

Data File : VL038259.D

Acq On : 24 Jan 2022 13:14

Operator : SY/AP

Sample : VSTDICC015

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

Quant Time: Jan 24 14:06:46 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 11:15:25 2022

QLast Update : Mon Jan 24 11:15:25 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	836633	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2284719	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2099915	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1653196	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	2485371	15.766	ppbv	99
3) Chlorodifluoromethane	3.00	51	2124350	12.084	ppbv	100
4) Chloromethane	3.15	50	747502	12.263	ppbv	99
5) Vinyl Chloride	3.27	62	737026	12.029	ppbv	99
6) Bromomethane	3.49	94	417190	13.362	ppbv	100
7) Chloroethane	3.57	64	264825	12.835	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	1800610	12.035	ppbv	100
9) Propene	3.02	41	718964	11.778	ppbv	99
10) Heptane	8.13	43	1856632	11.990	ppbv	100
11) Trichlorofluoromethane	3.96	101	1824998	12.605	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1350070	12.346	ppbv	99
13) Ethanol	3.62	45	68520	6.621	ppbv	97
14) Bromoethene	3.75	108	564585	12.959	ppbv	98
15) Acetone	3.86	43	906464	10.796	ppbv	100
16) 1,3-Butadiene	3.34	39	718783	12.566	ppbv	98
17) tert-Butyl alcohol	4.29	59	930306	10.088	ppbv	97
18) 1,1-Dichloroethene	4.30	96	588508	12.288	ppbv	97
19) Isopropyl Alcohol	3.98	45	507721	9.695	ppbv	100
20) Methylene Chloride	4.36	84	489886	10.334	ppbv	96
21) Allyl Chloride	4.42	41	907427	12.776	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	637235	13.041	ppbv	97
23) Vinyl Acetate	5.09	43	1512449	13.303	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1235362	12.150	ppbv	99
25) Ethyl Acetate	5.68	43	2877888	12.651	ppbv	99
26) Hexane	5.70	57	1322840	11.590	ppbv	98
27) Carbon Disulfide	4.56	76	1563211	15.559	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1319452	11.504	ppbv	99
29) Chloroform	5.76	83	2129108	12.571	ppbv	99
30) Cyclohexane	7.14	84	1111448	10.995	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1373886	15.349	ppbv	95
32) 1,1,1-Trichloroethane	6.52	97	2087274	12.421	ppbv	99
34) 2-Butanone	5.25	43	1326793	19.321	ppbv	98
35) Carbon Tetrachloride	7.03	117	2187930	15.514	ppbv	99
36) Benzene	6.90	78	2781638	13.053	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1627877	15.223	ppbv	99
38) Trichloroethene	7.84	130	989469	12.200	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1104786	13.470	ppbv	98
40) 1,4-Dioxane	7.84	88	245916	10.307	ppbv #	1
41) Tetrahydrofuran	6.06	42	734652	14.606	ppbv	99
42) Bromodichloromethane	7.80	83	2338260	15.368	ppbv	99
43) Methyl Methacrylate	8.02	69	1075410	14.663	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 11:15:25 2022

QLast Update : Mon Jan 24 11:15:25 2022

Response via : Initial Calibration

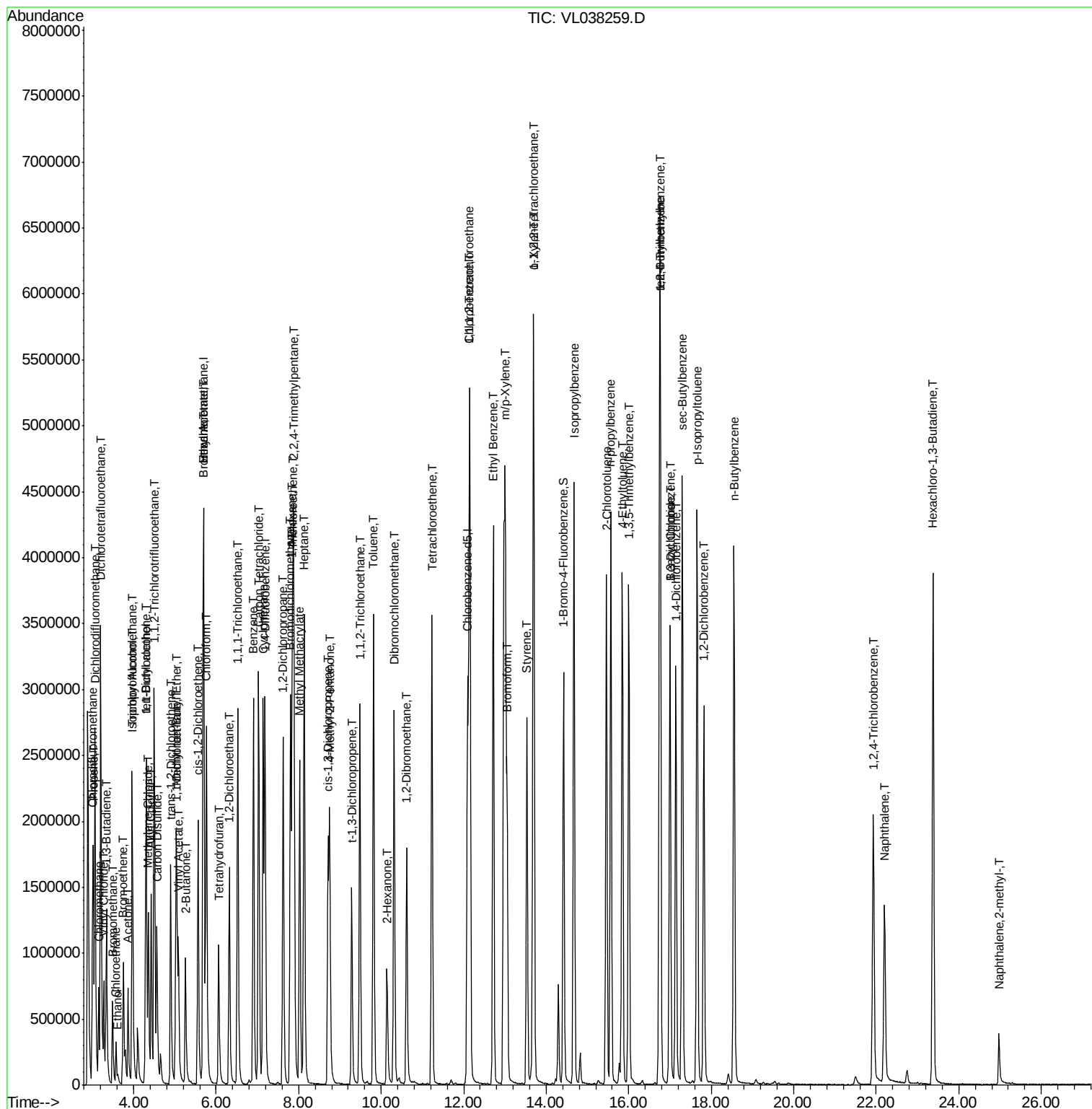
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4556173	12.586	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1001041	18.443	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1214883	16.170	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1111097	13.052	ppbv	98
48) Dibromochloromethane	10.31	129	1923714	16.070	ppbv	99
49) Bromoform	13.05	173	1424183	16.745	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	1907948	15.281	ppbv	99
51) 2-Hexanone	10.14	43	877724	14.688	ppbv	97
52) Tetrachloroethene	11.23	164	902227	11.469	ppbv	98
53) Toluene	9.81	91	3137946	12.761	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1636991	13.556	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1211967	13.876	ppbv	98
57) Chlorobenzene	12.15	112	2206411	12.115	ppbv	98
58) Ethyl Benzene	12.72	91	4106119	12.601	ppbv	96
59) m/p-Xylene	13.00	91	3326616	11.941	ppbv #	29
60) o-Xylene	13.70	91	3168684	12.268	ppbv	100
61) Styrene	13.53	104	1719747	13.145	ppbv	99
62) Isopropylbenzene	14.67	105	4214786	11.623	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2140429	10.776	ppbv	100
64) n-propylbenzene	15.57	120	1063493	11.796	ppbv	95
65) tert-Butylbenzene	16.75	119	3379395	10.587	ppbv	99
66) Benzyl Chloride	17.00	91	204987	17.231	ppbv	97
67) sec-Butylbenzene	17.30	105	4699355	10.715	ppbv	99
69) p-Isopropyltoluene	17.66	119	3712439	10.524	ppbv	99
70) n-Butylbenzene	18.55	91	3672912	10.951	ppbv	100
71) 2-Chlorotoluene	15.46	91	3183694	11.795	ppbv	100
72) 4-Ethyltoluene	15.85	105	3505885	11.787	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	3055269	11.478	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	3041714	10.880	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	1693388	11.214	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	1635348	10.915	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1534934	10.616	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	994612	11.148	ppbv	99
79) Naphthalene	22.20	128	888905	6.155	ppbv	98
80) Naphthalene,2-methyl-	24.98	142	276965	9.666	ppbv	93
81) 1,2,4-Trichlorobenzene	21.93	180	998828	12.094	ppbv	98

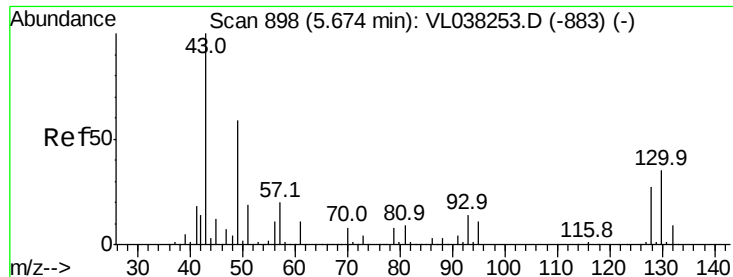
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICC015

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC015

Acq: 24 Jan 2022 13:14

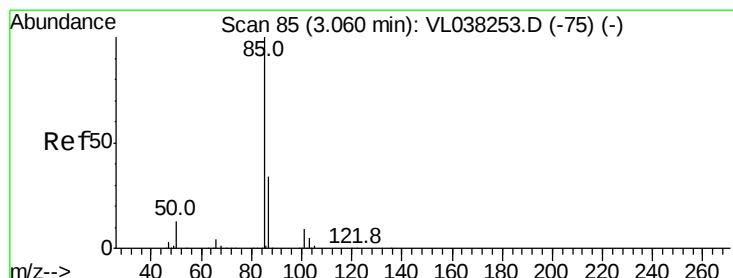
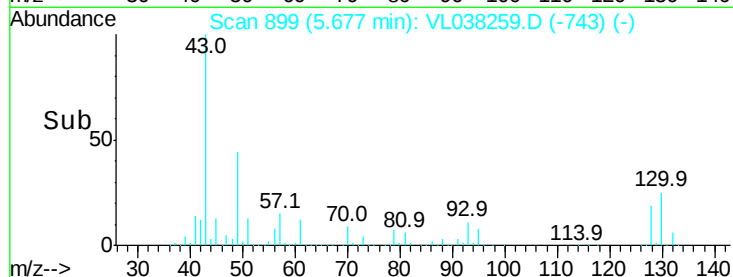
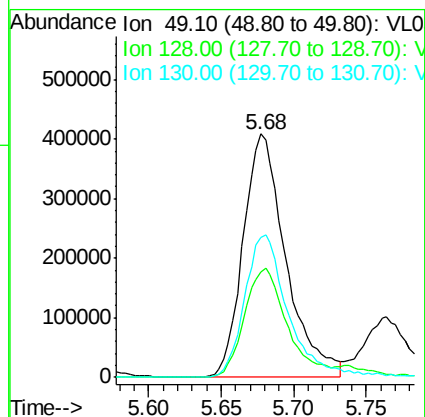
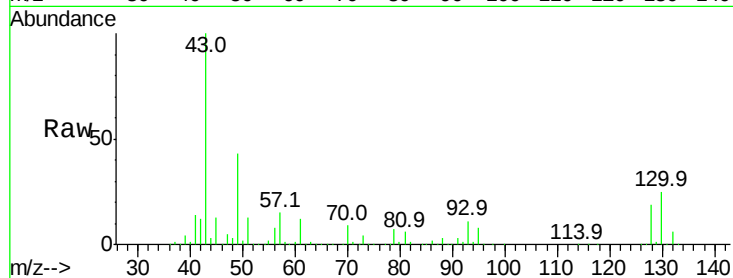
Tgt Ion: 49 Resp: 836633

Ion Ratio Lower Upper

49 100

128 49.8 24.5 73.5

130 60.7 30.1 90.5



#2

Dichlorodifluoromethane

Concen: 15.766 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.00 min

Lab File: VL038259.D

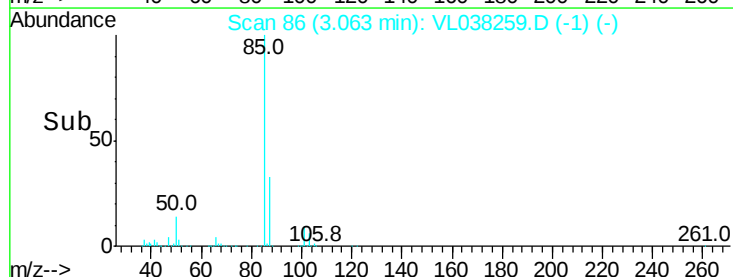
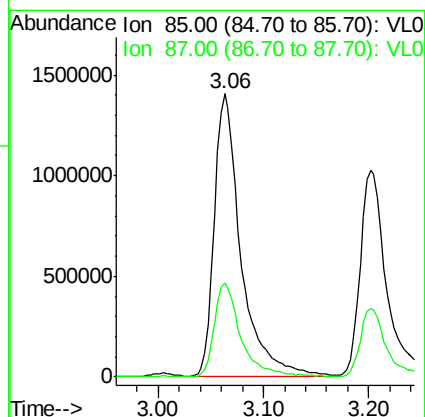
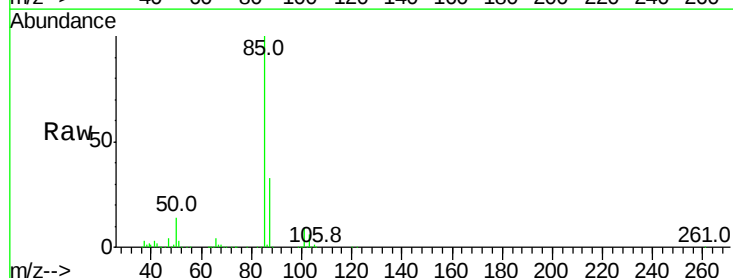
Acq: 24 Jan 2022 13:14

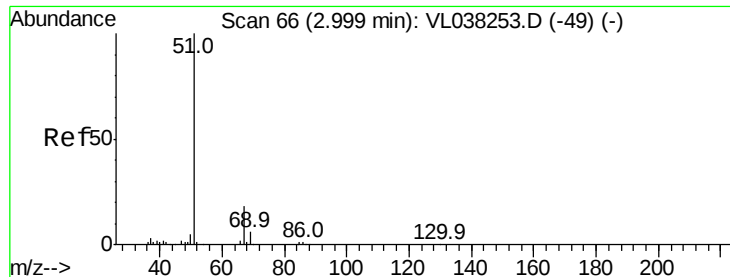
Tgt Ion: 85 Resp: 2485371

Ion Ratio Lower Upper

85 100

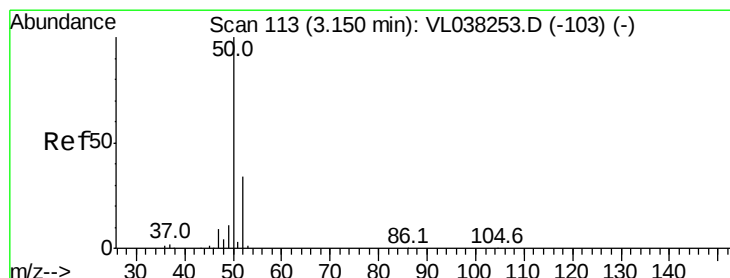
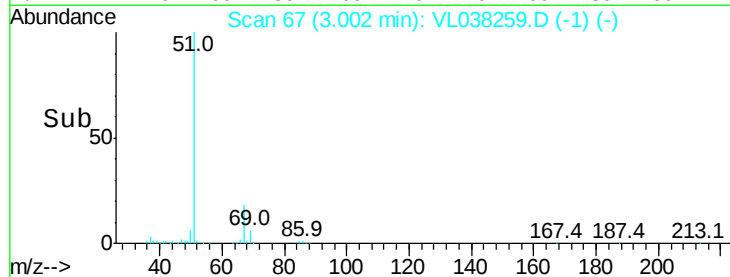
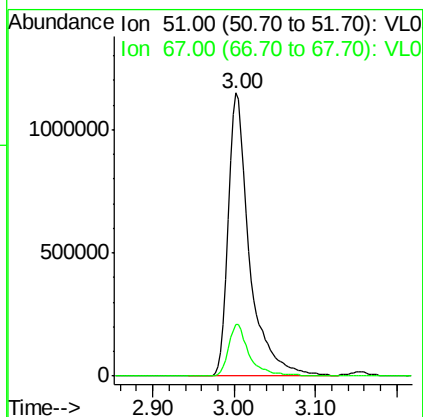
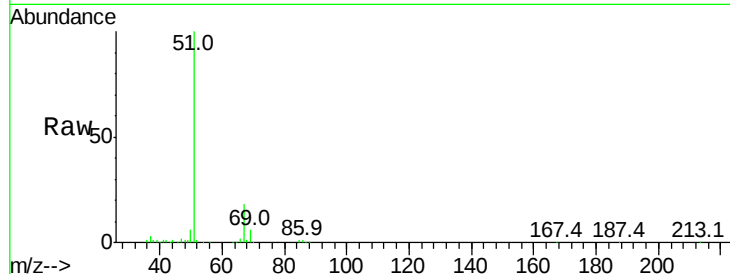
87 33.1 27.0 40.6





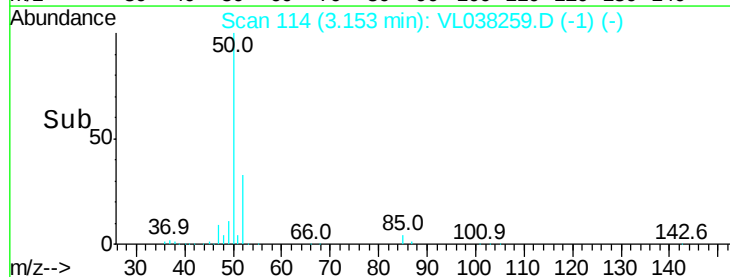
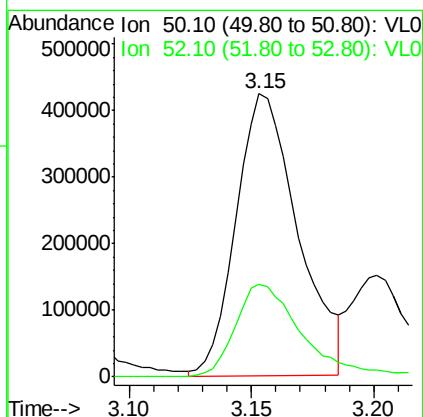
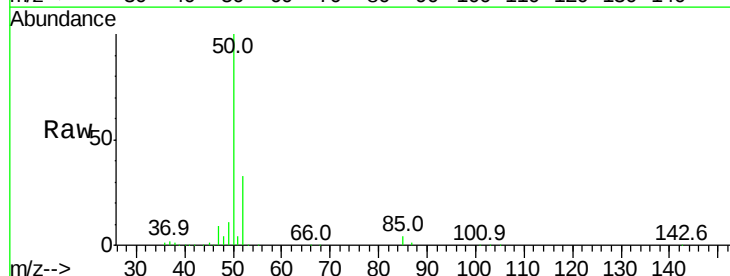
#3
 Chlorodifluoromethane
 Concen: 12.084 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0015
 Acq: 24 Jan 2022 13:14

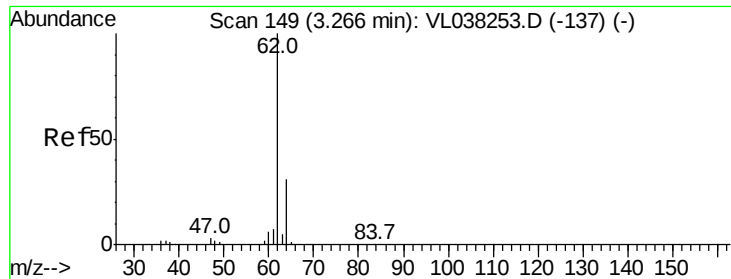
Tgt Ion: 51 Resp: 2124350
 Ion Ratio Lower Upper
 51 100
 67 18.1 14.4 21.6



#4
 Chloromethane
 Concen: 12.263 ppbv
 RT: 3.15 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

Tgt Ion: 50 Resp: 747502
 Ion Ratio Lower Upper
 50 100
 52 33.2 27.1 40.7





#5

Vinyl Chloride

Concen: 12.029 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC015

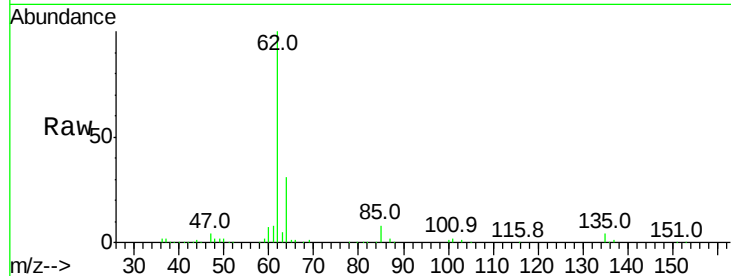
Acq: 24 Jan 2022 13:14

Tgt Ion: 62 Resp: 737026

Ion Ratio Lower Upper

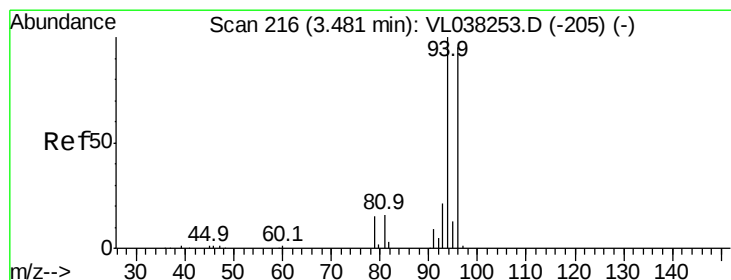
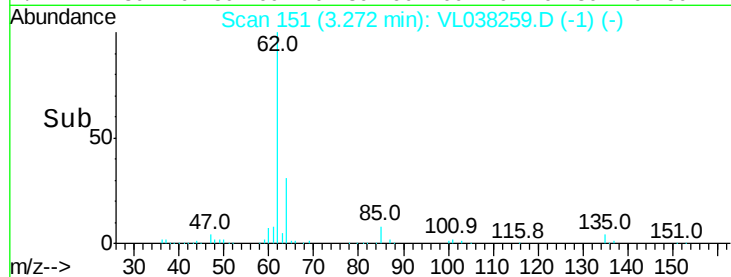
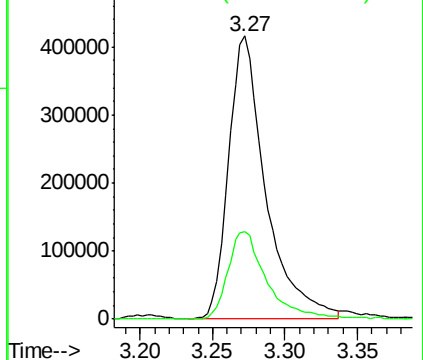
62 100

64 31.0 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 13.362 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL038259.D

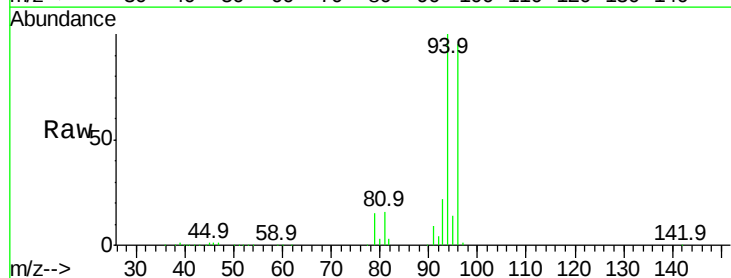
Acq: 24 Jan 2022 13:14

Tgt Ion: 94 Resp: 417190

Ion Ratio Lower Upper

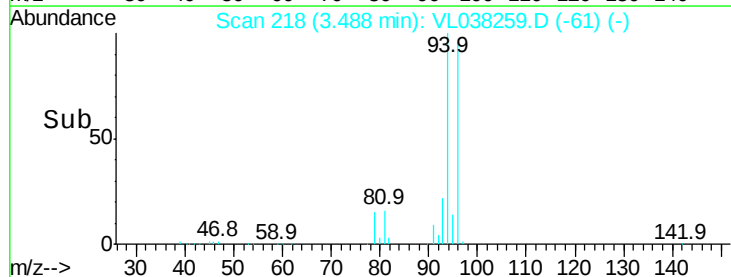
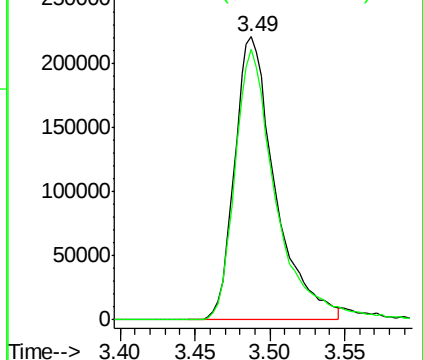
94 100

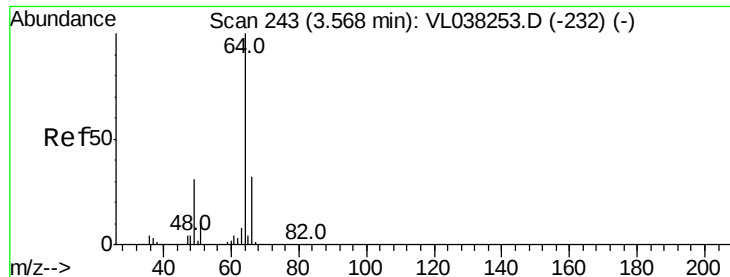
96 95.5 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 12.835 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

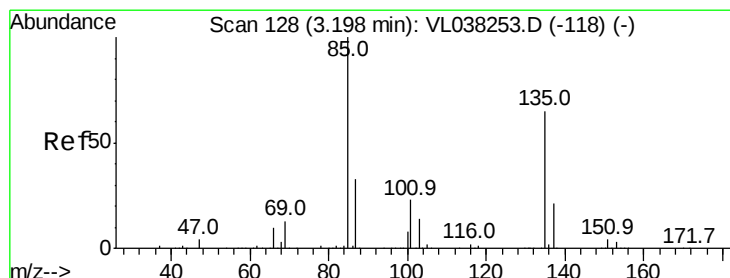
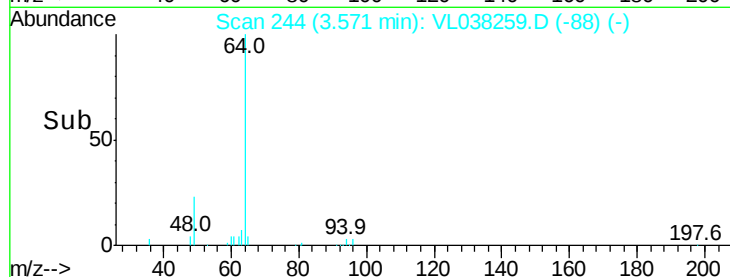
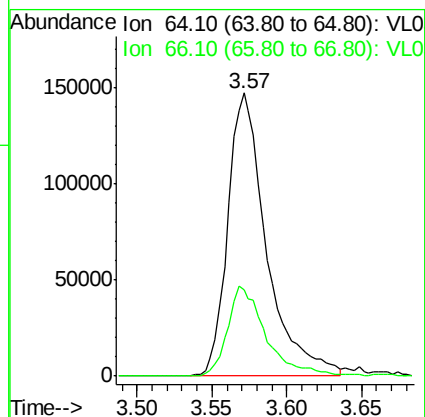
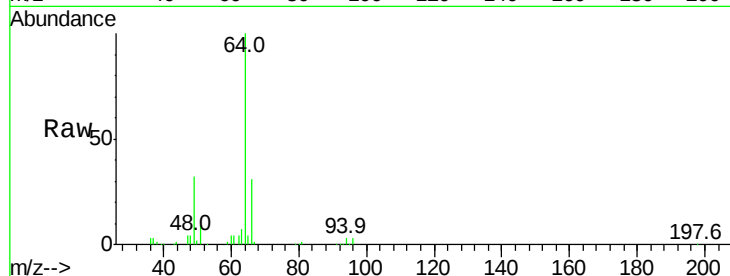
Acq: 24 Jan 2022 13:14

Tgt Ion: 64 Resp: 264825

Ion Ratio Lower Upper

64 100

66 30.5 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 12.035 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL038259.D

