

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
 Data File : VL038013.D
 Acq On : 10 Nov 2021 17:28
 Operator : SY/AP
 Sample : M4598-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 11 03:43:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1529069	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4364977	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.37	117	3345409	10.00	ppbv	0.29

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2521197	10.37	ppbv	0.12
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	128409	0.596	ppbv 97
3) Chlorodifluoromethane	2.99	51	13210696	46.410	ppbv 95
4) Chloromethane	3.14	50	26706	0.247	ppbv 92
5) Vinyl Chloride	3.26	62	13720	0.132	ppbv # 1
7) Chloroethane	3.56	64	1956	0.052	ppbv 89
9) Propene	3.01	41	995169	9.751	ppbv 89
11) Trichlorofluoromethane	3.95	101	35977	0.168	ppbv 91
12) 1,1,2-Trichlorotrifluoroet	4.49	101	55975	0.335	ppbv # 78
13) Ethanol	3.61	45	820544	79.696	ppbv 88
15) Acetone	3.86	43	11019803	87.215	ppbv # 88
16) 1,3-Butadiene	3.31	39	1212682	12.180	ppbv # 17
17) tert-Butyl alcohol	4.30	59	80742	0.615	ppbv # 71
18) 1,1-Dichloroethene	4.29	96	237669	3.088	ppbv 94
19) Isopropyl Alcohol	3.98	45	327449	4.053	ppbv # 85
20) Methylene Chloride	4.34	84	2039941	29.408	ppbv 96
21) Allyl Chloride	4.34	41	112381	0.964	ppbv # 39
22) trans-1,2-Dichloroethene	4.88	96	1934444	25.294	ppbv 95
23) Vinyl Acetate	5.05	43	1748500	9.190	ppbv # 1
24) 1,1-Dichloroethane	5.01	63	70300	0.447	ppbv 95
25) Ethyl Acetate	5.68	43	1498494	3.993	ppbv # 76
26) Hexane	5.68	57	2100520	11.813	ppbv # 46
27) Carbon Disulfide	4.55	76	51291	0.292	ppbv # 1
28) Methyl tert-Butyl Ether	5.05	73	158051	1.057	ppbv 91
29) Chloroform	5.75	83	3132615	11.814	ppbv 99
30) Cyclohexane	7.13	84	10830	0.071	ppbv # 1
31) cis-1,2-Dichloroethene	5.55	61	25997528	160.253	ppbv # 72
32) 1,1,1-Trichloroethane	6.51	97	876179	3.362	ppbv 97
34) 2-Butanone	5.27	43	2687041	16.613	ppbv # 35
36) Benzene	6.90	78	561824	1.581	ppbv # 92
38) Trichloroethene	8.24	130	289267	1.961	ppbv 87
39) 1,2-Dichloropropane	7.83	63	45627	0.341	ppbv # 1
41) Tetrahydrofuran	6.03	42	41150	0.520	ppbv # 54
42) Bromodichloromethane	7.90	83	1430765	5.600	ppbv # 91
51) 2-Hexanone	10.18	43	70349	0.785	ppbv # 30
52) Tetrachloroethene	11.37	164	17146919	127.158	ppbv 89
53) Toluene	9.84	91	324338	0.851	ppbv # 20
56) 1,1,1,2-Tetrachloroethane	12.01	131	6046145	44.764	ppbv # 31
57) Chlorobenzene	12.42	112	70207	0.263	ppbv # 81
58) Ethyl Benzene	12.90	91	602211	1.472	ppbv 99
59) m/p-Xylene	13.14	91	1934630	5.320	ppbv 98
60) o-Xylene	13.83	91	692566	2.020	ppbv 98

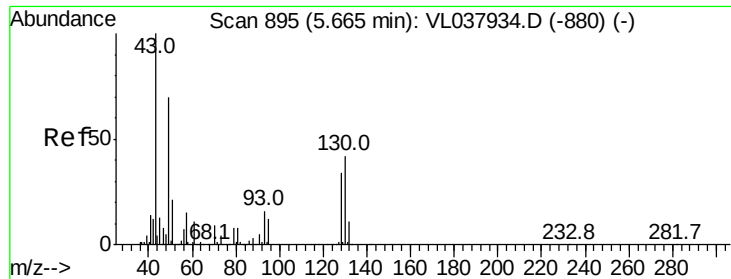
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\
Data File : VL038013.D
Acq On : 10 Nov 2021 17:28
Operator : SY/AP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 02 05:54:07 2021
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.91	120	65471	0.526	ppbv #	1
71) 2-Chlorotoluene	15.84	91	30433	0.089	ppbv	68
72) 4-Ethyltoluene	16.37	105	61590	0.157	ppbv #	62
73) 1,3,5-Trimethylbenzene	16.37	105	61590	0.167	ppbv #	64
74) 1,2,4-Trimethylbenzene	16.81	105	537236	1.394	ppbv #	76

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 10 Nov 2021 17:28

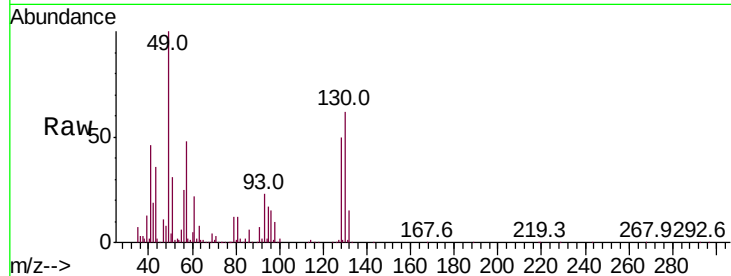
Tot Ion: 49 Resp: 1529069

Ion Ratio Lower Upper

49 100

128 51.3 27.0 81.0

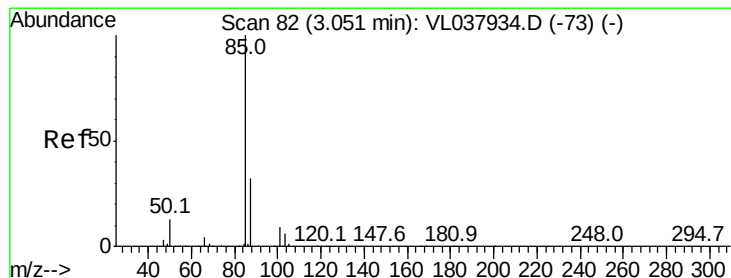
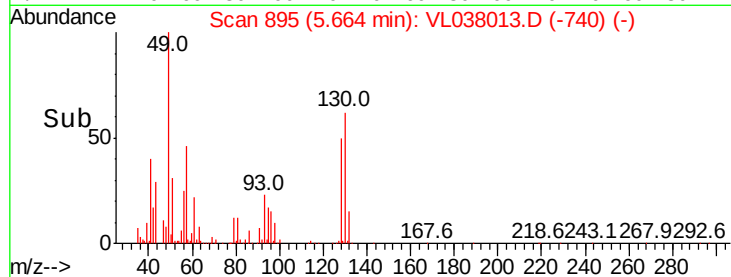
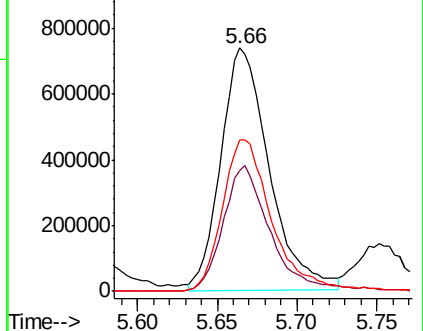
130 64.8 33.4 100.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.596 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038013.D

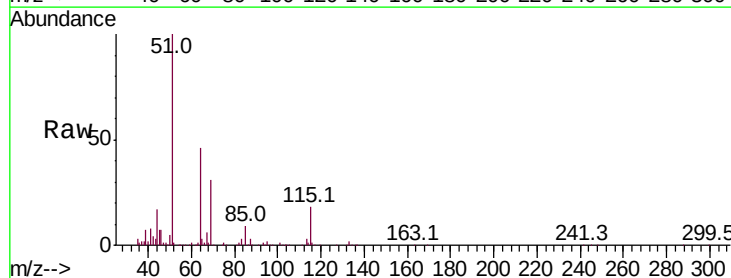
Acq: 10 Nov 2021 17:28

Tgt Ion: 85 Resp: 128409

Ion Ratio Lower Upper

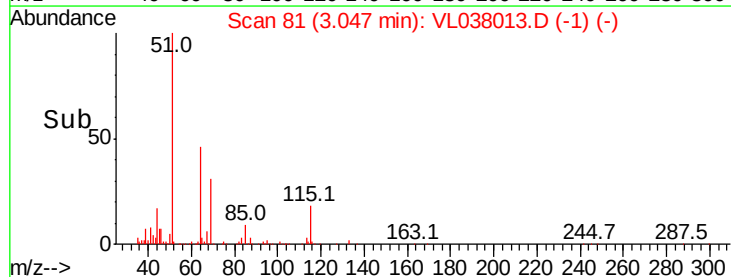
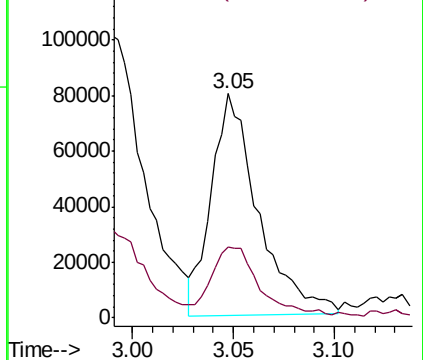
85 100

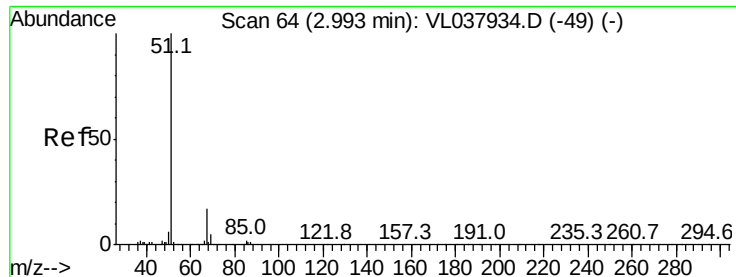
87 30.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 46.410 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

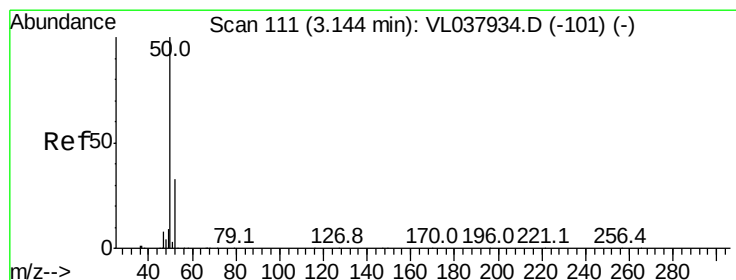
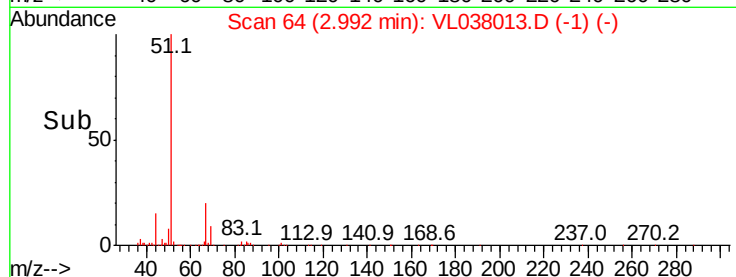
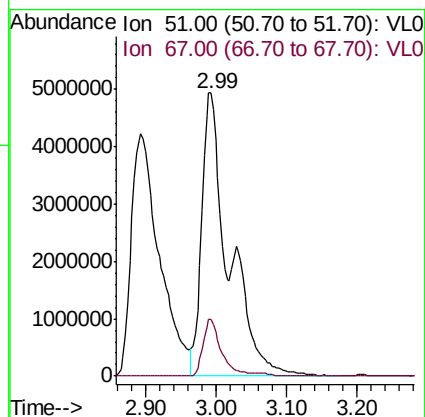
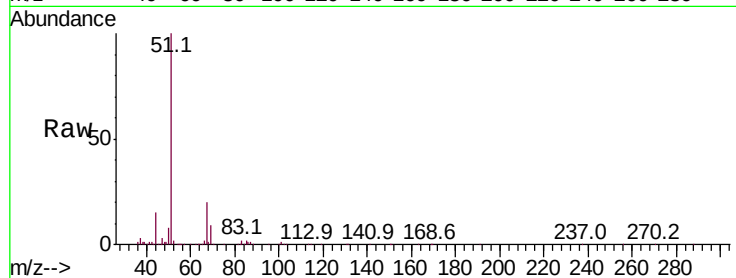
Acq: 10 Nov 2021 17:28

Tot Ion: 51 Resp: 13210696

Ion Ratio Lower Upper

51 100

67 14.4 13.4 20.0



#4

Chloromethane

Concen: 0.247 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL038013.D

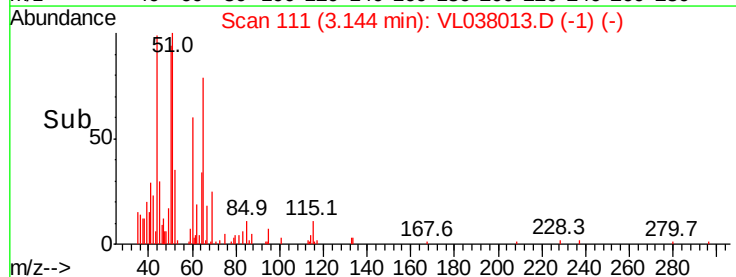
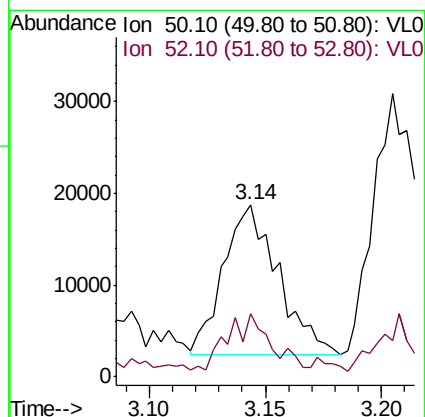
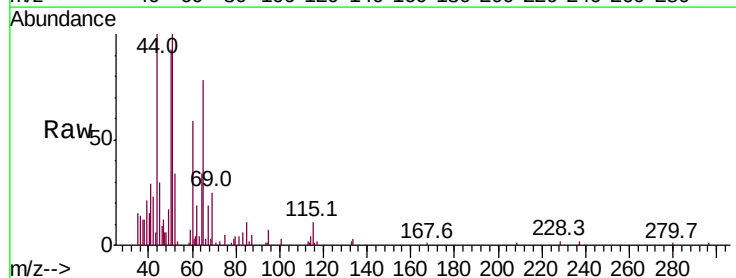
Acq: 10 Nov 2021 17:28

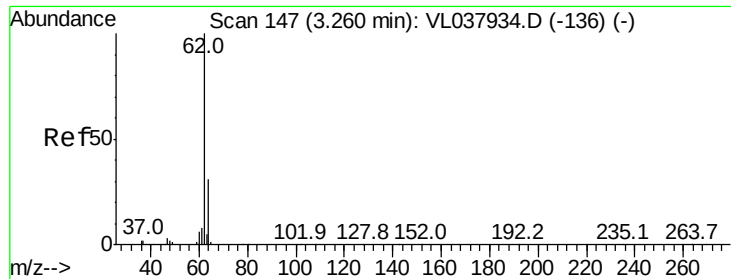
Tgt Ion: 50 Resp: 26706

Ion Ratio Lower Upper

50 100

52 37.5 26.3 39.5





#5

Vinyl Chloride

Concen: 0.132 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

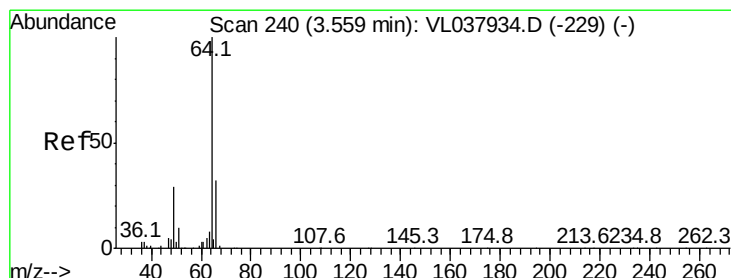
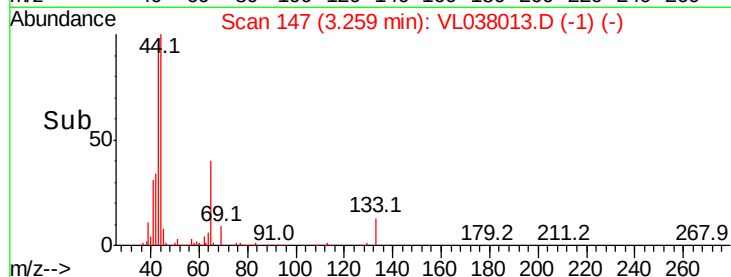
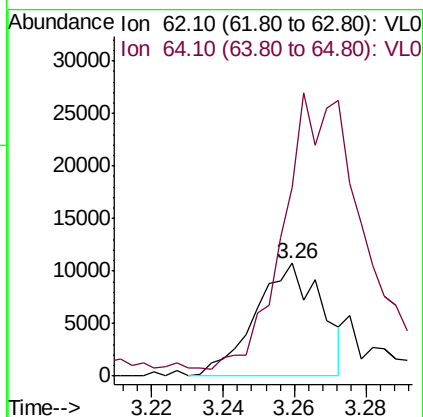
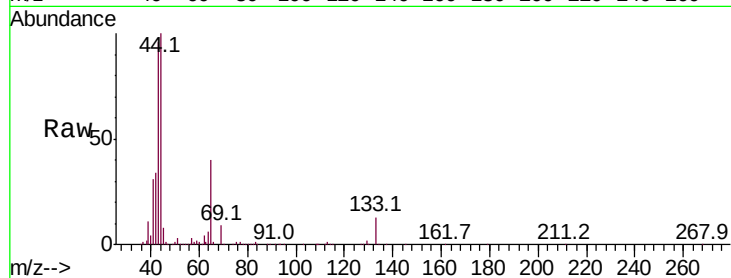
Acq: 10 Nov 2021 17:28

