

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
 Data File : VL039070.D
 Acq On : 17 May 2022 15:06
 Operator : SY/AP
 Sample : VL0517ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0517ABS01

Quant Time: May 28 02:01:44 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	910764	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2187753	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2572666	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1649187	8.09	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1176883	8.247	ppbv 97
3) Chlorodifluoromethane	3.00	51	1146661	10.146	ppbv 98
4) Chloromethane	3.15	50	522787	9.237	ppbv 95
5) Vinyl Chloride	3.27	62	546076	10.566	ppbv 93
6) Bromomethane	3.49	94	262519	10.753	ppbv 97
7) Chloroethane	3.57	64	193264	11.173	ppbv 93
8) Dichlorotetrafluoroethane	3.20	85	1366063	10.563	ppbv 99
9) Propene	3.02	41	451326	9.145	ppbv 99
10) Heptane	8.14	43	1174668	9.701	ppbv 97
11) Trichlorofluoromethane	3.97	101	1314678	10.737	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	917353	10.876	ppbv 98
13) Ethanol	3.62	45	28651	8.203	ppbv 65
14) Bromoethene	3.75	108	394475	11.342	ppbv 97
15) Acetone	3.86	43	897751	10.450	ppbv 100
16) 1,3-Butadiene	3.34	39	497517	10.079	ppbv 98
17) tert-Butyl alcohol	4.29	59	789633	11.959	ppbv 98
18) 1,1-Dichloroethene	4.31	96	407137	11.216	ppbv 97
19) Isopropyl Alcohol	3.97	45	465194	11.388	ppbv 100
20) Methylene Chloride	4.36	84	335299	10.355	ppbv 99
21) Allyl Chloride	4.43	41	613988	10.488	ppbv 98
22) trans-1,2-Dichloroethene	4.90	96	420621	10.727	ppbv 99
23) Vinyl Acetate	5.09	43	592075	8.710	ppbv 97
24) 1,1-Dichloroethane	5.02	63	831101	10.618	ppbv 100
25) Ethyl Acetate	5.69	43	2295836	11.165	ppbv 99
26) Hexane	5.70	57	924394	10.118	ppbv 94
27) Carbon Disulfide	4.57	76	949682	10.942	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	766644	11.029	ppbv 99
29) Chloroform	5.77	83	1551654	10.497	ppbv 98
30) Cyclohexane	7.15	84	737069	9.636	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	953608	10.245	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	1584386	10.720	ppbv 99
34) 2-Butanone	5.26	43	1252068	11.218	ppbv 100
35) Carbon Tetrachloride	7.03	117	1628916	11.300	ppbv 98
36) Benzene	6.91	78	1827198	9.759	ppbv 97
37) 1,2-Dichloroethane	6.32	62	1252189	10.810	ppbv 98
38) Trichloroethene	7.85	130	710757	8.540	ppbv 98
39) 1,2-Dichloropropane	7.63	63	721306	9.901	ppbv 94
40) 1,4-Dioxane	7.84	88	243782	9.317	ppbv # 1
41) Tetrahydrofuran	6.06	42	735701	9.807	ppbv 99
42) Bromodichloromethane	7.81	83	1706320	10.774	ppbv 98
43) Methyl Methacrylate	8.03	69	791023	10.407	ppbv 97

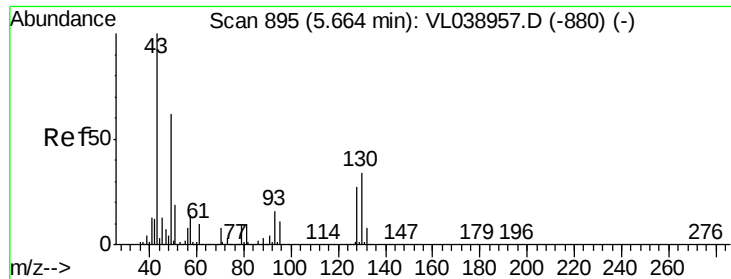
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051722\
 Data File : VL039070.D
 Acq On : 17 May 2022 15:06
 Operator : SY/AP
 Sample : VL0517ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0517ABS01

Quant Time: May 28 02:01:44 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3179999	9.680	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	658153	8.945	ppbv	95
46) cis-1,3-Dichloropropene	8.72	75	910698	9.334	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	763401	10.076	ppbv	97
48) Dibromochloromethane	10.32	129	1363538	11.057	ppbv	100
49) Bromoform	13.06	173	1083990	11.526	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1922125	9.821	ppbv	100
51) 2-Hexanone	10.15	43	1423694	9.967	ppbv #	100
52) Tetrachloroethene	11.24	164	653142	9.762	ppbv	99
53) Toluene	9.82	91	2126066	10.132	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1101631	10.680	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	989735	8.768	ppbv	95
57) Chlorobenzene	12.16	112	1533186	7.950	ppbv	100
58) Ethyl Benzene	12.73	91	2941667	7.945	ppbv	97
59) m/p-Xylene	13.01	91	2484946	7.862	ppbv #	34
60) o-Xylene	13.71	91	2449787	8.235	ppbv	97
61) Styrene	13.54	104	1284479	8.088	ppbv	100
62) Isopropylbenzene	14.68	105	3627513	8.339	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	1644022	9.385	ppbv	100
64) n-propylbenzene	15.57	120	899780	8.555	ppbv	98
65) tert-Butylbenzene	16.76	119	3199058	8.393	ppbv	99
66) Benzyl Chloride	17.00	91	200958	4.033	ppbv	99
67) sec-Butylbenzene	17.30	105	4572204	8.396	ppbv	99
69) p-Isopropyltoluene	17.66	119	3790694	8.616	ppbv	99
70) n-Butylbenzene	18.56	91	4043722	8.651	ppbv	99
71) 2-Chlorotoluene	15.46	91	2766747	8.250	ppbv	100
72) 4-Ethyltoluene	15.85	105	2794084	8.242	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2549908	8.355	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	2810273	8.410	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	1554655	8.492	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	1490188	8.274	ppbv	97
77) 1,2-Dichlorobenzene	17.83	146	1512766	8.354	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	530080	3.185	ppbv #	1
79) Naphthalene	22.20	128	2148806	7.917	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	498699	6.074	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	596763	3.752	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0517ABS01

Acq: 17 May 2022 15:00

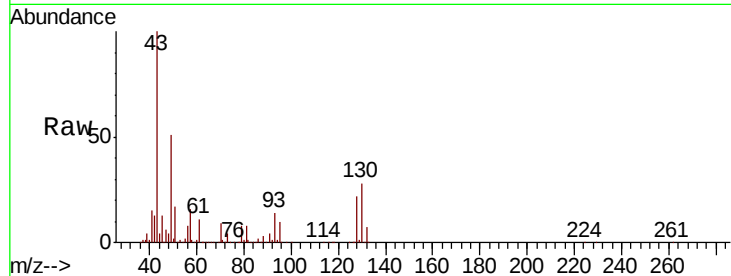
Tot Ion: 49 Resp: 910764

Ion Ratio Lower Upper

49 100

128 46.7 23.3 69.8

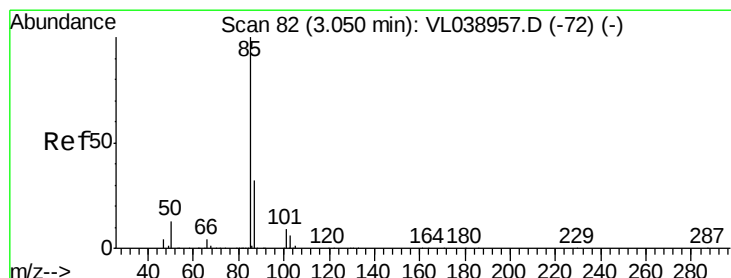
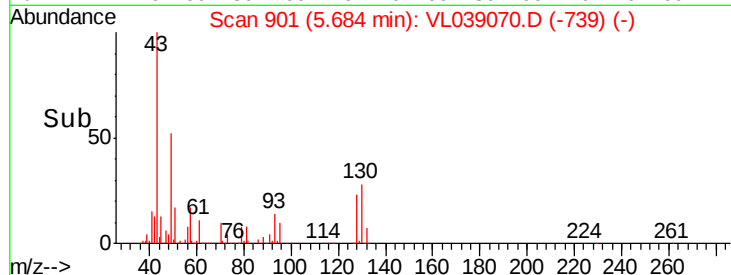
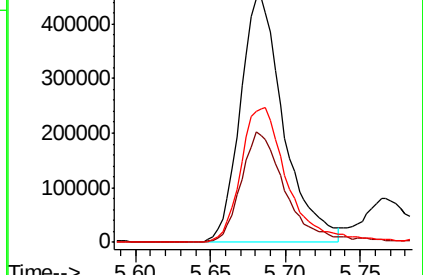
130 59.7 29.8 89.3



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: 8.247 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL039070.D

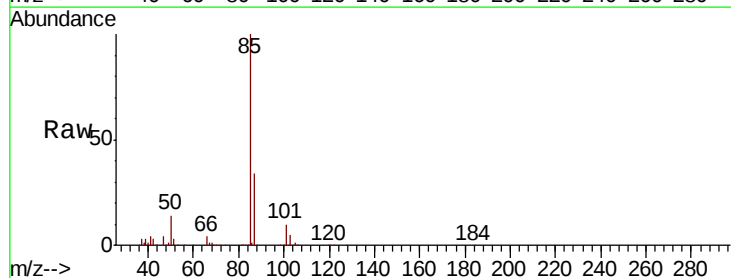
Acq: 17 May 2022 15:06

Tgt Ion: 85 Resp: 1176883

Ion Ratio Lower Upper

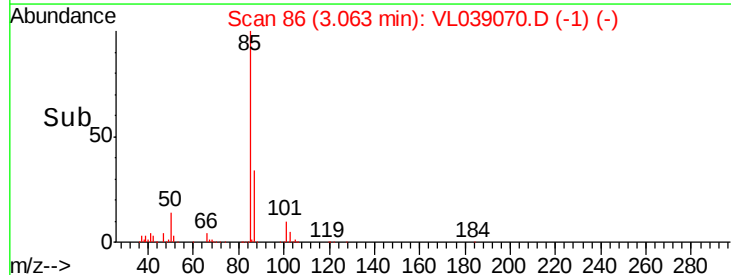
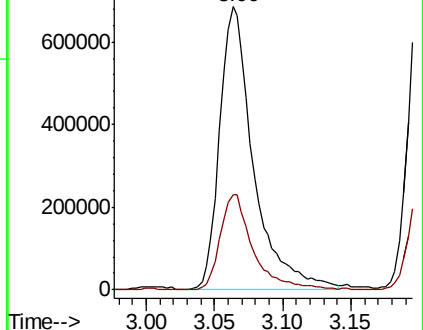
85 100

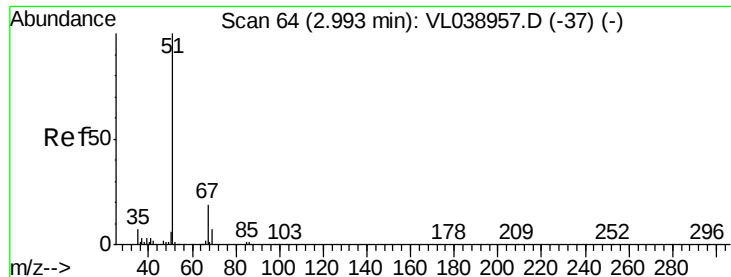
87 33.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

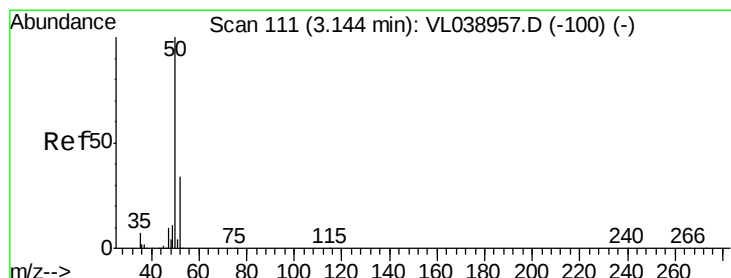
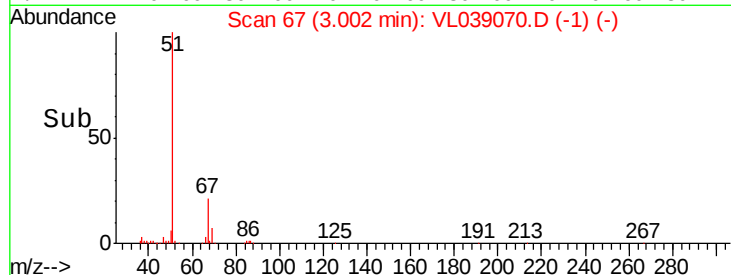
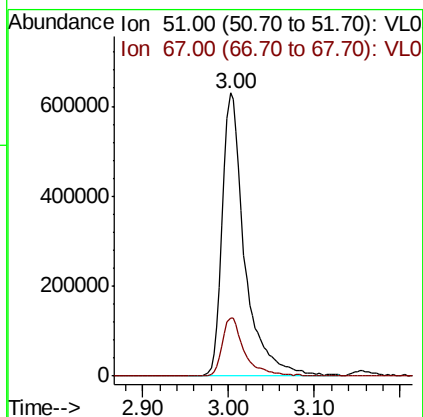
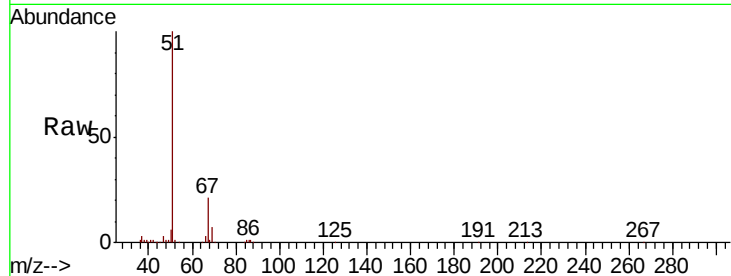
Ion 87.00 (86.70 to 87.70): VL0





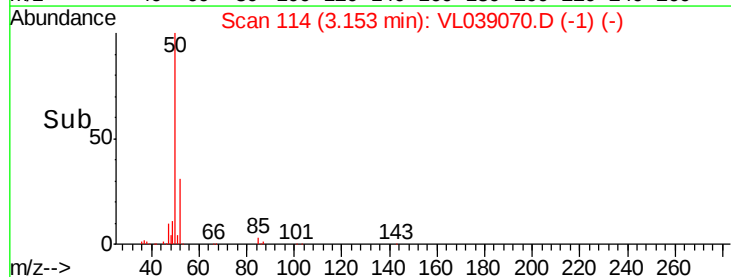
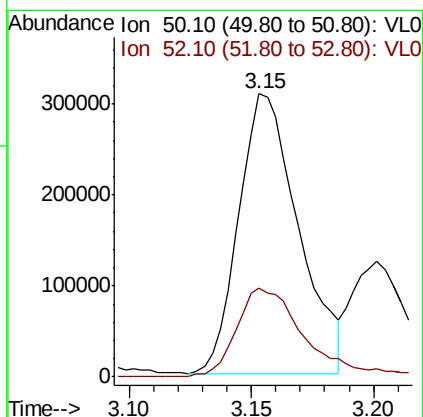
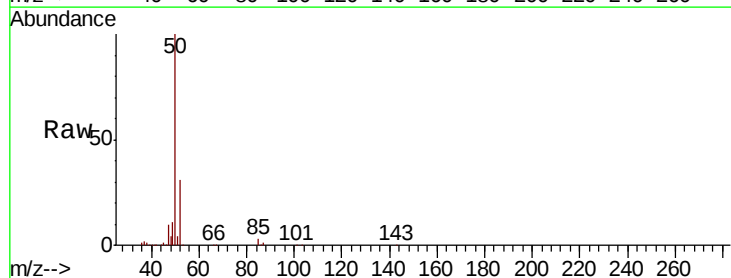
#3
Chlorodifluoromethane
Concen: 10.146 ppbv
RT: 3.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0517ABS01
Acq: 17 May 2022 15:00

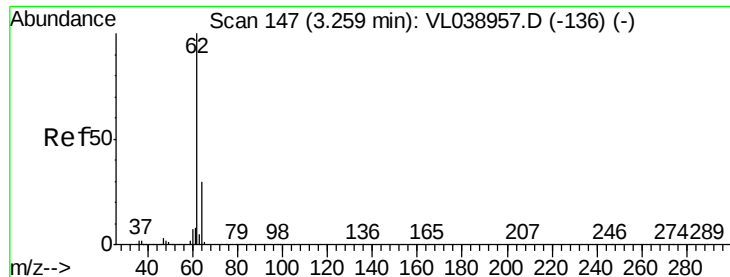
Tot Ion: 51 Resp: 1146661
Ion Ratio Lower Upper
51 100
67 20.6 15.8 23.8



#4
Chloromethane
Concen: 9.237 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.01 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion: 50 Resp: 522787
Ion Ratio Lower Upper
50 100
52 31.5 27.3 40.9





#5

Vinyl Chloride

Concen: 10.566 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VL0517ABS01

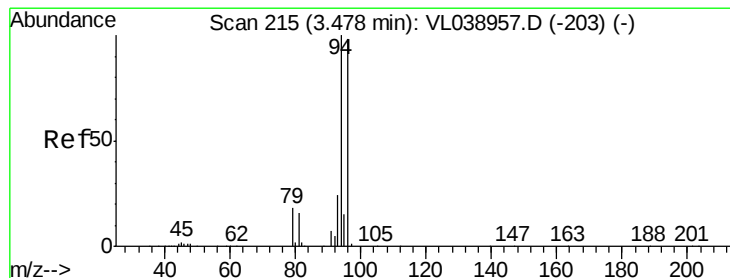
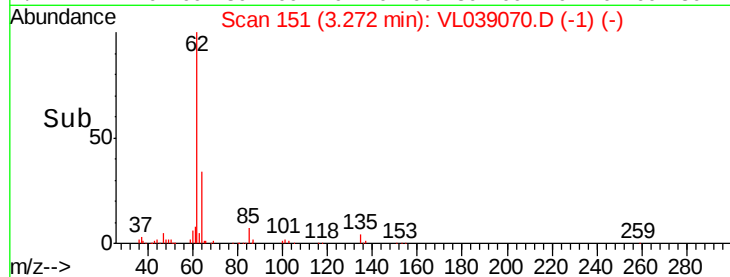
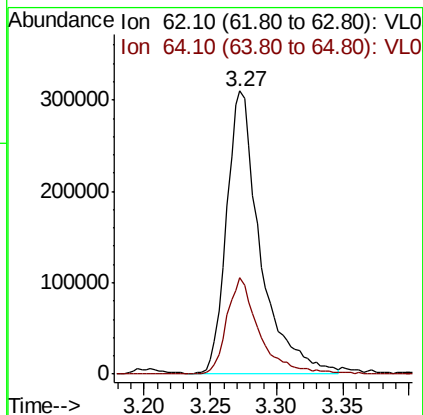
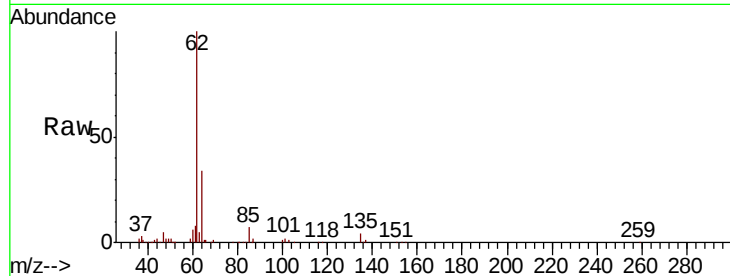
Acq: 17 May 2022 15:00

Tot Ion: 62 Resp: 546076

Ion Ratio Lower Upper

62 100

64 34.2 24.2 36.4



#6

Bromomethane

Concen: 10.753 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL039070.D

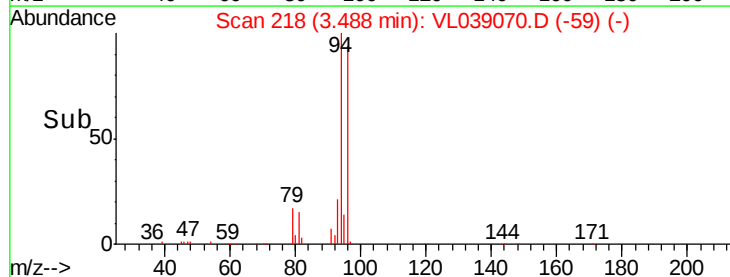
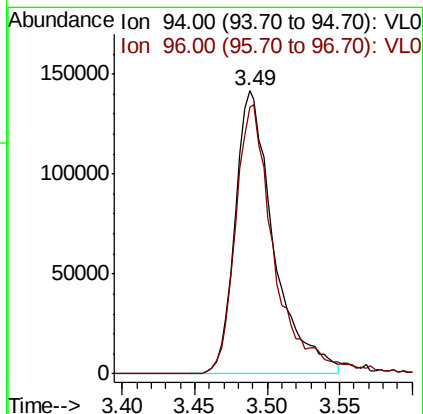
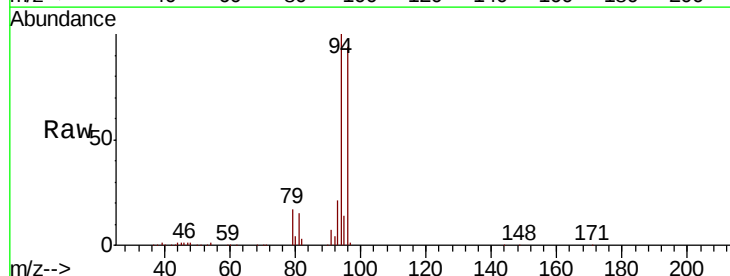
Acq: 17 May 2022 15:06

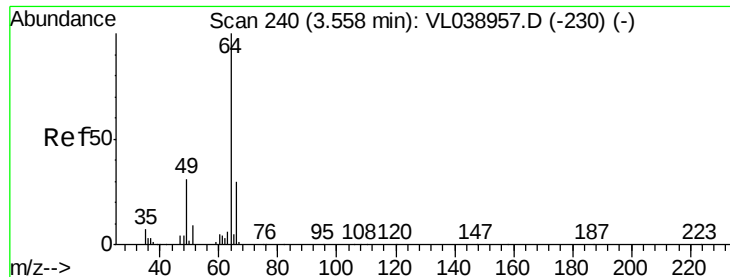
Tgt Ion: 94 Resp: 262519

Ion Ratio Lower Upper

94 100

96 94.3 78.1 117.1





#7

Chloroethane

Concen: 11.173 ppbv

RT: 3.57 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0517ABS01

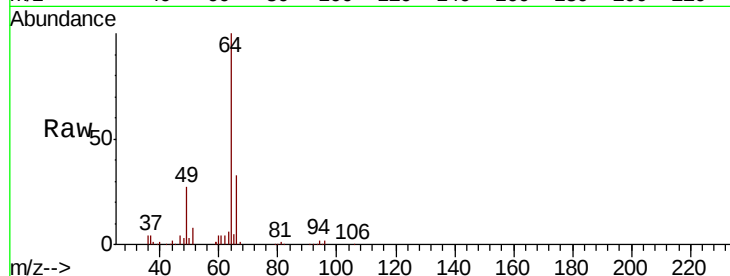
Acq: 17 May 2022 15:00

Tot Ion: 64 Resp: 193264

Ion Ratio Lower Upper

64 100

66 33.4 23.8 35.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

120000

100000

80000

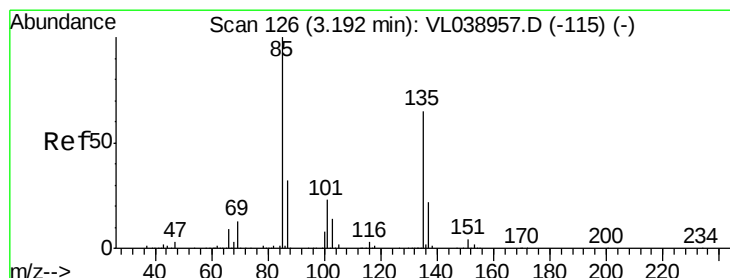
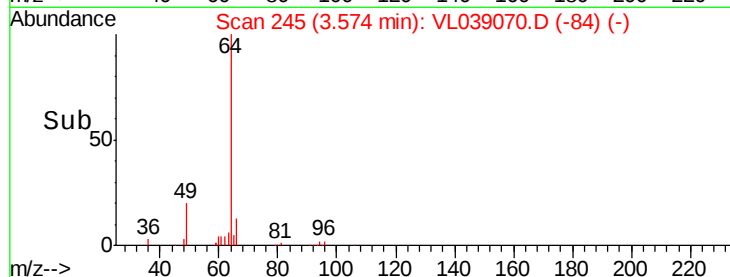
60000

40000

20000

0

Time--> 3.50 3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 10.563 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL039070.D

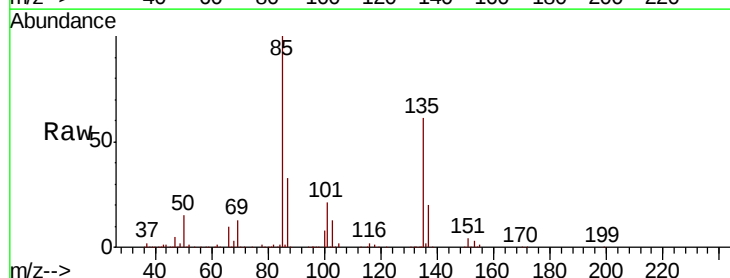
Acq: 17 May 2022 15:06

Tgt Ion: 85 Resp: 1366063

Ion Ratio Lower Upper

85 100

135 66.1 53.6 80.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

800000

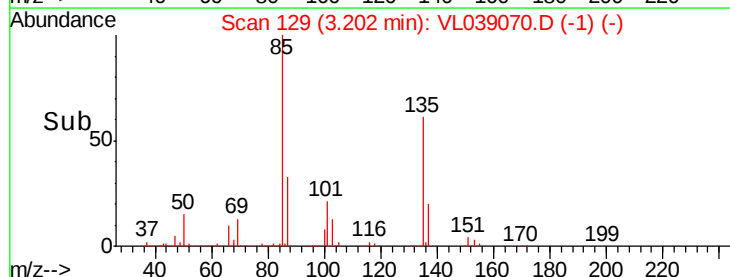
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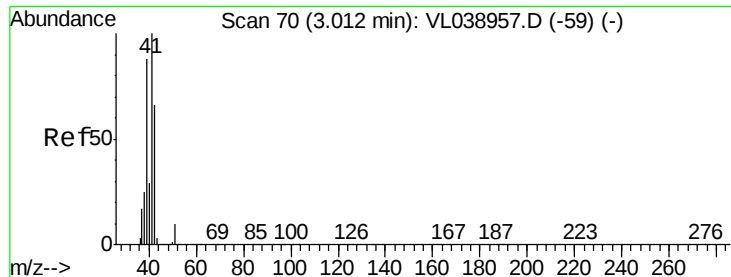
400000

200000

0

Time--> 3.15 3.20 3.25 3.30





#9

Propene

Concen: 9.145 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: VL0517ABS01 ClientSampleId:

