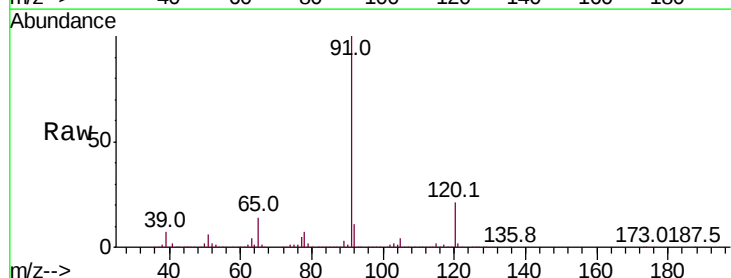
Acq: 16 Dec 2021 11:10

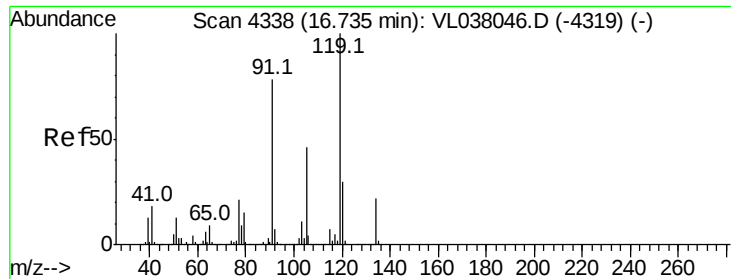
Tgt Ion:120 Resp: 1046293

Ion Ratio Lower Upper

120 100

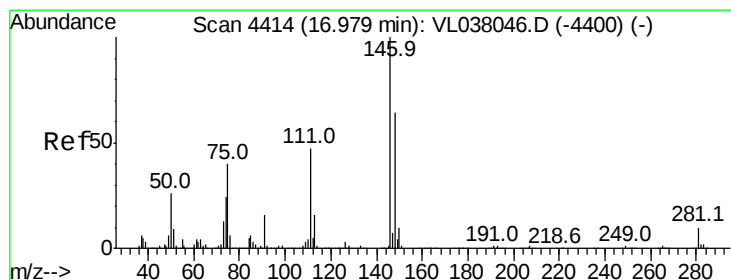
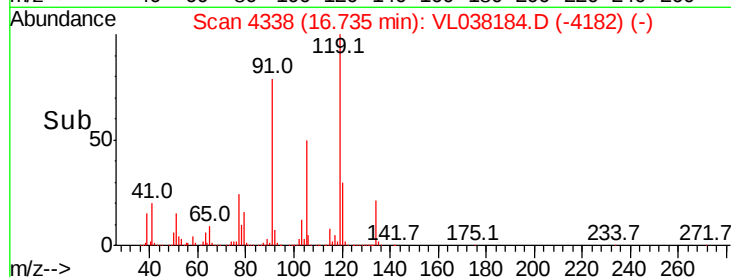
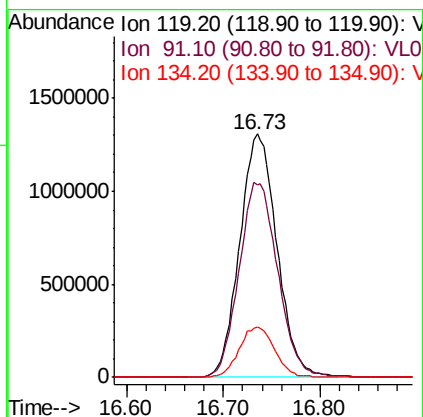
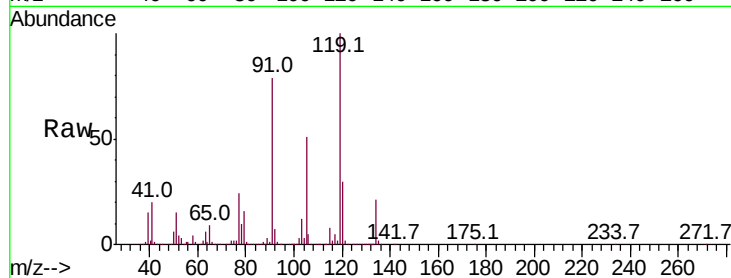
91 490.1 371.7 557.5





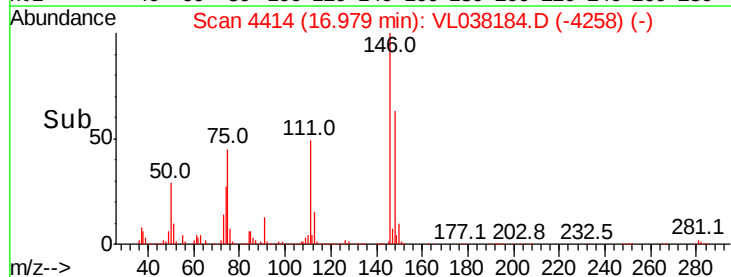
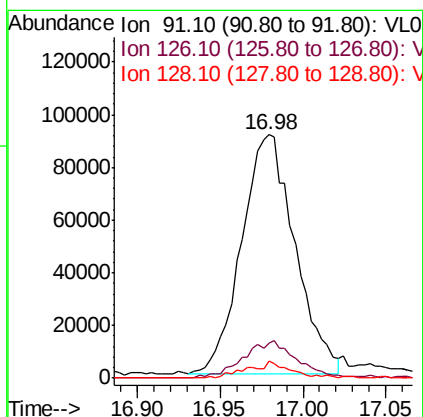
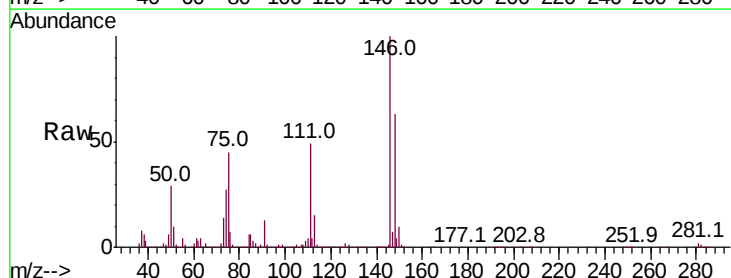
#65
 tert-Butylbenzene
 Concen: 7.954 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 11:10