Tot Ion: 62 Resp: 13720

Ion Ratio Lower Upper

62 100

64 159.2 24.7 37.1#



#7

Chloroethane

Concen: 0.052 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL038013.D

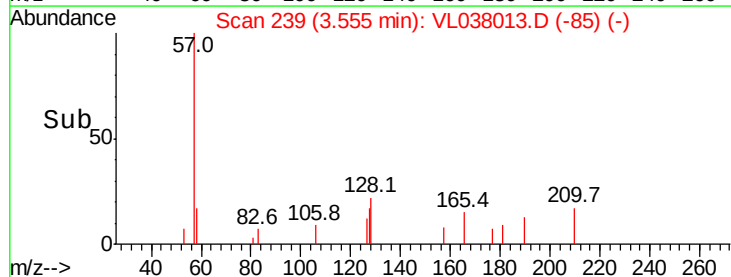
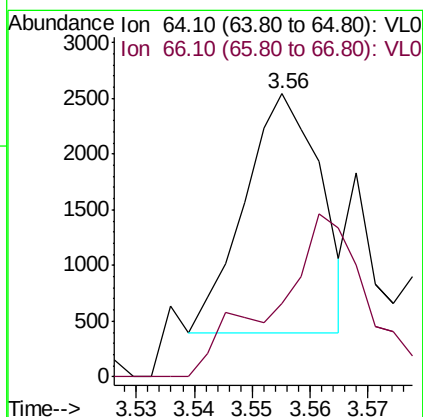
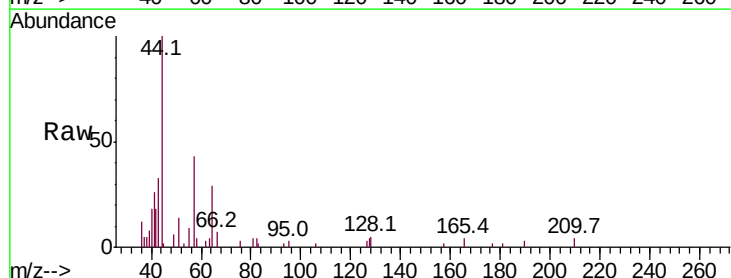
Acq: 10 Nov 2021 17:28

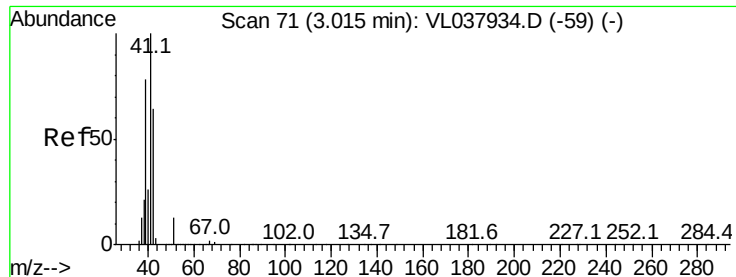
Tgt Ion: 64 Resp: 1956

Ion Ratio Lower Upper

64 100

66 25.7 25.5 38.3





#9

Propene

Concen: 9.751 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

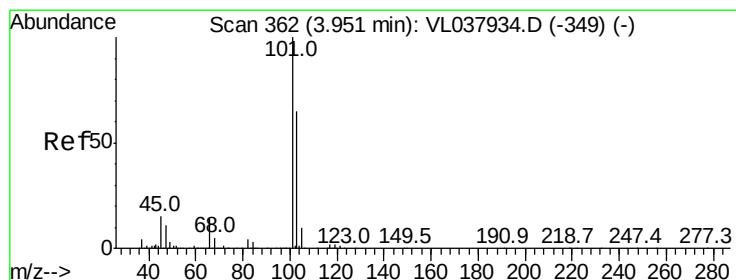
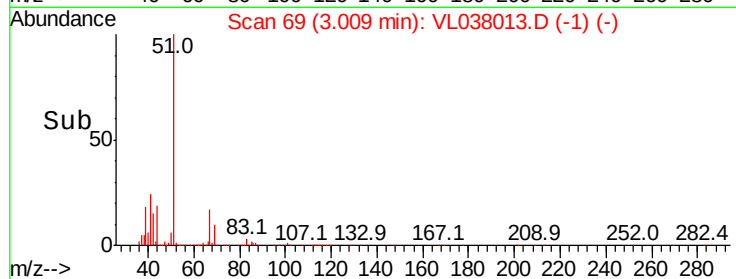
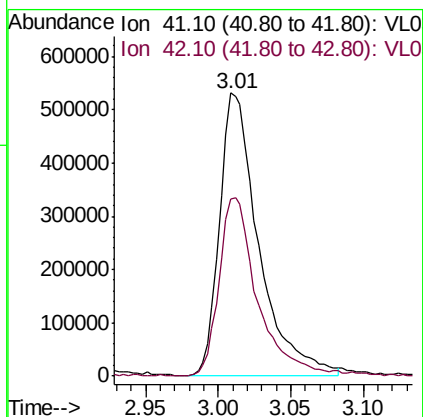
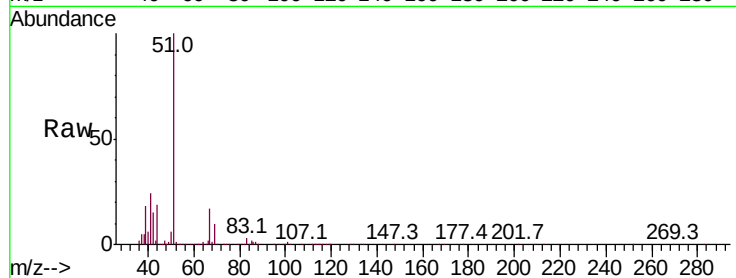
Acq: 10 Nov 2021 17:28

Tot Ion: 41 Resp: 995169

Ion Ratio Lower Upper

41 100

42 63.1 57.6 86.4



#11

Trichlorofluoromethane

Concen: 0.168 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.00 min

Lab File: VL038013.D

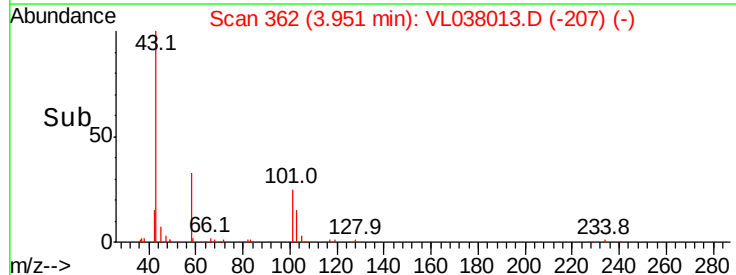
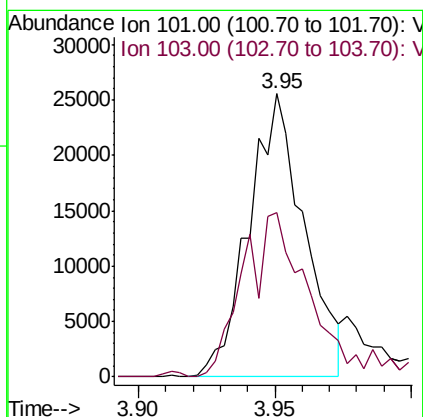
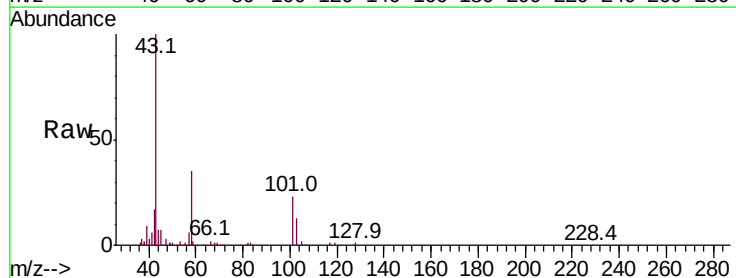
Acq: 10 Nov 2021 17:28

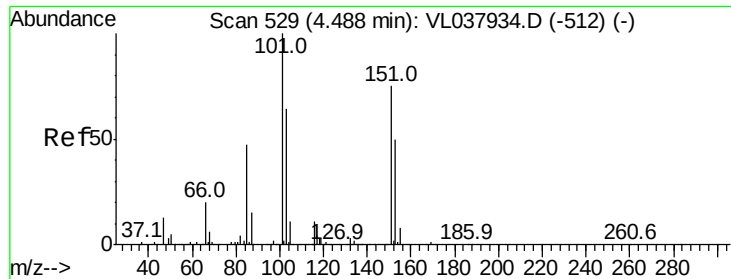
Tgt Ion: 101 Resp: 35977

Ion Ratio Lower Upper

101 100

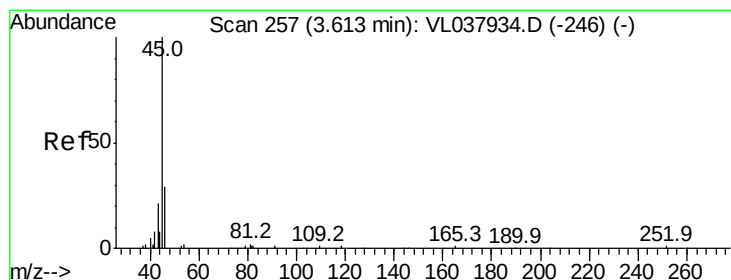
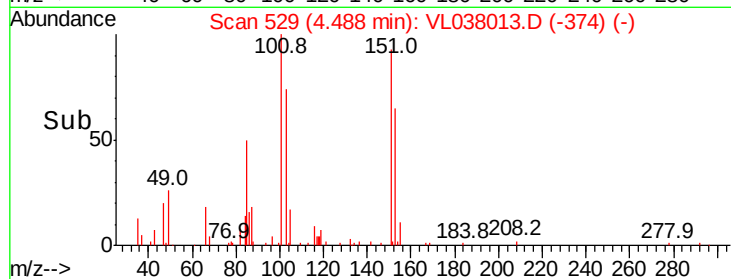
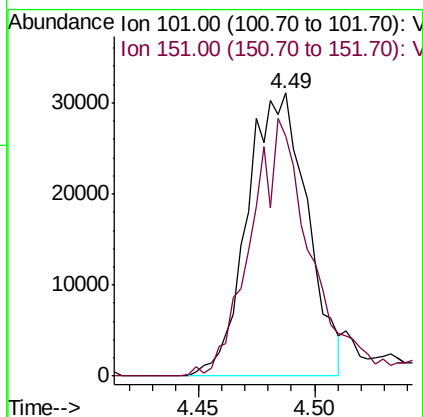
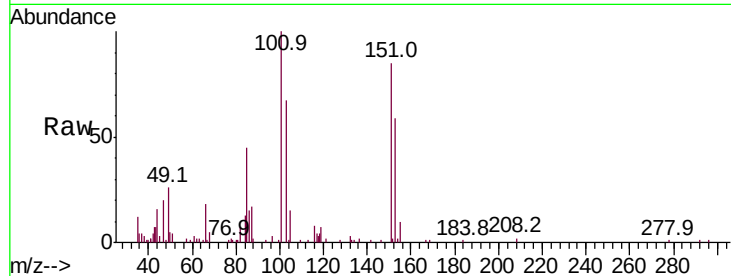
103 58.1 52.0 78.0





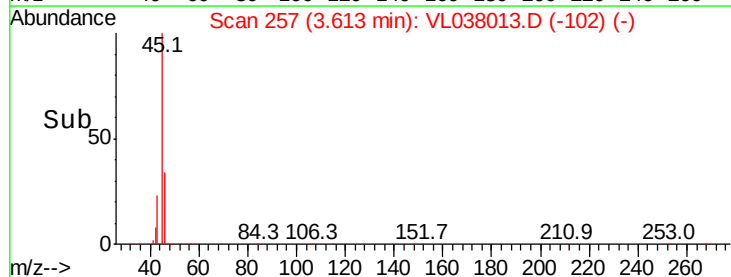
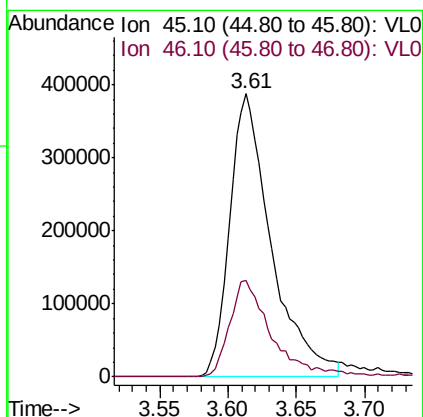
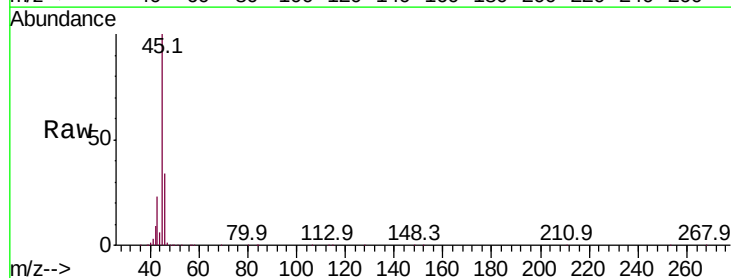
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.335 ppbv
 RT: 4.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 17:28

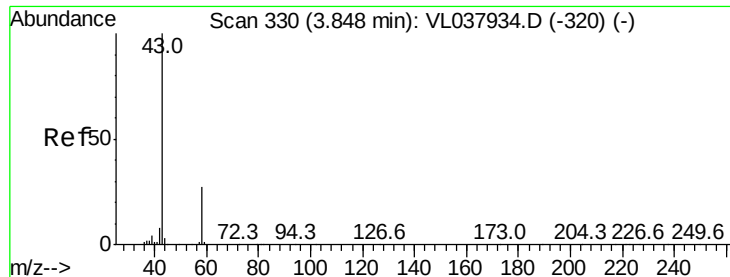
Tot Ion: 101 Resp: 55975
 Ion Ratio Lower Upper
 101 100
 151 96.1 61.8 92.8#



#13
 Ethanol
 Concen: 79.696 ppbv
 RT: 3.61 min Scan# 257
 Delta R.T. -0.00 min
 Lab File: VL038013.D
 Acq: 10 Nov 2021 17:28

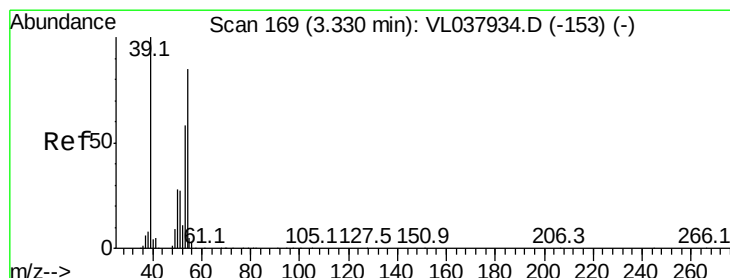
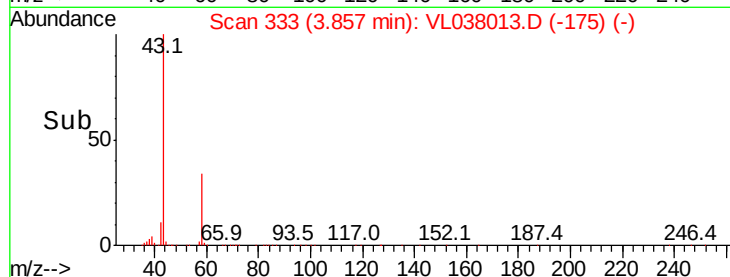
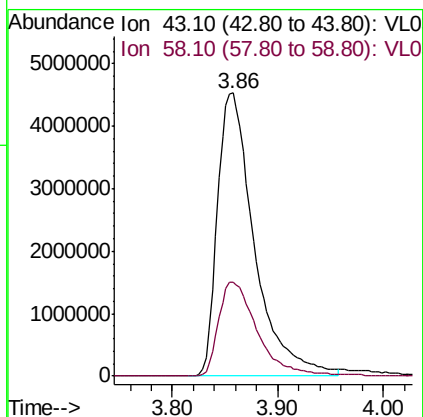
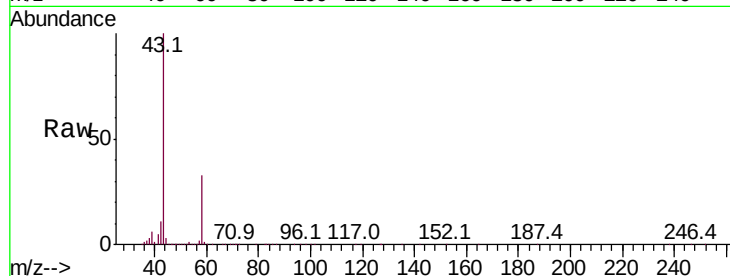
Tgt Ion: 45 Resp: 820544
 Ion Ratio Lower Upper
 45 100
 46 35.9 17.4 69.8