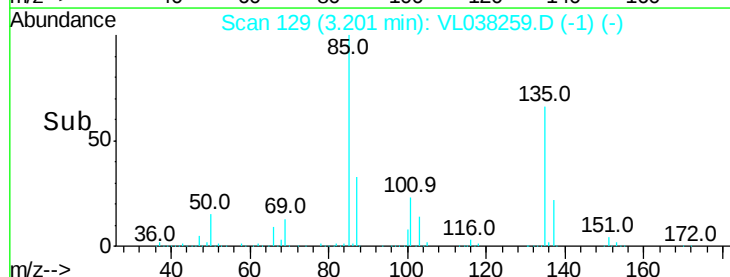
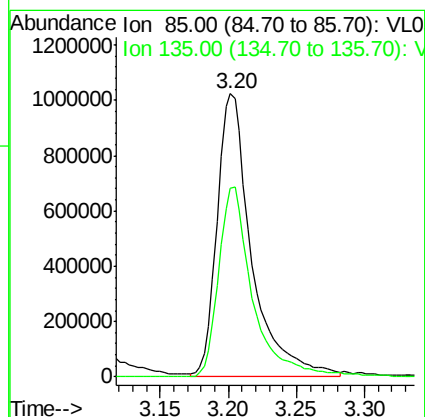
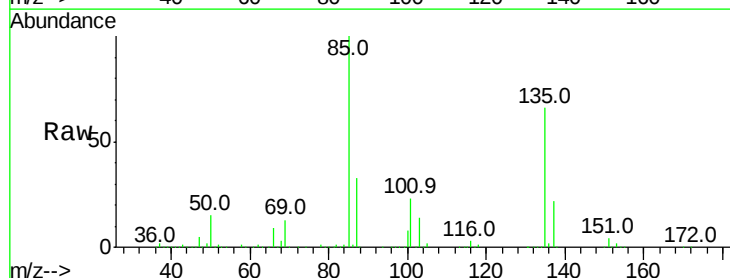
Acq: 24 Jan 2022 13:14

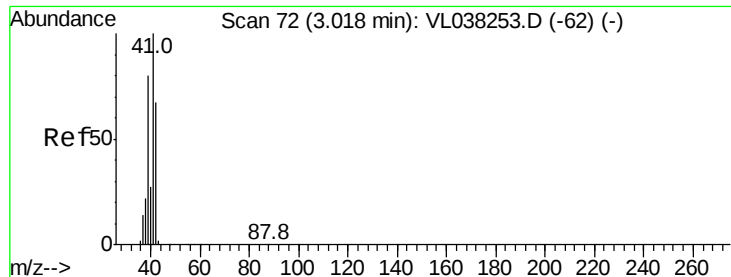
Tgt Ion: 85 Resp: 1800610

Ion Ratio Lower Upper

85 100

135 66.9 53.7 80.5





#9

Propene

Concen: 11.778 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

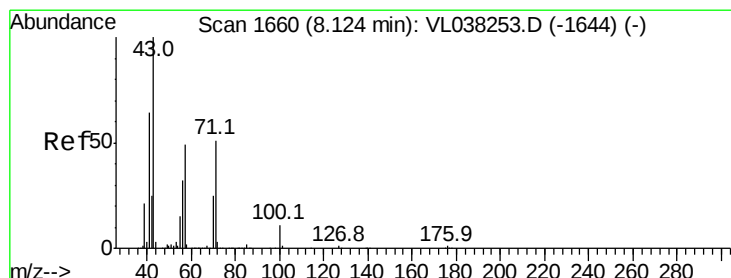
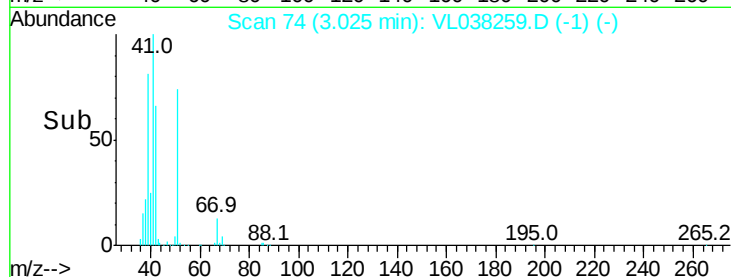
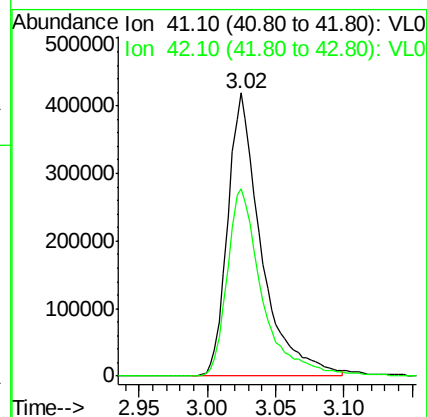
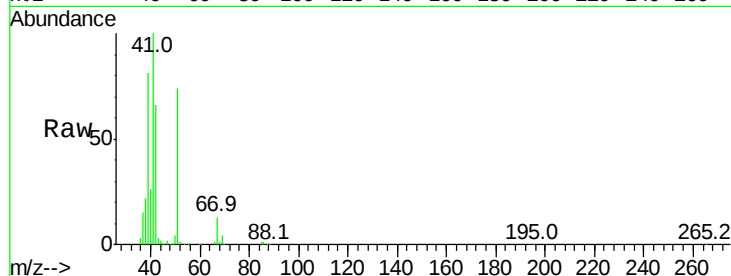
Acq: 24 Jan 2022 13:14 VSTDIC015

Tgt Ion: 41 Resp: 718964

Ion Ratio Lower Upper

41 100

42 69.2 54.9 82.3



#10

Heptane

Concen: 11.990 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL038259.D

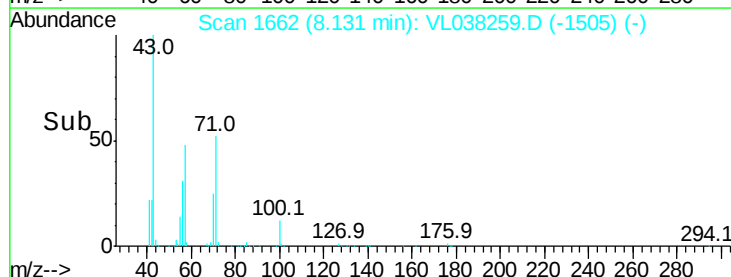
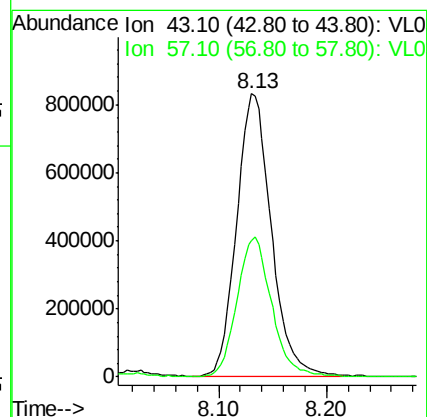
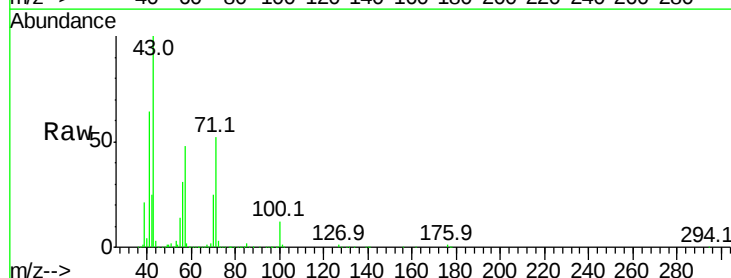
Acq: 24 Jan 2022 13:14

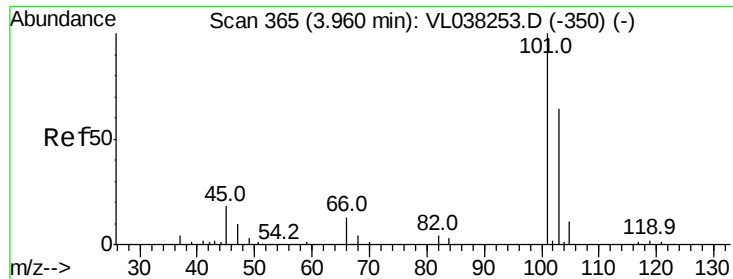
Tgt Ion: 43 Resp: 1856632

Ion Ratio Lower Upper

43 100

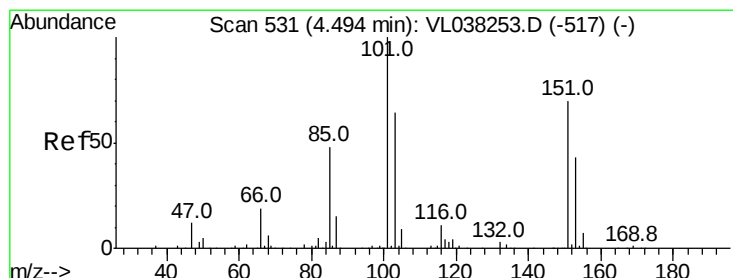
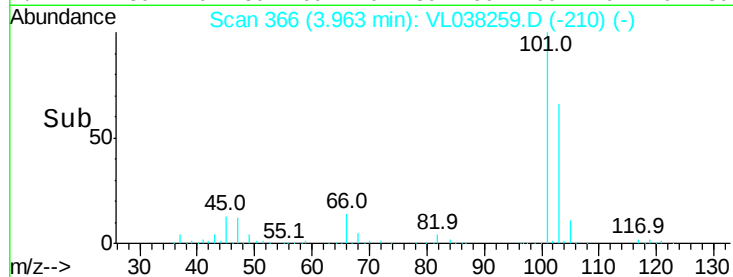
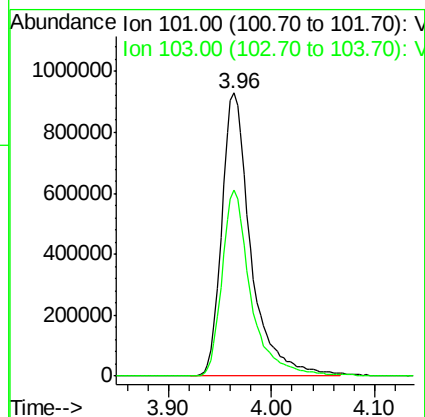
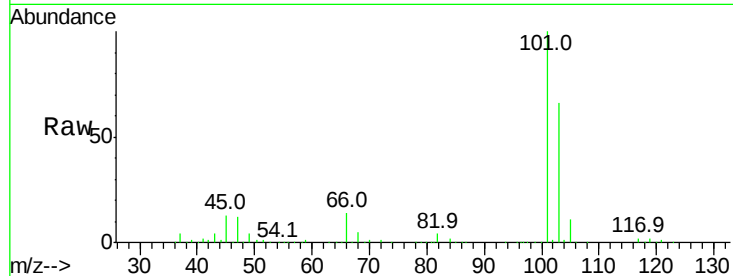
57 49.7 39.5 59.3





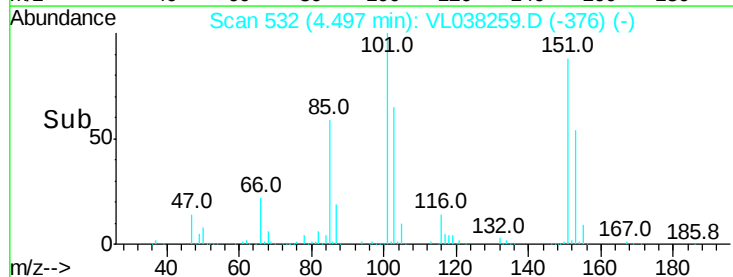
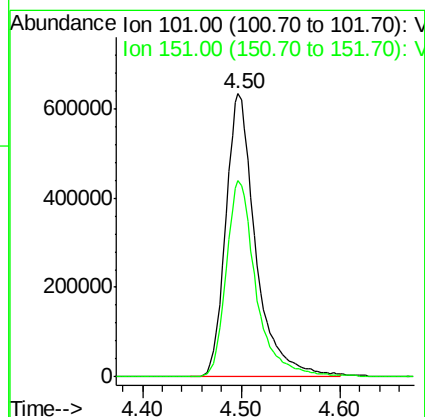
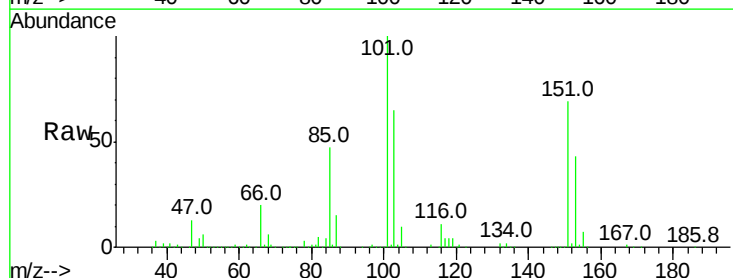
#11
 Trichlorofluoromethane
 Concen: 12.605 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDIC0015
 Acq: 24 Jan 2022 13:14

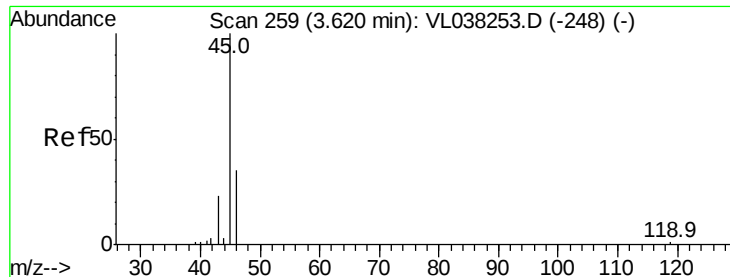
Tgt Ion:101 Resp: 1824998
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.346 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T.: 0.00 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

Tgt Ion:101 Resp: 1350070
 Ion Ratio Lower Upper
 101 100
 151 69.5 55.3 82.9





#13

Ethanol

Concen: 6.621 ppbv

RT: 3.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

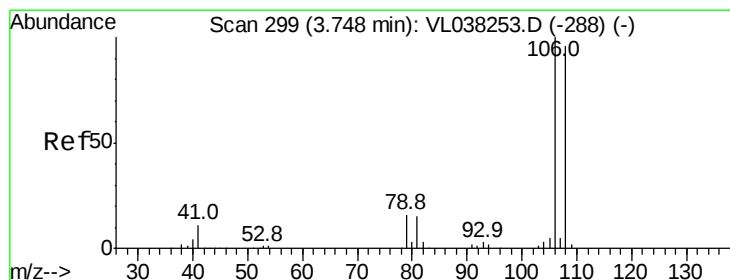
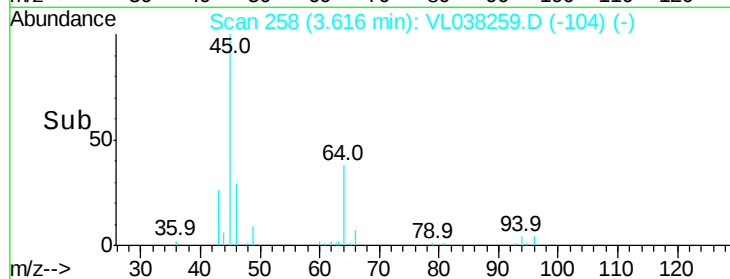
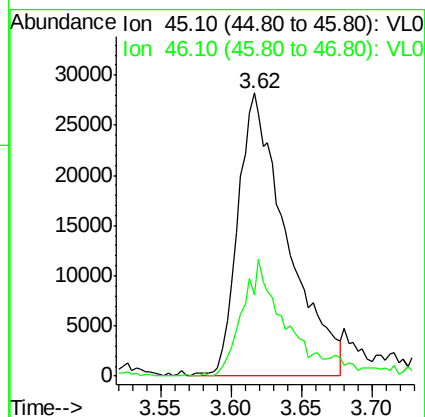
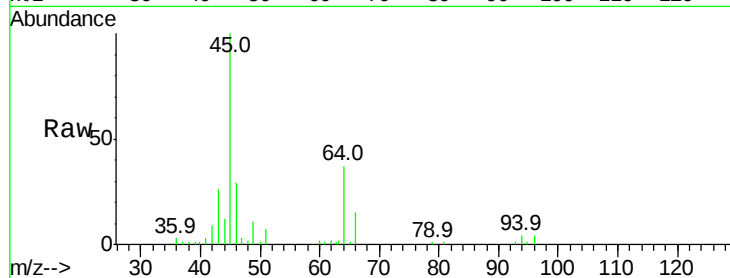
Acq: 24 Jan 2022 13:14 VSTDIC015

Tgt Ion: 45 Resp: 68520

Ion Ratio Lower Upper

45 100

46 40.6 15.4 61.6



#14

Bromoethene

Concen: 12.959 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

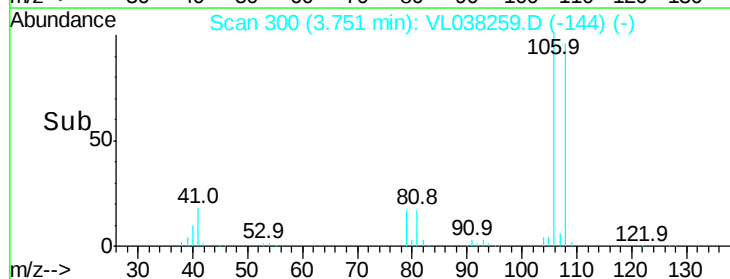
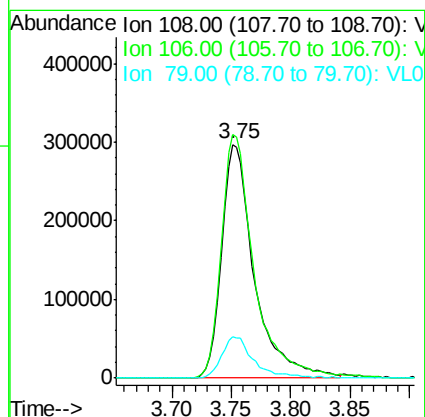
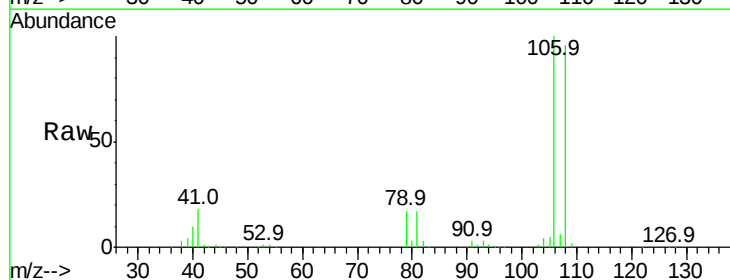
Tgt Ion: 108 Resp: 564585

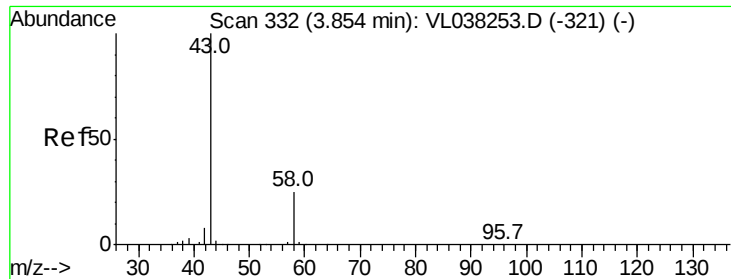
Ion Ratio Lower Upper

108 100

106 105.8 86.4 129.6

79 18.1 14.1 21.1





#15

Acetone

Concen: 10.796 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

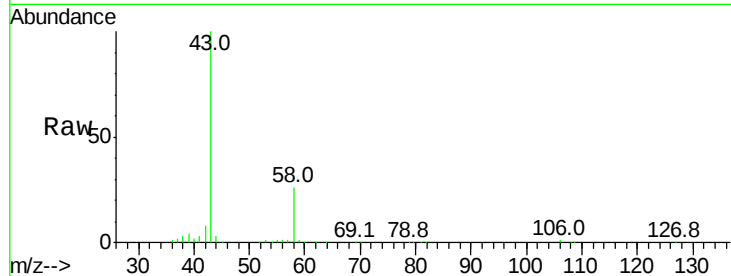
Acq: 24 Jan 2022 13:14

Tgt Ion: 43 Resp: 906464

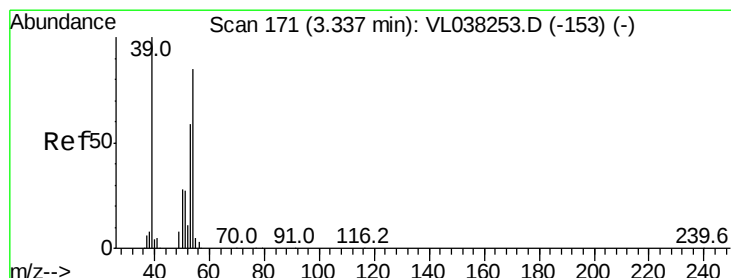
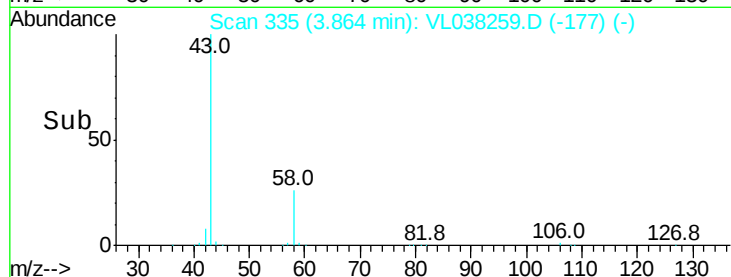
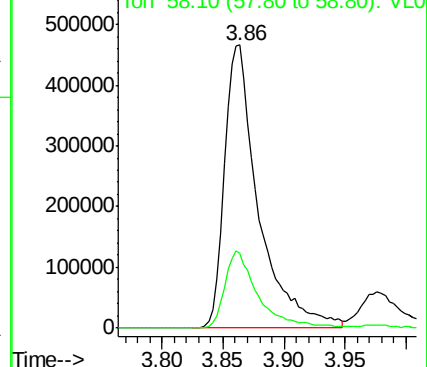
Ion Ratio Lower Upper

43 100

58 26.9 21.5 32.3



Abundance Ion 43.10 (42.80 to 43.80): VL0



#16

1,3-Butadiene

Concen: 12.566 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.00 min

Lab File: VL038259.D

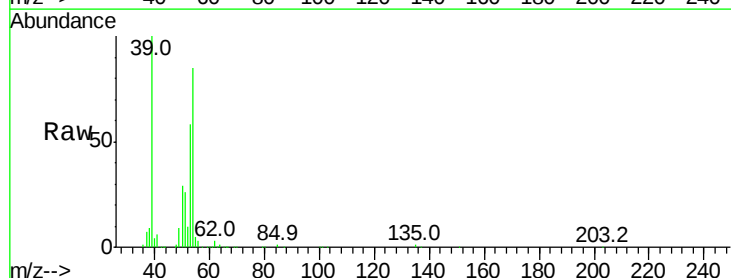
Acq: 24 Jan 2022 13:14

Tgt Ion: 39 Resp: 718783

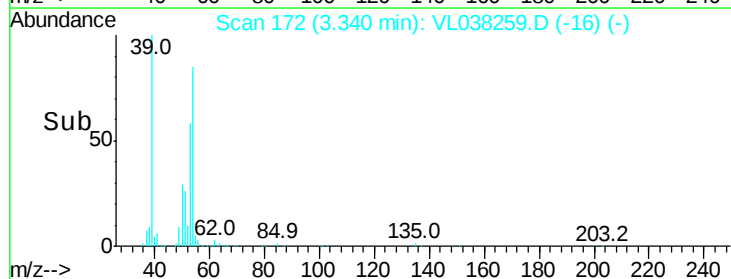
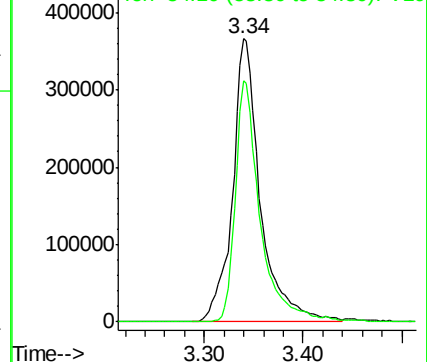
Ion Ratio Lower Upper

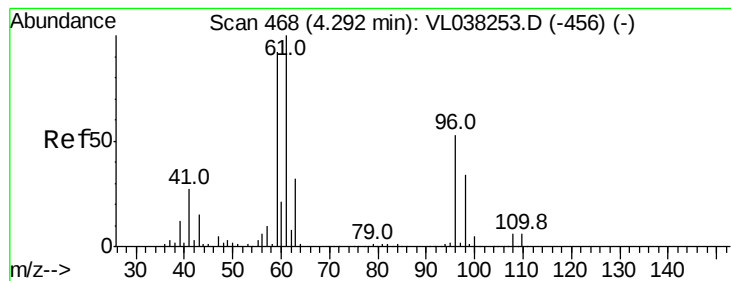
39 100

54 76.7 62.6 94.0



Abundance Ion 39.10 (38.80 to 39.80): VL0





#17

tert-Butyl alcohol

Concen: 10.088 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

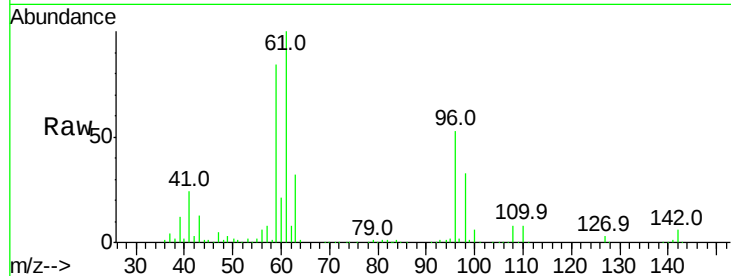
Acq: 24 Jan 2022 13:14 VSTDIC015

Tgt Ion: 59 Resp: 930306

Ion Ratio Lower Upper

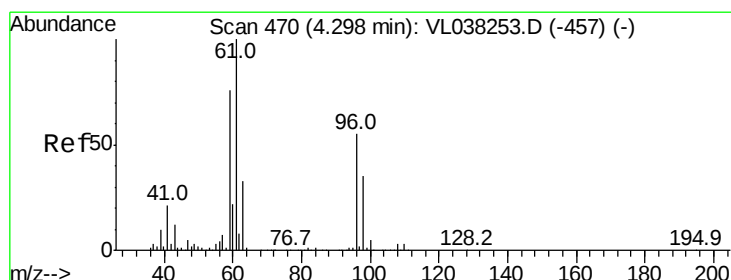
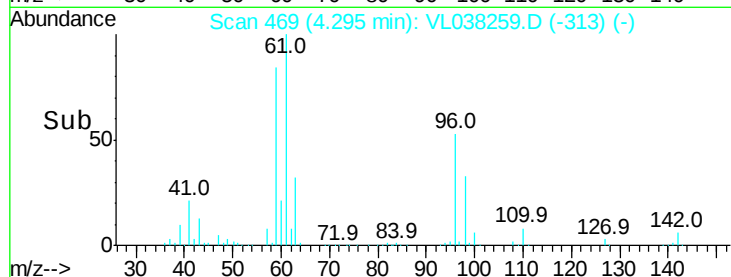
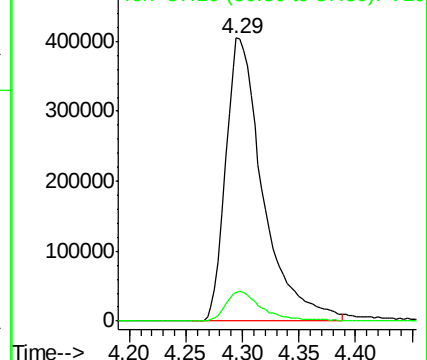
59 100

57 10.4 9.2 13.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 12.288 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.00 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

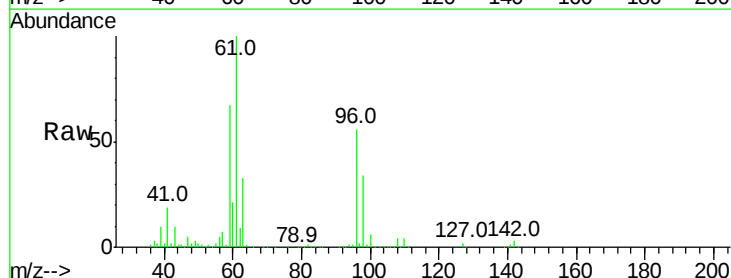
Tgt Ion: 96 Resp: 588508

Ion Ratio Lower Upper

96 100

61 179.6 146.5 219.7

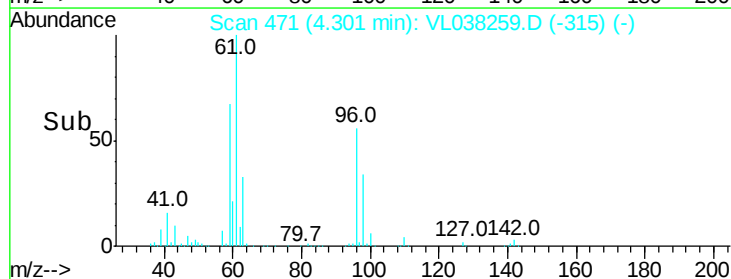
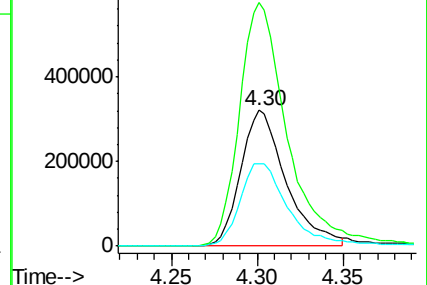
98 60.7 51.9 77.9

