

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070522\
 Data File : VL039419.D
 Acq On : 5 Jul 2022 13:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 06 02:16:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1329835	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3654829	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4265202	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2607841	8.24	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1803215	9.401	ppbv 100
3) Chlorodifluoromethane	2.99	51	1537994	9.116	ppbv 98
4) Chloromethane	3.14	50	869527	9.423	ppbv 99
5) Vinyl Chloride	3.26	62	810080	8.903	ppbv 97
6) Bromomethane	3.48	94	364056	9.507	ppbv 99
7) Chloroethane	3.56	64	302042	9.333	ppbv 98
8) Dichlorotetrafluoroethane	3.19	85	1961563	9.362	ppbv 99
9) Propene	3.01	41	708086	9.293	ppbv 99
10) Heptane	8.12	43	1785209	10.003	ppbv 100
11) Trichlorofluoromethane	3.95	101	1908143	8.927	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1433457	8.996	ppbv 99
13) Ethanol	3.60	45	37220	8.420	ppbv 99
14) Bromoethene	3.75	108	609347	9.096	ppbv 98
15) Acetone	3.85	43	1479470	9.404	ppbv 100
16) 1,3-Butadiene	3.33	39	794672	9.735	ppbv 99
17) tert-Butyl alcohol	4.29	59	1319200	9.879	ppbv 99
18) 1,1-Dichloroethene	4.29	96	653827	9.057	ppbv 99
19) Isopropyl Alcohol	3.96	45	795119	9.475	ppbv # 97
20) Methylene Chloride	4.35	84	543900	8.673	ppbv 97
21) Allyl Chloride	4.41	41	1048438	9.622	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	652705	9.341	ppbv 97
23) Vinyl Acetate	5.07	43	1105027	10.510	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1479049	9.960	ppbv 98
25) Ethyl Acetate	5.67	43	3189829	9.888	ppbv 100
26) Hexane	5.69	57	1347959	10.366	ppbv 99
27) Carbon Disulfide	4.55	76	1626534	10.363	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1469842	10.572	ppbv 97
29) Chloroform	5.75	83	2104383	9.307	ppbv 99
30) Cyclohexane	7.13	84	1172492	9.904	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1366681	9.905	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2099088	9.405	ppbv 100
34) 2-Butanone	5.24	43	1891765	10.283	ppbv 100
35) Carbon Tetrachloride	7.02	117	2200628	9.744	ppbv 99
36) Benzene	6.89	78	2829538	10.003	ppbv 97
37) 1,2-Dichloroethane	6.31	62	1596414	9.562	ppbv 100
38) Trichloroethene	7.83	130	1470707	9.613	ppbv 99
39) 1,2-Dichloropropane	7.61	63	1064767	10.076	ppbv 98
40) 1,4-Dioxane	7.83	88	408109	9.691	ppbv # 1
41) Tetrahydrofuran	6.05	42	1136781	10.663	ppbv 99
42) Bromodichloromethane	7.79	83	2279222	10.125	ppbv 99
43) Methyl Methacrylate	8.01	69	1136830	10.570	ppbv 99

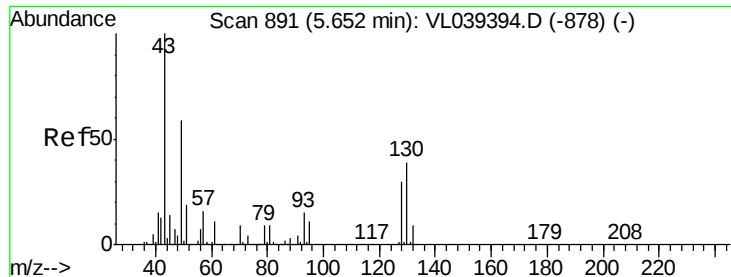
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 Data File : VL039419.D
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Quant Time: Jul 06 02:16:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
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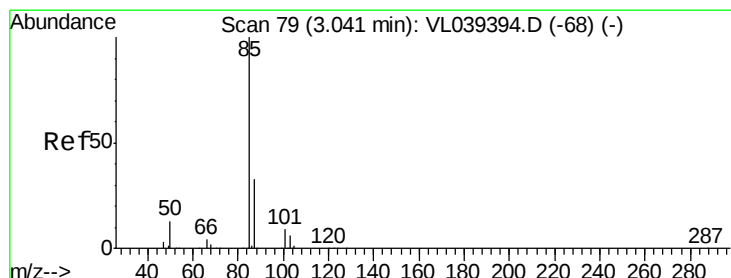
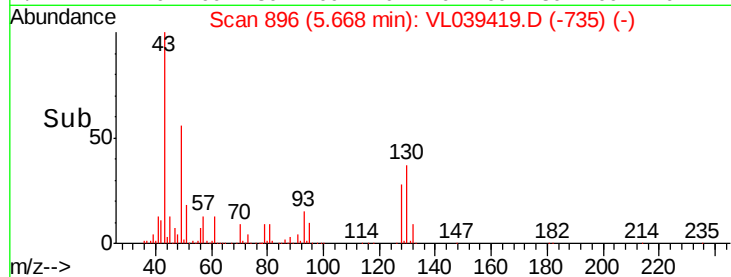
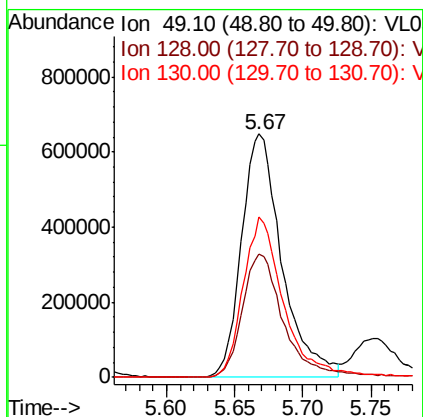
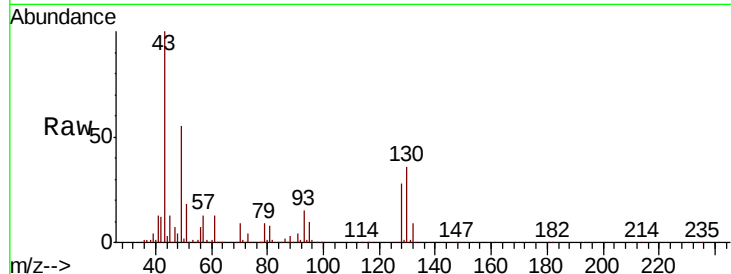
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4704153	9.814	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1198900	12.519	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1545283	11.723	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1162621	9.805	ppbv	99
48) Dibromochloromethane	10.30	129	2040351	10.827	ppbv	100
49) Bromoform	13.04	173	1714429	11.277	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2995360	10.767	ppbv	99
51) 2-Hexanone	10.13	43	2365872	11.244	ppbv #	100
52) Tetrachloroethene	11.22	164	1090004	9.572	ppbv	97
53) Toluene	9.80	91	3394275	10.403	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1544497	10.469	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1480405	7.857	ppbv	96
57) Chlorobenzene	12.15	112	2570497	7.773	ppbv #	96
58) Ethyl Benzene	12.71	91	4526826	8.219	ppbv	100
59) m/p-Xylene	12.99	91	3791365	7.809	ppbv #	27
60) o-Xylene	13.69	91	3688346	8.022	ppbv	99
61) Styrene	13.53	104	2257678	9.065	ppbv	99
62) Isopropylbenzene	14.66	105	5463796	7.804	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	1760219	7.304	ppbv	100
64) n-propylbenzene	15.56	120	1458257	8.217	ppbv	98
65) tert-Butylbenzene	16.74	119	4967423	7.678	ppbv	99
66) Benzyl Chloride	16.98	91	654752	10.649	ppbv	100
67) sec-Butylbenzene	17.29	105	6863362	7.876	ppbv	99
69) p-Isopropyltoluene	17.65	119	5928861	8.018	ppbv	100
70) n-Butylbenzene	18.55	91	5854732	8.158	ppbv	100
71) 2-Chlorotoluene	15.45	91	4051981	8.086	ppbv	100
72) 4-Ethyltoluene	15.84	105	4443649	8.220	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4092537	8.243	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	4411337	8.032	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2633057	8.037	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2541172	7.826	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2596702	7.996	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1829959	7.007	ppbv	100
79) Naphthalene	22.19	128	3731413	9.872	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1358414	10.559	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	2079836	8.448	ppbv	100

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



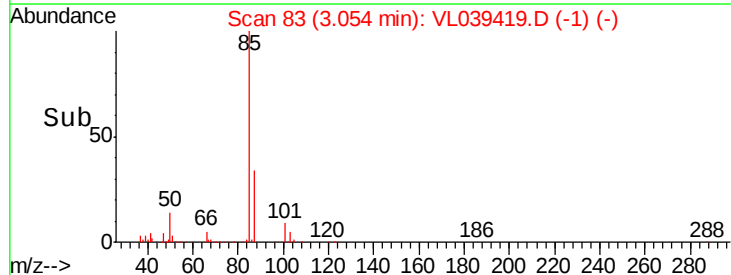
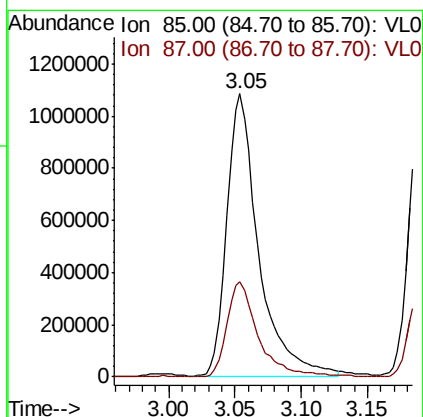
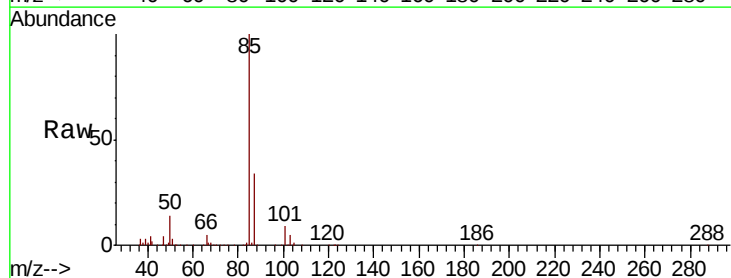
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 5 Jul 2022 13:18

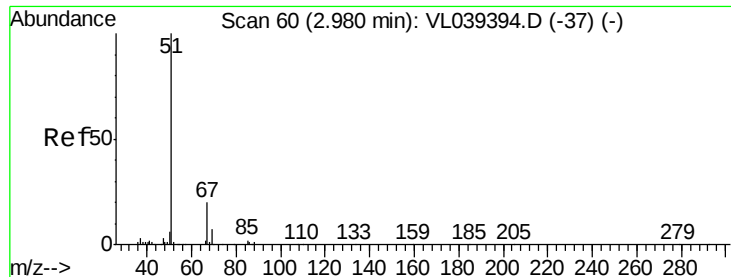
Tot Ion: 49 Resp: 1329835
 Ion Ratio Lower Upper
 49 100
 128 52.9 26.7 80.0
 130 67.0 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 9.401 ppbv
 RT: 3.05 min Scan# 83
 Delta R.T.: 0.01 min
 Lab File: VL039419.D
 Acq: 5 Jul 2022 13:18

Tgt Ion: 85 Resp: 1803215
 Ion Ratio Lower Upper
 85 100
 87 33.5 26.7 40.1





#3

Chlorodifluoromethane

Concen: 9.116 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

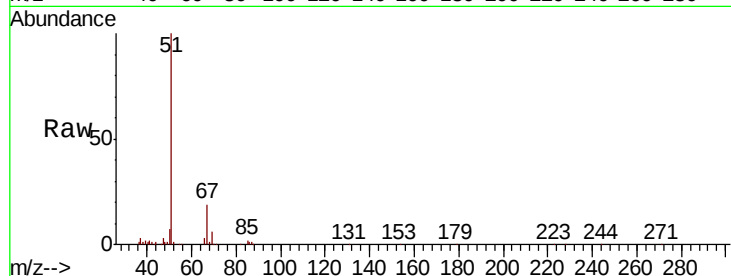
Acq: 5 Jul 2022 13:18

Tot Ion: 51 Resp: 1537994

Ion Ratio Lower Upper

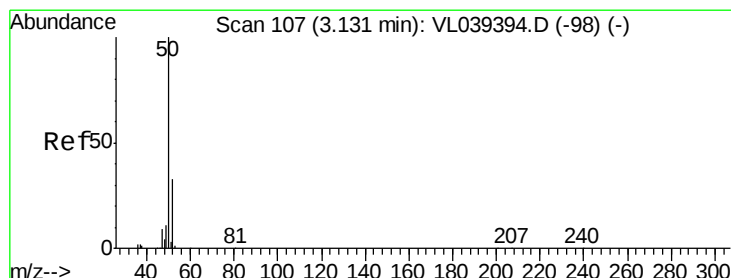
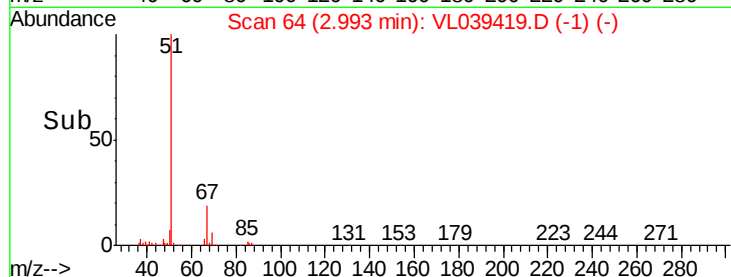
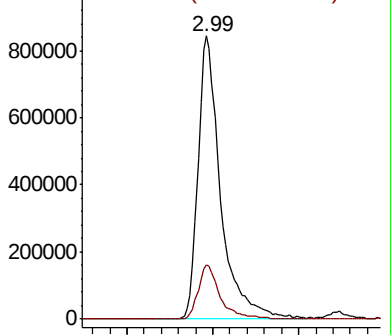
51 100

67 18.9 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.423 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL039419.D

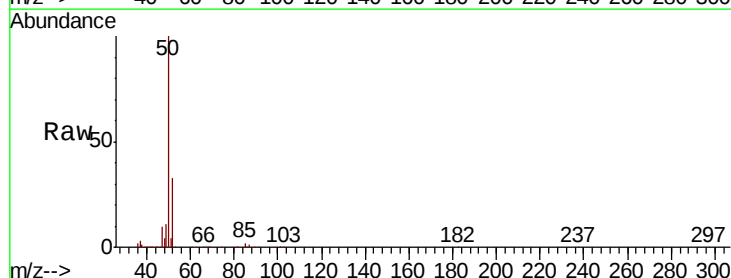
Acq: 5 Jul 2022 13:18

Tgt Ion: 50 Resp: 869527

Ion Ratio Lower Upper

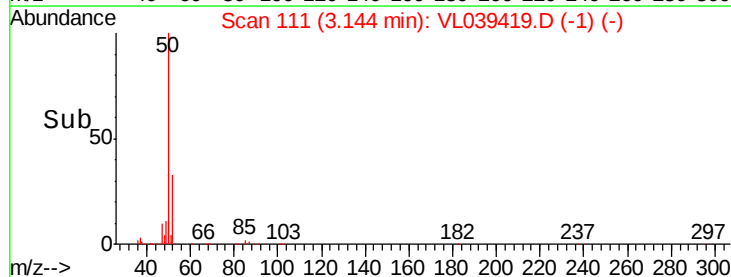
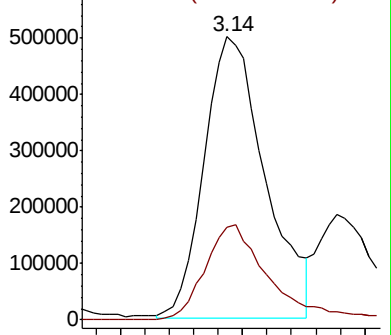
50 100

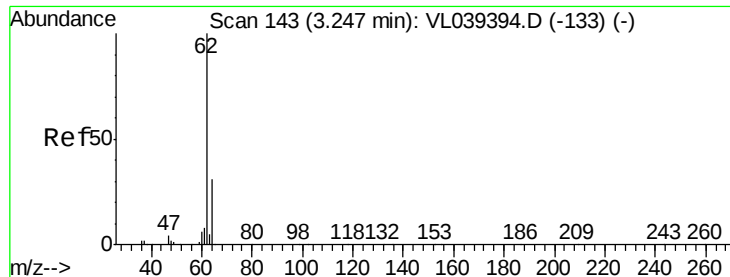
52 32.7 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.903 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

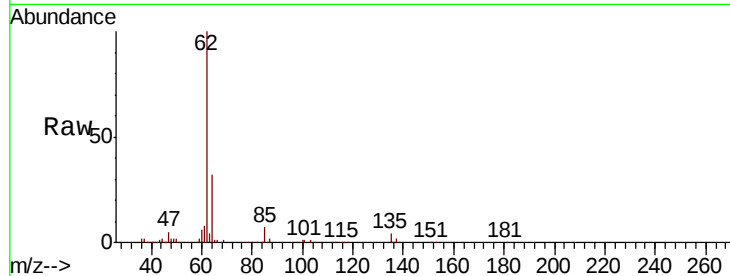
Acq: 5 Jul 2022 13:18 VSTDCCC010

Tot Ion: 62 Resp: 810080

Ion Ratio Lower Upper

62 100

64 32.4 24.6 36.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

500000

400000

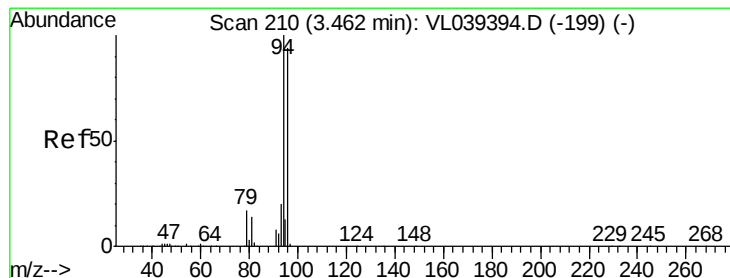
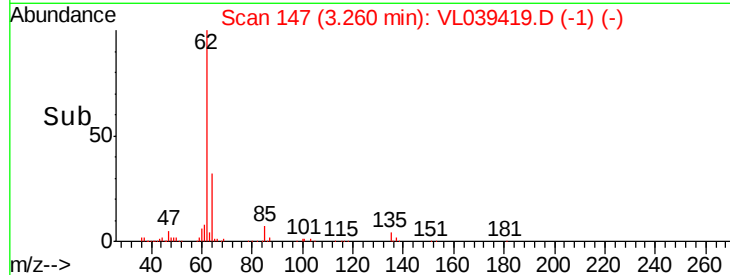
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.507 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.02 min

Lab File: VL039419.D

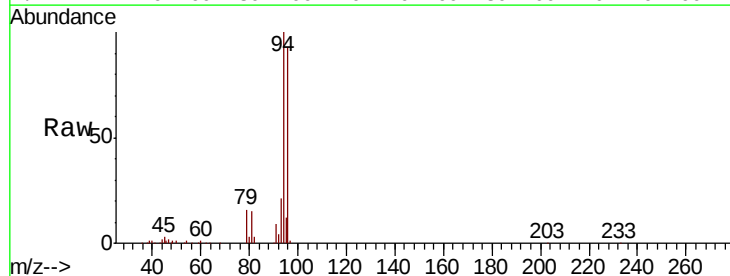
Acq: 5 Jul 2022 13:18

Tgt Ion: 94 Resp: 364056

Ion Ratio Lower Upper

94 100

96 93.3 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

200000

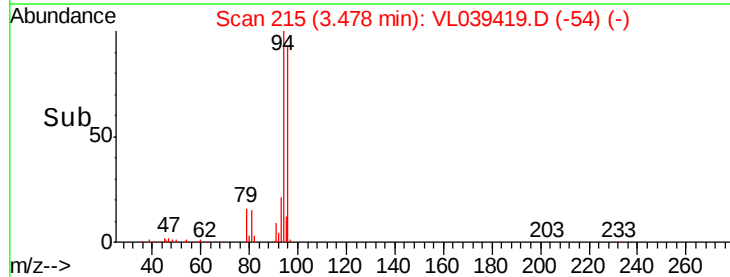
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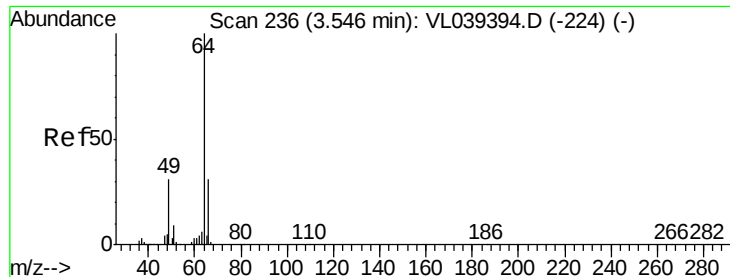
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.333 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

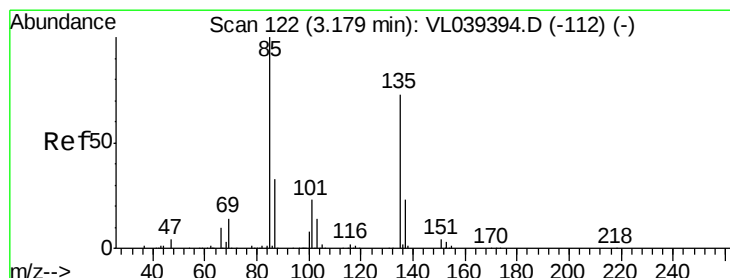
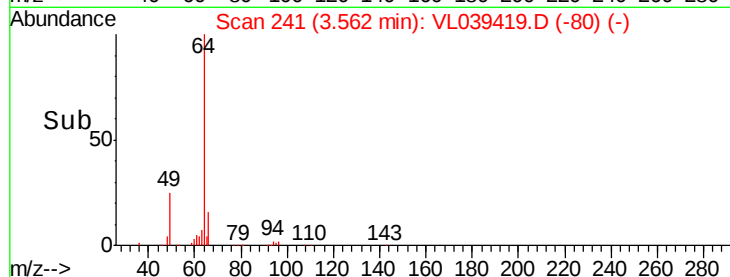
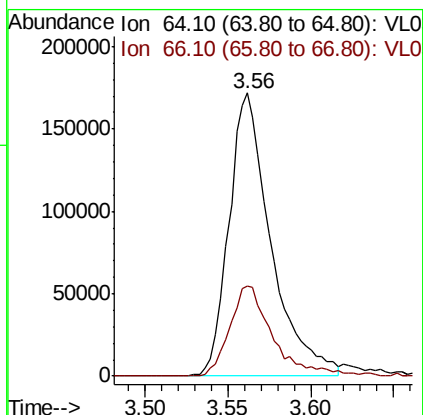
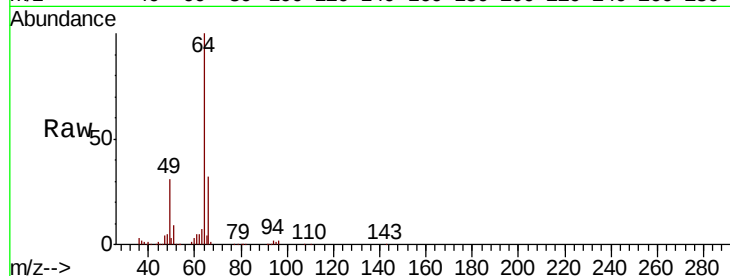
Acq: 5 Jul 2022 13:18 VSTDCCC010

Tot Ion: 64 Resp: 302042

Ion Ratio Lower Upper

64 100

66 31.7 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.362 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL039419.D

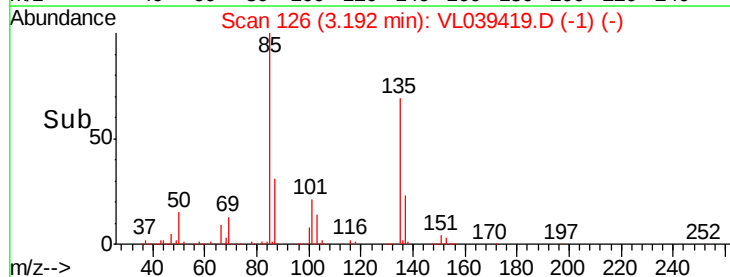
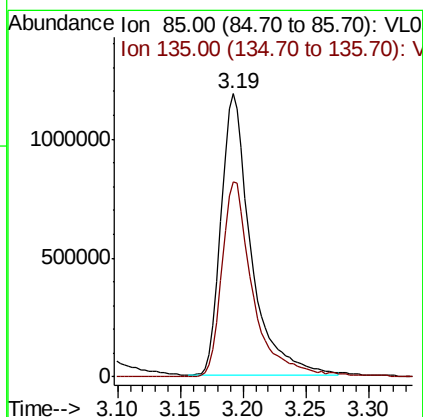
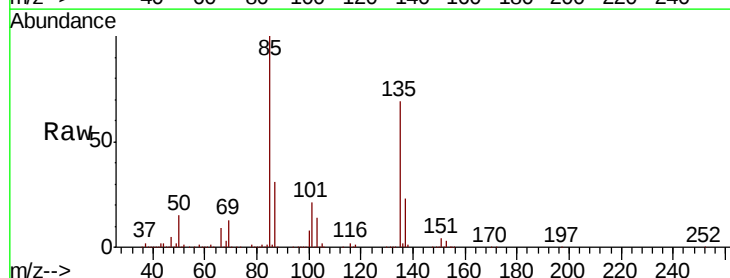
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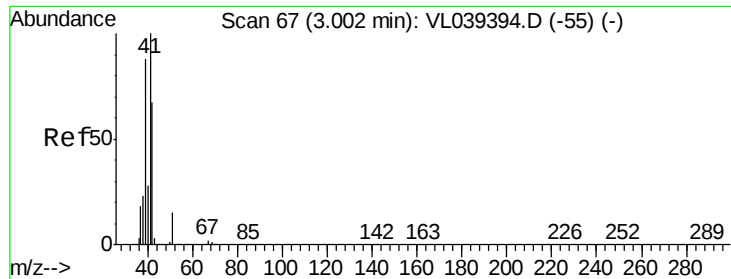
Tgt Ion: 85 Resp: 1961563

