

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038029.D
 Acq On : 16 Nov 2021 5:36
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 16 06:07:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 16 03:19:45 2021
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	739631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3027265	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3785391	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2107703	7.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1824967	16.417	ppbv	99
3) Chlorodifluoromethane	2.99	51	2565812	17.474	ppbv	100
4) Chloromethane	3.14	50	957390	17.312	ppbv	98
5) Vinyl Chloride	3.26	62	951159	18.079	ppbv	95
6) Bromomethane	3.47	94	506447	17.805	ppbv	99
7) Chloroethane	3.56	64	331997	17.378	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2069269	16.404	ppbv	98
9) Propene	3.02	41	978417	18.288	ppbv	99
10) Heptane	8.12	43	2357965	19.113	ppbv	98
11) Trichlorofluoromethane	3.95	101	2073961	18.794	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1595038	18.511	ppbv	99
13) Ethanol	3.61	45	70653	13.590	ppbv	86
14) Bromoethene	3.74	108	674493	18.209	ppbv	97
15) Acetone	3.85	43	1137650	17.547	ppbv	99
16) 1,3-Butadiene	3.33	39	926236	18.199	ppbv	98
17) tert-Butyl alcohol	4.29	59	1439955	19.502	ppbv	98
18) 1,1-Dichloroethene	4.29	96	737585	18.502	ppbv	94
19) Isopropyl Alcohol	3.97	45	754683	17.705	ppbv	92
20) Methylene Chloride	4.35	84	629768	17.705	ppbv	99
21) Allyl Chloride	4.41	41	1259827	20.543	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	804774	20.061	ppbv	99
23) Vinyl Acetate	5.07	43	2019933	19.930	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1571492	19.108	ppbv	99
25) Ethyl Acetate	5.67	43	2697201	14.686	ppbv	99
26) Hexane	5.69	57	1284874	14.687	ppbv	99
27) Carbon Disulfide	4.55	76	2006639	21.678	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1867094	22.597	ppbv	100
29) Chloroform	5.75	83	1813362	13.522	ppbv	98
30) Cyclohexane	7.13	84	1543500	19.342	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1242453	15.810	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2567848	19.167	ppbv	99
34) 2-Butanone	5.24	43	1276633	11.743	ppbv	99
35) Carbon Tetrachloride	7.01	117	2576947	13.894	ppbv	100
36) Benzene	6.89	78	3658034	14.634	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1840555	15.413	ppbv	99
38) Trichloroethene	7.83	130	1323381	12.929	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1458523	15.316	ppbv	99
40) 1,4-Dioxane	7.83	88	333513	13.615	ppbv #	100
41) Tetrahydrofuran	6.05	42	946482	16.575	ppbv	100
42) Bromodichloromethane	7.79	83	2756387	15.181	ppbv	100
43) Methyl Methacrylate	8.01	69	1353505	16.311	ppbv	97

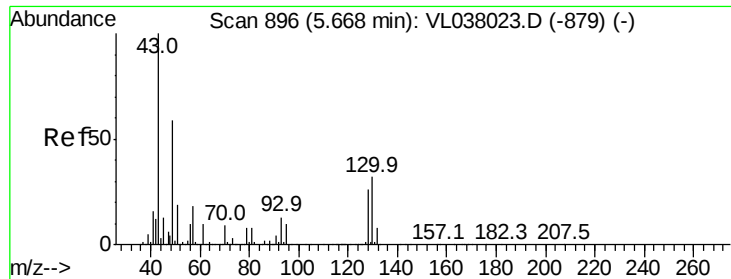
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038029.D
 Acq On : 16 Nov 2021 5:36
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Quant Time: Nov 16 06:07:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 16 03:19:45 2021
 QLast Update : Tue Nov 16 03:19:45 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5821850	13.755	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1280389	20.331	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1556874	18.367	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1480439	14.065	ppbv	96
48) Dibromochloromethane	10.30	129	2409155	15.976	ppbv	99
49) Bromoform	13.03	173	1829054	15.437	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2408874	16.065	ppbv	100
51) 2-Hexanone	10.13	43	1173838	18.129	ppbv	99
52) Tetrachloroethene	11.22	164	1244666	13.279	ppbv	98
53) Toluene	9.80	91	4184114	15.593	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2123414	15.544	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1556552	10.219	ppbv	88
57) Chlorobenzene	12.14	112	2901595	9.696	ppbv	99
58) Ethyl Benzene	12.70	91	5370999	11.551	ppbv	99
59) m/p-Xylene	12.99	91	4991795	12.229	ppbv #	48
60) o-Xylene	13.69	91	3974676	10.346	ppbv	100
61) Styrene	13.52	104	2516916	13.907	ppbv	99
62) Isopropylbenzene	14.66	105	5764811	10.499	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2782923	8.419	ppbv	100
64) n-propylbenzene	15.55	120	1568193	11.229	ppbv	90
65) tert-Butylbenzene	16.73	119	4719405	9.793	ppbv	100
66) Benzyl Chloride	16.98	91	393967	15.028	ppbv	98
67) sec-Butylbenzene	17.28	105	6626243	9.978	ppbv	99
69) p-Isopropyltoluene	17.64	119	5467794	10.284	ppbv	99
70) n-Butylbenzene	18.54	91	5214222	10.682	ppbv	99
71) 2-Chlorotoluene	15.44	91	4181826	10.915	ppbv	100
72) 4-Ethyltoluene	15.83	105	5024271	11.296	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4429299	10.721	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4223662	9.811	ppbv	93
75) 1,3-Dichlorobenzene	16.99	146	2547176	9.541	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2507560	9.681	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2404158	9.598	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	1319771	6.379	ppbv	100
79) Naphthalene	22.18	128	2792853	11.776	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	735275	18.010	ppbv	93
81) 1,2,4-Trichlorobenzene	21.91	180	1463297	9.488	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 Nov 2021 5:30

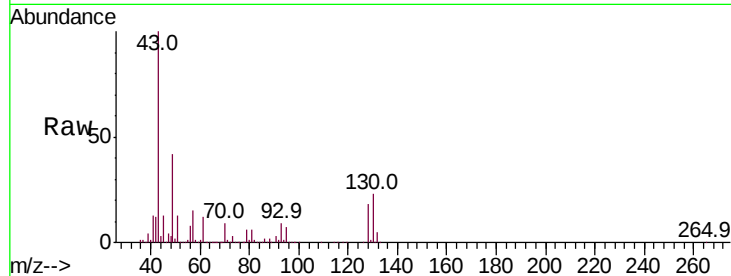
Tot Ion: 49 Resp: 739631

Ion Ratio Lower Upper

49 100

128 49.4 23.4 70.2

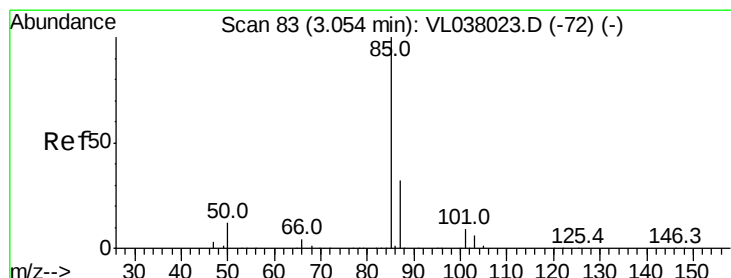
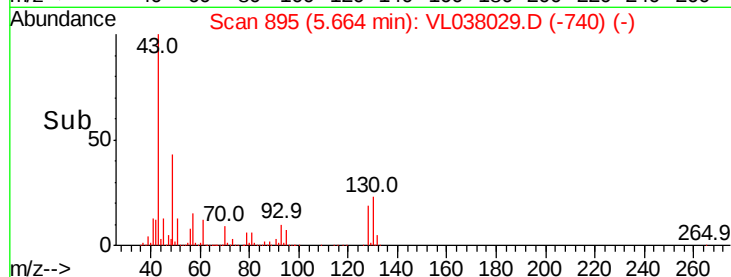
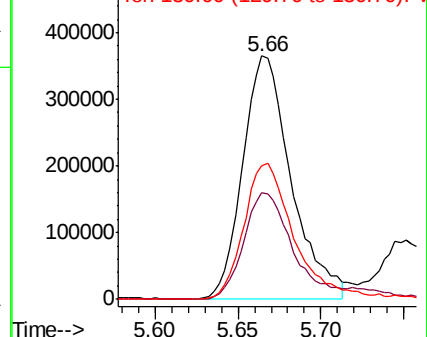
130 60.6 29.1 87.3



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: 16.417 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038029.D

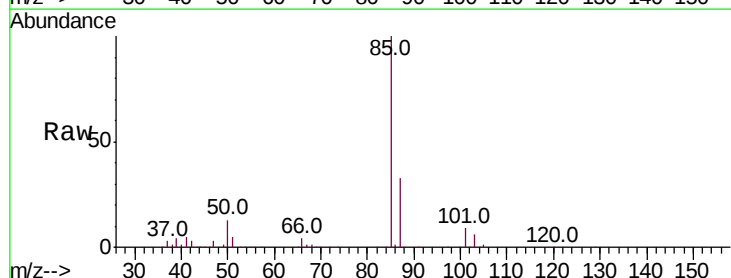
Acq: 16 Nov 2021 5:36

Tgt Ion: 85 Resp: 1824967

Ion Ratio Lower Upper

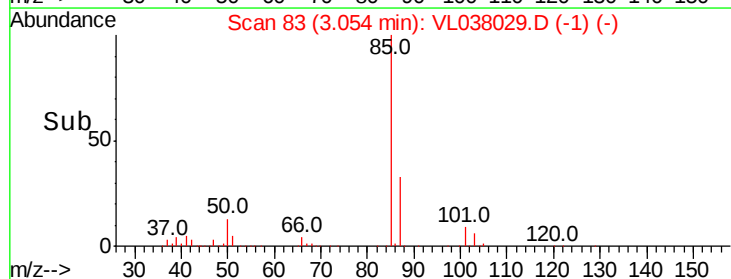
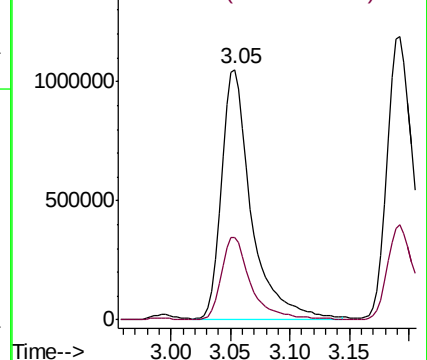
85 100

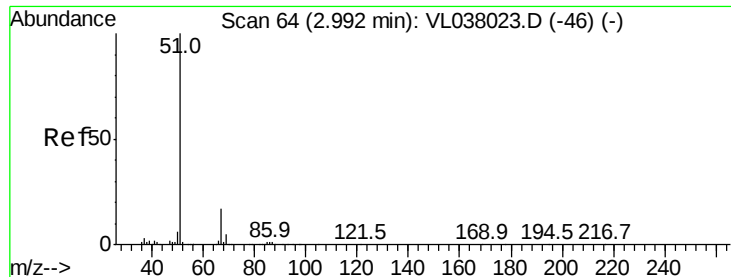
87 32.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 17.474 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

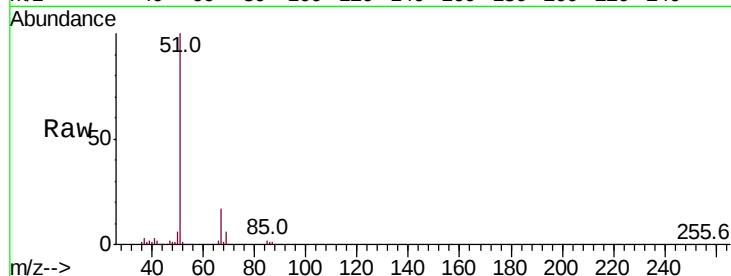
Acq: 16 Nov 2021 5:30

Tot Ion: 51 Resp: 2565812

Ion Ratio Lower Upper

51 100

67 17.1 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

1500000

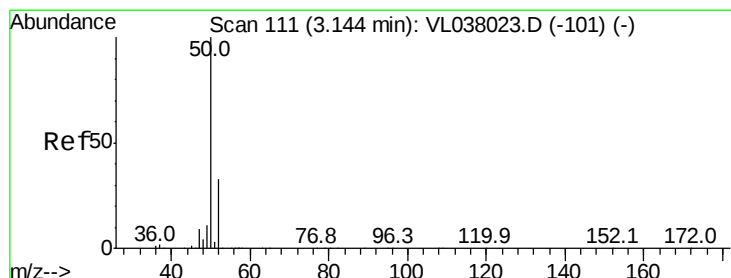
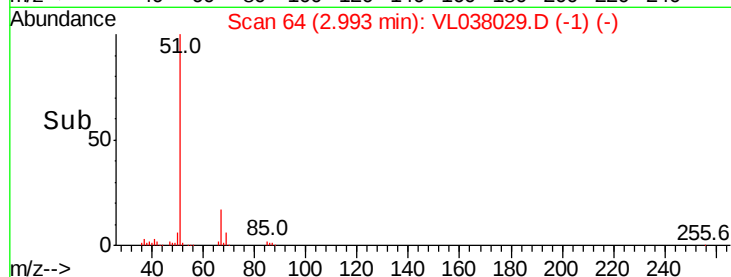
1000000

500000

0

Time-->

2.90 3.00 3.10



#4

Chloromethane

Concen: 17.312 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038029.D

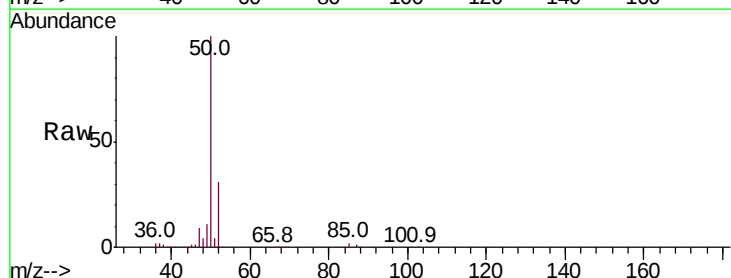
Acq: 16 Nov 2021 5:36

Tgt Ion: 50 Resp: 957390

Ion Ratio Lower Upper

50 100

52 31.7 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

600000

500000

400000

300000

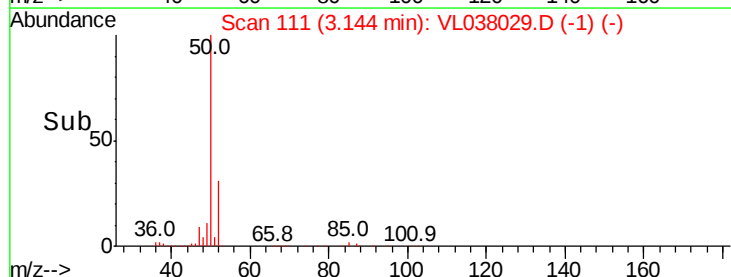
200000

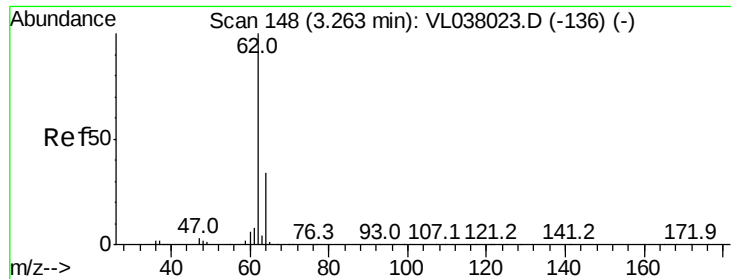
100000

0

Time-->

3.10 3.15 3.20





#5

Vinyl Chloride

Concen: 18.079 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

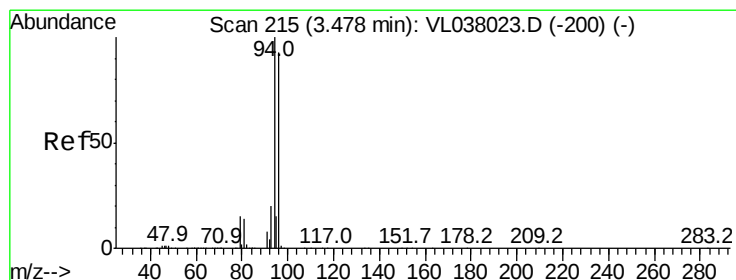
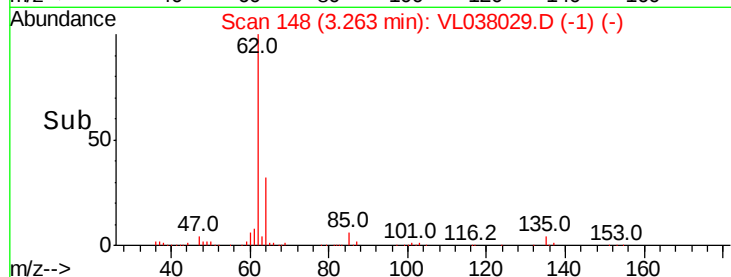
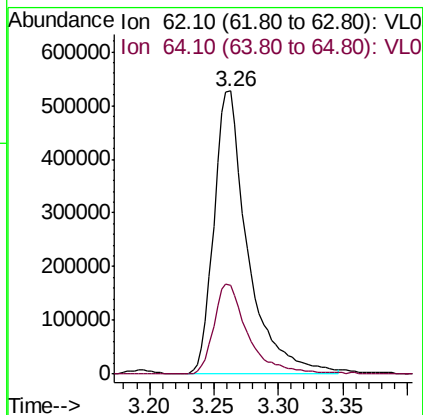
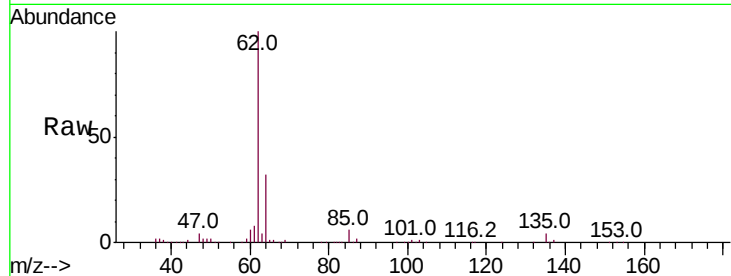
Acq: 16 Nov 2021 5:30

Tot Ion: 62 Resp: 951159

Ion Ratio Lower Upper

62 100

64 31.5 27.4 41.0



#6

Bromomethane

Concen: 17.805 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL038029.D

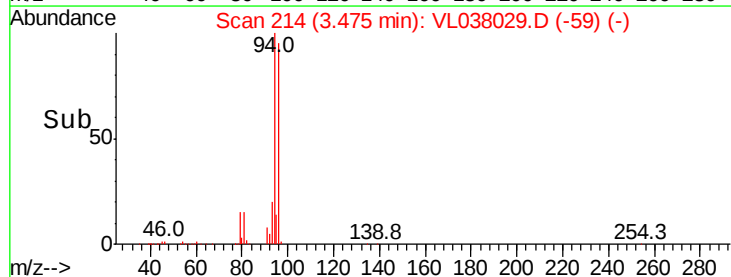
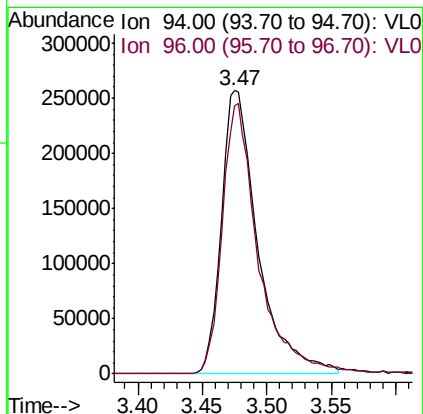
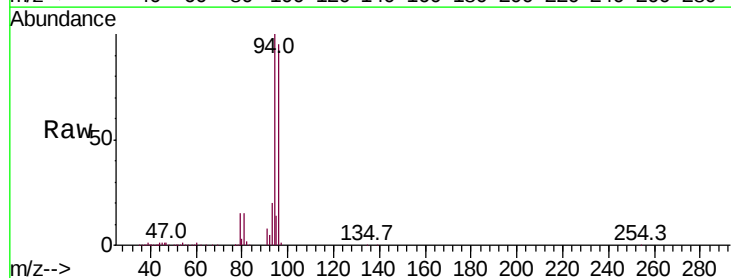
Acq: 16 Nov 2021 5:36

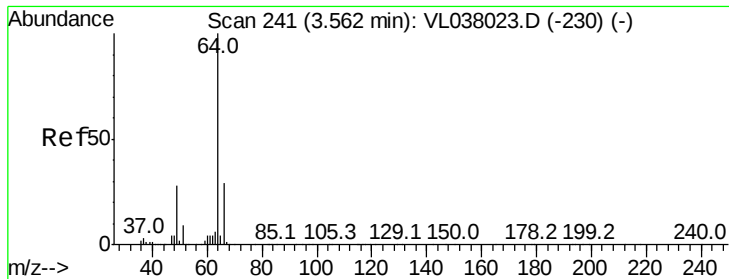
Tgt Ion: 94 Resp: 506447

Ion Ratio Lower Upper

94 100

96 94.6 74.8 112.2





#7

Chloroethane

Concen: 17.378 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

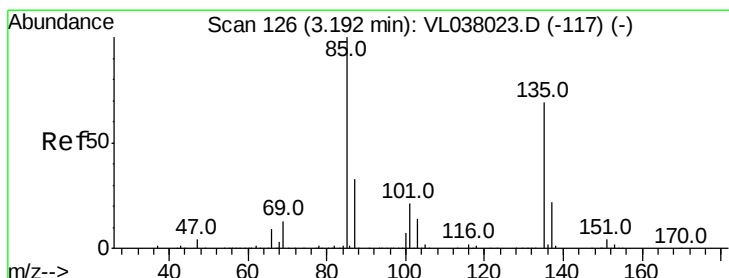
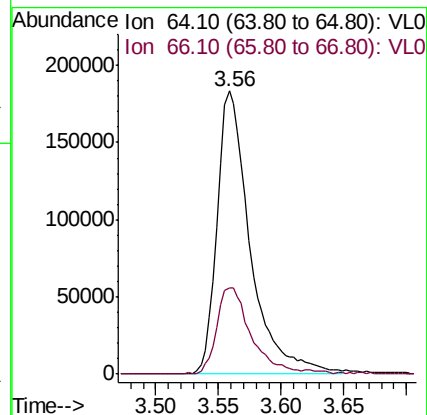
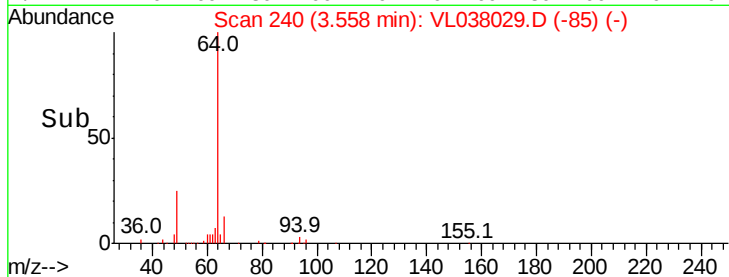
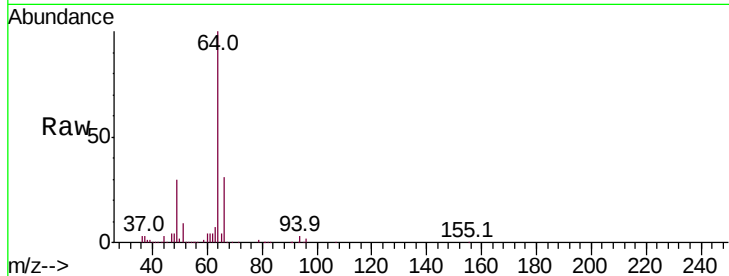
Acq: 16 Nov 2021 3:36

Tot Ion: 64 Resp: 331997

Ion Ratio Lower Upper

64 100

66 30.5 23.1 34.7



#8

Dichlorotetrafluoroethane

Concen: 16.404 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038029.D

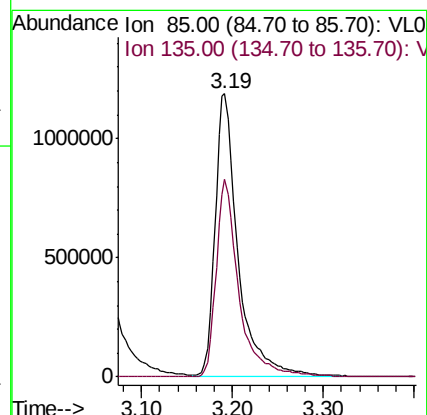
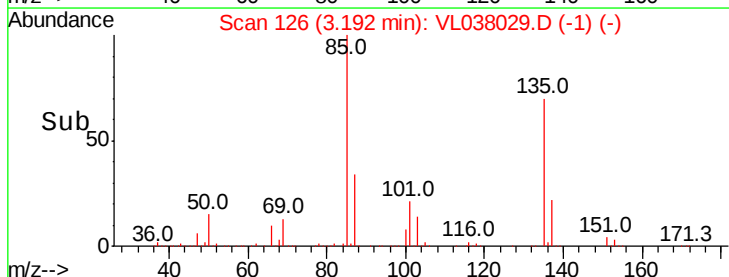
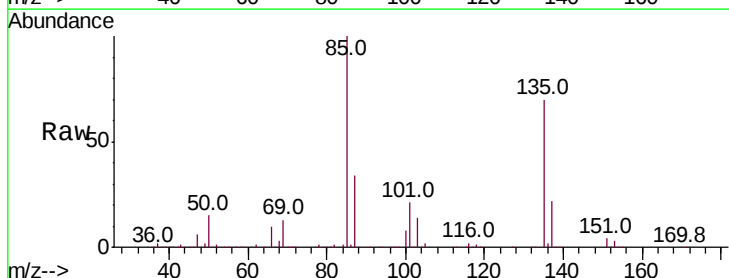
Acq: 16 Nov 2021 5:36

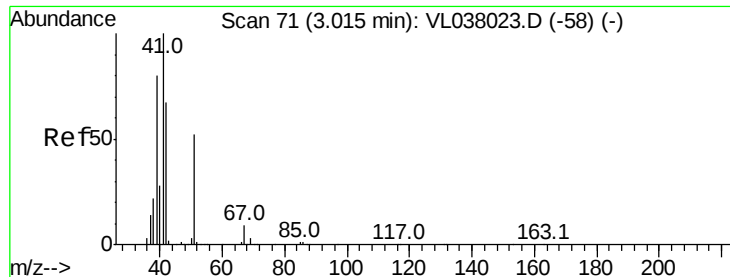
Tgt Ion: 85 Resp: 2069269

Ion Ratio Lower Upper

85 100

135 70.0 57.0 85.6





#9

Propene

Concen: 18.288 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

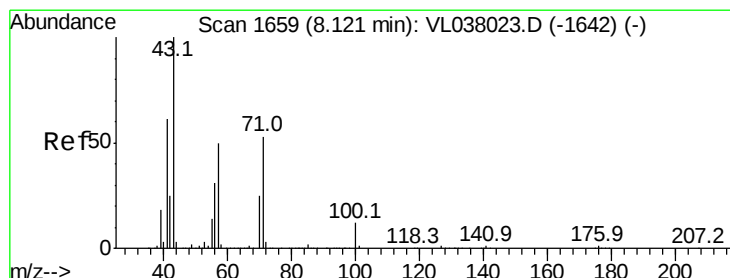
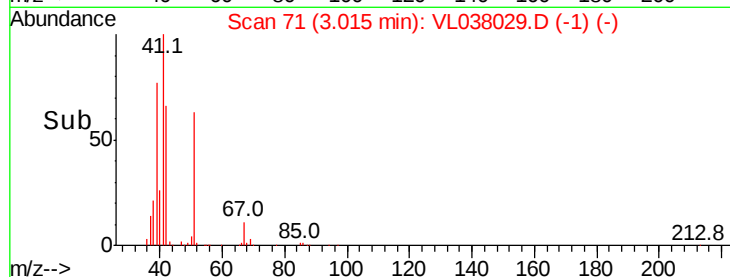
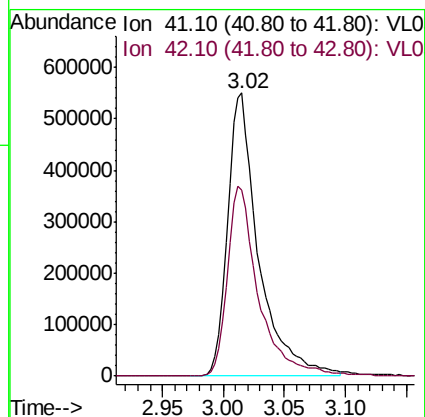
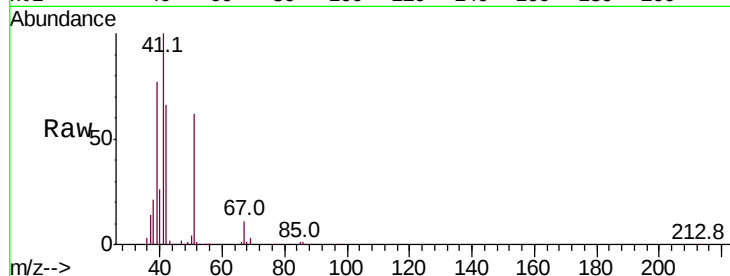
Acq: 16 Nov 2021 5:30