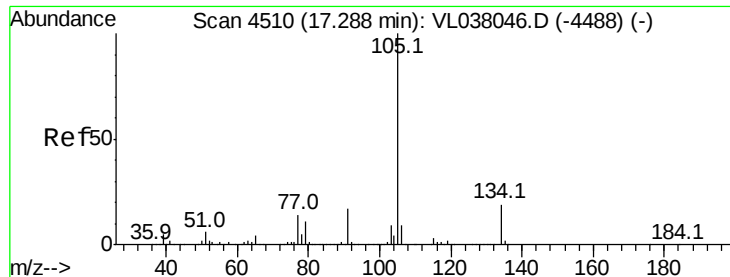
Tot Ion: 119 Resp: 3501120
 Ion Ratio Lower Upper
 119 100
 91 83.1 63.2 94.8
 134 19.8 16.1 24.1



#66
 Benzyl Chloride
 Concen: 9.099 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T.: 0.00 min
 Lab File: VL038184.D
 Acq: 16 Dec 2021 11:10

Tgt Ion: 91 Resp: 202995
 Ion Ratio Lower Upper
 91 100
 126 16.4 15.5 23.3
 128 5.8 5.6 8.4





#67

sec-Butylbenzene

Concen: 8.035 ppbv

RT: 17.28

Delta R.T. MSVOA_1

Lab File:

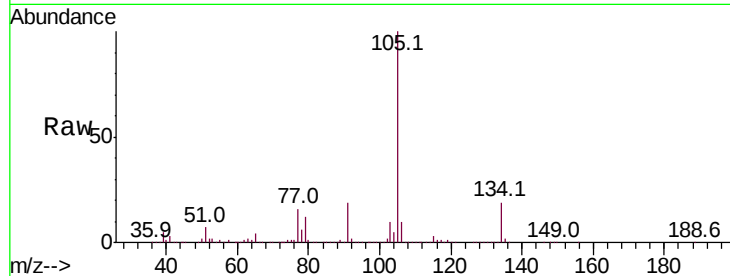
Acq: 16 Dec 2021 11:10

Tot Ion: 105 Resp: 4928056

Ion Ratio Lower Upper

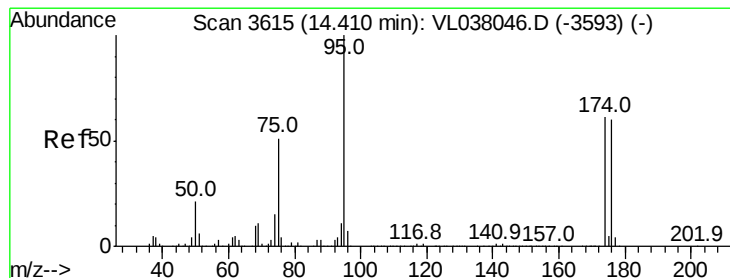
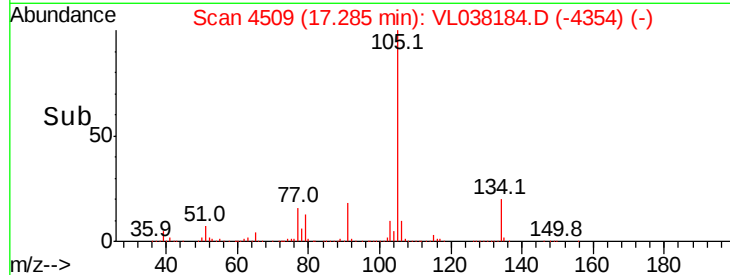
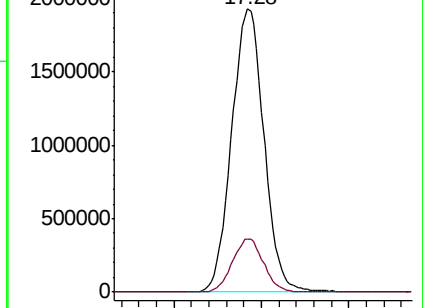
105 100

134 18.3 14.7 22.1



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: 10.714 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

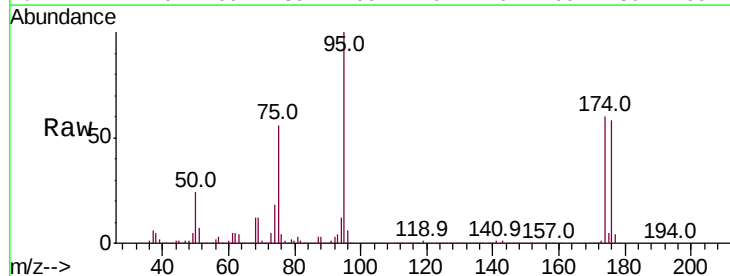
Tgt Ion: 95 Resp: 2107556

Ion Ratio Lower Upper

95 100

174 62.2 53.1 79.7

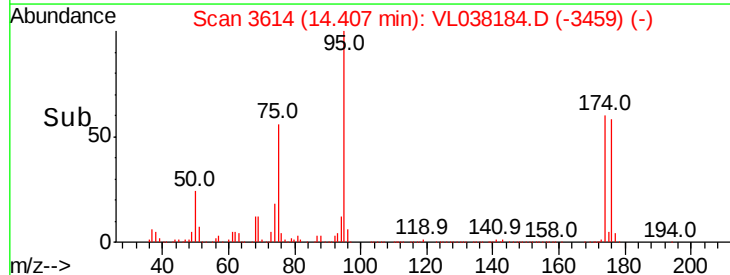
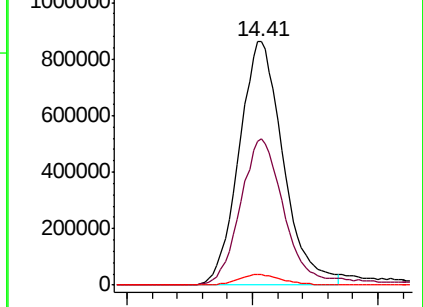
175 4.6 4.0 6.0