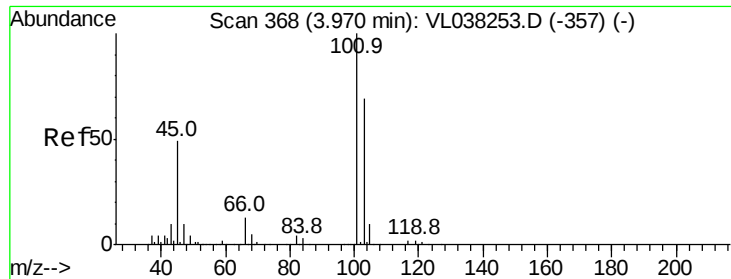


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.695 ppbv

RT: 3.98 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC015

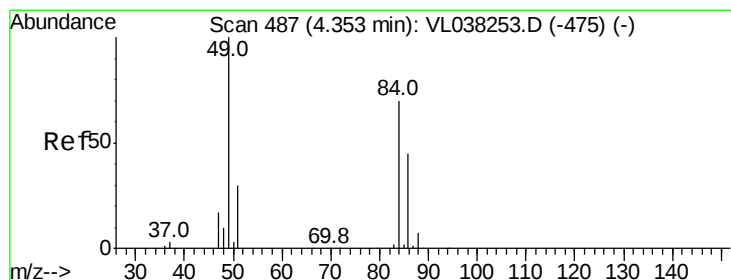
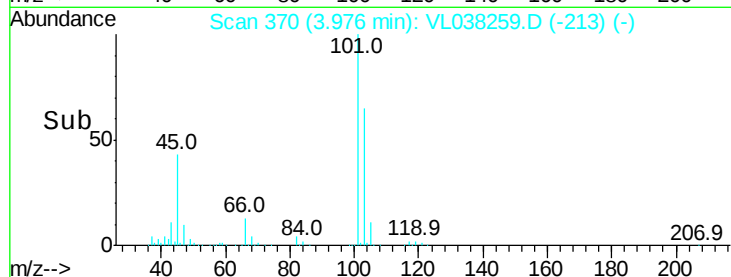
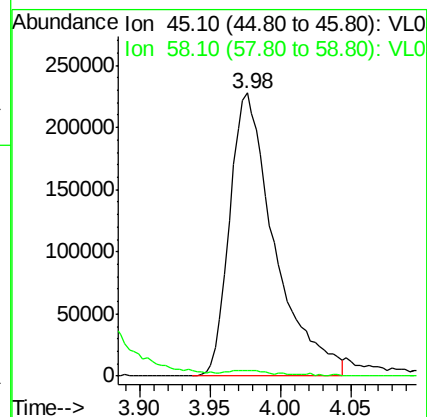
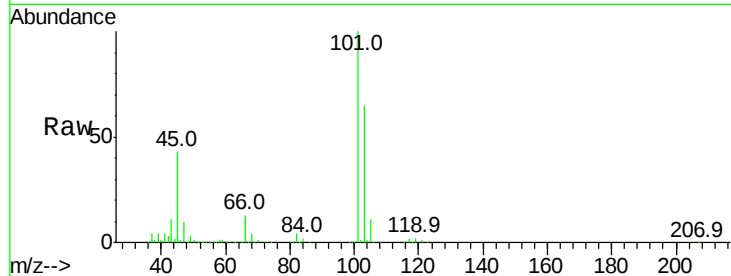
Acq: 24 Jan 2022 13:14

Tgt Ion: 45 Resp: 507721

Ion Ratio Lower Upper

45 100

58 2.9 2.3 3.5



#20

Methylene Chloride

Concen: 10.334 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

Tgt Ion: 84 Resp: 489886

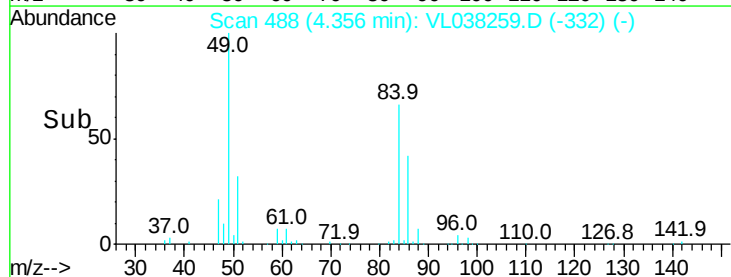
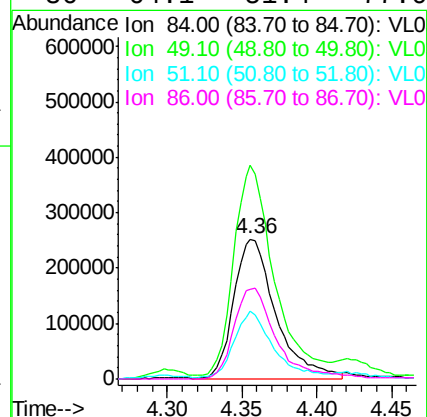
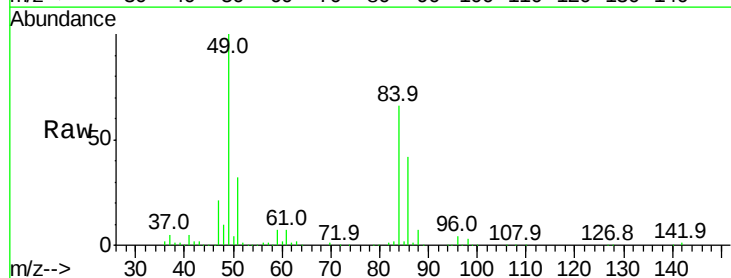
Ion Ratio Lower Upper

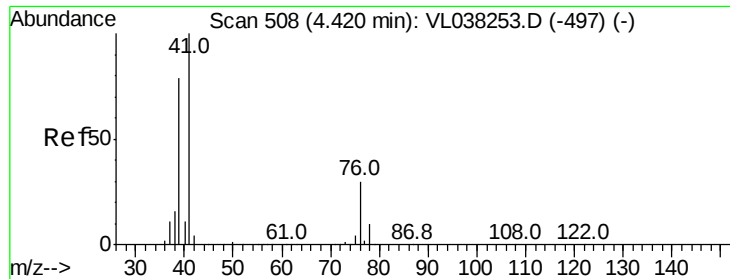
84 100

49 150.6 115.0 172.6

51 47.0 35.0 52.6

86 64.1 51.4 77.0





#21

Allyl Chloride

Concen: 12.776 ppbv

RT: 4.42

Instrument: MSVOA_1

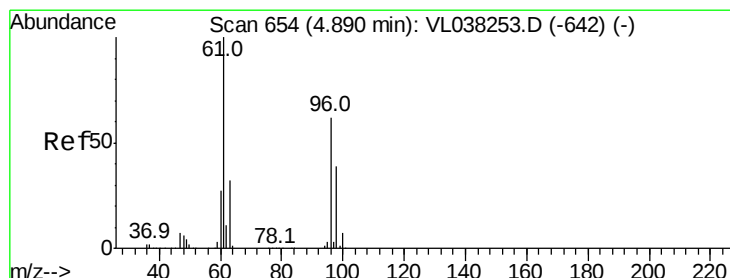
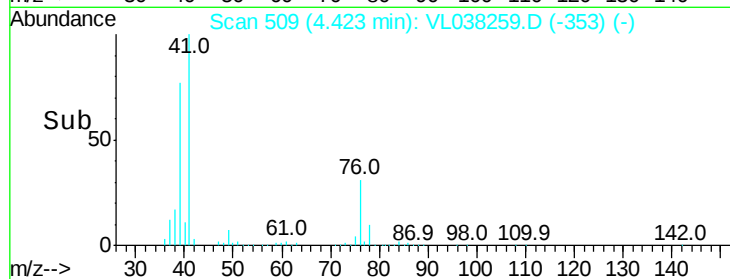
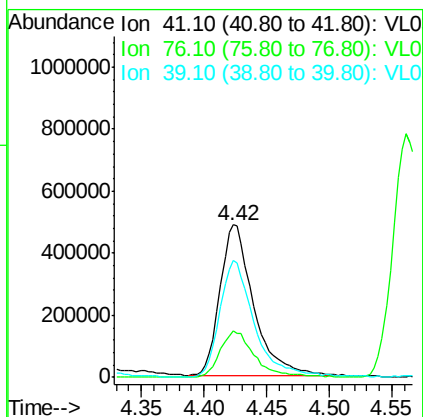
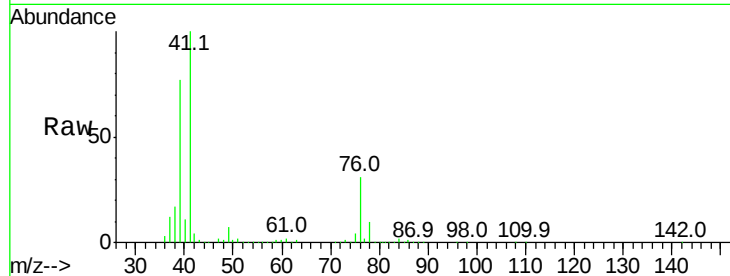
Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDIC015

Acq: 24 Jan 2022 13:14

Tgt Ion: 41 Resp: 907427

Ion	Ratio	Lower	Upper
41	100		
76	31.8	25.0	37.6
39	78.4	63.0	94.6



#22

trans-1,2-Dichloroethene

Concen: 13.041 ppbv

RT: 4.90 min Scan# 656

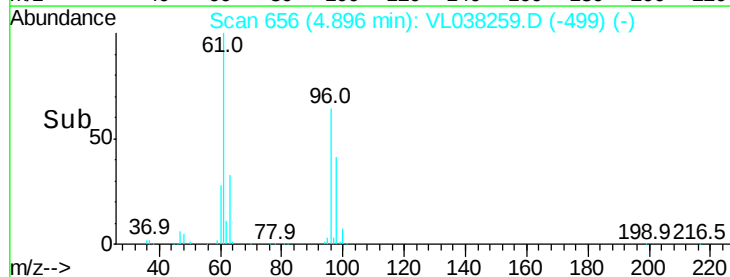
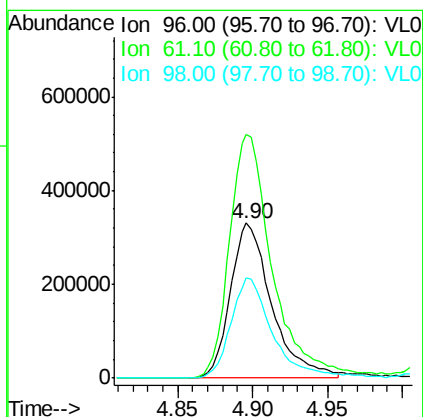
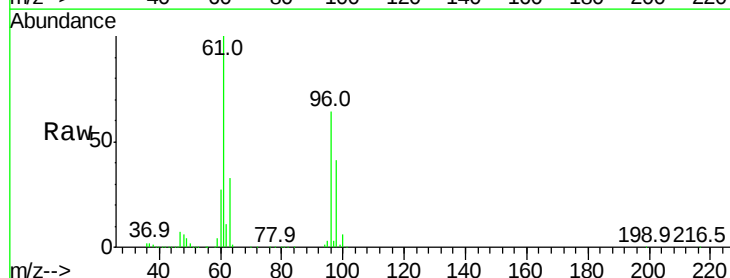
Delta R.T. 0.01 min

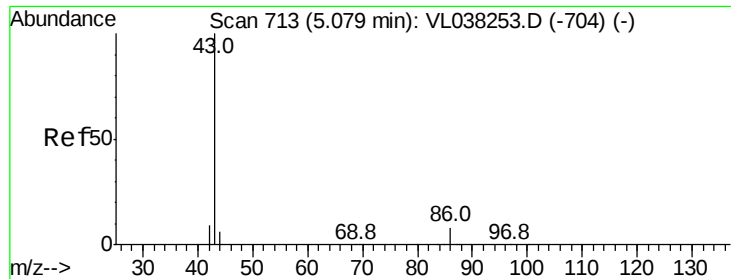
Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

Tgt Ion: 96 Resp: 637235

Ion	Ratio	Lower	Upper
96	100		
61	157.2	128.8	193.2
98	64.5	49.8	74.8

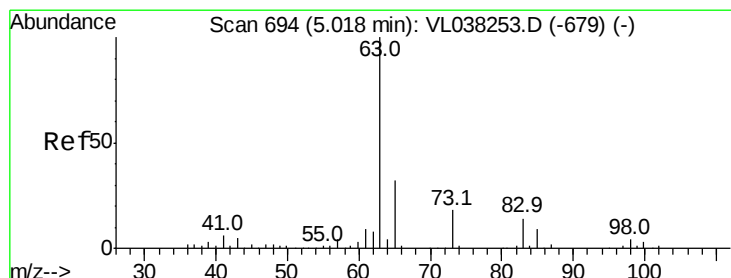
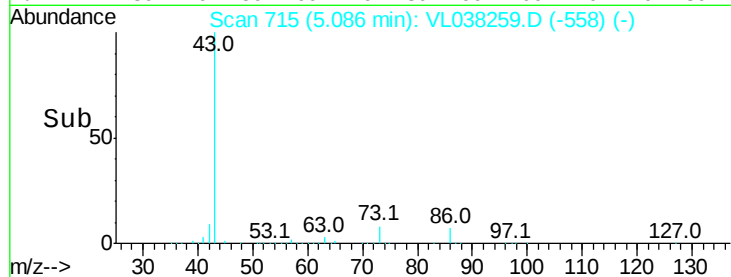
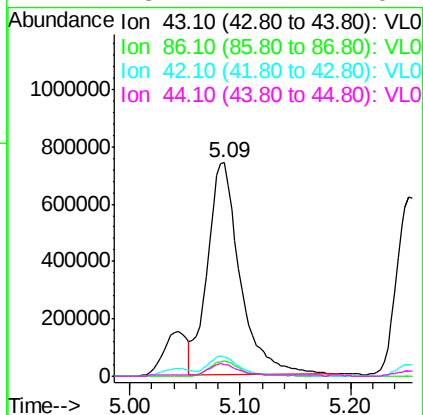
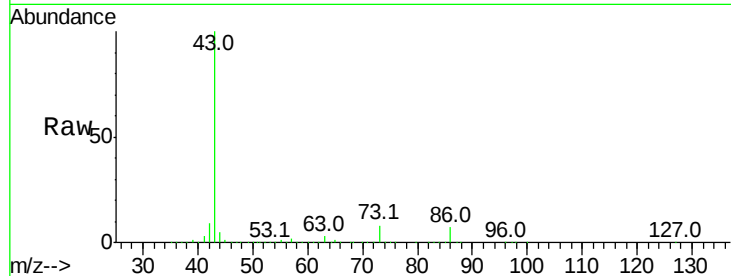




#23
 Vinyl Acetate
 Concen: 13.303 ppbv
 RT: 5.09
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 24 Jan 2022 13:14

Tgt Ion: 43 Resp: 1512449

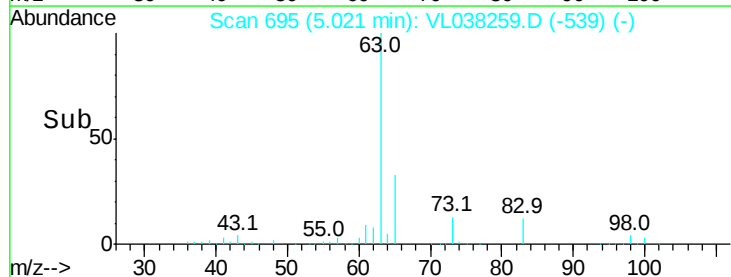
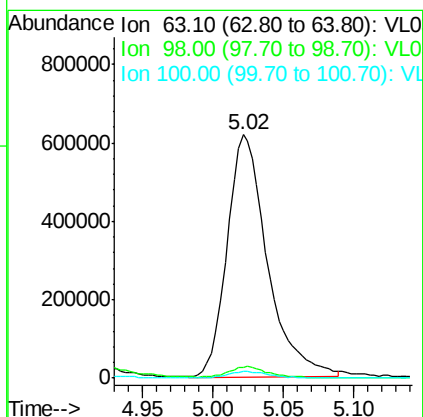
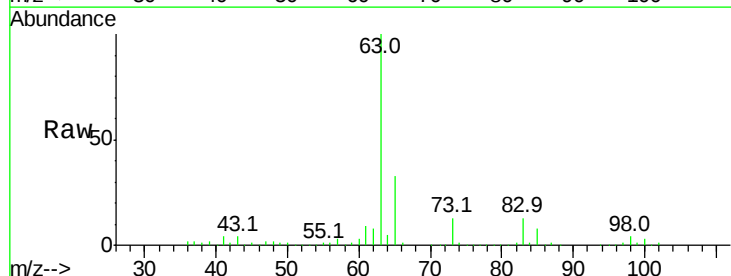
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.7	8.5
42	8.9	7.7	11.5
44	5.1	4.2	6.4

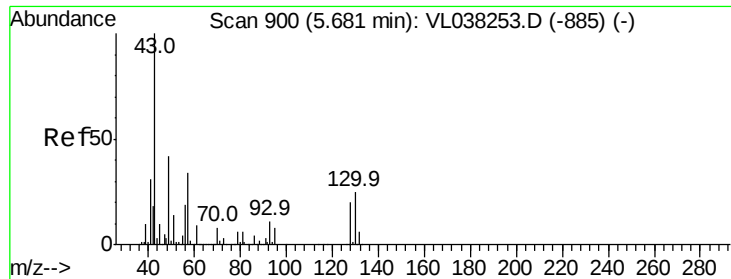


#24
 1,1-Dichloroethane
 Concen: 12.150 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

Tgt Ion: 63 Resp: 1235362

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	2.8	1.3	3.9





#25

Ethyl Acetate

Concen: 12.651 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VSTDIC015

Acq: 24 Jan 2022 13:14

Tgt Ion: 43 Resp: 2877888

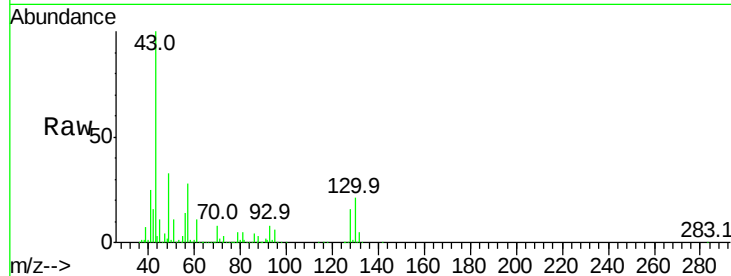
Ion Ratio Lower Upper

43 100

45 9.8 7.9 11.9

61 9.5 7.8 11.8

70 6.6 5.4 8.0

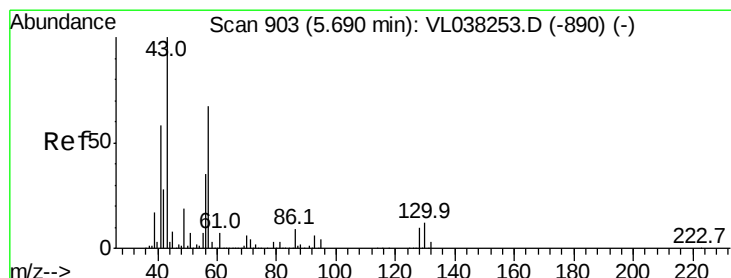
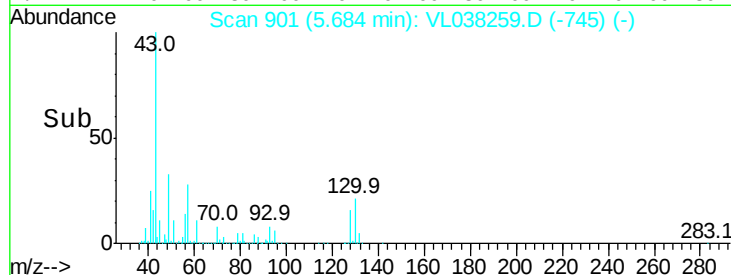
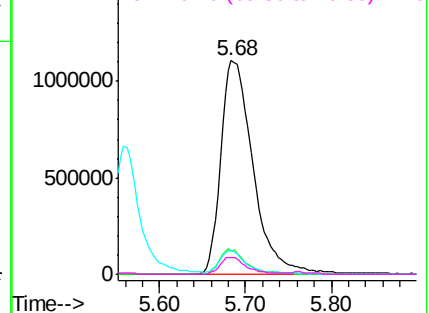


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.590 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

Tgt Ion: 57 Resp: 1322840

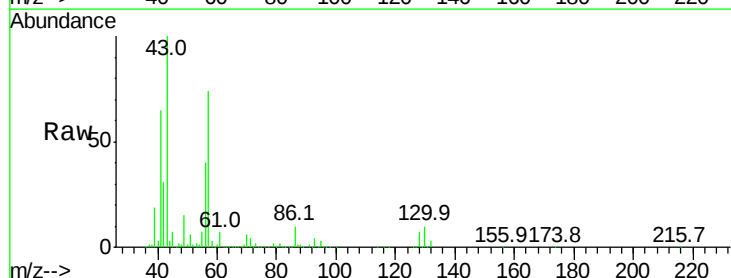
Ion Ratio Lower Upper

57 100

41 89.3 72.8 109.2

43 218.7 177.0 265.6

56 52.9 43.3 64.9

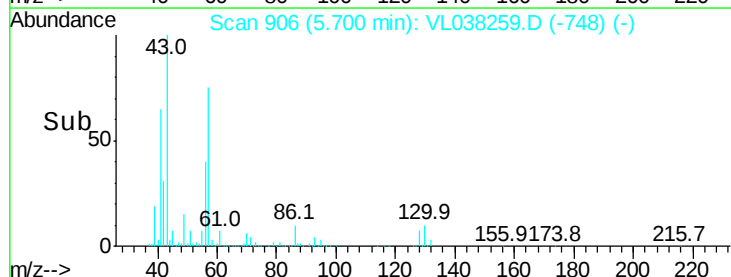
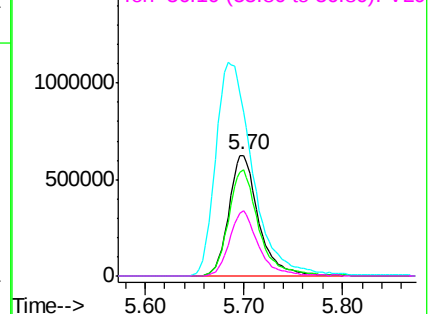


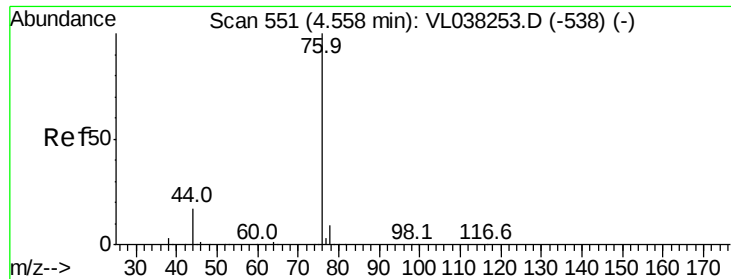
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 15.559 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 24 Jan 2022 13:14 VSTDIC015

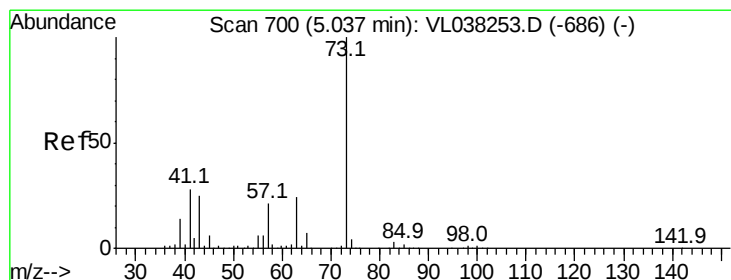
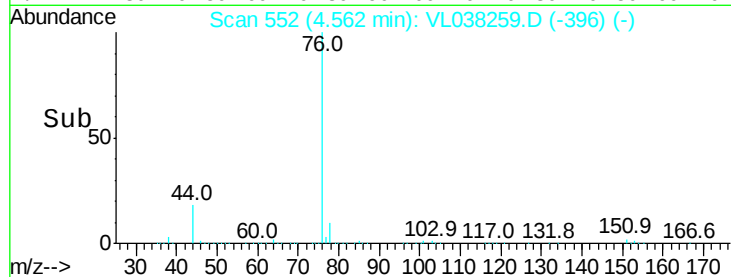
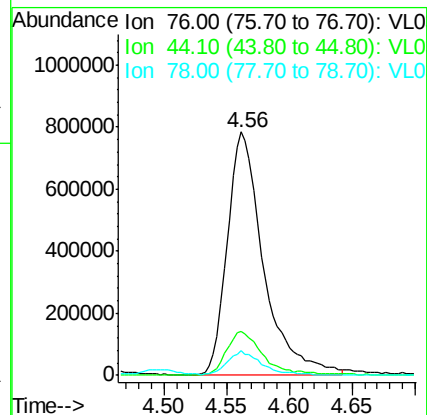
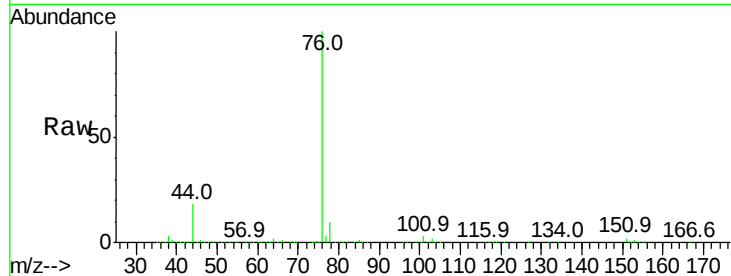
Tgt Ion: 76 Resp: 1563211

Ion Ratio Lower Upper

76 100

44 19.6 14.8 22.2

78 9.9 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 11.504 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL038259.D

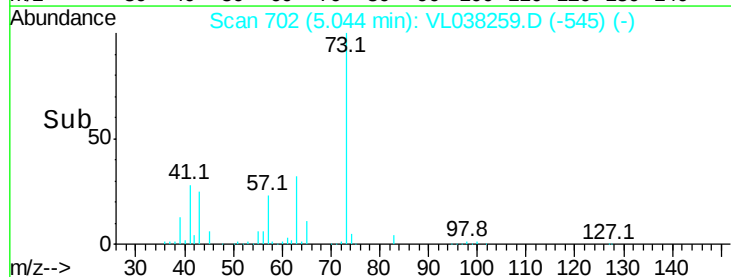
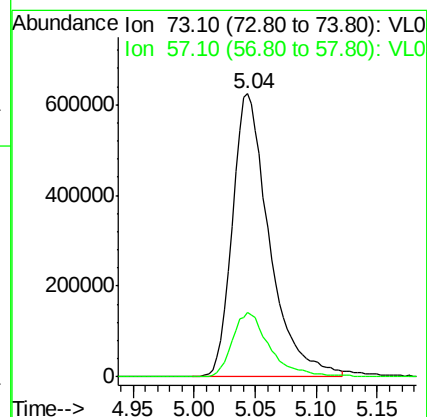
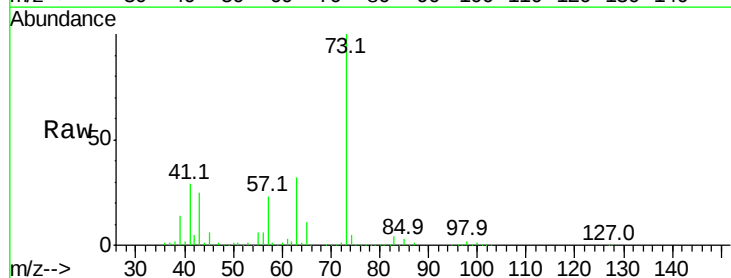
Acq: 24 Jan 2022 13:14

