

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101821\
 Data File : VL037859.D
 Acq On : 18 Oct 2021 19:24
 Operator : SY/AP
 Sample : M4068-13 0.40 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021

Quant Time: Oct 19 08:34:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1238638	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3648984	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3126207	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2220726	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	117085	0.592	ppbv	96
3) Chlorodifluoromethane	2.99	51	114576	0.481	ppbv	95
4) Chloromethane	3.15	50	42797	0.491	ppbv #	82
5) Vinyl Chloride	3.27	62	36259	0.454	ppbv	92
6) Bromomethane	3.47	94	9189	0.213	ppbv #	77
7) Chloroethane	3.56	64	12399	0.422	ppbv	91
8) Dichlorotetrafluoroethane	3.19	85	90027	0.460	ppbv	93
9) Propene	3.01	41	25895	0.296	ppbv #	56
10) Heptane	8.13	43	47076	0.237	ppbv #	51
11) Trichlorofluoromethane	3.95	101	85242	0.483	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	61694	0.461	ppbv	88
13) Ethanol	3.60	45	205	0.029	ppbv #	27
14) Bromoethene	3.74	108	18032	0.307	ppbv #	48
15) Acetone	3.88	43	63641	0.572	ppbv	98
16) 1,3-Butadiene	3.33	39	32792	0.405	ppbv	89
18) 1,1-Dichloroethene	4.29	96	28391	0.467	ppbv #	73
20) Methylene Chloride	4.35	84	18281	0.325	ppbv	87
21) Allyl Chloride	4.41	41	36828	0.374	ppbv #	67
22) trans-1,2-Dichloroethene	4.89	96	23861	0.390	ppbv #	69
23) Vinyl Acetate	5.08	43	19919	0.120	ppbv #	90
24) 1,1-Dichloroethane	5.01	63	58069	0.479	ppbv	98
25) Ethyl Acetate	5.70	43	136175	0.436	ppbv	98
26) Hexane	5.69	57	62443	0.406	ppbv #	87
27) Carbon Disulfide	4.56	76	42272	0.310	ppbv #	72
28) Methyl tert-Butyl Ether	5.06	73	55511	0.434	ppbv	95
29) Chloroform	5.75	83	101138	0.461	ppbv	96
30) Cyclohexane	7.13	84	24617	0.189	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	29402	0.211	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	85424	0.410	ppbv	95
34) 2-Butanone	5.27	43	52819	0.359	ppbv #	83
35) Carbon Tetrachloride	7.02	117	85686	0.413	ppbv	95
36) Benzene	6.89	78	119678	0.384	ppbv #	90
37) 1,2-Dichloroethane	6.31	62	57923	0.395	ppbv #	92
38) Trichloroethene	7.83	130	49681	0.403	ppbv	92
39) 1,2-Dichloropropane	7.61	63	24380	0.208	ppbv #	83
41) Tetrahydrofuran	6.07	42	6056	0.084	ppbv #	36
42) Bromodichloromethane	7.79	83	86423	0.401	ppbv	88
43) Methyl Methacrylate	8.02	69	28766	0.283	ppbv	91
44) 2,2,4-Trimethylpentane	7.87	57	200274	0.382	ppbv #	90
45) t-1,3-Dichloropropene	9.28	75	11193	0.160	ppbv	95
46) cis-1,3-Dichloropropene	8.71	75	9218	0.095	ppbv	92

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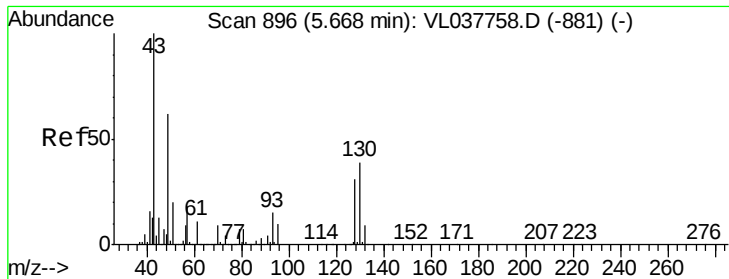
Instrument :
 MSVOA_L
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 LOD-MDL-AIR-01-QT4-2021

Quant Time: Oct 19 08:34:29 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

47) 1,1,2-Trichloroethane	9.47	97	51074	0.401	ppbv #	76
48) Dibromochloromethane	10.30	129	61988	0.341	ppbv	90
49) Bromoform	13.04	173	32375	0.233	ppbv #	70
50) 4-Methyl-2-Pentanone	8.76	43	9130	0.048	ppbv #	38
51) 2-Hexanone	10.16	43	7052	0.082	ppbv #	91
52) Tetrachloroethene	11.24	164	4210	0.035	ppbv	88
53) Toluene	9.81	91	99659	0.289	ppbv	97
54) 1,2-Dibromoethane	10.61	107	35122	0.204	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	62086	0.480	ppbv #	1
57) Chlorobenzene	12.15	112	77138	0.301	ppbv	92
58) Ethyl Benzene	12.71	91	134698	0.321	ppbv	94
59) m/p-Xylene	13.00	91	106831	0.296	ppbv #	1
60) o-Xylene	13.69	91	103610	0.300	ppbv	88
61) Styrene	13.53	104	15264	0.091	ppbv #	1
62) Isopropylbenzene	14.66	105	191089	0.397	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	114117	0.428	ppbv	94
64) n-propylbenzene	15.56	120	20866	0.174	ppbv #	1
65) tert-Butylbenzene	16.75	119	159777	0.377	ppbv	93
66) Benzyl Chloride	16.99	91	4468	0.214	ppbv #	83
67) sec-Butylbenzene	17.29	105	215432	0.372	ppbv	98
69) p-Isopropyltoluene	17.65	119	161418	0.344	ppbv	96
70) n-Butylbenzene	18.55	91	82101	0.184	ppbv #	47
71) 2-Chlorotoluene	15.45	91	60107	0.177	ppbv #	48
72) 4-Ethyltoluene	15.84	105	122357	0.312	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.99	105	68065	0.191	ppbv	94
74) 1,2,4-Trimethylbenzene	16.76	105	90512	0.242	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	95874	0.414	ppbv	81
76) 1,4-Dichlorobenzene	17.13	146	48679	0.220	ppbv #	23
77) 1,2-Dichlorobenzene	17.82	146	55908	0.251	ppbv #	31
78) Hexachloro-1,3-Butadiene	23.37	225	56949	0.313	ppbv #	51
79) Naphthalene	22.21	128	22297	0.097	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	5357	0.037	ppbv #	12

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

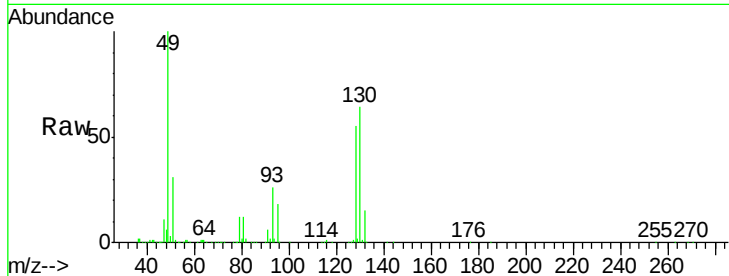
Tgt Ion: 49 Resp: 1238638

Ion Ratio Lower Upper

49 100

128 55.0 27.1 81.3

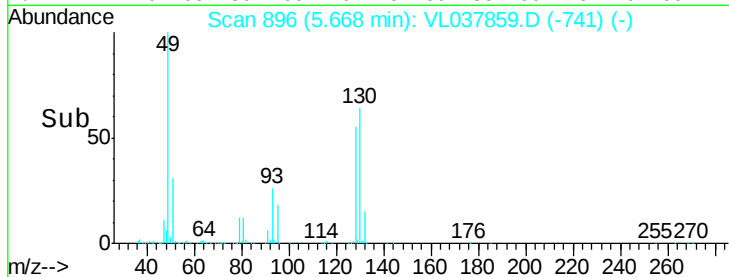
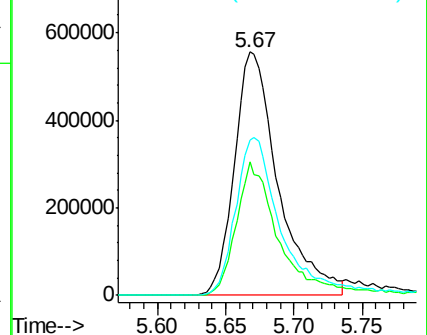
130 70.0 33.2 99.6



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: 0.592 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL037859.D

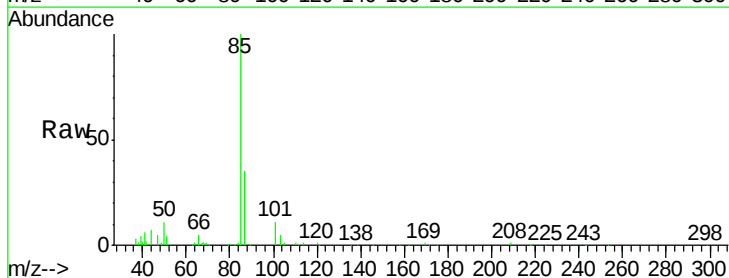
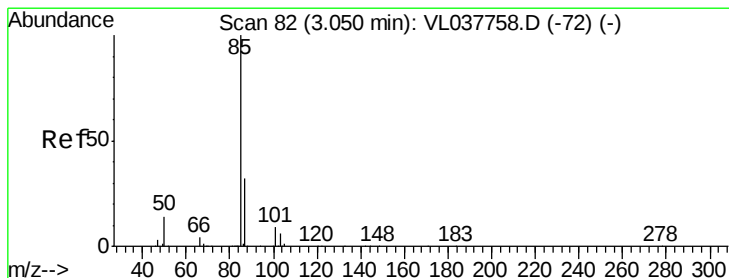
Acq: 18 Oct 2021 19:24

Tgt Ion: 85 Resp: 117085

Ion Ratio Lower Upper

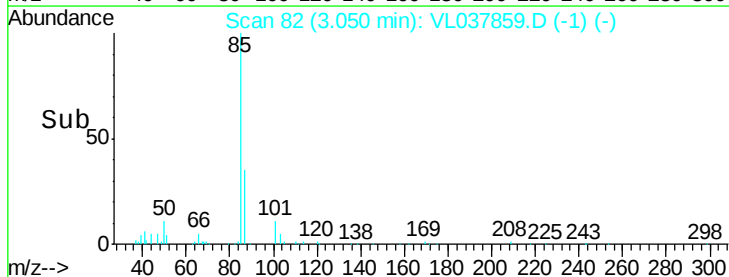
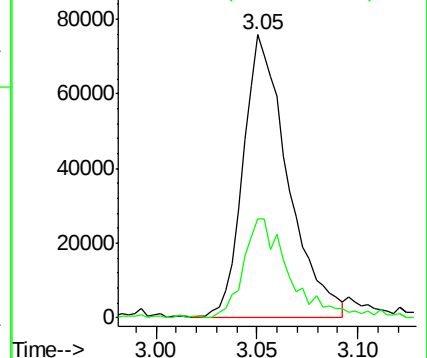
85 100

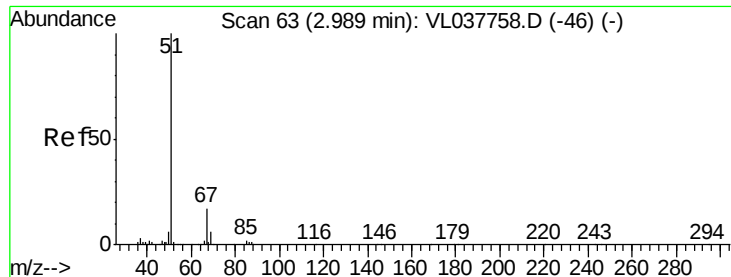
87 34.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.481 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

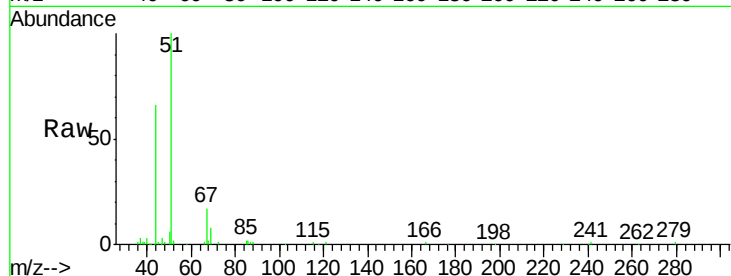
Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion: 51 Resp: 114576

Ion Ratio Lower Upper

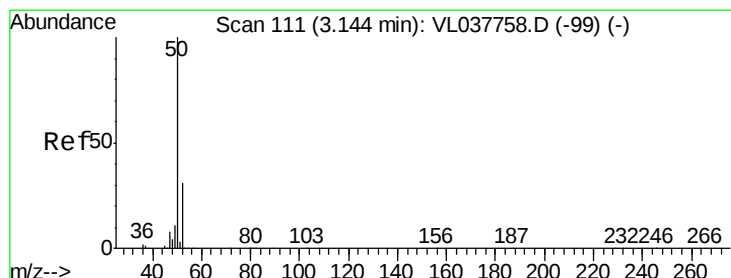
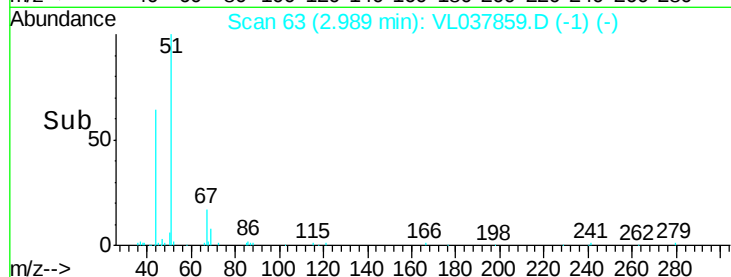
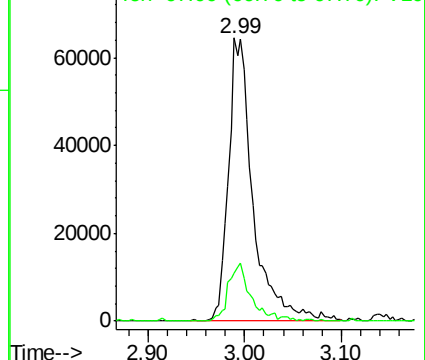
51 100

67 19.0 13.5 20.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.491 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL037859.D

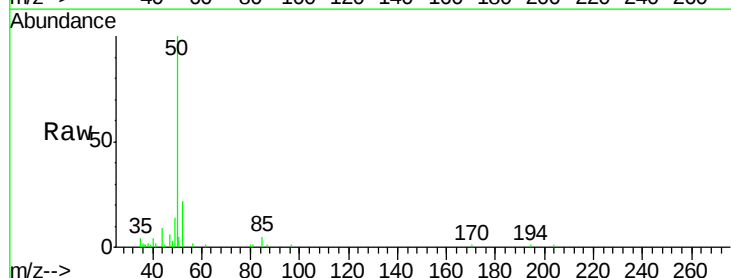
Acq: 18 Oct 2021 19:24

Tgt Ion: 50 Resp: 42797

Ion Ratio Lower Upper

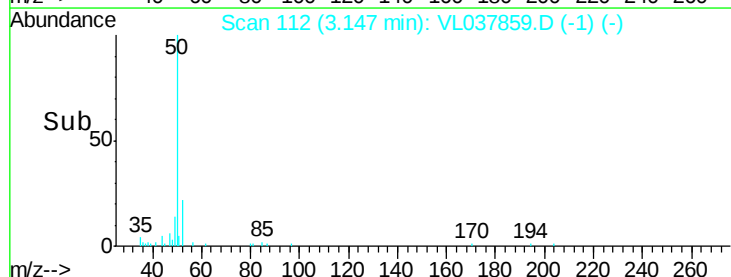
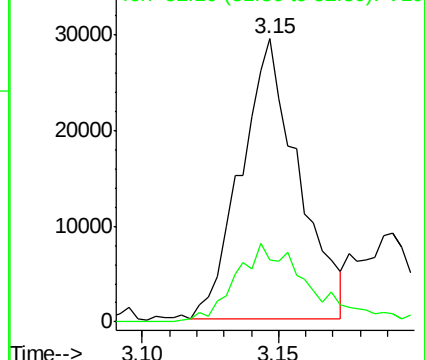
50 100

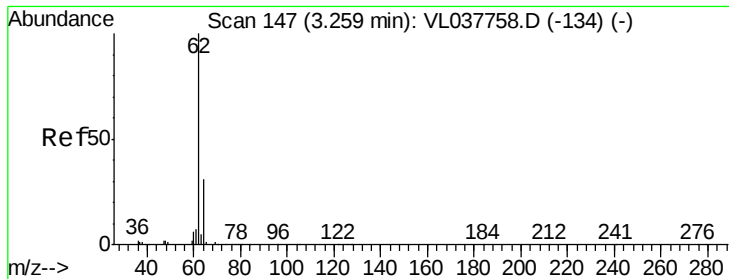
52 20.9 24.4 36.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.454 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

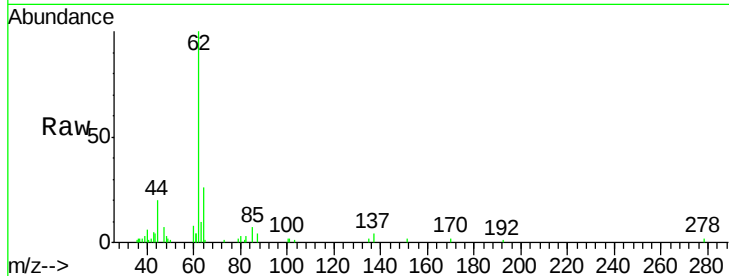
Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion: 62 Resp: 36259

Ion Ratio Lower Upper

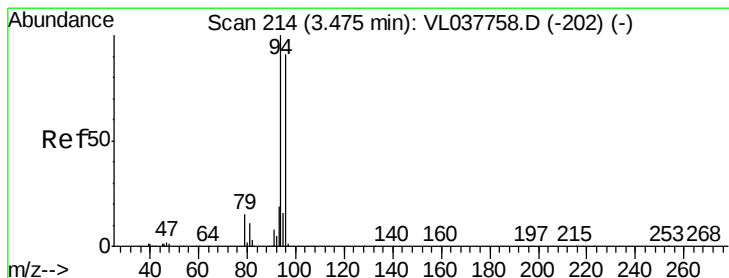
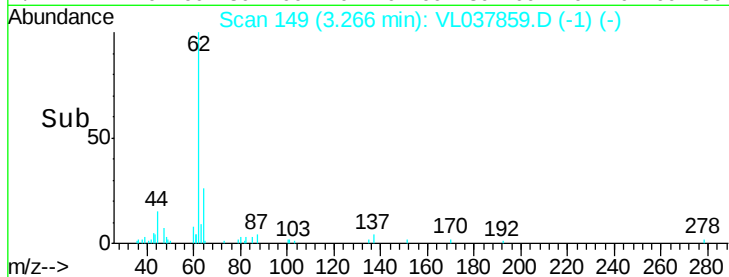
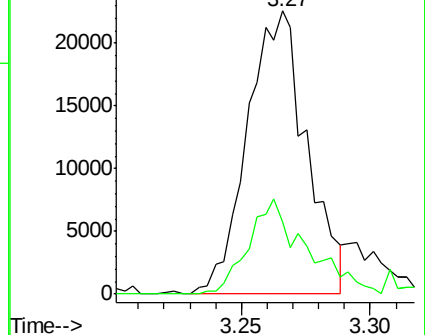
62 100

64 26.7 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.213 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.00 min

Lab File: VL037859.D

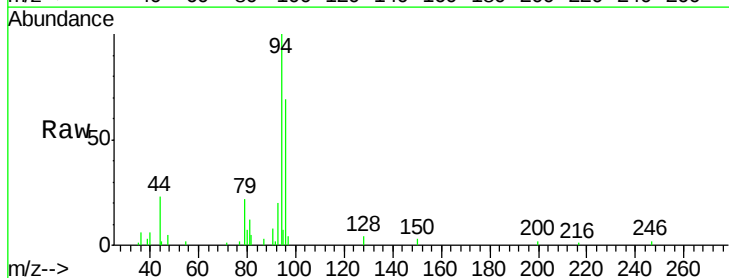
Acq: 18 Oct 2021 19:24

Tgt Ion: 94 Resp: 9189

Ion Ratio Lower Upper

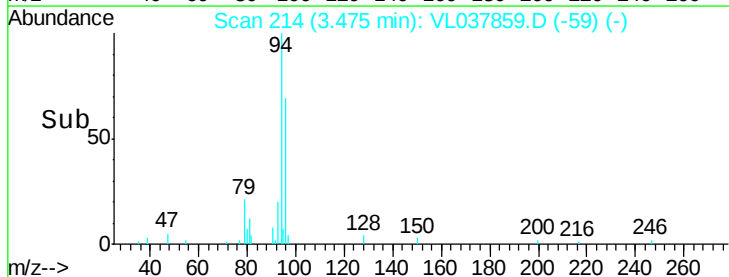
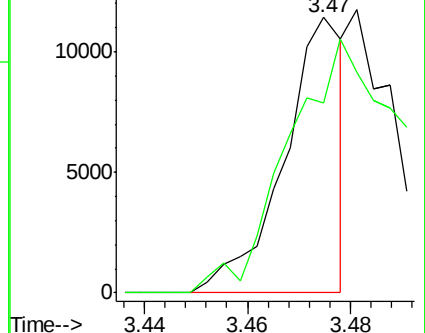
94 100

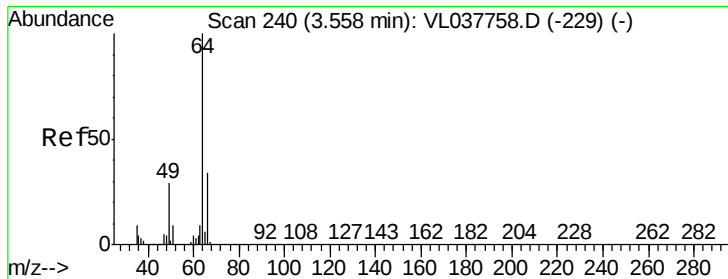
96 69.2 72.5 108.7#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.422 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: LOD-MDL-AIR-01-QT4-2021

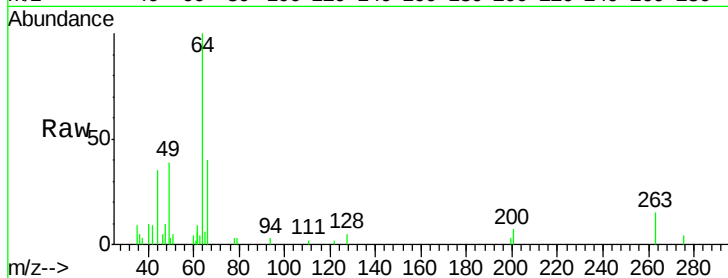
Acq: 18 Oct 2021 19:24

Tgt Ion: 64 Resp: 12399

Ion Ratio Lower Upper

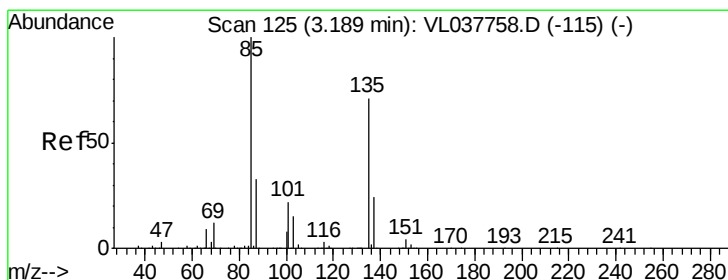
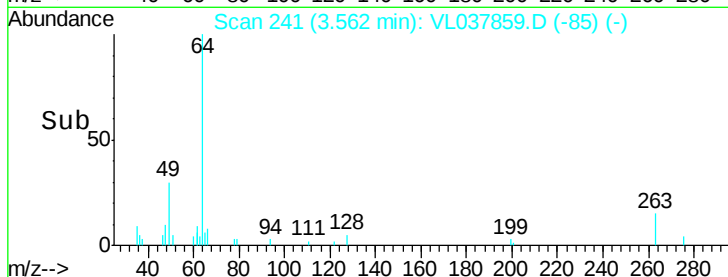
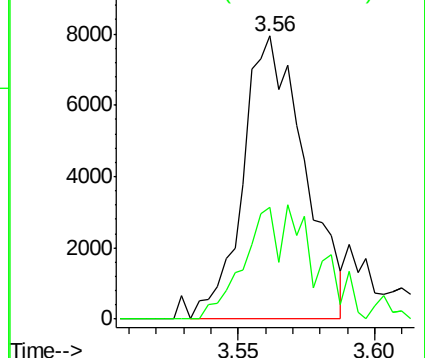
64 100