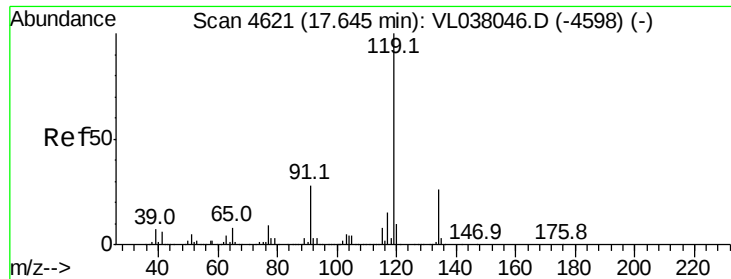


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

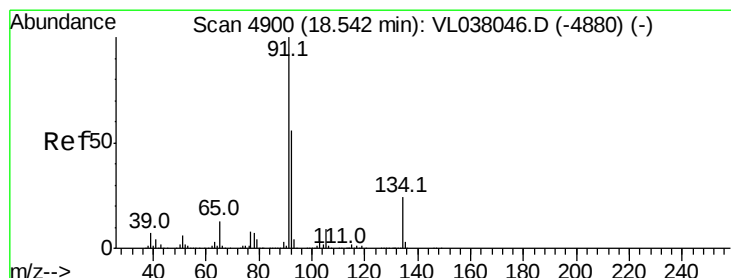
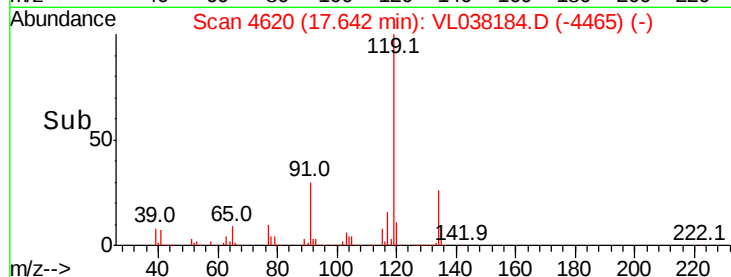
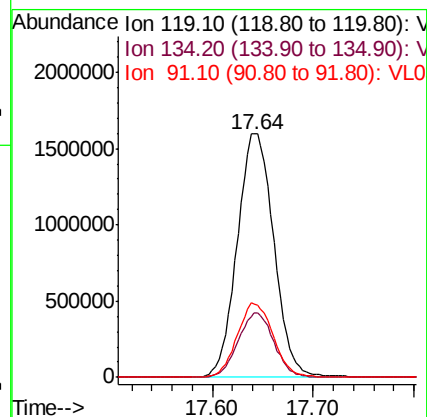
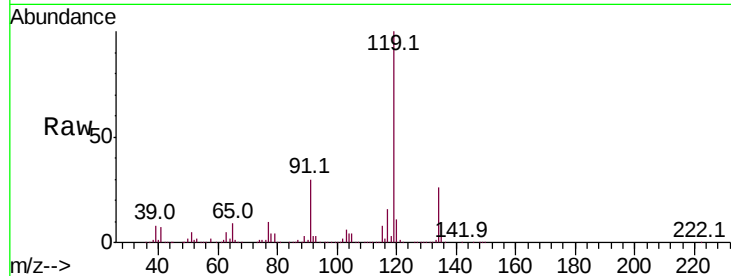
Ion 175.00 (174.70 to 175.70): V





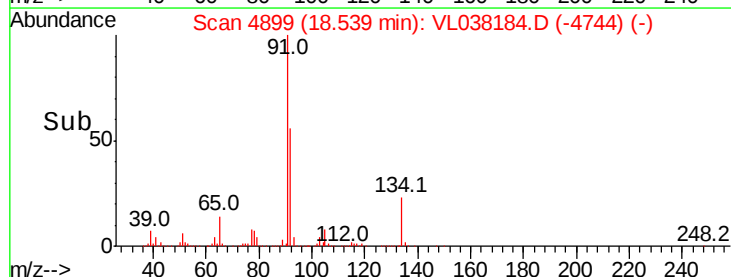
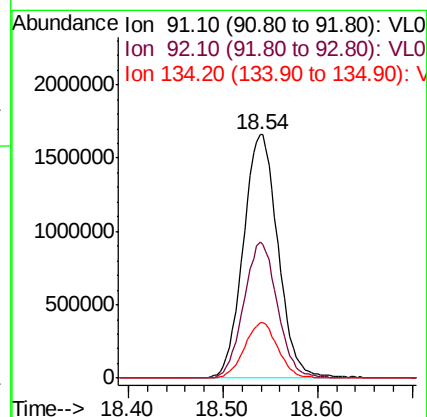
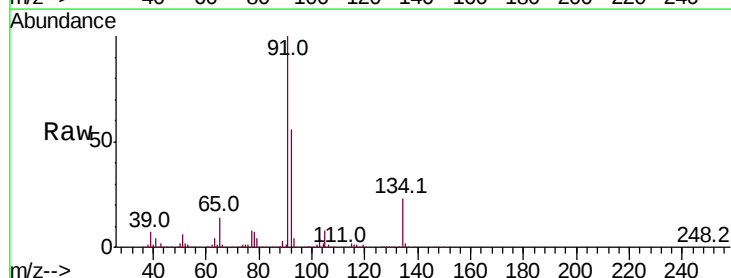
#69
 p-Isopropyltoluene
 Concen: 8.377 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 11:10

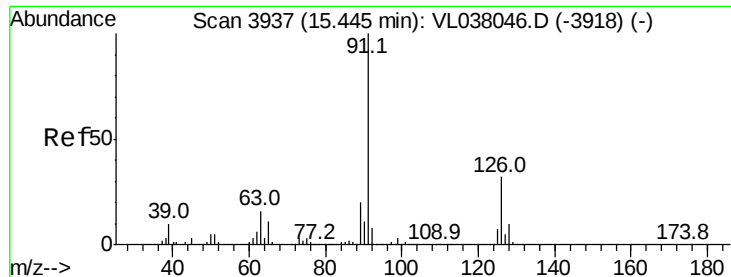
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	30.8
91	30.2	22.2	33.4