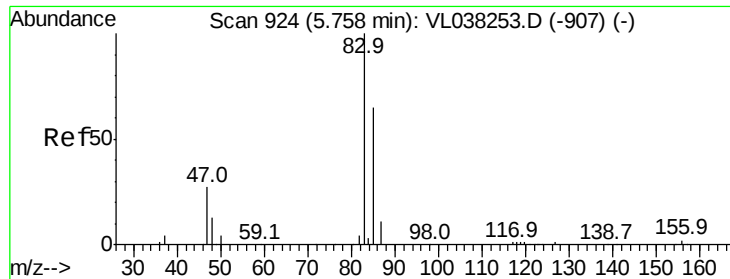
Tgt Ion: 73 Resp: 1319452

Ion Ratio Lower Upper

73 100

57 23.2 18.2 27.4





#29

Chloroform

Concen: 12.571 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

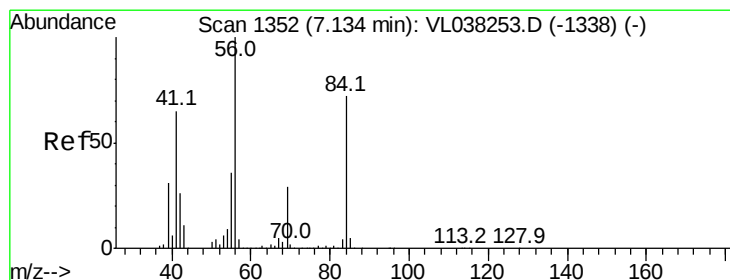
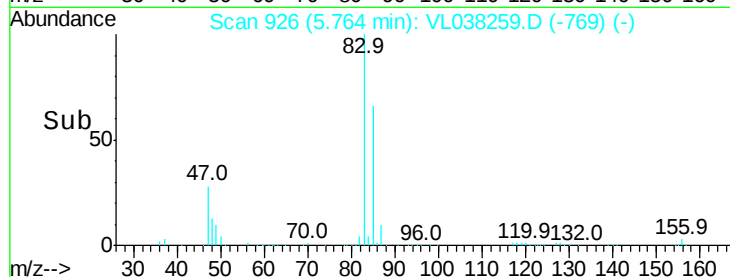
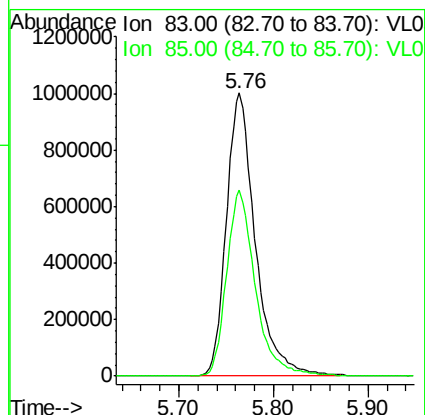
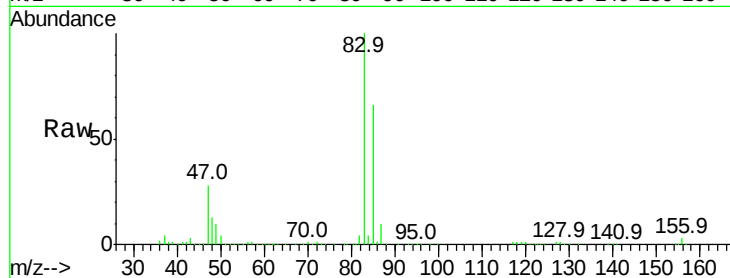
Acq: 24 Jan 2022 13:14 VSTDIC015

Tgt Ion: 83 Resp: 2129108

Ion Ratio Lower Upper

83 100

85 65.4 51.9 77.9



#30

Cyclohexane

Concen: 10.995 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.01 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

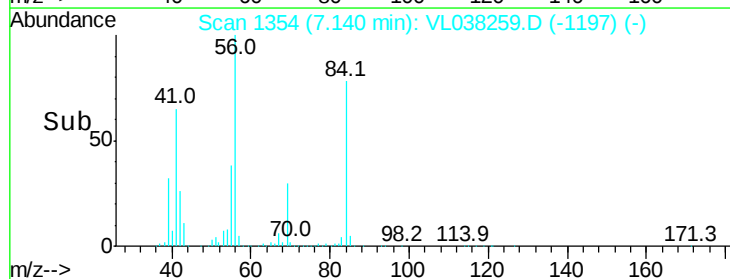
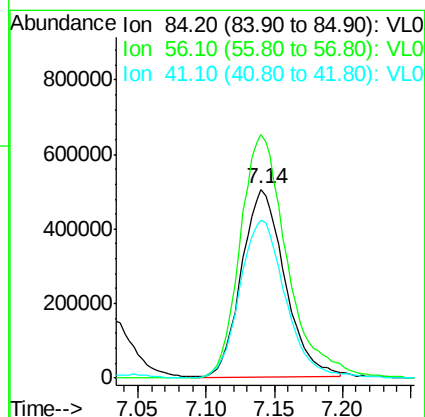
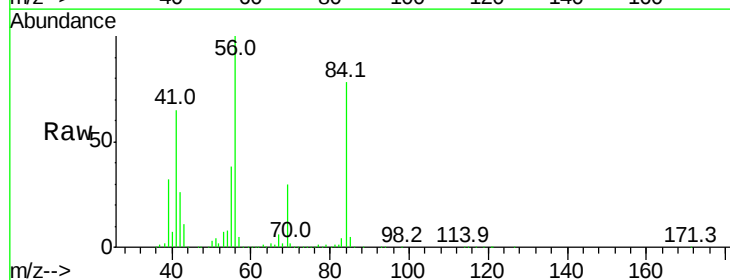
Tgt Ion: 84 Resp: 1111448

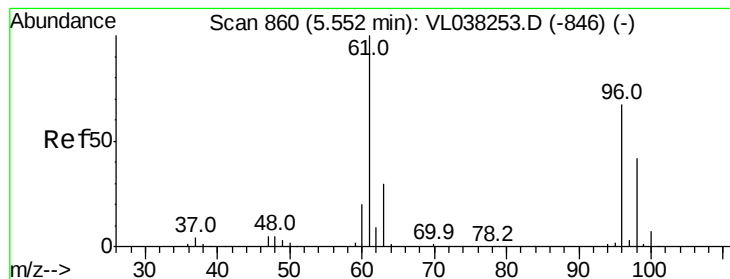
Ion Ratio Lower Upper

84 100

56 141.1 112.7 169.1

41 89.2 71.1 106.7





#31

cis-1,2-Dichloroethene

Concen: 15.349 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 24 Jan 2022 13:14

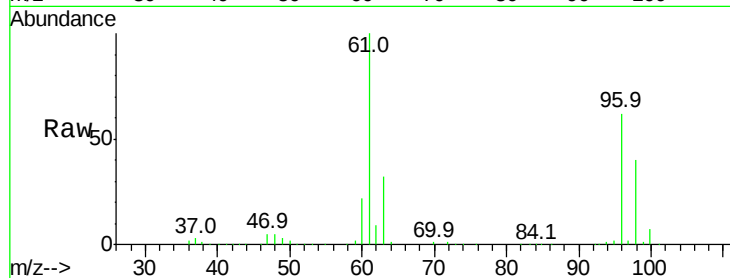
Tgt Ion: 61 Resp: 1373886

Ion Ratio Lower Upper

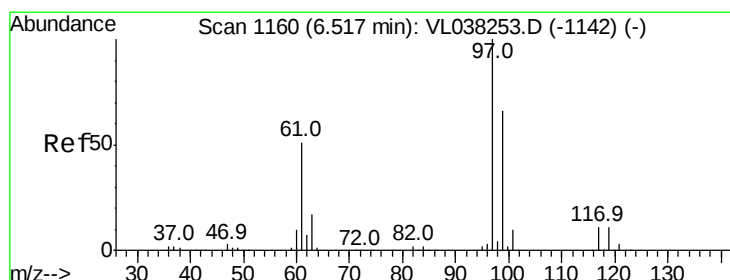
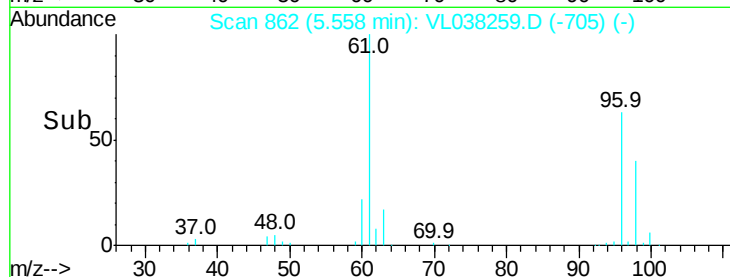
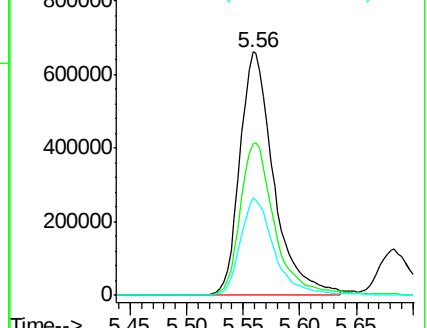
61 100

96 62.2 53.3 79.9

98 40.0 33.7 50.5



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



#32

1,1,1-Trichloroethane

Concen: 12.421 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

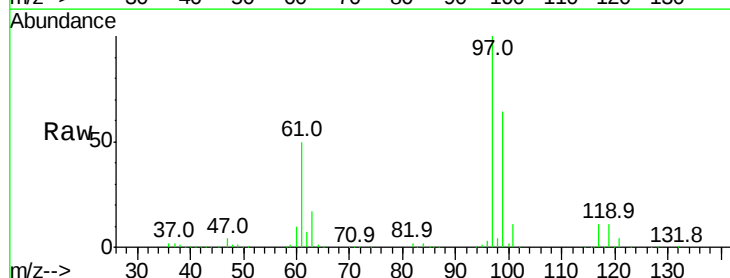
Tgt Ion: 97 Resp: 2087274

Ion Ratio Lower Upper

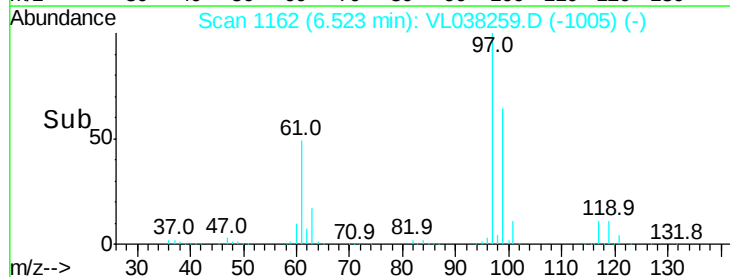
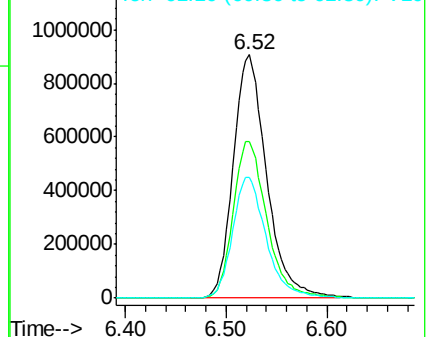
97 100

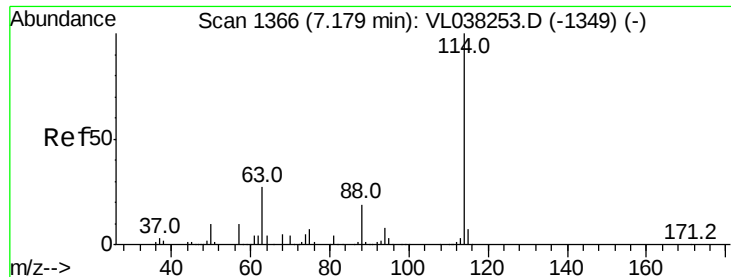
99 65.1 51.5 77.3

61 50.1 40.5 60.7



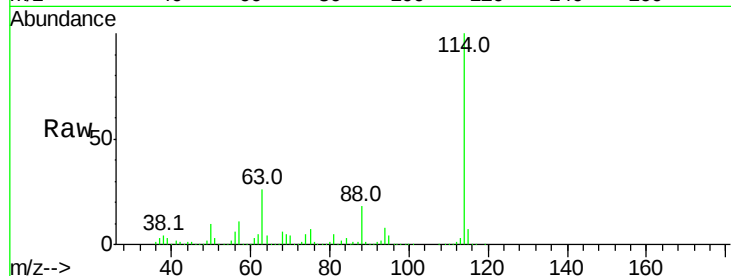
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



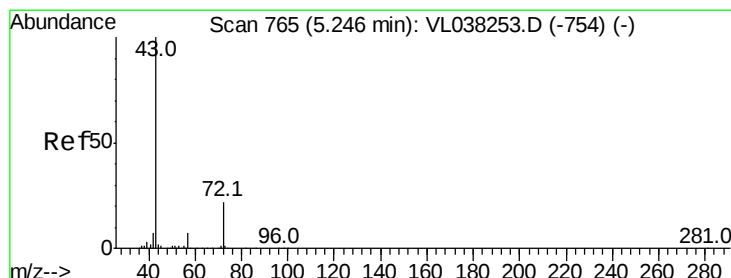
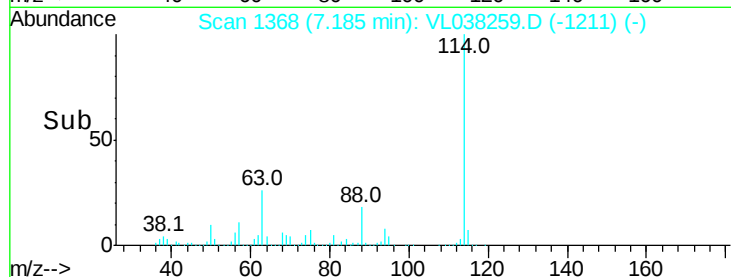
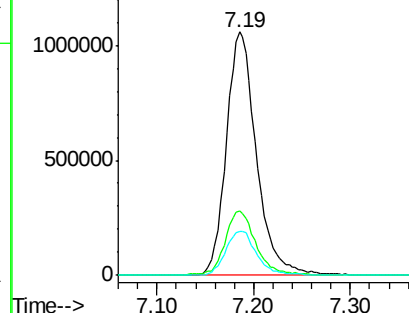


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 24 Jan 2022 13:14

Tgt Ion: 114 Resp: 2284719
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.0 33.0
 88 18.8 15.0 22.6

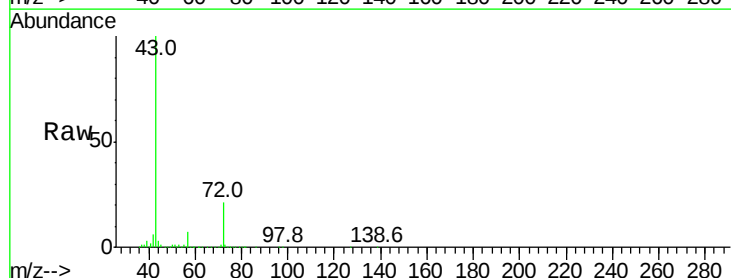


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

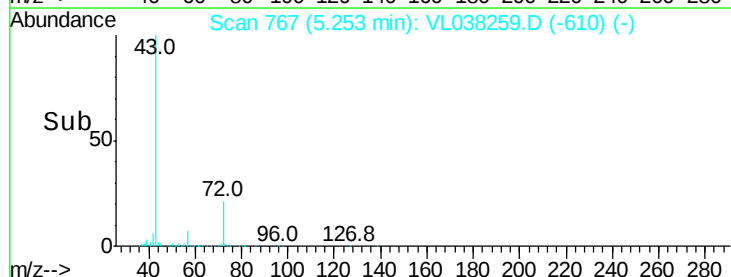
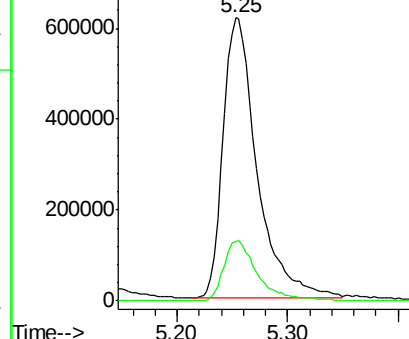


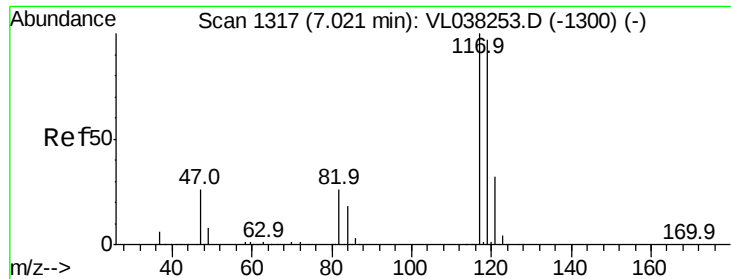
#34
 2-Butanone
 Concen: 19.321 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

Tgt Ion: 43 Resp: 1326793
 Ion Ratio Lower Upper
 43 100
 72 21.9 18.1 27.1



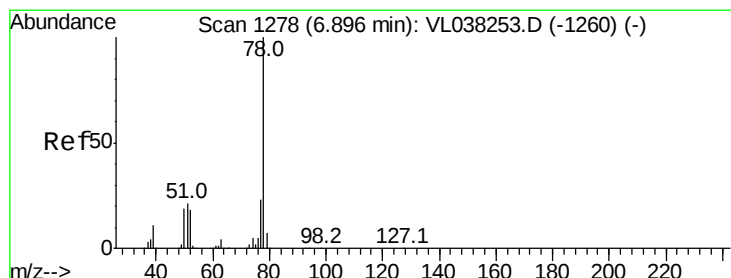
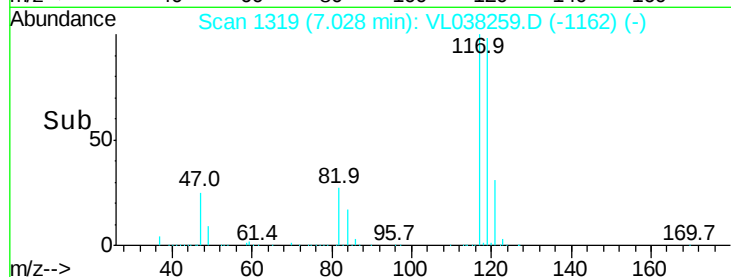
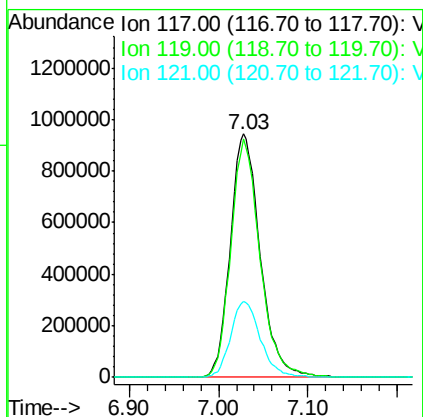
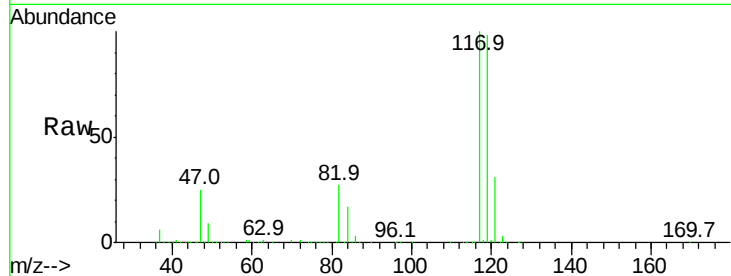
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





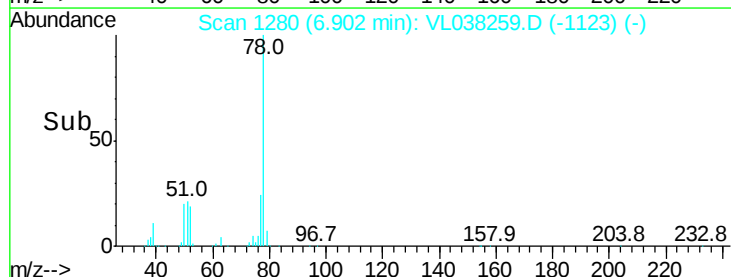
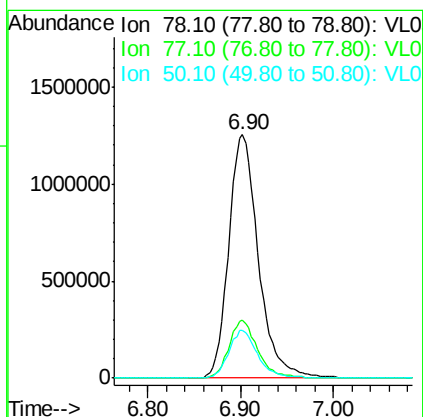
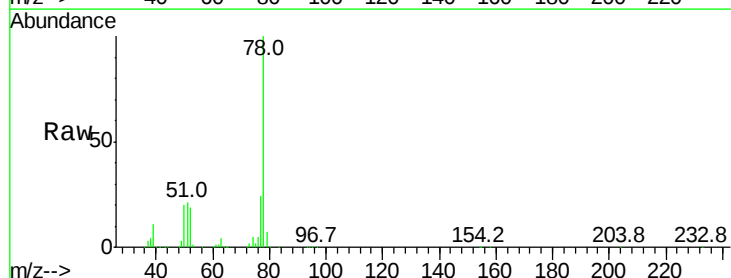
#35
Carbon Tetrachloride
Concen: 15.514 ppbv
RT: 7.03
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC015
Acq: 24 Jan 2022 13:14

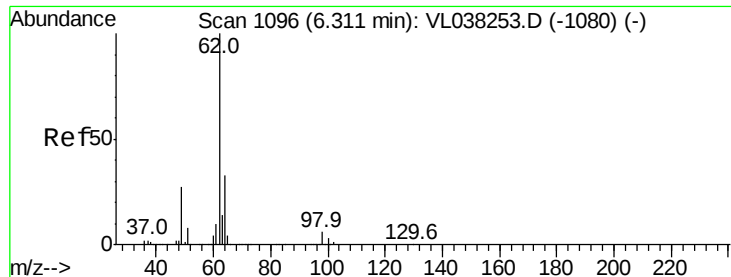
Tgt Ion:117 Resp: 2187930
Ion Ratio Lower Upper
117 100
119 98.0 77.9 116.9
121 31.3 25.4 38.2



#36
Benzene
Concen: 13.053 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.01 min
Lab File: VL038259.D
Acq: 24 Jan 2022 13:14

Tgt Ion: 78 Resp: 2781638
Ion Ratio Lower Upper
78 100
77 24.0 18.2 27.2
50 19.6 15.1 22.7





#37

1,2-Dichloroethane

Concen: 15.223 ppbv

RT: 6.32 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC015

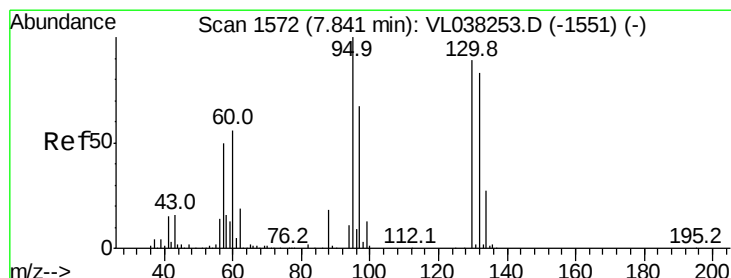
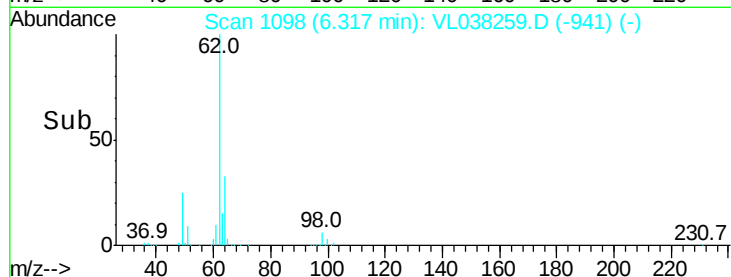
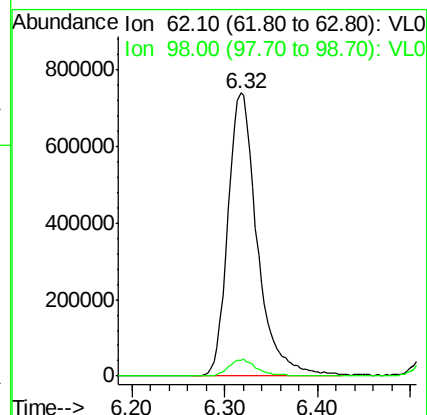
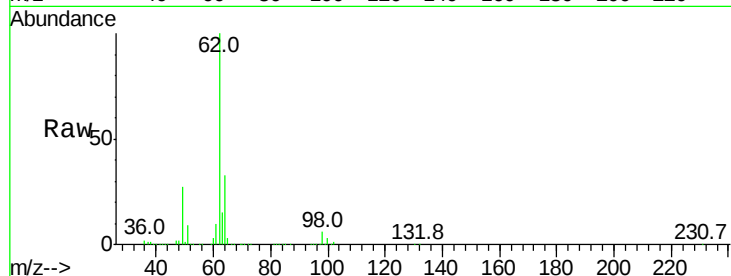
Acq: 24 Jan 2022 13:14

Tgt Ion: 62 Resp: 1627877

Ion Ratio Lower Upper

62 100

98 5.9 4.5 6.7



#38

Trichloroethene

Concen: 12.200 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

Tgt Ion: 130 Resp: 989469

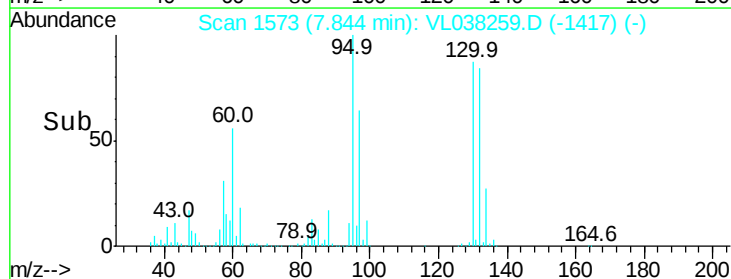
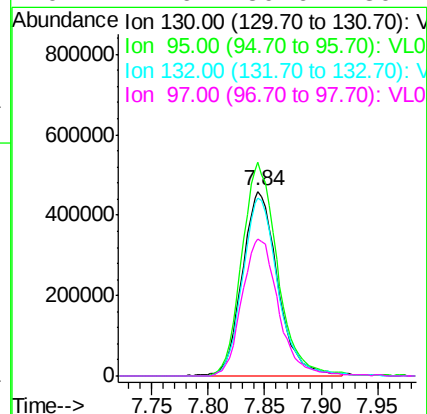
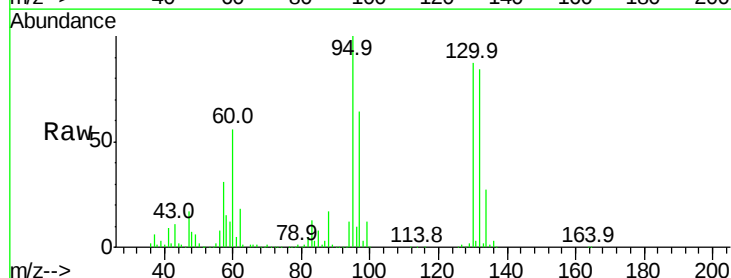
Ion Ratio Lower Upper

