

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061322\
 Data File : VL039255.D
 Acq On : 13 Jun 2022 14:30
 Operator : SY/AP
 Sample : VL0613ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0613ABS01

Quant Time: Jun 14 01:30:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1314614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3017009	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2869563	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2652458	11.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	2243677	9.717 ppbv	98
3) Chlorodifluoromethane	3.00	51	1633872	9.768 ppbv	96
4) Chloromethane	3.15	50	810110	9.429 ppbv	99
5) Vinyl Chloride	3.26	62	861177	10.722 ppbv	99
6) Bromomethane	3.48	94	389465	9.857 ppbv	96
7) Chloroethane	3.56	64	327908	11.716 ppbv	93
8) Dichlorotetrafluoroethane	3.20	85	2250420	10.664 ppbv	99
9) Propene	3.02	41	578442	7.931 ppbv	98
10) Heptane	8.13	43	1496071	8.793 ppbv	99
11) Trichlorofluoromethane	3.96	101	2480399	11.867 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1671678	12.094 ppbv	99
13) Ethanol	3.61	45	28343	7.126 ppbv #	100
14) Bromoethene	3.74	108	706164	11.364 ppbv	99
15) Acetone	3.85	43	1554548	11.352 ppbv	97
16) 1,3-Butadiene	3.33	39	807038	10.963 ppbv	100
17) tert-Butyl alcohol	4.29	59	1426181	13.427 ppbv	98
18) 1,1-Dichloroethene	4.29	96	738592	11.912 ppbv	95
19) Isopropyl Alcohol	3.96	45	760876	11.846 ppbv #	97
20) Methylene Chloride	4.35	84	609587	10.563 ppbv	95
21) Allyl Chloride	4.42	41	1069541	11.578 ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	768852	12.887 ppbv	97
23) Vinyl Acetate	5.08	43	1244106	10.980 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1518907	9.784 ppbv	98
25) Ethyl Acetate	5.68	43	2900856	9.399 ppbv	99
26) Hexane	5.69	57	1200483	8.851 ppbv	93
27) Carbon Disulfide	4.56	76	1773709	12.617 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1444763	9.649 ppbv	99
29) Chloroform	5.76	83	2244003	9.832 ppbv	99
30) Cyclohexane	7.14	84	958273	8.410 ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1366878	9.883 ppbv	91
32) 1,1,1-Trichloroethane	6.52	97	2416905	10.822 ppbv	98
34) 2-Butanone	5.25	43	1760636	10.742 ppbv	99
35) Carbon Tetrachloride	7.02	117	2561293	11.631 ppbv	98
36) Benzene	6.90	78	2310517	9.433 ppbv	96
37) 1,2-Dichloroethane	6.31	62	1919665	11.909 ppbv #	96
38) Trichloroethene	7.84	130	1173559	10.431 ppbv	96
39) 1,2-Dichloropropane	7.62	63	912678	9.368 ppbv	92
40) 1,4-Dioxane	7.84	88	333990	10.413 ppbv	88
41) Tetrahydrofuran	6.05	42	939128	9.527 ppbv	99
42) Bromodichloromethane	7.80	83	2476299	11.069 ppbv	100
43) Methyl Methacrylate	8.02	69	980975	10.282 ppbv	95

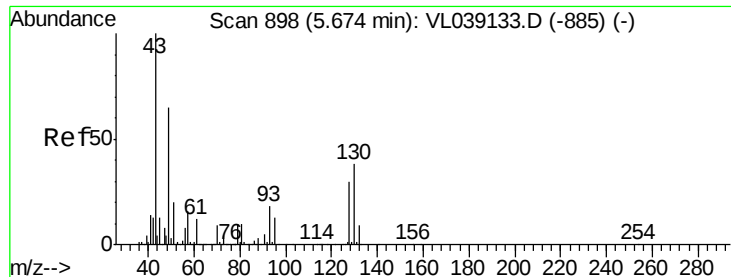
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061322\
 Data File : VL039255.D
 Acq On : 13 Jun 2022 14:30
 Operator : SY/AP
 Sample : VL0613ABS01
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Quant Time: Jun 14 01:30:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4062408	9.481	ppbv	96
45) t-1,3-Dichloropropene	9.28	75	1132147	11.394	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1370279	10.439	ppbv	92
47) 1,1,2-Trichloroethane	9.48	97	998964	9.828	ppbv	99
48) Dibromochloromethane	10.31	129	2020903	11.135	ppbv	98
49) Bromoform	13.04	173	1622273	10.726	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2557850	10.425	ppbv	99
51) 2-Hexanone	10.13	43	2012505	10.542	ppbv #	95
52) Tetrachloroethene	11.23	164	858620	8.978	ppbv	92
53) Toluene	9.81	91	2732701	9.689	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1403978	10.279	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.13	131	1370856	10.096	ppbv	96
57) Chlorobenzene	12.15	112	2065773	9.568	ppbv	96
58) Ethyl Benzene	12.71	91	3825516	9.678	ppbv	96
59) m/p-Xylene	13.00	91	3770887	10.833	ppbv #	49
60) o-Xylene	13.70	91	3460489	10.580	ppbv	96
61) Styrene	13.53	104	1771495	10.114	ppbv	96
62) Isopropylbenzene	14.67	105	4910693	10.102	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	1750311	9.534	ppbv	100
64) n-propylbenzene	15.56	120	1229438	10.288	ppbv	96
65) tert-Butylbenzene	16.75	119	4629696	10.415	ppbv	95
66) Benzyl Chloride	16.99	91	523402	9.055	ppbv	98
67) sec-Butylbenzene	17.29	105	6347479	10.465	ppbv	100
69) p-Isopropyltoluene	17.65	119	5368928	10.492	ppbv	97
70) n-Butylbenzene	18.55	91	5701176	10.854	ppbv	99
71) 2-Chlorotoluene	15.46	91	3809049	10.275	ppbv	98
72) 4-Ethyltoluene	15.84	105	4031650	10.517	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	3717112	10.751	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4142644	10.737	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2266944	10.380	ppbv	98
76) 1,4-Dichlorobenzene	17.14	146	2164238	9.932	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2195622	9.975	ppbv	98
78) Hexachloro-1,3-Butadiene	23.38	225	1860555	9.244	ppbv	99
79) Naphthalene	22.20	128	3276723	11.032	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	975710	8.842	ppbv	91
81) 1,2,4-Trichlorobenzene	21.94	180	1937402	10.296	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. ClientSampleId:

Lab File: VL0613ABS01

Acq: 13 Jun 2022 14:30

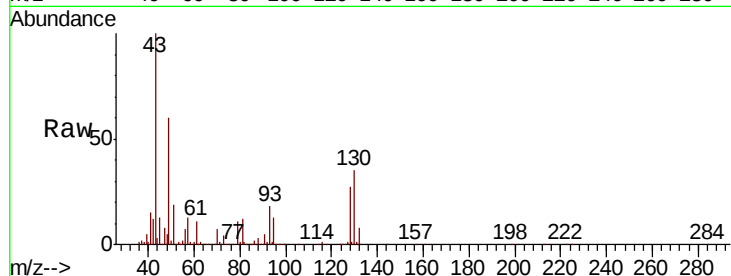
Tot Ion: 49 Resp: 1314614

Ion Ratio Lower Upper

49 100

128 47.8 24.7 74.1

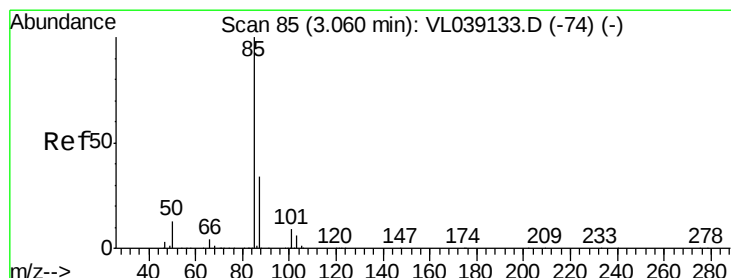
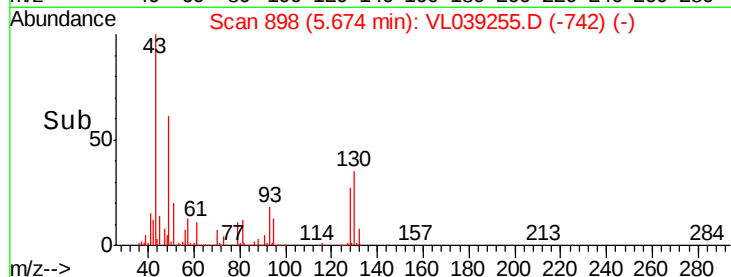
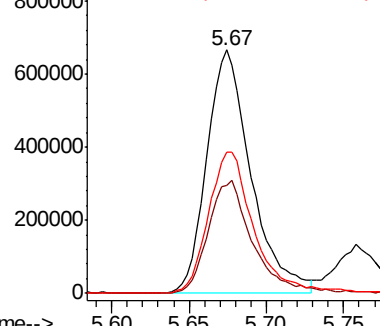
130 61.1 31.4 94.0



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: 9.717 ppbv

RT: 3.06 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL039255.D

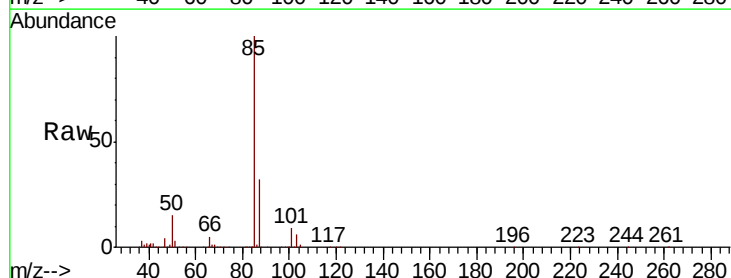
Acq: 13 Jun 2022 14:30

Tgt Ion: 85 Resp: 2243677

Ion Ratio Lower Upper

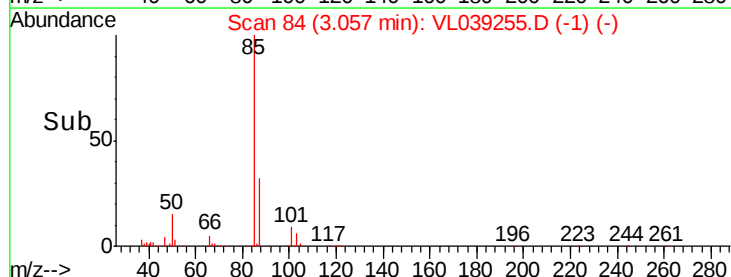
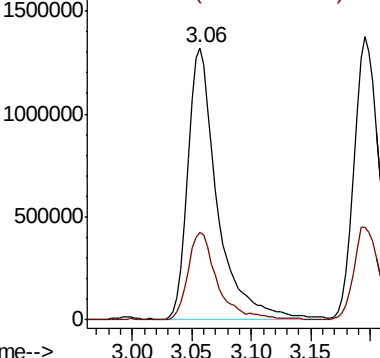
85 100

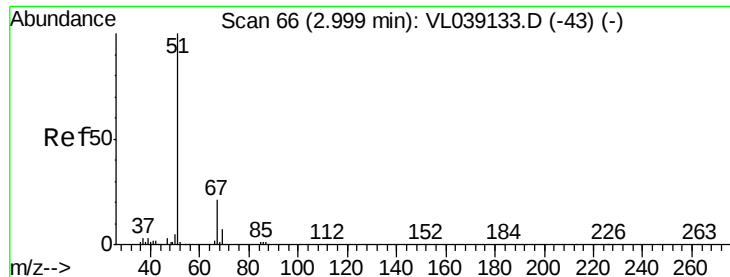
87 32.2 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.768 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

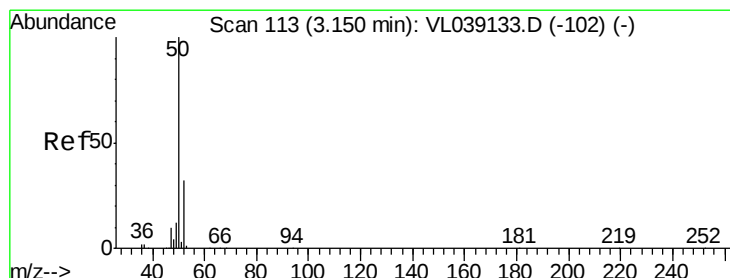
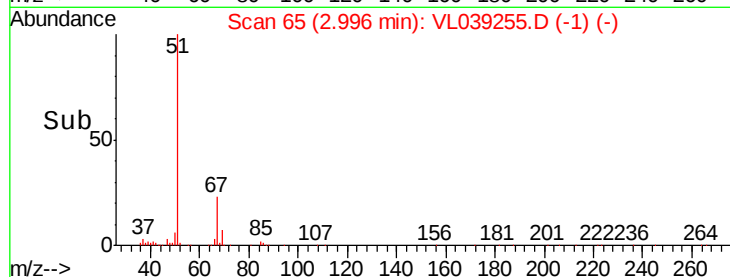
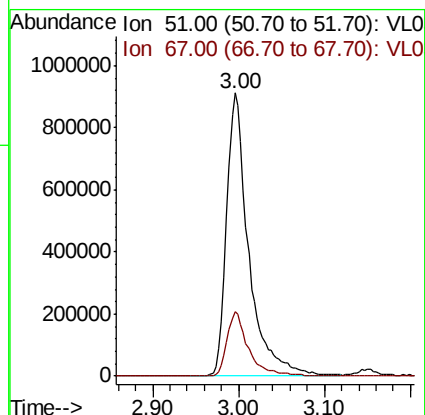
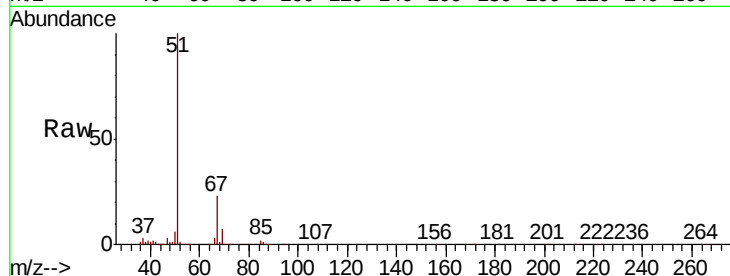
Acq: 13 Jun 2022 14:30 VL0613ABS01

Tot Ion: 51 Resp: 1633872

Ion Ratio Lower Upper

51 100

67 22.3 16.2 24.4



#4

Chloromethane

Concen: 9.429 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL039255.D

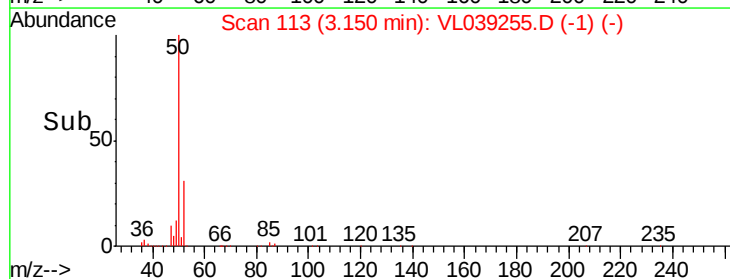
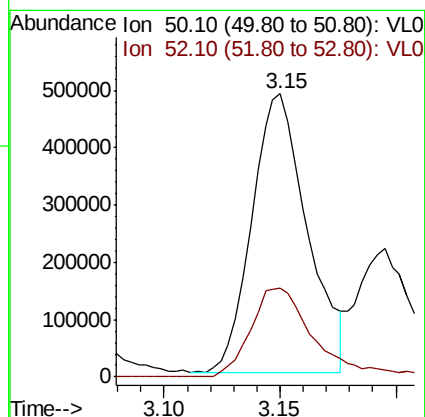
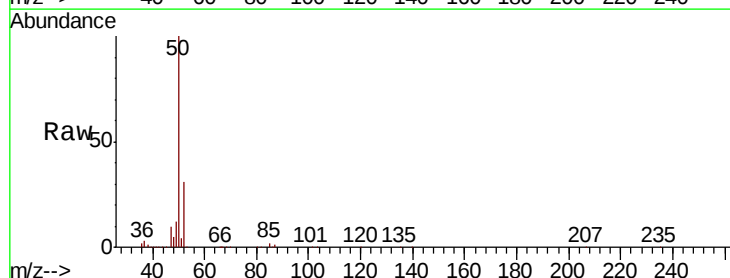
Acq: 13 Jun 2022 14:30

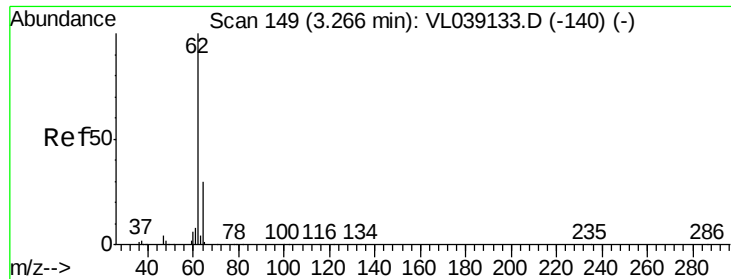
Tgt Ion: 50 Resp: 810110

Ion Ratio Lower Upper

50 100

52 31.8 25.9 38.9





#5

Vinyl Chloride

Concen: 10.722 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0613ABS01

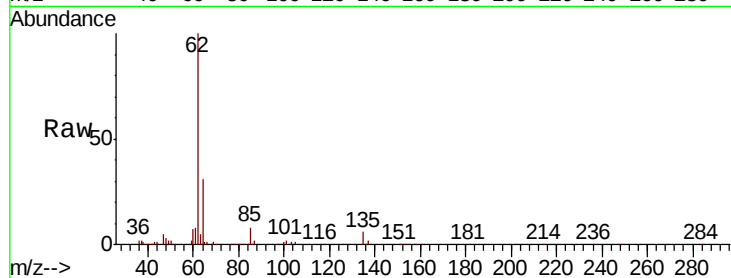
Acq: 13 Jun 2022 14:30

Tot Ion: 62 Resp: 861177

Ion Ratio Lower Upper

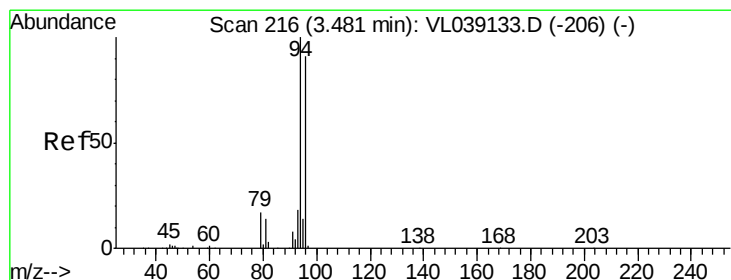
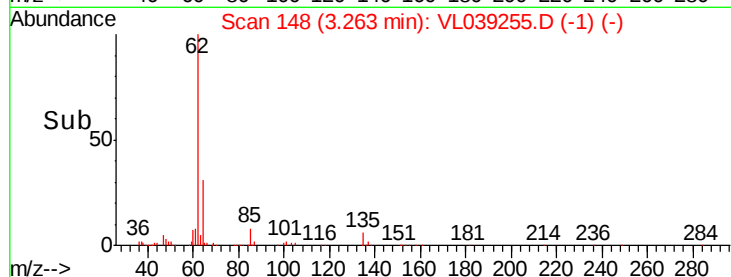
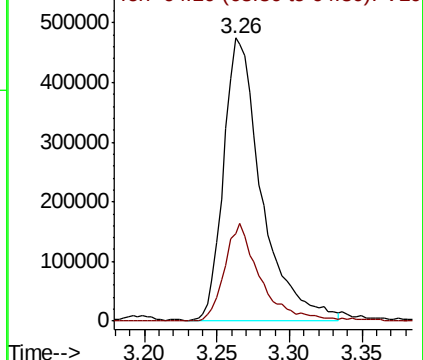
62 100

64 30.8 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.857 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL039255.D

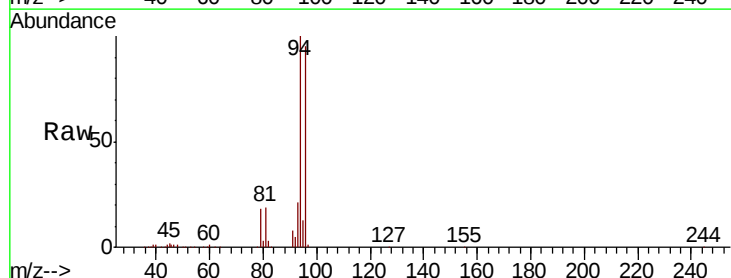
Acq: 13 Jun 2022 14:30

Tgt Ion: 94 Resp: 389465

Ion Ratio Lower Upper

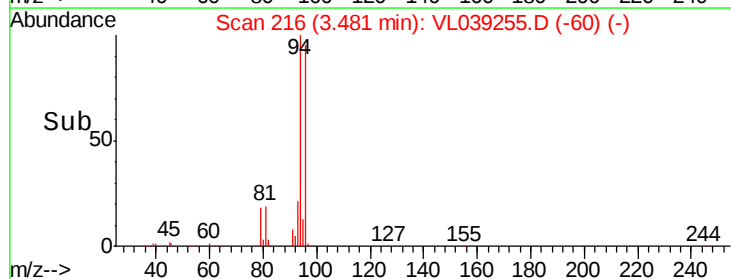
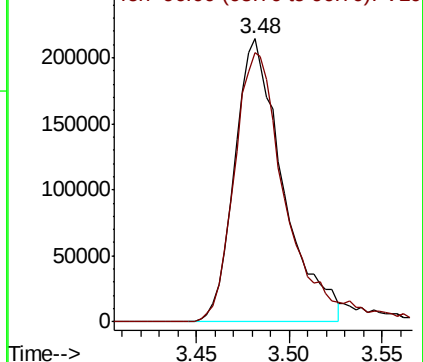
94 100

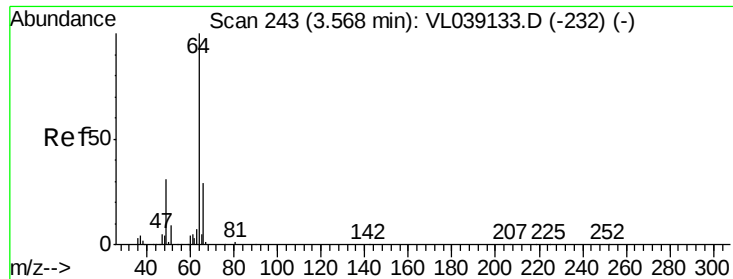
96 94.9 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.716 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0613ABS01

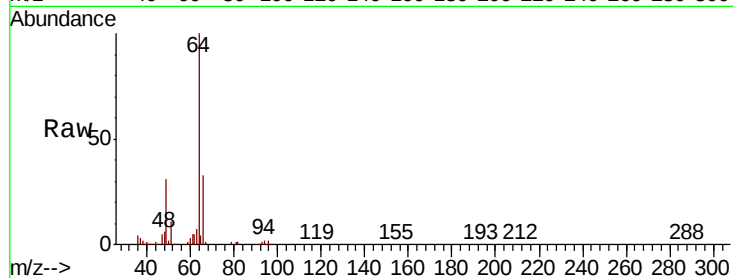
Acq: 13 Jun 2022 14:30

Tot Ion: 64 Resp: 327908

Ion Ratio Lower Upper

64 100

66 33.4 23.6 35.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

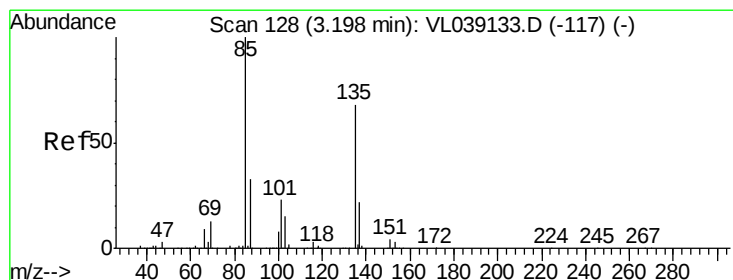
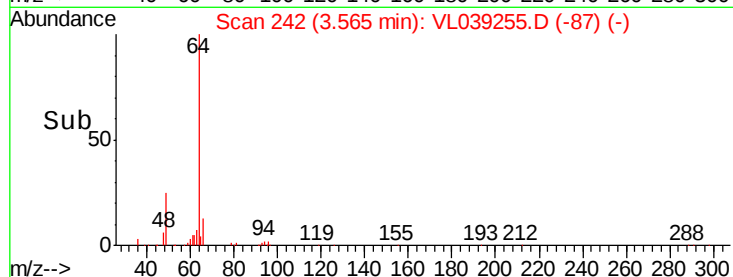
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.664 ppbv

RT: 3.20 min Scan# 127

Delta R.T. -0.00 min

Lab File: VL039255.D

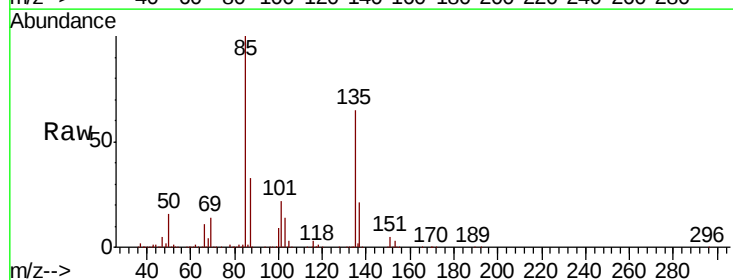
Acq: 13 Jun 2022 14:30

Tgt Ion: 85 Resp: 2250420

Ion Ratio Lower Upper

85 100

135 67.6 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

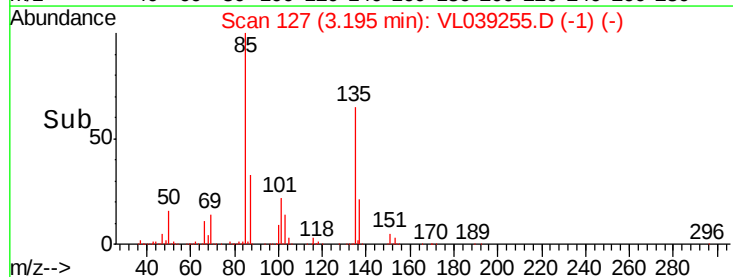
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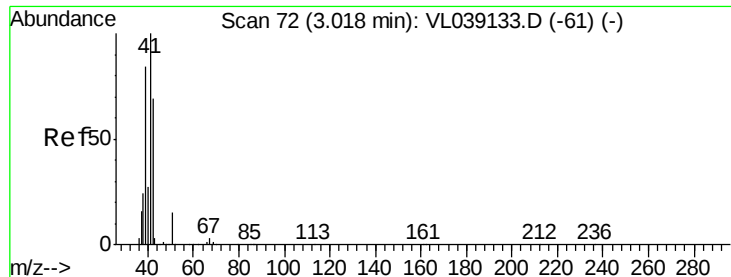
1000000

500000

0

Time-->





#9

Propene

Concen: 7.931 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: VL0613ABS01 ClientSampleId:

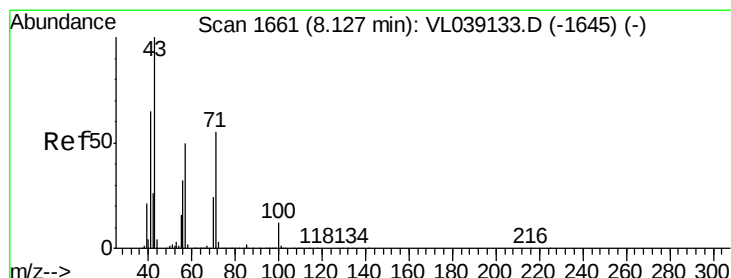
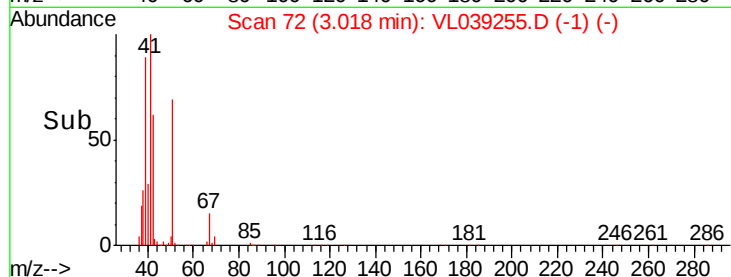
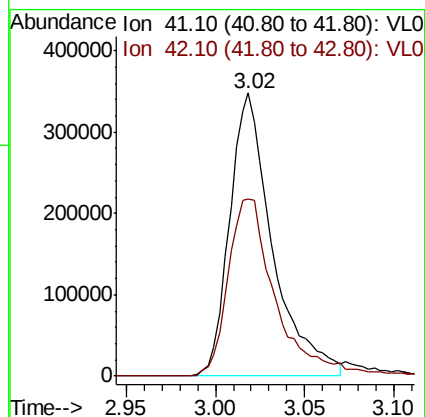
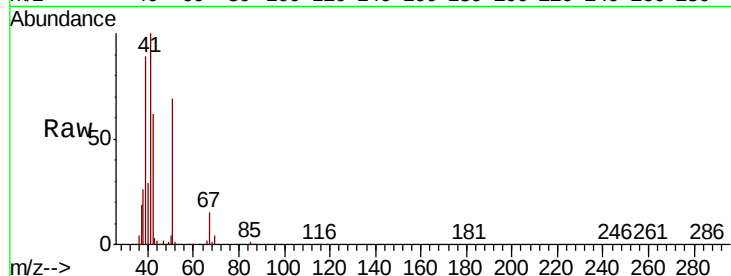
Acq: 13 Jun 2022 14:30