Ion Ratio Lower Upper

85 100

135 72.9 59.0 88.4





#9

Propene

Concen: 9.293 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

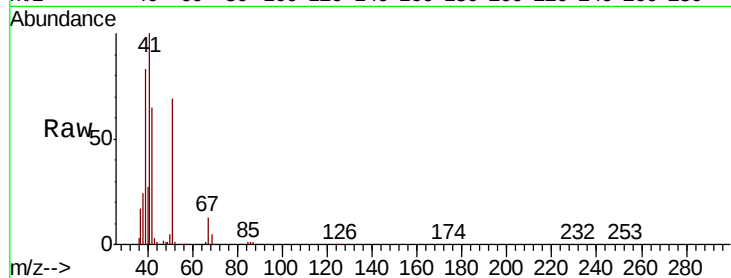
Acq: 5 Jul 2022 13:18 VSTDCCC010

Tot Ion: 41 Resp: 708086

Ion Ratio Lower Upper

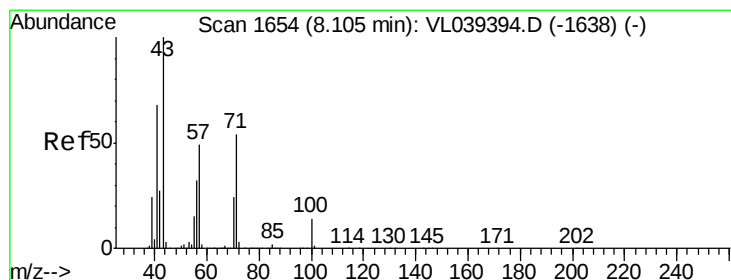
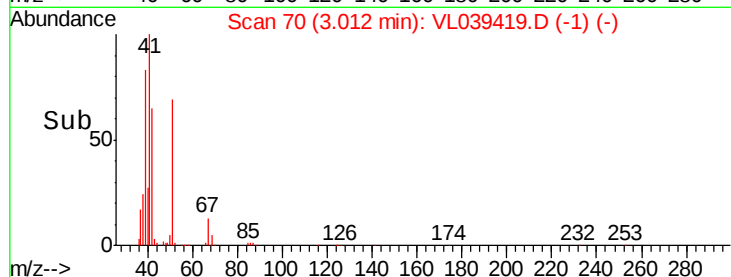
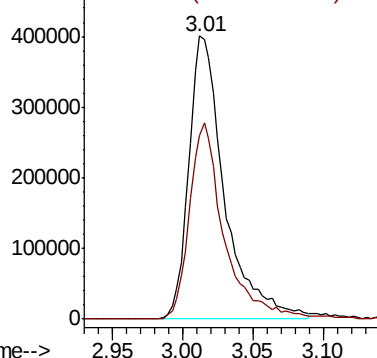
41 100

42 68.1 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.003 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.02 min

Lab File: VL039419.D

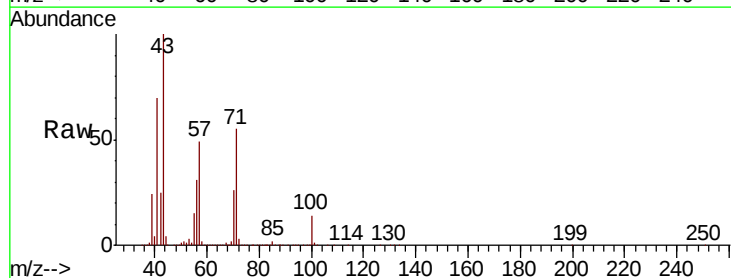
Acq: 5 Jul 2022 13:18

Tgt Ion: 43 Resp: 1785209

Ion Ratio Lower Upper

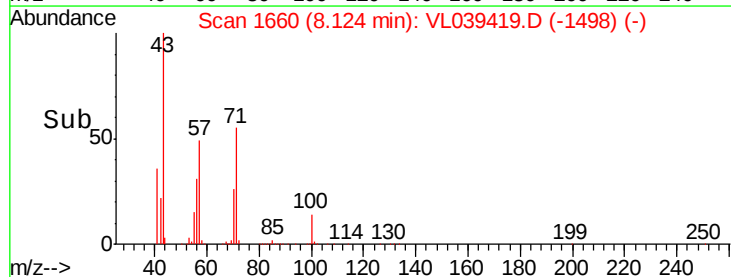
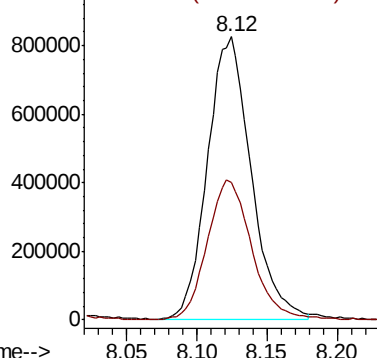
43 100

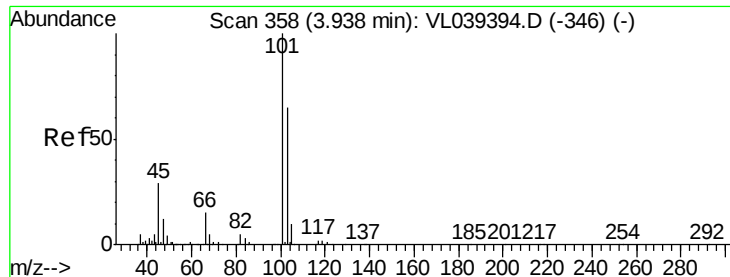
57 50.9 40.5 60.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

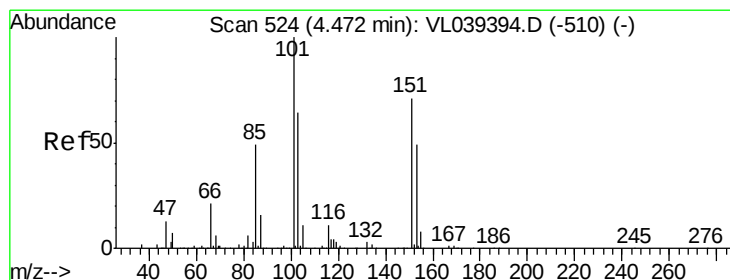
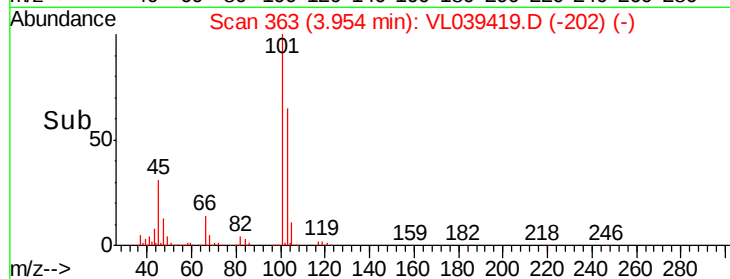
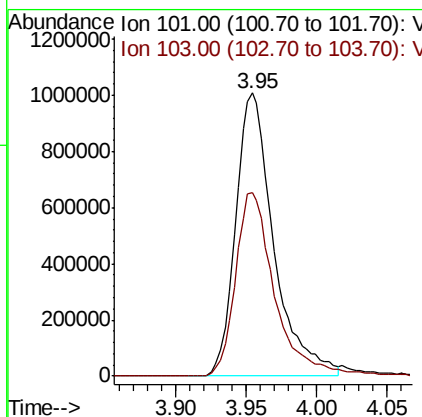
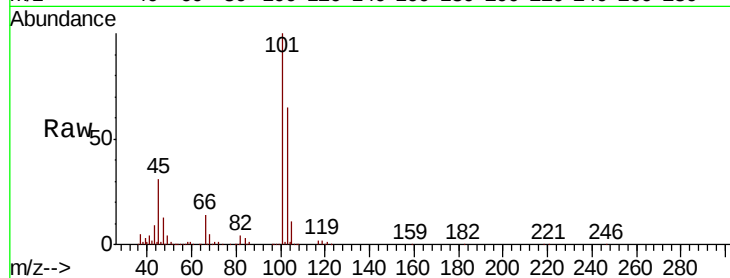
Ion 57.10 (56.80 to 57.80): VL0





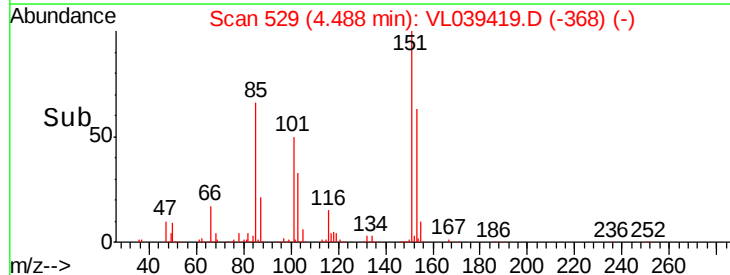
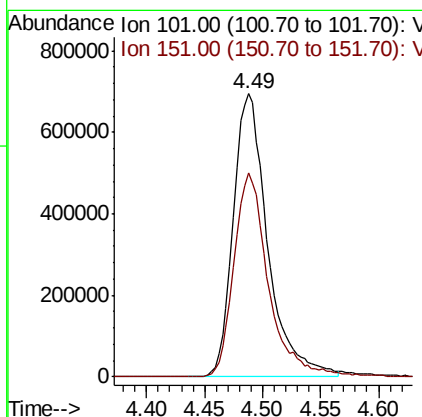
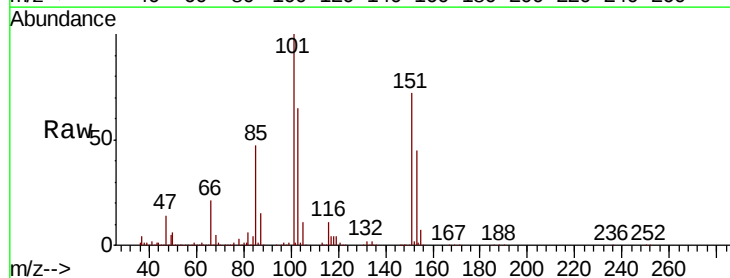
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 Trichlorofluoromethane
 Concen: 8.927 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Jul 2022 13:18

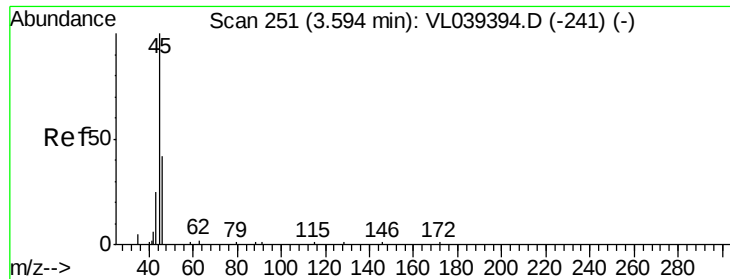
Tot Ion:101 Resp: 1908143
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.996 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL039419.D
 Acq: 5 Jul 2022 13:18

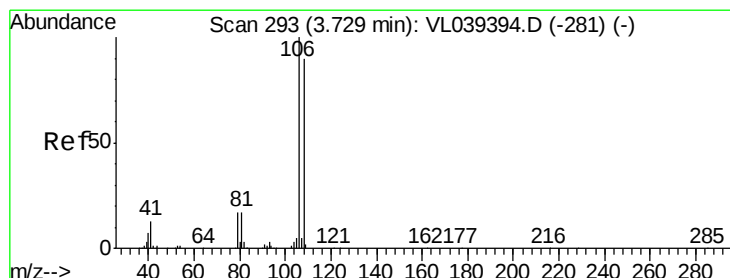
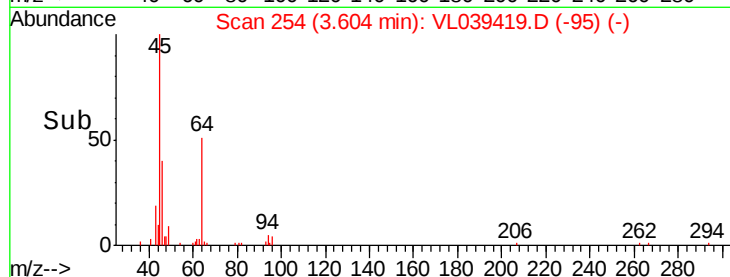
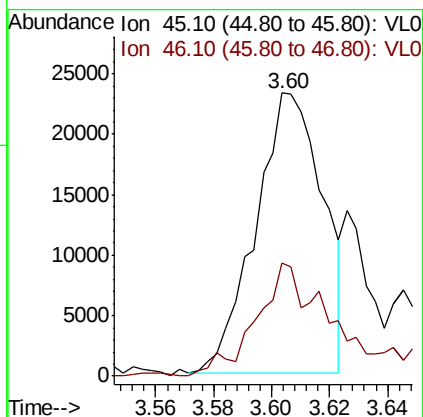
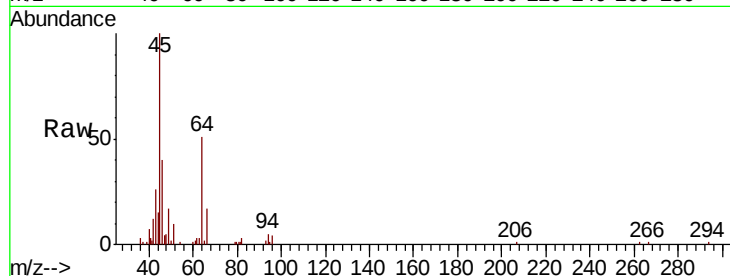
Tgt Ion:101 Resp: 1433457
 Ion Ratio Lower Upper
 101 100
 151 72.8 58.9 88.3





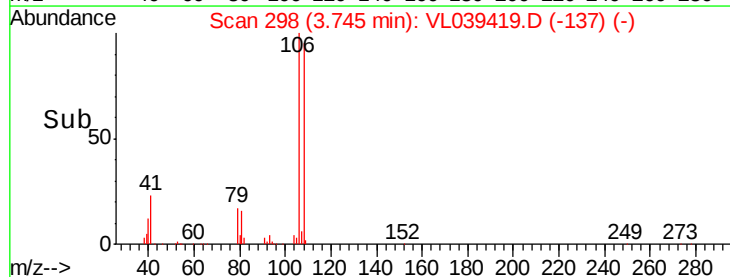
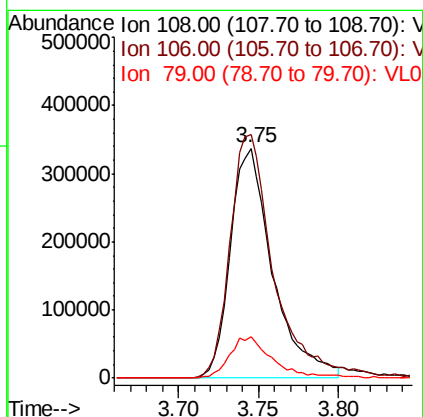
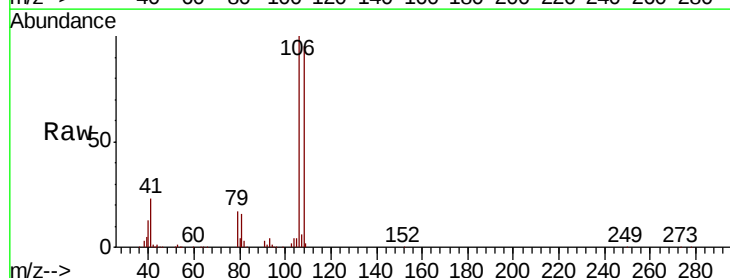
#13
Ethanol
Concen: 8.420 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Jul 2022 13:18

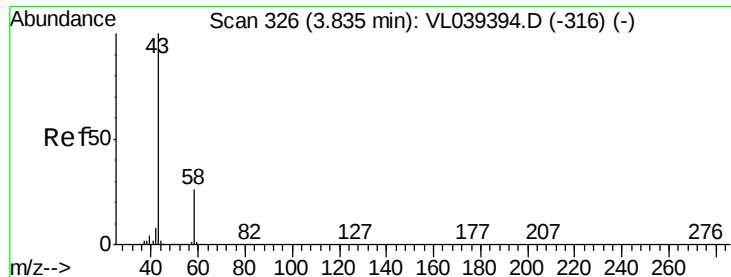
Tot Ion: 45 Resp: 37220
Ion Ratio Lower Upper
45 100
46 56.1 22.8 91.2



#14
Bromoethene
Concen: 9.096 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL039419.D
Acq: 5 Jul 2022 13:18

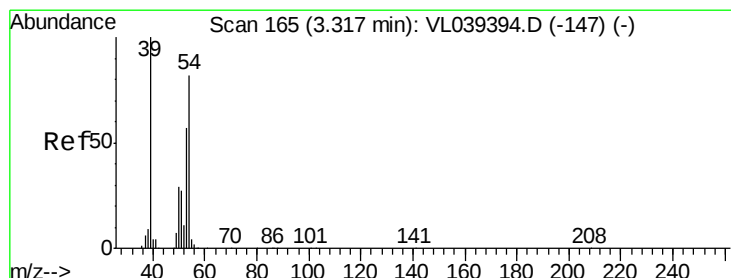
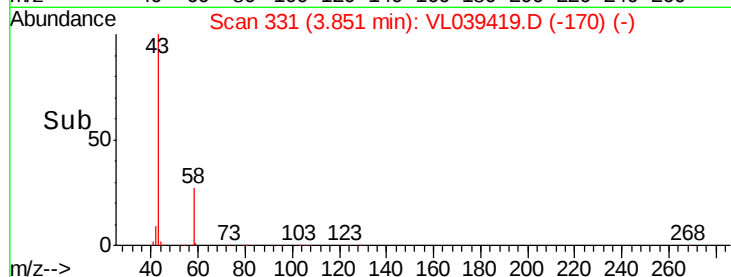
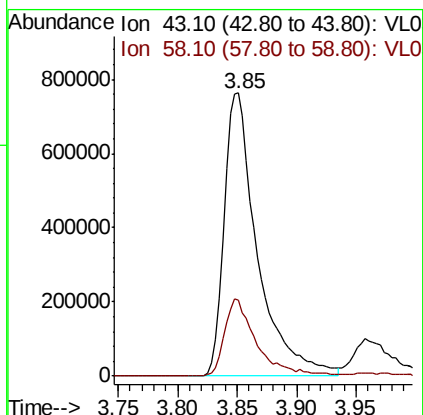
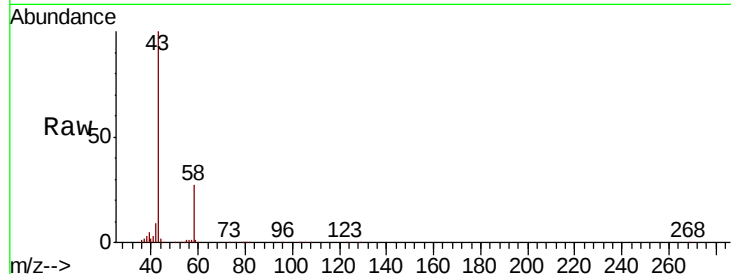
Tgt Ion: 108 Resp: 609347
Ion Ratio Lower Upper
108 100
106 111.3 87.1 130.7
79 18.6 14.6 22.0





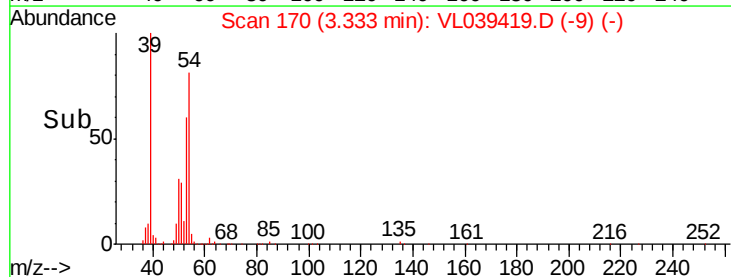
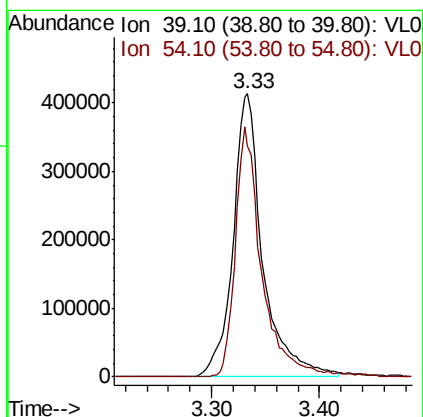
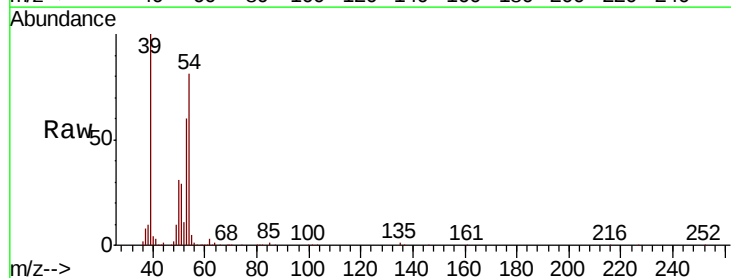
#15
Acetone
Concen: 9.404 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Jul 2022 13:18

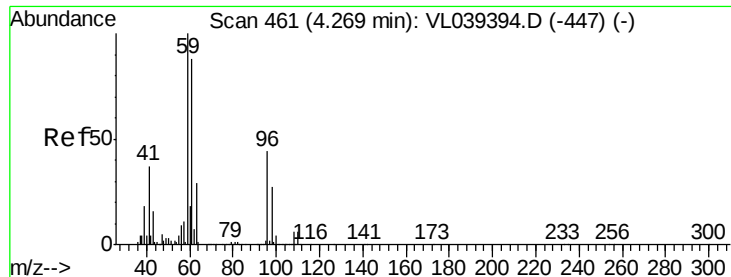
Tot Ion: 43 Resp: 1479470
Ion Ratio Lower Upper
43 100
58 26.3 21.0 31.6



#16
1,3-Butadiene
Concen: 9.735 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.02 min
Lab File: VL039419.D
Acq: 5 Jul 2022 13:18

Tgt Ion: 39 Resp: 794672
Ion Ratio Lower Upper
39 100
54 78.9 63.7 95.5





#17

tert-Butyl alcohol

Concen: 9.879 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

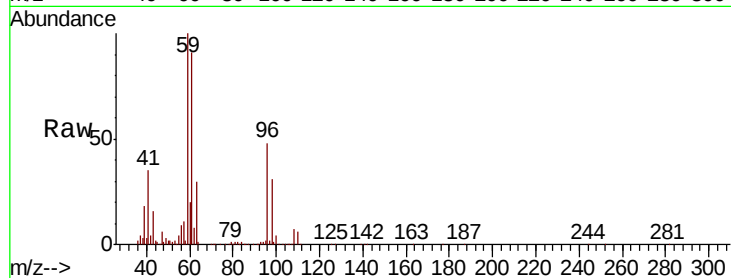
Acq: 5 Jul 2022 13:18 VSTDCCC010

Tot Ion: 59 Resp: 1319200

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

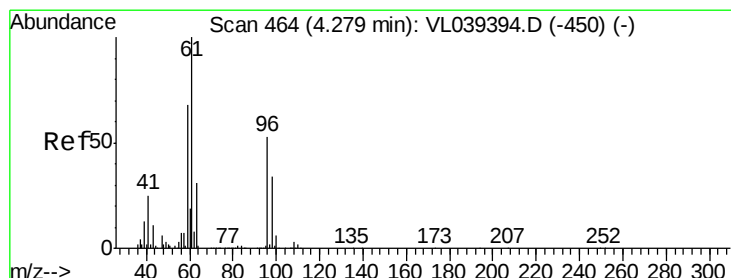
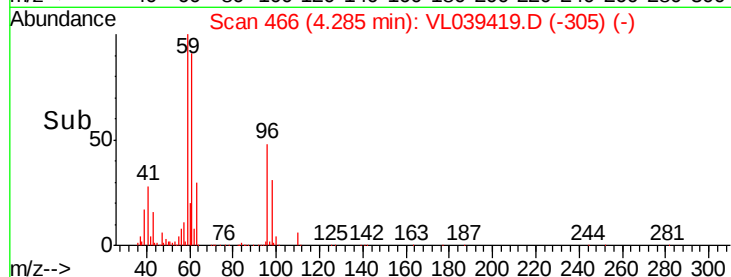
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 9.057 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

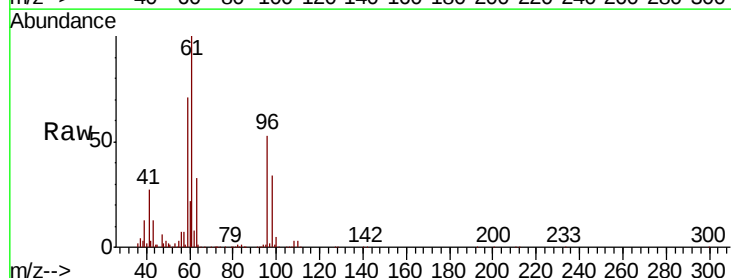
Tgt Ion: 96 Resp: 653827

Ion Ratio Lower Upper

96 100

61 188.2 152.2 228.4

98 63.7 51.8 77.6



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

800000

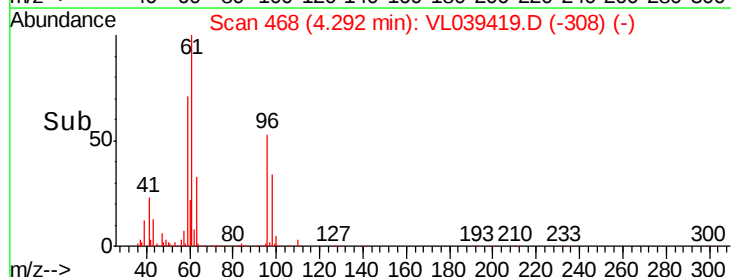
600000

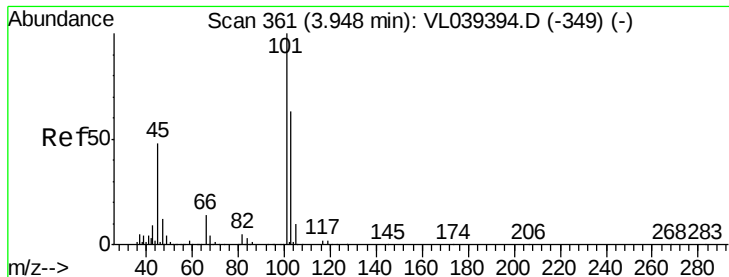
400000

200000

0

Time--> 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 9.475 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

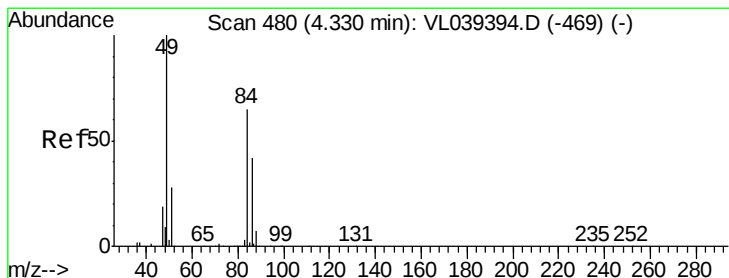
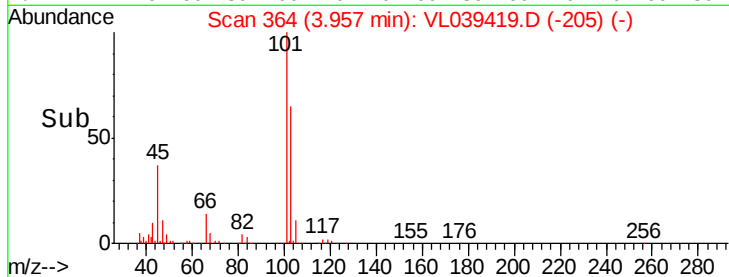
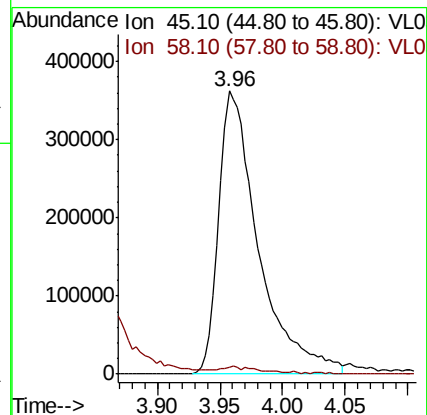
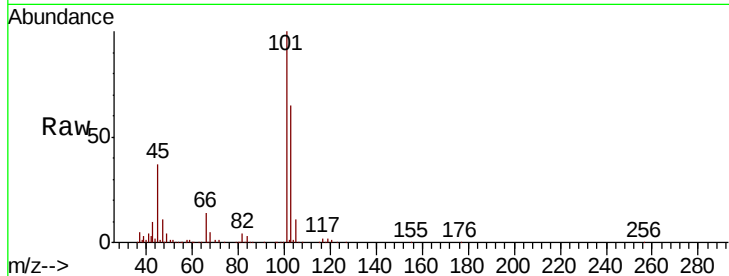
Acq: 5 Jul 2022 13:18 VSTDCCC010