Tot Ion: 41 Resp: 978417

Ion Ratio Lower Upper

41 100

42 68.1 55.4 83.0



#10

Heptane

Concen: 19.113 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL038029.D

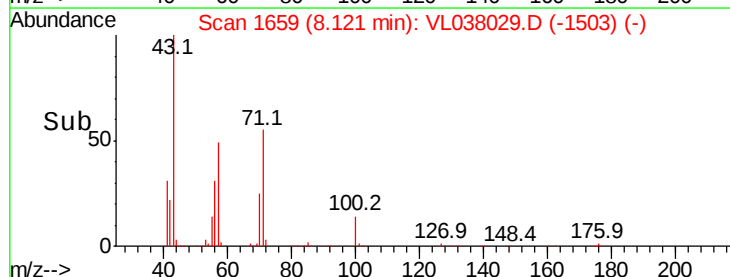
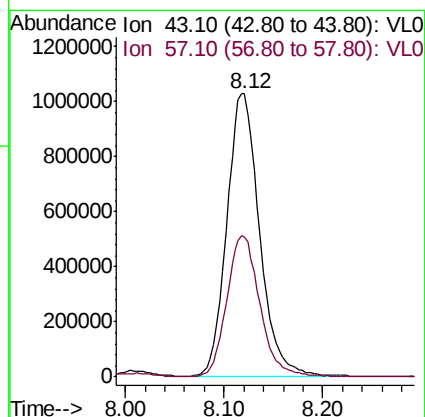
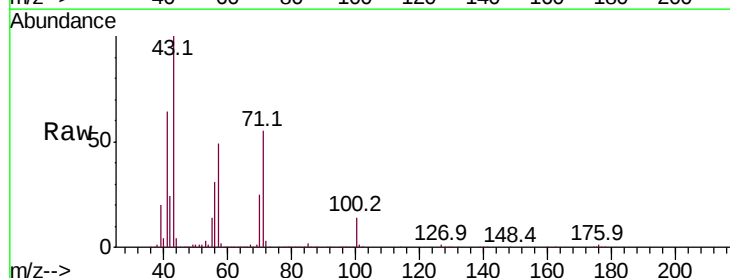
Acq: 16 Nov 2021 5:36

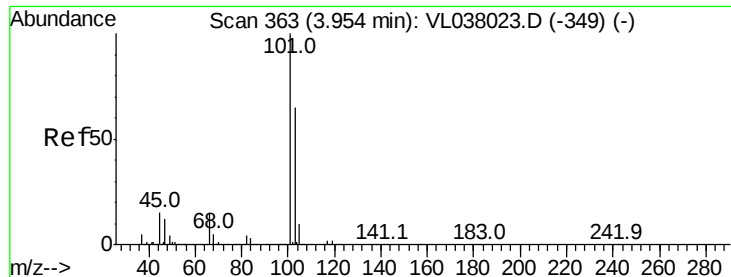
Tgt Ion: 43 Resp: 2357965

Ion Ratio Lower Upper

43 100

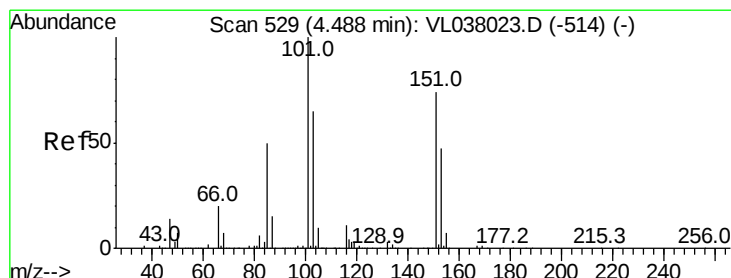
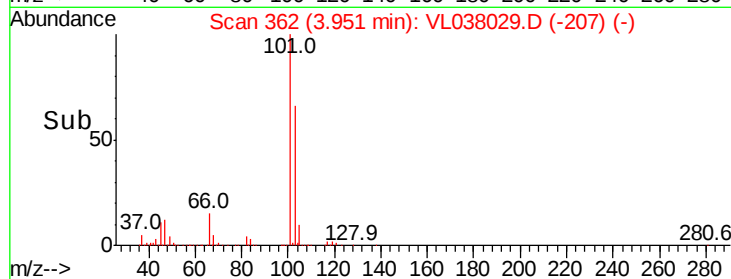
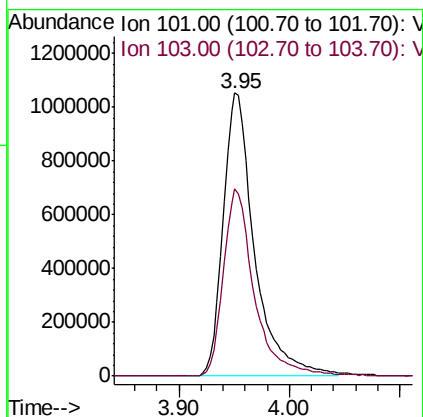
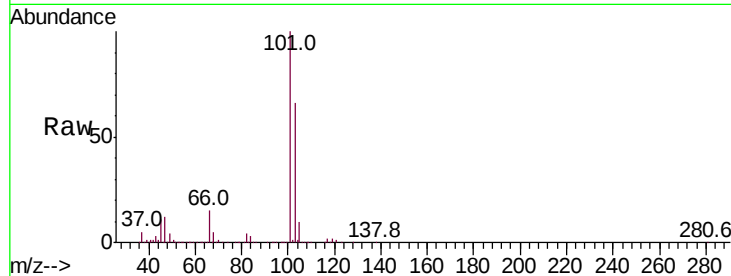
57 51.1 39.9 59.9





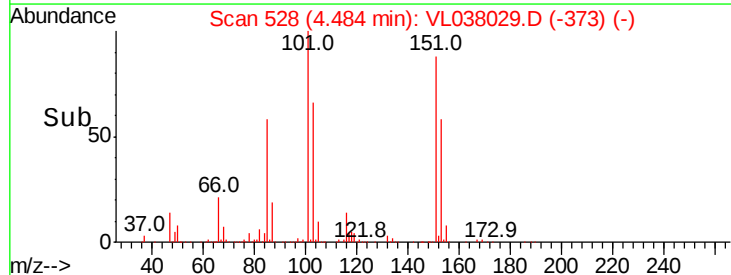
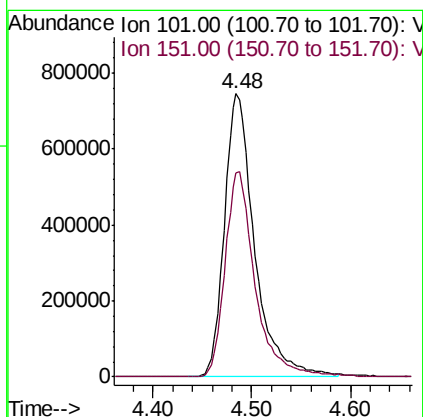
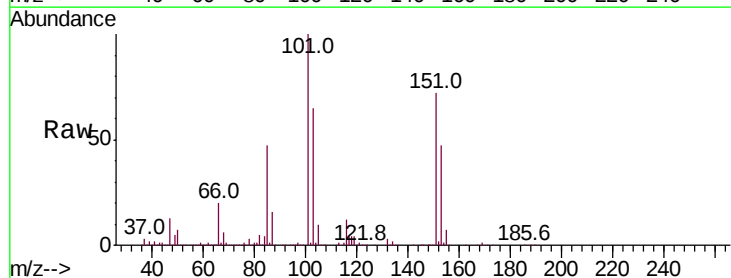
#11
 Trichlorofluoromethane
 Concen: 18.794 ppbv
 RT: 3.95 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 3:38

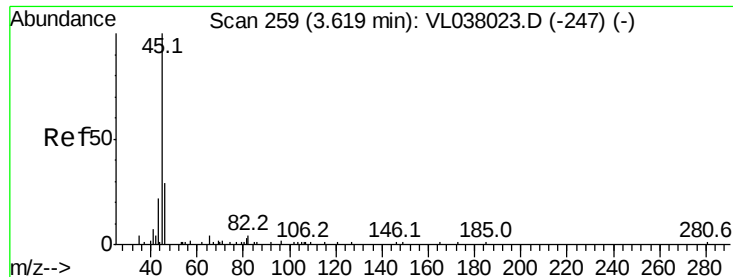
Tot Ion:101 Resp: 2073961
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.3 78.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.511 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion:101 Resp: 1595038
 Ion Ratio Lower Upper
 101 100
 151 73.1 57.9 86.9





#13

Ethanol

Concen: 13.590 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

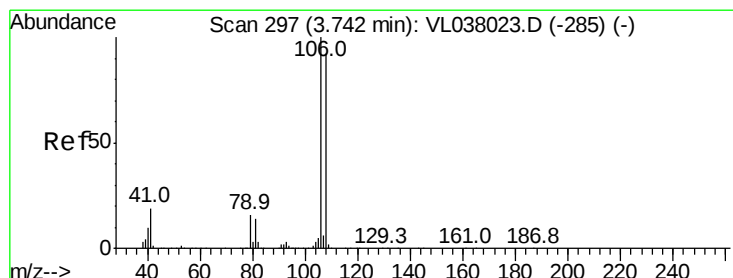
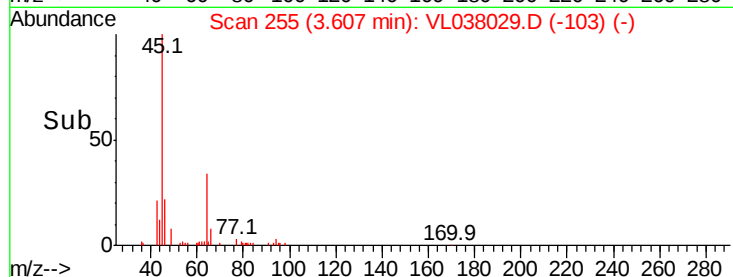
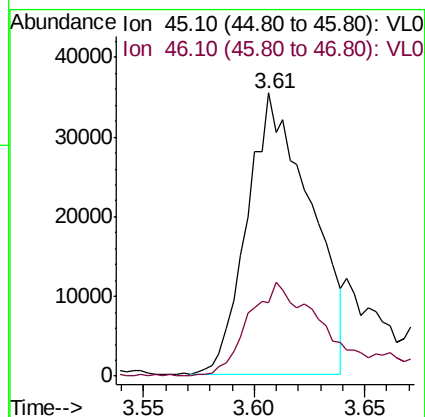
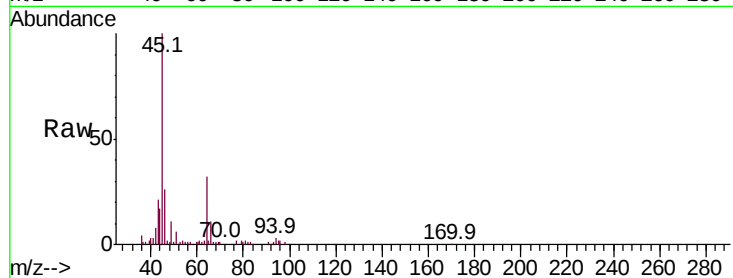
Acq: 16 Nov 2021 5:30

Tot Ion: 45 Resp: 70653

Ion Ratio Lower Upper

45 100

46 47.0 15.5 61.9



#14

Bromoethene

Concen: 18.209 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

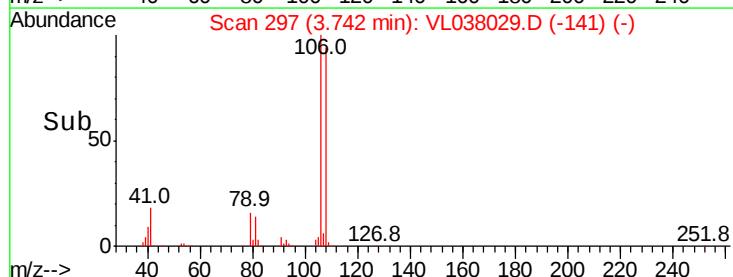
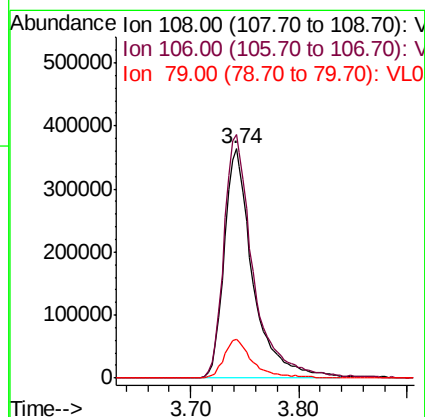
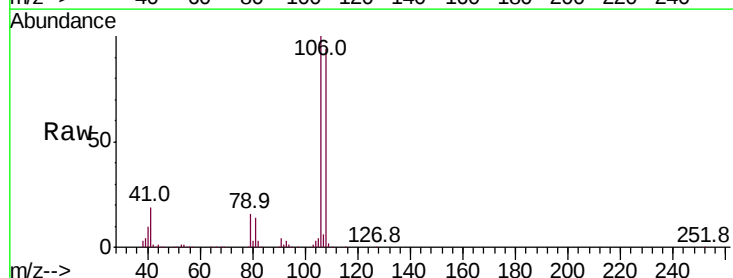
Tgt Ion: 108 Resp: 674493

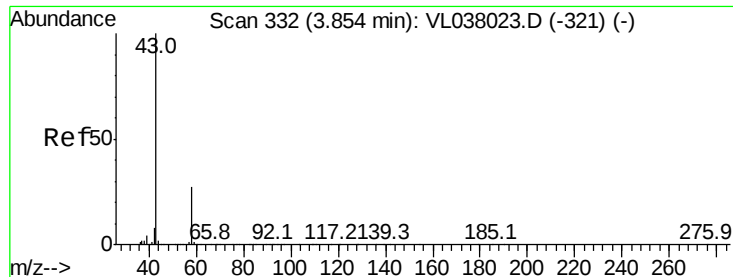
Ion Ratio Lower Upper

108 100

106 109.3 90.4 135.6

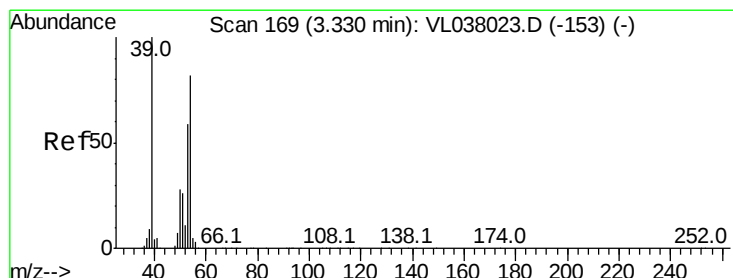
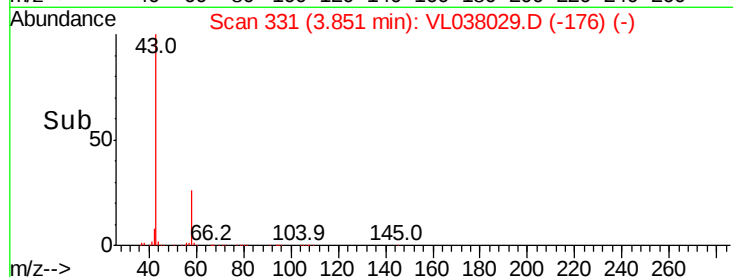
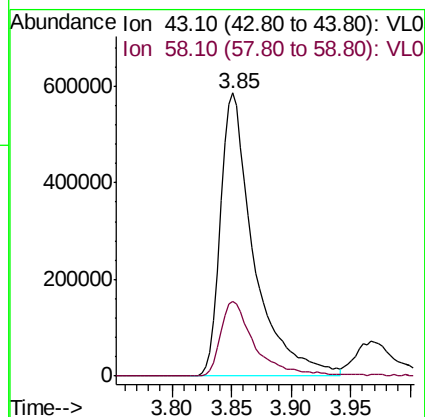
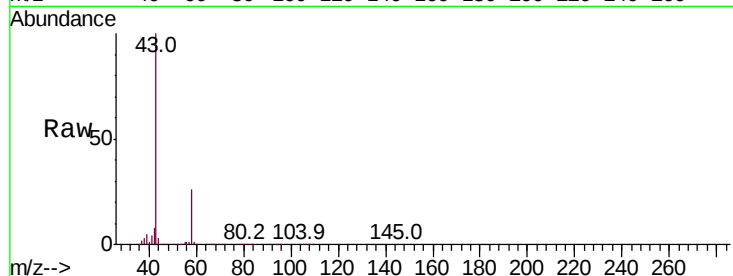
79 17.7 14.1 21.1





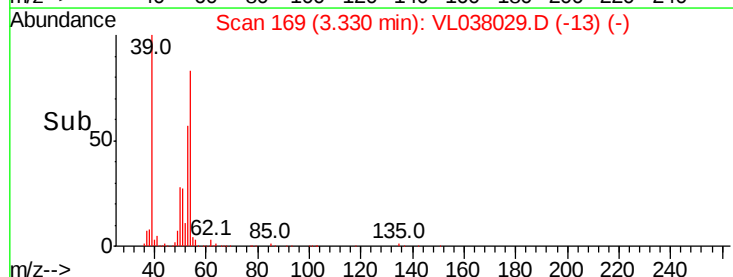
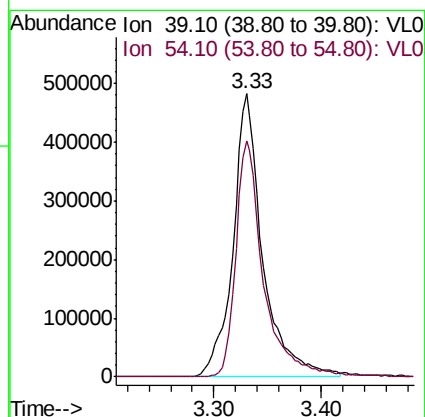
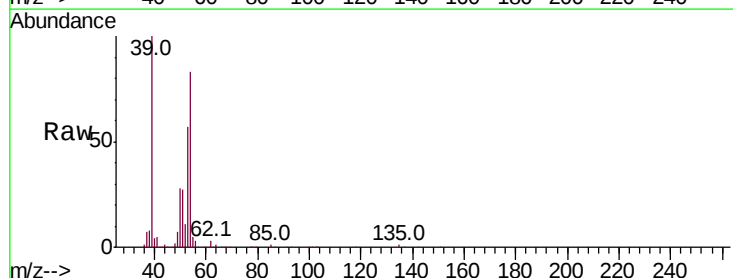
#15
Acetone
Concen: 17.547 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 5:30

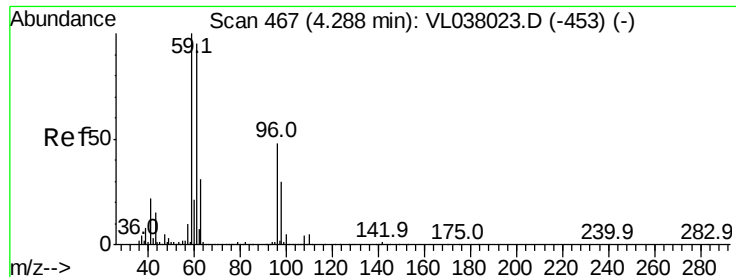
Tot Ion: 43 Resp: 1137650
Ion Ratio Lower Upper
43 100
58 27.7 22.6 33.8



#16
1,3-Butadiene
Concen: 18.199 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion: 39 Resp: 926236
Ion Ratio Lower Upper
39 100
54 78.3 63.8 95.8





#17

tert-Butyl alcohol

Concen: 19.502 ppbv

RT: 4.29 min

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

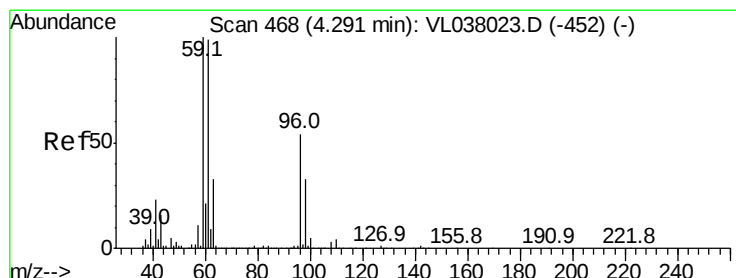
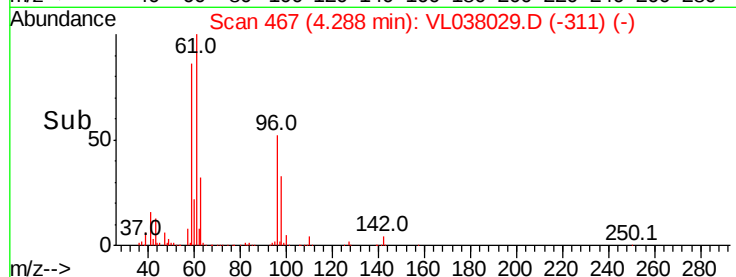
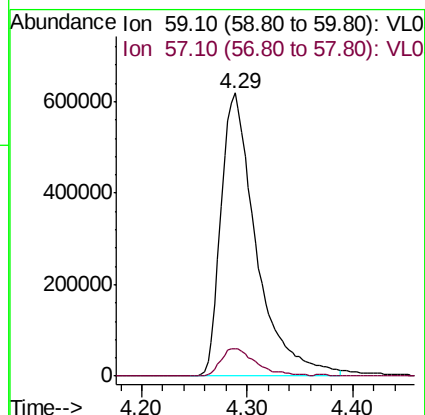
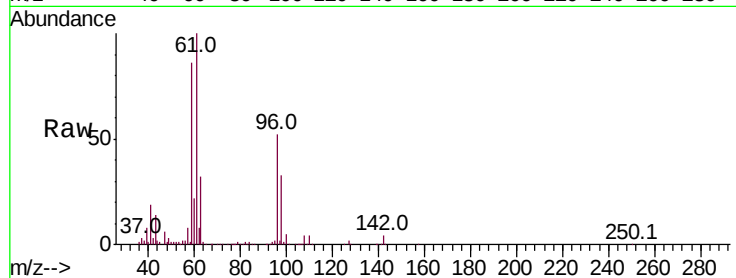
Acq: 16 Nov 2021 5:30

Tot Ion: 59 Resp: 1439955

Ion Ratio Lower Upper

59 100

57 10.2 8.7 13.1



#18

1,1-Dichloroethene

Concen: 18.502 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

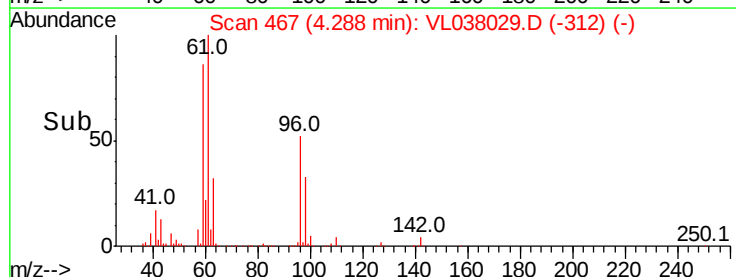
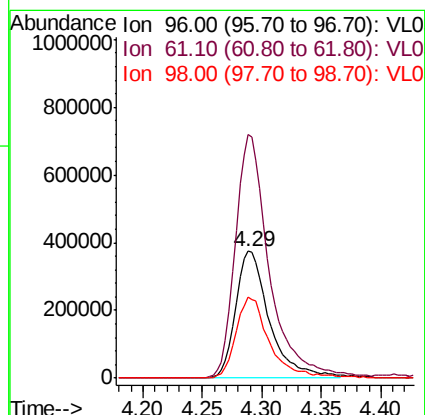
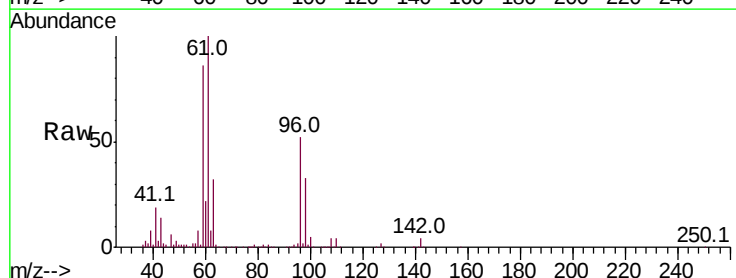
Tgt Ion: 96 Resp: 737585

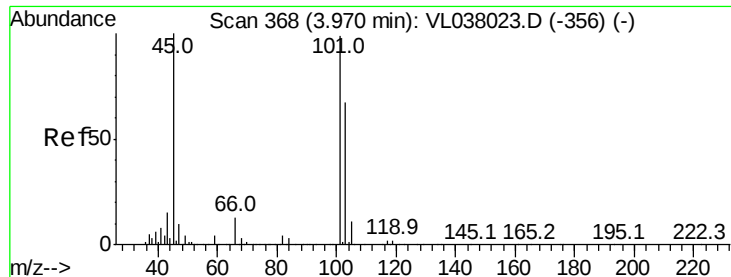
Ion Ratio Lower Upper

96 100

61 191.9 145.2 217.8

98 63.9 48.8 73.2





#19

Isopropyl Alcohol

Concen: 17.705 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

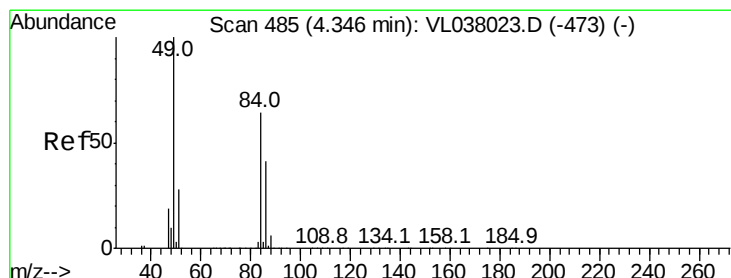
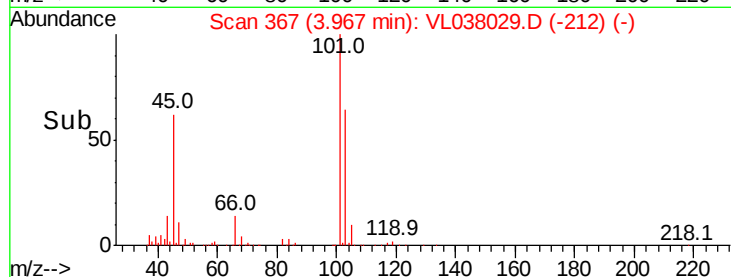
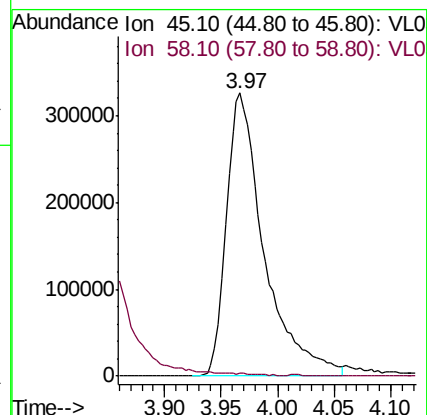
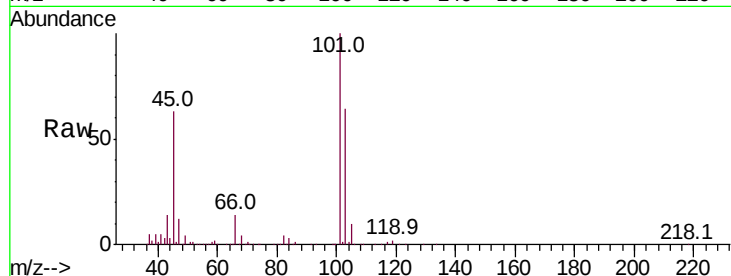
Acq: 16 Nov 2021 5:30