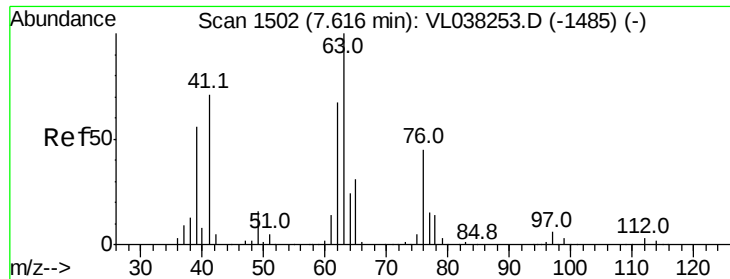
130 100

95 115.9 89.4 134.2

132 96.9 74.6 111.8

97 74.6 59.6 89.4





#39

1,2-Dichloropropane

Concen: 13.470 ppbv

RT: 7.62

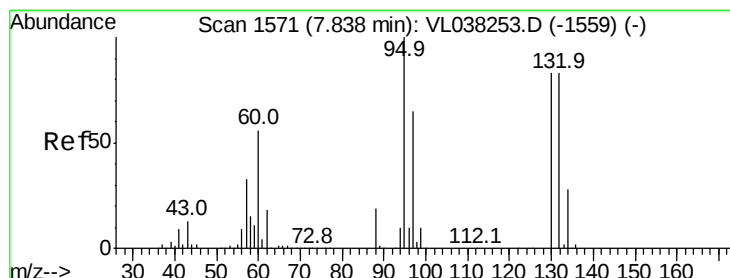
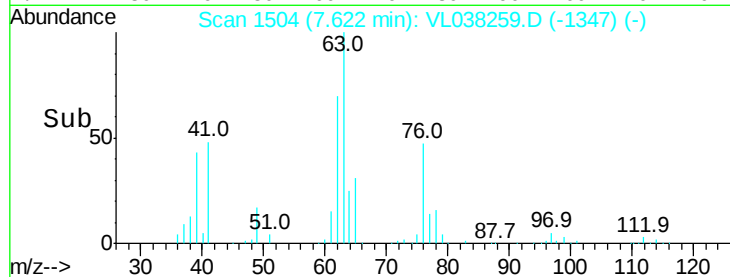
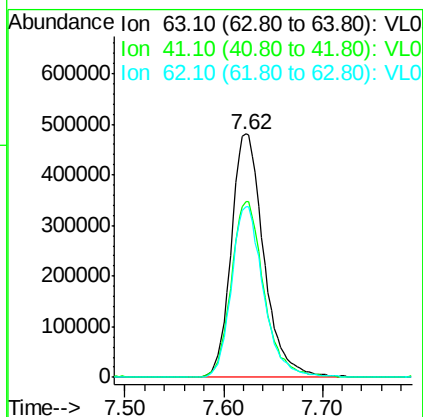
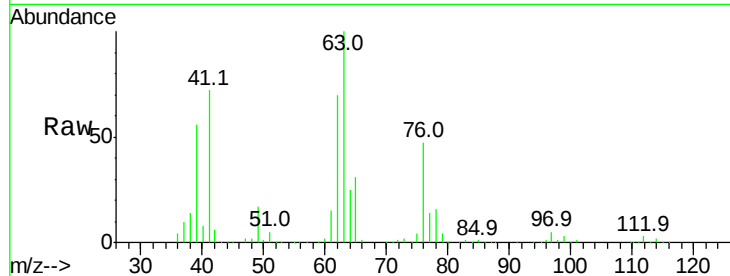
Delta R.T. MSVOA_L

Lab File: ClientSampleId : VSTDIC015

Acq: 24 Jan 2022 13:14

Tgt Ion: 63 Resp: 1104786

Ion	Ratio	Lower	Upper
63	100		
41	71.9	56.6	85.0
62	70.0	53.9	80.9



#40

1,4-Dioxane

Concen: 10.307 ppbv

RT: 7.84 min Scan# 1571

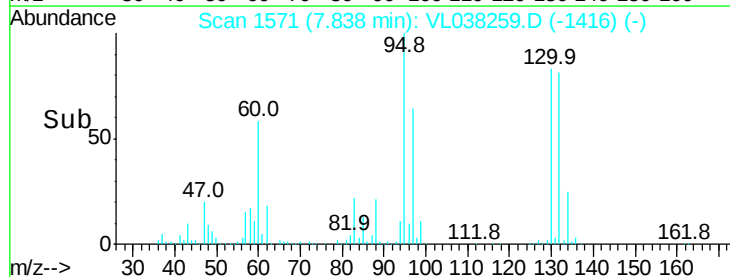
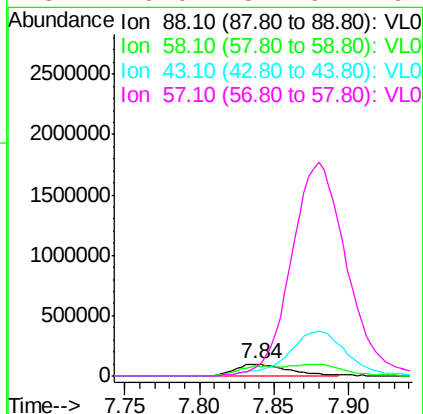
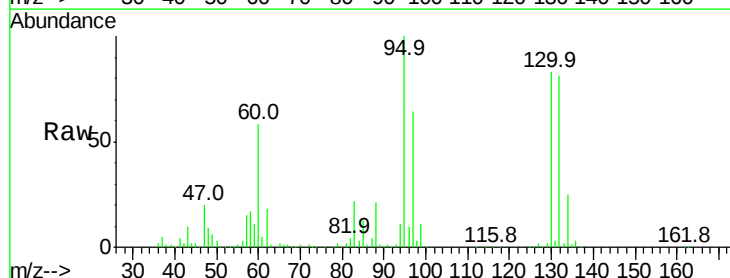
Delta R.T. -0.00 min

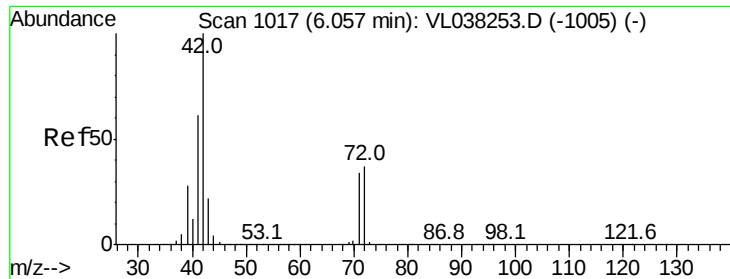
Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

Tgt Ion: 88 Resp: 245916

Ion	Ratio	Lower	Upper
88	100		
58	0.0	138.6	208.0#
43	0.0	346.9	520.3#
57	0.0	1527.9	2291.9#





#41

Tetrahydrofuran

Concen: 14.606 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 24 Jan 2022 13:14

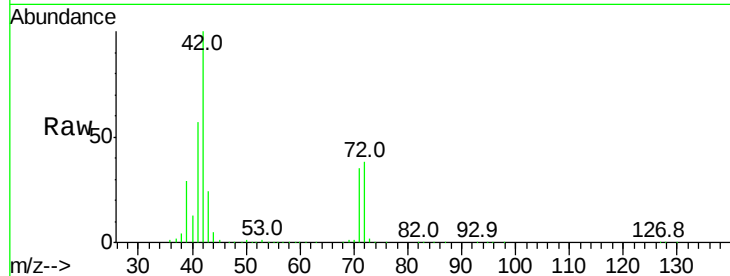
Tgt Ion: 42 Resp: 734652

Ion Ratio Lower Upper

42 100

72 37.0 29.7 44.5

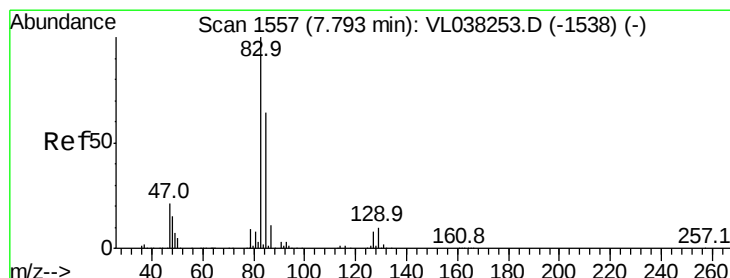
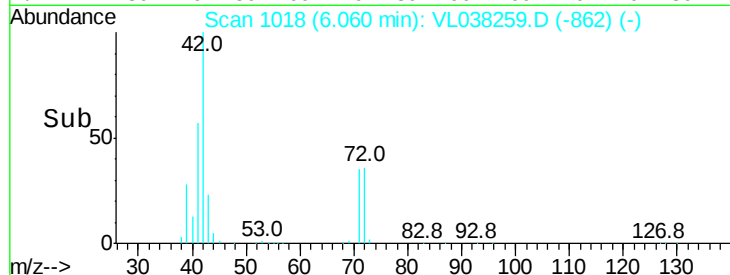
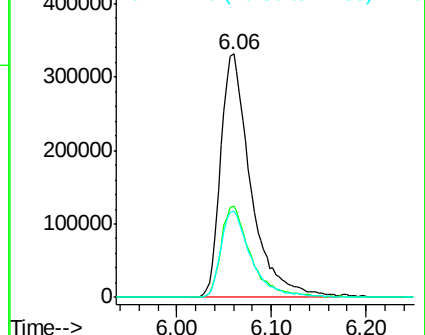
71 35.5 29.4 44.2



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: 15.368 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

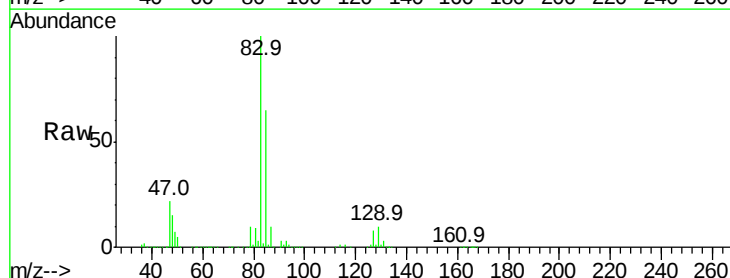
Tgt Ion: 83 Resp: 2338260

Ion Ratio Lower Upper

83 100

85 65.0 51.5 77.3

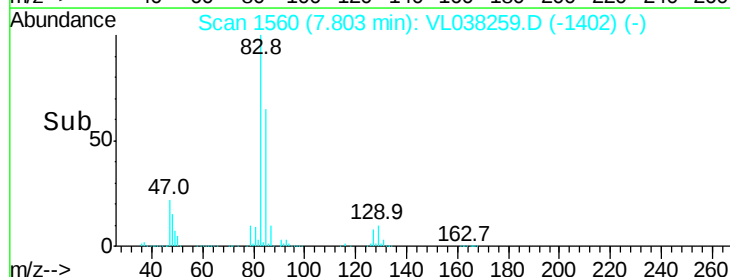
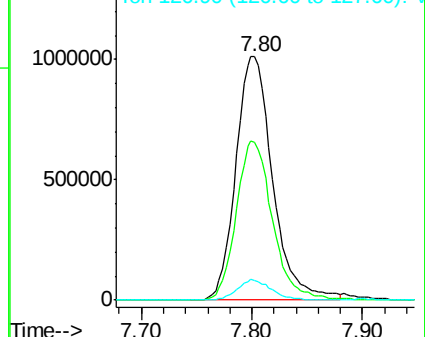
127 8.2 6.2 9.4

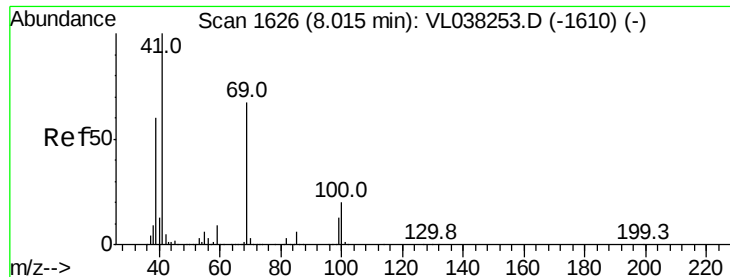


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

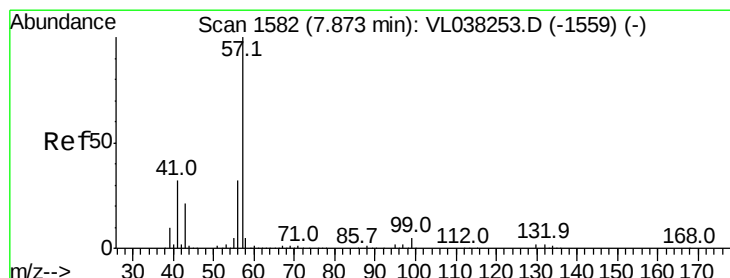
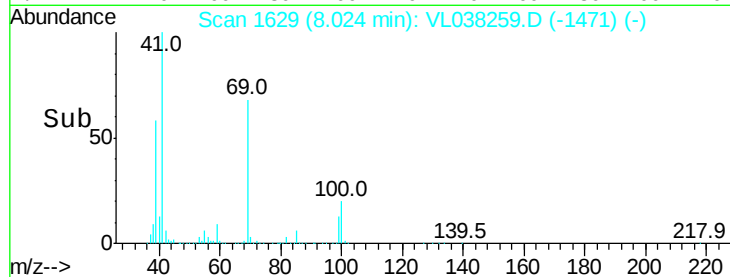
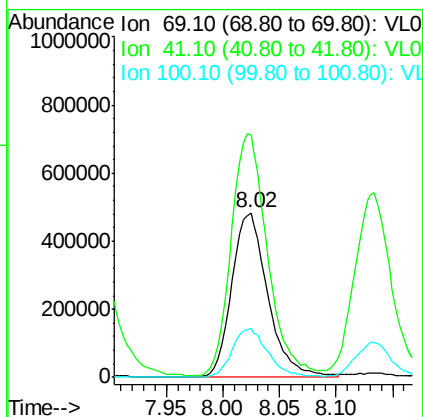
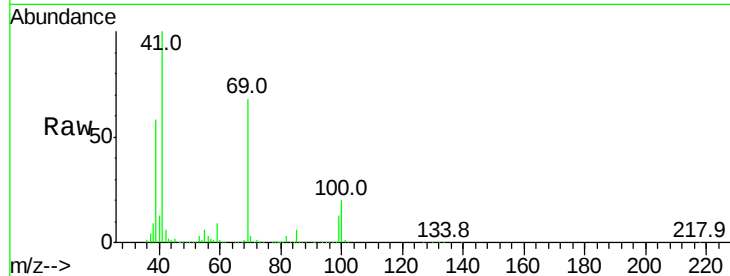




#43
Methyl Methacrylate
Concen: 14.663 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDIC015
Acq: 24 Jan 2022 13:14

Tgt Ion: 69 Resp: 1075410

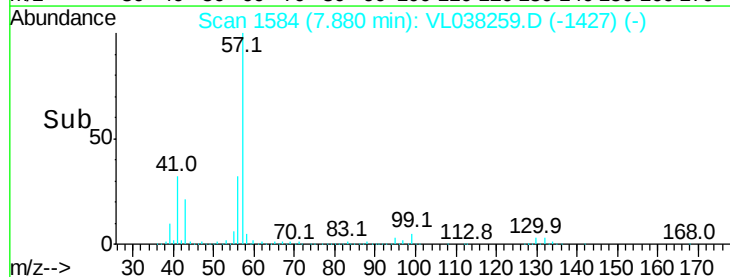
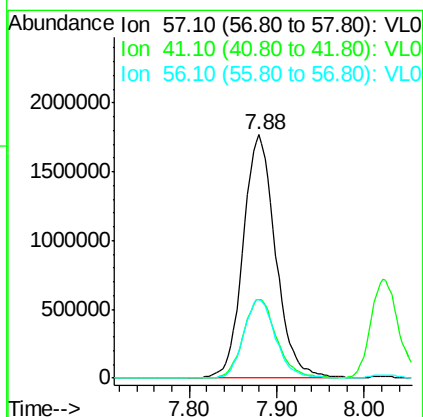
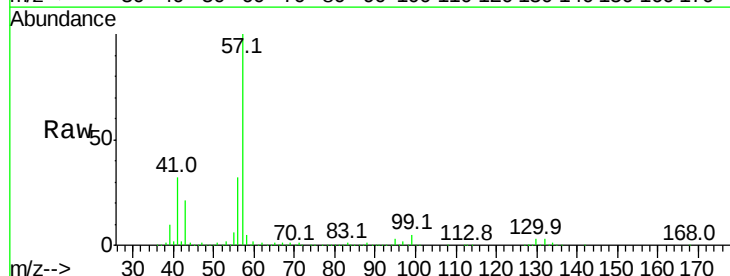
Ion	Ratio	Lower	Upper
69	100		
41	148.9	120.9	181.3
100	29.6	23.4	35.0

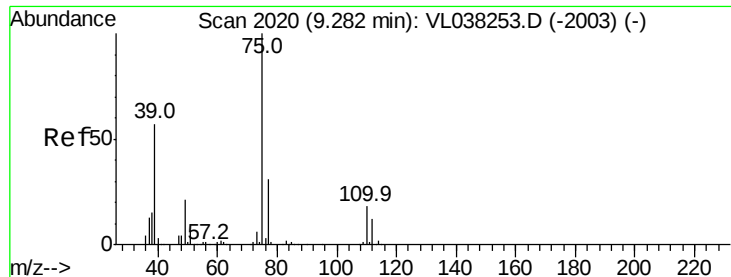


#44
2,2,4-Trimethylpentane
Concen: 12.586 ppbv
RT: 7.88 min Scan# 1584
Delta R.T.: 0.01 min
Lab File: VL038259.D
Acq: 24 Jan 2022 13:14

Tgt Ion: 57 Resp: 4556173

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.3	39.5
56	31.9	25.2	37.8





#45

t-1,3-Dichloropropene

Concen: 18.443 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

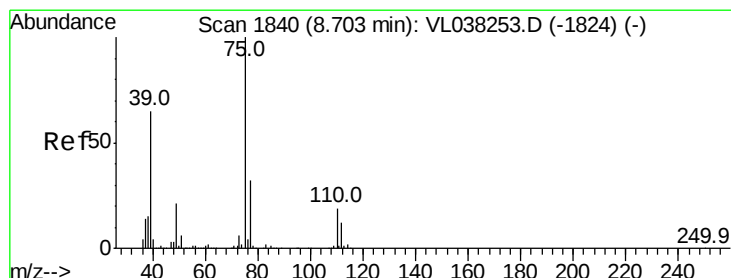
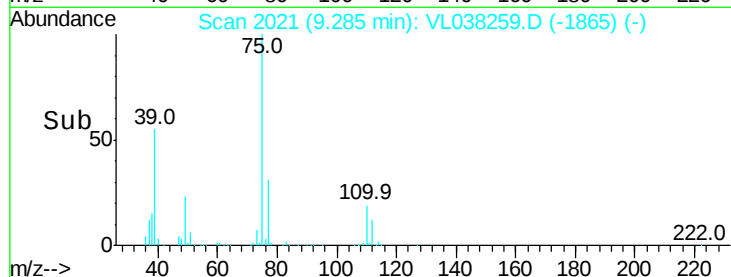
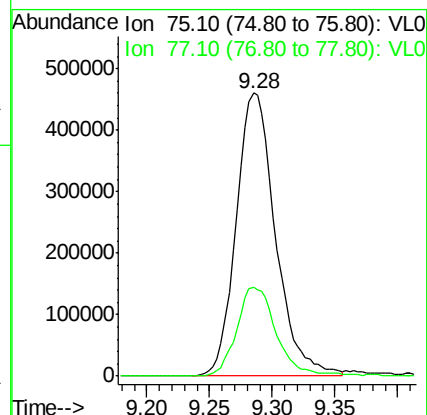
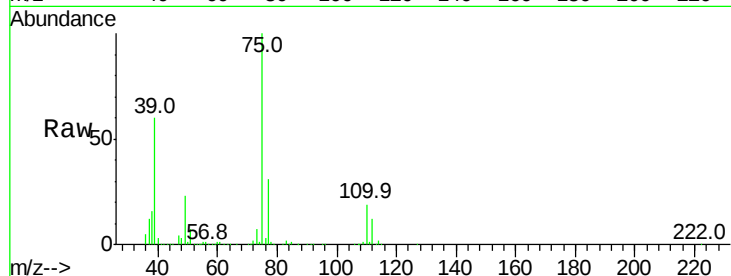
Acq: 24 Jan 2022 13:14 VSTDIC015

Tgt Ion: 75 Resp: 1001041

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



#46

cis-1,3-Dichloropropene

Concen: 16.170 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

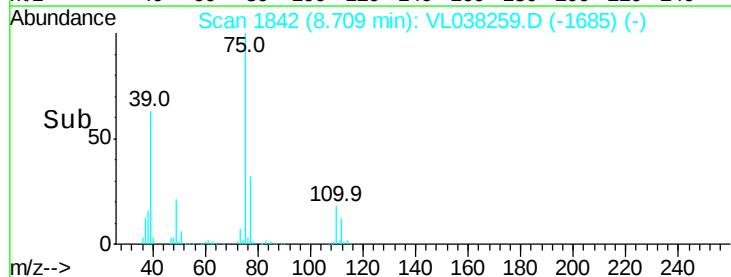
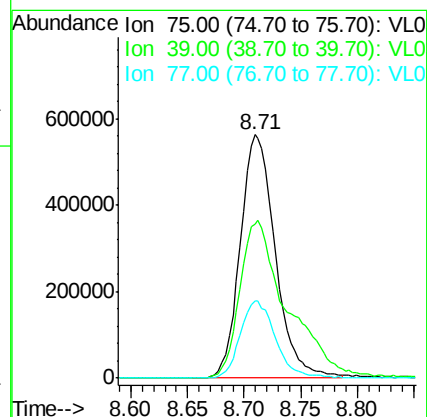
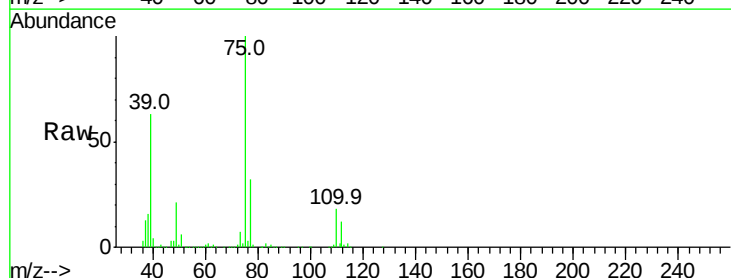
Tgt Ion: 75 Resp: 1214883

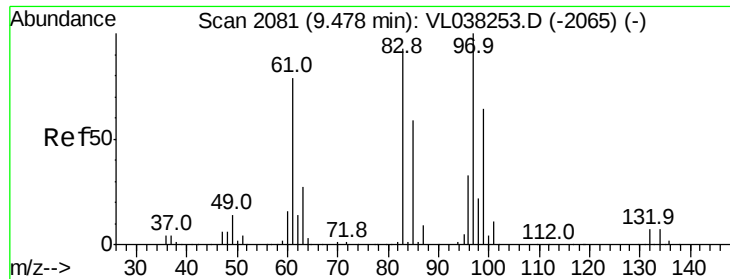
Ion Ratio Lower Upper

75 100

39 63.0 52.3 78.5

77 31.8 25.4 38.0

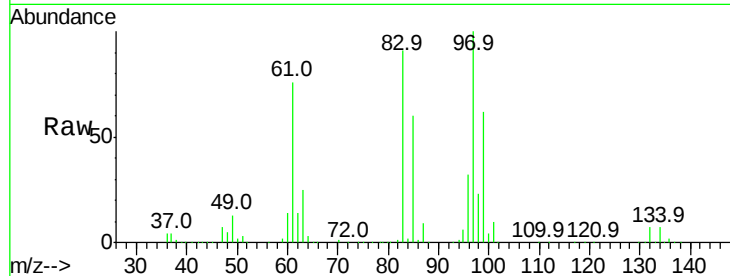




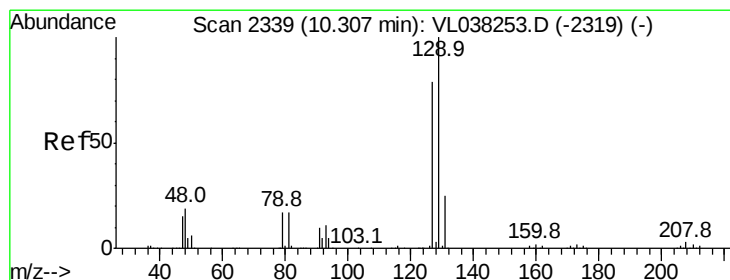
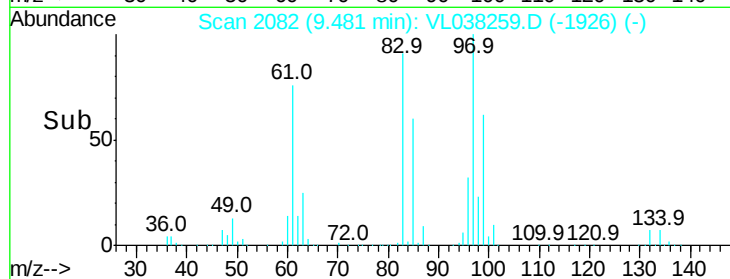
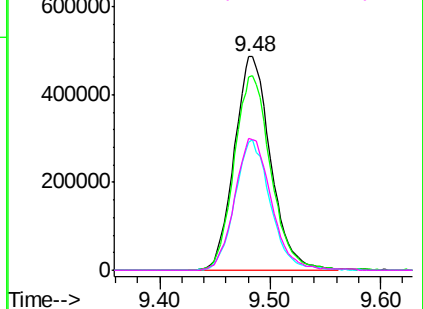
#47
 1,1,2-Trichloroethane
 Concen: 13.052 ppbv
 RT: 9.48
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 24 Jan 2022 13:14

Tgt Ion: 97 Resp: 1111097

Ion	Ratio	Lower	Upper
97	100		
83	90.6	74.3	111.5
85	59.9	47.5	71.3
99	61.9	51.1	76.7



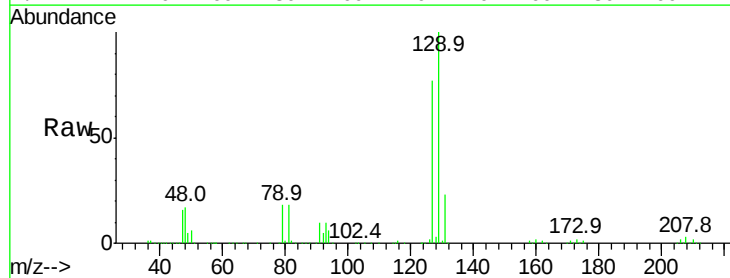
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



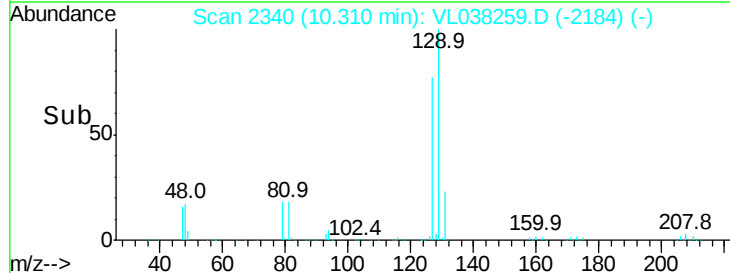
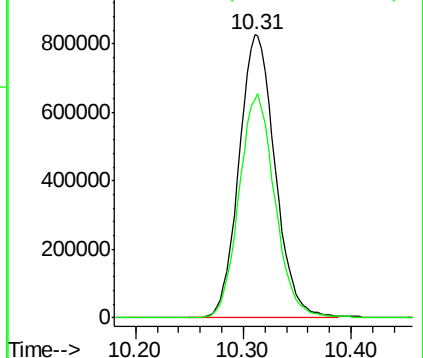
#48
 Dibromochloromethane
 Concen: 16.070 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T.: 0.00 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

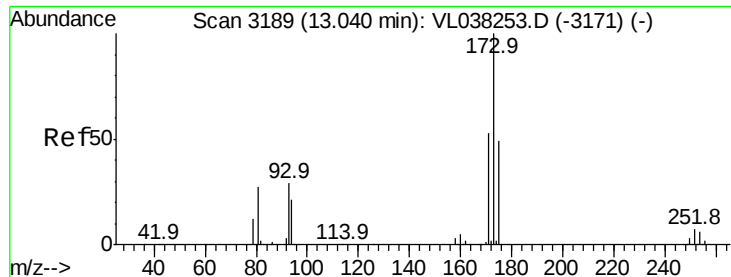
Tgt Ion: 129 Resp: 1923714

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.3



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 16.745 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC015

Acq: 24 Jan 2022 13:14

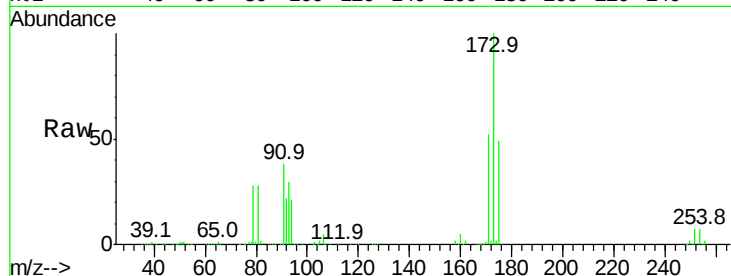
Tgt Ion:173 Resp: 1424183

Ion Ratio Lower Upper

173 100

175 49.1 39.7 59.5

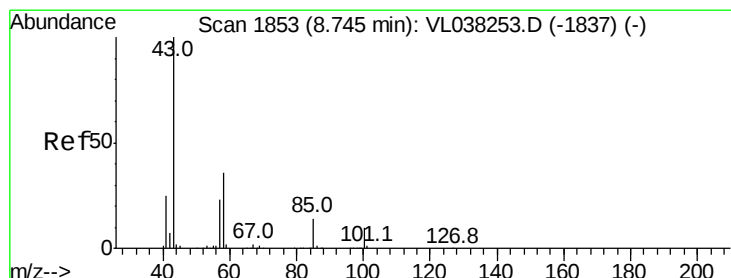
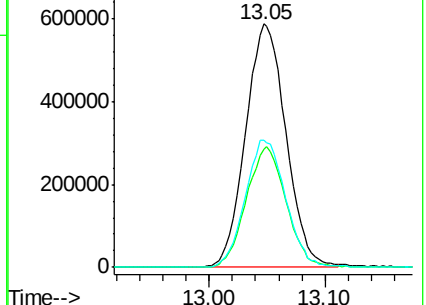
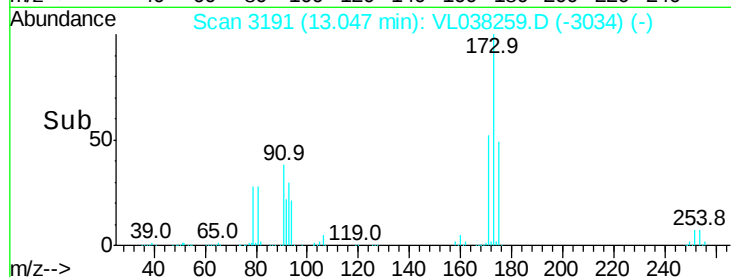
171 52.7 42.1 63.1