Tot Ion: 45 Resp: 795119

Ion Ratio Lower Upper

45 100

58 3.2 3.2 4.8#



#20

Methylene Chloride

Concen: 8.673 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

Tgt Ion: 84 Resp: 543900

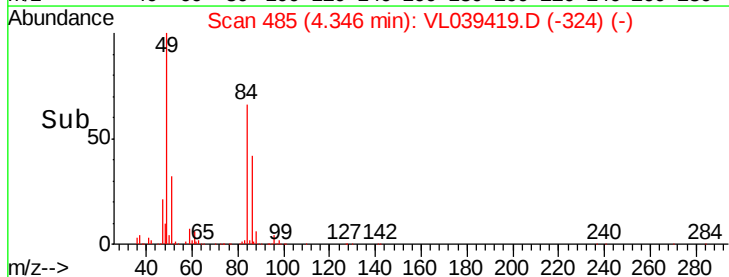
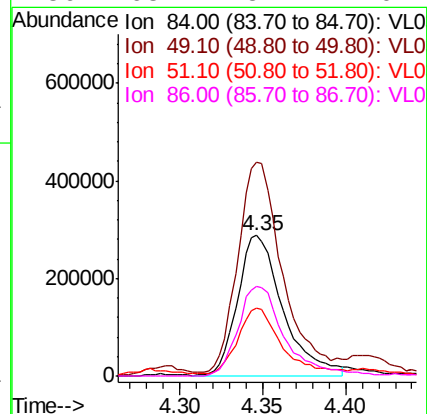
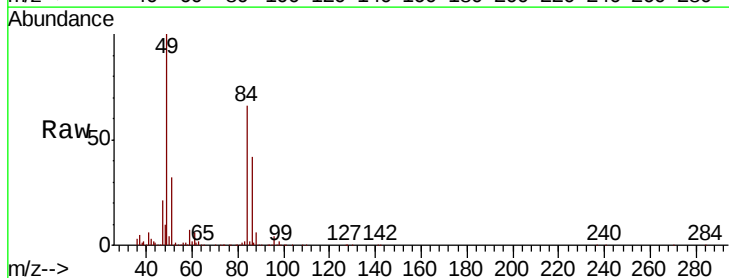
Ion Ratio Lower Upper

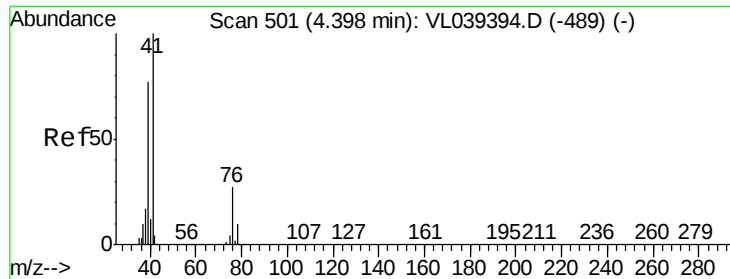
84 100

49 150.1 123.1 184.7

51 47.0 34.4 51.6

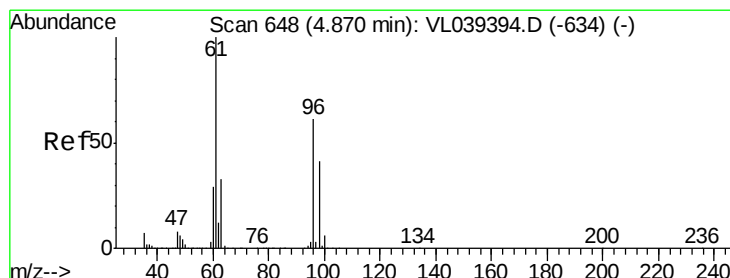
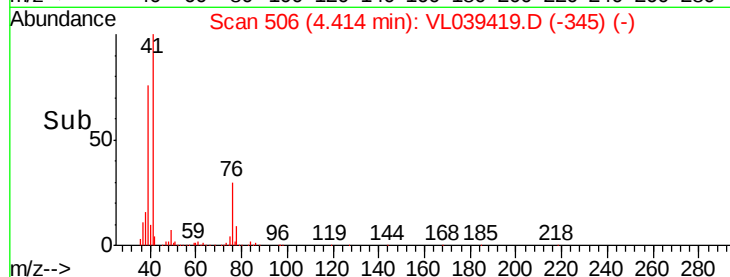
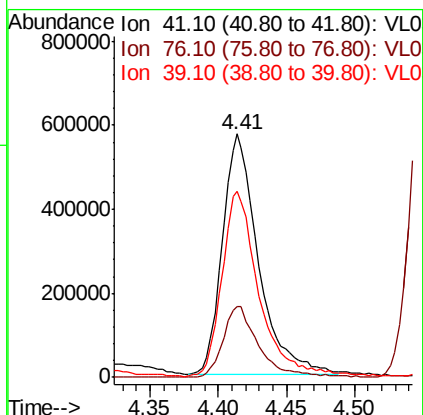
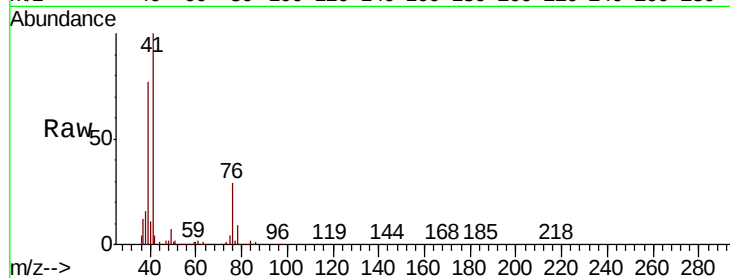
86 63.7 51.1 76.7





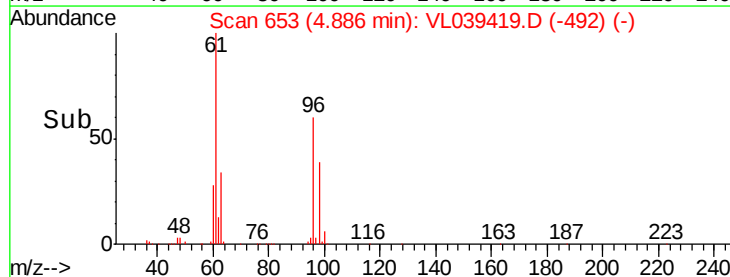
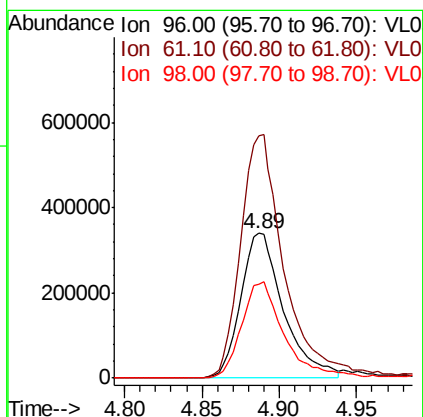
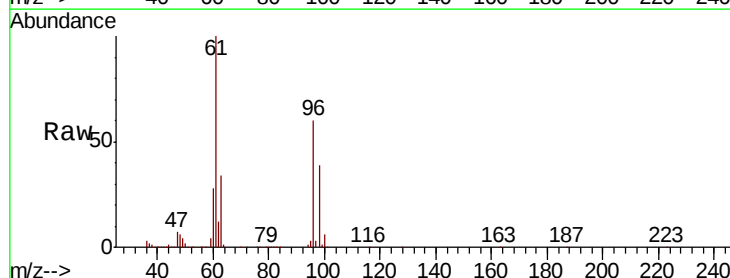
#21
Allvl Chloride
Concen: 9.622 ppbv
RT: 4.41
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Jul 2022 13:18

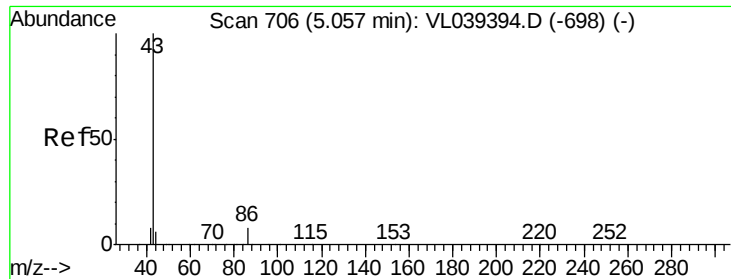
Tot Ion: 41 Resp: 1048438
Ion Ratio Lower Upper
41 100
76 29.5 24.4 36.6
39 81.8 63.5 95.3



#22
trans-1,2-Dichloroethene
Concen: 9.341 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.02 min
Lab File: VL039419.D
Acq: 5 Jul 2022 13:18

Tgt Ion: 96 Resp: 652705
Ion Ratio Lower Upper
96 100
61 166.9 130.6 195.8
98 65.1 53.4 80.0





#23

Vinyl Acetate

Concen: 10.510 ppbv

RT: 5.07 Instrument: MSVOA_1

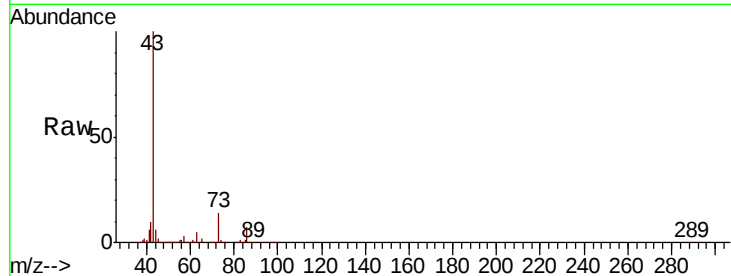
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

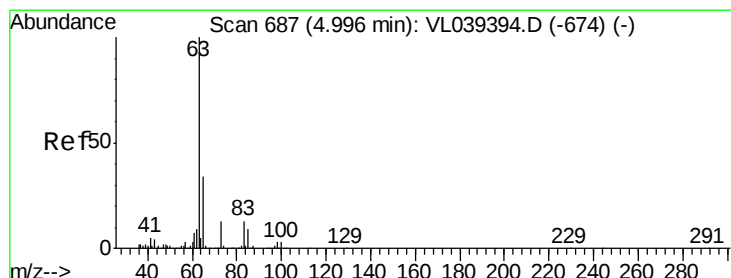
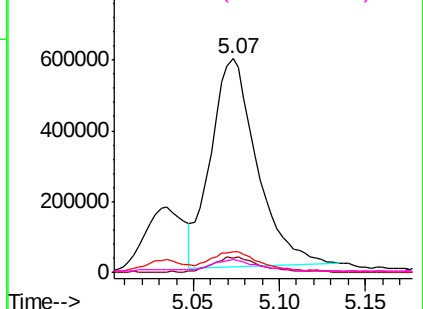
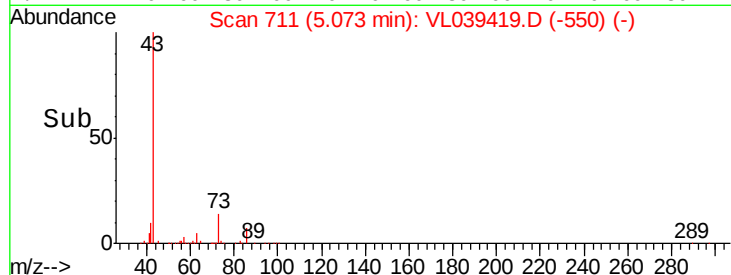
Acq: 5 Jul 2022 13:18

Tot Ion: 43 Resp: 1105027

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.0	7.6
42	9.9	7.7	11.5
44	5.6	4.6	7.0



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



#24

1,1-Dichloroethane

Concen: 9.960 ppbv

RT: 5.01 min Scan# 692

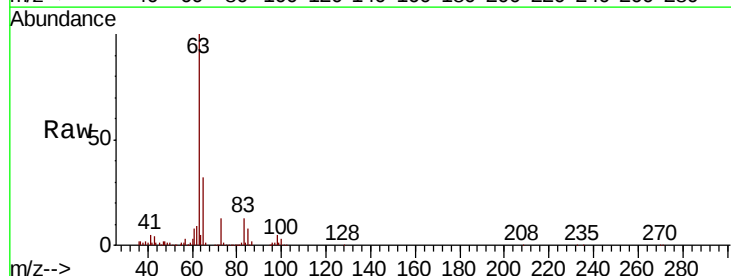
Delta R.T. 0.02 min

Lab File: VL039419.D

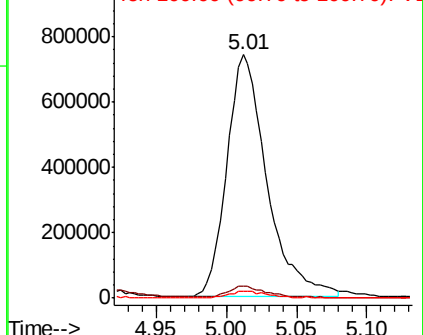
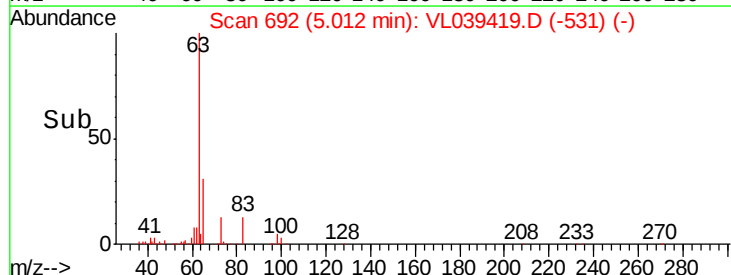
Acq: 5 Jul 2022 13:18

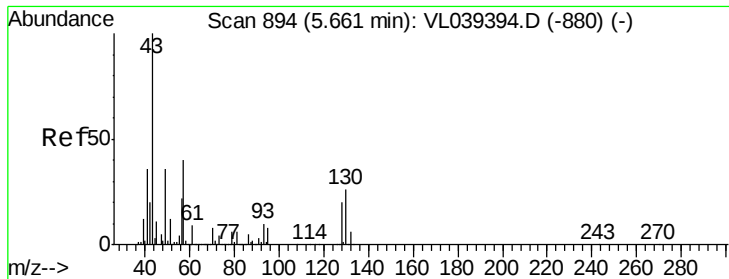
Tgt Ion: 63 Resp: 1479049

Ion	Ratio	Lower	Upper
63	100		
98	4.5	1.8	5.3
100	2.8	1.5	4.4



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

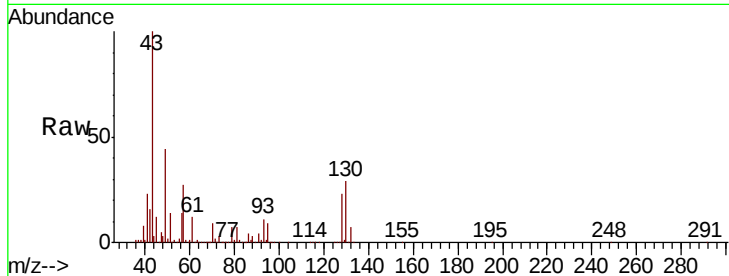




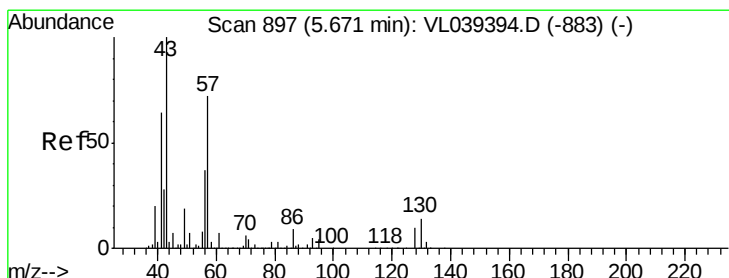
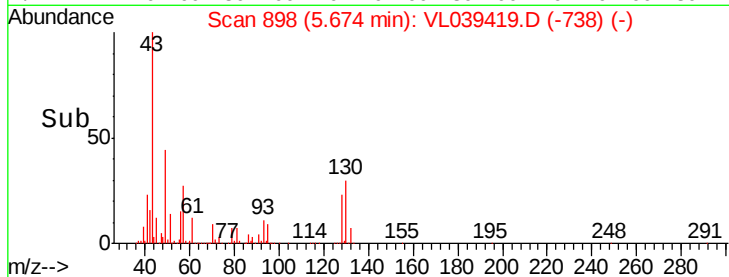
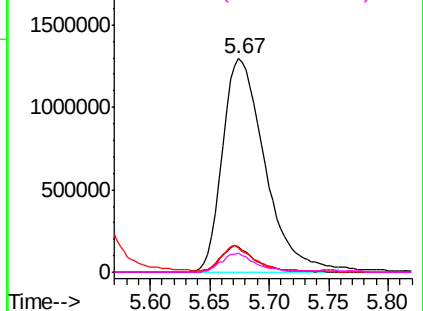
#25
Ethyl Acetate
Concen: 9.888 ppbv
RT: 5.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Jul 2022 13:18

Tot Ion: 43 Resp: 3189829

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	10.4	8.3	12.5
70	7.4	5.9	8.9



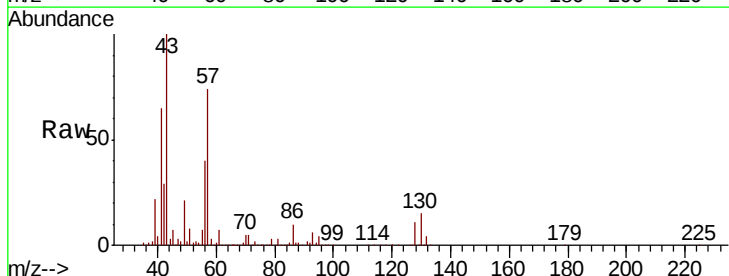
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



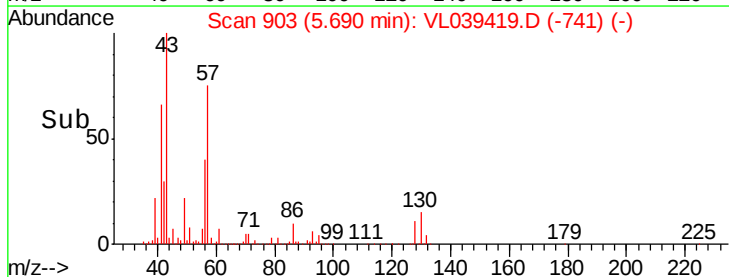
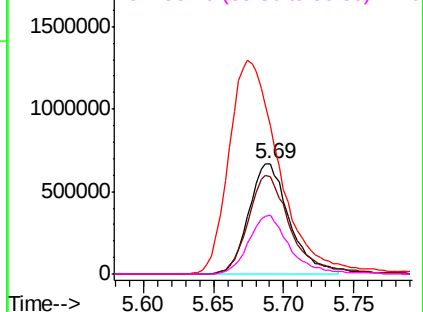
#26
Hexane
Concen: 10.366 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL039419.D
Acq: 5 Jul 2022 13:18

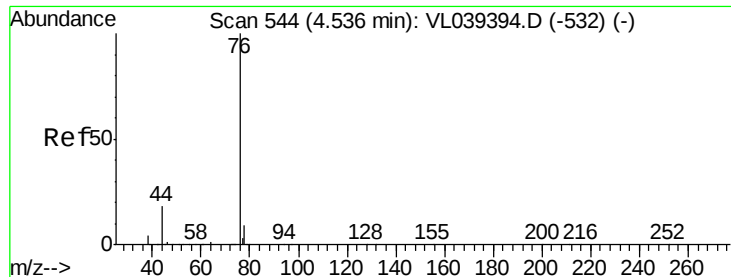
Tgt Ion: 57 Resp: 1347959

Ion	Ratio	Lower	Upper
57	100		
41	94.4	76.9	115.3
43	241.6	191.0	286.6
56	53.9	43.2	64.8



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: 10.363 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 5 Jul 2022 13:18

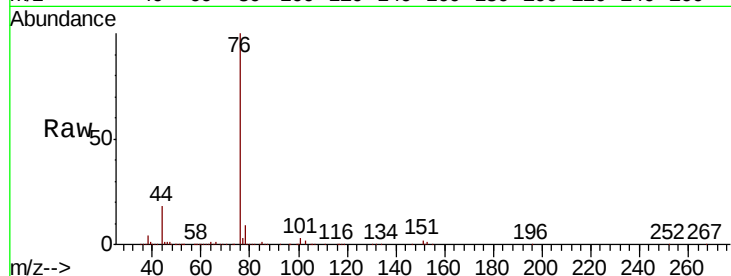
Tot Ion: 76 Resp: 1626534

Ion Ratio Lower Upper

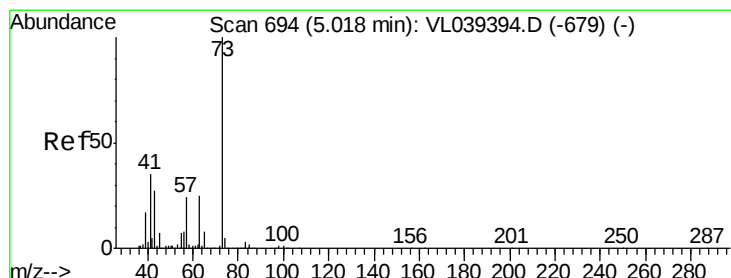
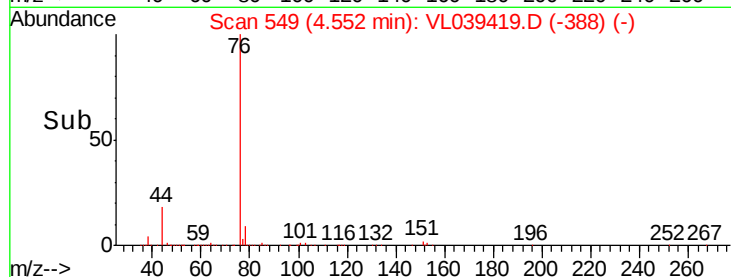
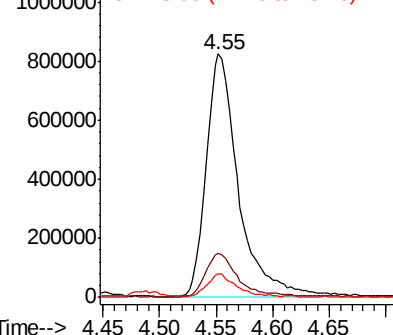
76 100

44 18.7 14.6 21.8

78 9.4 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: 10.572 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.02 min

Lab File: VL039419.D

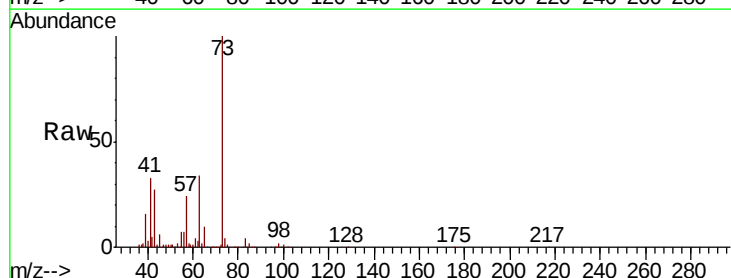
Acq: 5 Jul 2022 13:18

Tgt Ion: 73 Resp: 1469842

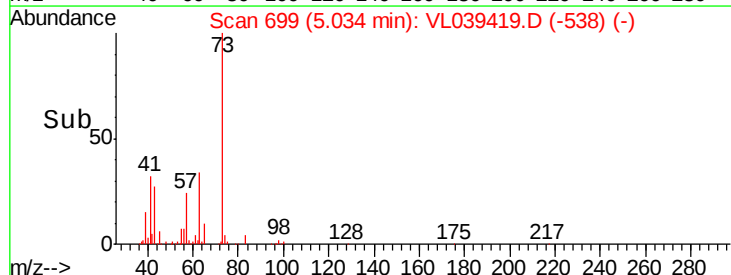
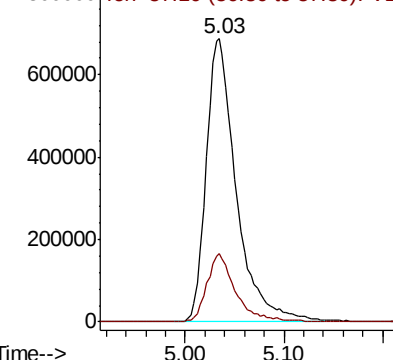
Ion Ratio Lower Upper

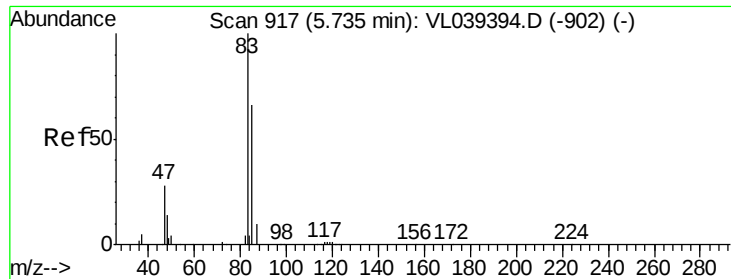
73 100

57 23.1 19.8 29.8



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





#29

Chloroform

Concen: 9.307 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

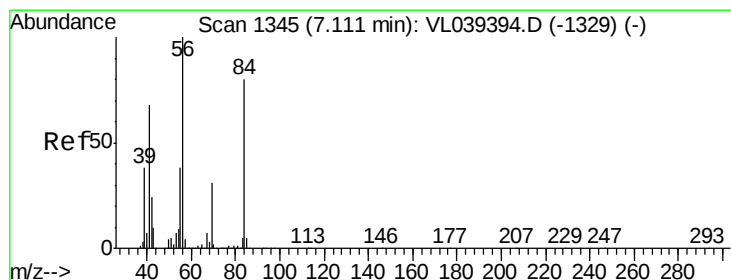
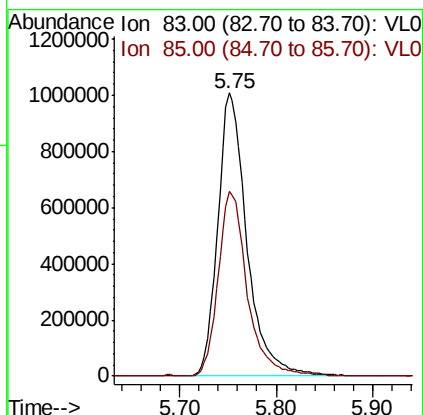
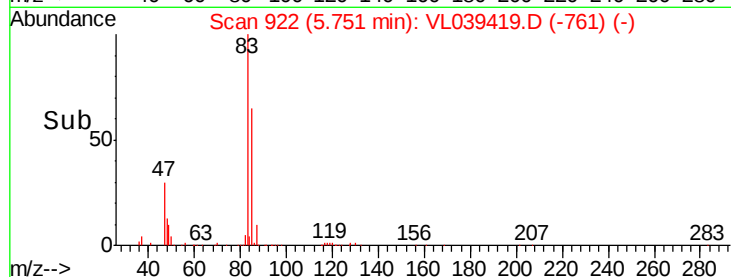
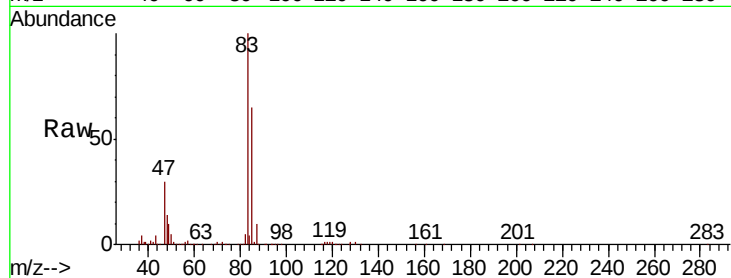
Acq: 5 Jul 2022 13:18 VSTDCCC010