#70
 n-Butylbenzene
 Concen: 9.197 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. -0.00 min
 Lab File: VL038184.D
 Acq: 16 Dec 2021 11:10

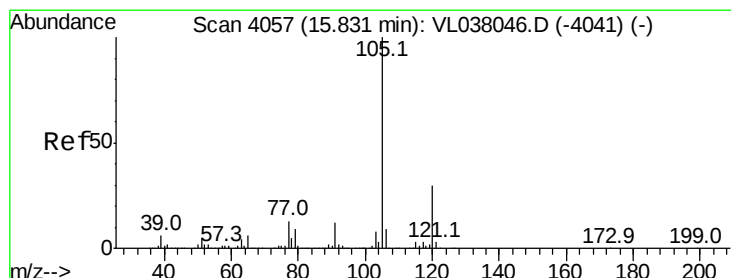
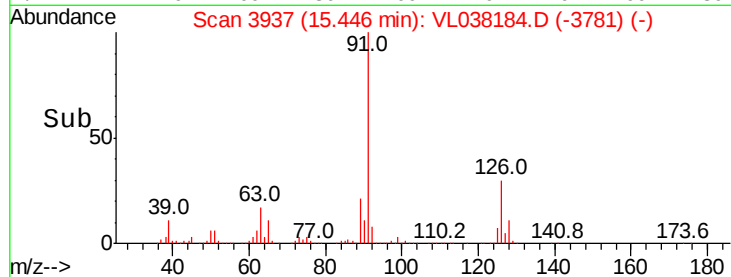
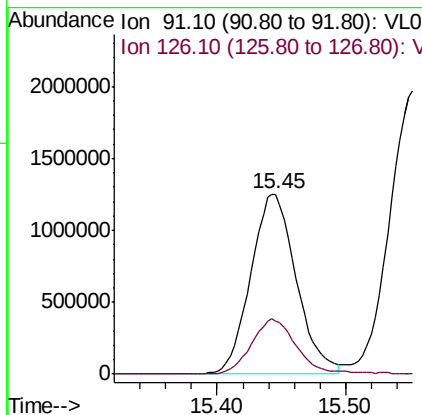
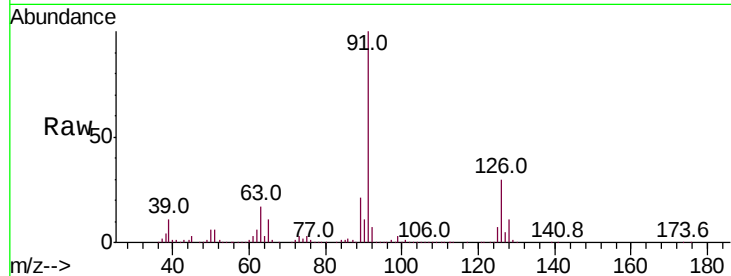
Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.1	66.1
134	22.1	18.9	28.3





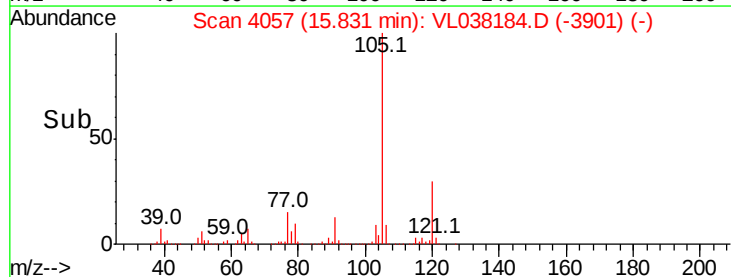
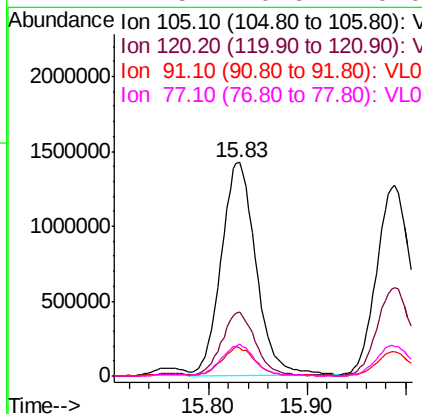
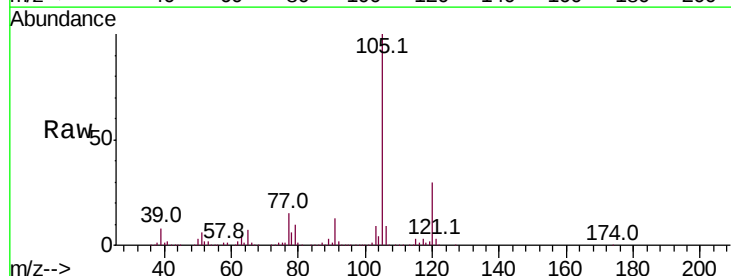
#71
 2-Chlorotoluene
 Concen: 8.419 ppbv
 RT: 15.45
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 11:10

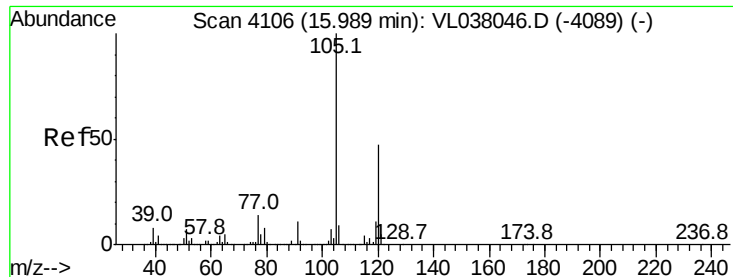
Tot Ion: 91 Resp: 3075401
 Ion Ratio Lower Upper
 91 100
 126 31.1 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 8.596 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.00 min
 Lab File: VL038184.D
 Acq: 16 Dec 2021 11:10

Tgt Ion:105 Resp: 3507977
 Ion Ratio Lower Upper
 105 100
 120 29.5 25.1 37.7
 91 12.8 9.7 14.5
 77 14.5 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 8.326 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