Tot Ion: 41 Resp: 578442

Ion Ratio Lower Upper

41 100

42 70.9 55.4 83.2



#10

Heptane

Concen: 8.793 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL039255.D

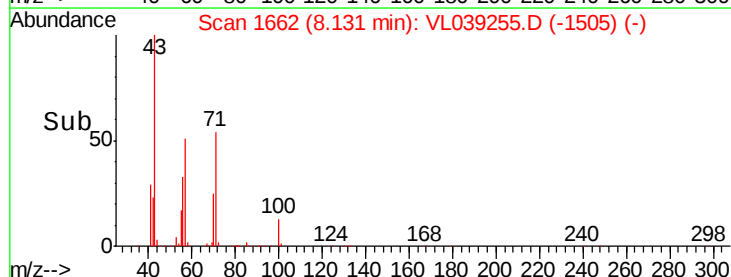
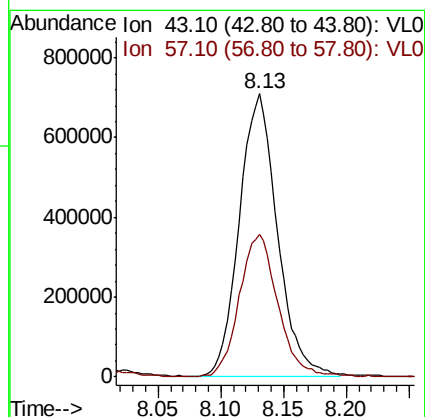
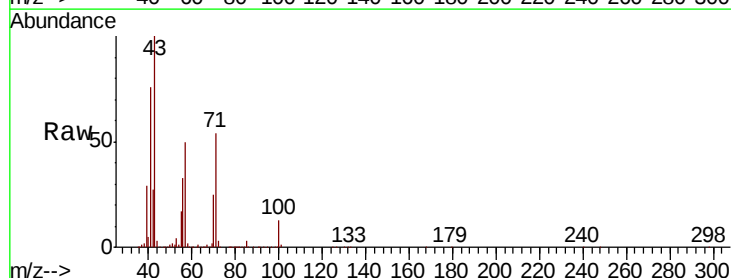
Acq: 13 Jun 2022 14:30

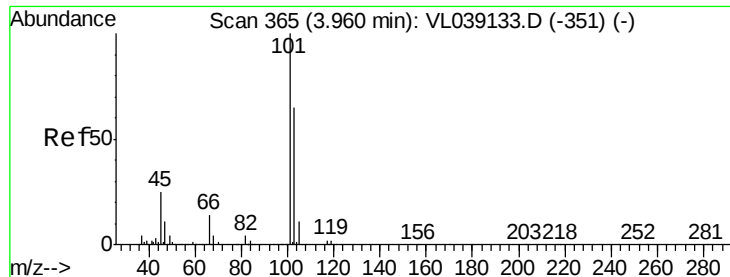
Tgt Ion: 43 Resp: 1496071

Ion Ratio Lower Upper

43 100

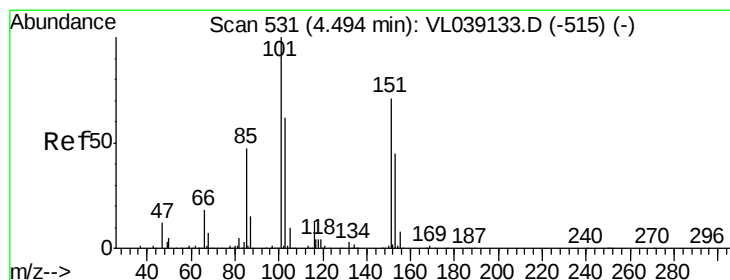
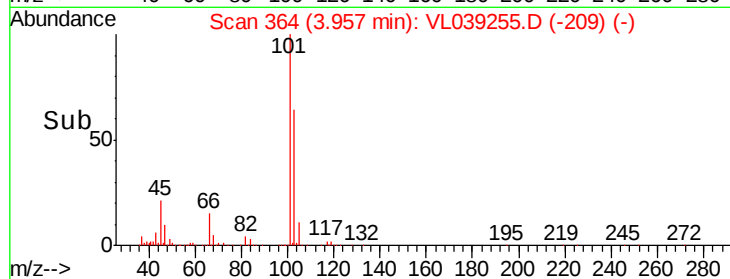
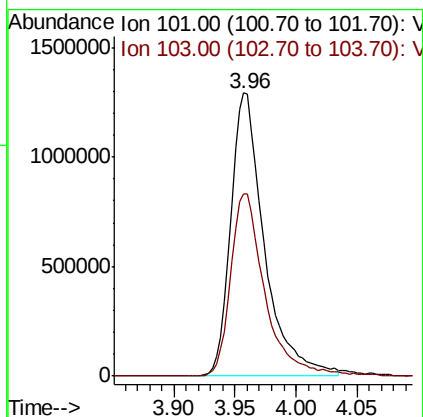
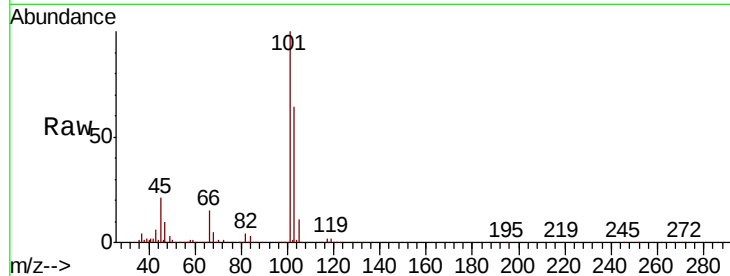
57 50.9 41.4 62.2





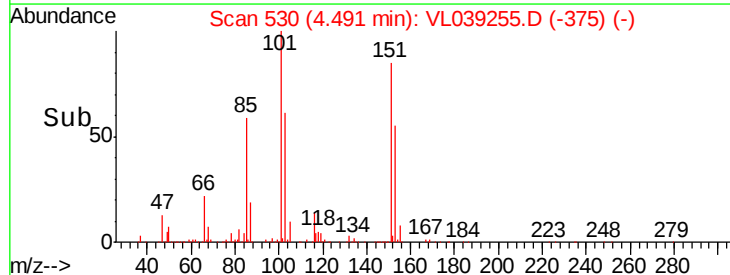
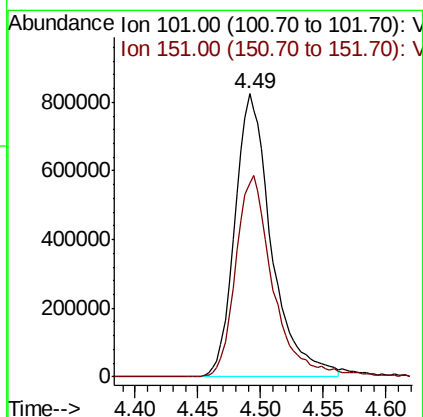
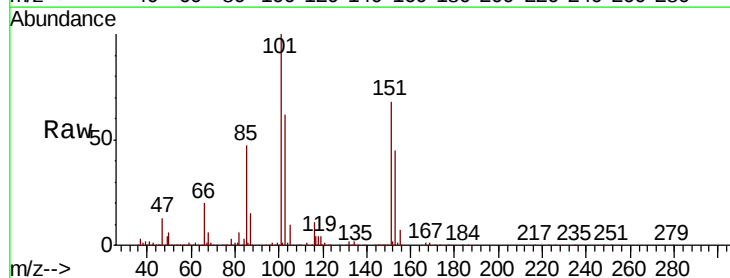
#11
 Trichlorofluoromethane
 Concen: 11.867 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0613ABS01
 Acq: 13 Jun 2022 14:30

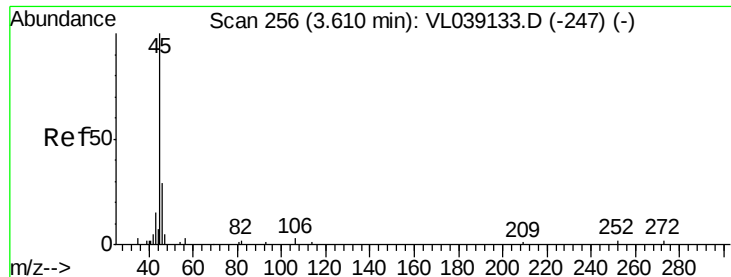
Tot Ion:101 Resp: 2480399
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.094 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

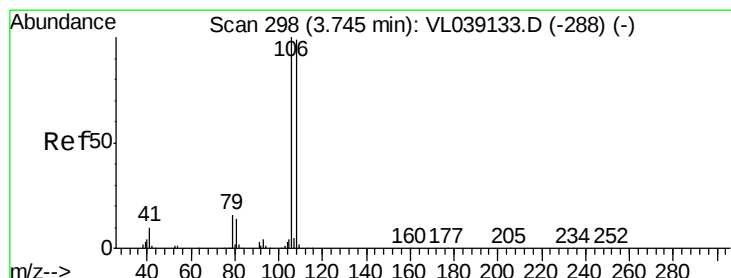
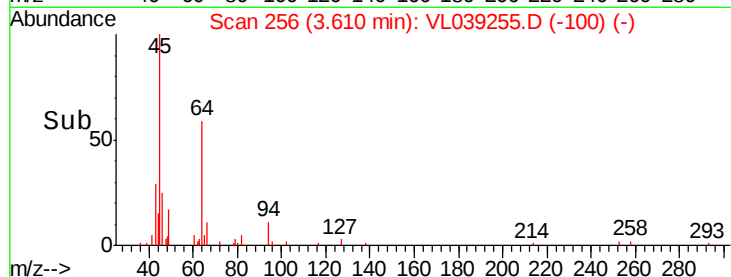
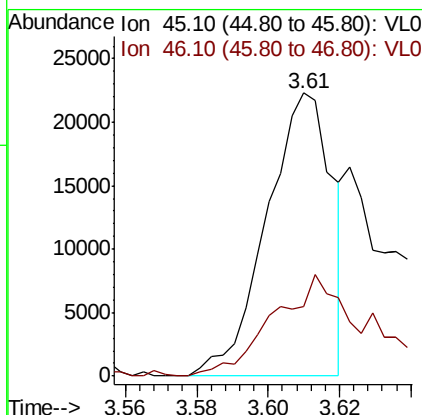
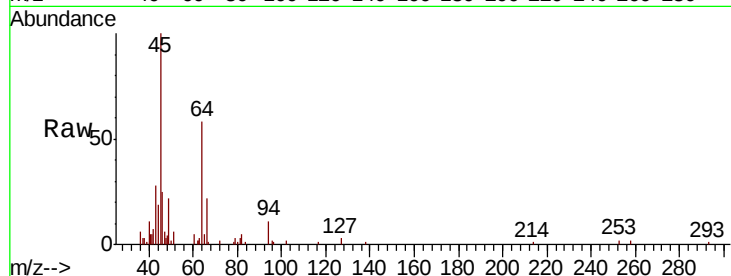
Tgt Ion:101 Resp: 1671678
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.4 89.0





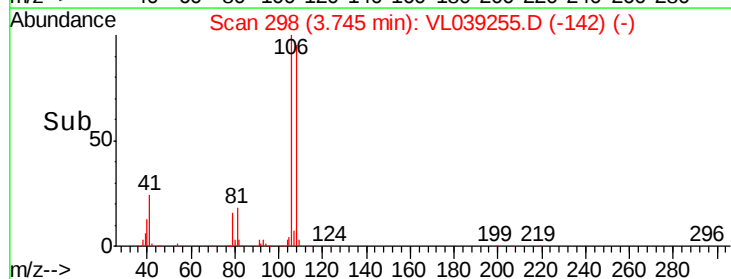
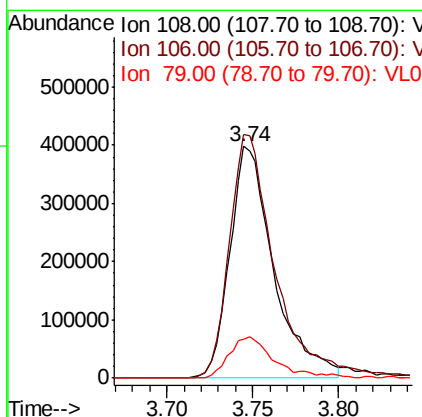
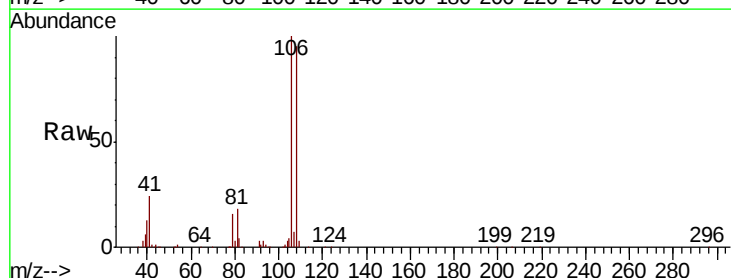
#13
Ethanol
Concen: 7.126 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0613ABS01
Acq: 13 Jun 2022 14:30

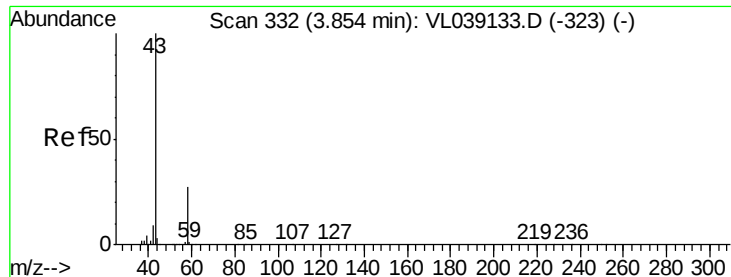
Tot Ion: 45 Resp: 28343
Ion Ratio Lower Upper
45 100
46 61.7 0.0 0.0#



#14
Bromoethene
Concen: 11.364 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

Tgt Ion:108 Resp: 706164
Ion Ratio Lower Upper
108 100
106 111.5 88.4 132.6
79 18.7 13.4 20.2





#15

Acetone

Concen: 11.352 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

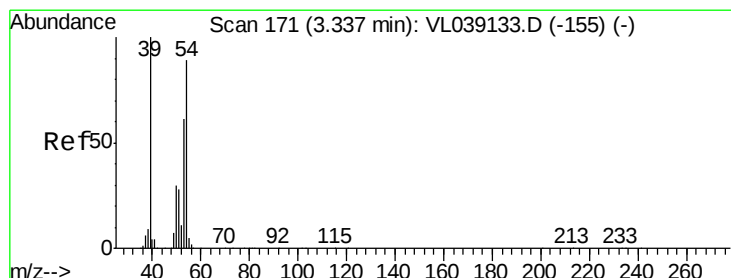
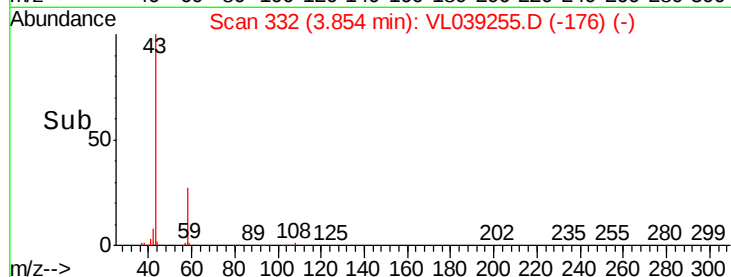
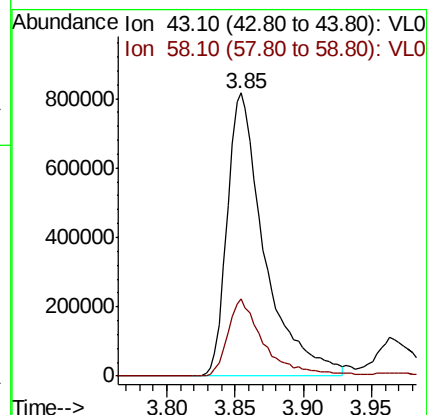
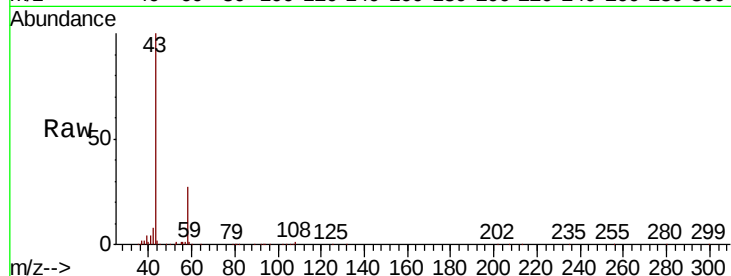
Acq: 13 Jun 2022 14:30 VL0613ABS01

Tot Ion: 43 Resp: 1554548

Ion Ratio Lower Upper

43 100

58 26.5 22.5 33.7



#16

1,3-Butadiene

Concen: 10.963 ppbv

RT: 3.33 min Scan# 170

Delta R.T. -0.00 min

Lab File: VL039255.D

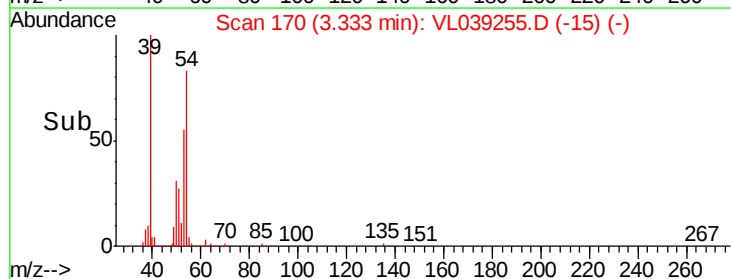
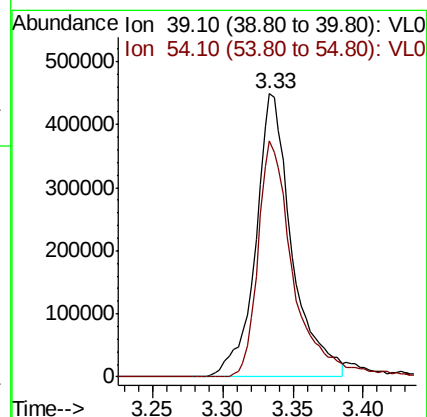
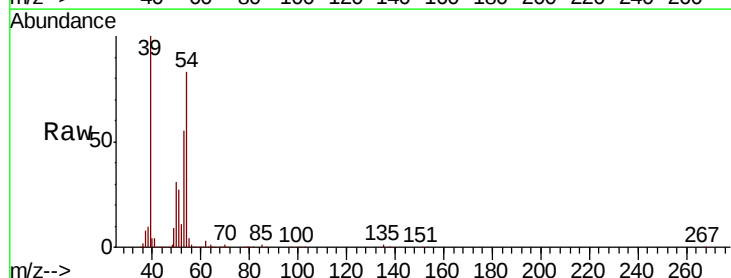
Acq: 13 Jun 2022 14:30

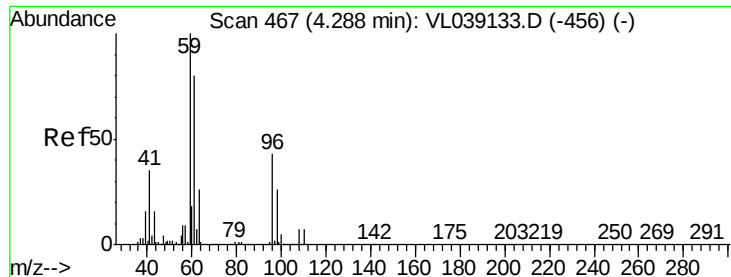
Tgt Ion: 39 Resp: 807038

Ion Ratio Lower Upper

39 100

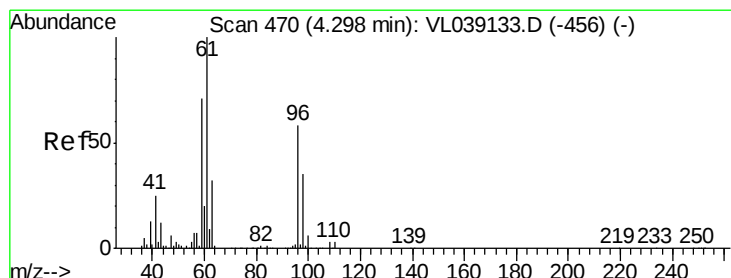
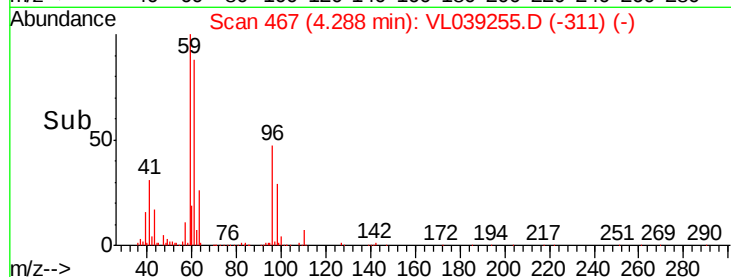
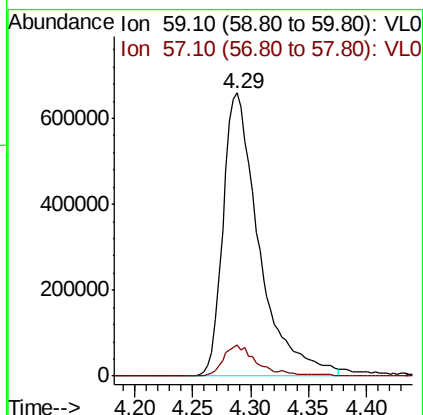
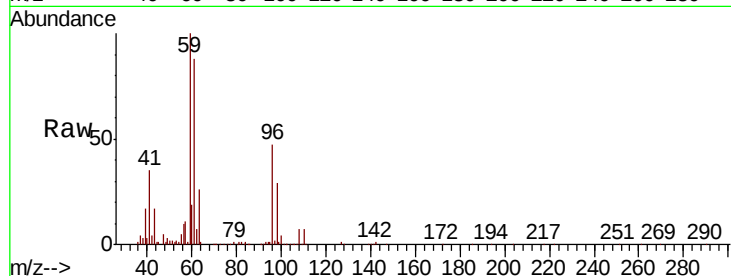
54 82.5 65.8 98.6





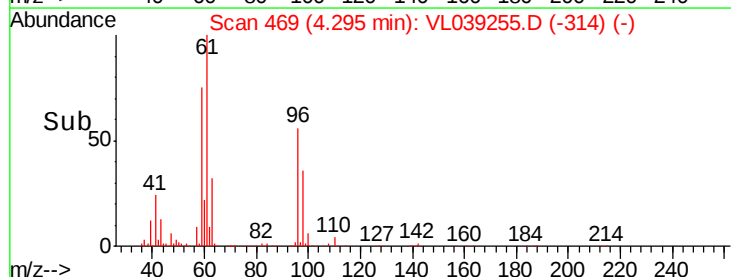
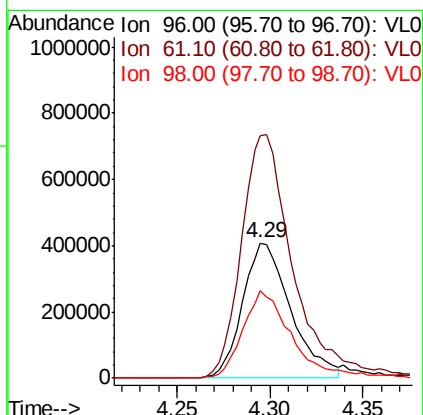
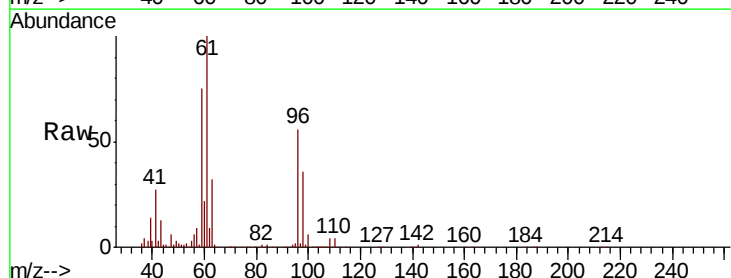
#17
 tert-Butyl alcohol
 Concen: 13.427 ppbv
 RT: 4.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0613ABS01
 Acq: 13 Jun 2022 14:30

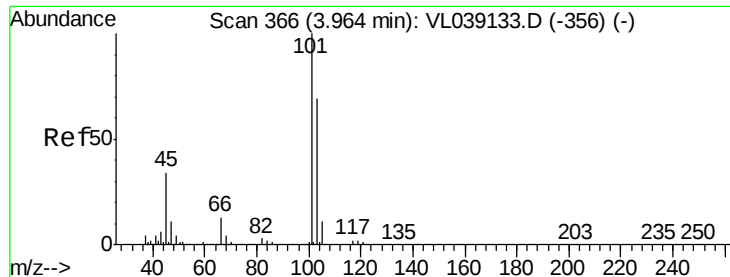
Tot Ion: 59 Resp: 1426181
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.1 13.7



#18
 1,1-Dichloroethene
 Concen: 11.912 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T.: -0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

Tgt Ion: 96 Resp: 738592
 Ion Ratio Lower Upper
 96 100
 61 178.9 138.4 207.6
 98 64.8 47.8 71.8





#19

Isopropyl Alcohol

Concen: 11.846 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

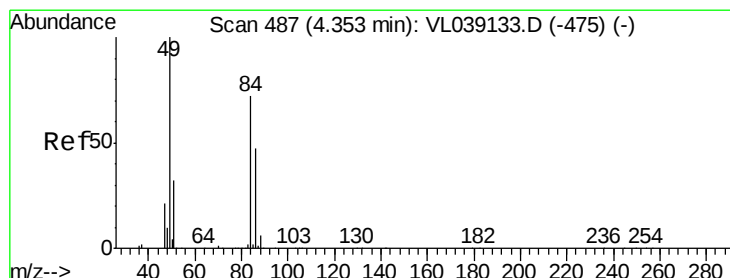
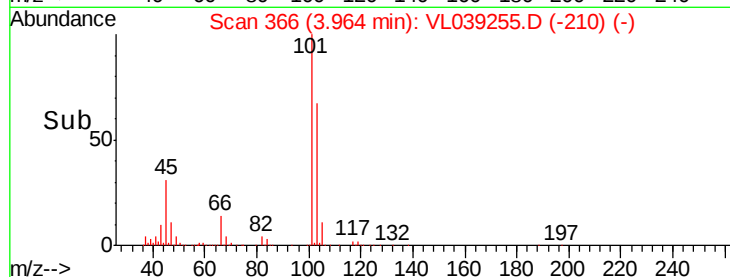
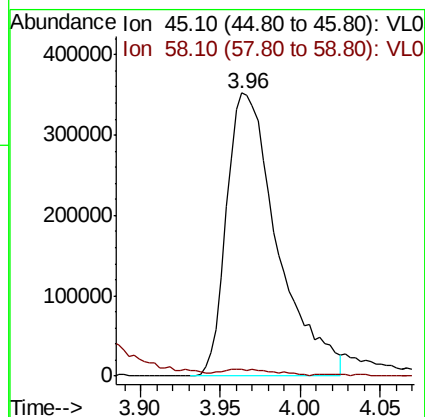
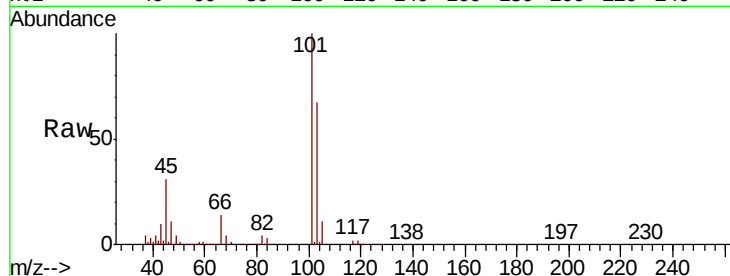
Acq: 13 Jun 2022 14:30 VL0613ABS01