Tot Ion: 83 Resp: 2104383

Ion Ratio Lower Upper

83 100

85 65.4 52.8 79.2



#30

Cyclohexane

Concen: 9.904 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

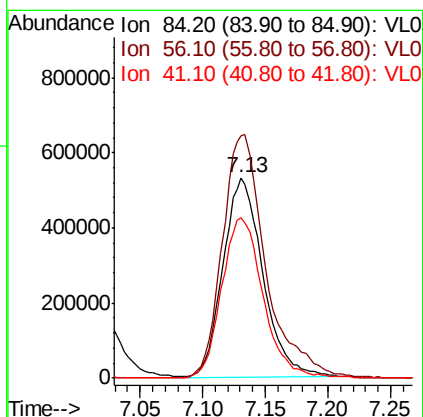
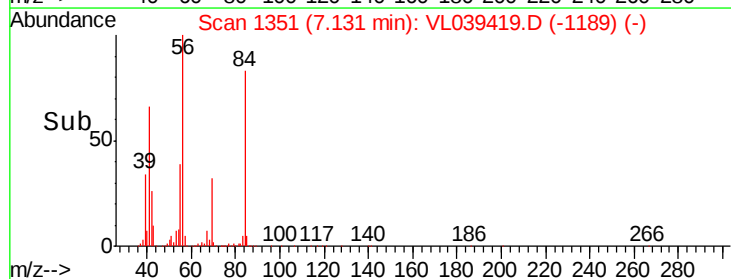
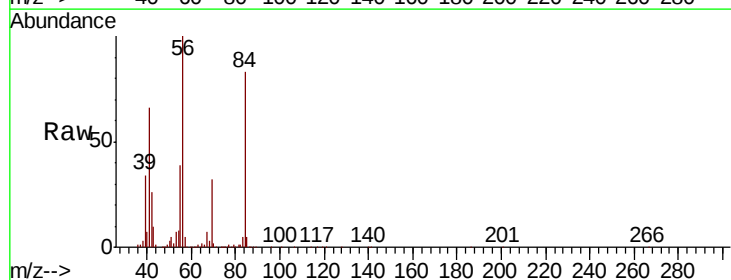
Tgt Ion: 84 Resp: 1172492

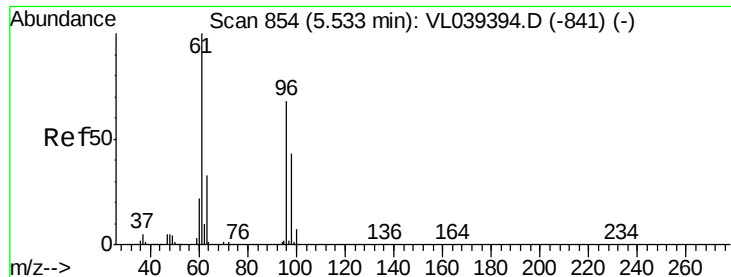
Ion Ratio Lower Upper

84 100

56 133.9 107.7 161.5

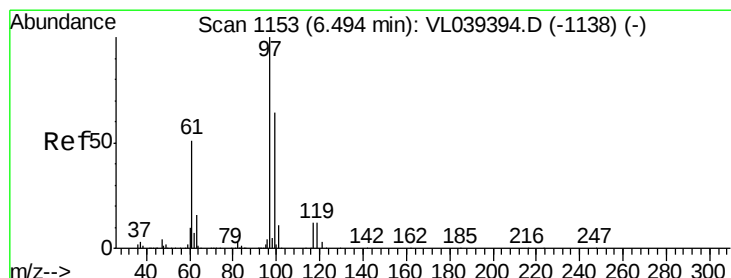
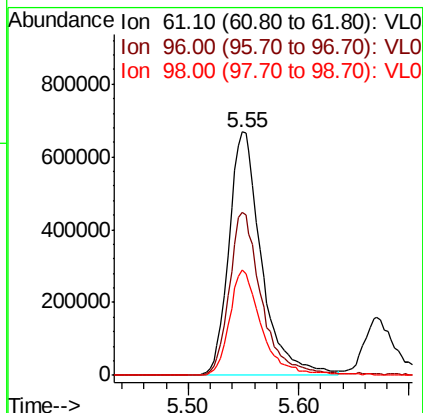
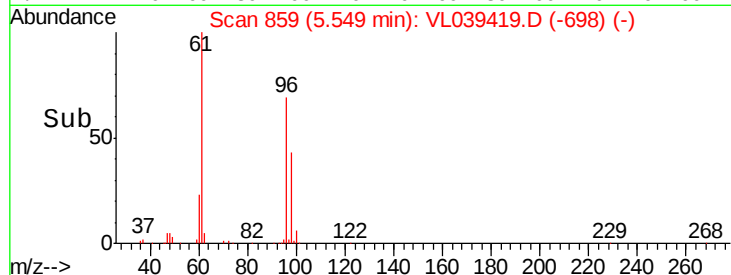
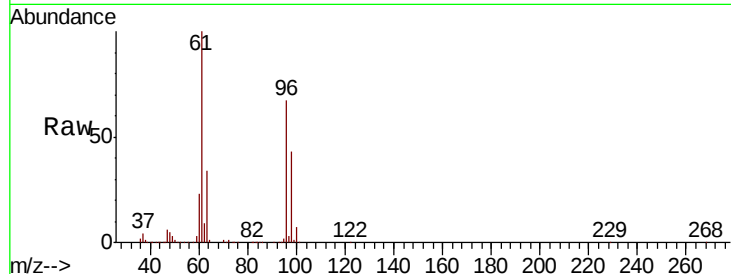
41 84.0 67.7 101.5





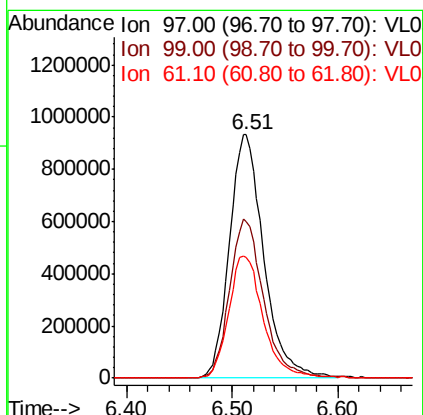
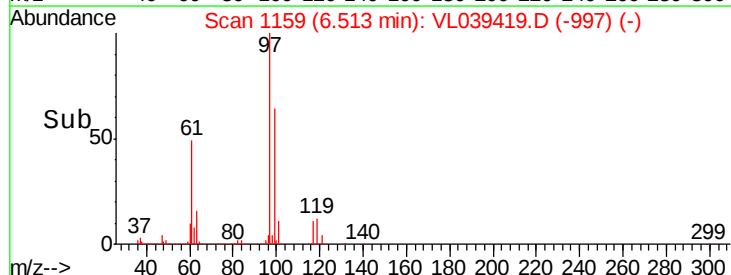
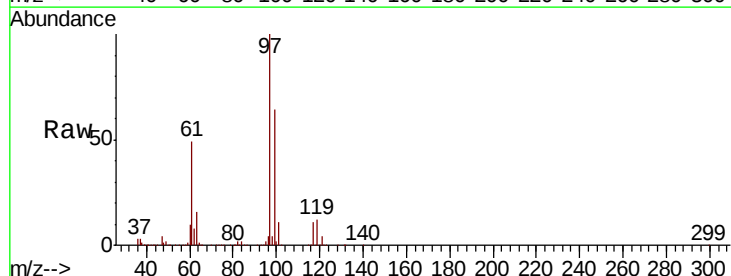
#31
 cis-1,2-Dichloroethene
 Concen: 9.905 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 5 Jul 2022 13:18

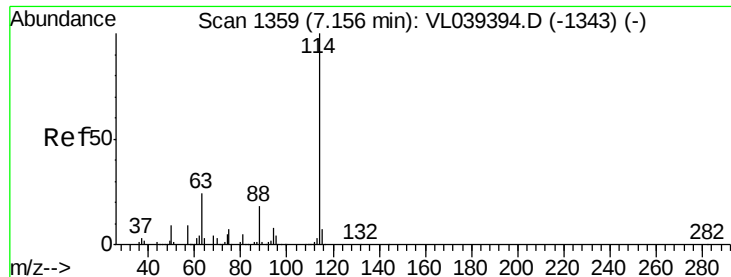
Tot Ion: 61 Resp: 1366681
 Ion Ratio Lower Upper
 61 100
 96 66.9 54.1 81.1
 98 43.3 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 9.405 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.02 min
 Lab File: VL039419.D
 Acq: 5 Jul 2022 13:18

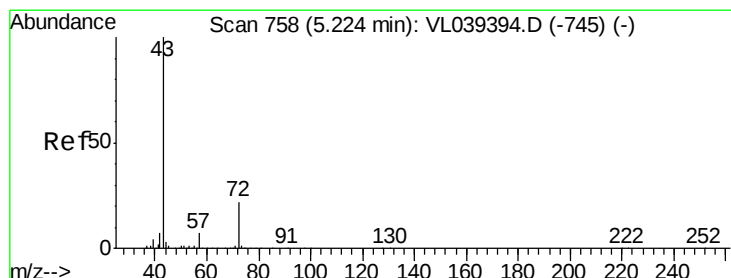
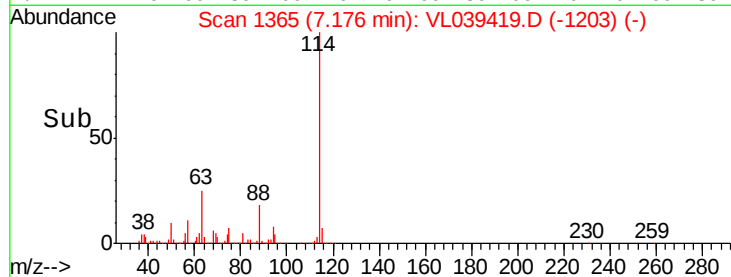
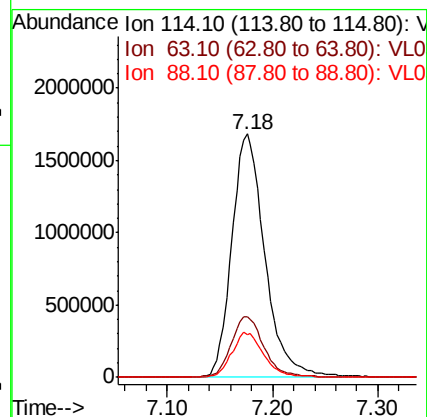
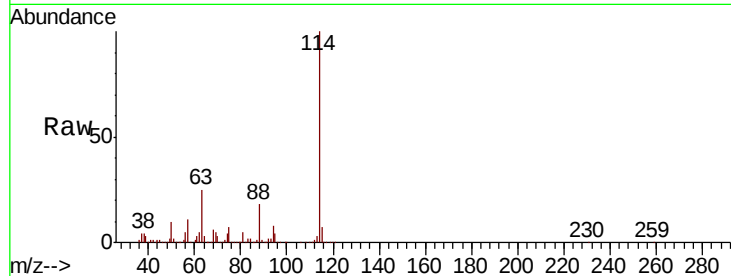
Tgt Ion: 97 Resp: 2099088
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.3 78.5
 61 51.0 40.9 61.3





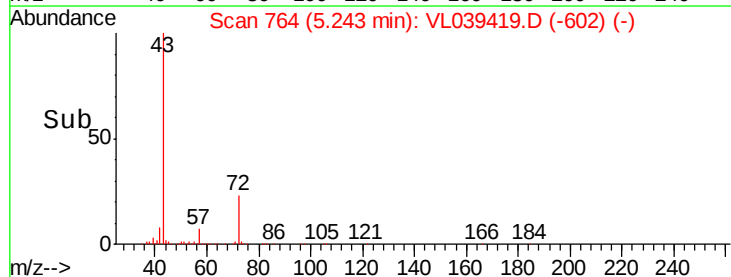
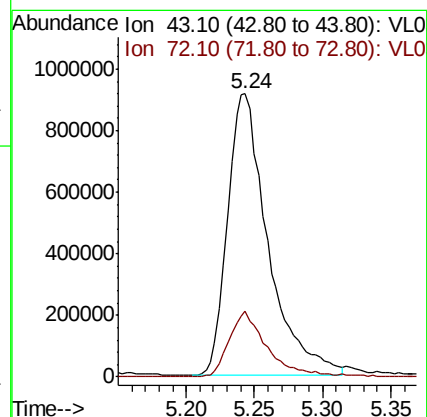
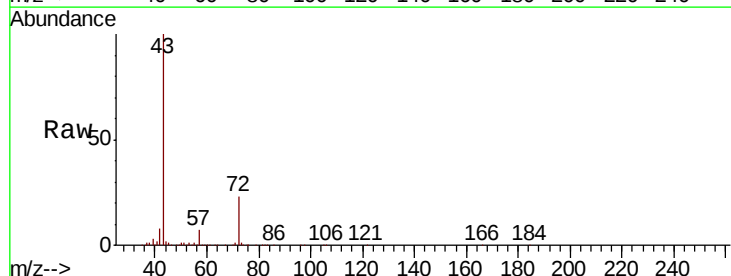
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Jul 2022 13:18

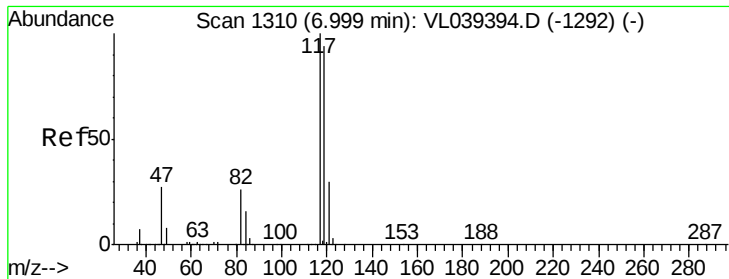
Tot Ion:114 Resp: 3654829
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.2 30.4
 88 18.1 14.5 21.7



#34
 2-Butanone
 Concen: 10.283 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VL039419.D
 Acq: 5 Jul 2022 13:18

Tgt Ion: 43 Resp: 1891765
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.9 26.9

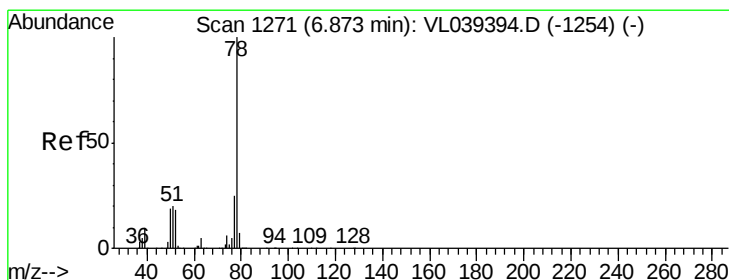
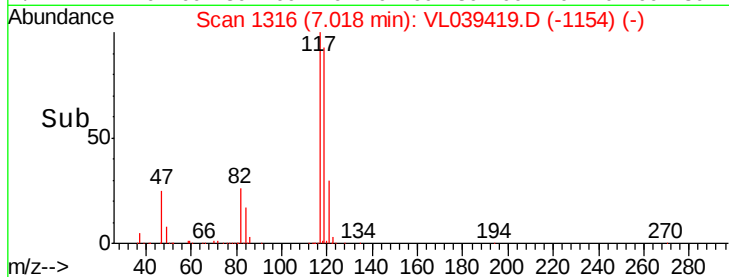
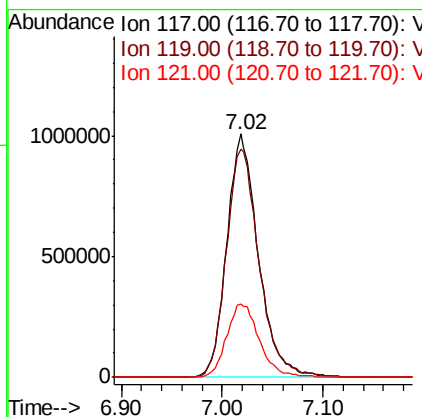
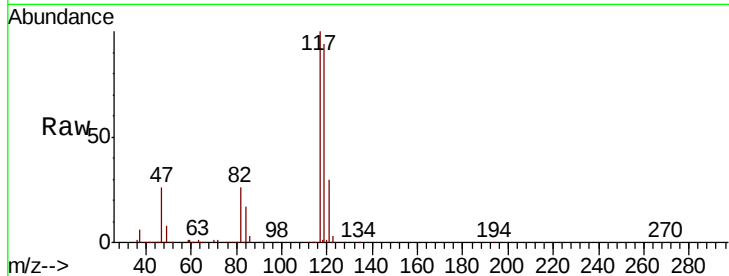




#35
Carbon Tetrachloride
Concen: 9.744 ppbv
RT: 7.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Jul 2022 13:18

Tot Ion:117 Resp: 2200628

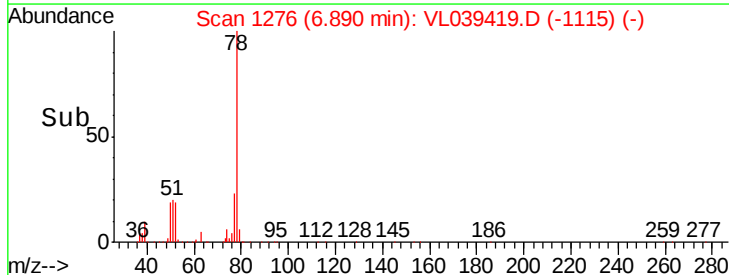
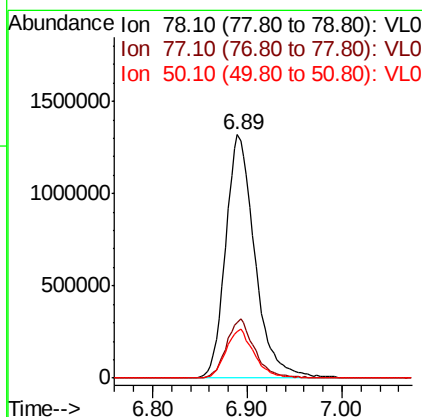
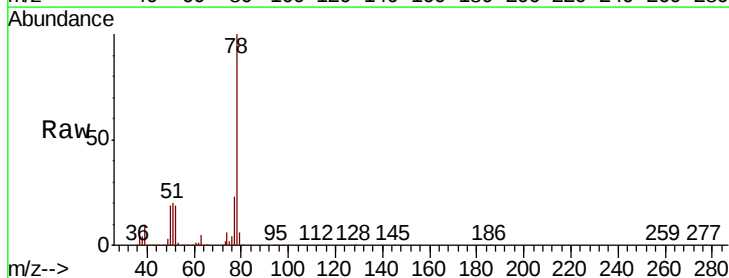
Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.4	113.2
121	30.3	24.2	36.2

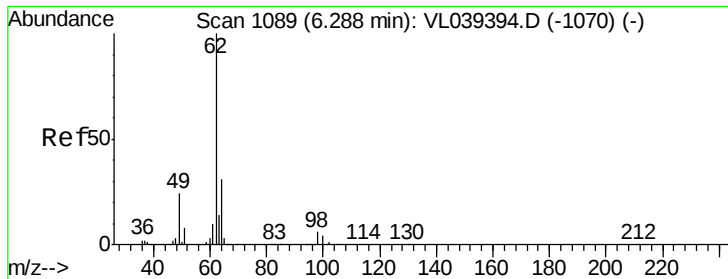


#36
Benzene
Concen: 10.003 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.02 min
Lab File: VL039419.D
Acq: 5 Jul 2022 13:18

Tgt Ion: 78 Resp: 2829538

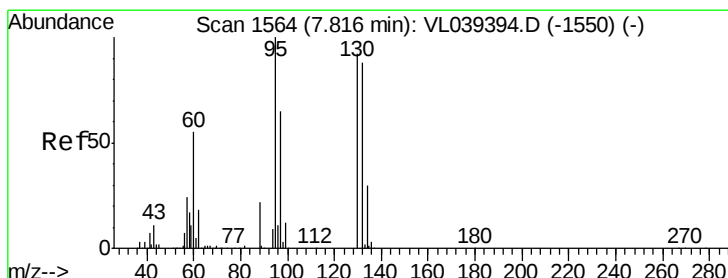
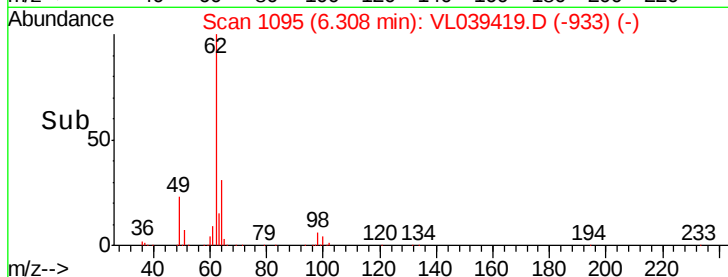
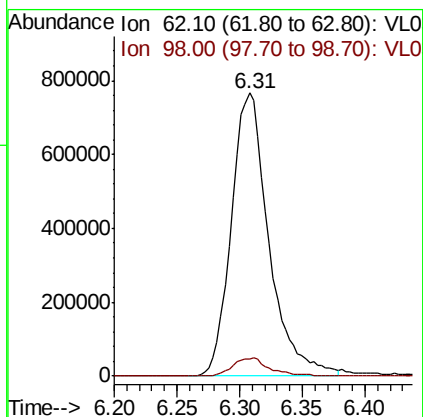
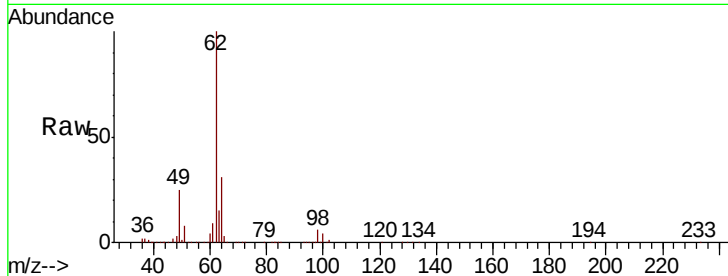
Ion	Ratio	Lower	Upper
78	100		
77	22.6	20.3	30.5
50	19.2	15.5	23.3





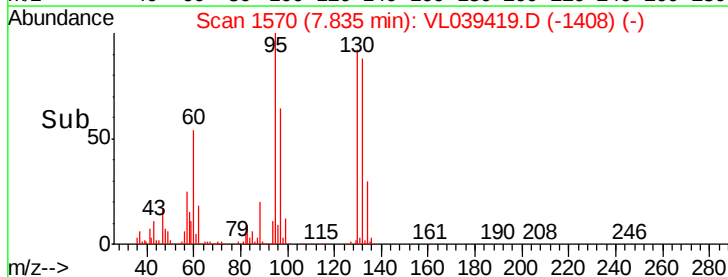
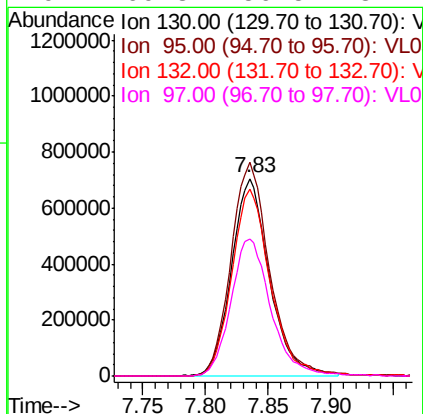
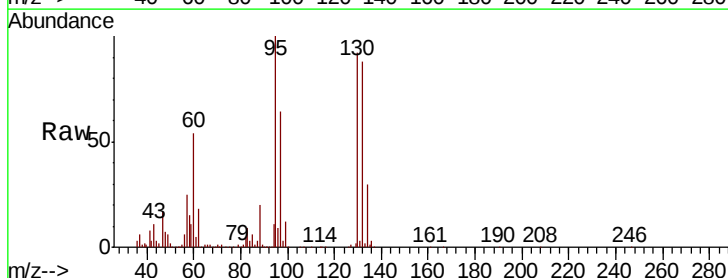
#37
 1,2-Dichloroethane
 Concen: 9.562 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 5 Jul 2022 13:18

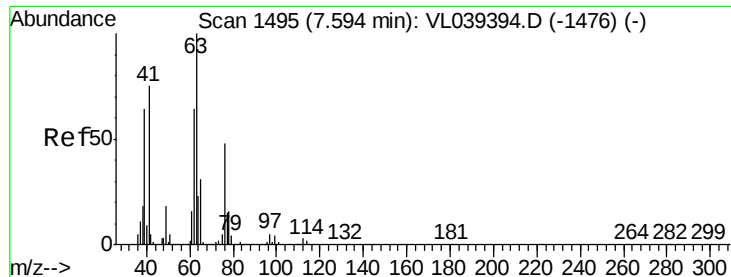
Tot Ion: 62 Resp: 1596414
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.1 7.7



#38
 Trichloroethene
 Concen: 9.613 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.02 min
 Lab File: VL039419.D
 Acq: 5 Jul 2022 13:18

Tgt Ion:130 Resp: 1470707
 Ion Ratio Lower Upper
 130 100
 95 108.4 87.3 130.9
 132 94.9 76.7 115.1
 97 69.3 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.076 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 Jul 2022 13:18 VSTDCCC010

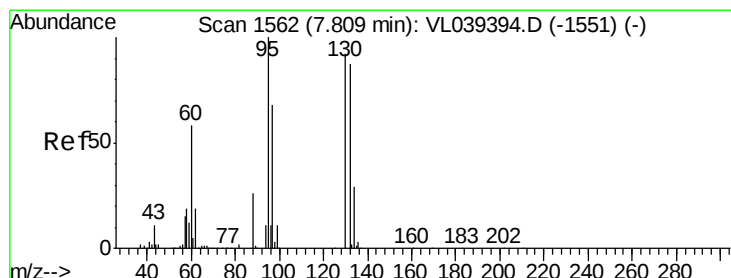
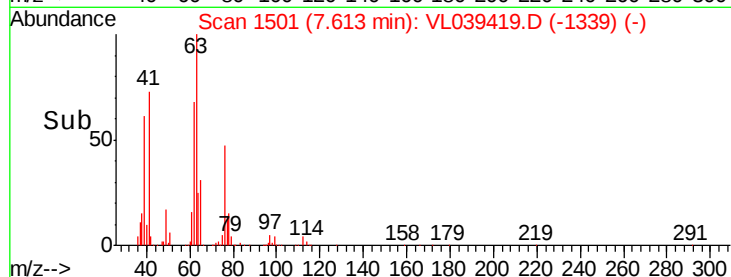
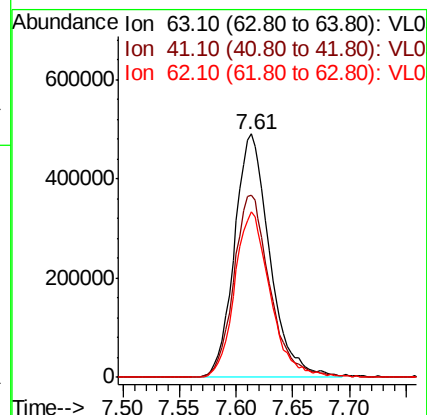
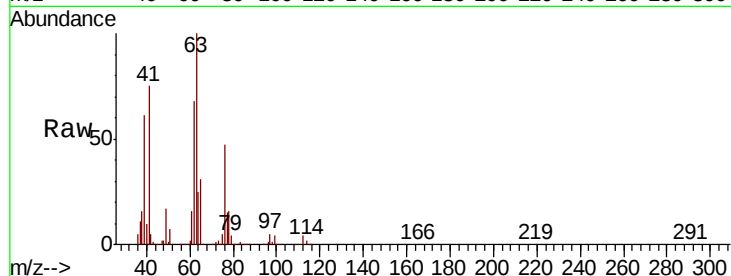
Tot Ion: 63 Resp: 1064767