Tot Ion: 45 Resp: 754683

Ion Ratio Lower Upper

45 100

58 41.7 29.4 44.0



#20

Methylene Chloride

Concen: 17.705 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

Tgt Ion: 84 Resp: 629768

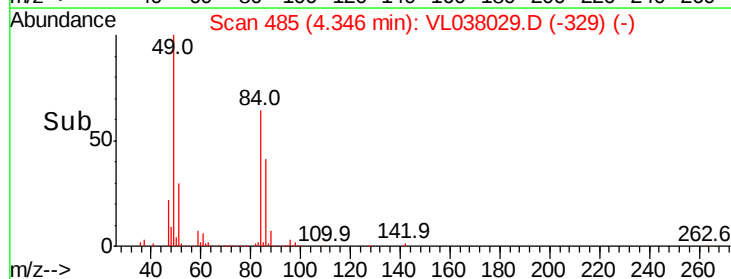
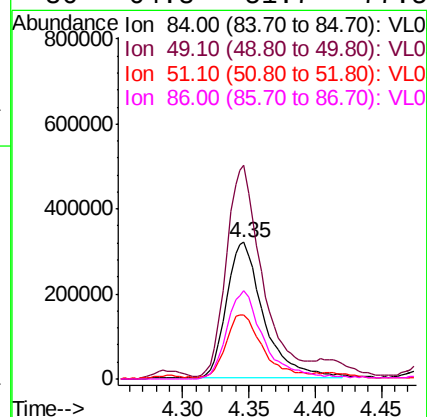
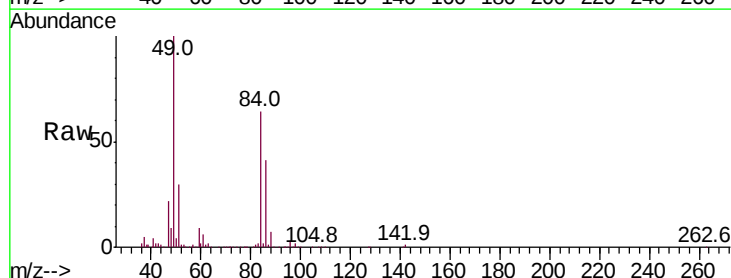
Ion Ratio Lower Upper

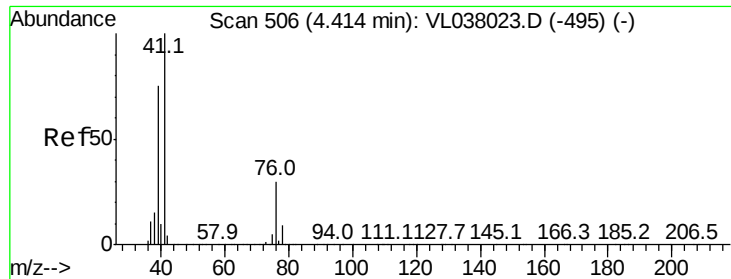
84 100

49 155.0 125.1 187.7

51 46.2 35.3 52.9

86 64.8 51.7 77.5





#21

Allvl Chloride

Concen: 20.543 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 16 Nov 2021 5:30

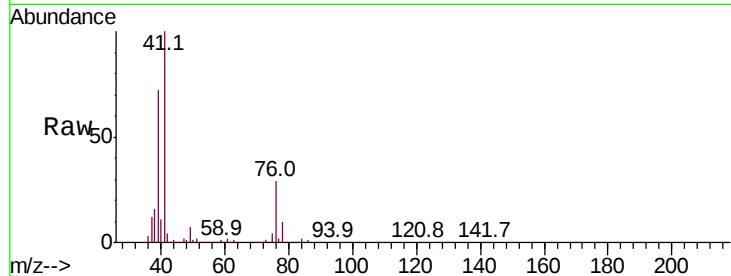
Tot Ion: 41 Resp: 1259827

Ion Ratio Lower Upper

41 100

76 29.7 24.6 37.0

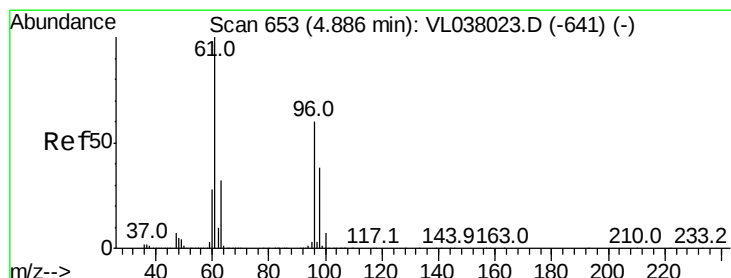
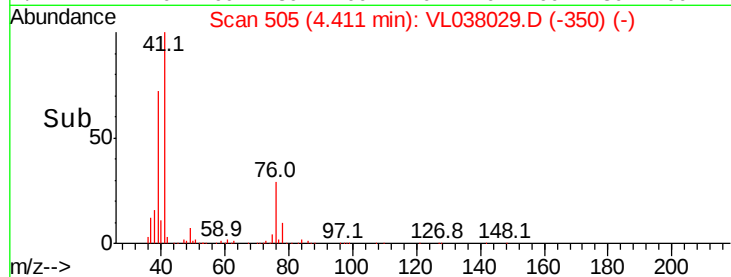
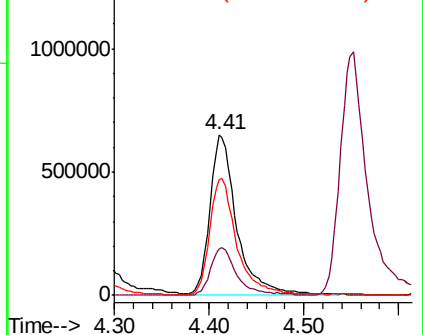
39 73.5 60.6 90.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 20.061 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

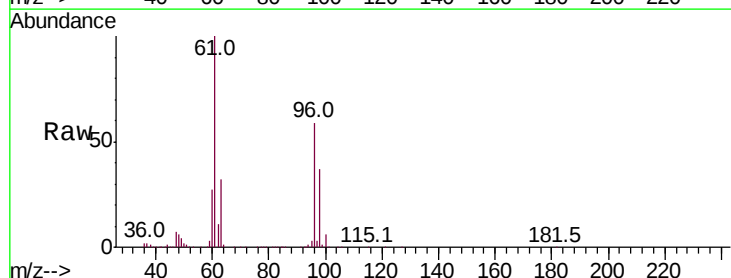
Tgt Ion: 96 Resp: 804774

Ion Ratio Lower Upper

96 100

61 169.6 134.2 201.4

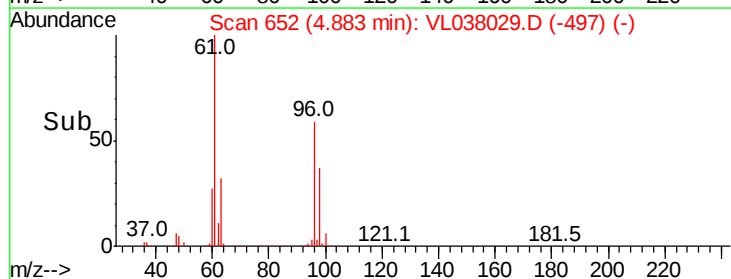
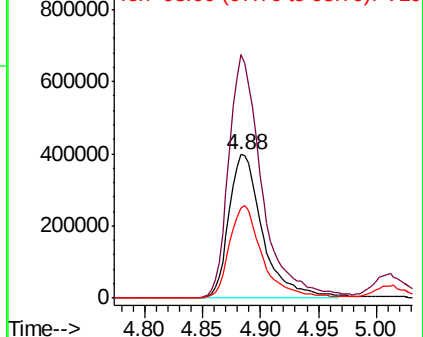
98 62.7 51.3 76.9

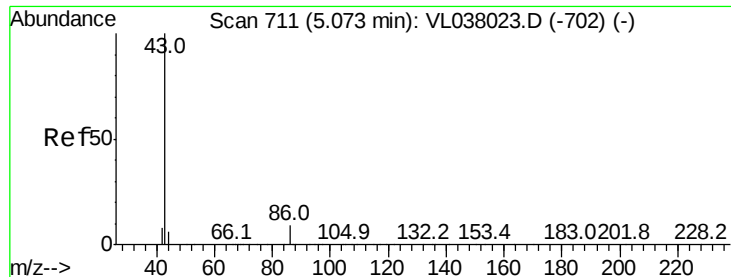


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

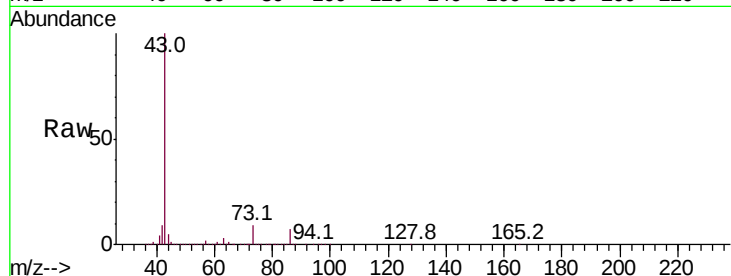




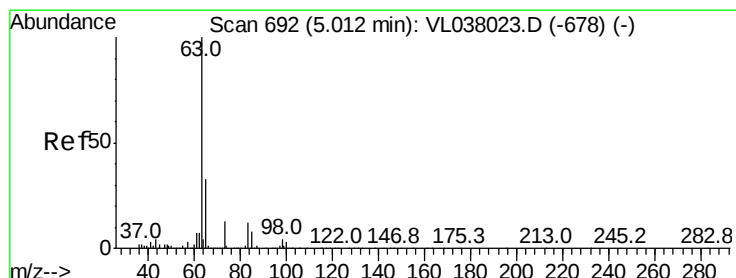
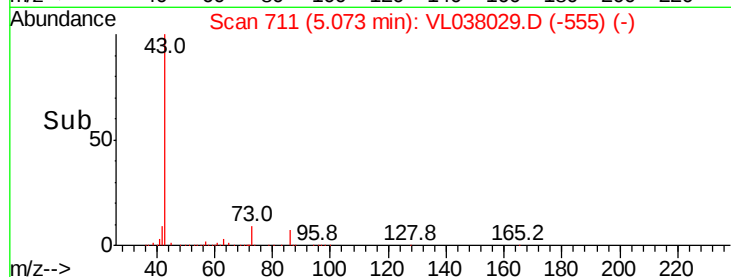
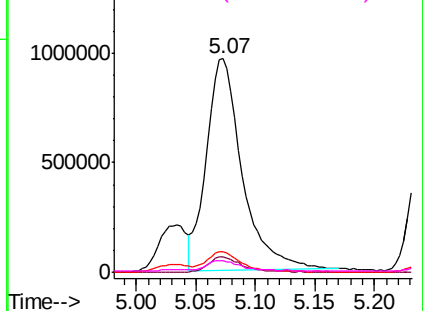
#23
 Vinyl Acetate
 Concen: 19.930 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 5:36

Tot Ion: 43 Resp: 2019933

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.9	8.9
42	9.4	7.4	11.2
44	4.7	4.1	6.1



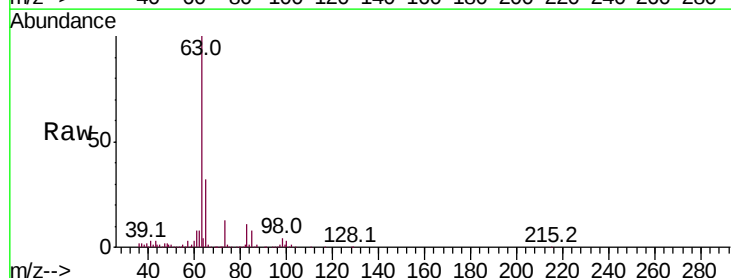
Abundance Ion 43.10 (42.80 to 43.80): VL0
 1500000 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



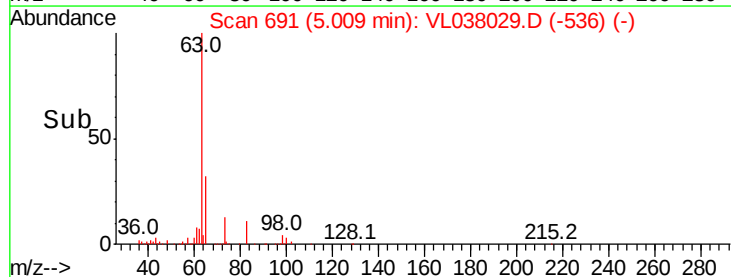
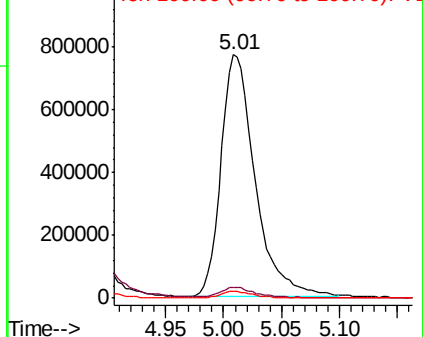
#24
 1,1-Dichloroethane
 Concen: 19.108 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

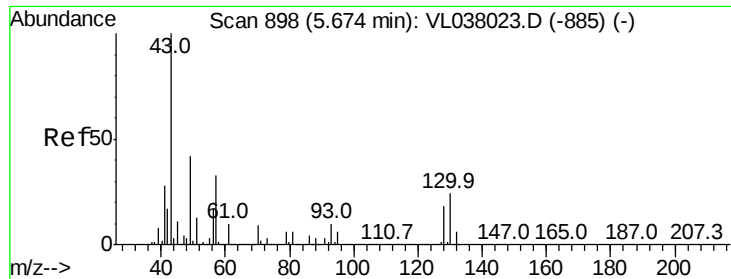
Tgt Ion: 63 Resp: 1571492

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.3	6.9
100	2.9	1.5	4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
 1000000 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0

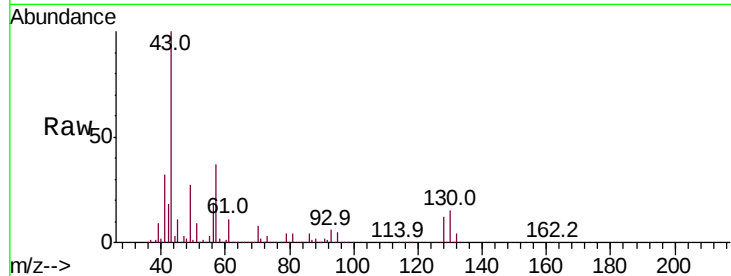




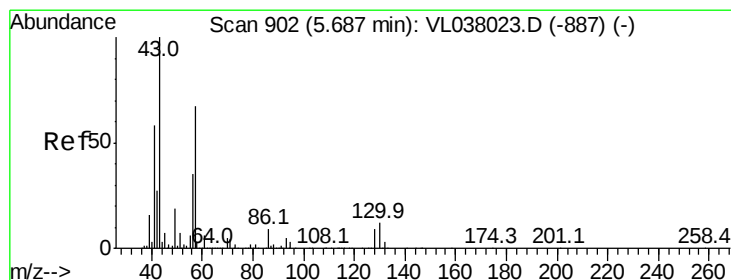
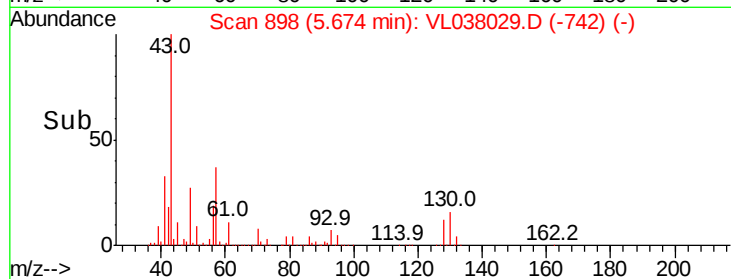
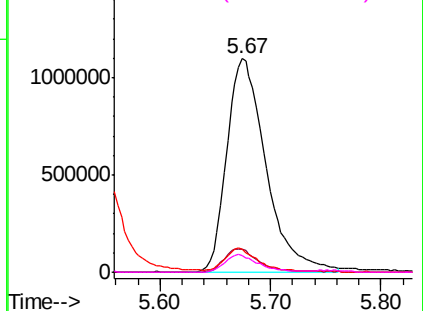
#25
Ethyl Acetate
Concen: 14.686 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 5:30

Tot Ion: 43 Resp: 2697201

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.8
61	10.0	7.7	11.5
70	7.1	5.5	8.3



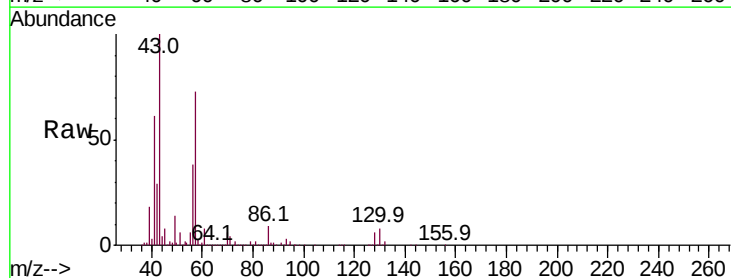
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



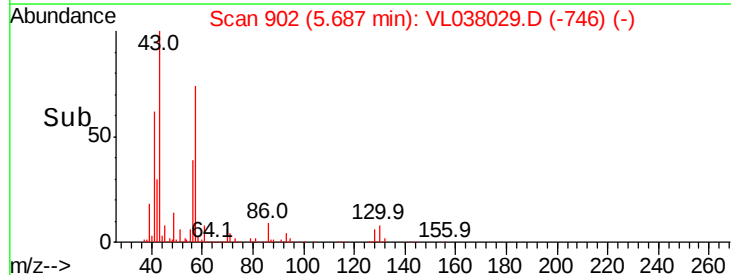
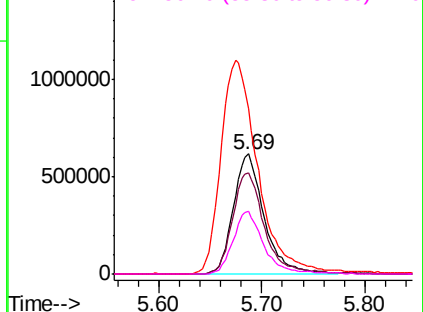
#26
Hexane
Concen: 14.687 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

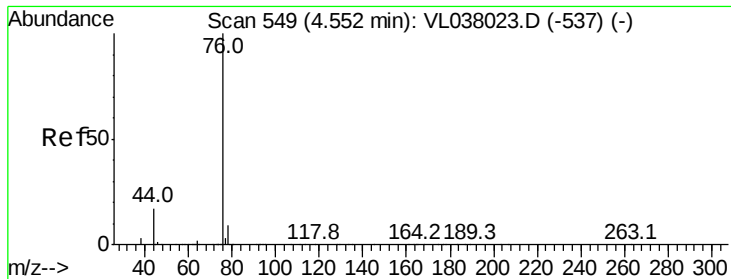
Tgt Ion: 57 Resp: 1284874

Ion	Ratio	Lower	Upper
57	100		
41	88.0	70.8	106.2
43	214.8	169.4	254.0
56	52.4	41.8	62.8



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: 21.678 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 5:30

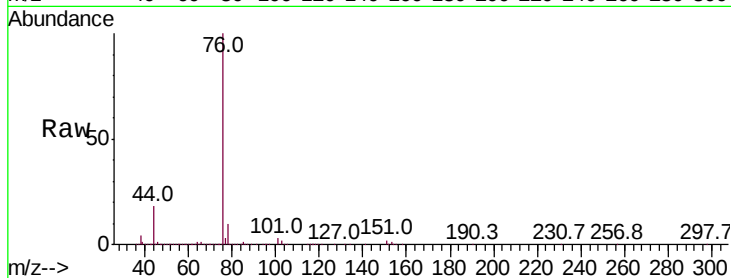
Tot Ion: 76 Resp: 2006639

Ion Ratio Lower Upper

76 100

44 18.9 15.0 22.6

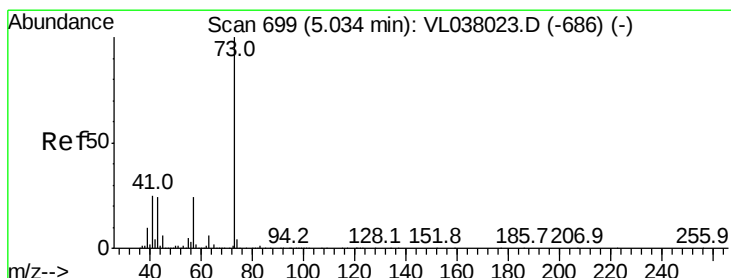
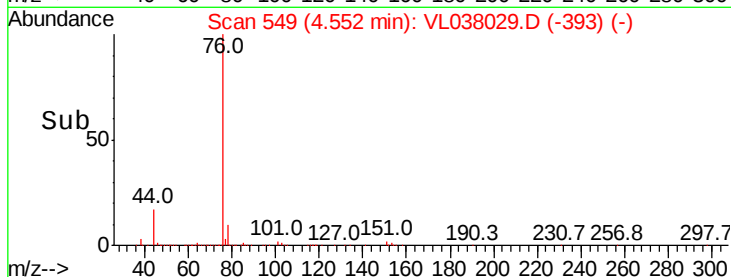
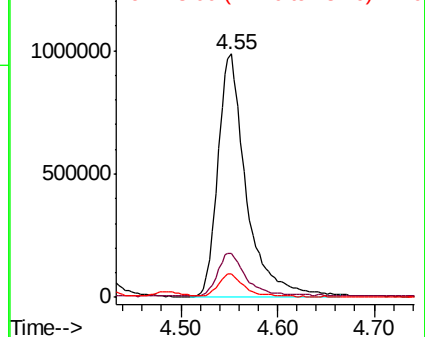
78 9.5 7.8 11.6



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: 22.597 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL038029.D

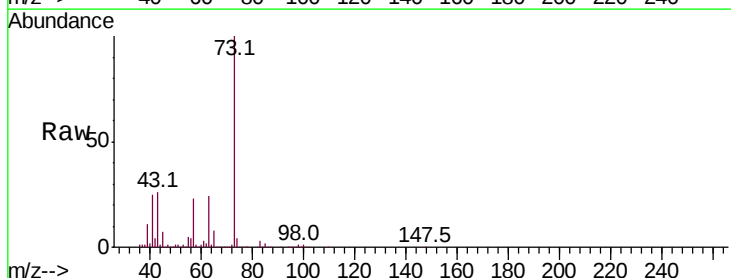
Acq: 16 Nov 2021 5:36

Tgt Ion: 73 Resp: 1867094

Ion Ratio Lower Upper

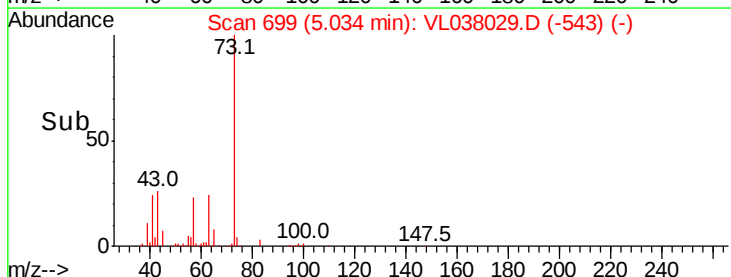
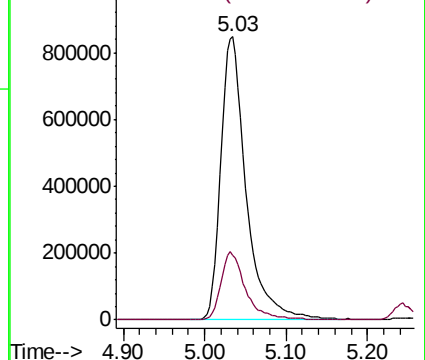
73 100

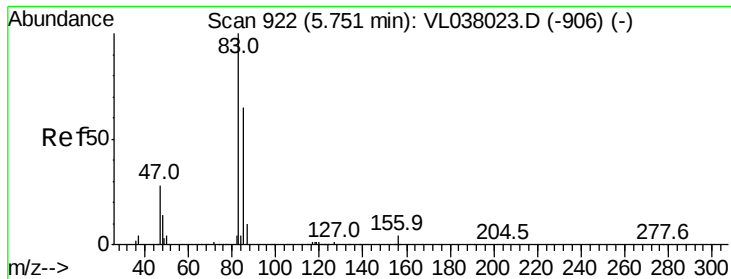
57 23.7 19.1 28.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 13.522 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

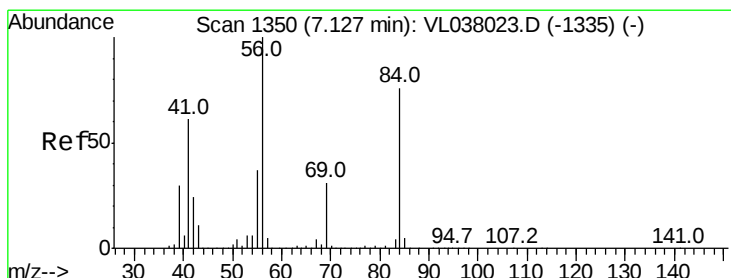
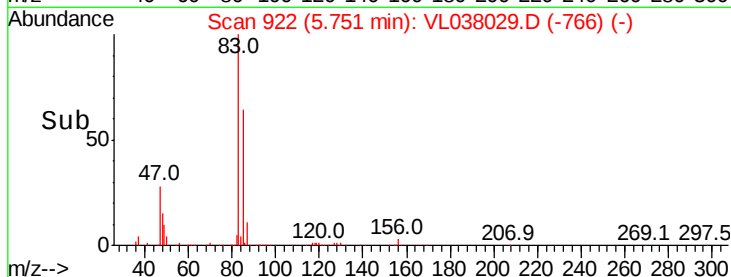
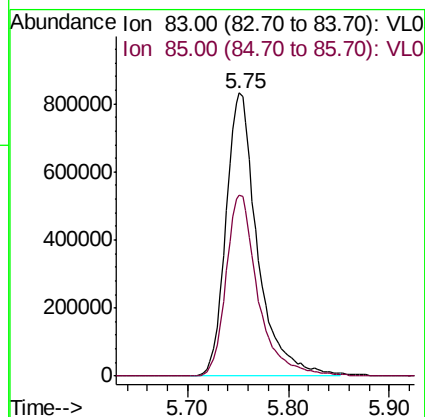
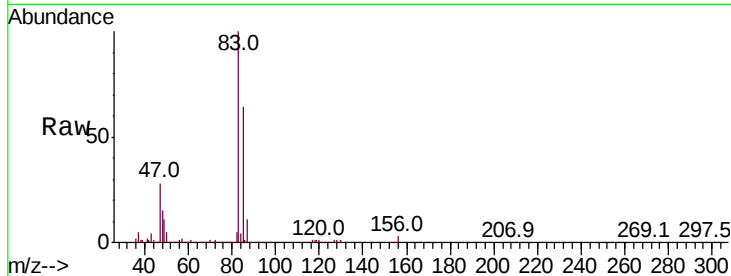
Acq: 16 Nov 2021 5:30