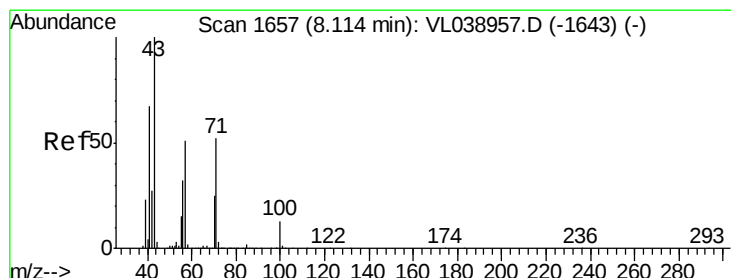
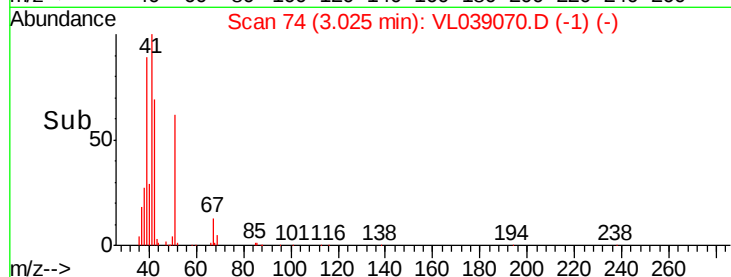
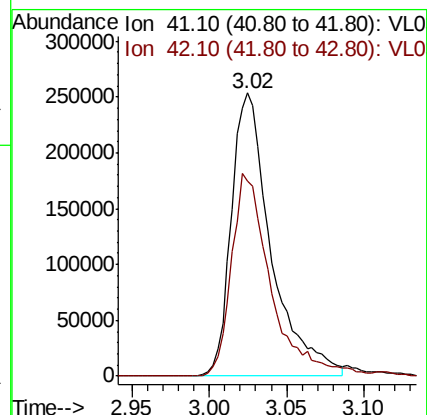
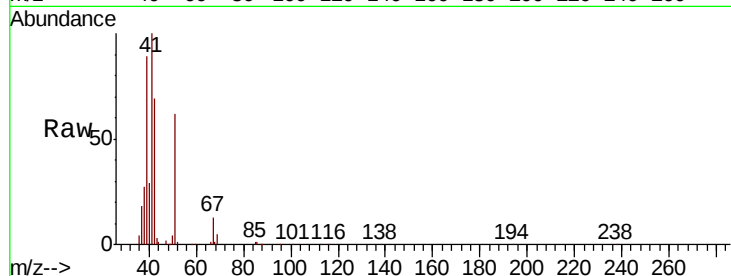
Acq: 17 May 2022 15:00

Tot Ion: 41 Resp: 451326

Ion Ratio Lower Upper

41 100

42 72.2 58.3 87.5



#10

Heptane

Concen: 9.701 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.03 min

Lab File: VL039070.D

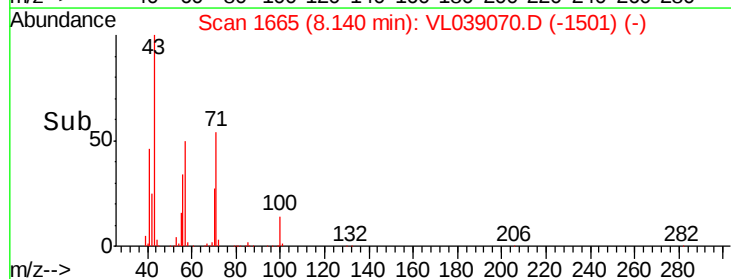
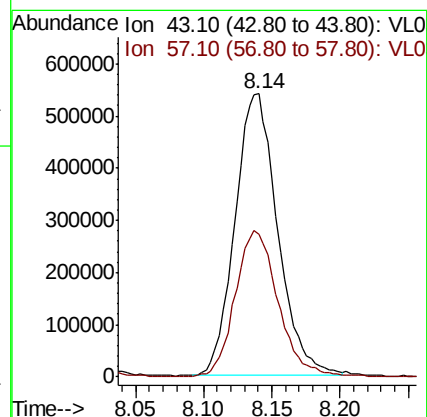
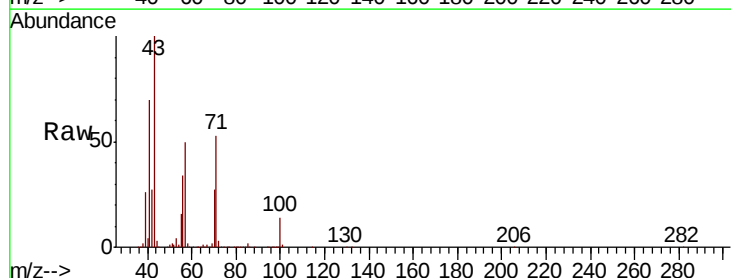
Acq: 17 May 2022 15:06

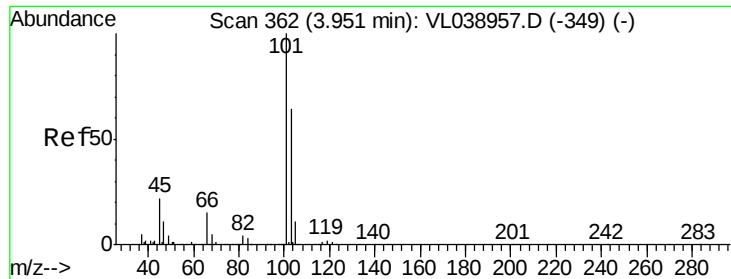
Tgt Ion: 43 Resp: 1174668

Ion Ratio Lower Upper

43 100

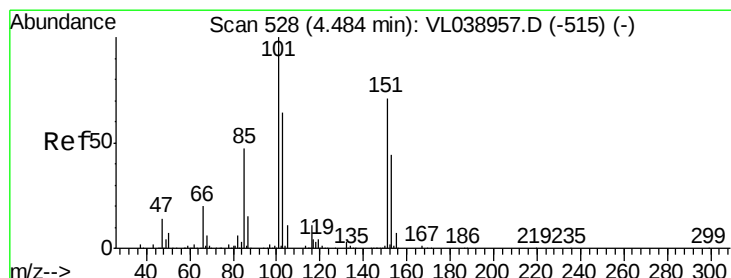
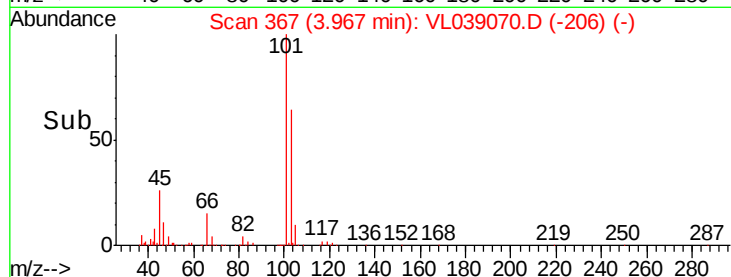
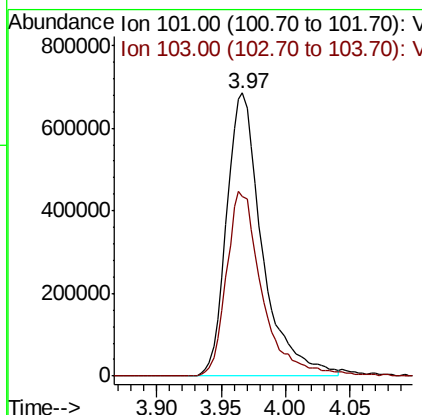
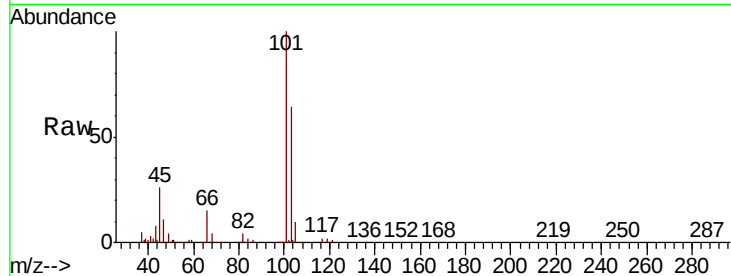
57 52.4 40.5 60.7





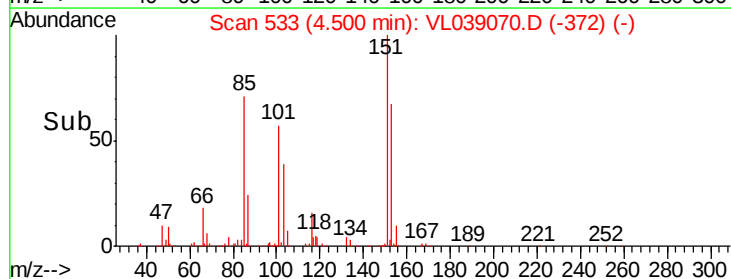
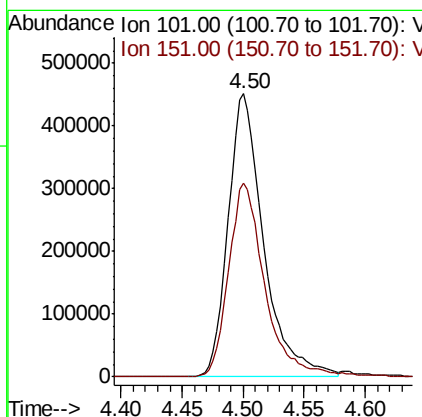
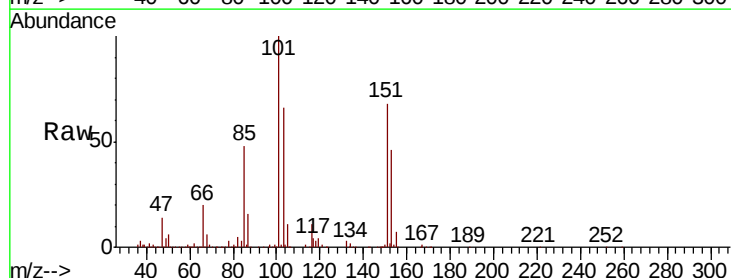
#11
 Trichlorofluoromethane
 Concen: 10.737 ppbv
 RT: 3.97
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0517ABS01
 Acq: 17 May 2022 15:00

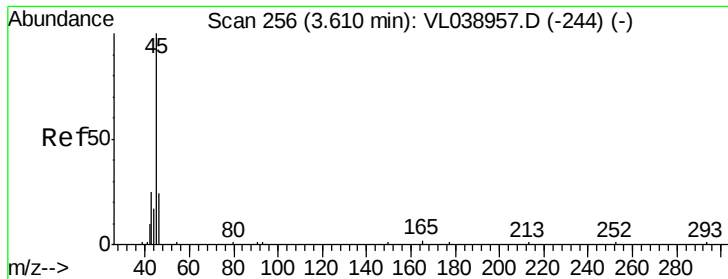
Tot Ion:101 Resp: 1314678
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.876 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VL039070.D
 Acq: 17 May 2022 15:06

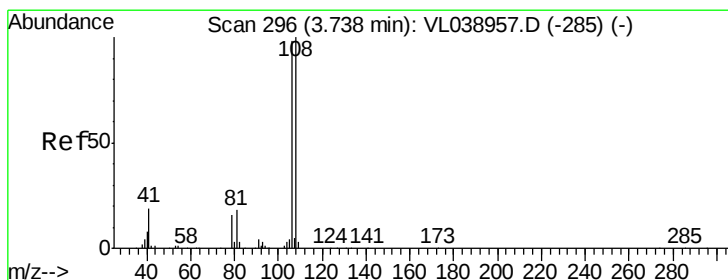
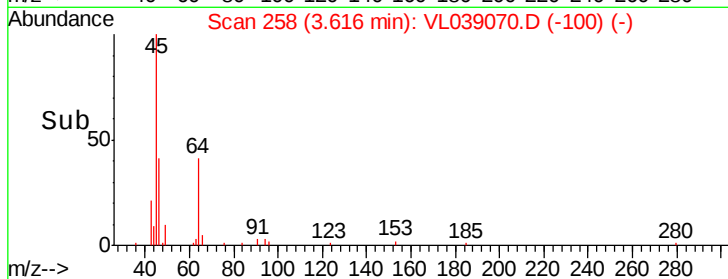
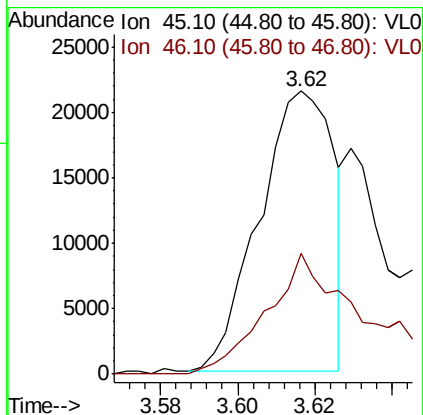
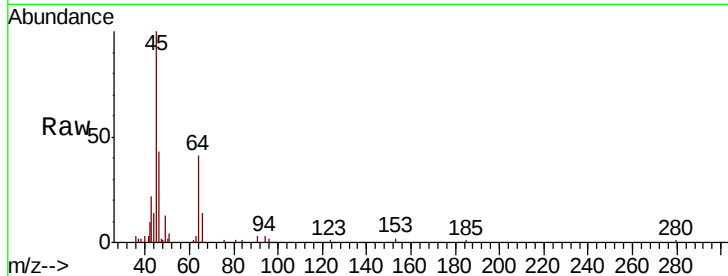
Tgt Ion:101 Resp: 917353
 Ion Ratio Lower Upper
 101 100
 151 70.6 55.4 83.0





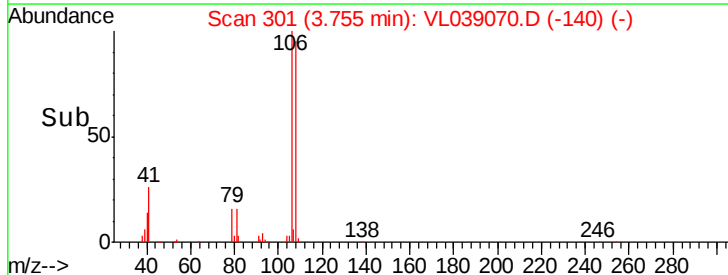
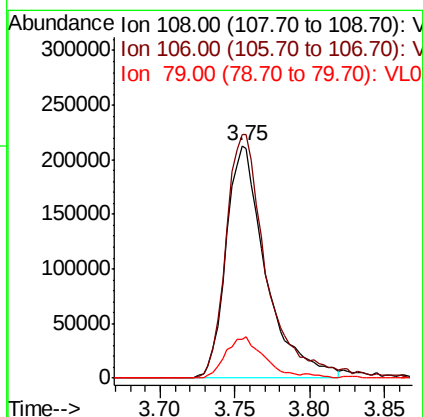
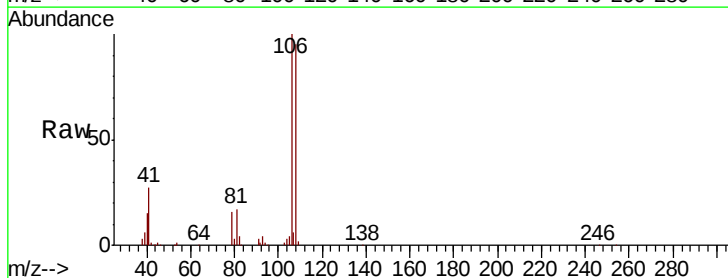
#13
Ethanol
Concen: 8.203 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
VL0517ABS01
Acq: 17 May 2022 15:00

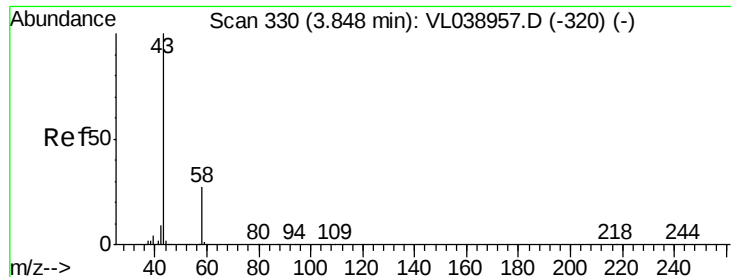
Tot Ion: 45 Resp: 28651
Ion Ratio Lower Upper
45 100
46 67.9 18.0 72.2



#14
Bromoethene
Concen: 11.342 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.02 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion: 108 Resp: 394475
Ion Ratio Lower Upper
108 100
106 109.1 90.3 135.5
79 18.5 14.9 22.3





#15

Acetone

Concen: 10.450 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

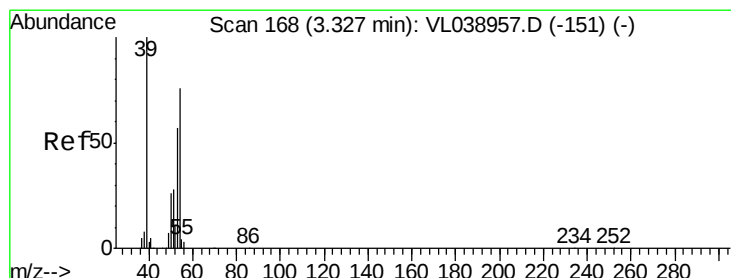
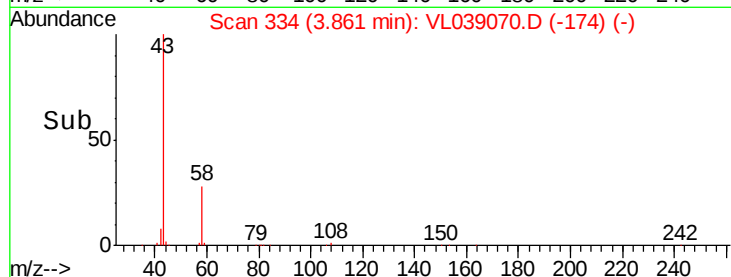
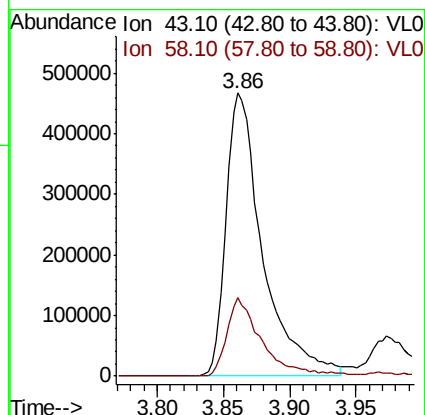
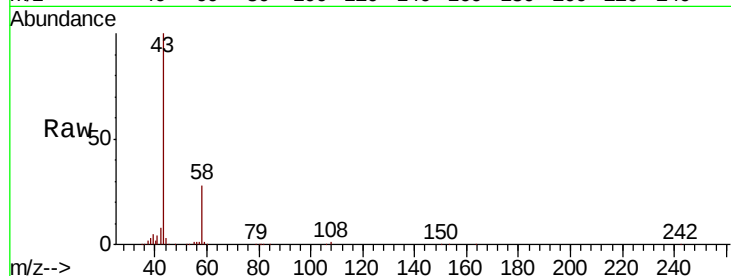
Acq: 17 May 2022 15:00

Tot Ion: 43 Resp: 897751

Ion Ratio Lower Upper

43 100

58 26.5 21.3 31.9



#16

1,3-Butadiene

Concen: 10.079 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.02 min

Lab File: VL039070.D

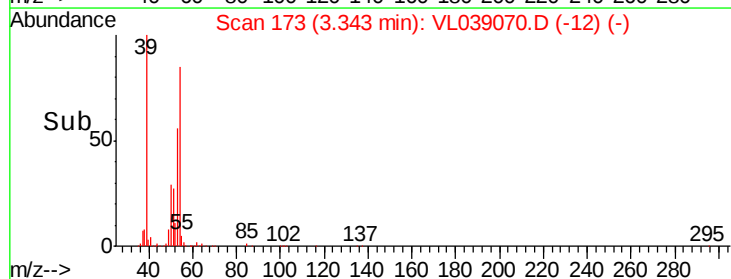
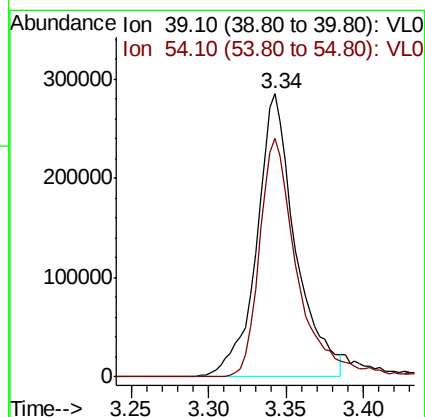
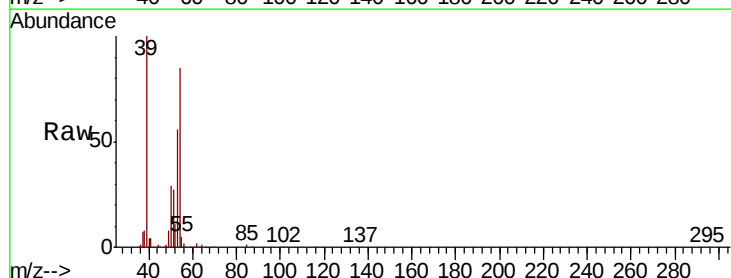
Acq: 17 May 2022 15:06

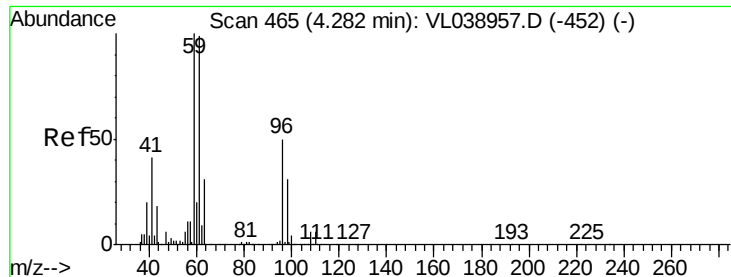
Tgt Ion: 39 Resp: 497517

Ion Ratio Lower Upper

39 100

54 83.6 65.2 97.8





#17

tert-Butyl alcohol

Concen: 11.959 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: VL0517ABS01 ClientSampleId:

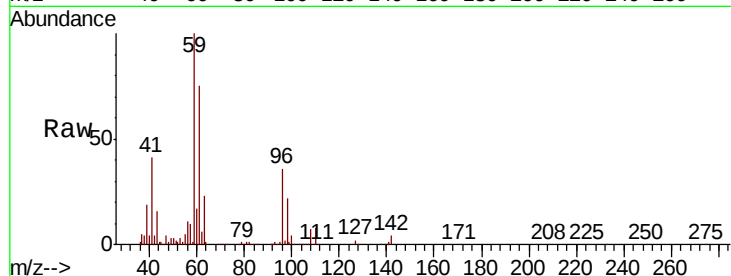
Acq: 17 May 2022 15:00

Tot Ion: 59 Resp: 789633

Ion Ratio Lower Upper

59 100

57 10.8 9.2 13.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

400000

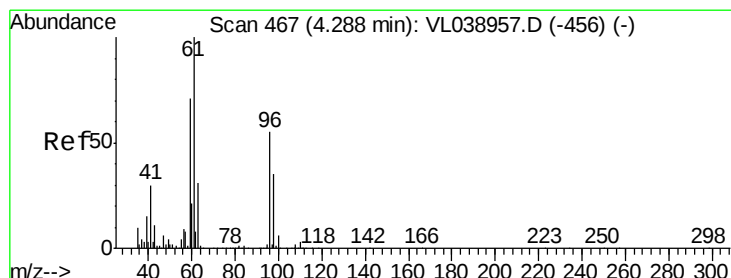
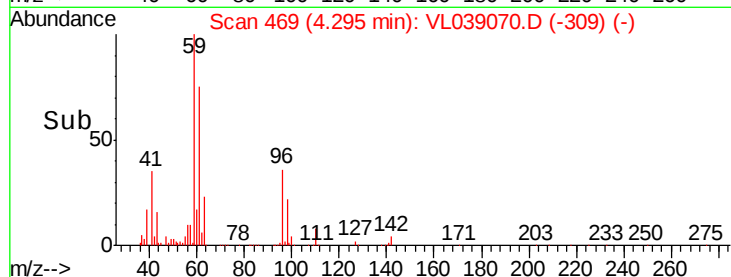
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 11.216 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.02 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

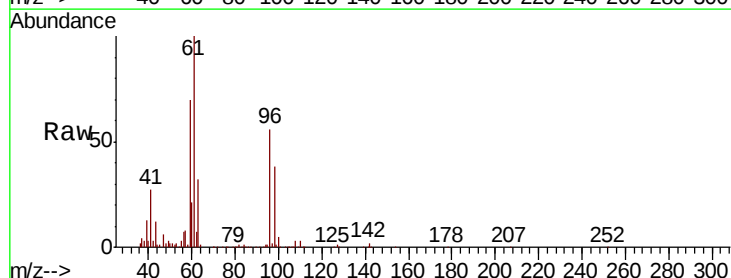
Tgt Ion: 96 Resp: 407137

Ion Ratio Lower Upper

96 100

61 179.7 146.3 219.5

98 67.4 50.6 75.8



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

500000

400000

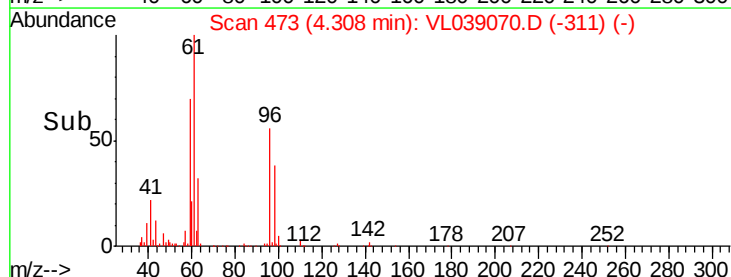
300000

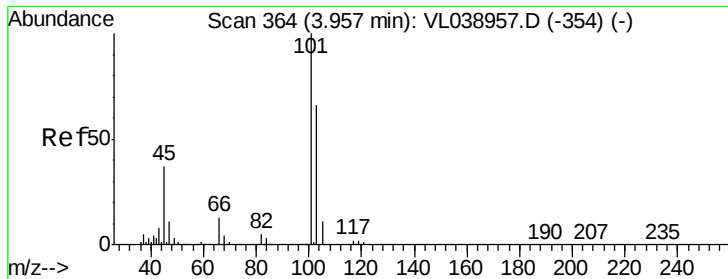
200000

100000

0

Time--> 4.25 4.30 4.35 4.40





#19

Isopropyl Alcohol

Concen: 11.388 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

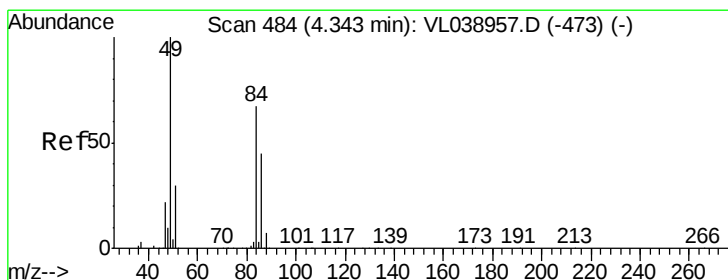
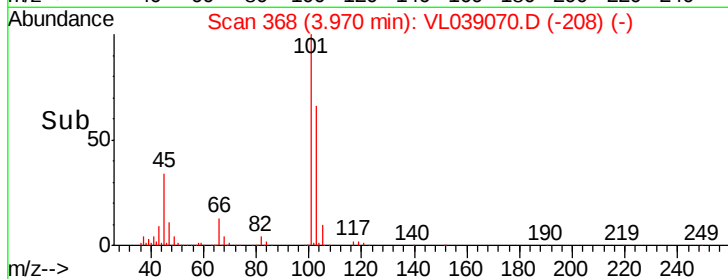
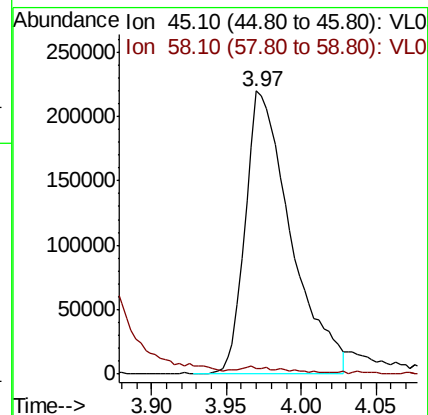
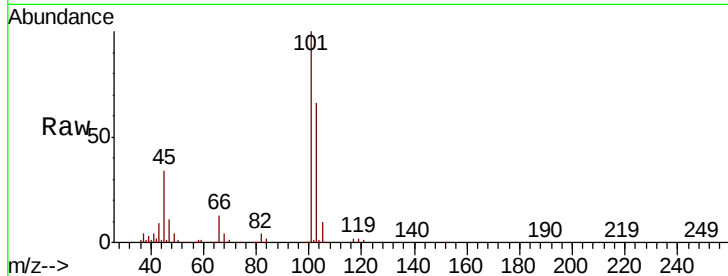
Acq: 17 May 2022 15:00