66 39.6 27.5 41.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.460 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL037859.D

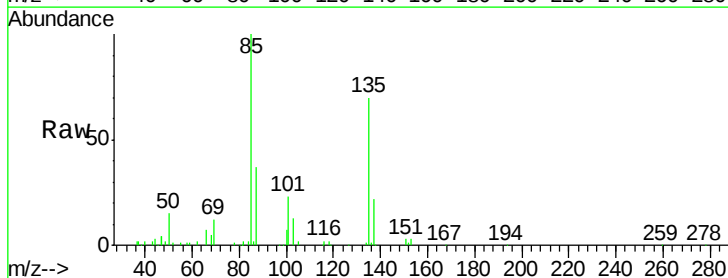
Acq: 18 Oct 2021 19:24

Tgt Ion: 85 Resp: 90027

Ion Ratio Lower Upper

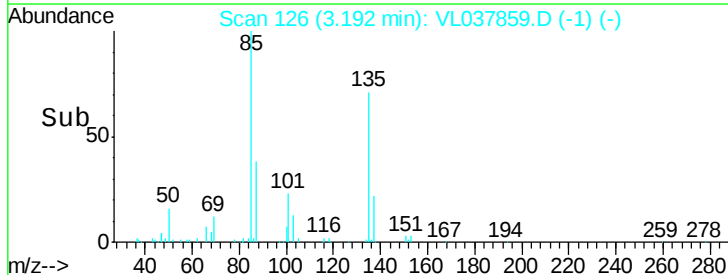
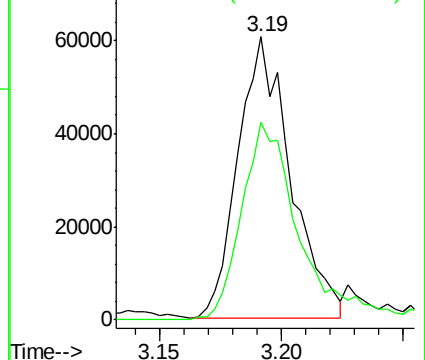
85 100

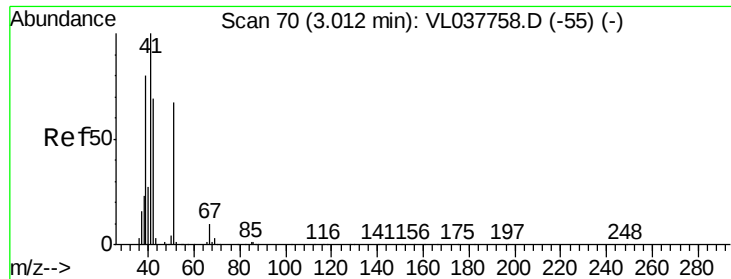
135 80.1 59.5 89.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 0.296 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

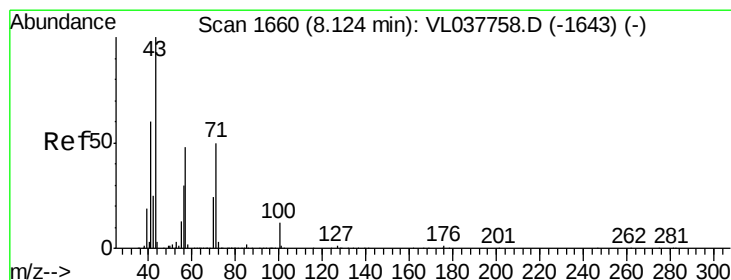
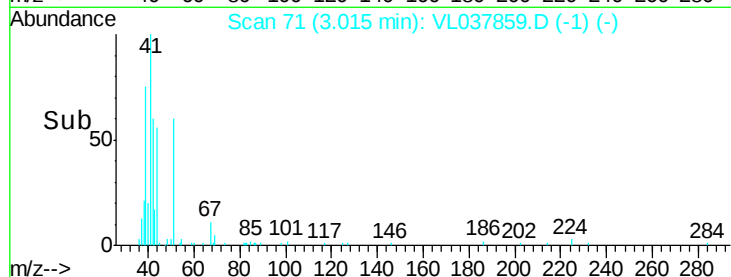
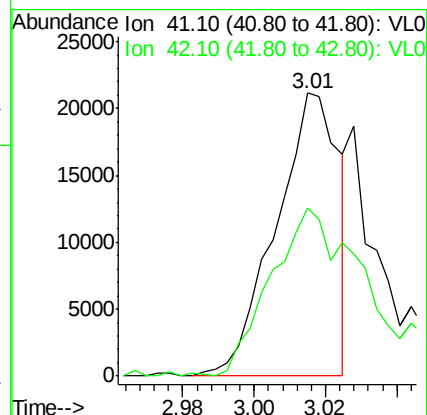
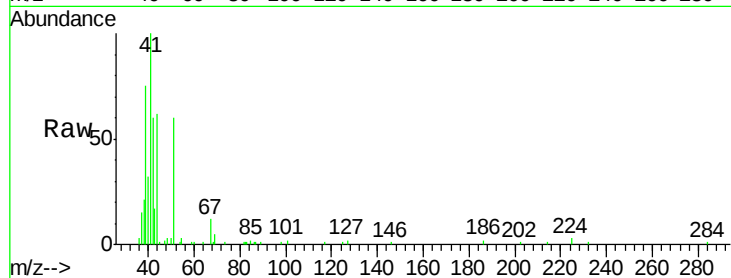
Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion: 41 Resp: 25895

Ion Ratio Lower Upper

41 100

42 103.0 54.2 81.2#



#10

Heptane

Concen: 0.237 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL037859.D

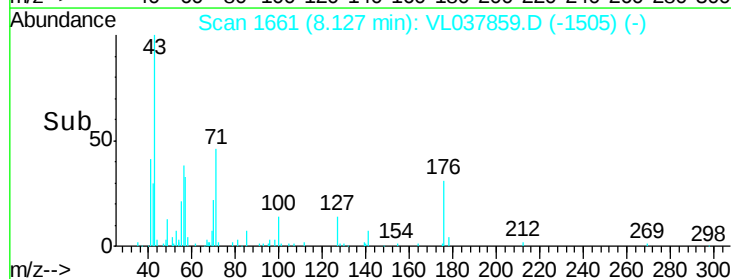
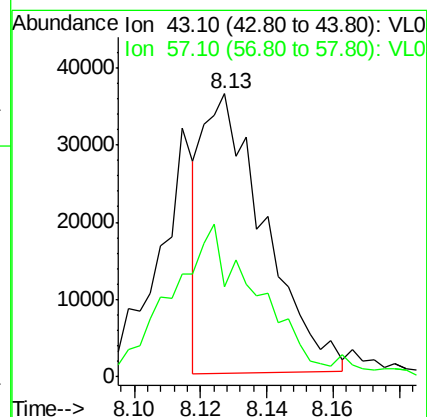
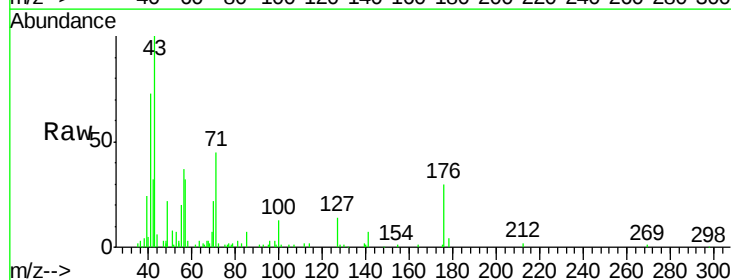
Acq: 18 Oct 2021 19:24

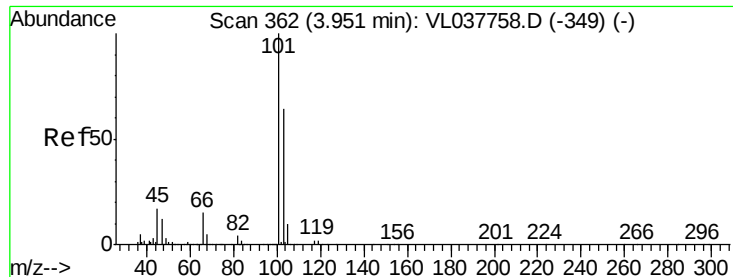
Tgt Ion: 43 Resp: 47076

Ion Ratio Lower Upper

43 100

57 84.0 40.0 60.0#





#11

Trichlorofluoromethane

Concen: 0.483 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

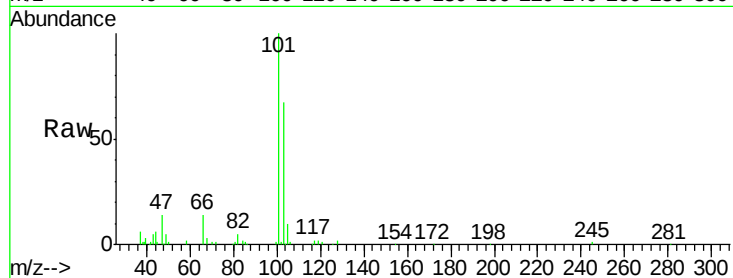
Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion:101 Resp: 85242

Ion Ratio Lower Upper

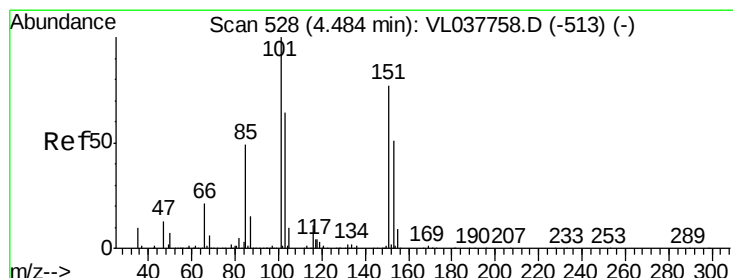
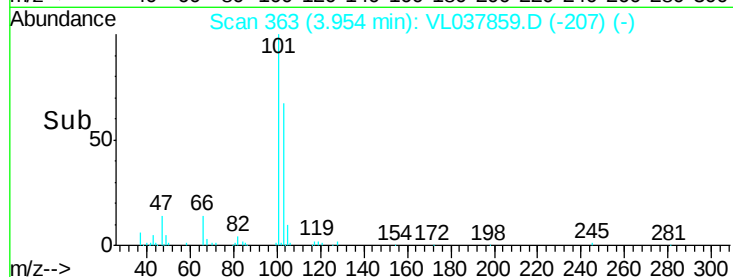
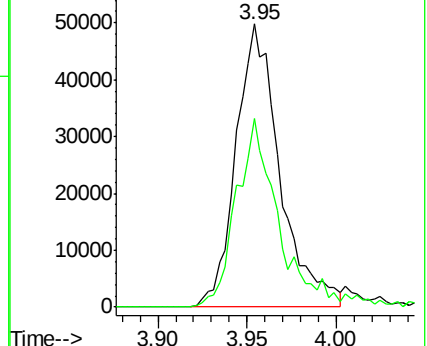
101 100

103 66.8 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.461 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL037859.D

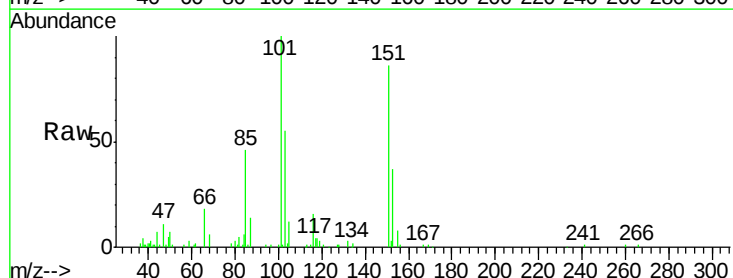
Acq: 18 Oct 2021 19:24

Tgt Ion:101 Resp: 61694

Ion Ratio Lower Upper

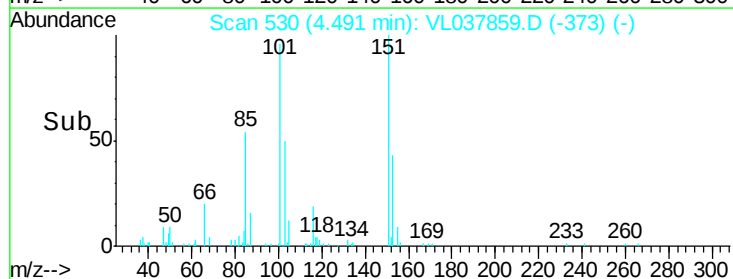
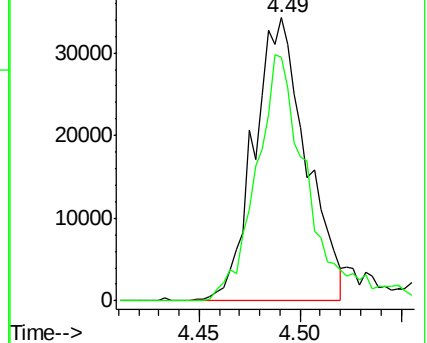
101 100

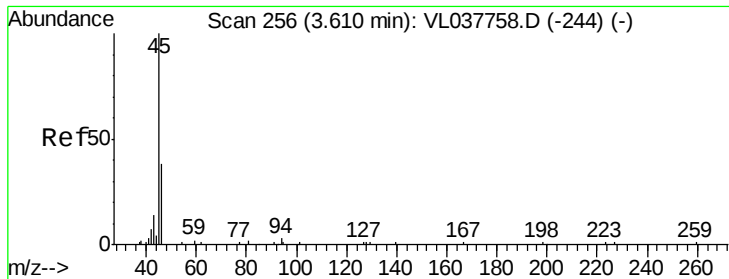
151 89.3 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.029 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

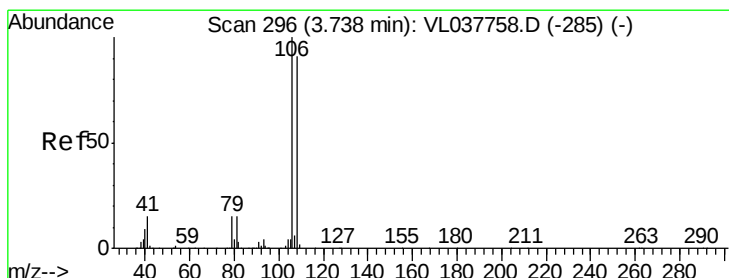
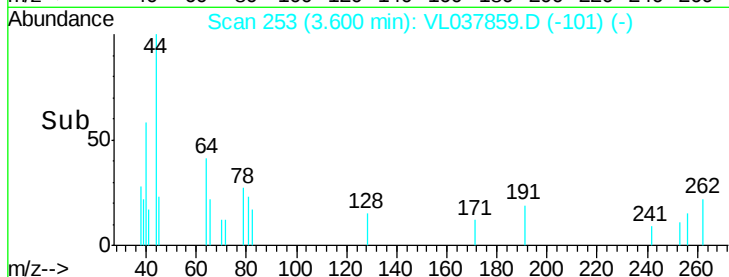
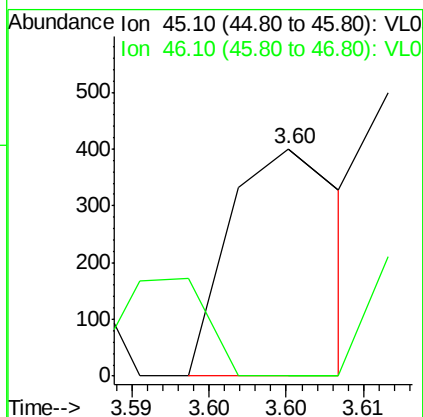
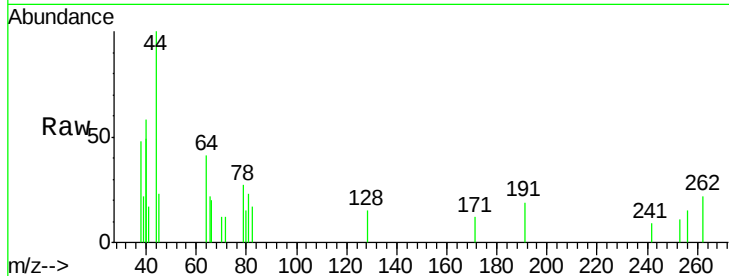
Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion: 45 Resp: 205

Ion Ratio Lower Upper

45 100

46 0.0 20.2 81.0#



#14

Bromoethene

Concen: 0.307 ppbv

RT: 3.74 min Scan# 298

Delta R.T. 0.01 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

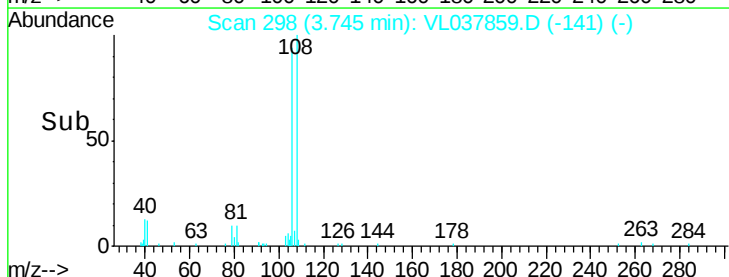
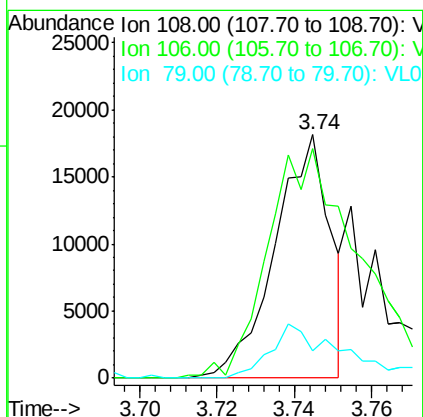
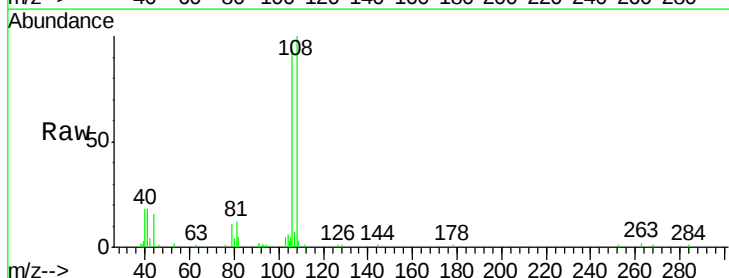
Tgt Ion: 108 Resp: 18032

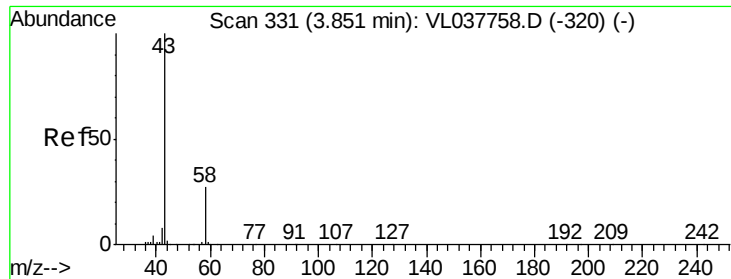
Ion Ratio Lower Upper

108 100

106 175.0 91.9 137.9#

79 29.4 13.9 20.9#





#15

Acetone

Concen: 0.572 ppbv

RT: 3.88

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

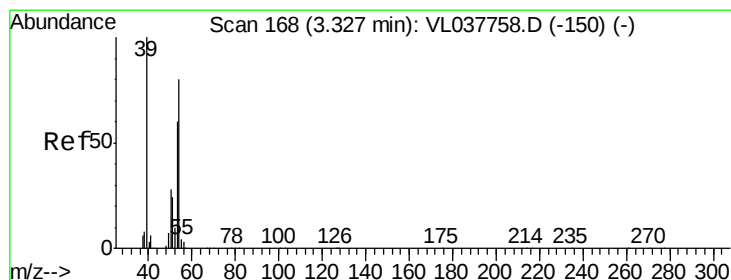
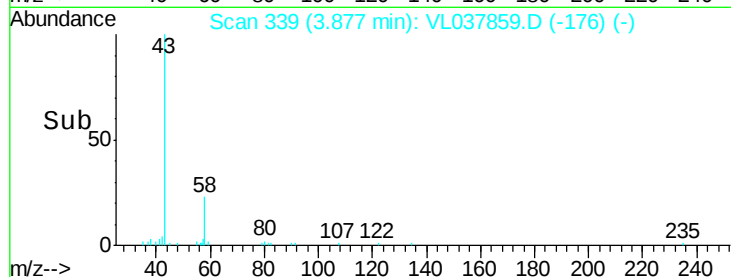
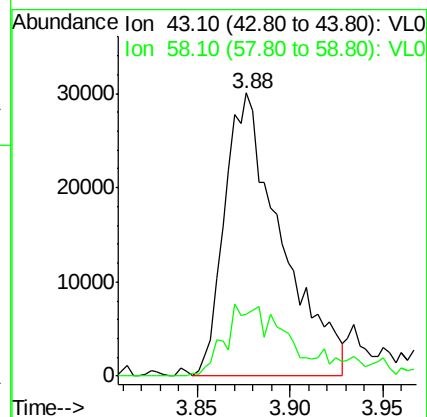
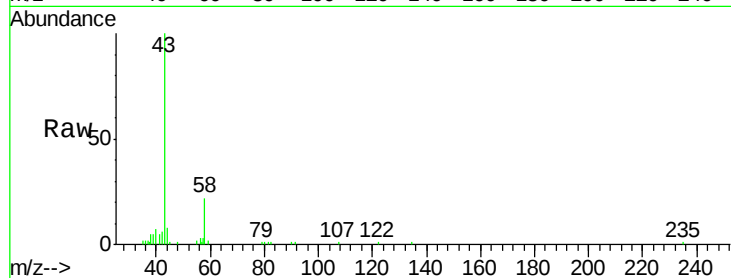
Acq: 18 Oct 2021 19:24

Tgt Ion: 43 Resp: 63641

Ion Ratio Lower Upper

43 100

58 30.1 23.0 34.6



#16

1,3-Butadiene

Concen: 0.405 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL037859.D

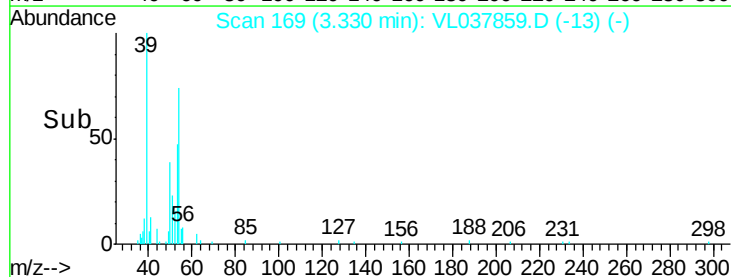
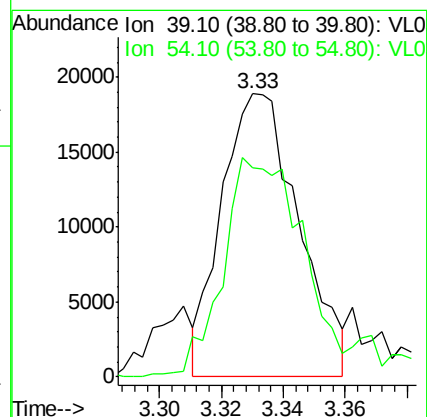
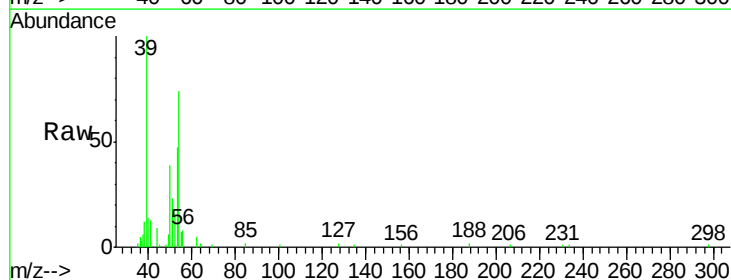
Acq: 18 Oct 2021 19:24