Ion Ratio Lower Upper

63 100

41 74.7 59.6 89.4

62 68.2 51.4 77.0



#40

1,4-Dioxane

Concen: 9.691 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

Tgt Ion: 88 Resp: 408109

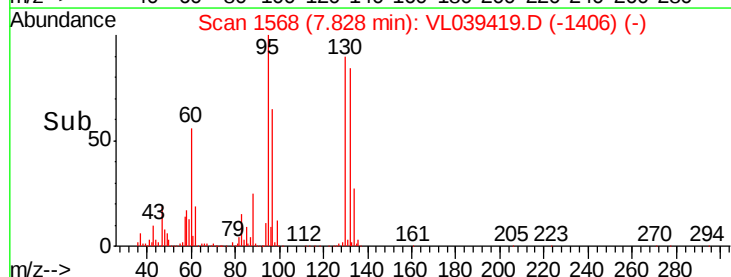
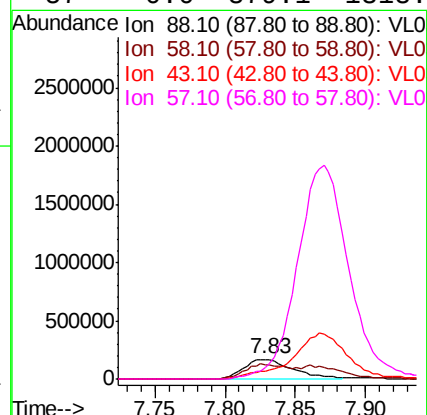
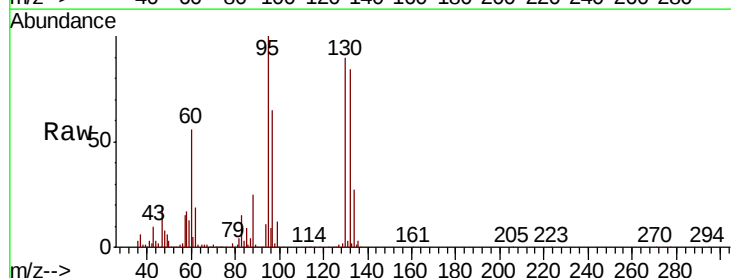
Ion Ratio Lower Upper

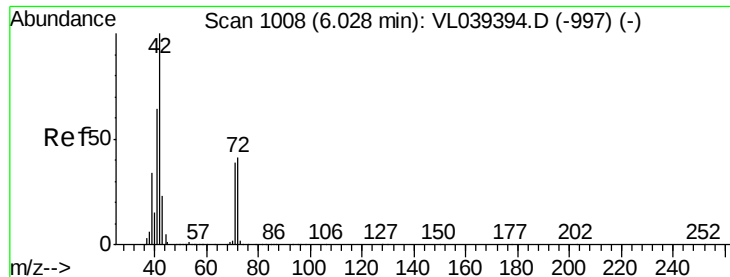
88 100

58 129.3 100.2 150.4

43 0.0 205.8 308.6#

57 0.0 879.1 1318.7#





#41

Tetrahydrofuran

Concen: 10.663 ppbv

RT: 6.05 Instrument:

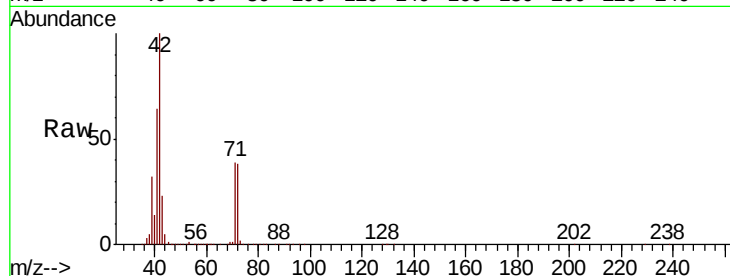
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 13:18 VSTDCCC010

Tot Ion: 42 Resp: 1136781

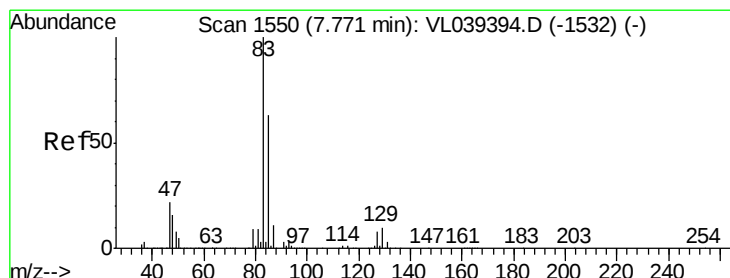
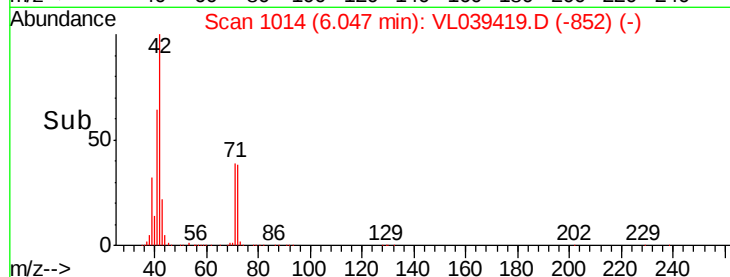
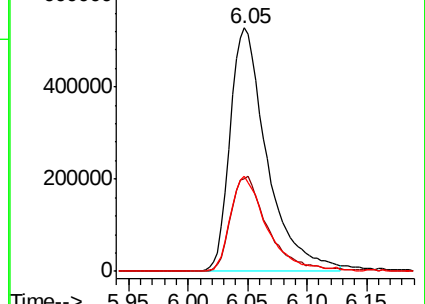
Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.8	47.8
71	39.5	31.8	47.8



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.125 ppbv

RT: 7.79 min Scan# 1556

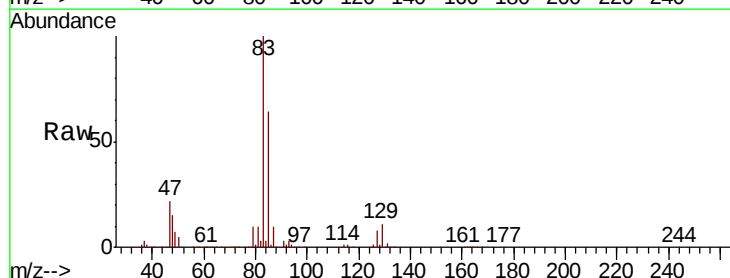
Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

Tgt Ion: 83 Resp: 2279222

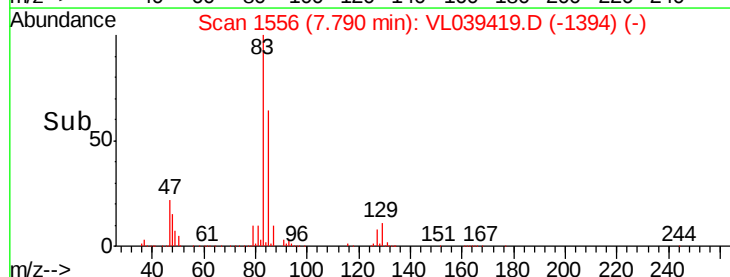
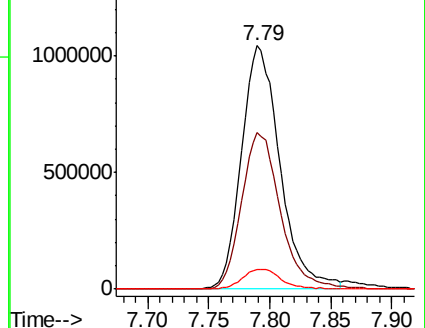
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.7	76.1
127	8.1	6.6	9.8

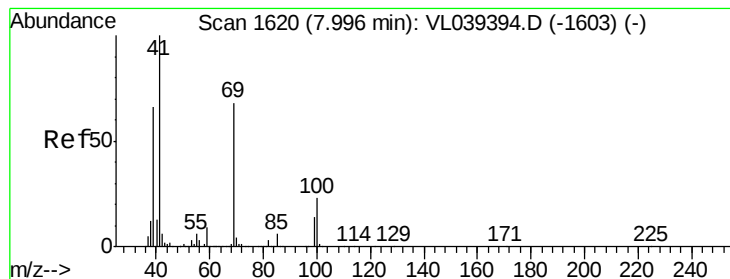


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.570 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 13:18 VSTDCCC010

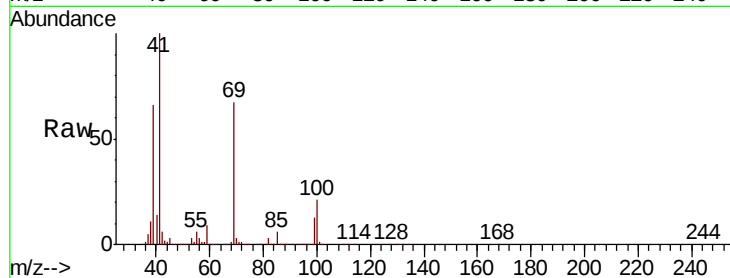
Tot Ion: 69 Resp: 1136830

Ion Ratio Lower Upper

69 100

41 153.1 120.8 181.2

100 35.0 27.8 41.6

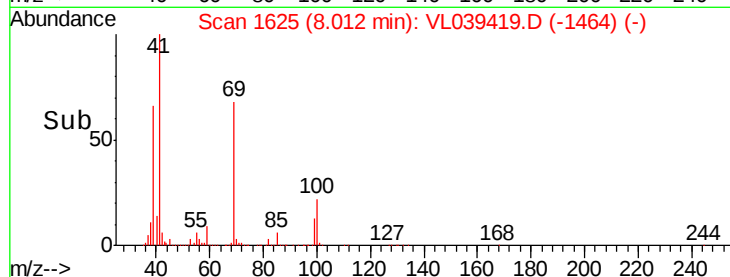


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

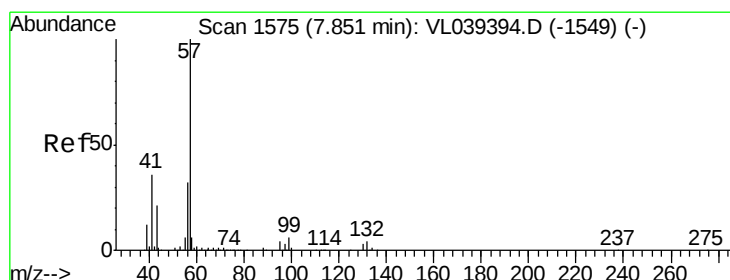
Ion 100.10 (99.80 to 100.80): VL0

Time-->



8.01

Time-->



#44

2,2,4-Trimethylpentane

Concen: 9.814 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

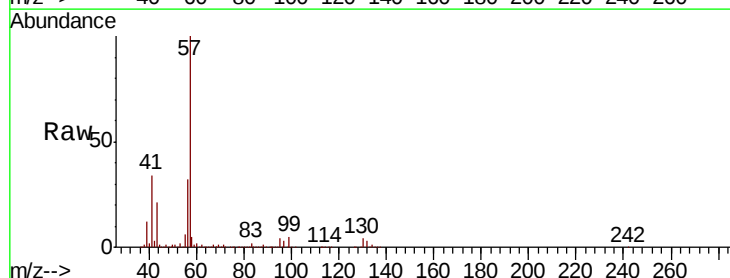
Tgt Ion: 57 Resp: 4704153

Ion Ratio Lower Upper

57 100

41 34.0 27.4 41.2

56 31.2 24.5 36.7

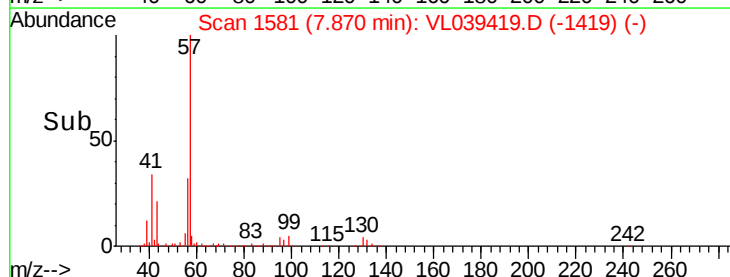


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

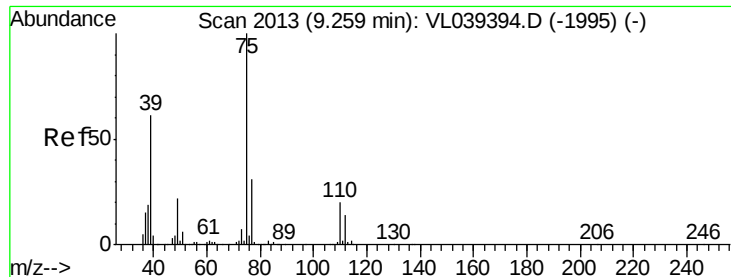
Ion 56.10 (55.80 to 56.80): VL0

Time-->



7.87

Time-->



#45

t-1,3-Dichloropropene

Concen: 12.519 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

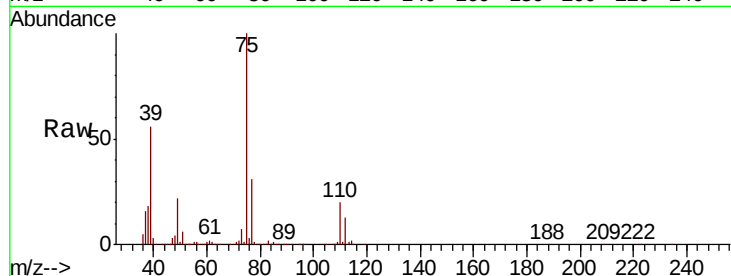
Acq: 5 Jul 2022 13:18 VSTDCCC010

Tot Ion: 75 Resp: 1198900

Ion Ratio Lower Upper

75 100

77 31.2 24.6 36.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

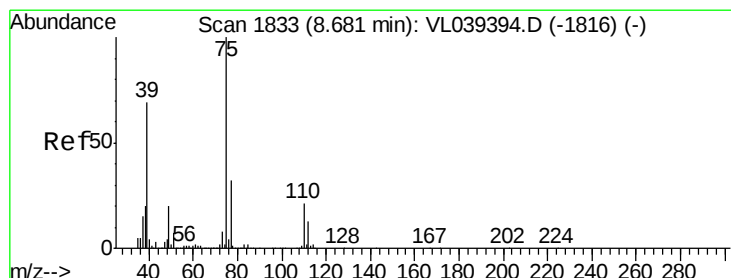
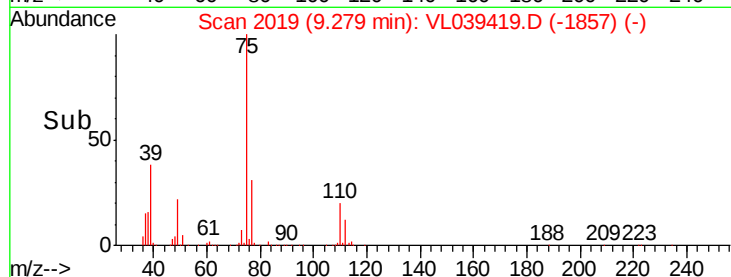
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.723 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

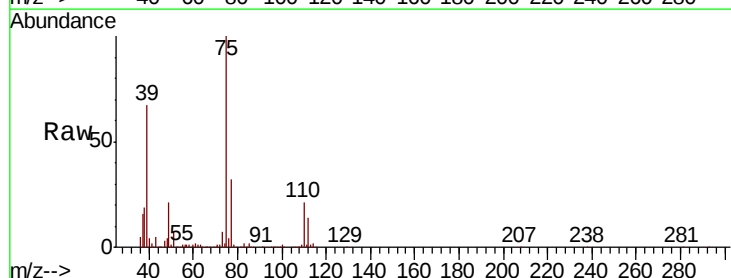
Tgt Ion: 75 Resp: 1545283

Ion Ratio Lower Upper

75 100

39 66.9 55.0 82.4

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

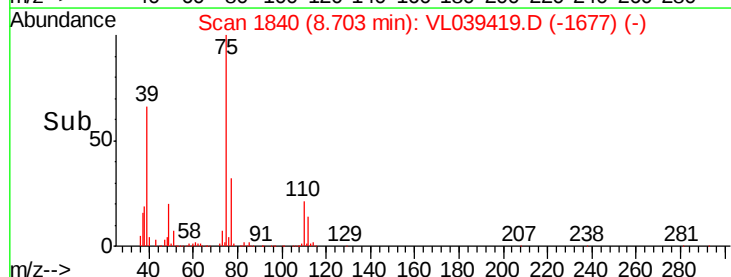
600000

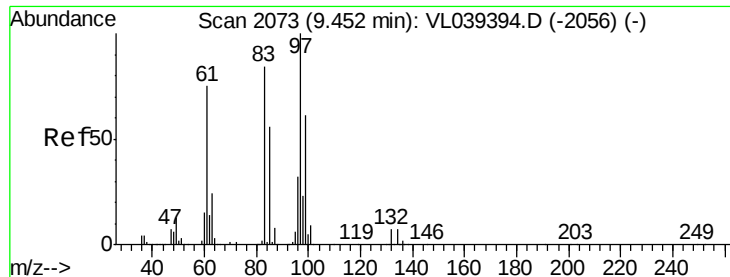
400000

200000

0

Time-->

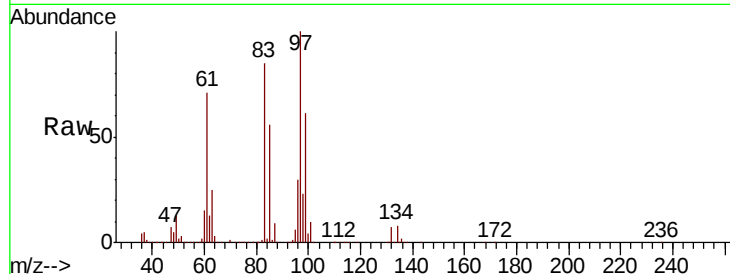




#47
 1,1,2-Trichloroethane
 Concen: 9.805 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 5 Jul 2022 13:18

Tot Ion: 97 Resp: 1162621

Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.4	101.0
85	56.1	45.1	67.7
99	61.5	48.6	73.0



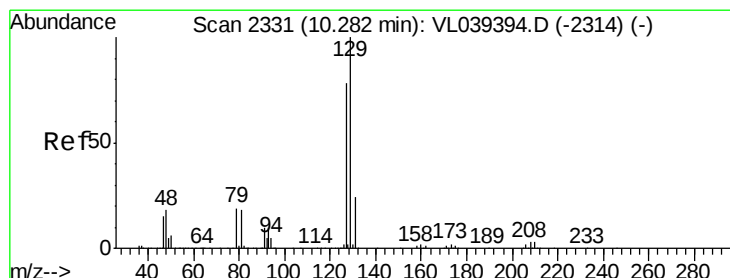
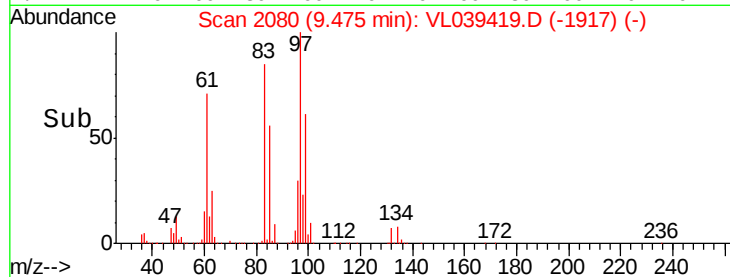
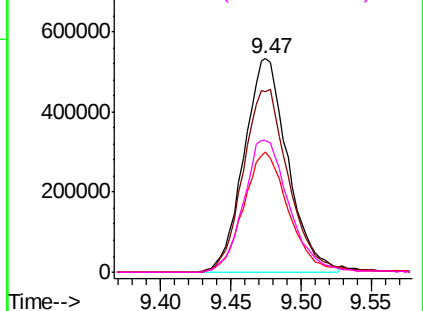
Abundance

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

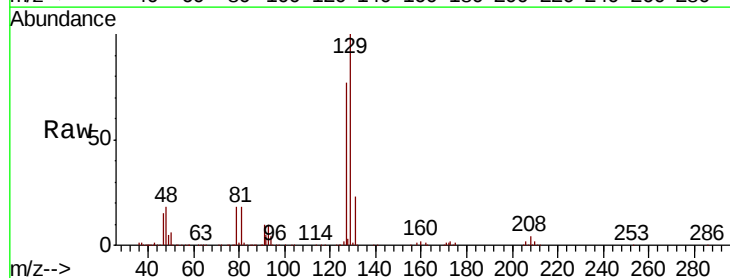
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.827 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.02 min
 Lab File: VL039419.D
 Acq: 5 Jul 2022 13:18

Tgt Ion: 129 Resp: 2040351

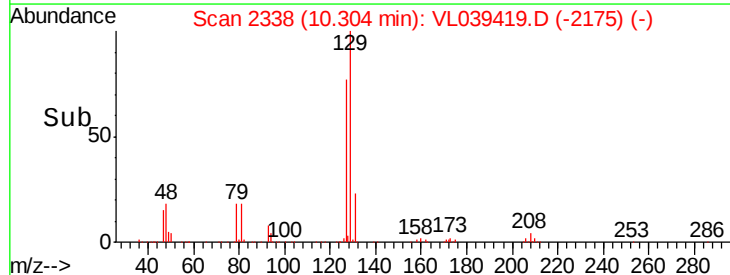
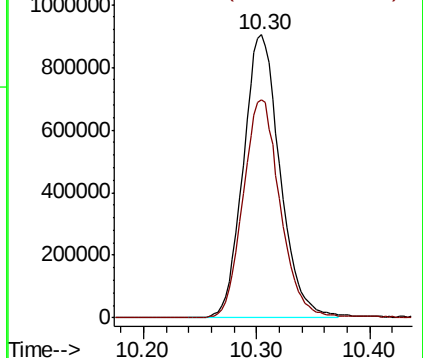
Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.3	117.9

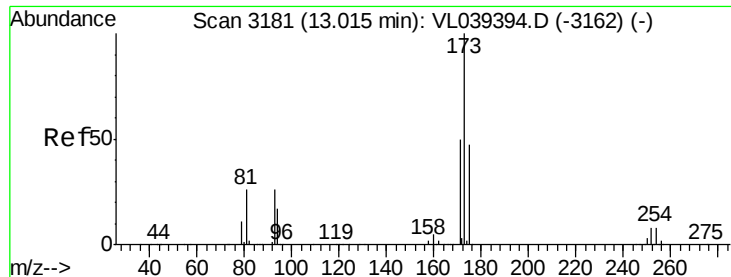


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.277 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 13:18

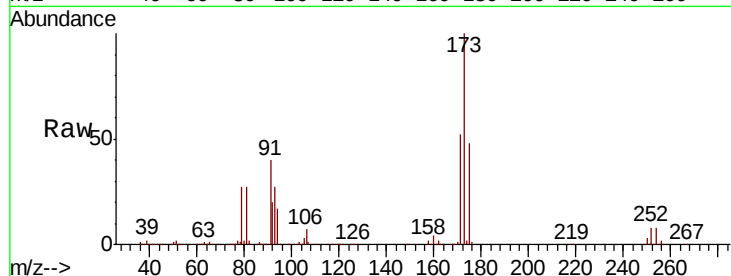
Tot Ion:173 Resp: 1714429

Ion Ratio Lower Upper

173 100

175 50.3 40.3 60.5

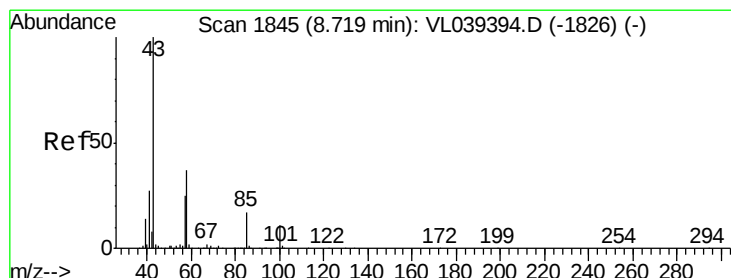
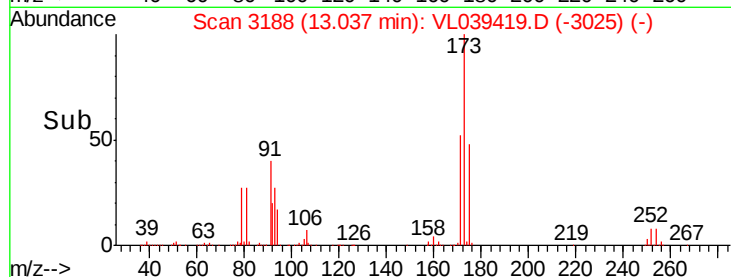
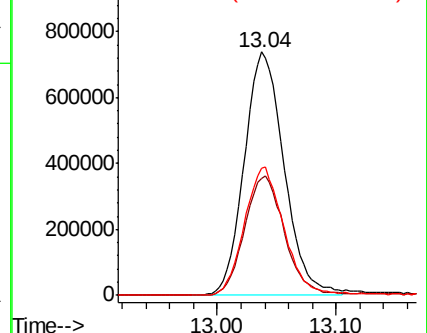
171 53.5 42.9 64.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.767 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.02 min

Lab File: VL039419.D

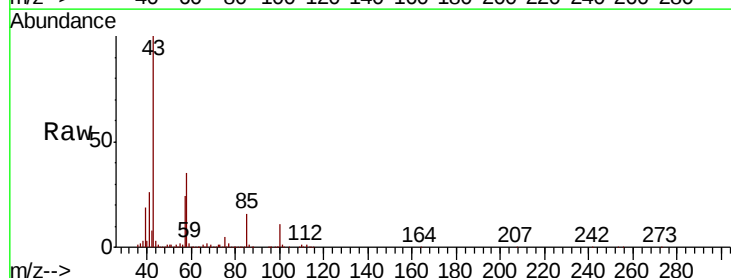
Acq: 5 Jul 2022 13:18

Tgt Ion: 43 Resp: 2995360

Ion Ratio Lower Upper

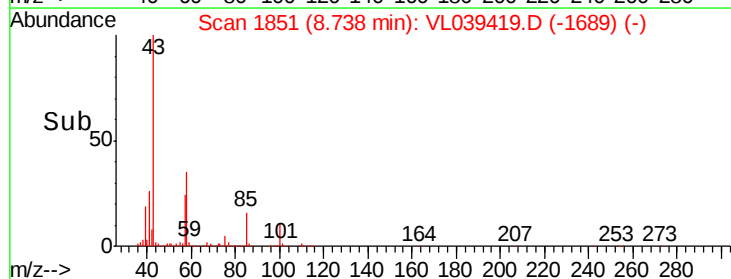
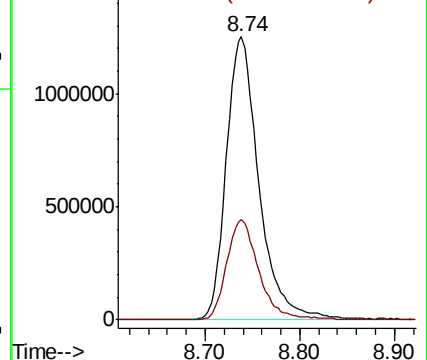
43 100