Tot Ion: 45 Resp: 465194

Ion Ratio Lower Upper

45 100

58 1.8 1.4 2.2



#20

Methylene Chloride

Concen: 10.355 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.02 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

Tgt Ion: 84 Resp: 335299

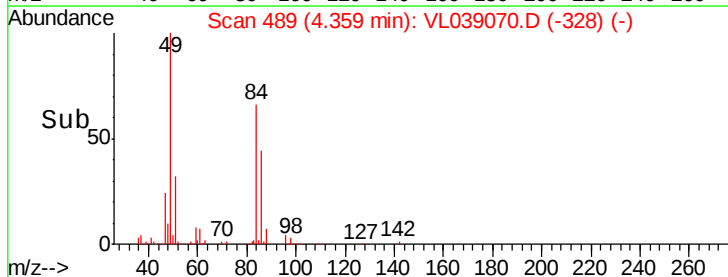
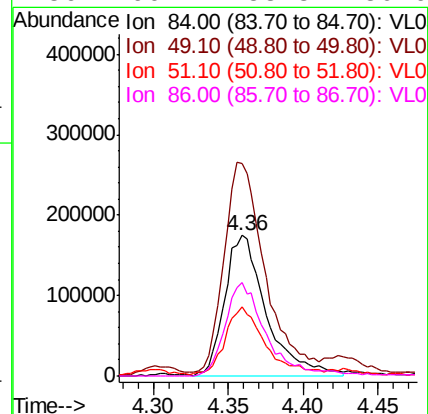
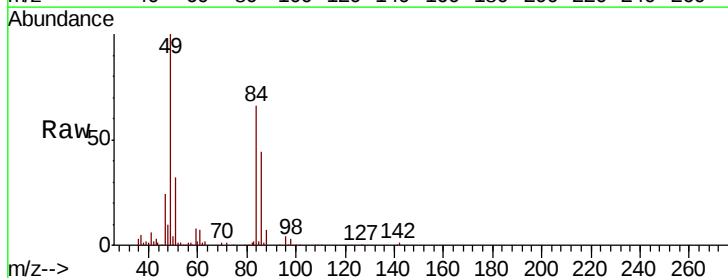
Ion Ratio Lower Upper

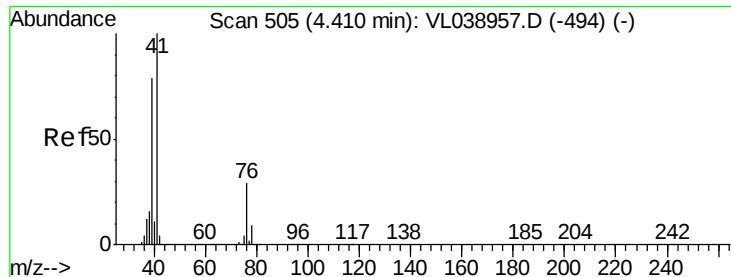
84 100

49 149.1 119.9 179.9

51 47.3 35.7 53.5

86 66.1 53.8 80.6





#21

Allvl Chloride

Concen: 10.488 ppbv

RT: 4.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 May 2022 15:00

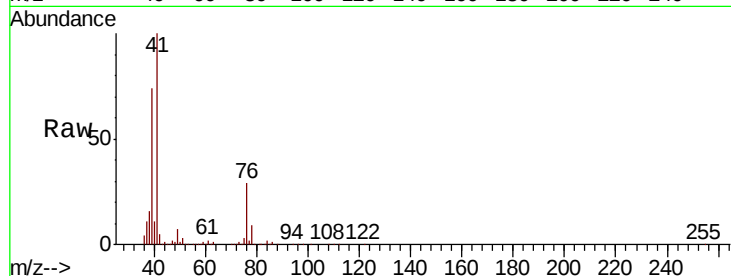
Tot Ion: 41 Resp: 613988

Ion Ratio Lower Upper

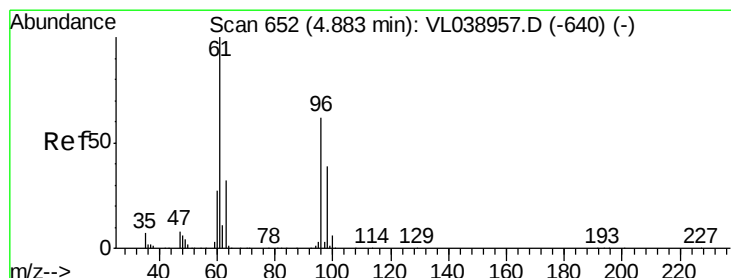
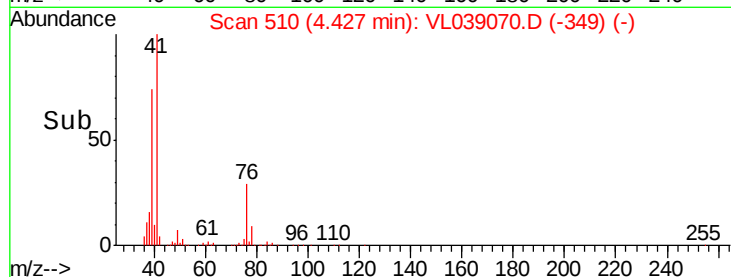
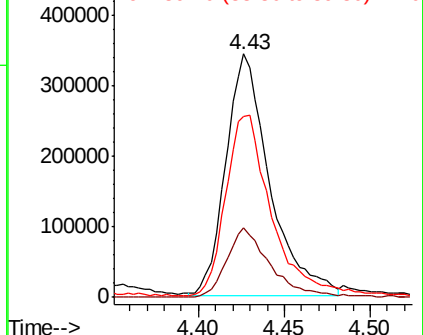
41 100

76 28.7 24.2 36.4

39 78.8 63.8 95.8



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: 10.727 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.02 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

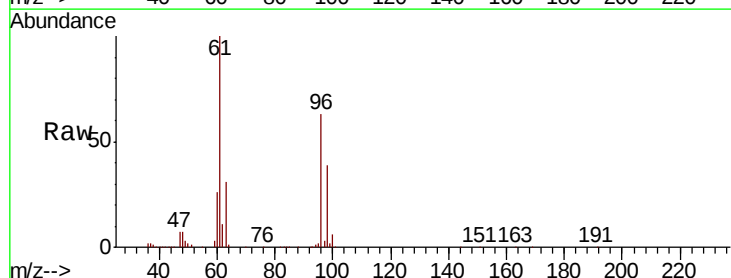
Tgt Ion: 96 Resp: 420621

Ion Ratio Lower Upper

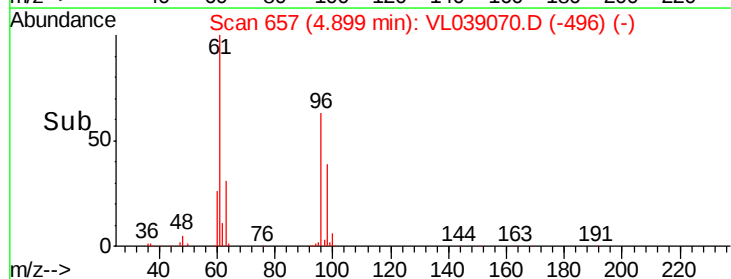
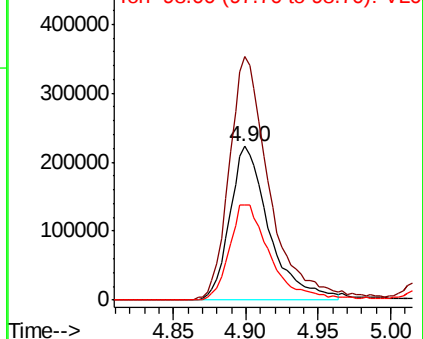
96 100

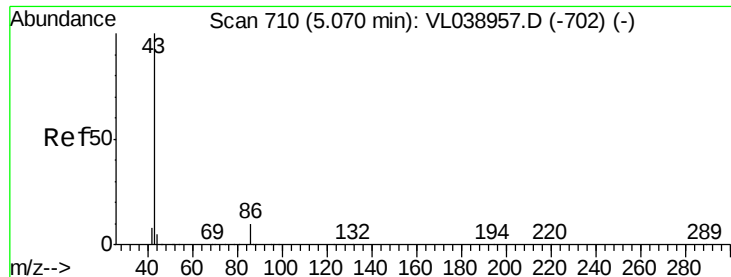
61 158.7 128.2 192.2

98 61.6 50.1 75.1



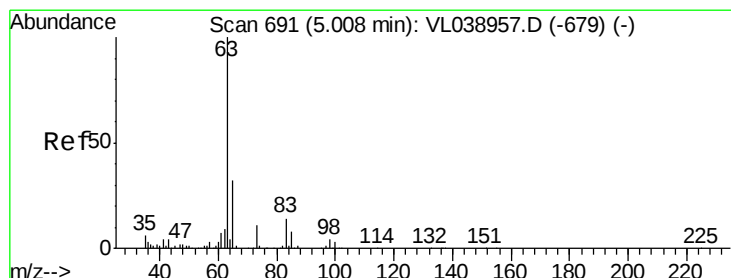
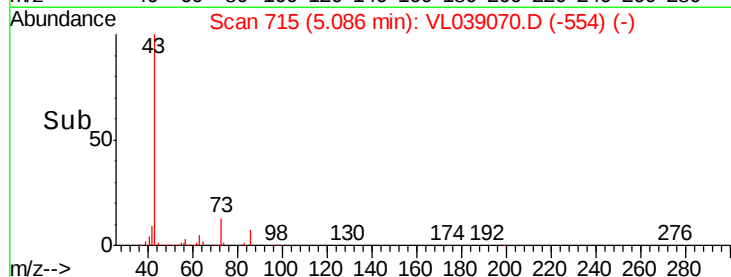
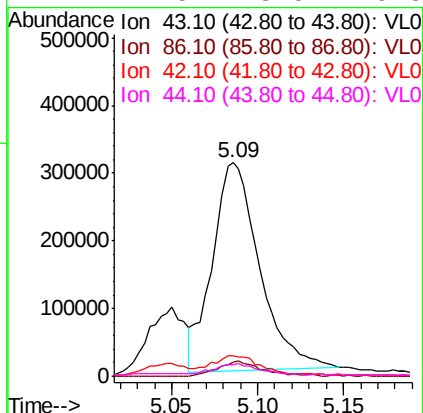
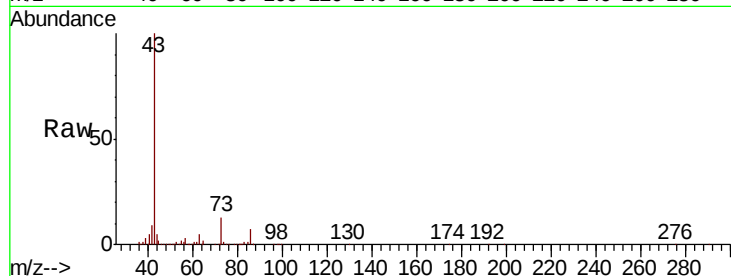
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





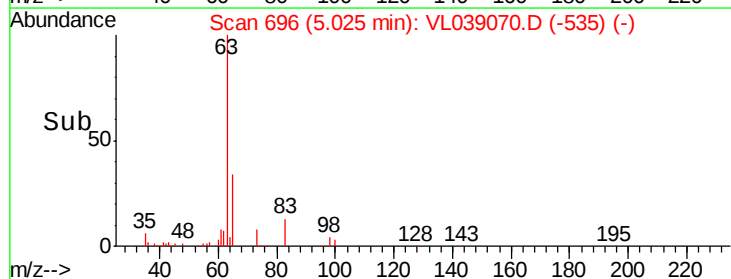
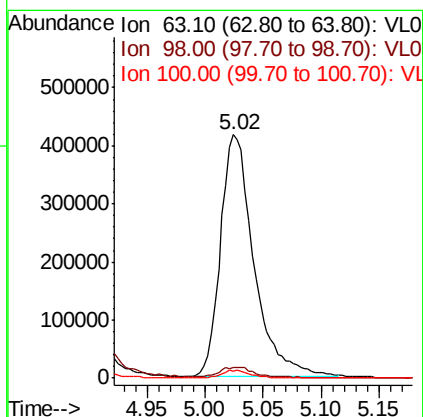
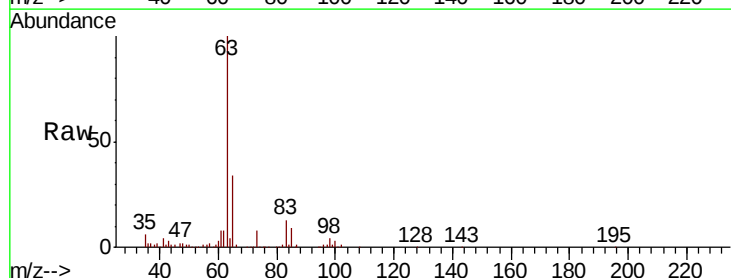
#23
 Vinyl Acetate
 Concen: 8.710 ppbv
 RT: 5.09
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0517ABS01
 Acq: 17 May 2022 15:06

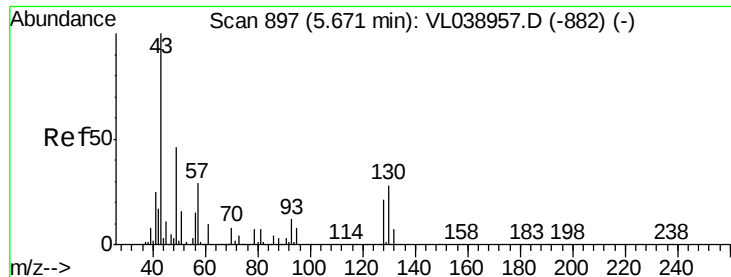
Tot Ion:	43	Resp:	592075
Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.6	9.8
42	9.2	8.1	12.1
44	4.5	3.5	5.3



#24
 1,1-Dichloroethane
 Concen: 10.618 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T. 0.02 min
 Lab File: VL039070.D
 Acq: 17 May 2022 15:06

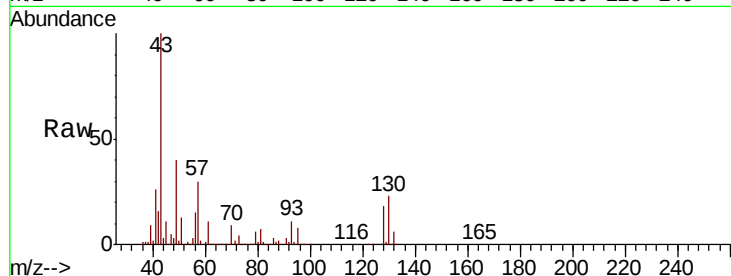
Tgt Ion:	63	Resp:	831101
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.2
100	2.8	1.4	4.2



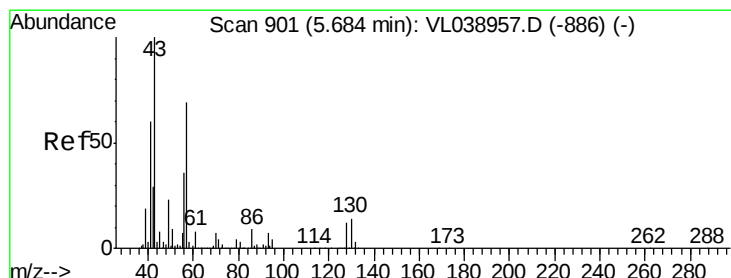
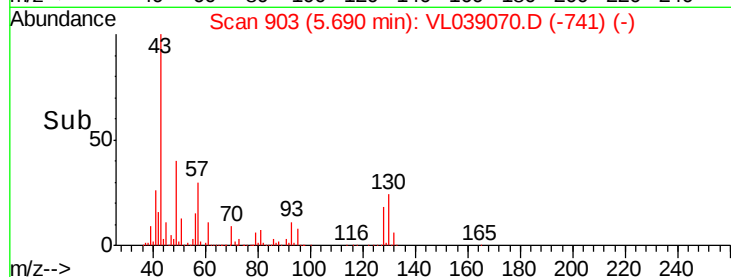
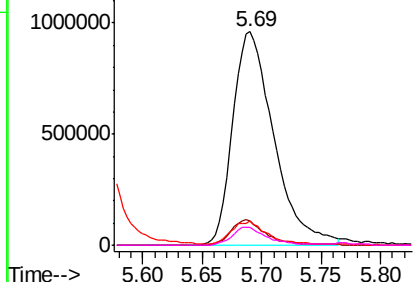


#25
Ethyl Acetate
Concen: 11.165 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0517ABS01
Acq: 17 May 2022 15:00

Tot Ion:	43	Resp:	2295836
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.1	12.1
61	10.0	7.8	11.6
70	7.2	5.6	8.4

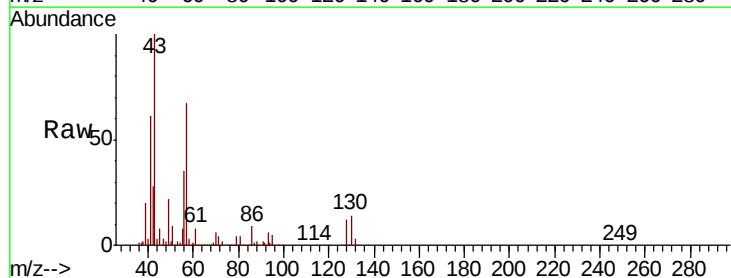


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

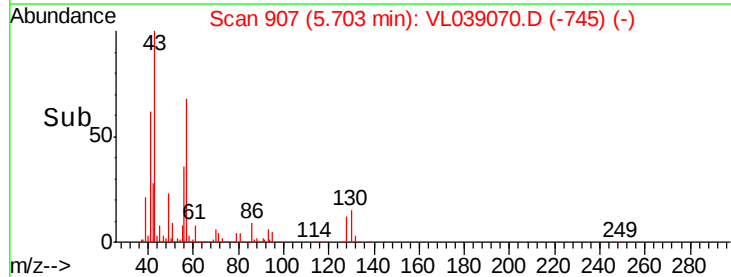
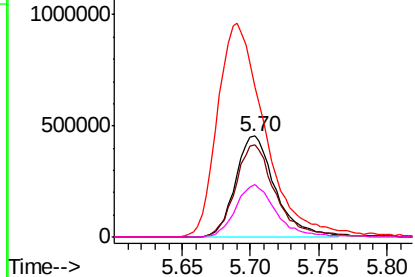


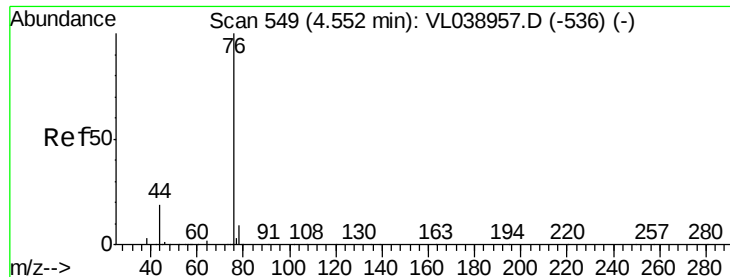
#26
Hexane
Concen: 10.118 ppbv
RT: 5.70 min Scan# 907
Delta R.T.: 0.02 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion:	57	Resp:	924394
Ion	Ratio	Lower	Upper
57	100		
41	93.6	75.2	112.8
43	254.7	190.8	286.2
56	53.4	43.0	64.6



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: 10.942 ppbv

RT: 4.57 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 17 May 2022 15:00

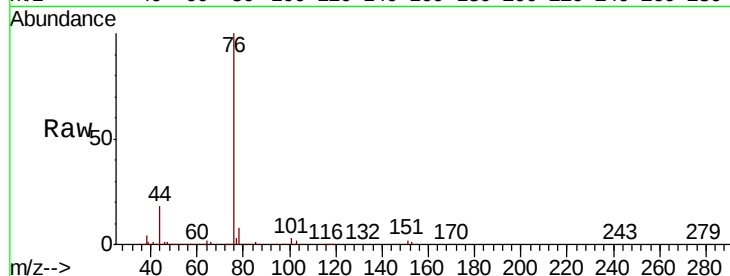
Tot Ion: 76 Resp: 949682

Ion Ratio Lower Upper

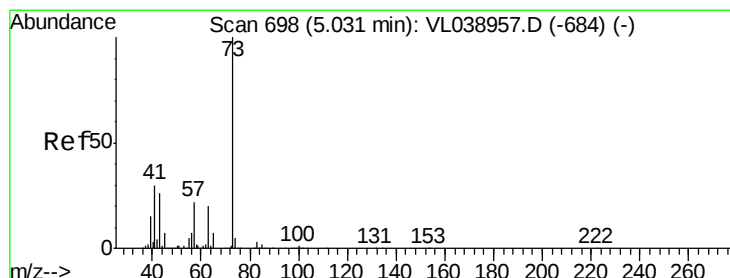
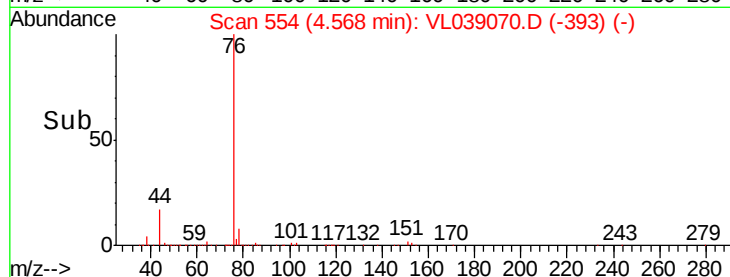
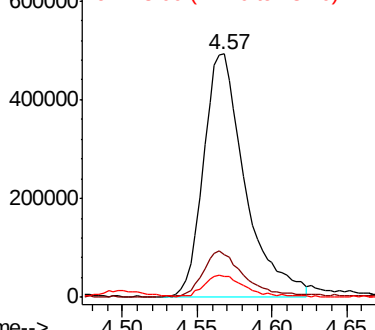
76 100

44 19.4 15.3 22.9

78 9.3 8.2 12.2



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: 11.029 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL039070.D

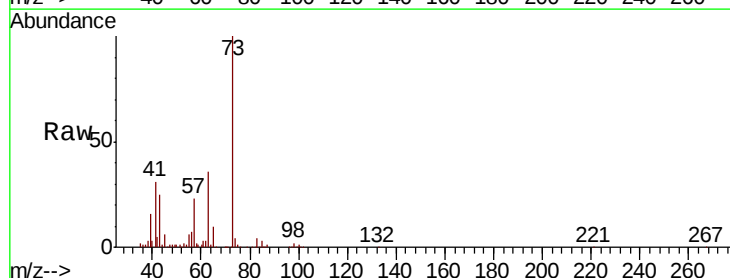
Acq: 17 May 2022 15:06

Tgt Ion: 73 Resp: 766644

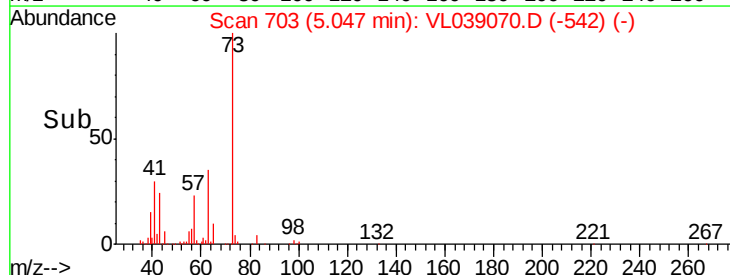
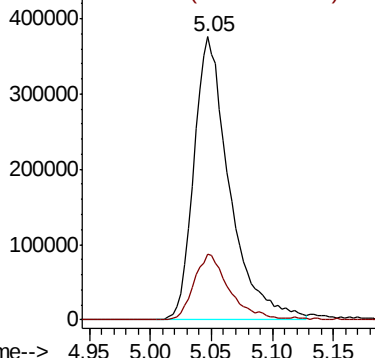
Ion Ratio Lower Upper

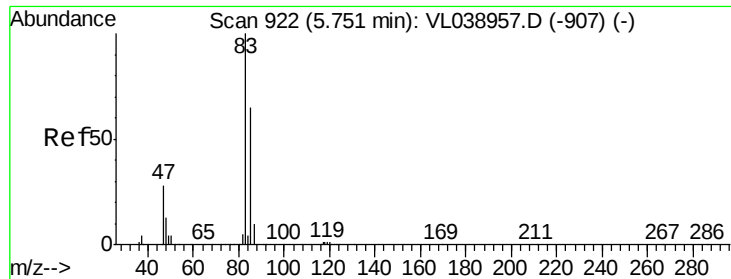
73 100

57 23.8 18.8 28.2



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





#29

Chloroform

Concen: 10.497 ppbv

RT: 5.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

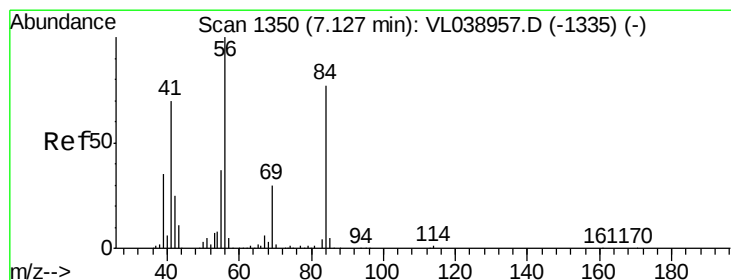
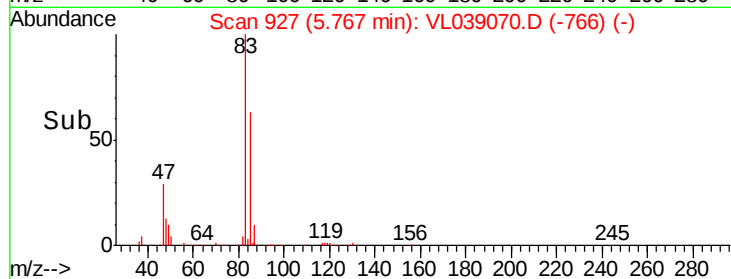
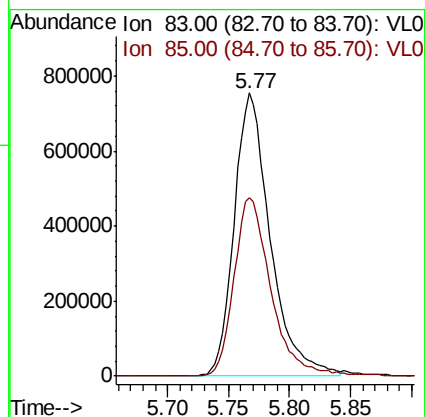
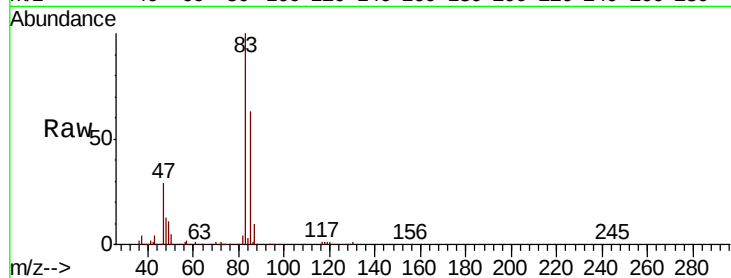
Acq: 17 May 2022 15:00

Tot Ion: 83 Resp: 1551654

Ion Ratio Lower Upper

83 100

85 63.0 51.8 77.6



#30

Cyclohexane

Concen: 9.636 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.02 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