Tot Ion: 83 Resp: 1813362

Ion Ratio Lower Upper

83 100

85 63.8 52.1 78.1



#30

Cyclohexane

Concen: 19.342 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

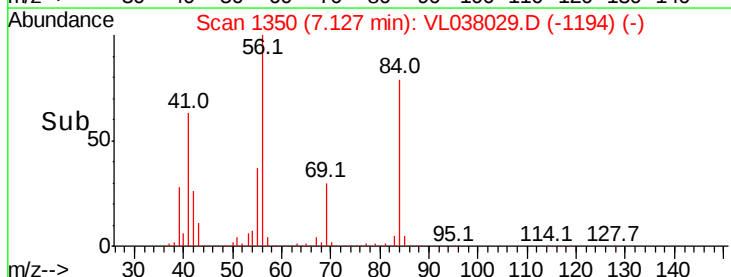
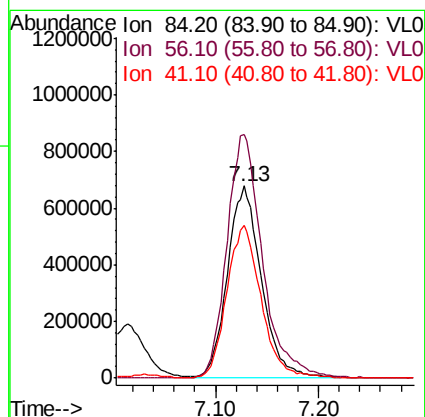
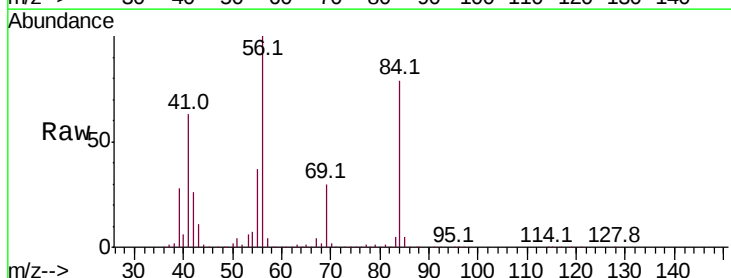
Tgt Ion: 84 Resp: 1543500

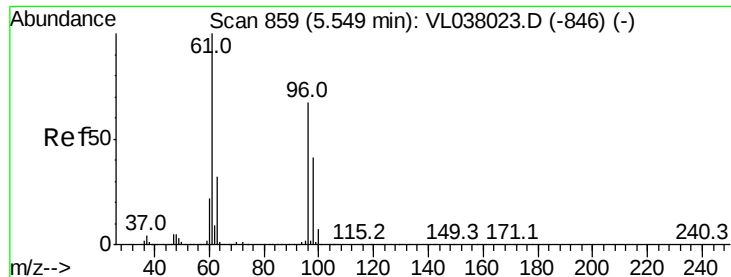
Ion Ratio Lower Upper

84 100

56 134.9 109.4 164.2

41 81.0 65.8 98.6





#31

cis-1,2-Dichloroethene

Concen: 15.810 ppbv

RT: 5.55

Instrument: MSVOA_1

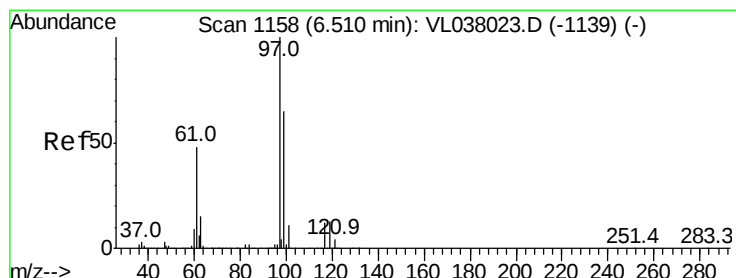
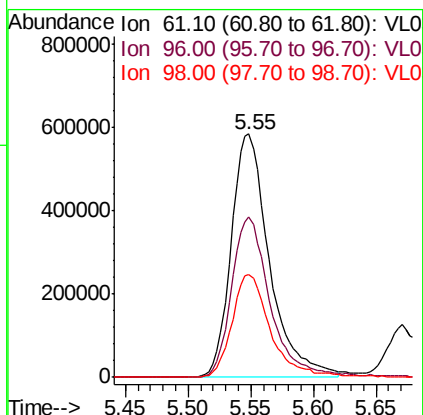
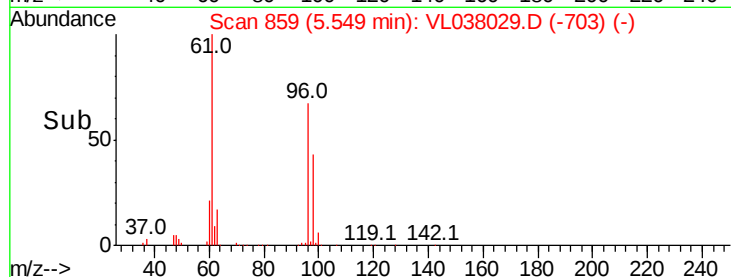
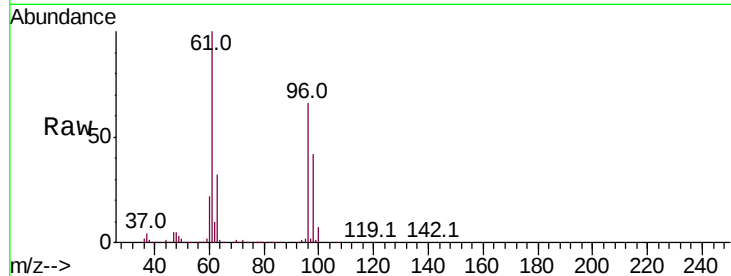
Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Nov 2021 5:36

Tot Ion: 61 Resp: 1242453

Ion	Ratio	Lower	Upper
61	100		
96	66.0	53.9	80.9
98	42.4	32.8	49.2



#32

1,1,1-Trichloroethane

Concen: 19.167 ppbv

RT: 6.51 min Scan# 1157

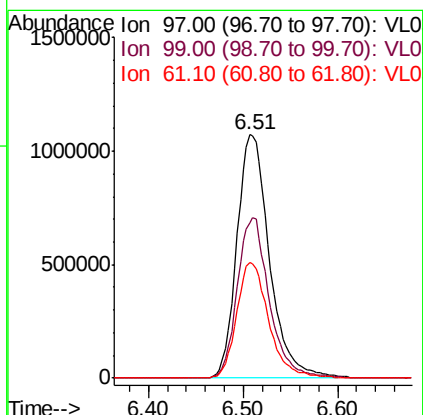
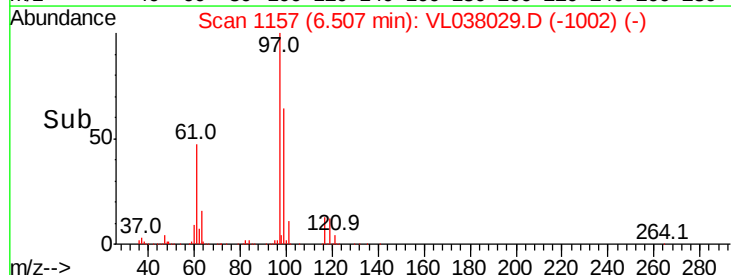
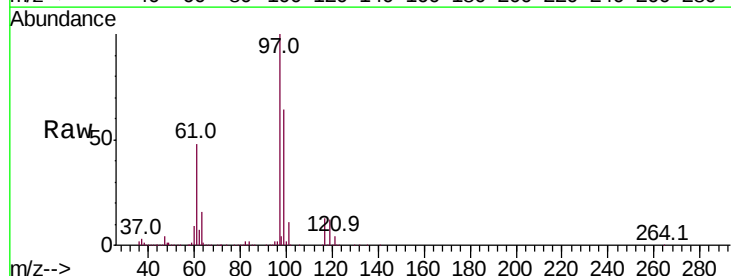
Delta R.T. -0.00 min

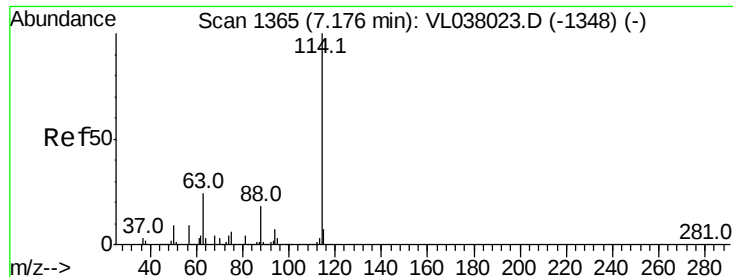
Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

Tgt Ion: 97 Resp: 2567848

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.9	77.9
61	47.0	37.9	56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

Instrument: MSVOA_1

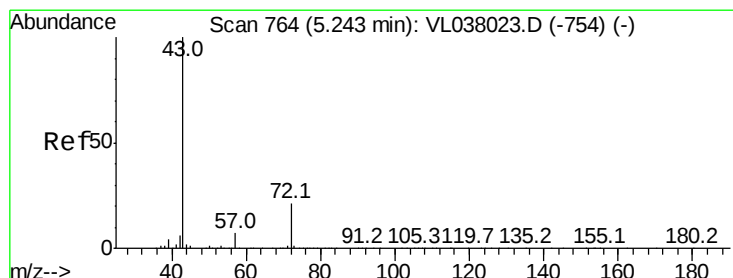
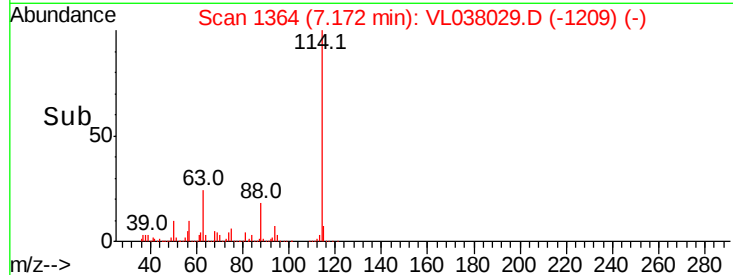
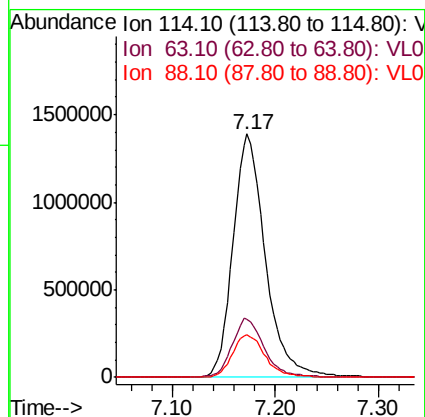
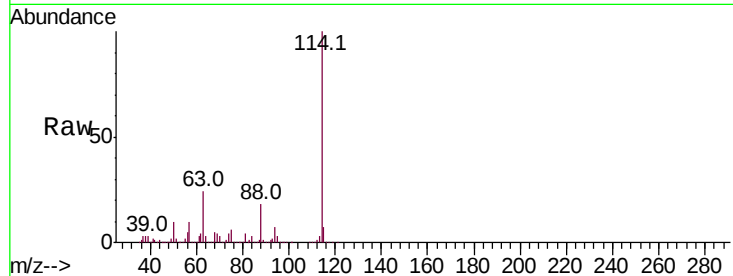
Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Nov 2021 5:30

Tot Ion:114 Resp: 3027265

Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.8	29.6
88	18.1	14.6	21.8



#34

2-Butanone

Concen: 11.743 ppbv

RT: 5.24 min Scan# 764

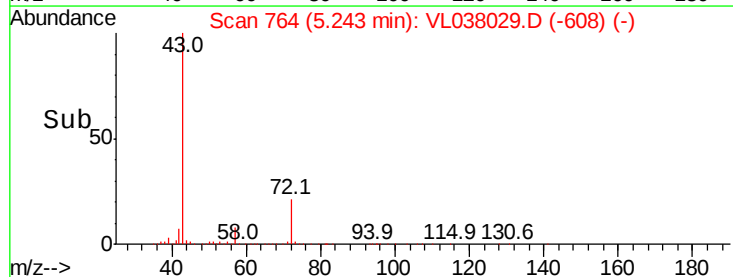
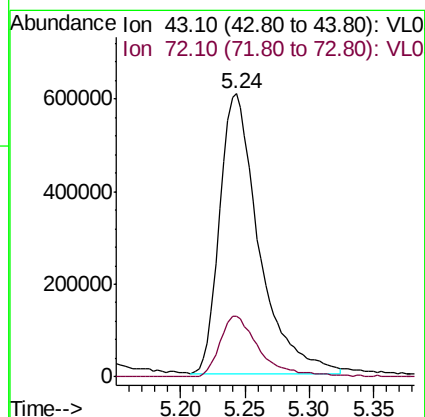
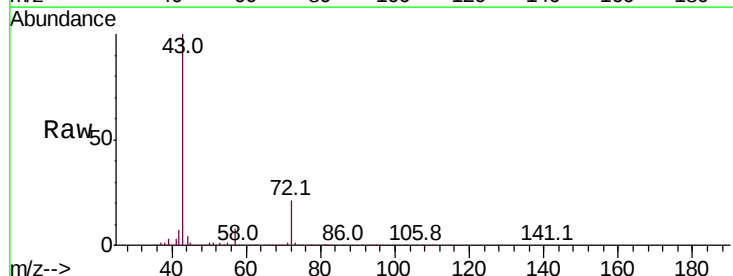
Delta R.T. 0.00 min

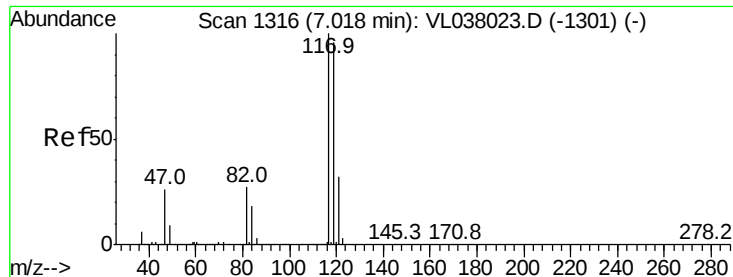
Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

Tgt Ion: 43 Resp: 1276633

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.2	27.4





#35

Carbon Tetrachloride

Concen: 13.894 ppbv

RT: 7.01 Instrument:

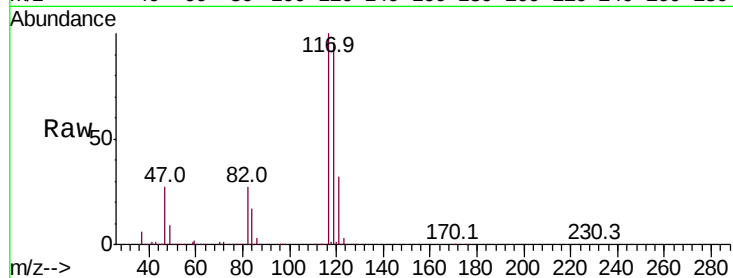
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 5:30

Tot Ion:117 Resp: 2576947

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.5	114.7
121	31.7	25.3	37.9

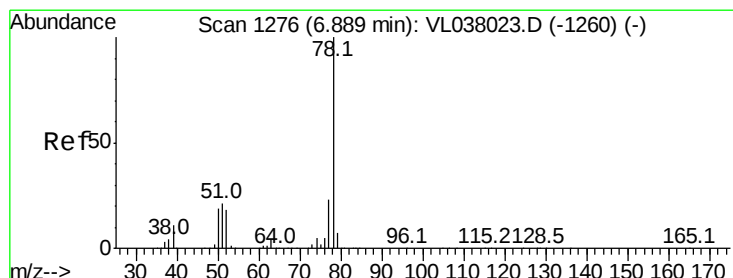
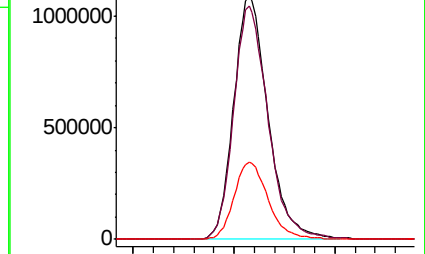
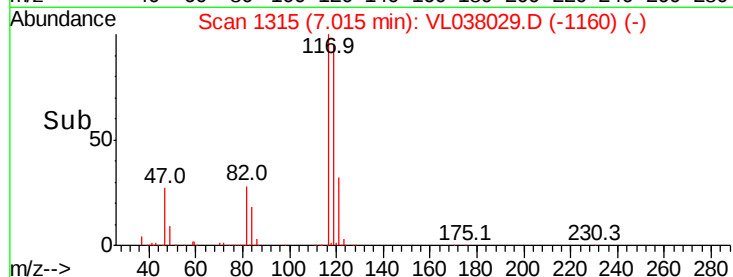


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 14.634 ppbv

RT: 6.89 min Scan# 1276

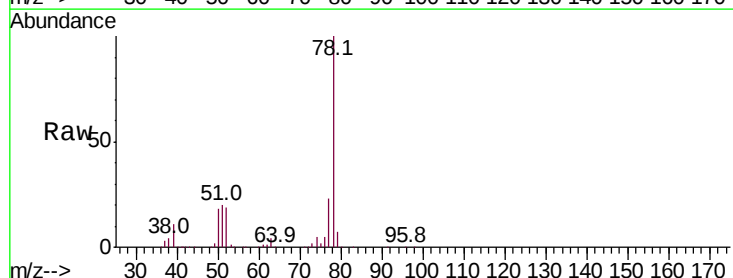
Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

Tgt Ion: 78 Resp: 3658034

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2
50	17.7	14.9	22.3

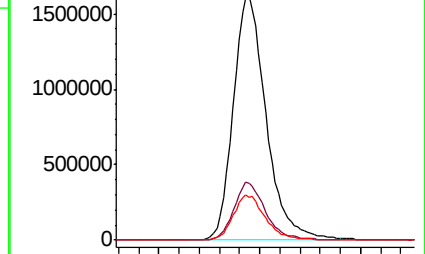
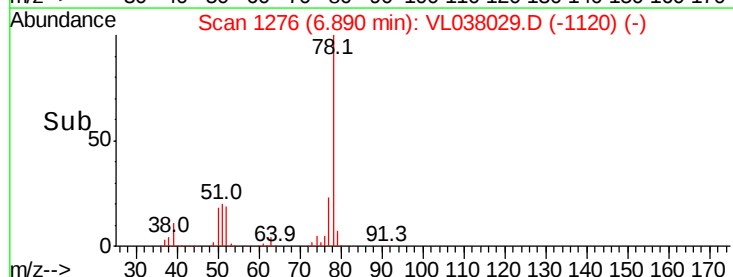


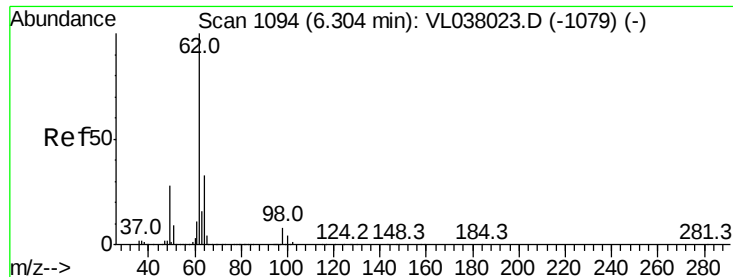
Abundance

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: 15.413 ppbv

RT: 6.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

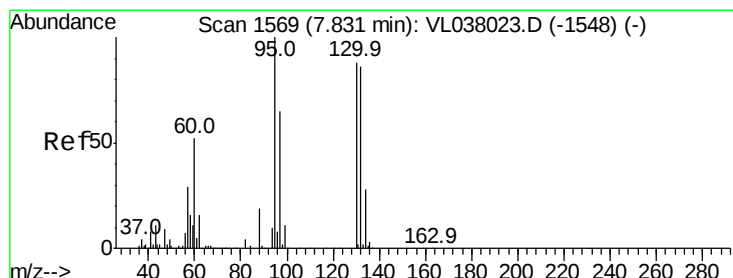
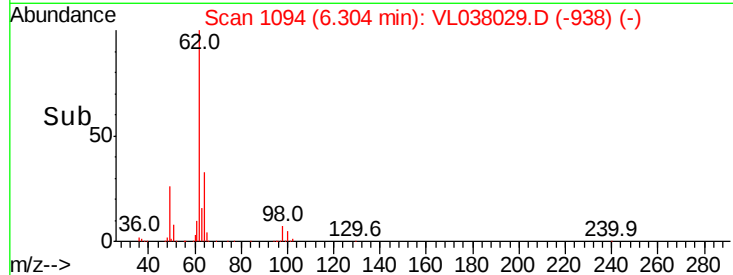
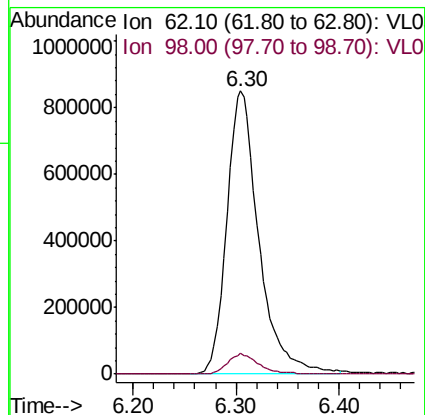
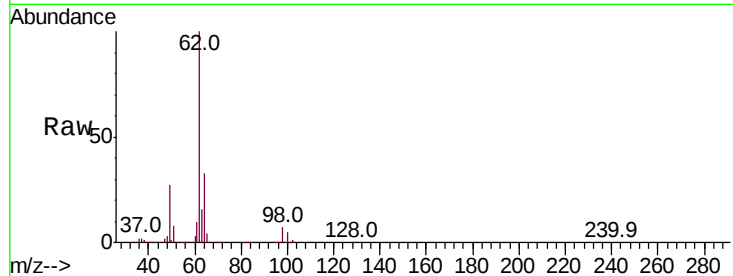
Acq: 16 Nov 2021 5:30

Tot Ion: 62 Resp: 1840555

Ion Ratio Lower Upper

62 100

98 7.2 5.9 8.9



#38

Trichloroethene

Concen: 12.929 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

Tgt Ion:130 Resp: 1323381

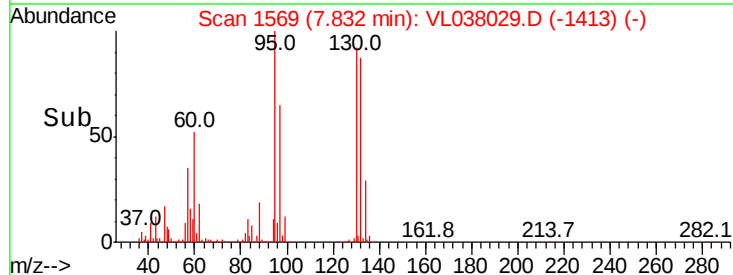
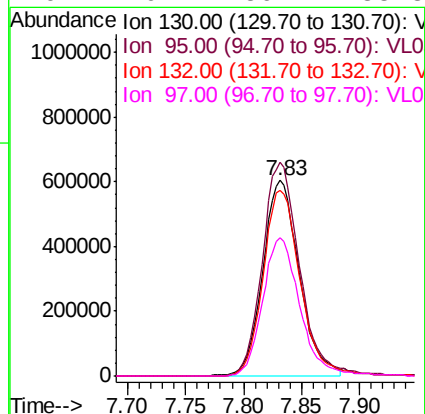
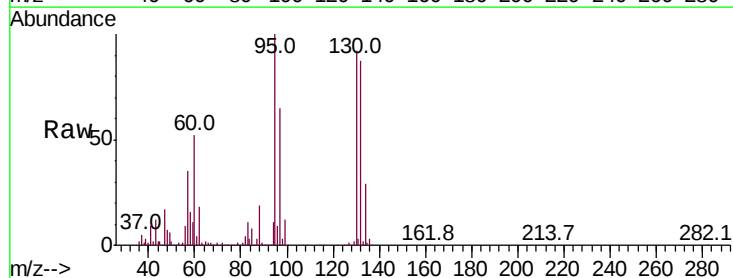
Ion Ratio Lower Upper

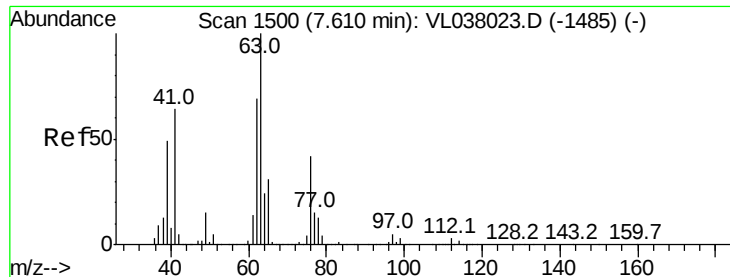
130 100

95 109.1 90.5 135.7

132 95.0 77.4 116.0

97 70.7 59.2 88.8

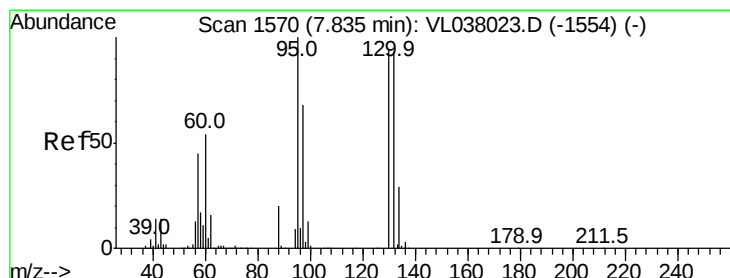
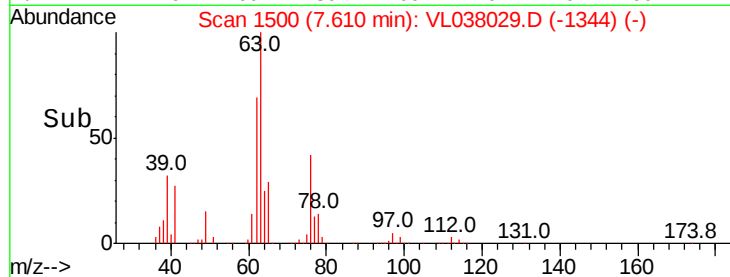
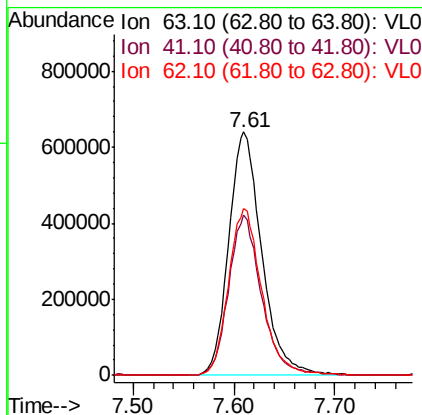
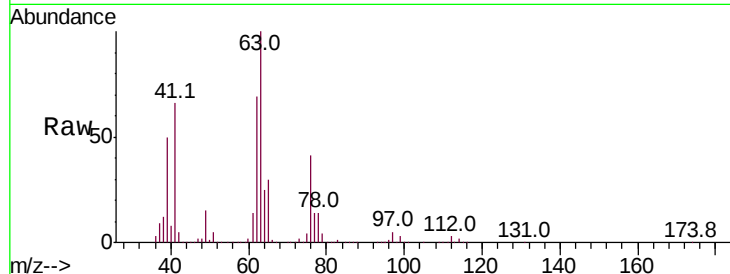




#39
 1,2-Dichloropropane
 Concen: 15.316 ppbv
 RT: 7.61 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 5:36

