

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070522\
 Data File : VL039421.D
 Acq On : 5 Jul 2022 15:46
 Operator : SY/AP
 Sample : VL0705ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0705ABS01

Quant Time: Jul 06 02:34:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1267095	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3504482	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	4106808	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2521394	8.28	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1855559	10.153	ppbv 99
3) Chlorodifluoromethane	2.99	51	1459515	9.079	ppbv 100
4) Chloromethane	3.15	50	798344	9.080	ppbv 99
5) Vinyl Chloride	3.26	62	771878	8.903	ppbv 99
6) Bromomethane	3.48	94	342444	9.385	ppbv 100
7) Chloroethane	3.56	64	272176	8.826	ppbv 99
8) Dichlorotetrafluoroethane	3.20	85	1902257	9.528	ppbv 98
9) Propene	3.02	41	647764	8.922	ppbv 97
10) Heptane	8.13	43	1673989	9.845	ppbv 99
11) Trichlorofluoromethane	3.96	101	1891580	9.288	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1382238	9.104	ppbv 99
13) Ethanol	3.60	45	9266	2.200	ppbv # 1
14) Bromoethene	3.74	108	589913	9.242	ppbv 98
15) Acetone	3.85	43	1386054	9.246	ppbv 100
16) 1,3-Butadiene	3.33	39	747604	9.612	ppbv 98
17) tert-Butyl alcohol	4.29	59	1307864	10.279	ppbv 99
18) 1,1-Dichloroethene	4.30	96	639868	9.303	ppbv 99
19) Isopropyl Alcohol	3.97	45	695767	8.701	ppbv 99
20) Methylene Chloride	4.35	84	522513	8.745	ppbv 96
21) Allyl Chloride	4.42	41	987418	9.510	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	628372	9.438	ppbv 98
23) Vinyl Acetate	5.08	43	1053431	10.515	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1433738	10.133	ppbv 99
25) Ethyl Acetate	5.68	43	2991907	9.734	ppbv 99
26) Hexane	5.69	57	1295884	10.459	ppbv 97
27) Carbon Disulfide	4.56	76	1538595	10.288	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1380228	10.419	ppbv 95
29) Chloroform	5.76	83	2024109	9.395	ppbv 99
30) Cyclohexane	7.14	84	1110790	9.847	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1252202	9.525	ppbv 97
32) 1,1,1-Trichloroethane	6.52	97	2031105	9.551	ppbv 100
34) 2-Butanone	5.25	43	1751564	9.929	ppbv 100
35) Carbon Tetrachloride	7.02	117	2164132	9.994	ppbv 99
36) Benzene	6.90	78	2627839	9.689	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1558411	9.734	ppbv 100
38) Trichloroethene	7.84	130	1432423	9.764	ppbv 99
39) 1,2-Dichloropropane	7.62	63	988872	9.759	ppbv 94
40) 1,4-Dioxane	7.83	88	351385	8.702	ppbv # 1
41) Tetrahydrofuran	6.05	42	1005706	9.838	ppbv 98
42) Bromodichloromethane	7.80	83	2183279	10.114	ppbv 97
43) Methyl Methacrylate	8.02	69	1071931	10.394	ppbv 99

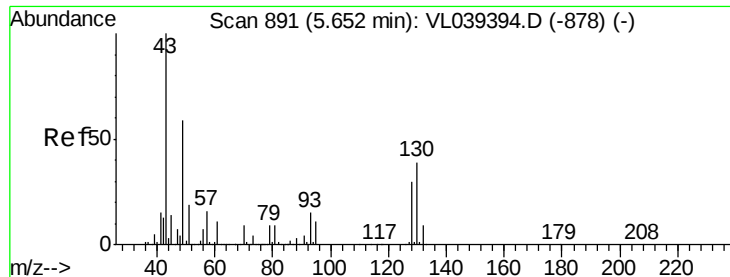
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070522\
 Data File : VL039421.D
 Acq On : 5 Jul 2022 15:46
 Operator : SY/AP
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Quant Time: Jul 06 02:34:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY 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)
44) 2,2,4-Trimethylpentane	7.88	57	4432656	9.644	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1093097	11.904	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1400035	11.077	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1117104	9.826	ppbv	97
48) Dibromochloromethane	10.31	129	1958372	10.838	ppbv	99
49) Bromoform	13.04	173	1627942	11.167	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2783847	10.436	ppbv	99
51) 2-Hexanone	10.14	43	2176178	10.786	ppbv #	100
52) Tetrachloroethene	11.23	164	1023756	9.376	ppbv	99
53) Toluene	9.81	91	3195115	10.213	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1457096	10.300	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1421191	7.834	ppbv	96
57) Chlorobenzene	12.15	112	2433936	7.644	ppbv	98
58) Ethyl Benzene	12.71	91	4335062	8.175	ppbv	97
59) m/p-Xylene	13.00	91	3895232	8.332	ppbv #	38
60) o-Xylene	13.70	91	3544328	8.006	ppbv	99
61) Styrene	13.53	104	2119225	8.837	ppbv	99
62) Isopropylbenzene	14.67	105	5251910	7.790	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1721667	7.420	ppbv	99
64) n-propylbenzene	15.56	120	1383932	8.099	ppbv	99
65) tert-Butylbenzene	16.75	119	4797531	7.701	ppbv	99
66) Benzyl Chloride	17.00	91	266218	4.497	ppbv #	69
67) sec-Butylbenzene	17.30	105	6615386	7.884	ppbv	100
69) p-Isopropyltoluene	17.65	119	5651026	7.937	ppbv	100
70) n-Butylbenzene	18.55	91	5546984	8.027	ppbv	100
71) 2-Chlorotoluene	15.46	91	3871062	8.023	ppbv	100
72) 4-Ethyltoluene	15.84	105	4309476	8.280	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3928097	8.217	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4224582	7.988	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2476558	7.851	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2407918	7.701	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2435078	7.788	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1699955	6.760	ppbv	99
79) Naphthalene	22.19	128	3346081	9.194	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	1104648	8.918	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1925346	8.122	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 15:48

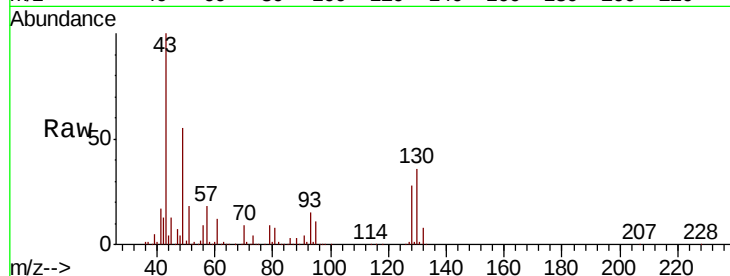
Tot Ion: 49 Resp: 1267095

Ion Ratio Lower Upper

49 100

128 53.6 26.7 80.0

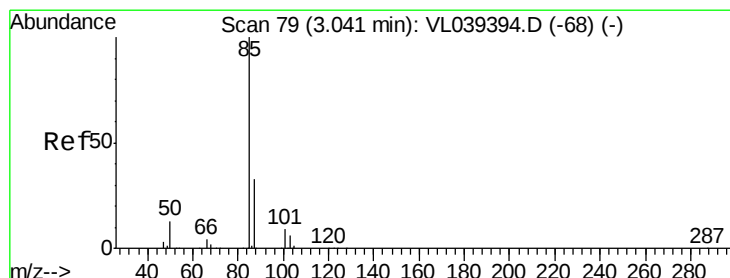
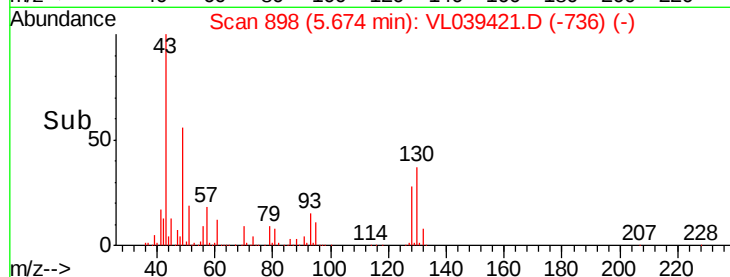
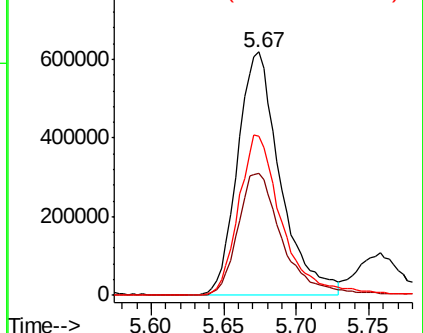
130 67.9 34.3 102.8



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: 10.153 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL039421.D

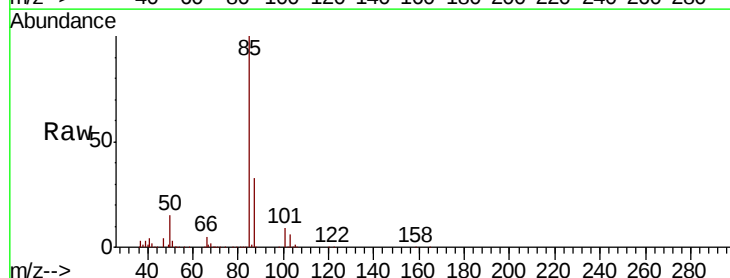
Acq: 5 Jul 2022 15:46

Tgt Ion: 85 Resp: 1855559

Ion Ratio Lower Upper

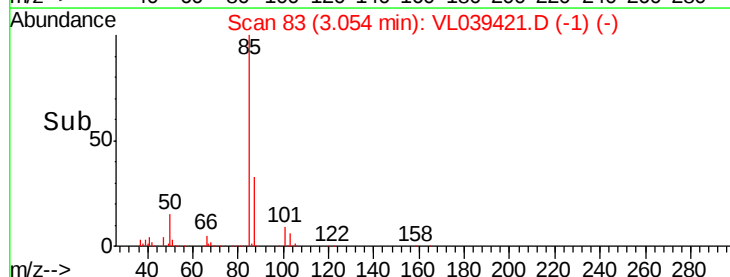
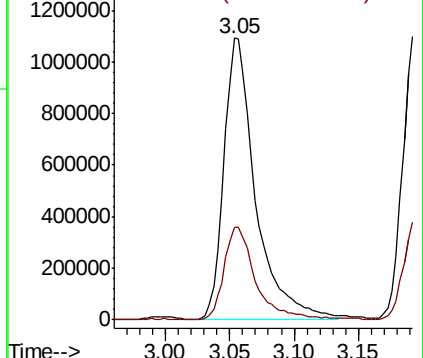
85 100

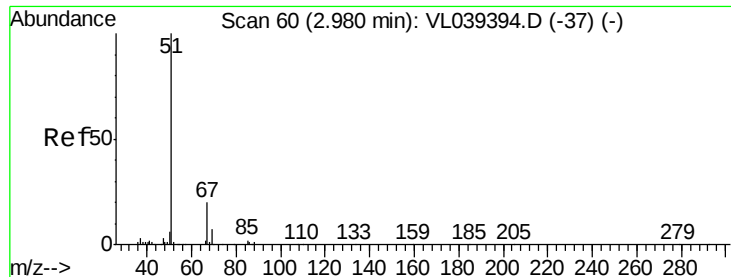
87 32.9 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.079 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0705ABS01

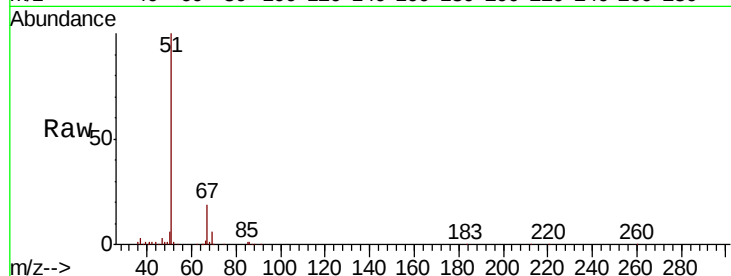
Acq: 5 Jul 2022 15:48

Tot Ion: 51 Resp: 1459515

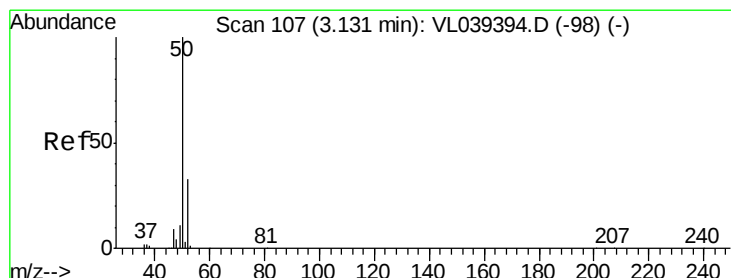
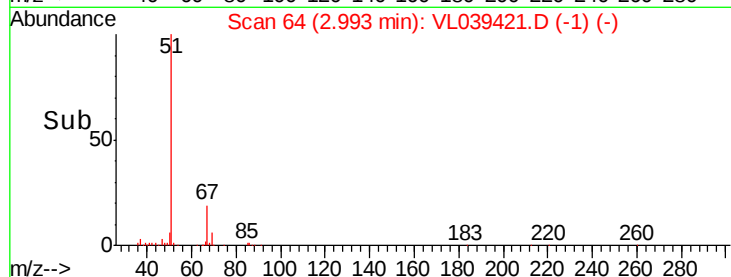
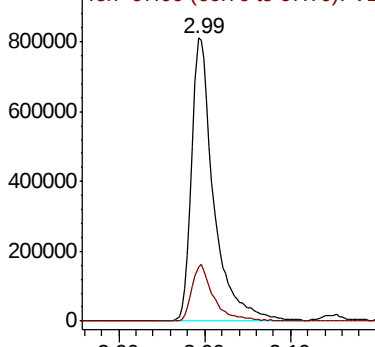
Ion Ratio Lower Upper

51 100

67 19.7 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: 9.080 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL039421.D

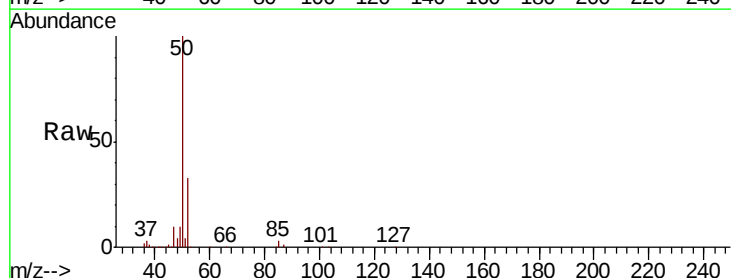
Acq: 5 Jul 2022 15:46

Tgt Ion: 50 Resp: 798344

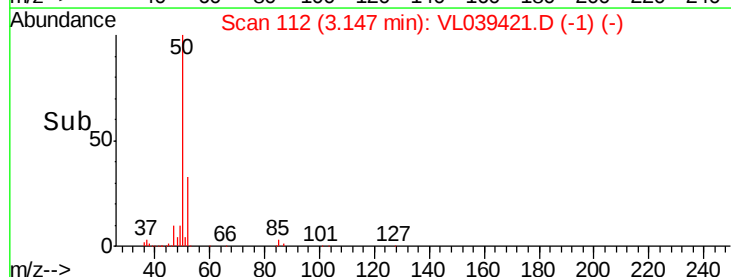
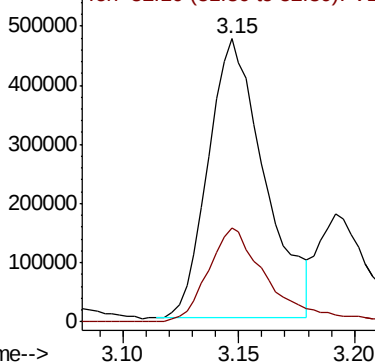
Ion Ratio Lower Upper

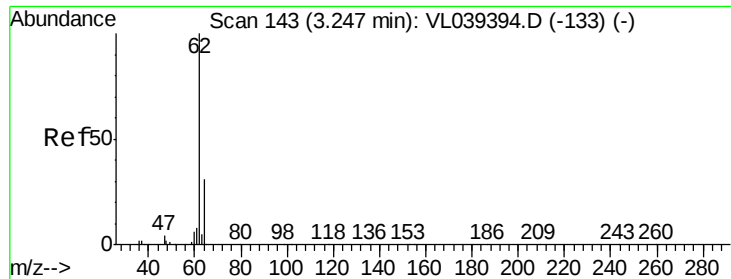
50 100

52 33.4 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:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

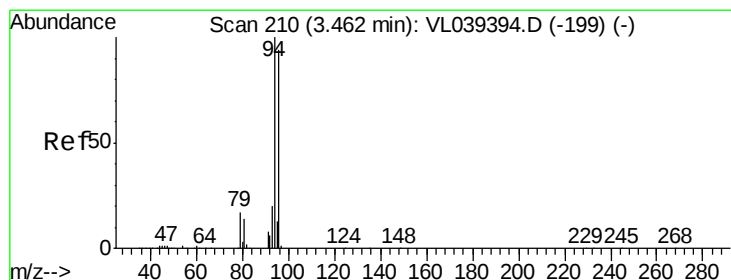
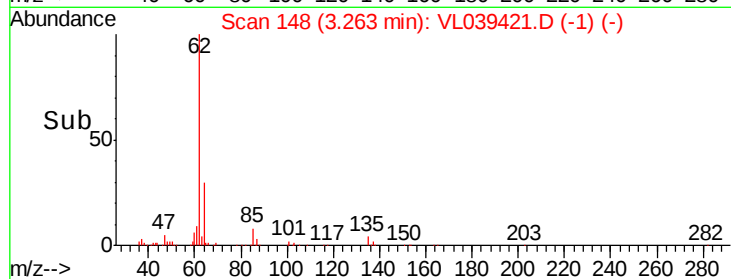
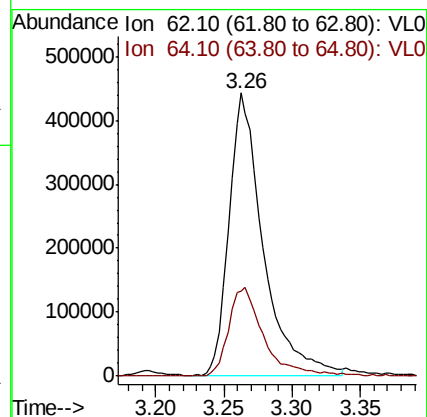
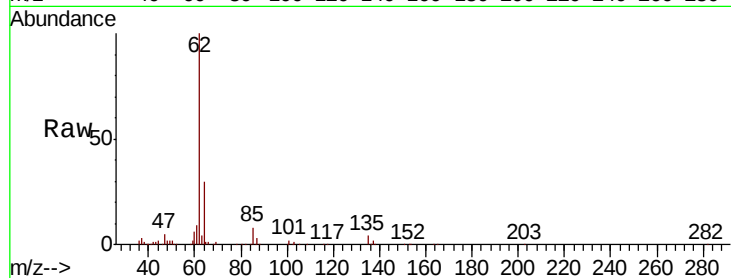
Acq: 5 Jul 2022 15:48 VL0705ABS01

Tot Ion: 62 Resp: 771878

Ion Ratio Lower Upper

62 100

64 30.1 24.6 36.8



#6

Bromomethane

Concen: 9.385 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.02 min

Lab File: VL039421.D

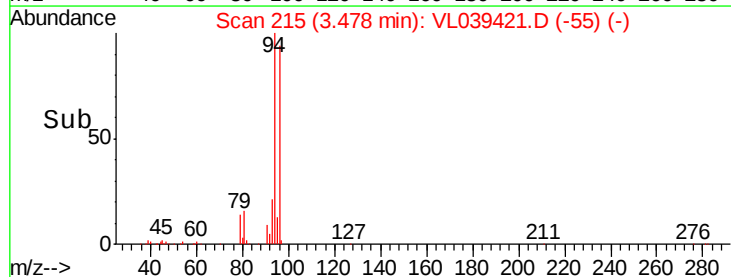
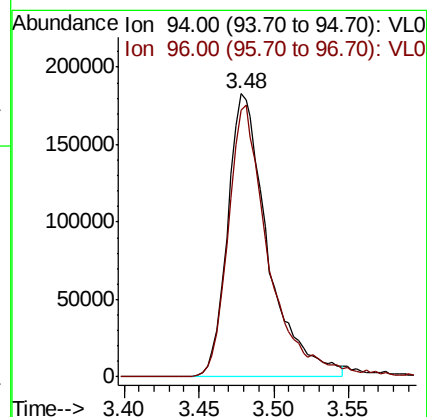
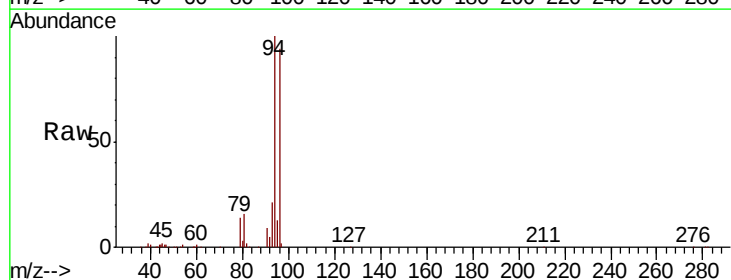
Acq: 5 Jul 2022 15:46

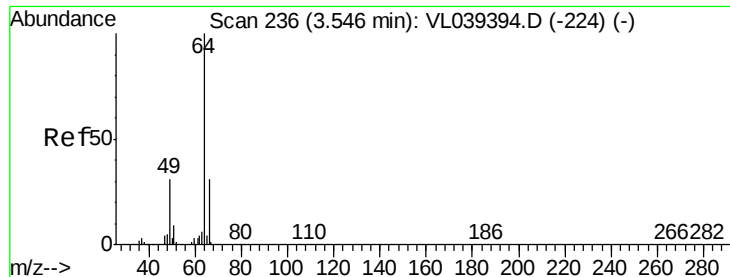
Tgt Ion: 94 Resp: 342444

Ion Ratio Lower Upper

94 100

96 94.0 75.6 113.4





#7

Chloroethane

Concen: 8.826 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

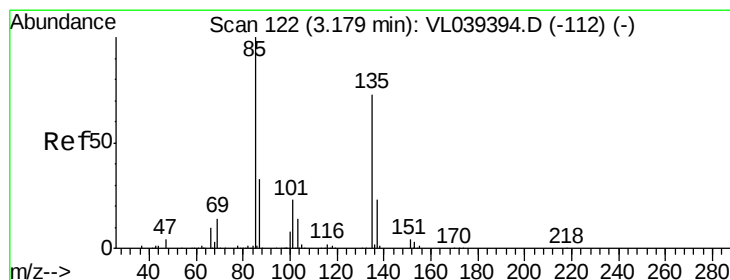
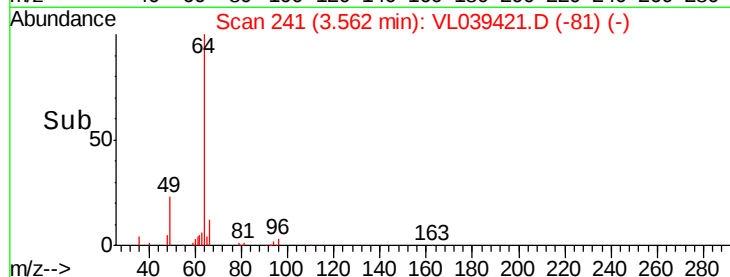
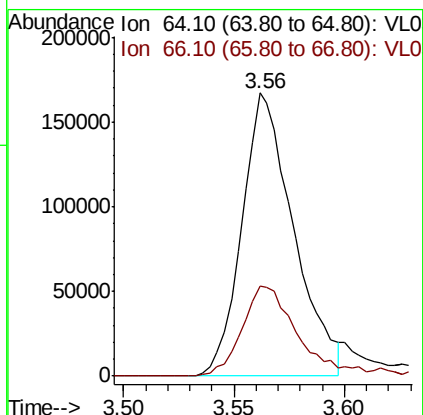
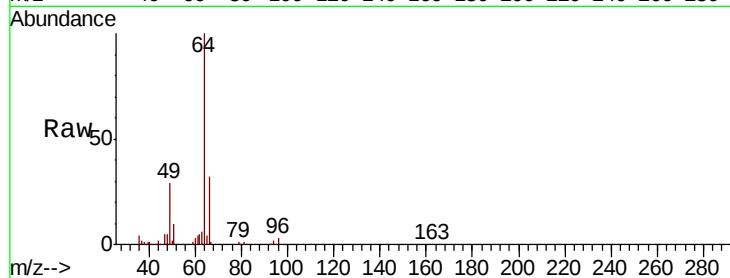
Acq: 5 Jul 2022 15:48 VL0705ABS01

Tot Ion: 64 Resp: 272176

Ion Ratio Lower Upper

64 100

66 31.7 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.528 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL039421.D

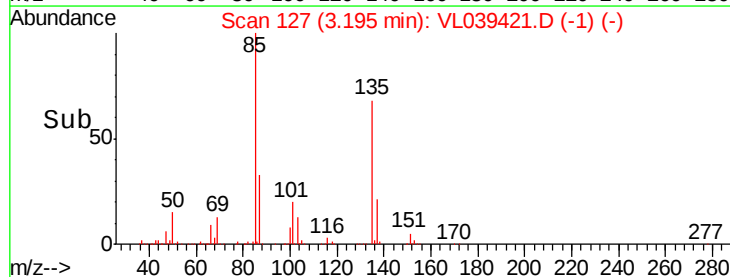
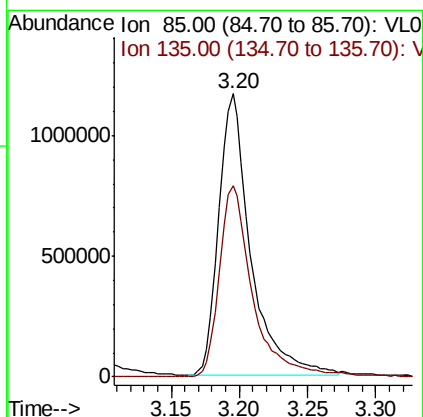
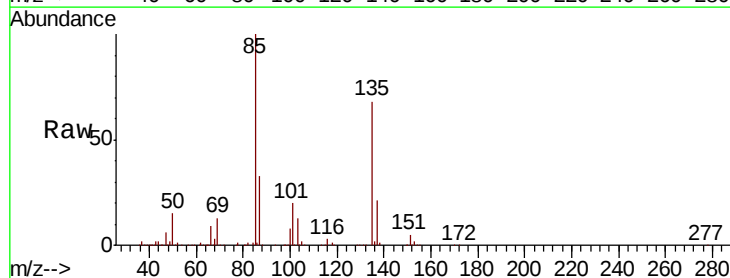
Acq: 5 Jul 2022 15:46