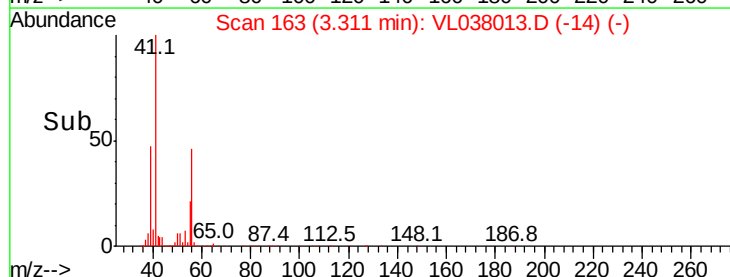
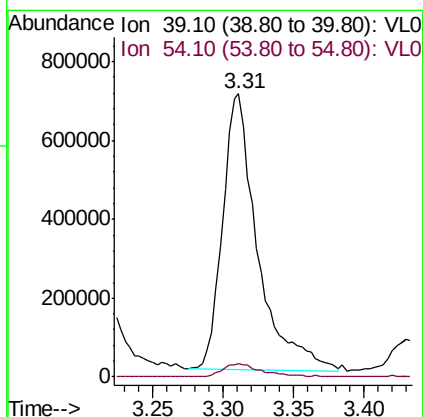
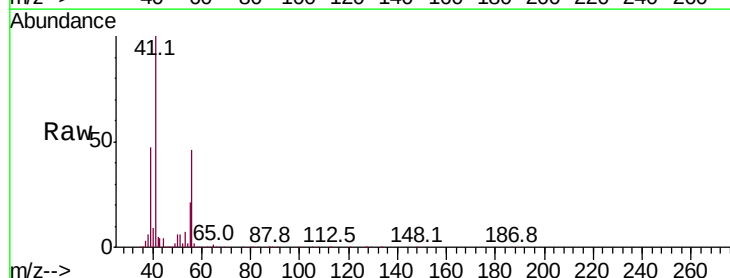
#15
Acetone
Concen: 87.215 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 Nov 2021 17:28

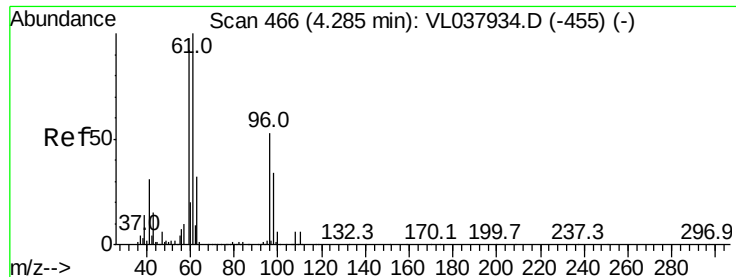
Tot Ion: 43 Resp: 11019803
Ion Ratio Lower Upper
43 100
58 35.5 23.3 34.9#



#16
1,3-Butadiene
Concen: 12.180 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.02 min
Lab File: VL038013.D
Acq: 10 Nov 2021 17:28

Tgt Ion: 39 Resp: 1212682
Ion Ratio Lower Upper
39 100
54 5.6 62.6 93.8#





#17

tert-Butyl alcohol

Concen: 0.615 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

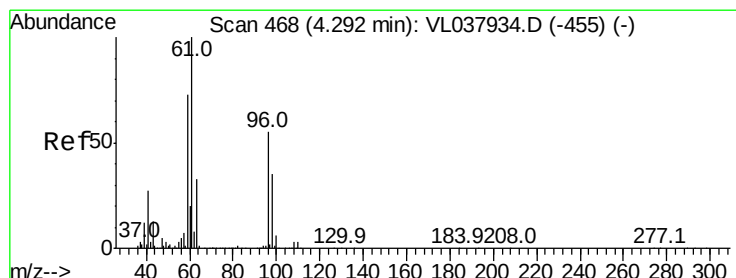
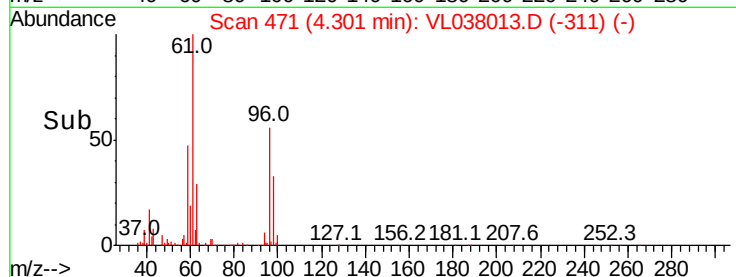
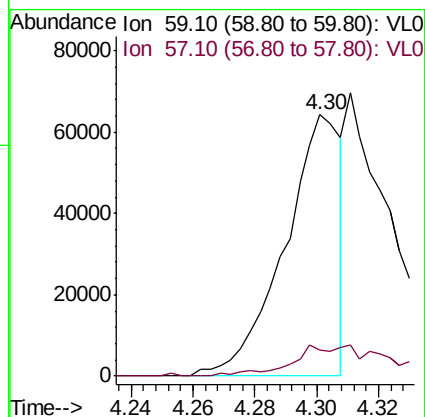
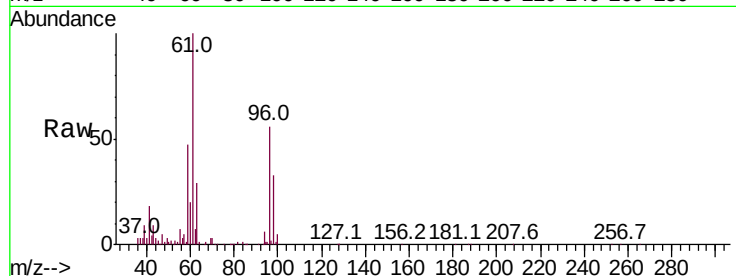
Acq: 10 Nov 2021 17:28

Tot Ion: 59 Resp: 80742

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#18

1,1-Dichloroethene

Concen: 3.088 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

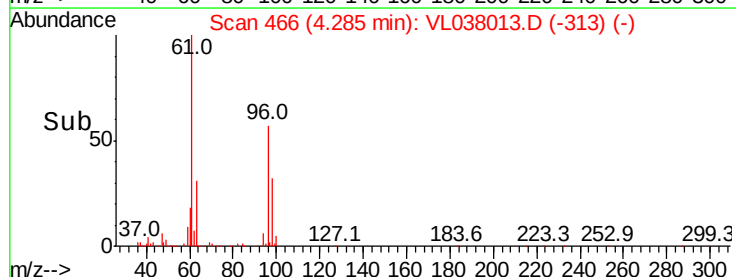
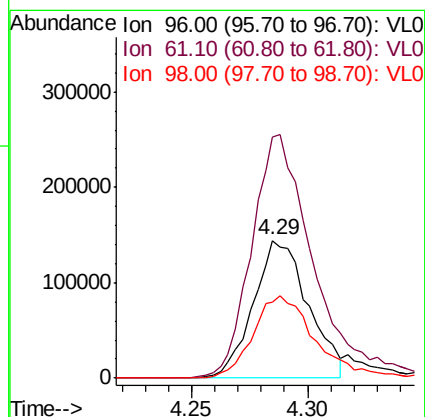
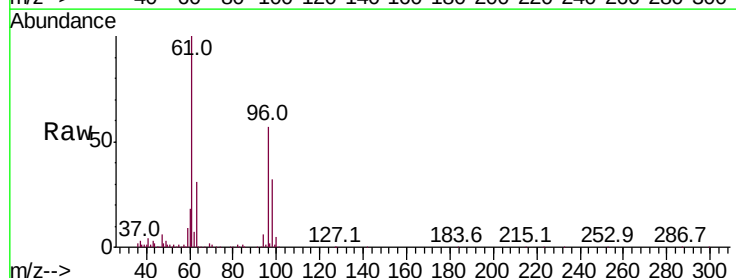
Tgt Ion: 96 Resp: 237669

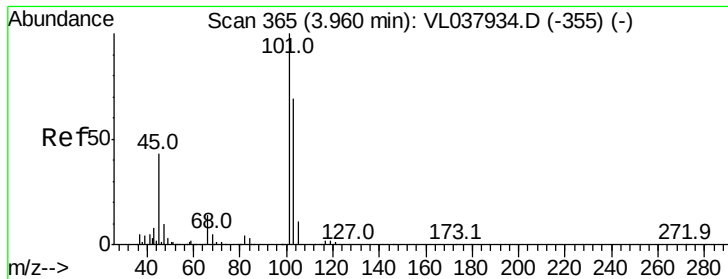
Ion Ratio Lower Upper

96 100

61 174.6 144.3 216.5

98 55.1 50.5 75.7





#19

Isopropyl Alcohol

Concen: 4.053 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

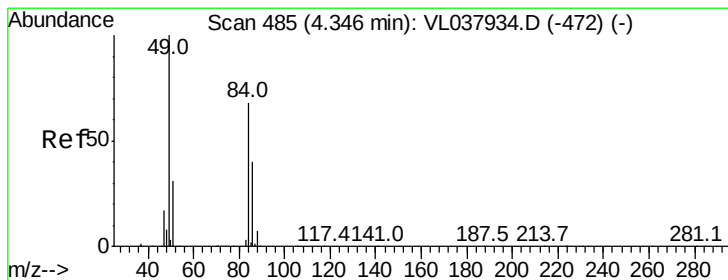
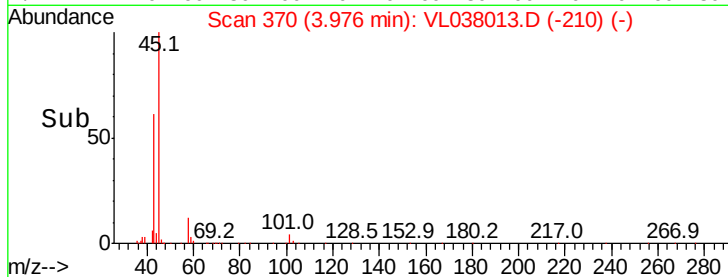
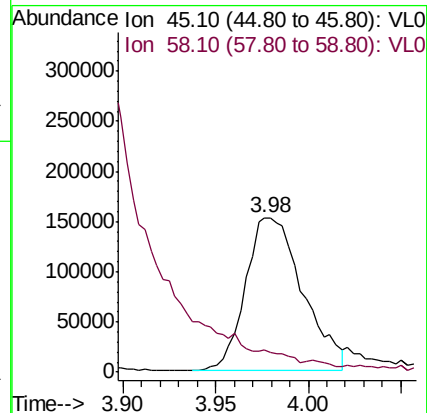
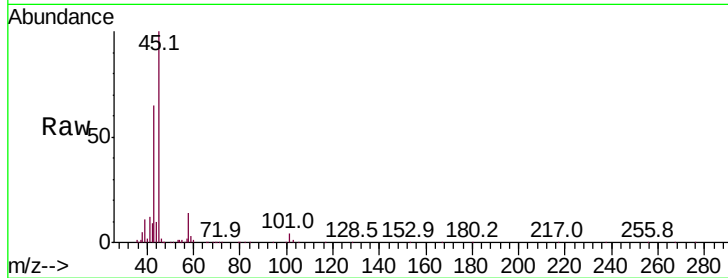
Acq: 10 Nov 2021 17:28

Tot Ion: 45 Resp: 327449

Ion Ratio Lower Upper

45 100

58 0.0 4.0 6.0#



#20

Methylene Chloride

Concen: 29.408 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

Tgt Ion: 84 Resp: 2039941

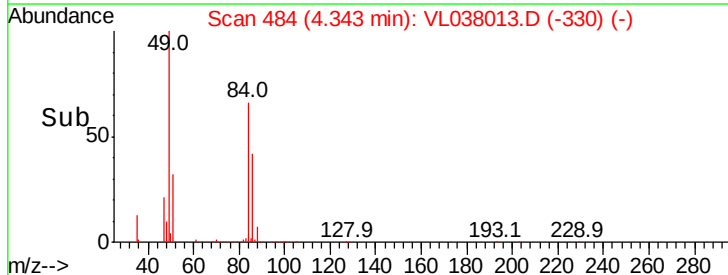
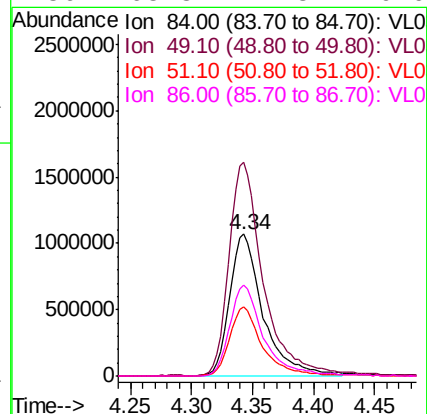
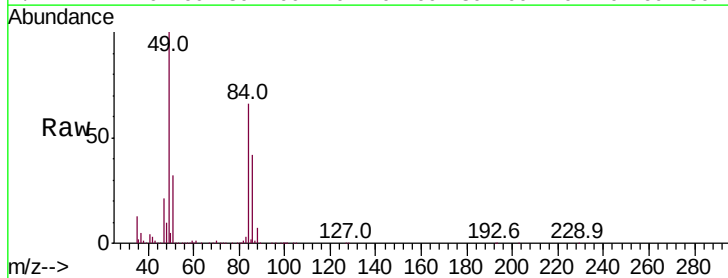
Ion Ratio Lower Upper

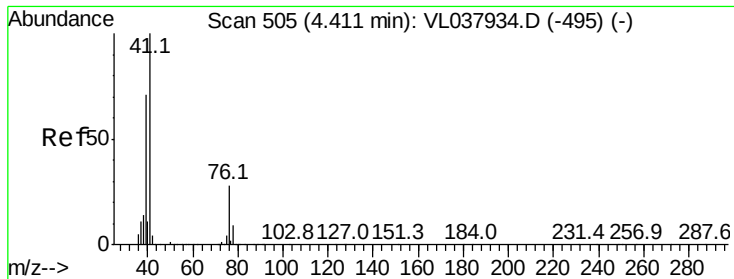
84 100

49 150.6 117.5 176.3

51 48.6 35.9 53.9

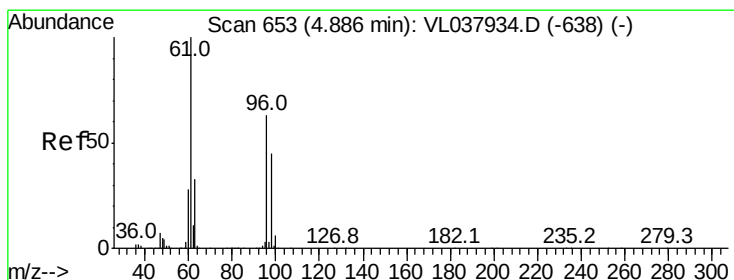
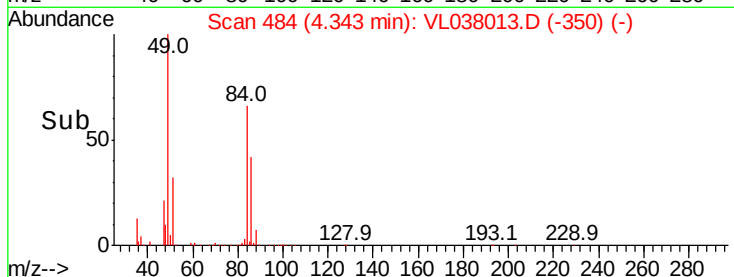
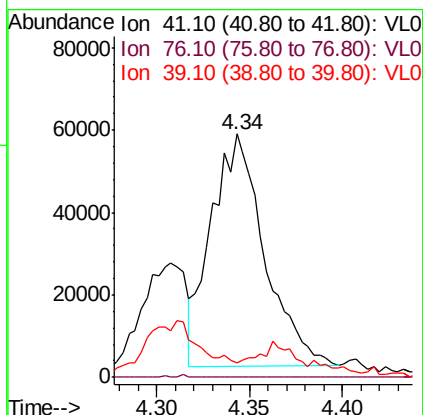
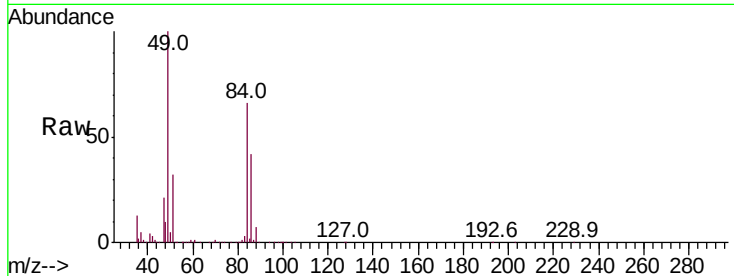
86 63.8 47.3 70.9





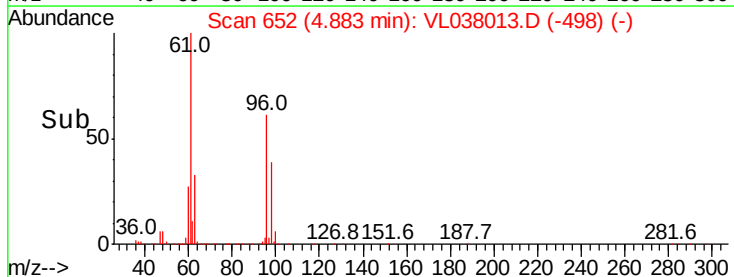
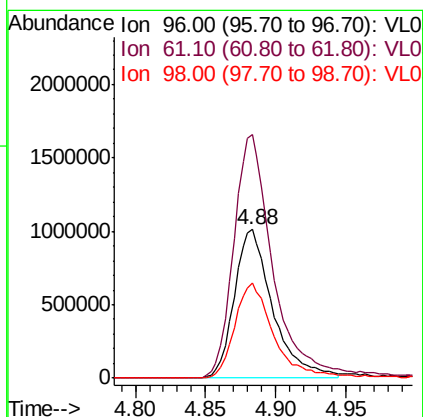
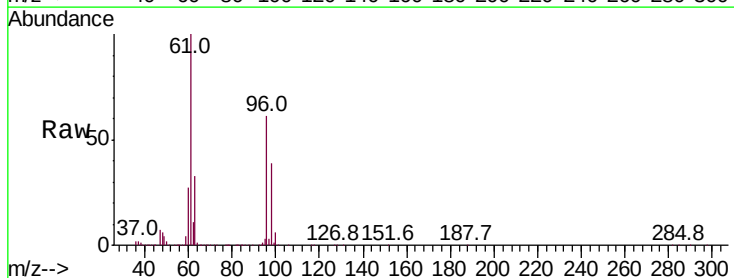
#21
 Allvl Chloride
 Concen: 0.964 ppbv
 RT: 4.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 17:28