Tot Ion: 63 Resp: 1458523

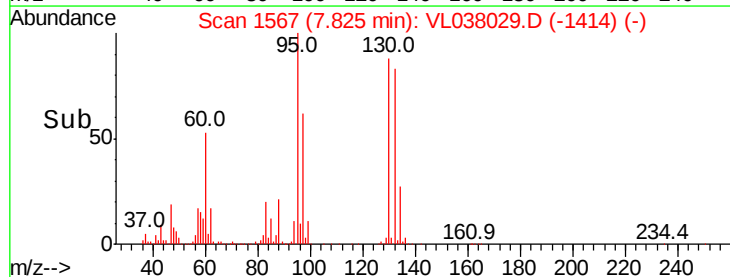
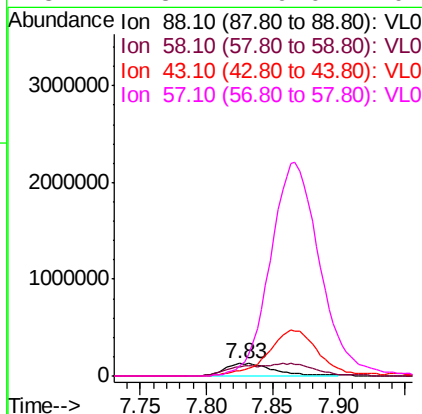
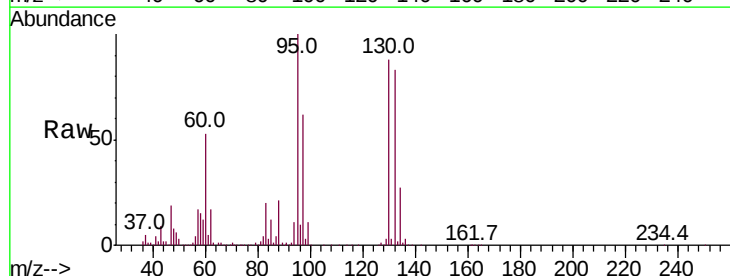
Ion	Ratio	Lower	Upper
63	100		
41	65.6	51.1	76.7
62	68.5	55.2	82.8

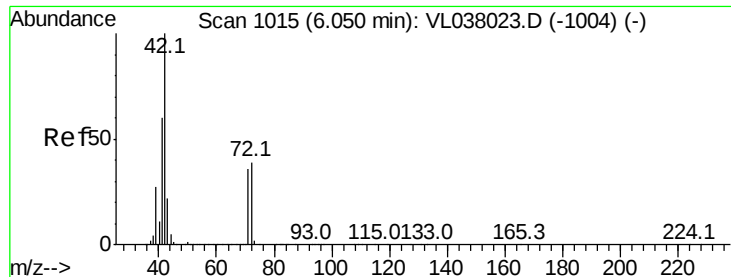


#40
 1,4-Dioxane
 Concen: 13.615 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T.: -0.01 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion: 88 Resp: 333513

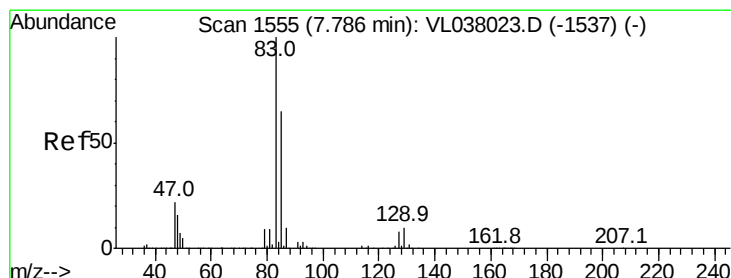
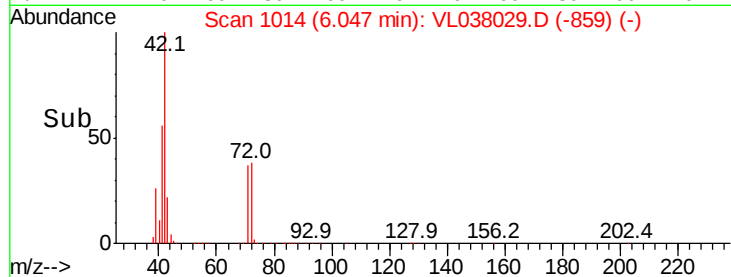
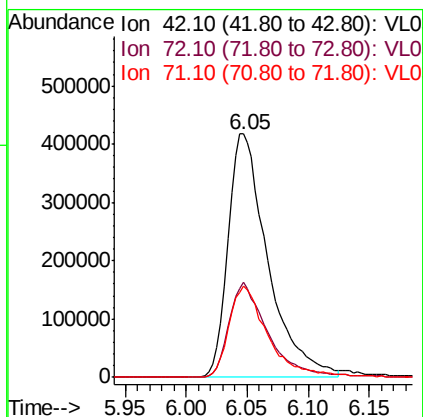
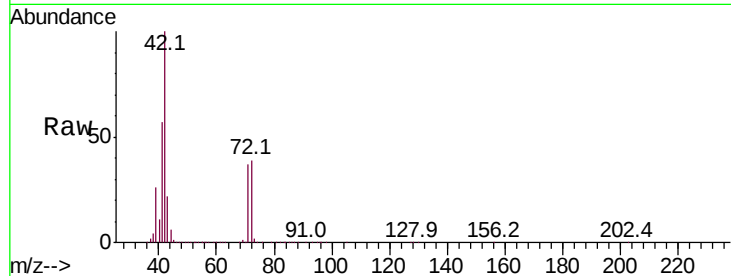
Ion	Ratio	Lower	Upper
88	100		
58	156.5	0.0	0.0#
43	393.2	0.0	0.0#
57	1745.7	0.0	0.0#





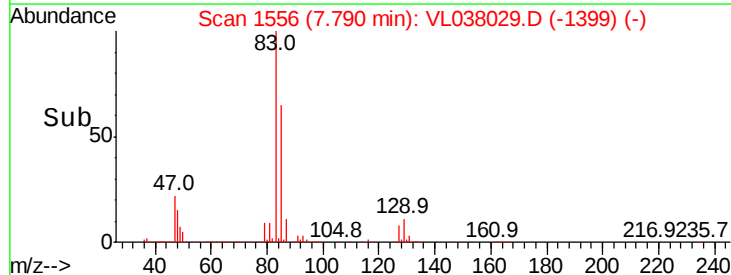
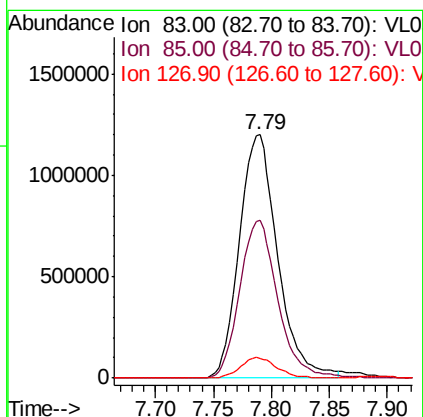
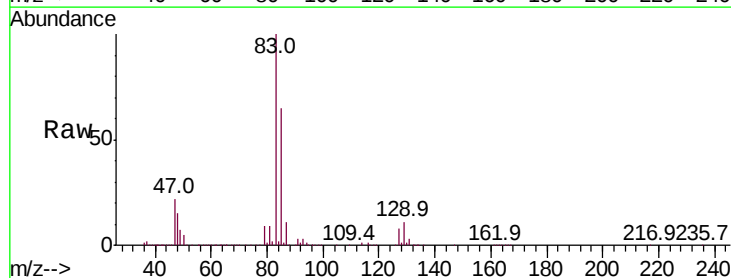
#41
Tetrahydrofuran
Concen: 16.575 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 5:38

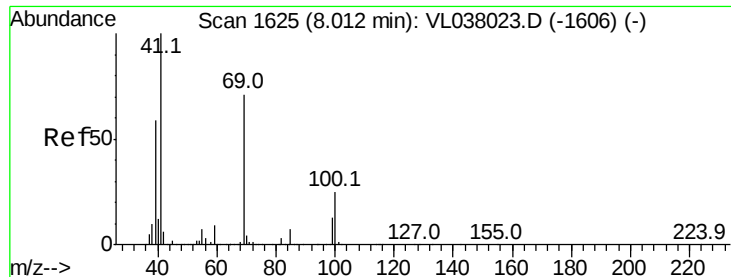
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	31.3	46.9
71	37.1	29.7	44.5



#42
Bromodichloromethane
Concen: 15.181 ppbv
RT: 7.79 min Scan# 1556
Delta R.T.: 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4
127	8.3	6.6	10.0





#43

Methyl Methacrylate

Concen: 16.311 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 5:30

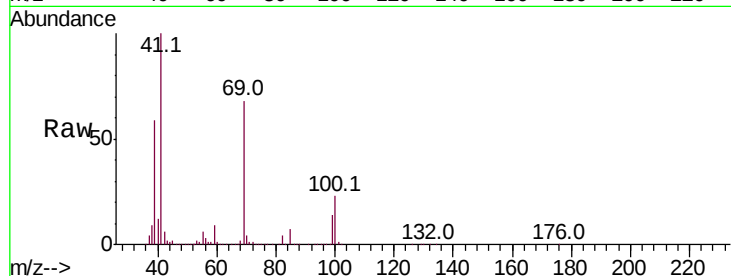
Tot Ion: 69 Resp: 1353505

Ion Ratio Lower Upper

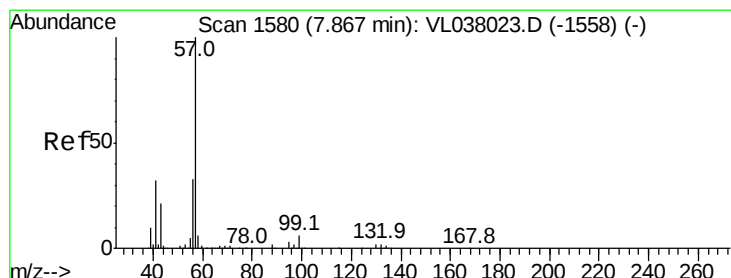
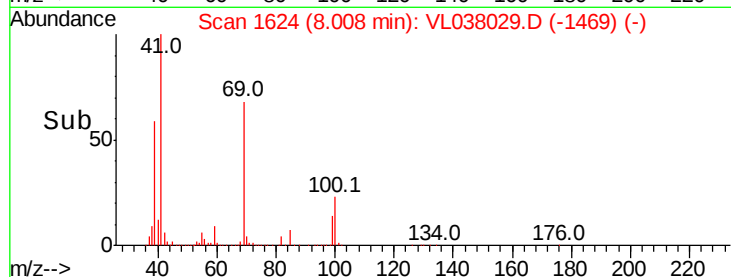
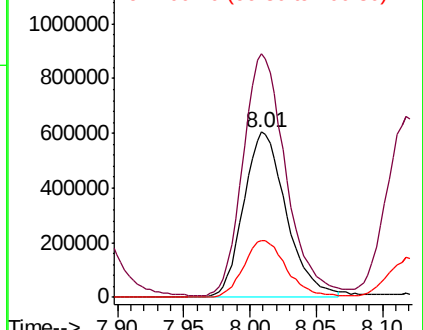
69 100

41 149.2 116.1 174.1

100 35.1 27.1 40.7



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: 13.755 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

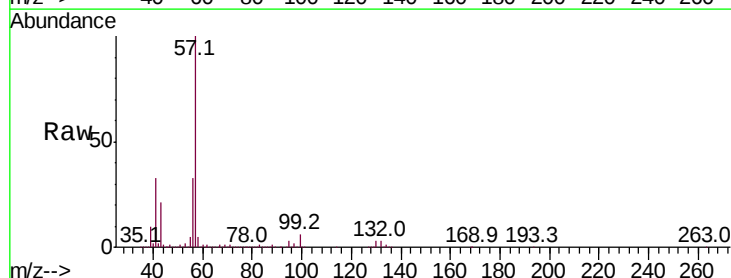
Tgt Ion: 57 Resp: 5821850

Ion Ratio Lower Upper

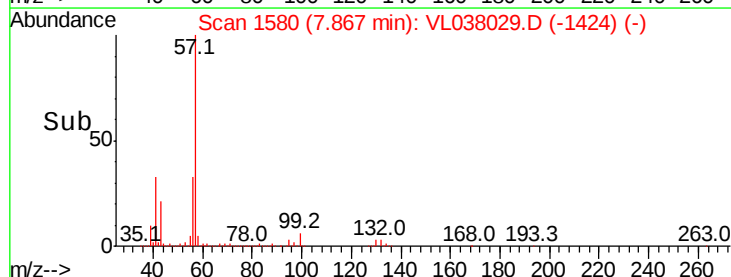
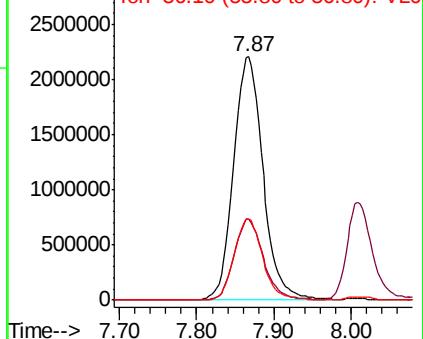
57 100

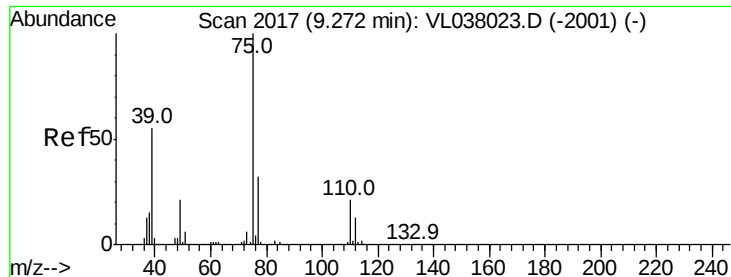
41 32.9 26.3 39.5

56 32.3 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





#45

t-1,3-Dichloropropene

Concen: 20.331 ppbv

RT: 9.27 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

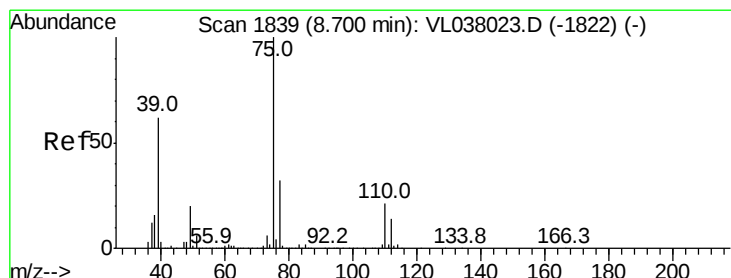
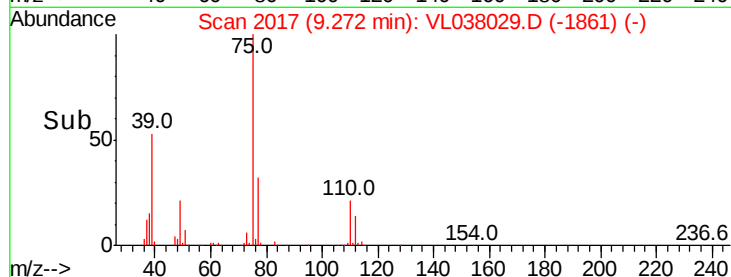
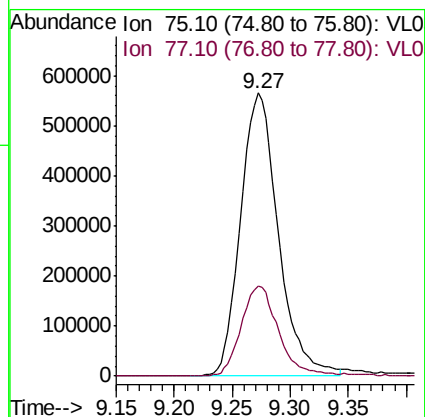
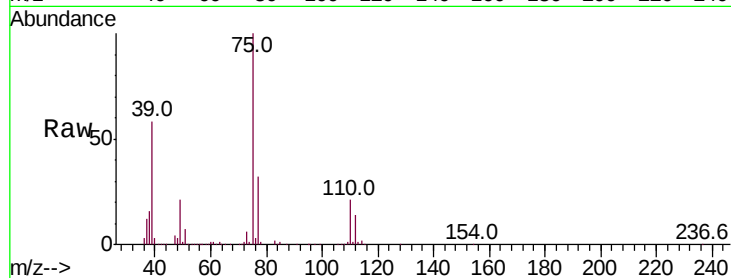
Acq: 16 Nov 2021 5:30

Tot Ion: 75 Resp: 1280389

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 18.367 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

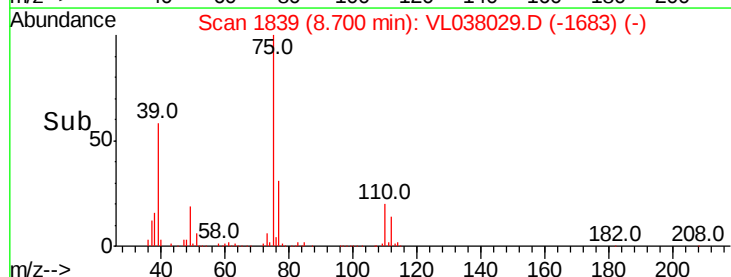
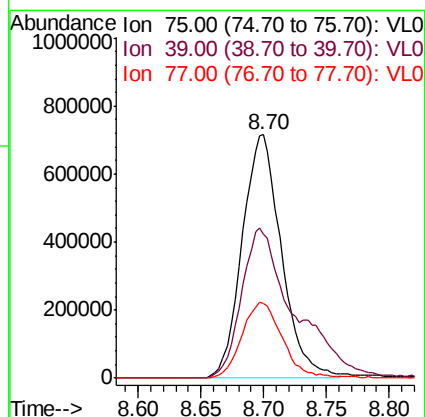
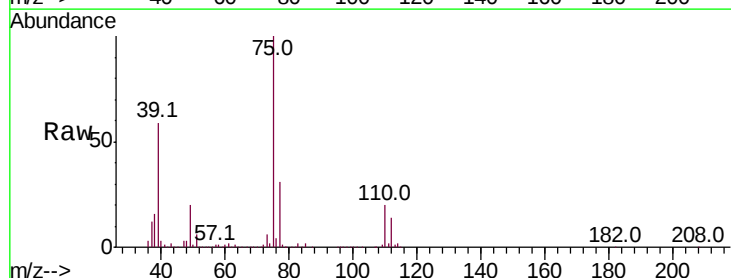
Tgt Ion: 75 Resp: 1556874

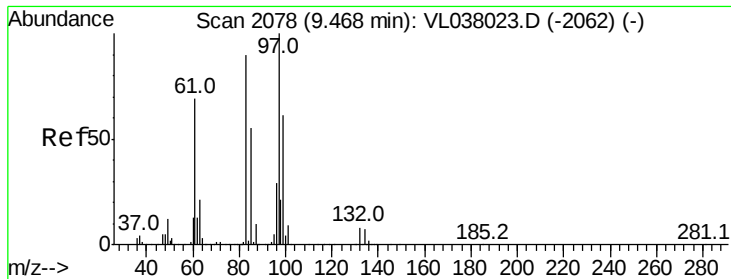
Ion Ratio Lower Upper

75 100

39 58.8 49.2 73.8

77 30.7 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 14.065 ppbv

RT: 9.47 Instrument:

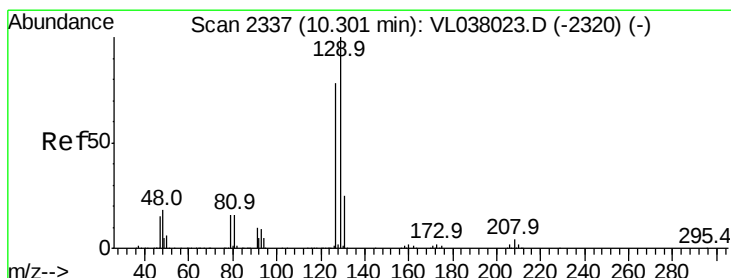
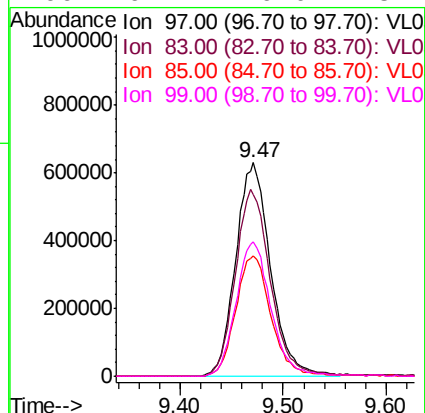
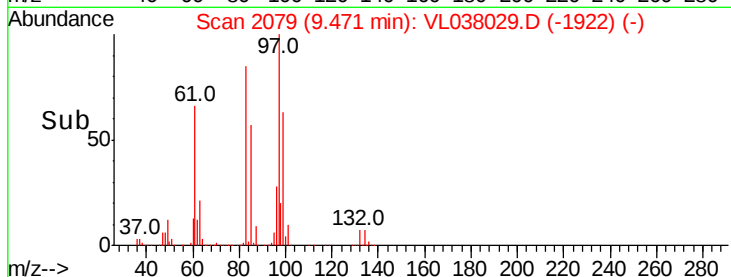
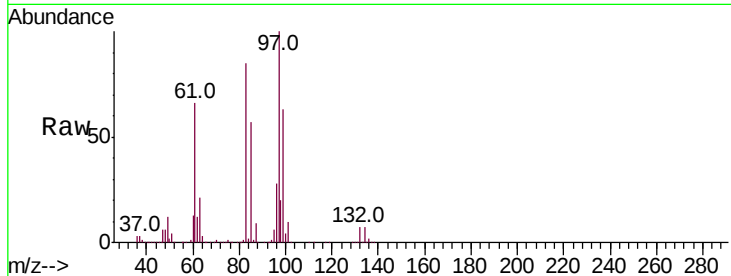
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 5:30

Tot Ion: 97 Resp: 1480439

Ion	Ratio	Lower	Upper
97	100		
83	84.9	72.2	108.4
85	56.6	43.8	65.8
99	62.7	49.0	73.4



#48

Dibromochloromethane

Concen: 15.976 ppbv

RT: 10.30 min Scan# 2337

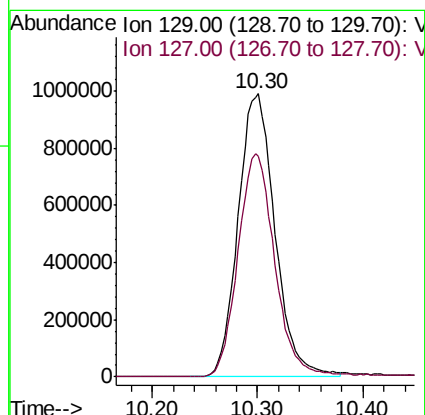
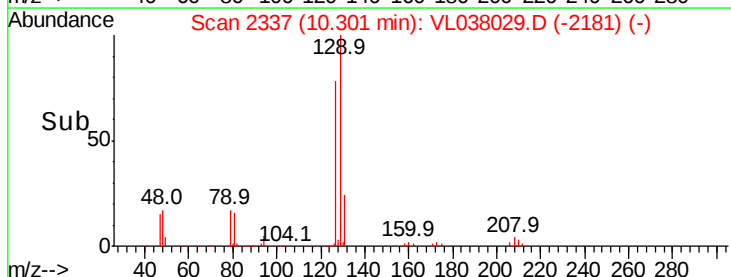
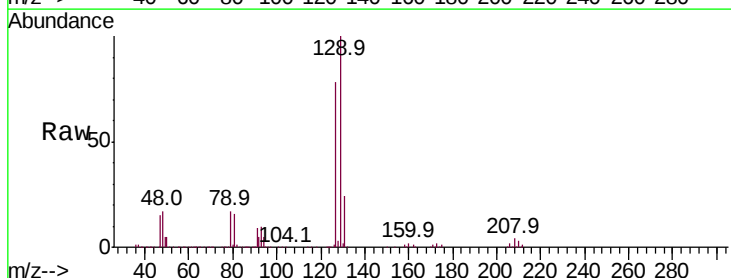
Delta R.T. 0.00 min

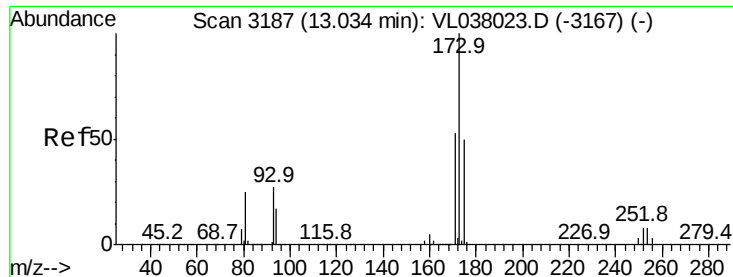
Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

Tgt Ion: 129 Resp: 2409155

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.8	119.3





#49

Bromoform

Concen: 15.437 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 5:36

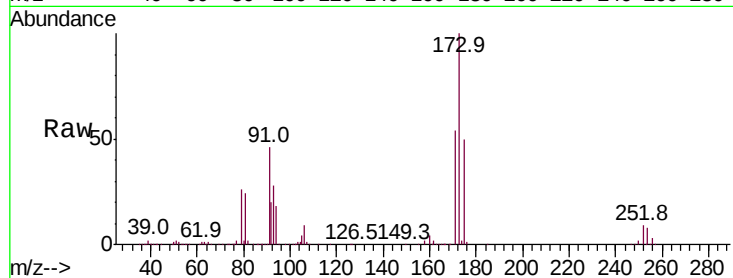
Tot Ion:173 Resp: 1829054

Ion Ratio Lower Upper

173 100

175 52.5 41.5 62.3

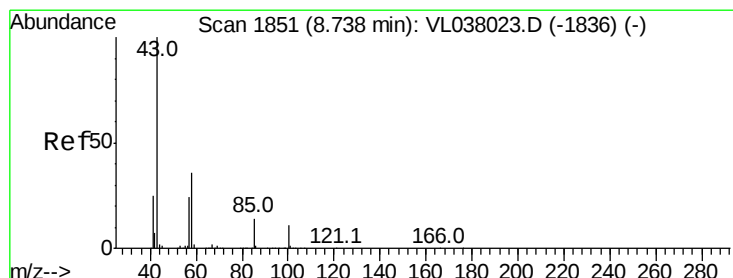
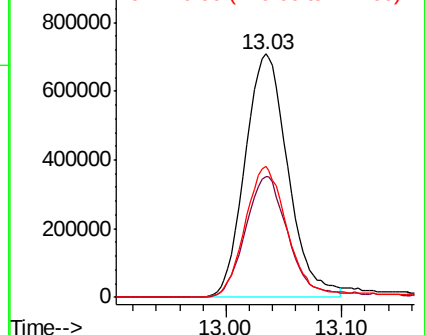
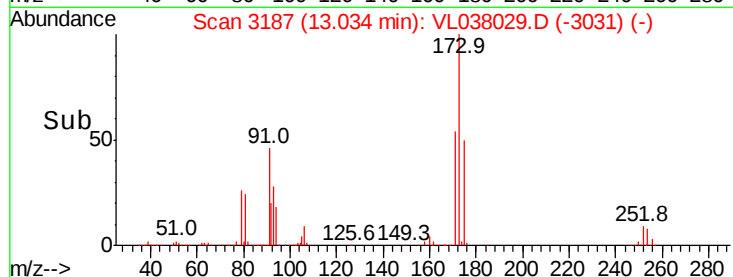
171 54.8 43.7 65.5



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: 16.065 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL038029.D