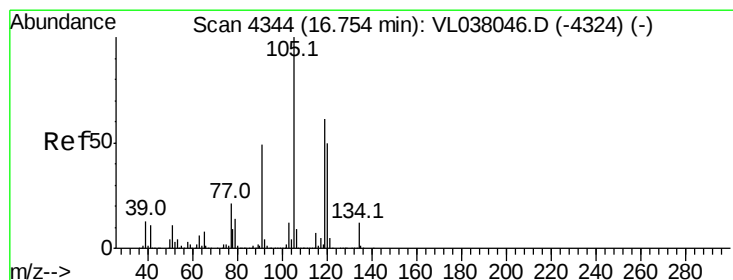
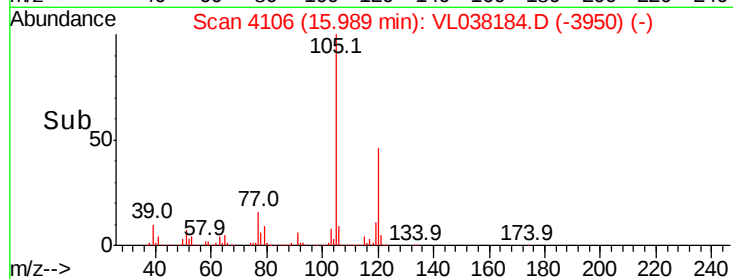
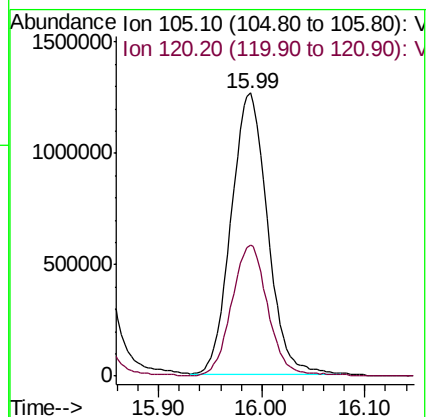
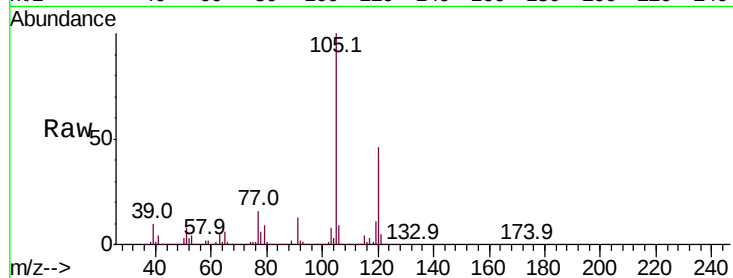
Acq: 16 Dec 2021 11:10

Tot Ion:105 Resp: 3103443

Ion Ratio Lower Upper

105 100

120 46.5 37.8 56.6



#74

1,2,4-Trimethylbenzene

Concen: 8.446 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL038184.D

Acq: 16 Dec 2021 11:10

Tgt Ion:105 Resp: 3244166

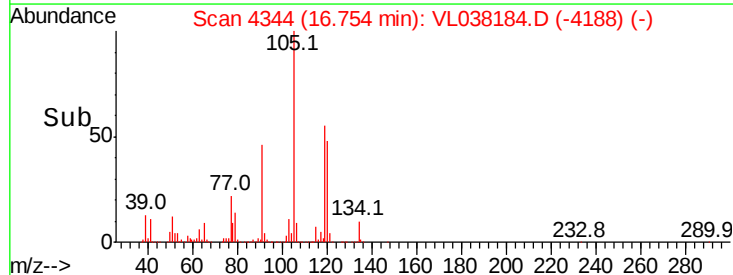
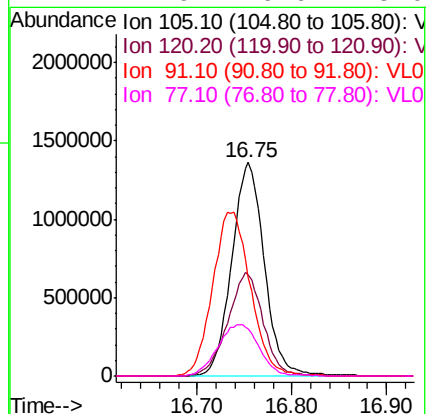
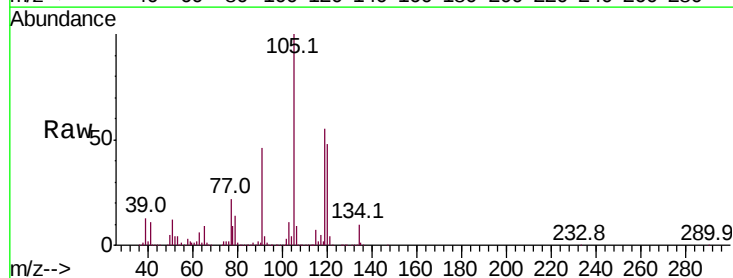
Ion Ratio Lower Upper