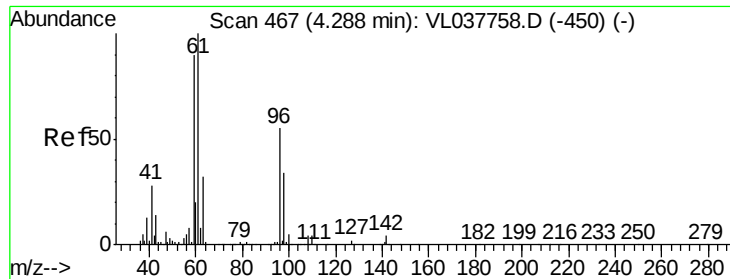
Tgt Ion: 39 Resp: 32792

Ion Ratio Lower Upper

39 100

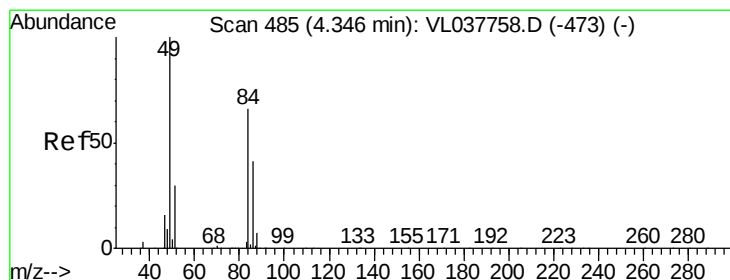
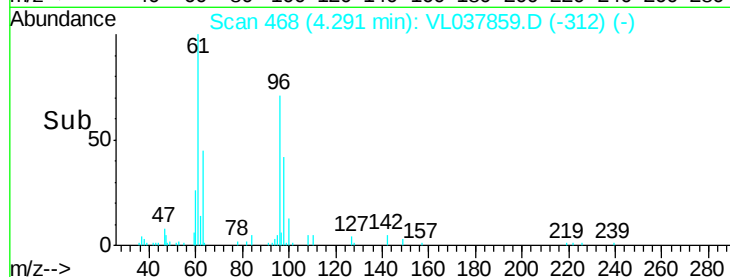
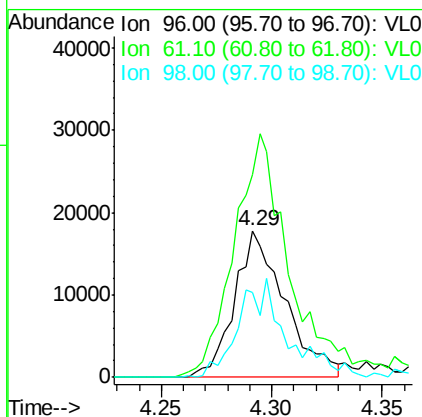
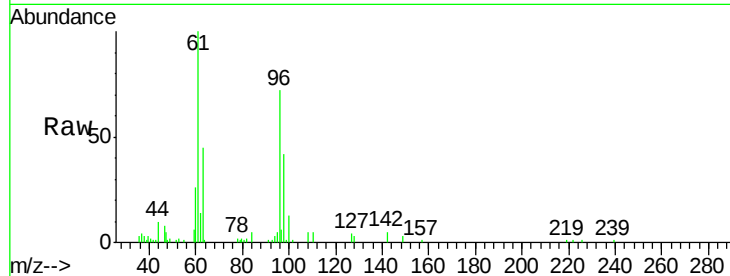
54 86.7 61.7 92.5





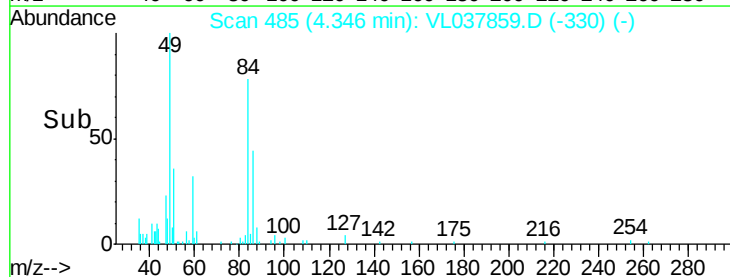
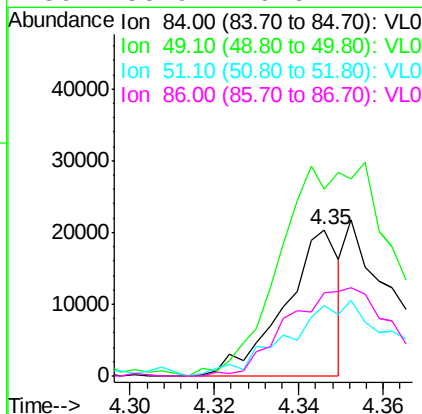
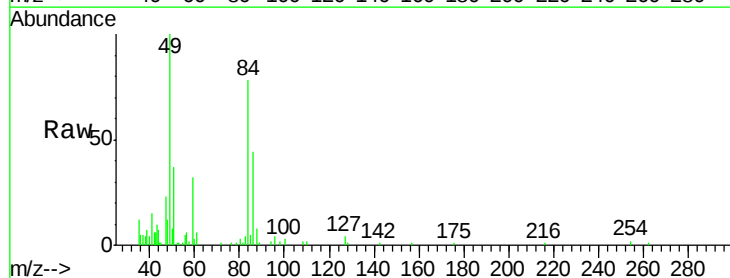
#18
 1,1-Dichloroethene
 Concen: 0.467 ppbv
 RT: 4.29 Instrument : MSVOA_1
 Delta R.T. ClientSampleId :
 Lab File: LOD-MDL-AIR-01-QT4-2021
 Acq: 18 Oct 2021 19:24

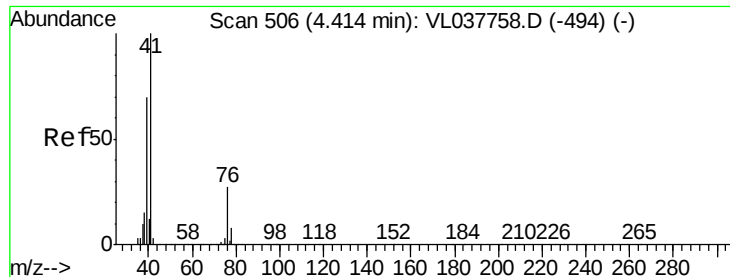
Tgt Ion:	96	Resp:	28391
Ion	Ratio	Lower	Upper
96	100		
61	134.6	146.2	219.4#
98	56.4	50.0	75.0



#20
 Methylene Chloride
 Concen: 0.325 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24

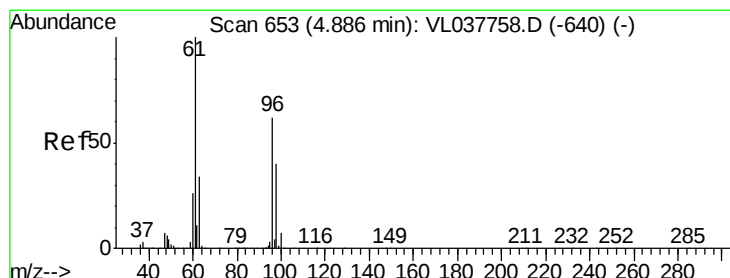
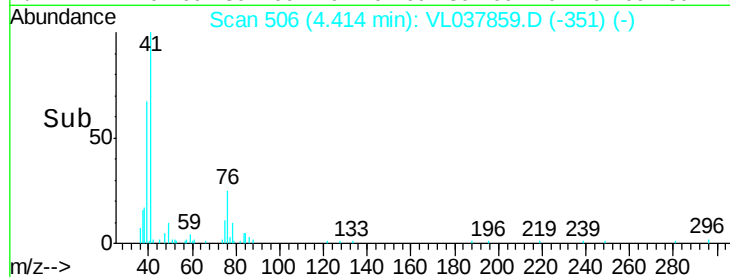
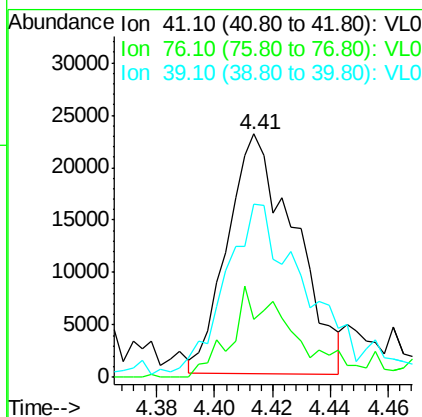
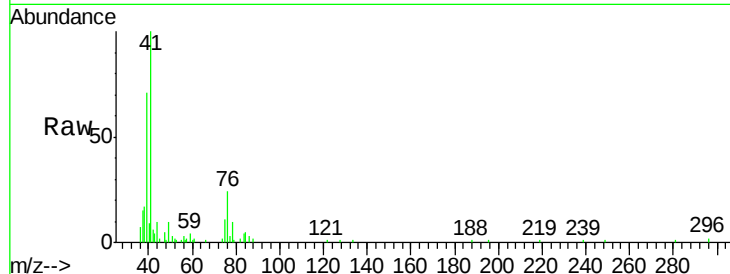
Tgt Ion:	84	Resp:	18281
Ion	Ratio	Lower	Upper
84	100		
49	128.4	120.7	181.1
51	47.9	36.2	54.4
86	56.9	49.6	74.4





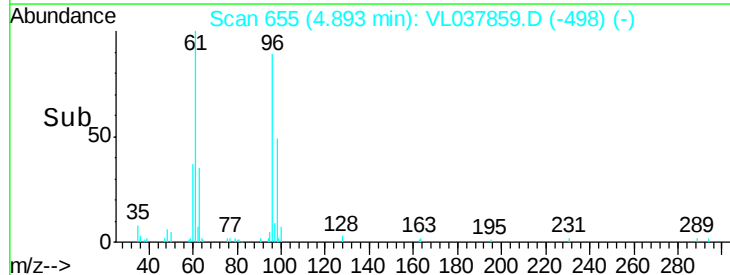
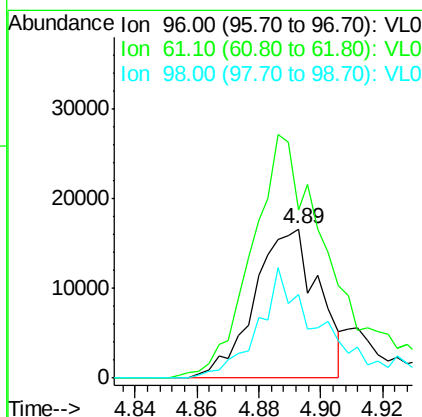
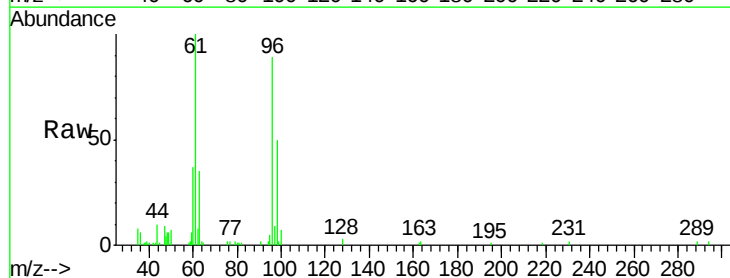
#21
 Allyl Chloride
 Concen: 0.374 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 Acq: 18 Oct 2021 19:24
 LOD-MDL-AIR-01-QT4-2021

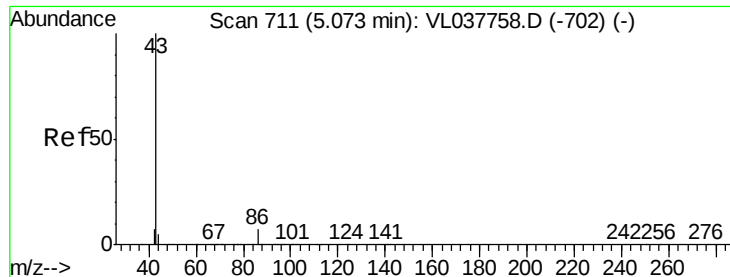
Tgt Ion:	41	Resp:	36828
Ion	Ratio	Lower	Upper
41	100		
76	40.6	22.4	33.6#
39	102.7	58.0	87.0#



#22
 trans-1,2-Dichloroethene
 Concen: 0.390 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24

Tgt Ion:	96	Resp:	23861
Ion	Ratio	Lower	Upper
96	100		
61	109.3	129.0	193.6#
98	56.4	51.7	77.5





#23

Vinyl Acetate

Concen: 0.120 ppbv

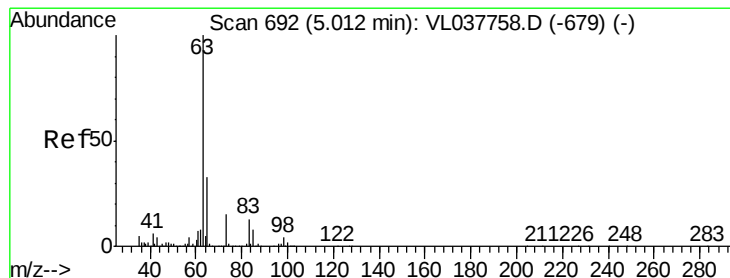
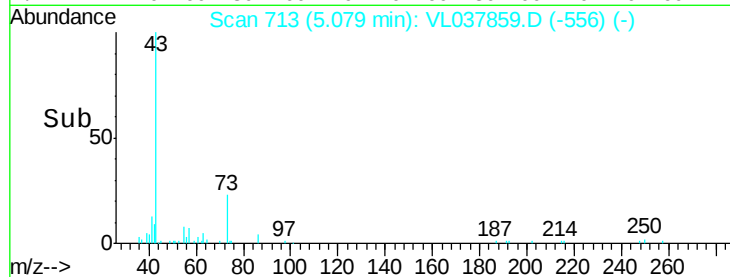
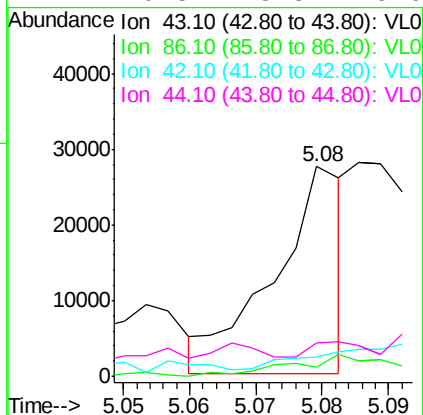
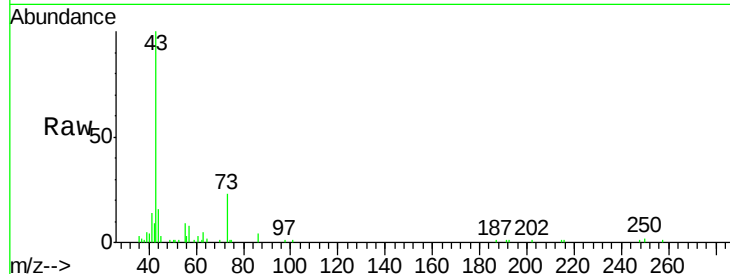
RT: 5.08 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LOD-MDL-AIR-01-QT4-2021

Acq: 18 Oct 2021 19:24

Tgt Ion:	43	Resp:	19919
Ion	Ratio	Lower	Upper
43	100		
86	5.0	5.0	7.4
42	4.8	7.4	11.0#
44	9.5	3.8	5.6#



#24

1,1-Dichloroethane

Concen: 0.479 ppbv

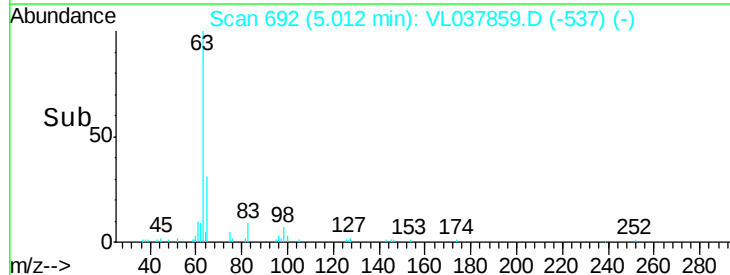
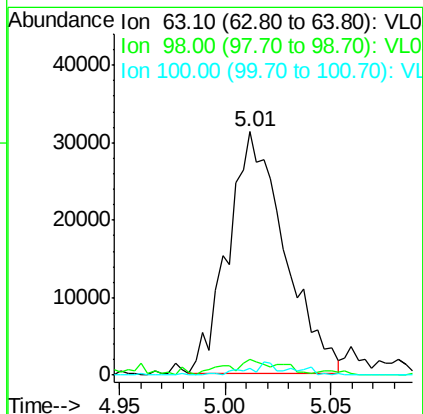
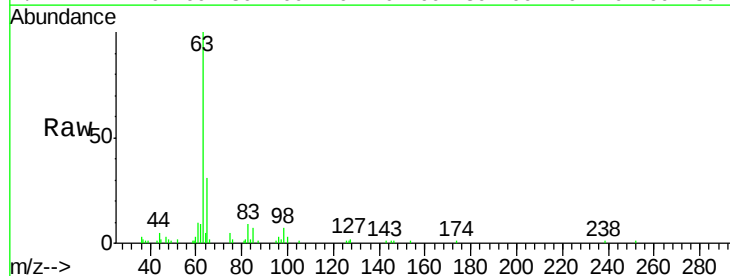
RT: 5.01 min Scan# 692

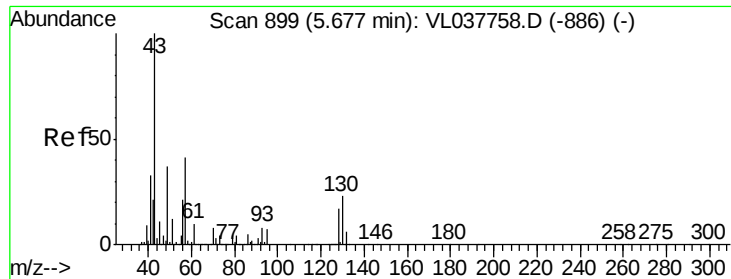
Delta R.T. -0.00 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

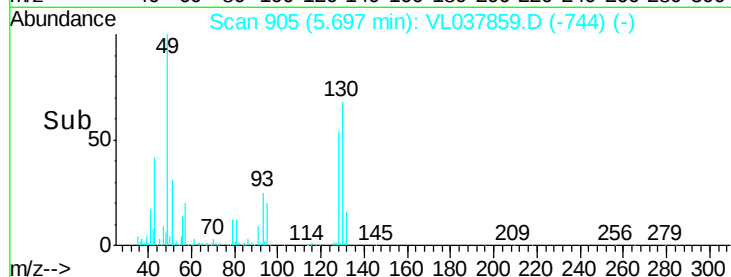
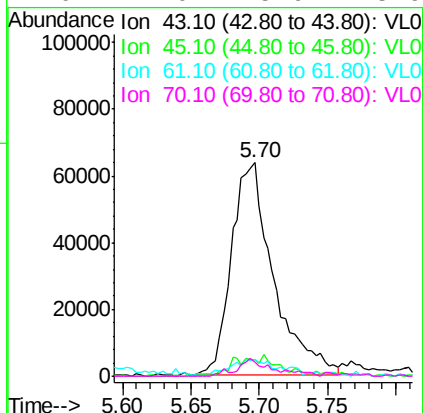
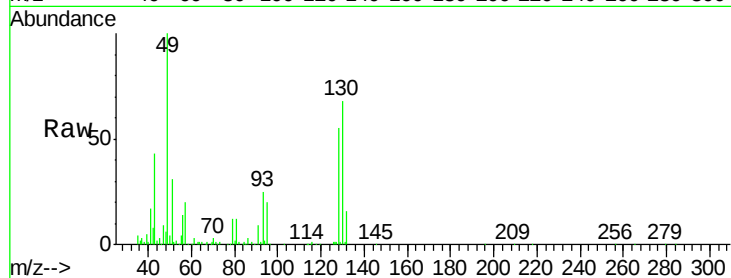
Tgt Ion:	63	Resp:	58069
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.3	6.9
100	2.7	1.1	3.1





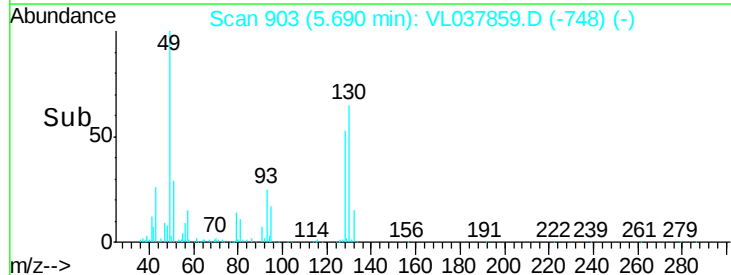
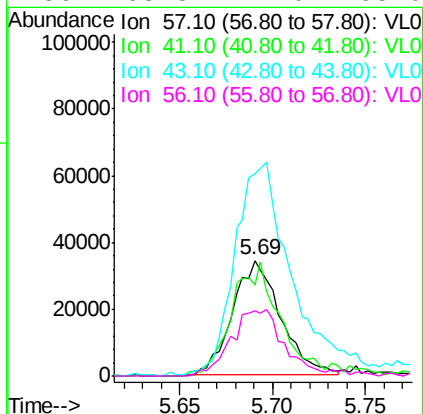
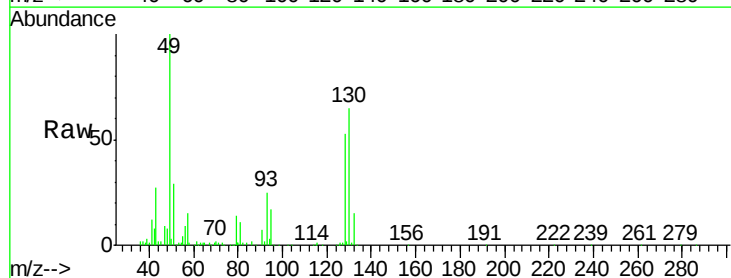
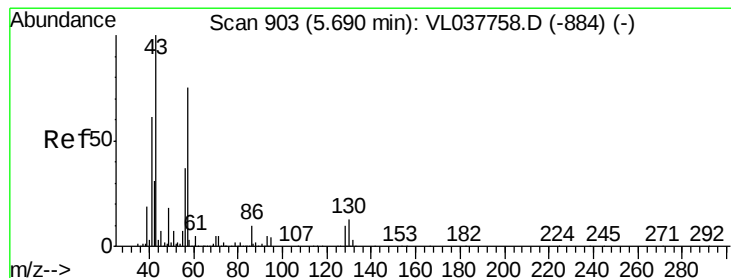
#25
Ethyl Acetate
Concen: 0.436 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 18 Oct 2021 19:24
LOD-MDL-AIR-01-QT4-2021