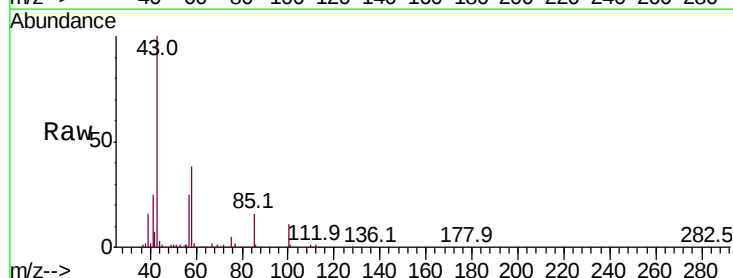
Acq: 16 Nov 2021 5:36

Tgt Ion: 43 Resp: 2408874

Ion Ratio Lower Upper

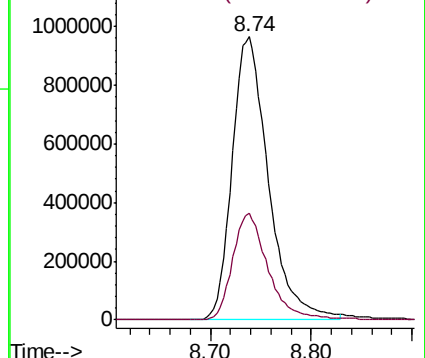
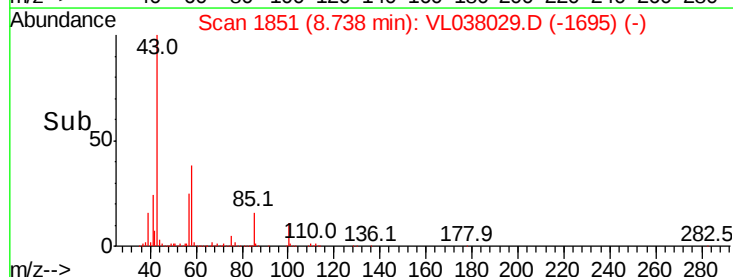
43 100

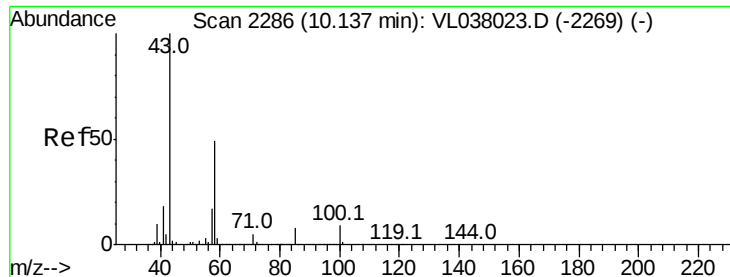
58 37.1 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

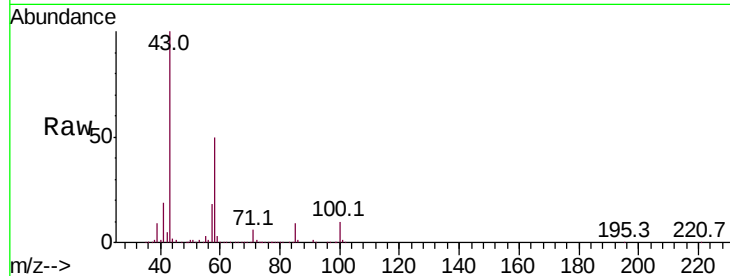




#51
2-Hexanone
Concen: 18.129 ppbv
RT: 10.13 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 5:30

Tot Ion: 43 Resp: 1173838

Ion	Ratio	Lower	Upper
43	100		
58	50.6	40.2	60.2
98	0.1	0.1	0.1

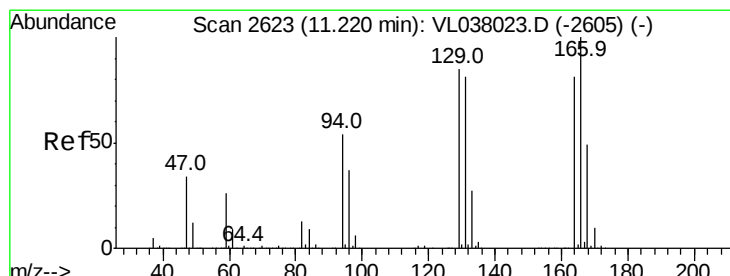
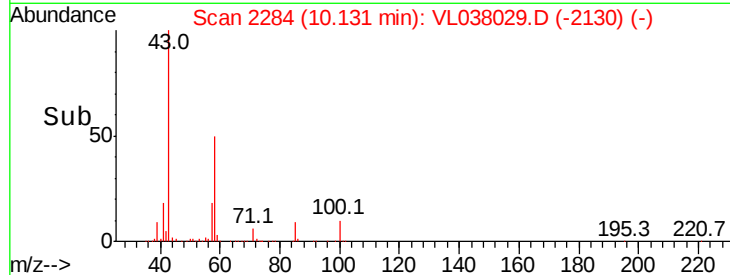
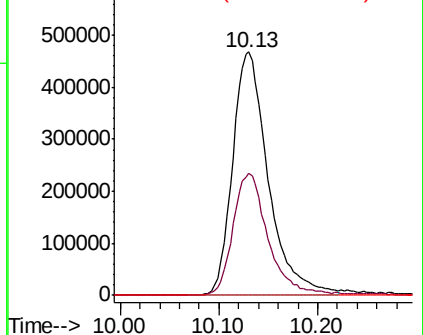


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

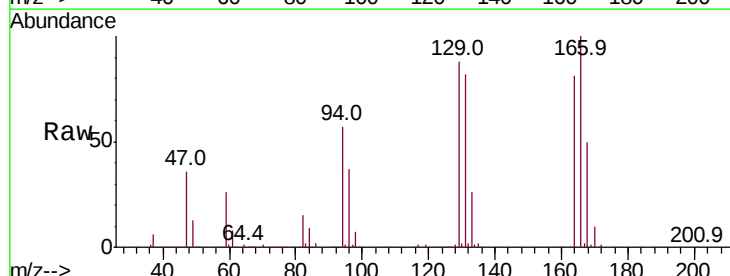
Ion 98.20 (97.90 to 98.90): VL0



#52
Tetrachloroethene
Concen: 13.279 ppbv
RT: 11.22 min Scan# 2622
Delta R.T.: -0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion: 164 Resp: 1244666

Ion	Ratio	Lower	Upper
164	100		
166	124.2	98.6	148.0
129	109.3	84.1	126.1
131	101.9	79.8	119.8



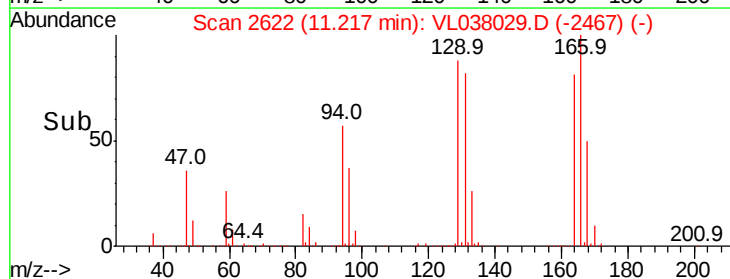
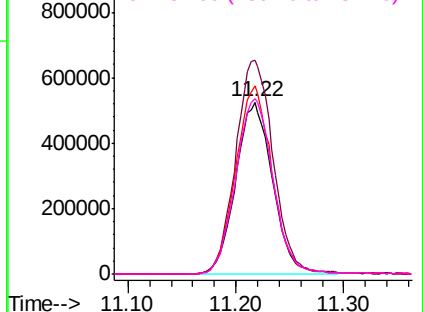
Abundance

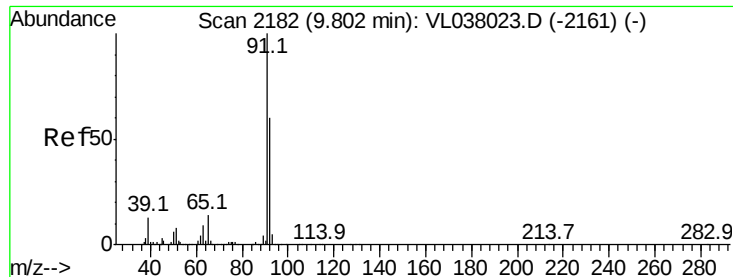
Ion 163.90 (163.60 to 164.60): V

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: 15.593 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

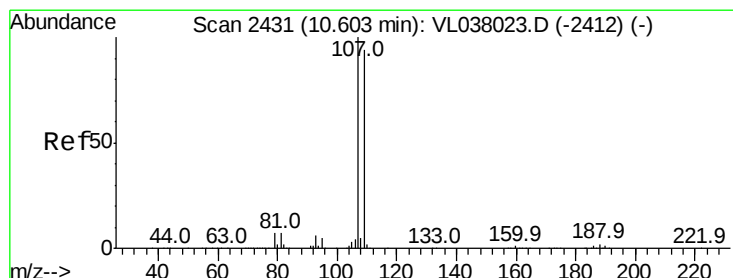
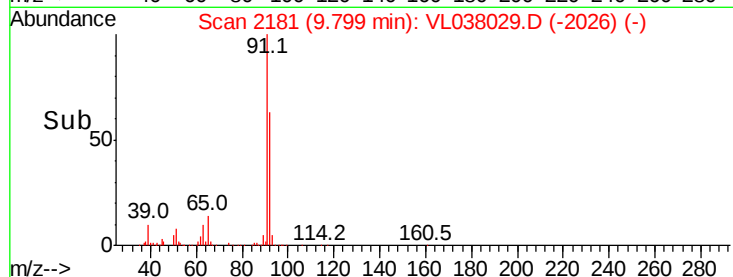
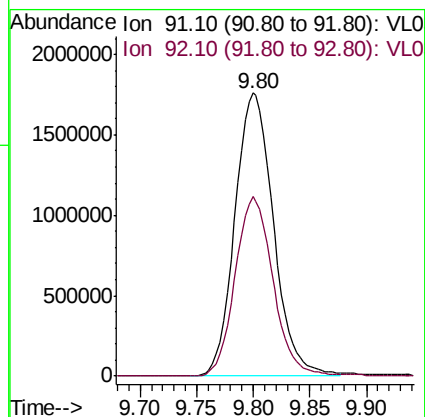
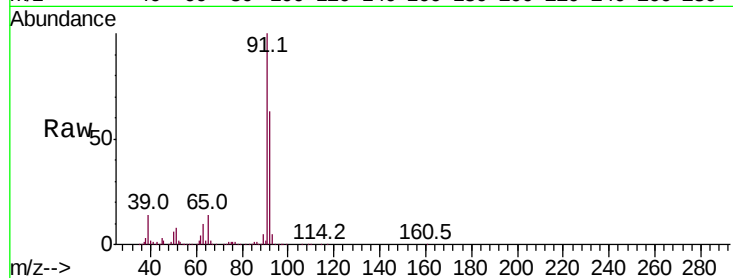
Acq: 16 Nov 2021 5:30

Tot Ion: 91 Resp: 4184114

Ion Ratio Lower Upper

91 100

92 62.6 49.4 74.2



#54

1,2-Dibromoethane

Concen: 15.544 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038029.D

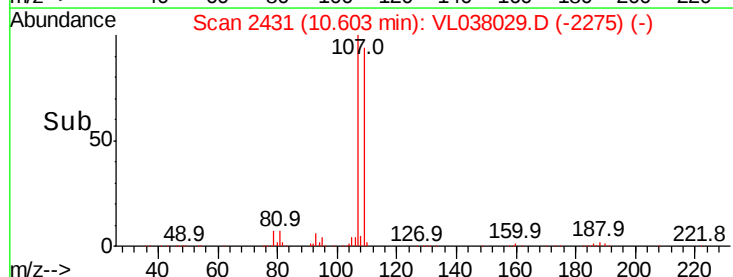
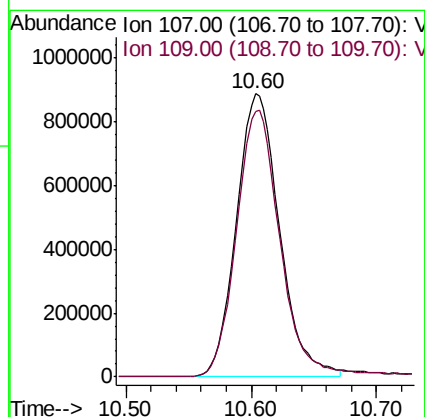
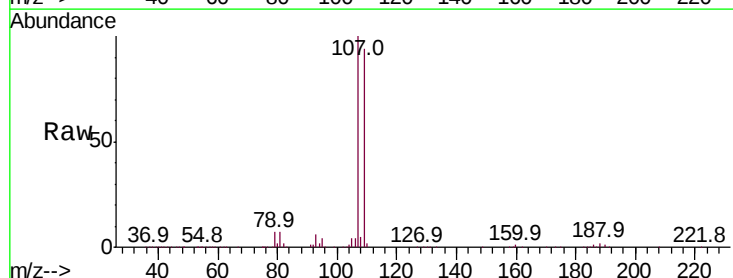
Acq: 16 Nov 2021 5:36

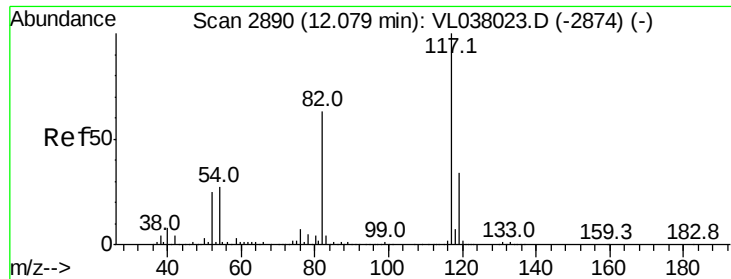
Tgt Ion: 107 Resp: 2123414

Ion Ratio Lower Upper

107 100

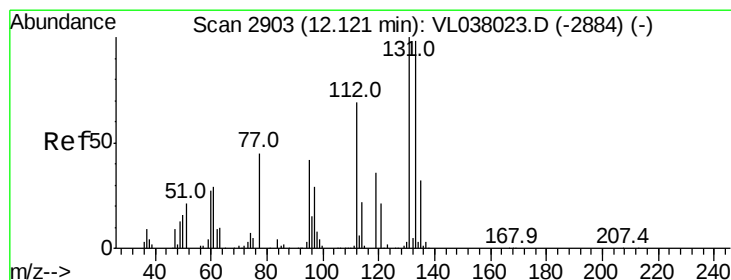
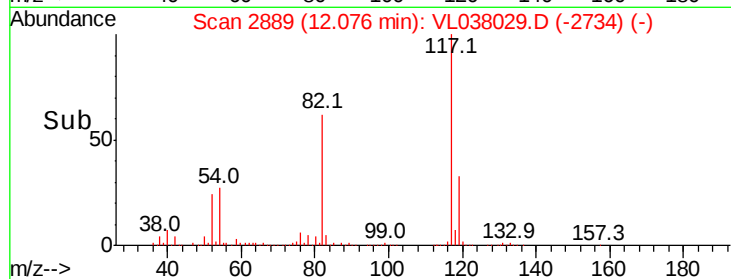
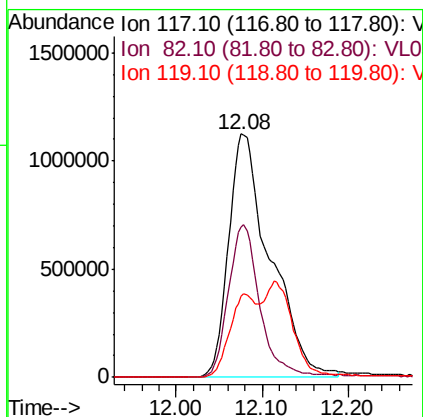
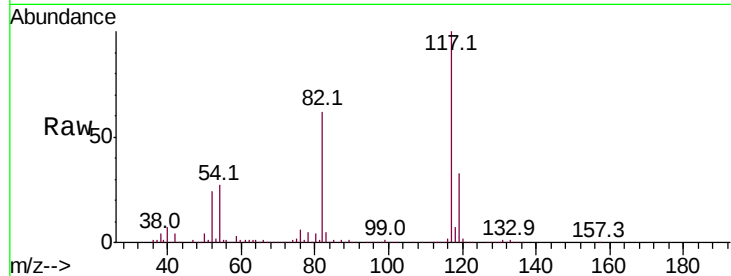
109 93.7 75.0 112.6





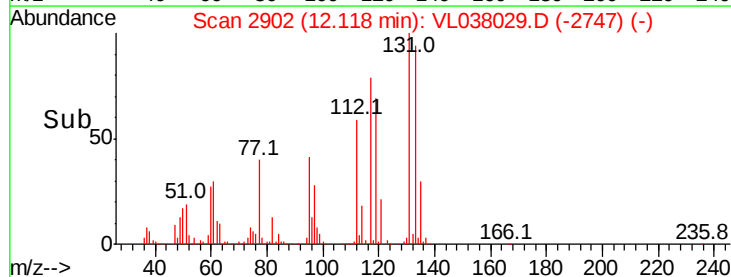
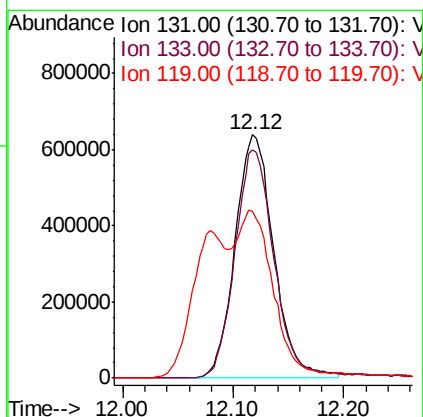
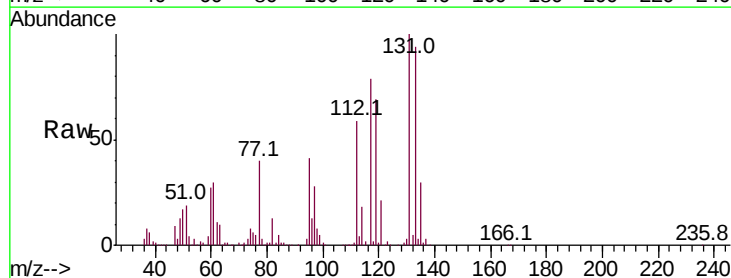
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 5:30

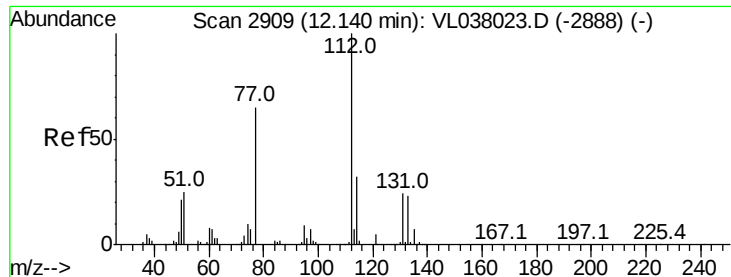
Tot Ion:117 Resp: 3785391
Ion Ratio Lower Upper
117 100
82 49.0 50.0 75.0#
119 52.0 44.9 67.3



#56
1,1,1,2-Tetrachloroethane
Concen: 10.219 ppbv
RT: 12.12 min Scan# 2902
Delta R.T.: -0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

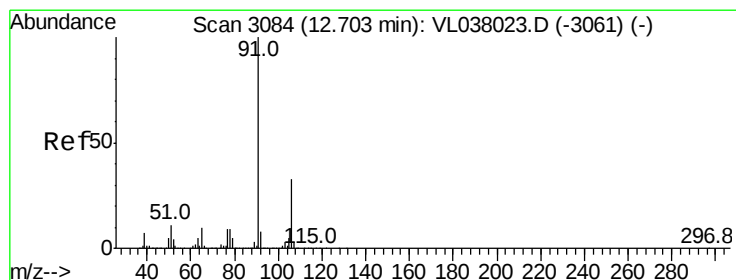
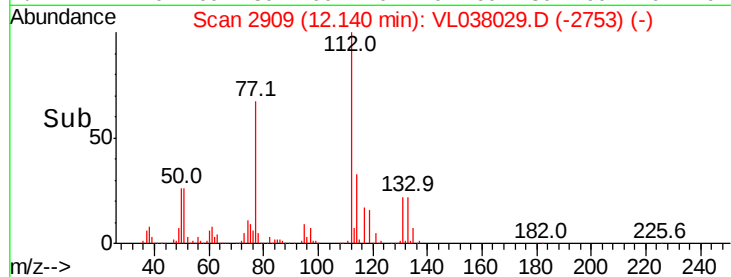
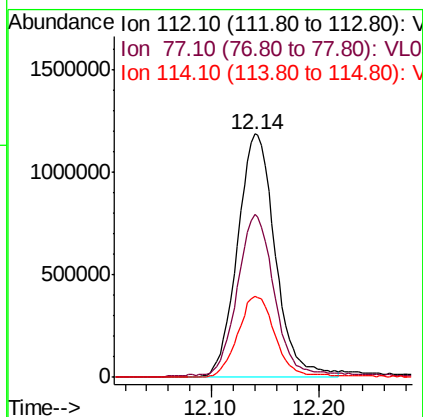
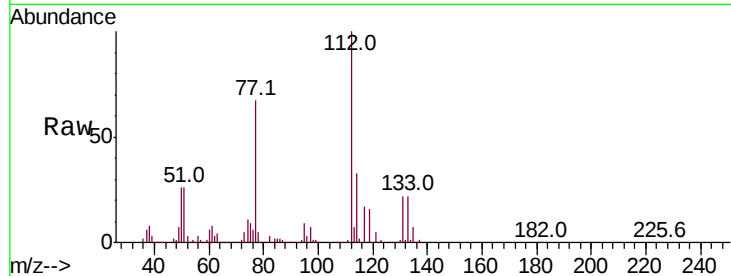
Tgt Ion:131 Resp: 1556552
Ion Ratio Lower Upper
131 100
133 98.1 77.8 116.8
119 126.6 121.1 181.7





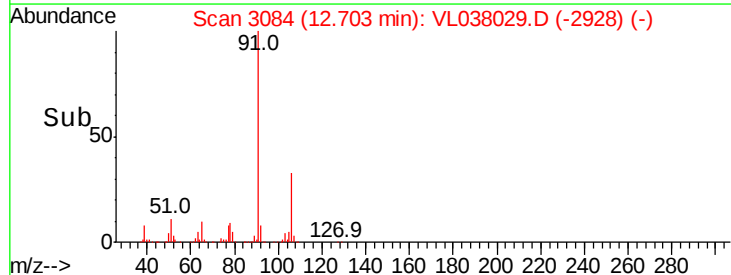
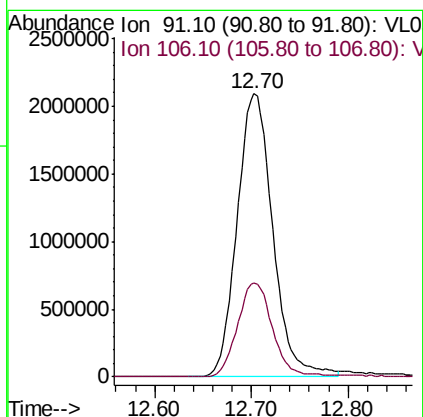
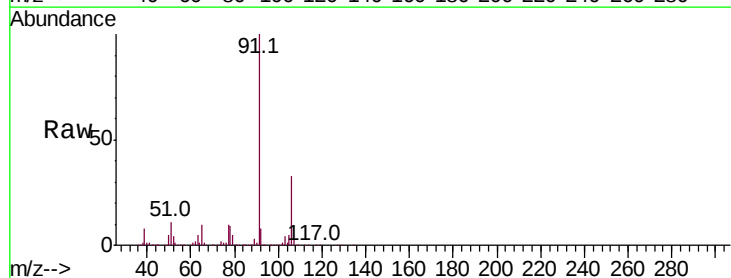
#57
Chlorobenzene
Concen: 9.696 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 5:30

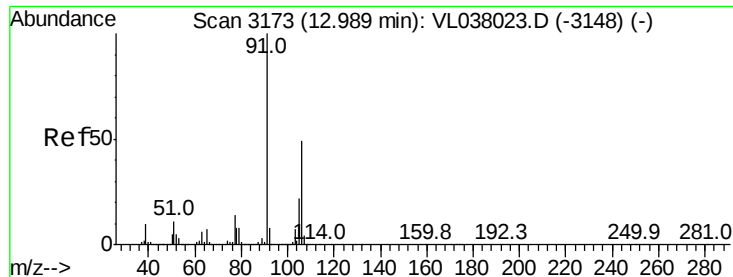
Tot Ion: 112 Resp: 2901595
Ion Ratio Lower Upper
112 100
77 66.0 52.1 78.1
114 33.4 29.1 35.5



#58
Ethyl Benzene
Concen: 11.551 ppbv
RT: 12.70 min Scan# 3084
Delta R.T.: 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

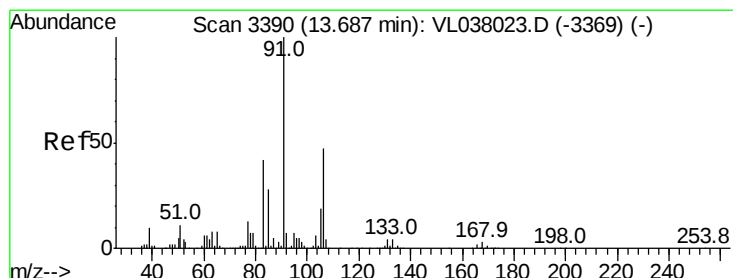
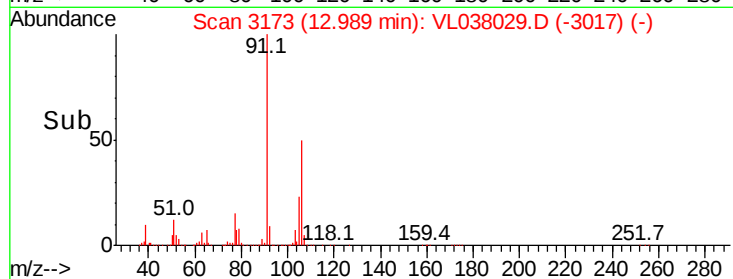
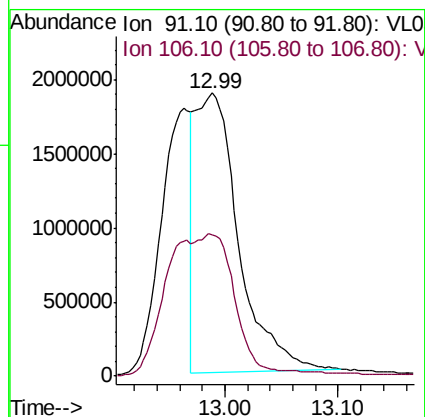
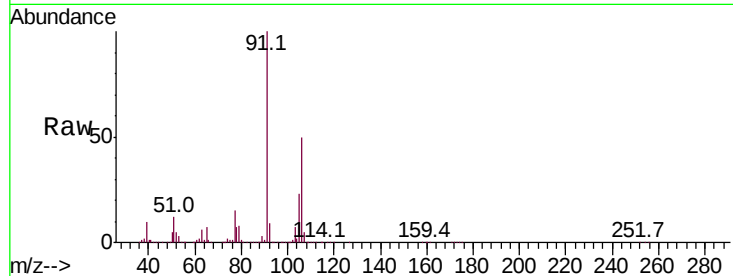
Tgt Ion: 91 Resp: 5370999
Ion Ratio Lower Upper
91 100
106 33.3 26.2 39.2





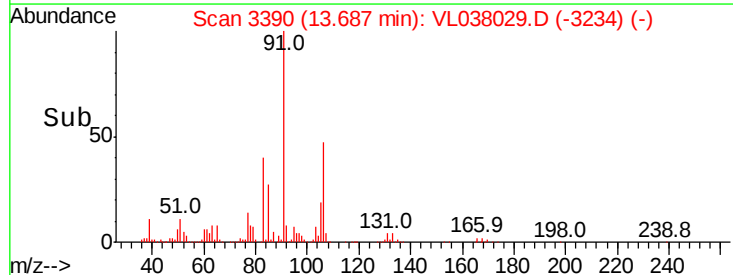
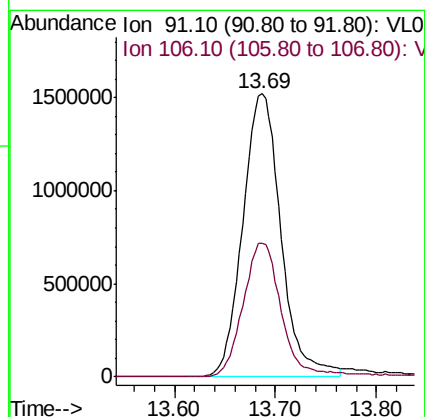
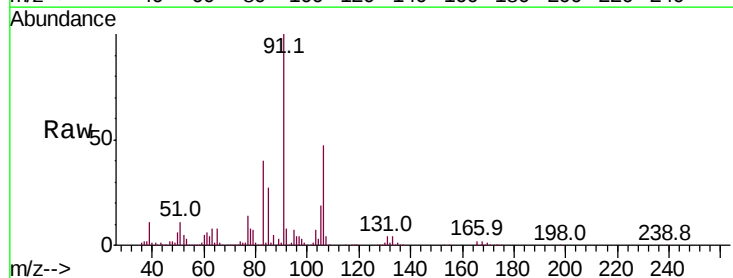
#59
m/p-Xylene
Concen: 12.229 ppbv
RT: 12.99 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 5:30