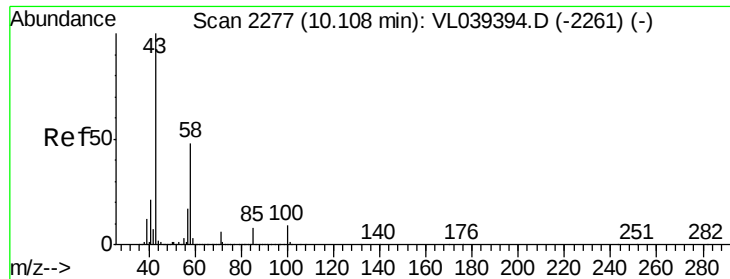
58 35.2 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

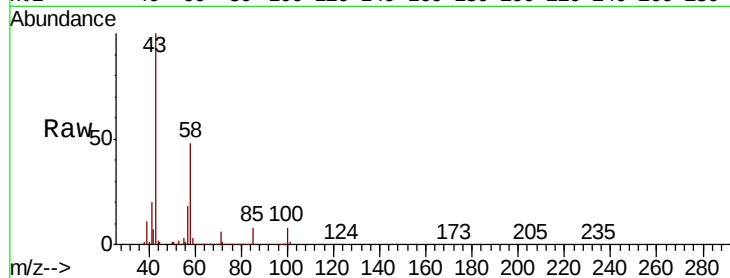
Ion 58.10 (57.80 to 58.80): VL0



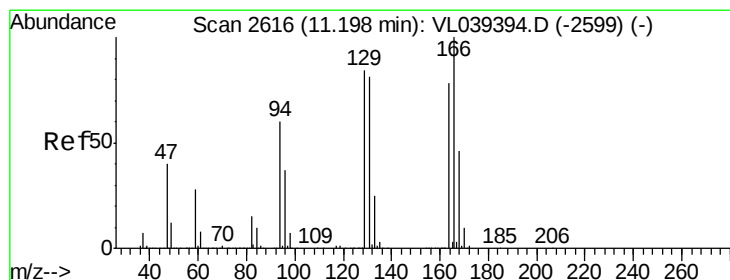
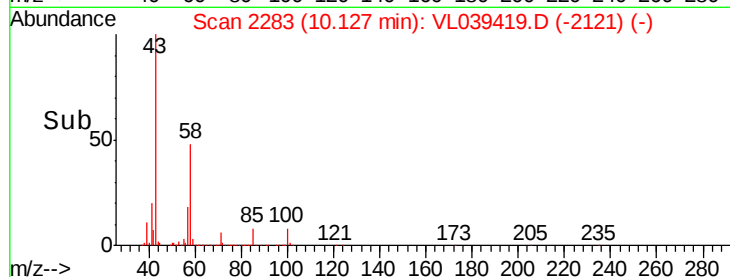
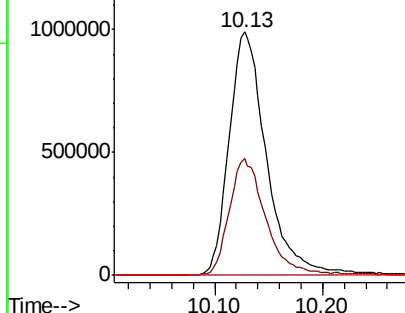


#51
2-Hexanone
Concen: 11.244 ppbv
RT: 10.13
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 5 Jul 2022 13:18

Tot Ion: 43 Resp: 2365872
Ion Ratio Lower Upper
43 100
58 48.1 38.4 57.6
98 0.2 0.3 0.5#

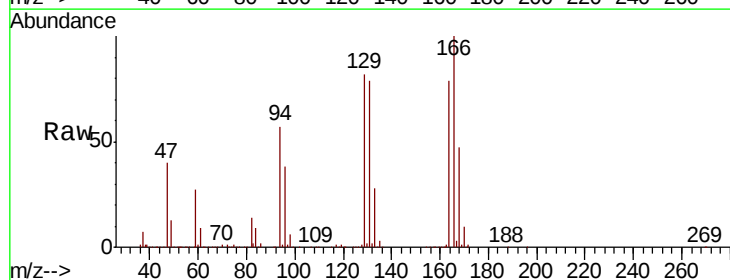


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

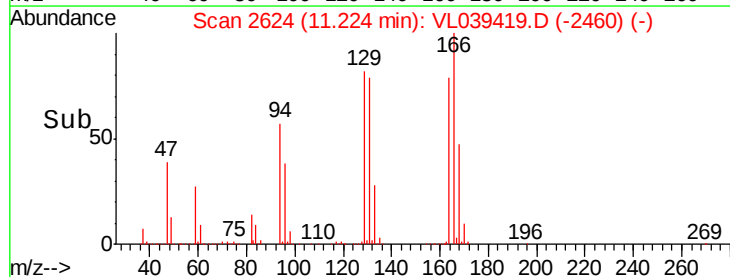
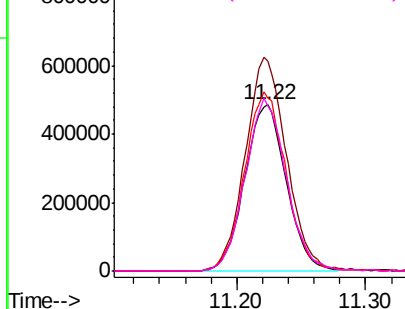


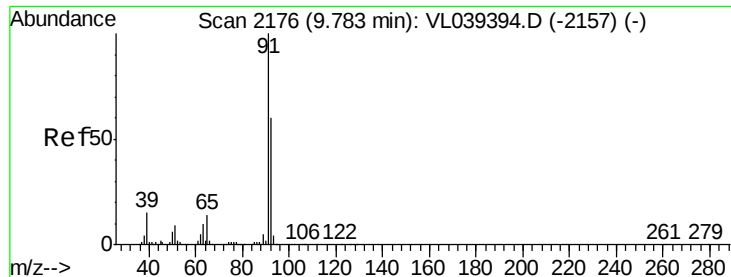
#52
Tetrachloroethene
Concen: 9.572 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.03 min
Lab File: VL039419.D
Acq: 5 Jul 2022 13:18

Tgt Ion:164 Resp: 1090004
Ion Ratio Lower Upper
164 100
166 126.3 102.2 153.2
129 104.1 85.8 128.8
131 99.5 83.3 124.9



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: 10.403 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

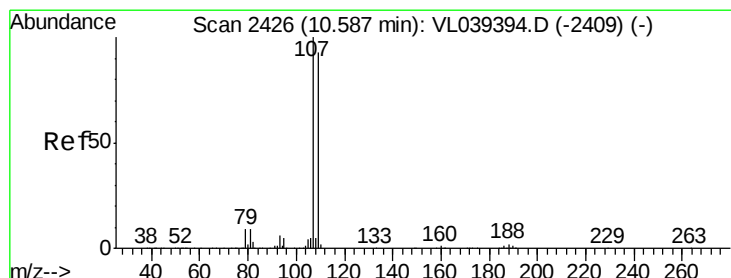
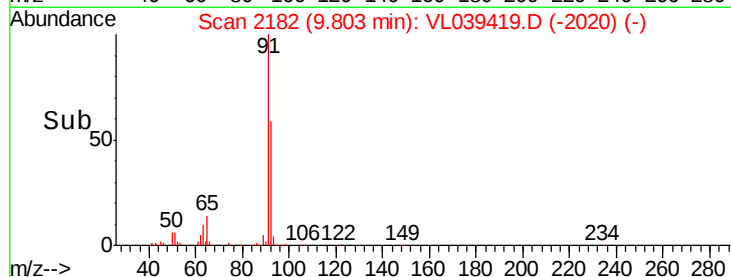
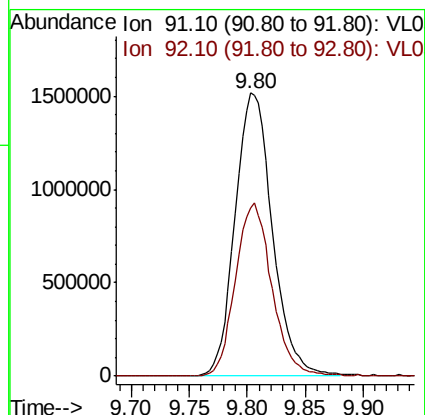
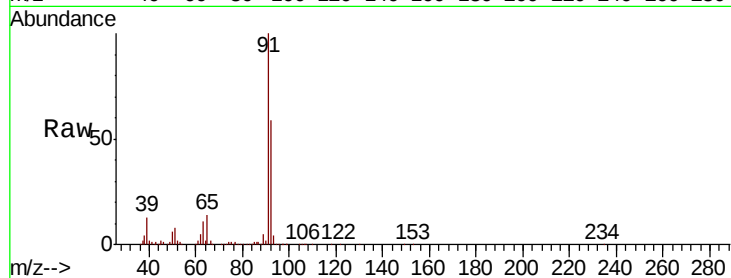
Acq: 5 Jul 2022 13:18 VSTDCCC010

Tot Ion: 91 Resp: 3394275

Ion Ratio Lower Upper

91 100

92 59.7 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.469 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL039419.D

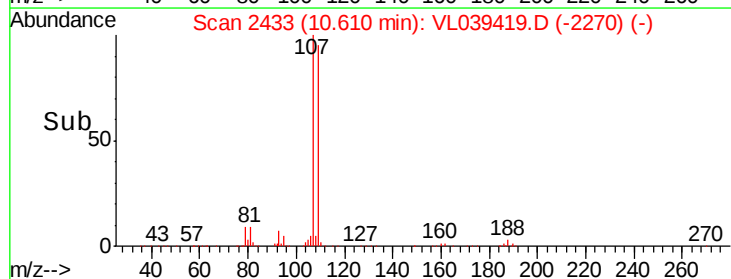
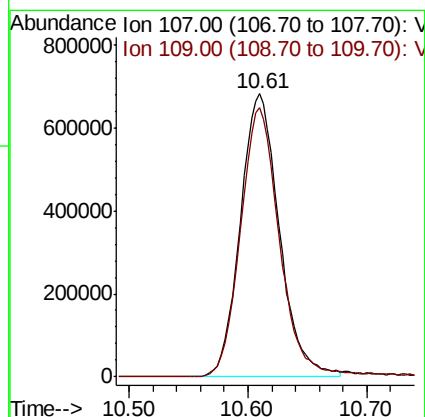
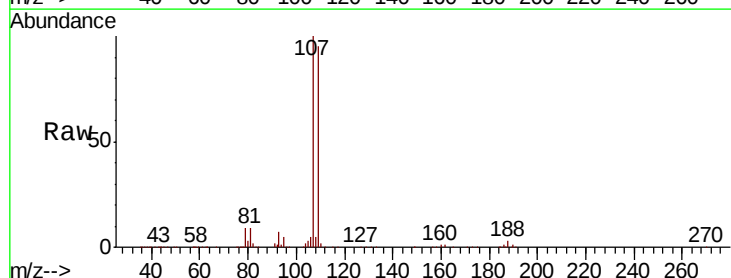
Acq: 5 Jul 2022 13:18

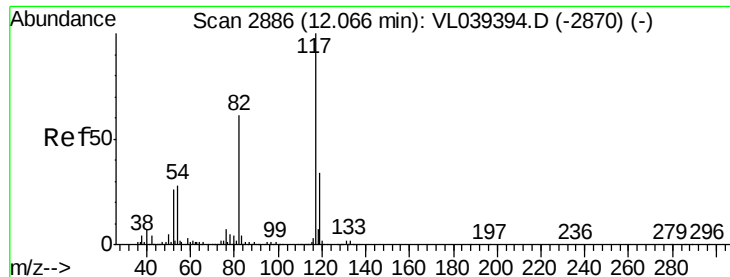
Tgt Ion: 107 Resp: 1544497

Ion Ratio Lower Upper

107 100

109 94.9 74.8 112.2

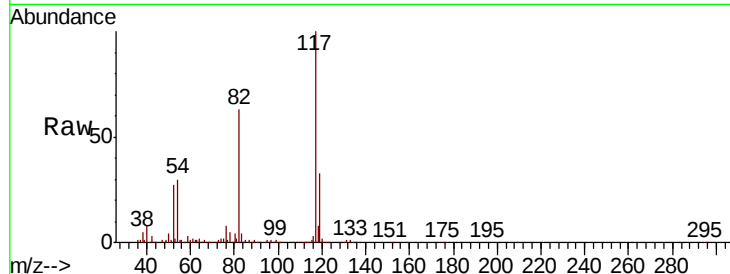




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 Jul 2022 13:18

Tot Ion:117 Resp: 4265202

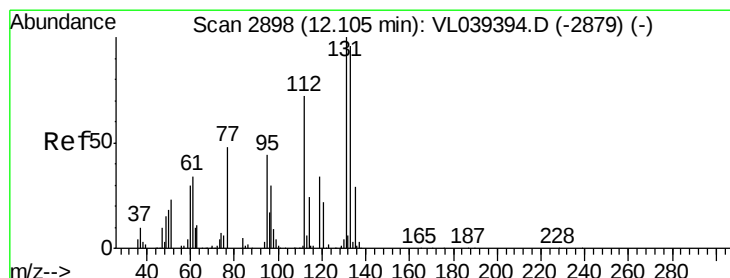
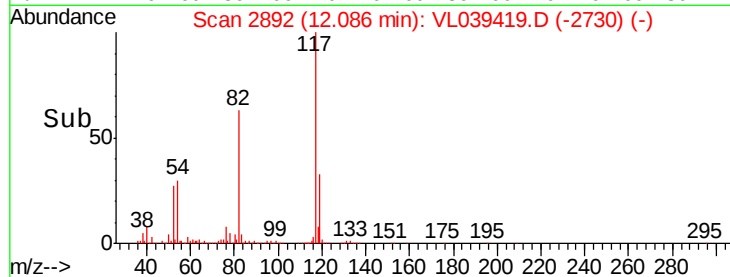
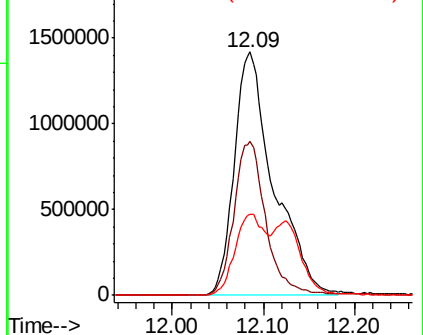
Ion	Ratio	Lower	Upper
117	100		
82	52.4	50.8	76.2
119	26.5	24.1	36.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

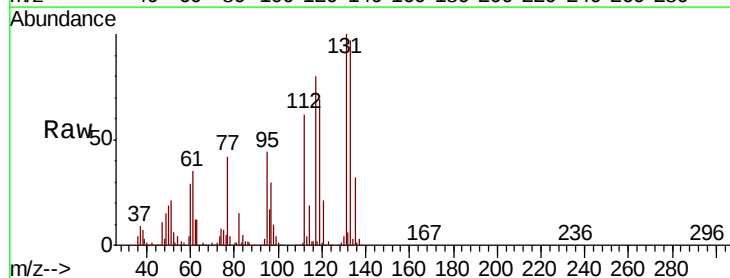
Ion 119.10 (118.80 to 119.80): V



#56
1,1,1,2-Tetrachloroethane
Concen: 7.857 ppbv
RT: 12.12 min Scan# 2904
Delta R.T.: 0.02 min
Lab File: VL039419.D
Acq: 5 Jul 2022 13:18

Tgt Ion:131 Resp: 1480405

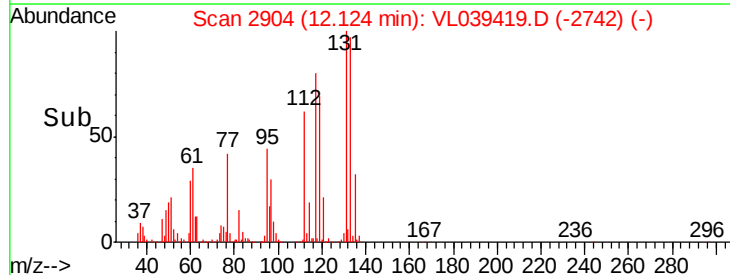
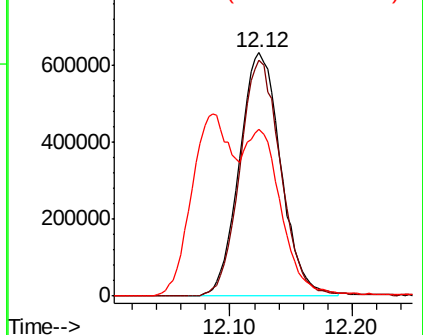
Ion	Ratio	Lower	Upper
131	100		
133	96.9	76.8	115.2
119	64.6	46.2	69.4

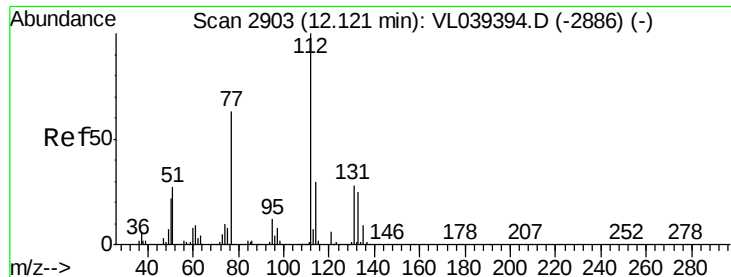


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.773 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 13:18

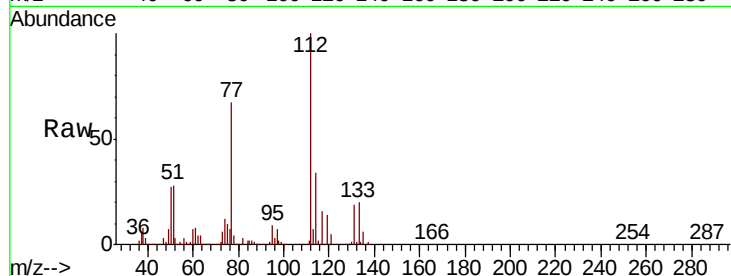
Tot Ion: 112 Resp: 2570497

Ion Ratio Lower Upper

112 100

77 65.9 51.0 76.4

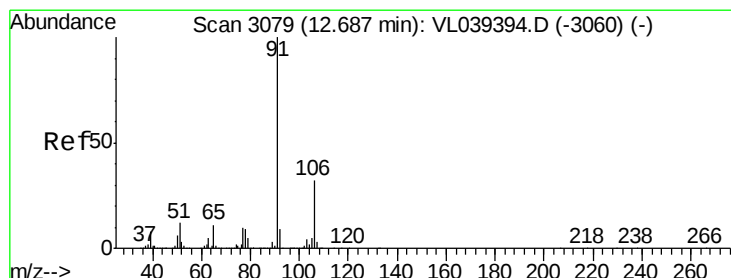
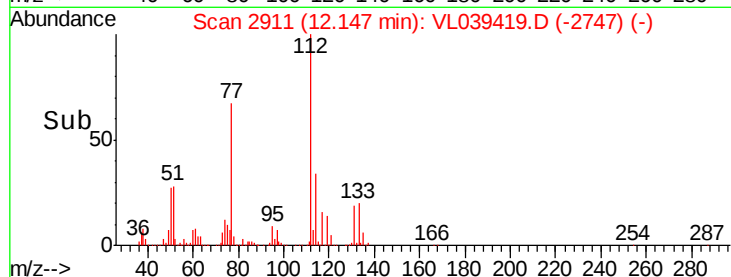
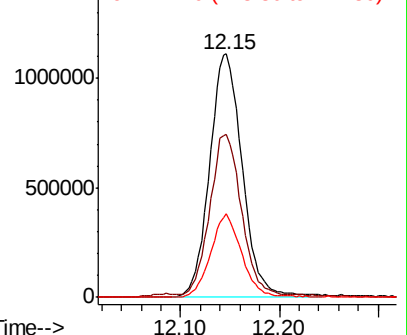
114 34.0 27.5 33.6#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.219 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. 0.02 min

Lab File: VL039419.D

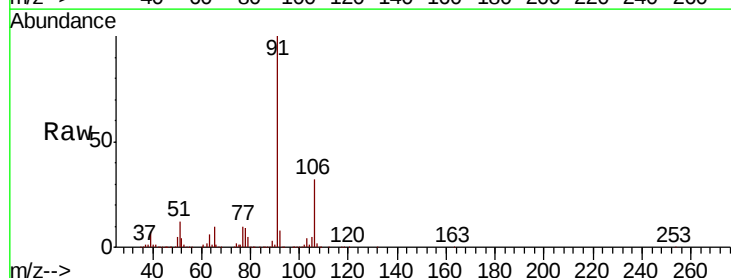
Acq: 5 Jul 2022 13:18

Tgt Ion: 91 Resp: 4526826

Ion Ratio Lower Upper

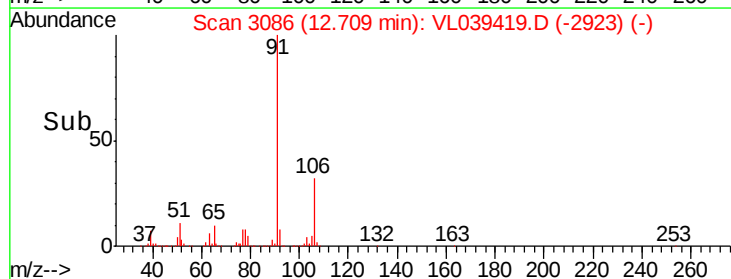
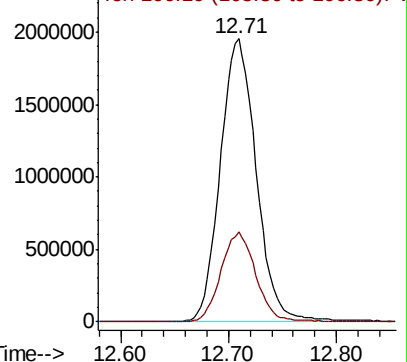
91 100

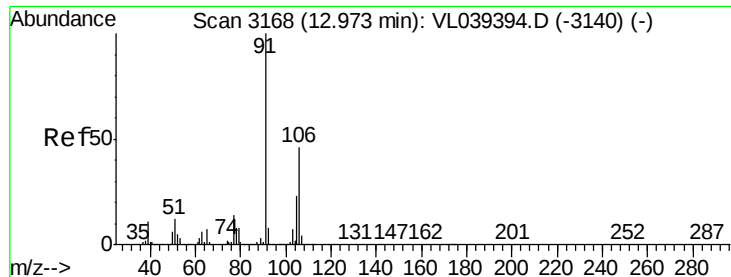
106 31.7 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

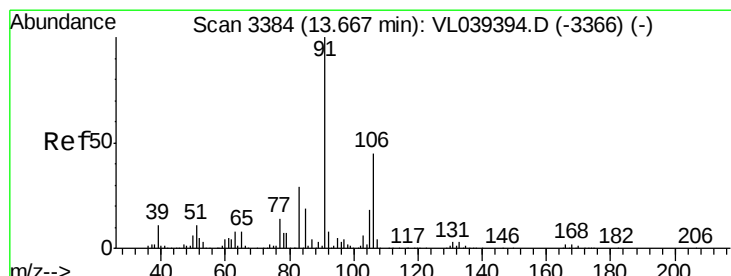
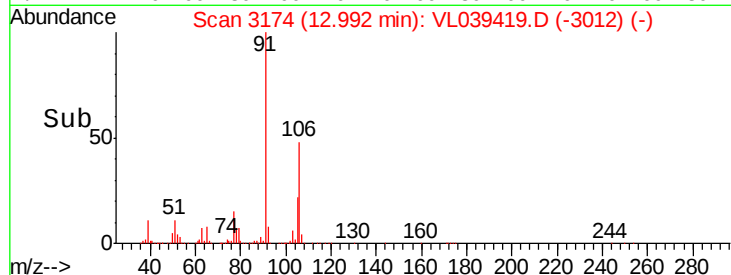
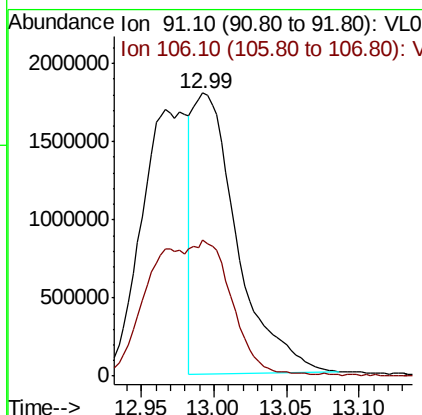
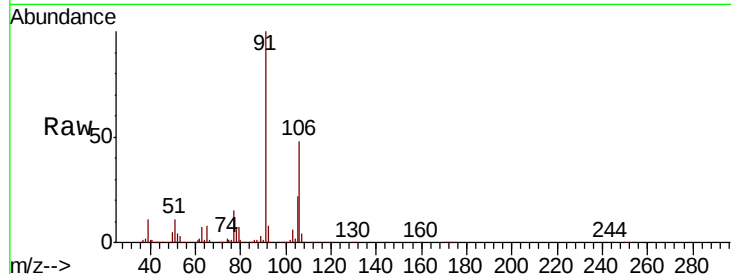
Ion 106.10 (105.80 to 106.80): V





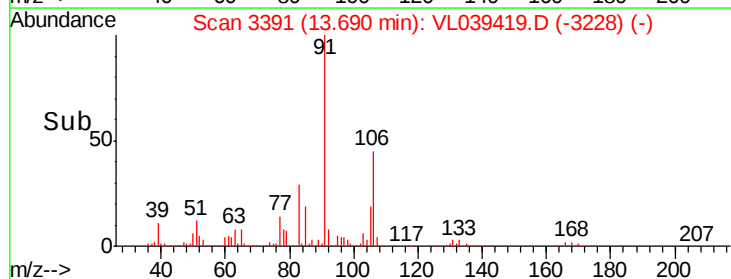
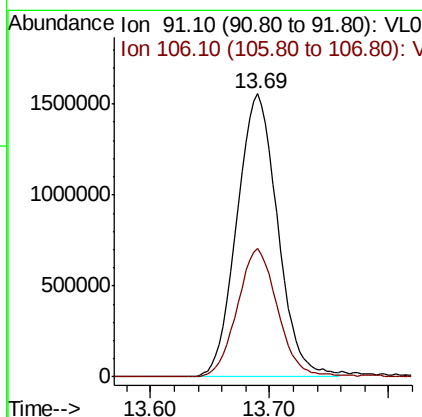
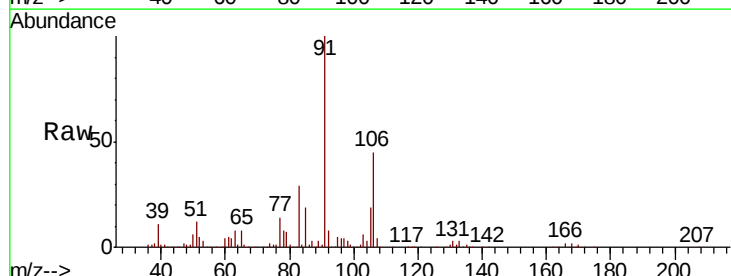
#59
m/p-Xylene
Concen: 7.809 ppbv
RT: 12.99
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Jul 2022 13:18