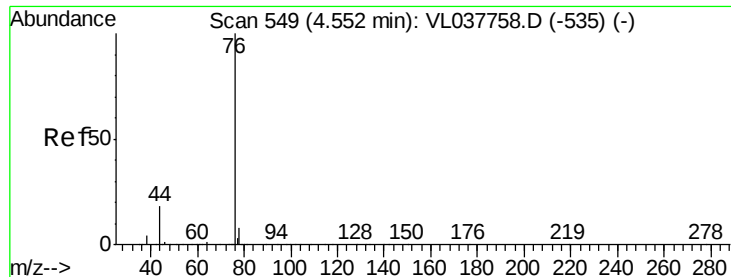
Tgt Ion:	43	Resp:	136175
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.1	12.1
61	11.1	7.5	11.3
70	7.0	5.9	8.9



#26
Hexane
Concen: 0.406 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL037859.D
Acq: 18 Oct 2021 19:24

Tgt Ion:	57	Resp:	62443
Ion	Ratio	Lower	Upper
57	100		
41	106.8	69.6	104.4#
43	228.4	171.4	257.0
56	65.8	42.0	63.0#





#27

Carbon Disulfide

Concen: 0.310 ppbv

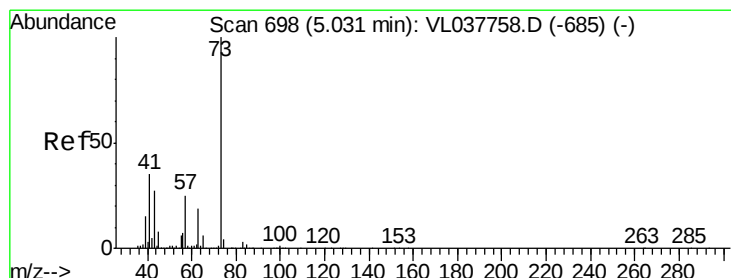
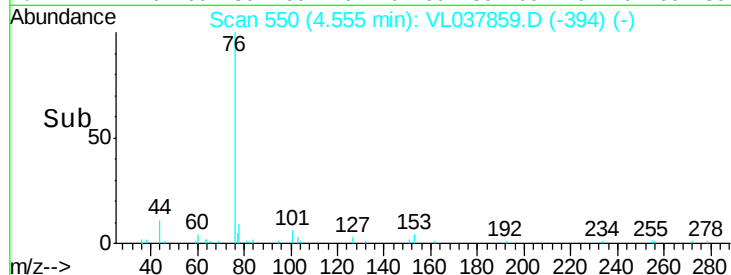
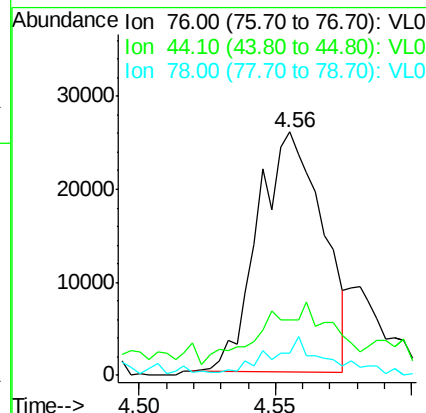
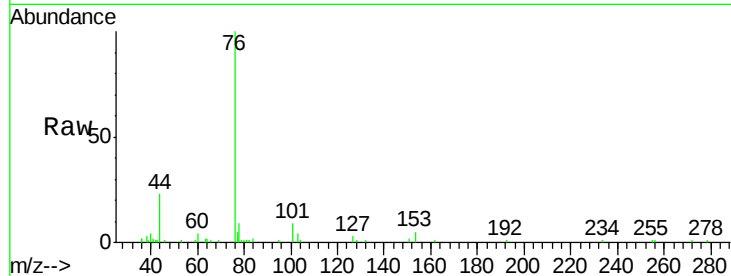
RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion:	76	Resp:	42272
Ion	Ratio	Lower	Upper
76	100		
44	33.5	14.3	21.5#
78	15.4	7.8	11.6#



#28

Methyl tert-Butyl Ether

Concen: 0.434 ppbv

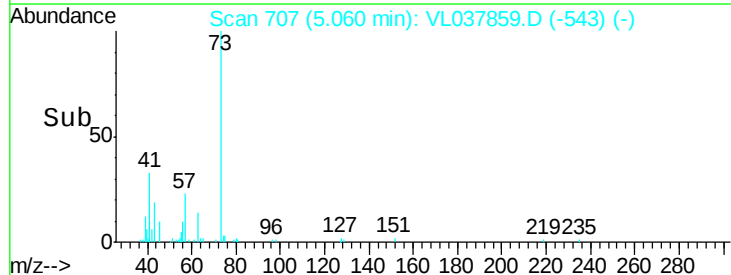
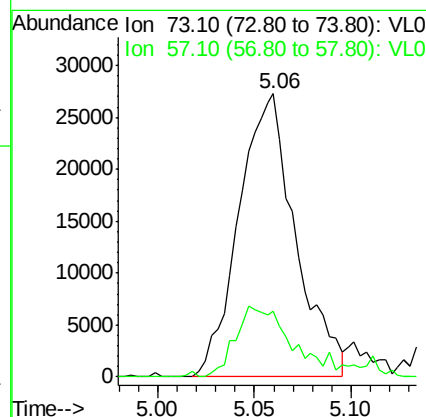
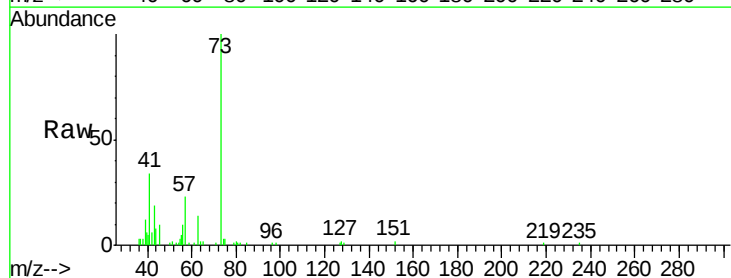
RT: 5.06 min Scan# 707

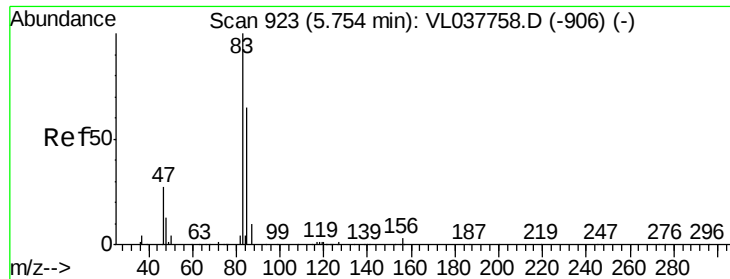
Delta R.T. 0.03 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

Tgt Ion:	73	Resp:	55511
Ion	Ratio	Lower	Upper
73	100		
57	28.0	20.4	30.6





#29

Chloroform

Concen: 0.461 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

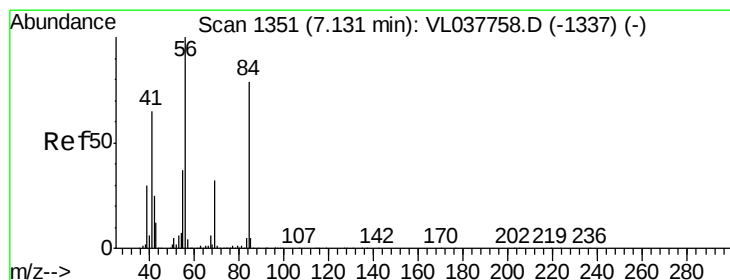
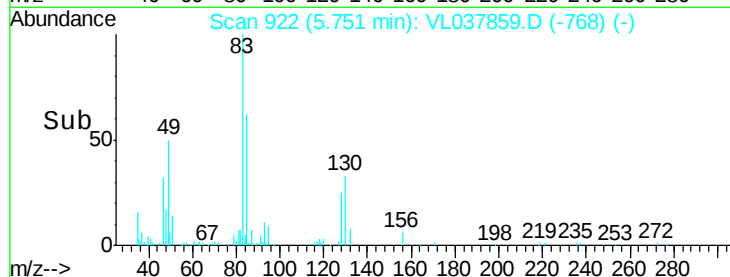
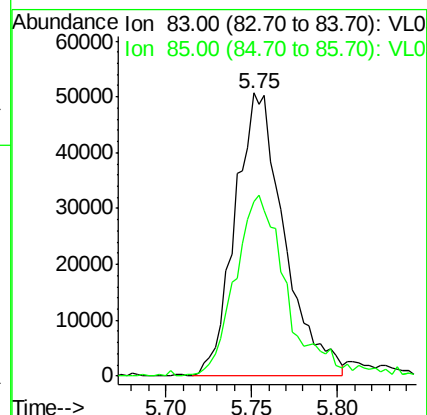
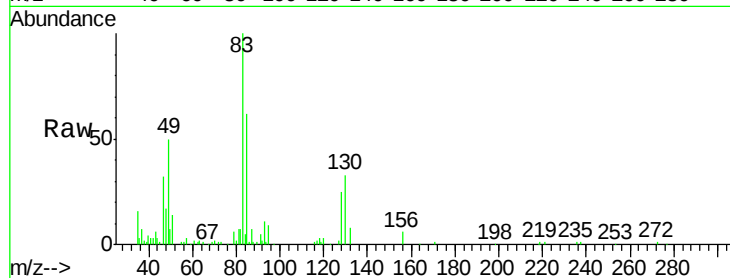
Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion: 83 Resp: 101138

Ion Ratio Lower Upper

83 100

85 61.4 51.8 77.8



#30

Cyclohexane

Concen: 0.189 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.00 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

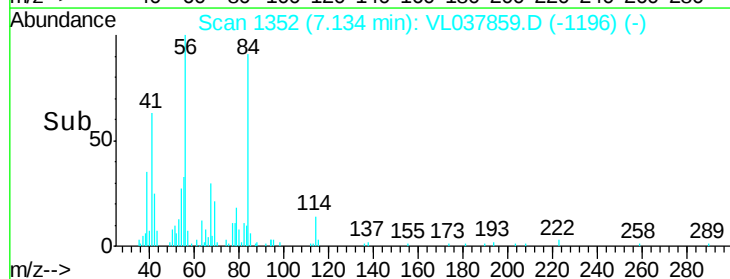
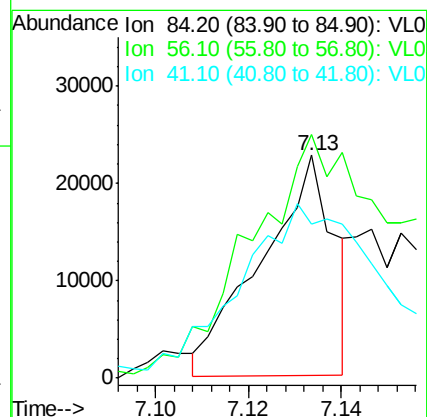
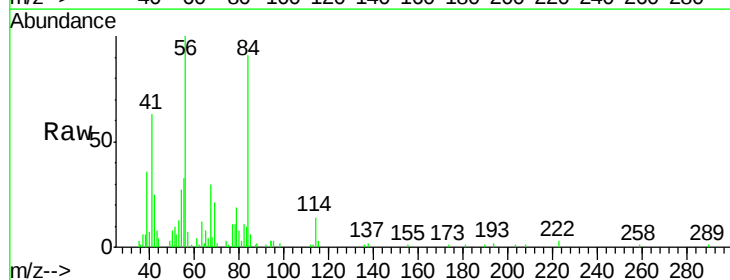
Tgt Ion: 84 Resp: 24617

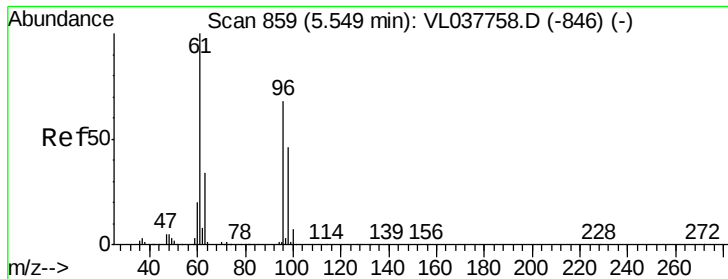
Ion Ratio Lower Upper

84 100

56 0.0 113.0 169.4#

41 171.9 69.1 103.7#





#31

cis-1,2-Dichloroethene

Concen: 0.211 ppbv

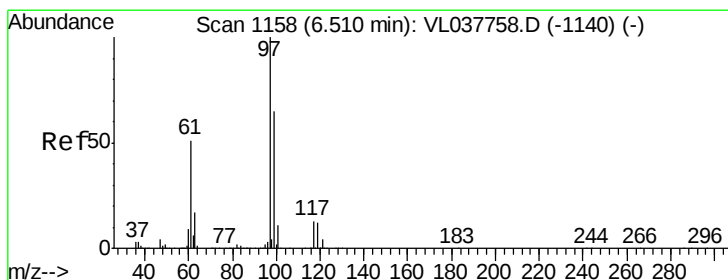
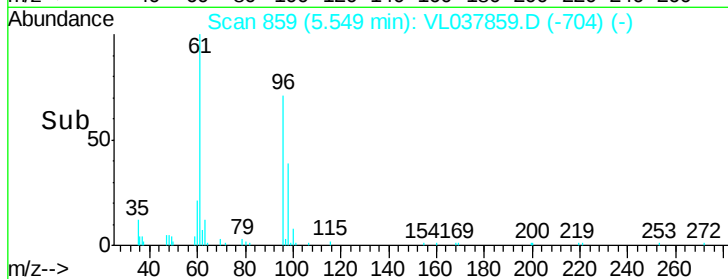
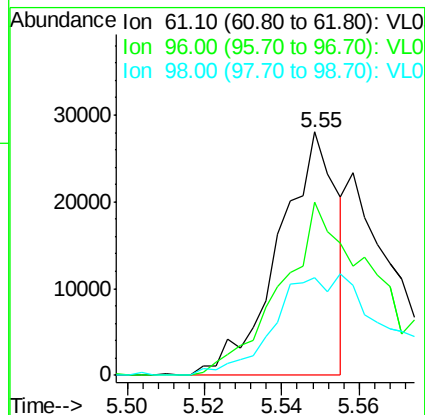
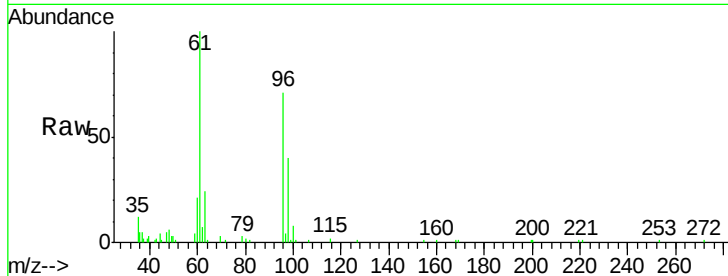
RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion:	61	Resp:	29402
Ion	Ratio	Lower	Upper
61	100		
96	70.9	54.2	81.2
98	40.3	36.6	54.8



#32

1,1,1-Trichloroethane

Concen: 0.410 ppbv

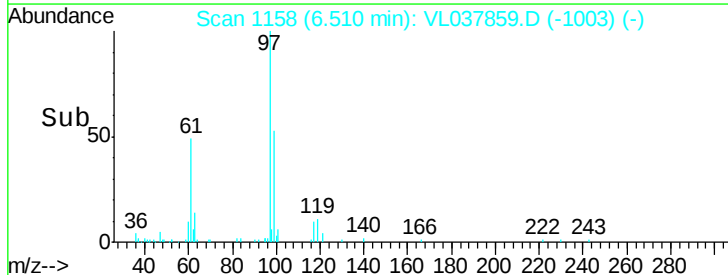
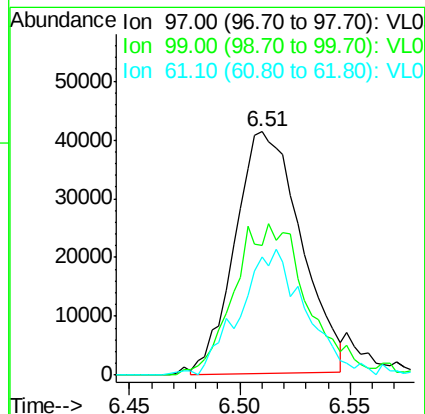
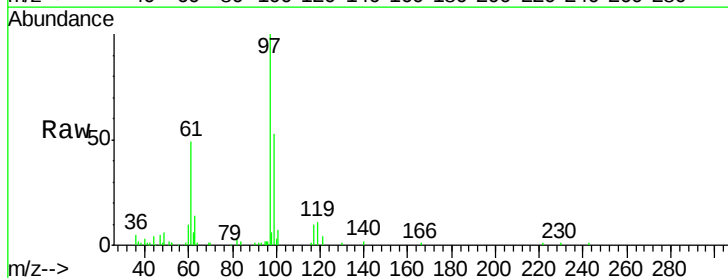
RT: 6.51 min Scan# 1158

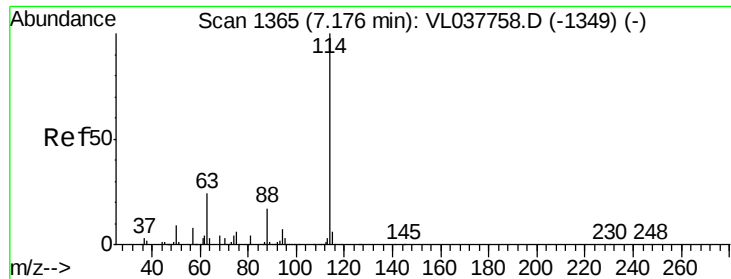
Delta R.T. -0.00 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

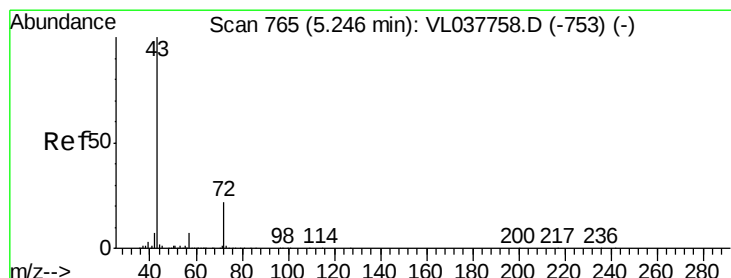
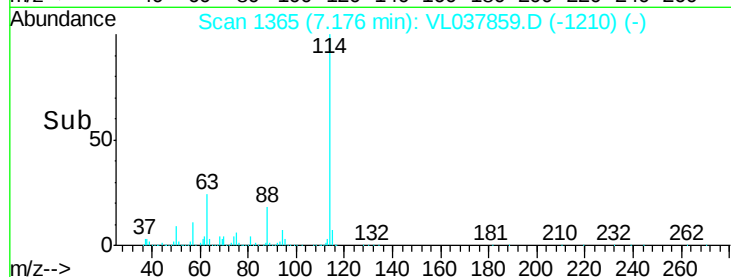
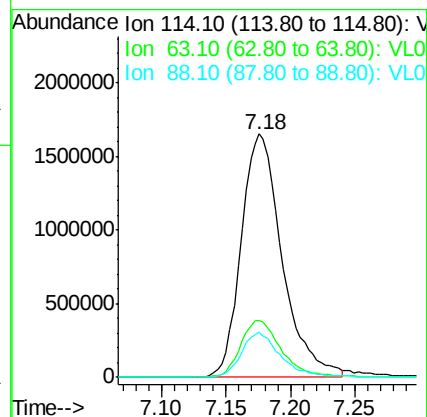
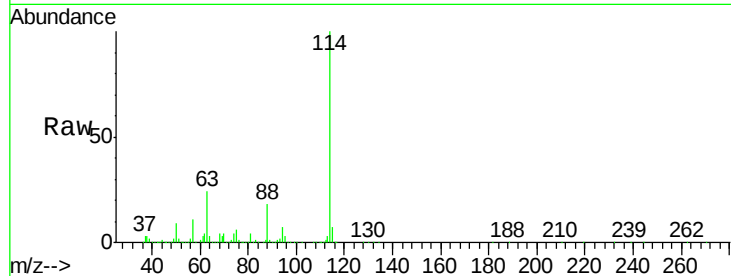
Tgt Ion:	97	Resp:	85424
Ion	Ratio	Lower	Upper
97	100		
99	70.9	52.6	78.8
61	53.1	40.2	60.4



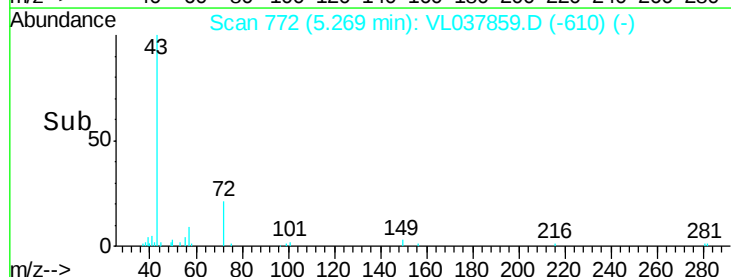
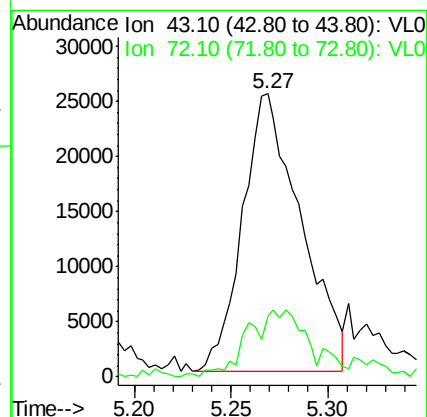
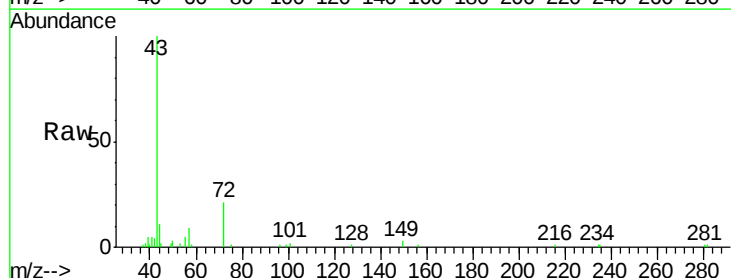


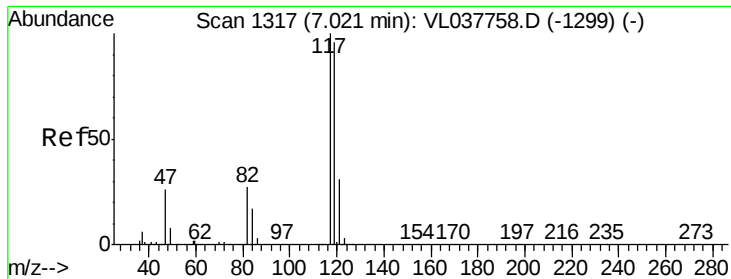
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 18 Oct 2021 19:24
 LOD-MDL-AIR-01-QT4-2021

Tgt Ion: 114 Resp: 3648984
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.4 29.2
 88 18.1 14.4 21.6



#34
 2-Butanone
 Concen: 0.359 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.02 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24
 Tgt Ion: 43 Resp: 52819
 Ion Ratio Lower Upper
 43 100
 72 30.8 18.2 27.2#