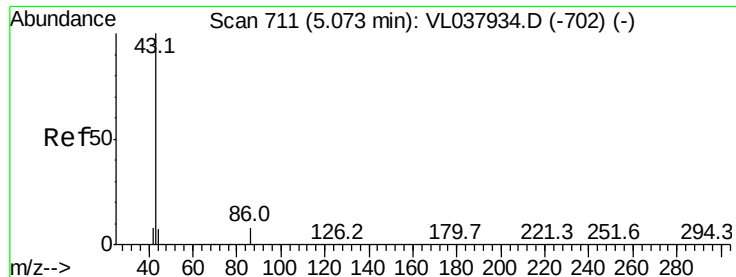
Tot Ion	Ratio	Lower	Upper
41	100		
76	46.8	23.6	35.4#
39	12.6	59.7	89.5#



#22
 trans-1,2-Dichloroethene
 Concen: 25.294 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VL038013.D
 Acq: 10 Nov 2021 17:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	127.8	191.6
98	64.4	56.9	85.3





#23

Vinyl Acetate

Concen: 9.190 ppbv

RT: 5.05 Instrument:

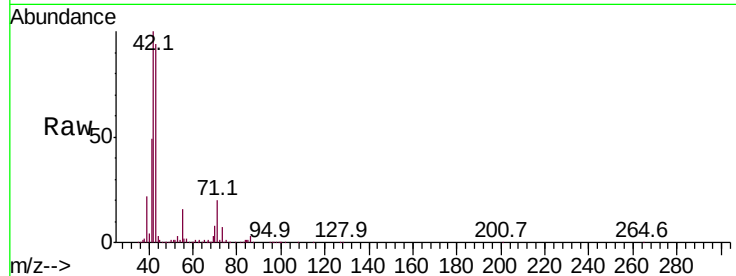
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 Nov 2021 17:28

Tot Ion: 43 Resp: 1748500

Ion	Ratio	Lower	Upper
43	100		
86	2.7	5.5	8.3#
42	106.3	7.4	11.2#
44	2.9	4.7	7.1#

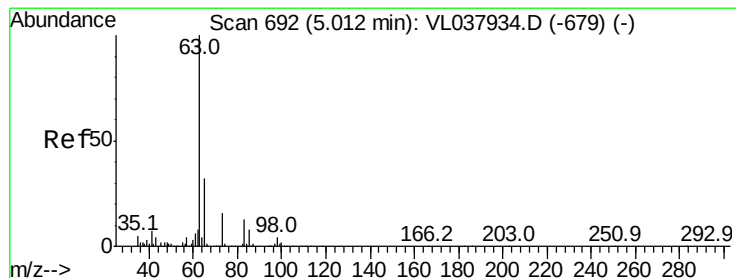
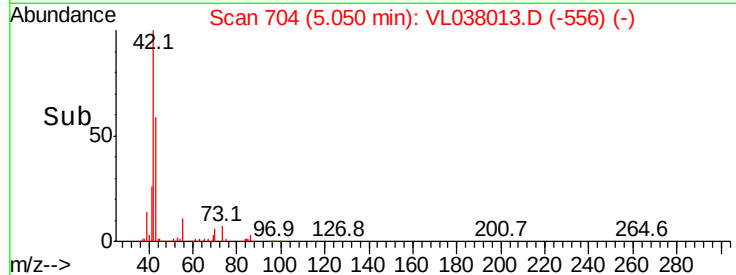
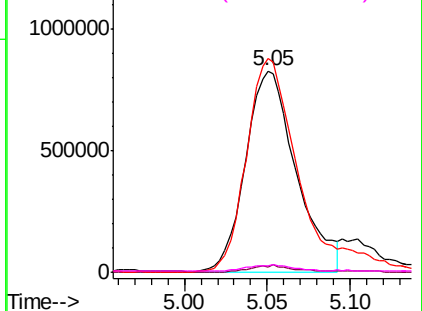


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.447 ppbv

RT: 5.01 min Scan# 692

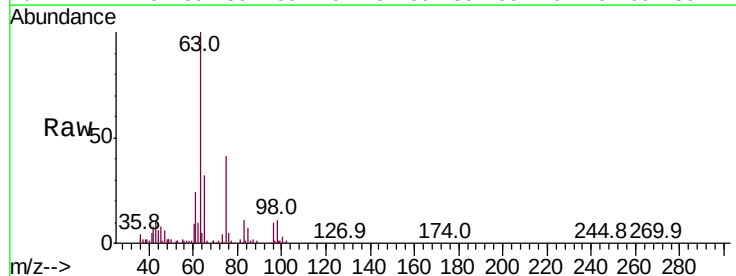
Delta R.T. -0.00 min

Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

Tgt Ion: 63 Resp: 70300

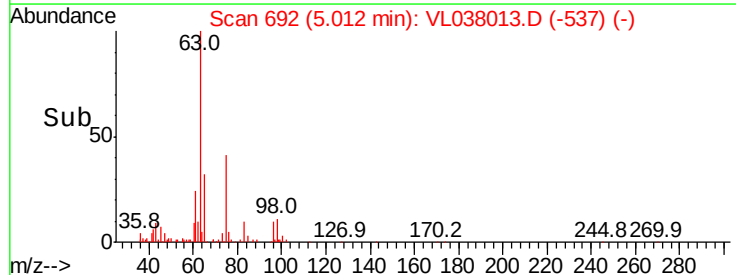
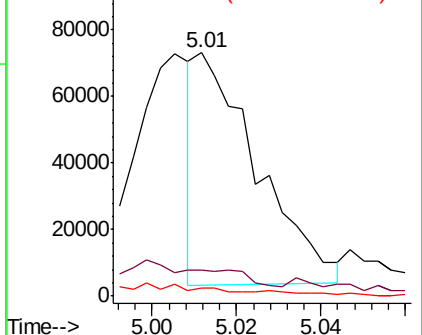
Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.3	6.9
100	3.1	1.2	3.6

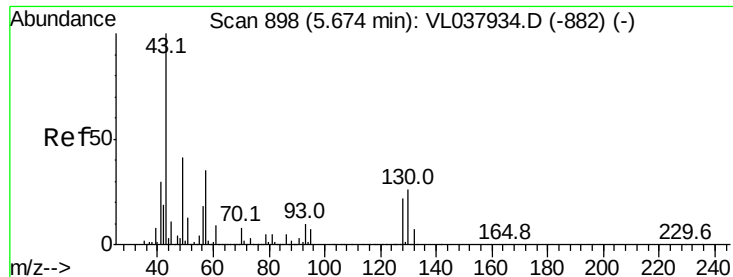


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 3.993 ppbv

RT: 5.68 Instrument:

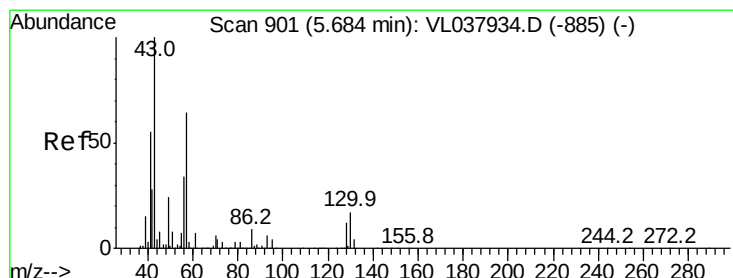
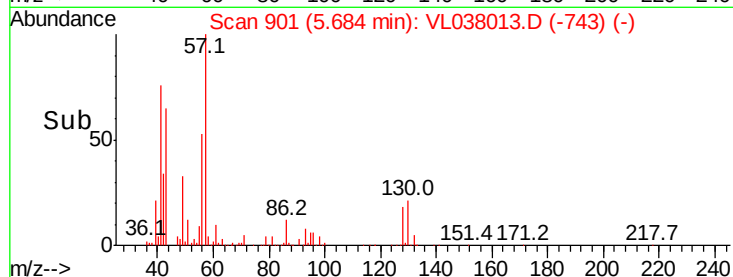
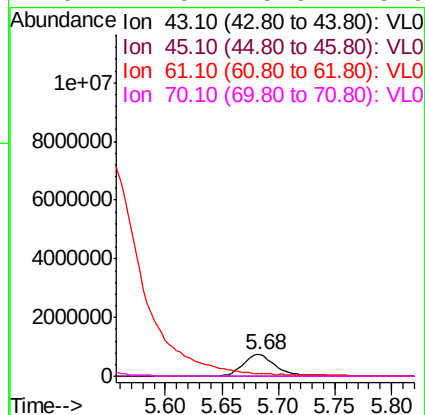
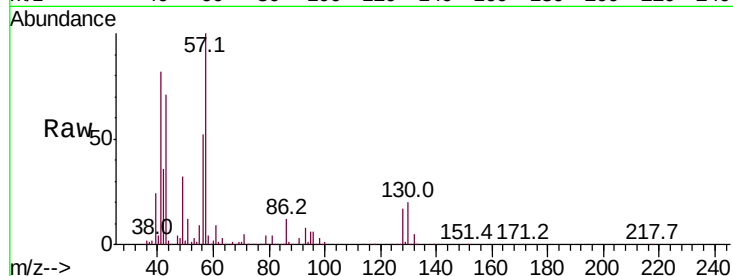
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 17:28

Tot Ion: 43 Resp: 1498494

Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.1	12.1#
61	0.0	8.1	12.1#
70	1.5	5.8	8.6#



#26

Hexane

Concen: 11.813 ppbv

RT: 5.68 min Scan# 901

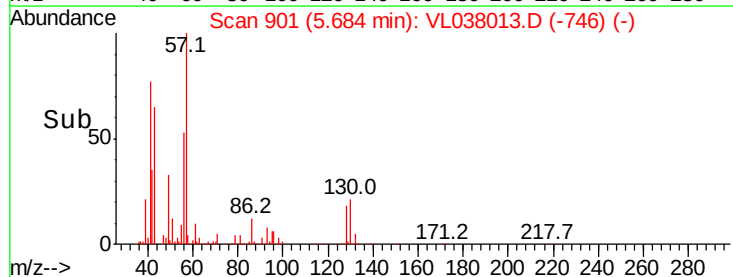
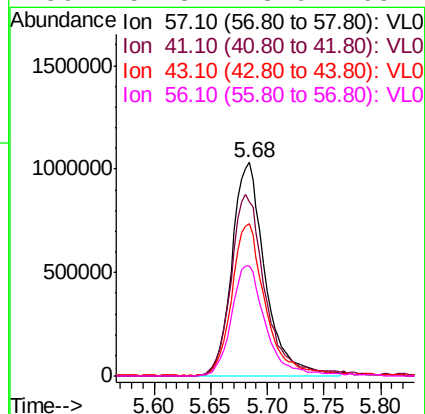
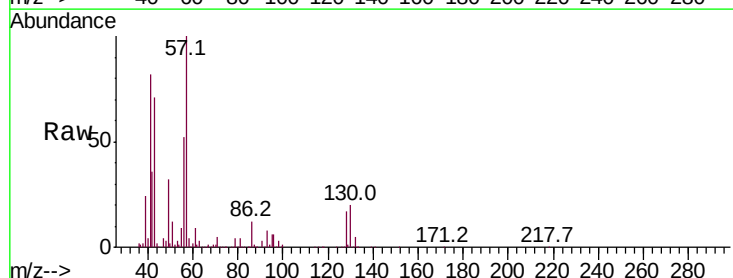
Delta R.T. -0.00 min

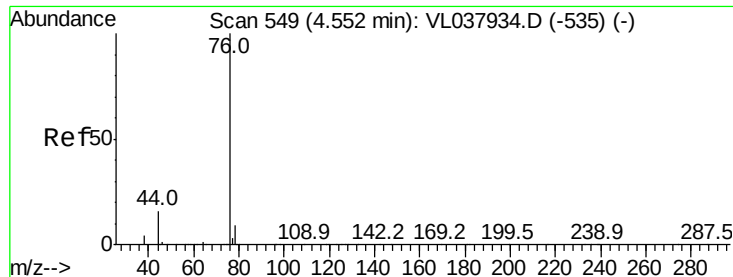
Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

Tgt Ion: 57 Resp: 2100520

Ion	Ratio	Lower	Upper
57	100		
41	89.4	71.0	106.6
43	73.0	173.0	259.6#
56	54.3	43.6	65.4





#27

Carbon Disulfide

Concen: 0.292 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 17:28

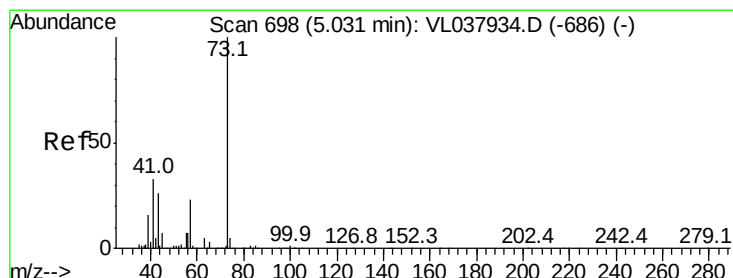
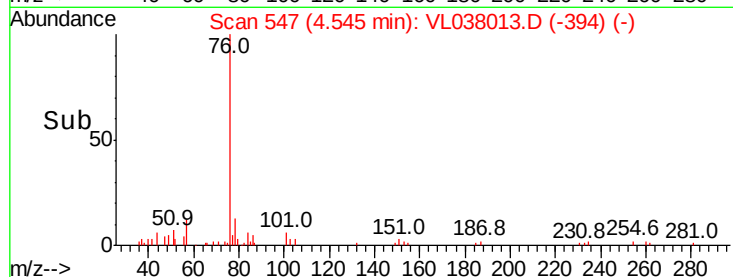
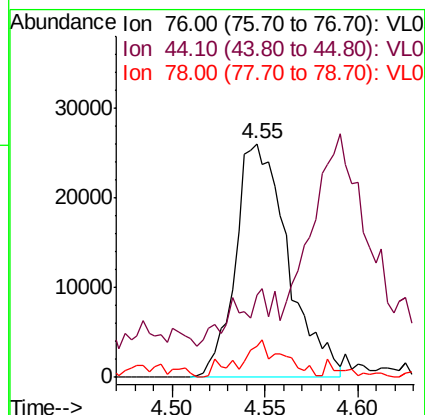
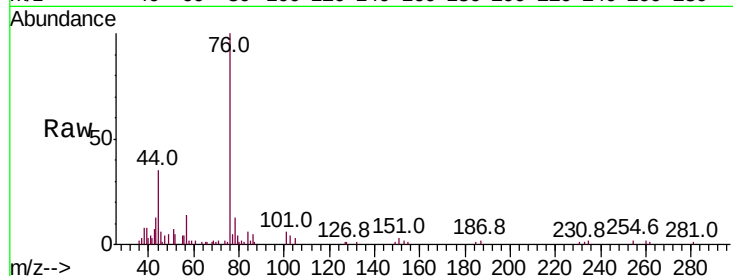
Tot Ion: 76 Resp: 51291

Ion Ratio Lower Upper

76 100

44 121.7 13.2 19.8#

78 16.0 7.2 10.8#



#28

Methyl tert-Butyl Ether

Concen: 1.057 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL038013.D

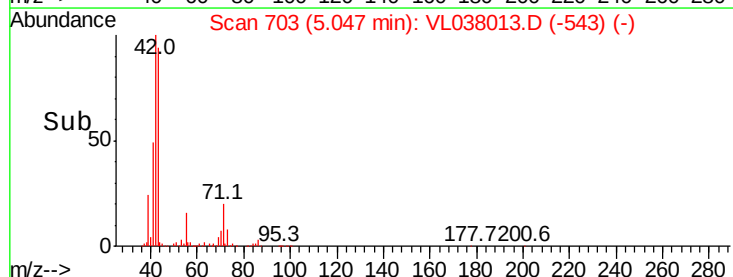
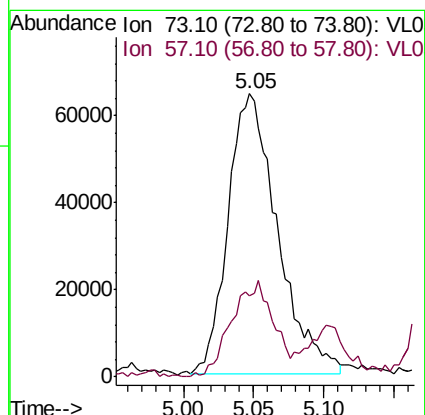
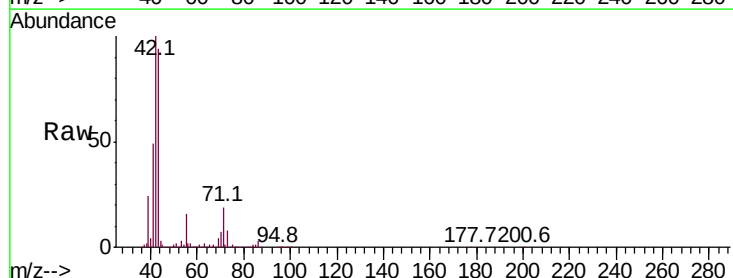
Acq: 10 Nov 2021 17:28