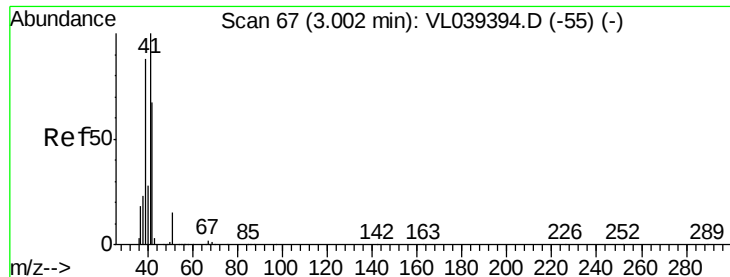
Tgt Ion: 85 Resp: 1902257

Ion Ratio Lower Upper

85 100

135 71.7 59.0 88.4





#9

Propene

Concen: 8.922 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.02

Lab File: ClientSampleId: VL0705ABS01

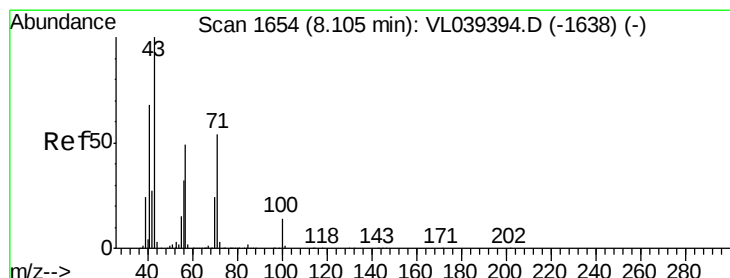
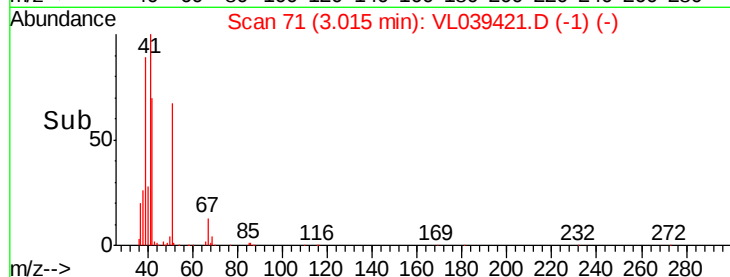
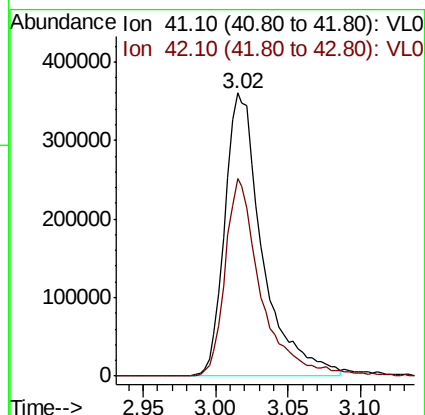
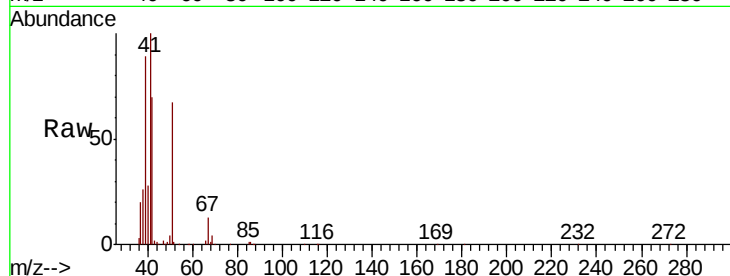
Acq: 5 Jul 2022 15:46

Tot Ion: 41 Resp: 647764

Ion Ratio Lower Upper

41 100

42 67.0 55.2 82.8



#10

Heptane

Concen: 9.845 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.02 min

Lab File: VL039421.D

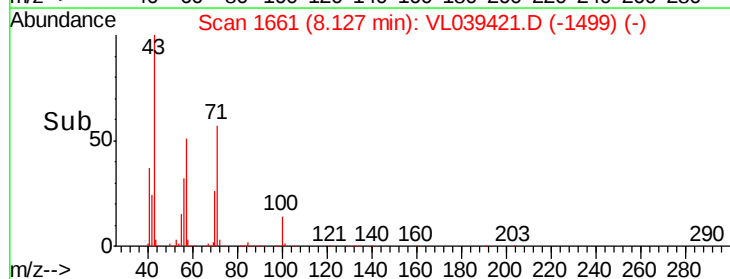
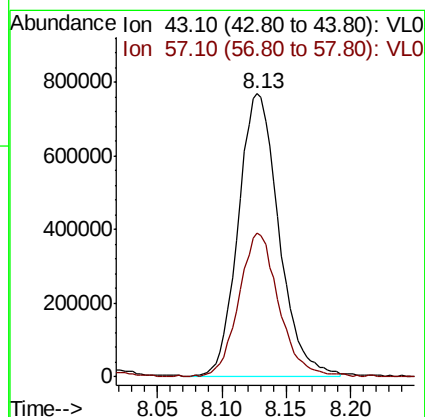
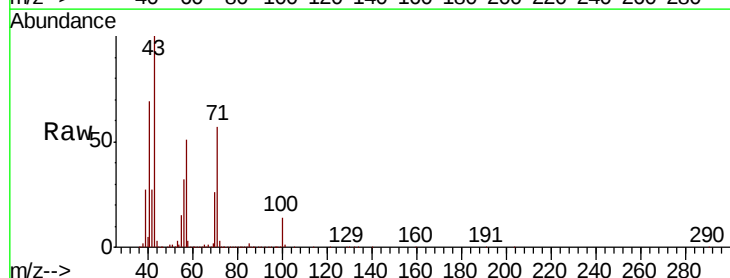
Acq: 5 Jul 2022 15:46

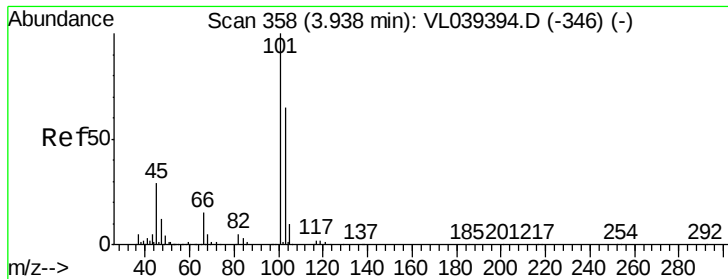
Tgt Ion: 43 Resp: 1673989

Ion Ratio Lower Upper

43 100

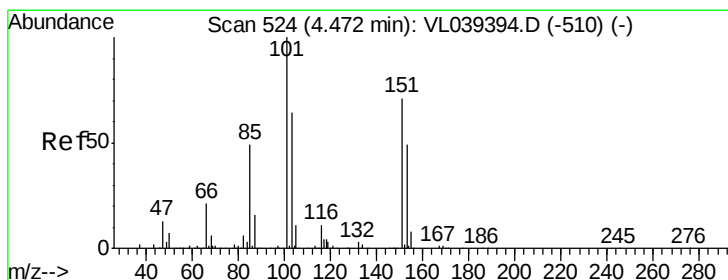
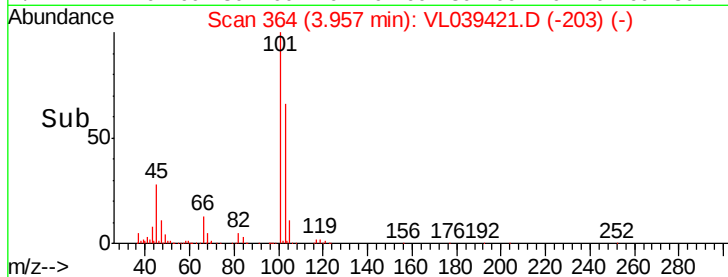
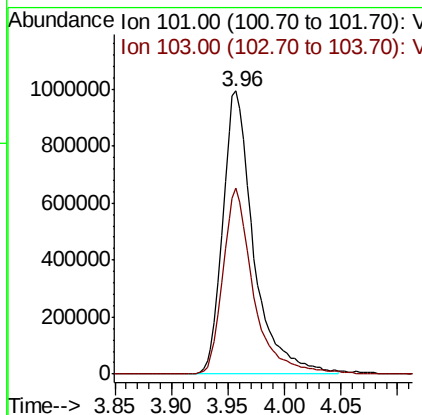
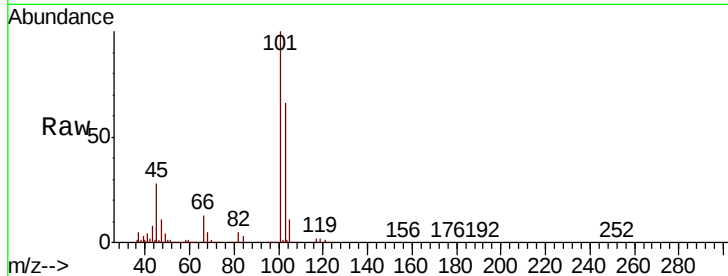
57 50.0 40.5 60.7





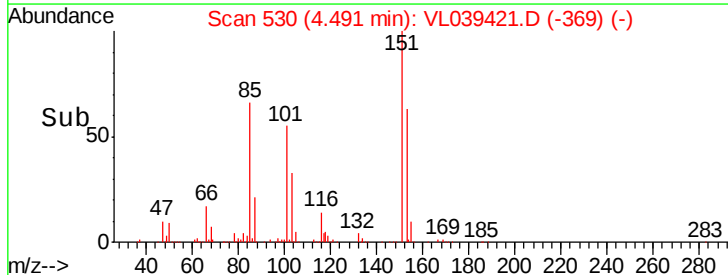
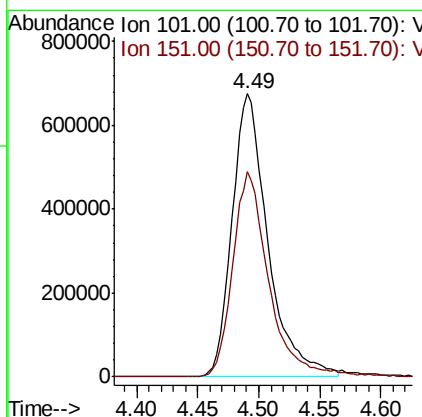
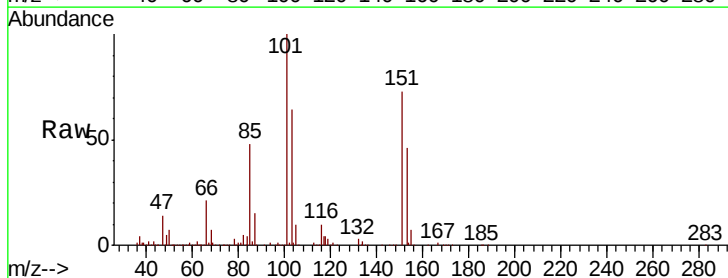
#11
 Trichlorofluoromethane
 Concen: 9.288 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0705ABS01
 Acq: 5 Jul 2022 15:48

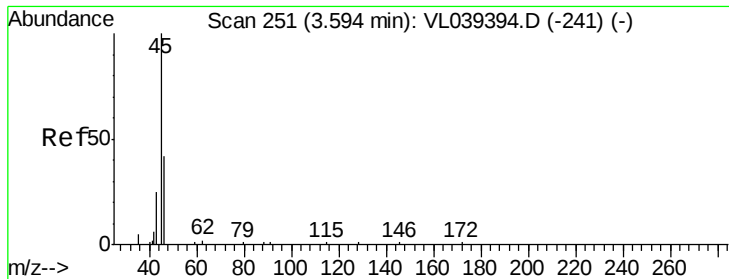
Tot Ion:101 Resp: 1891580
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.104 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T.: 0.02 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

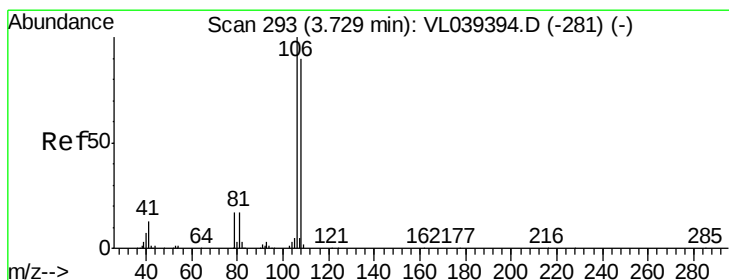
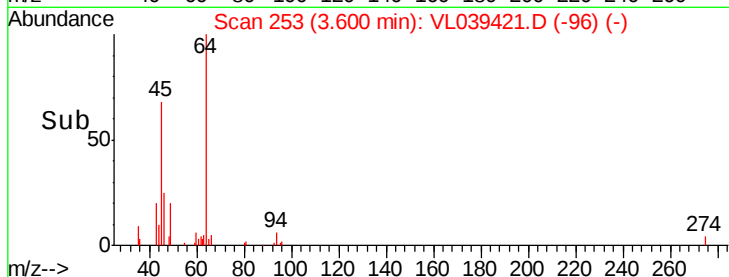
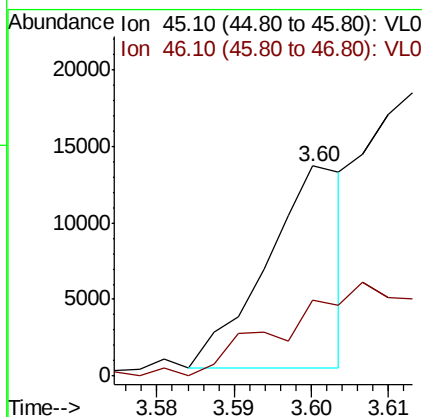
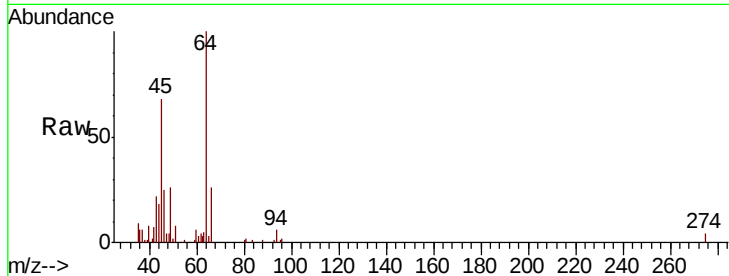
Tgt Ion:101 Resp: 1382238
 Ion Ratio Lower Upper
 101 100
 151 73.0 58.9 88.3





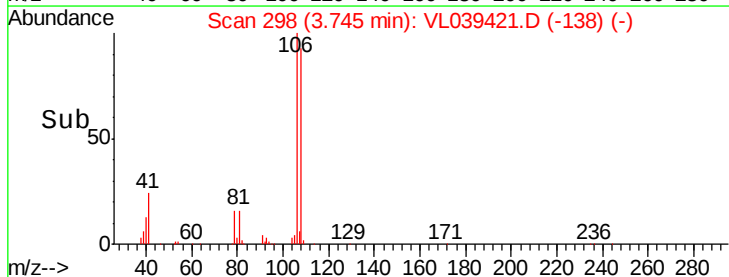
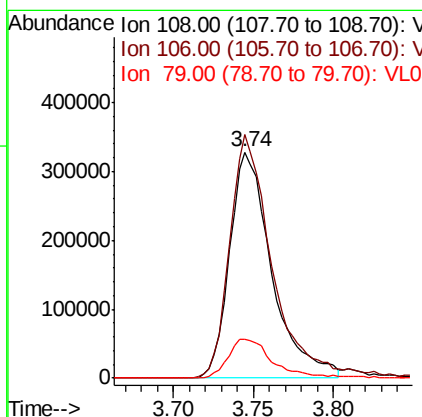
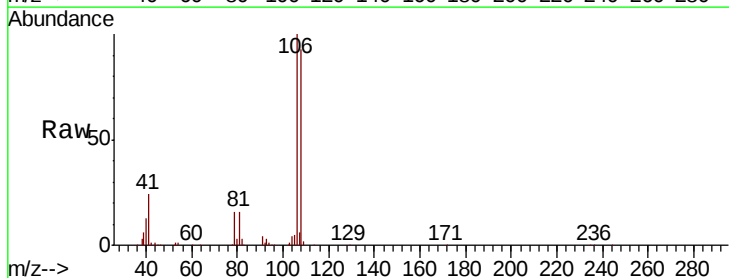
#13
 Ethanol
 Concen: 2.200 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0705ABS01
 Acq: 5 Jul 2022 15:48

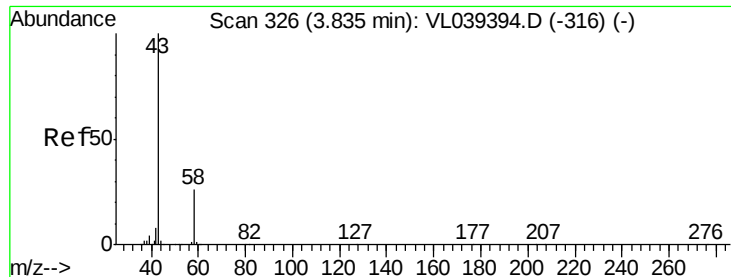
Tot Ion: 45 Resp: 9266
 Ion Ratio Lower Upper
 45 100
 46 180.0 22.8 91.2#



#14
 Bromoethene
 Concen: 9.242 ppbv
 RT: 3.74 min Scan# 298
 Delta R.T. 0.02 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

Tgt Ion: 108 Resp: 589913
 Ion Ratio Lower Upper
 108 100
 106 111.1 87.1 130.7
 79 18.7 14.6 22.0





#15

Acetone

Concen: 9.246 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

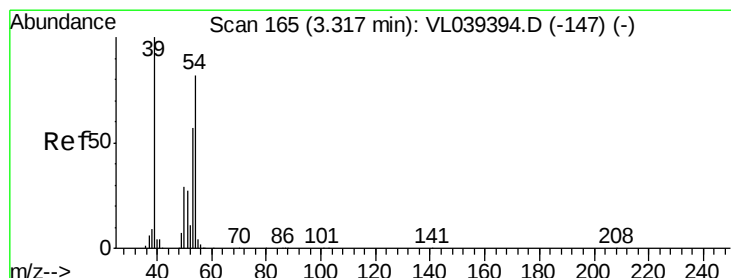
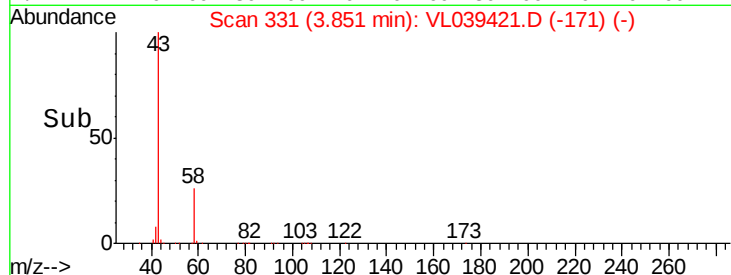
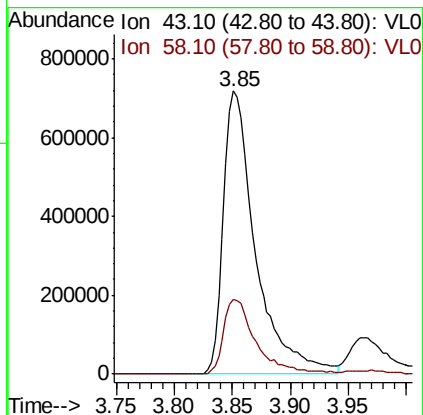
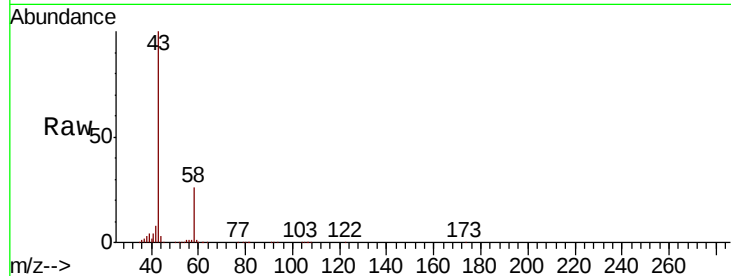
Acq: 5 Jul 2022 15:48

Tot Ion: 43 Resp: 1386054

Ion Ratio Lower Upper

43 100

58 26.4 21.0 31.6



#16

1,3-Butadiene

Concen: 9.612 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.02 min

Lab File: VL039421.D

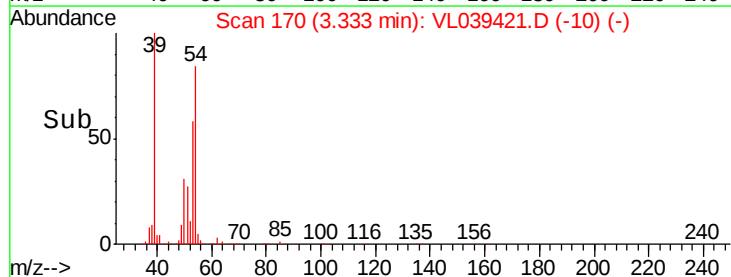
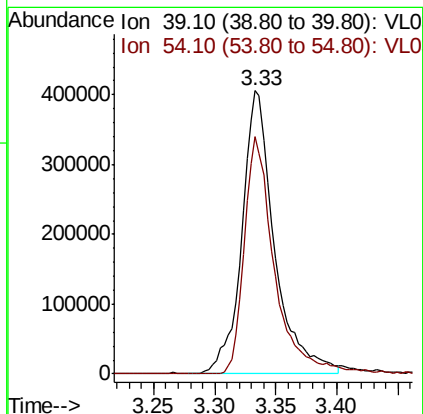
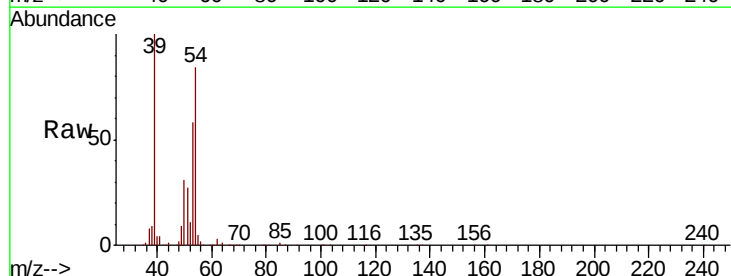
Acq: 5 Jul 2022 15:46

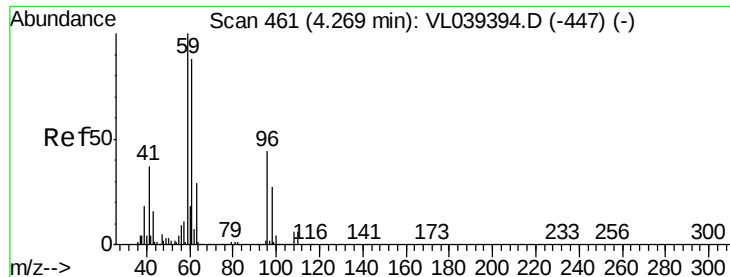
Tgt Ion: 39 Resp: 747604

Ion Ratio Lower Upper

39 100

54 78.2 63.7 95.5





#17

tert-Butyl alcohol

Concen: 10.279 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

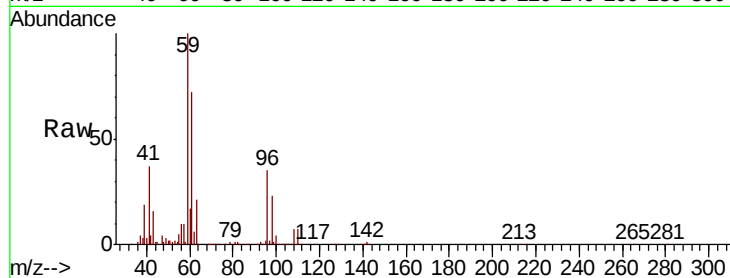
Acq: 5 Jul 2022 15:48

Tot Ion: 59 Resp: 1307864

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

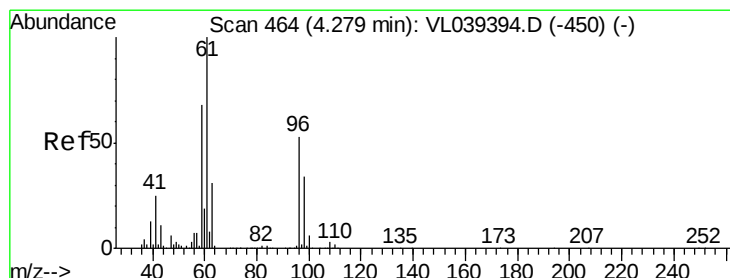
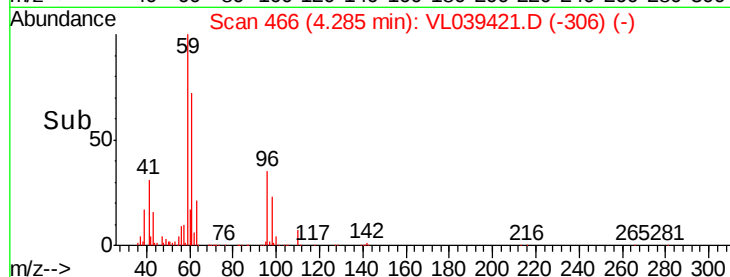
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.303 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL039421.D

Acq: 5 Jul 2022 15:46

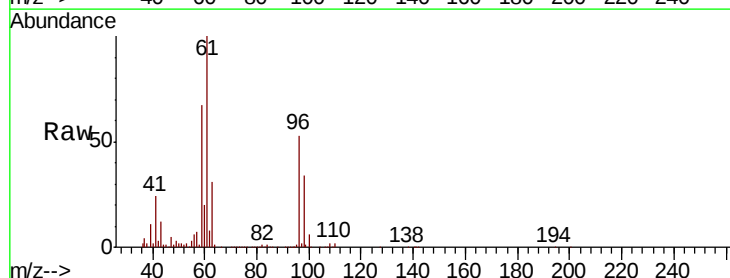
Tgt Ion: 96 Resp: 639868

Ion Ratio Lower Upper

96 100

61 188.5 152.2 228.4

98 64.1 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

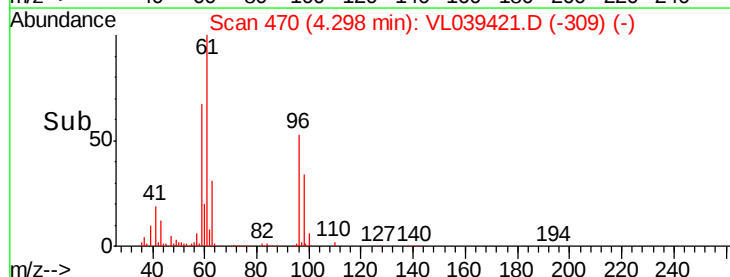
600000

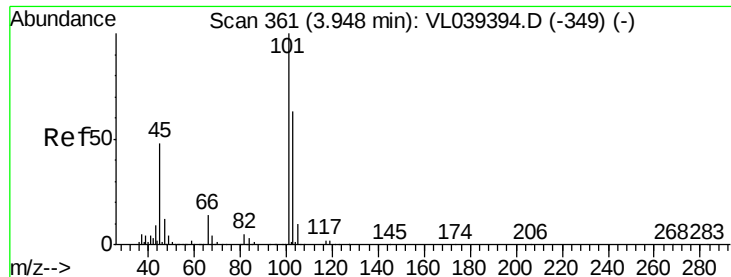
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.701 ppbv

RT: 3.97 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

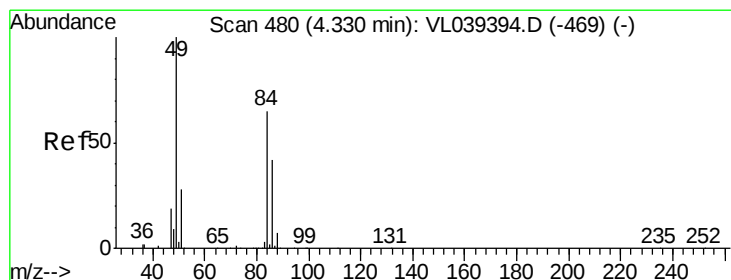
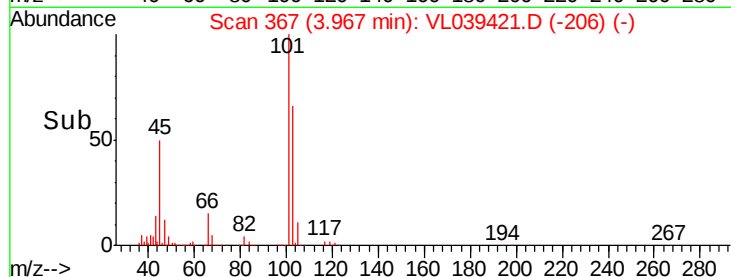
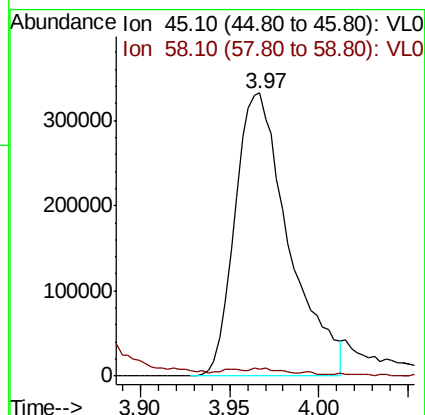
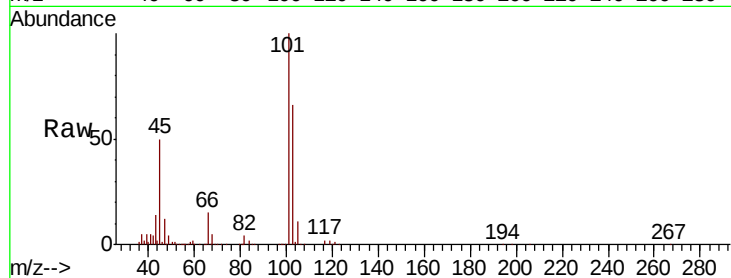
Acq: 5 Jul 2022 15:40