#35

Carbon Tetrachloride

Concen: 0.413 ppbv

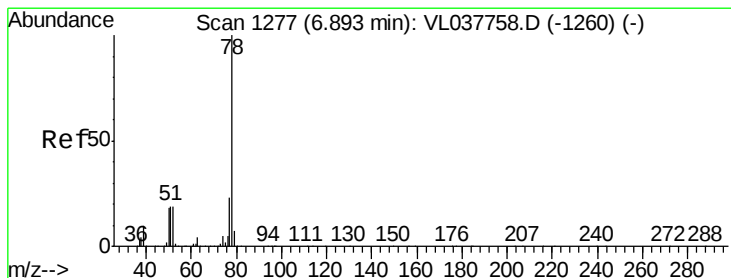
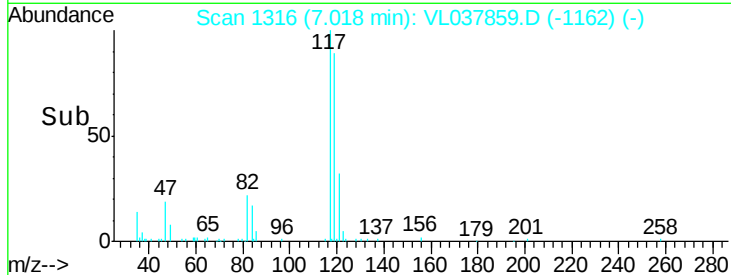
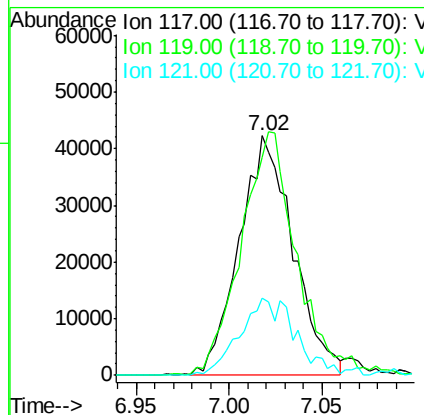
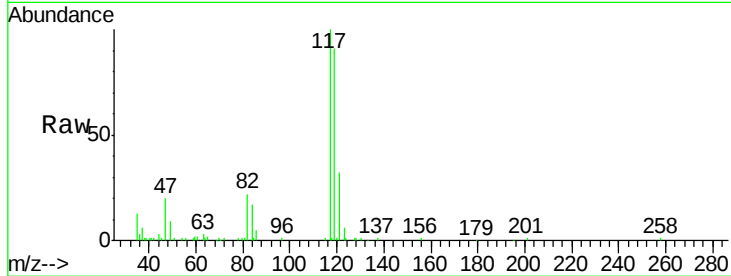
RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion:	117	Resp:	85686
Ion	Ratio	Lower	Upper
117	100		
119	90.4	76.5	114.7
121	32.3	24.9	37.3



#36

Benzene

Concen: 0.384 ppbv

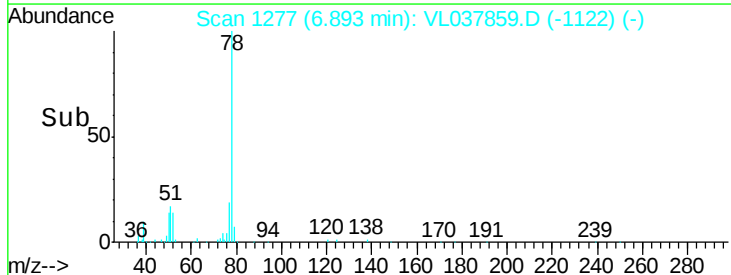
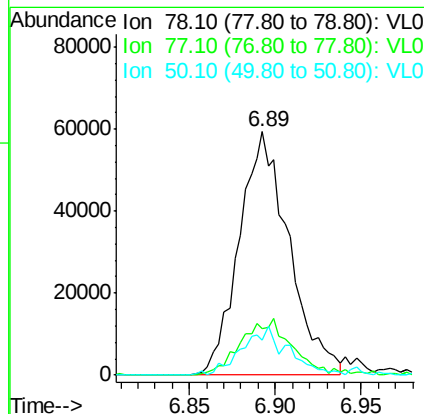
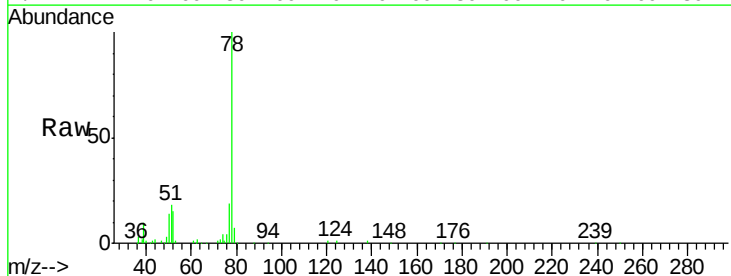
RT: 6.89 min Scan# 1277

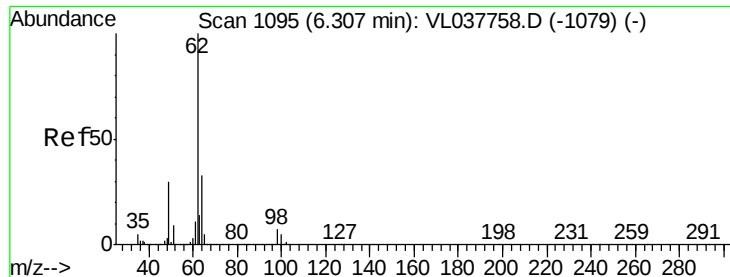
Delta R.T. -0.00 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

Tgt Ion:	78	Resp:	119678
Ion	Ratio	Lower	Upper
78	100		
77	18.7	18.8	28.2#
50	14.1	14.7	22.1#





#37

1,2-Dichloroethane

Concen: 0.395 ppbv

RT: 6.31 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

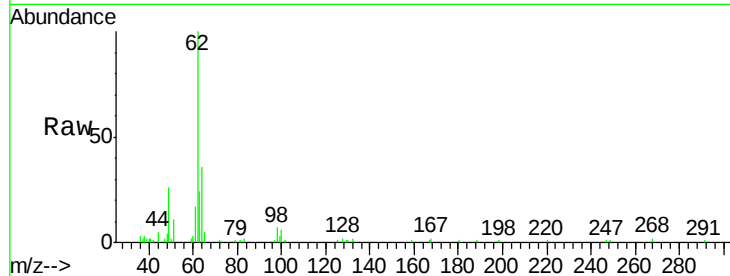
Acq: 18 Oct 2021 19:24

Tgt Ion: 62 Resp: 57923

Ion Ratio Lower Upper

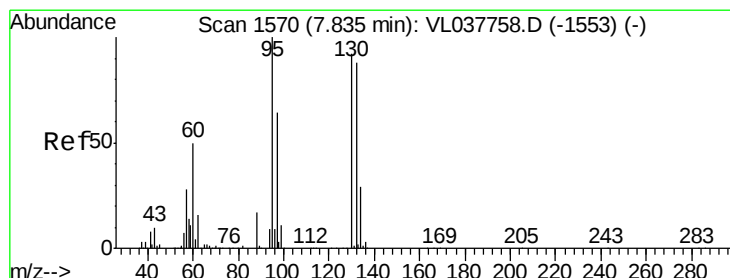
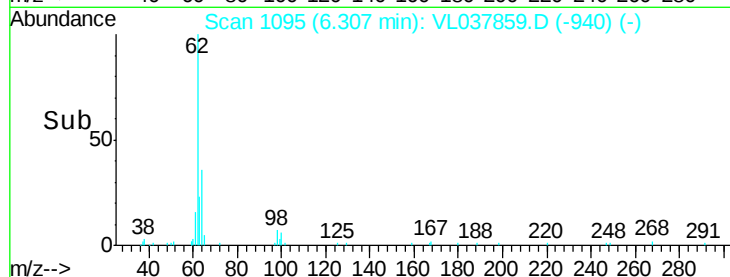
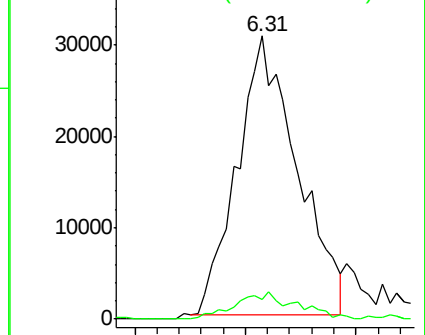
62 100

98 10.3 6.1 9.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.403 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

Tgt Ion: 130 Resp: 49681

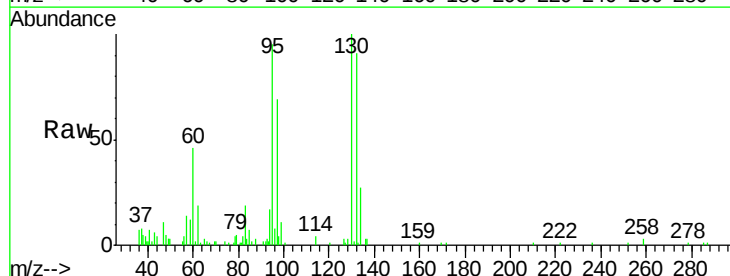
Ion Ratio Lower Upper

130 100

95 93.5 87.4 131.0

132 90.6 76.8 115.2

97 68.4 55.8 83.8

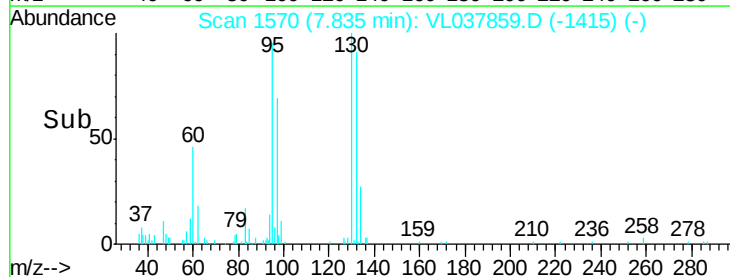
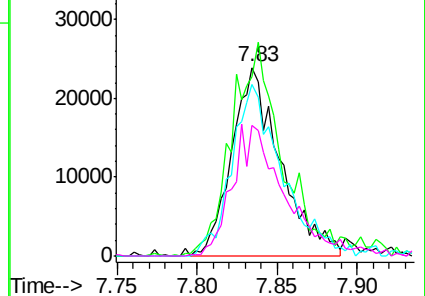


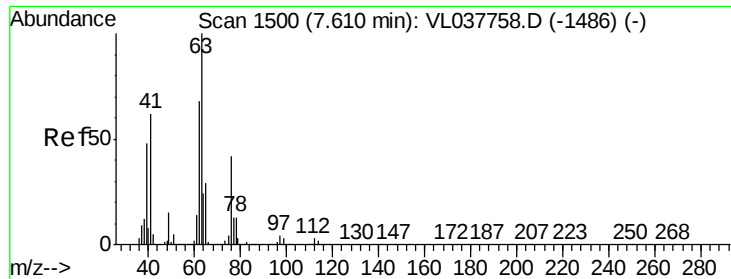
Abundance Ion 130.00 (129.70 to 130.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): VL0

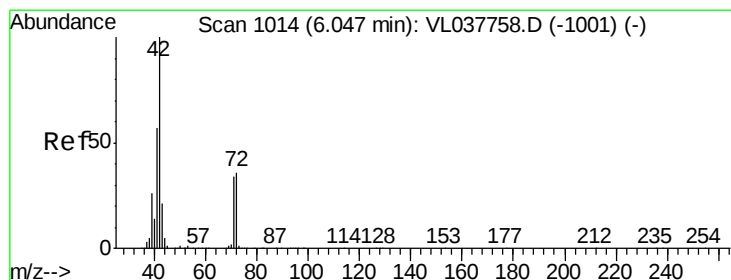
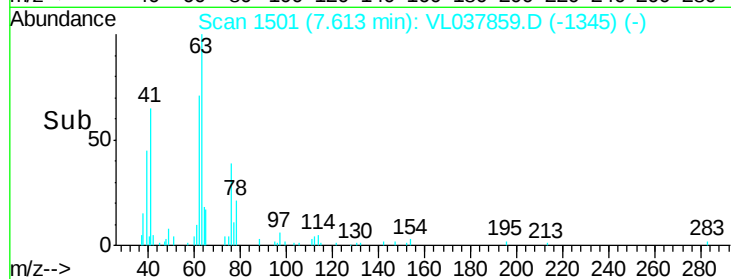
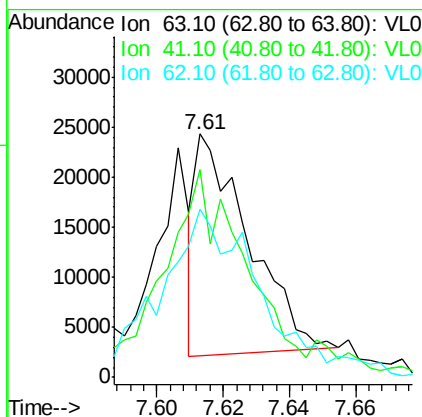
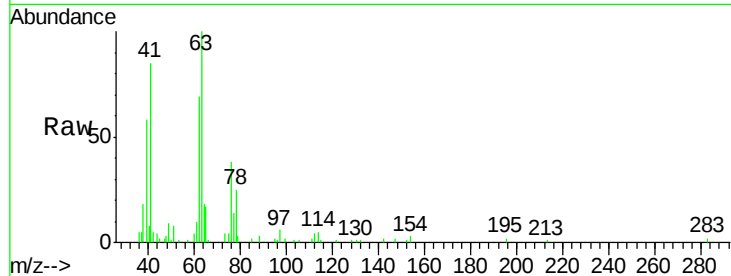
Ion 97.00 (96.70 to 97.70): VL0





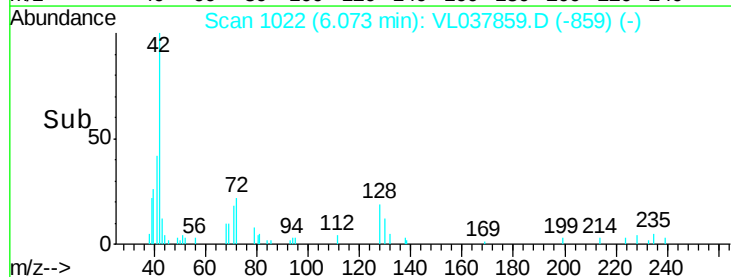
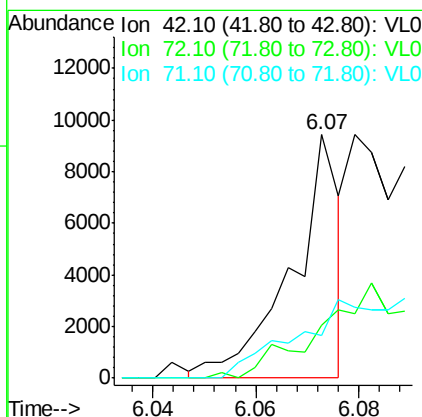
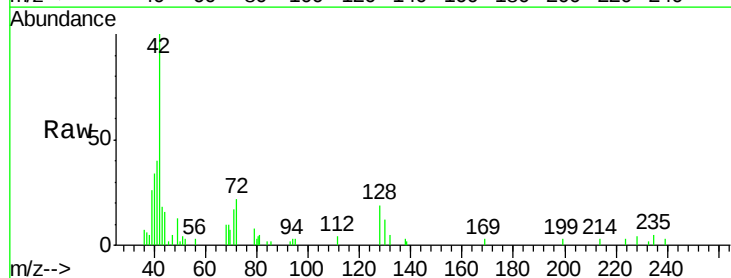
#39
 1,2-Dichloropropane
 Concen: 0.208 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Oct 2021 19:24
 LOD-MDL-AIR-01-QT4-2021

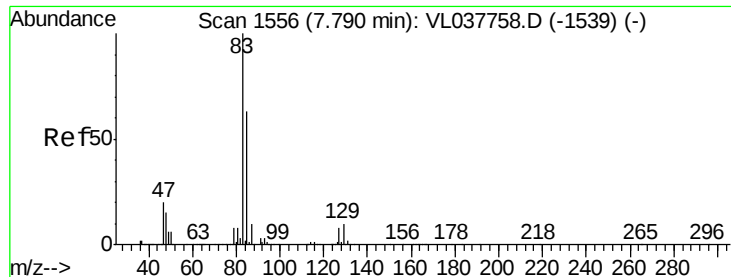
Tgt Ion:	63	Resp:	24380
Ion	Ratio	Lower	Upper
63	100		
41	88.7	49.8	74.6#
62	68.8	54.6	82.0



#41
 Tetrahydrofuran
 Concen: 0.084 ppbv
 RT: 6.07 min Scan# 1022
 Delta R.T. 0.03 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24

Tgt Ion:	42	Resp:	6056
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	0.0	30.3	45.5#





#42

Bromodichloromethane

Concen: 0.401 ppbv

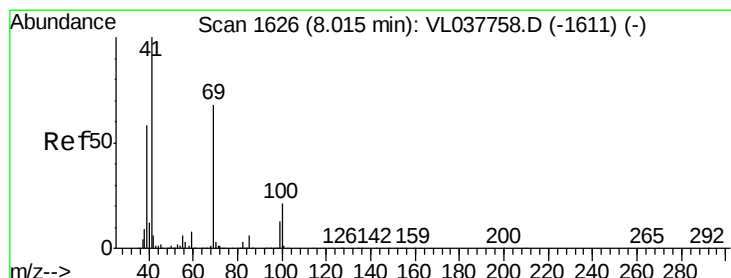
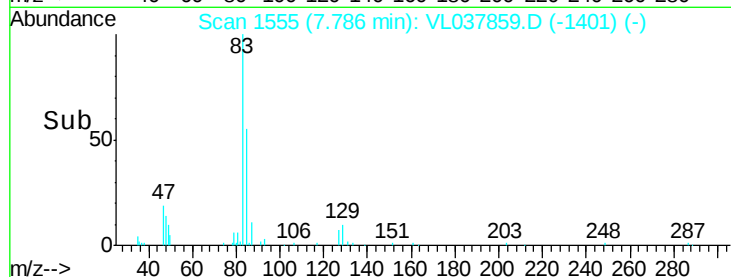
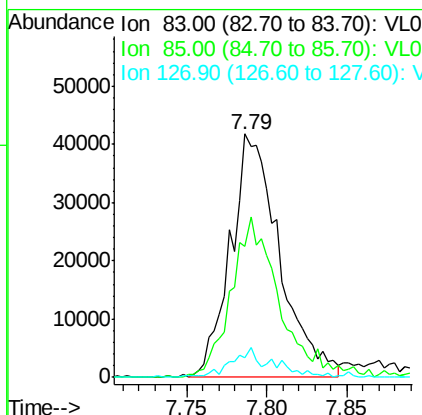
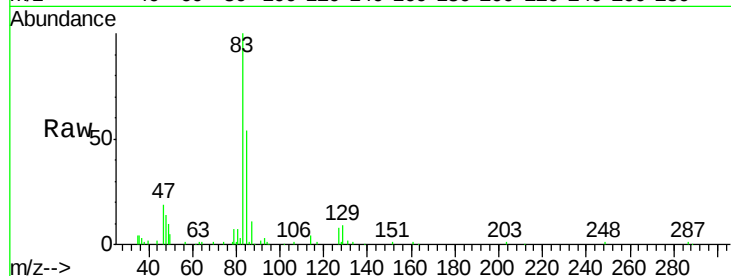
RT: 7.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

Tgt Ion:	83	Resp:	86423
Ion	Ratio	Lower	Upper
83	100		
85	52.8	50.6	75.8
127	7.4	6.2	9.4



#43

Methyl Methacrylate

Concen: 0.283 ppbv

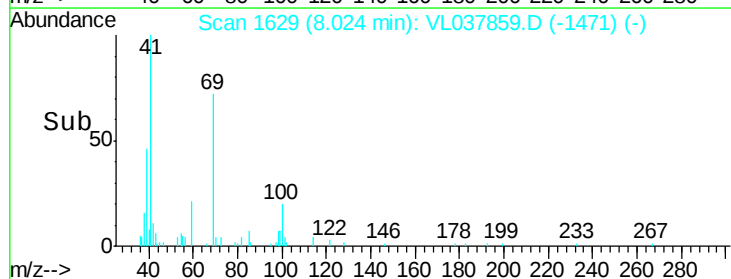
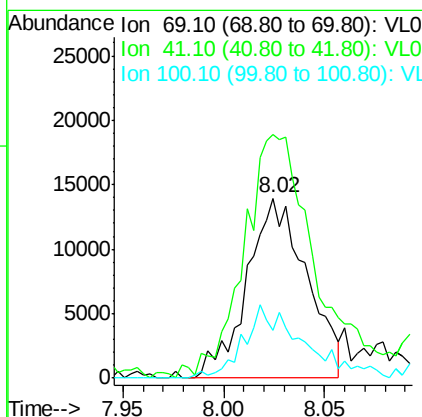
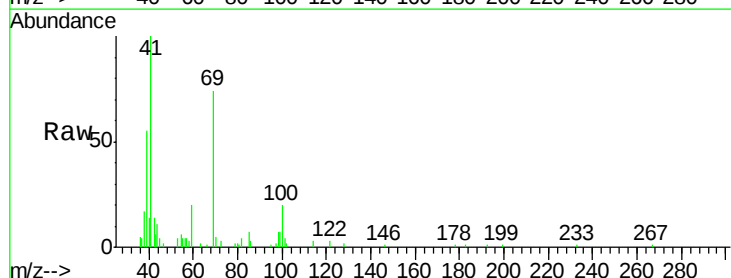
RT: 8.02 min Scan# 1629

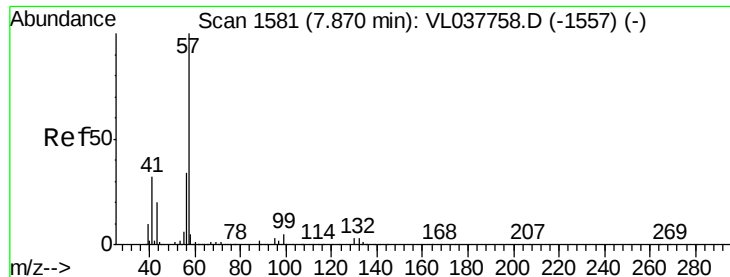
Delta R.T. 0.01 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

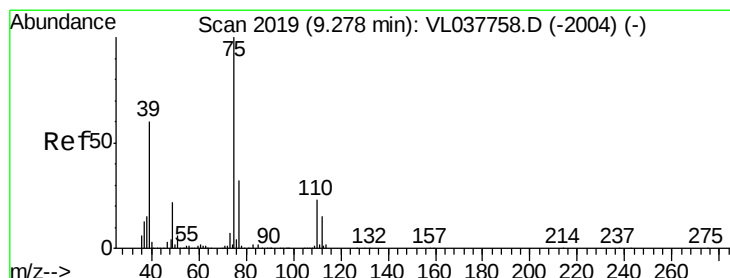
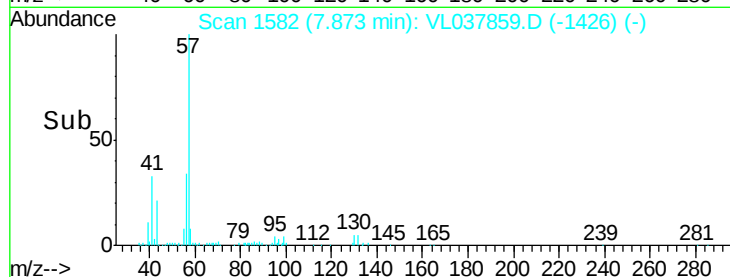
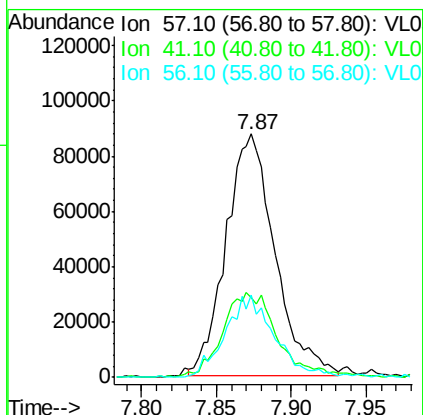
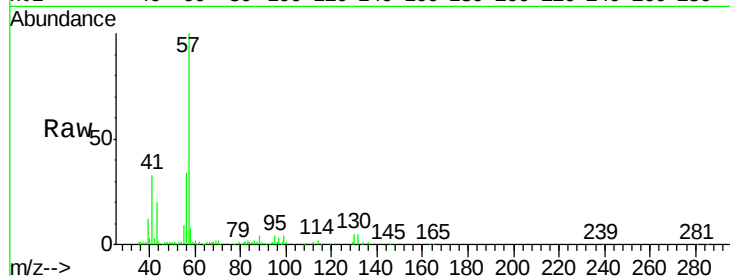
Tgt Ion:	69	Resp:	28766
Ion	Ratio	Lower	Upper
69	100		
41	162.7	121.0	181.4
100	40.5	27.7	41.5