Tot Ion: 45 Resp: 760876

Ion Ratio Lower Upper

45 100

58 3.2 1.8 2.8#



#20

Methylene Chloride

Concen: 10.563 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.00 min

Lab File: VL039255.D

Acq: 13 Jun 2022 14:30

Tgt Ion: 84 Resp: 609587

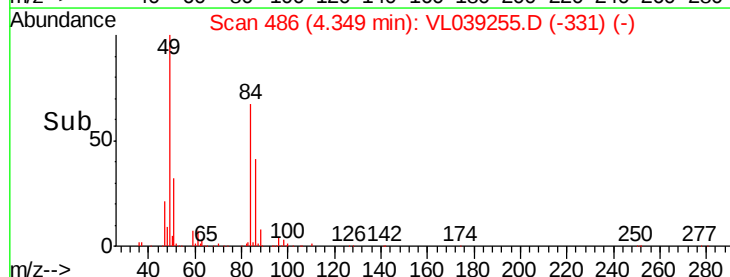
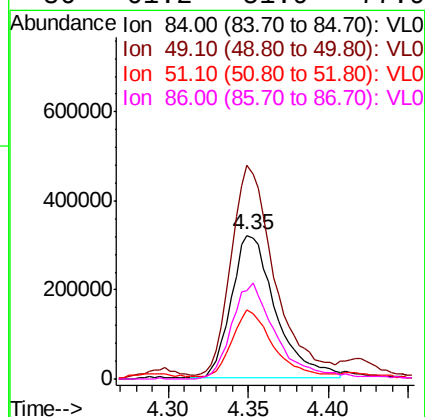
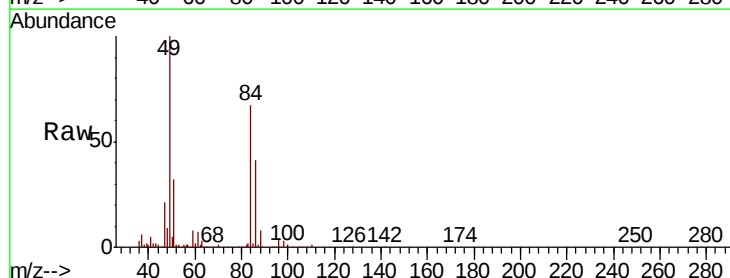
Ion Ratio Lower Upper

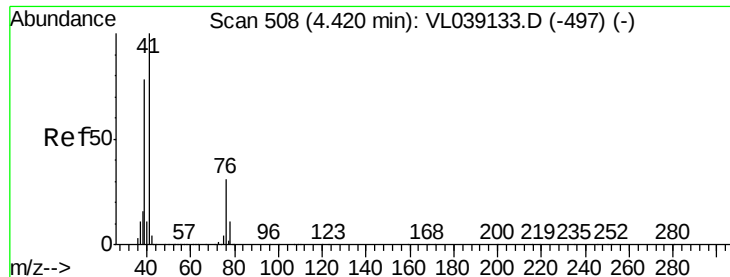
84 100

49 146.1 111.1 166.7

51 46.5 35.3 52.9

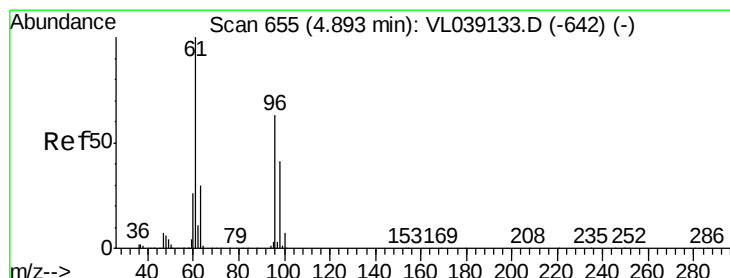
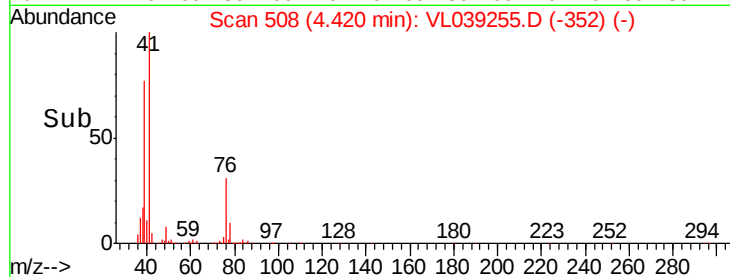
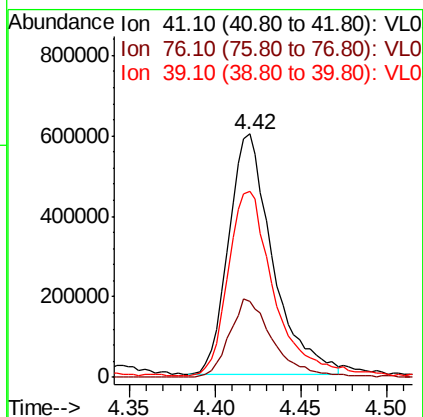
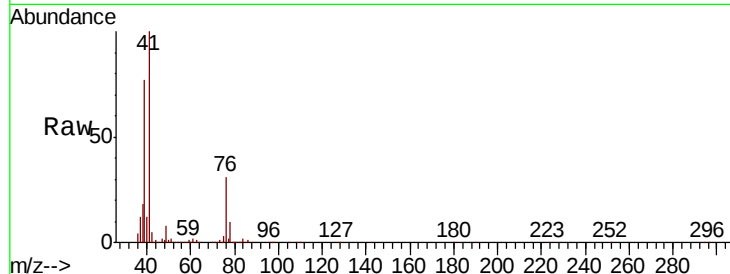
86 61.2 51.9 77.9





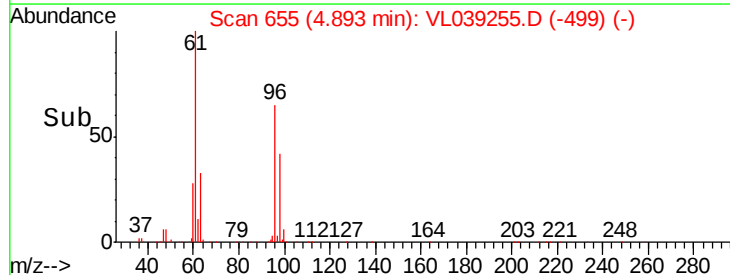
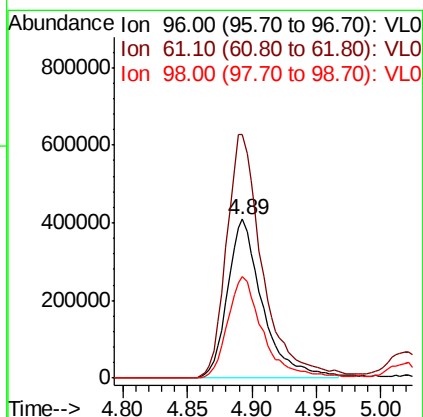
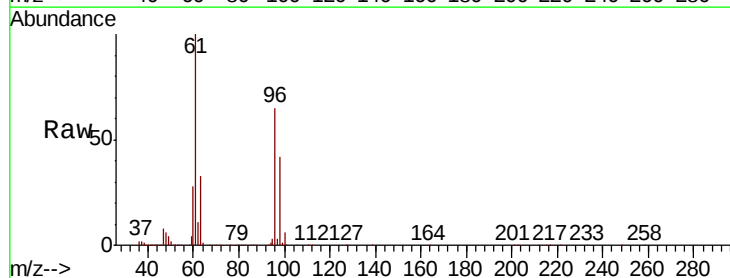
#21
 Allvl Chloride
 Concen: 11.578 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0613ABS01
 Acq: 13 Jun 2022 14:30

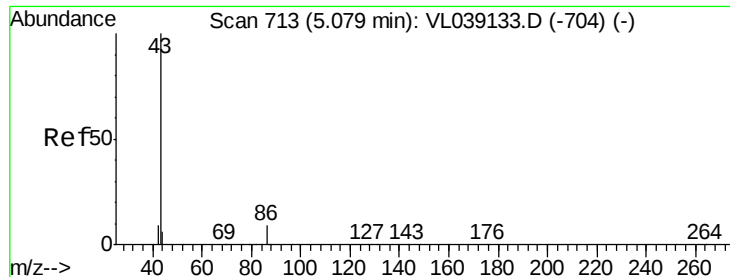
Tot Ion: 41 Resp: 1069541
 Ion Ratio Lower Upper
 41 100
 76 32.6 24.2 36.2
 39 80.9 62.2 93.2



#22
 trans-1,2-Dichloroethene
 Concen: 12.887 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

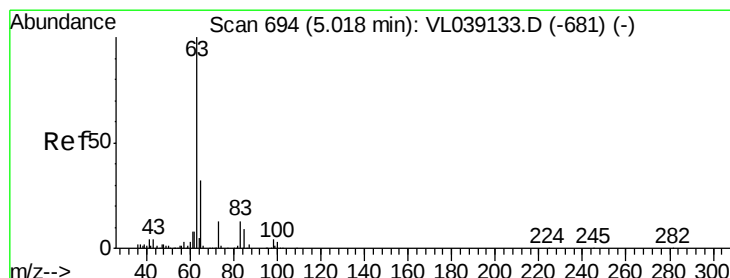
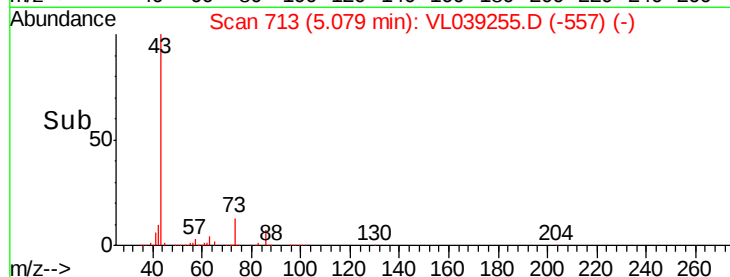
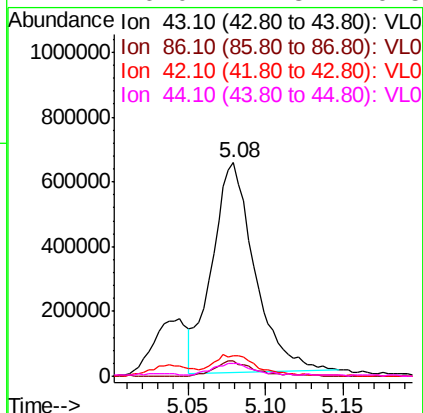
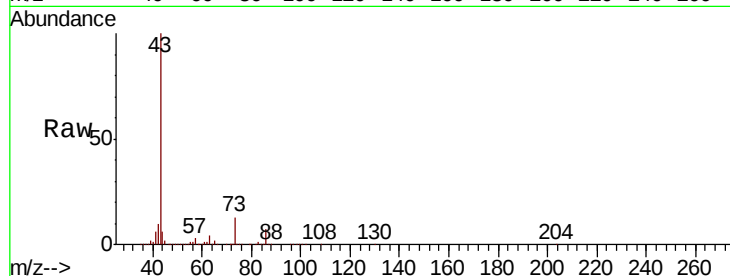
Tgt Ion: 96 Resp: 768852
 Ion Ratio Lower Upper
 96 100
 61 153.1 126.6 190.0
 98 64.2 52.5 78.7





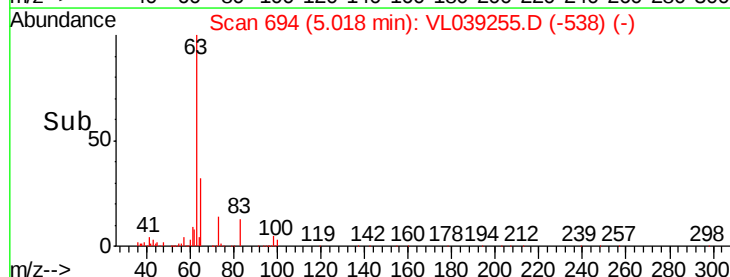
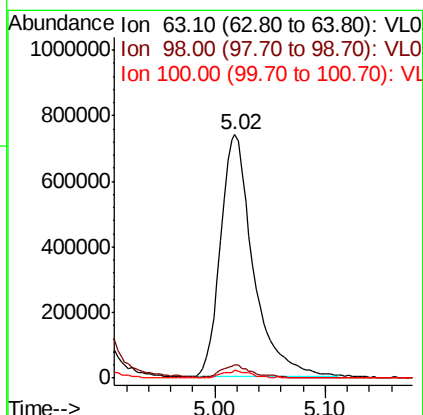
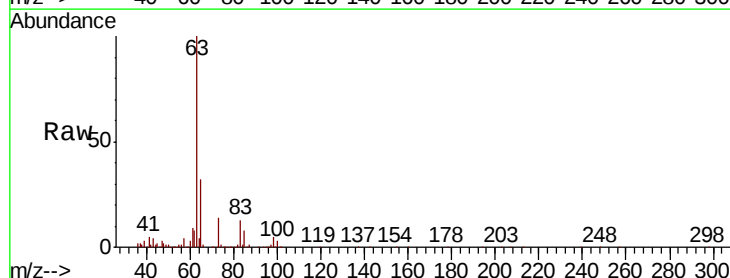
#23
 Vinyl Acetate
 Concen: 10.980 ppbv
 RT: 5.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VL0613ABS01
 Acq: 13 Jun 2022 14:30

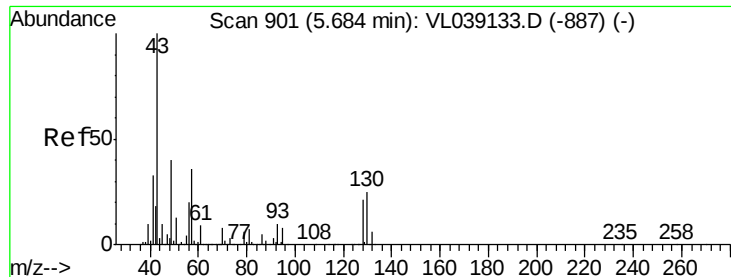
Tot Ion:	43	Resp:	1244106
Ion	Ratio	Lower	Upper
43	100		
86	7.1	6.0	9.0
42	9.6	8.2	12.4
44	6.0	4.3	6.5



#24
 1,1-Dichloroethane
 Concen: 9.784 ppbv
 RT: 5.02 min Scan# 694
 Delta R.T.: 0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

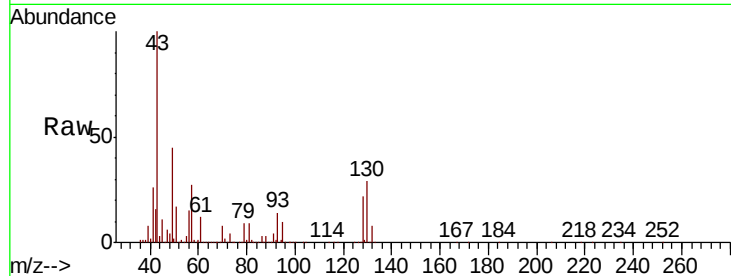
Tgt Ion:	63	Resp:	1518907
Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.1	6.2
100	3.4	1.5	4.5



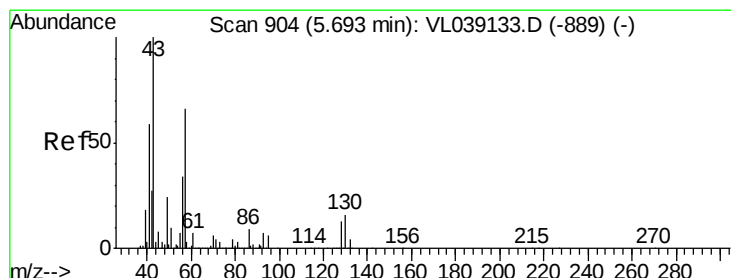
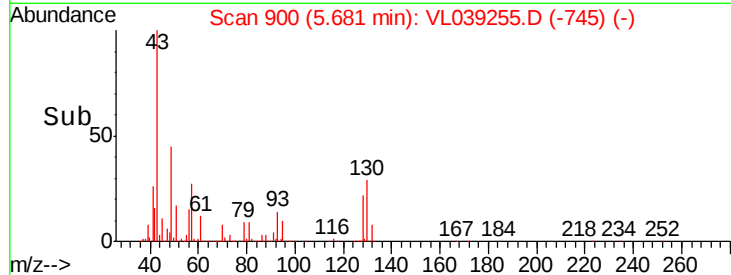
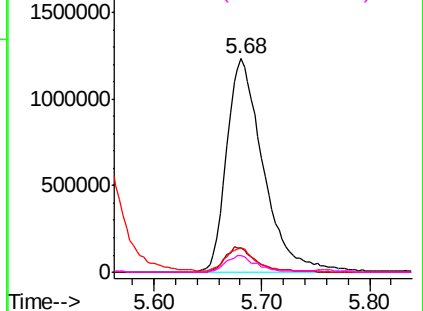


#25
Ethyl Acetate
Concen: 9.399 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0613ABS01
Acq: 13 Jun 2022 14:30

Tot Ion:	43	Resp:	2900856
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	10.0	8.4	12.6
70	6.7	5.6	8.4

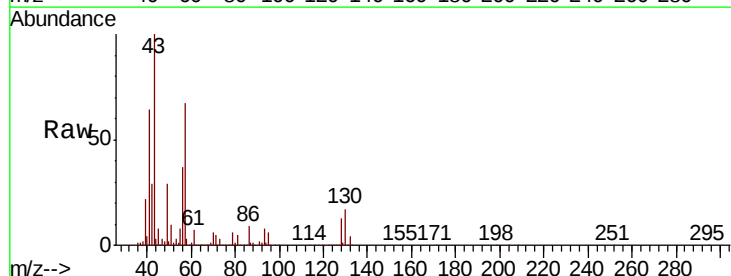


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

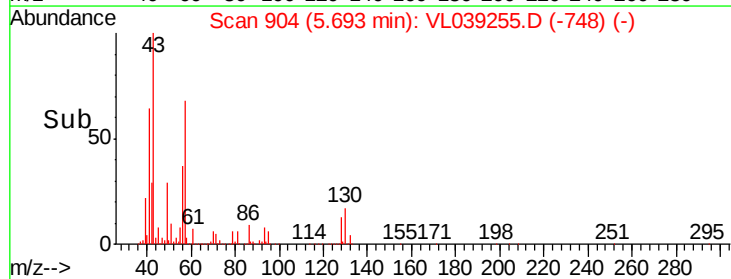
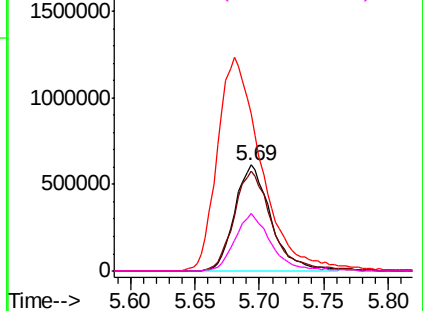


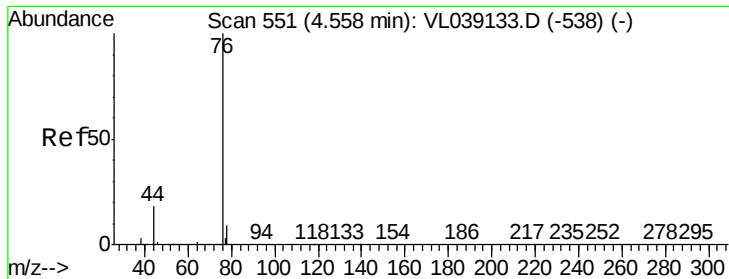
#26
Hexane
Concen: 8.851 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

Tgt Ion:	57	Resp:	1200483
Ion	Ratio	Lower	Upper
57	100		
41	99.7	72.4	108.6
43	245.1	187.0	280.6
56	54.4	41.8	62.6



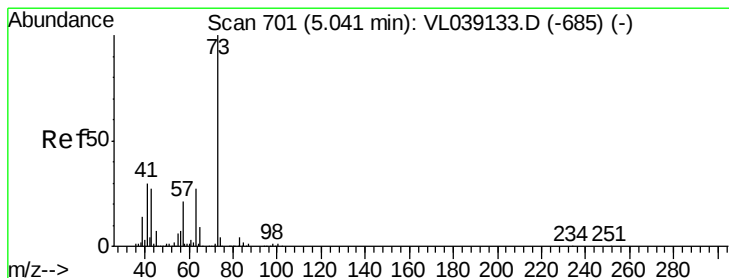
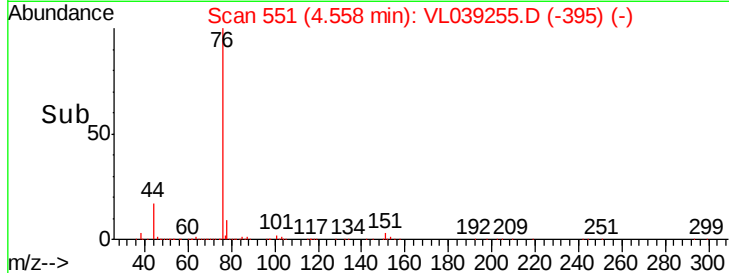
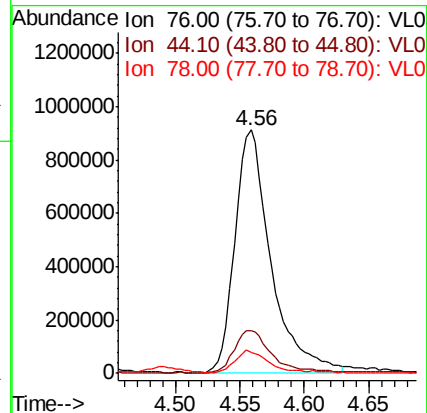
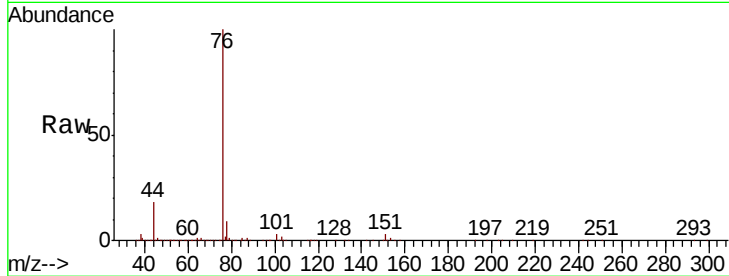
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





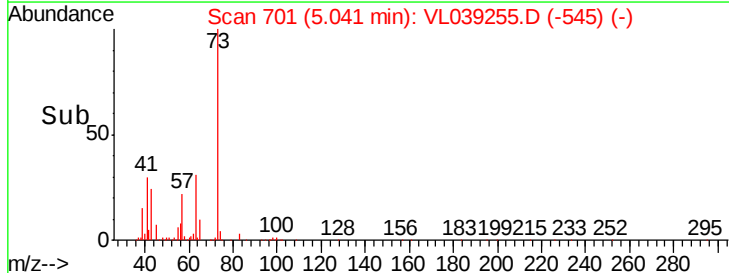
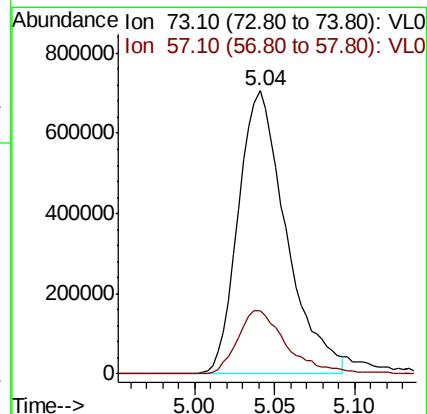
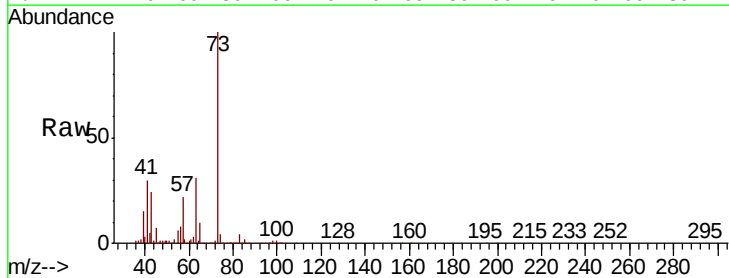
#27
Carbon Disulfide
Concen: 12.617 ppbv
RT: 4.56
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0613ABS01
Acq: 13 Jun 2022 14:30

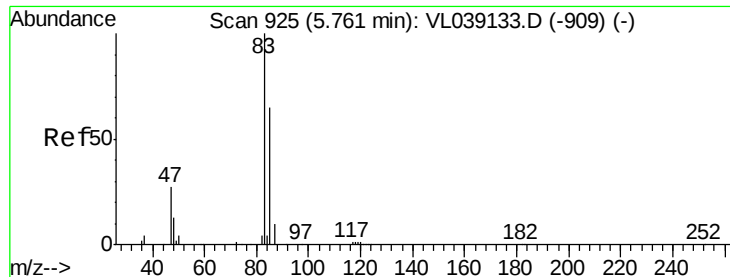
Tot Ion: 76 Resp: 1773709
Ion Ratio Lower Upper
76 100
44 18.7 14.4 21.6
78 9.7 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 9.649 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

Tgt Ion: 73 Resp: 1444763
Ion Ratio Lower Upper
73 100
57 23.6 18.6 27.8





#29

Chloroform

Concen: 9.832 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

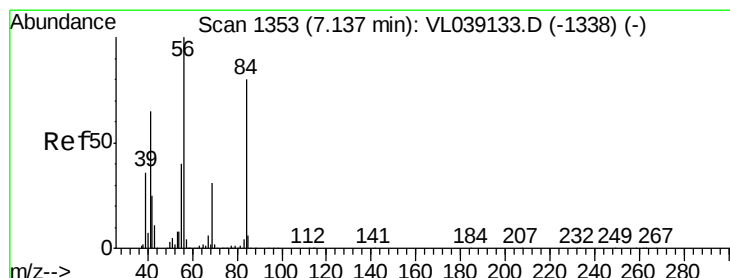
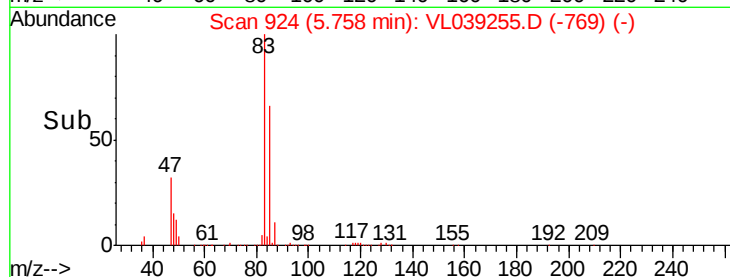
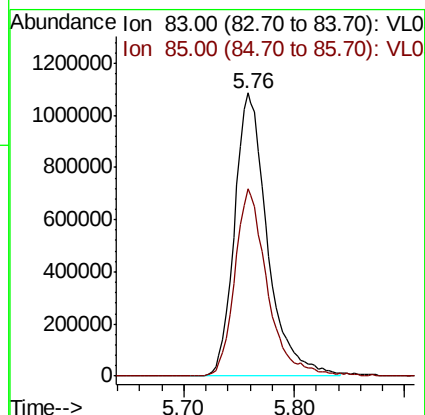
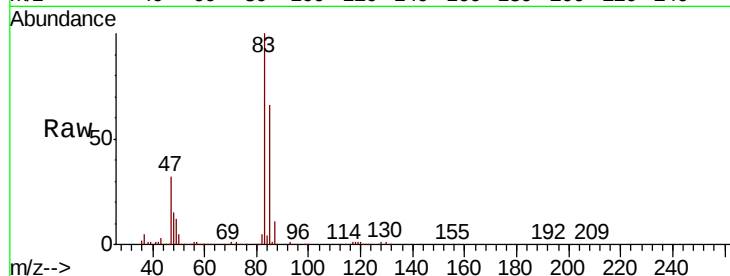
Acq: 13 Jun 2022 14:30 VL0613ABS01