Tot Ion: 45 Resp: 695767

Ion Ratio Lower Upper

45 100

58 3.6 3.2 4.8



#20

Methylene Chloride

Concen: 8.745 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL039421.D

Acq: 5 Jul 2022 15:46

Tgt Ion: 84 Resp: 522513

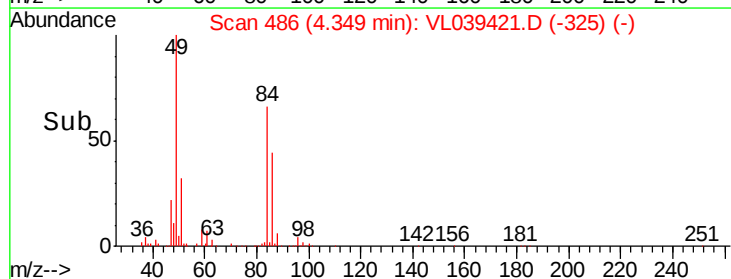
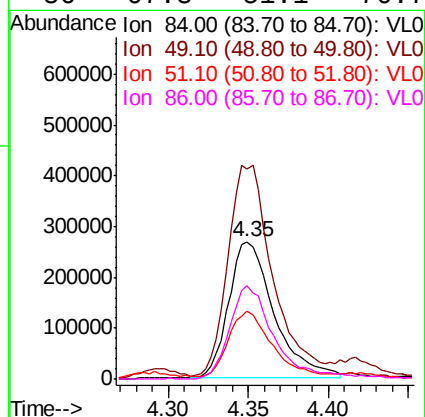
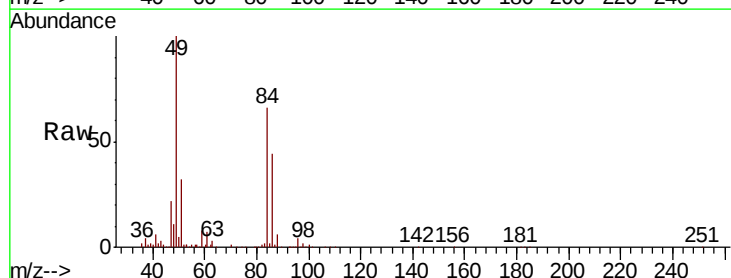
Ion Ratio Lower Upper

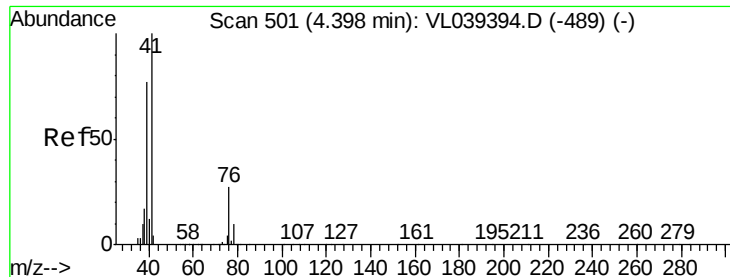
84 100

49 151.1 123.1 184.7

51 47.8 34.4 51.6

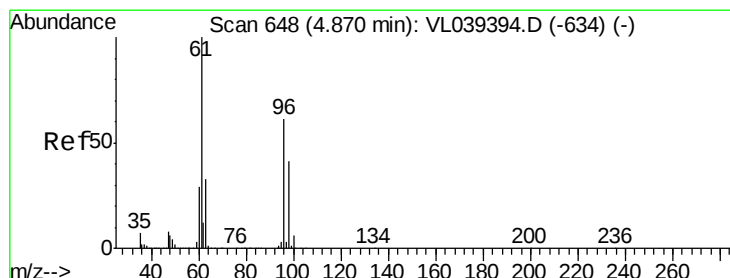
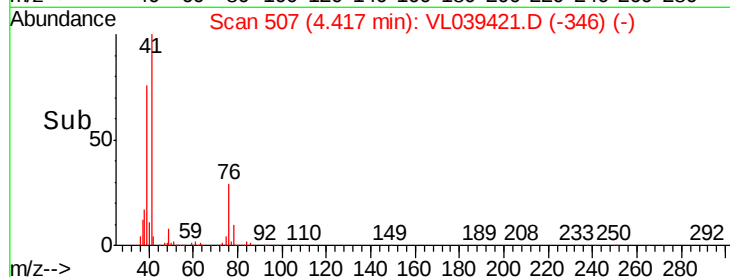
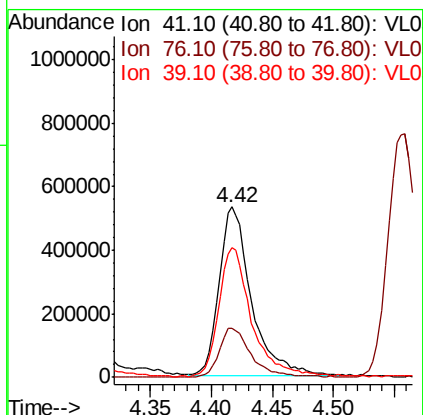
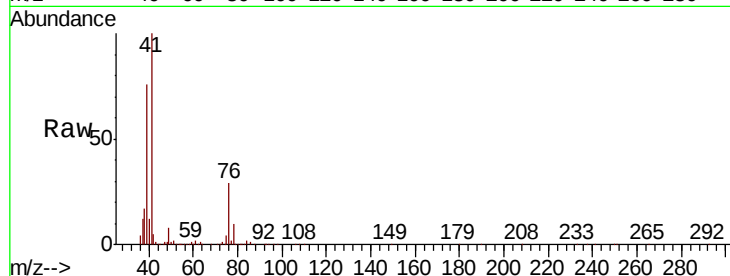
86 67.8 51.1 76.7





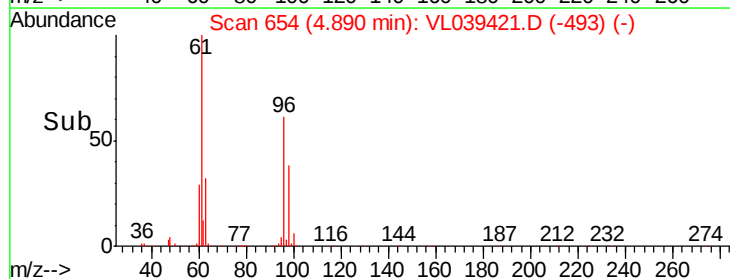
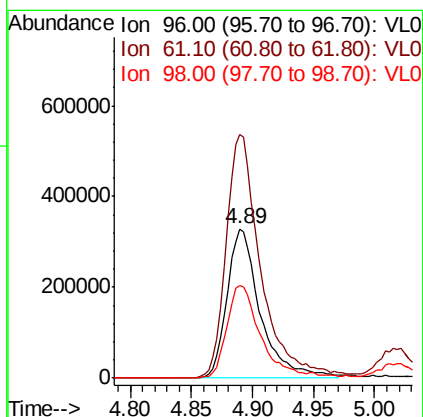
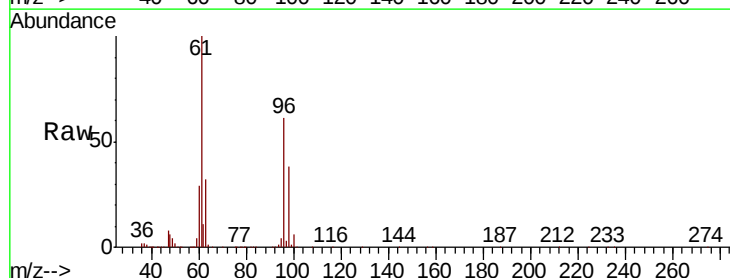
#21
Allvl Chloride
Concen: 9.510 ppbv
RT: 4.42
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0705ABS01
Acq: 5 Jul 2022 15:48

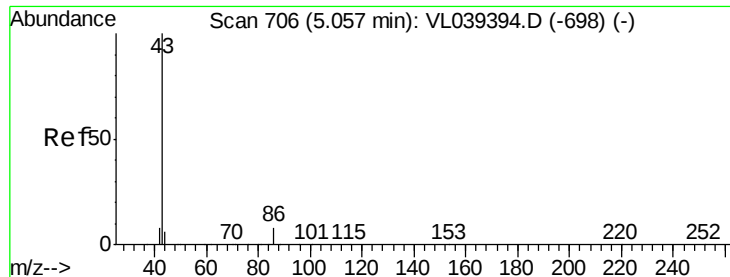
Tot Ion: 41 Resp: 987418
Ion Ratio Lower Upper
41 100
76 29.7 24.4 36.6
39 77.9 63.5 95.3



#22
trans-1,2-Dichloroethene
Concen: 9.438 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.02 min
Lab File: VL039421.D
Acq: 5 Jul 2022 15:46

Tgt Ion: 96 Resp: 628372
Ion Ratio Lower Upper
96 100
61 162.9 130.6 195.8
98 62.0 53.4 80.0

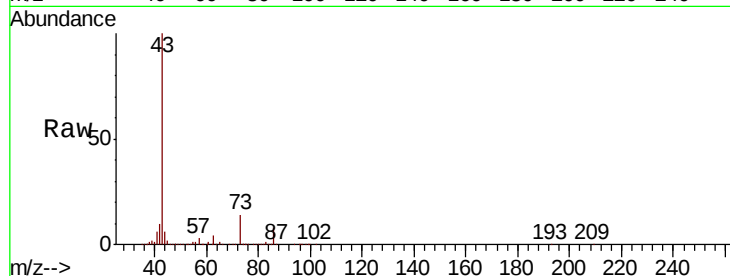




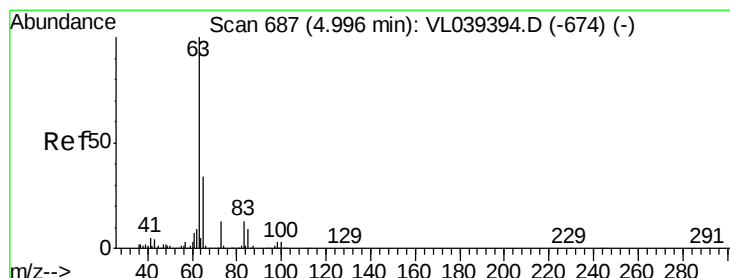
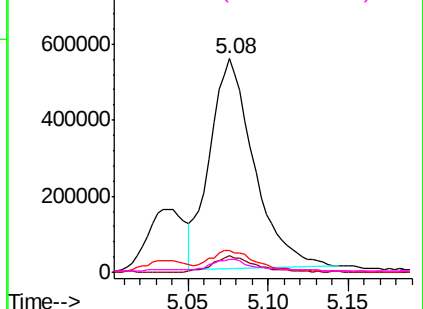
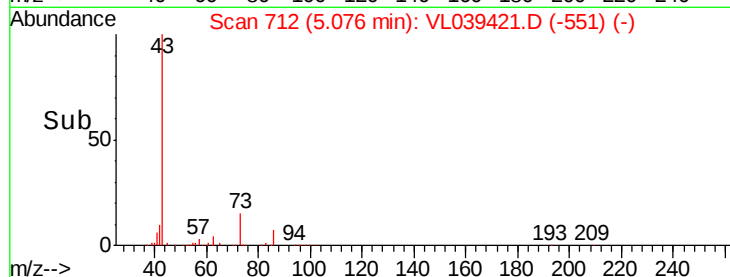
#23
 Vinyl Acetate
 Concen: 10.515 ppbv
 RT: 5.08
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0705ABS01
 Acq: 5 Jul 2022 15:48

Tot Ion: 43 Resp: 1053431

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.0	7.6
42	9.9	7.7	11.5
44	6.0	4.6	7.0



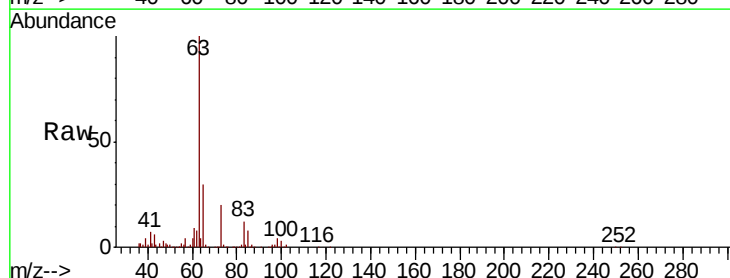
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



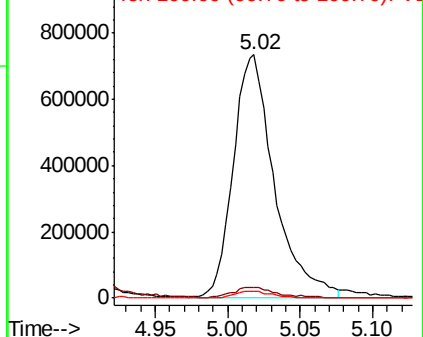
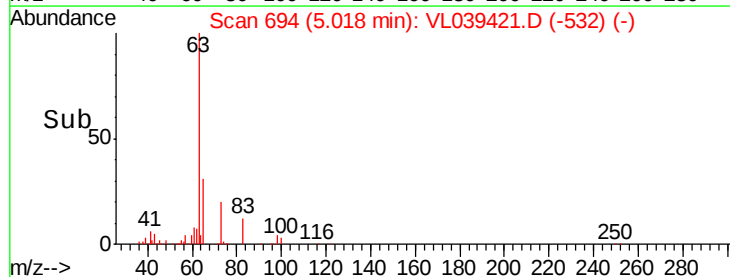
#24
 1,1-Dichloroethane
 Concen: 10.133 ppbv
 RT: 5.02 min Scan# 694
 Delta R.T. 0.02 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

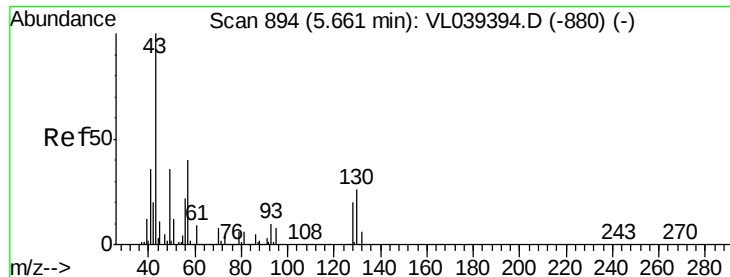
Tgt Ion: 63 Resp: 1433738

Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.8	5.3
100	2.6	1.5	4.4



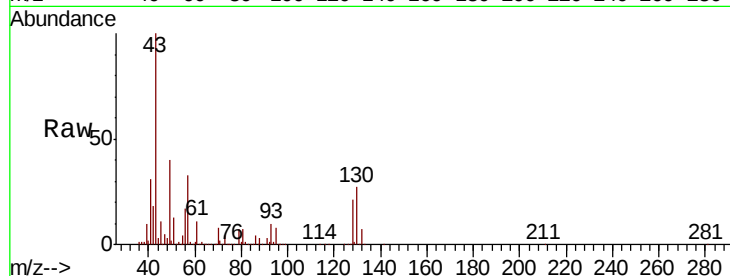
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0



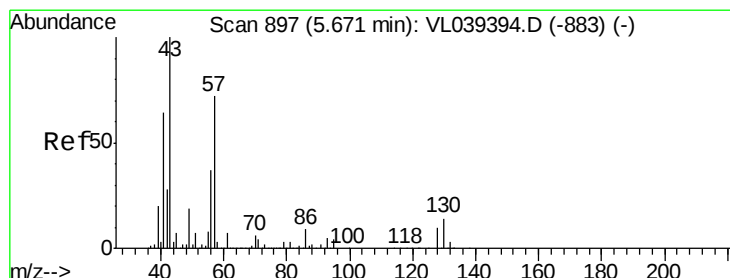
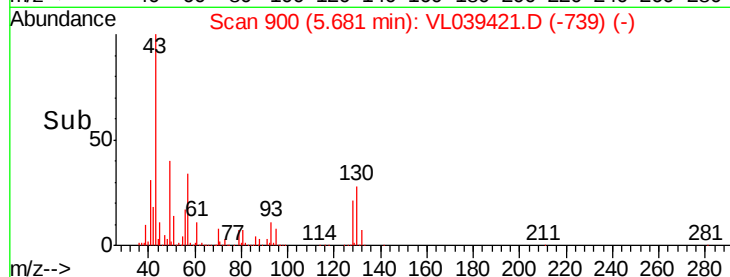
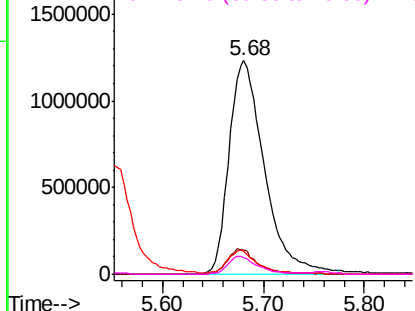


#25
Ethyl Acetate
Concen: 9.734 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0705ABS01
Acq: 5 Jul 2022 15:48

Tot Ion:	43	Resp:	2991907
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.7	8.3	12.5
70	7.3	5.9	8.9

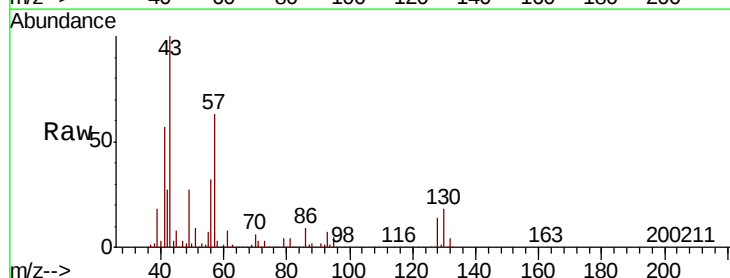


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

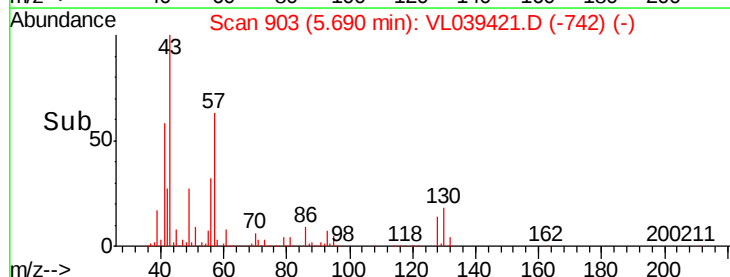
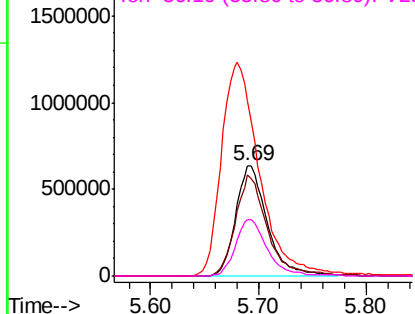


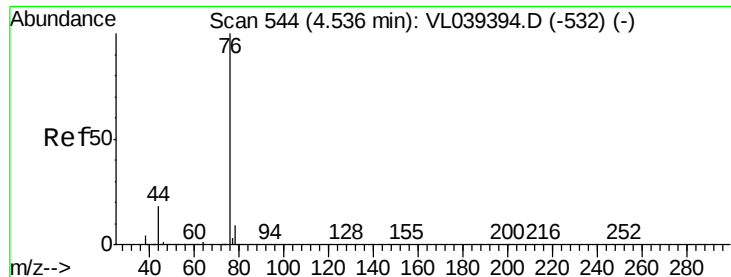
#26
Hexane
Concen: 10.459 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL039421.D
Acq: 5 Jul 2022 15:46

Tgt Ion:	57	Resp:	1295884
Ion	Ratio	Lower	Upper
57	100		
41	92.7	76.9	115.3
43	233.4	191.0	286.6
56	52.4	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: 10.288 ppbv

RT: 4.56 Instrument: MSVOA_1

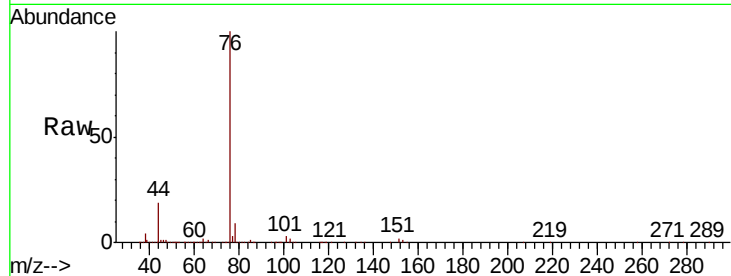
Delta R.T. ClientSampleId:

Lab File: VL0705ABS01

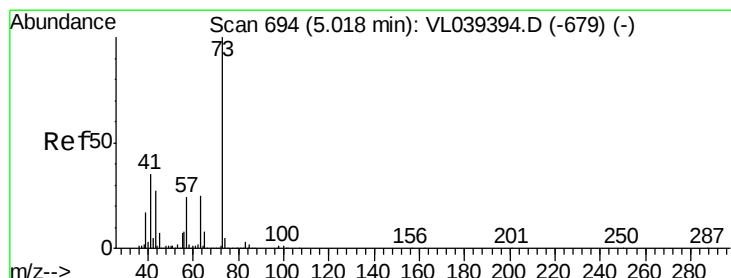
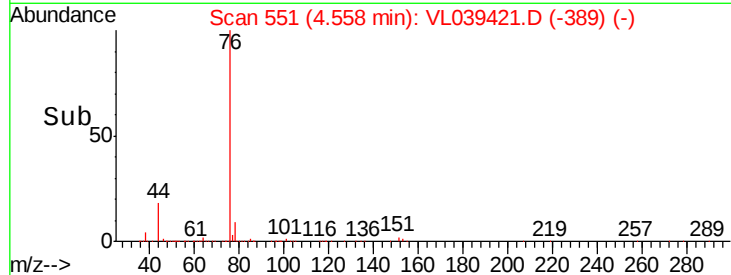
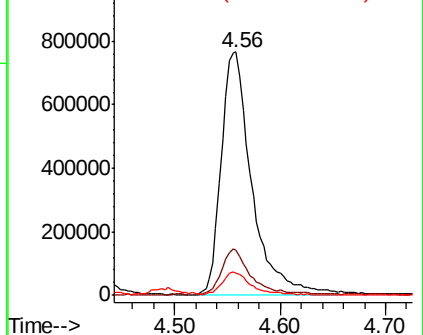
Acq: 5 Jul 2022 15:48

Tot Ion: 76 Resp: 1538595

Ion	Ratio	Lower	Upper
76	100		
44	18.0	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: 10.419 ppbv

RT: 5.04 min Scan# 700

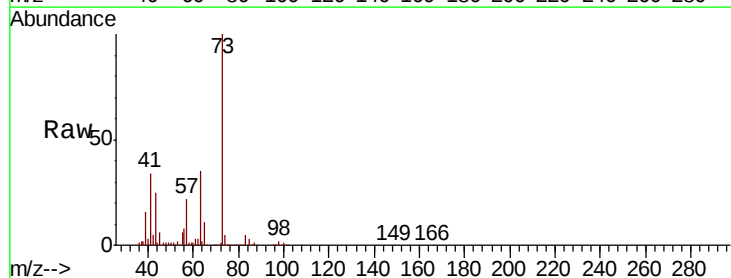
Delta R.T. 0.02 min

Lab File: VL039421.D

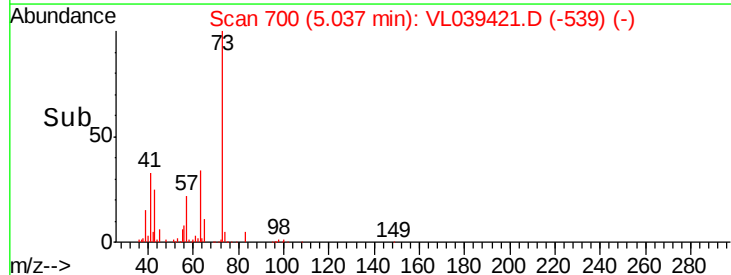
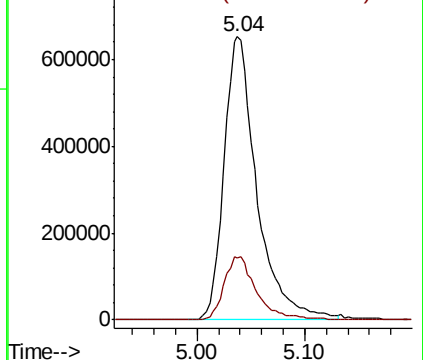
Acq: 5 Jul 2022 15:46

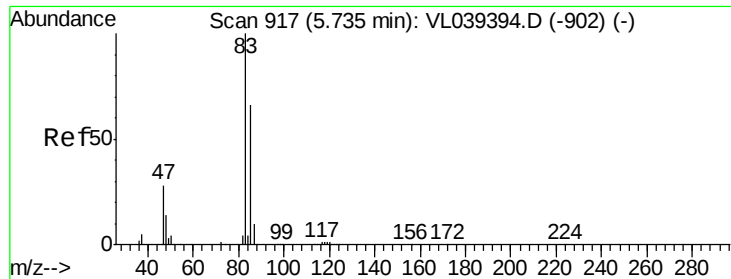
Tgt Ion: 73 Resp: 1380228

Ion	Ratio	Lower	Upper
73	100		
57	22.5	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: 9.395 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0705ABS01

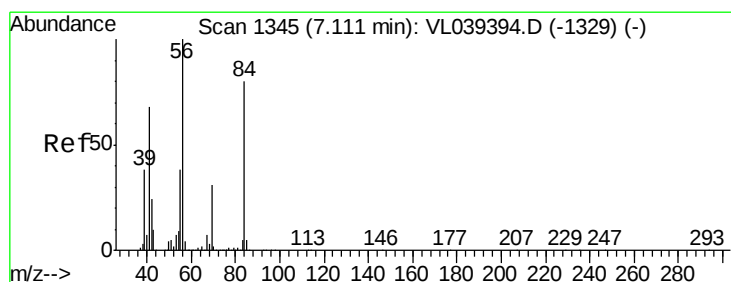
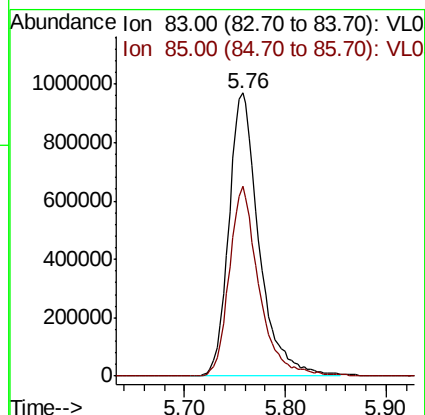
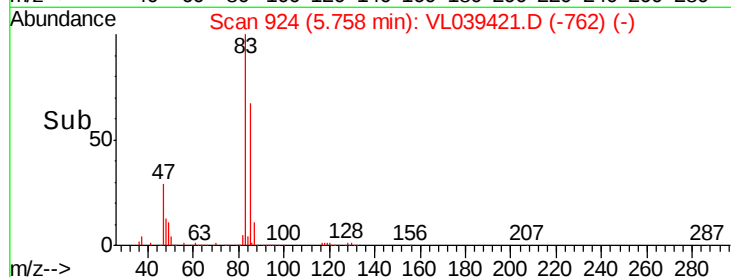
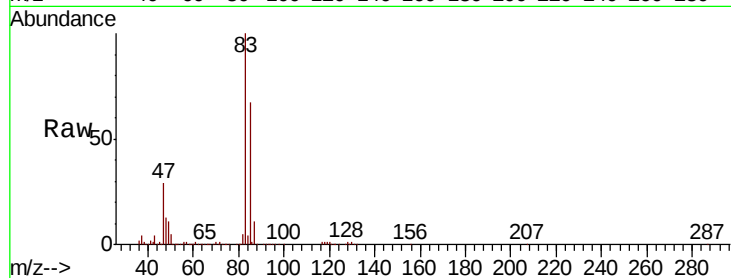
Acq: 5 Jul 2022 15:48