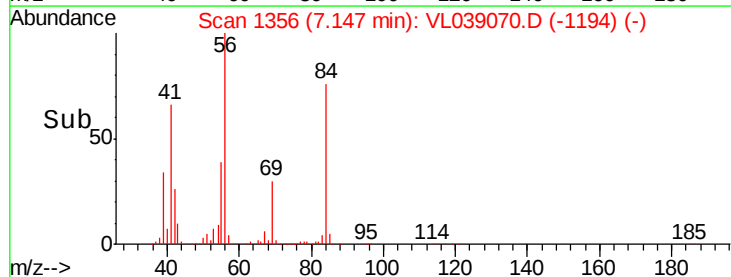
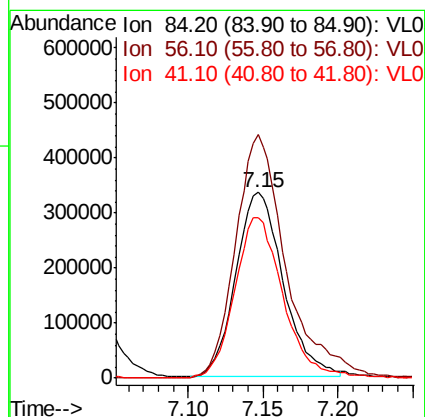
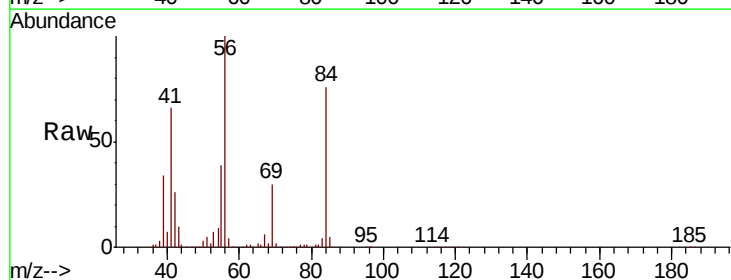
Tgt Ion: 84 Resp: 737069

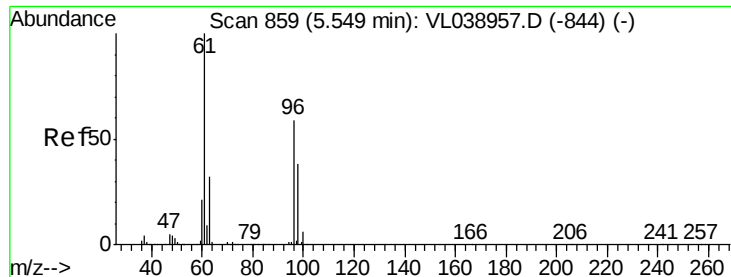
Ion Ratio Lower Upper

84 100

56 142.5 115.3 172.9

41 89.9 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 10.245 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 17 May 2022 15:00 VL0517ABS01

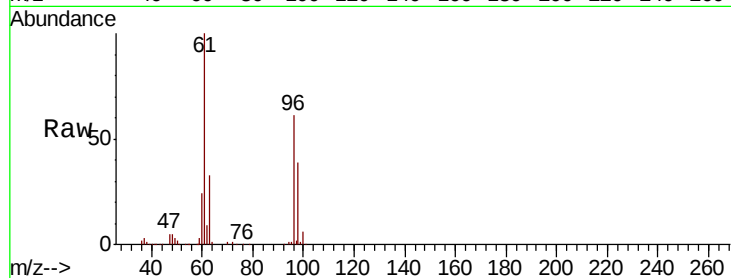
Tot Ion: 61 Resp: 953608

Ion Ratio Lower Upper

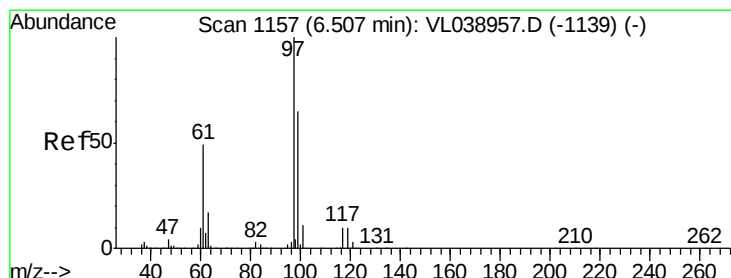
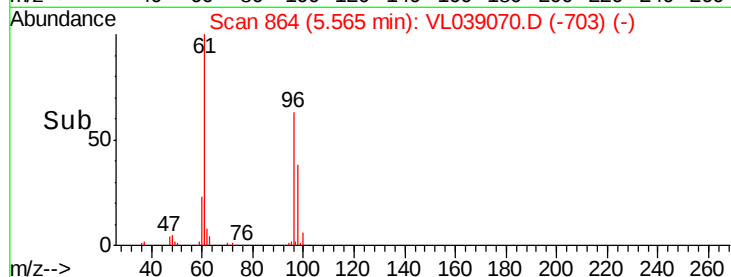
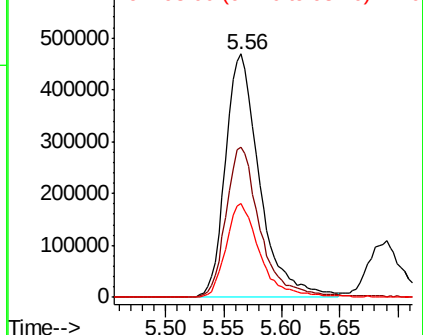
61 100

96 61.4 47.4 71.0

98 38.7 30.6 45.8



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: 10.720 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

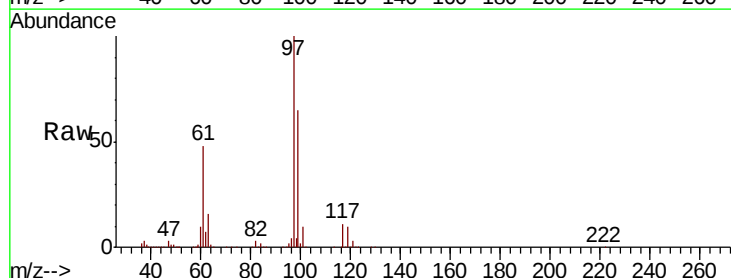
Tgt Ion: 97 Resp: 1584386

Ion Ratio Lower Upper

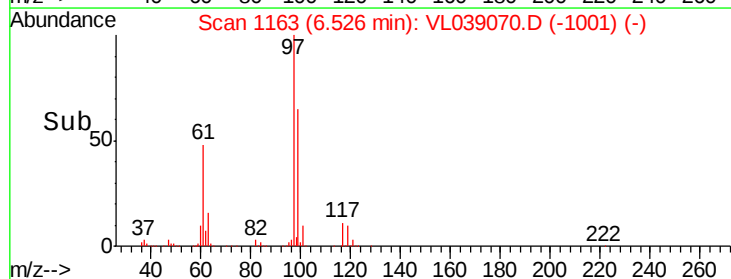
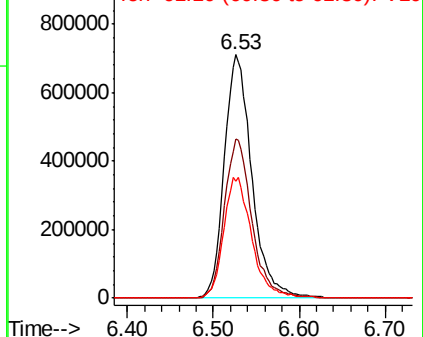
97 100

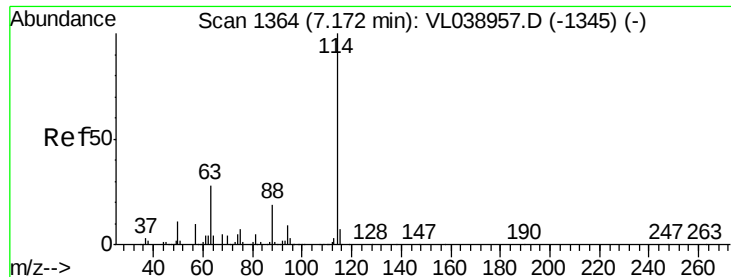
99 65.1 51.9 77.9

61 50.5 40.9 61.3



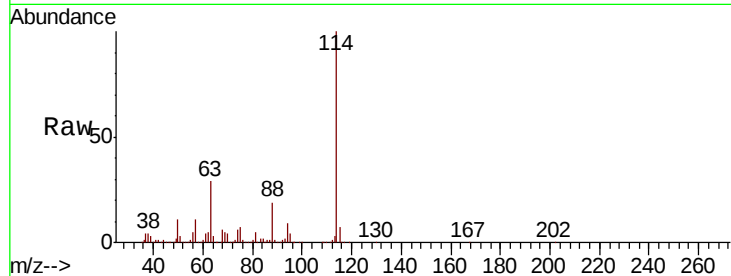
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



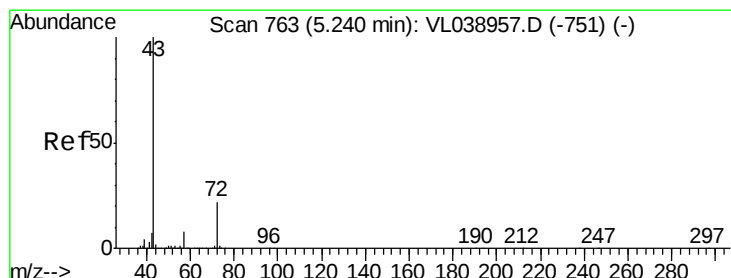
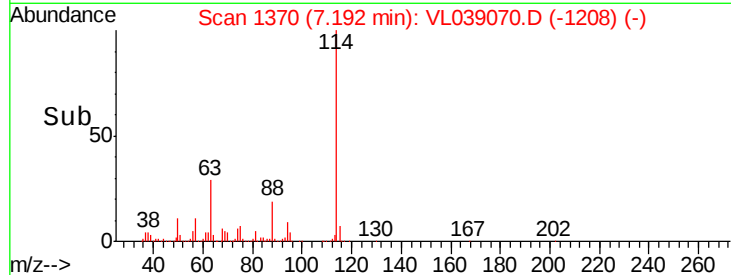
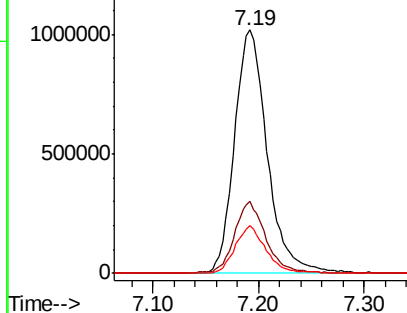


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VL0517ABS01
 Acq: 17 May 2022 15:00

Tot Ion:114 Resp: 2187753
 Ion Ratio Lower Upper
 114 100
 63 28.7 22.6 33.8
 88 18.6 15.4 23.0

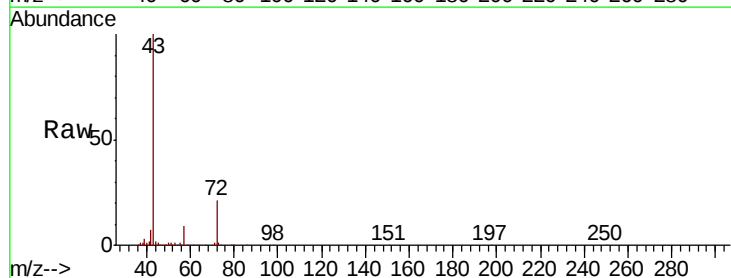


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

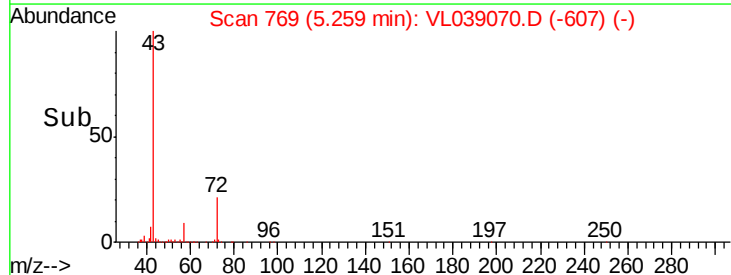
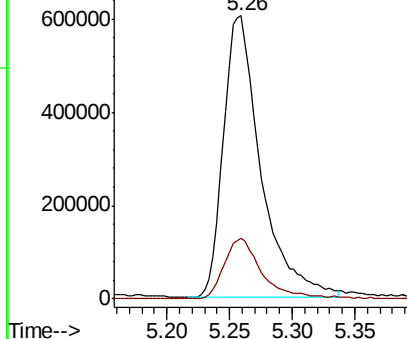


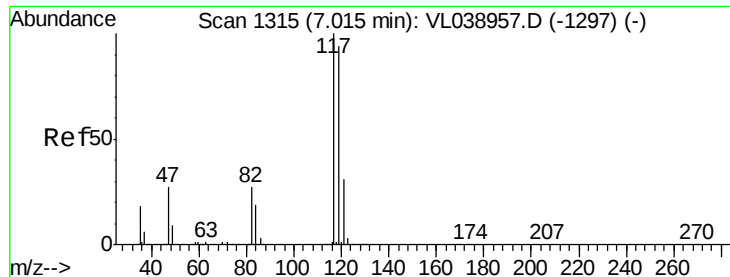
#34
 2-Butanone
 Concen: 11.218 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T.: 0.02 min
 Lab File: VL039070.D
 Acq: 17 May 2022 15:06

Tgt Ion: 43 Resp: 1252068
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

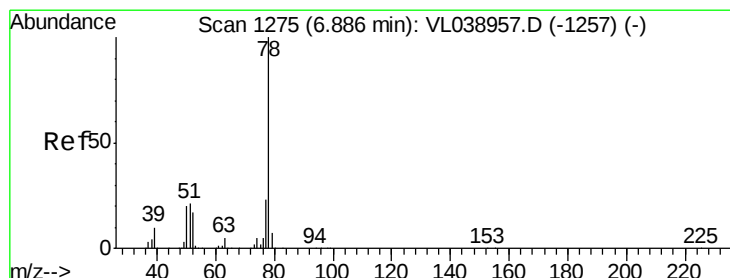
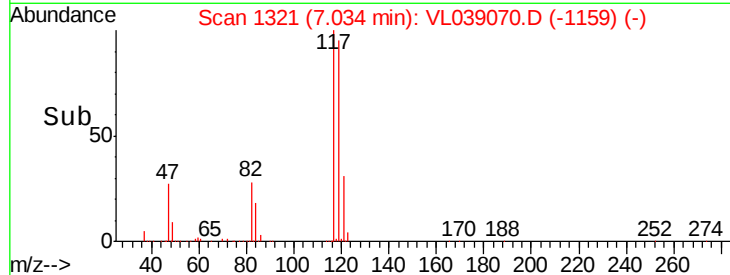
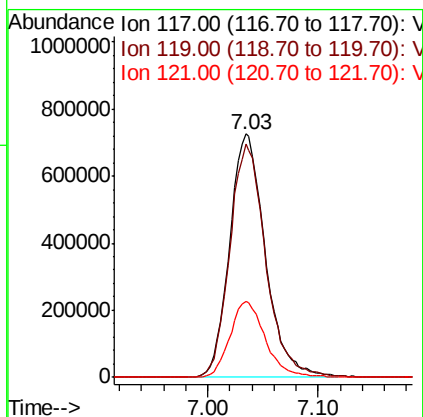
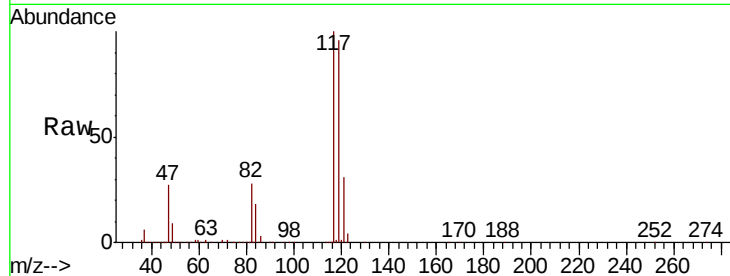




#35
Carbon Tetrachloride
Concen: 11.300 ppbv
RT: 7.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0517ABS01
Acq: 17 May 2022 15:00

Tot Ion:117 Resp: 1628916

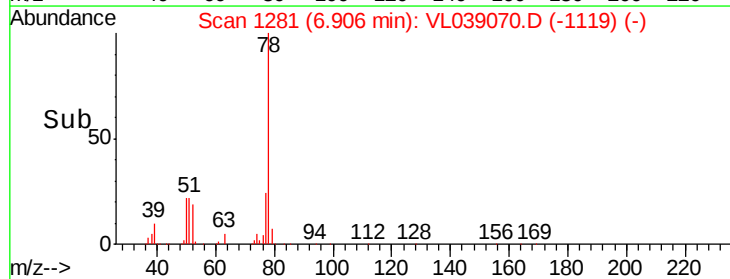
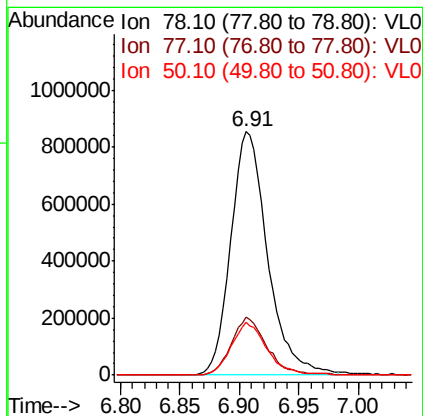
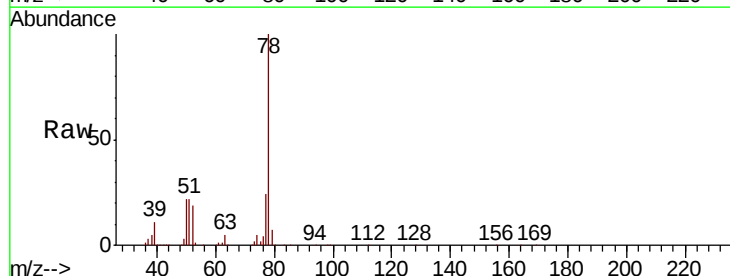
Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.2	112.8
121	31.3	24.6	37.0

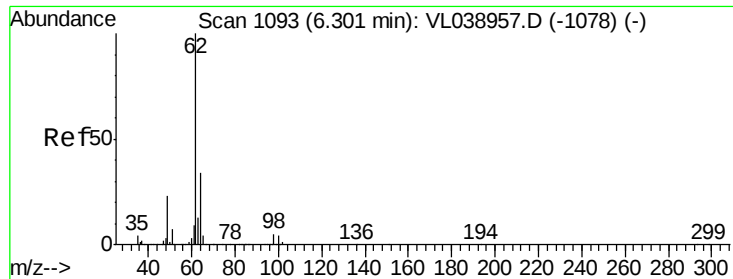


#36
Benzene
Concen: 9.759 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.02 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion: 78 Resp: 1827198

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0
50	21.9	15.6	23.4





#37

1,2-Dichloroethane

Concen: 10.810 ppbv

RT: 6.32 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

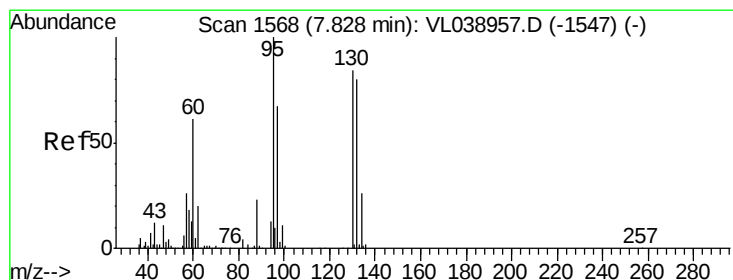
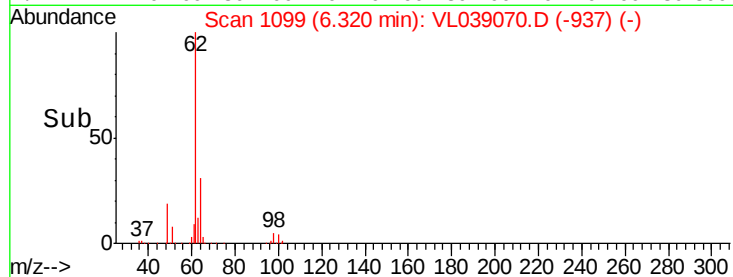
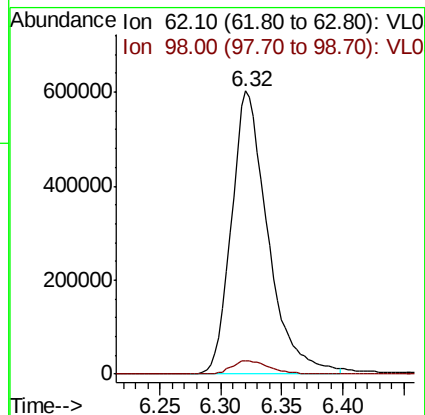
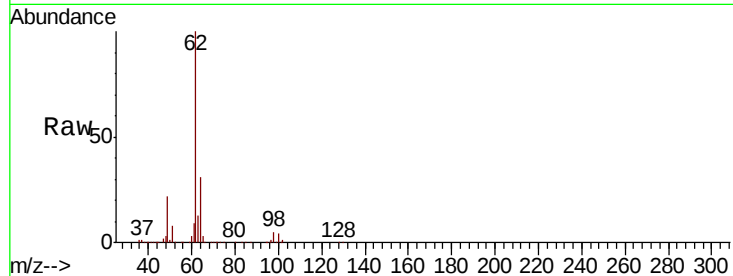
Acq: 17 May 2022 15:00

Tot Ion: 62 Resp: 1252189

Ion Ratio Lower Upper

62 100

98 5.0 4.5 6.7



#38

Trichloroethene

Concen: 8.540 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

Tgt Ion: 130 Resp: 710757

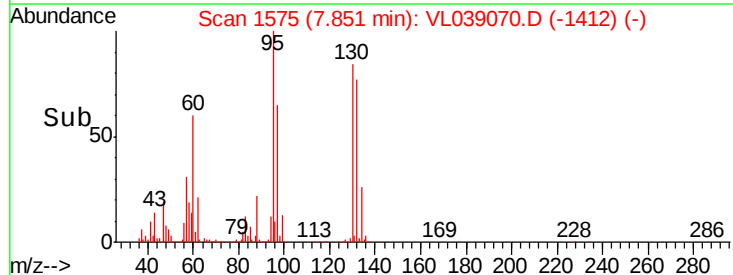
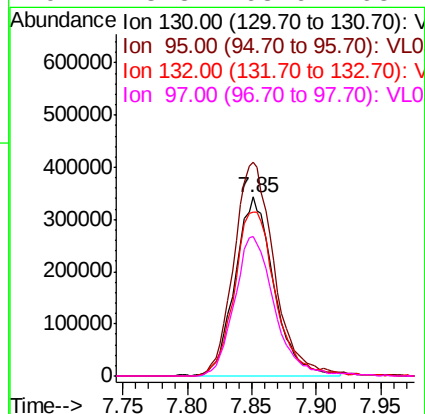
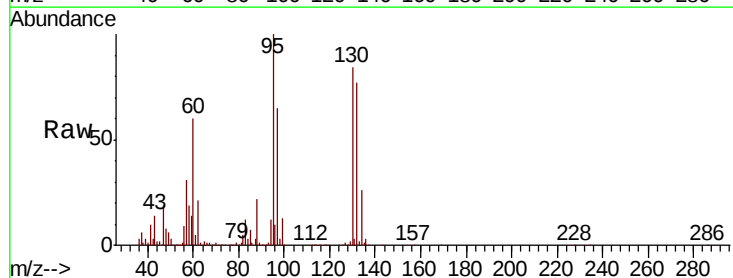
Ion Ratio Lower Upper

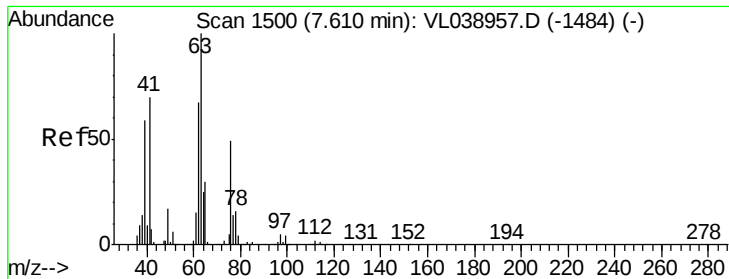
130 100

95 119.8 94.8 142.2

132 92.2 75.8 113.8

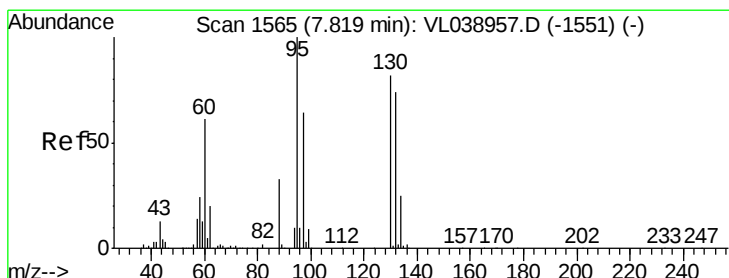
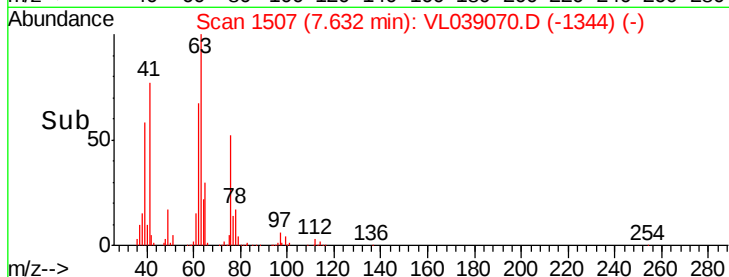
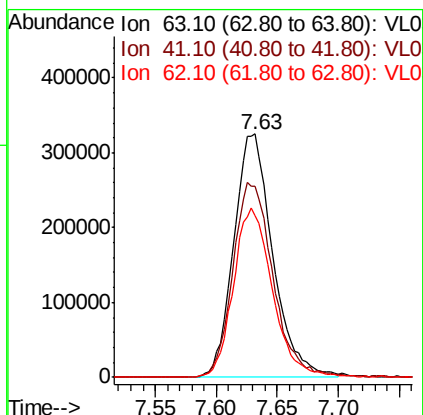
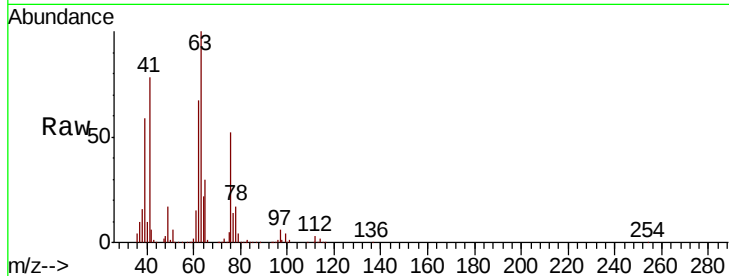
97 78.3 63.6 95.4





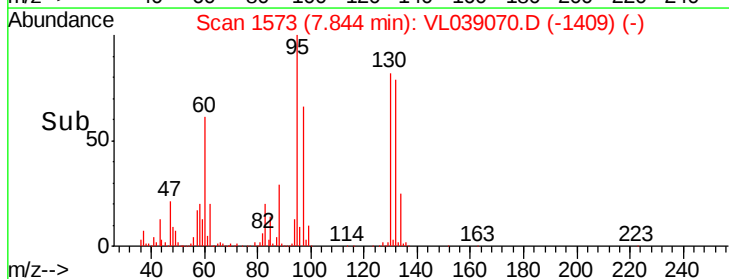
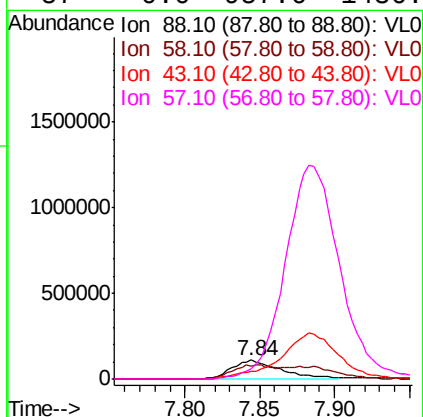
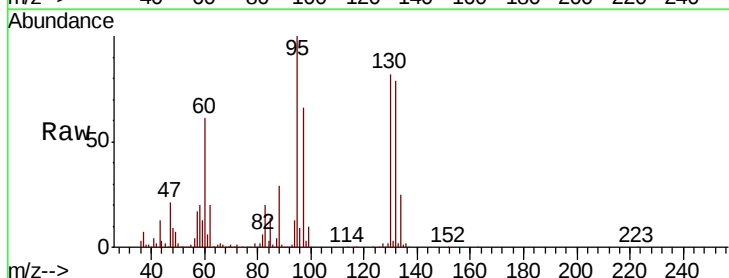
#39
 1,2-Dichloropropane
 Concen: 9.901 ppbv
 RT: 7.63
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0517ABS01
 Acq: 17 May 2022 15:00