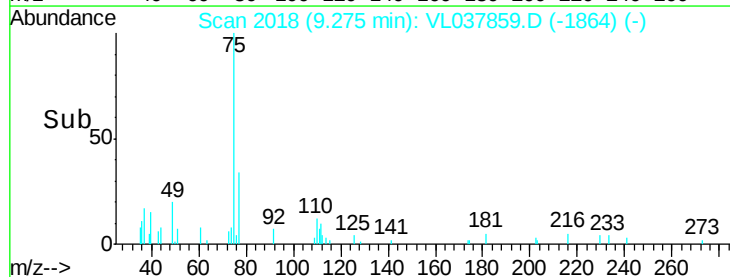
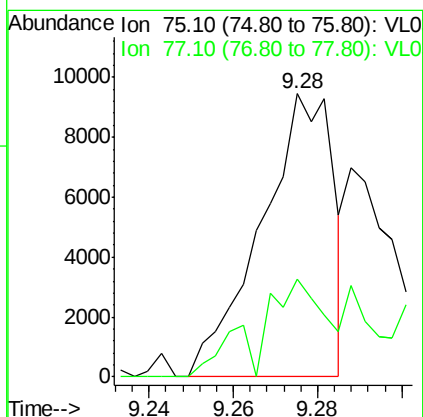
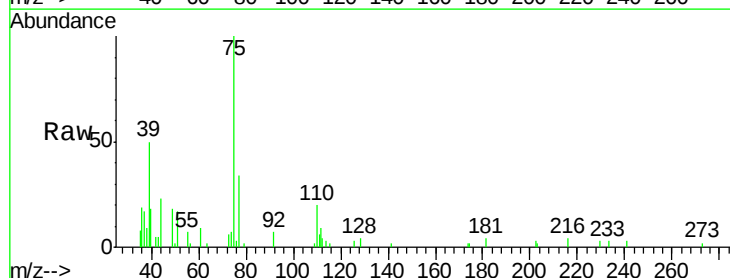
#44
 2,2,4-Trimethylpentane
 Concen: 0.382 ppbv
 RT: 7.87
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Oct 2021 19:24
 LOD-MDL-AIR-01-QT4-2021

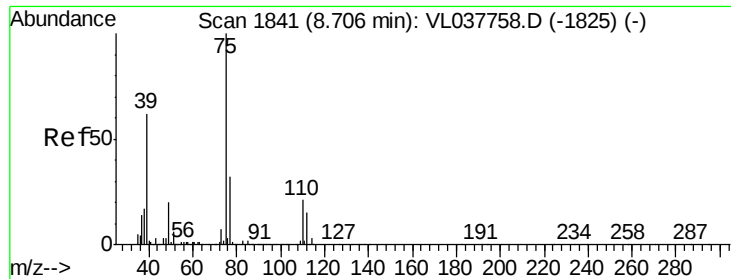
Tgt Ion: 57 Resp: 200274
 Ion Ratio Lower Upper
 57 100
 41 39.7 25.6 38.4#
 56 34.8 25.5 38.3



#45
 t-1,3-Dichloropropene
 Concen: 0.160 ppbv
 RT: 9.28 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24

Tgt Ion: 75 Resp: 11193
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.2 37.8





#46

cis-1,3-Dichloropropene

Concen: 0.095 ppbv

RT: 8.71 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24 LOD-MDL-AIR-01-QT4-2021

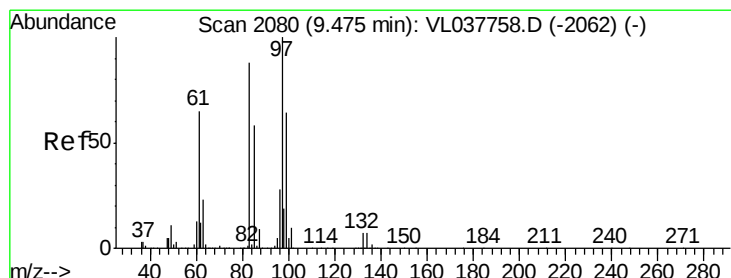
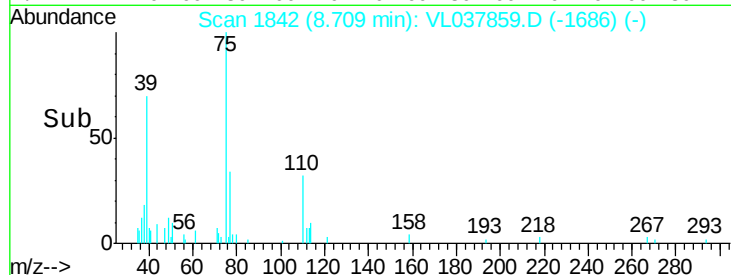
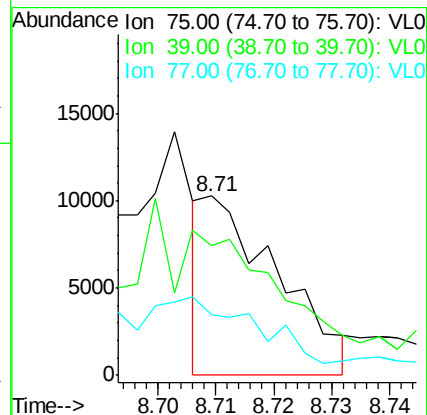
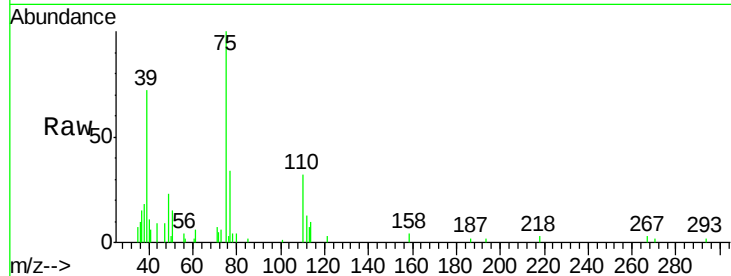
Tgt Ion: 75 Resp: 9218

Ion Ratio Lower Upper

75 100

39 52.9 49.9 74.9

77 32.5 25.9 38.9



#47

1,1,2-Trichloroethane

Concen: 0.401 ppbv

RT: 9.47 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

Tgt Ion: 97 Resp: 51074

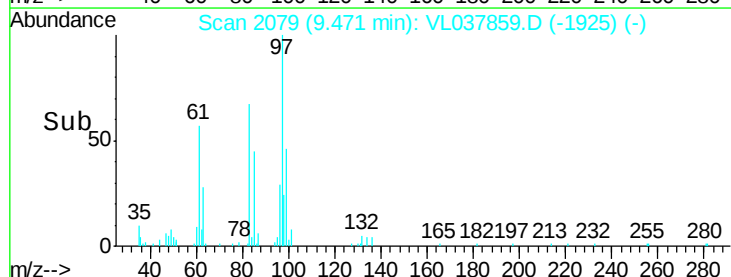
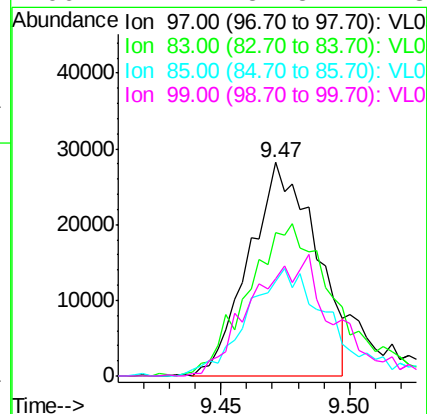
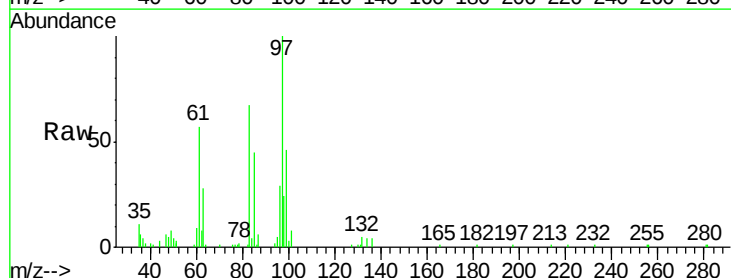
Ion Ratio Lower Upper

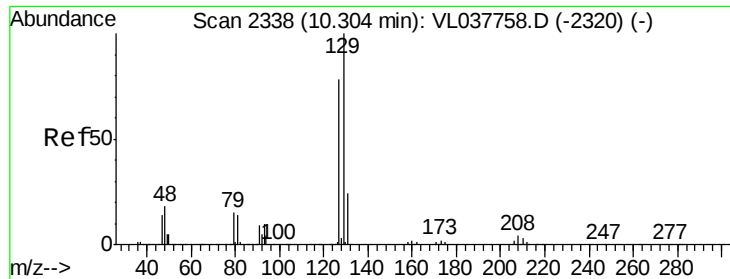
97 100

83 65.7 70.6 105.8#

85 41.6 45.9 68.9#

99 44.1 51.5 77.3#





#48

Dibromochloromethane

Concen: 0.341 ppbv

RT: 10.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

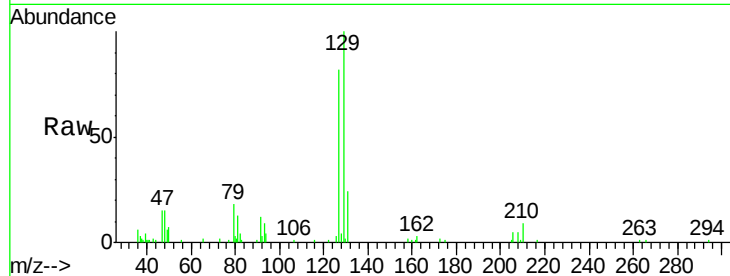
Acq: 18 Oct 2021 19:24

Tgt Ion:129 Resp: 61988

Ion Ratio Lower Upper

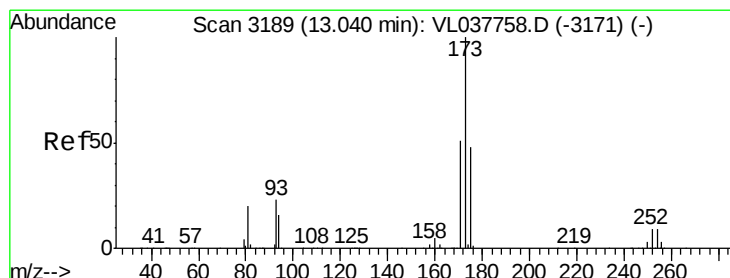
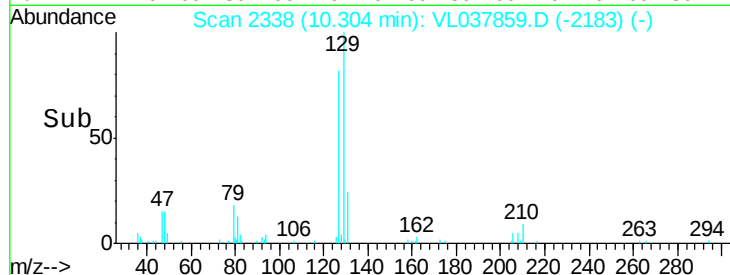
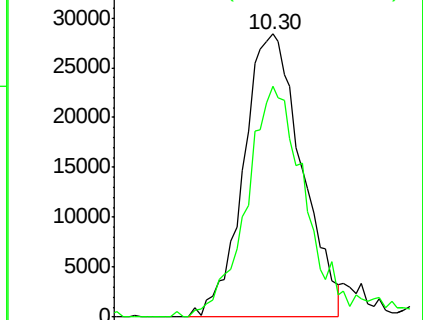
129 100

127 87.7 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.233 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.00 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

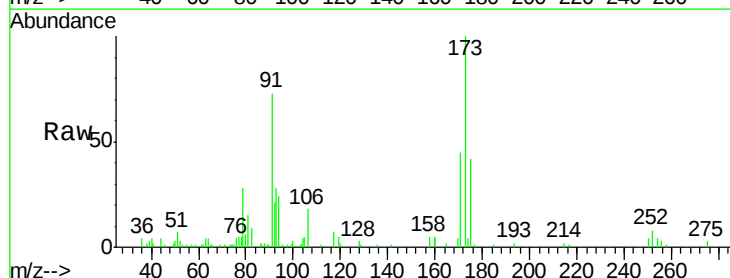
Tgt Ion:173 Resp: 32375

Ion Ratio Lower Upper

173 100

175 70.5 39.9 59.9#

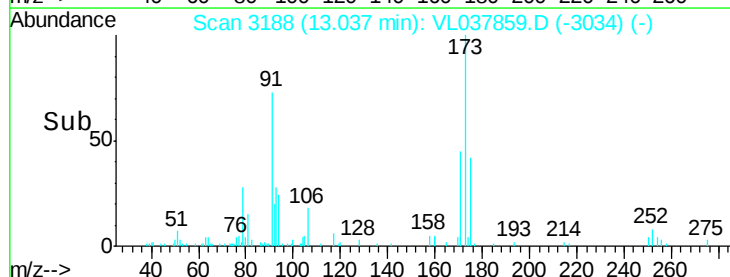
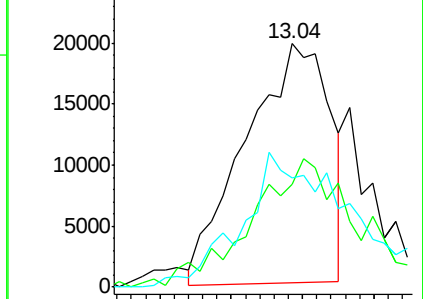
171 75.5 43.4 65.2#

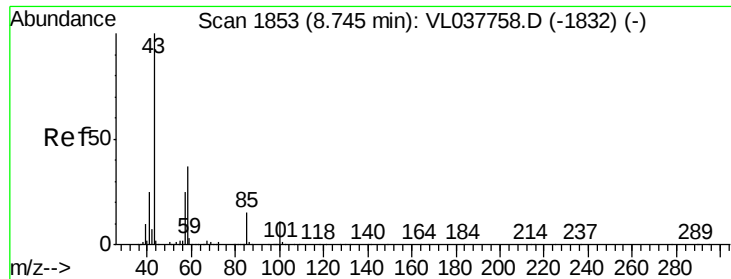


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

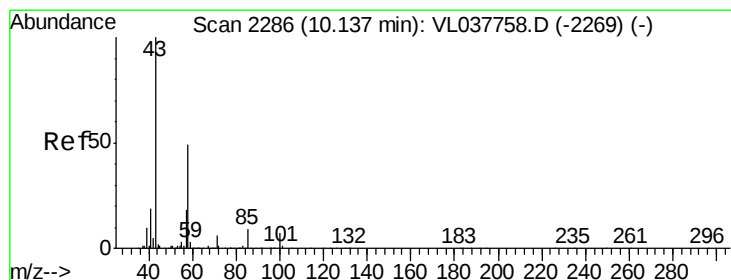
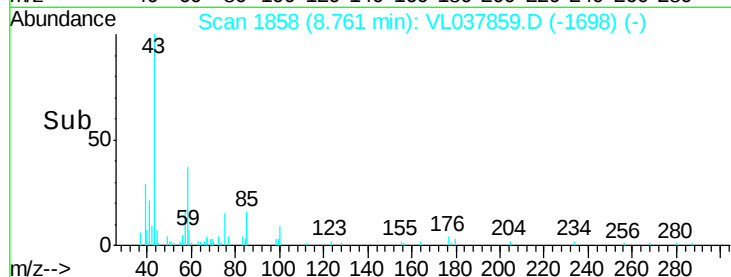
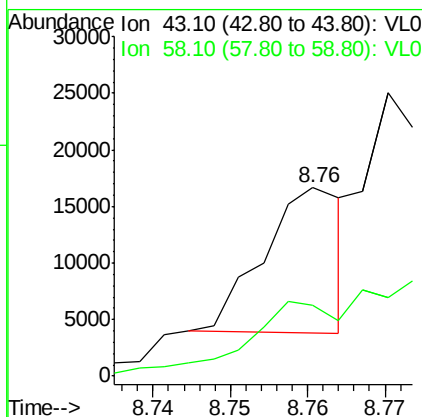
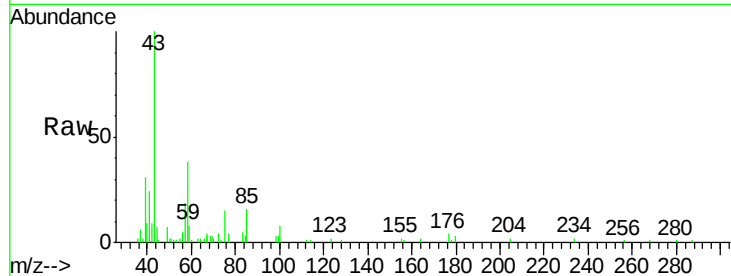
Ion 170.90 (170.60 to 171.60): V





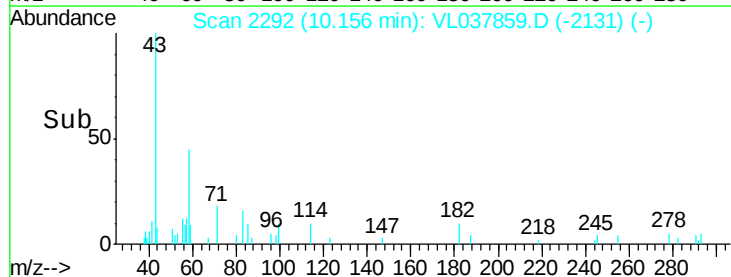
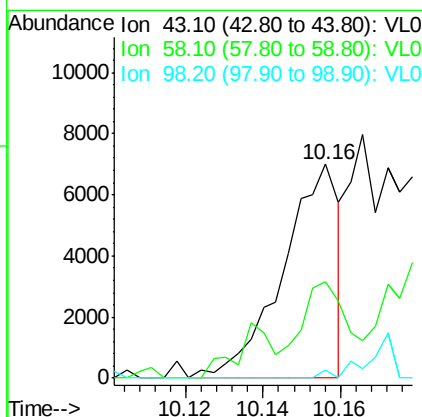
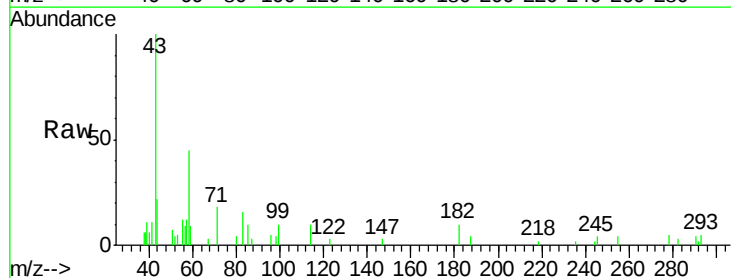
#50
 4-Methyl-2-Pentanone
 Concen: 0.048 ppbv
 RT: 8.76
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 18 Oct 2021 19:24

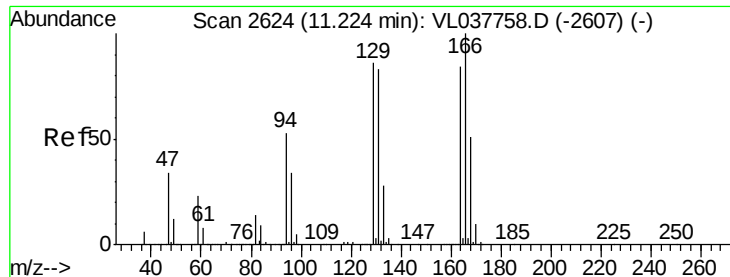
Tgt Ion: 43 Resp: 9130
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.4 44.0#



#51
 2-Hexanone
 Concen: 0.082 ppbv
 RT: 10.16 min Scan# 2292
 Delta R.T. 0.02 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24

Tgt Ion: 43 Resp: 7052
 Ion Ratio Lower Upper
 43 100
 58 55.5 39.4 59.0
 98 0.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 0.035 ppbv

RT: 11.24

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24

Tgt Ion: 164 Resp: 4210

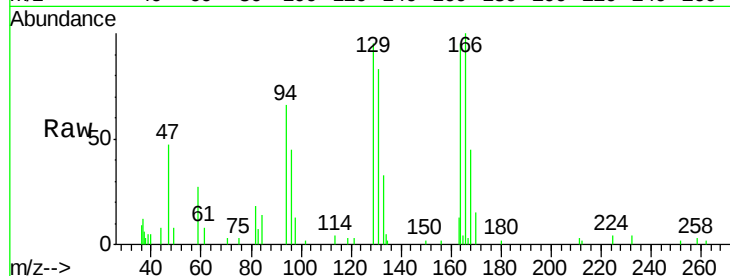
Ion Ratio Lower Upper

164 100

166 104.8 95.4 143.2

129 92.6 82.2 123.4

131 87.7 79.4 119.2

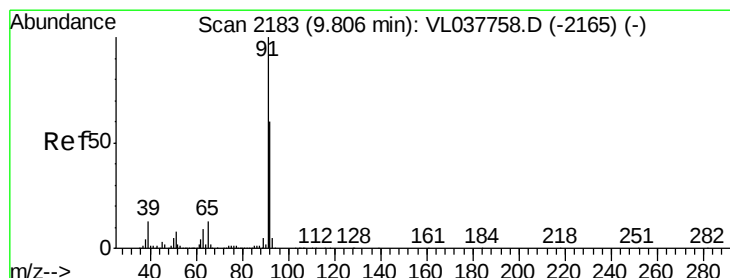
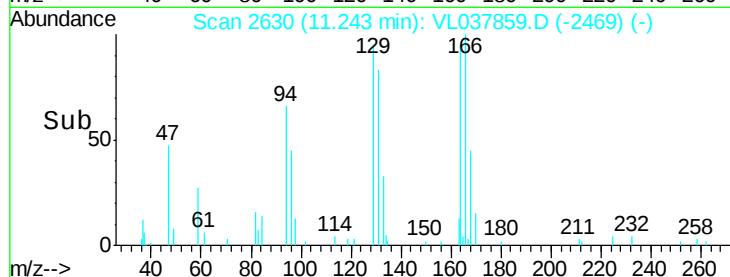
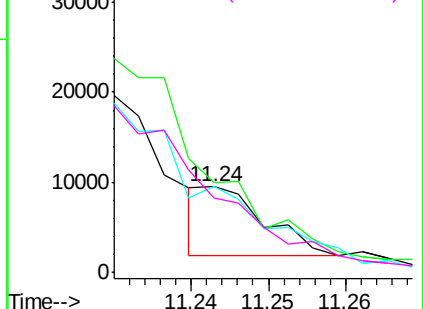


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.289 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL037859.D