Tot Ion: 83 Resp: 2024109

Ion Ratio Lower Upper

83 100

85 66.9 52.8 79.2



#30

Cyclohexane

Concen: 9.847 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.03 min

Lab File: VL039421.D

Acq: 5 Jul 2022 15:46

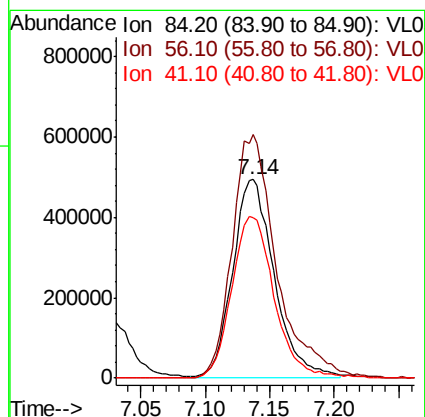
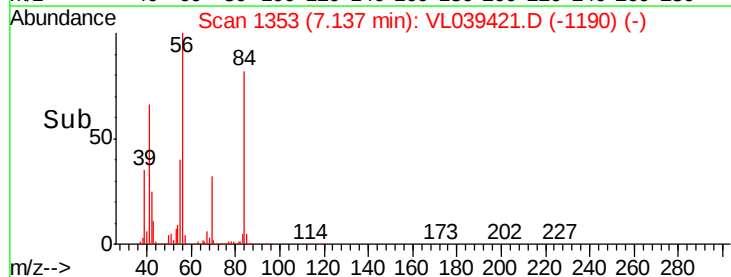
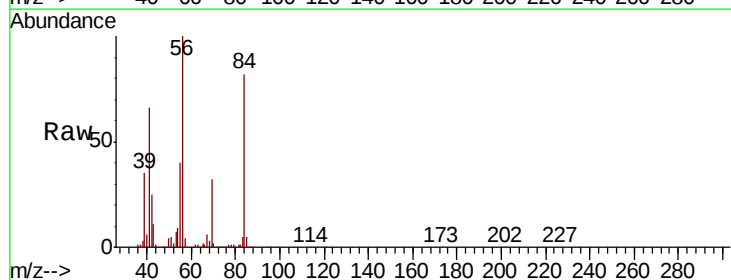
Tgt Ion: 84 Resp: 1110790

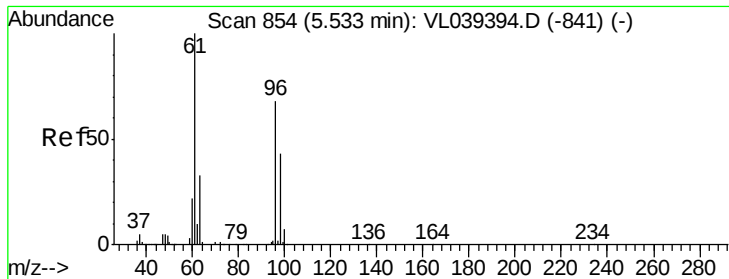
Ion Ratio Lower Upper

84 100

56 131.7 107.7 161.5

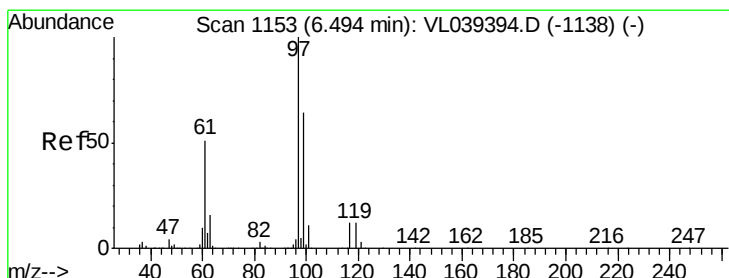
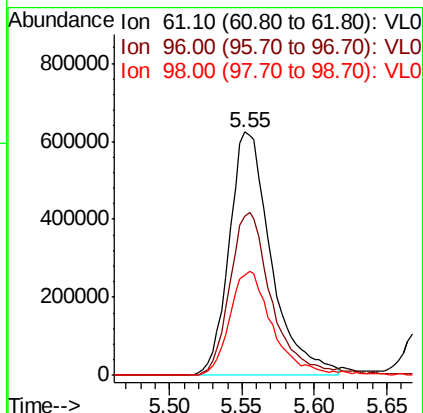
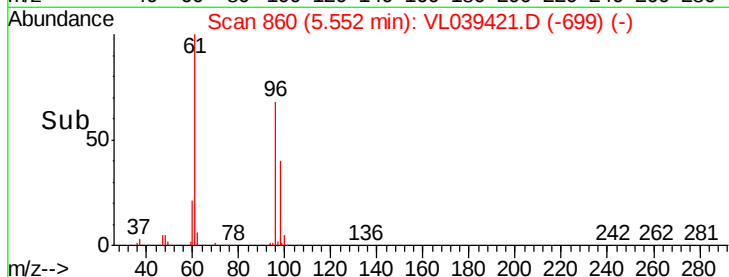
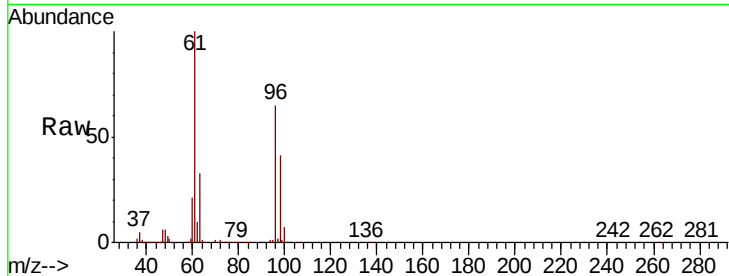
41 83.8 67.7 101.5





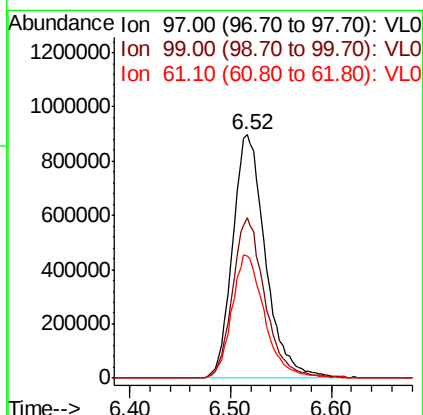
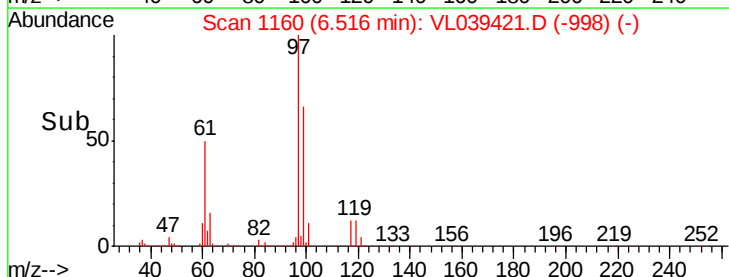
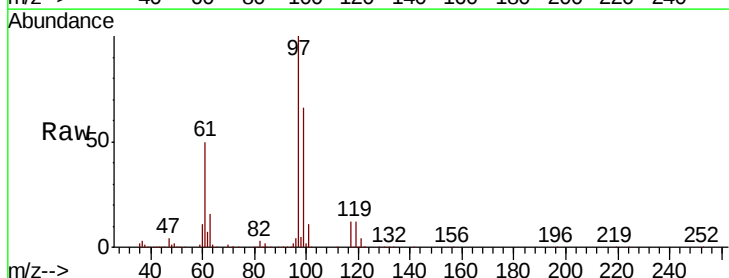
#31
 cis-1,2-Dichloroethene
 Concen: 9.525 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0705ABS01
 Acq: 5 Jul 2022 15:48

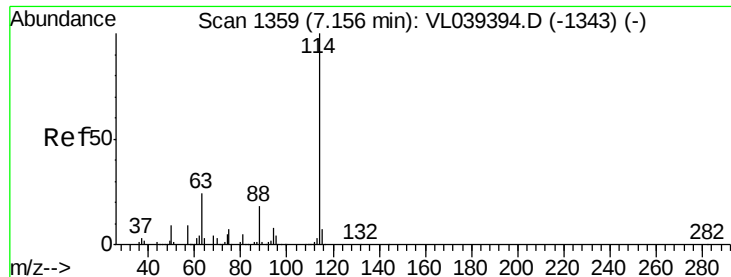
Tot Ion: 61 Resp: 1252202
 Ion Ratio Lower Upper
 61 100
 96 65.5 54.1 81.1
 98 41.1 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 9.551 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.02 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

Tgt Ion: 97 Resp: 2031105
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.3 78.5
 61 50.9 40.9 61.3

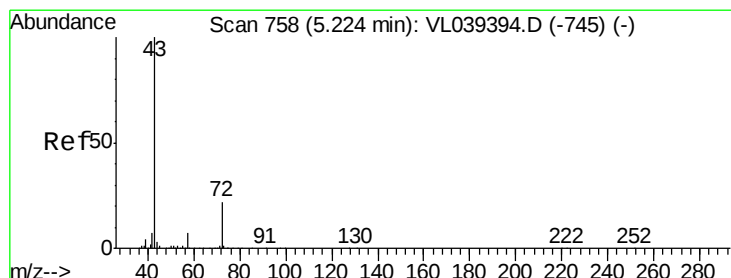
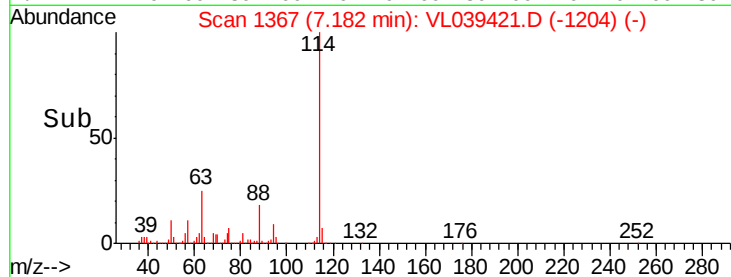
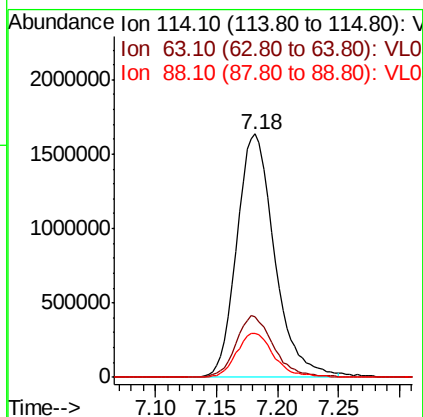
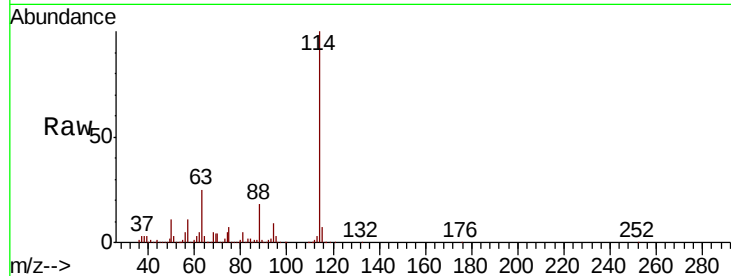




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0705ABS01
 Acq: 5 Jul 2022 15:48

Tot Ion:114 Resp: 3504482

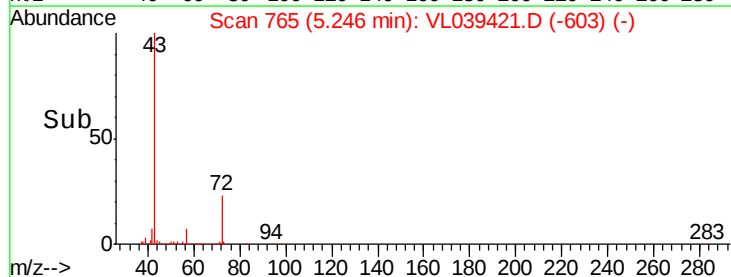
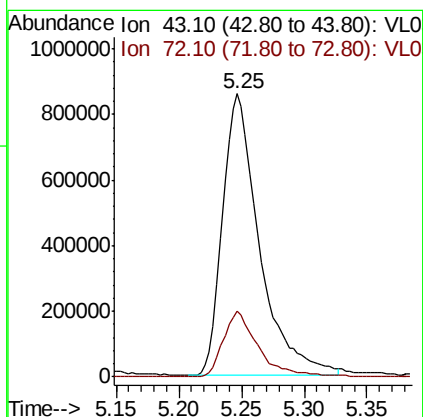
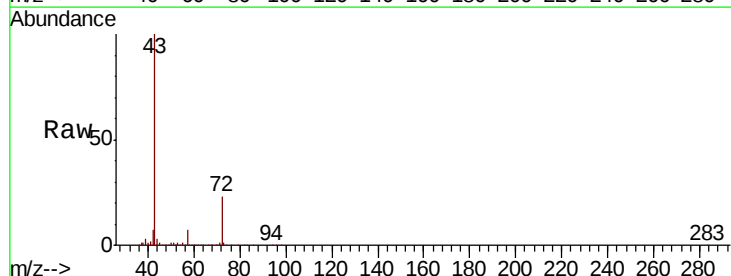
Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.2	30.4
88	18.2	14.5	21.7

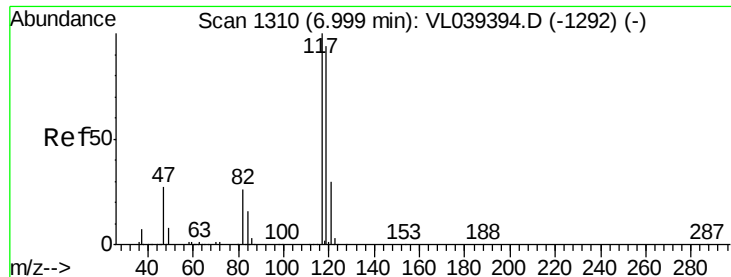


#34
 2-Butanone
 Concen: 9.929 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

Tgt Ion: 43 Resp: 1751564

Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.9	26.9





#35

Carbon Tetrachloride

Concen: 9.994 ppbv

RT: 7.02

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 Jul 2022 15:48

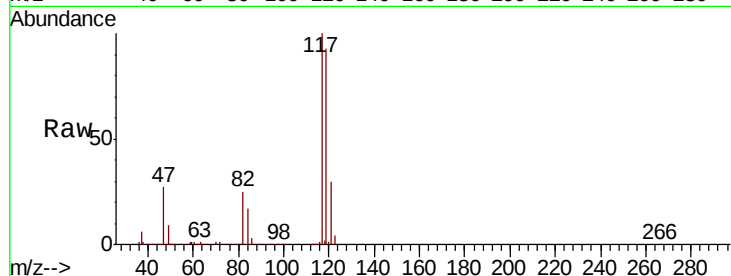
Tot Ion:117 Resp: 2164132

Ion Ratio Lower Upper

117 100

119 93.1 75.4 113.2

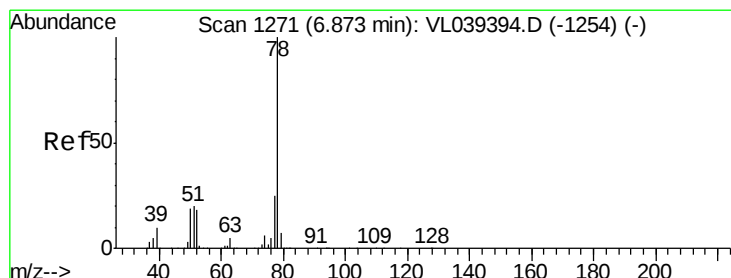
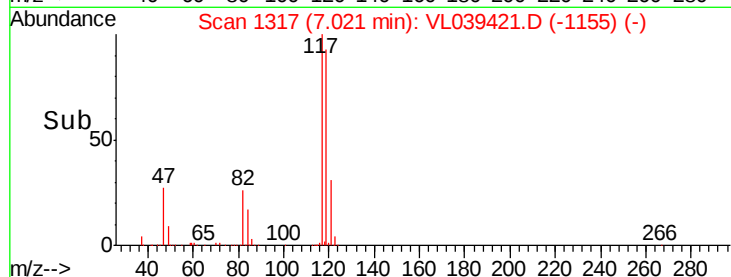
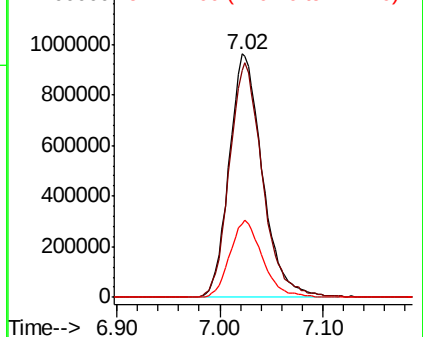
121 30.3 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.689 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.02 min

Lab File: VL039421.D

Acq: 5 Jul 2022 15:46

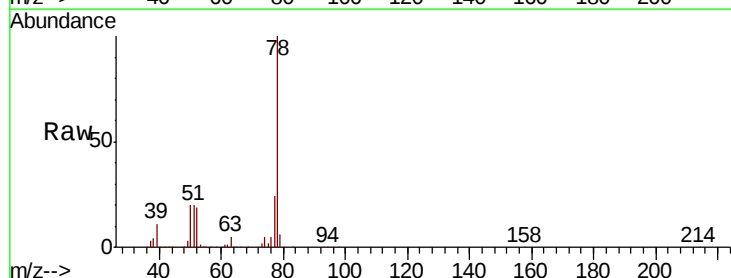
Tgt Ion: 78 Resp: 2627839

Ion Ratio Lower Upper

78 100

77 23.7 20.3 30.5

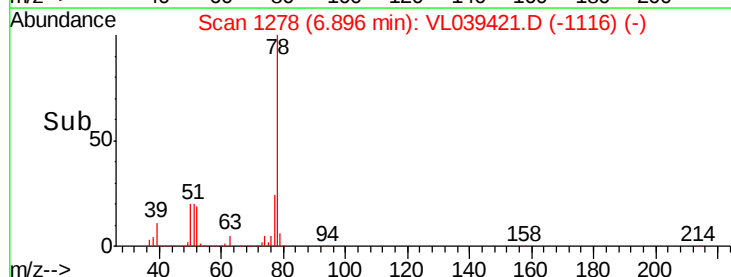
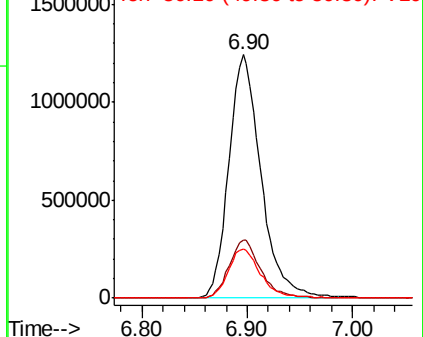
50 19.9 15.5 23.3

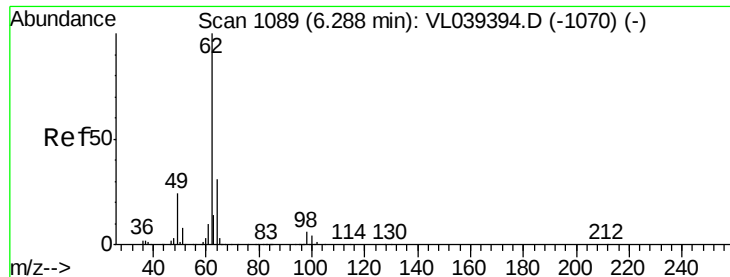


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

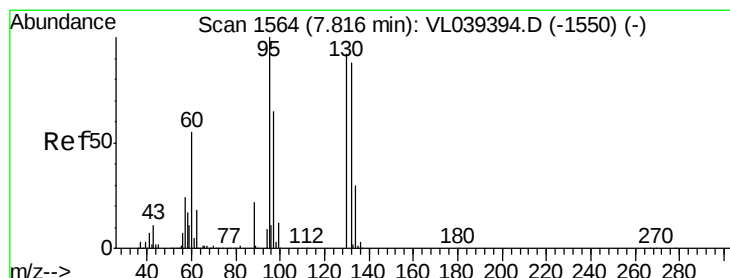
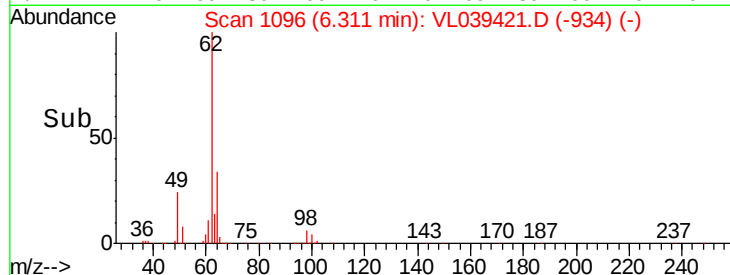
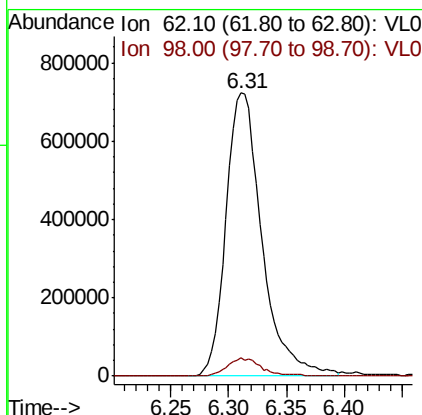
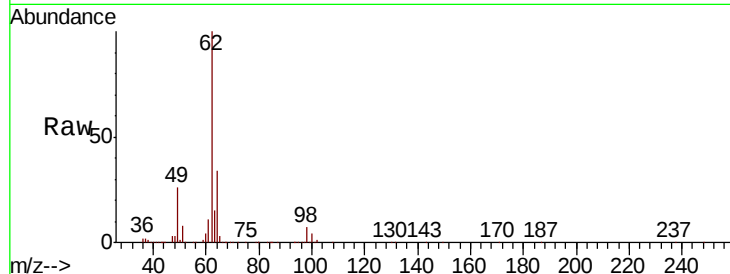
Ion 50.10 (49.80 to 50.80): VL0





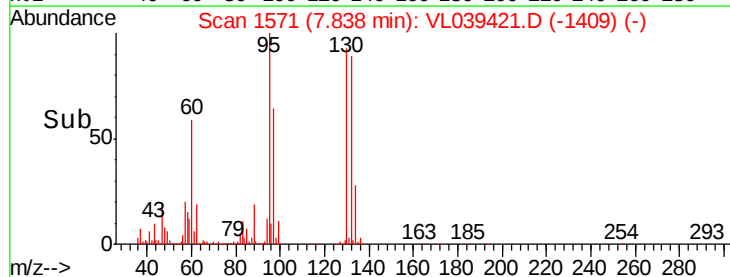
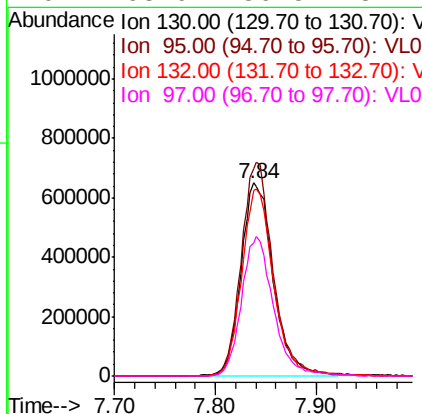
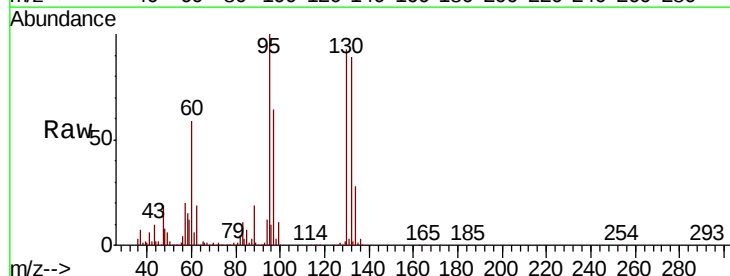
#37
 1,2-Dichloroethane
 Concen: 9.734 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0705ABS01
 Acq: 5 Jul 2022 15:48

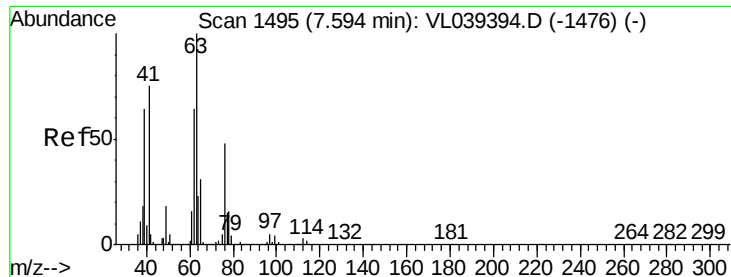
Tot Ion: 62 Resp: 1558411
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.1 7.7



#38
 Trichloroethene
 Concen: 9.764 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

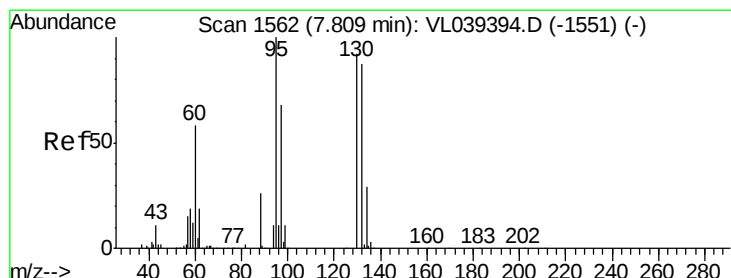
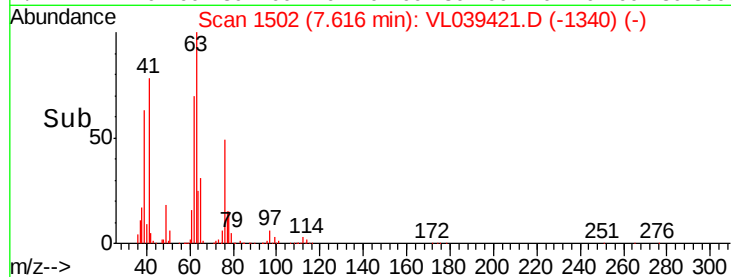
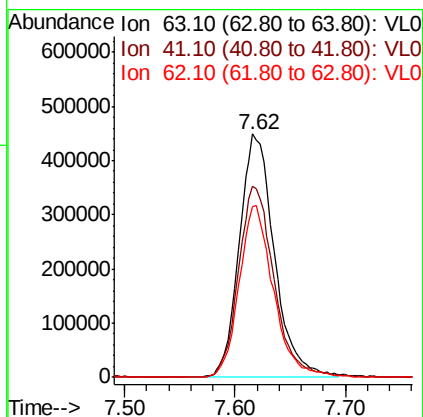
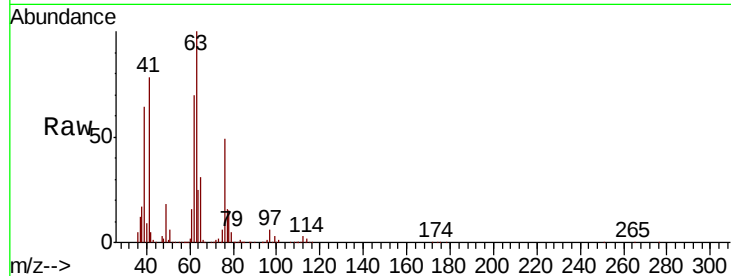
Tgt Ion: 130 Resp: 1432423
 Ion Ratio Lower Upper
 130 100
 95 107.2 87.3 130.9
 132 95.8 76.7 115.1
 97 68.9 56.5 84.7