Tot Ion: 83 Resp: 2244003

Ion Ratio Lower Upper

83 100

85 66.2 52.4 78.6



#30

Cyclohexane

Concen: 8.410 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.00 min

Lab File: VL039255.D

Acq: 13 Jun 2022 14:30

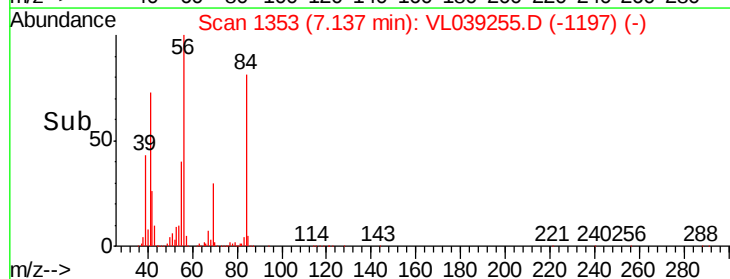
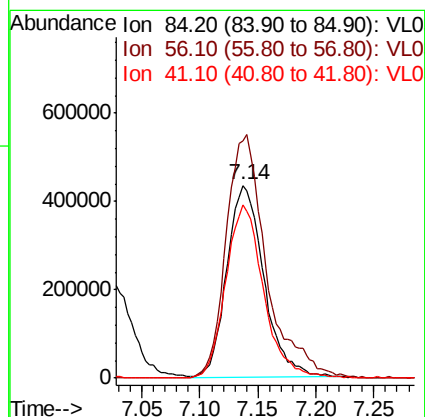
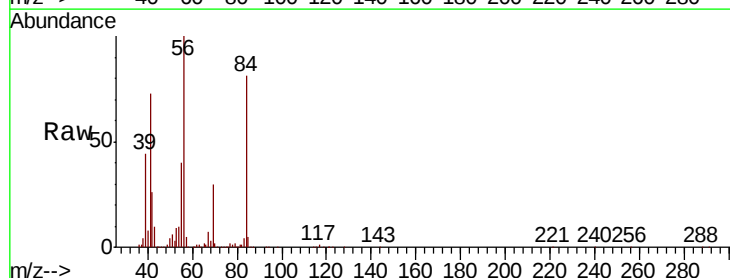
Tgt Ion: 84 Resp: 958273

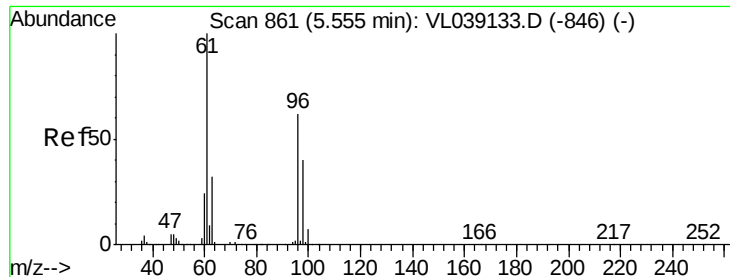
Ion Ratio Lower Upper

84 100

56 139.3 110.6 165.8

41 92.5 68.9 103.3

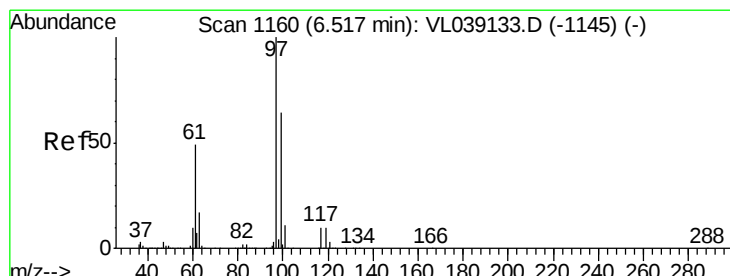
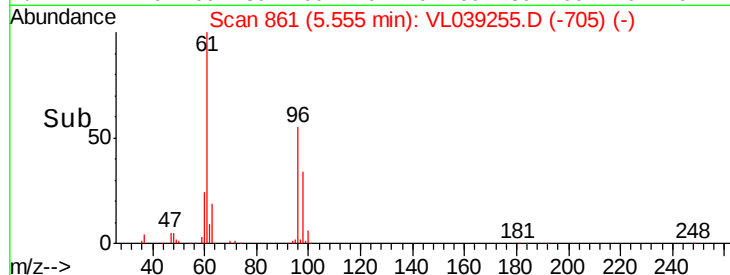
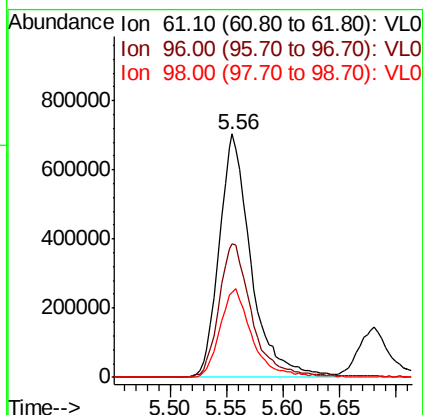
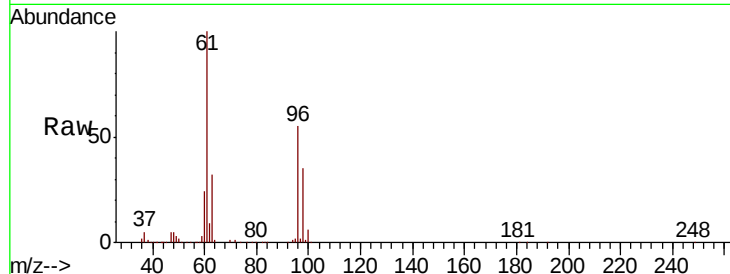




#31
 cis-1,2-Dichloroethene
 Concen: 9.883 ppbv
 RT: 5.56
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0613ABS01
 Acq: 13 Jun 2022 14:30

Tot Ion: 61 Resp: 1366878

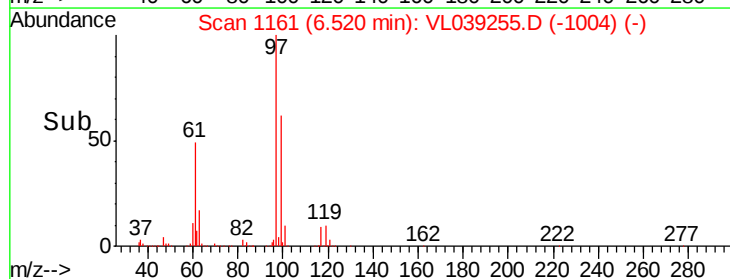
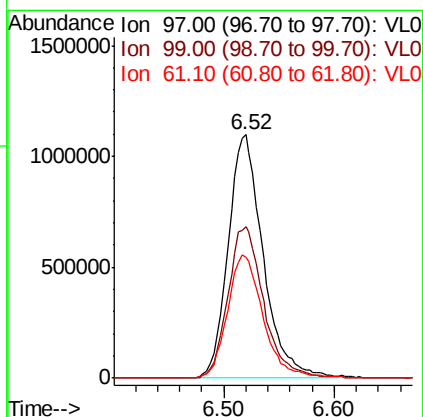
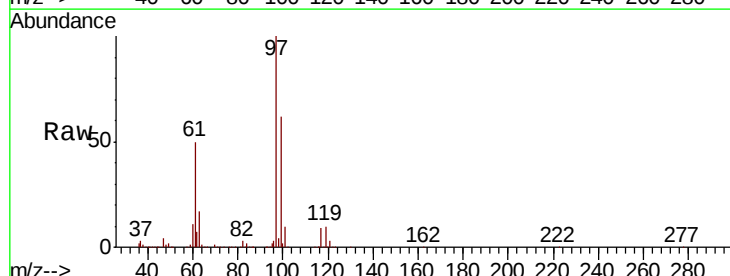
Ion	Ratio	Lower	Upper
61	100		
96	54.9	49.9	74.9
98	34.8	32.0	48.0

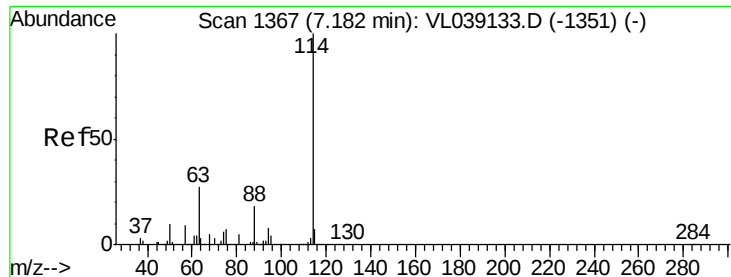


#32
 1,1,1-Trichloroethane
 Concen: 10.822 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

Tgt Ion: 97 Resp: 2416905

Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.1	78.1
61	51.8	40.0	60.0

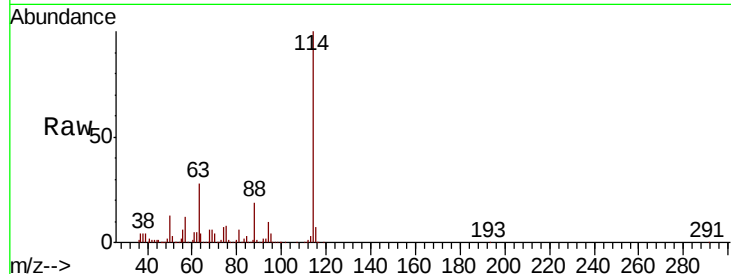




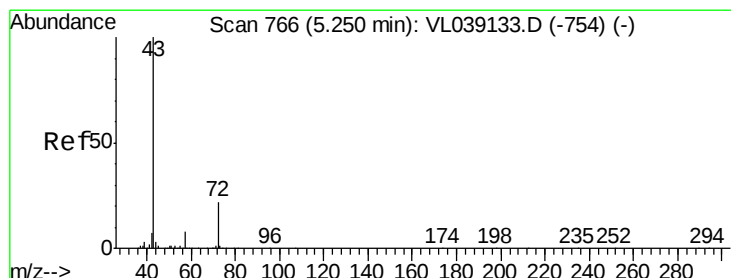
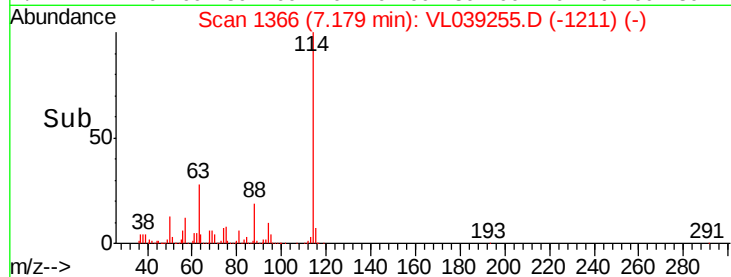
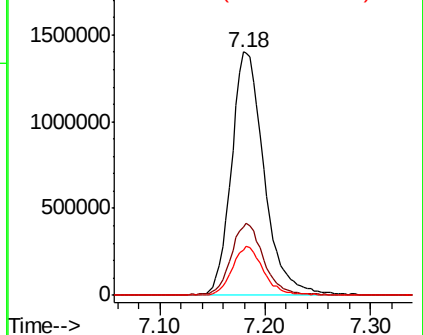
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0613ABS01
 Acq: 13 Jun 2022 14:30

Tot Ion:114 Resp: 3017009

Ion	Ratio	Lower	Upper
114	100		
63	29.9	21.7	32.5
88	19.5	14.8	22.2



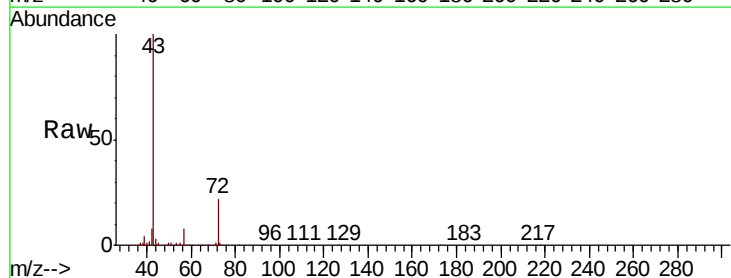
Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



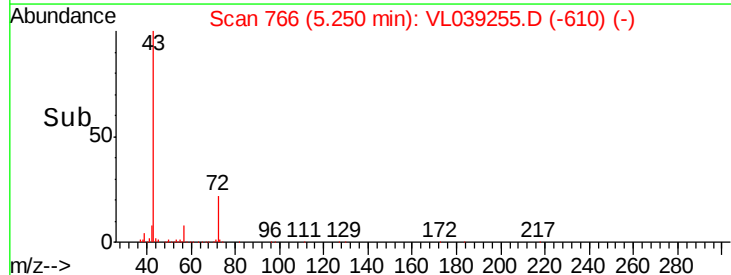
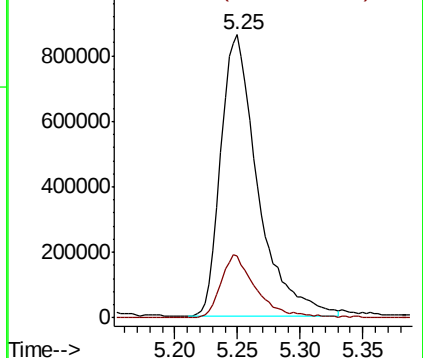
#34
 2-Butanone
 Concen: 10.742 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

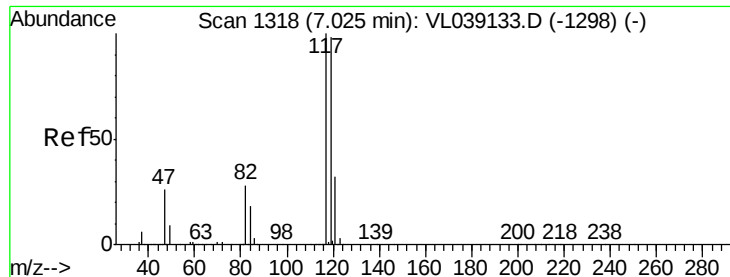
Tgt Ion: 43 Resp: 1760636

Ion	Ratio	Lower	Upper
43	100		
72	22.0	18.2	27.2



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





#35

Carbon Tetrachloride

Concen: 11.631 ppbv

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 14:30 VL0613ABS01

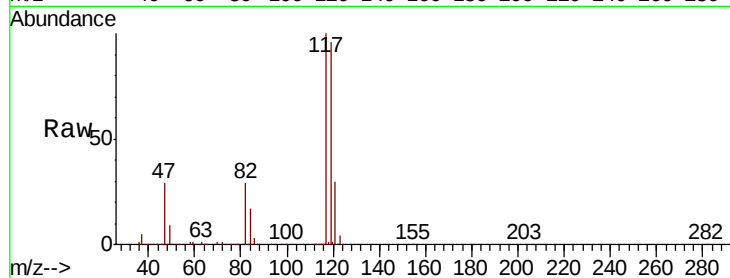
Tot Ion: 117 Resp: 2561293

Ion Ratio Lower Upper

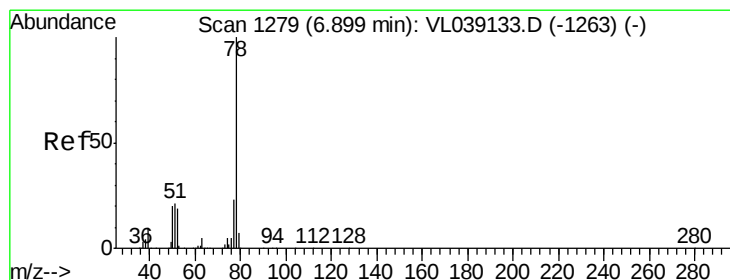
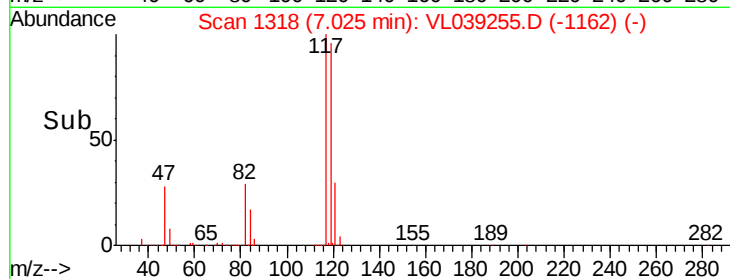
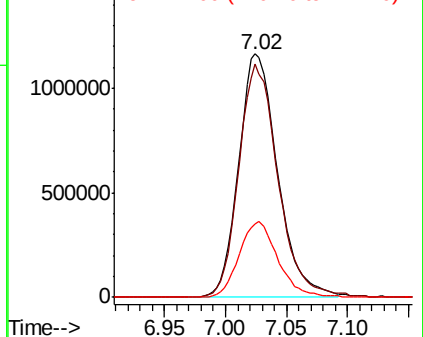
117 100

119 95.9 78.6 118.0

121 30.2 25.4 38.0



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: 9.433 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL039255.D

Acq: 13 Jun 2022 14:30

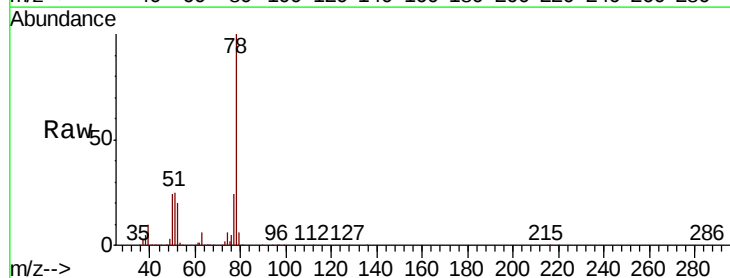
Tgt Ion: 78 Resp: 2310517

Ion Ratio Lower Upper

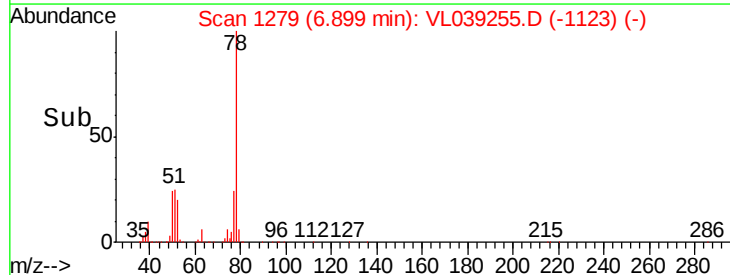
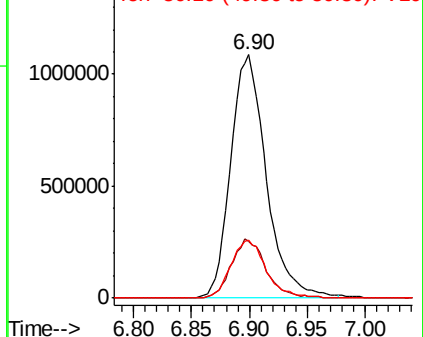
78 100

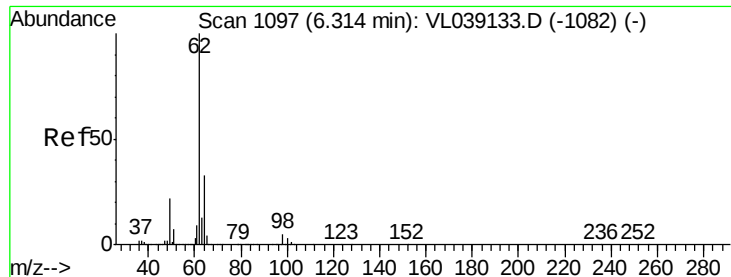
77 23.5 18.6 27.8

50 23.6 15.8 23.8



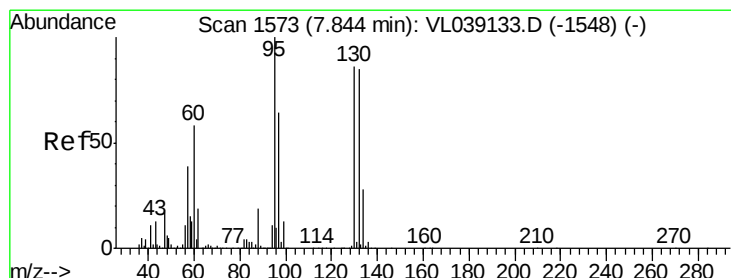
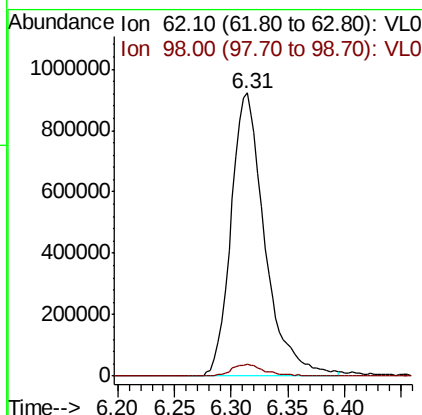
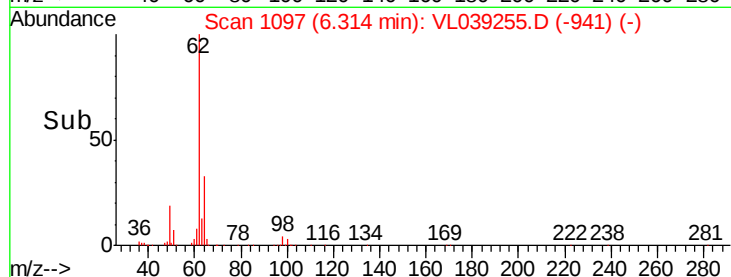
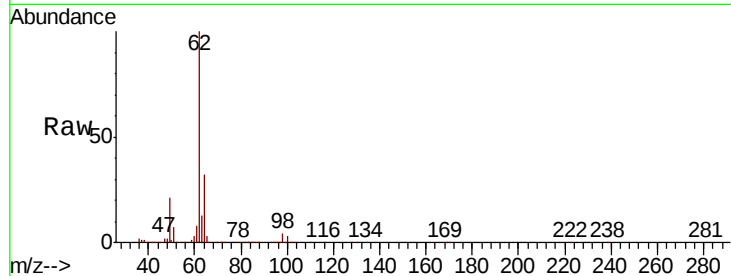
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





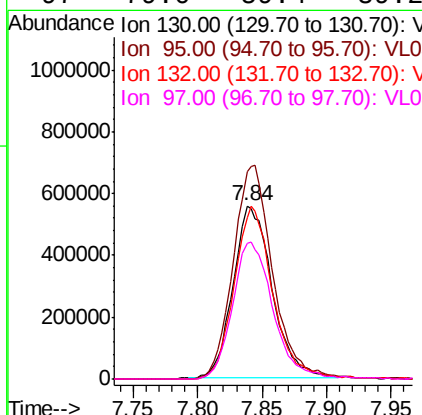
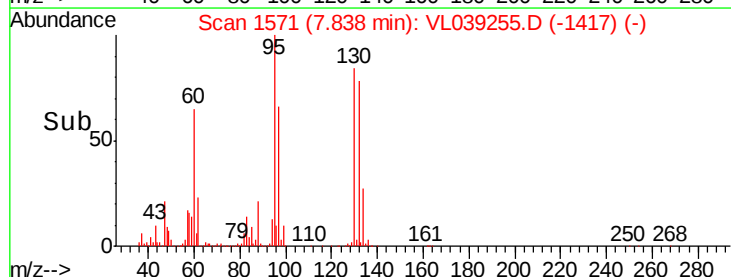
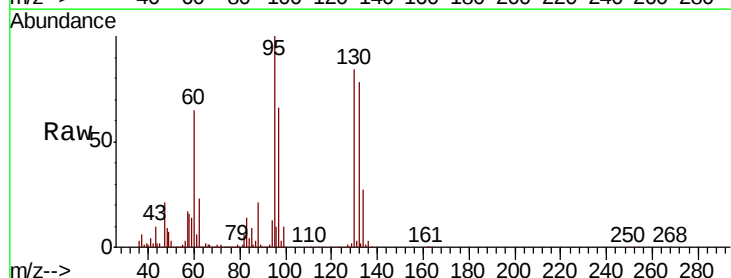
#37
 1,2-Dichloroethane
 Concen: 11.909 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0613ABS01
 Acq: 13 Jun 2022 14:30

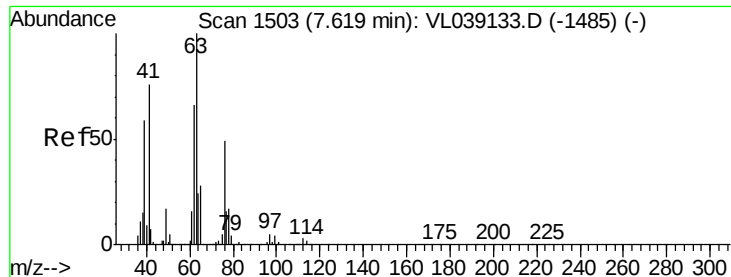
Tot Ion: 62 Resp: 1919665
 Ion Ratio Lower Upper
 62 100
 98 4.1 4.3 6.5#



#38
 Trichloroethene
 Concen: 10.431 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

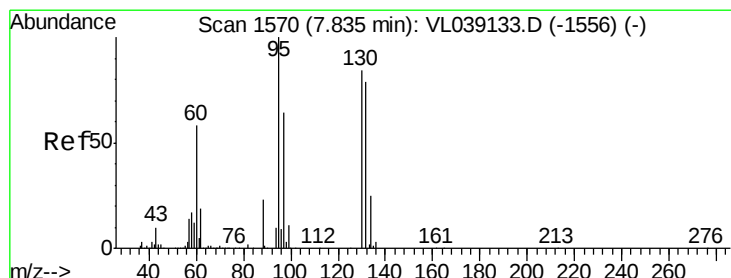
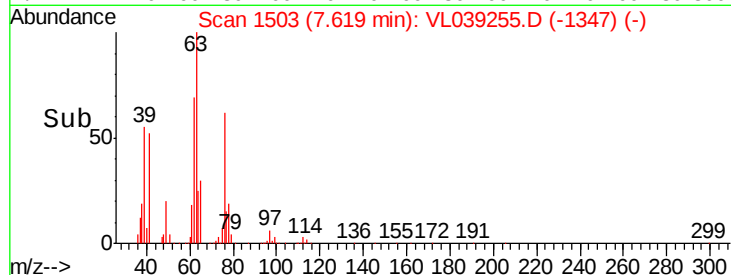
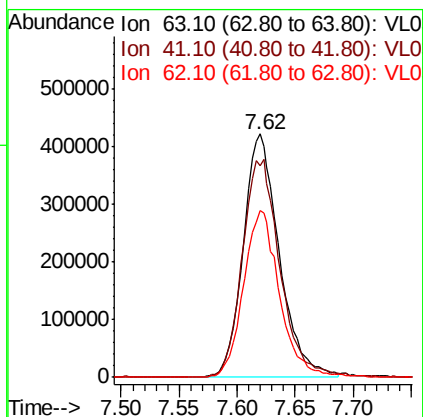
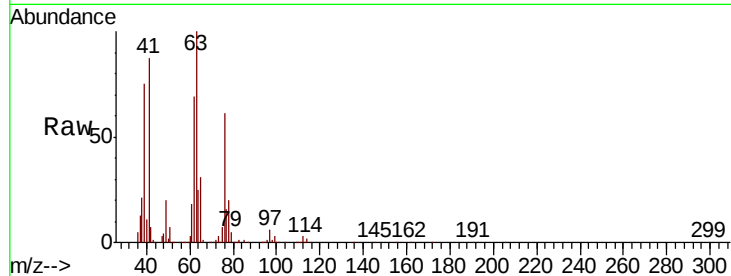
Tgt Ion: 130 Resp: 1173559
 Ion Ratio Lower Upper
 130 100
 95 119.9 93.3 139.9
 132 93.5 79.0 118.4
 97 79.0 59.4 89.2