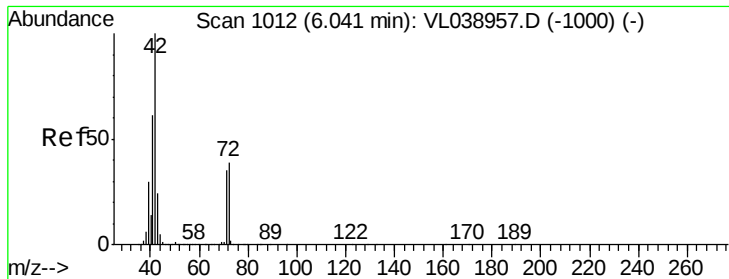
Tot Ion:	63	Resp:	721306
Ion	Ratio	Lower	Upper
63	100		
41	78.2	55.9	83.9
62	66.6	53.8	80.6



#40
 1,4-Dioxane
 Concen: 9.317 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL039070.D
 Acq: 17 May 2022 15:06

Tgt Ion:	88	Resp:	243782
Ion	Ratio	Lower	Upper
88	100		
58	139.3	106.1	159.1
43	0.0	222.9	334.3#
57	0.0	957.6	1436.4#





#41

Tetrahydrofuran

Concen: 9.807 ppbv

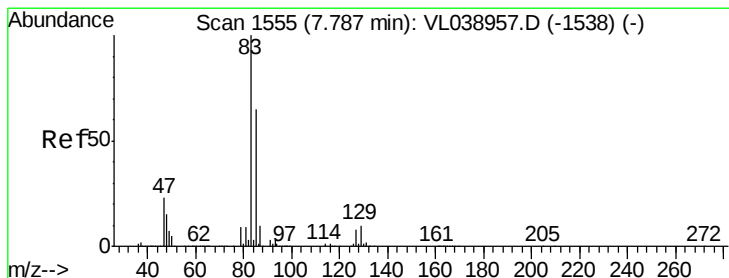
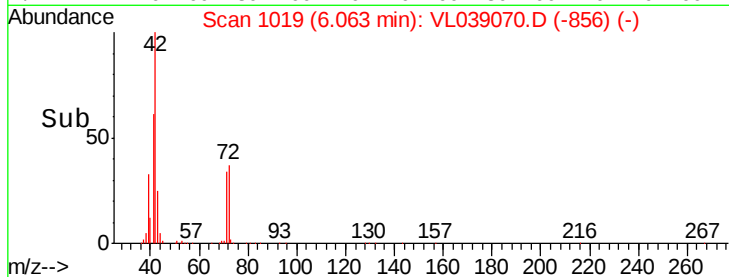
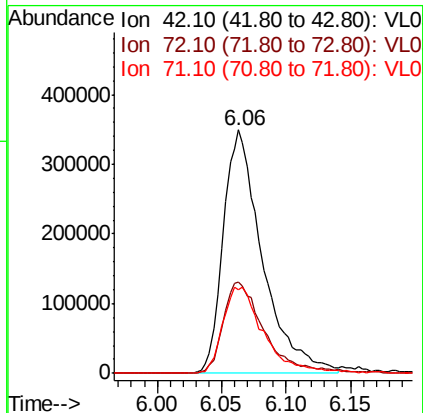
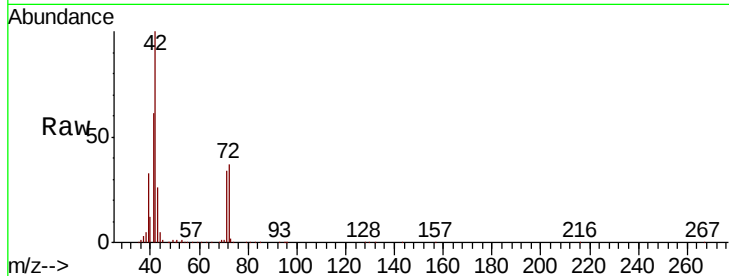
RT: 6.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 15:00

Tot Ion:	42	Resp:	735701
Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.8	47.6
71	37.8	30.6	45.8



#42

Bromodichloromethane

Concen: 10.774 ppbv

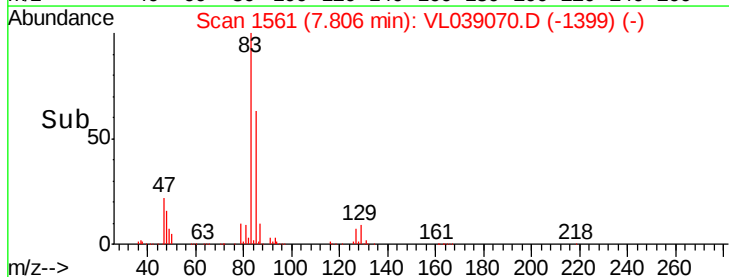
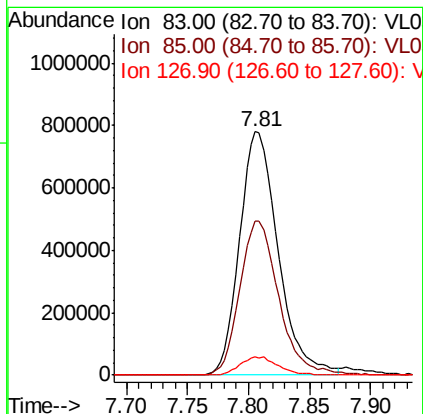
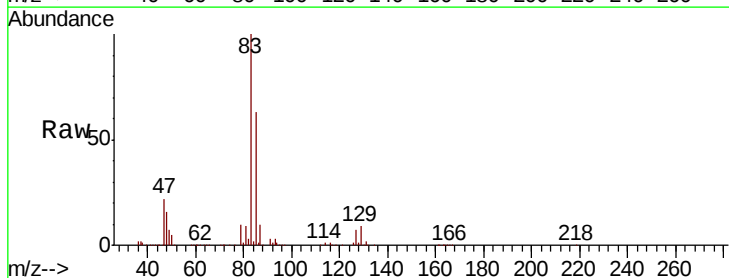
RT: 7.81 min Scan# 1561

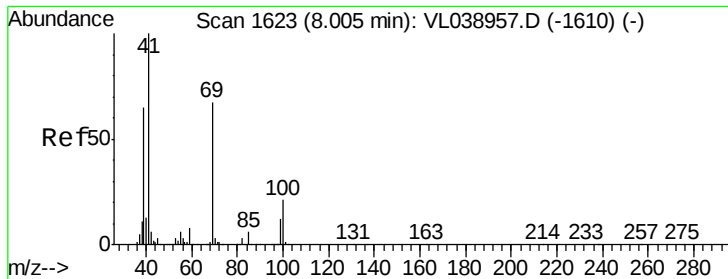
Delta R.T. 0.02 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

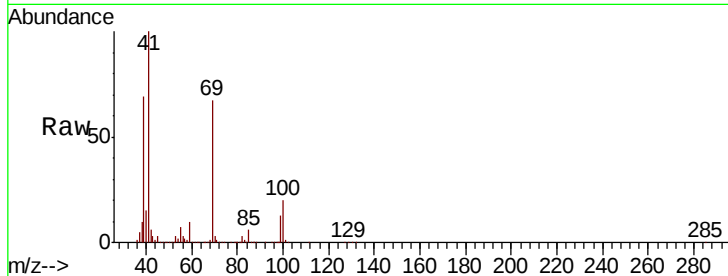
Tgt Ion:	83	Resp:	1706320
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.0	78.0
127	7.4	6.0	9.0



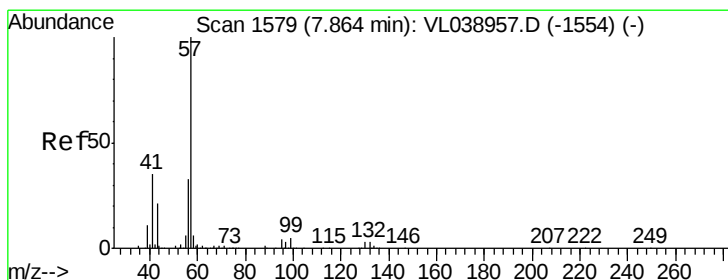
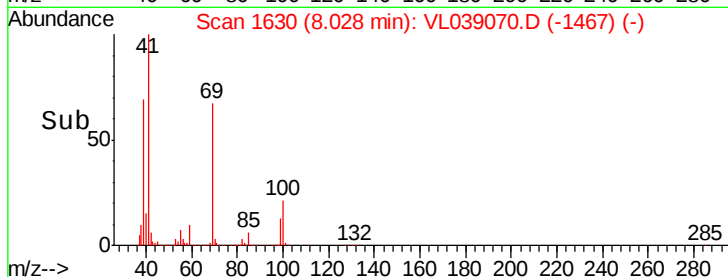
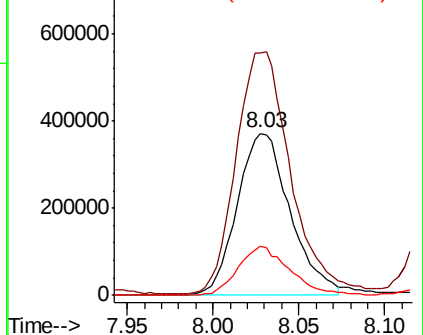


#43
Methvl Methacrvlate
Concen: 10.407 ppbv
RT: 8.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0517ABS01
Acq: 17 May 2022 15:06

Tot Ion: 69 Resp: 791023
Ion Ratio Lower Upper
69 100
41 157.1 121.9 182.9
100 29.9 24.6 36.8

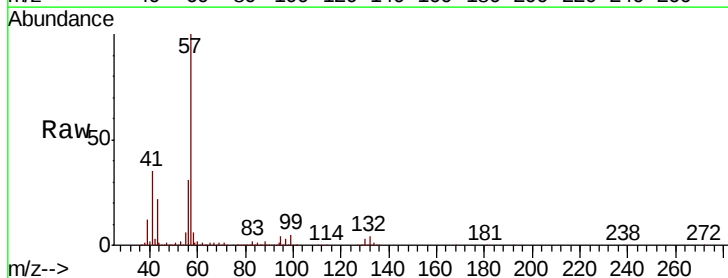


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

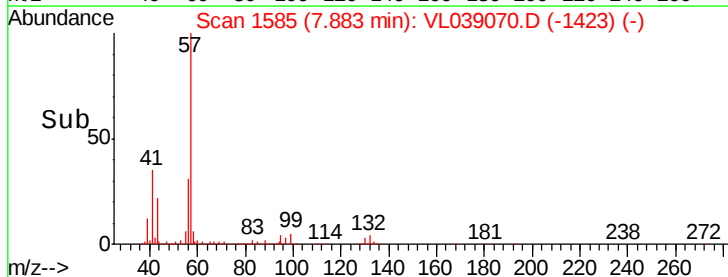
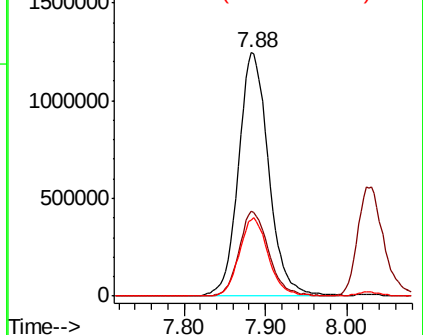


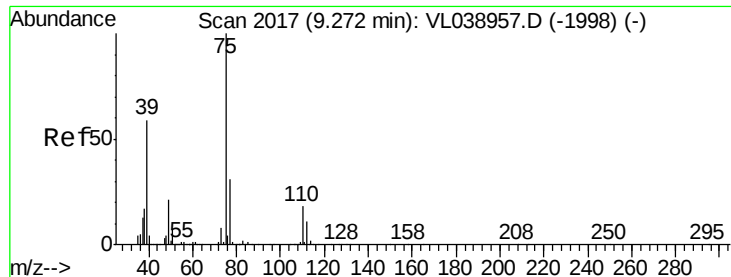
#44
2,2,4-Trimethylpentane
Concen: 9.680 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.02 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion: 57 Resp: 3179999
Ion Ratio Lower Upper
57 100
41 34.2 26.3 39.5
56 31.0 24.6 37.0



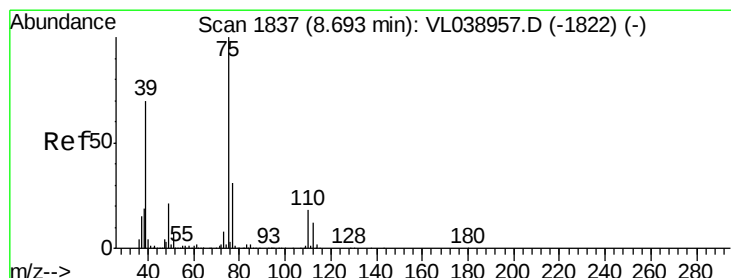
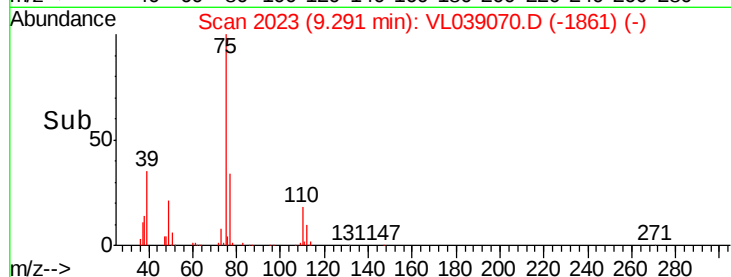
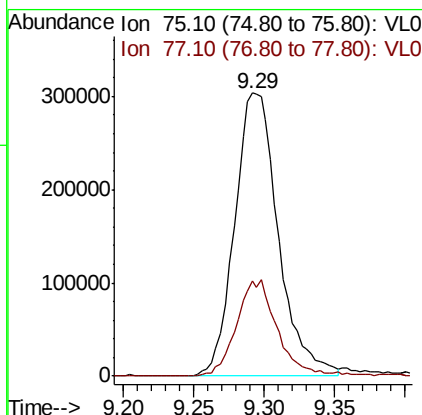
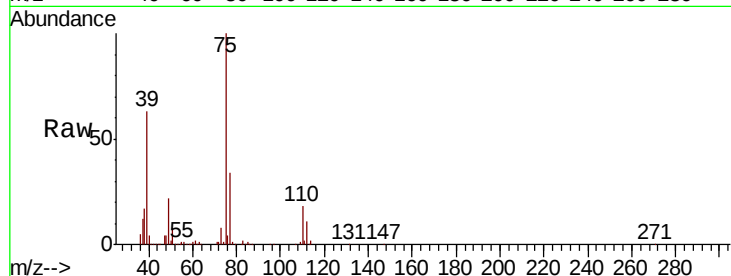
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





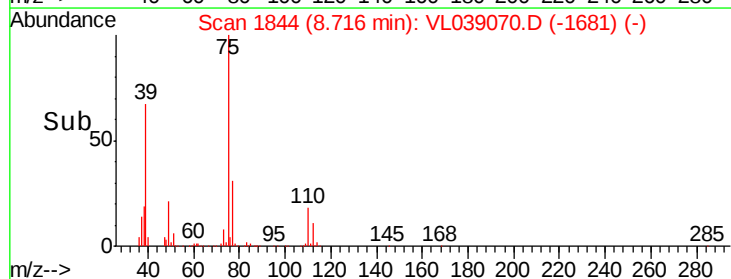
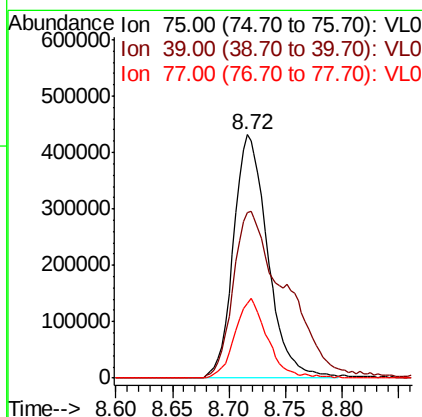
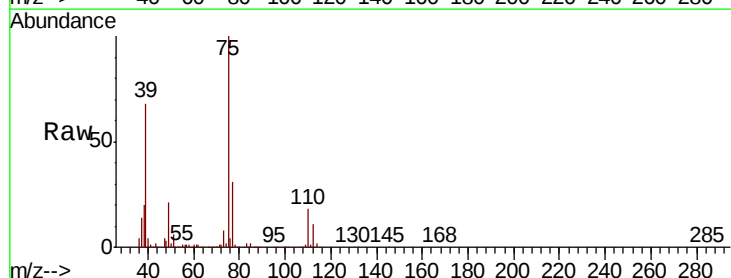
#45
t-1,3-Dichloropropene
Concen: 8.945 ppbv
RT: 9.29
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0517ABS01
Acq: 17 May 2022 15:00

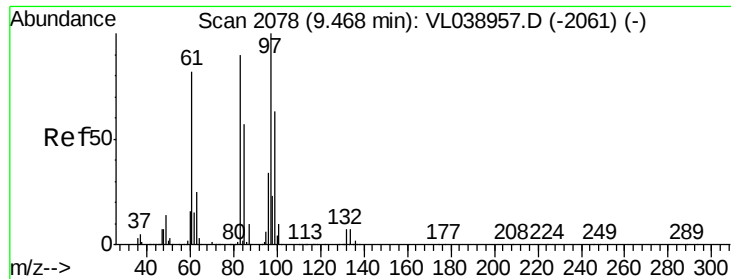
Tot Ion: 75 Resp: 658153
Ion Ratio Lower Upper
75 100
77 33.6 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 9.334 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.02 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion: 75 Resp: 910698
Ion Ratio Lower Upper
75 100
39 68.0 55.8 83.6
77 30.8 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 10.076 ppbv

RT: 9.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 15:06

Tot Ion: 97 Resp: 763401

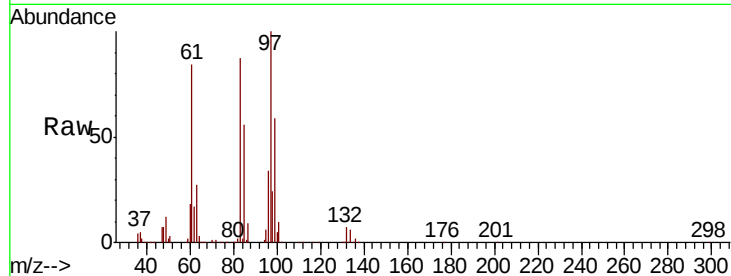
Ion Ratio Lower Upper

97 100

83 87.4 72.0 108.0

85 55.8 45.7 68.5

99 59.2 50.2 75.4

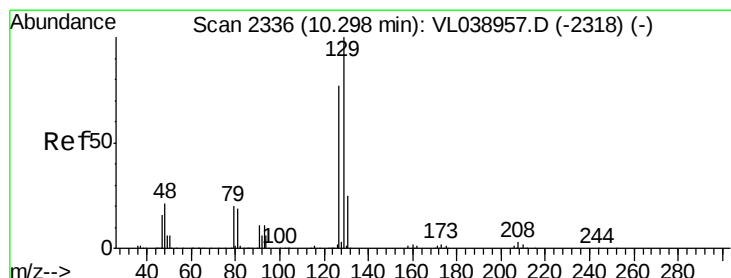
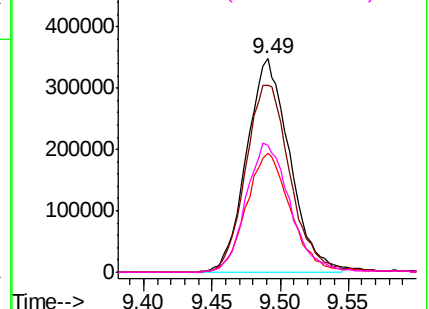
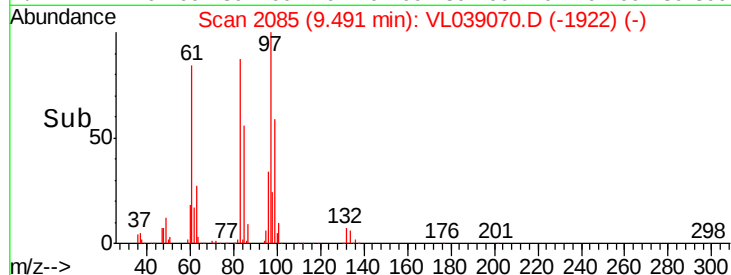


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.057 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. 0.02 min

Lab File: VL039070.D

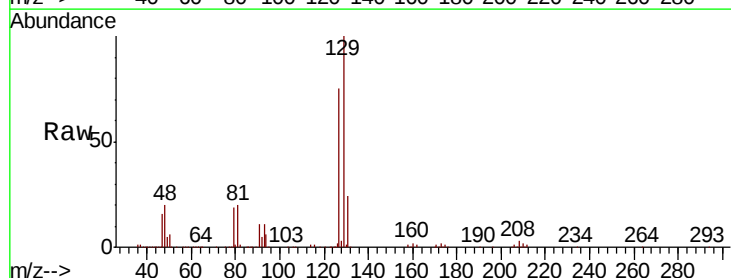
Acq: 17 May 2022 15:06

Tgt Ion: 129 Resp: 1363538

Ion Ratio Lower Upper

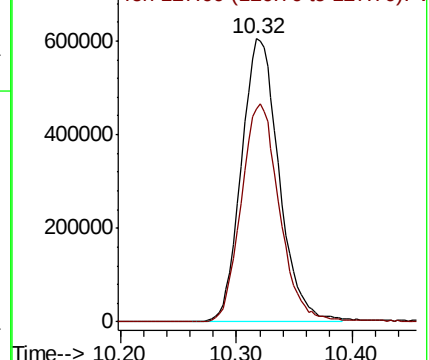
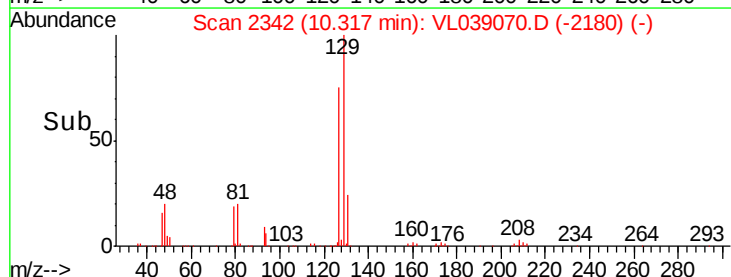
129 100

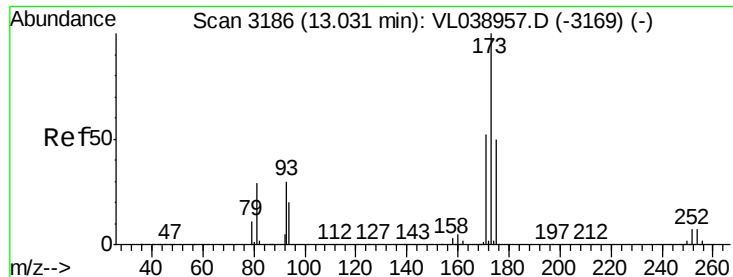
127 78.6 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.526 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 May 2022 15:00

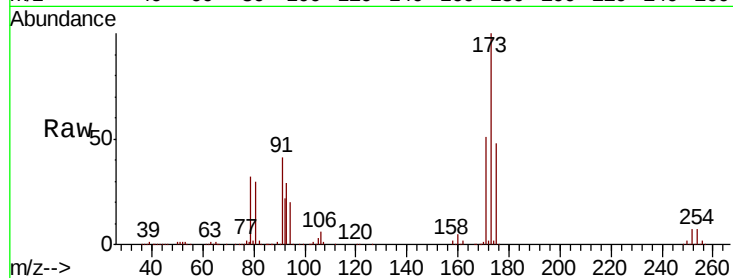
Tot Ion:173 Resp: 1083990

Ion Ratio Lower Upper

173 100

175 50.8 41.0 61.6

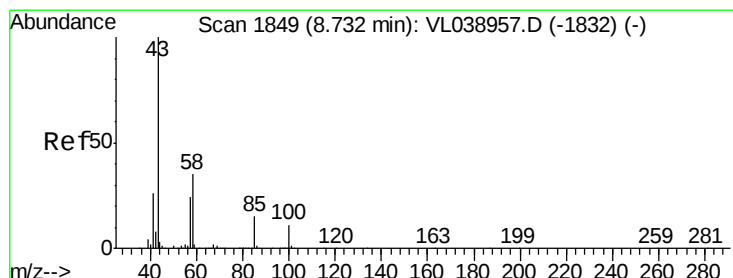
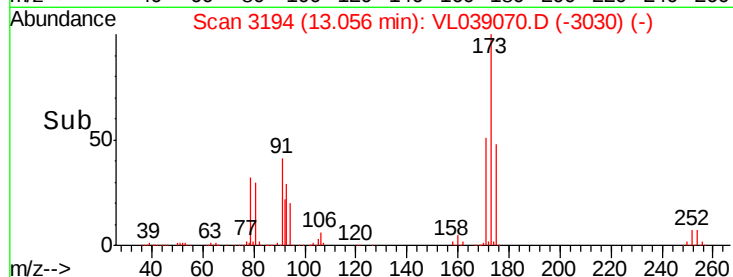
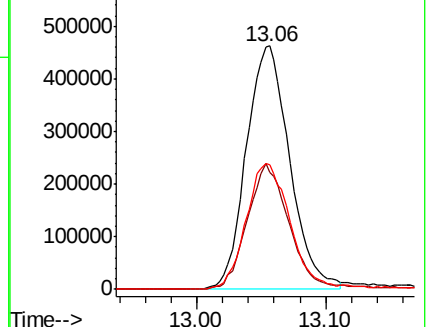
171 53.6 42.6 64.0



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: 9.821 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.02 min

Lab File: VL039070.D

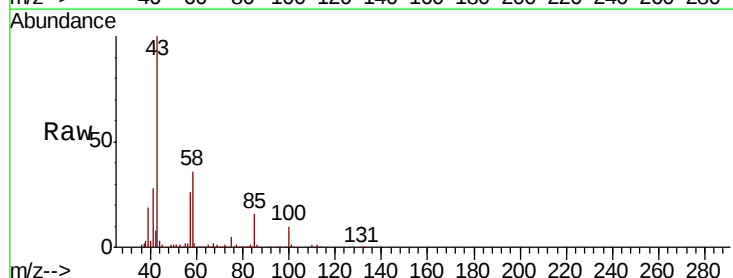
Acq: 17 May 2022 15:06

Tgt Ion: 43 Resp: 1922125

Ion Ratio Lower Upper

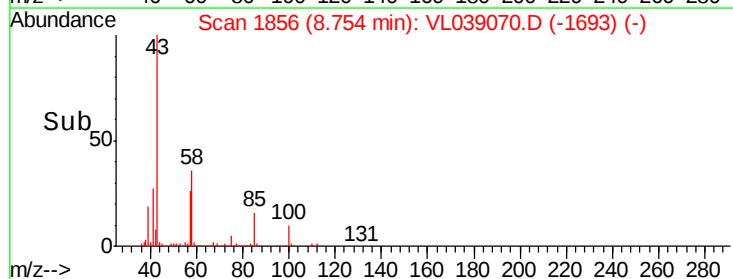
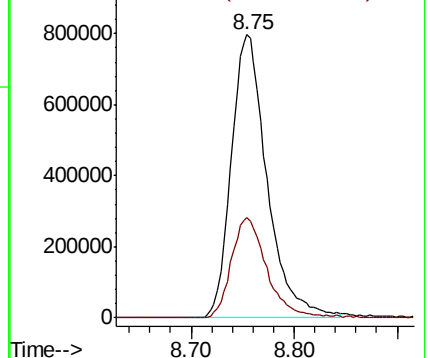
43 100