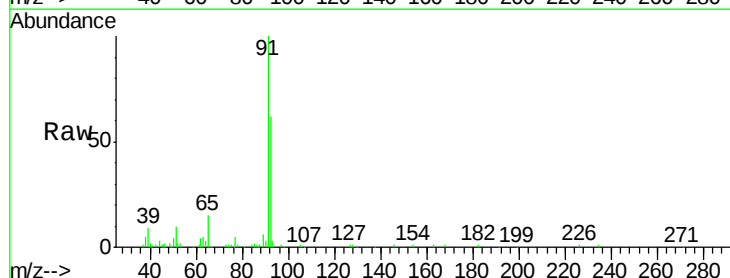
Acq: 18 Oct 2021 19:24

Tgt Ion: 91 Resp: 99659

Ion Ratio Lower Upper

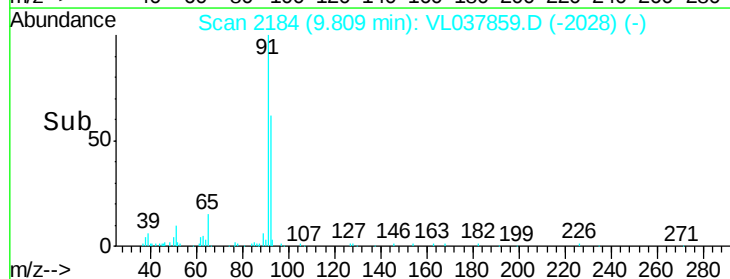
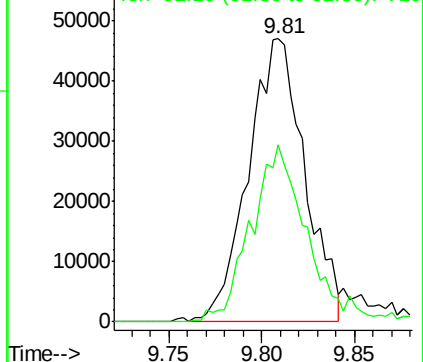
91 100

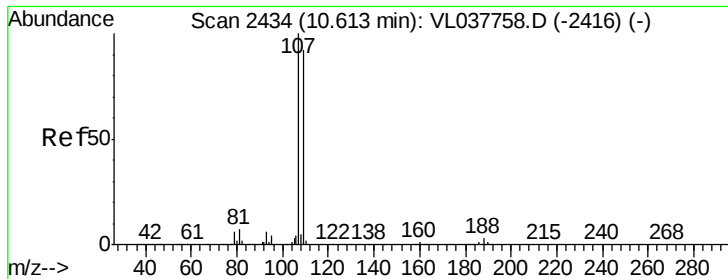
92 63.1 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

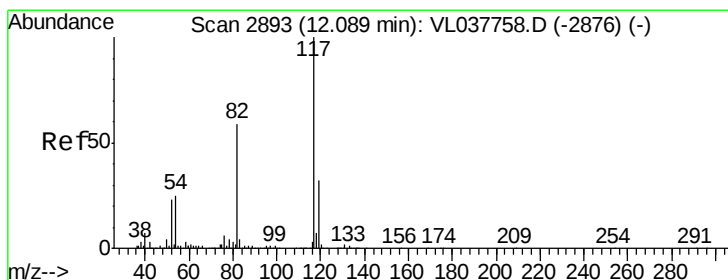
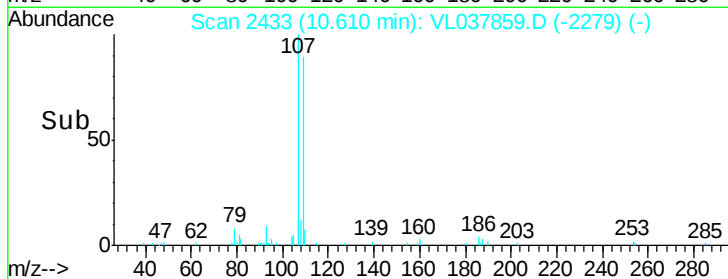
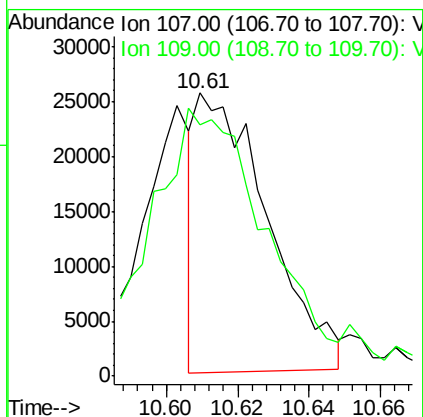
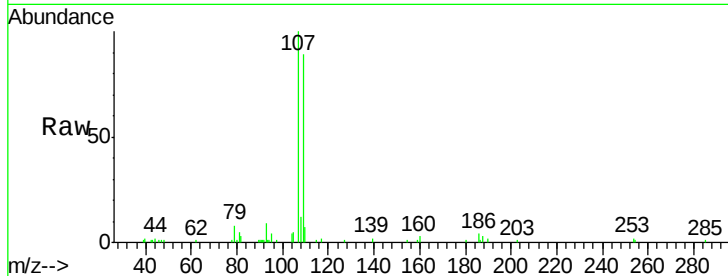
Ion 92.10 (91.80 to 92.80): VL0





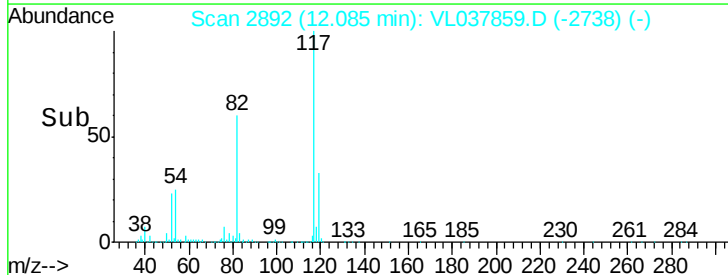
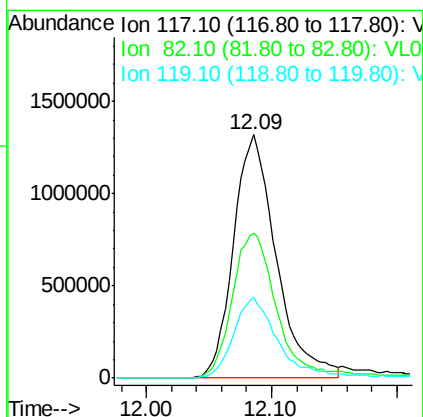
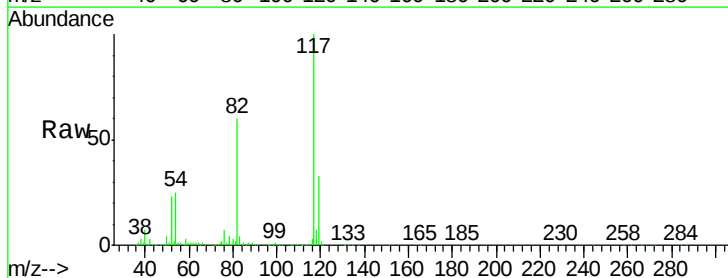
#54
 1,2-Dibromoethane
 Concen: 0.204 ppbv
 RT: 10.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021
 Acq: 18 Oct 2021 19:24

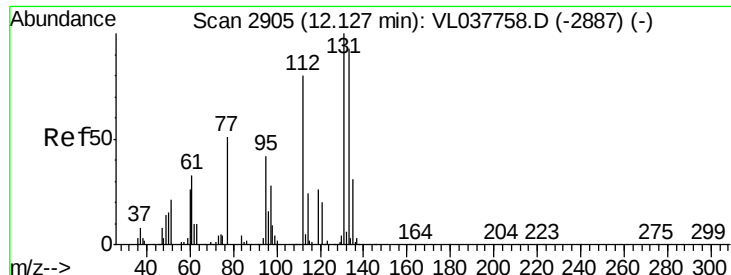
Tgt Ion: 107 Resp: 35122
 Ion Ratio Lower Upper
 107 100
 109 88.0 73.8 110.6



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T. -0.00 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24

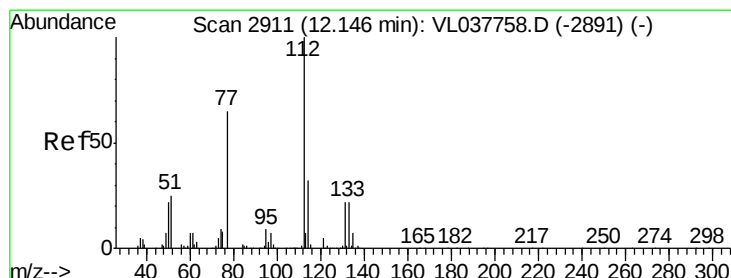
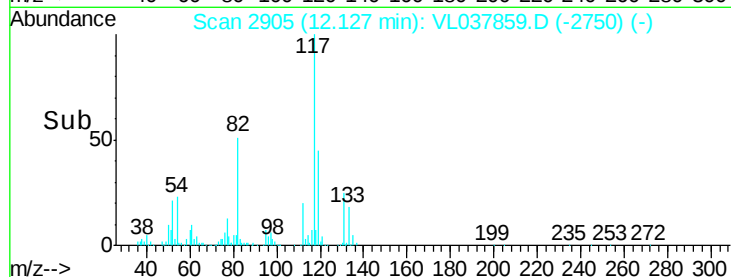
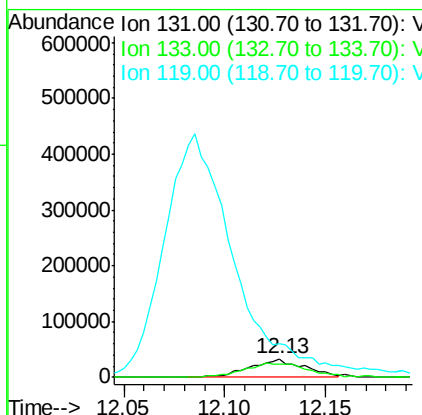
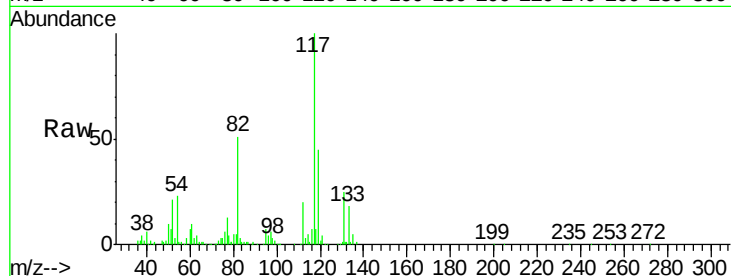
Tgt Ion: 117 Resp: 3126207
 Ion Ratio Lower Upper
 117 100
 82 65.3 52.2 78.2
 119 35.7 26.0 39.0





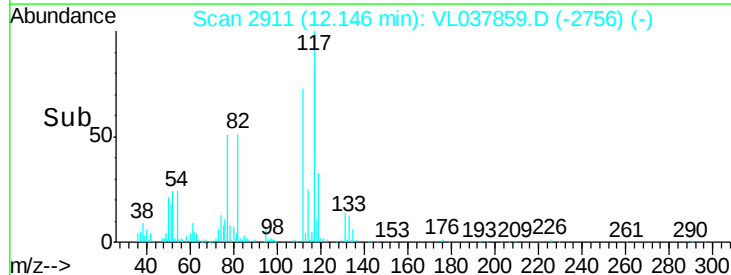
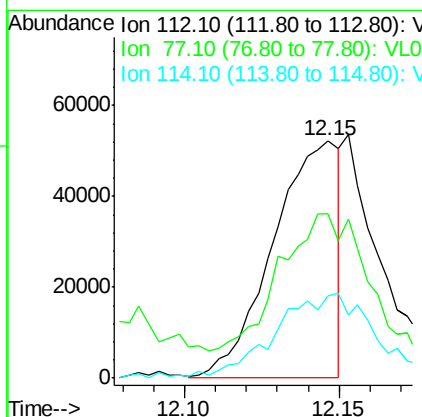
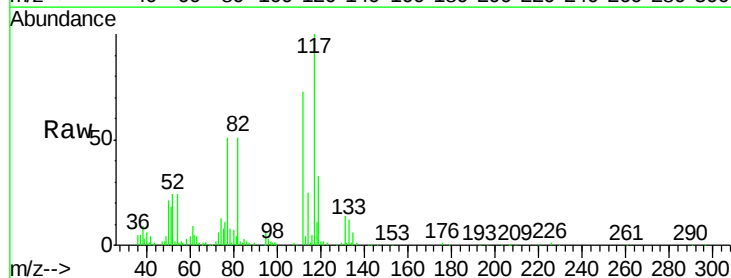
#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.480 ppbv
 RT: 12.13 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021
 Acq: 18 Oct 2021 19:24

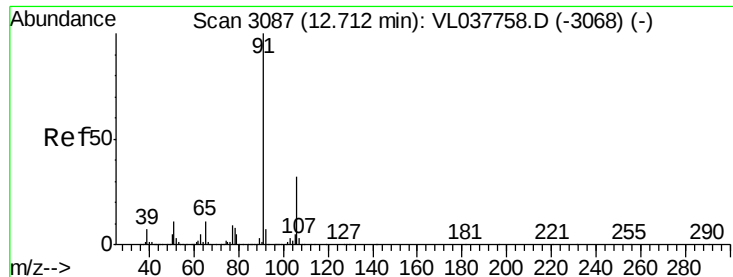
Tgt Ion:131 Resp: 62086
 Ion Ratio Lower Upper
 131 100
 133 94.9 78.5 117.7
 119 1795.8 51.7 77.5#



#57
 Chlorobenzene
 Concen: 0.301 ppbv
 RT: 12.15 min Scan# 2911
 Delta R.T. -0.00 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24

Tgt Ion:112 Resp: 77138
 Ion Ratio Lower Upper
 112 100
 77 56.6 51.8 77.8
 114 34.1 28.8 35.2





#58

Ethyl Benzene

Concen: 0.321 ppbv

RT: 12.71

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

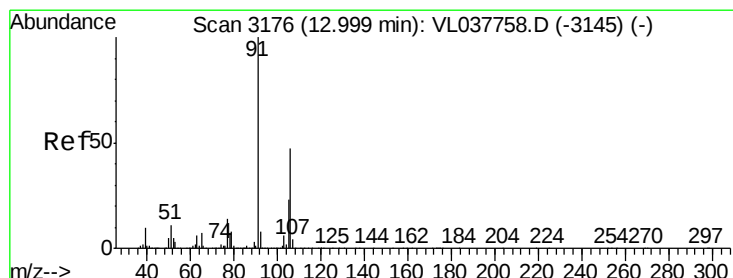
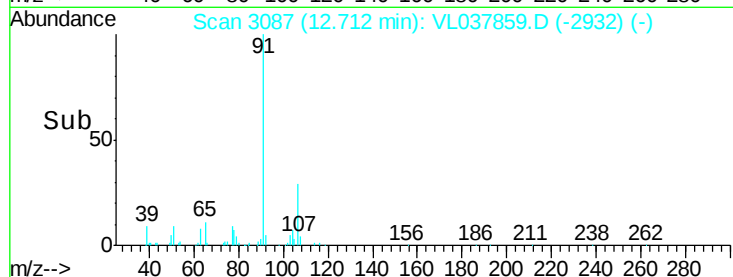
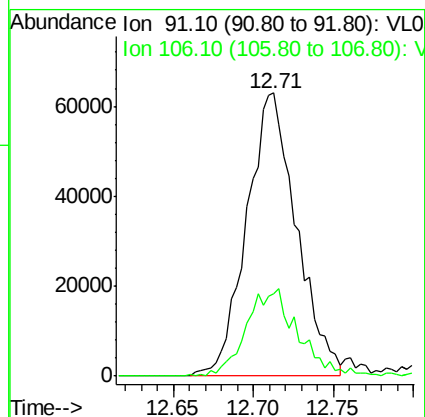
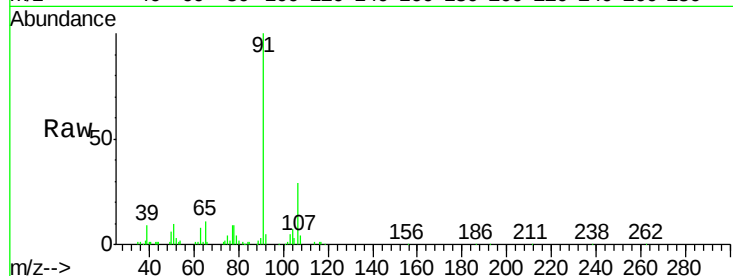
Acq: 18 Oct 2021 19:24

Tgt Ion: 91 Resp: 134698

Ion Ratio Lower Upper

91 100

106 28.4 25.3 37.9



#59

m/p-Xylene

Concen: 0.296 ppbv

RT: 13.00 min Scan# 3175

Delta R.T. -0.00 min

Lab File: VL037859.D

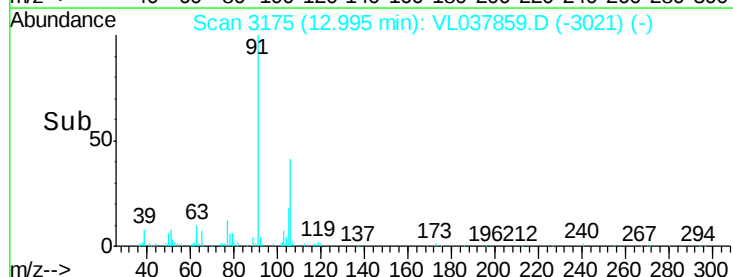
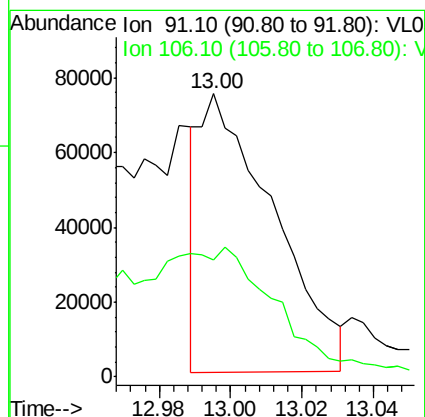
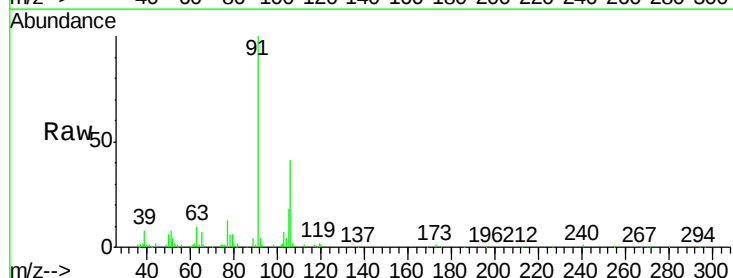
Acq: 18 Oct 2021 19:24

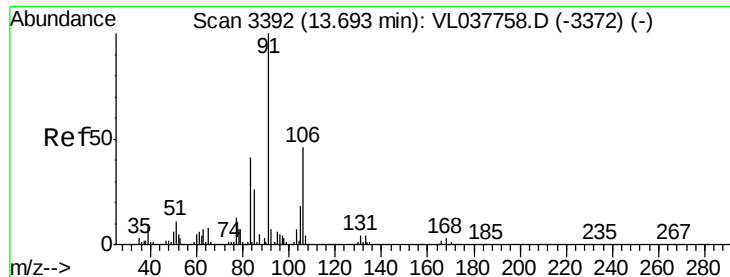
Tgt Ion: 91 Resp: 106831

Ion Ratio Lower Upper

91 100

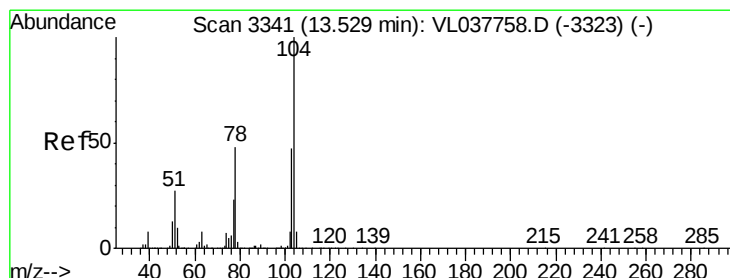
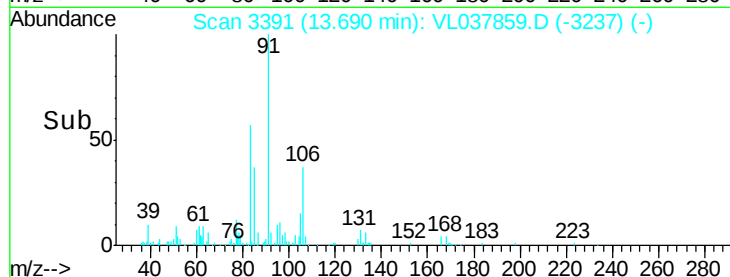
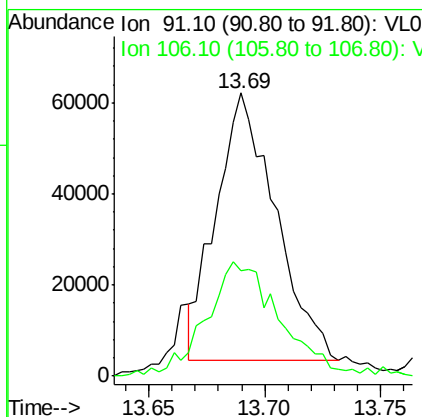
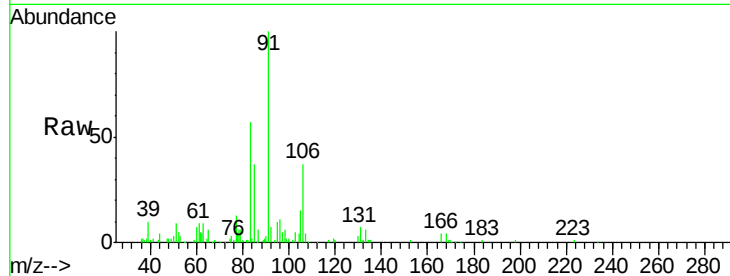
106 117.0 36.7 55.1#





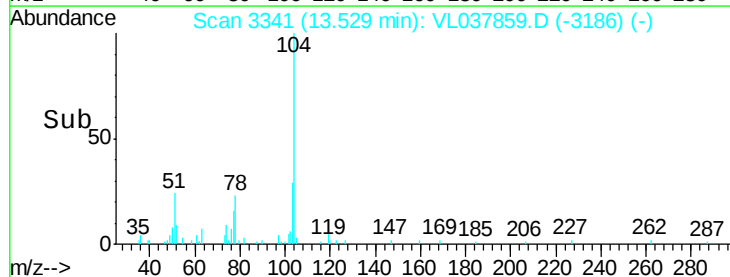
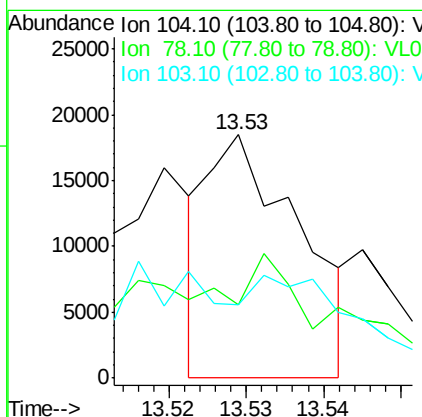
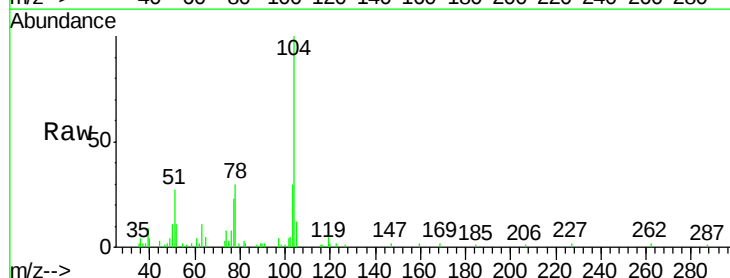
#60
o-Xylene
Concen: 0.300 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampled:
Acq: 18 Oct 2021 19:24
LOD-MDL-AIR-01-QT4-2021