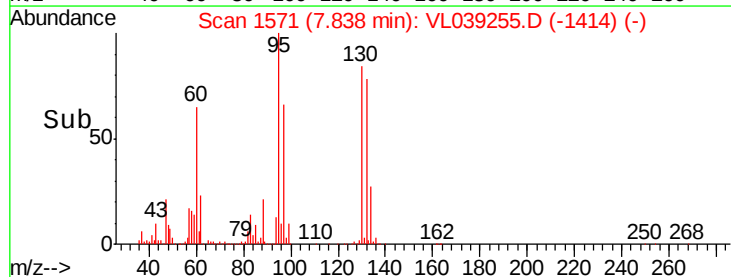
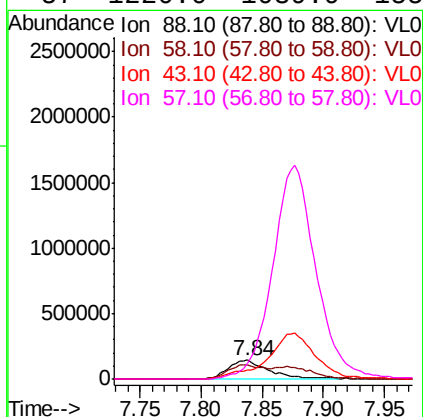
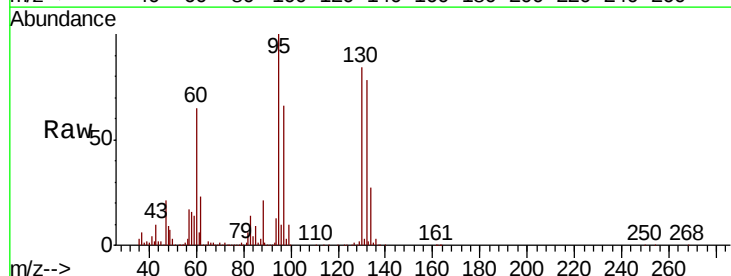
#39
 1,2-Dichloropropane
 Concen: 9.368 ppbv
 RT: 7.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0613ABS01
 Acq: 13 Jun 2022 14:30

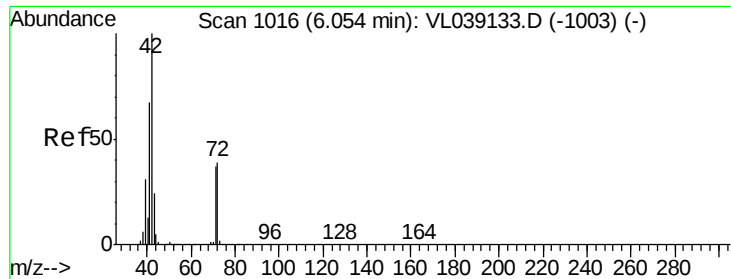
Tot Ion	Ratio	Lower	Upper
63	100		
41	86.6	60.8	91.2
62	68.6	52.9	79.3



#40
 1,4-Dioxane
 Concen: 10.413 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

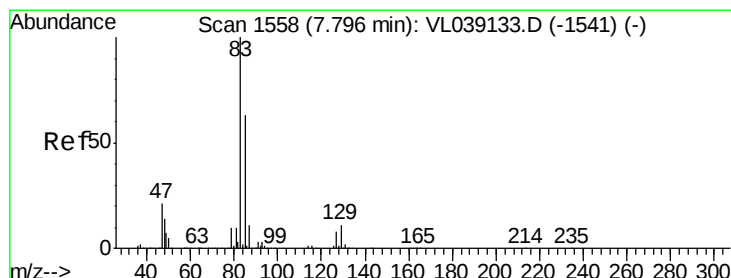
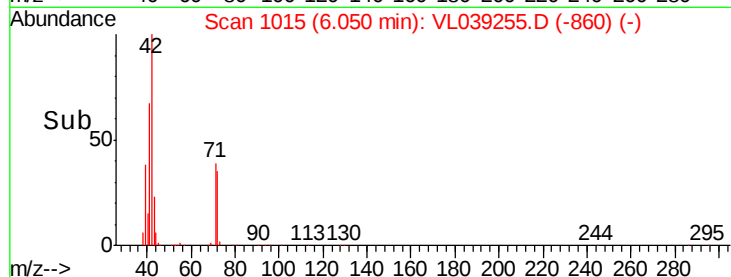
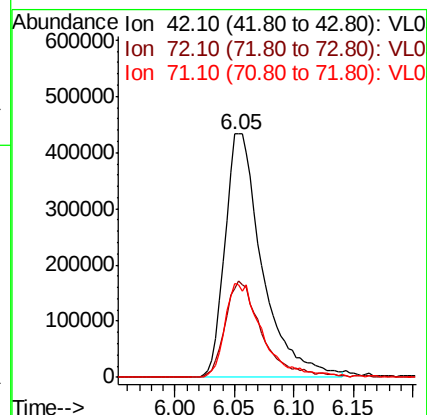
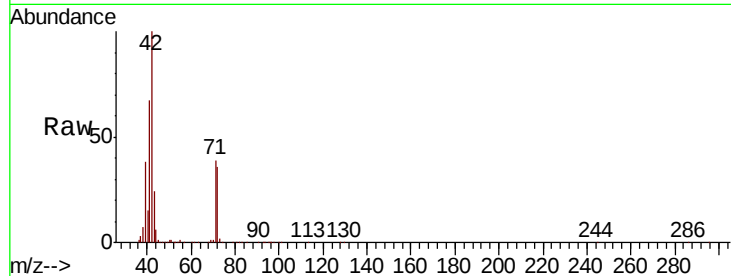
Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.0	111.2	166.8
43	290.7	234.2	351.4
57	1220.0	1039.9	1559.9





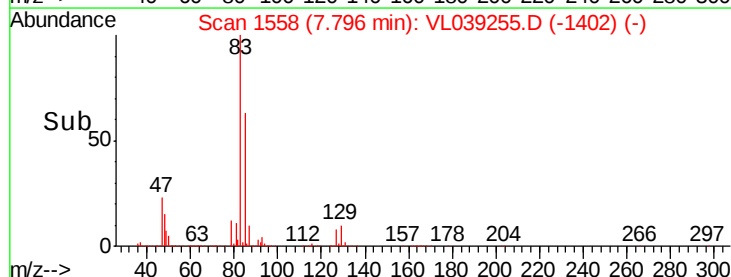
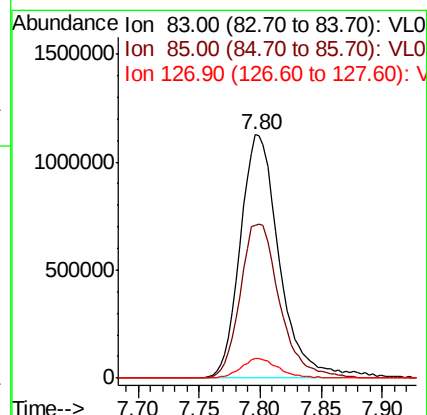
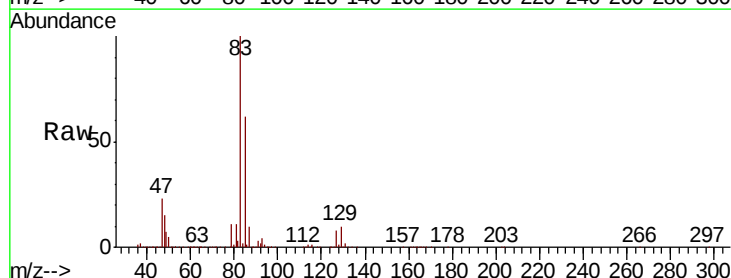
#41
Tetrahydrofuran
Concen: 9.527 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0613ABS01
Acq: 13 Jun 2022 14:30

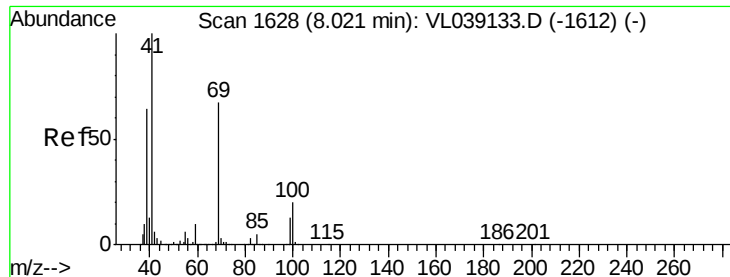
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.0	48.0
71	39.4	31.1	46.7



#42
Bromodichloromethane
Concen: 11.069 ppbv
RT: 7.80 min Scan# 1558
Delta R.T.: 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

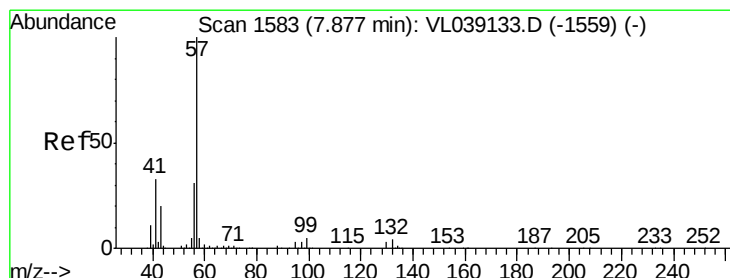
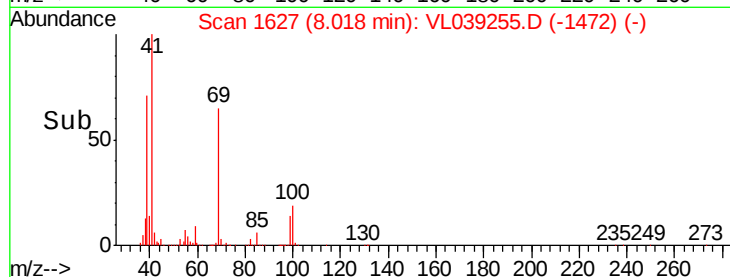
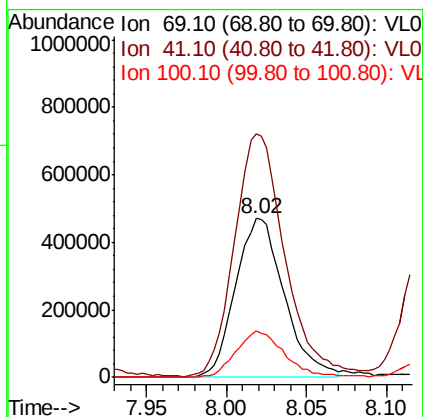
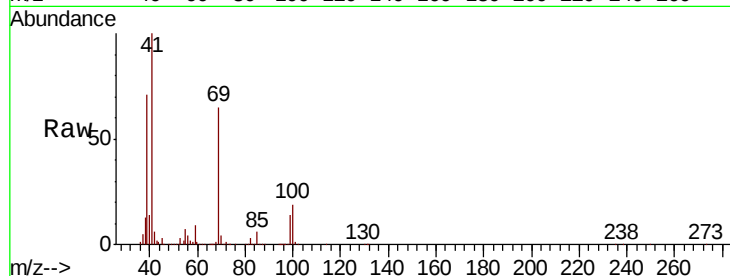
Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.2	75.4
127	7.8	6.6	9.8





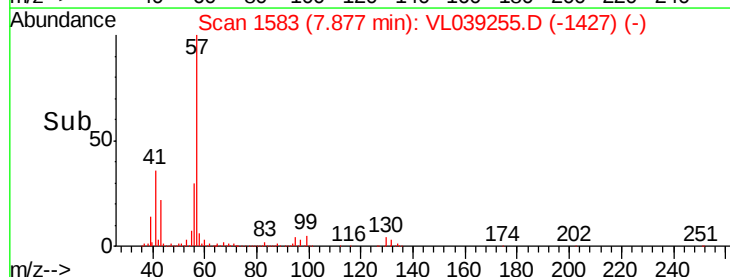
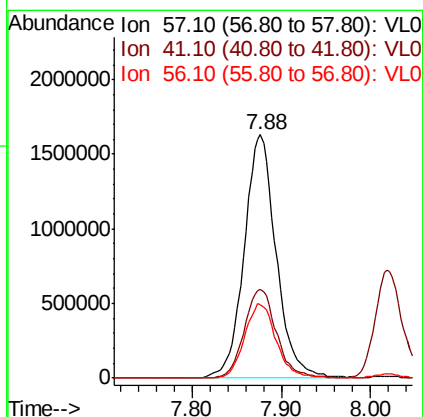
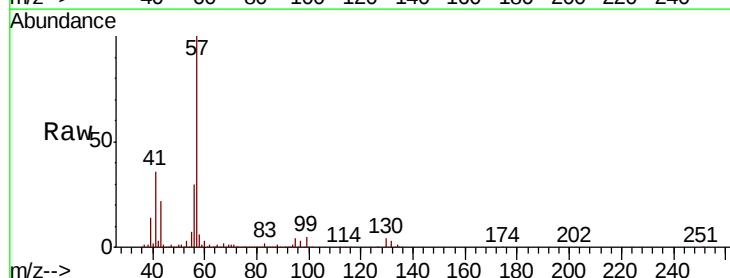
#43
Methvl Methacrilate
Concen: 10.282 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0613ABS01
Acq: 13 Jun 2022 14:30

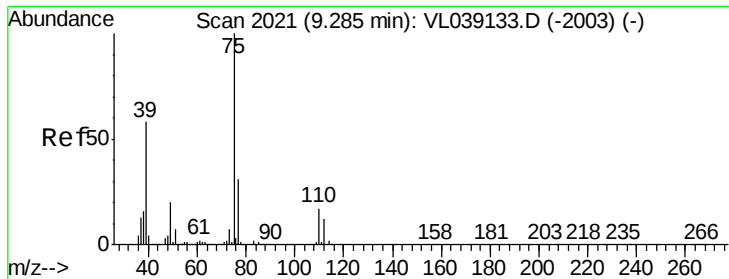
Tot Ion: 69 Resp: 980975
Ion Ratio Lower Upper
69 100
41 159.0 121.9 182.9
100 28.9 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 9.481 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

Tgt Ion: 57 Resp: 4062408
Ion Ratio Lower Upper
57 100
41 36.8 26.2 39.4
56 30.5 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 11.394 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0613ABS01

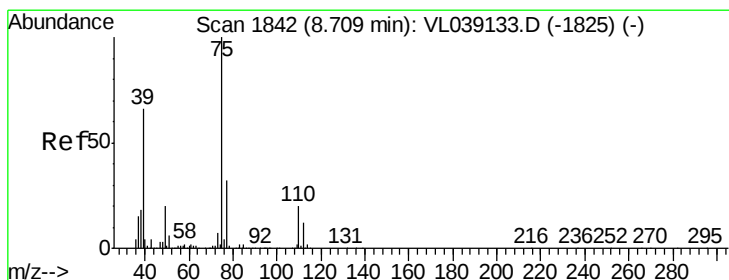
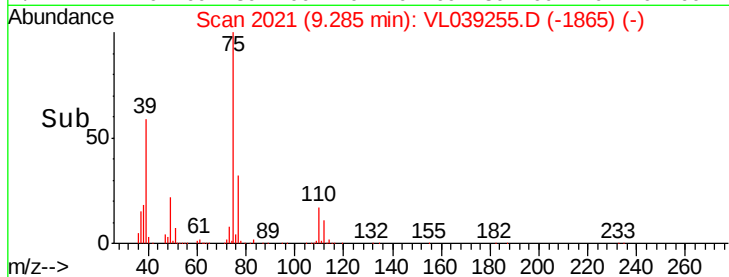
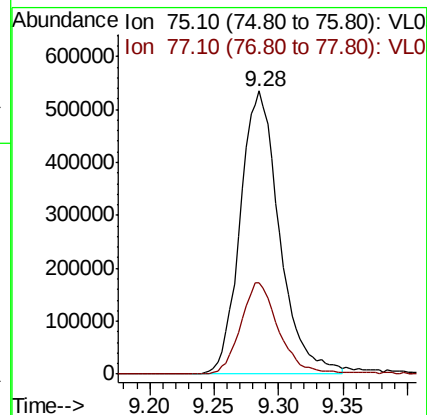
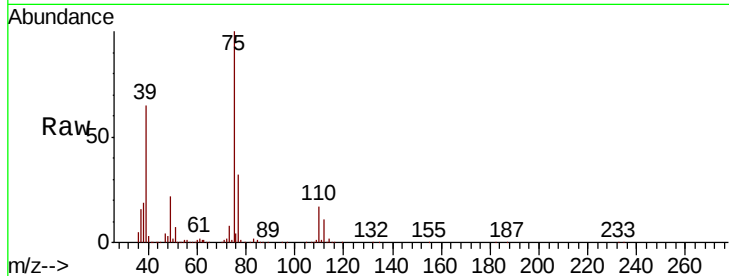
Acq: 13 Jun 2022 14:30

Tot Ion: 75 Resp: 1132147

Ion Ratio Lower Upper

75 100

77 32.3 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 10.439 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VL039255.D

Acq: 13 Jun 2022 14:30

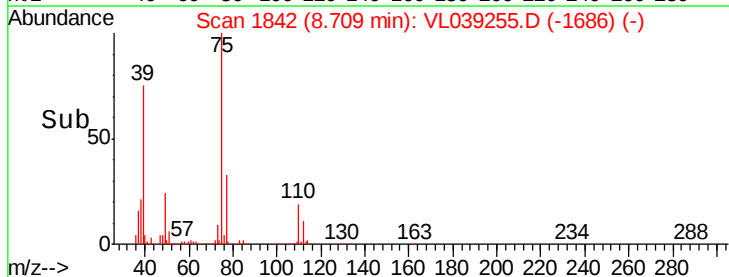
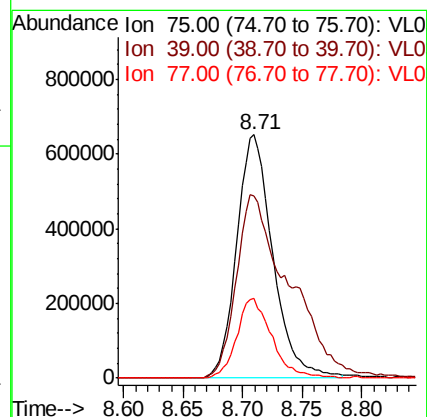
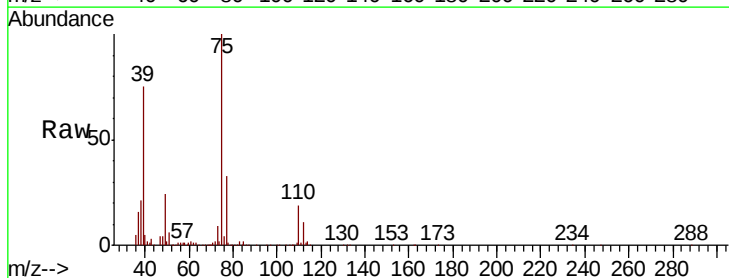
Tgt Ion: 75 Resp: 1370279

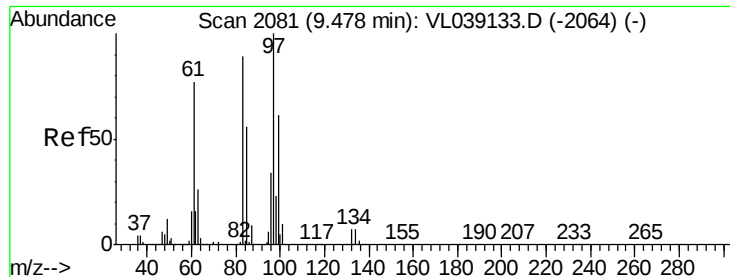
Ion Ratio Lower Upper

75 100

39 74.8 52.4 78.6

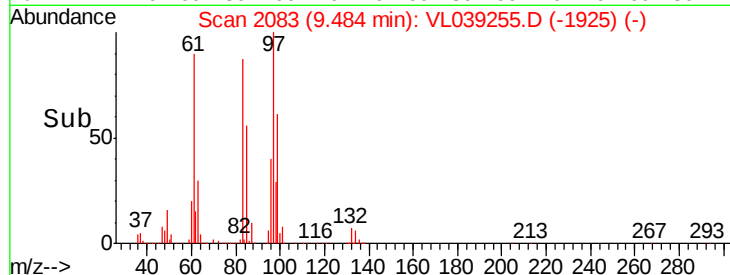
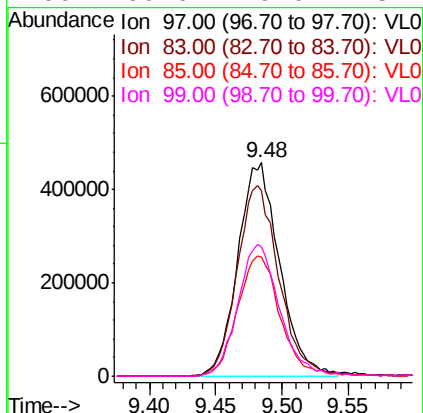
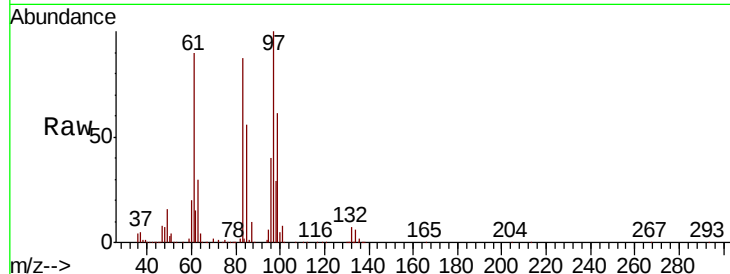
77 32.5 25.5 38.3





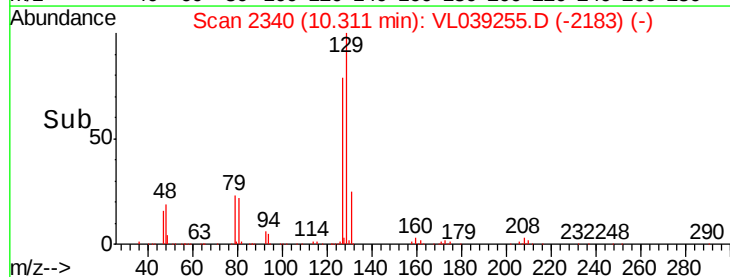
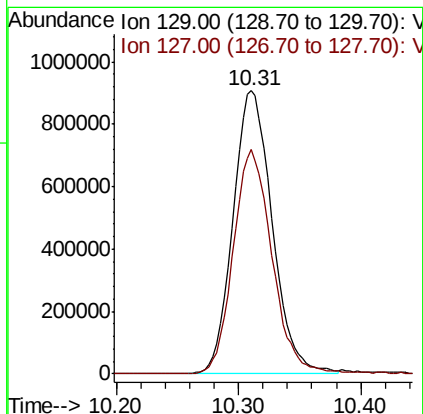
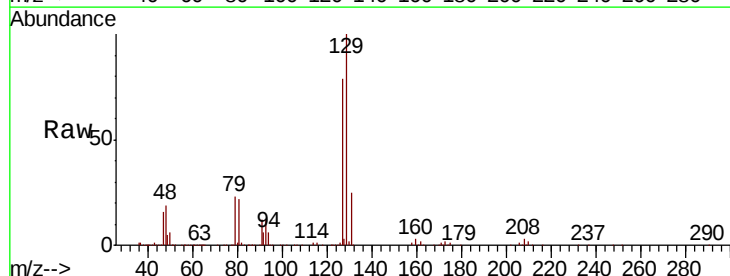
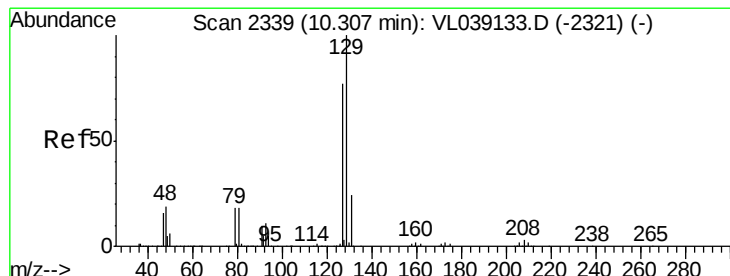
#47
 1,1,2-Trichloroethane
 Concen: 9.828 ppbv
 RT: 9.48
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0613ABS01
 Acq: 13 Jun 2022 14:30

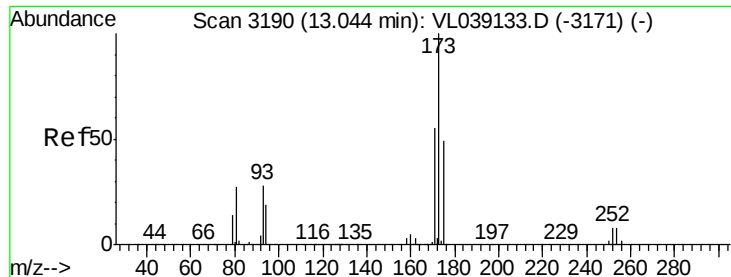
Tot Ion:	97	Resp:	998964
Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.6	107.4
85	55.8	44.8	67.2
99	60.6	49.0	73.4



#48
 Dibromochloromethane
 Concen: 11.135 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

Tgt Ion:	129	Resp:	2020903
Ion	Ratio	Lower	Upper
129	100		
127	78.3	40.0	119.9





#49

Bromoform

Concen: 10.726 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Jun 2022 14:30

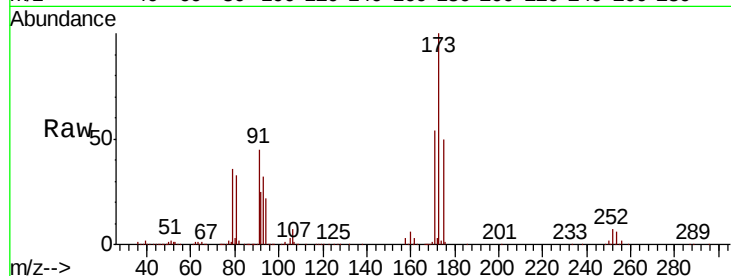
Tot Ion:173 Resp: 1622273

Ion Ratio Lower Upper

173 100

175 50.7 40.2 60.2

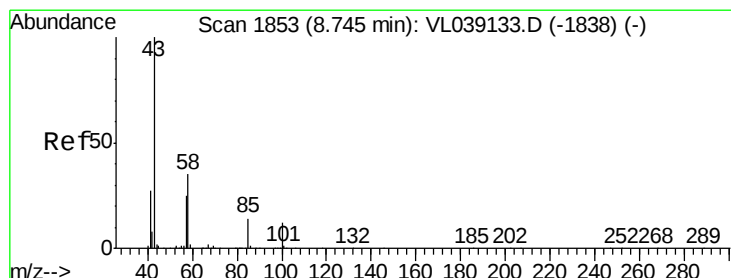
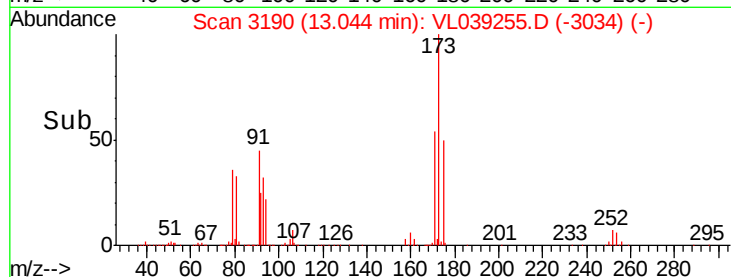
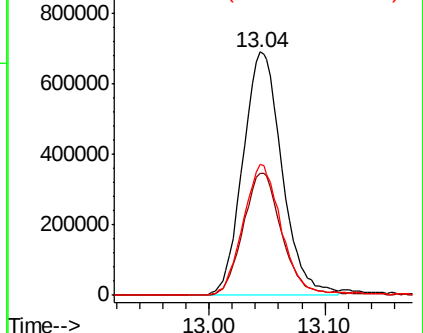
171 53.7 43.9 65.9



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: 10.425 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL039255.D