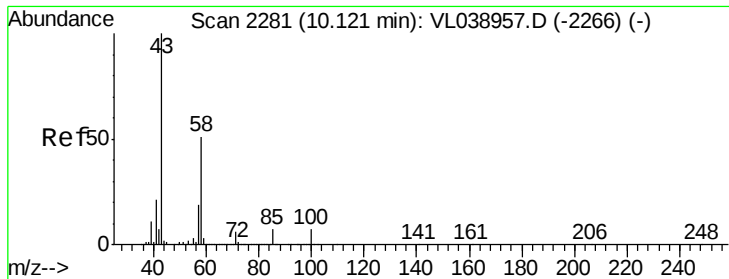
58 35.6 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.967 ppbv

RT: 10.15

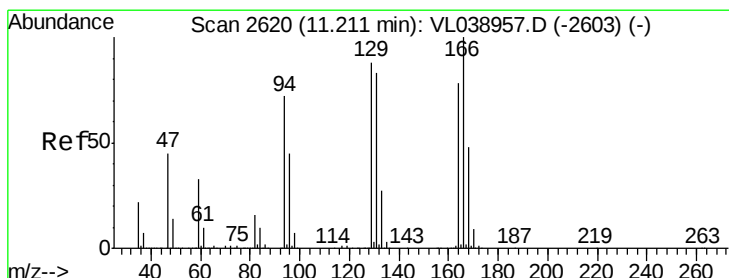
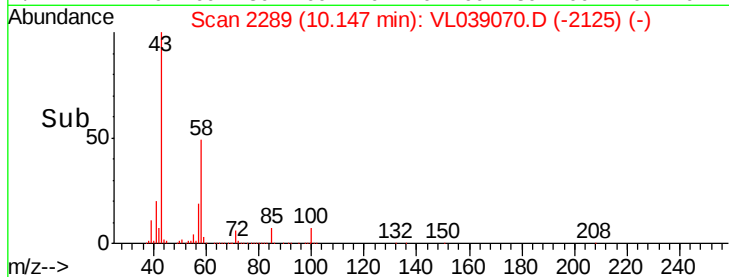
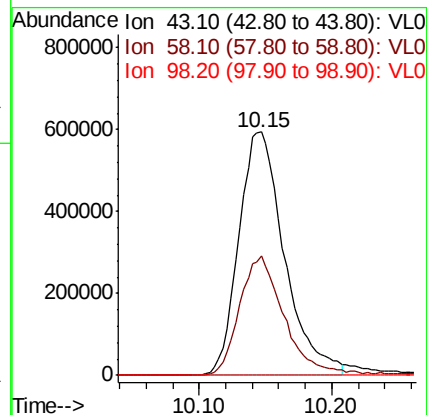
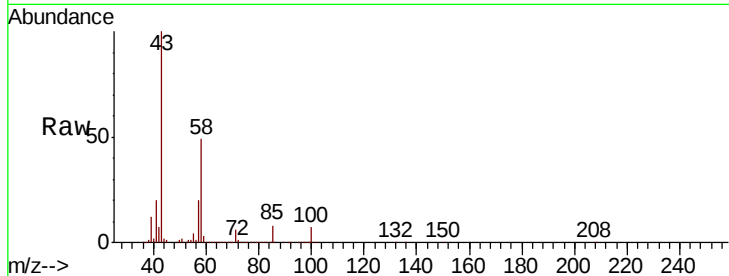
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 May 2022 15:06

Tot Ion: 43 Resp: 1423694

Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.3	58.9
98	0.1	0.2	0.2#



#52

Tetrachloroethene

Concen: 9.762 ppbv

RT: 11.24 min Scan# 2628

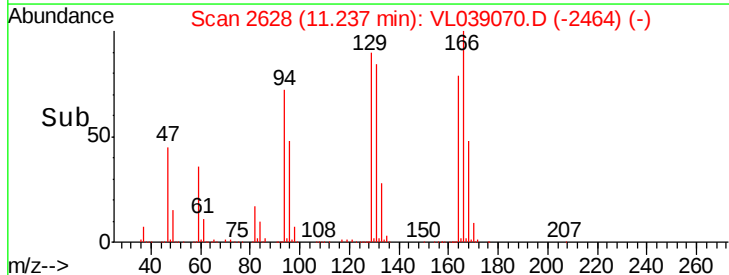
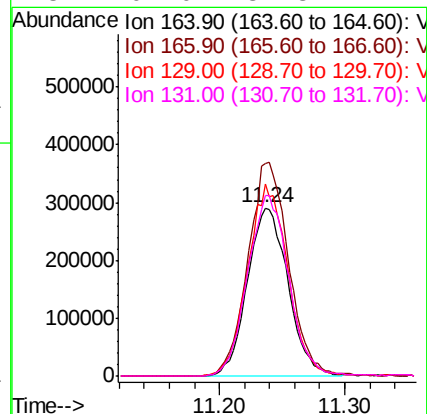
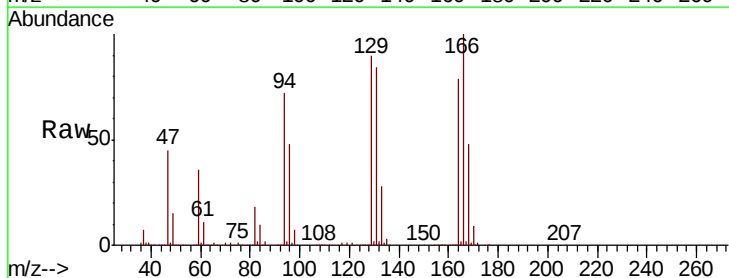
Delta R.T. 0.03 min

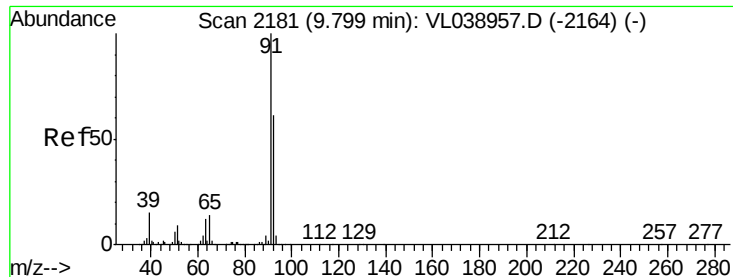
Lab File: VL039070.D

Acq: 17 May 2022 15:06

Tgt Ion: 164 Resp: 653142

Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.5	153.7
129	114.3	90.1	135.1
131	107.0	84.8	127.2





#53

Toluene

Concen: 10.132 ppbv

RT: 9.82 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: VL0517ABS01 ClientSampleId:

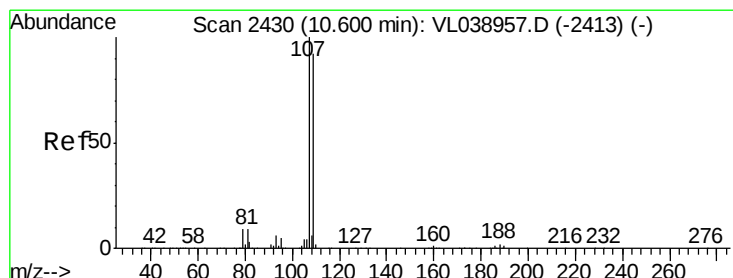
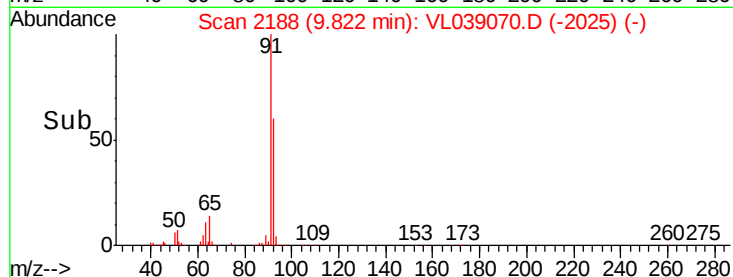
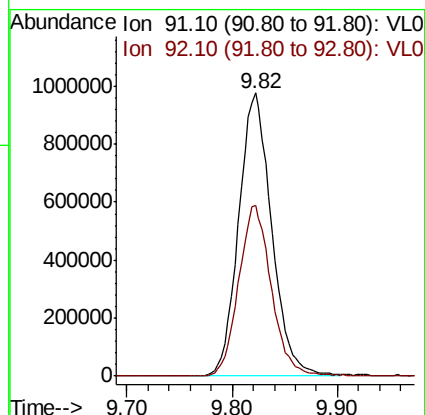
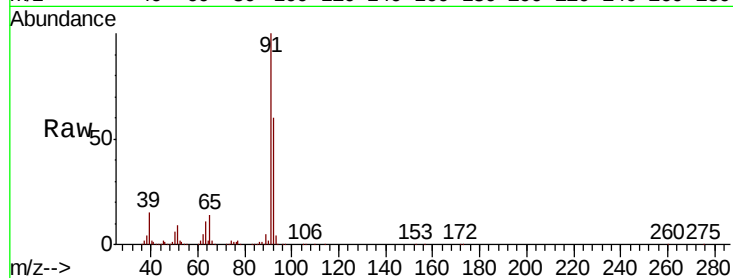
Acq: 17 May 2022 15:00

Tot Ion: 91 Resp: 2126066

Ion Ratio Lower Upper

91 100

92 60.0 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.680 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.03 min

Lab File: VL039070.D

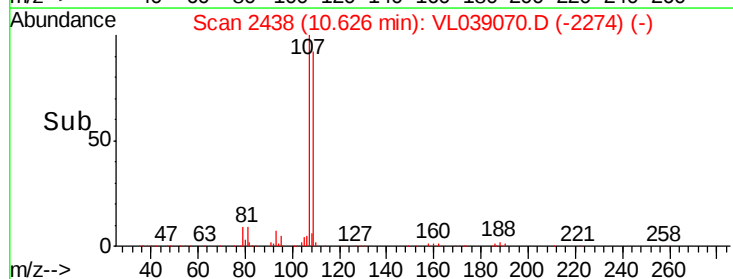
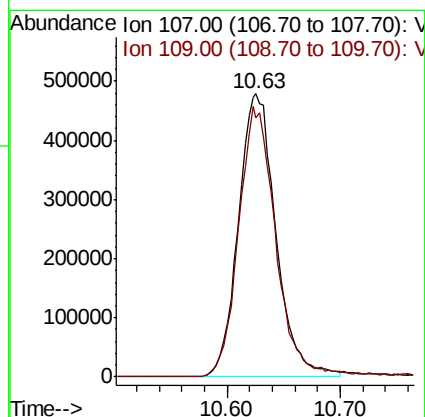
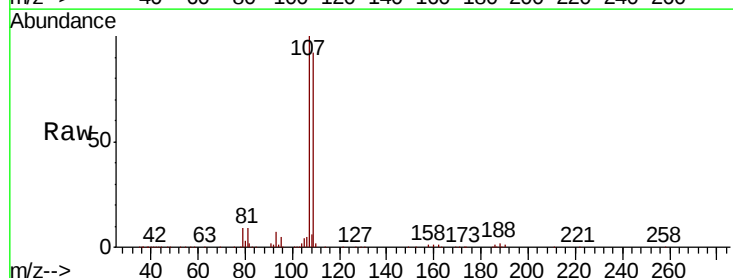
Acq: 17 May 2022 15:06

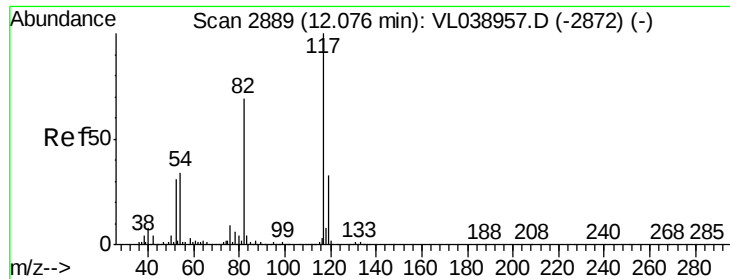
Tgt Ion: 107 Resp: 1101631

Ion Ratio Lower Upper

107 100

109 91.6 73.8 110.8

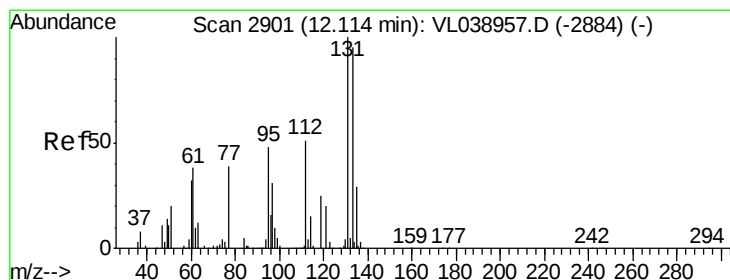
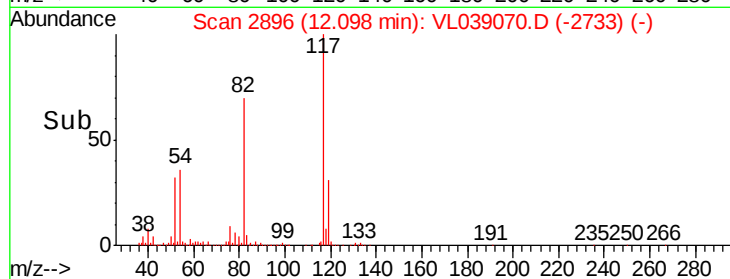
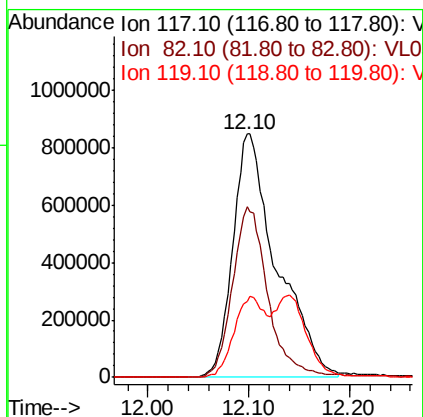
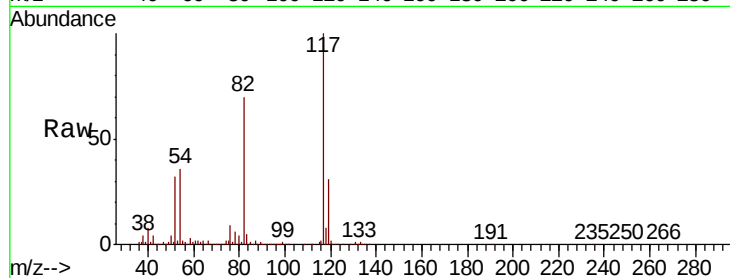




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.03 min
Lab File: VL0517ABS01
Client Sample ID: VL0517ABS01
Acq: 17 May 2022 15:00

Tot Ion: 117 Resp: 2572666

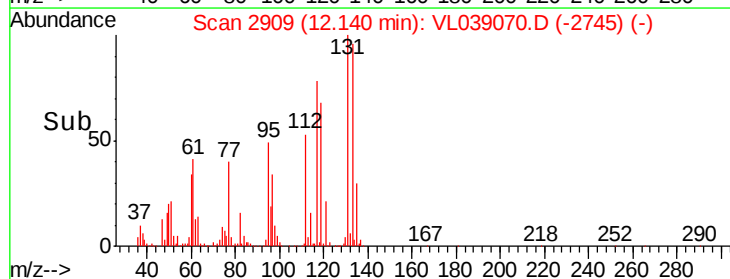
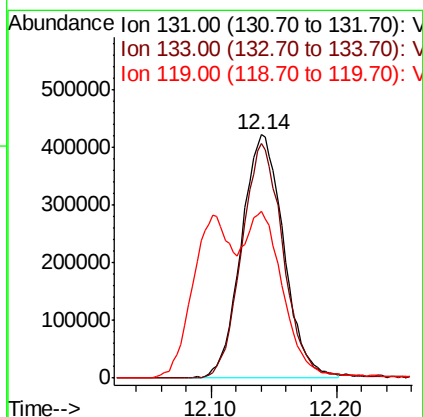
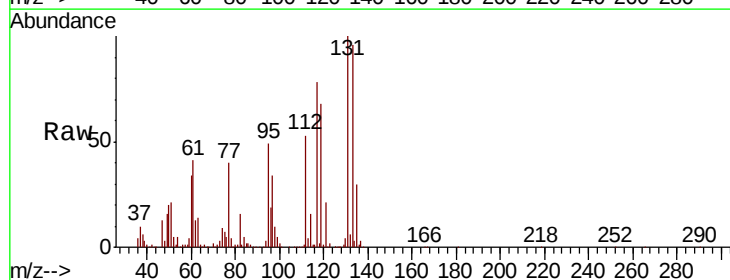
Ion	Ratio	Lower	Upper
117	100		
82	57.5	57.0	85.6
119	22.6	27.2	40.8#

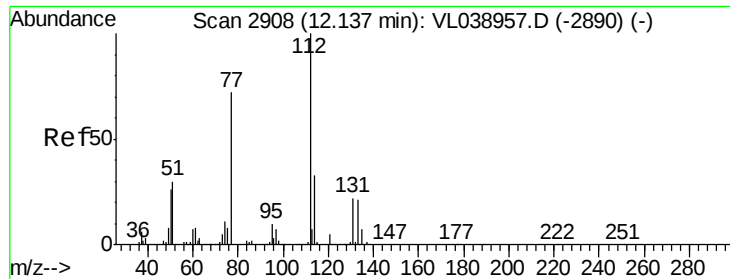


#56
1,1,1,2-Tetrachloroethane
Concen: 8.768 ppbv
RT: 12.14 min Scan# 2909
Delta R.T.: 0.03 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion: 131 Resp: 989735

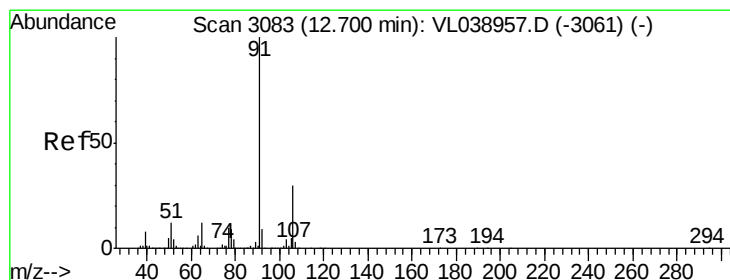
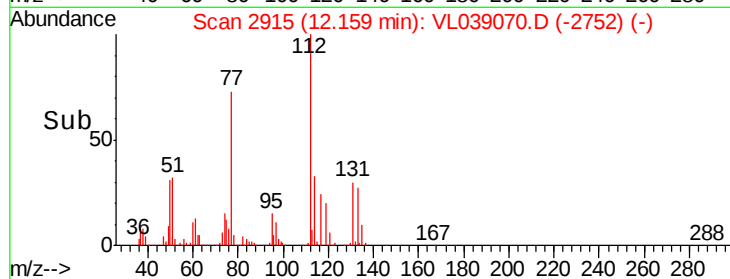
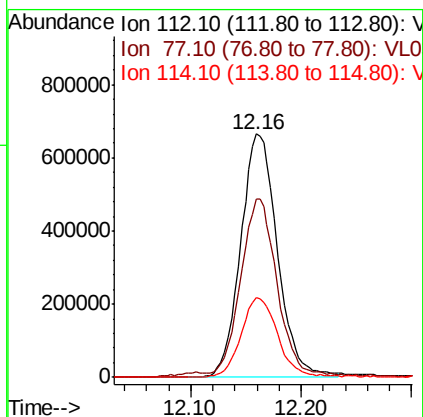
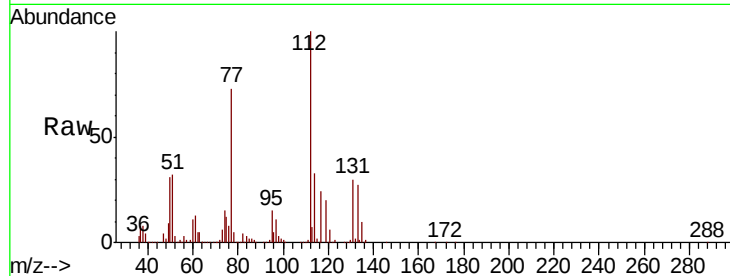
Ion	Ratio	Lower	Upper
131	100		
133	95.5	76.9	115.3
119	69.2	47.4	71.0





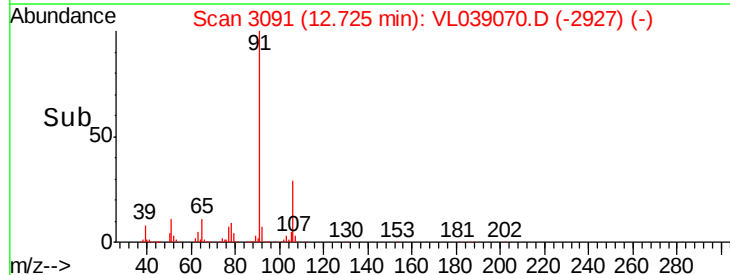
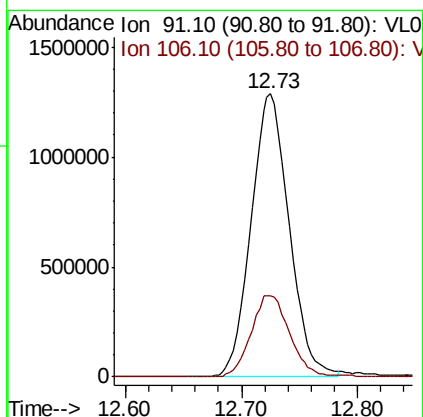
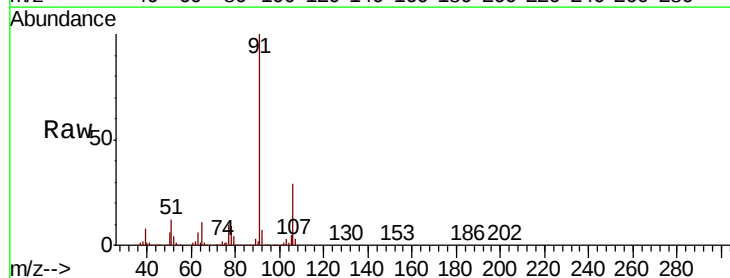
#57
Chlorobenzene
Concen: 7.950 ppbv
RT: 12.16
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0517ABS01
Acq: 17 May 2022 15:00

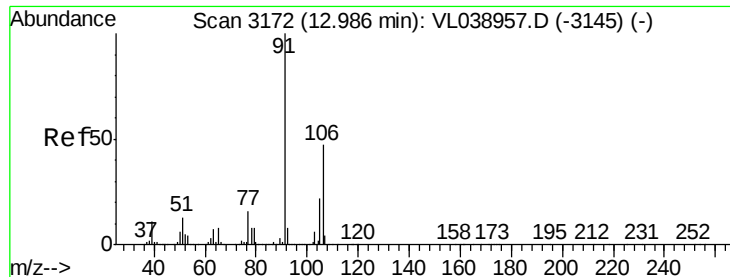
Tot Ion: 112 Resp: 1533186
Ion Ratio Lower Upper
112 100
77 72.1 57.7 86.5
114 32.7 30.1 36.7



#58
Ethyl Benzene
Concen: 7.945 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. 0.03 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

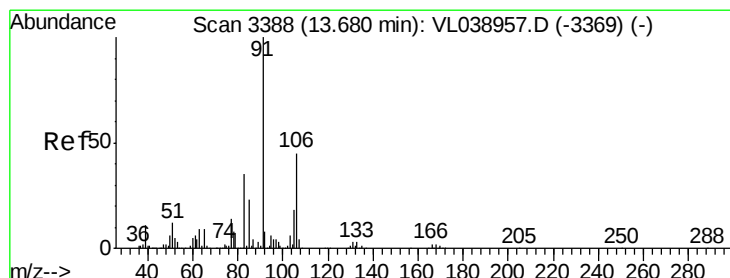
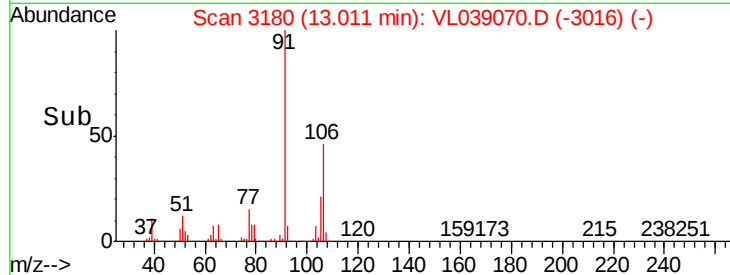
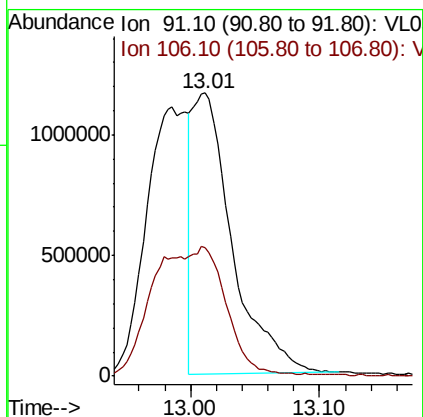
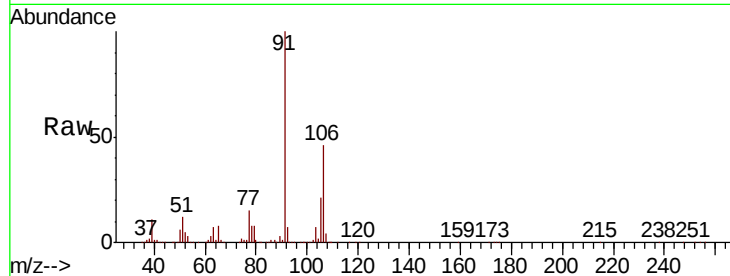
Tgt Ion: 91 Resp: 2941667
Ion Ratio Lower Upper
91 100
106 28.8 24.2 36.4





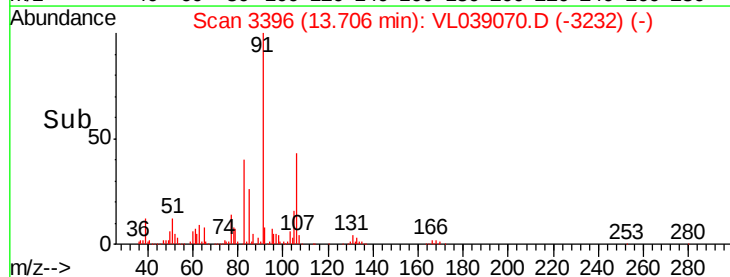
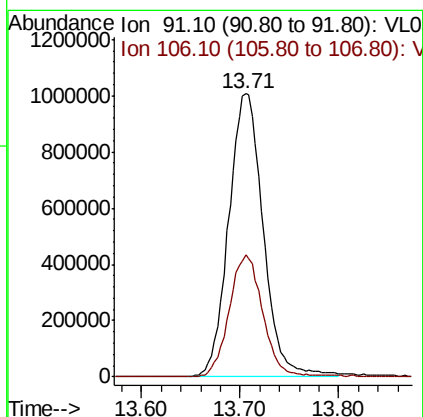
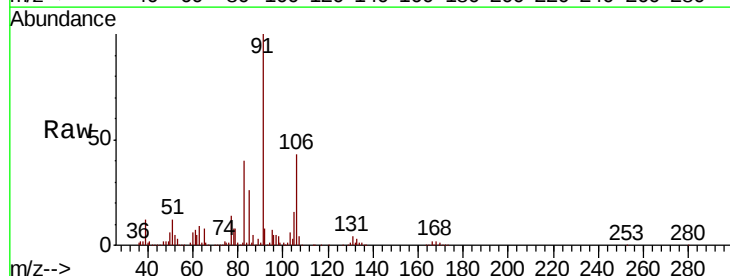
#59
m/p-Xylene
Concen: 7.862 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0517ABS01
Acq: 17 May 2022 15:00