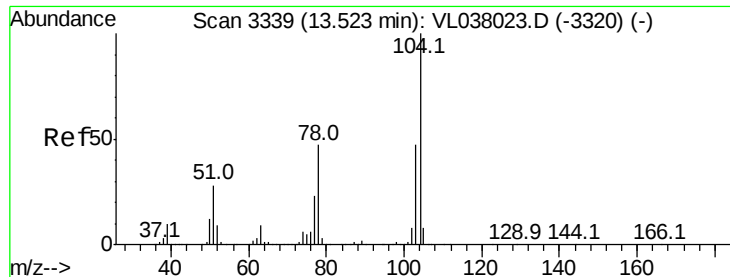
Tot Ion: 91 Resp: 4991795
Ion Ratio Lower Upper
91 100
106 83.0 38.5 57.7#



#60
o-Xylene
Concen: 10.346 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

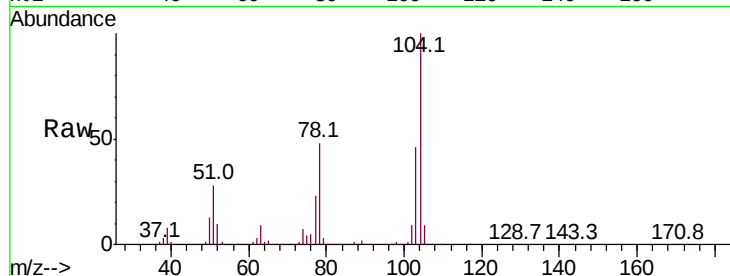
Tgt Ion: 91 Resp: 3974676
Ion Ratio Lower Upper
91 100
106 48.6 24.2 72.6



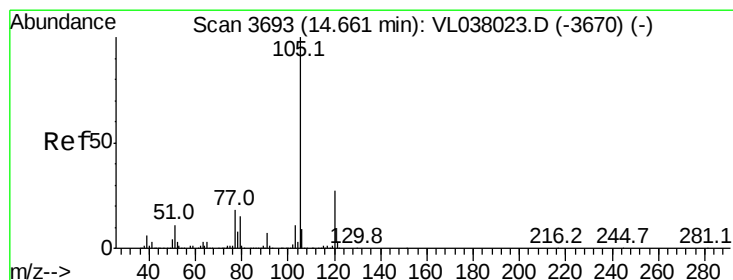
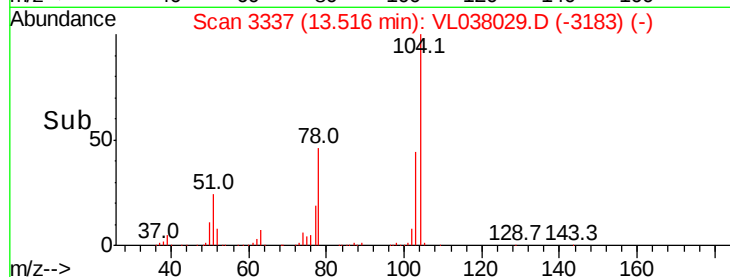
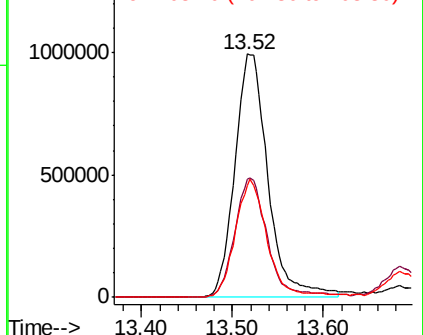


#61
Stvrene
Concen: 13.907 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 5:30

Tot Ion:104 Resp: 2516916
Ion Ratio Lower Upper
104 100
78 48.9 38.7 58.1
103 47.3 36.8 55.2

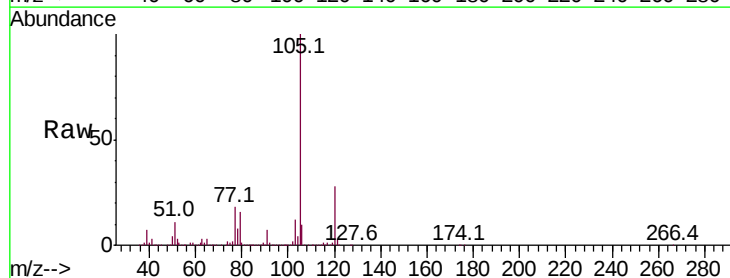


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

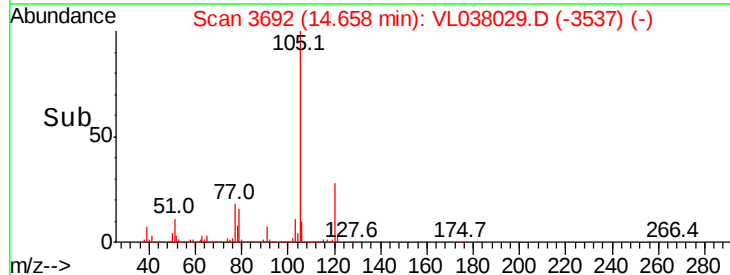
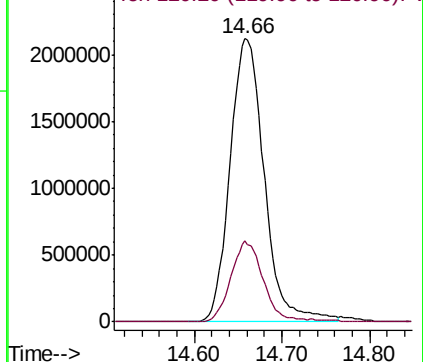


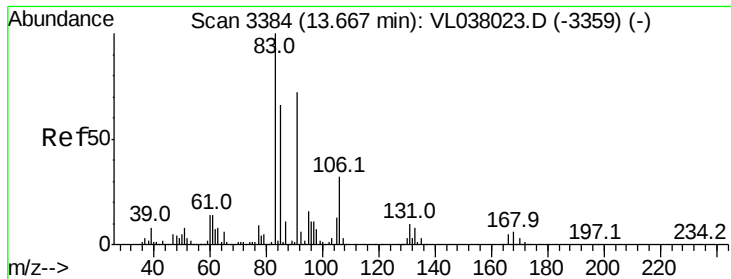
#62
Isopropylbenzene
Concen: 10.499 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL038029.D
Acq: 16 Nov 2021 5:36

Tgt Ion:105 Resp: 5764811
Ion Ratio Lower Upper
105 100
120 27.5 21.7 32.5



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: 8.419 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 5:30

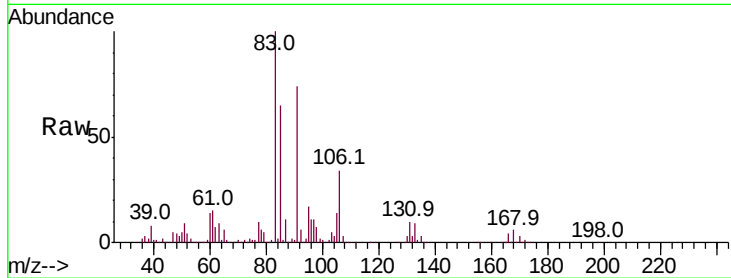
Tot Ion: 83 Resp: 2782923

Ion Ratio Lower Upper

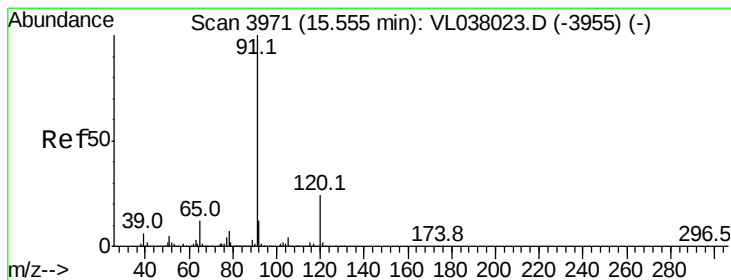
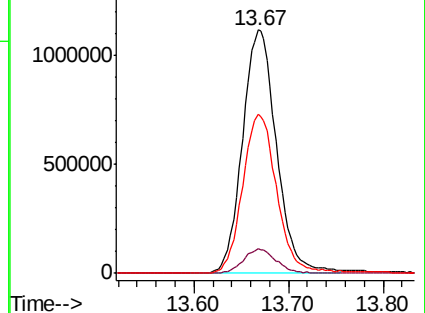
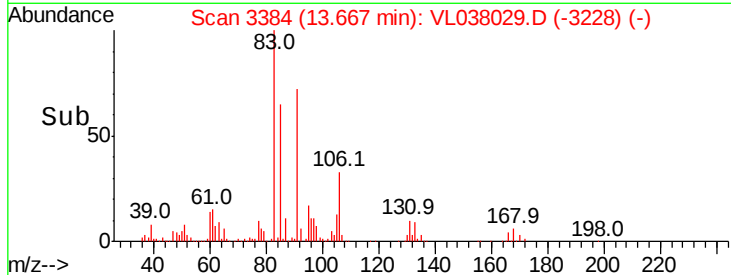
83 100

131 9.9 5.0 14.9

85 66.6 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 11.229 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL038029.D

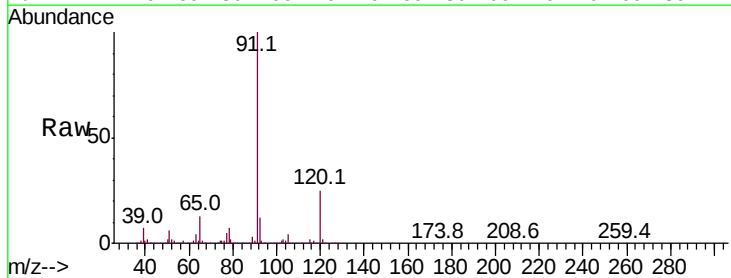
Acq: 16 Nov 2021 5:36

Tgt Ion:120 Resp: 1568193

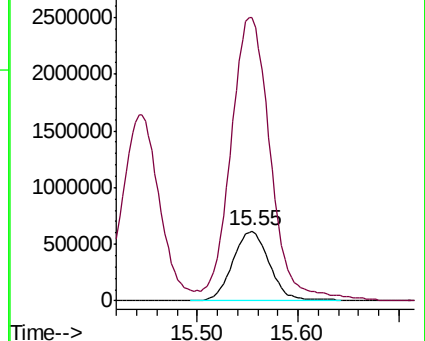
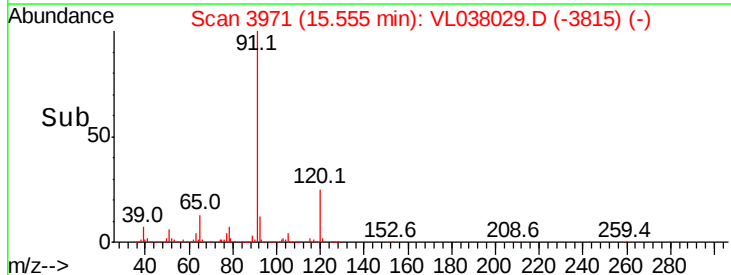
Ion Ratio Lower Upper

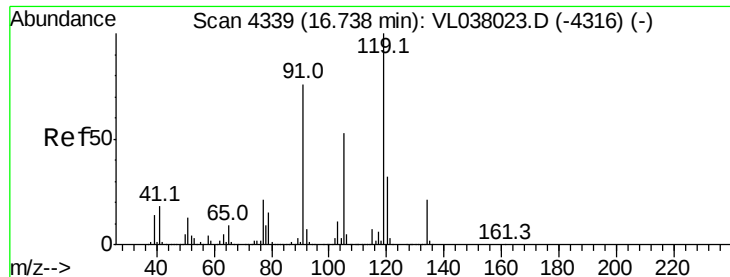
120 100

91 433.4 367.4 551.0



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.793 ppbv

RT: 16.73 min

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 5:30

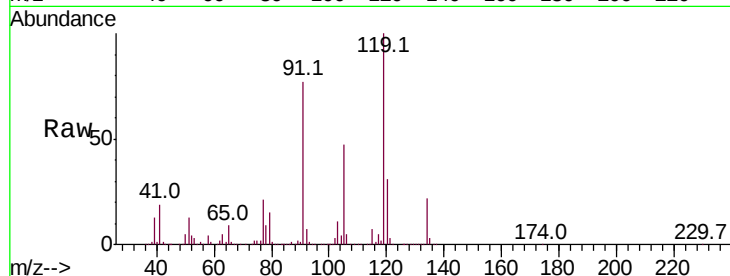
Tot Ion: 119 Resp: 4719405

Ion Ratio Lower Upper

119 100

91 78.3 62.6 93.8

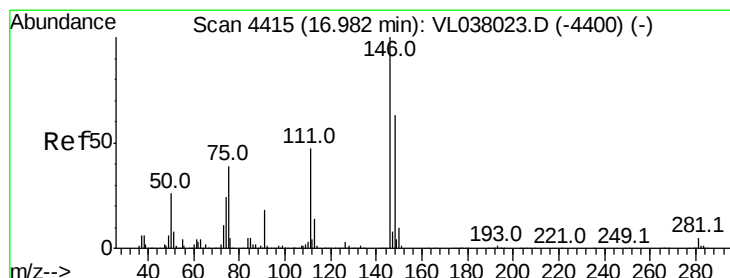
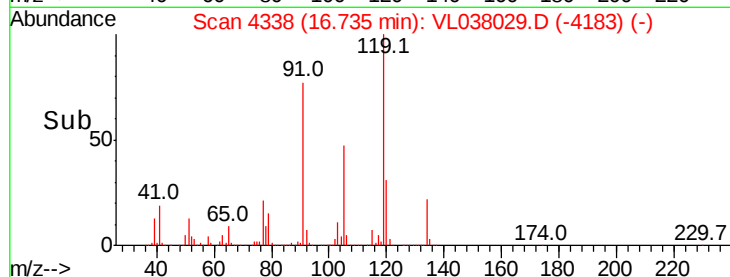
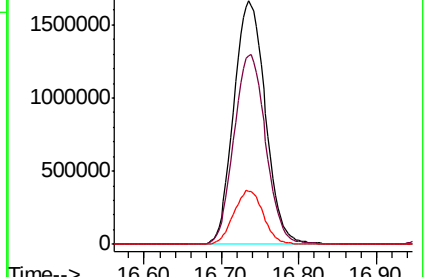
134 20.7 16.1 24.1



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 15.028 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

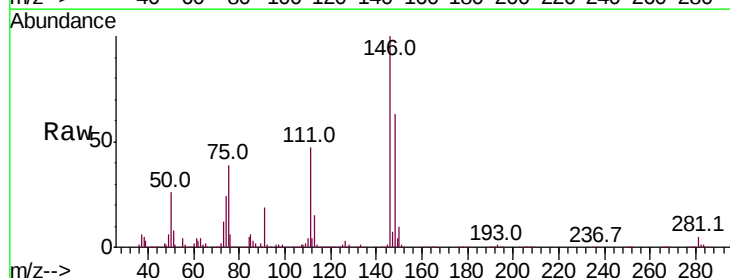
Tgt Ion: 91 Resp: 393967

Ion Ratio Lower Upper

91 100

126 19.5 16.4 24.6

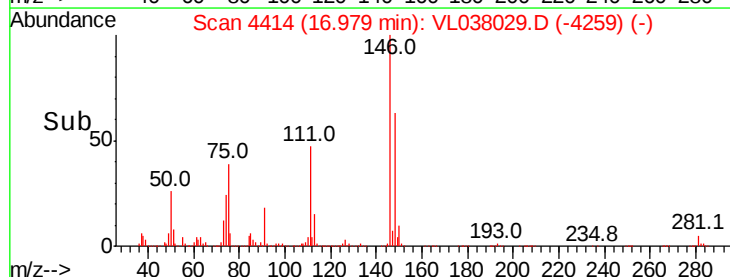
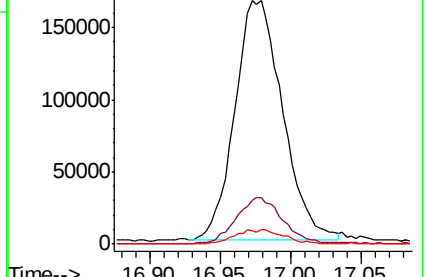
128 6.6 5.6 8.4

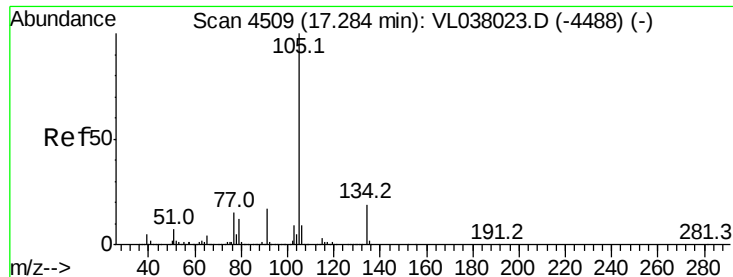


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.978 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File:

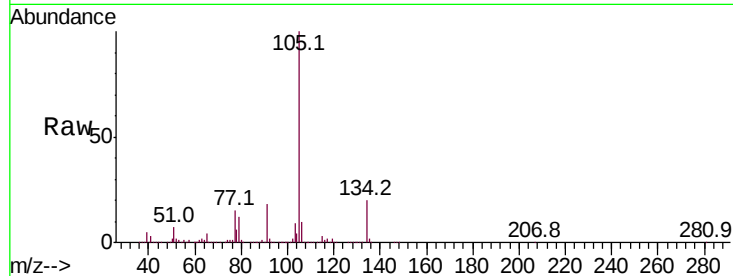
Acq: 16 Nov 2021 5:38

Tot Ion: 105 Resp: 6626243

Ion Ratio Lower Upper

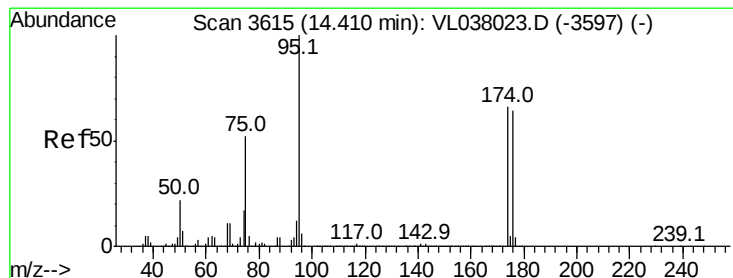
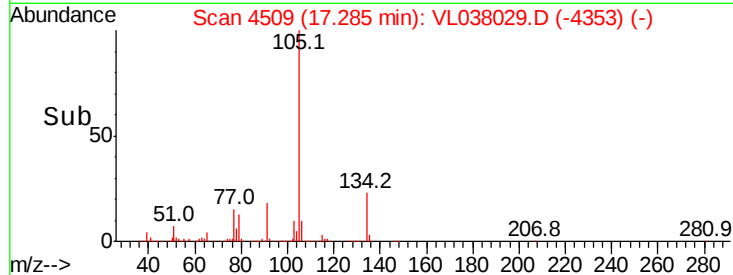
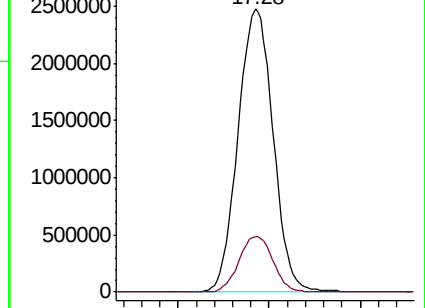
105 100

134 19.3 15.3 22.9



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: 7.750 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

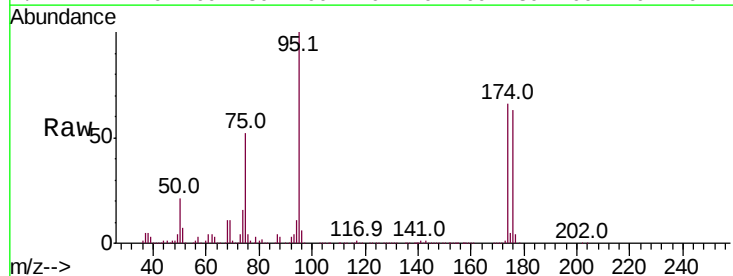
Tgt Ion: 95 Resp: 2107703

Ion Ratio Lower Upper

95 100

174 66.4 54.9 82.3

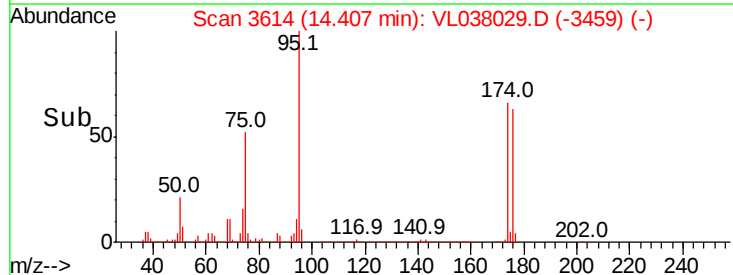
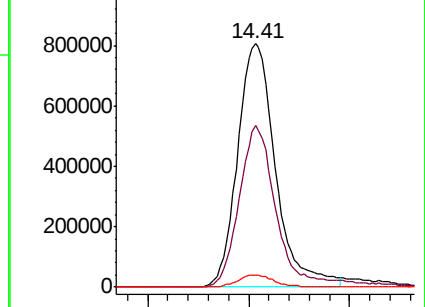
175 5.2 4.0 6.0

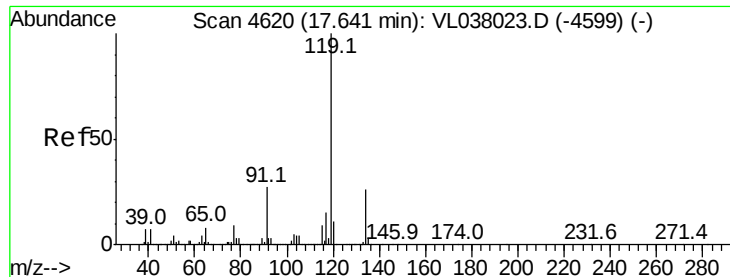


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 10.284 ppbv

RT: 17.64 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 5:30

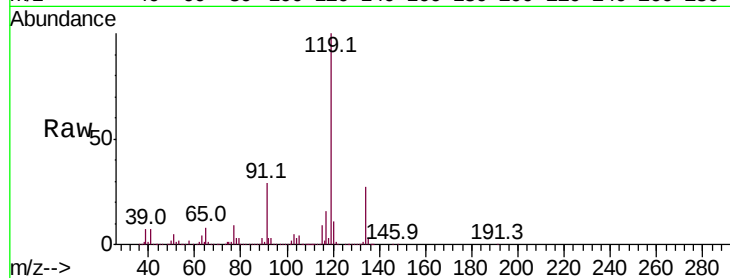
Tot Ion: 119 Resp: 5467794

Ion Ratio Lower Upper

119 100

134 26.5 21.2 31.8

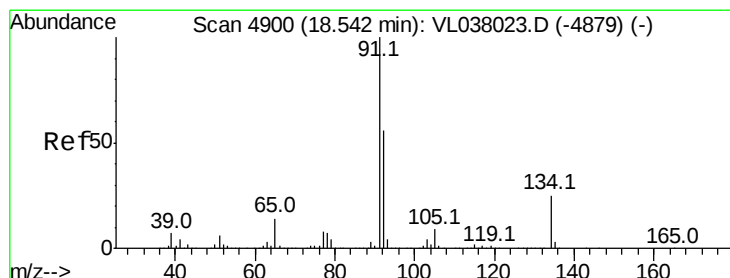
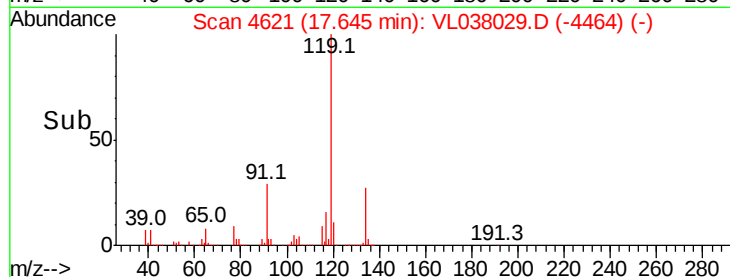
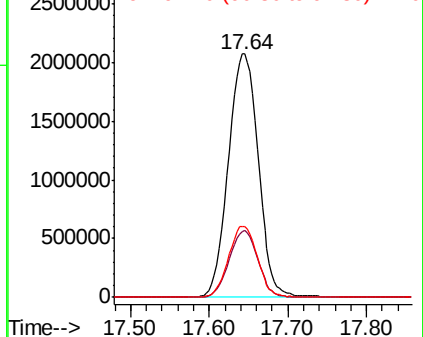
91 28.2 22.2 33.2



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: 10.682 ppbv

RT: 18.54 min Scan# 4899

Delta R.T. -0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

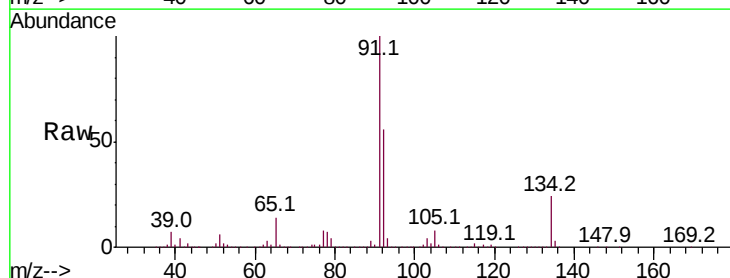
Tgt Ion: 91 Resp: 5214222

Ion Ratio Lower Upper

91 100

92 56.2 44.2 66.2

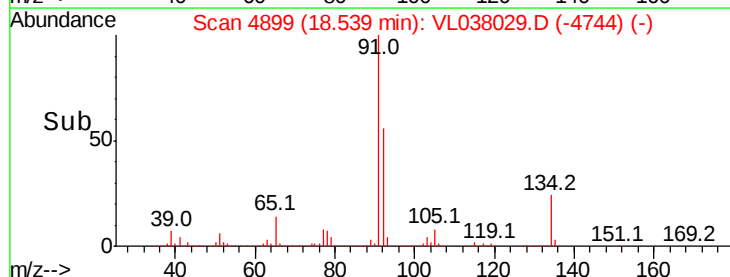
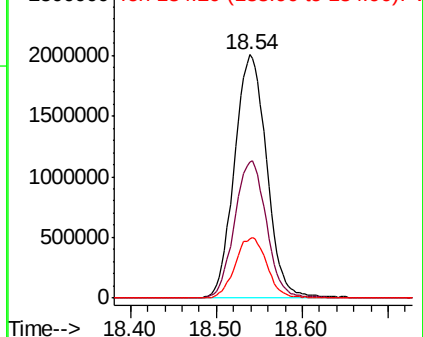
134 24.8 19.7 29.5