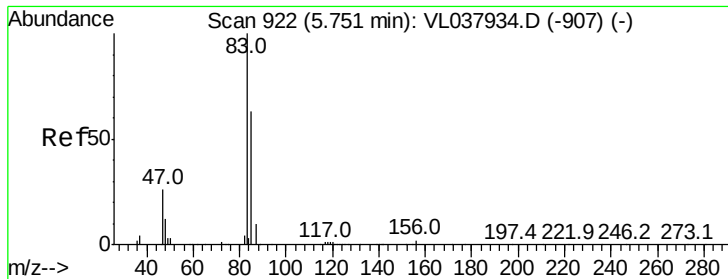
Tgt Ion: 73 Resp: 158051

Ion Ratio Lower Upper

73 100

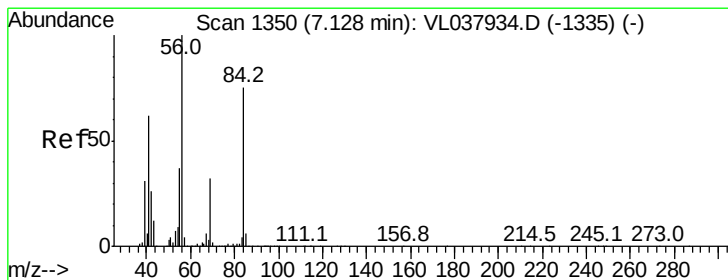
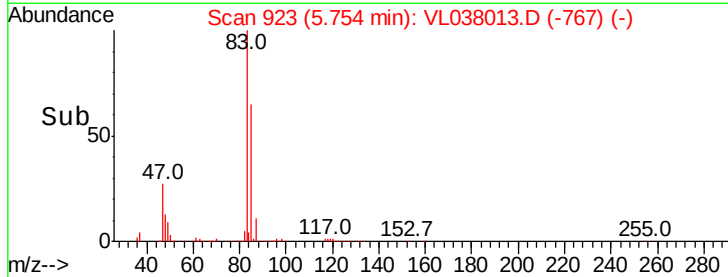
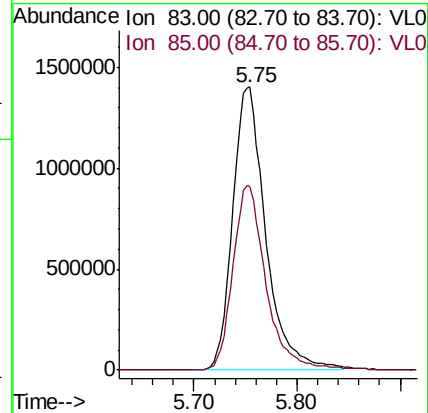
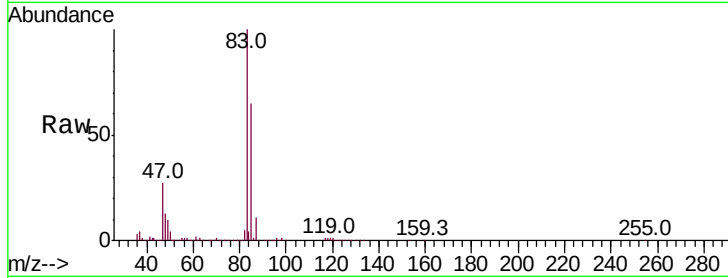
57 29.9 20.1 30.1





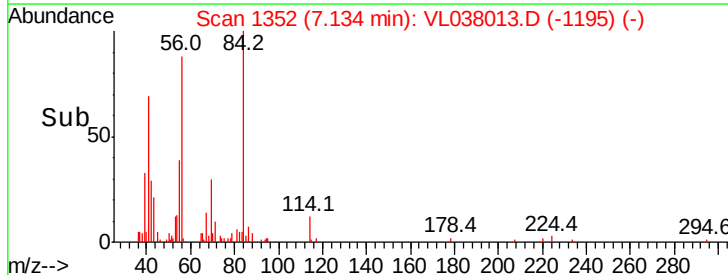
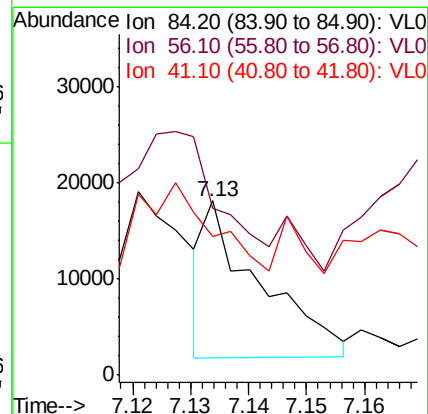
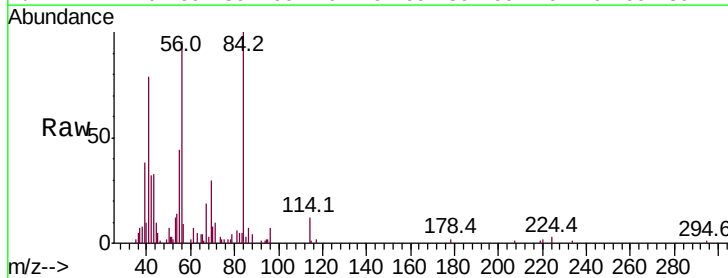
#29
Chloroform
Concen: 11.814 ppbv
RT: 5.75 Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 10 Nov 2021 17:28

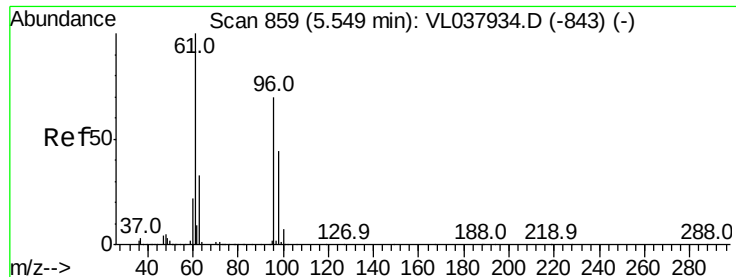
Tot Ion: 83 Resp: 3132615
Ion Ratio Lower Upper
83 100
85 64.4 50.6 76.0



#30
Cyclohexane
Concen: 0.071 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.01 min
Lab File: VL038013.D
Acq: 10 Nov 2021 17:28

Tgt Ion: 84 Resp: 10830
Ion Ratio Lower Upper
84 100
56 521.2 114.0 171.0#
41 639.9 68.3 102.5#





#31

cis-1,2-Dichloroethene

Concen: 160.253 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 17:28

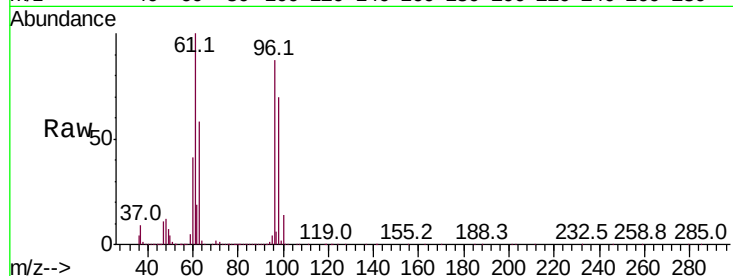
Tot Ion: 61 Resp: 25997528

Ion Ratio Lower Upper

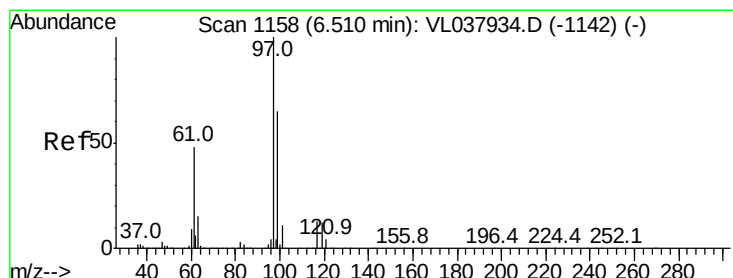
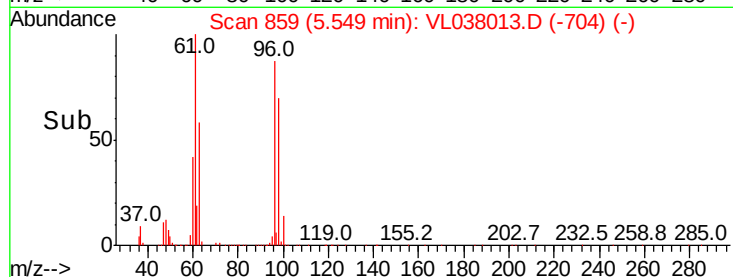
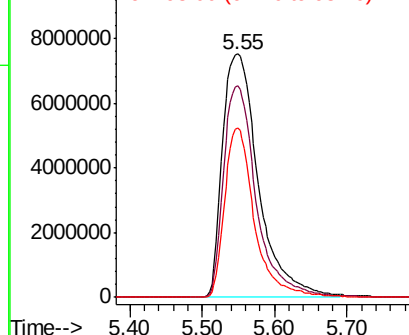
61 100

96 86.7 55.6 83.4#

98 69.6 34.9 52.3#



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: 3.362 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

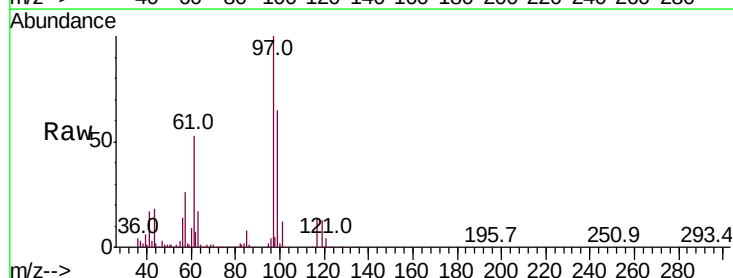
Tgt Ion: 97 Resp: 876179

Ion Ratio Lower Upper

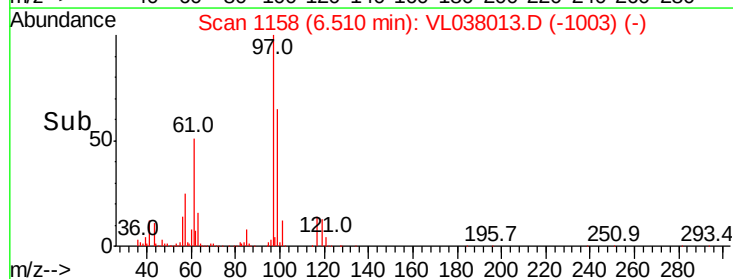
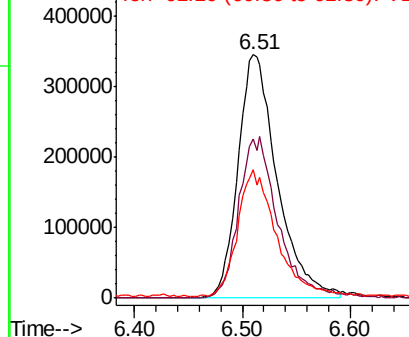
97 100

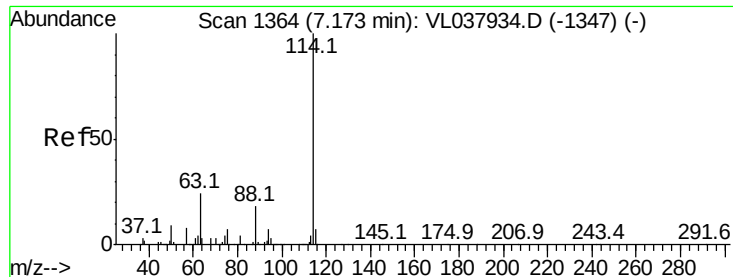
99 66.6 52.2 78.4

61 52.5 39.8 59.6



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 min

Instrument: MSVOA_1

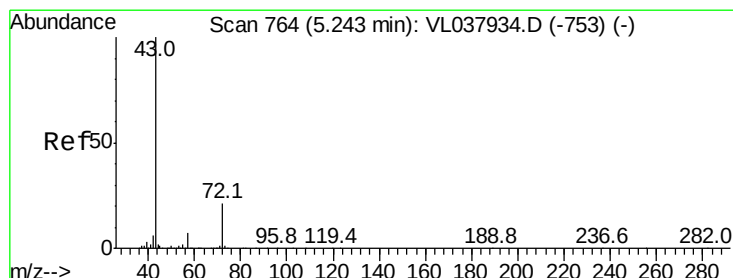
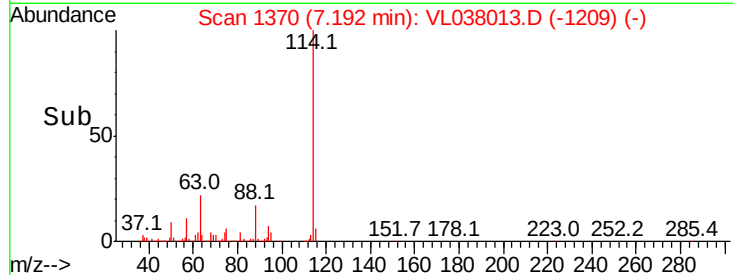
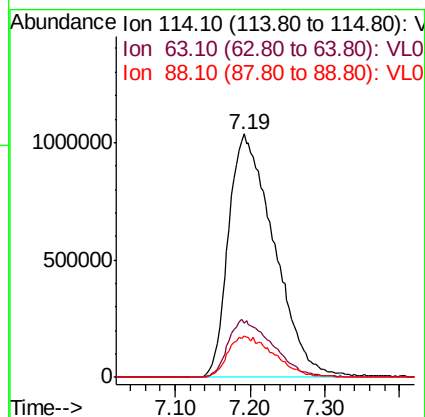
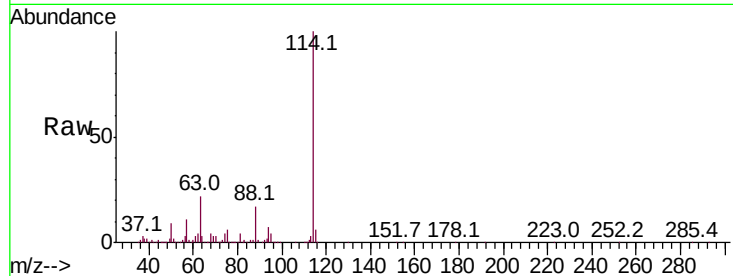
Delta R.T.:

Lab File: ClientSampleId:

Acq: 10 Nov 2021 17:28

Tot Ion: 114 Resp: 4364977

Ion	Ratio	Lower	Upper
114	100		
63	23.3	19.4	29.0
88	17.4	14.2	21.4



#34

2-Butanone

Concen: 16.613 ppbv

RT: 5.27 min Scan# 771

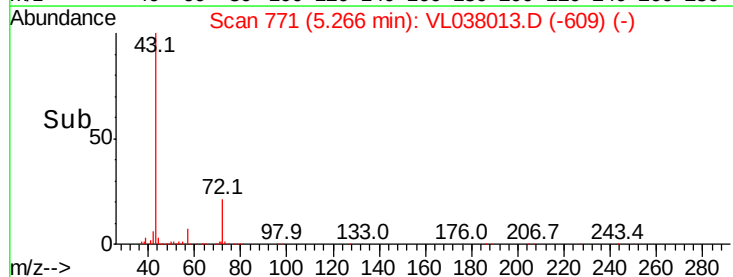
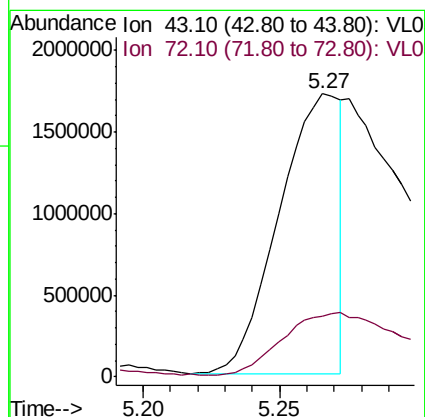
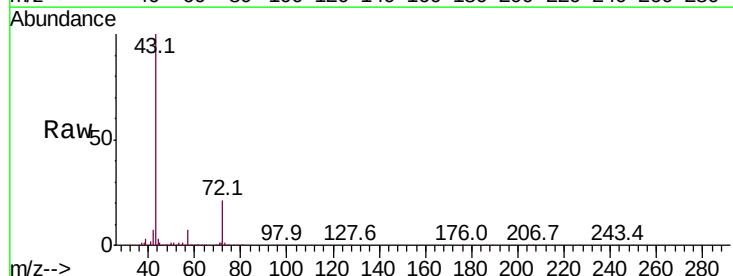
Delta R.T. 0.02 min

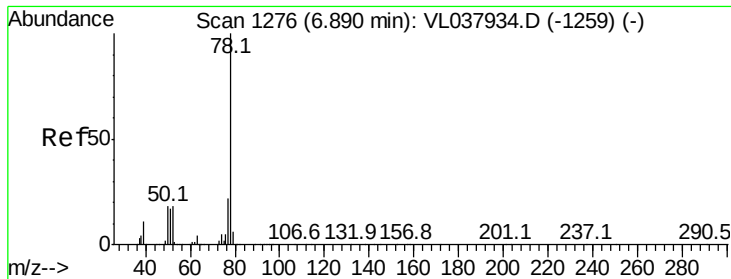
Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

Tgt Ion: 43 Resp: 2687041

Ion	Ratio	Lower	Upper
43	100		
72	54.5	18.3	27.5#





#36

Benzene

Concen: 1.581 ppbv

RT: 6.90 Instrument:

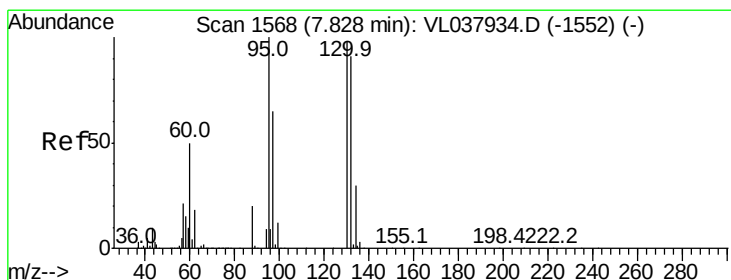
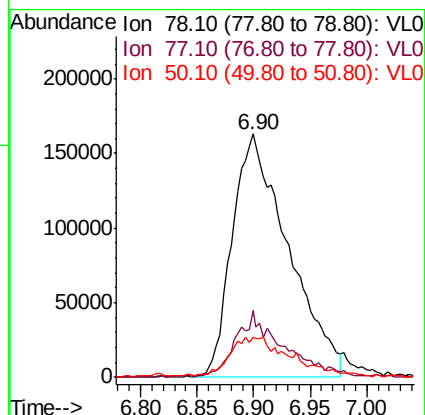
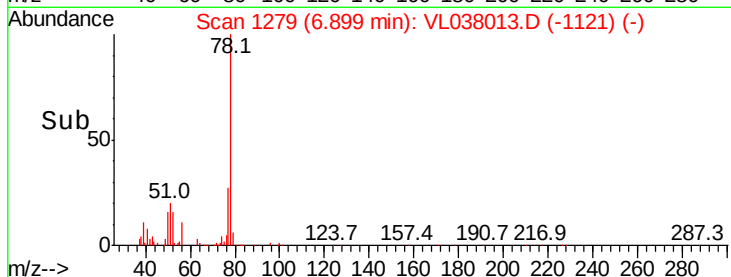
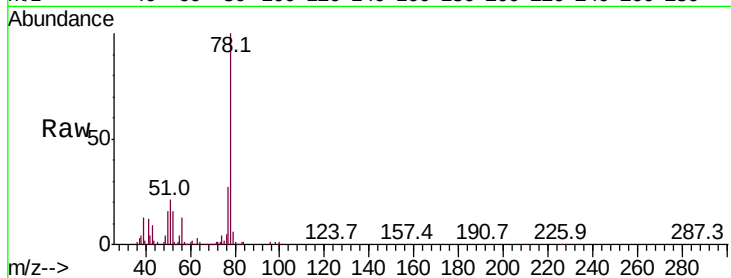
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 Nov 2021 17:28

Tot Ion: 78 Resp: 561824

Ion	Ratio	Lower	Upper
78	100		
77	26.9	17.9	26.9#
50	15.2	14.4	21.6



#38

Trichloroethene

Concen: 1.961 ppbv

RT: 8.24 min Scan# 1695

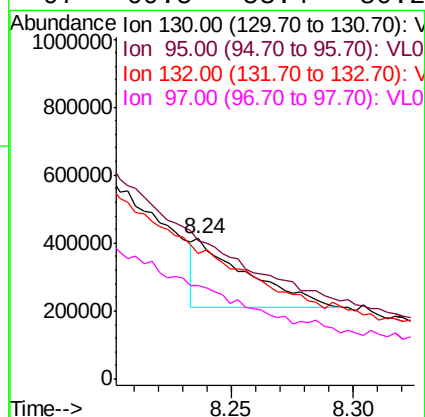
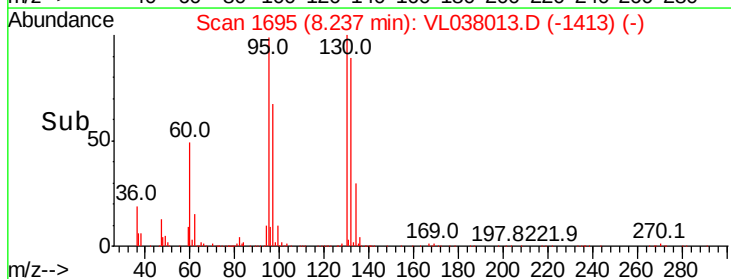
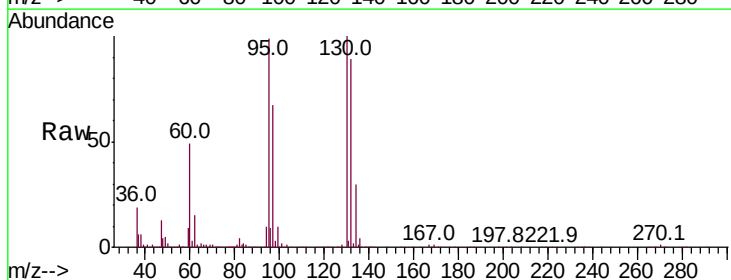
Delta R.T. 0.41 min

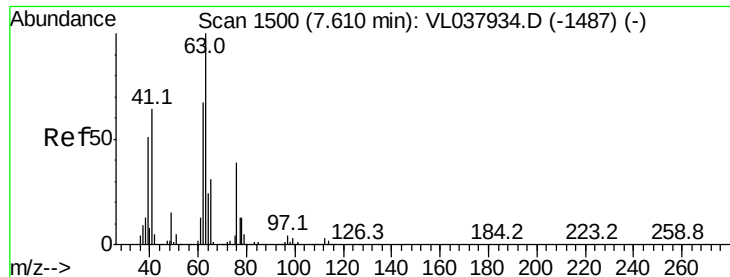
Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

Tgt Ion: 130 Resp: 289267

Ion	Ratio	Lower	Upper
130	100		
95	87.7	81.8	122.8
132	75.8	74.2	111.2
97	69.5	53.4	80.2





#39

1,2-Dichloropropane

Concen: 0.341 ppbv

RT: 7.83 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 10 Nov 2021 17:28

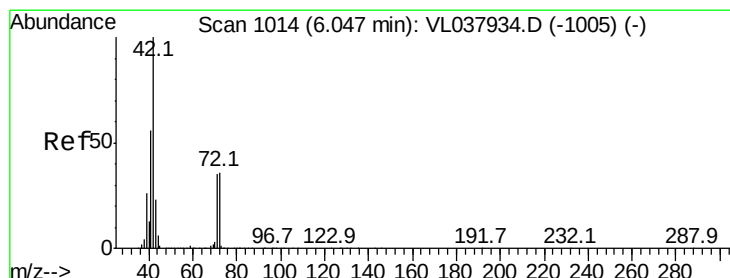
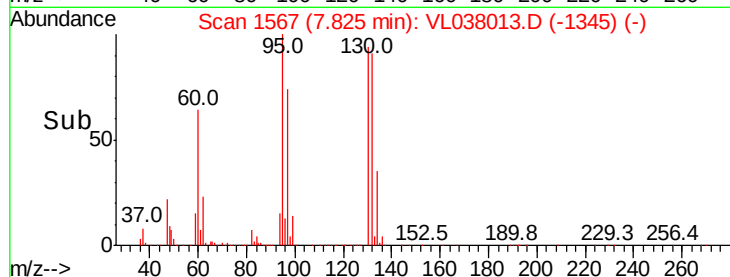
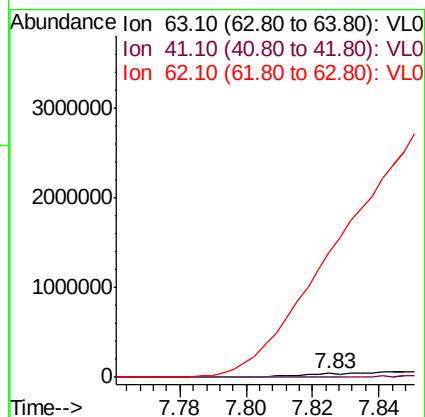
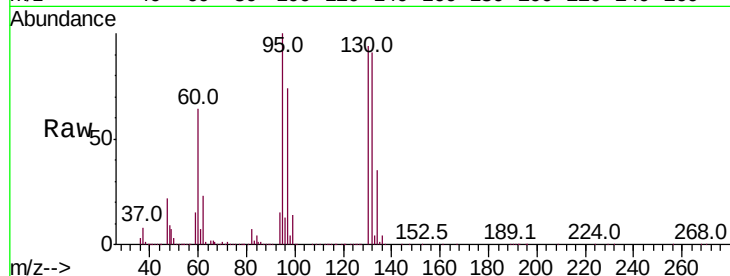
Tot Ion: 63 Resp: 45627

Ion Ratio Lower Upper

63 100

41 3.4 51.6 77.4#

62 3156.9 53.5 80.3#



#41

Tetrahydrofuran

Concen: 0.520 ppbv

RT: 6.03 min Scan# 1008

Delta R.T. -0.02 min

Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

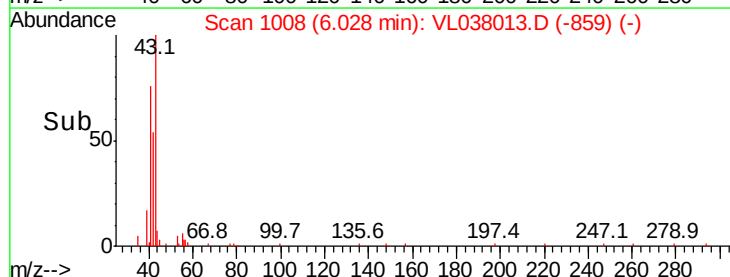
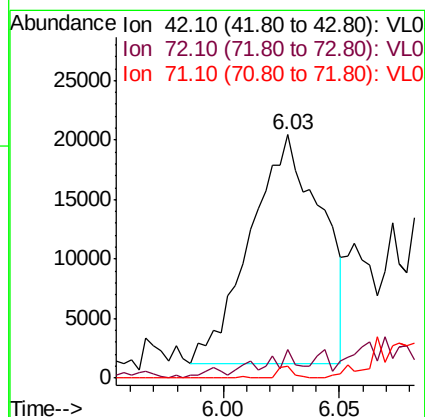
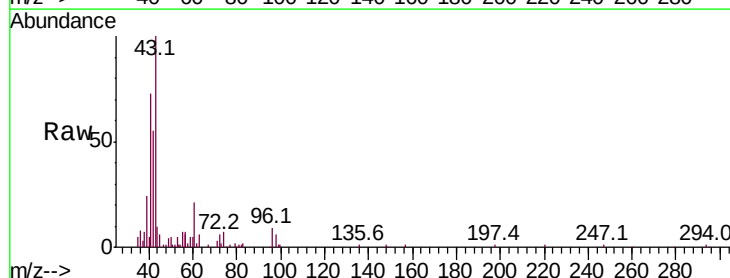
Tgt Ion: 42 Resp: 41150

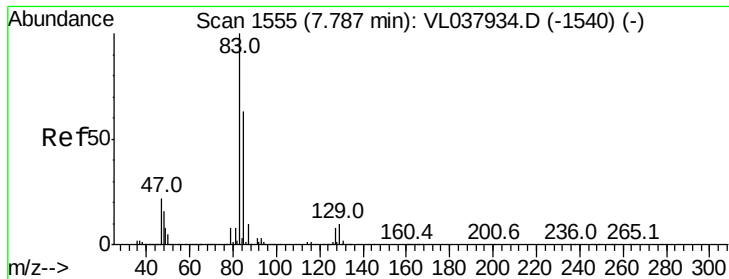
Ion Ratio Lower Upper

42 100

72 21.0 31.5 47.3#

71 0.0 30.5 45.7#





#42

Bromodichloromethane

Concen: 5.600 ppbv

RT: 7.90 Instrument:

Delta R.T. MSVOA_1

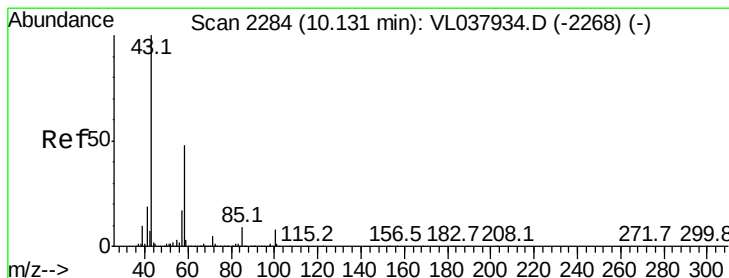
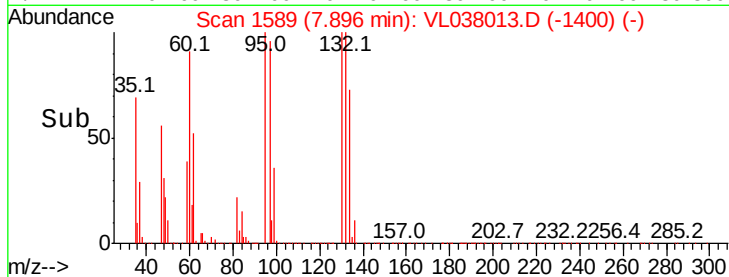
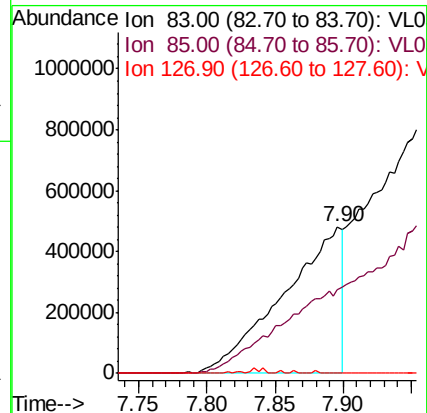
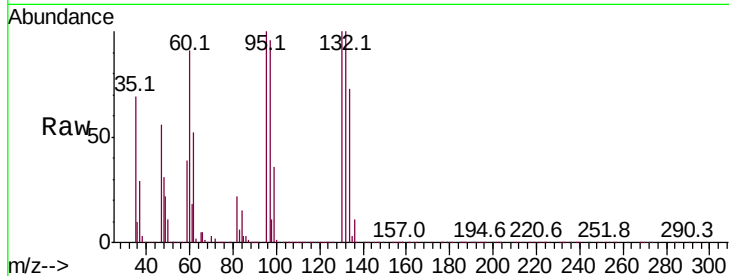
Lab File: ClientSampleId:

Acq: 10 Nov 2021 17:28

Tot Ion: 83 Resp: 1430765

Ion Ratio Lower Upper

83	100		
85	56.8	50.1	75.1
127	0.0	6.1	9.1#



#51

2-Hexanone

Concen: 0.785 ppbv

RT: 10.18 min Scan# 2299

Delta R.T. 0.05 min

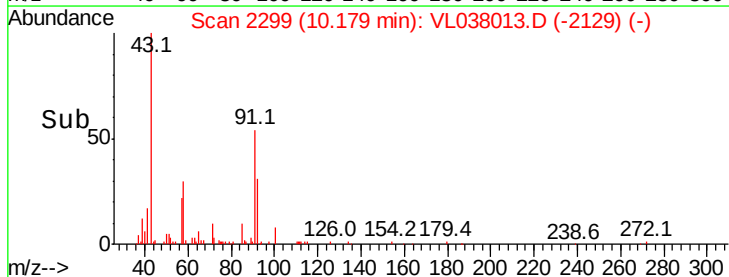
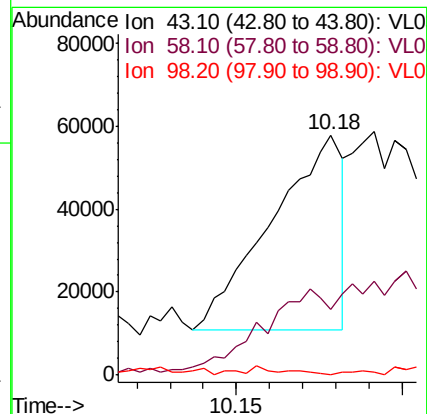
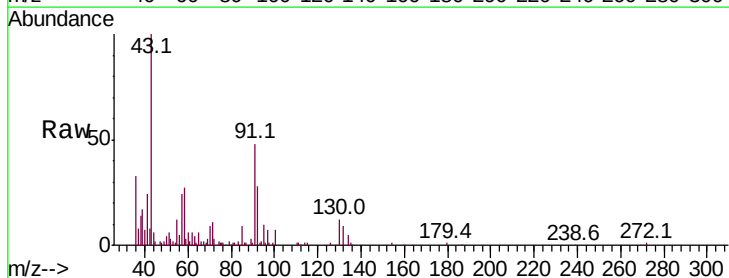
Lab File: VL038013.D

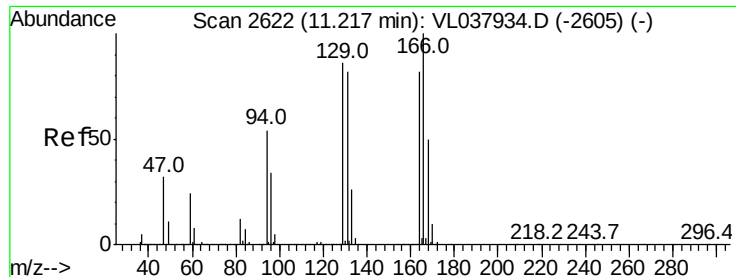
Acq: 10 Nov 2021 17:28

Tgt Ion: 43 Resp: 70349

Ion Ratio Lower Upper

43	100		
58	0.0	38.6	57.8#
98	3.5	1.0	1.4#





#52

Tetrachloroethene

Concen: 127.158 ppbv

RT: 11.37

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 17:28

Tot Ion:164 Resp:17146919

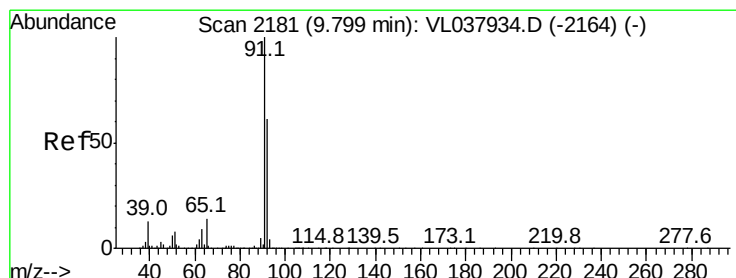
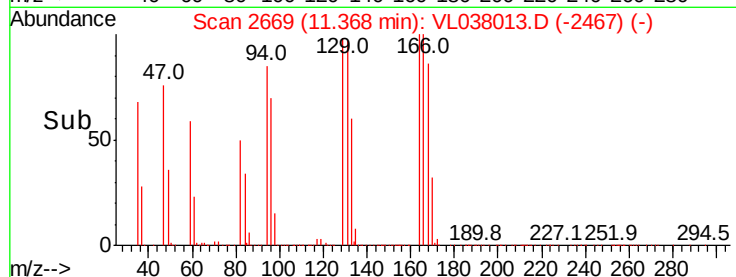
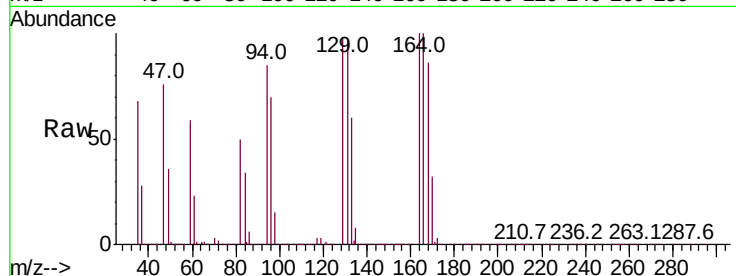
Ion Ratio Lower Upper