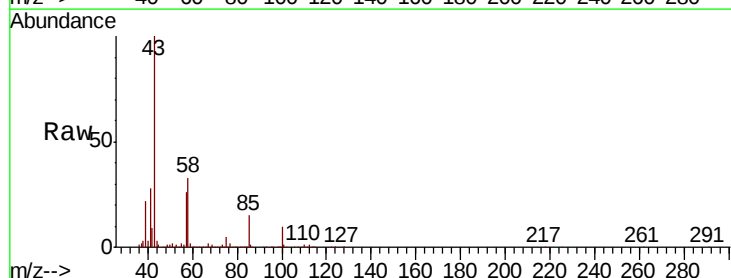
Acq: 13 Jun 2022 14:30

Tgt Ion: 43 Resp: 2557850

Ion Ratio Lower Upper

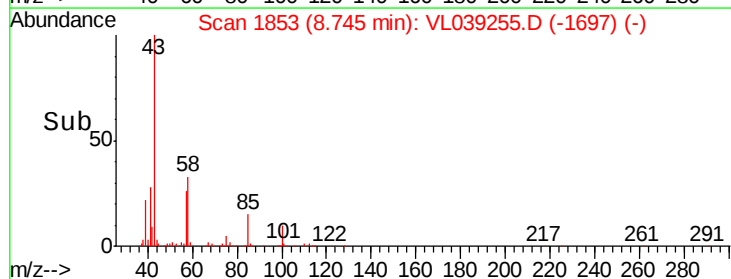
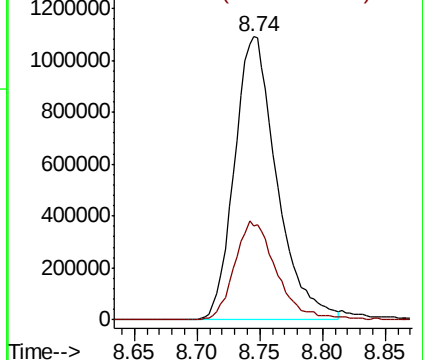
43 100

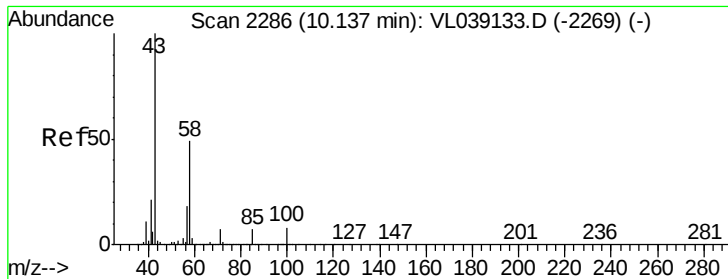
58 35.1 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

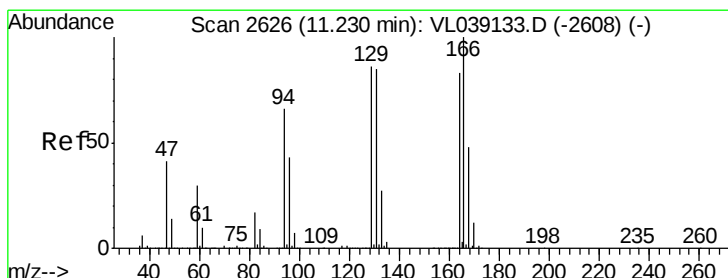
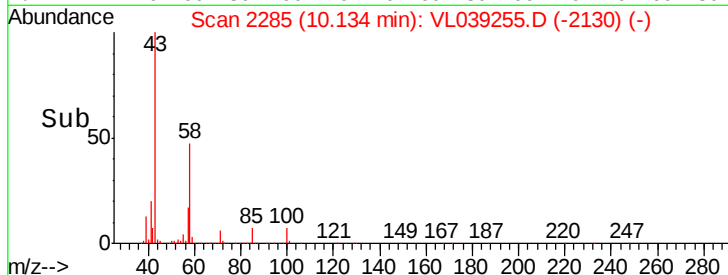
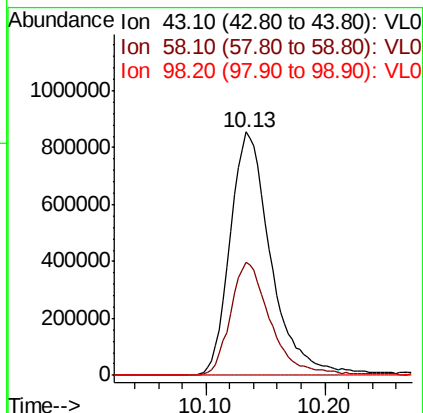
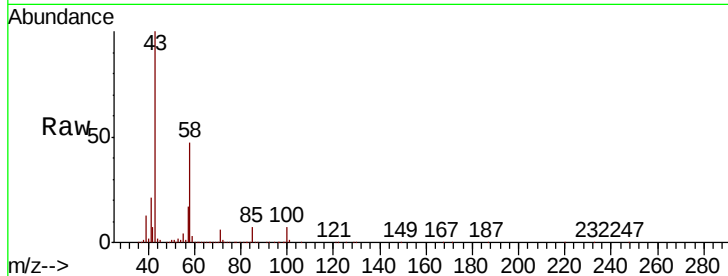
Ion 58.10 (57.80 to 58.80): VL0





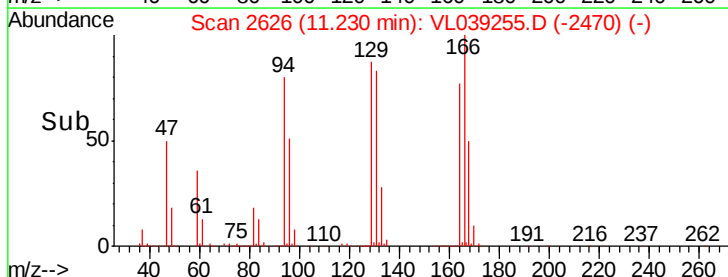
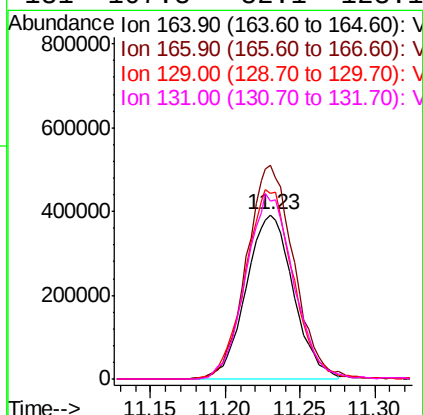
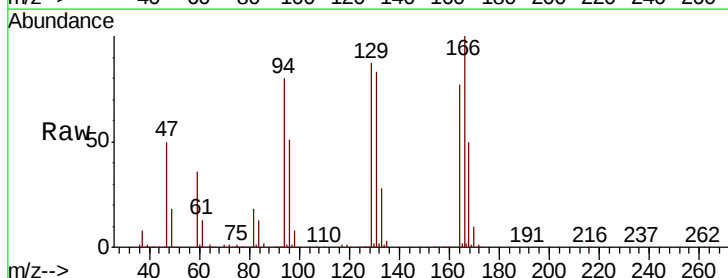
#51
2-Hexanone
Concen: 10.542 ppbv
RT: 10.13 min
Delta R.T.: 0.00 min
Lab File: VL0613ABS01
Acq: 13 Jun 2022 14:30

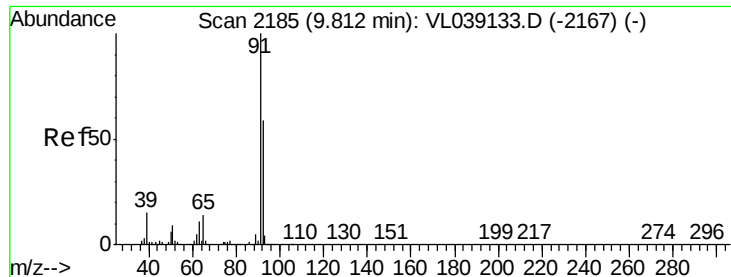
Tot Ion: 43 Resp: 2012505
Ion Ratio Lower Upper
43 100
58 46.6 40.0 60.0
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.978 ppbv
RT: 11.23 min Scan# 2626
Delta R.T.: 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

Tgt Ion: 164 Resp: 858620
Ion Ratio Lower Upper
164 100
166 129.8 96.3 144.5
129 112.9 82.5 123.7
131 107.8 82.1 123.1





#53

Toluene

Concen: 9.689 ppbv

RT: 9.81 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VL0613ABS01

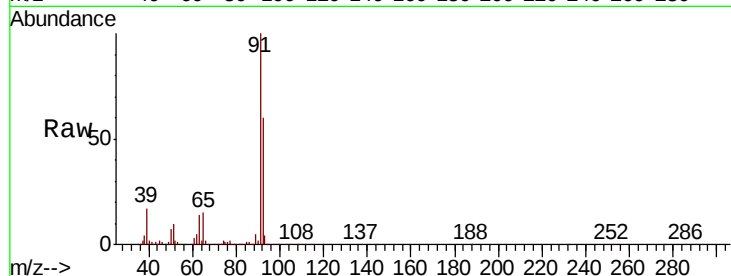
Acq: 13 Jun 2022 14:30

Tot Ion: 91 Resp: 2732701

Ion Ratio Lower Upper

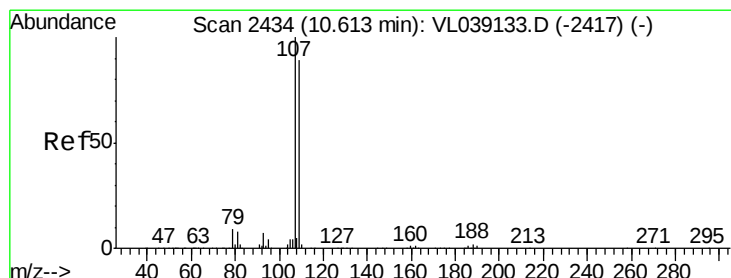
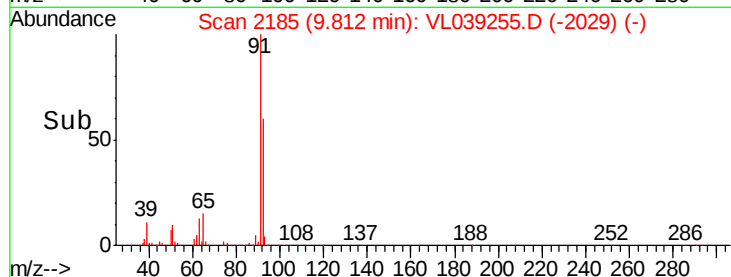
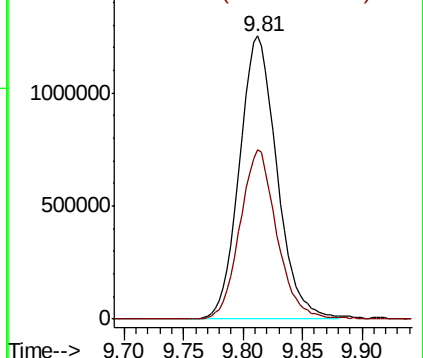
91 100

92 59.1 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.279 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL039255.D

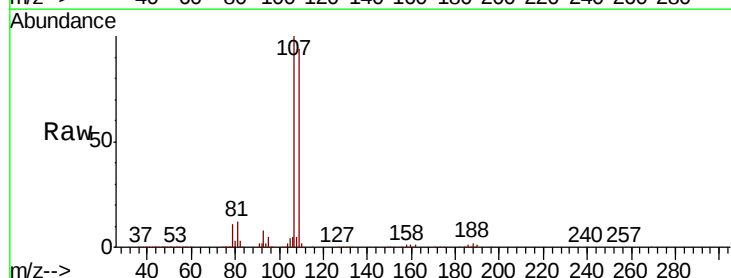
Acq: 13 Jun 2022 14:30

Tgt Ion: 107 Resp: 1403978

Ion Ratio Lower Upper

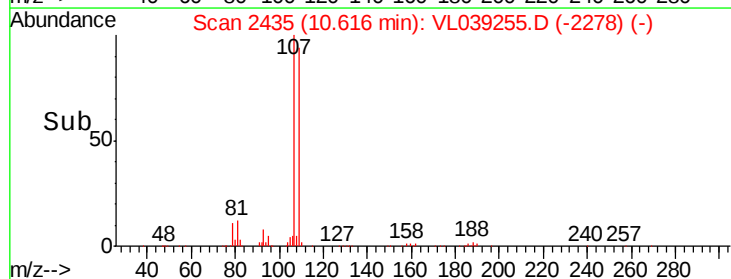
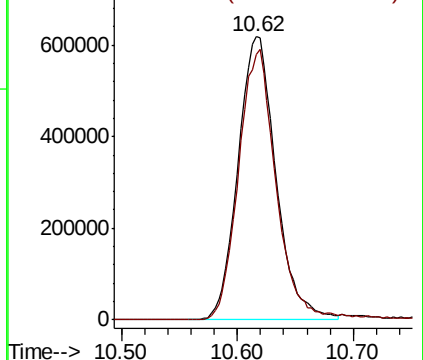
107 100

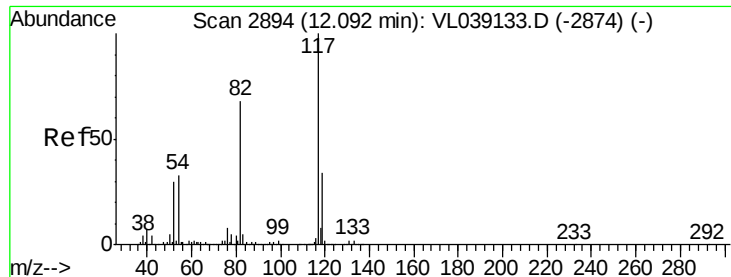
109 93.6 71.4 107.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

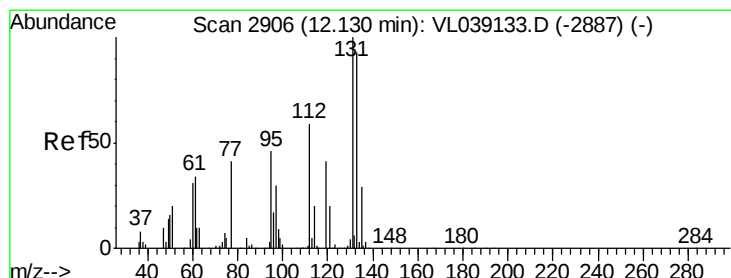
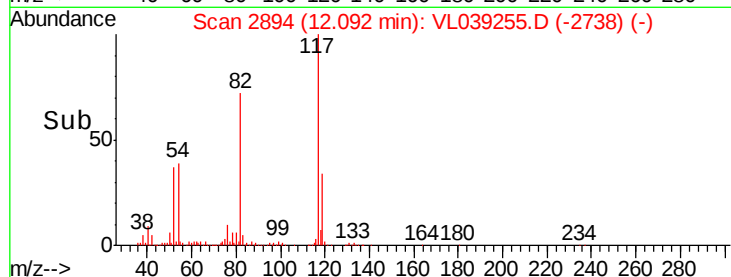
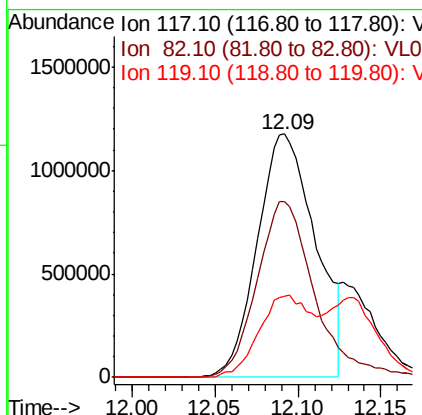
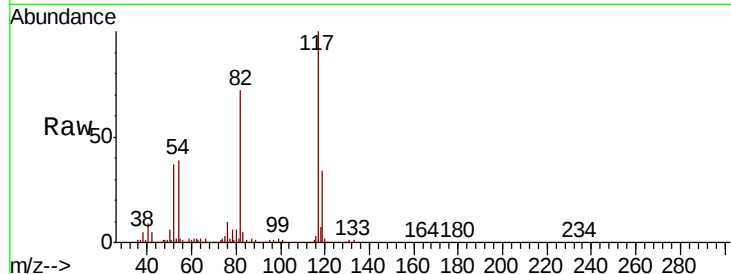




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0613ABS01
Acq: 13 Jun 2022 14:30

Tot Ion:117 Resp: 2869563

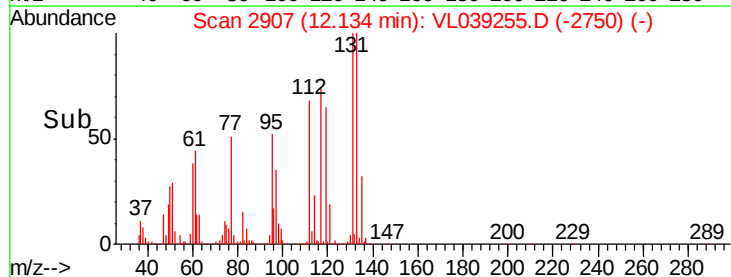
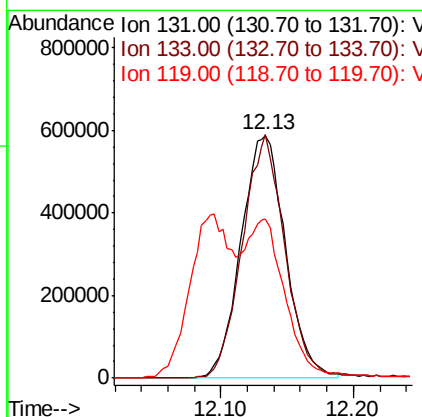
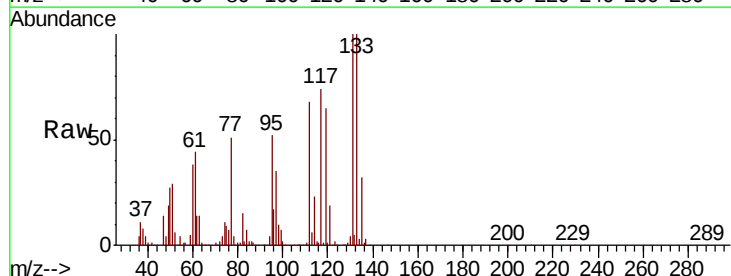
Ion	Ratio	Lower	Upper
117	100		
82	73.1	55.1	82.7
119	27.9	24.7	37.1

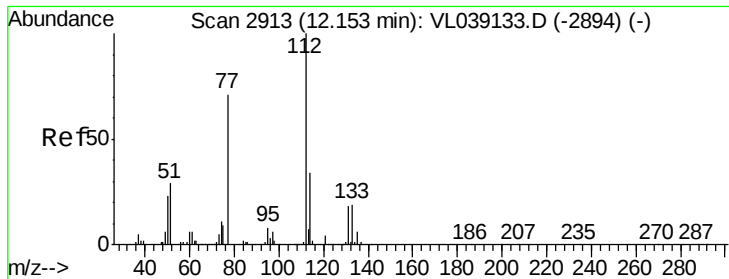


#56
1,1,1,2-Tetrachloroethane
Concen: 10.096 ppbv
RT: 12.13 min Scan# 2907
Delta R.T.: 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

Tgt Ion:131 Resp: 1370856

Ion	Ratio	Lower	Upper
131	100		
133	97.5	78.6	117.8
119	58.0	51.7	77.5





#57

Chlorobenzene

Concen: 9.568 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 14:30

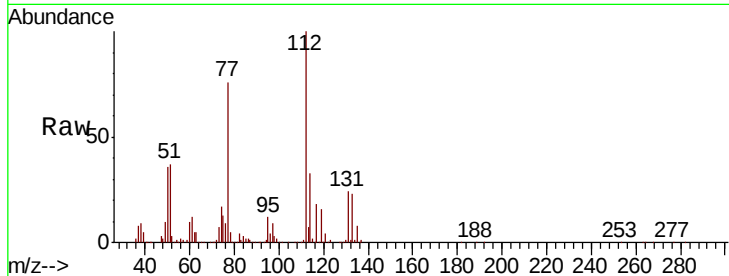
Tot Ion: 112 Resp: 2065773

Ion Ratio Lower Upper

112 100

77 75.1 56.5 84.7

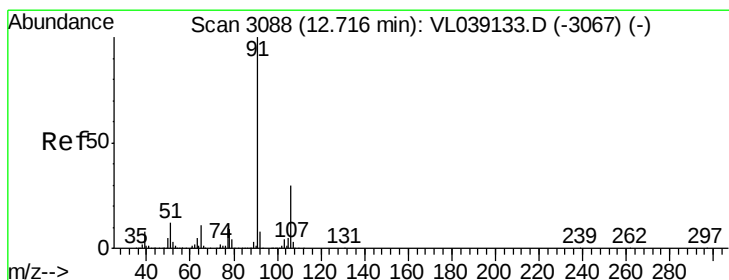
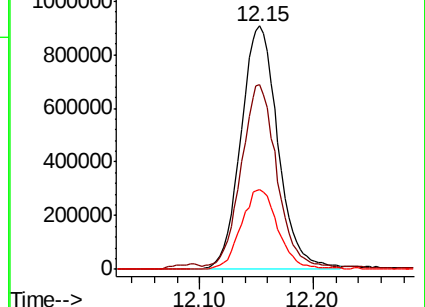
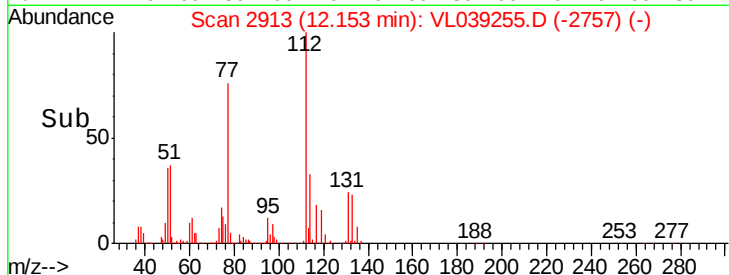
114 32.8 30.3 37.1



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: 9.678 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL039255.D

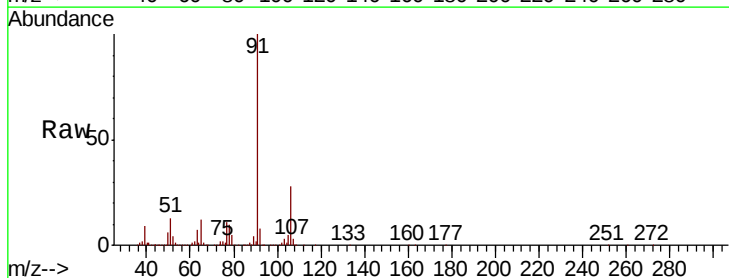
Acq: 13 Jun 2022 14:30

Tgt Ion: 91 Resp: 3825516

Ion Ratio Lower Upper

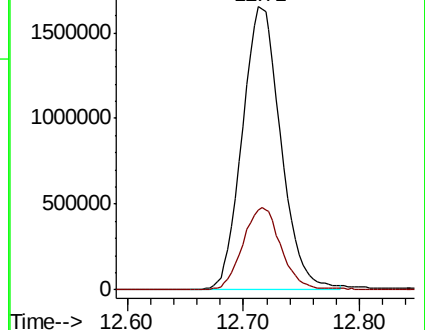
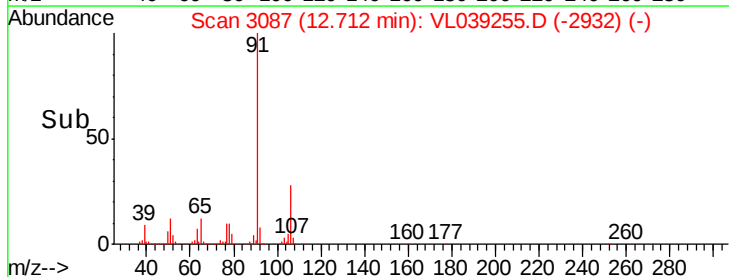
91 100

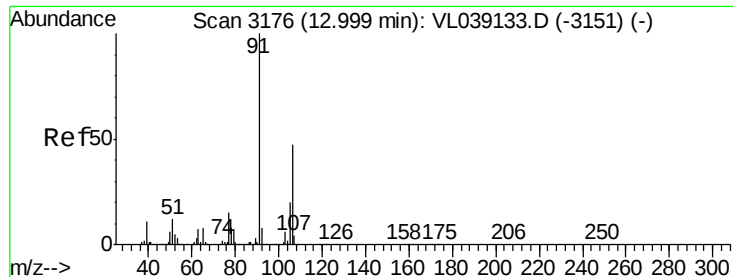
106 28.0 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

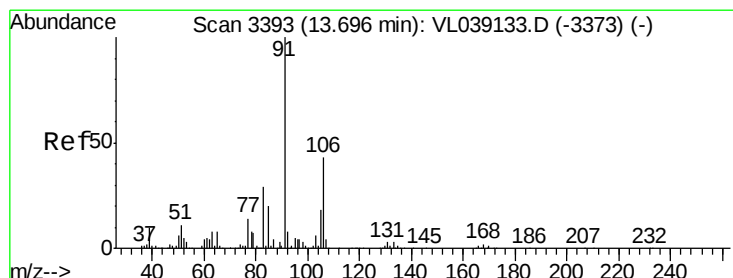
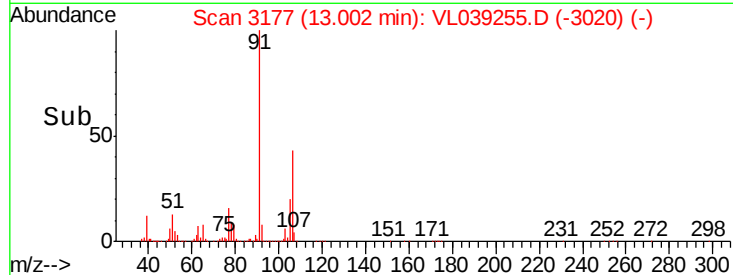
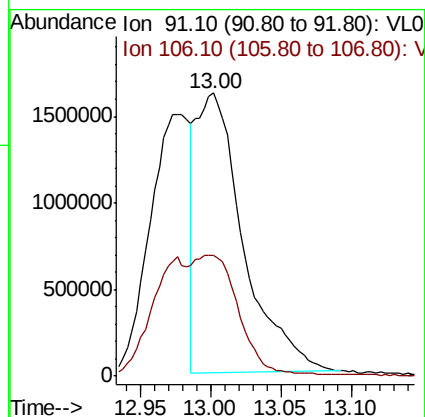
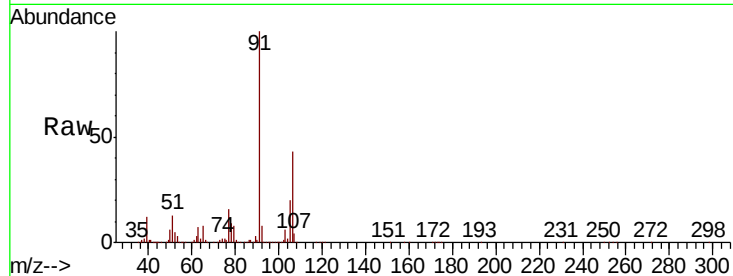
Ion 106.10 (105.80 to 106.80): V





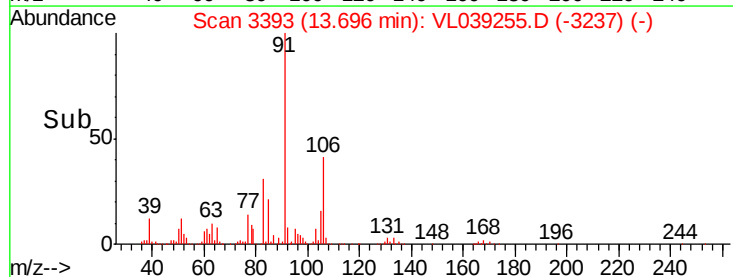
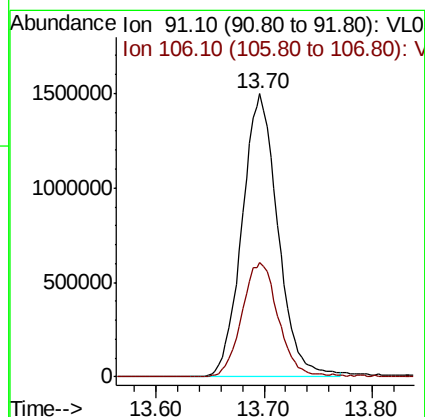
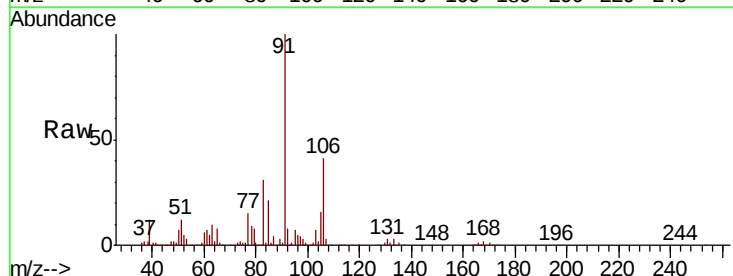
#59
m/p-Xylene
Concen: 10.833 ppbv
RT: 13.00 min
Delta R.T. 0.00 min
Lab File: VL0613ABS01
Acq: 13 Jun 2022 14:30