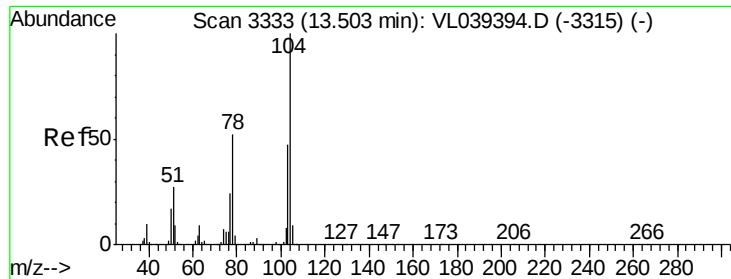
Tot Ion: 91 Resp: 3791365
Ion Ratio Lower Upper
91 100
106 91.8 35.4 53.2#



#60
o-Xylene
Concen: 8.022 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL039419.D
Acq: 5 Jul 2022 13:18

Tgt Ion: 91 Resp: 3688346
Ion Ratio Lower Upper
91 100
106 45.4 22.4 67.3

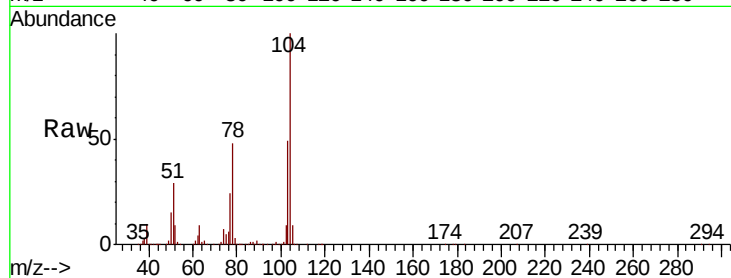




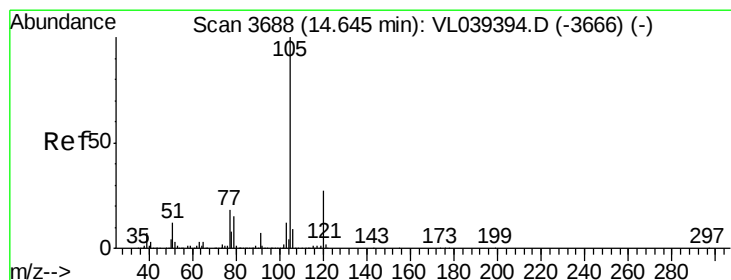
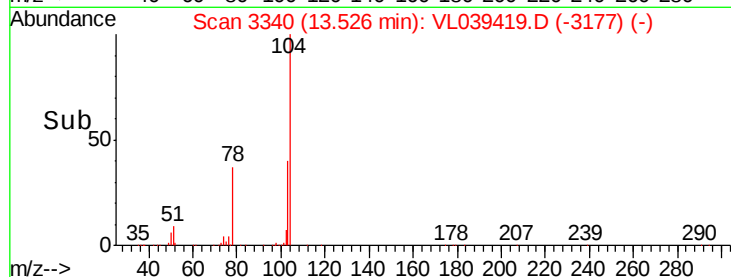
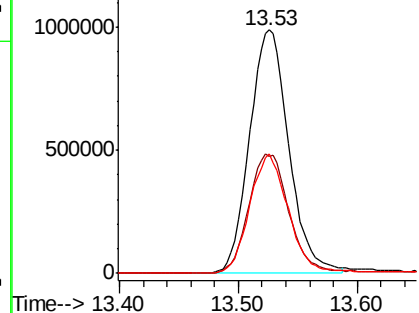
#61
Stvrene
Concen: 9.065 ppbv
RT: 13.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Jul 2022 13:18

Tot Ion:104 Resp: 2257678

Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.2	61.8
103	48.7	38.7	58.1



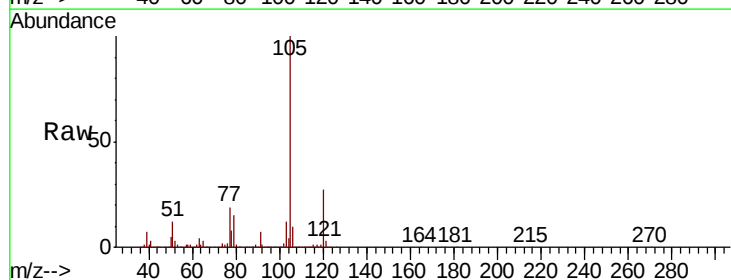
Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



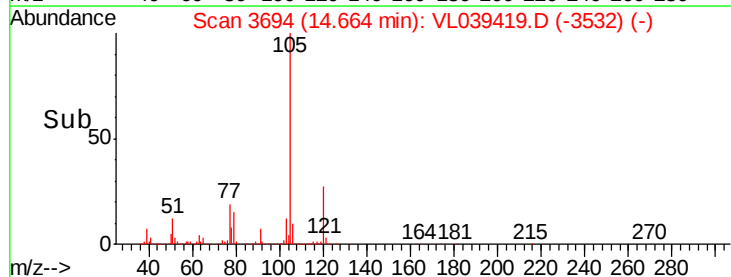
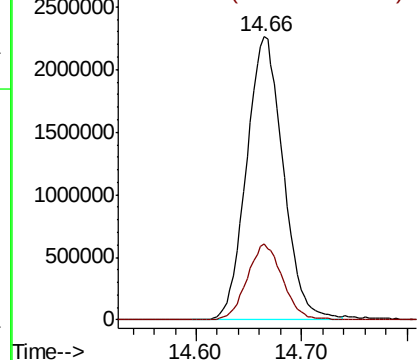
#62
Isopropylbenzene
Concen: 7.804 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.02 min
Lab File: VL039419.D
Acq: 5 Jul 2022 13:18

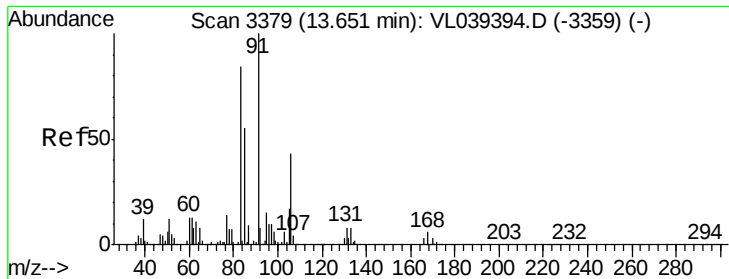
Tgt Ion:105 Resp: 5463796

Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.7	31.1



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: 7.304 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 13:18

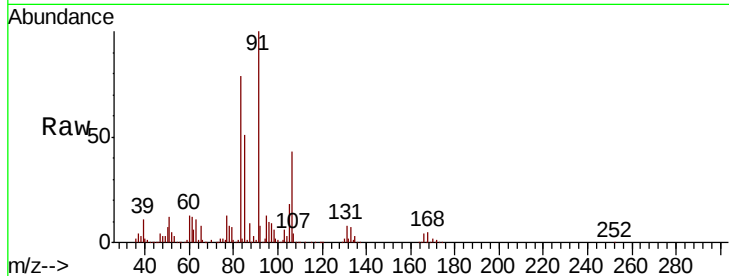
Tot Ion: 83 Resp: 1760219

Ion Ratio Lower Upper

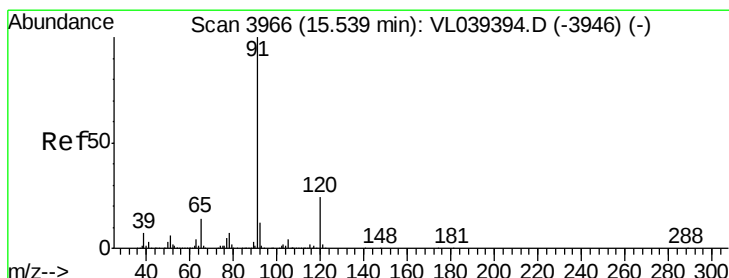
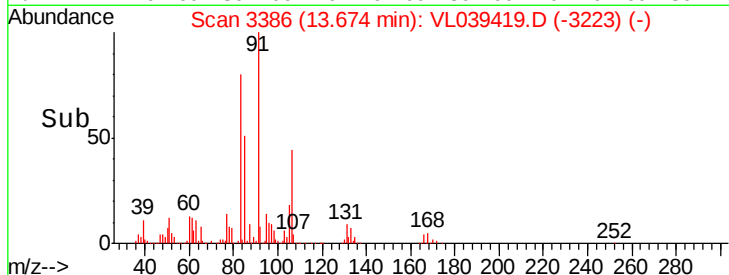
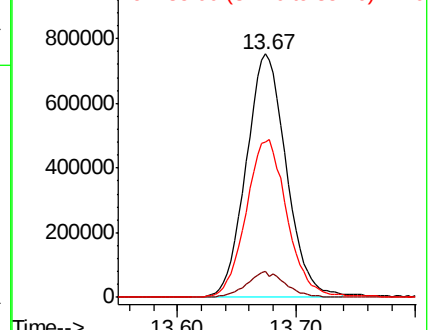
83 100

131 10.2 5.3 15.8

85 66.6 33.1 99.5



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: 8.217 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.02 min

Lab File: VL039419.D

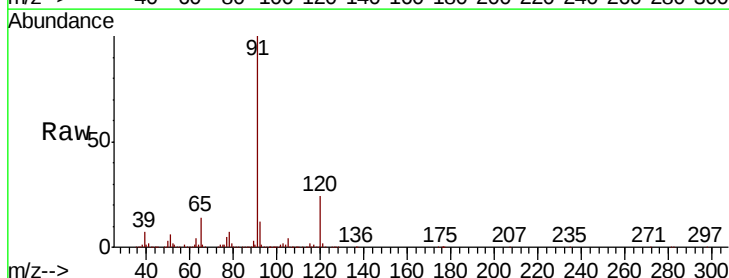
Acq: 5 Jul 2022 13:18

Tgt Ion:120 Resp: 1458257

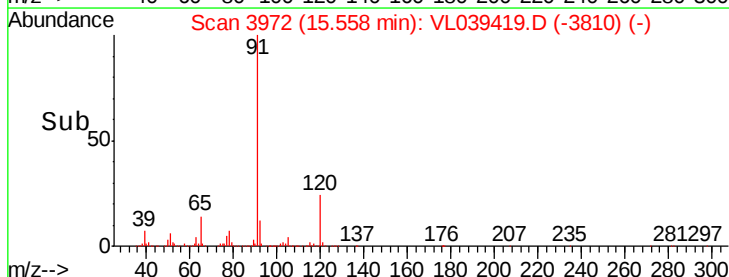
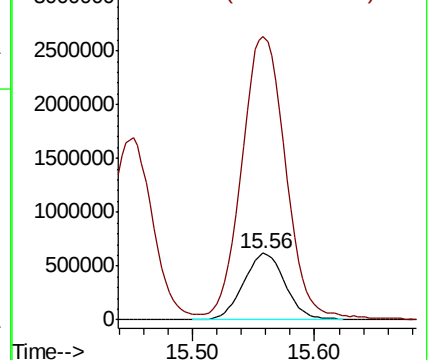
Ion Ratio Lower Upper

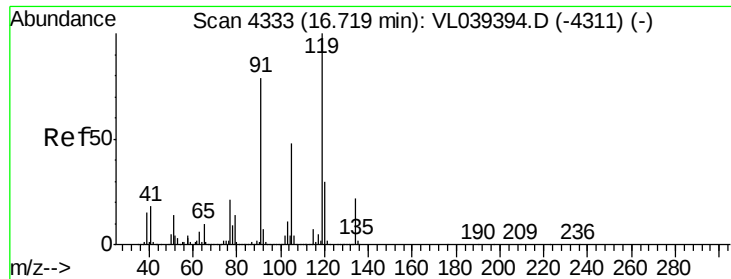
120 100

91 453.1 367.2 550.8



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

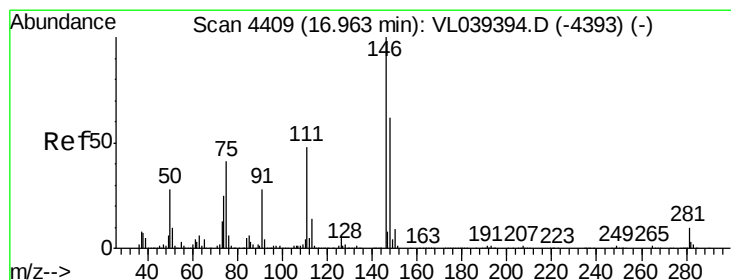
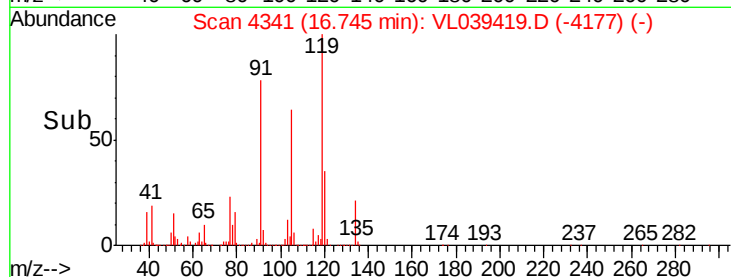
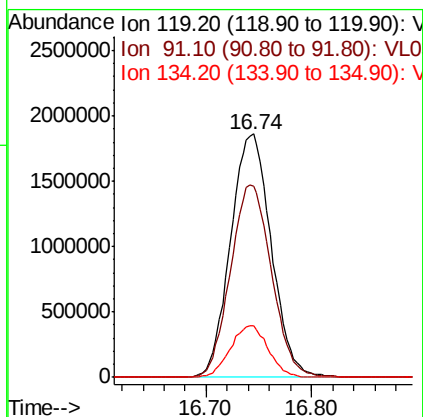
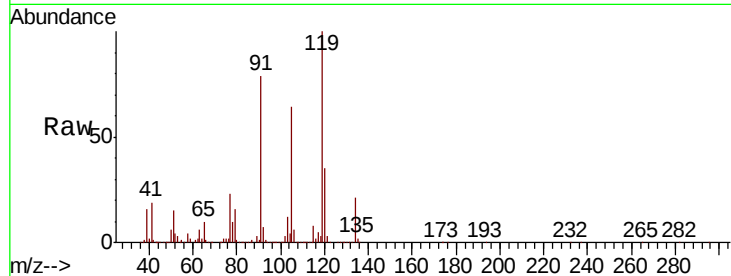




#65
 tert-Butylbenzene
 Concen: 7.678 ppbv
 RT: 16.74 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 5 Jul 2022 13:18

Tot Ion: 119 Resp: 4967423

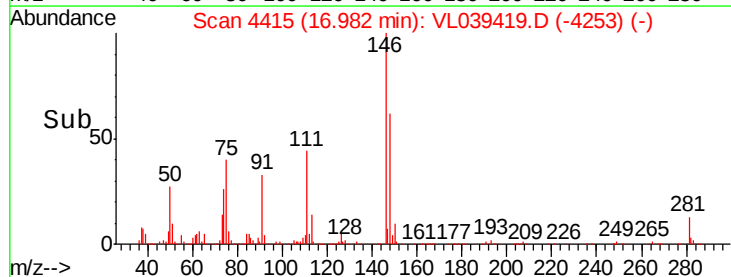
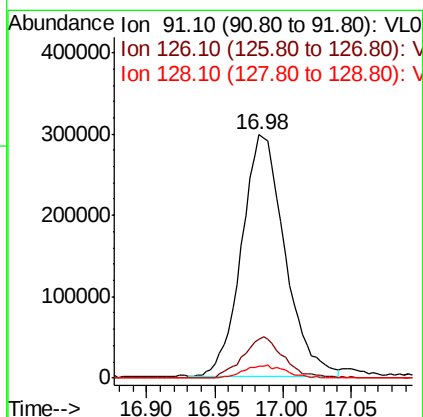
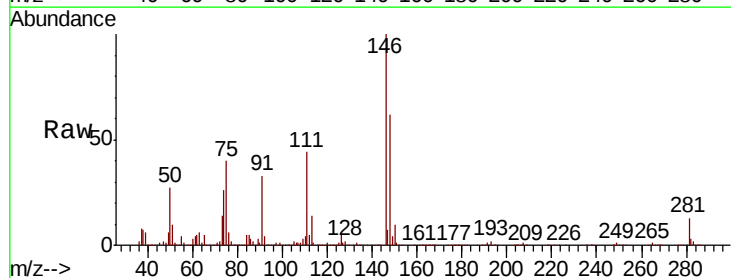
Ion	Ratio	Lower	Upper
119	100		
91	80.2	63.4	95.2
134	19.9	15.9	23.9

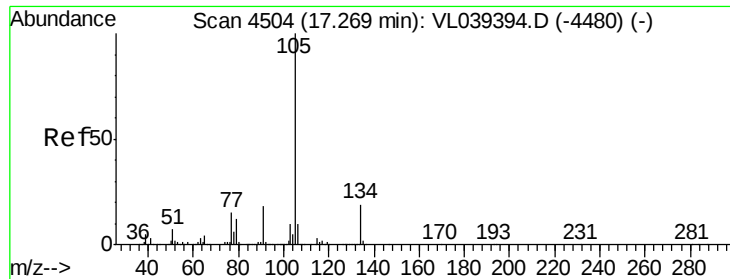


#66
 Benzyl Chloride
 Concen: 10.649 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.02 min
 Lab File: VL039419.D
 Acq: 5 Jul 2022 13:18

Tgt Ion: 91 Resp: 654752

Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.1	19.7
128	5.3	4.4	6.6





#67

sec-Butylbenzene

Concen: 7.876 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

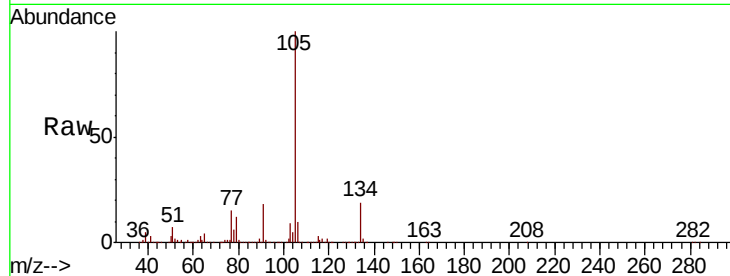
Acq: 5 Jul 2022 13:18

Tot Ion:105 Resp: 6863362

Ion Ratio Lower Upper

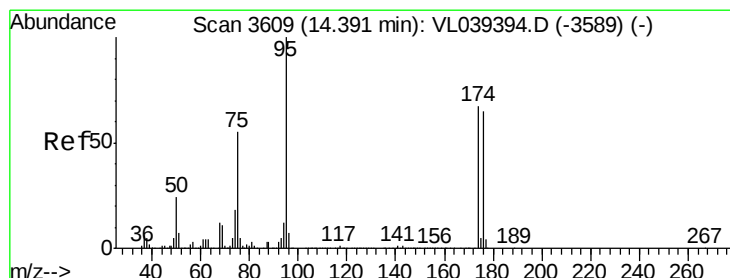
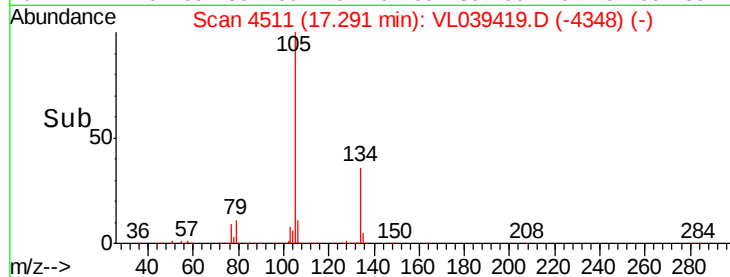
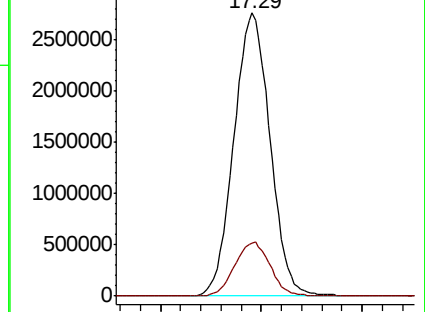
105 100

134 18.9 14.8 22.2



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: 8.242 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

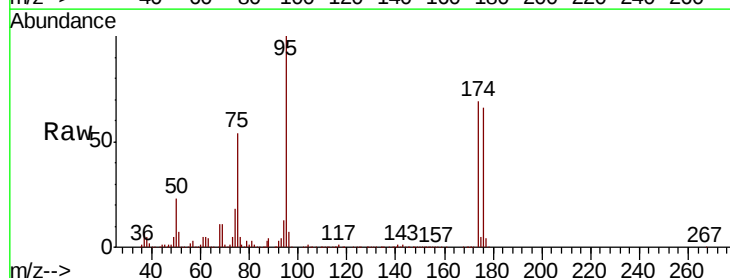
Tgt Ion: 95 Resp: 2607841

Ion Ratio Lower Upper

95 100

174 68.5 55.9 83.9

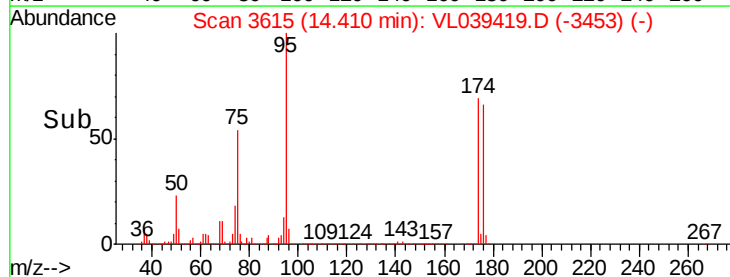
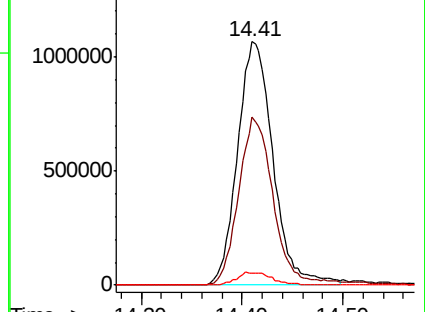
175 5.4 4.2 6.4

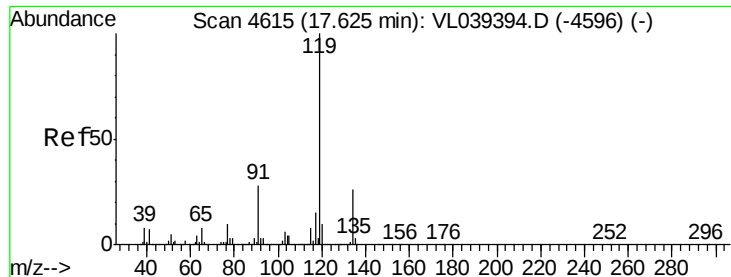


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.018 ppbv

RT: 17.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 13:18

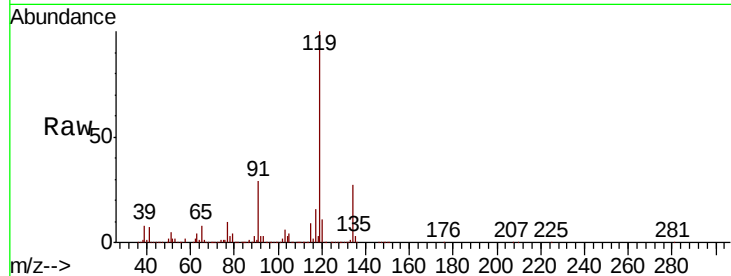
Tot Ion: 119 Resp: 5928861

Ion Ratio Lower Upper

119 100

134 25.5 20.3 30.5

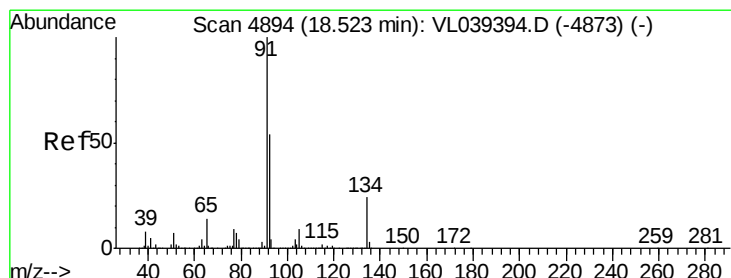
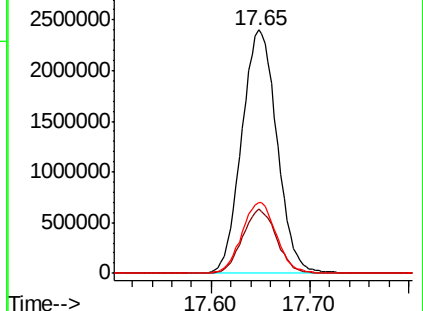
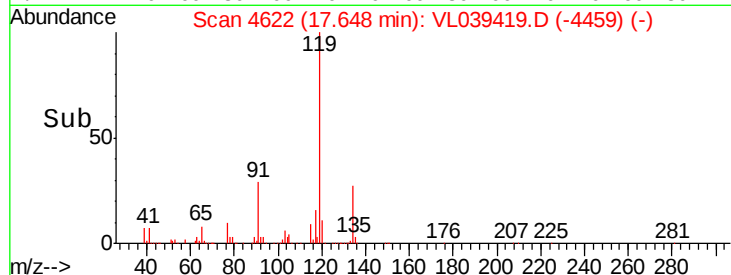
91 28.5 22.9 34.3



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: 8.158 ppbv

RT: 18.55 min Scan# 4901

Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

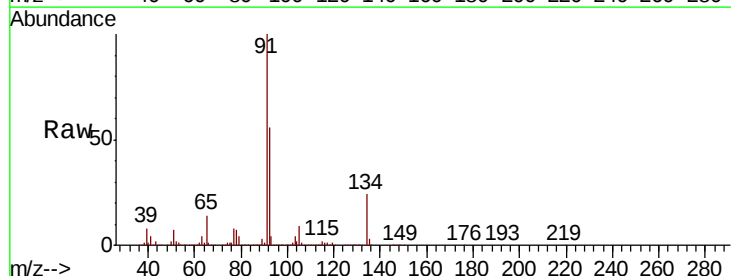
Tgt Ion: 91 Resp: 5854732

Ion Ratio Lower Upper

91 100

92 54.5 43.4 65.2

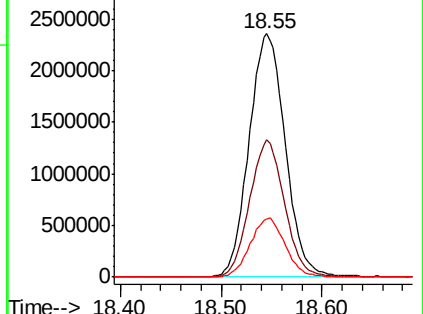
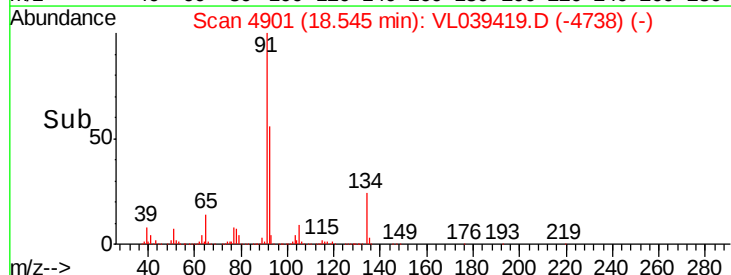
134 23.6 18.9 28.3