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: 15.281 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL038259.D

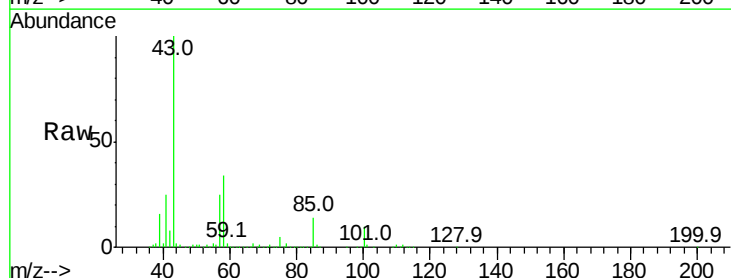
Acq: 24 Jan 2022 13:14

Tgt Ion: 43 Resp: 1907948

Ion Ratio Lower Upper

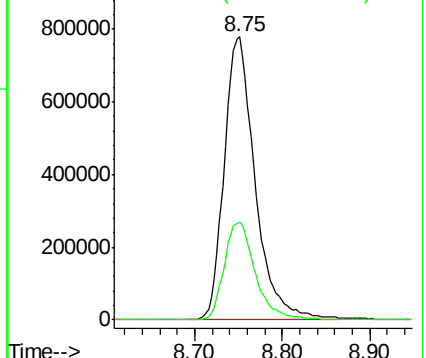
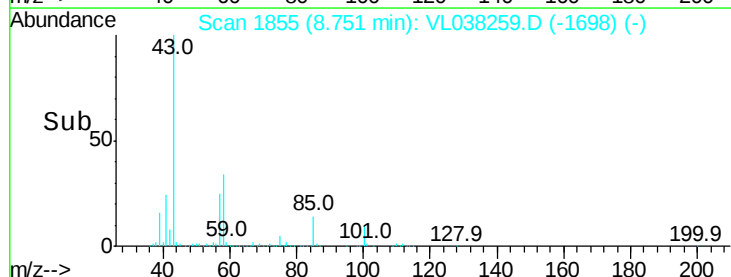
43 100

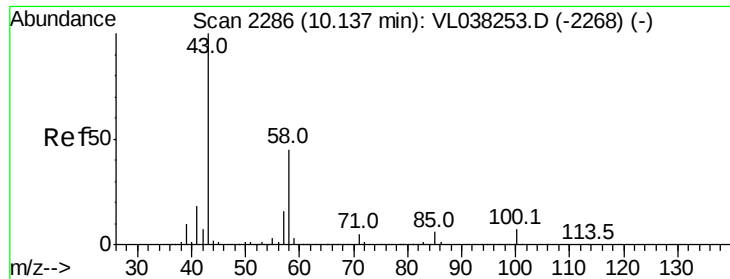
58 35.0 28.2 42.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 14.688 ppbv

RT: 10.14

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 13:14

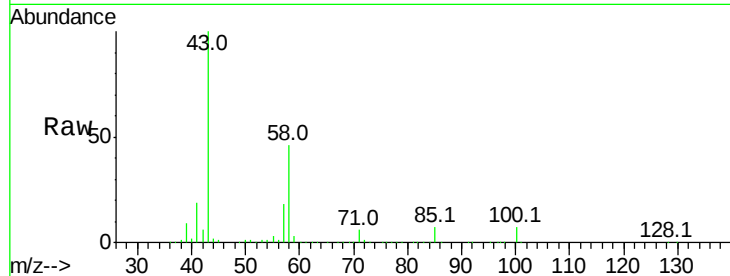
Tgt Ion: 43 Resp: 877724

Ion Ratio Lower Upper

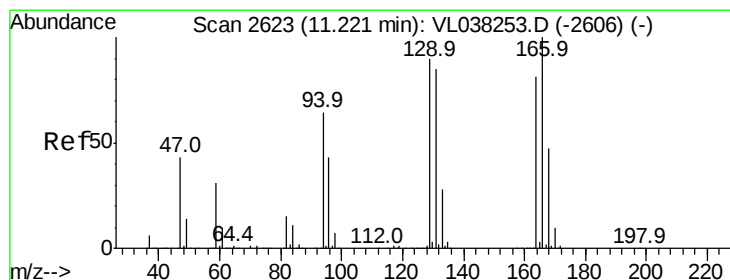
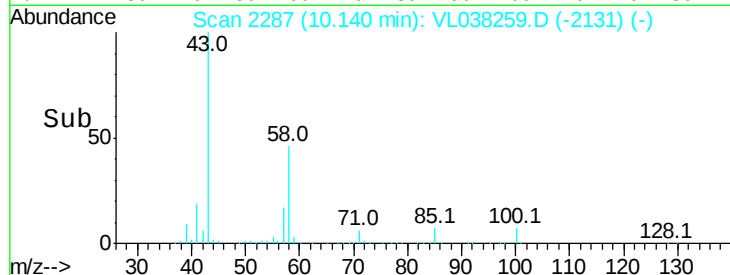
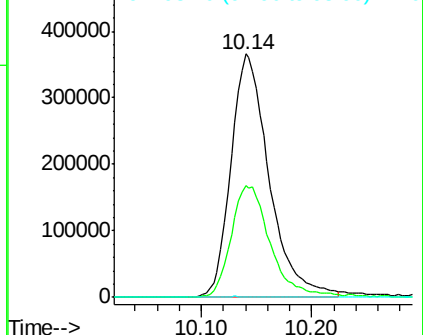
43 100

58 48.2 37.0 55.4

98 0.2 0.2 0.2



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



#52

Tetrachloroethene

Concen: 11.469 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.01 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

Tgt Ion: 164 Resp: 902227

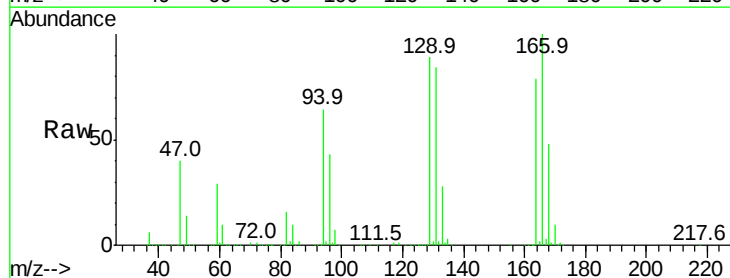
Ion Ratio Lower Upper

164 100

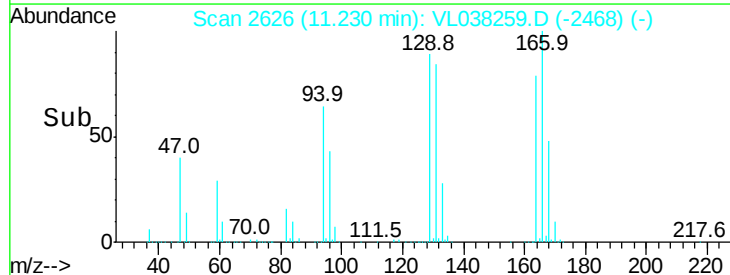
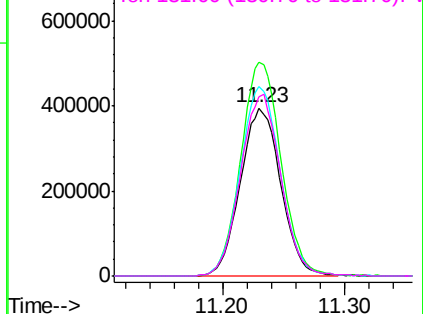
166 127.1 98.8 148.2

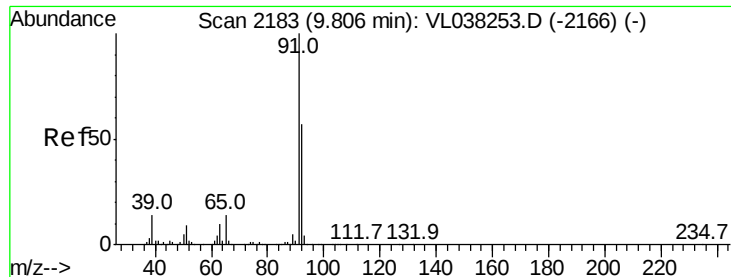
129 112.7 89.2 133.8

131 106.4 83.6 125.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 12.761 ppbv

RT: 9.81 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDIC015

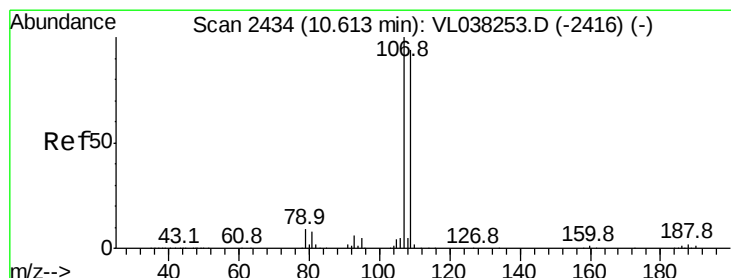
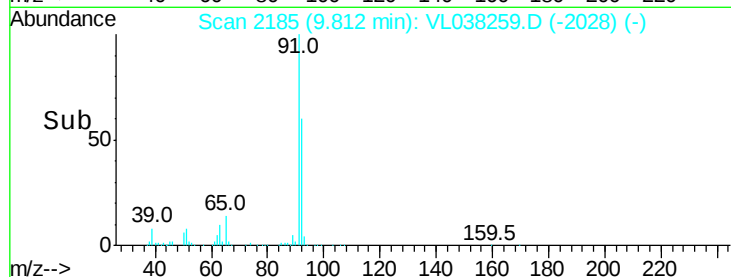
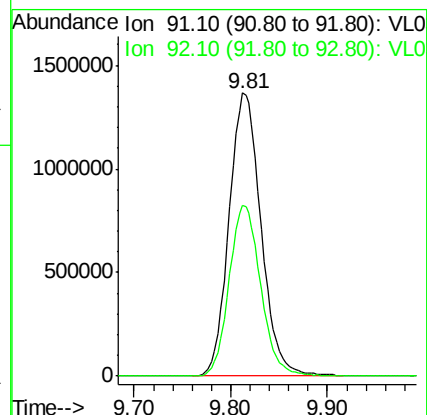
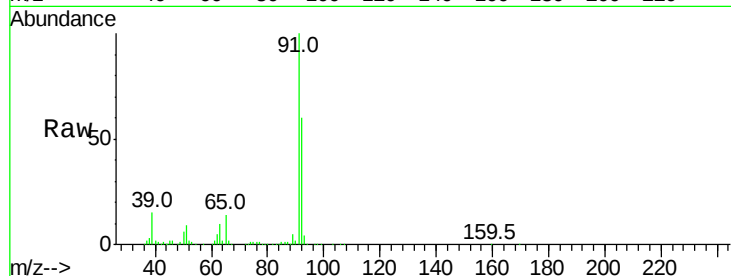
Acq: 24 Jan 2022 13:14

Tgt Ion: 91 Resp: 3137946

Ion Ratio Lower Upper

91 100

92 59.8 47.4 71.0



#54

1,2-Dibromoethane

Concen: 13.556 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.01 min

Lab File: VL038259.D

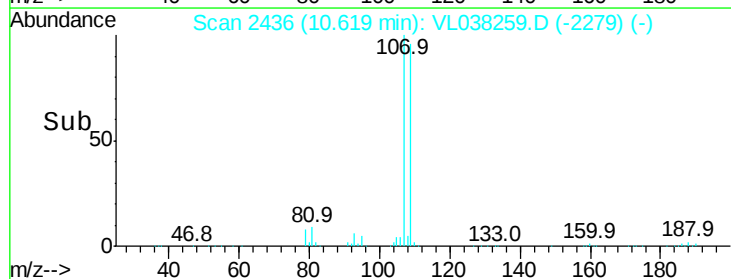
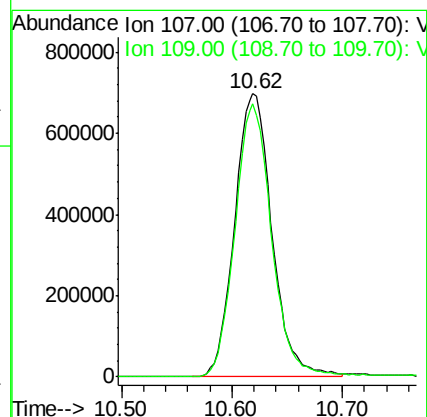
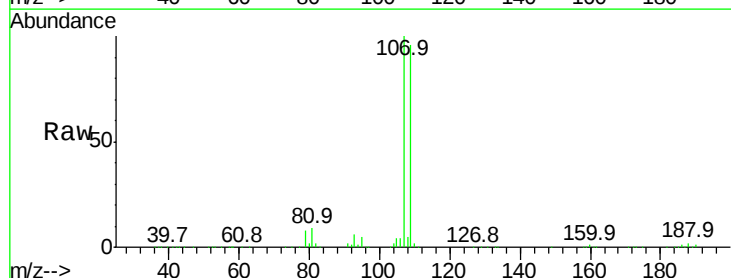
Acq: 24 Jan 2022 13:14

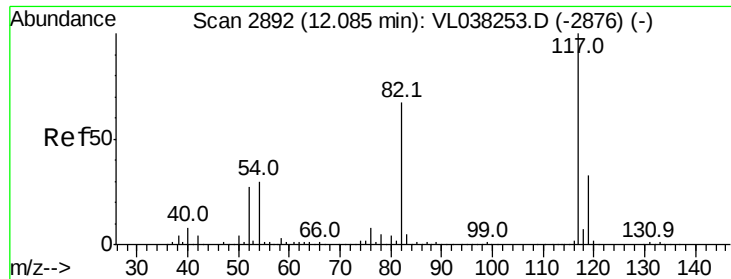
Tgt Ion: 107 Resp: 1636991

Ion Ratio Lower Upper

107 100

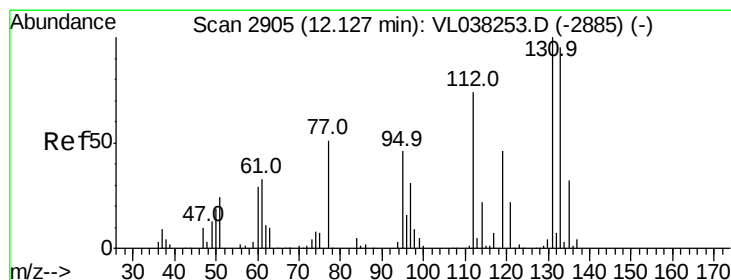
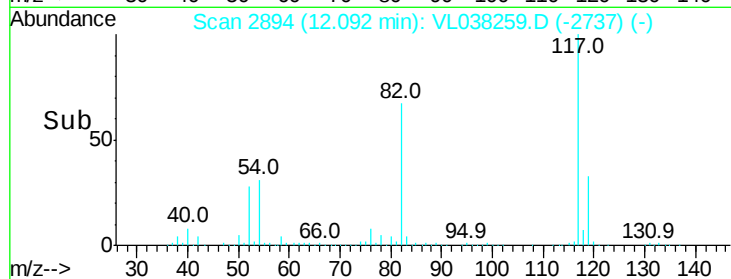
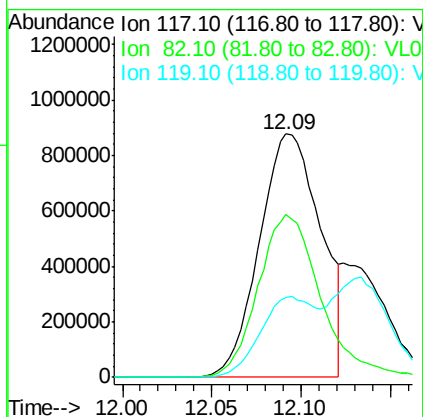
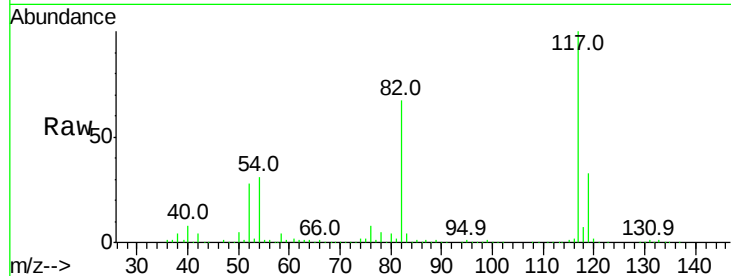
109 96.3 75.4 113.0





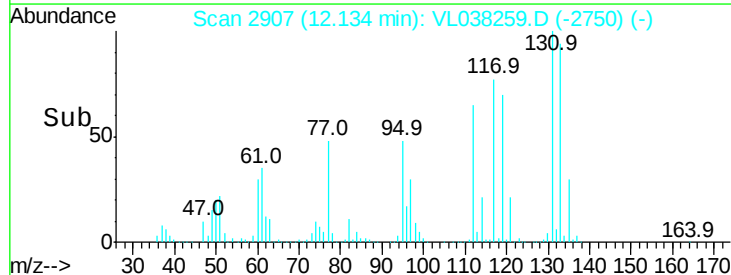
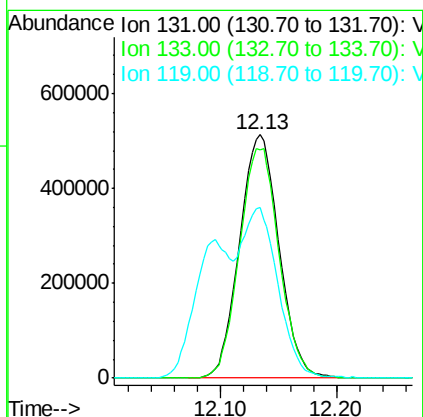
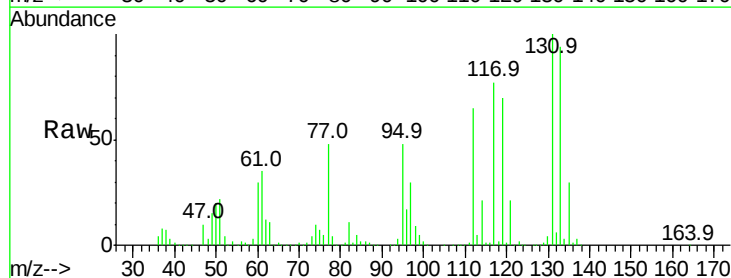
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDIC015
Acq: 24 Jan 2022 13:14

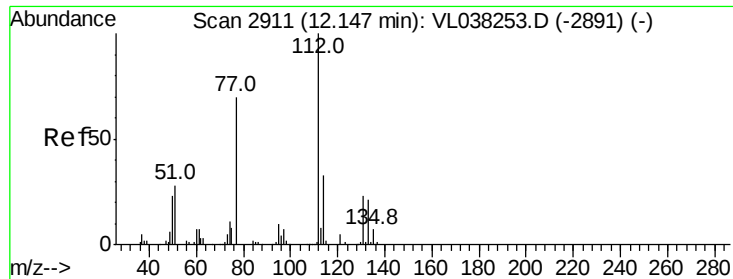
Tgt Ion:117 Resp: 2099915
Ion Ratio Lower Upper
117 100
82 68.6 54.4 81.6
119 0.0 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 13.876 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL038259.D
Acq: 24 Jan 2022 13:14

Tgt Ion:131 Resp: 1211967
Ion Ratio Lower Upper
131 100
133 95.6 76.0 114.0
119 62.5 53.0 79.4

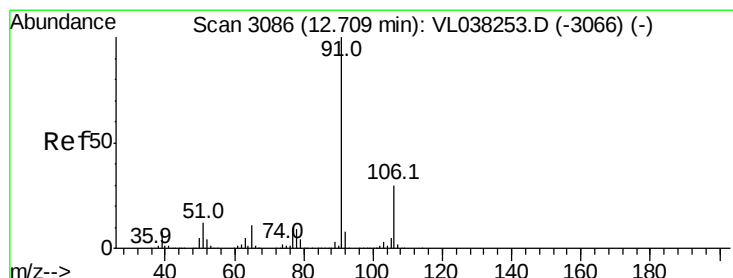
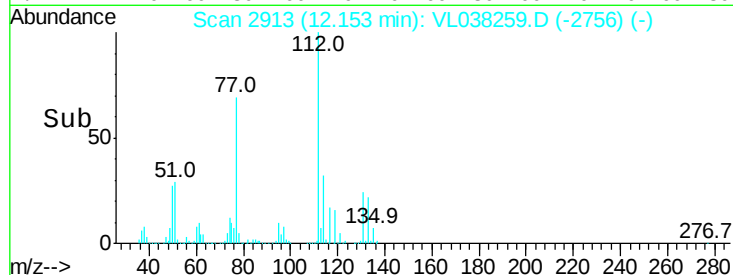
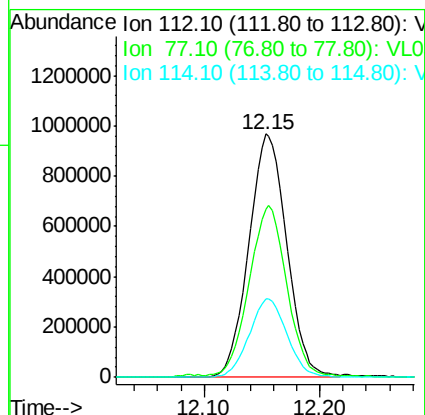
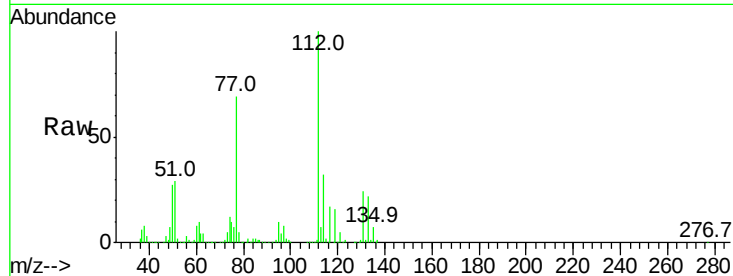




#57
Chlorobenzene
Concen: 12.115 ppbv
RT: 12.15 min
Delta R.T. 0.01 min
Lab File: VSTDIC015
Acq: 24 Jan 2022 13:14

Tgt Ion: 112 Resp: 2206411

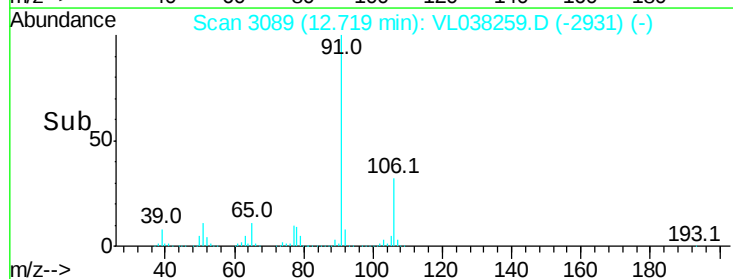
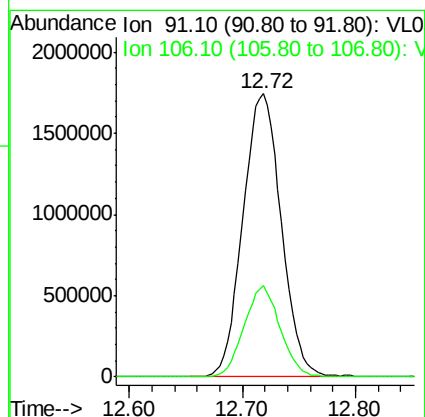
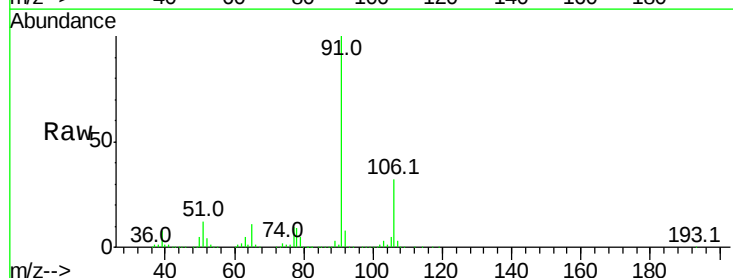
Ion	Ratio	Lower	Upper
112	100		
77	68.0	55.9	83.9
114	32.3	29.3	35.9

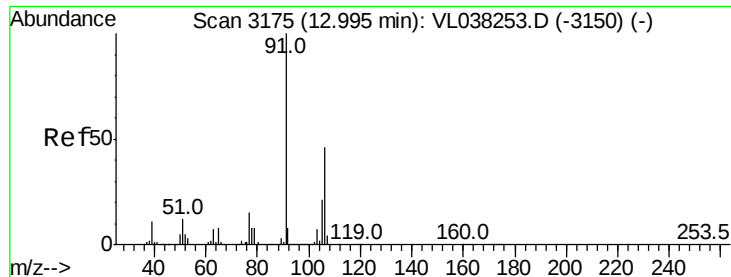


#58
Ethyl Benzene
Concen: 12.601 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. 0.01 min
Lab File: VL038259.D
Acq: 24 Jan 2022 13:14

Tgt Ion: 91 Resp: 4106119

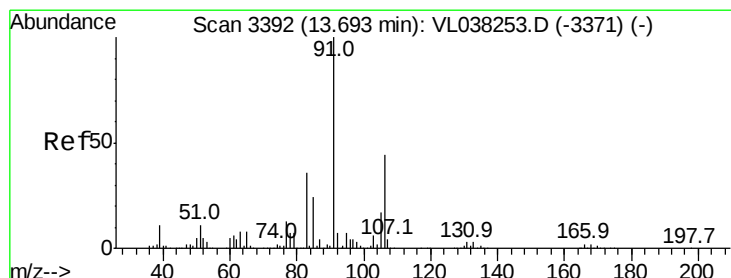
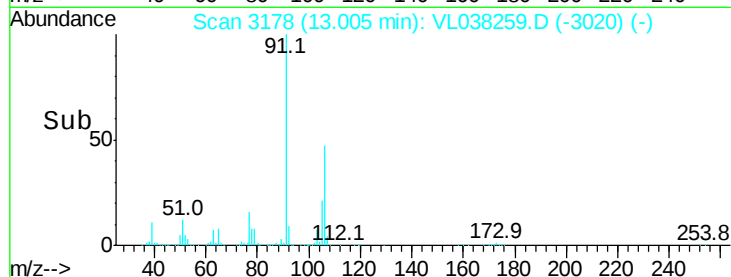
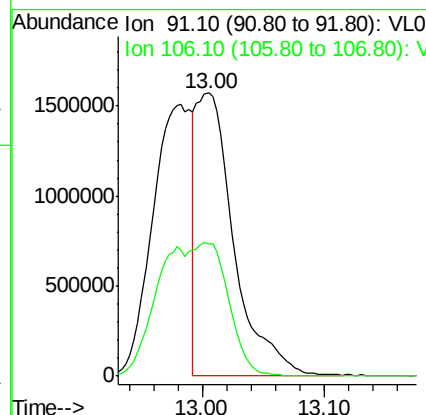
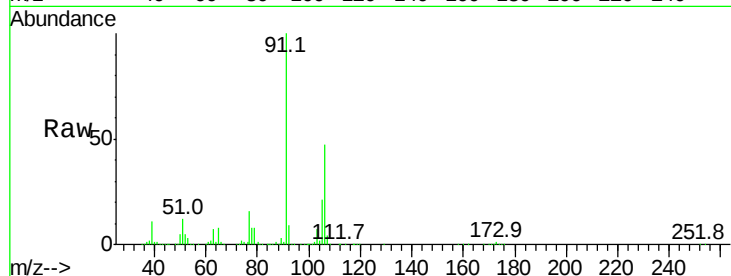
Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.1	36.1