164 100

166 99.3 97.6 146.4

129 97.3 84.2 126.2

131 97.1 79.6 119.4



#53

Toluene

Concen: 0.851 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.04 min

Lab File: VL038013.D

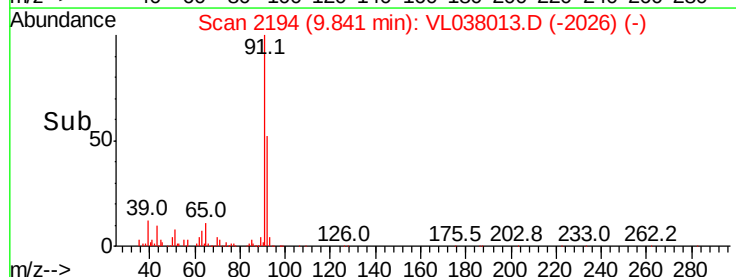
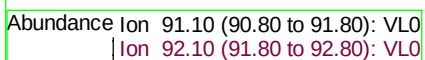
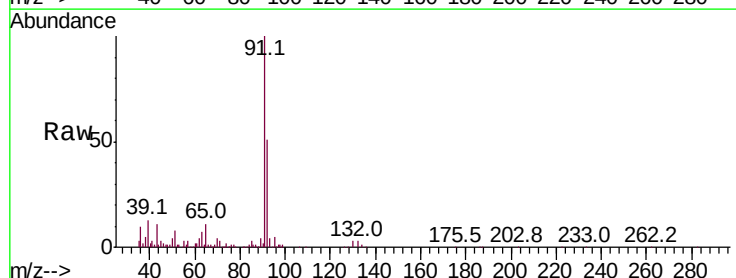
Acq: 10 Nov 2021 17:28

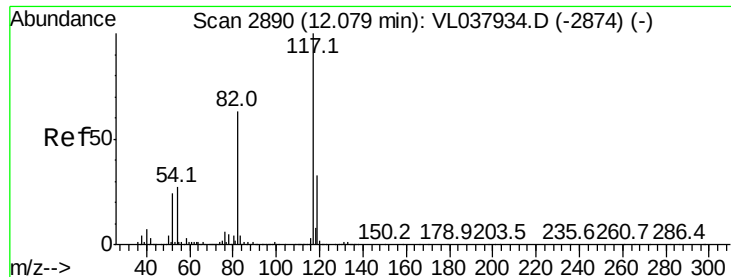
Tgt Ion: 91 Resp: 324338

Ion Ratio Lower Upper

91 100

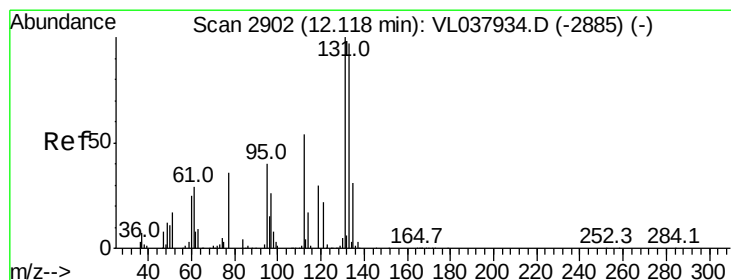
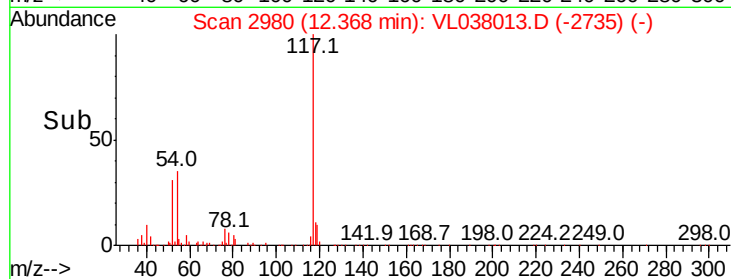
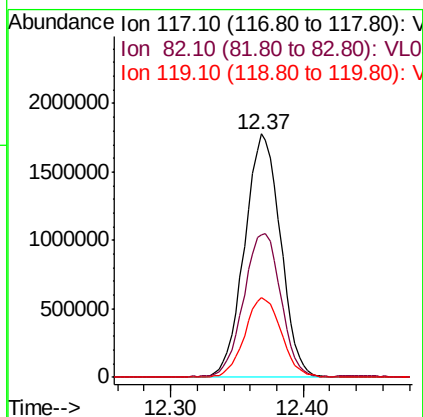
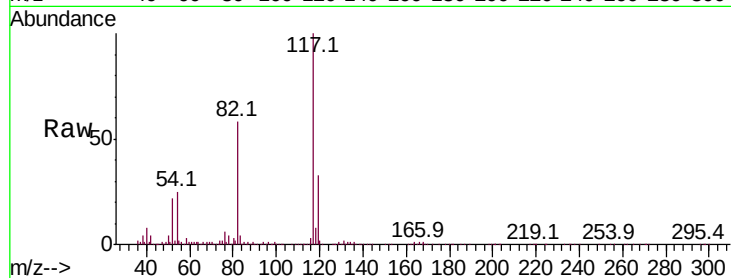
92 0.0 48.2 72.4#





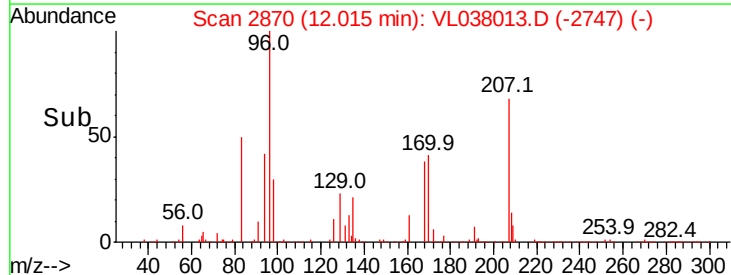
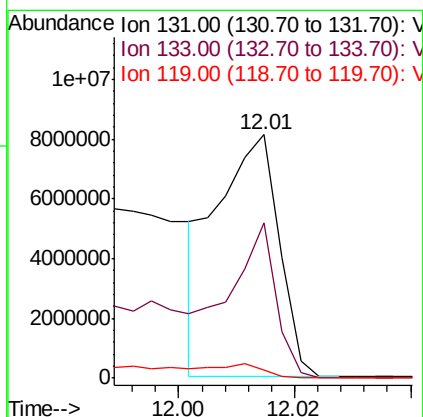
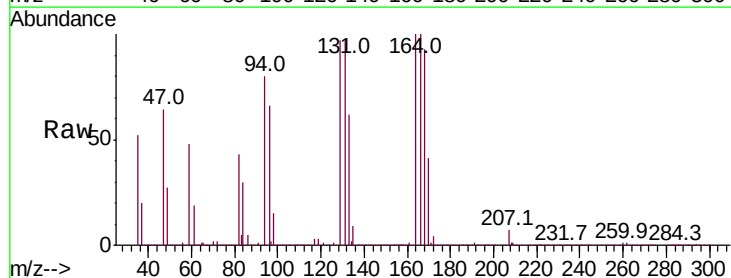
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.37
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 10 Nov 2021 17:28

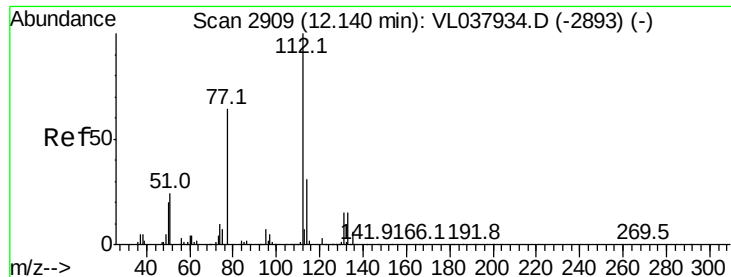
Tot Ion:117 Resp: 3345409
Ion Ratio Lower Upper
117 100
82 60.6 51.0 76.6
119 33.5 26.9 40.3



#56
1,1,1,2-Tetrachloroethane
Concen: 44.764 ppbv
RT: 12.01 min Scan# 2870
Delta R.T. -0.10 min
Lab File: VL038013.D
Acq: 10 Nov 2021 17:28

Tgt Ion:131 Resp: 6046145
Ion Ratio Lower Upper
131 100
133 94.1 79.6 119.4
119 15.0 125.4 188.2#





#57

Chlorobenzene

Concen: 0.263 ppbv

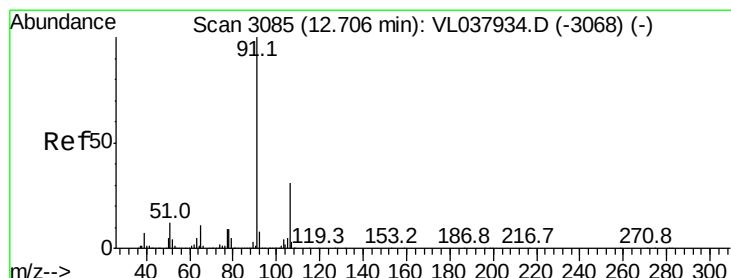
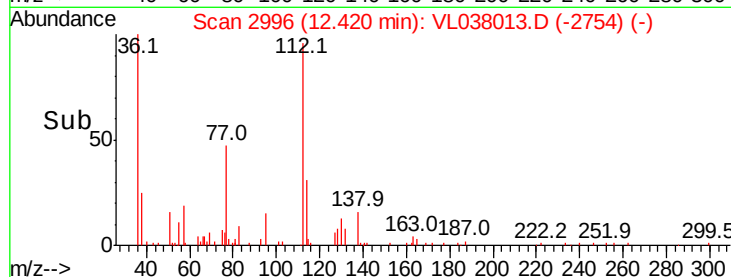
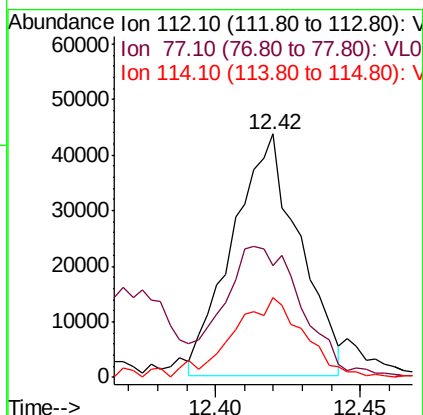
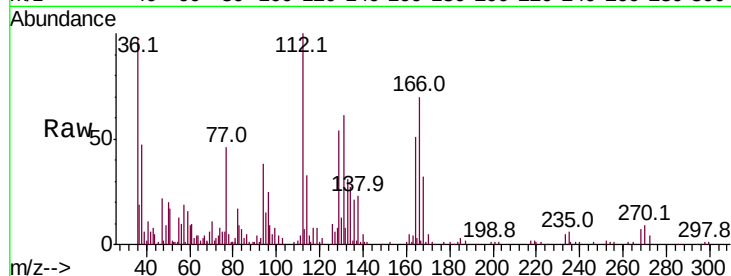
RT: 12.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 Nov 2021 17:28

Tot Ion:	112	Resp:	70207
Ion Ratio	Lower	Upper	
112	100		
77	42.7	51.1	76.7#
114	29.9	27.9	34.1



#58

Ethyl Benzene

Concen: 1.472 ppbv

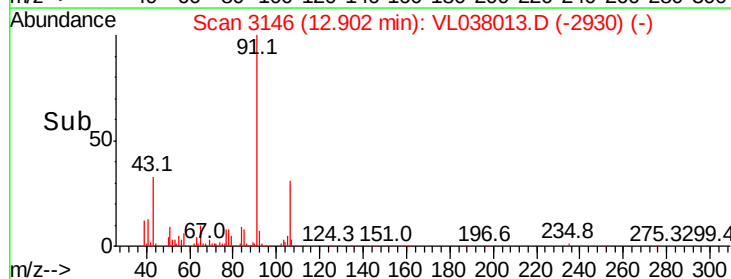
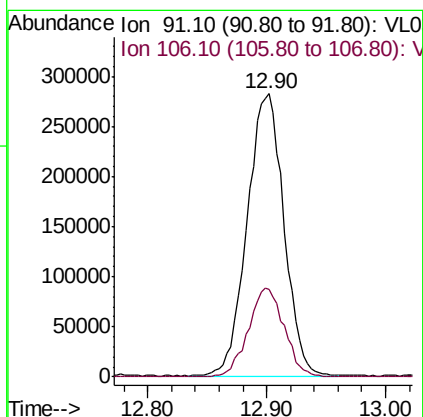
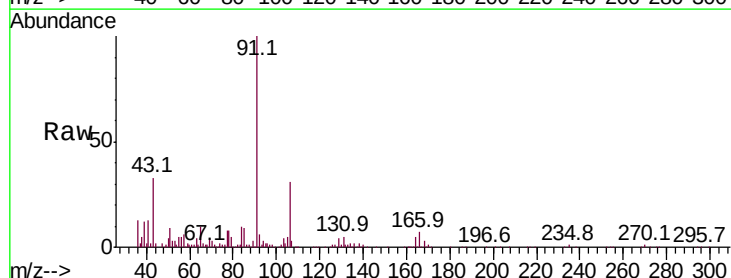
RT: 12.90 min Scan# 3146

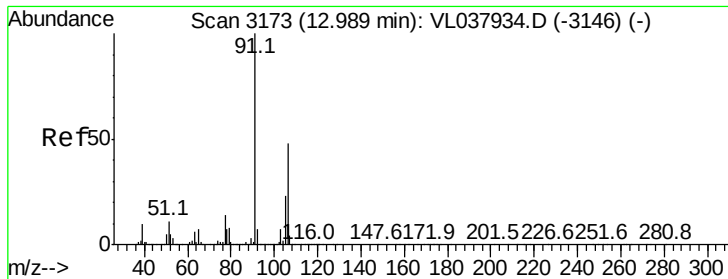
Delta R.T. 0.20 min

Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

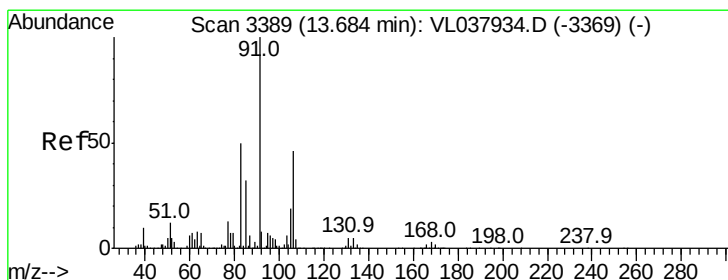
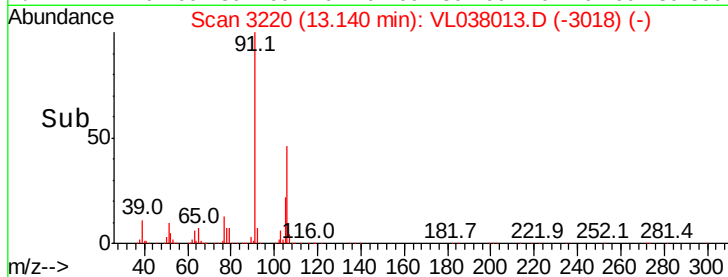
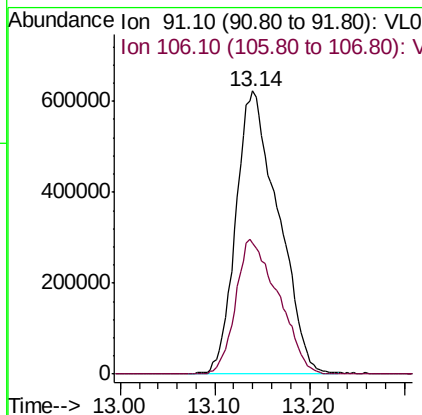
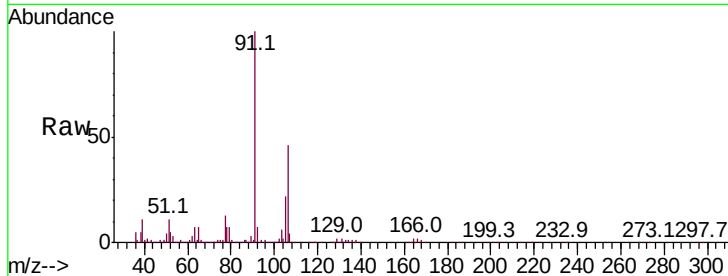
Tgt Ion:	91	Resp:	602211
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.1	37.7