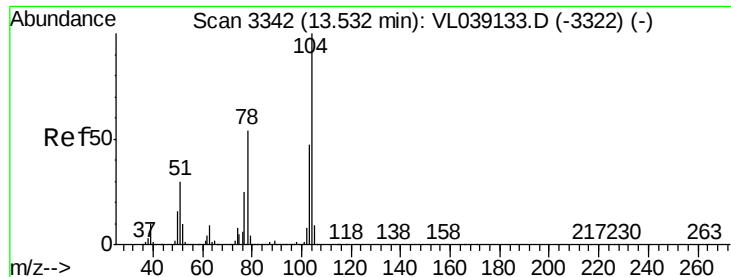
Tot Ion: 91 Resp: 3770887
Ion Ratio Lower Upper
91 100
106 75.5 34.3 51.5#



#60
o-Xylene
Concen: 10.580 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

Tgt Ion: 91 Resp: 3460489
Ion Ratio Lower Upper
91 100
106 42.0 22.3 66.9

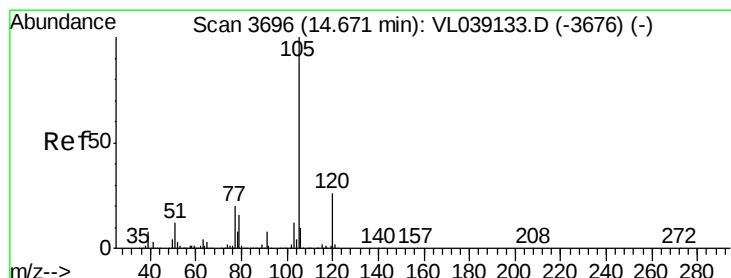
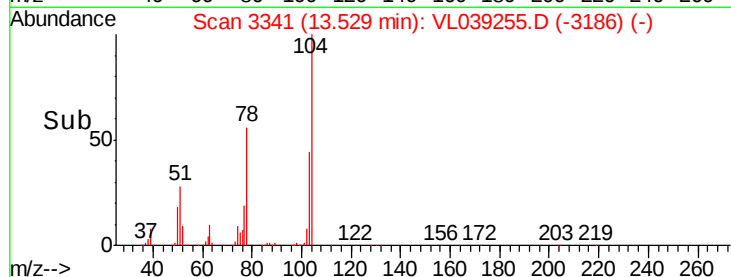
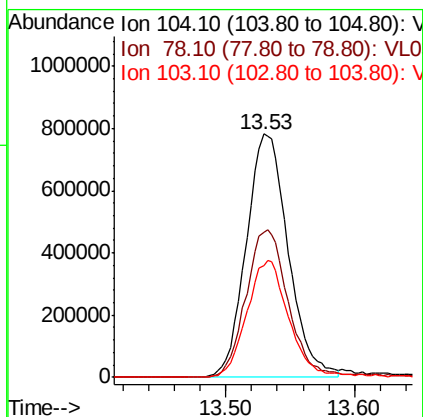
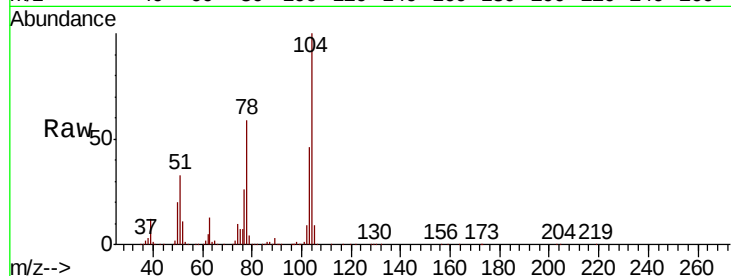




#61
Stvrene
Concen: 10.114 ppbv
RT: 13.53 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: VL0613ABS01
Acq: 13 Jun 2022 14:30

Tot Ion: 104 Resp: 1771495

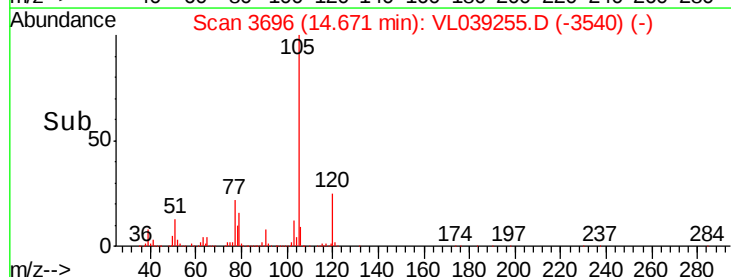
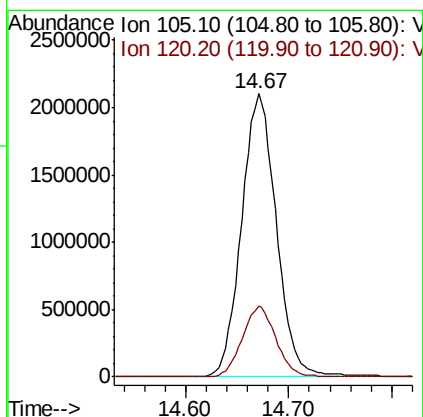
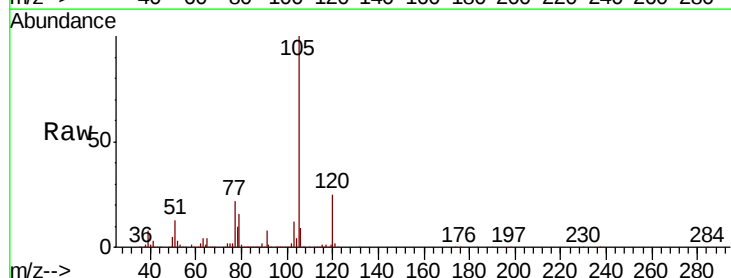
Ion	Ratio	Lower	Upper
104	100		
78	62.2	45.7	68.5
103	48.7	39.6	59.4

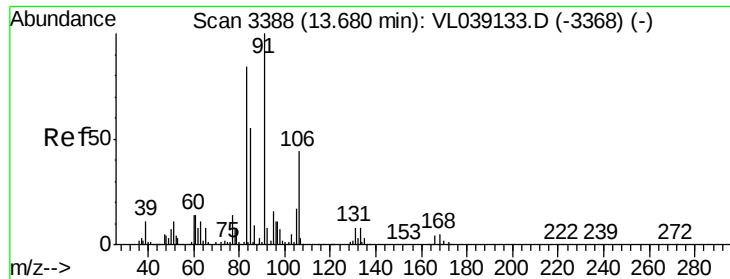


#62
Isopropylbenzene
Concen: 10.102 ppbv
RT: 14.67 min Scan# 3696
Delta R.T.: 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

Tgt Ion: 105 Resp: 4910693

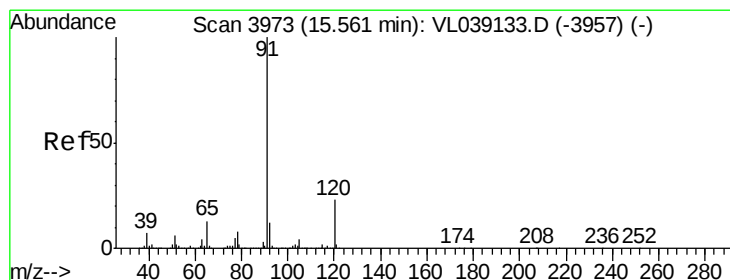
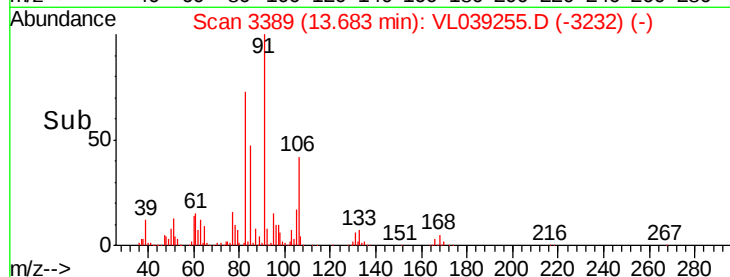
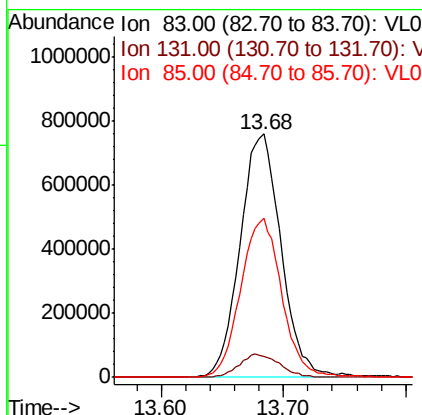
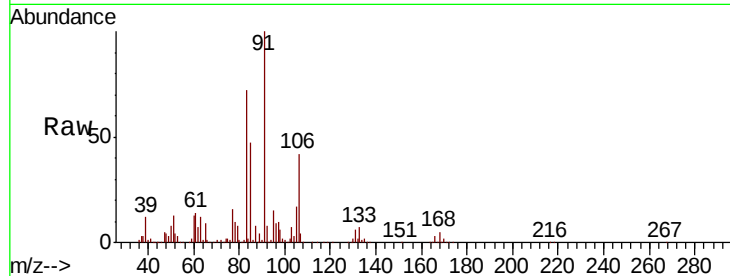
Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.3	30.5





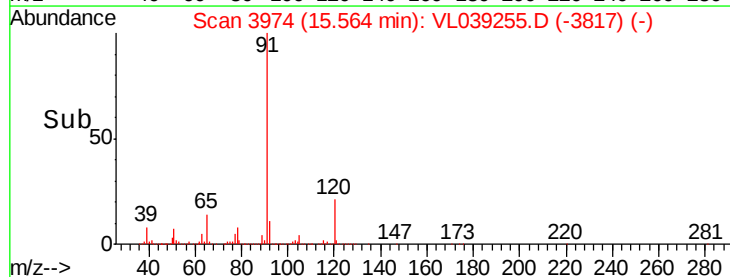
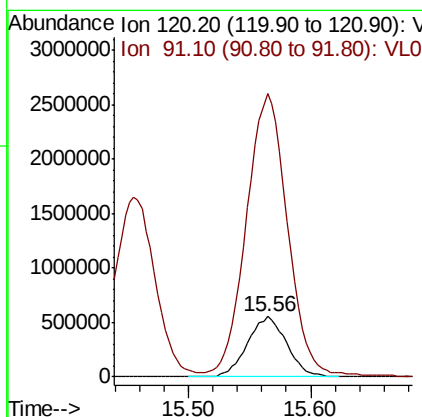
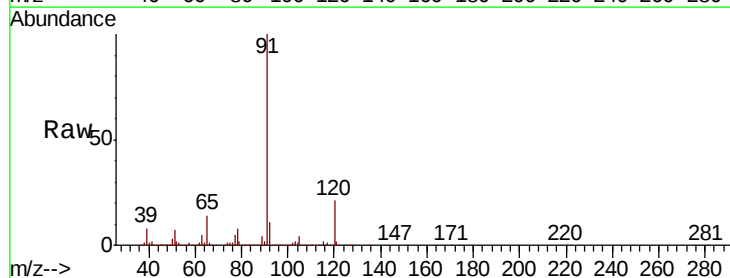
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.534 ppbv
 RT: 13.68 min
 Delta R.T. 0.00 min
 Lab File: VL0613ABS01
 Acq: 13 Jun 2022 14:30

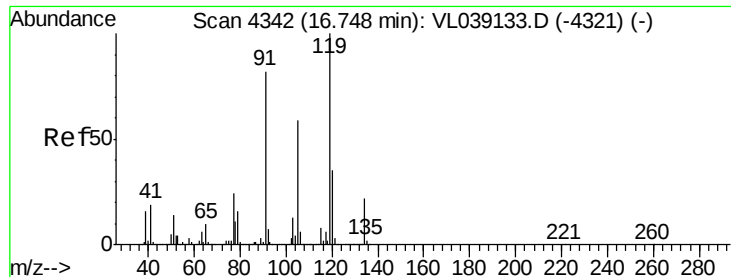
Tot Ion: 83 Resp: 1750311
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.3
 85 66.1 33.0 99.0



#64
 n-propylbenzene
 Concen: 10.288 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

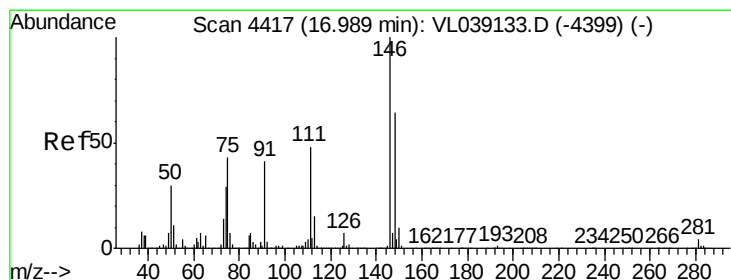
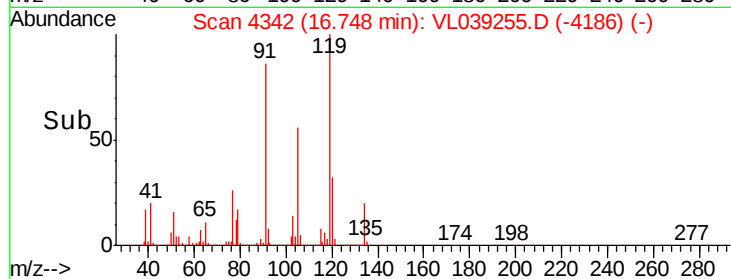
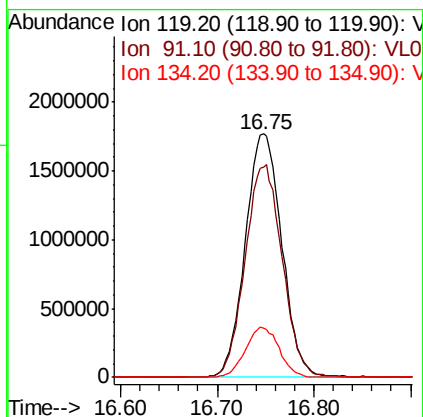
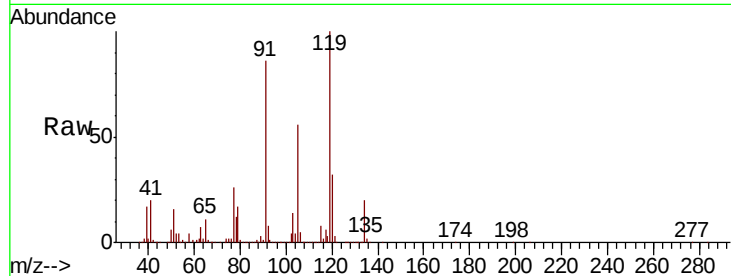
Tgt Ion:120 Resp: 1229438
 Ion Ratio Lower Upper
 120 100
 91 496.9 388.4 582.6





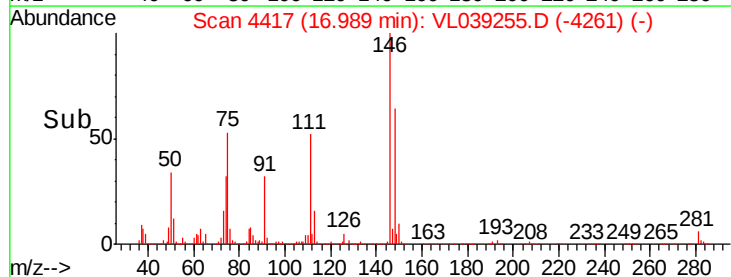
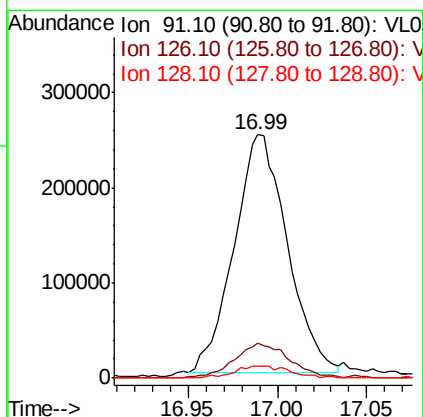
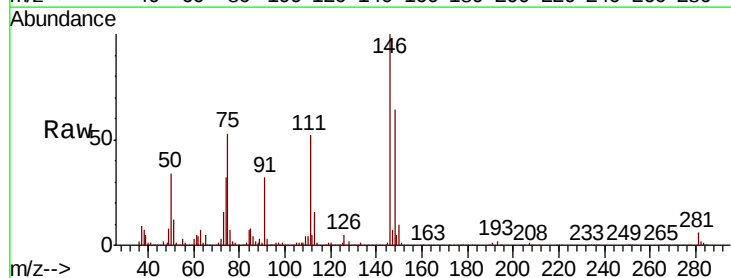
#65
tert-Butylbenzene
Concen: 10.415 ppbv
RT: 16.75
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0613ABS01
Acq: 13 Jun 2022 14:30

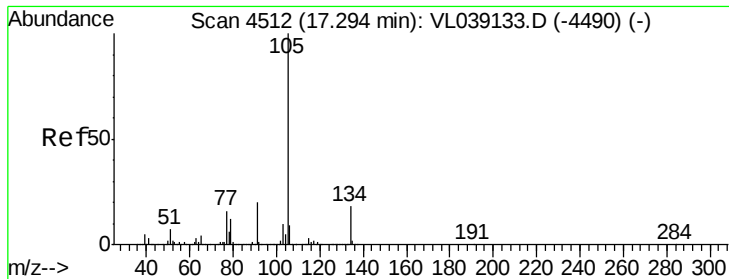
Tot Ion: 119 Resp: 4629696
Ion Ratio Lower Upper
119 100
91 89.1 67.1 100.7
134 19.2 15.8 23.8



#66
Benzyl Chloride
Concen: 9.055 ppbv
RT: 16.99 min Scan# 4417
Delta R.T.: 0.00 min
Lab File: VL039255.D
Acq: 13 Jun 2022 14:30

Tgt Ion: 91 Resp: 523402
Ion Ratio Lower Upper
91 100
126 15.6 13.4 20.0
128 5.6 4.1 6.1





#67

sec-Butylbenzene

Concen: 10.465 ppbv

RT: 17.29 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

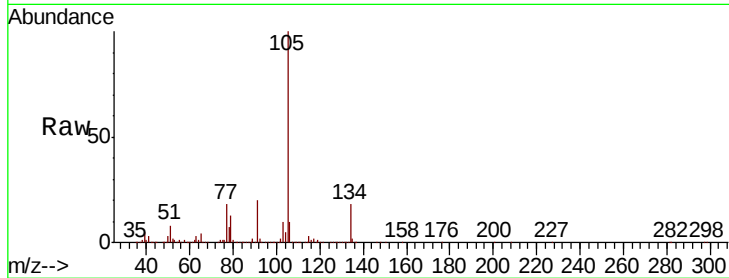
Acq: 13 Jun 2022 14:30

Tot Ion: 105 Resp: 6347479

Ion Ratio Lower Upper

105 100

134 18.0 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

3000000 Ion 134.20 (133.90 to 134.90): V

2500000

2000000

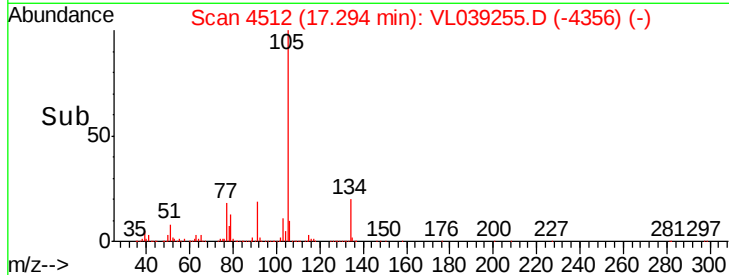
1500000

1000000

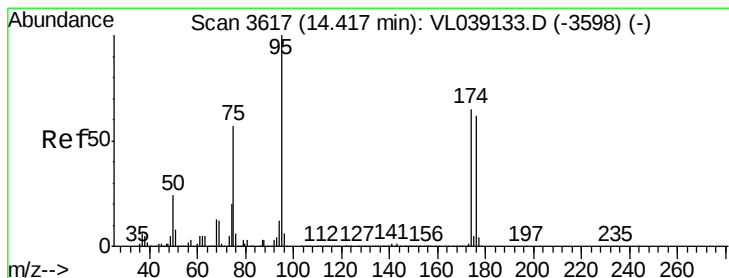
500000

0

17.20 17.30



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 11.181 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.00 min

Lab File: VL039255.D

Acq: 13 Jun 2022 14:30

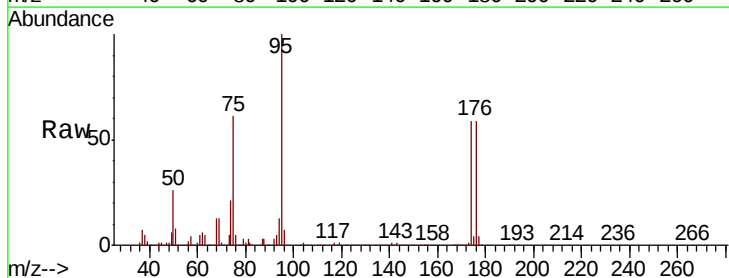
Tgt Ion: 95 Resp: 2652458

Ion Ratio Lower Upper

95 100

174 61.5 53.8 80.8

175 4.4 4.1 6.1



Abundance Ion 95.10 (94.80 to 95.80): VL0

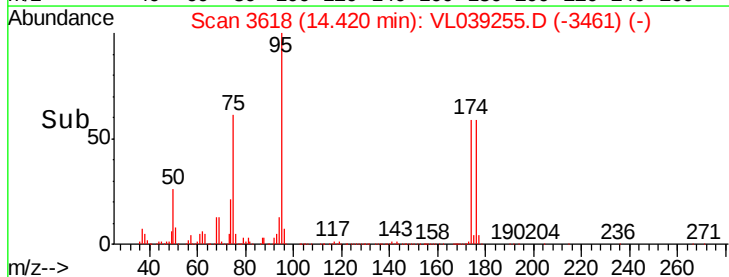
1500000 Ion 174.00 (173.70 to 174.70): V

1000000 Ion 175.00 (174.70 to 175.70): V

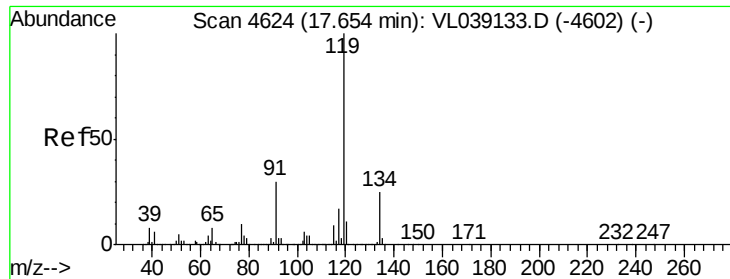
500000

0

14.30 14.40 14.50



Time-->



#69

p-Isopropyltoluene

Concen: 10.492 ppbv

RT: 17.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 14:30

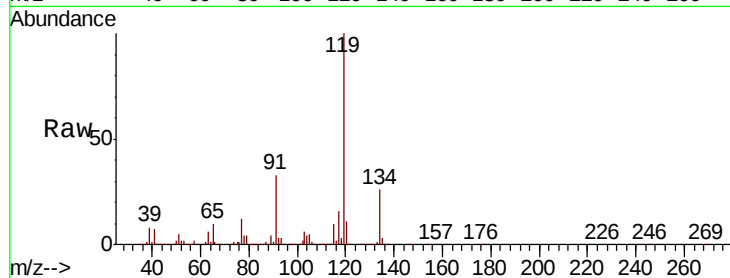
Tot Ion: 119 Resp: 5368928

Ion Ratio Lower Upper

119 100

134 24.9 20.4 30.6

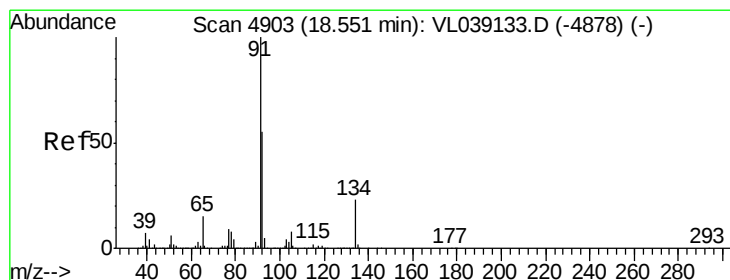
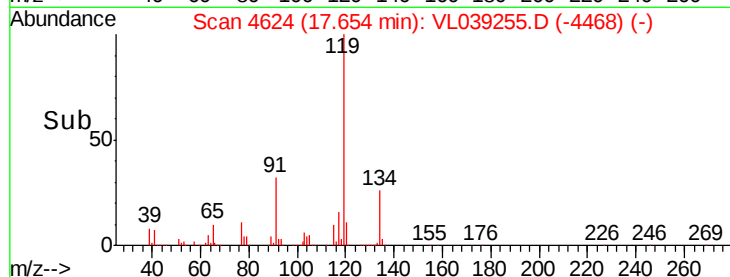
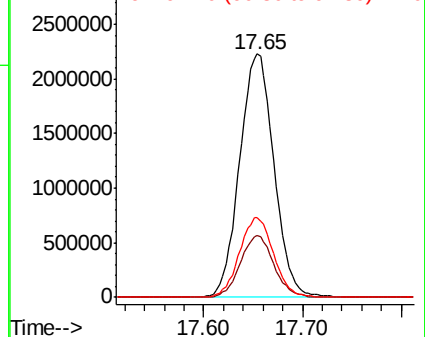
91 32.7 24.2 36.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.854 ppbv

RT: 18.55 min Scan# 4903

Delta R.T. 0.00 min

Lab File: VL039255.D

Acq: 13 Jun 2022 14:30

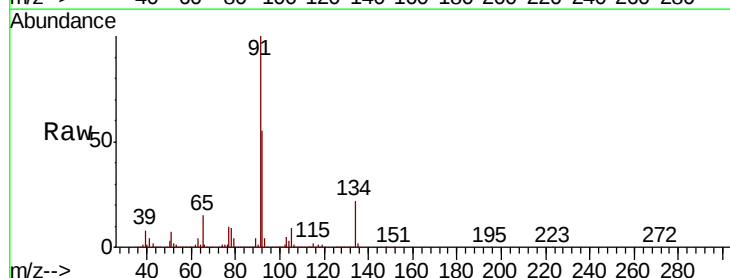
Tgt Ion: 91 Resp: 5701176

Ion Ratio Lower Upper

91 100

92 54.1 43.6 65.4

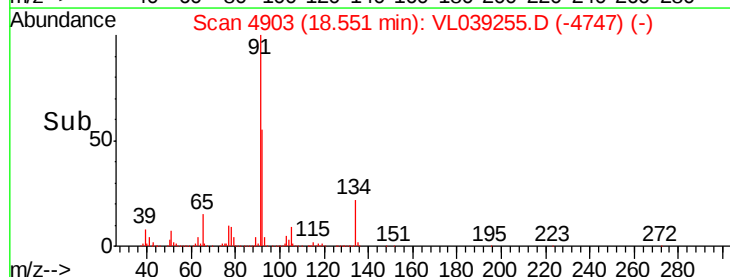
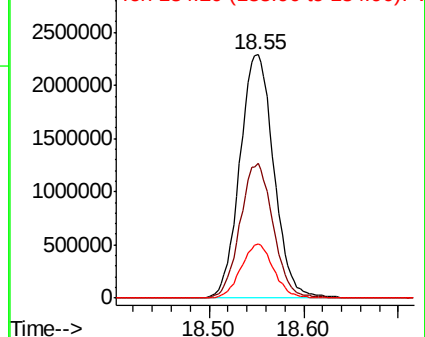
134 21.4 17.7 26.5