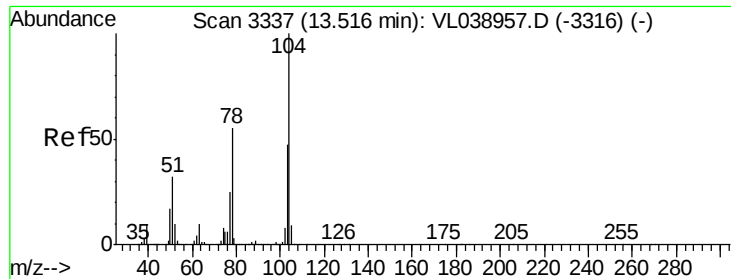
Tot Ion: 91 Resp: 2484946
Ion Ratio Lower Upper
91 100
106 85.9 34.6 52.0#



#60
o-Xylene
Concen: 8.235 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.03 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion: 91 Resp: 2449787
Ion Ratio Lower Upper
91 100
106 42.5 22.2 66.6

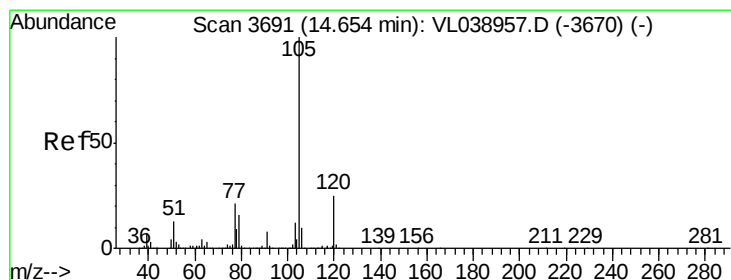
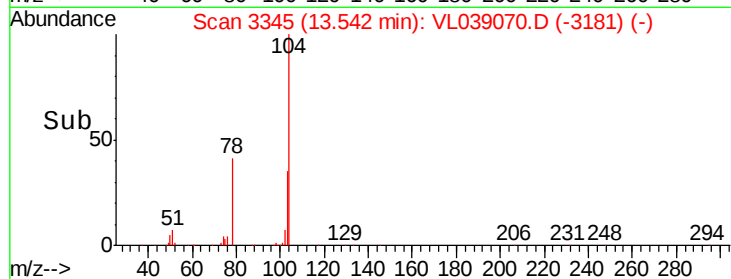
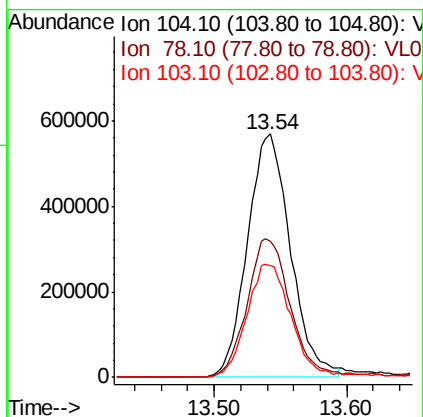
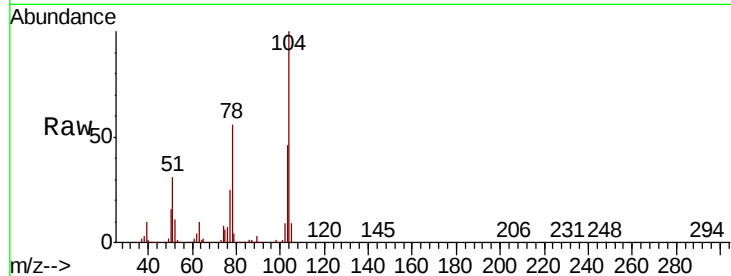




#61
Stvrene
Concen: 8.088 ppbv
RT: 13.54 min
Delta R.T.: 0.03 min
Lab File: VL0517ABS01
Acq: 17 May 2022 15:00

Tot Ion:104 Resp: 1284479

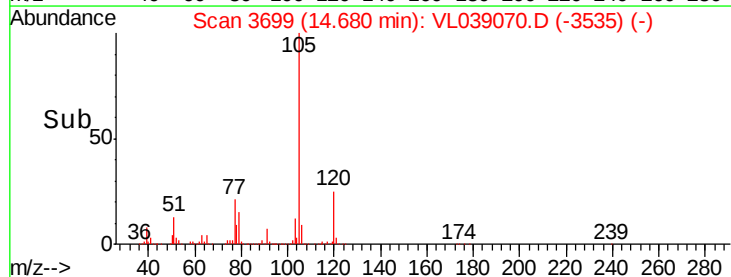
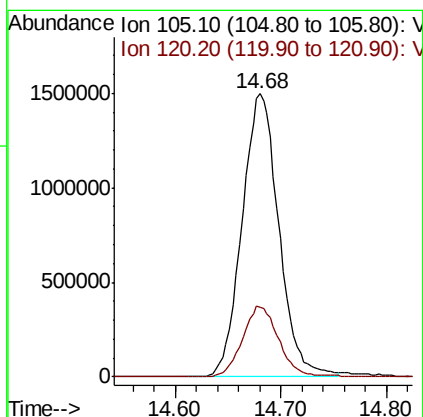
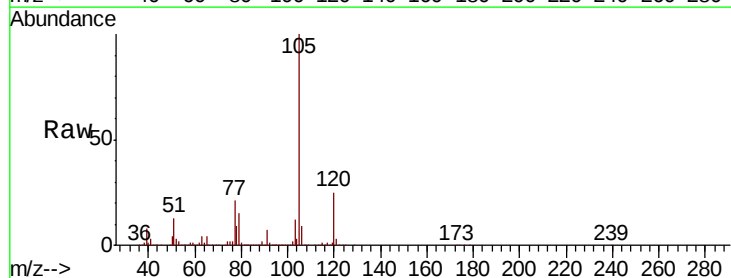
Ion	Ratio	Lower	Upper
104	100		
78	58.4	46.4	69.6
103	48.9	39.3	58.9

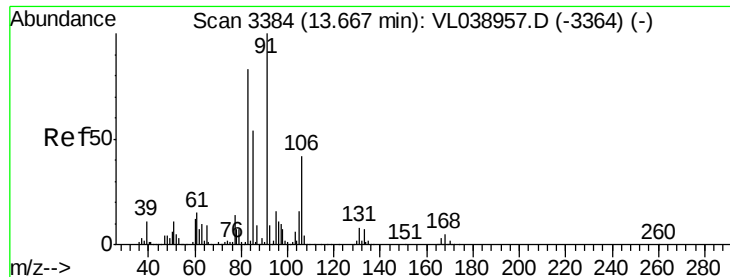


#62
Isopropylbenzene
Concen: 8.339 ppbv
RT: 14.68 min Scan# 3699
Delta R.T.: 0.03 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion:105 Resp: 3627513

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.5	30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 9.385 ppbv

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 15:00

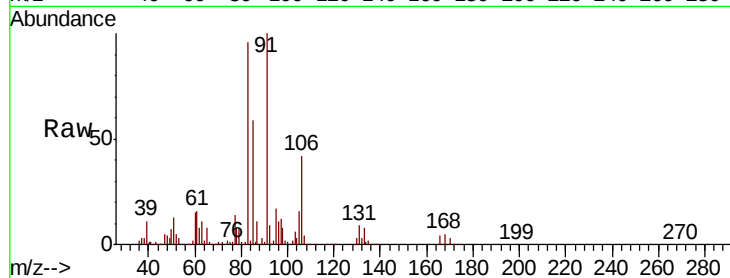
Tot Ion: 83 Resp: 1644022

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.7

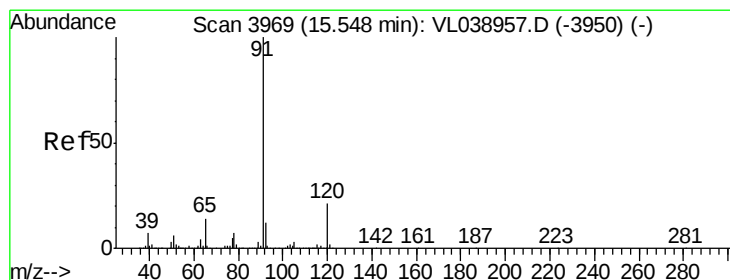
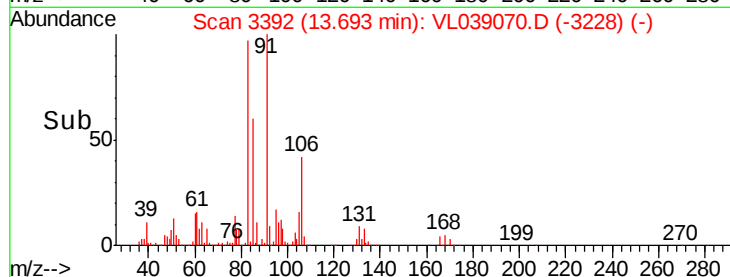
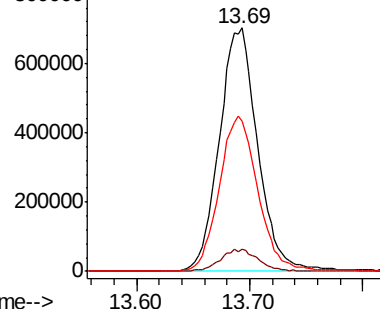
85 65.5 32.8 98.3



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: 8.555 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.03 min

Lab File: VL039070.D

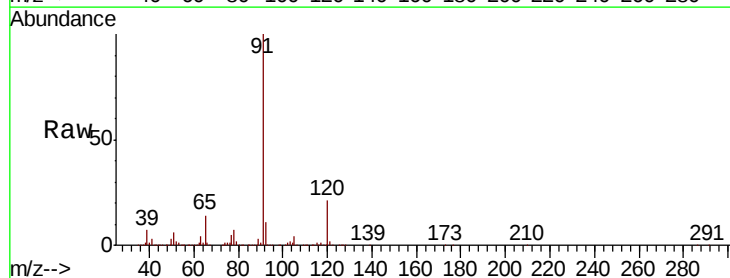
Acq: 17 May 2022 15:06

Tgt Ion:120 Resp: 899780

Ion Ratio Lower Upper

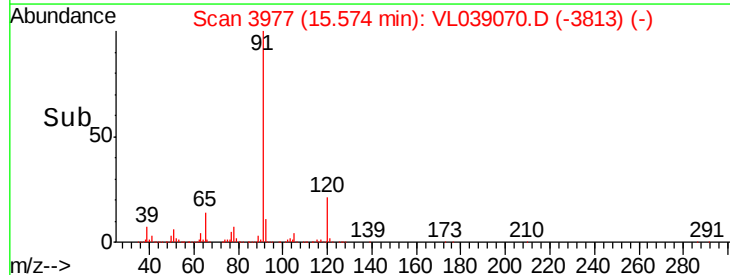
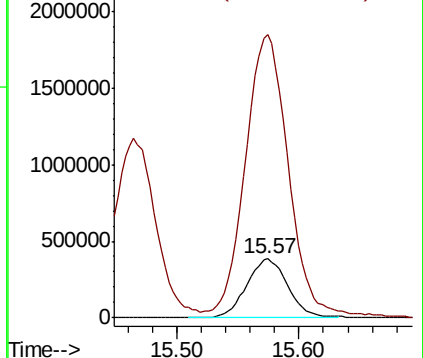
120 100

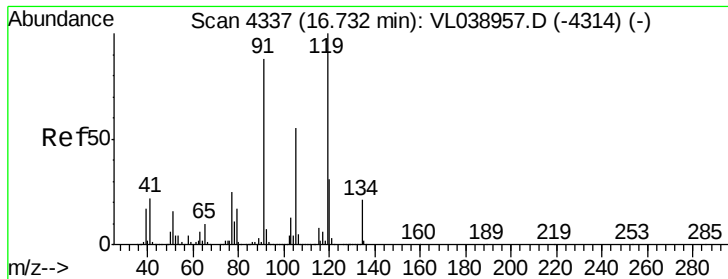
91 507.5 400.6 601.0



Abundance Ion 120.20 (119.90 to 120.90): V

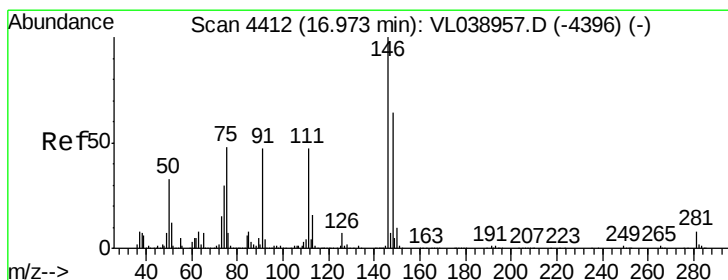
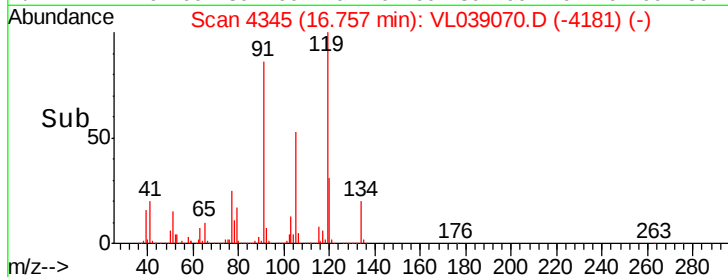
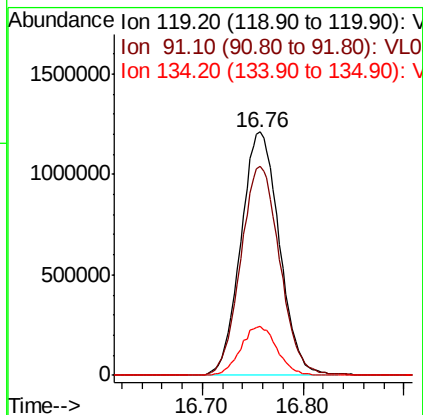
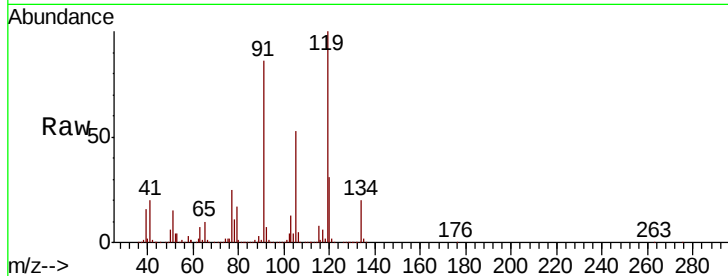
Ion 91.10 (90.80 to 91.80): VL0





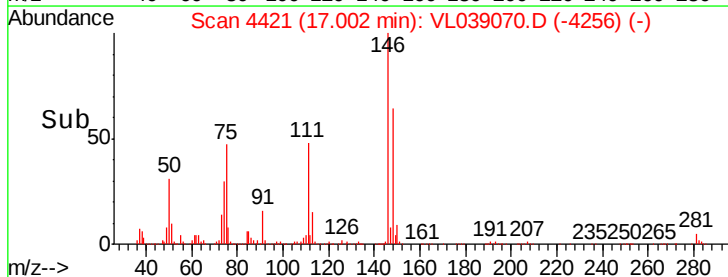
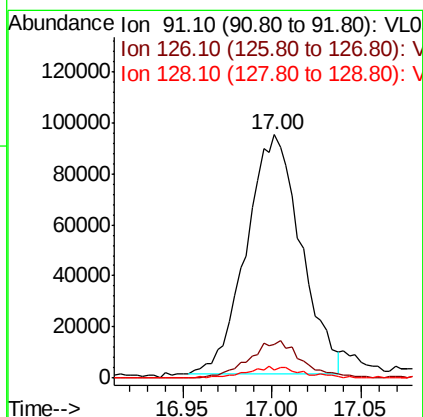
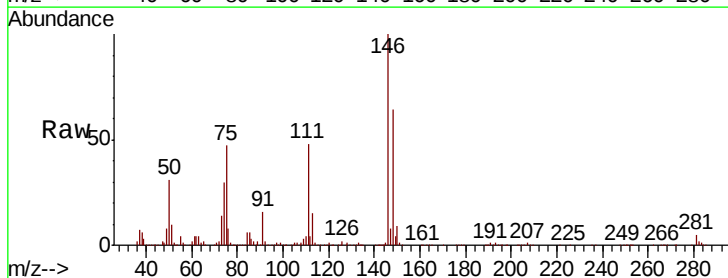
#65
tert-Butylbenzene
Concen: 8.393 ppbv
RT: 16.76 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0517ABS01
Acq: 17 May 2022 15:00

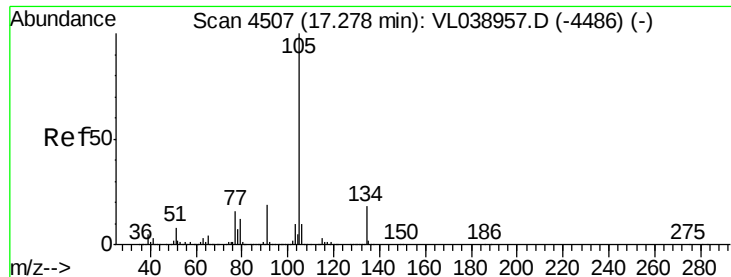
Tot Ion: 119 Resp: 3199058
Ion Ratio Lower Upper
119 100
91 87.9 69.4 104.2
134 19.1 15.8 23.8



#66
Benzyl Chloride
Concen: 4.033 ppbv
RT: 17.00 min Scan# 4421
Delta R.T.: 0.03 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion: 91 Resp: 200958
Ion Ratio Lower Upper
91 100
126 15.1 11.8 17.6
128 4.9 4.2 6.2





#67

sec-Butylbenzene

Concen: 8.396 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

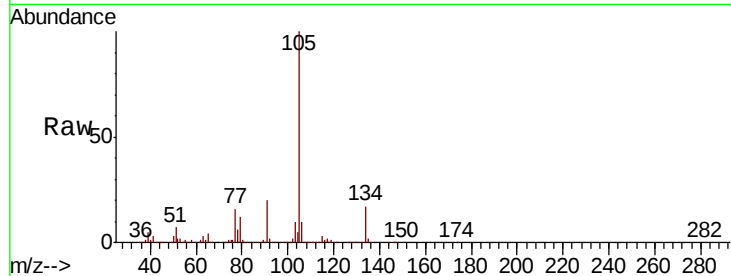
Acq: 17 May 2022 15:00

Tot Ion:105 Resp: 4572204

Ion Ratio Lower Upper

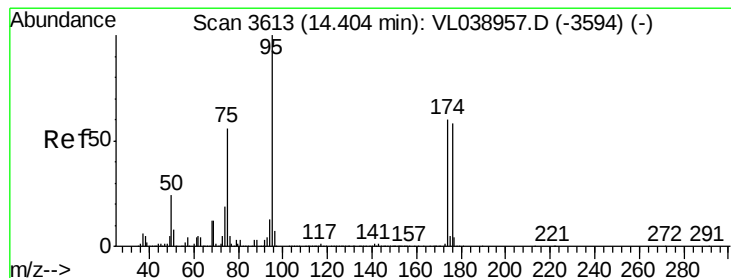
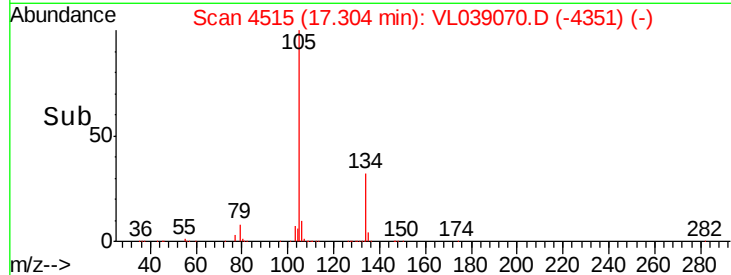
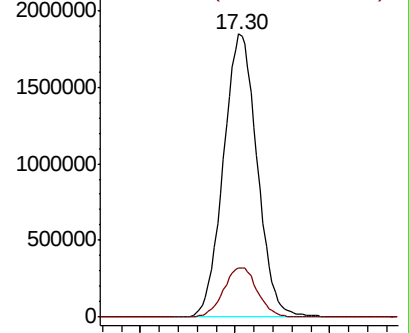
105 100

134 17.5 14.2 21.4



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: 8.094 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.02 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

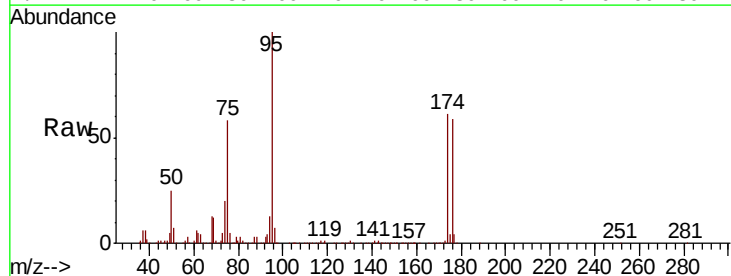
Tgt Ion: 95 Resp: 1649187

Ion Ratio Lower Upper

95 100

174 64.4 50.8 76.2

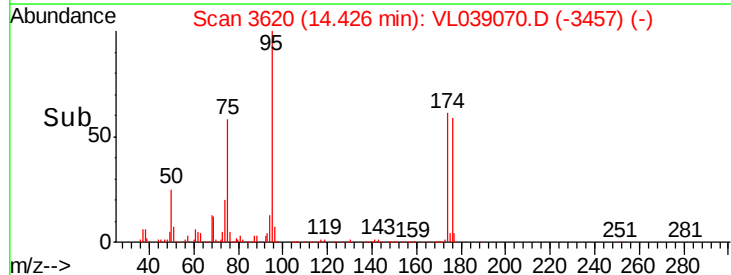
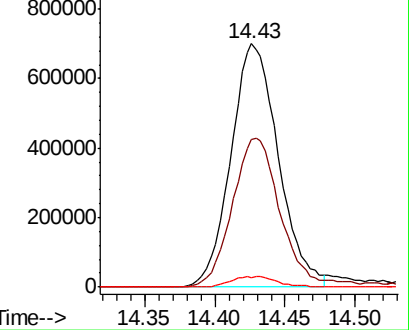
175 4.6 3.8 5.6

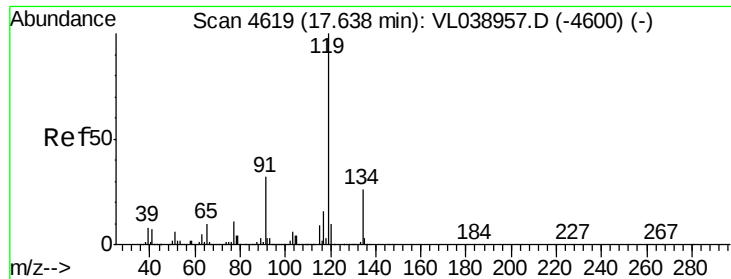


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

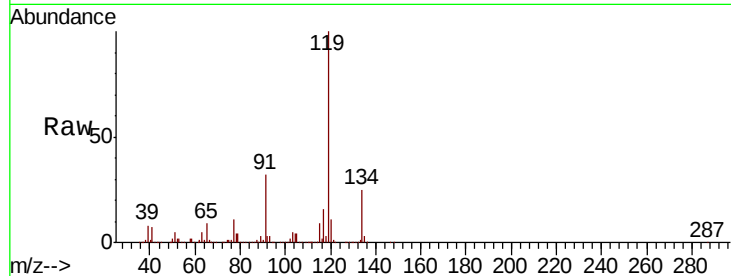




#69
 p-Isopropyltoluene
 Concen: 8.616 ppbv
 RT: 17.66 min
 Delta R.T. 0.03 min
 Lab File: VL0517ABS01
 Acq: 17 May 2022 15:06

Tot Ion: 119 Resp: 3790694

Ion	Ratio	Lower	Upper
119	100		
134	24.3	20.0	30.0
91	30.9	24.8	37.2

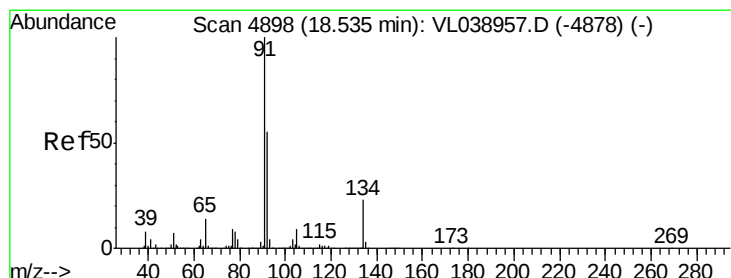
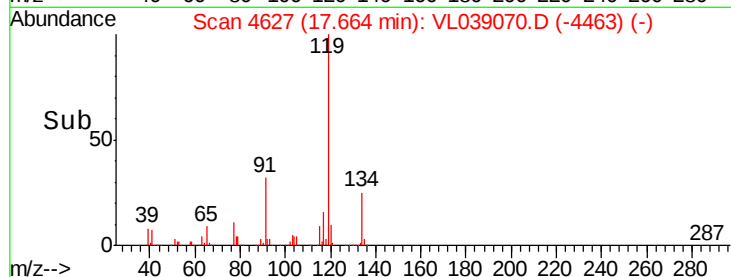
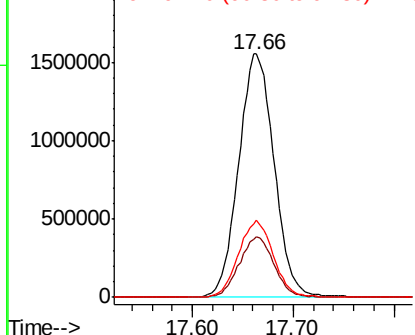


Abundance

Ion 119.10 (118.80 to 119.80): VL0

Ion 134.20 (133.90 to 134.90): VL0

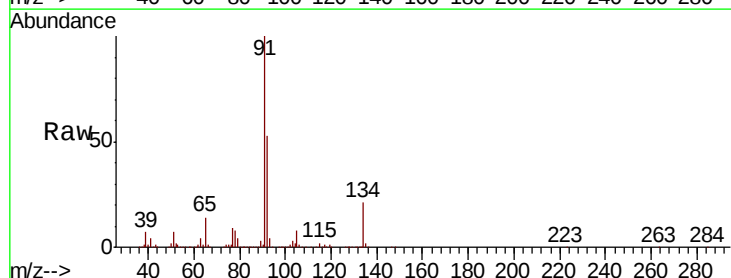
Ion 91.10 (90.80 to 91.80): VL0



#70
 n-Butylbenzene
 Concen: 8.651 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.03 min
 Lab File: VL039070.D
 Acq: 17 May 2022 15:06

Tgt Ion: 91 Resp: 4043722

Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.1	64.7
134	21.0	17.0	25.4

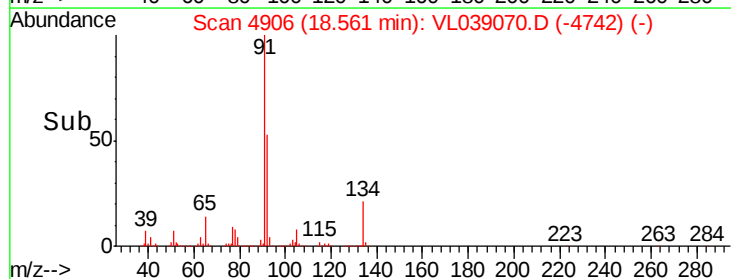
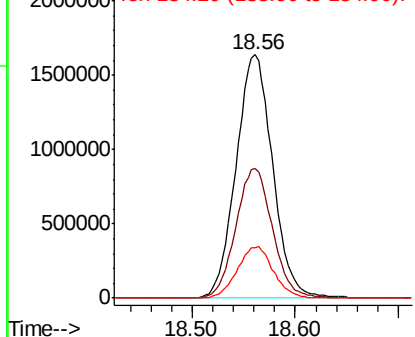