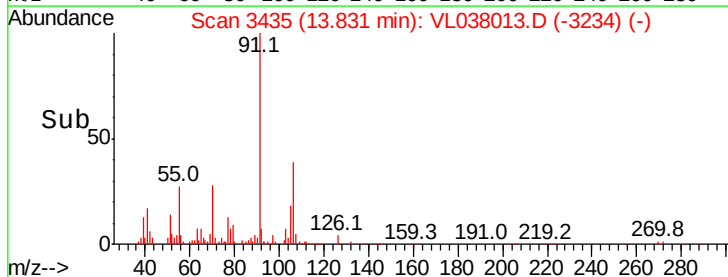
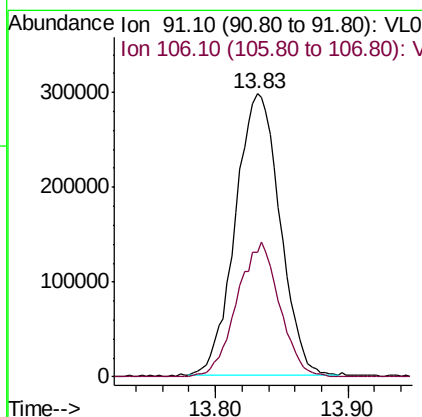
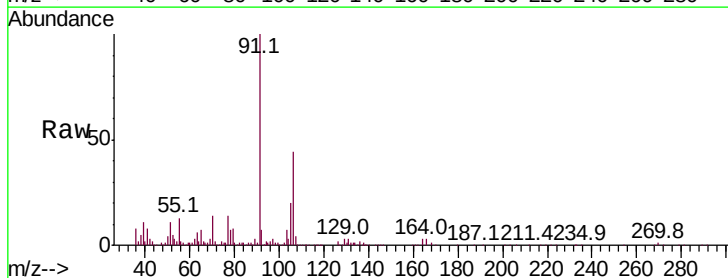
#59
m/p-Xylene
Concen: 5.320 ppbv
RT: 13.14
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 Nov 2021 17:28

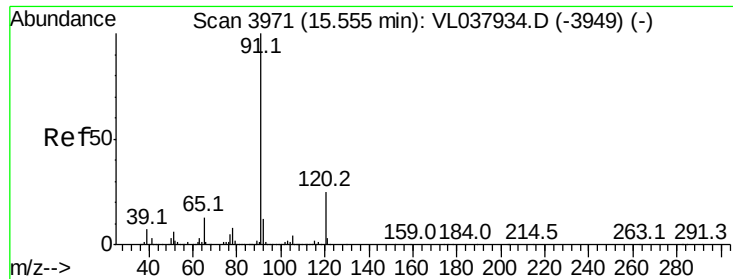
Tot Ion: 91 Resp: 1934630
Ion Ratio Lower Upper
91 100
106 47.9 37.1 55.7



#60
o-Xylene
Concen: 2.020 ppbv
RT: 13.83 min Scan# 3435
Delta R.T. 0.15 min
Lab File: VL038013.D
Acq: 10 Nov 2021 17:28

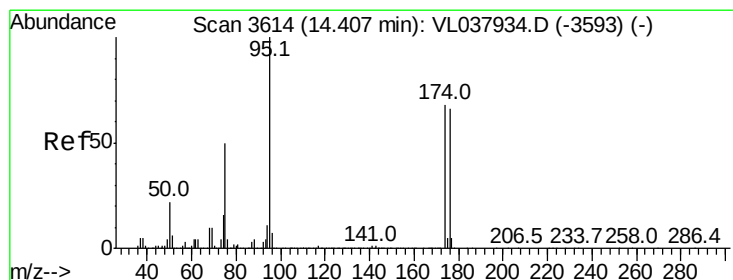
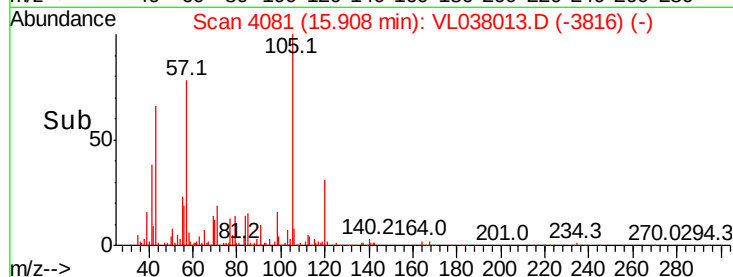
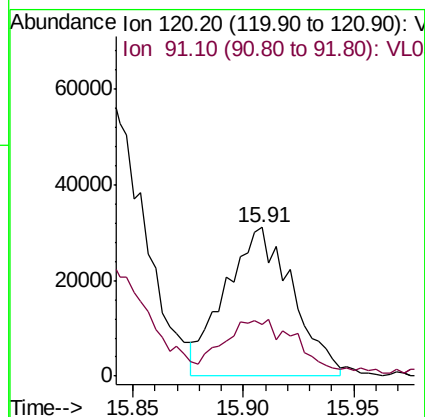
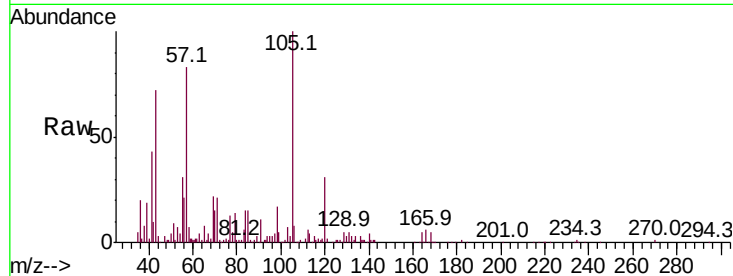
Tgt Ion: 91 Resp: 692566
Ion Ratio Lower Upper
91 100
106 45.9 23.5 70.6





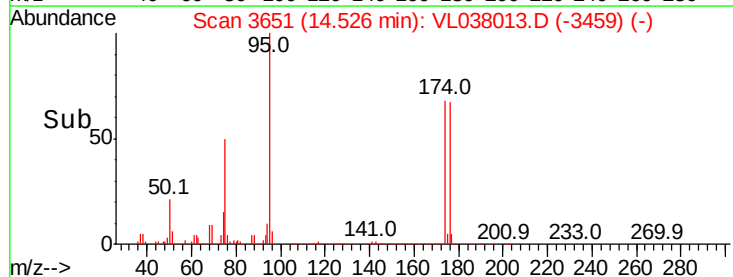
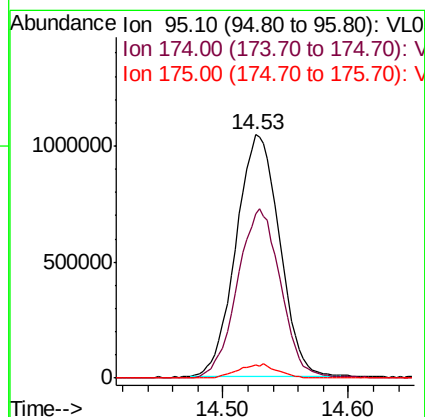
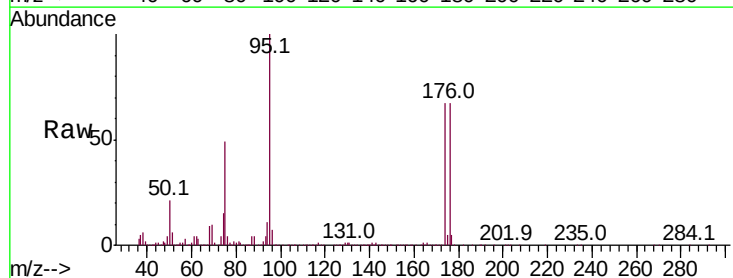
#64
 n-propylbenzene
 Concen: 0.526 ppbv
 RT: 15.91 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 17:28

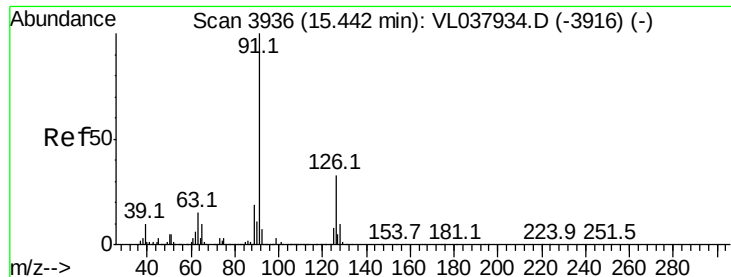
Tot Ion: 120 Resp: 65471
 Ion Ratio Lower Upper
 120 100
 91 38.3 363.3 544.9#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.368 ppbv
 RT: 14.53 min Scan# 3651
 Delta R.T. 0.12 min
 Lab File: VL038013.D
 Acq: 10 Nov 2021 17:28

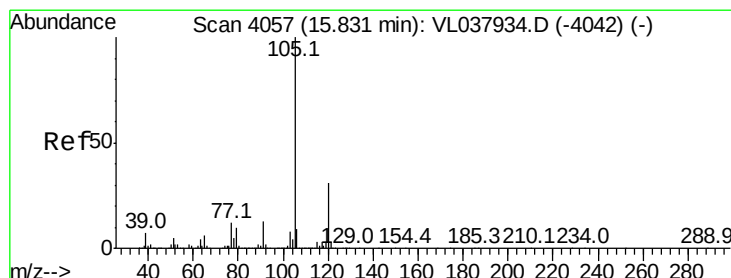
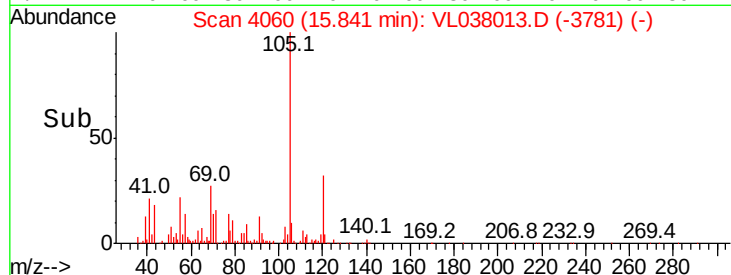
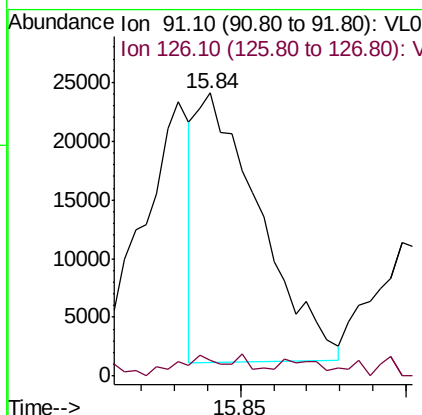
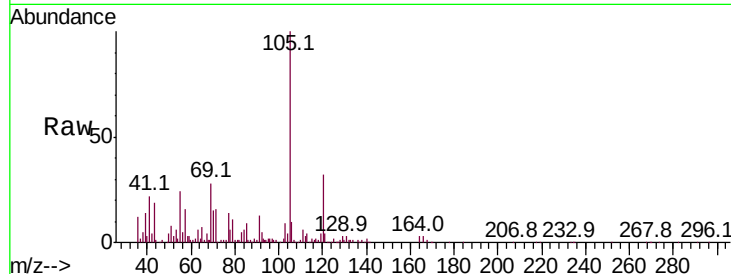
Tgt Ion: 95 Resp: 2521197
 Ion Ratio Lower Upper
 95 100
 174 69.8 58.3 87.5
 175 5.3 4.6 6.8





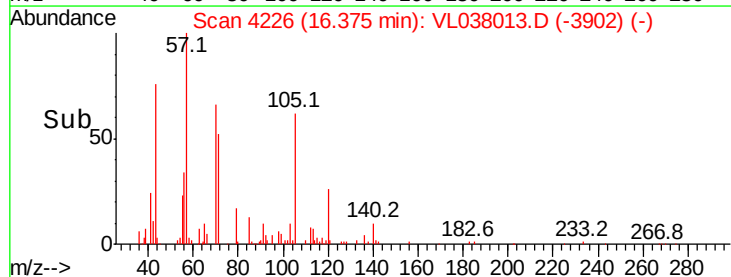
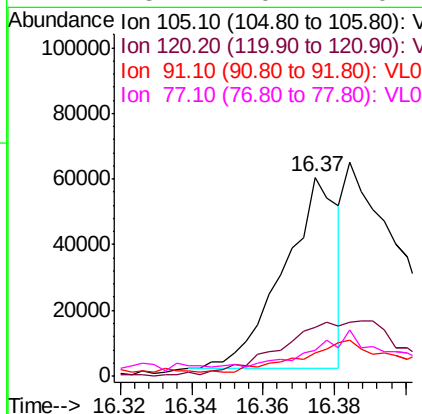
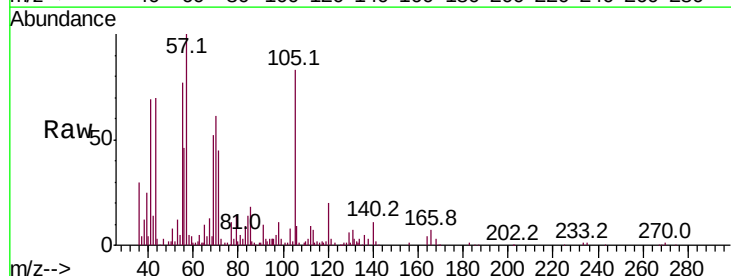
#71
 2-Chlorotoluene
 Concen: 0.089 ppbv
 RT: 15.84 min
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 10 Nov 2021 17:28

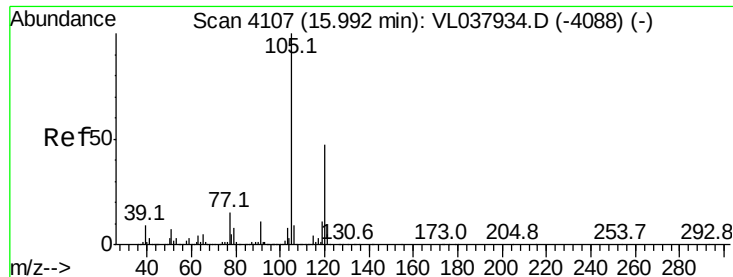
Tot Ion: 91 Resp: 30433
 Ion Ratio Lower Upper
 91 100
 126 14.9 13.3 53.3



#72
 4-Ethyltoluene
 Concen: 0.157 ppbv
 RT: 16.37 min Scan# 4226
 Delta R.T. 0.54 min
 Lab File: VL038013.D
 Acq: 10 Nov 2021 17:28

Tgt Ion: 105 Resp: 61590
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.3 37.9#
 91 0.0 9.9 14.9#
 77 13.4 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 0.167 ppbv

RT: 16.37

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

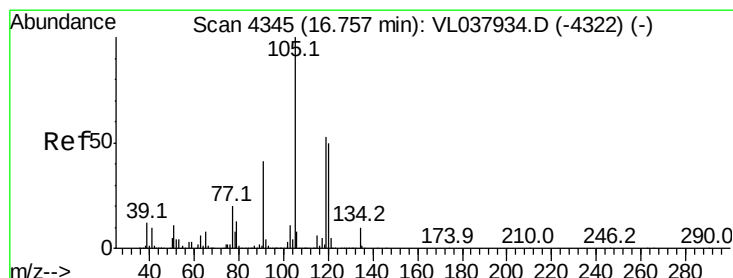
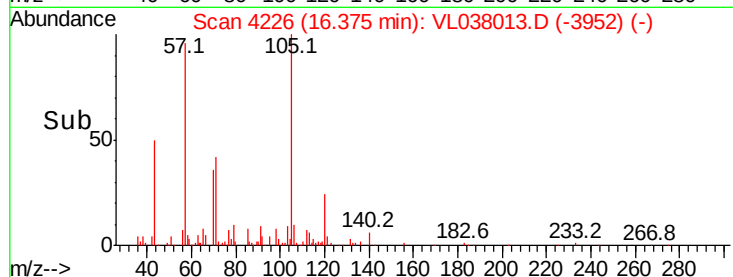
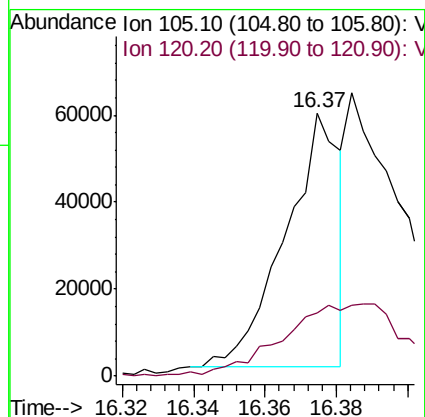
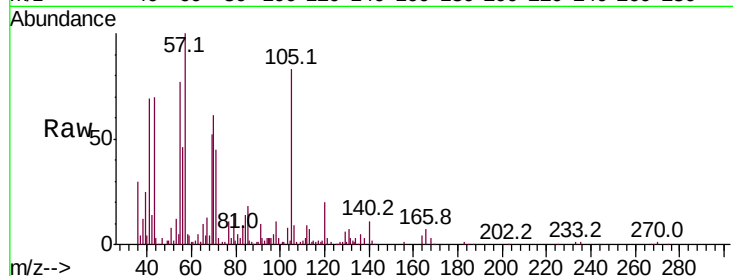
Acq: 10 Nov 2021 17:28

Tot Ion:105 Resp: 61590

Ion Ratio Lower Upper

105 100

120 23.2 37.9 56.9#



#74

1,2,4-Trimethylbenzene

Concen: 1.394 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.05 min

Lab File: VL038013.D

Acq: 10 Nov 2021 17:28

Tgt Ion:105 Resp: 537236

Ion Ratio Lower Upper

105 100

120 46.0 40.0 60.0

91 9.2 32.6 49.0#

77 13.2 15.8 23.8#