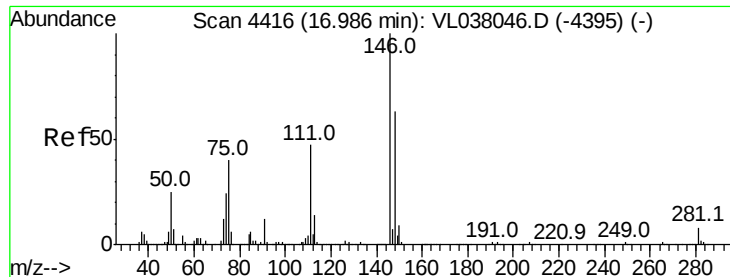
105 100

120 47.4 40.1 60.1

91 46.3 39.8 59.8

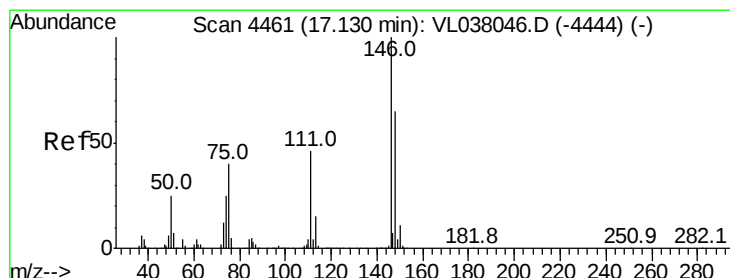
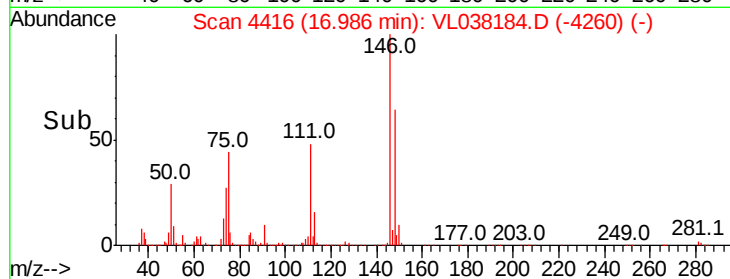
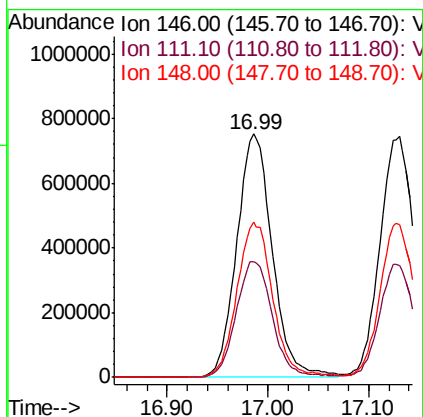
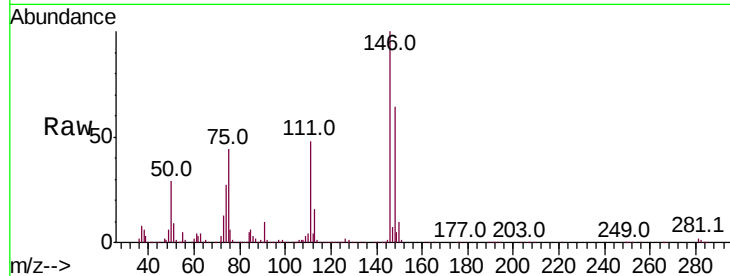
77 21.9 16.6 25.0





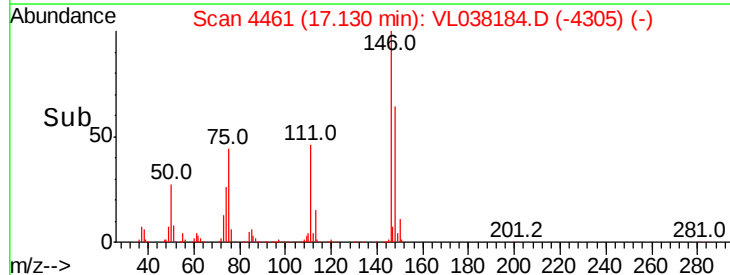
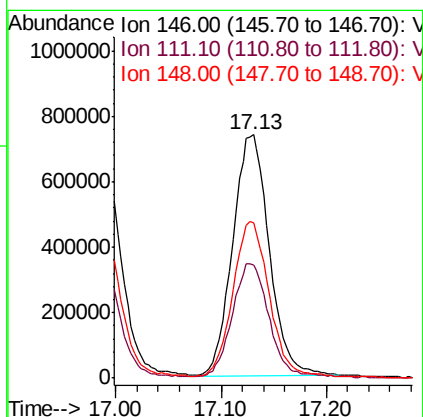
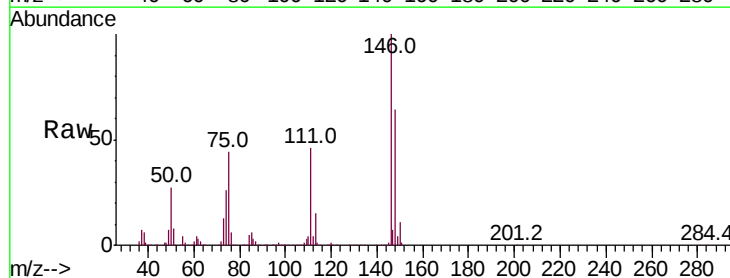
#75
 1,3-Dichlorobenzene
 Concen: 8.712 ppbv
 RT: 16.99 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 11:10

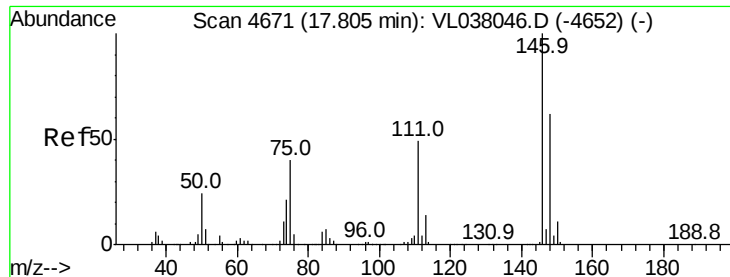
Tot Ion:146 Resp: 1837968
 Ion Ratio Lower Upper
 146 100
 111 48.5 23.5 70.6
 148 64.1 32.1 96.3



#76
 1,4-Dichlorobenzene
 Concen: 8.401 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. 0.00 min
 Lab File: VL038184.D
 Acq: 16 Dec 2021 11:10