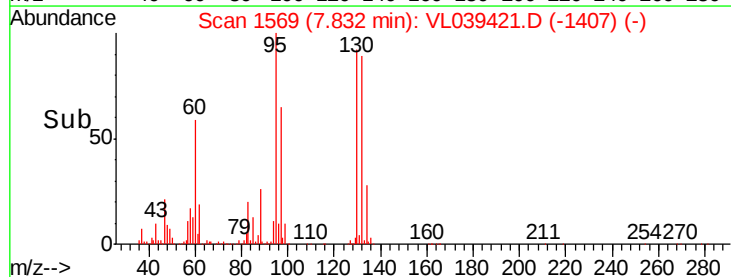
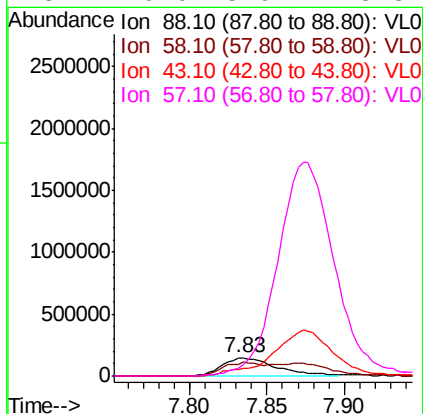
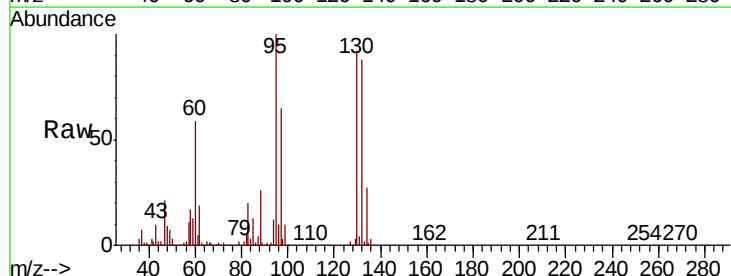
#39
 1,2-Dichloropropane
 Concen: 9.759 ppbv
 RT: 7.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Jul 2022 15:46

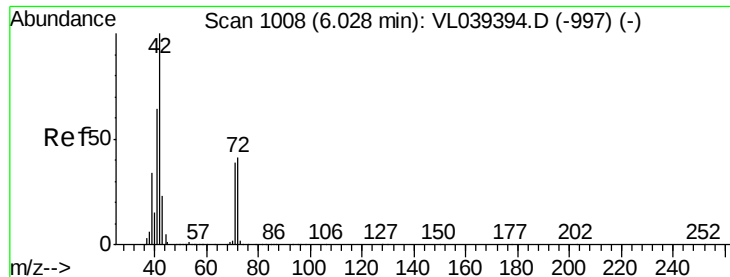
Tot Ion	Ratio	Lower	Upper
63	100		
41	78.2	59.6	89.4
62	69.8	51.4	77.0



#40
 1,4-Dioxane
 Concen: 8.702 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.02 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	53.2	100.2	150.4#
43	0.0	205.8	308.6#
57	0.0	879.1	1318.7#





#41

Tetrahydrofuran

Concen: 9.838 ppbv

RT: 6.05 Instrument:

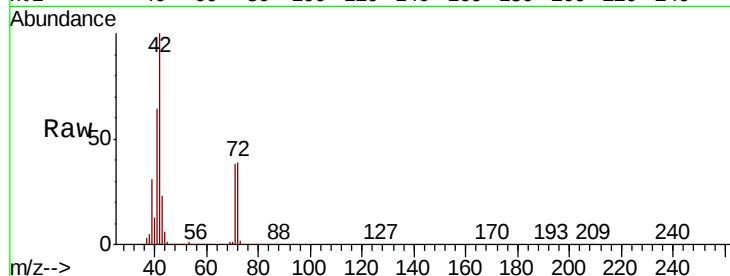
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 15:40 VL0705ABS01

Tot Ion: 42 Resp: 1005706

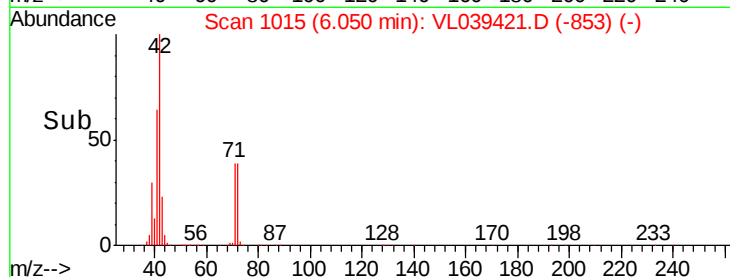
Ion	Ratio	Lower	Upper
42	100		
72	41.5	31.8	47.8
71	40.3	31.8	47.8



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: 10.114 ppbv

RT: 7.80 min Scan# 1558

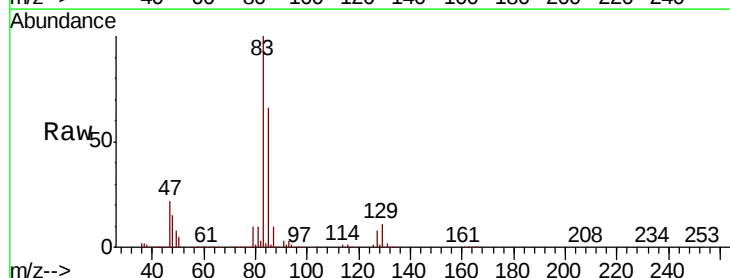
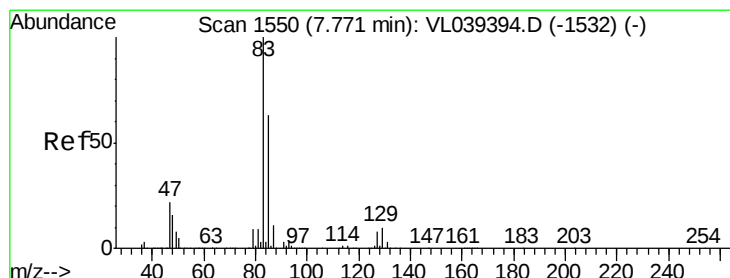
Delta R.T. 0.03 min

Lab File: VL039421.D

Acq: 5 Jul 2022 15:46

Tgt Ion: 83 Resp: 2183279

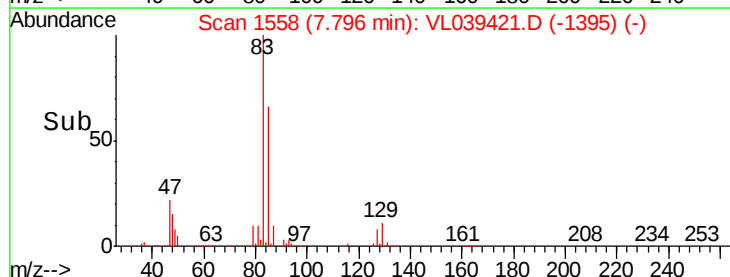
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.7	76.1
127	8.1	6.6	9.8



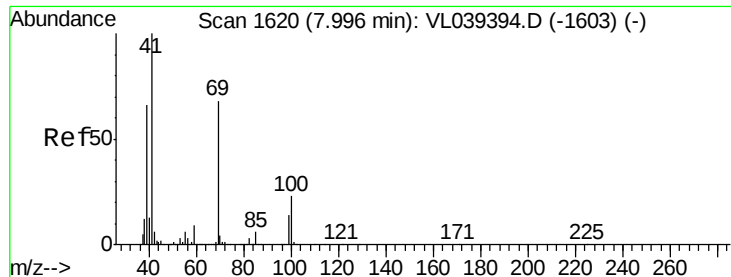
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

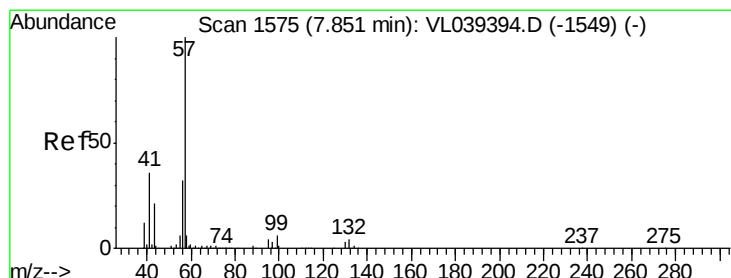
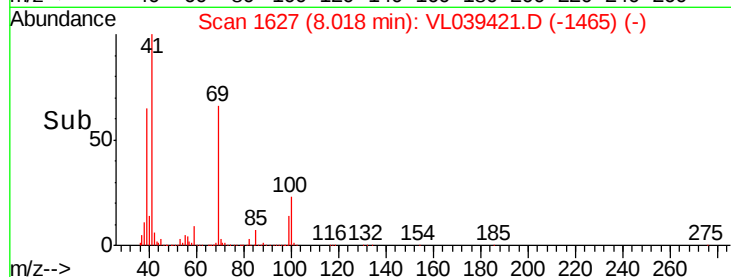
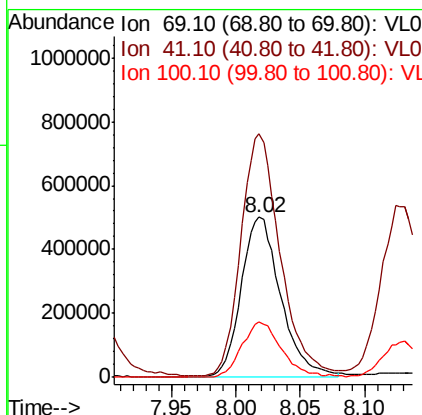
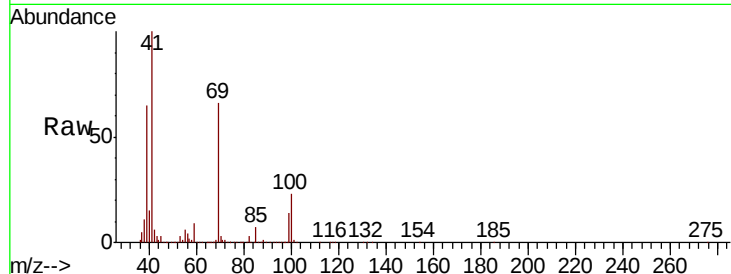


Time-->



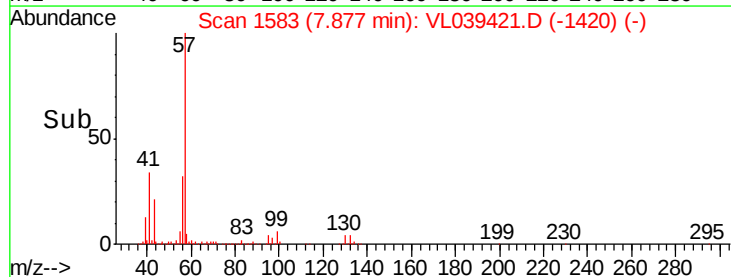
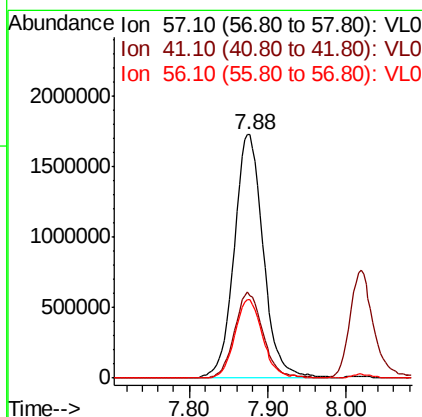
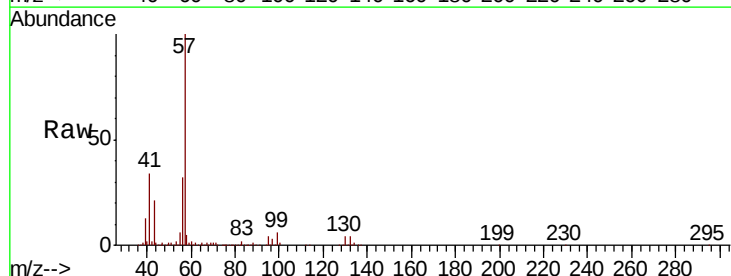
#43
Methvl Methacrilate
Concen: 10.394 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 Jul 2022 15:46

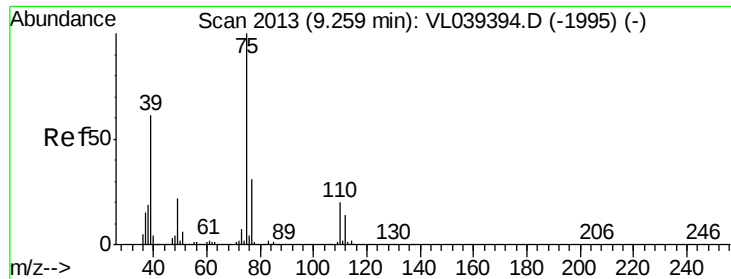
Tot Ion: 69 Resp: 1071931
Ion Ratio Lower Upper
69 100
41 152.0 120.8 181.2
100 34.8 27.8 41.6



#44
2,2,4-Trimethylpentane
Concen: 9.644 ppbv
RT: 7.88 min Scan# 1583
Delta R.T.: 0.03 min
Lab File: VL039421.D
Acq: 5 Jul 2022 15:46

Tgt Ion: 57 Resp: 4432656
Ion Ratio Lower Upper
57 100
41 34.4 27.4 41.2
56 31.1 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 11.904 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

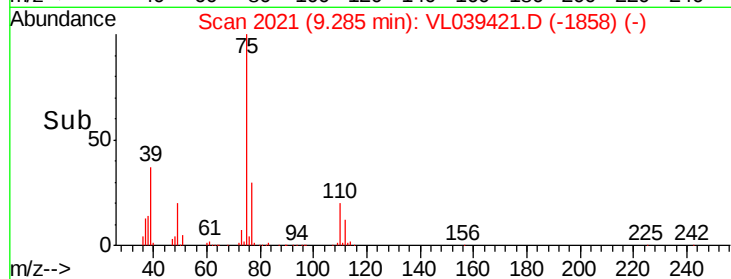
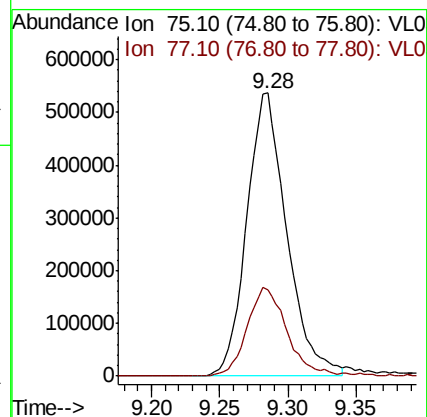
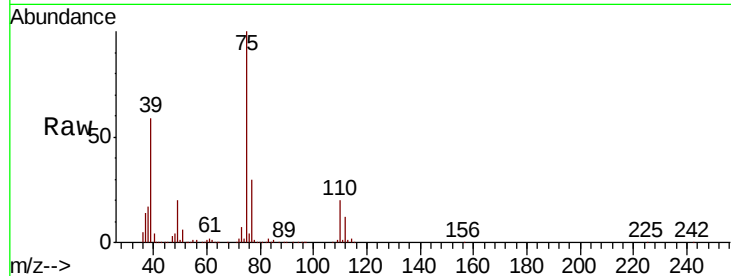
Acq: 5 Jul 2022 15:48

Tot Ion: 75 Resp: 1093097

Ion Ratio Lower Upper

75 100

77 30.4 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 11.077 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.03 min

Lab File: VL039421.D

Acq: 5 Jul 2022 15:46

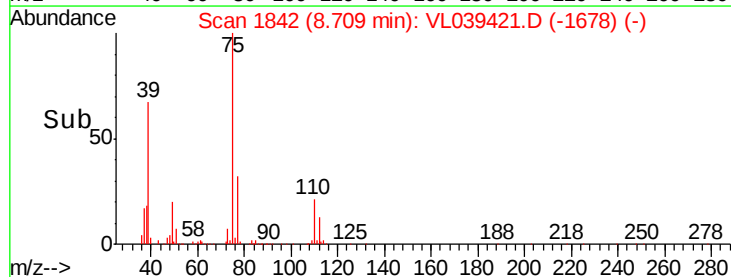
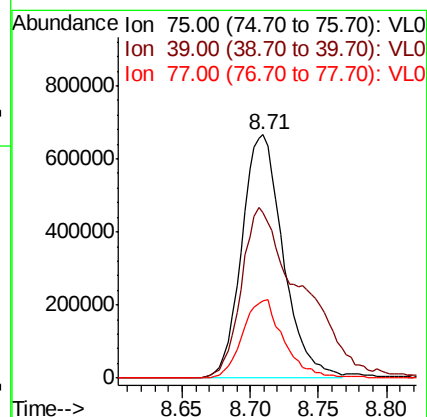
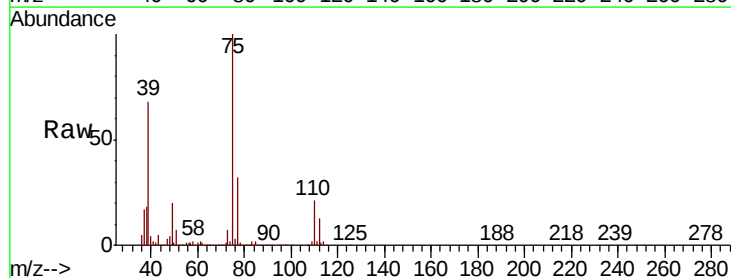
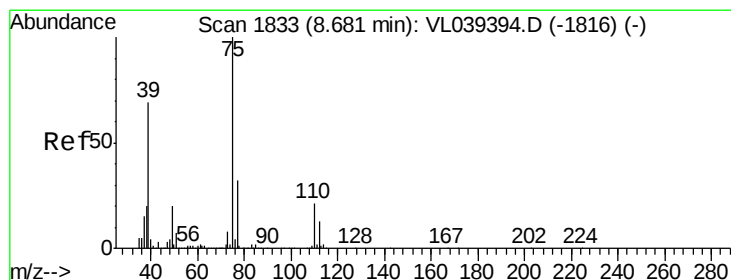
Tgt Ion: 75 Resp: 1400035

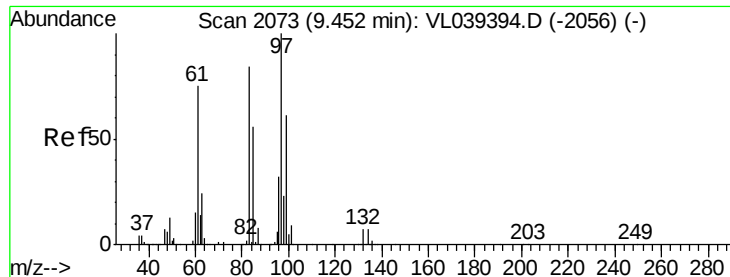
Ion Ratio Lower Upper

75 100

39 67.9 55.0 82.4

77 32.0 25.7 38.5

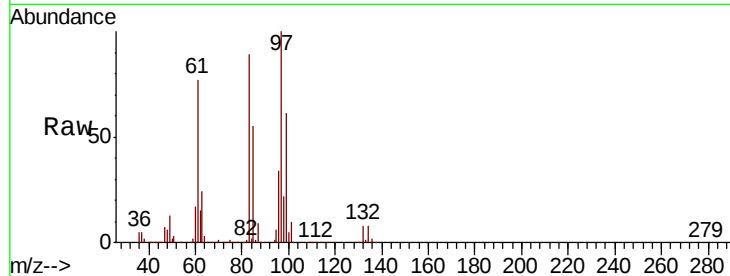




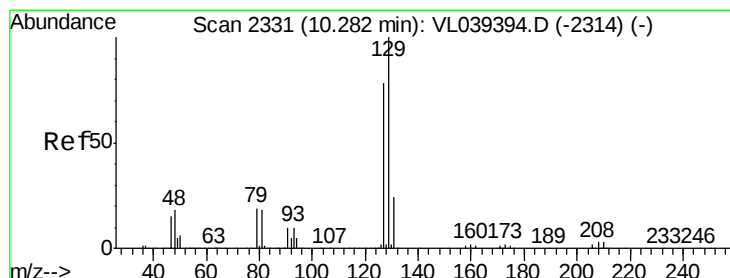
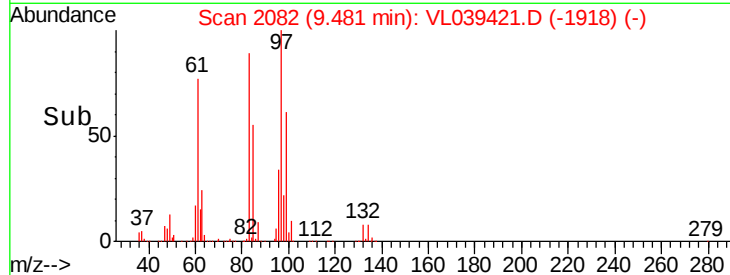
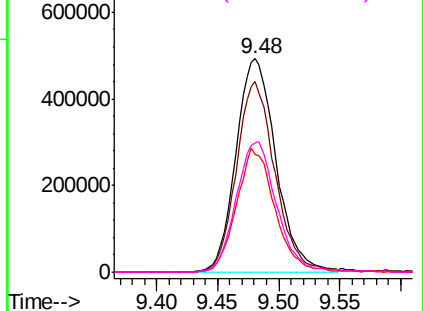
#47
 1,1,2-Trichloroethane
 Concen: 9.826 ppbv
 RT: 9.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0705ABS01
 Acq: 5 Jul 2022 15:48

Tot Ion: 97 Resp: 1117104

Ion	Ratio	Lower	Upper
97	100		
83	89.2	67.4	101.0
85	55.3	45.1	67.7
99	60.7	48.6	73.0



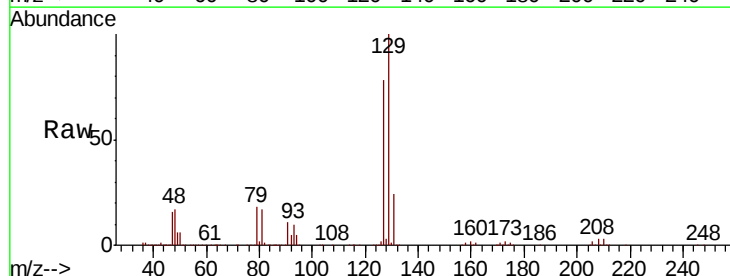
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



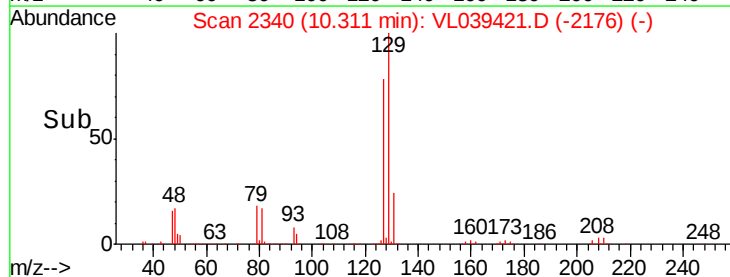
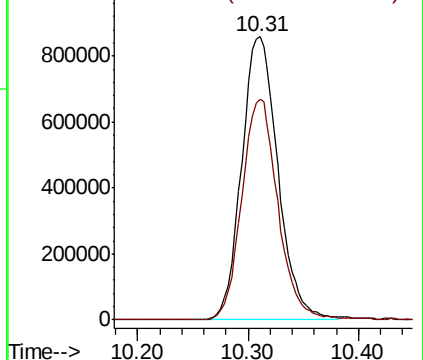
#48
 Dibromochloromethane
 Concen: 10.838 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.03 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

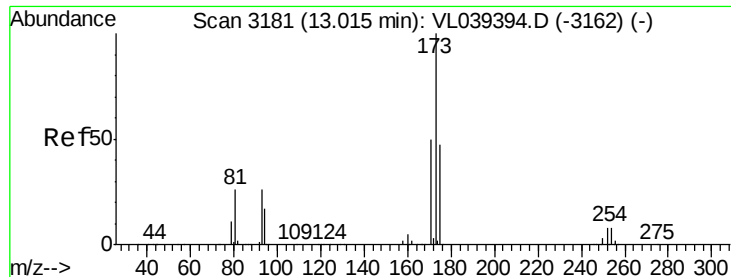
Tgt Ion: 129 Resp: 1958372

Ion	Ratio	Lower	Upper
129	100		
127	77.9	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: 11.167 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Jul 2022 13:48

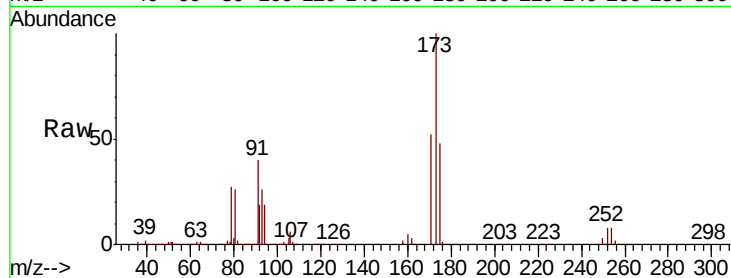
Tot Ion:173 Resp: 1627942

Ion Ratio Lower Upper

173 100

175 50.3 40.3 60.5

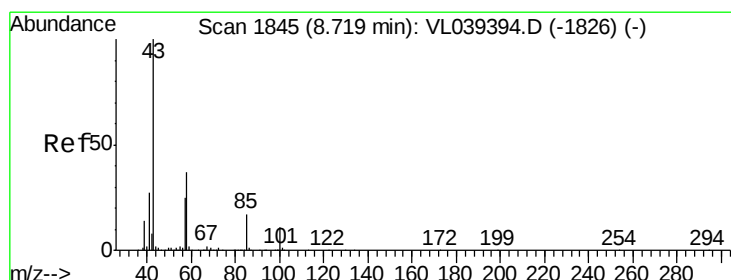
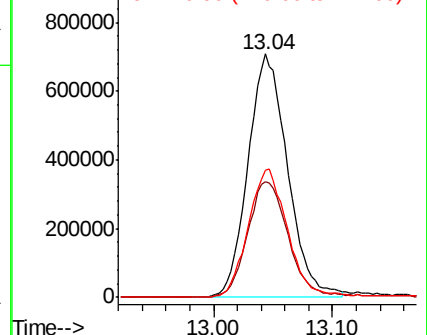
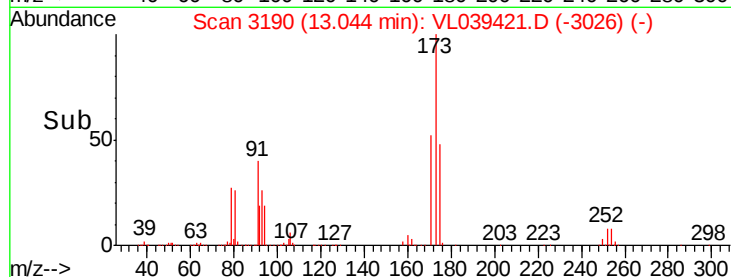
171 54.1 42.9 64.3



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: 10.436 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.03 min

Lab File: VL039421.D

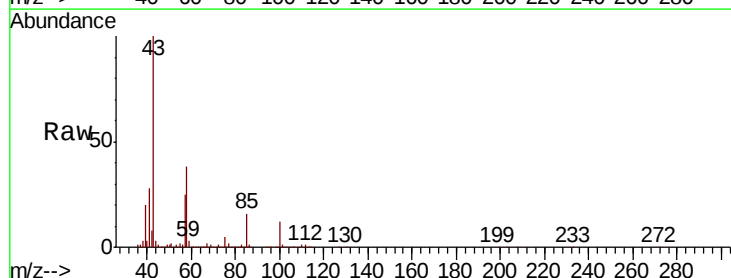
Acq: 5 Jul 2022 15:46

Tgt Ion: 43 Resp: 2783847

Ion Ratio Lower Upper

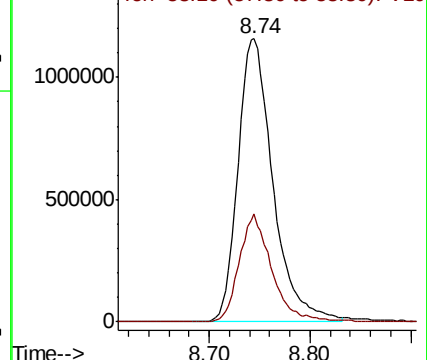
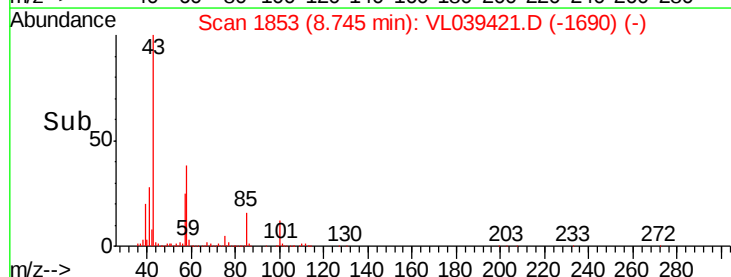
43 100