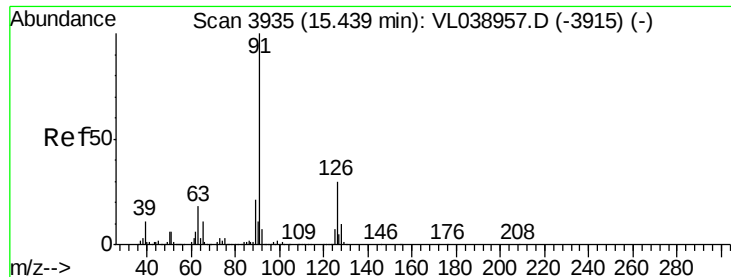
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): VL0





#71

2-Chlorotoluene

Concen: 8.250 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0517ABS01

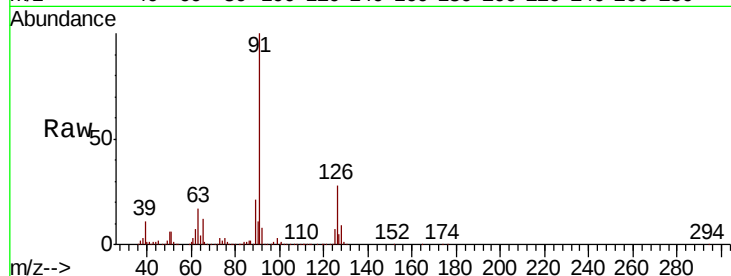
Acq: 17 May 2022 15:00

Tot Ion: 91 Resp: 2766747

Ion Ratio Lower Upper

91 100

126 29.7 11.9 47.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

1000000

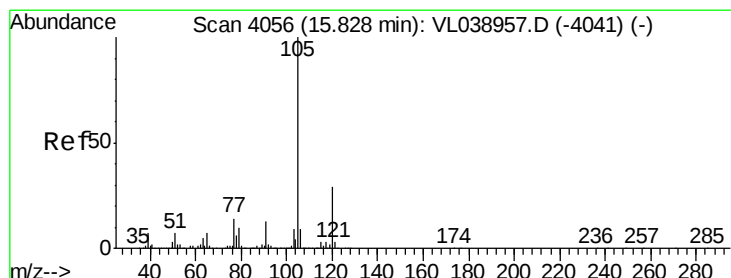
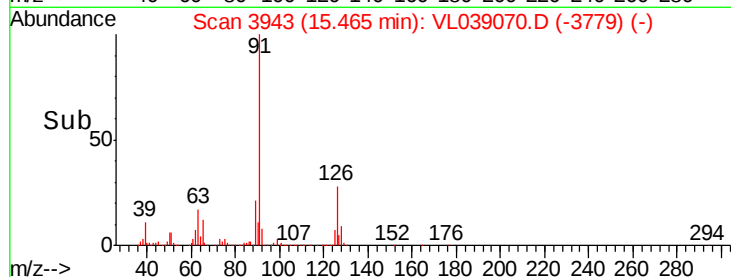
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 8.242 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.02 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

Tgt Ion:105 Resp: 2794084

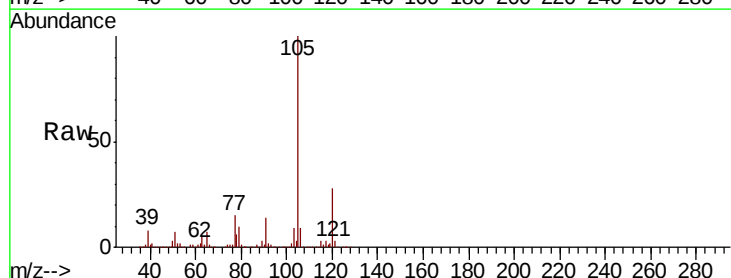
Ion Ratio Lower Upper

105 100

120 29.4 23.4 35.0

91 13.7 10.6 16.0

77 15.2 12.5 18.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1500000

1000000

500000

0

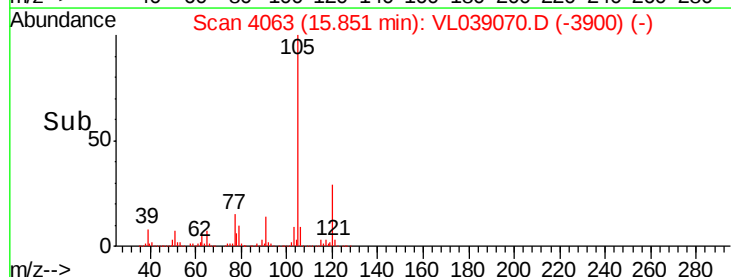
15.75

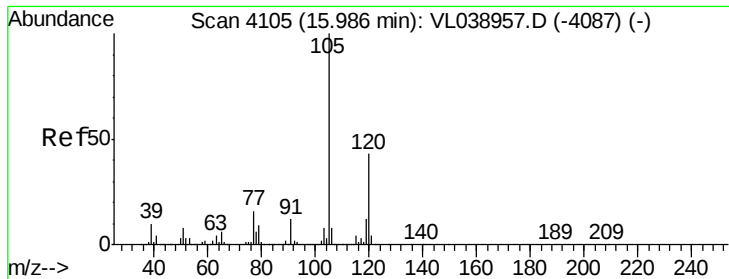
15.80

15.85

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 8.355 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0517ABS01

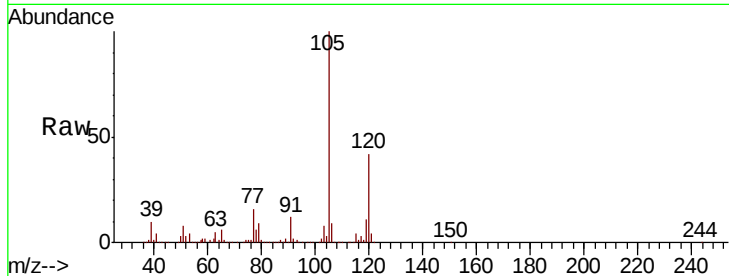
Acq: 17 May 2022 15:00

Tot Ion:105 Resp: 2549908

Ion Ratio Lower Upper

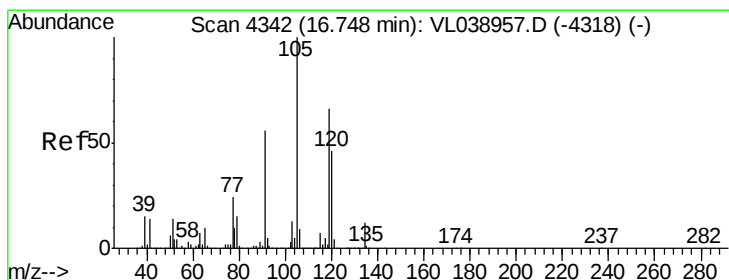
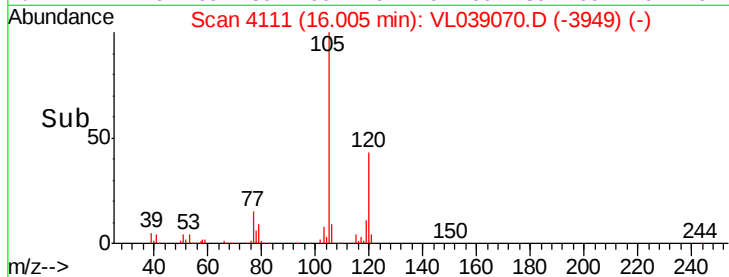
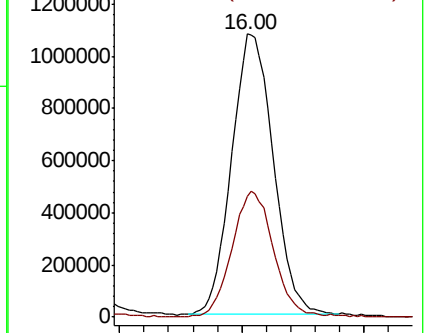
105 100

120 42.6 34.4 51.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.410 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.03 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

Tgt Ion:105 Resp: 2810273

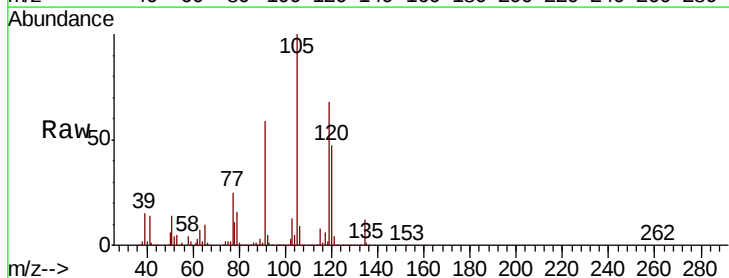
Ion Ratio Lower Upper

105 100

120 46.7 36.9 55.3

91 58.4 45.0 67.4

77 24.5 19.2 28.8

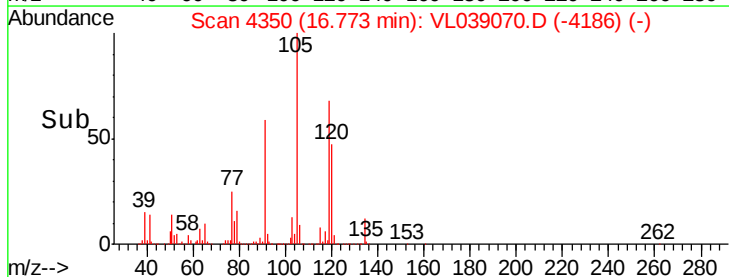
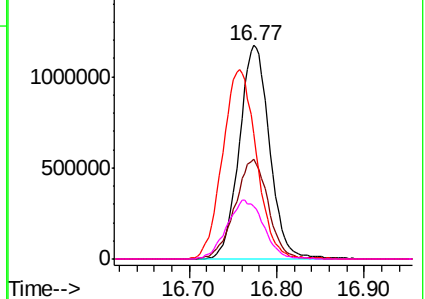


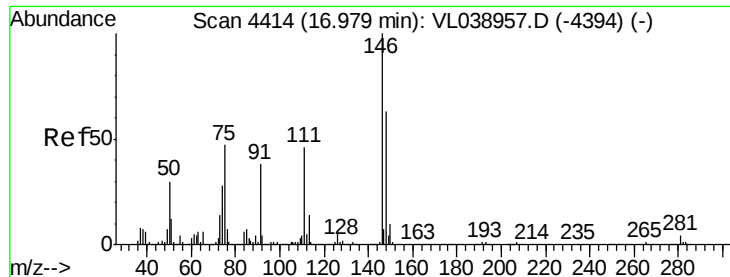
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 8.492 ppbv

RT: 17.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 15:00

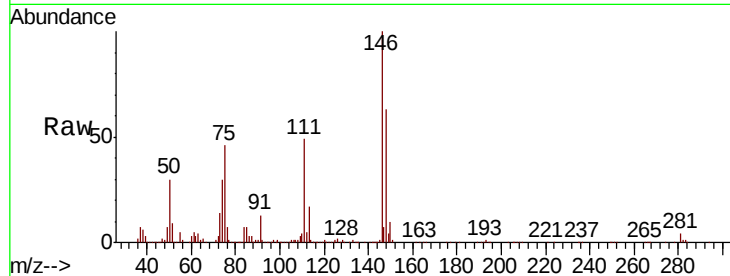
Tot Ion:146 Resp: 1554655

Ion Ratio Lower Upper

146 100

111 48.0 24.1 72.2

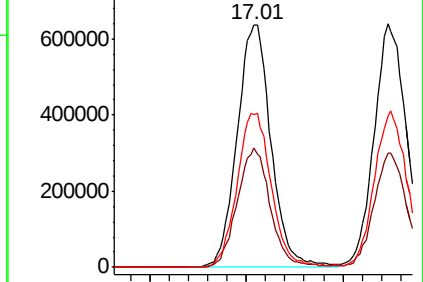
148 64.4 32.4 97.2



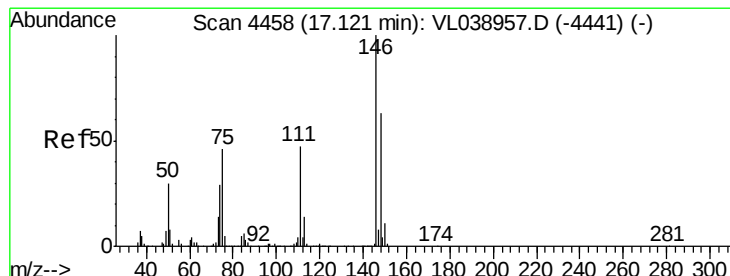
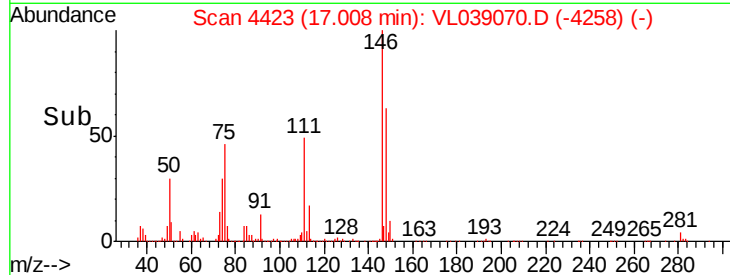
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#76

1,4-Dichlorobenzene

Concen: 8.274 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. 0.03 min

Lab File: VL039070.D

Acq: 17 May 2022 15:06

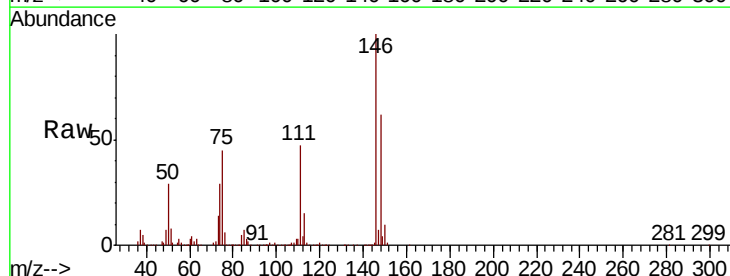
Tgt Ion:146 Resp: 1490188

Ion Ratio Lower Upper

146 100

111 49.1 23.6 71.0

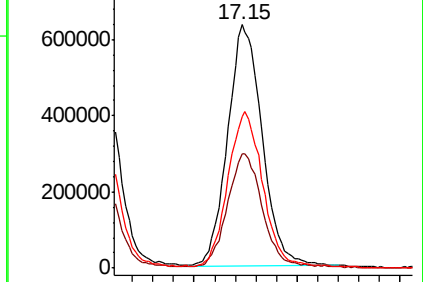
148 66.3 32.2 96.6



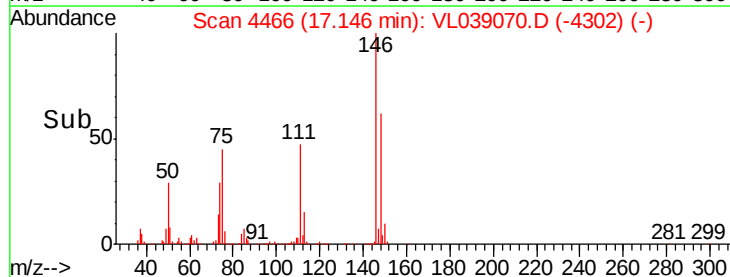
Abundance Ion 146.00 (145.70 to 146.70): V

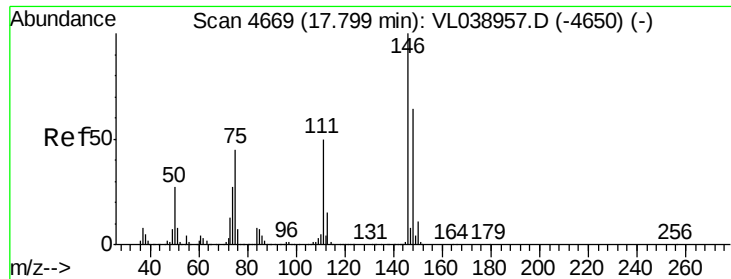
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



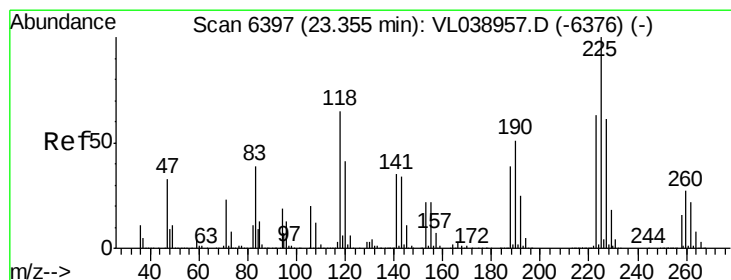
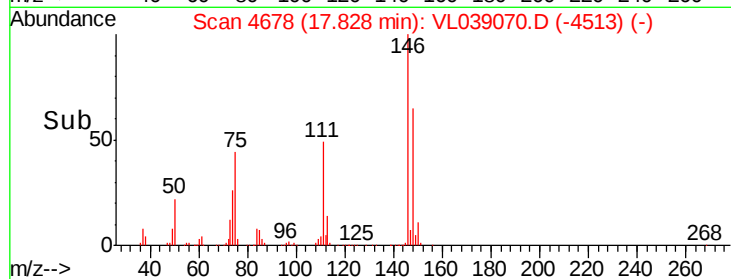
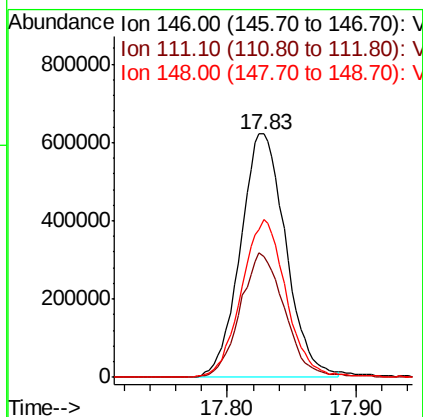
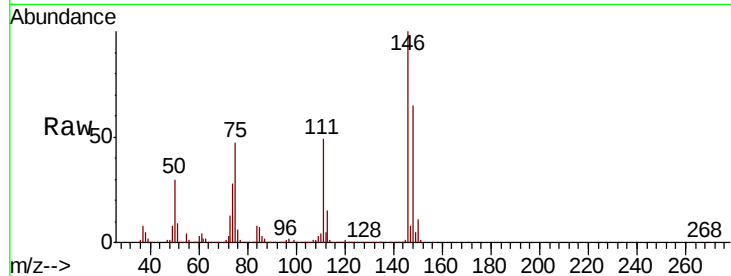
Time-->





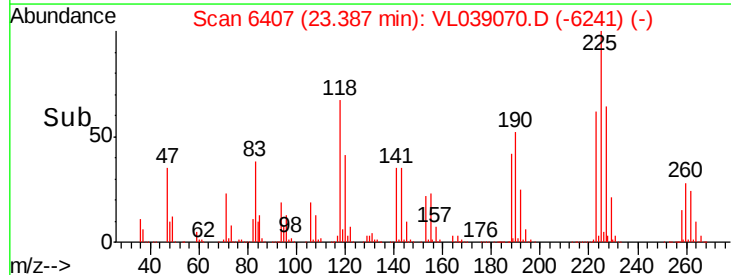
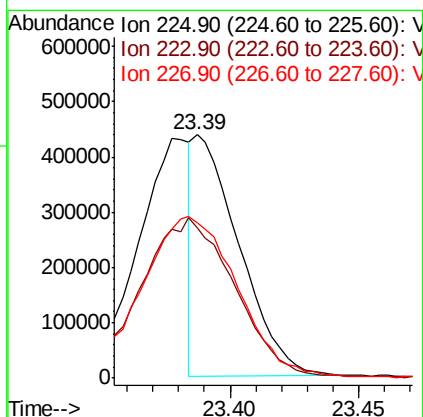
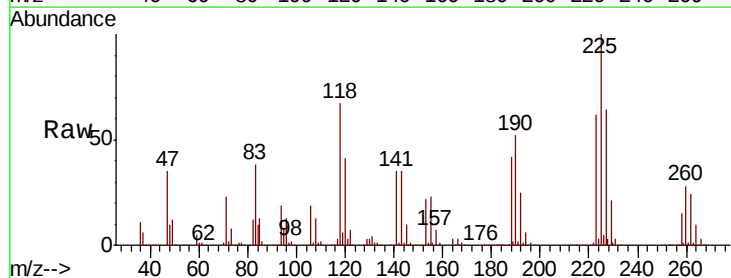
#77
 1,2-Dichlorobenzene
 Concen: 8.354 ppbv
 RT: 17.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0517ABS01
 Acq: 17 May 2022 15:00

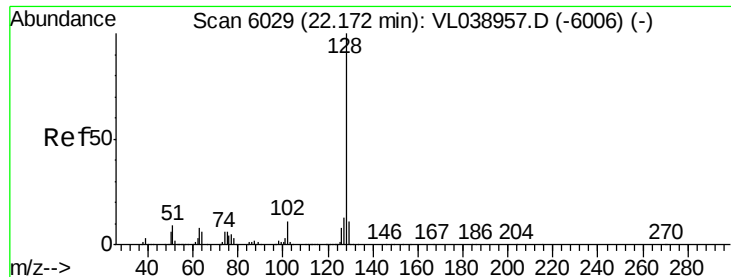
Tot Ion:146 Resp: 1512766
 Ion Ratio Lower Upper
 146 100
 111 50.5 25.3 75.9
 148 64.7 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 3.185 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. 0.03 min
 Lab File: VL039070.D
 Acq: 17 May 2022 15:06

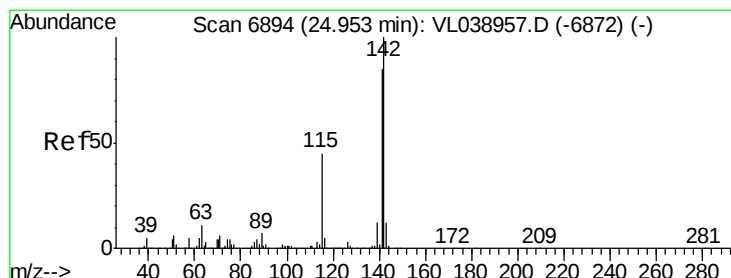
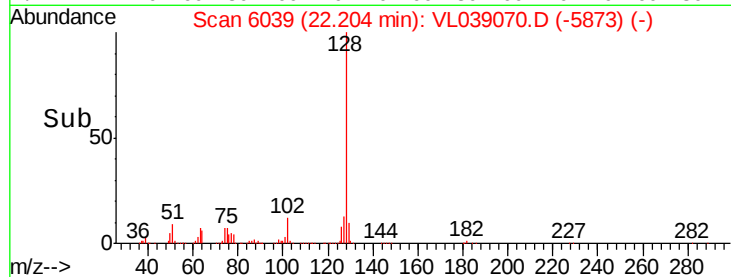
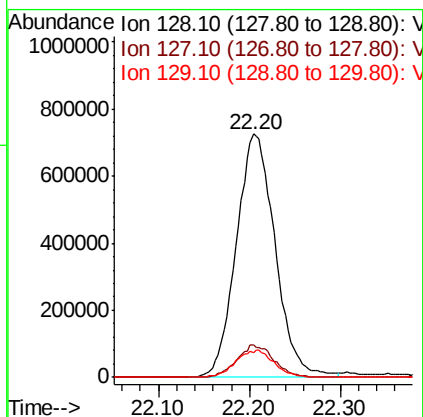
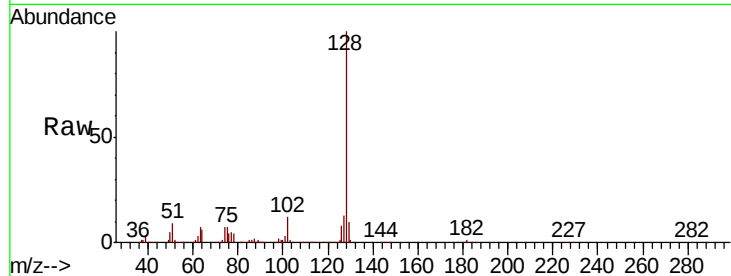
Tgt Ion:225 Resp: 530080
 Ion Ratio Lower Upper
 225 100
 223 141.6 51.4 77.0#
 227 144.2 51.4 77.0#





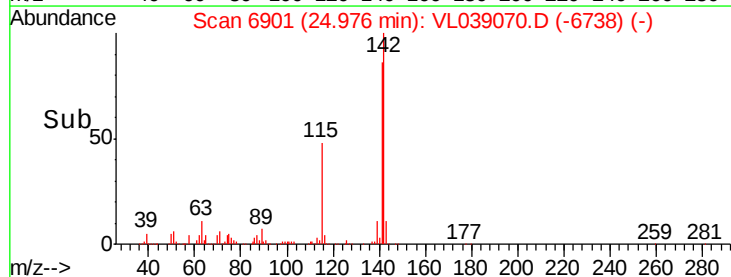
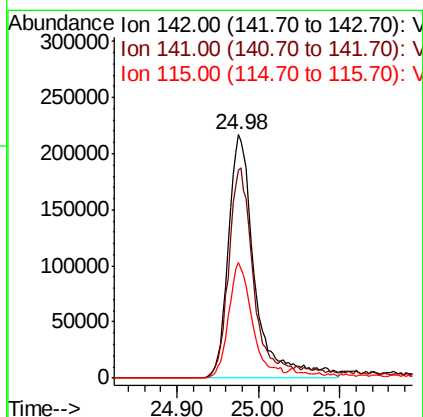
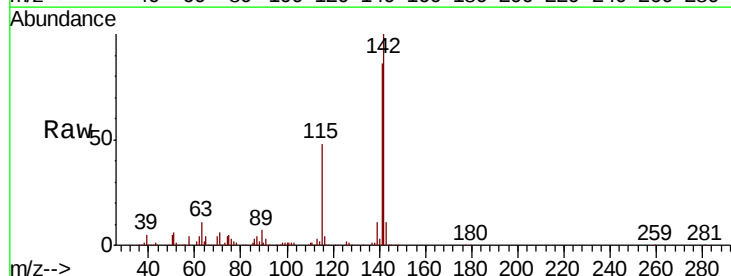
#79
Naphthalene
Concen: 7.917 ppbv
RT: 22.20 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0517ABS01
Acq: 17 May 2022 15:00

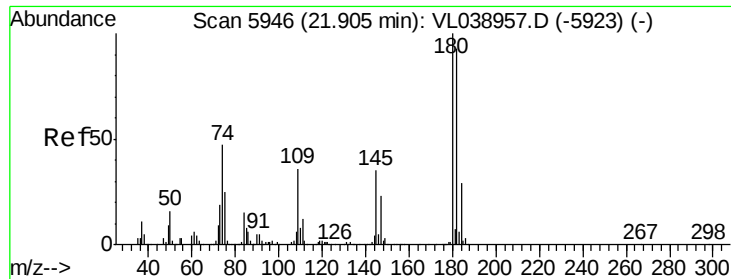
Tot	Ion:128	Resp: 2148806	
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	10.4	8.9	13.3



#80
Naphthalene, 2-methyl-
Concen: 6.074 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. 0.02 min
Lab File: VL039070.D
Acq: 17 May 2022 15:06

Tgt Ion:142	Resp: 498699
Ion Ratio	Lower Upper
142 100	
141 87.8	70.8 106.2
115 45.9	35.1 52.7





#81

1,2,4-Trichlorobenzene

Concen: 3.752 ppbv

RT: 21.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 May 2022 15:00 VL0517ABS01

Tot Ion:180 Resp: 596763

Ion Ratio Lower Upper

180 100

182 194.3 78.4 117.6#

184 62.2 24.4 36.6#