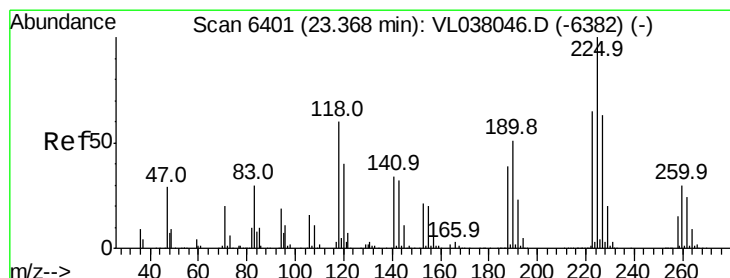
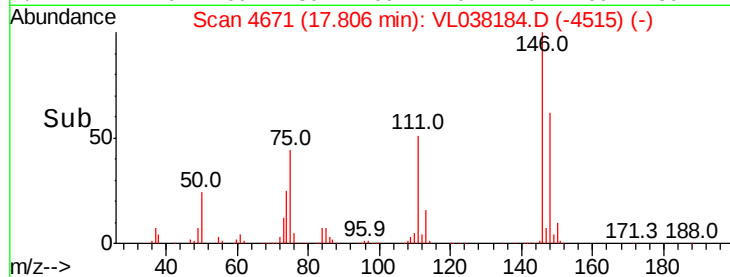
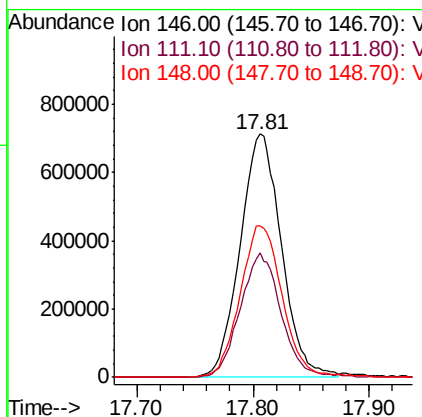
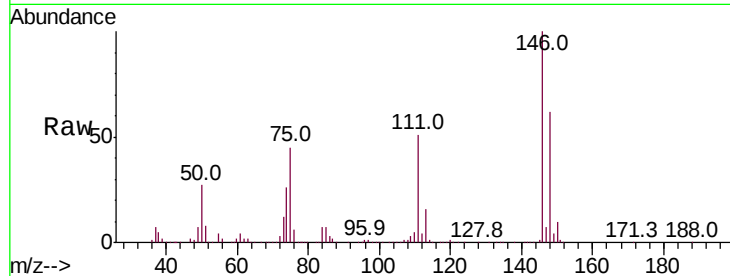
Tgt Ion:146 Resp: 1783620
 Ion Ratio Lower Upper
 146 100
 111 48.2 23.8 71.5
 148 65.8 33.2 99.6





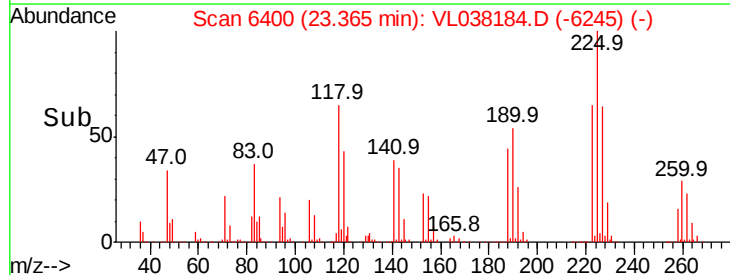
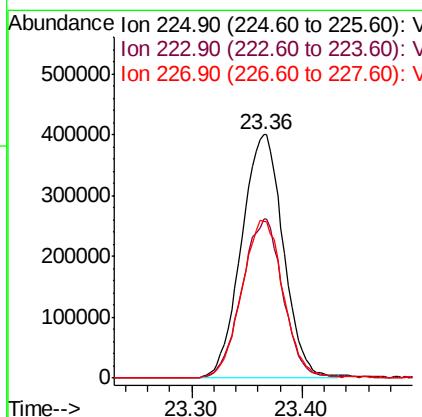
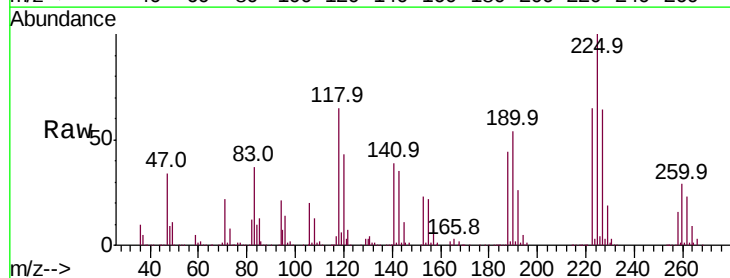
#77
 1,2-Dichlorobenzene
 Concen: 8.600 ppbv
 RT: 17.81 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Dec 2021 11:10

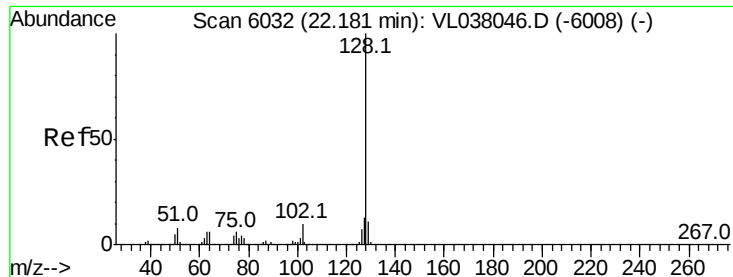
Tot Ion:146 Resp: 1756765
 Ion Ratio Lower Upper
 146 100
 111 51.1 24.8 74.4
 148 64.2 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.253 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T.: -0.00 min
 Lab File: VL038184.D
 Acq: 16 Dec 2021 11:10