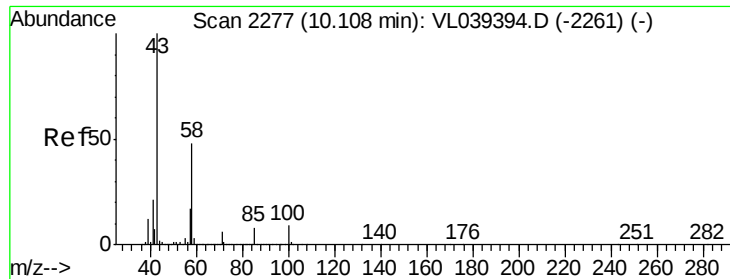
58 35.6 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

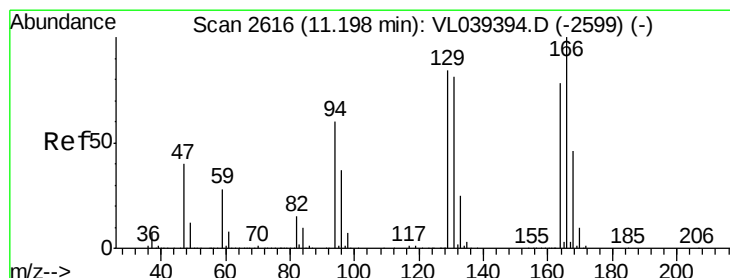
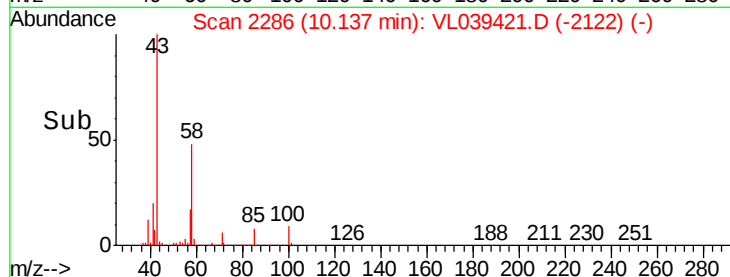
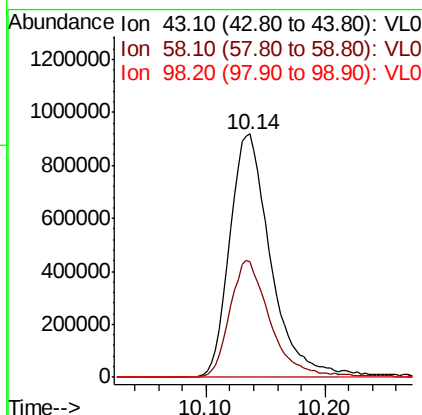
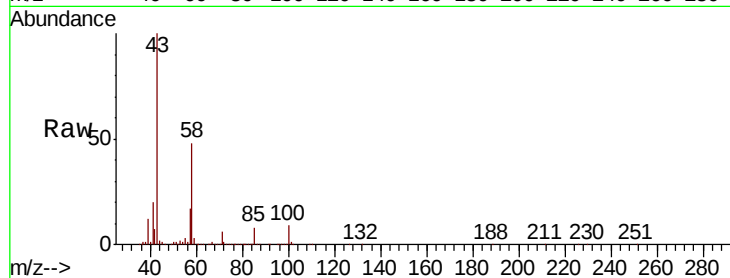
Ion 58.10 (57.80 to 58.80): VL0





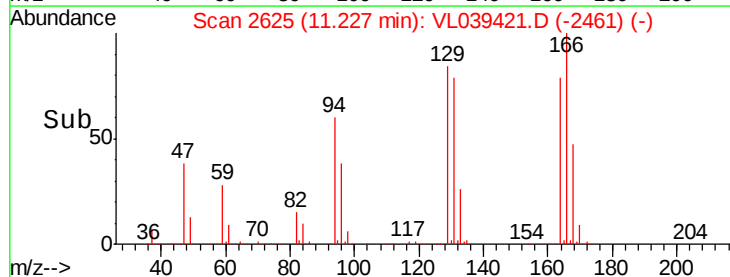
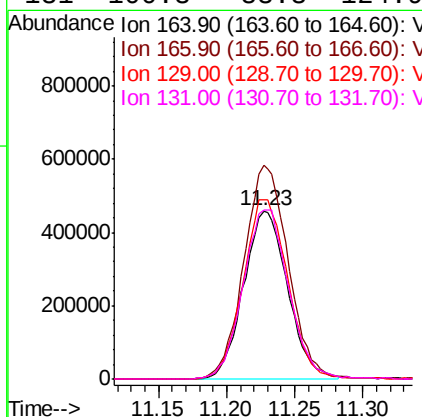
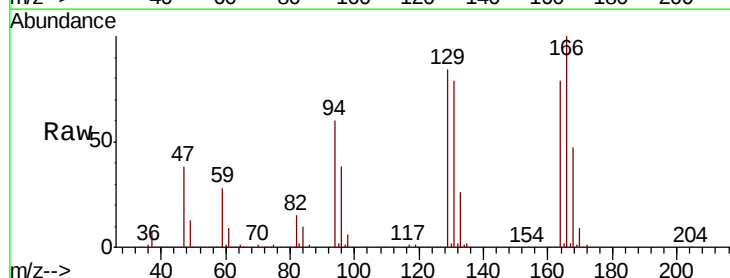
#51
2-Hexanone
Concen: 10.786 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 5 Jul 2022 15:46

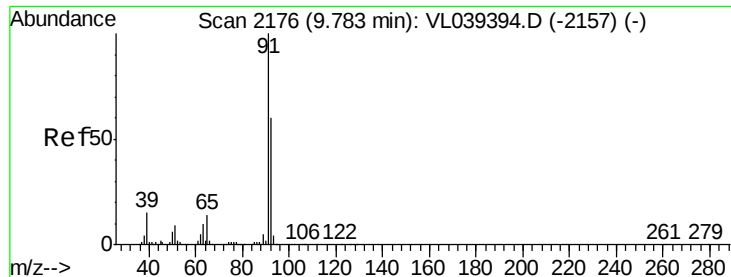
Tot Ion: 43 Resp: 2176178
Ion Ratio Lower Upper
43 100
58 48.1 38.4 57.6
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.376 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.03 min
Lab File: VL039421.D
Acq: 5 Jul 2022 15:46

Tgt Ion: 164 Resp: 1023756
Ion Ratio Lower Upper
164 100
166 127.1 102.2 153.2
129 106.8 85.8 128.8
131 100.3 83.3 124.9





#53

Toluene

Concen: 10.213 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

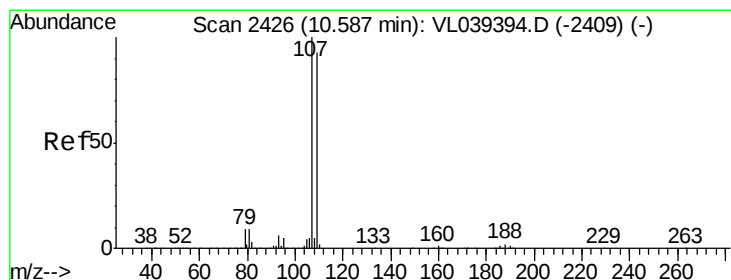
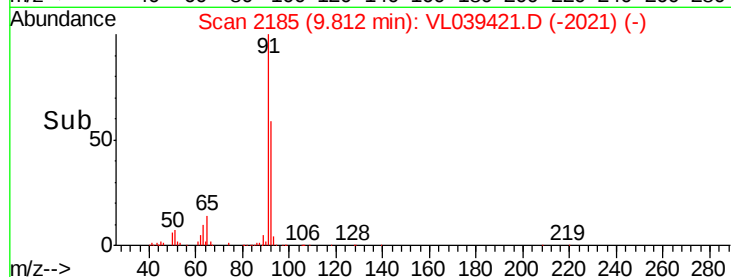
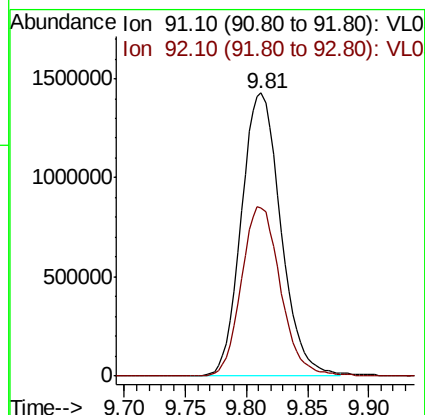
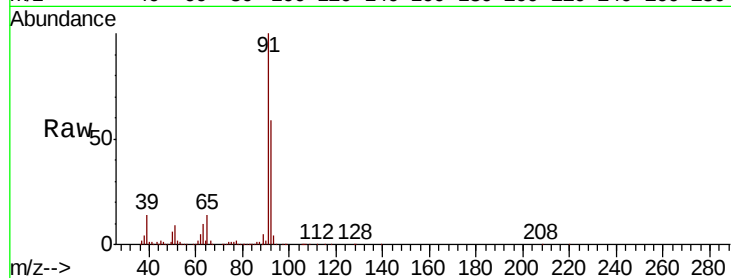
Acq: 5 Jul 2022 15:48 VL0705ABS01

Tot Ion: 91 Resp: 3195115

Ion Ratio Lower Upper

91 100

92 59.4 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.300 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.03 min

Lab File: VL039421.D

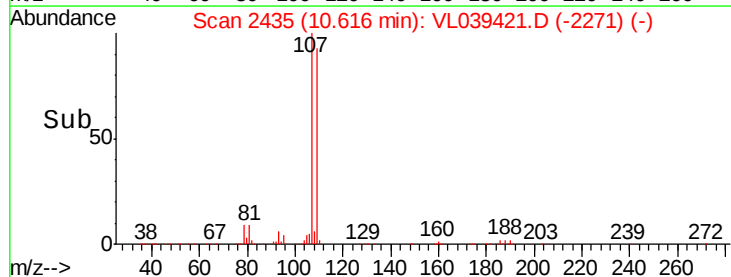
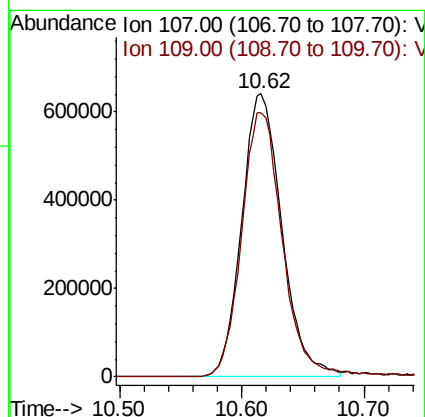
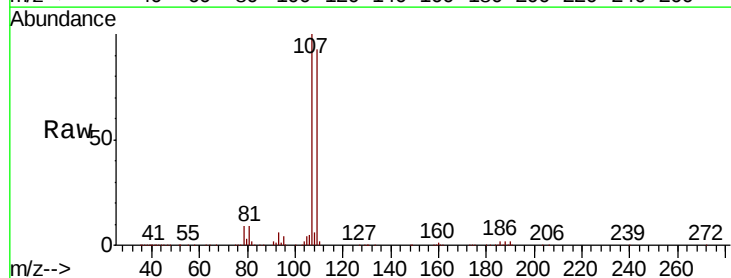
Acq: 5 Jul 2022 15:46

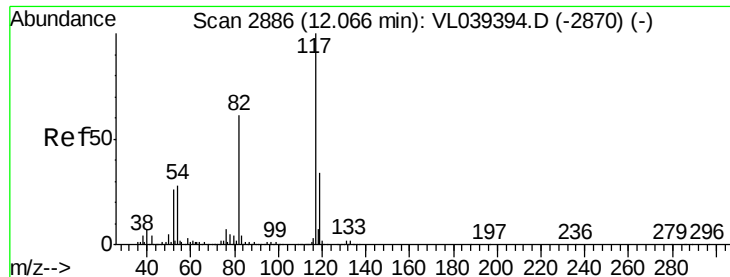
Tgt Ion: 107 Resp: 1457096

Ion Ratio Lower Upper

107 100

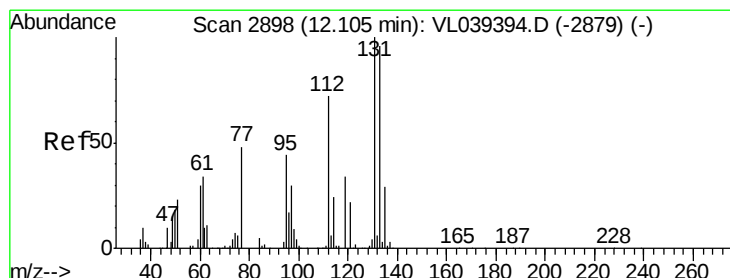
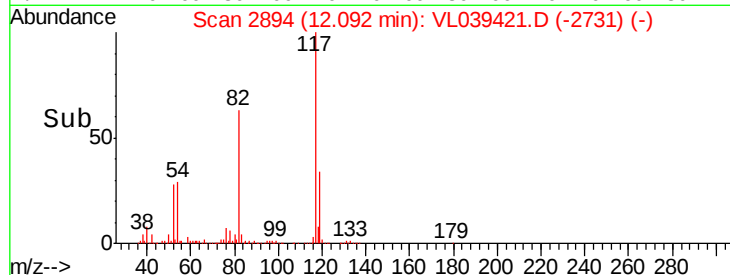
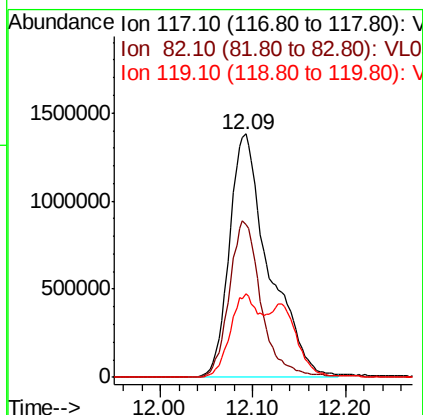
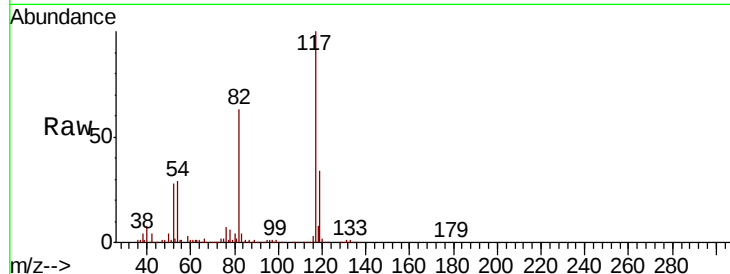
109 93.3 74.8 112.2





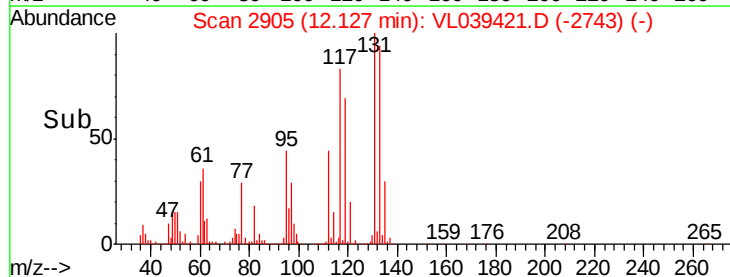
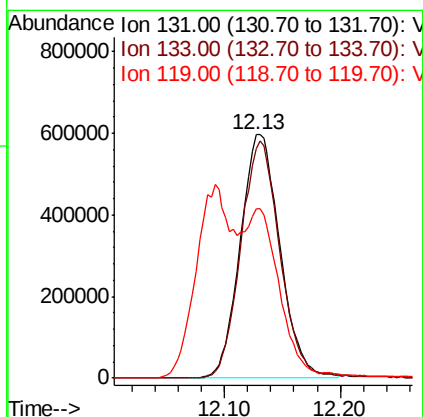
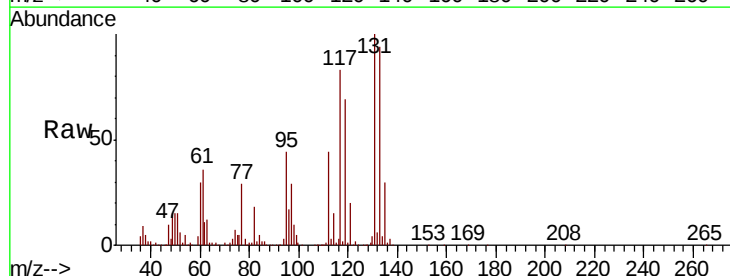
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0705ABS01
 Acq: 5 Jul 2022 15:48

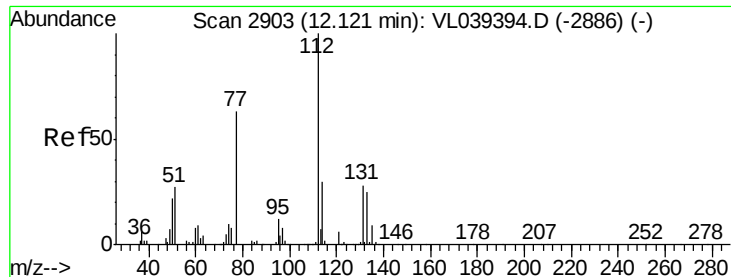
Tot Ion:117 Resp: 4106808
 Ion Ratio Lower Upper
 117 100
 82 52.2 50.8 76.2
 119 48.0 24.1 36.1#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.834 ppbv
 RT: 12.13 min Scan# 2905
 Delta R.T.: 0.02 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

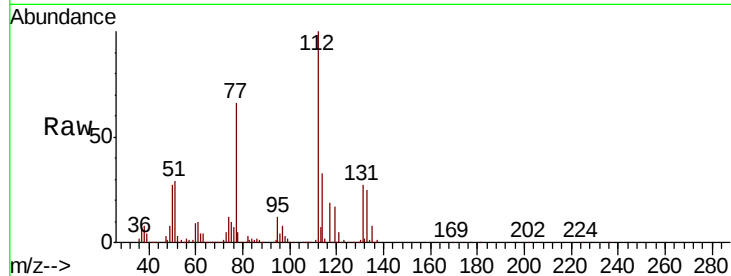
Tgt Ion:131 Resp: 1421191
 Ion Ratio Lower Upper
 131 100
 133 97.1 76.8 115.2
 119 63.5 46.2 69.4



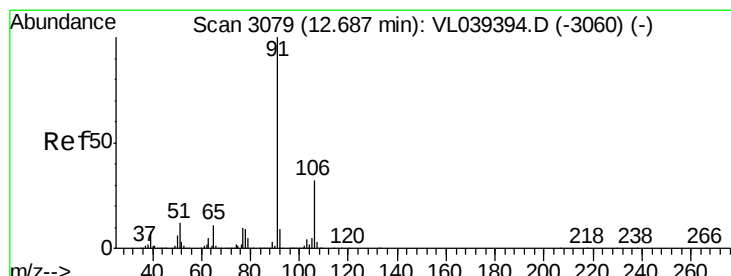
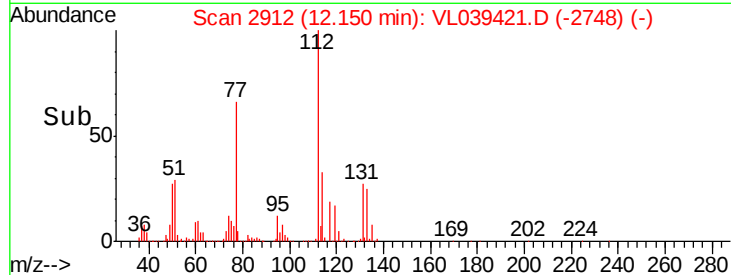
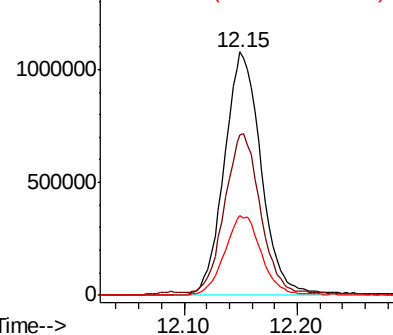


#57
Chlorobenzene
Concen: 7.644 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0705ABS01
Acq: 5 Jul 2022 15:48

Tot Ion:112 Resp: 2433936
Ion Ratio Lower Upper
112 100
77 64.9 51.0 76.4
114 32.6 27.5 33.6

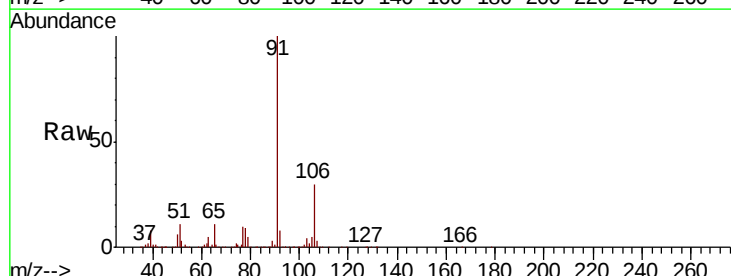


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

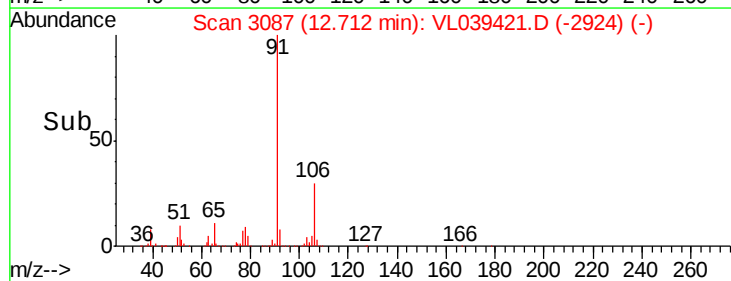
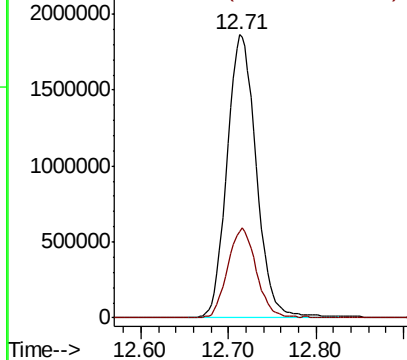


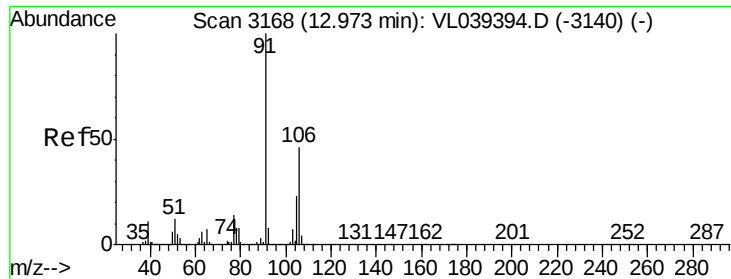
#58
Ethyl Benzene
Concen: 8.175 ppbv
RT: 12.71 min Scan# 3087
Delta R.T.: 0.03 min
Lab File: VL039421.D
Acq: 5 Jul 2022 15:46

Tgt Ion: 91 Resp: 4335062
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.0



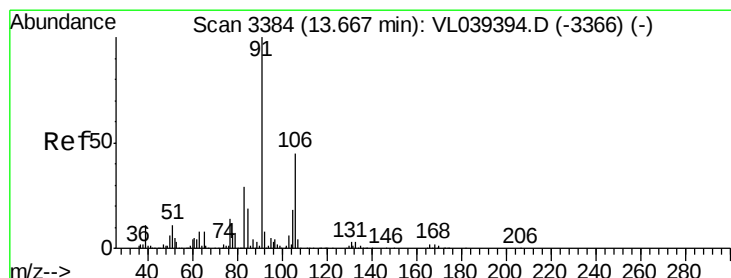
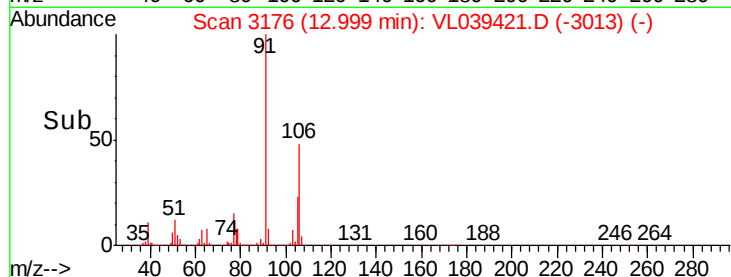
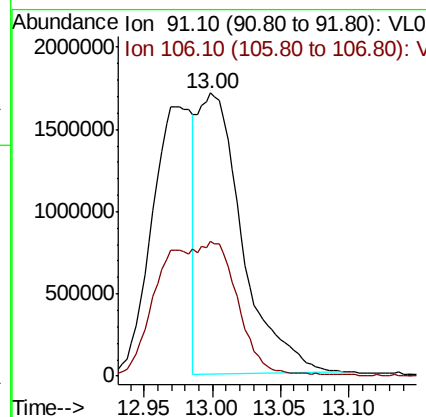
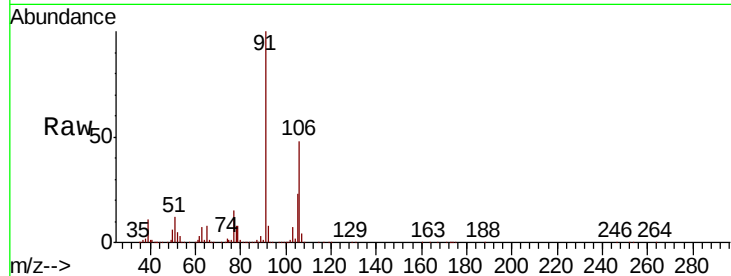
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





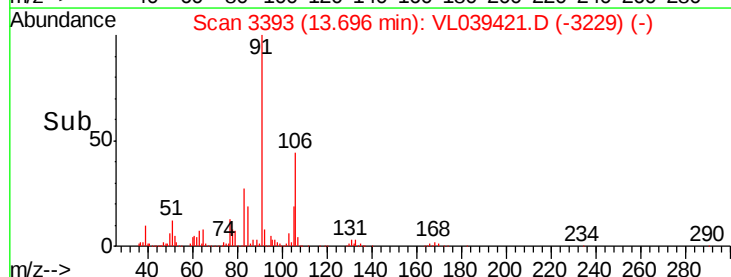
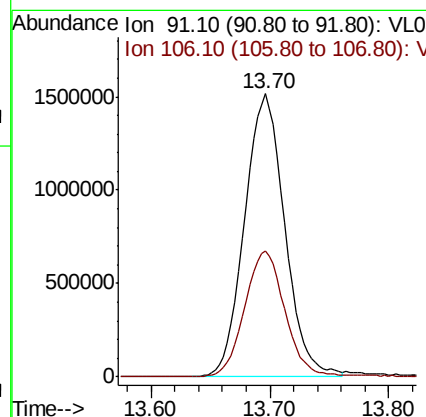
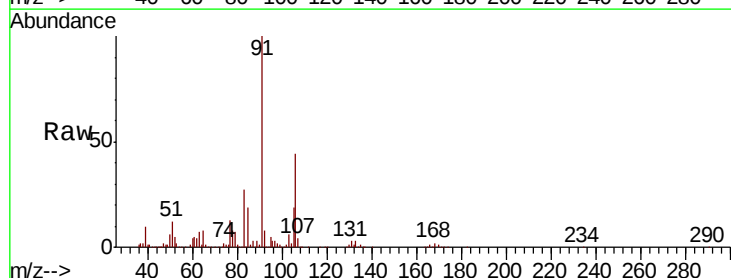
#59
m/p-Xylene
Concen: 8.332 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0705ABS01
Acq: 5 Jul 2022 15:40