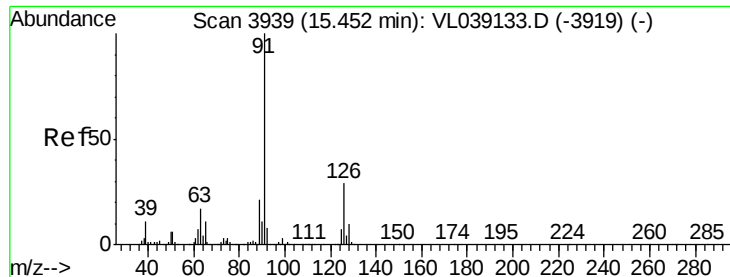


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

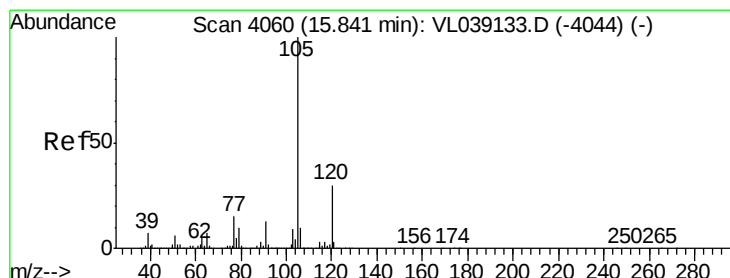
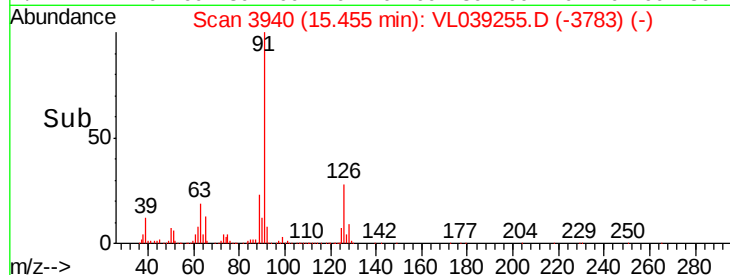
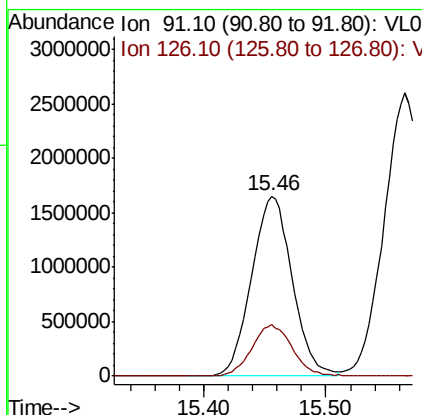
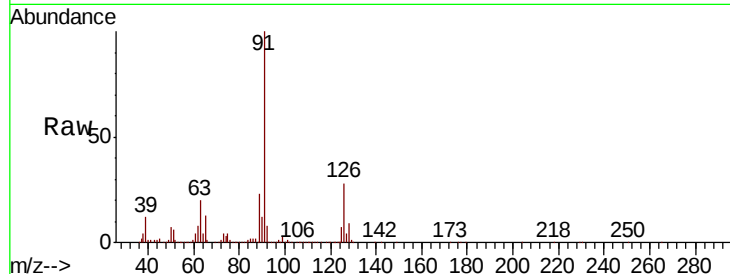
Ion 134.20 (133.90 to 134.90): V





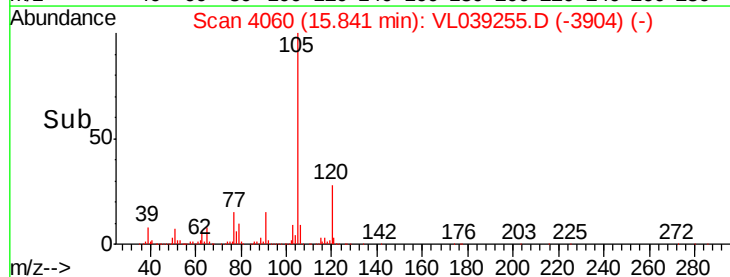
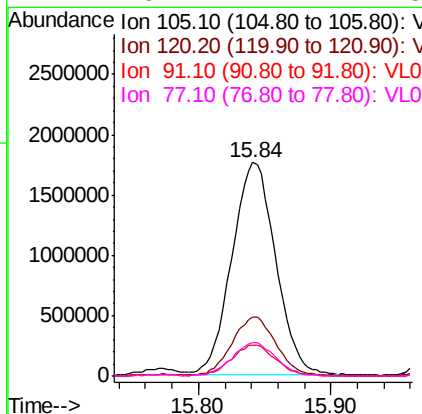
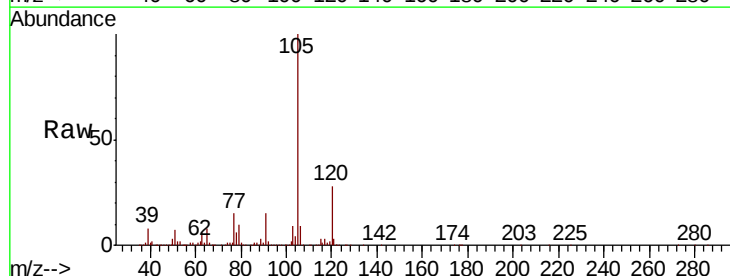
#71
 2-Chlorotoluene
 Concen: 10.275 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0613ABS01
 Acq: 13 Jun 2022 14:30

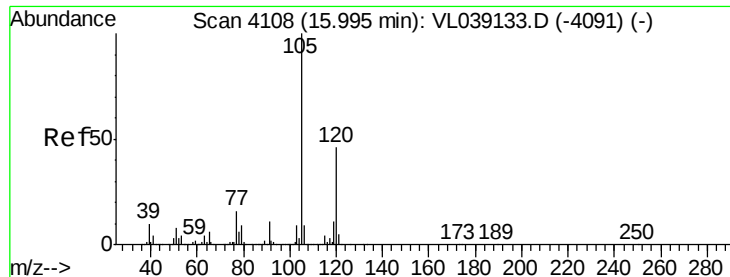
Tot Ion: 91 Resp: 3809049
 Ion Ratio Lower Upper
 91 100
 126 29.0 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 10.517 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

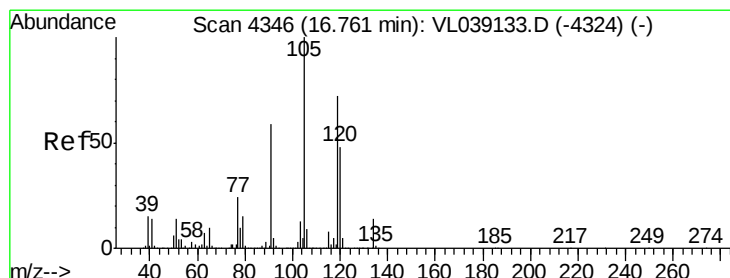
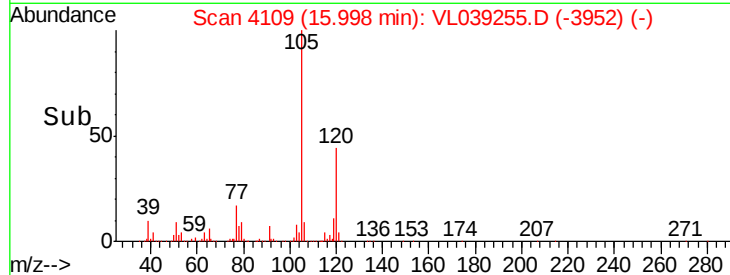
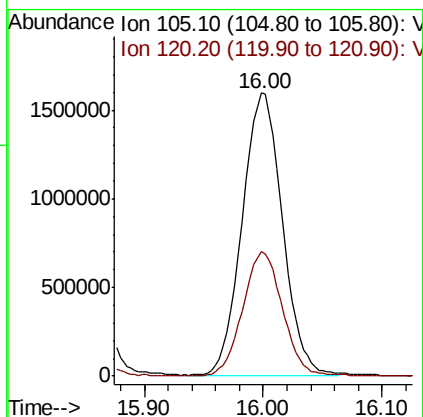
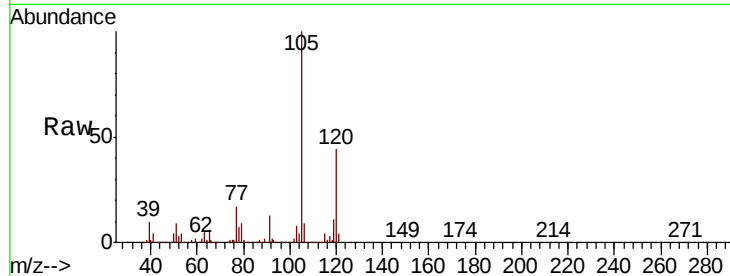
Tgt Ion:105 Resp: 4031650
 Ion Ratio Lower Upper
 105 100
 120 28.2 23.9 35.9
 91 14.4 10.6 16.0
 77 15.7 11.7 17.5





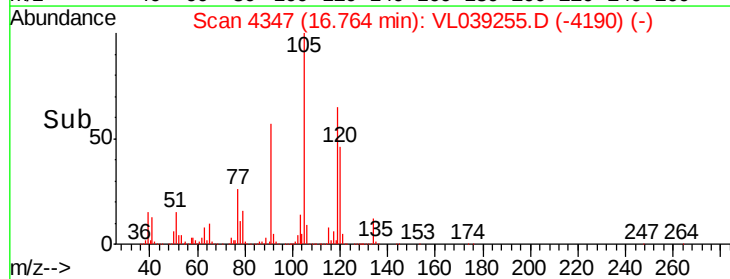
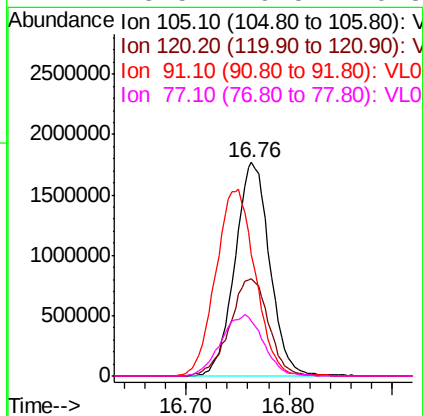
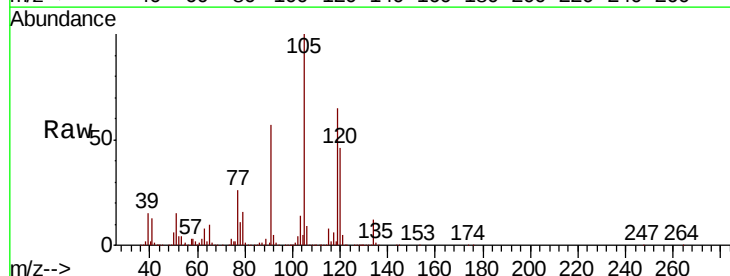
#73
 1,3,5-Trimethylbenzene
 Concen: 10.751 ppbv
 RT: 16.00
 Delta R.T. 0.00
 Lab File: VL0613ABS01
 Acq: 13 Jun 2022 14:30

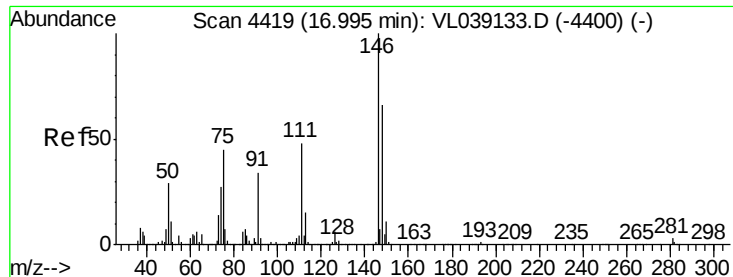
Tot Ion:105 Resp: 3717112
 Ion Ratio Lower Upper
 105 100
 120 43.9 36.7 55.1



#74
 1,2,4-Trimethylbenzene
 Concen: 10.737 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

Tgt Ion:105 Resp: 4142644
 Ion Ratio Lower Upper
 105 100
 120 45.6 38.1 57.1
 91 56.5 47.4 71.0
 77 25.5 19.5 29.3





#75

1,3-Dichlorobenzene

Concen: 10.380 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 14:30

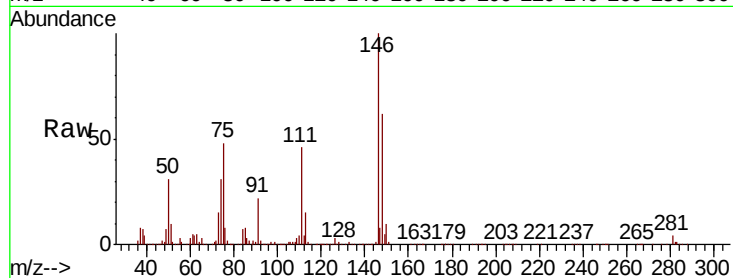
Tot Ion:146 Resp: 2266944

Ion Ratio Lower Upper

146 100

111 49.7 23.8 71.4

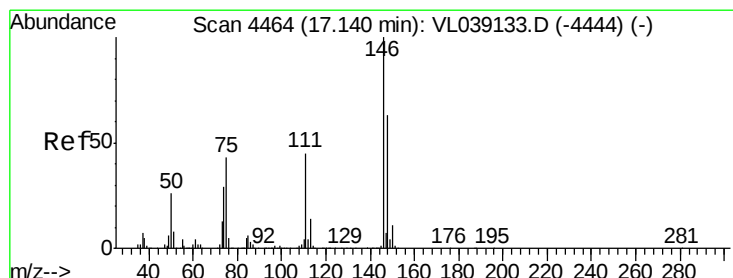
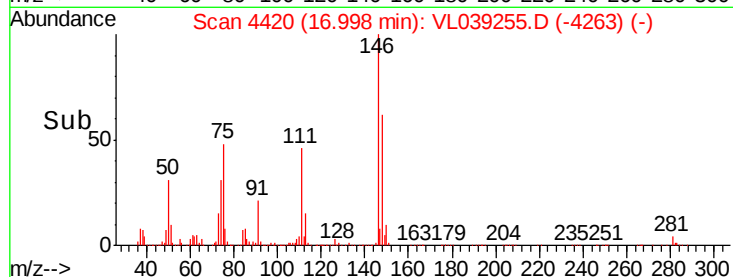
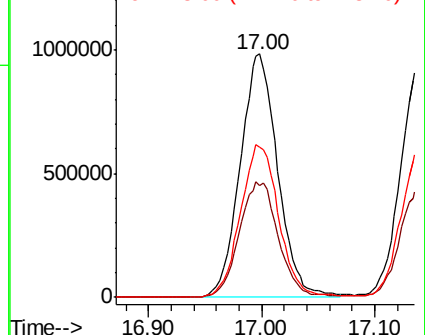
148 64.1 32.4 97.0



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: 9.932 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.00 min

Lab File: VL039255.D

Acq: 13 Jun 2022 14:30

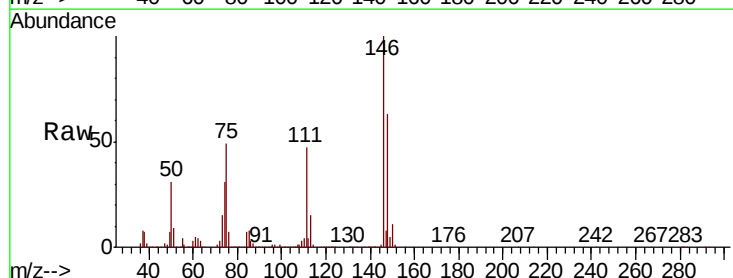
Tgt Ion:146 Resp: 2164238

Ion Ratio Lower Upper

146 100

111 49.2 23.6 71.0

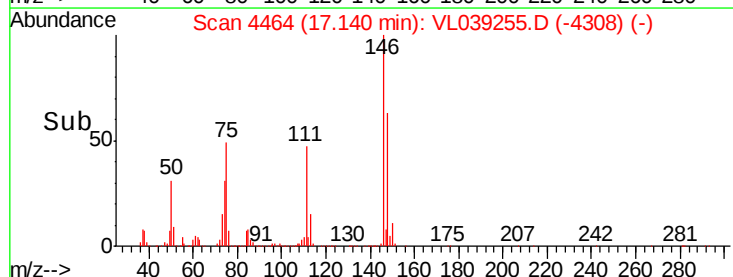
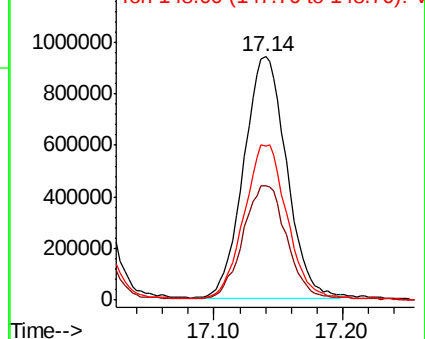
148 66.0 33.7 101.0

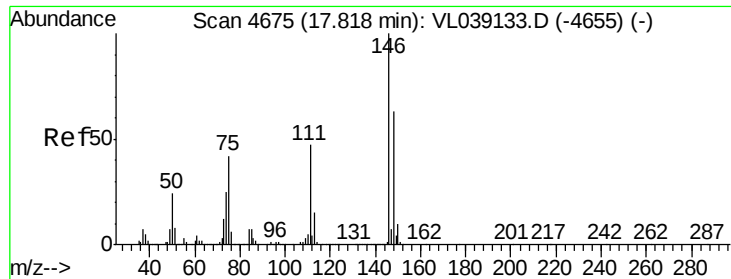


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

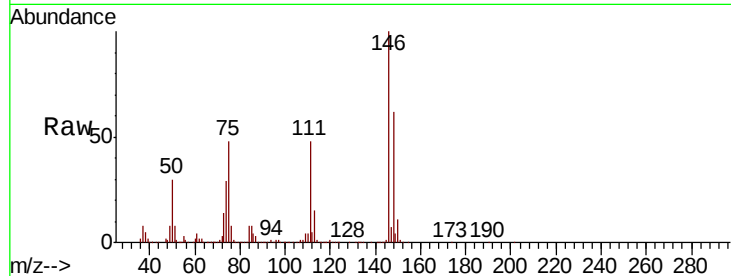




#77
 1,2-Dichlorobenzene
 Concen: 9.975 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0613ABS01
 Acq: 13 Jun 2022 14:30

Tot Ion:146 Resp: 2195622

Ion	Ratio	Lower	Upper
146	100		
111	51.4	24.4	73.4
148	64.9	32.1	96.5

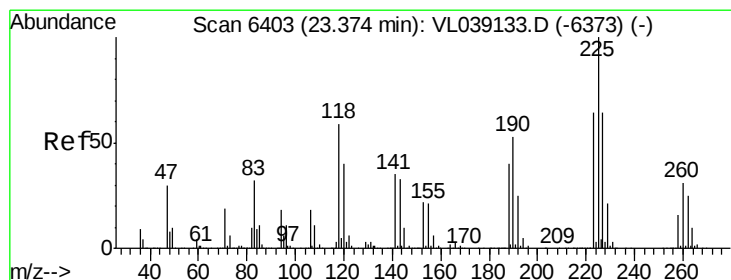
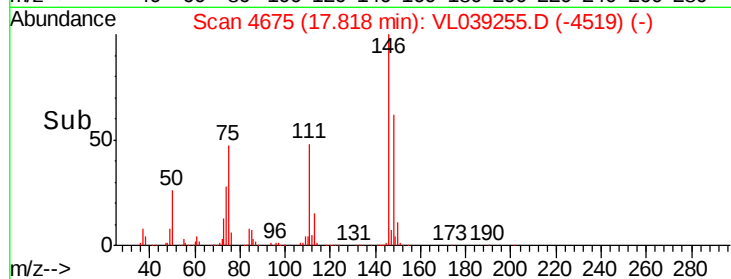
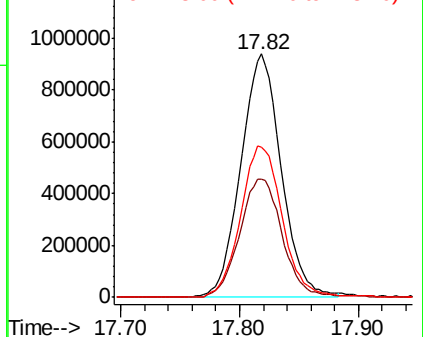


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

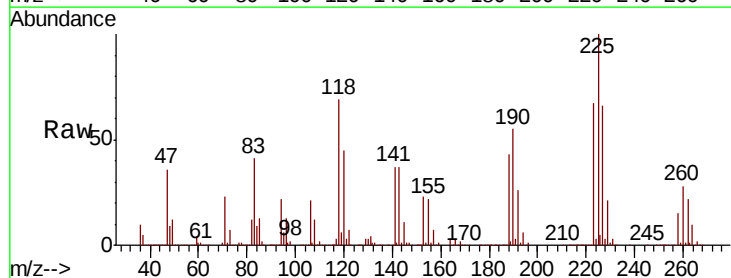
Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.244 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T. 0.01 min
 Lab File: VL039255.D
 Acq: 13 Jun 2022 14:30

Tgt Ion:225 Resp: 1860555

Ion	Ratio	Lower	Upper
225	100		
223	64.9	51.4	77.0
227	64.6	50.6	75.8

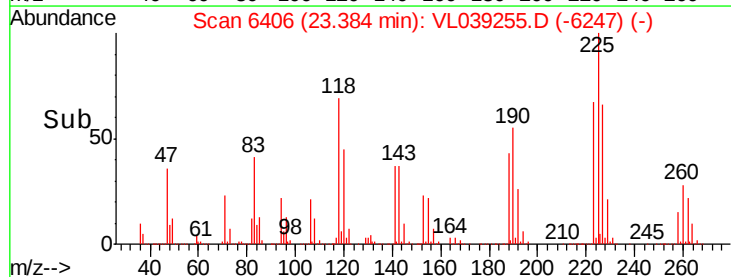
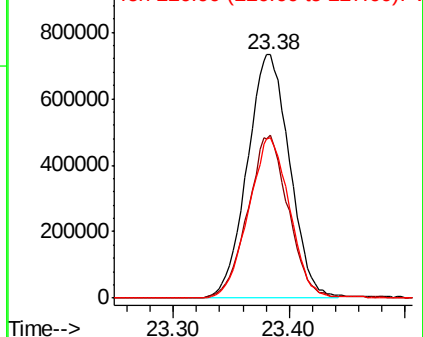


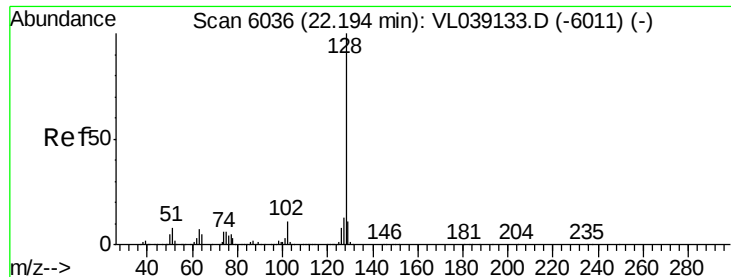
Abundance

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: 11.032 ppbv

RT: 22.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 14:30

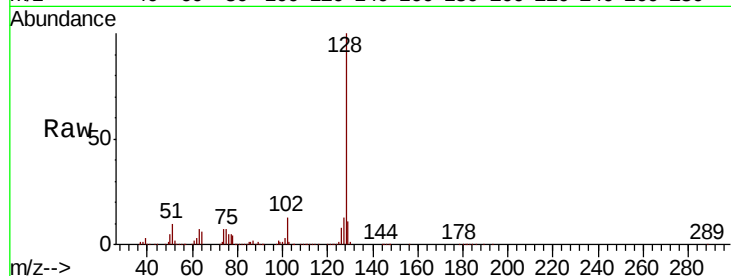
Tot Ion:128 Resp: 3276723

Ion Ratio Lower Upper

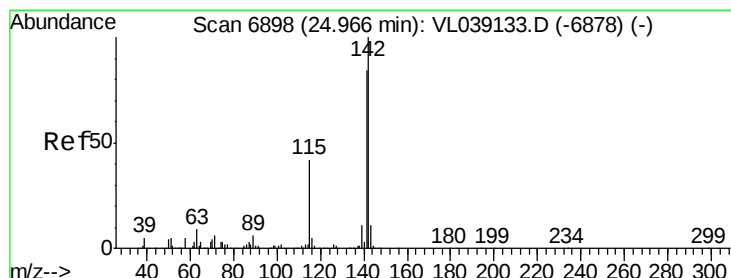
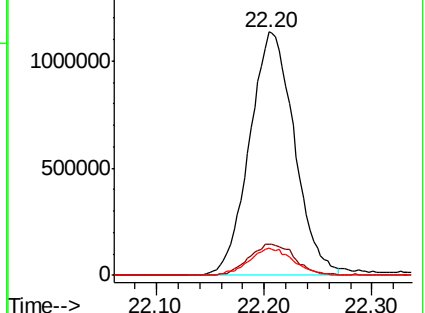
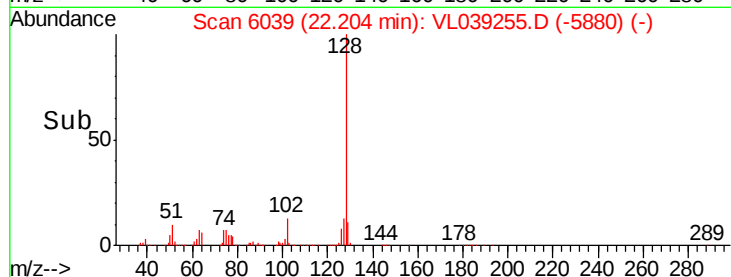
128 100

127 12.9 10.4 15.6

129 11.1 9.0 13.6



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: 8.842 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.01 min

Lab File: VL039255.D

Acq: 13 Jun 2022 14:30

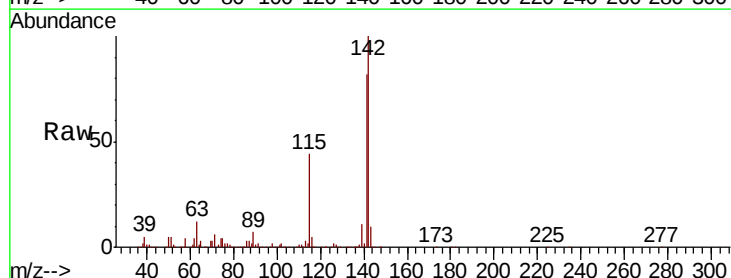
Tgt Ion:142 Resp: 975710

Ion Ratio Lower Upper

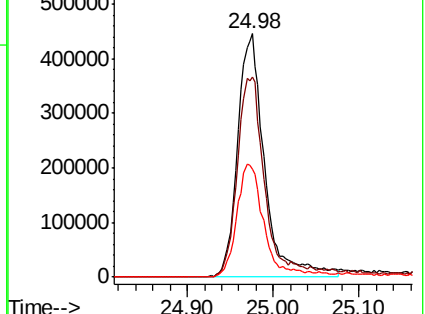
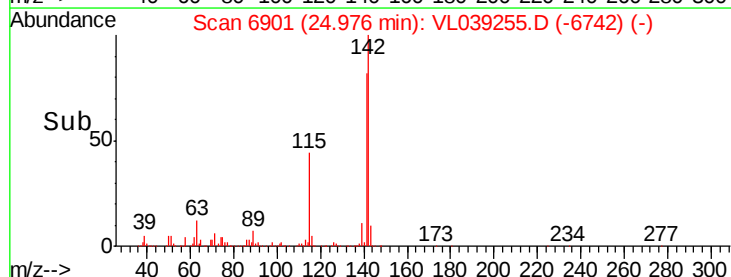
142 100

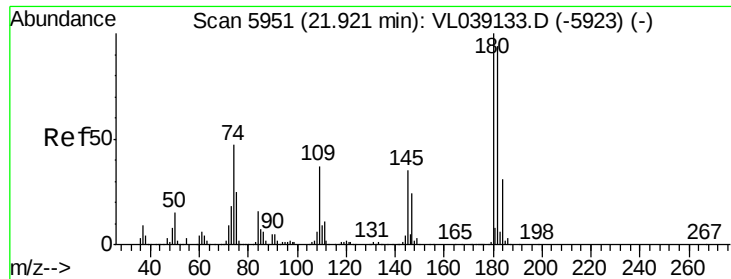
141 88.3 64.6 96.8

115 47.0 32.7 49.1



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: 10.296 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0613ABS01
 Acq: 13 Jun 2022 14:30

Tot Ion:180 Resp: 1937402
 Ion Ratio Lower Upper
 180 100
 182 96.6 0.0 0.0#
 184 30.8 0.0 0.0#