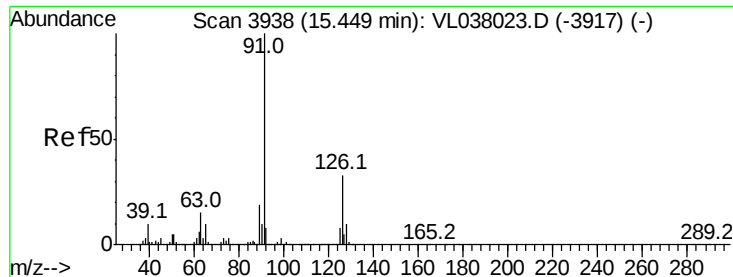


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

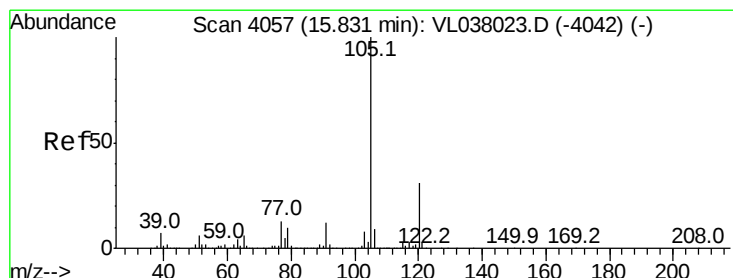
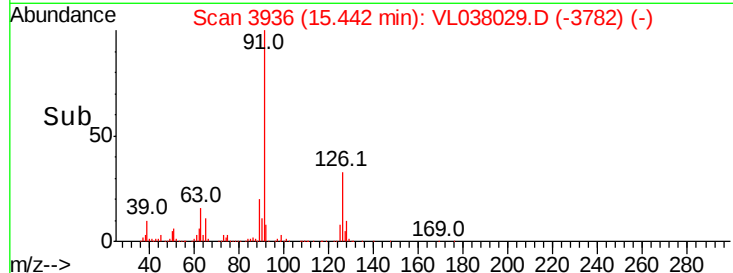
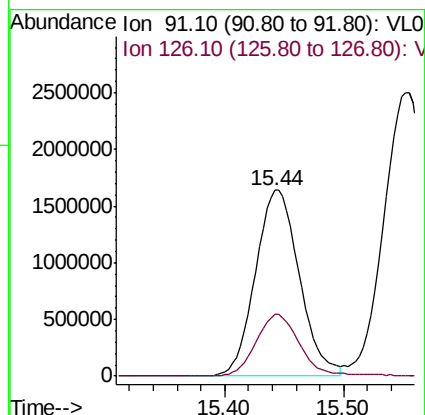
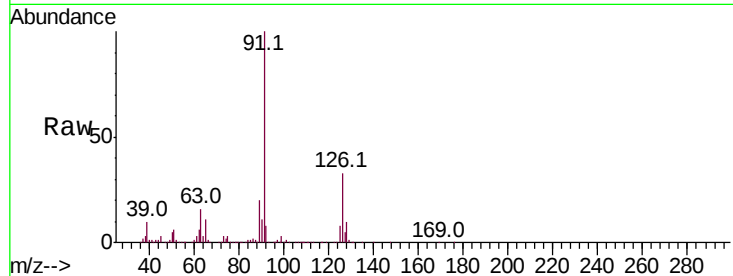
Ion 134.20 (133.90 to 134.90): V





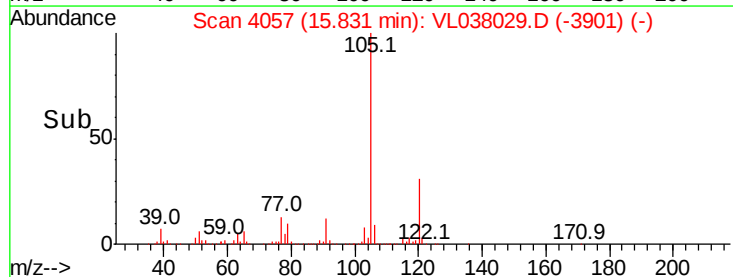
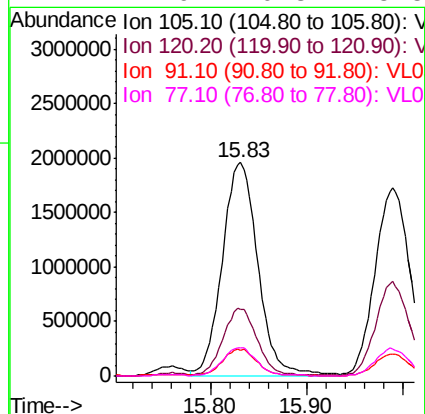
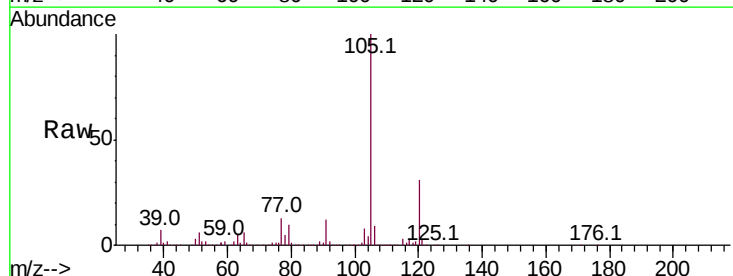
#71
 2-Chlorotoluene
 Concen: 10.915 ppbv
 RT: 15.44 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 5:36

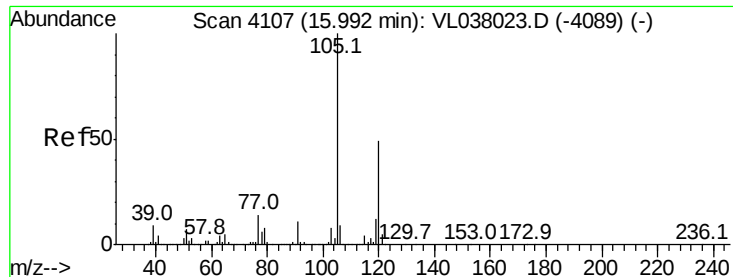
Tot Ion: 91 Resp: 4181826
 Ion Ratio Lower Upper
 91 100
 126 33.9 13.5 54.1



#72
 4-Ethyltoluene
 Concen: 11.296 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T.: 0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion: 105 Resp: 5024271
 Ion Ratio Lower Upper
 105 100
 120 31.0 24.6 36.8
 91 11.7 9.3 13.9
 77 12.9 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 10.721 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

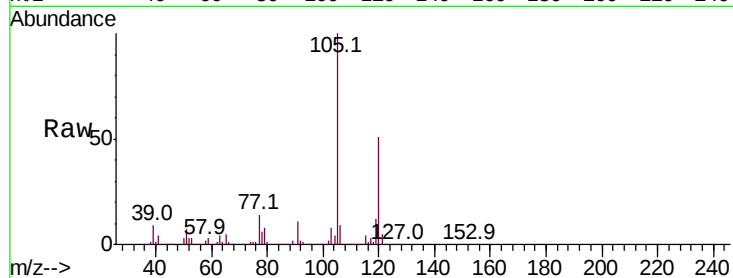
Acq: 16 Nov 2021 5:30

Tot Ion:105 Resp: 4429299

Ion Ratio Lower Upper

105 100

120 50.5 38.8 58.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

2000000

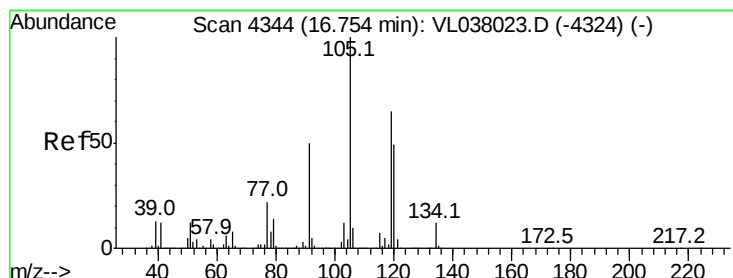
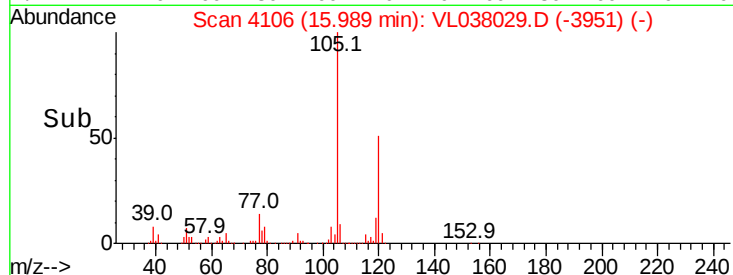
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.811 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

Tgt Ion:105 Resp: 4223662

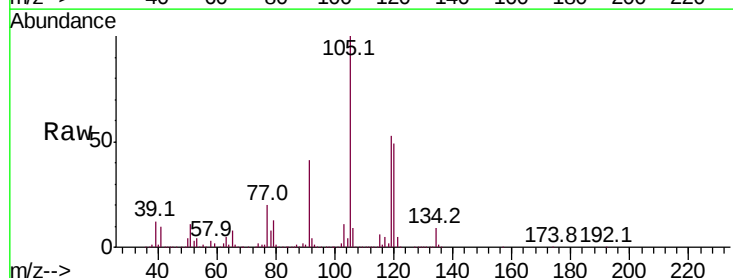
Ion Ratio Lower Upper

105 100

120 48.7 39.5 59.3

91 41.1 40.9 61.3

77 19.6 17.2 25.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

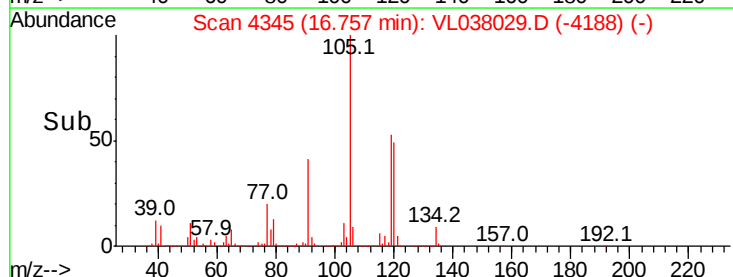
1500000

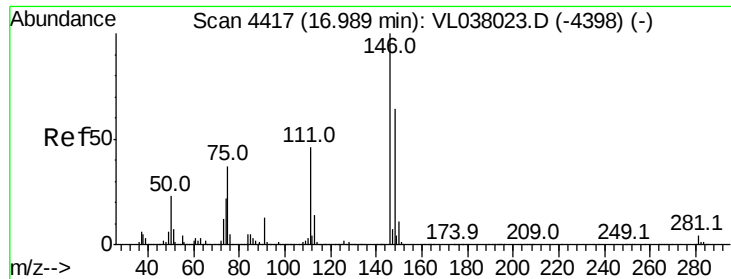
1000000

500000

0

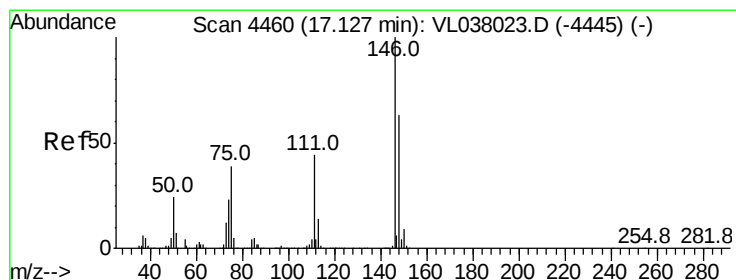
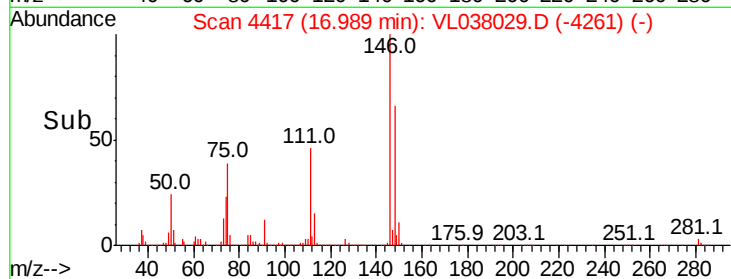
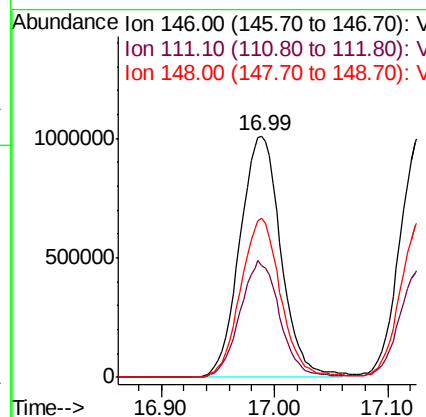
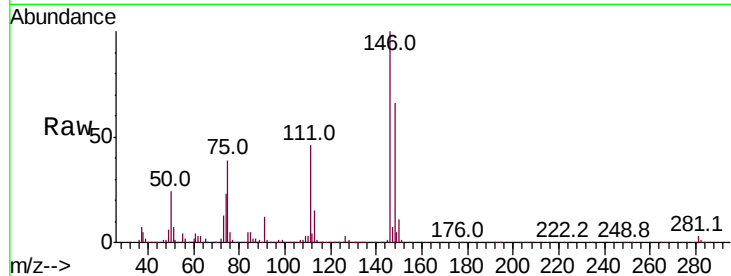
Time-->





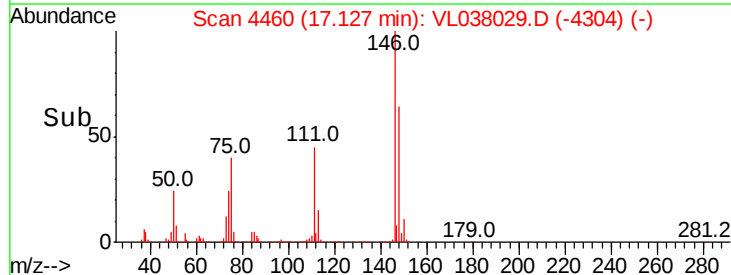
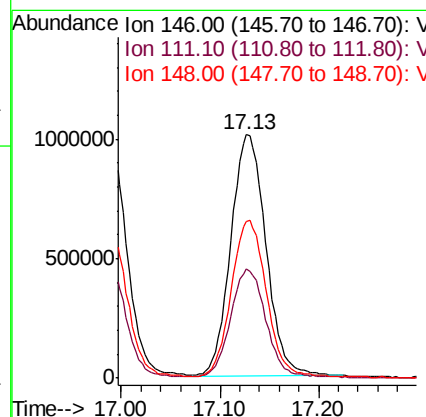
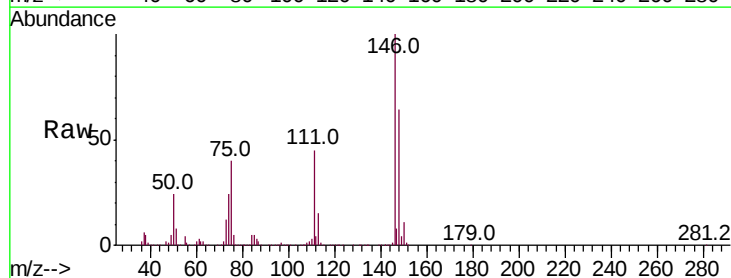
#75
 1,3-Dichlorobenzene
 Concen: 9.541 ppbv
 RT: 16.99 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 5:30

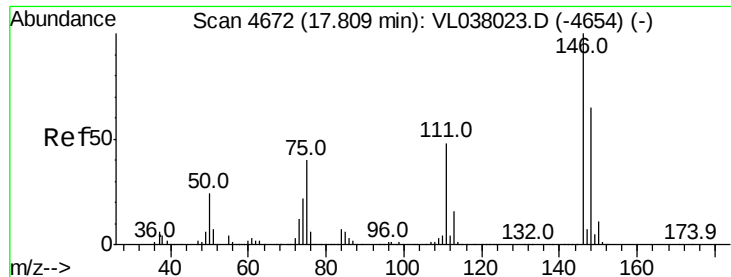
Tot Ion:146 Resp: 2547176
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.1 69.3
 148 64.2 31.9 95.9



#76
 1,4-Dichlorobenzene
 Concen: 9.681 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

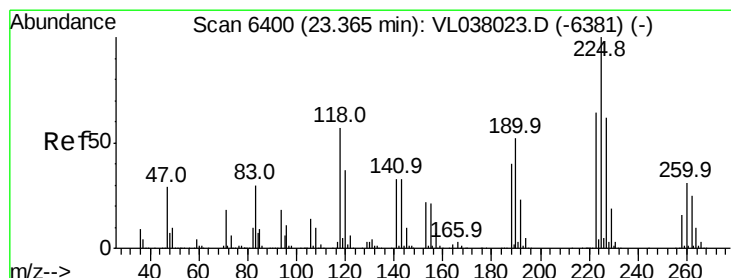
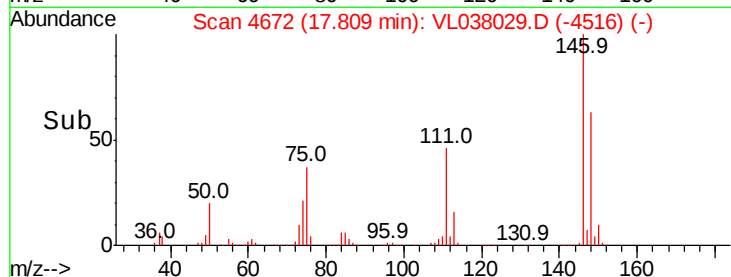
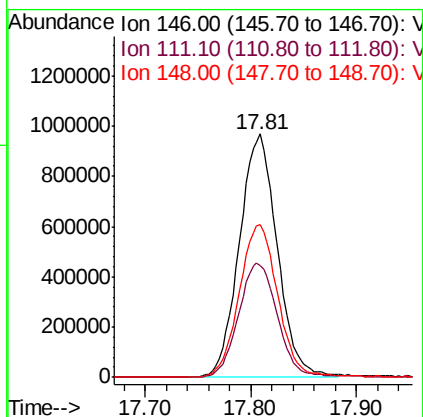
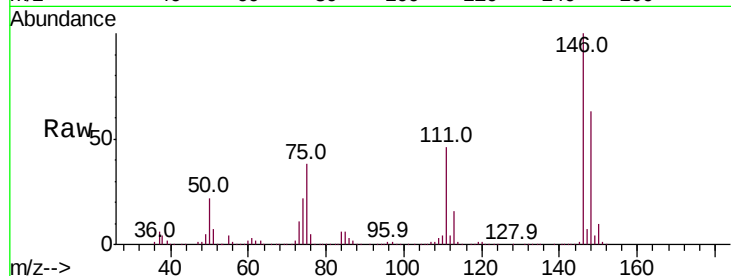
Tgt Ion:146 Resp: 2507560
 Ion Ratio Lower Upper
 146 100
 111 46.2 22.5 67.5
 148 66.1 32.6 98.0





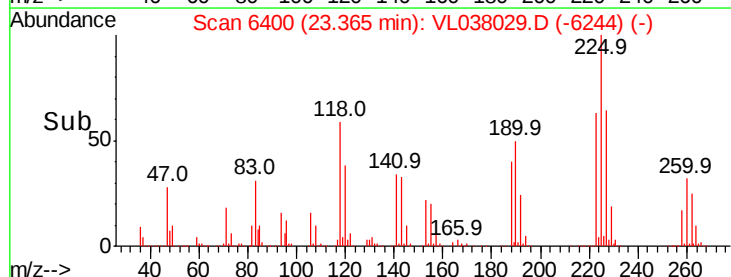
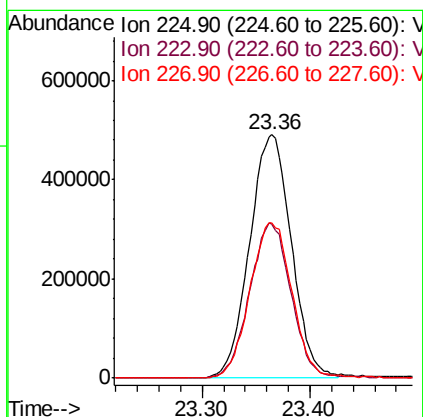
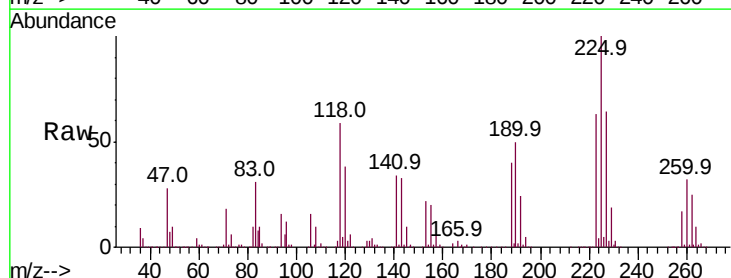
#77
 1,2-Dichlorobenzene
 Concen: 9.598 ppbv
 RT: 17.81 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 5:36

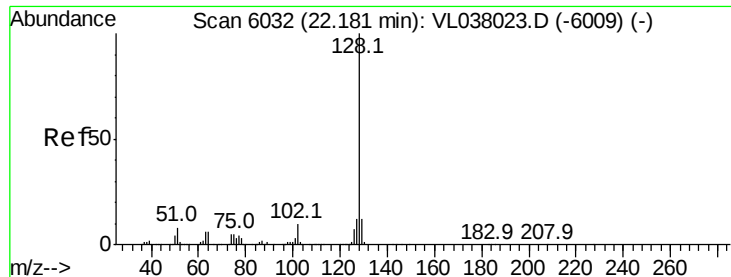
Tot Ion:146 Resp: 2404158
 Ion Ratio Lower Upper
 146 100
 111 48.6 24.2 72.6
 148 64.6 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.379 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T.: 0.00 min
 Lab File: VL038029.D
 Acq: 16 Nov 2021 5:36

Tgt Ion:225 Resp: 1319771
 Ion Ratio Lower Upper
 225 100
 223 63.6 51.0 76.4
 227 64.9 51.4 77.2





#79

Naphthalene

Concen: 11.776 ppbv

RT: 22.18 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 5:30

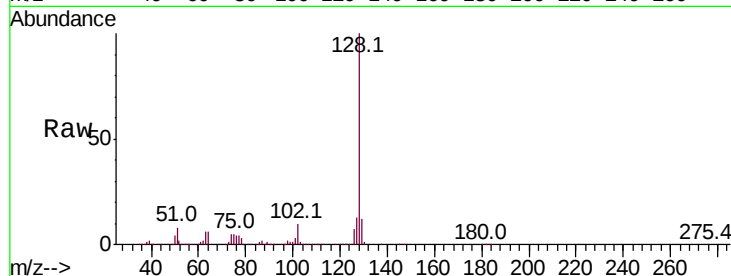
Tot Ion:128 Resp: 2792853

Ion	Ratio	Lower	Upper
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128	100		
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127	12.8	9.8	14.6
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129	11.7	9.4	14.0
-----	------	-----	------

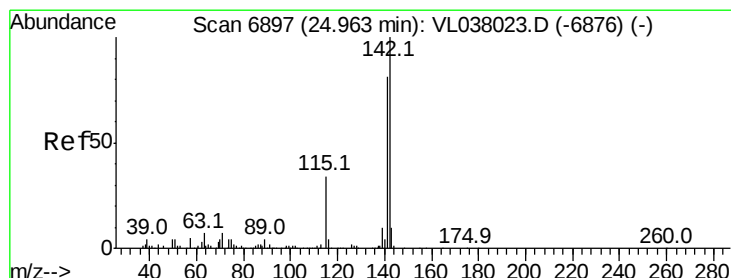
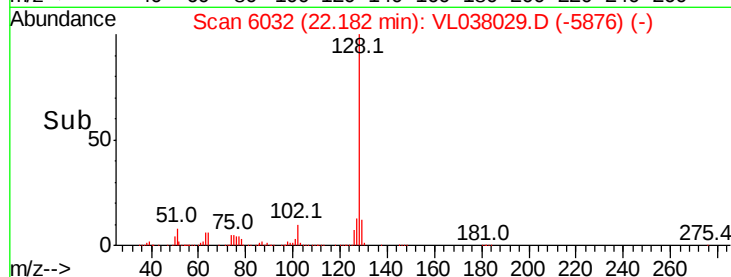
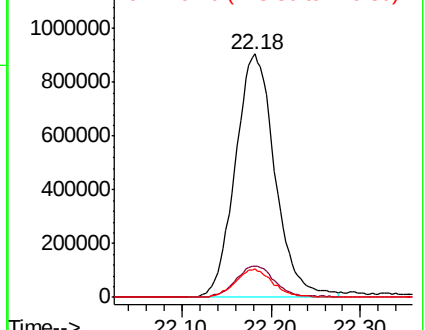


Abundance

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: 18.010 ppbv

RT: 24.96 min Scan# 6897

Delta R.T. 0.00 min

Lab File: VL038029.D

Acq: 16 Nov 2021 5:36

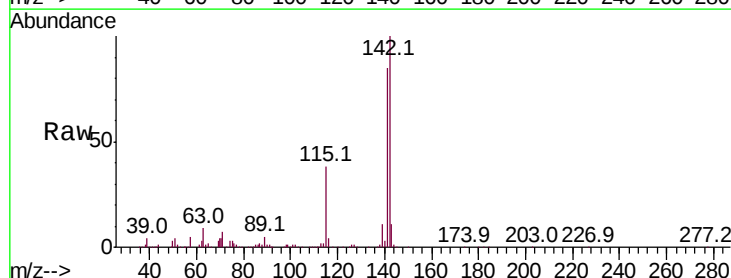
Tgt Ion:142 Resp: 735275

Ion	Ratio	Lower	Upper
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142	100		
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141	83.3	73.4	110.0
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115	33.4	28.1	42.1
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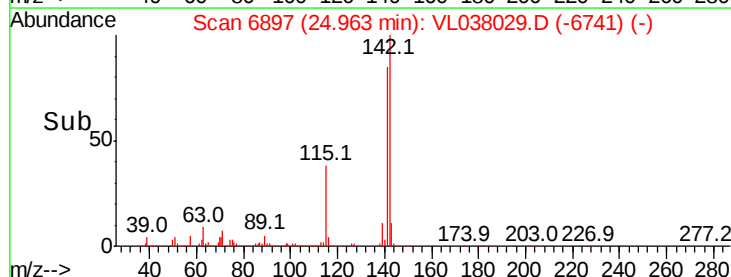
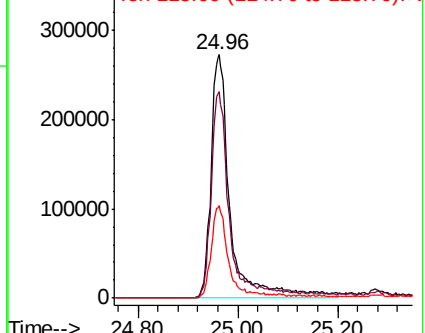


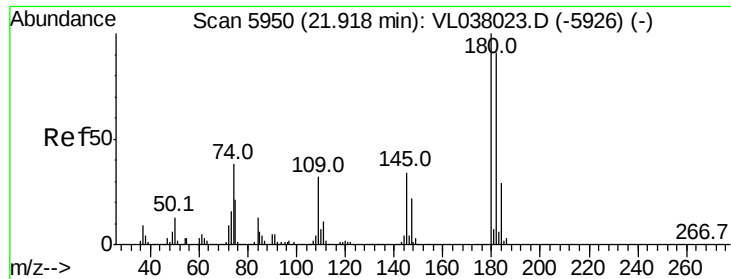
Abundance

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: 9.488 ppbv

RT: 21.91 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 3:30

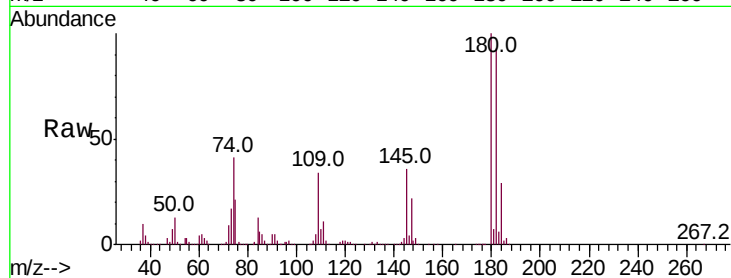
Tot Ion:180 Resp: 1463297

Ion Ratio Lower Upper

180 100

182 98.2 78.8 118.2

184 31.1 24.3 36.5



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