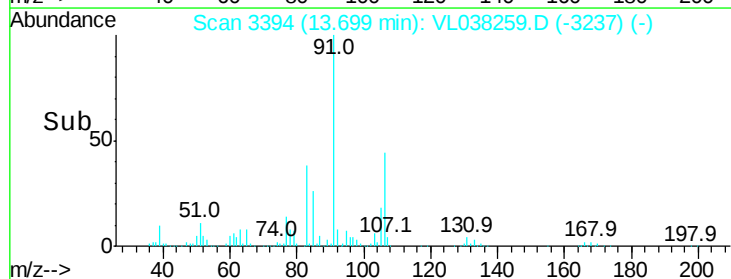
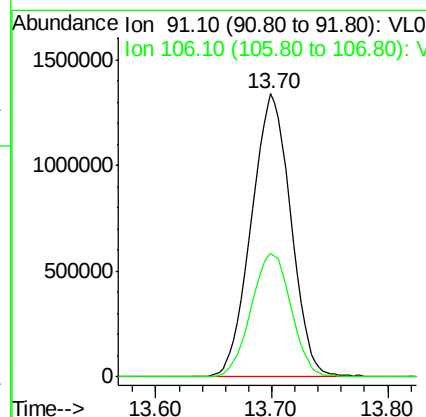
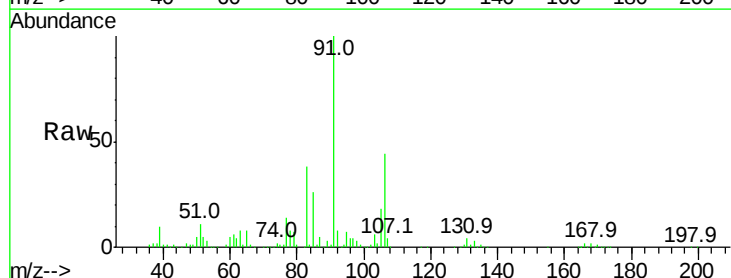
#59
m/p-Xylene
Concen: 11.941 ppbv
RT: 13.00 min
Delta R.T. 0.01 min
Lab File: VL038259.D
Acq: 24 Jan 2022 13:14

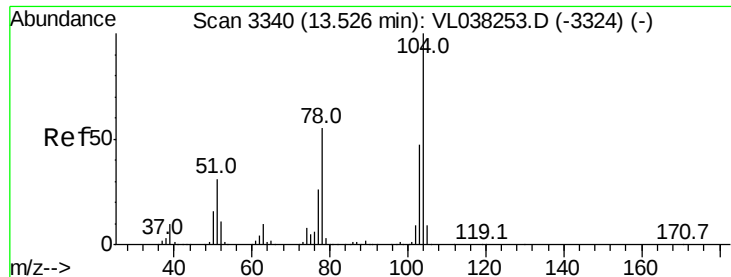
Tgt Ion: 91 Resp: 3326616
Ion Ratio Lower Upper
91 100
106 89.0 34.8 52.2#



#60
o-Xylene
Concen: 12.268 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VL038259.D
Acq: 24 Jan 2022 13:14

Tgt Ion: 91 Resp: 3168684
Ion Ratio Lower Upper
91 100
106 44.2 22.2 66.6

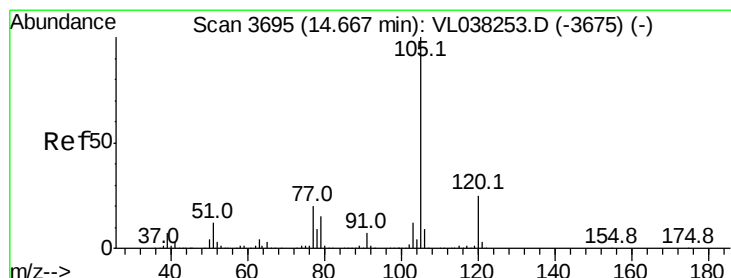
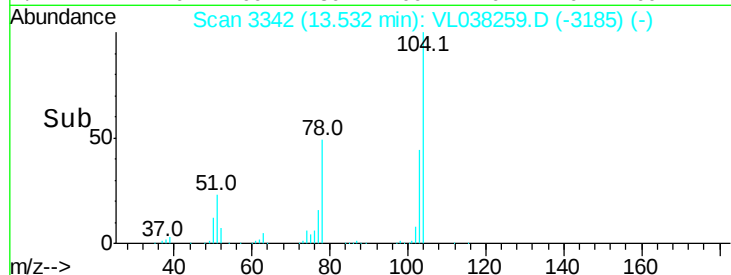
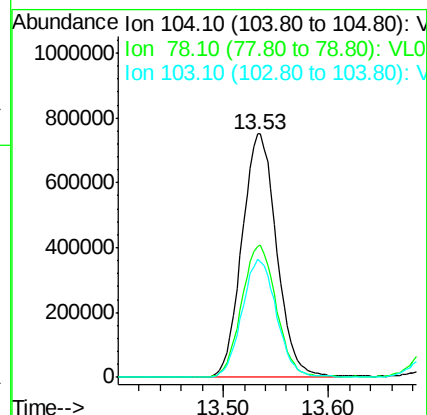
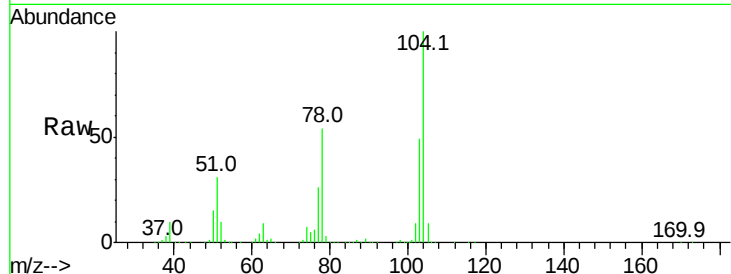




#61
Styrene
Concen: 13.145 ppbv
RT: 13.53 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VSTDIC015
Acq: 24 Jan 2022 13:14

Tgt Ion:104 Resp: 1719747

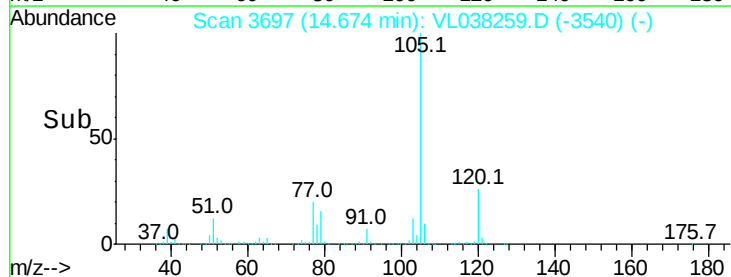
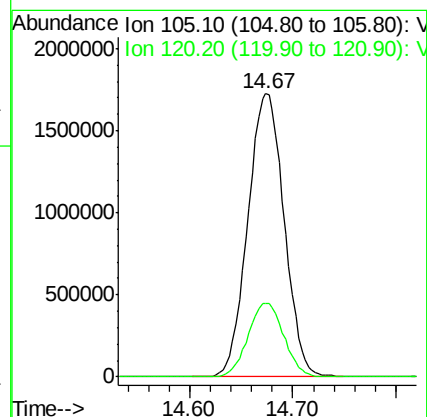
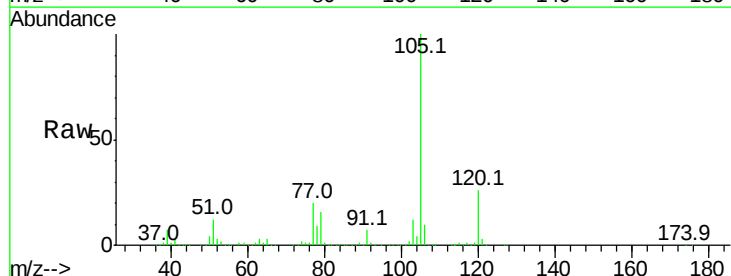
Ion	Ratio	Lower	Upper
104	100		
78	54.5	44.2	66.4
103	48.4	38.2	57.4

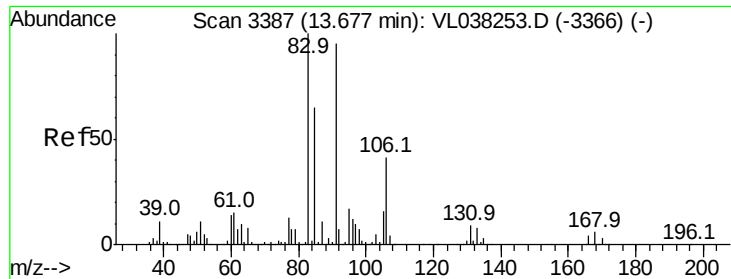


#62
Isopropylbenzene
Concen: 11.623 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.01 min
Lab File: VL038259.D
Acq: 24 Jan 2022 13:14

Tgt Ion:105 Resp: 4214786

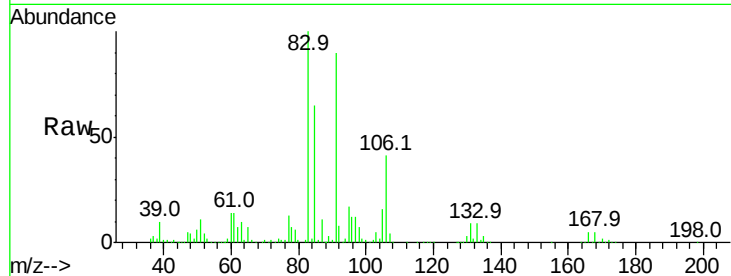
Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.5	30.7



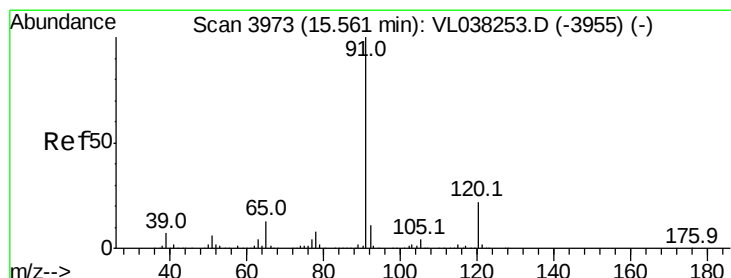
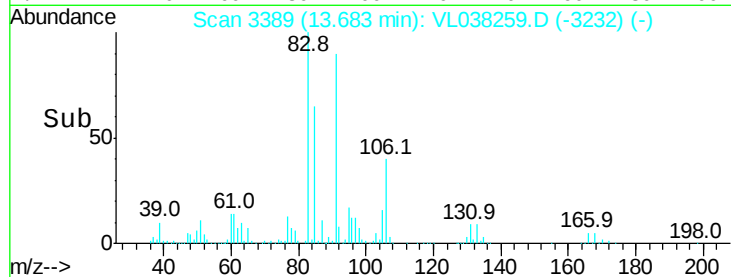
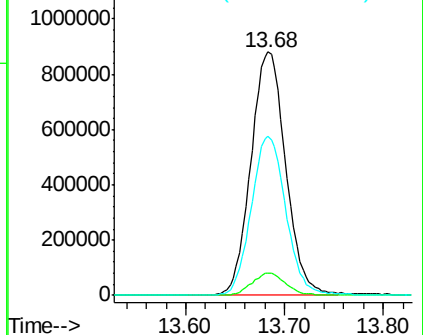


#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.776 ppbv
 RT: 13.68 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDIC015
 Acq: 24 Jan 2022 13:14

Tgt Ion: 83 Resp: 2140429
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.5 13.5
 85 65.4 32.8 98.4

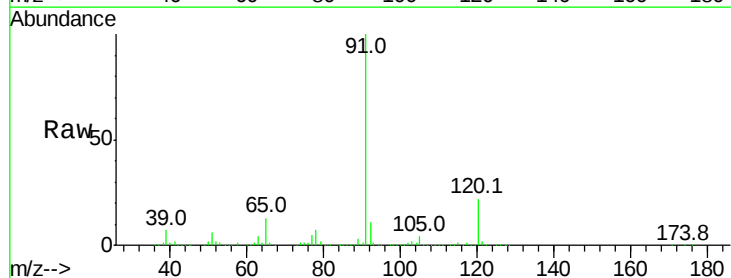


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0

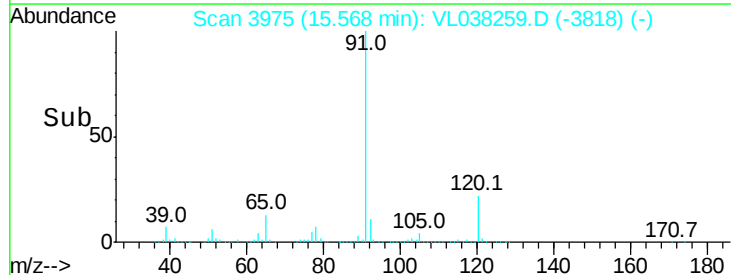
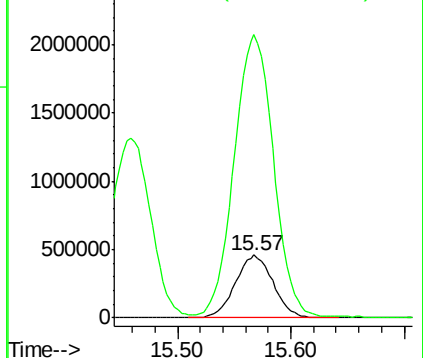


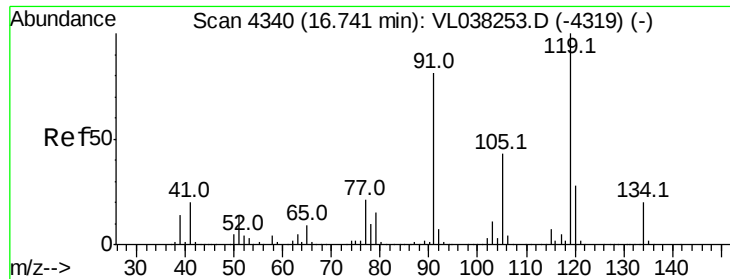
#64
 n-propylbenzene
 Concen: 11.796 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. 0.01 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

Tgt Ion: 120 Resp: 1063493
 Ion Ratio Lower Upper
 120 100
 91 475.3 390.8 586.2



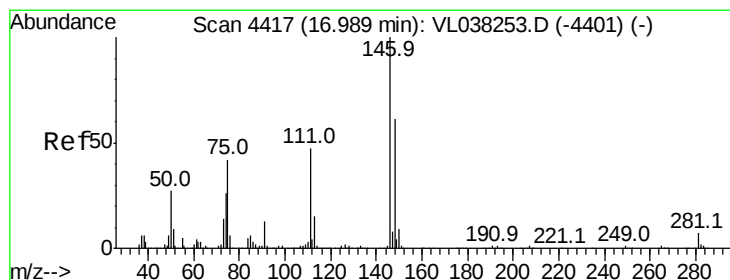
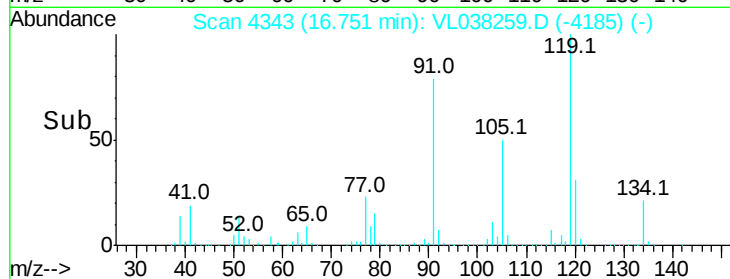
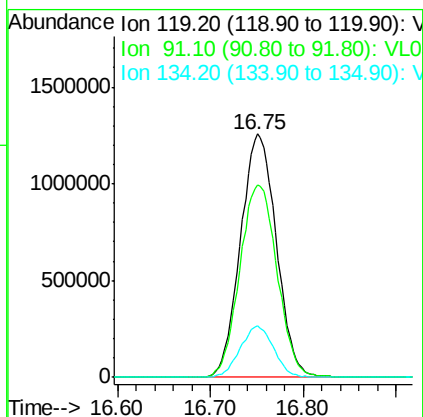
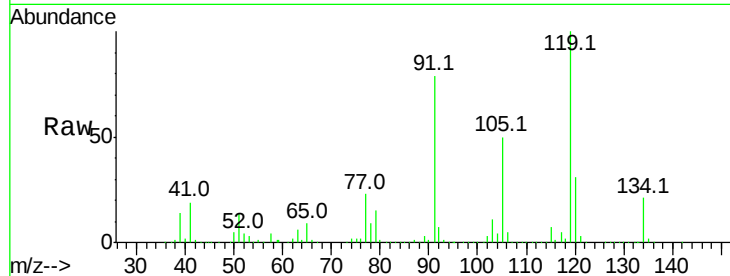
Abundance Ion 120.20 (119.90 to 120.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0





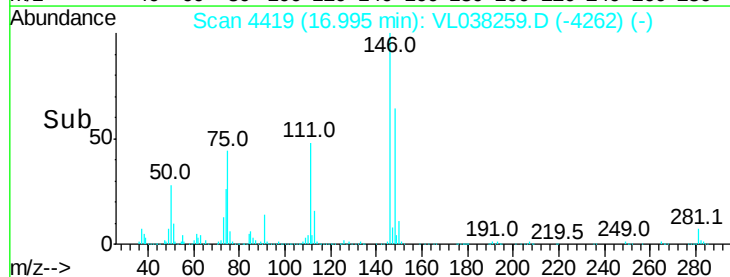
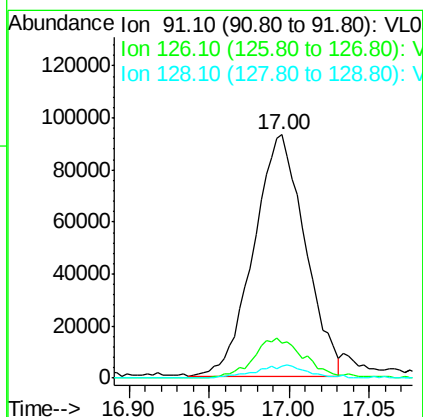
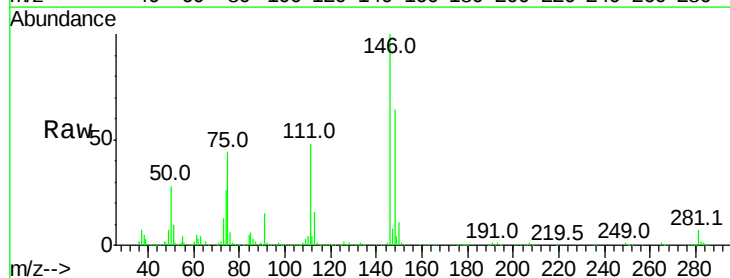
#65
 tert-Butylbenzene
 Concen: 10.587 ppbv
 RT: 16.75 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDIC015
 Acq: 24 Jan 2022 13:14

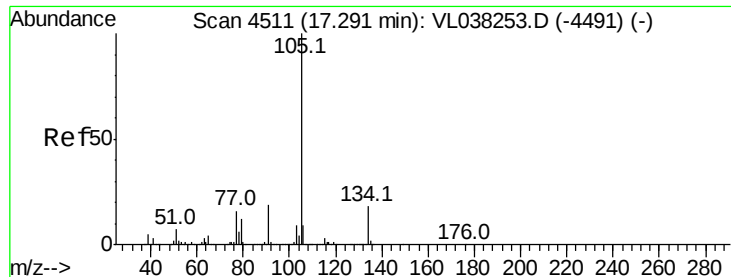
Tgt Ion: 119 Resp: 3379395
 Ion Ratio Lower Upper
 119 100
 91 82.3 66.6 100.0
 134 19.8 15.8 23.6



#66
 Benzyl Chloride
 Concen: 17.231 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T.: 0.01 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

Tgt Ion: 91 Resp: 204987
 Ion Ratio Lower Upper
 91 100
 126 17.0 12.6 18.8
 128 5.8 4.3 6.5





#67

sec-Butylbenzene

Concen: 10.715 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

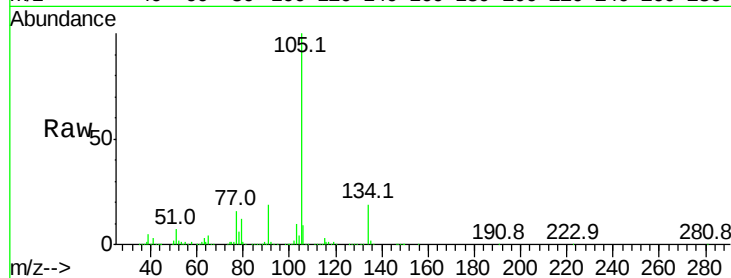
Acq: 24 Jan 2022 13:14

Tgt Ion: 105 Resp: 4699355

Ion Ratio Lower Upper

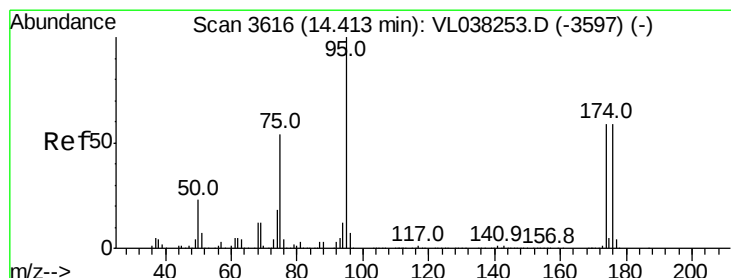
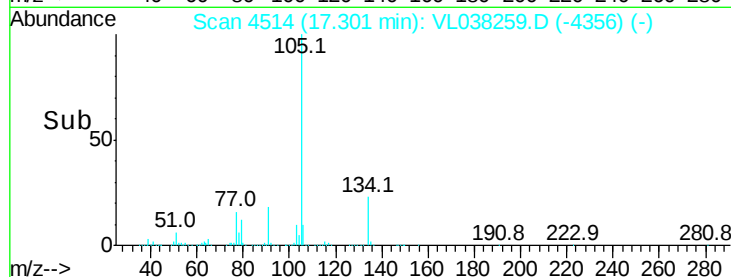
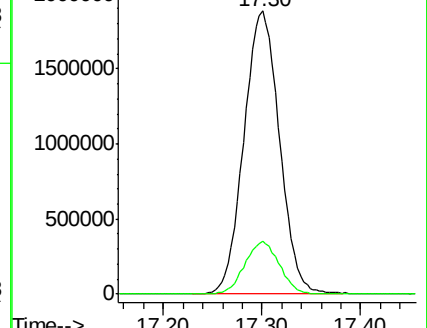
105 100

134 18.2 14.3 21.5



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: 10.216 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

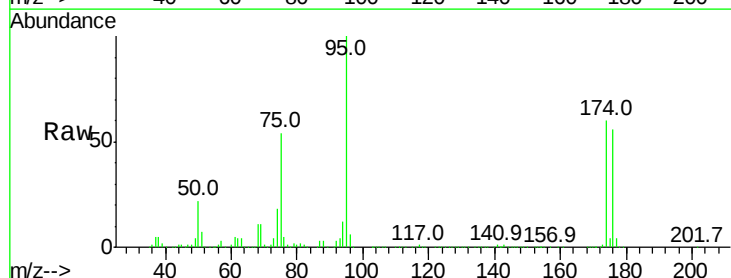
Tgt Ion: 95 Resp: 1653196

Ion Ratio Lower Upper

95 100

174 59.1 48.3 72.5

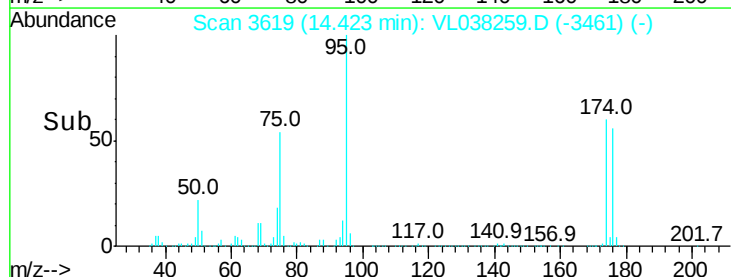
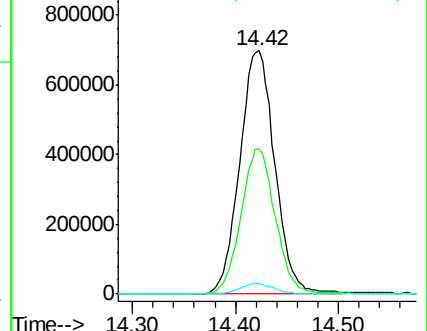
175 4.3 3.5 5.3

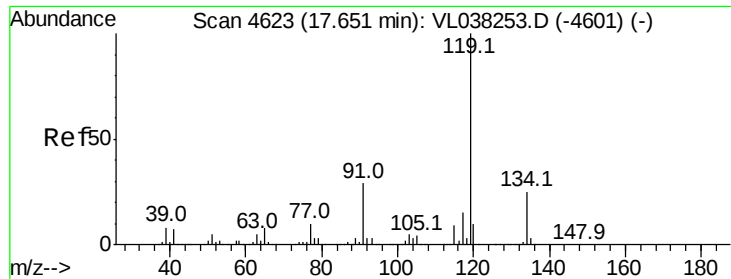


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

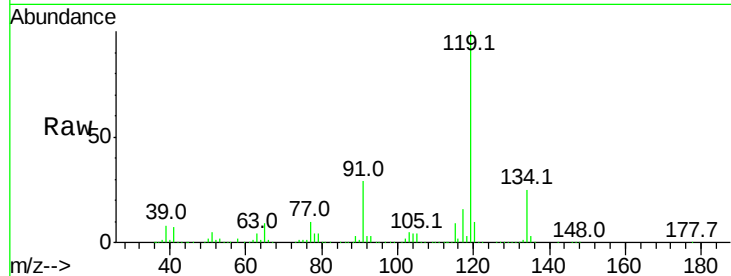
Ion 175.00 (174.70 to 175.70): V



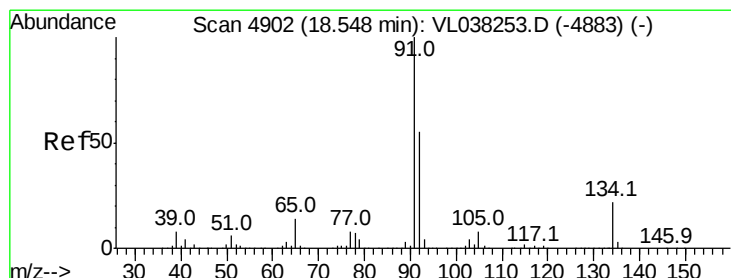
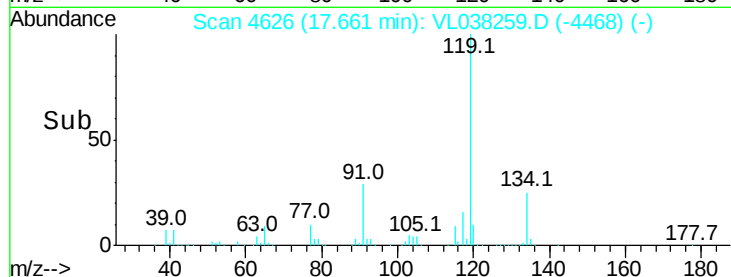
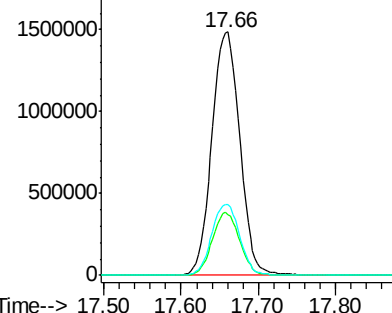


#69
 p-Isopropyltoluene
 Concen: 10.524 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0015
 Acq: 24 Jan 2022 13:14

Tgt Ion: 119 Resp: 3712439
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.2 30.2
 91 29.4 23.2 34.8

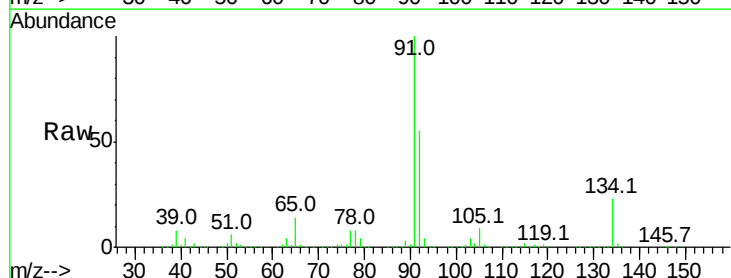


Abundance Ion 119.10 (118.80 to 119.80): V
 2000000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

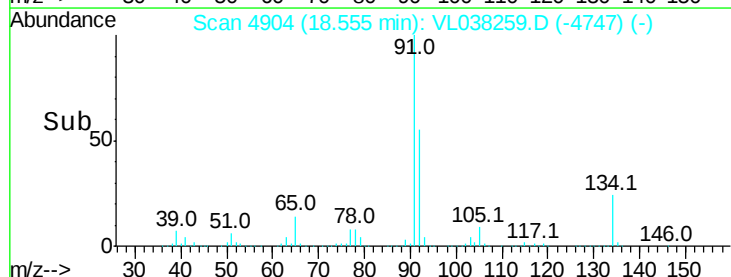
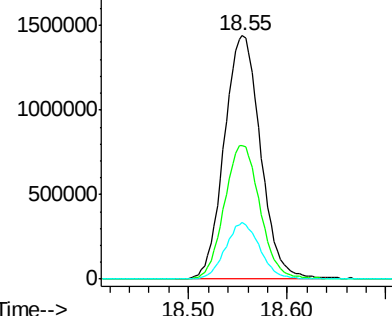