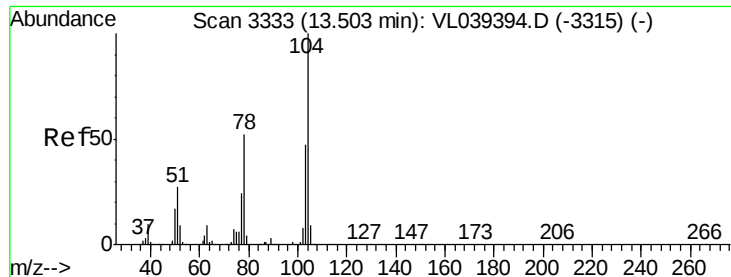
Tot Ion: 91 Resp: 3895232
Ion Ratio Lower Upper
91 100
106 84.7 35.4 53.2#



#60
o-Xylene
Concen: 8.006 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.03 min
Lab File: VL039421.D
Acq: 5 Jul 2022 15:46

Tgt Ion: 91 Resp: 3544328
Ion Ratio Lower Upper
91 100
106 45.5 22.4 67.3

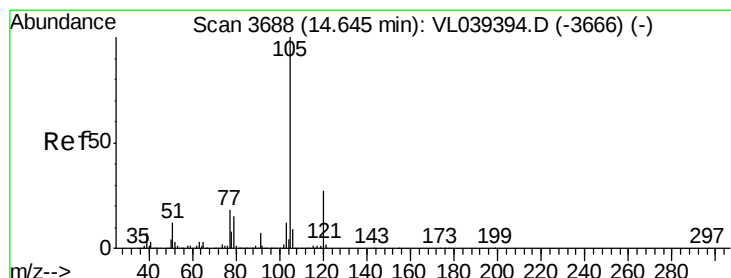
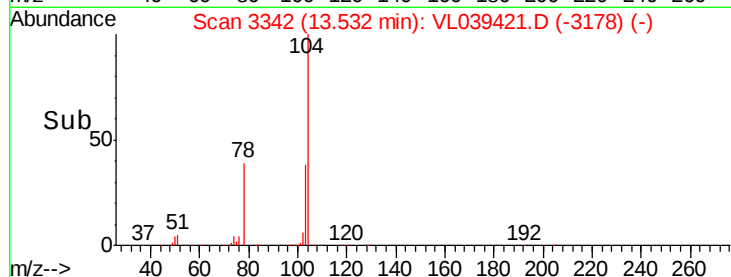
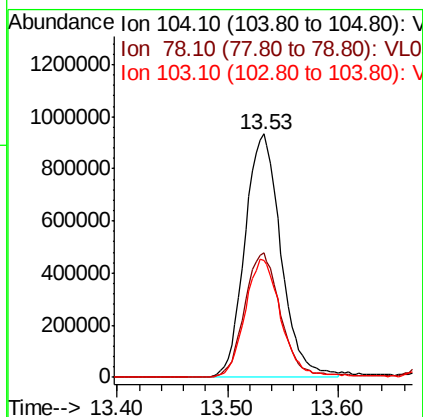
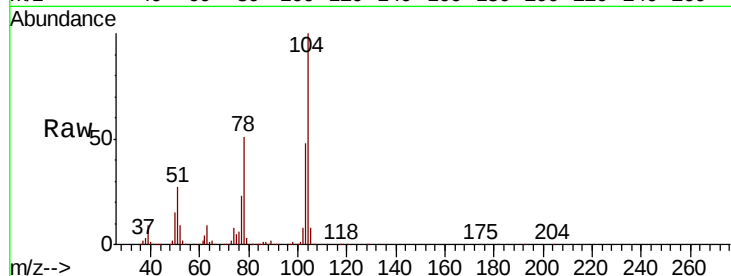




#61
Stvrene
Concen: 8.837 ppbv
RT: 13.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0705ABS01
Acq: 5 Jul 2022 13:48

Tot Ion:104 Resp: 2119225

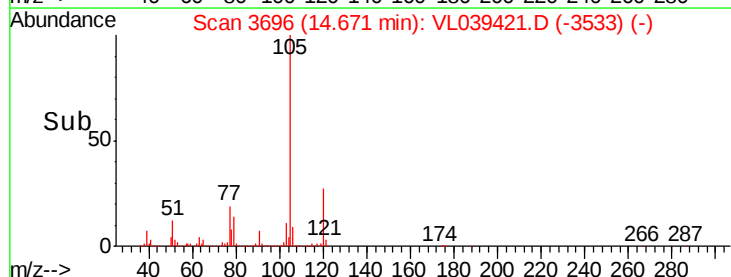
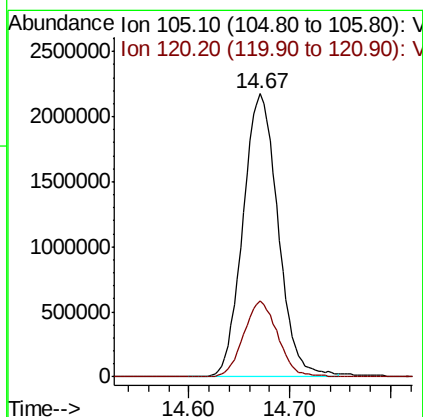
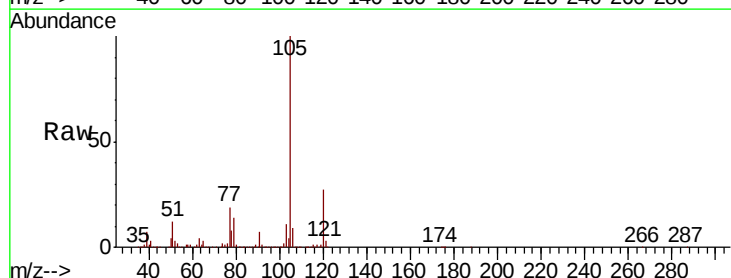
Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.2	61.8
103	48.8	38.7	58.1

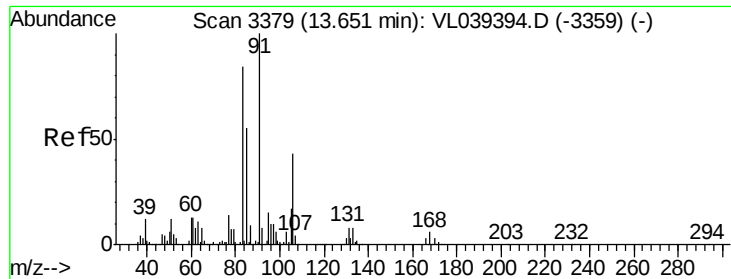


#62
Isopropylbenzene
Concen: 7.790 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.03 min
Lab File: VL039421.D
Acq: 5 Jul 2022 15:46

Tgt Ion:105 Resp: 5251910

Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.420 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 15:40

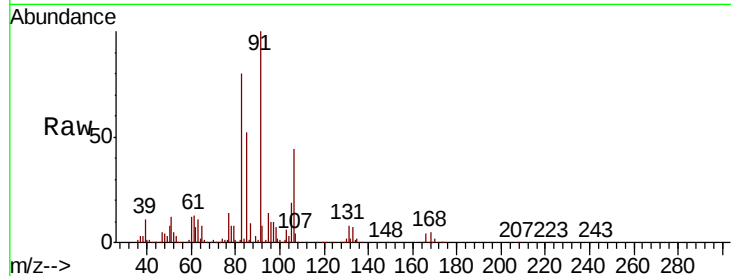
Tot Ion: 83 Resp: 1721667

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

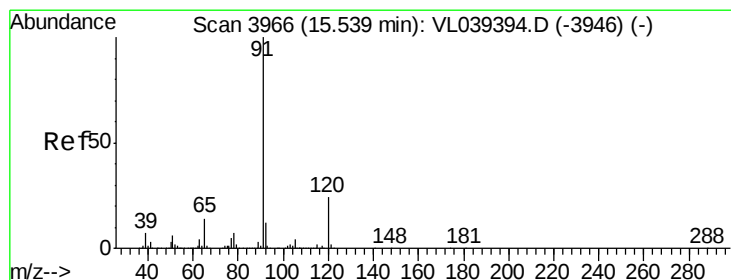
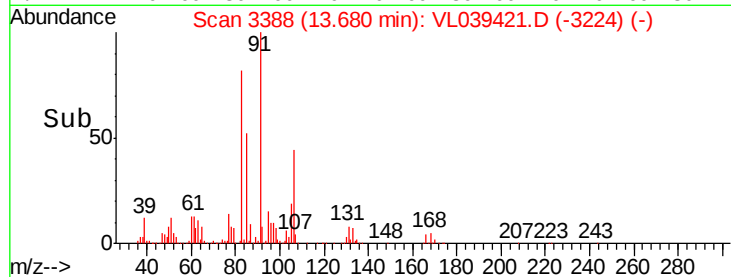
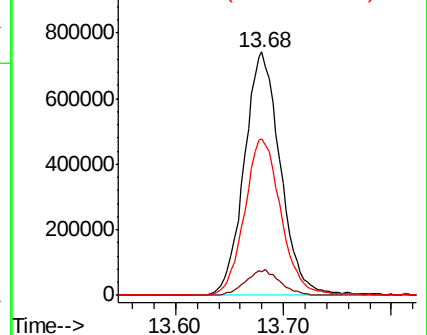
85 65.5 33.1 99.5



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: 8.099 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.03 min

Lab File: VL039421.D

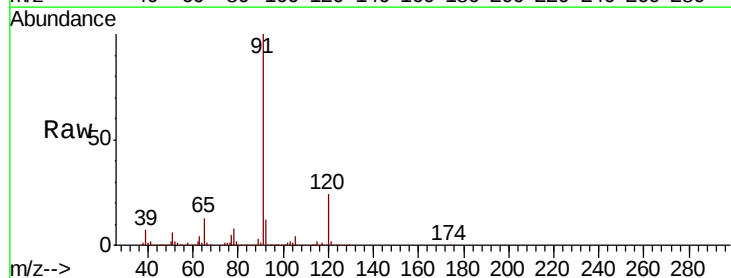
Acq: 5 Jul 2022 15:46

Tgt Ion:120 Resp: 1383932

Ion Ratio Lower Upper

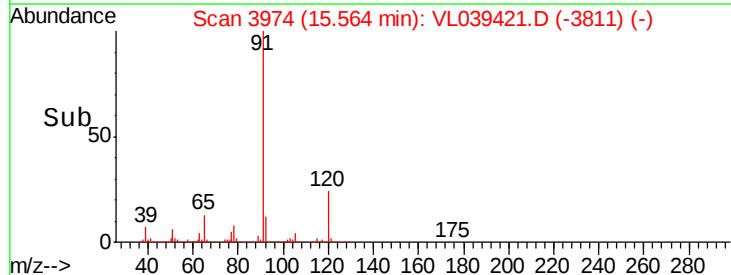
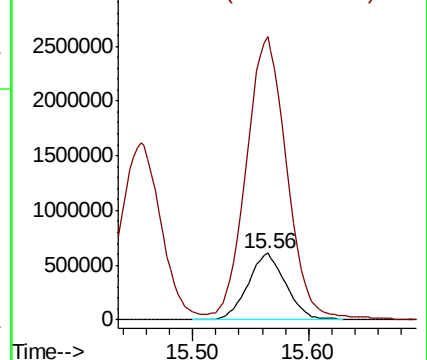
120 100

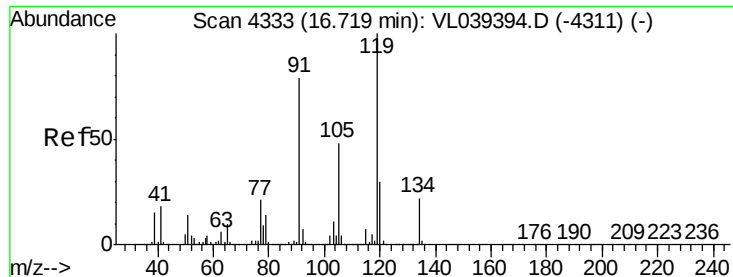
91 456.7 367.2 550.8



Abundance Ion 120.20 (119.90 to 120.90): V

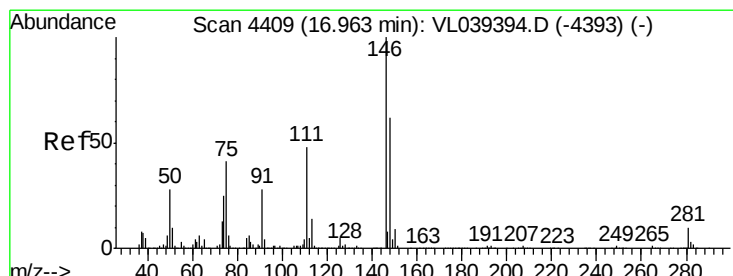
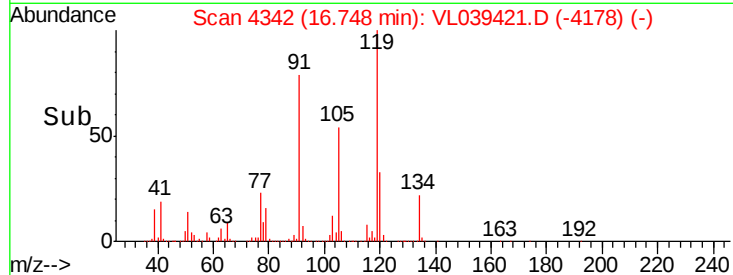
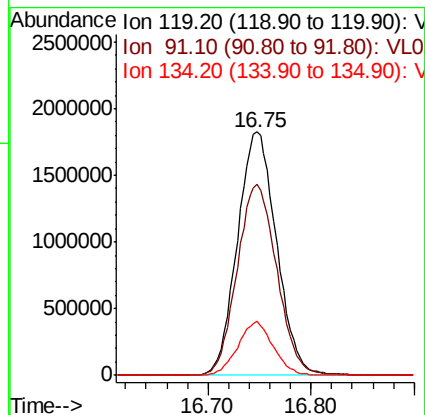
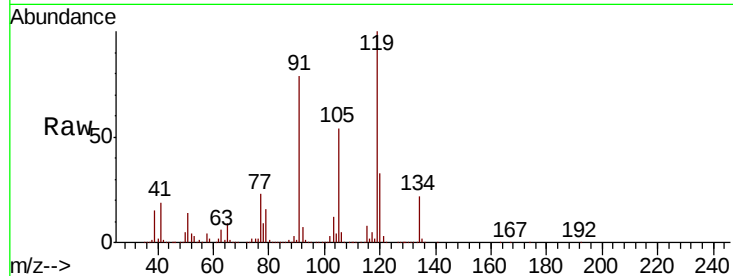
Ion 91.10 (90.80 to 91.80): VL0





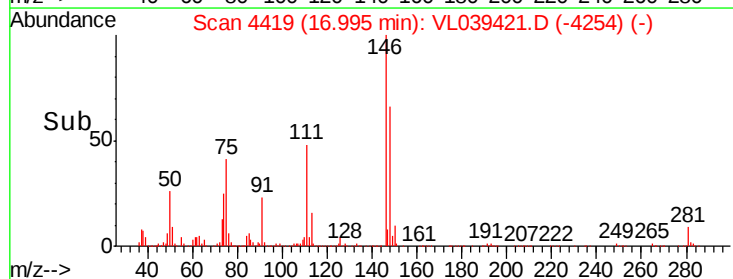
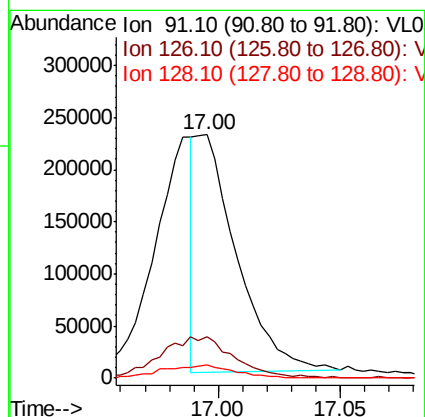
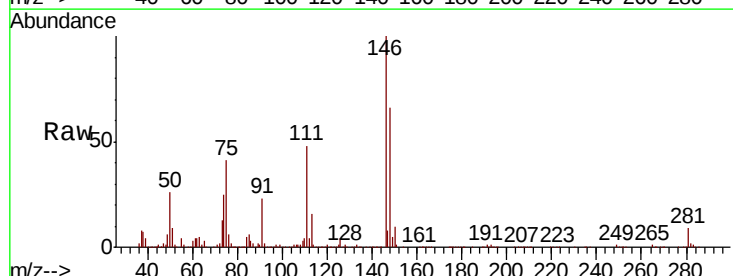
#65
 tert-Butylbenzene
 Concen: 7.701 ppbv
 RT: 16.75 min
 Delta R.T. 0.03 min
 Lab File: VL0705ABS01
 Acq: 5 Jul 2022 15:48

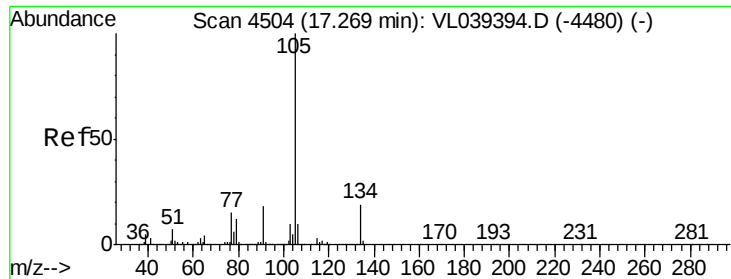
Tot Ion: 119 Resp: 4797531
 Ion Ratio Lower Upper
 119 100
 91 79.9 63.4 95.2
 134 20.2 15.9 23.9



#66
 Benzyl Chloride
 Concen: 4.497 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.03 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

Tgt Ion: 91 Resp: 266218
 Ion Ratio Lower Upper
 91 100
 126 32.3 13.1 19.7#
 128 10.2 4.4 6.6#





#67

sec-Butylbenzene

Concen: 7.884 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

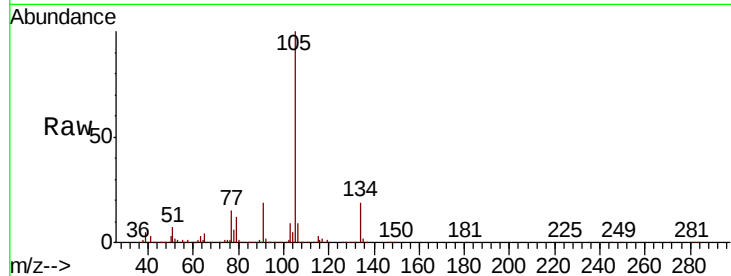
Acq: 5 Jul 2022 15:48

Tot Ion:105 Resp: 6615386

Ion Ratio Lower Upper

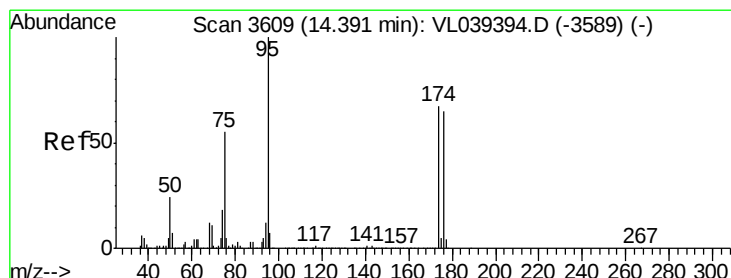
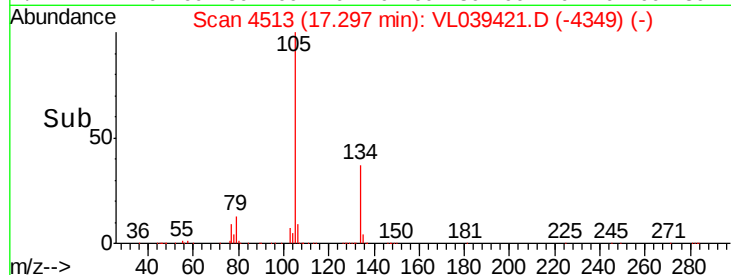
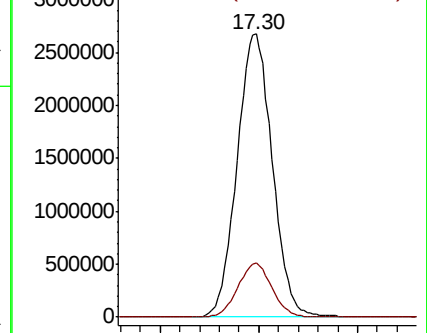
105 100

134 18.6 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: 8.276 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.03 min

Lab File: VL039421.D

Acq: 5 Jul 2022 15:46

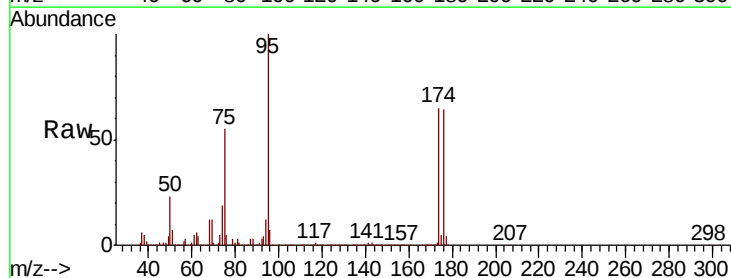
Tgt Ion: 95 Resp: 2521394

Ion Ratio Lower Upper

95 100

174 69.8 55.9 83.9

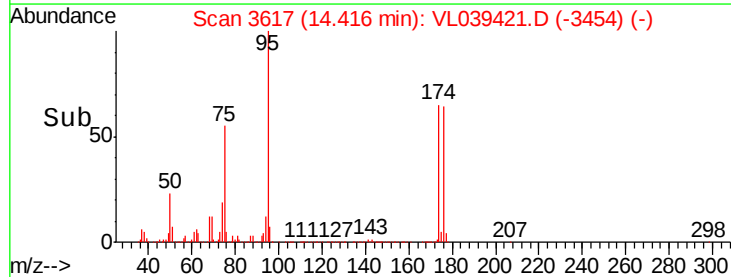
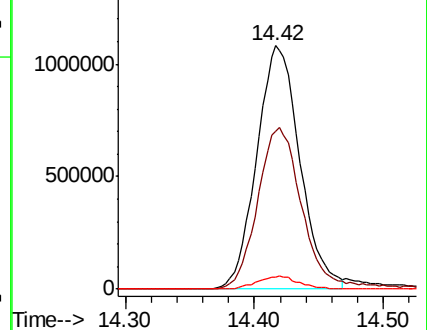
175 5.3 4.2 6.4

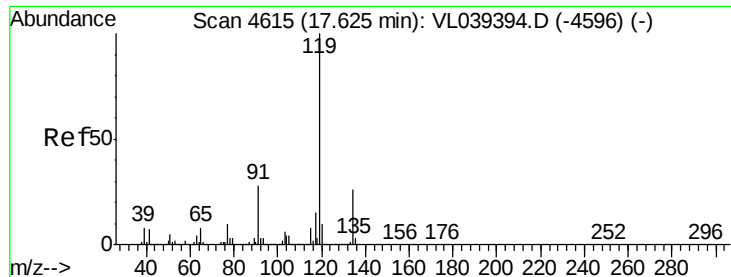


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

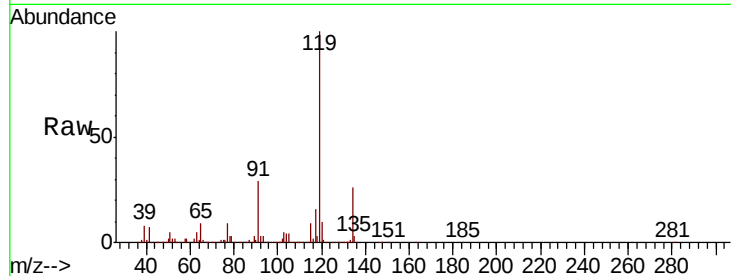




#69
 p-Isopropyltoluene
 Concen: 7.937 ppbv
 RT: 17.65 min
 Delta R.T. 0.03 min
 Lab File: VL0705ABS01
 Acq: 5 Jul 2022 15:48

Tot Ion: 119 Resp: 5651026

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	28.6	22.9	34.3

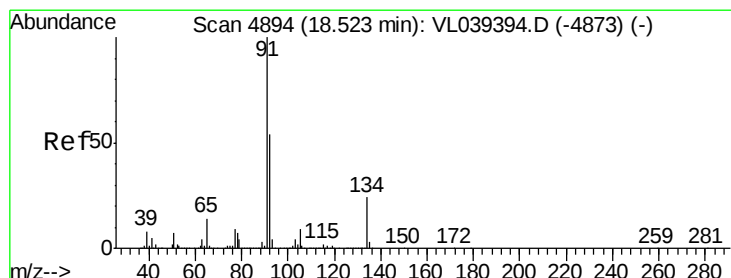
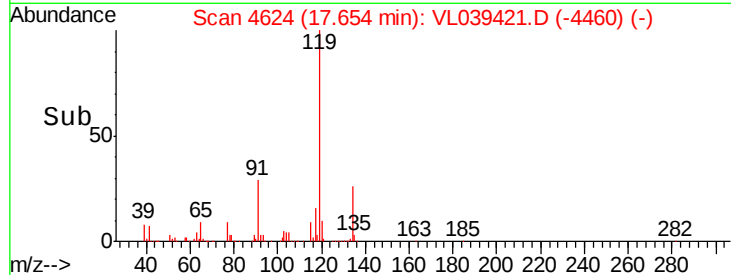
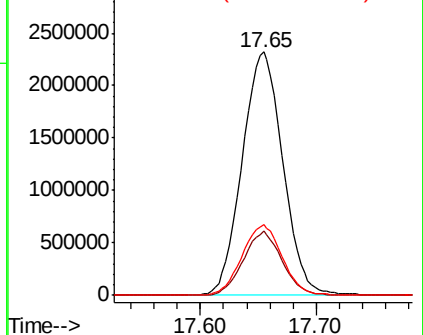


Abundance

Ion 119.10 (118.80 to 119.80): VL0

Ion 134.20 (133.90 to 134.90): VL0

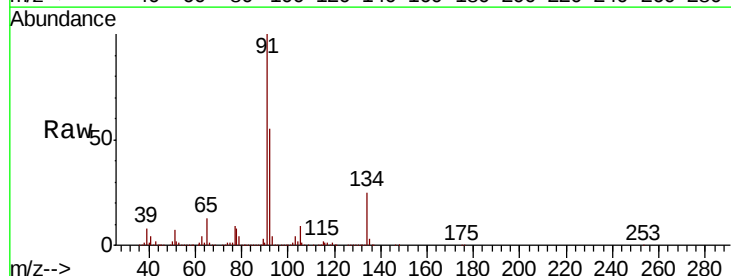
Ion 91.10 (90.80 to 91.80): VL0



#70
 n-Butylbenzene
 Concen: 8.027 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.03 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

Tgt Ion: 91 Resp: 5546984

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.4	65.2
134	23.6	18.9	28.3

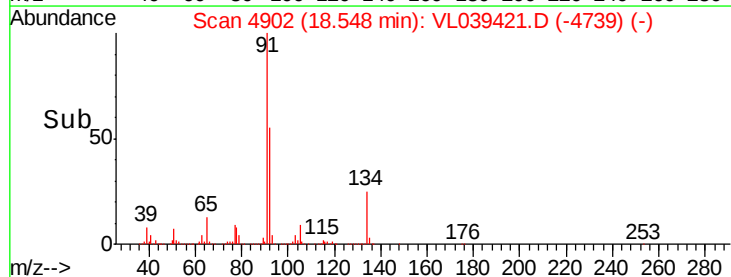
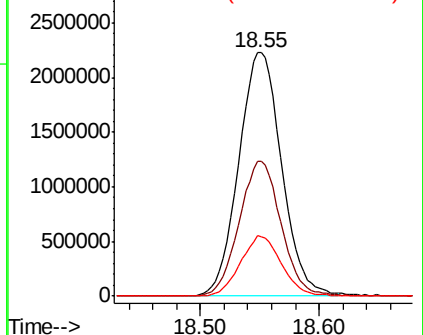