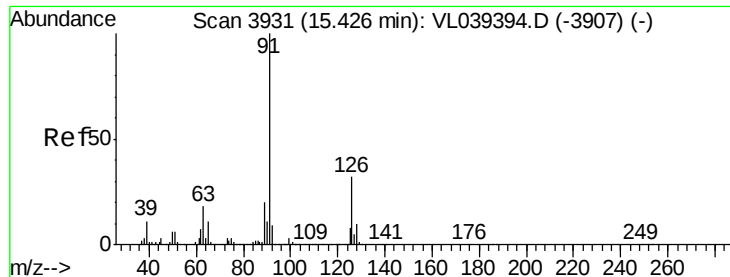


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

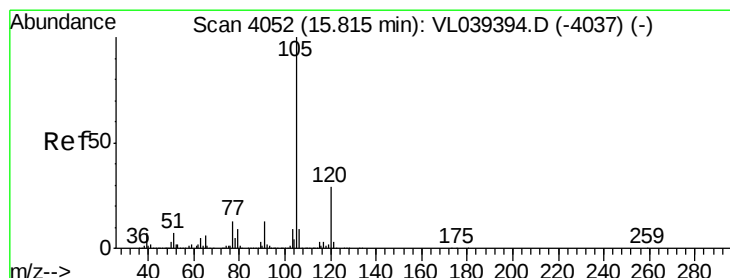
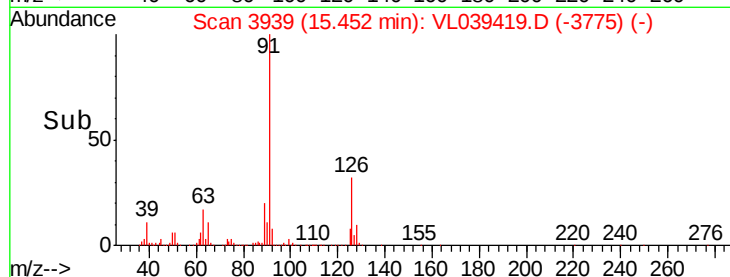
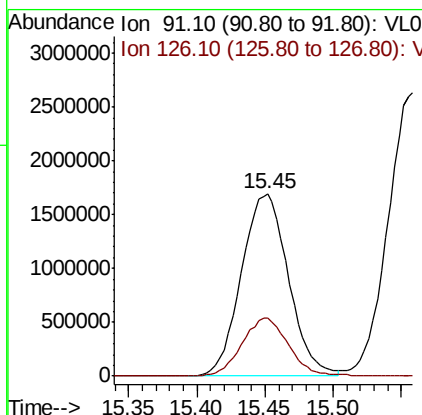
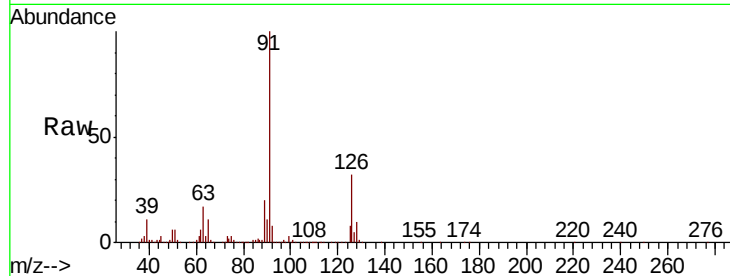
Ion 134.20 (133.90 to 134.90): V





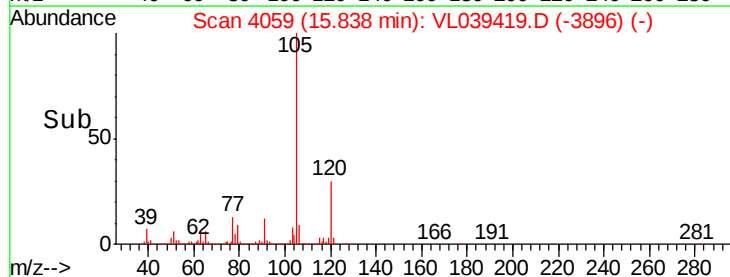
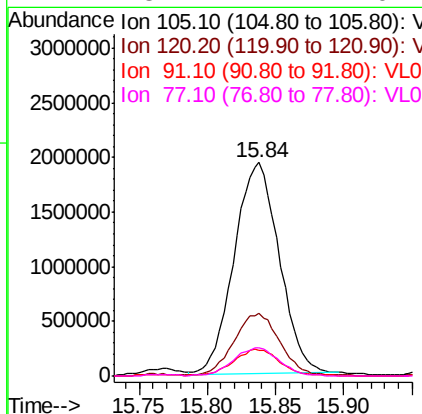
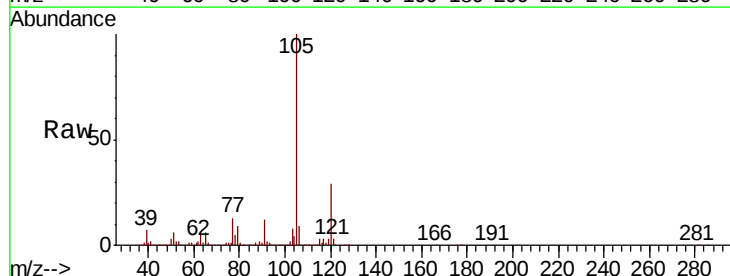
#71
 2-Chlorotoluene
 Concen: 8.086 ppbv
 RT: 15.45
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 5 Jul 2022 13:18

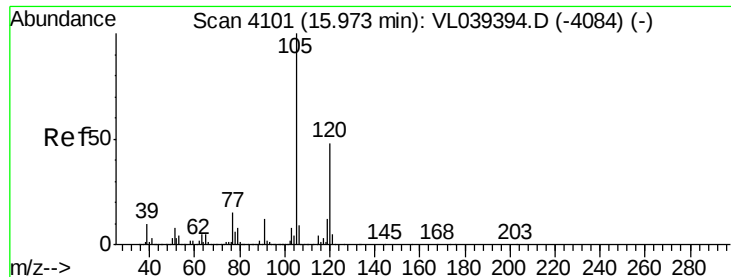
Tot Ion: 91 Resp: 4051981
 Ion Ratio Lower Upper
 91 100
 126 32.2 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 8.220 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. 0.02 min
 Lab File: VL039419.D
 Acq: 5 Jul 2022 13:18

Tgt Ion:105 Resp: 4443649
 Ion Ratio Lower Upper
 105 100
 120 30.3 24.2 36.2
 91 12.8 10.2 15.4
 77 13.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.243 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

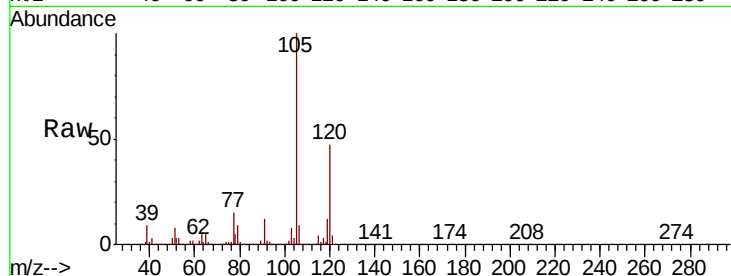
Acq: 5 Jul 2022 13:18

Tot Ion:105 Resp: 4092537

Ion Ratio Lower Upper

105 100

120 46.7 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

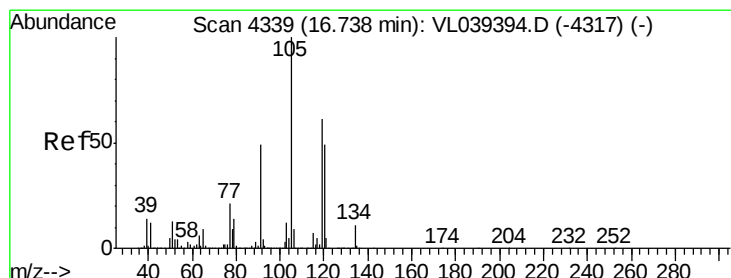
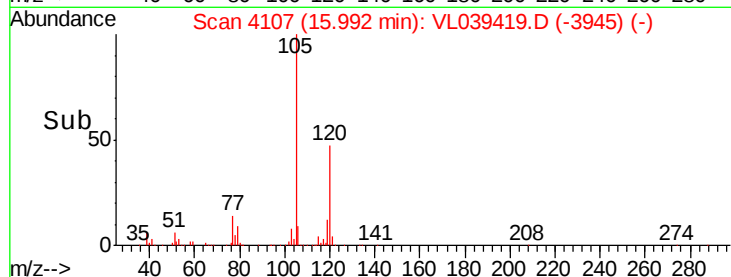
0

Time-->

15.90

16.00

16.10



#74

1,2,4-Trimethylbenzene

Concen: 8.032 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

Tgt Ion:105 Resp: 4411337

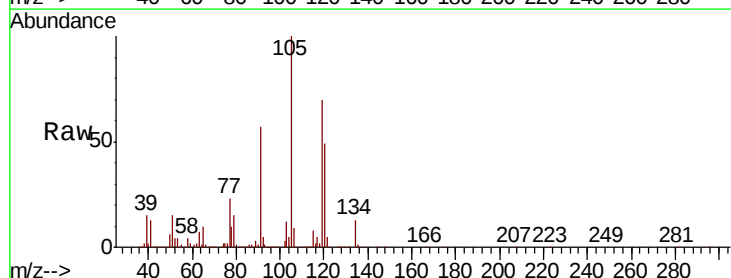
Ion Ratio Lower Upper

105 100

120 48.8 39.5 59.3

91 56.6 39.2 58.8

77 22.6 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

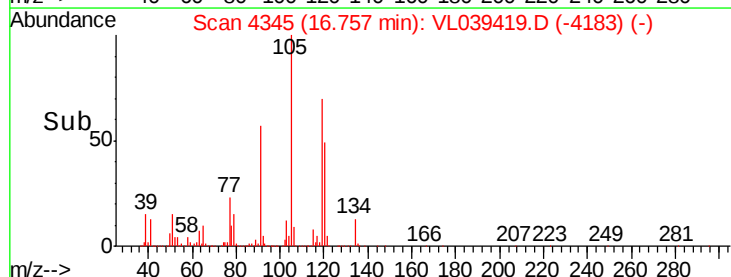
0

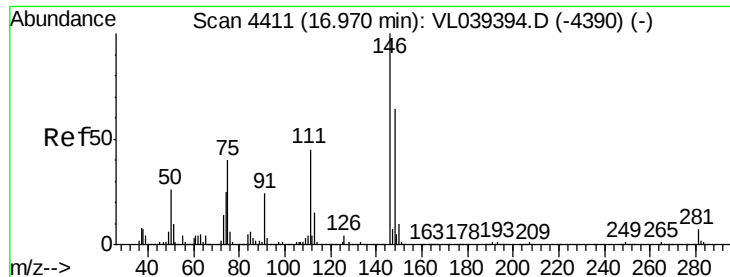
Time-->

16.70

16.80

16.90





#75

1,3-Dichlorobenzene

Concen: 8.037 ppbv

RT: 16.99 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 5 Jul 2022 13:18

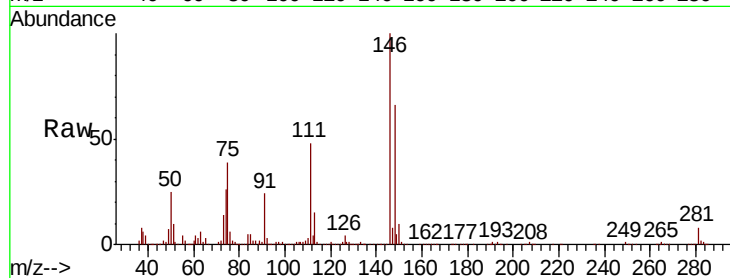
Tot Ion:146 Resp: 2633057

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.9	68.7
148	64.7	32.1	96.5

146 100

111 46.2 22.9 68.7

148 64.7 32.1 96.5

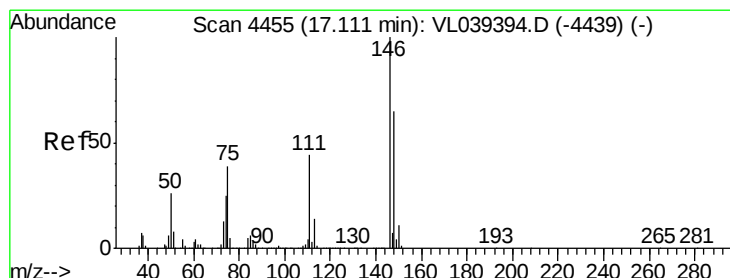
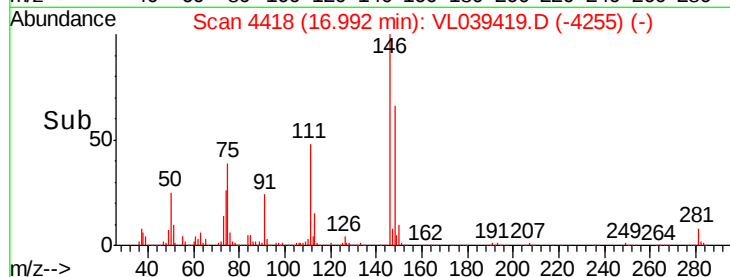
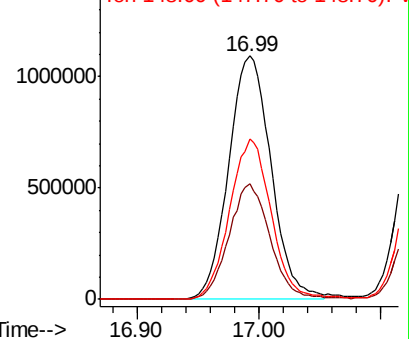


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.826 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.03 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

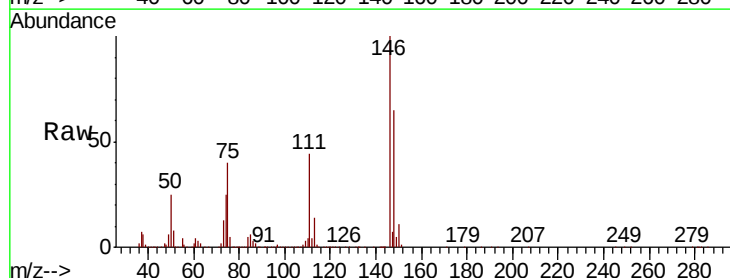
Tgt Ion:146 Resp: 2541172

Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.9	68.8
148	66.7	33.6	100.8

146 100

111 46.0 22.9 68.8

148 66.7 33.6 100.8

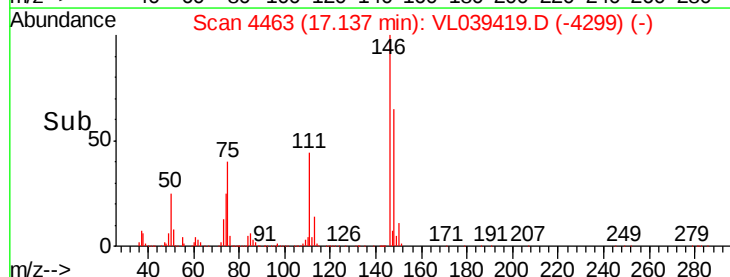
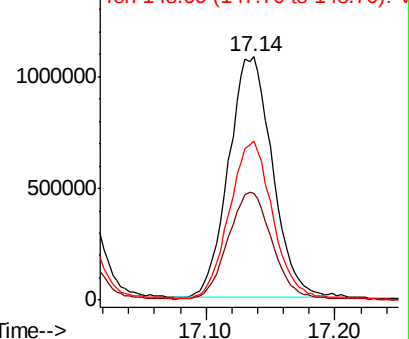


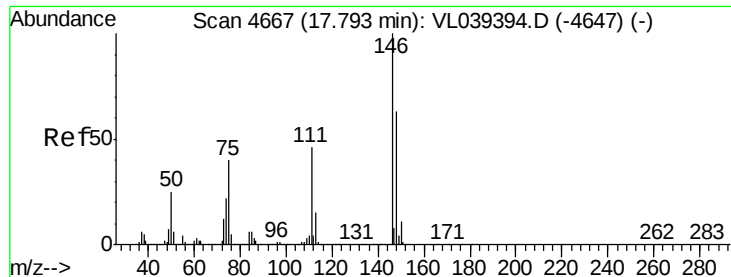
Abundance

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

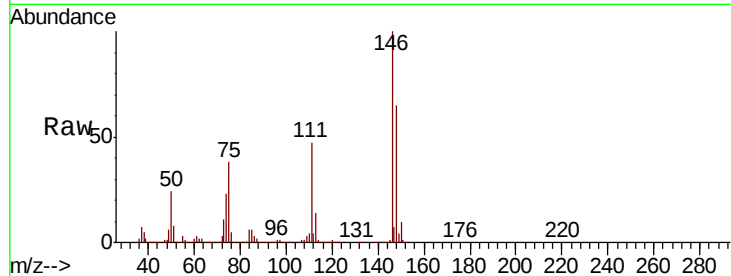




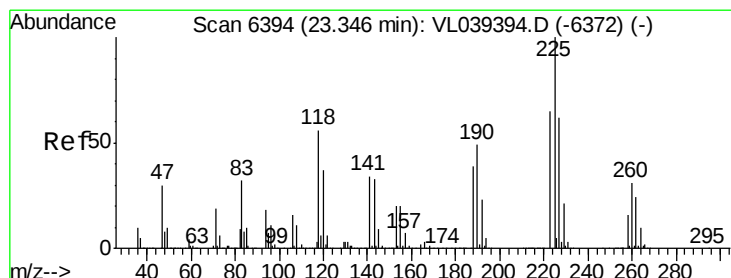
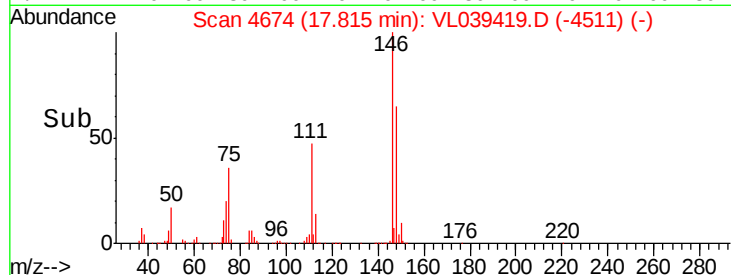
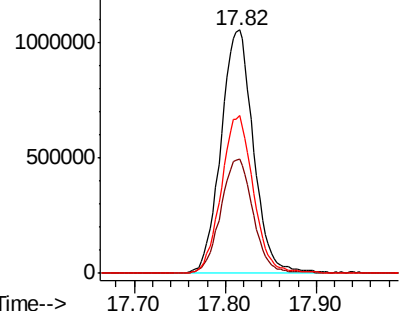
#77
 1,2-Dichlorobenzene
 Concen: 7.996 ppbv
 RT: 17.82
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 5 Jul 2022 13:18

Tot Ion:146 Resp: 2596702

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.8	71.5
148	64.1	32.3	96.8



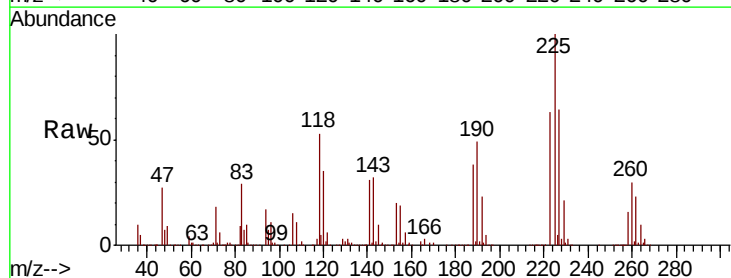
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



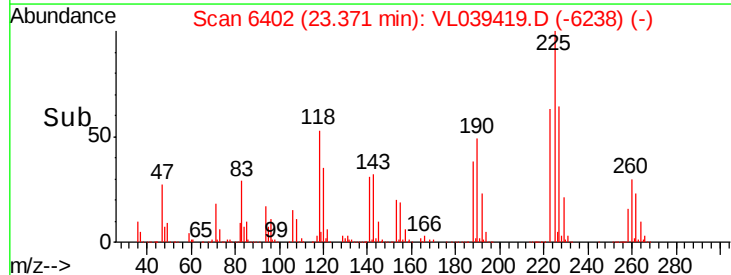
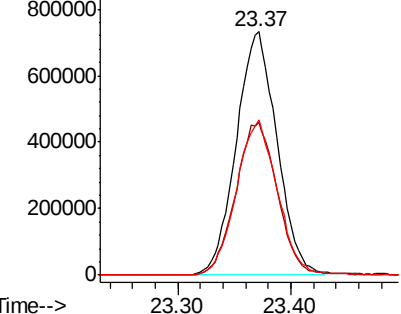
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.007 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T. 0.03 min
 Lab File: VL039419.D
 Acq: 5 Jul 2022 13:18

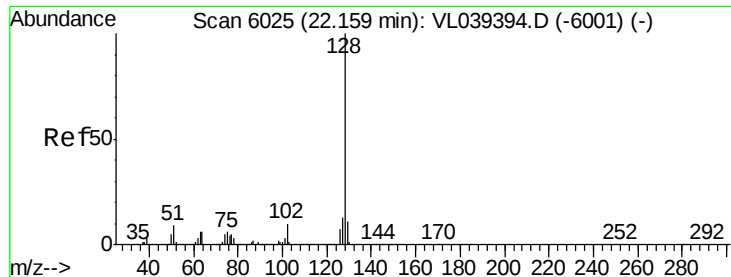
Tgt Ion:225 Resp: 1829959

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.8	77.6
227	64.3	51.4	77.2



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.872 ppbv

RT: 22.19 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 13:18

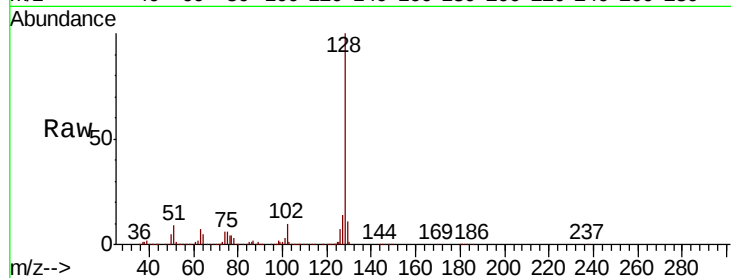
Tot Ion:128 Resp: 3731413

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

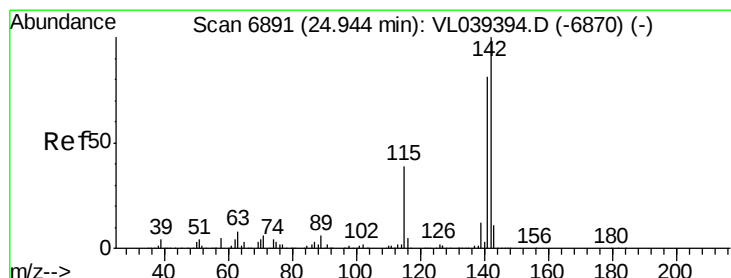
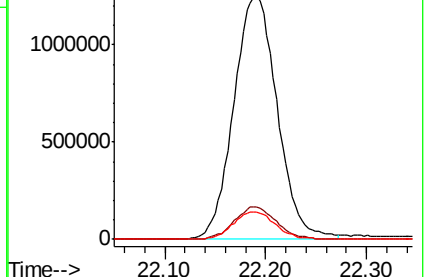
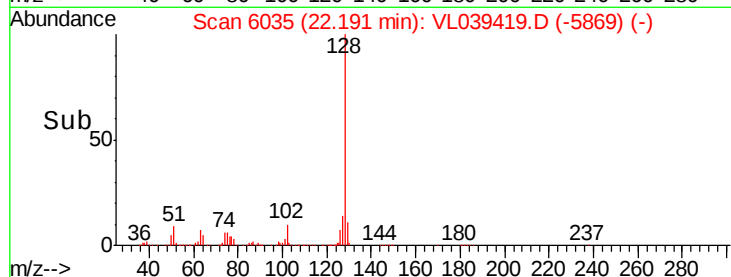
129 10.9 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.559 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.02 min

Lab File: VL039419.D

Acq: 5 Jul 2022 13:18

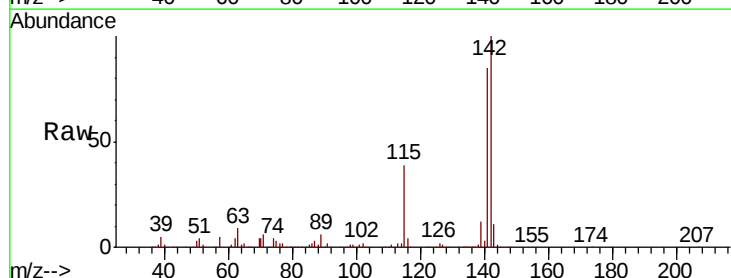
Tgt Ion:142 Resp: 1358414

Ion Ratio Lower Upper

142 100

141 85.5 68.9 103.3

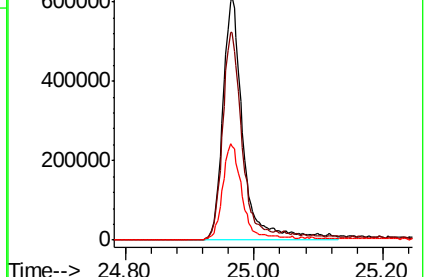
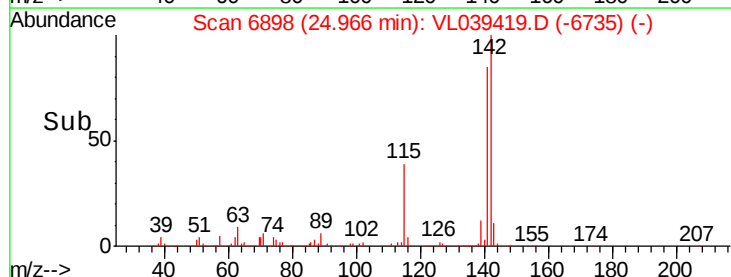
115 38.4 30.0 45.0

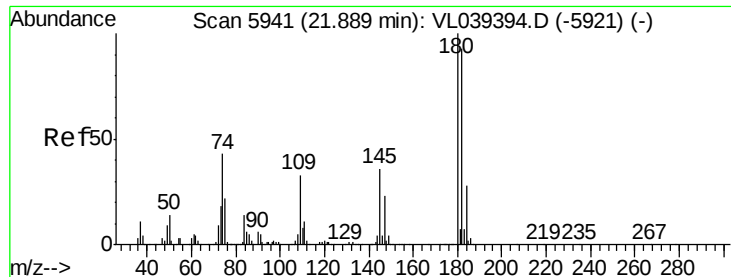


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

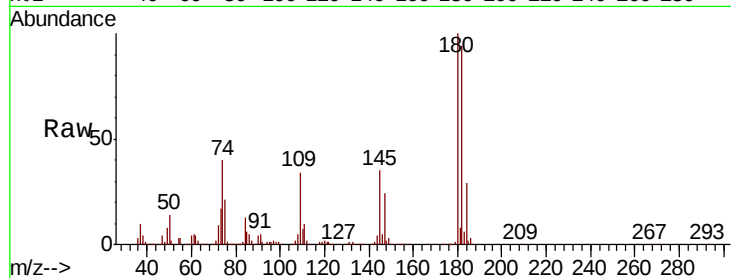
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.448 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 5 Jul 2022 13:18

Tot Ion:180 Resp: 2079836
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.1 115.7
 184 30.5 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