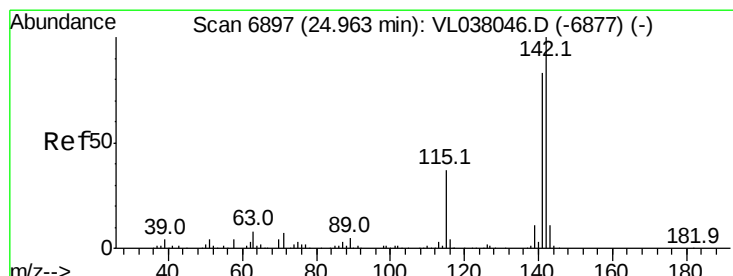
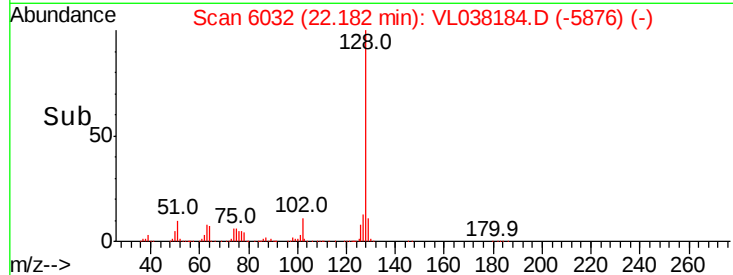
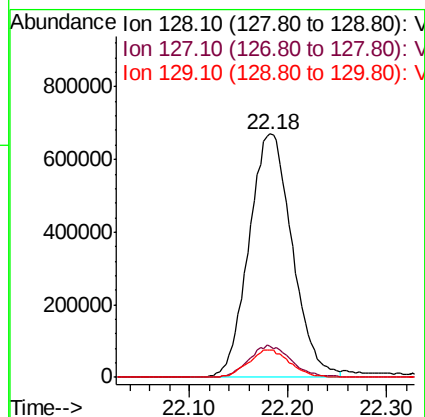
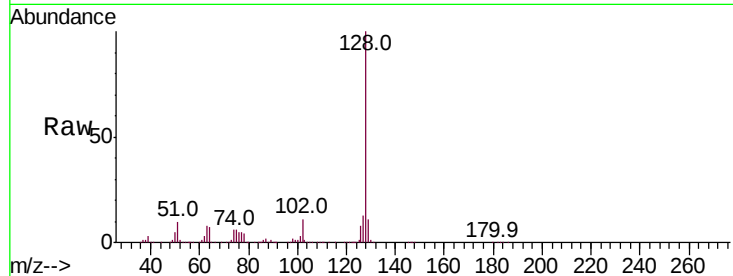
Tgt Ion:225 Resp: 1052658
 Ion Ratio Lower Upper
 225 100
 223 65.1 52.3 78.5
 227 65.1 52.4 78.6





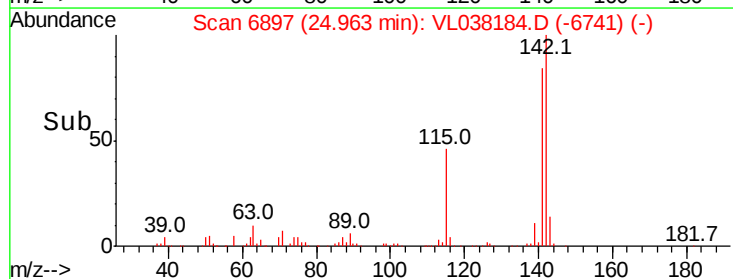
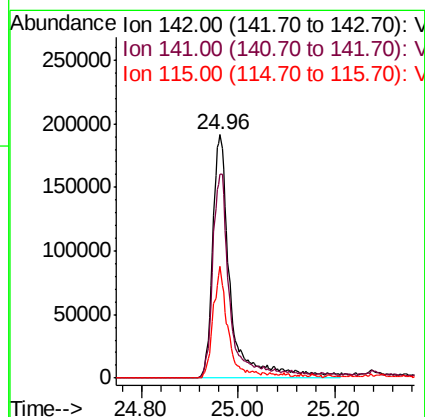
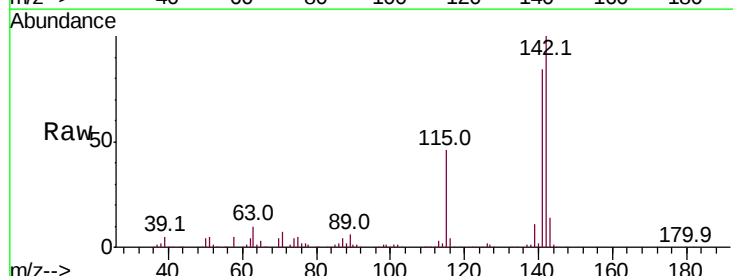
#79
Naphthalene
Concen: 10.058 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Dec 2021 11:10

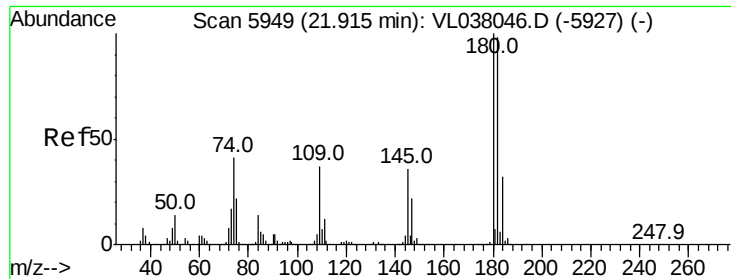
Tot Ion:	128	Resp:	2034547
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	8.9	13.3



#80
Naphthalene, 2-methyl-
Concen: 11.385 ppbv
RT: 24.96 min Scan# 6897
Delta R.T.: 0.00 min
Lab File: VL038184.D
Acq: 16 Dec 2021 11:10

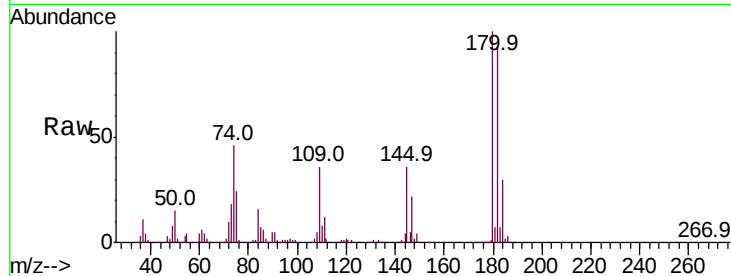
Tgt Ion:	142	Resp:	493549
Ion	Ratio	Lower	Upper
142	100		
141	82.7	67.3	100.9
115	37.9	28.9	43.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.708 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Dec 2021 11:10

Tot Ion:180 Resp: 1128389
 Ion Ratio Lower Upper
 180 100
 182 97.7 77.4 116.2
 184 31.3 25.0 37.4



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