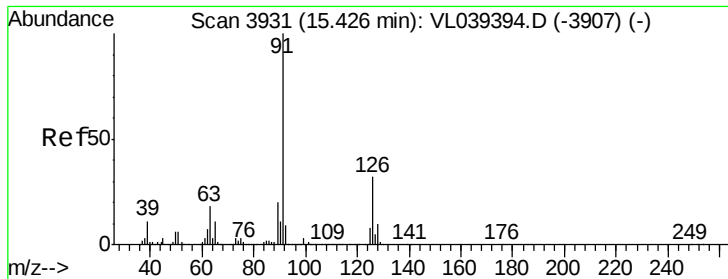
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

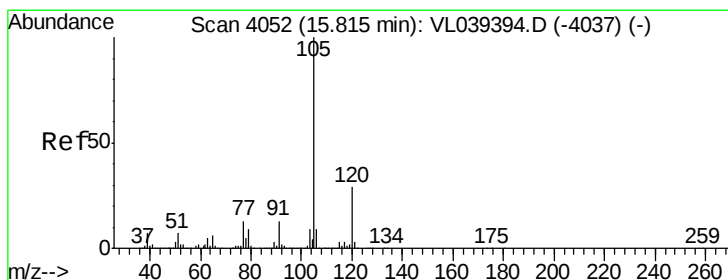
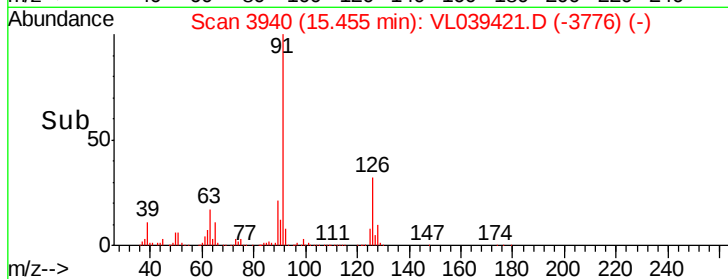
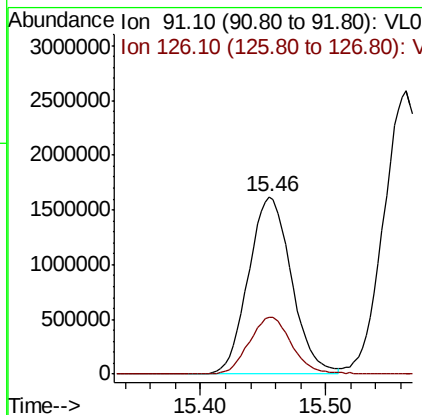
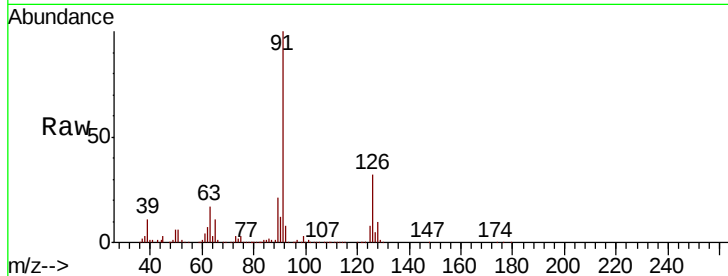
Ion 134.20 (133.90 to 134.90): VL0





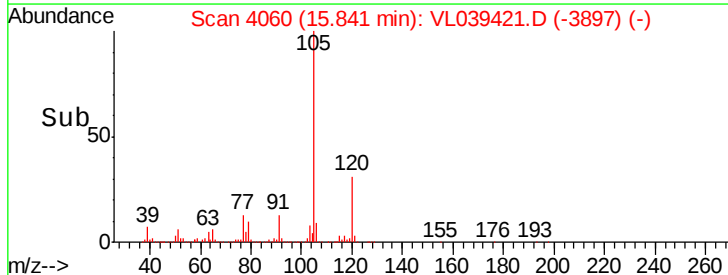
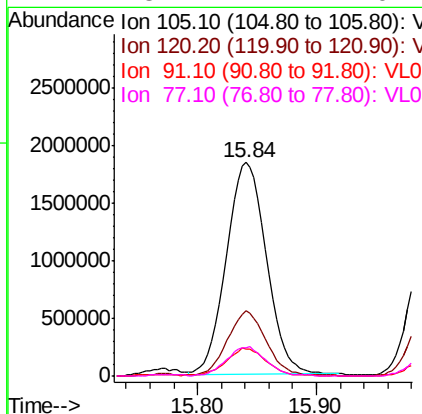
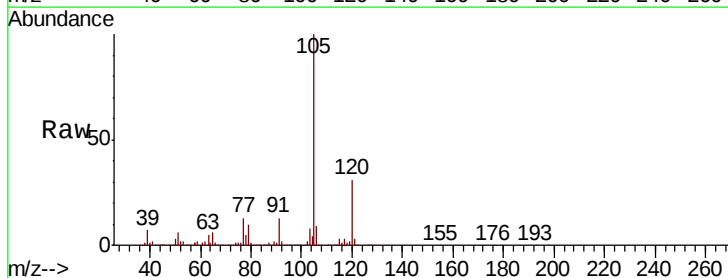
#71
 2-Chlorotoluene
 Concen: 8.023 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0705ABS01
 Acq: 5 Jul 2022 15:46

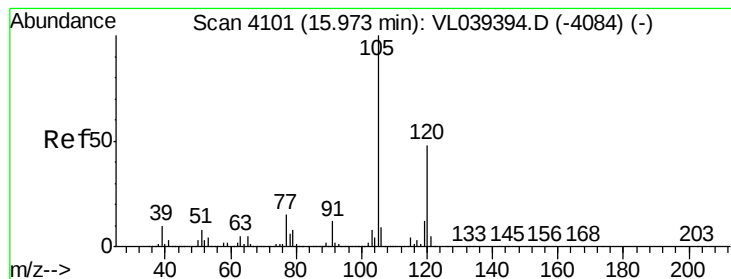
Tot Ion: 91 Resp: 3871062
 Ion Ratio Lower Upper
 91 100
 126 32.4 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 8.280 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.03 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

Tgt Ion: 105 Resp: 4309476
 Ion Ratio Lower Upper
 105 100
 120 29.7 24.2 36.2
 91 12.8 10.2 15.4
 77 13.7 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.217 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

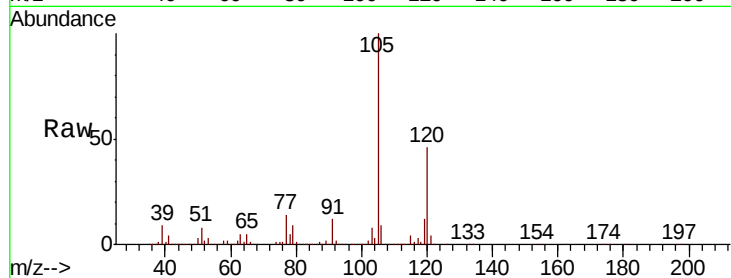
Acq: 5 Jul 2022 15:46

Tot Ion:105 Resp: 3928097

Ion Ratio Lower Upper

105 100

120 45.5 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

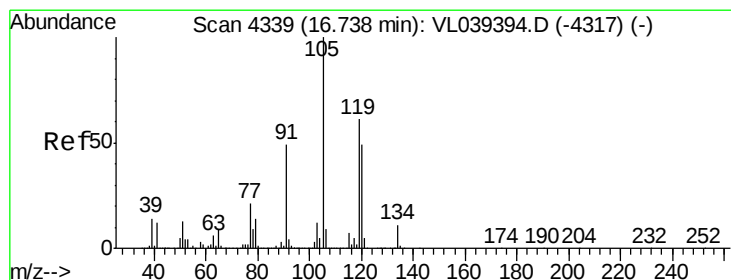
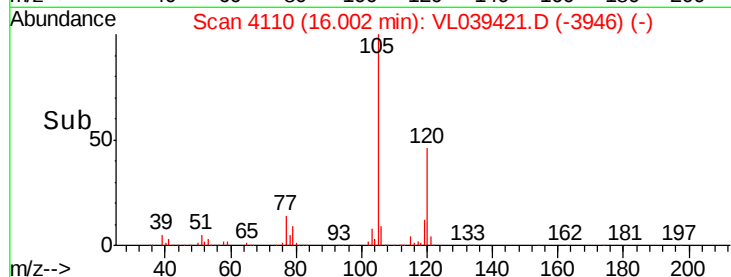
0

16.00

15.90

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.988 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.03 min

Lab File: VL039421.D

Acq: 5 Jul 2022 15:46

Tgt Ion:105 Resp: 4224582

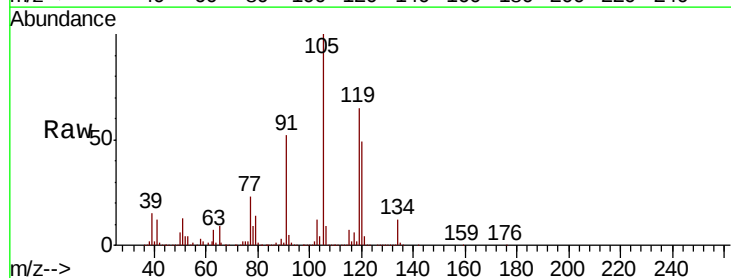
Ion Ratio Lower Upper

105 100

120 49.1 39.5 59.3

91 51.8 39.2 58.8

77 22.5 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

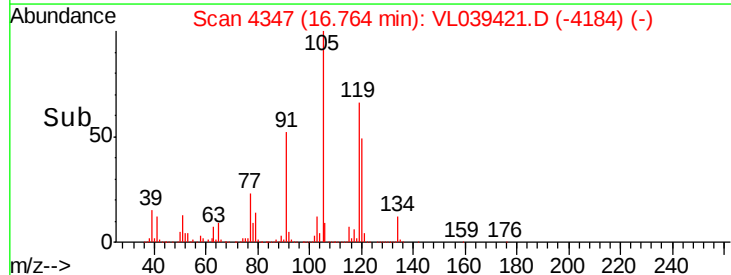
0

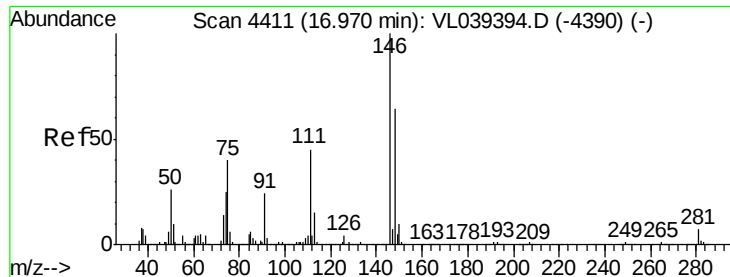
16.76

16.70

16.90

Time-->

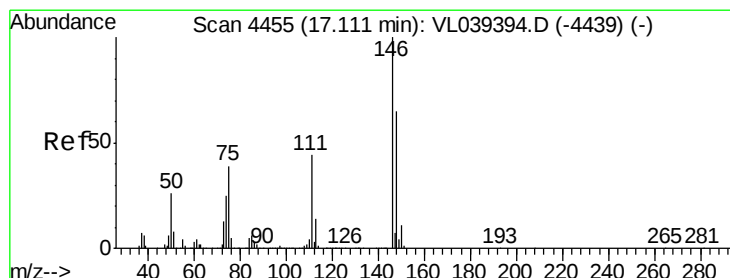
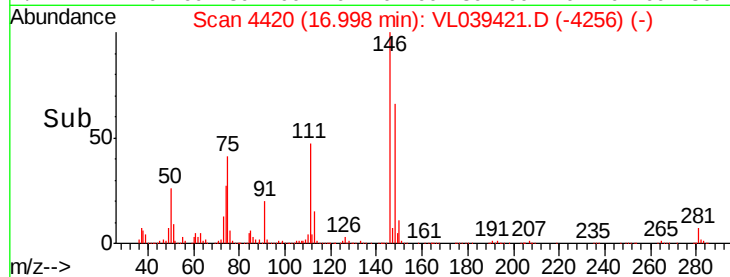
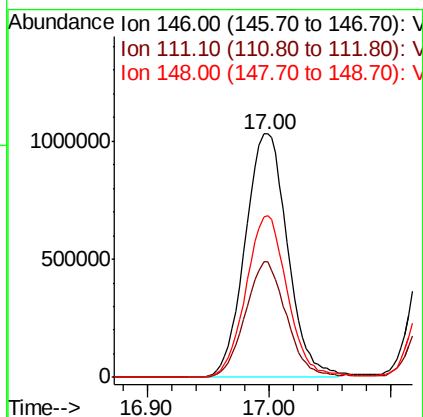
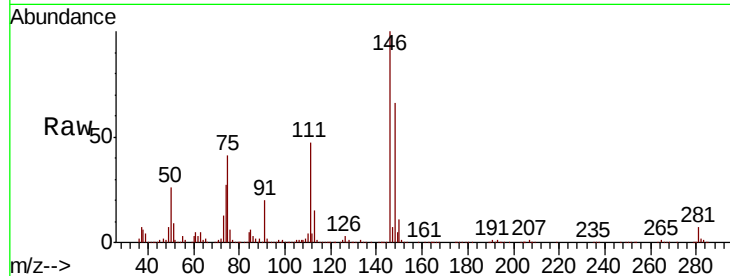




#75
 1,3-Dichlorobenzene
 Concen: 7.851 ppbv
 RT: 17.00 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL0705ABS01
 Acq: 5 Jul 2022 15:48

Tot Ion:146 Resp: 2476558

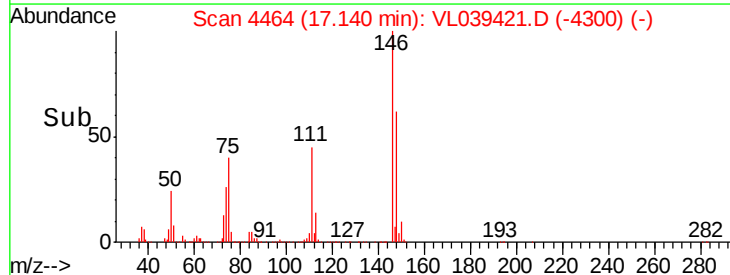
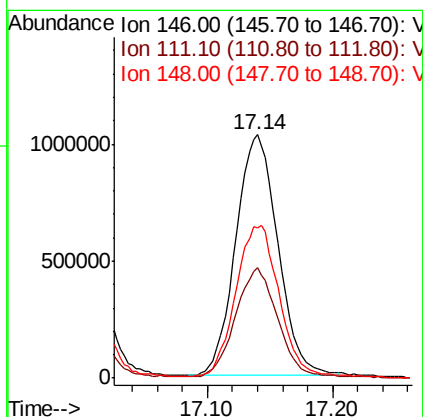
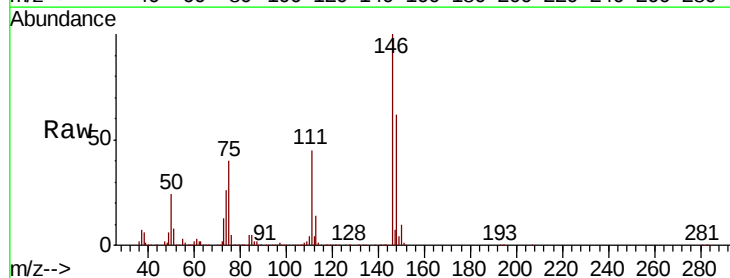
Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.7
148	64.9	32.1	96.5

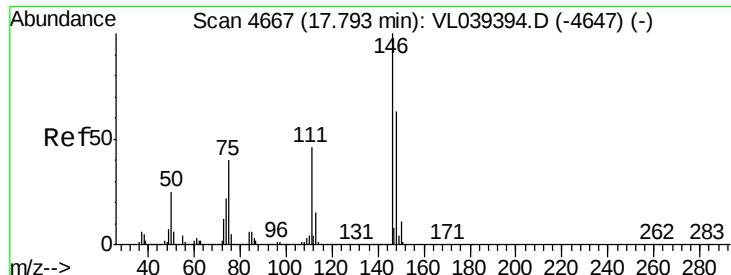


#76
 1,4-Dichlorobenzene
 Concen: 7.701 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.03 min
 Lab File: VL039421.D
 Acq: 5 Jul 2022 15:46

Tgt Ion:146 Resp: 2407918

Ion	Ratio	Lower	Upper
146	100		
111	46.4	22.9	68.8
148	66.0	33.6	100.8





#77

1,2-Dichlorobenzene

Concen: 7.788 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Jul 2022 15:48

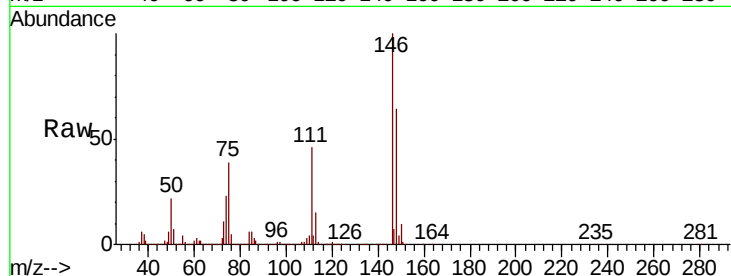
Tot Ion:146 Resp: 2435078

Ion Ratio Lower Upper

146 100

111 48.0 23.8 71.5

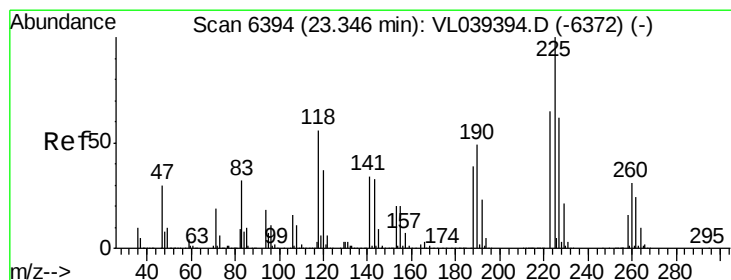
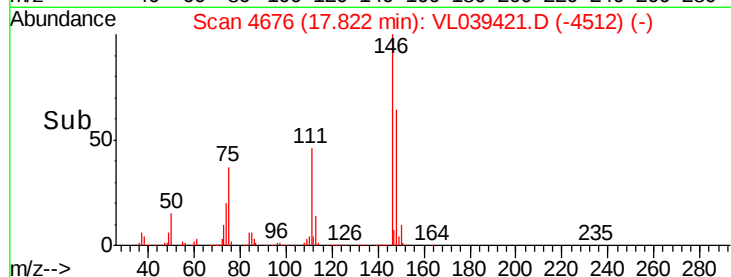
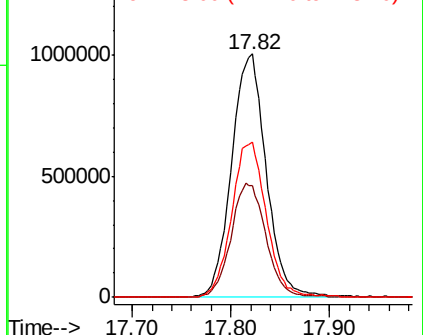
148 64.5 32.3 96.8



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: 6.760 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. 0.03 min

Lab File: VL039421.D

Acq: 5 Jul 2022 15:46

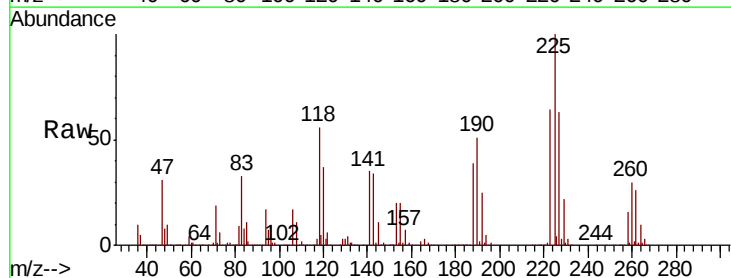
Tgt Ion:225 Resp: 1699955

Ion Ratio Lower Upper

225 100

223 63.3 51.8 77.6

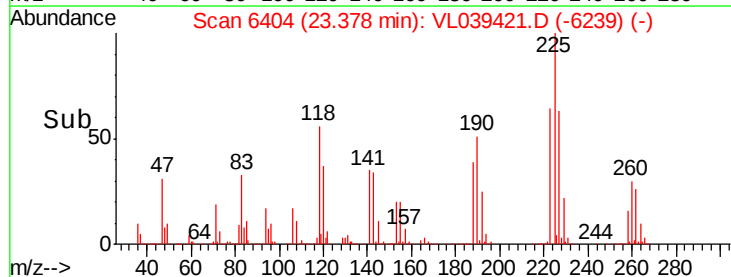
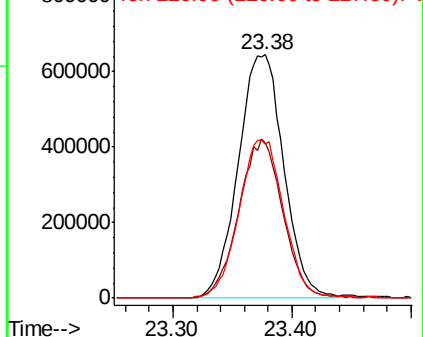
227 64.8 51.4 77.2

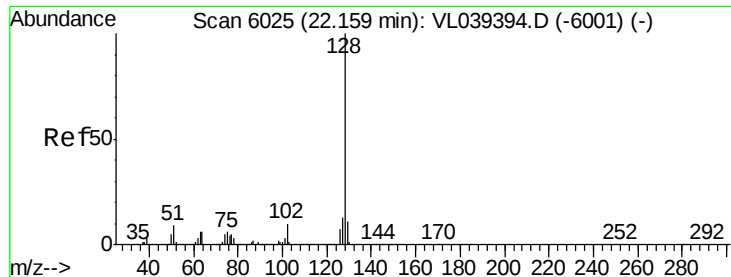


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

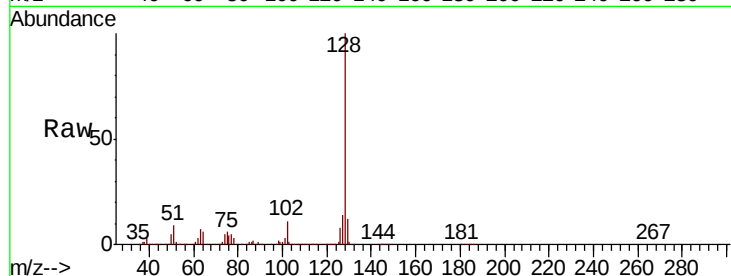




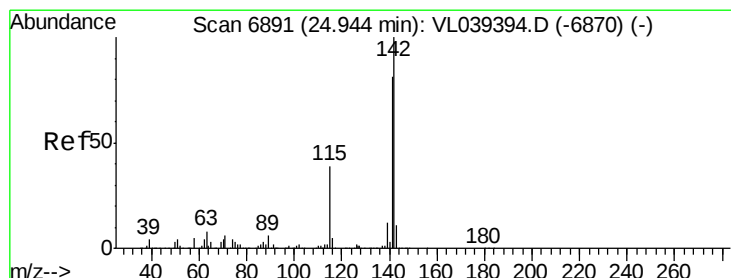
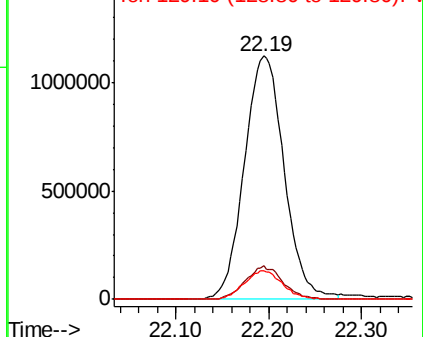
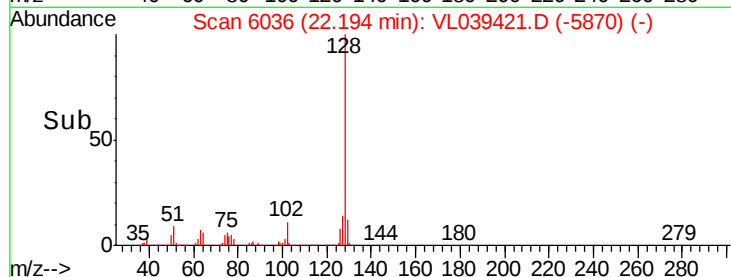
#79
Naphthalene
Concen: 9.194 ppbv
RT: 22.19 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0705ABS01
Acq: 5 Jul 2022 15:48

Tot Ion:128 Resp: 3346081

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	11.6	8.8	13.2



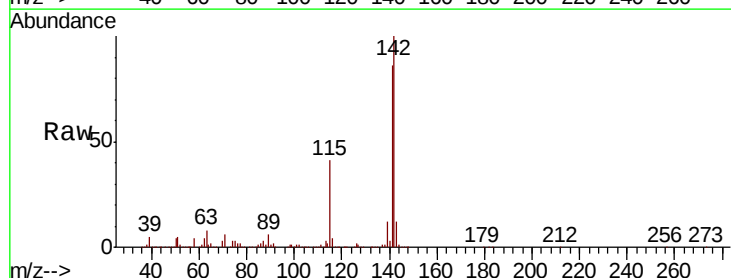
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



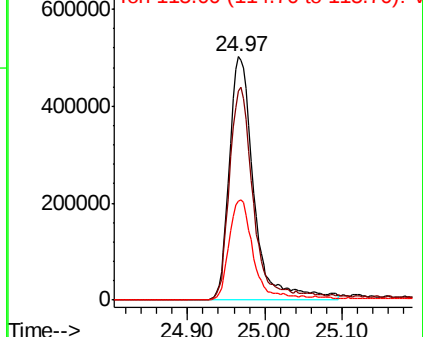
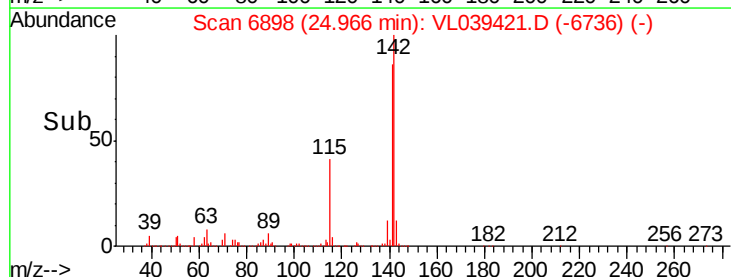
#80
Naphthalene, 2-methyl-
Concen: 8.918 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.02 min
Lab File: VL039421.D
Acq: 5 Jul 2022 15:46

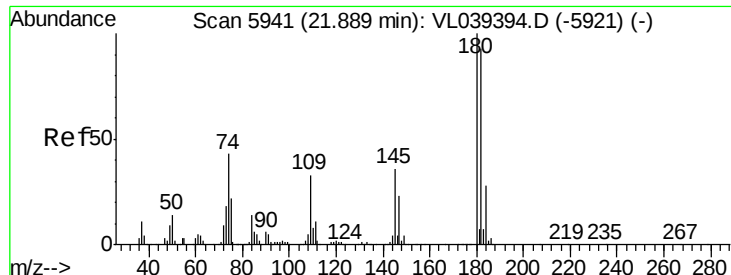
Tgt Ion:142 Resp: 1104648

Ion	Ratio	Lower	Upper
142	100		
141	88.2	68.9	103.3
115	42.0	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: 8.122 ppbv

RT: 21.92

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Jul 2022 13:48

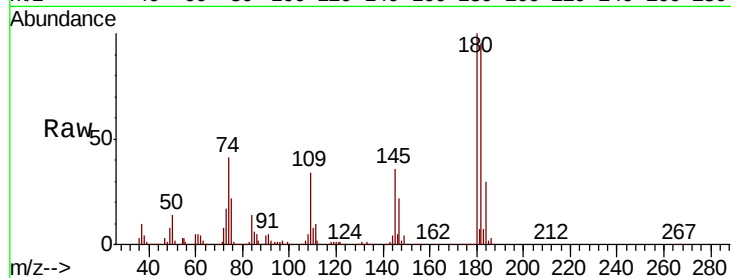
Tot Ion:180 Resp: 1925346

Ion Ratio Lower Upper

180 100

182 97.0 77.1 115.7

184 30.3 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