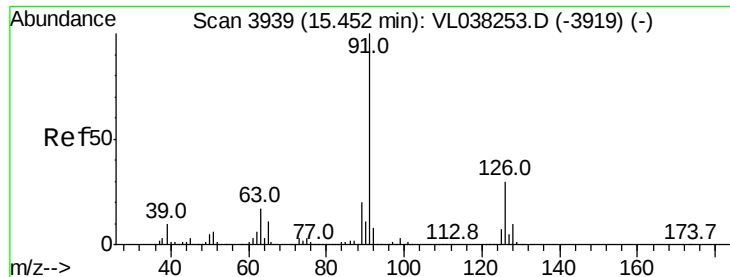
#70
 n-Butylbenzene
 Concen: 10.951 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.01 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

Tgt Ion: 91 Resp: 3672912
 Ion Ratio Lower Upper
 91 100
 92 54.2 43.4 65.0
 134 22.2 17.3 25.9



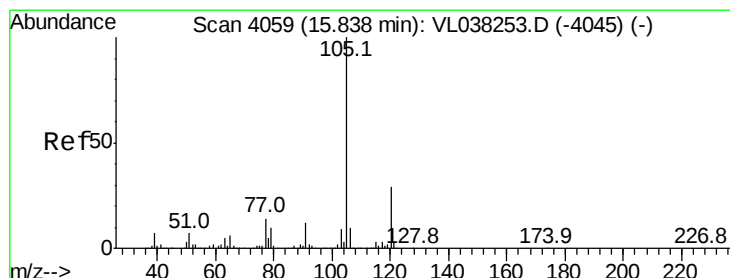
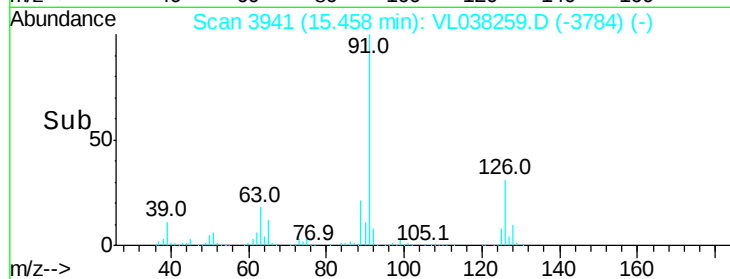
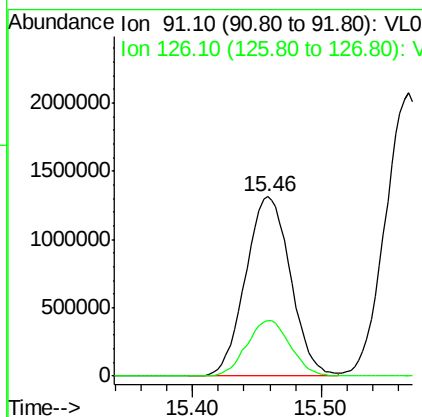
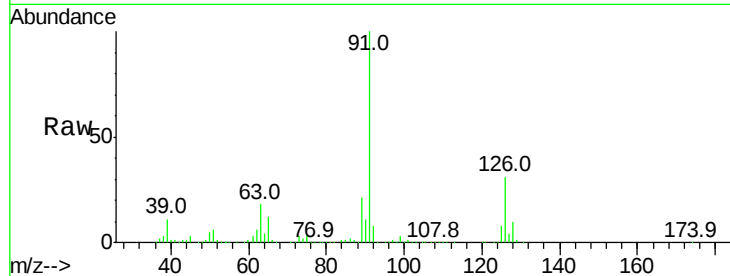
Abundance Ion 91.10 (90.80 to 91.80): VL0
 2000000 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





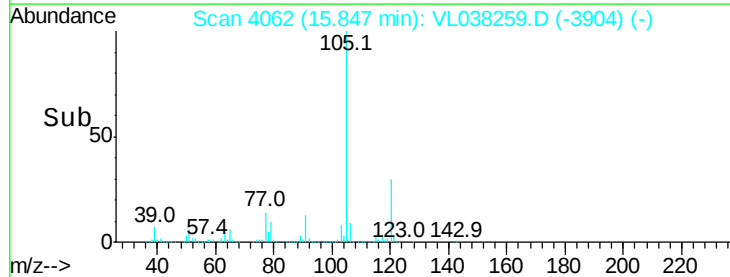
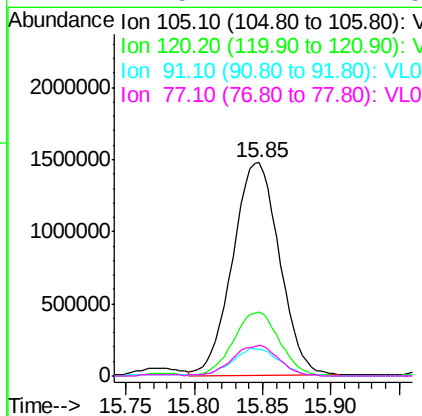
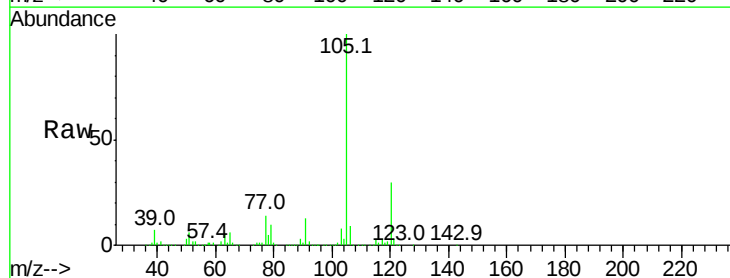
#71
 2-Chlorotoluene
 Concen: 11.795 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC015
 Acq: 24 Jan 2022 13:14

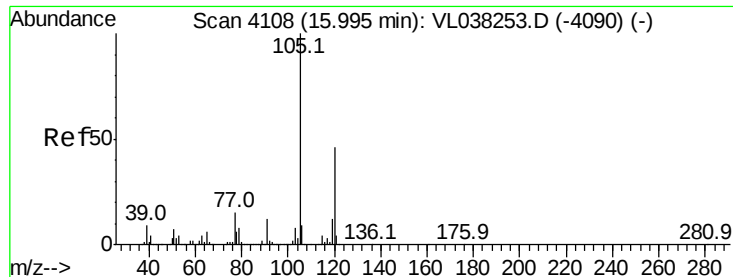
Tgt Ion: 91 Resp: 3183694
 Ion Ratio Lower Upper
 91 100
 126 30.2 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 11.787 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.01 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

Tgt Ion: 105 Resp: 3505885
 Ion Ratio Lower Upper
 105 100
 120 29.9 23.8 35.8
 91 13.1 10.2 15.4
 77 14.5 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 11.478 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

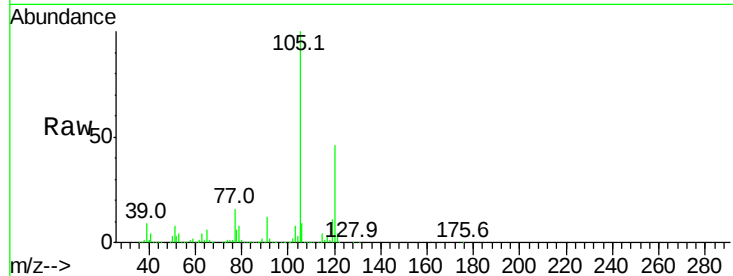
Acq: 24 Jan 2022 13:14

Tgt Ion:105 Resp: 3055269

Ion Ratio Lower Upper

105 100

120 46.2 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

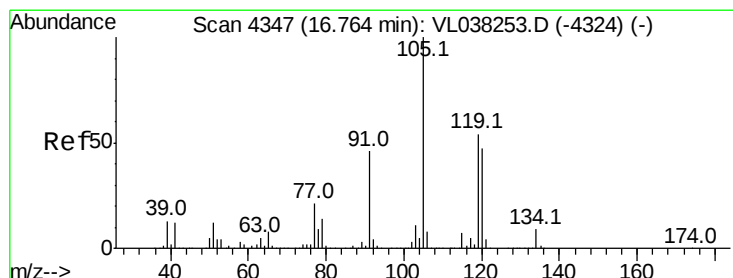
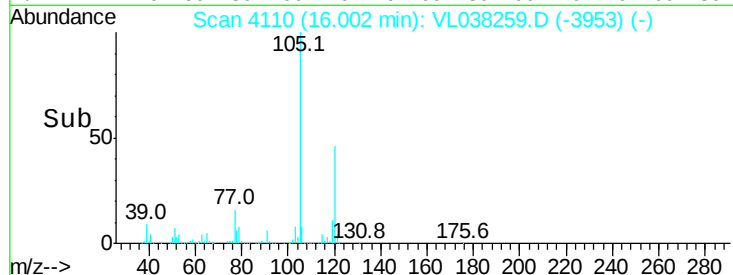
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.880 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

Tgt Ion:105 Resp: 3041714

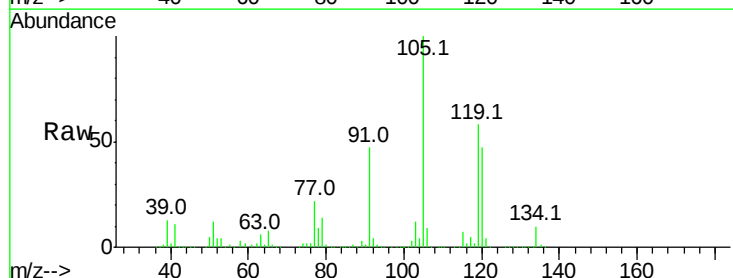
Ion Ratio Lower Upper

105 100

120 46.8 37.2 55.8

91 46.4 36.6 55.0

77 21.6 16.9 25.3



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

2000000

1500000

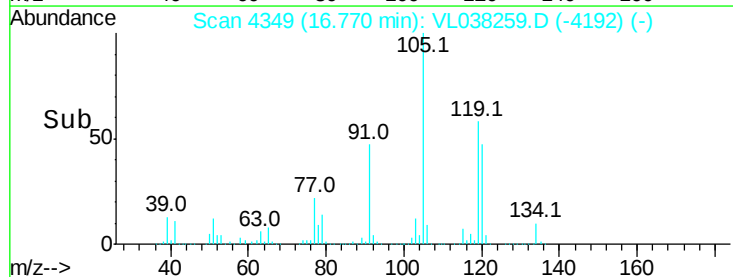
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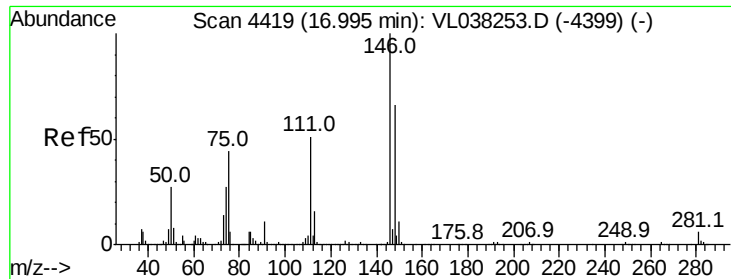
500000

0

16.70 16.77 16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 11.214 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Jan 2022 13:14

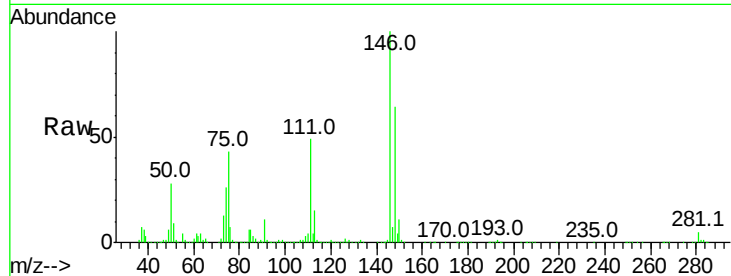
Tgt Ion:146 Resp: 1693388

Ion Ratio Lower Upper

146 100

111 47.9 24.1 72.4

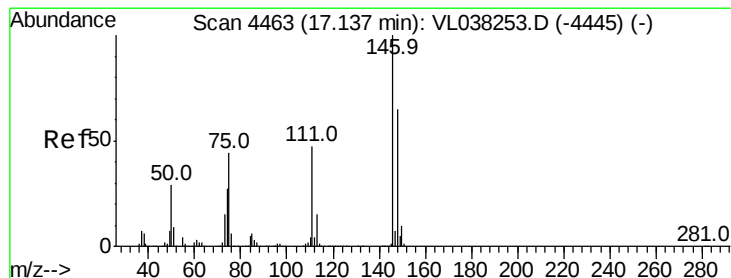
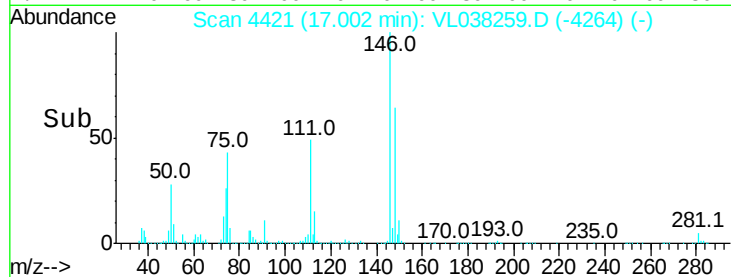
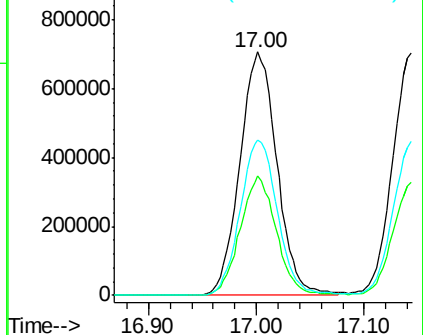
148 64.2 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.915 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. 0.01 min

Lab File: VL038259.D

Acq: 24 Jan 2022 13:14

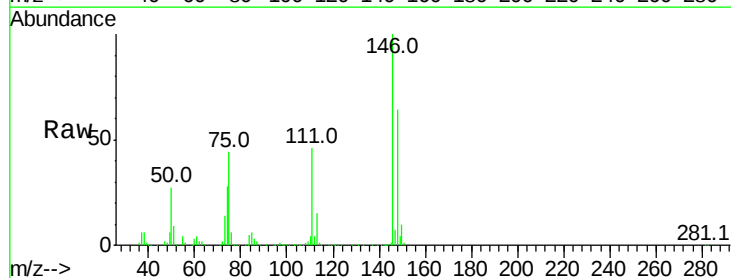
Tgt Ion:146 Resp: 1635348

Ion Ratio Lower Upper

146 100

111 47.5 23.2 69.6

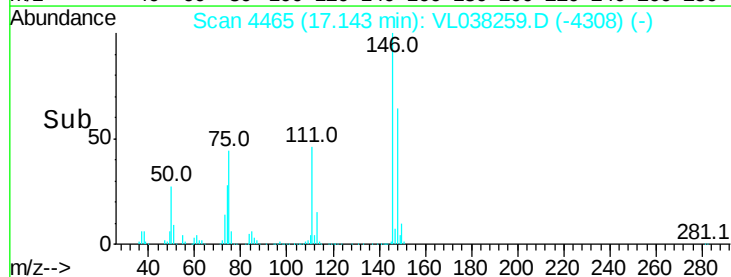
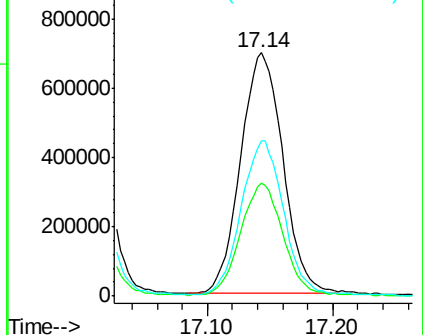
148 65.8 32.4 97.0

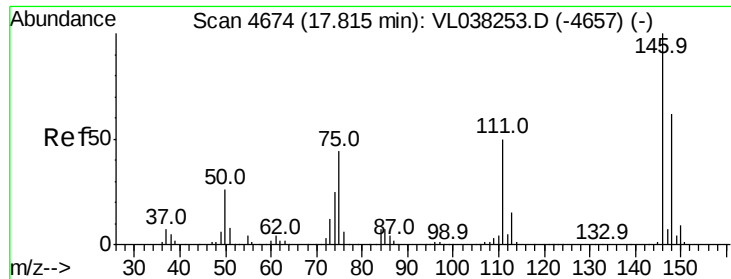


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

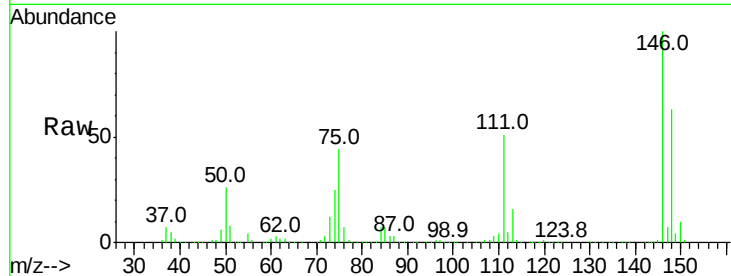
Ion 148.00 (147.70 to 148.70): V



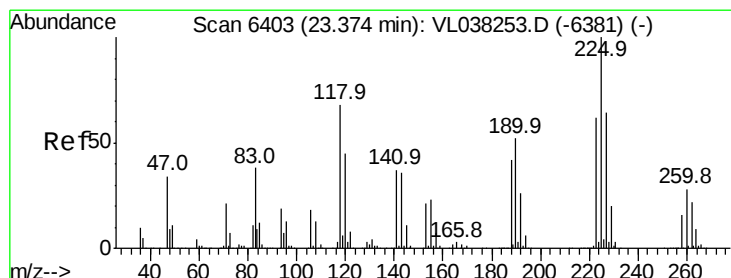
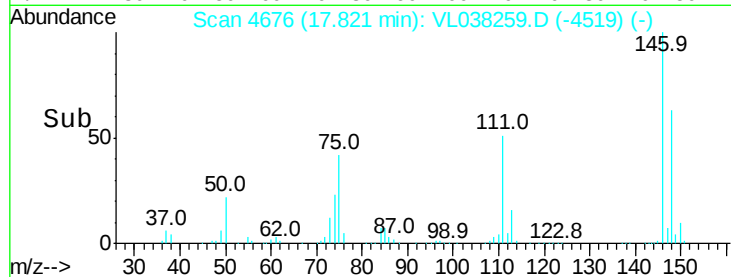
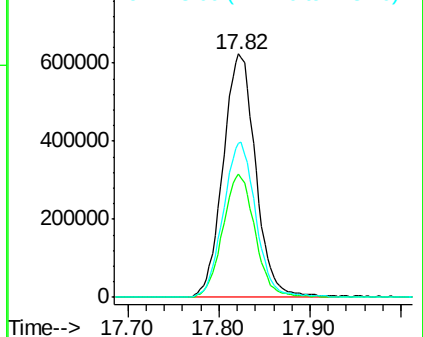


#77
 1,2-Dichlorobenzene
 Concen: 10.616 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDIC015
 Acq: 24 Jan 2022 13:14

Tgt Ion:146 Resp: 1534934
 Ion Ratio Lower Upper
 146 100
 111 51.3 25.2 75.6
 148 64.0 32.6 97.8

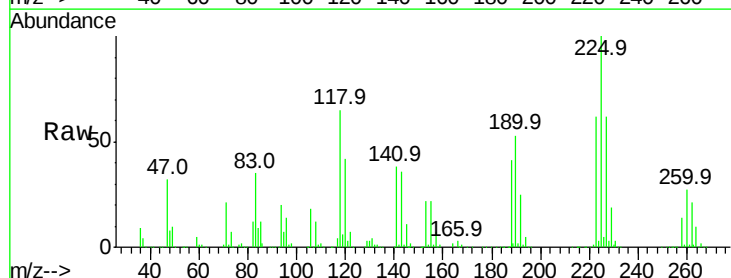


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

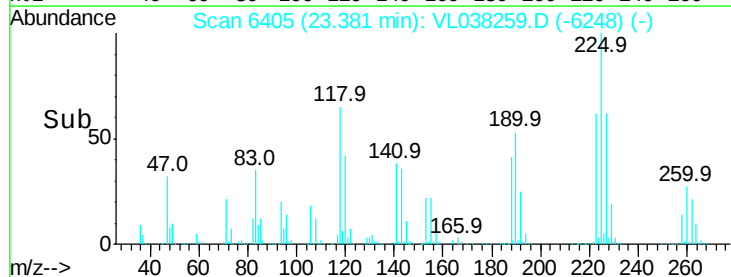
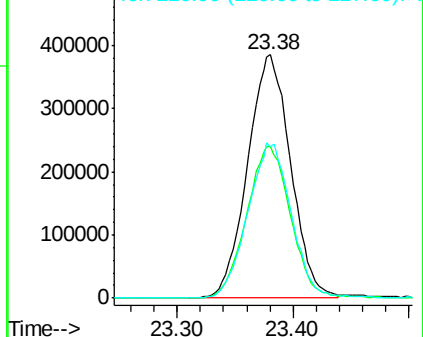


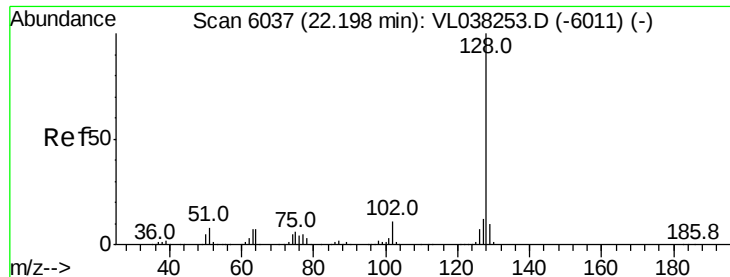
#78
 Hexachloro-1,3-Butadiene
 Concen: 11.148 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.01 min
 Lab File: VL038259.D
 Acq: 24 Jan 2022 13:14

Tgt Ion:225 Resp: 994612
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.7 77.5
 227 64.6 51.4 77.0



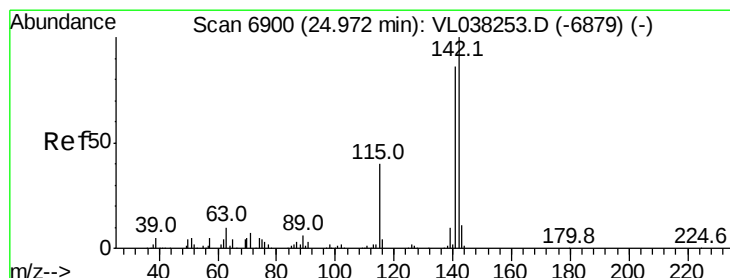
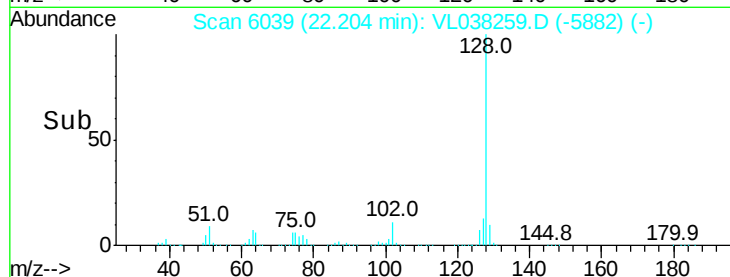
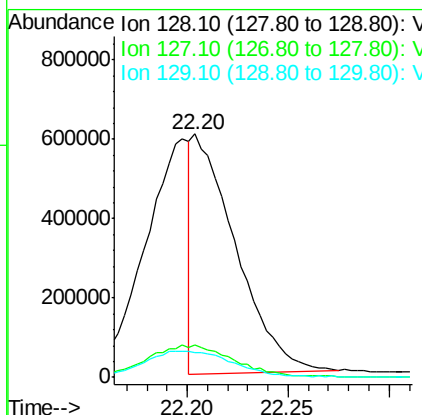
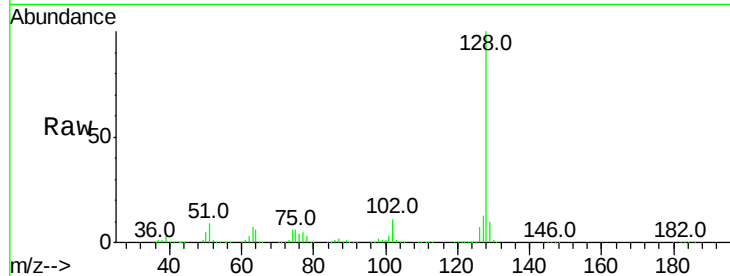
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





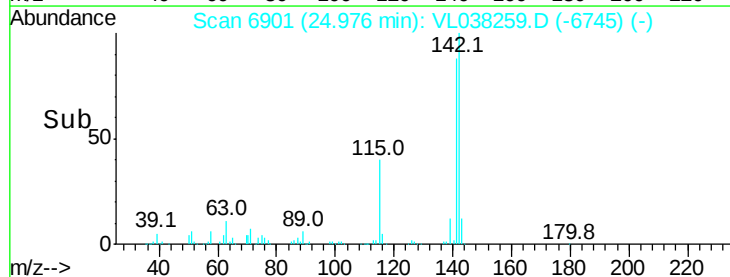
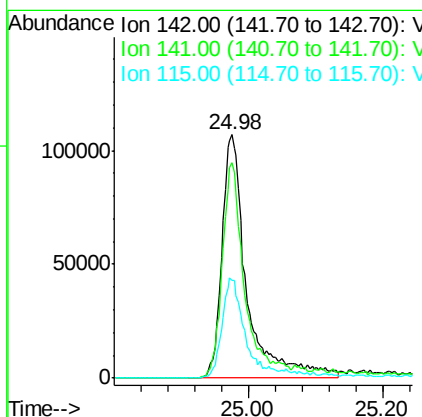
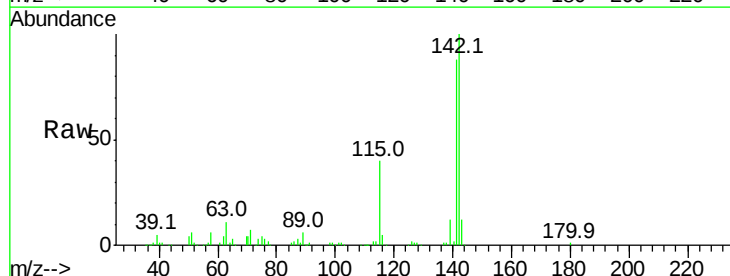
#79
Naphthalene
Concen: 6.155 ppbv
RT: 22.20 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDIC0015
Acq: 24 Jan 2022 13:14

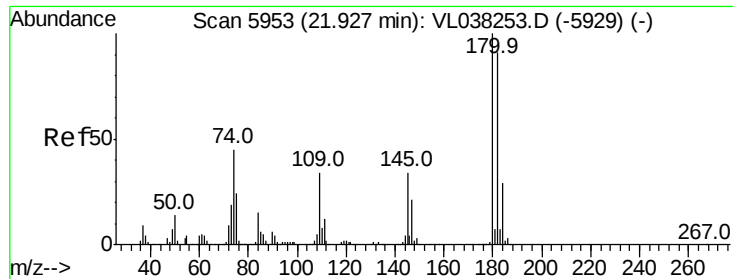
Tgt Ion:	128	Resp:	888905
Ion	Ratio	Lower	Upper
128	100		
127	13.5	9.7	14.5
129	10.4	8.1	12.1



#80
Naphthalene, 2-methyl-
Concen: 9.666 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. 0.00 min
Lab File: VL038259.D
Acq: 24 Jan 2022 13:14

Tgt Ion:	142	Resp:	276965
Ion	Ratio	Lower	Upper
142	100		
141	79.7	70.2	105.4
115	42.4	31.8	47.6





#81

1,2,4-Trichlorobenzene

Concen: 12.094 ppbv

RT: 21.93 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC015

Acq: 24 Jan 2022 13.14

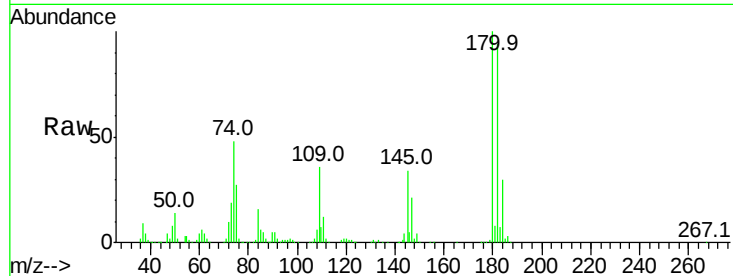
Tgt Ion:180 Resp: 998828

Ion Ratio Lower Upper

180 100

182 99.2 77.7 116.5

184 30.7 24.4 36.6



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