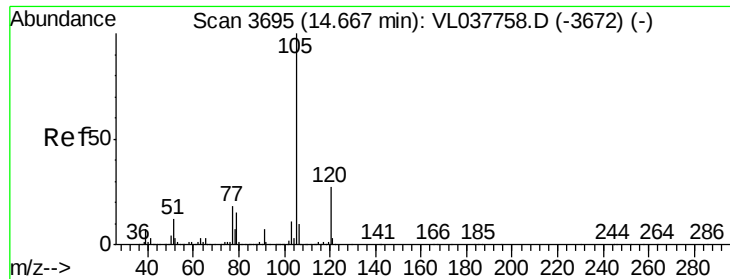
Tgt Ion: 91 Resp: 103610
Ion Ratio Lower Upper
91 100
106 54.9 23.5 70.5



#61
Styrene
Concen: 0.091 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL037859.D
Acq: 18 Oct 2021 19:24

Tgt Ion: 104 Resp: 15264
Ion Ratio Lower Upper
104 100
78 138.3 40.6 61.0#
103 0.0 39.6 59.4#





#62

Isopropylbenzene

Concen: 0.397 ppbv

RT: 14.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

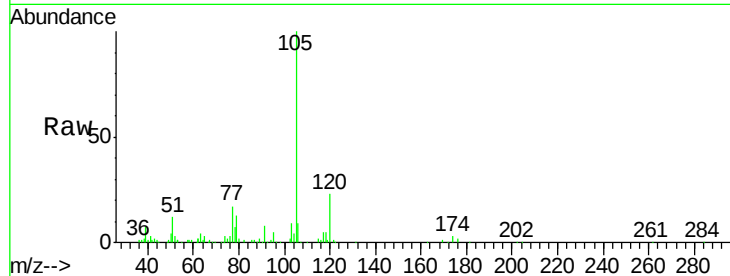
Acq: 18 Oct 2021 19:24

Tgt Ion: 105 Resp: 191089

Ion Ratio Lower Upper

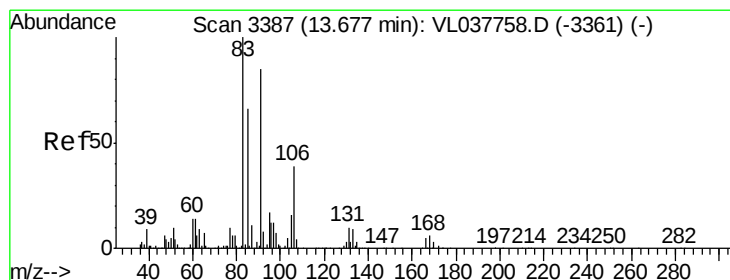
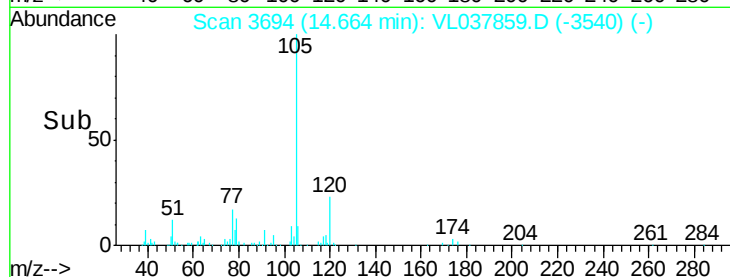
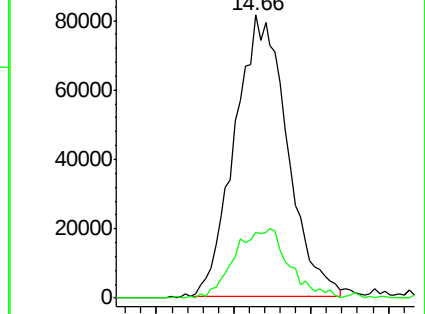
105 100

120 26.1 21.3 31.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.428 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

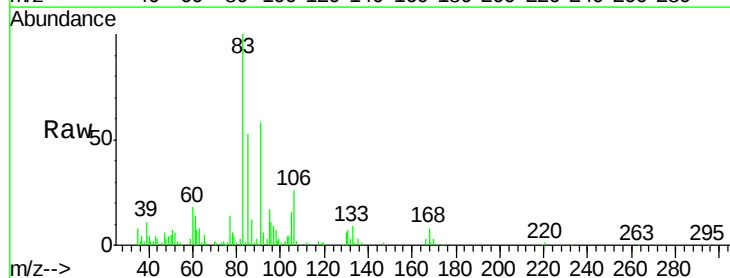
Tgt Ion: 83 Resp: 114117

Ion Ratio Lower Upper

83 100

131 11.8 5.0 15.0

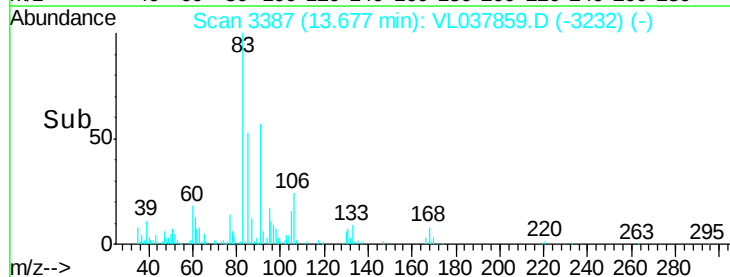
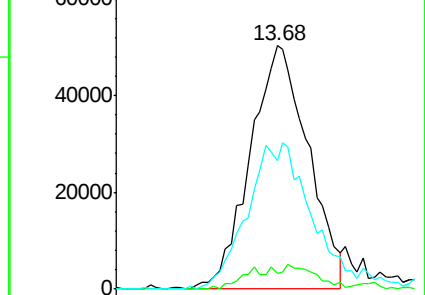
85 70.8 33.1 99.5

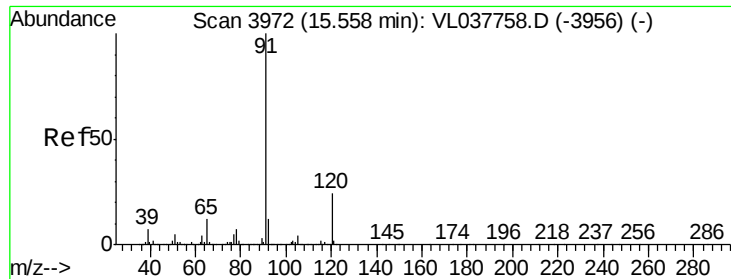


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

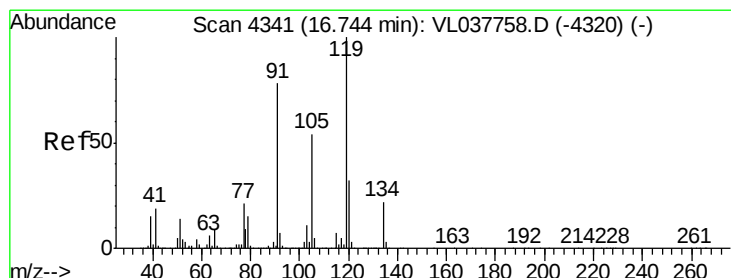
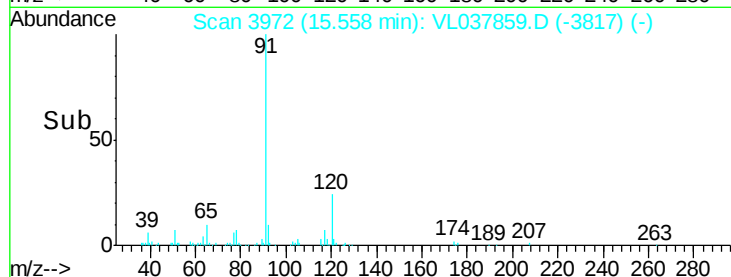
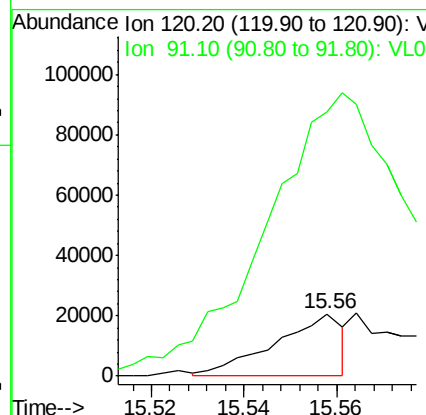
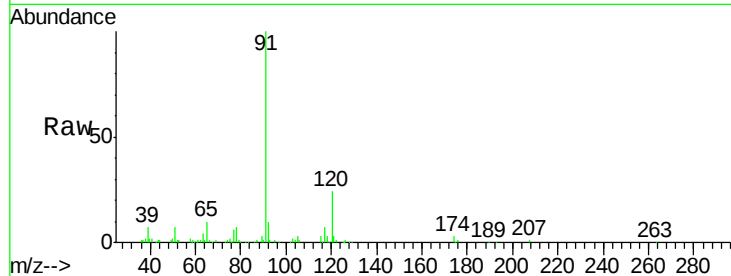
Ion 85.00 (84.70 to 85.70): VL0





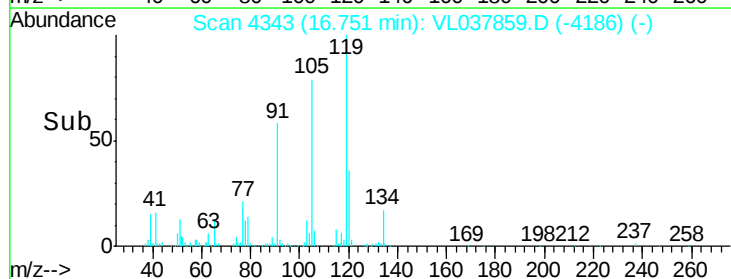
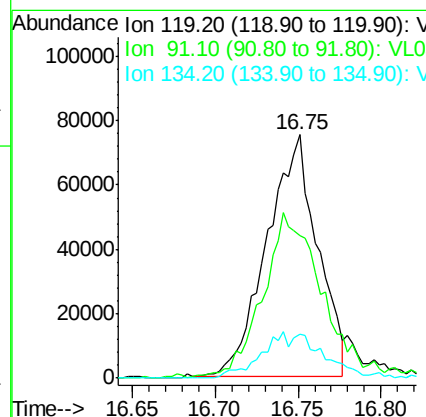
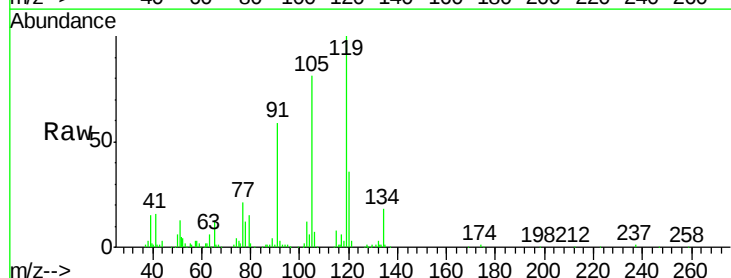
#64
n-propylbenzene
Concen: 0.174 ppbv
RT: 15.56 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 18 Oct 2021 19:24
LOD-MDL-AIR-01-QT4-2021

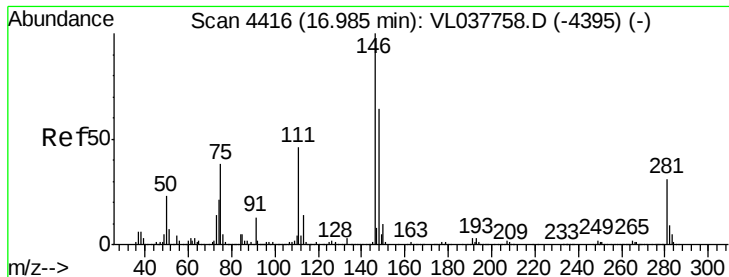
Tgt Ion:120 Resp: 20866
Ion Ratio Lower Upper
120 100
91 0.0 375.0 562.6#



#65
tert-Butylbenzene
Concen: 0.377 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. 0.01 min
Lab File: VL037859.D
Acq: 18 Oct 2021 19:24

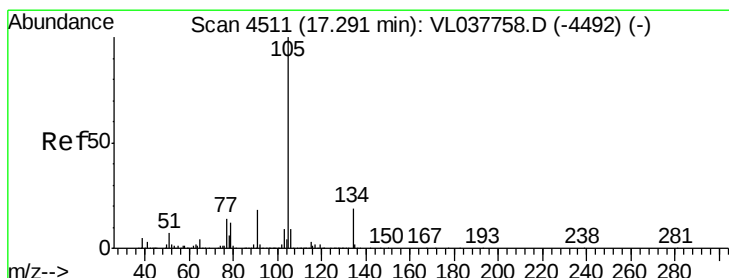
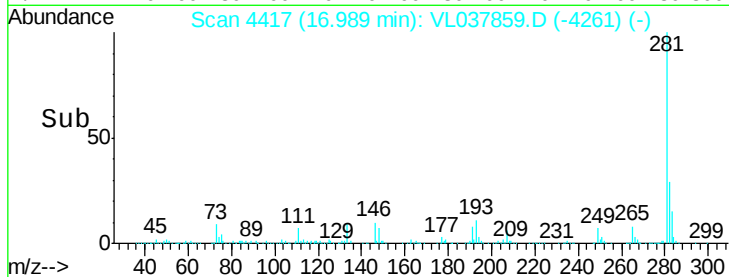
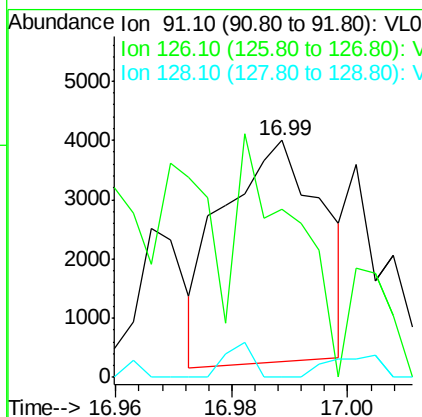
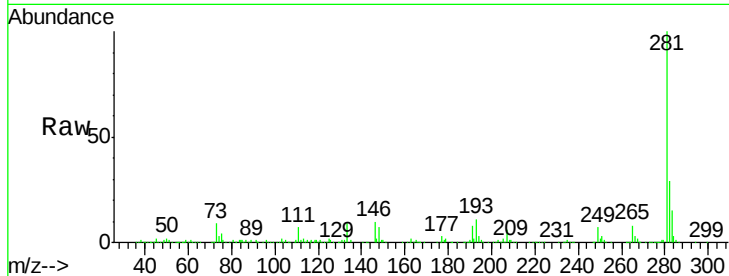
Tgt Ion:119 Resp: 159777
Ion Ratio Lower Upper
119 100
91 84.4 62.6 94.0
134 23.7 16.3 24.5





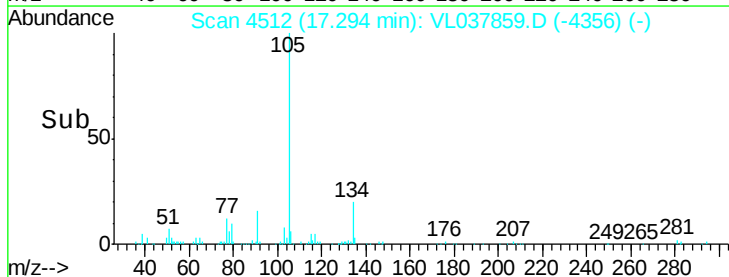
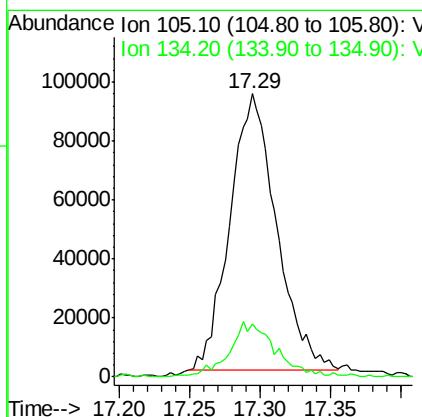
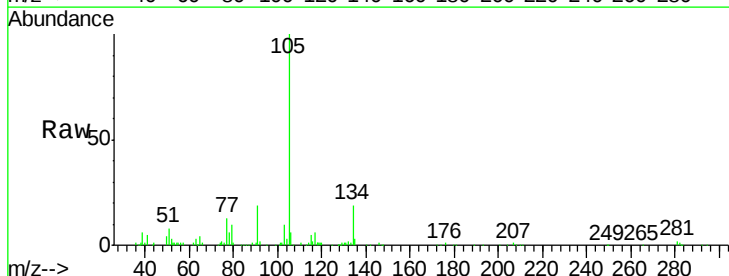
#66
Benzyl Chloride
Concen: 0.214 ppbv
RT: 16.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 18 Oct 2021 19:24
LOD-MDL-AIR-01-QT4-2021

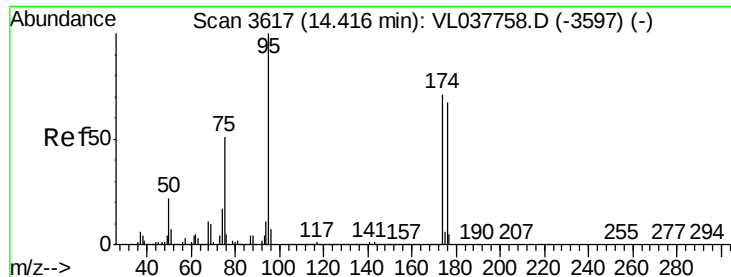
Tgt Ion: 91 Resp: 4468
Ion Ratio Lower Upper
91 100
126 199.8 0.0 0.0#
128 12.4 5.3 7.9#



#67
sec-Butylbenzene
Concen: 0.372 ppbv
RT: 17.29 min Scan# 4512
Delta R.T. 0.00 min
Lab File: VL037859.D
Acq: 18 Oct 2021 19:24

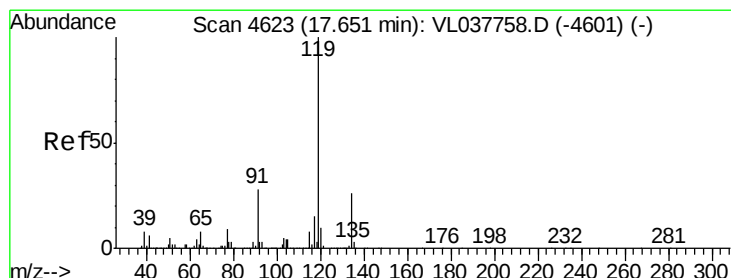
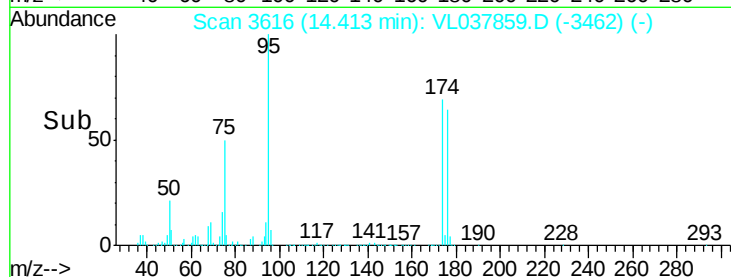
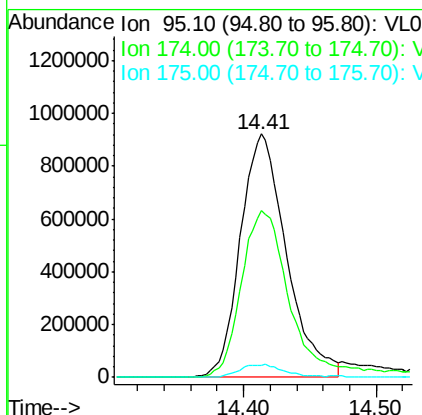
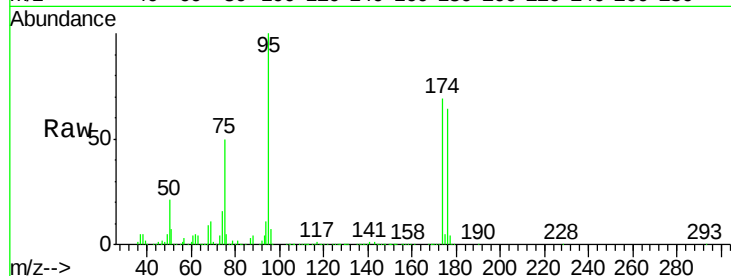
Tgt Ion: 105 Resp: 215432
Ion Ratio Lower Upper
105 100
134 20.3 15.4 23.0





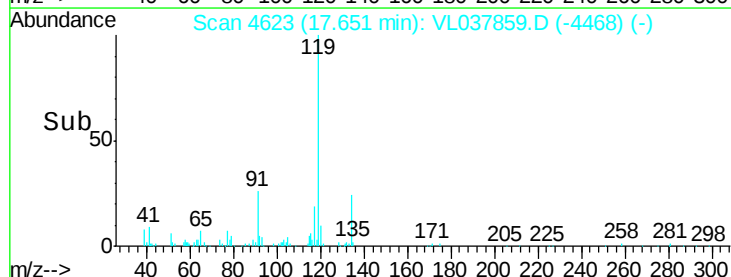
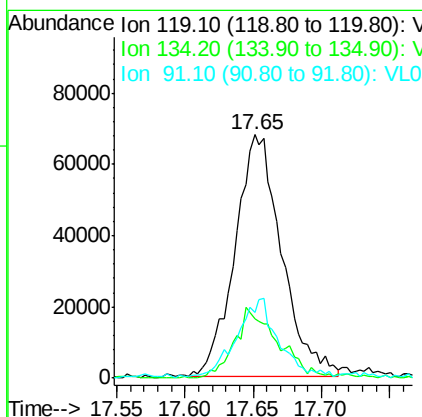
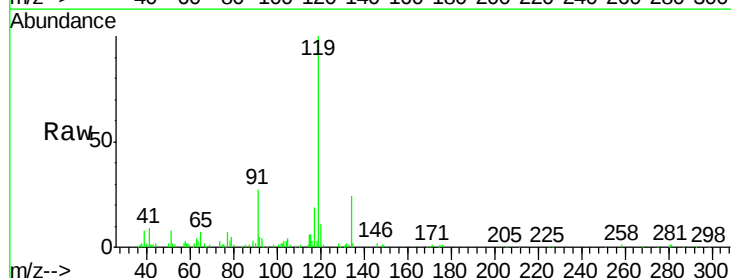
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.158 ppbv
 RT: 14.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Oct 2021 19:24

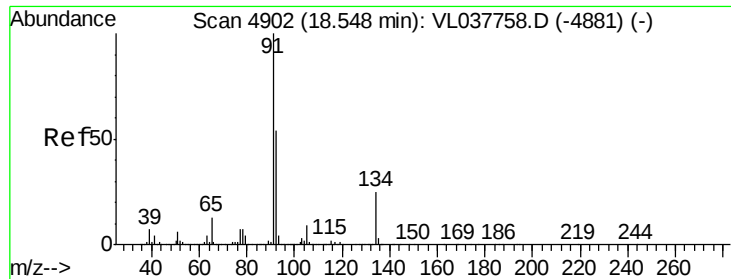
Tgt Ion: 95 Resp: 2220726
 Ion Ratio Lower Upper
 95 100
 174 76.5 57.8 86.6
 175 5.7 4.7 7.1



#69
 p-Isopropyltoluene
 Concen: 0.344 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. -0.00 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24

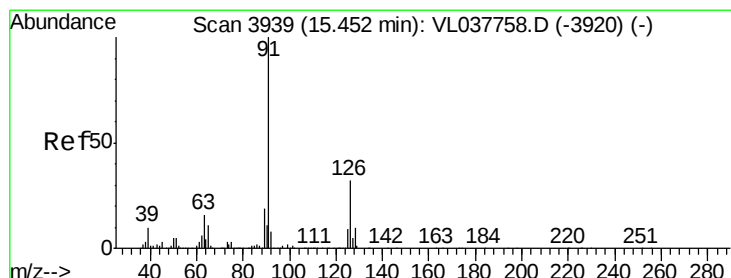
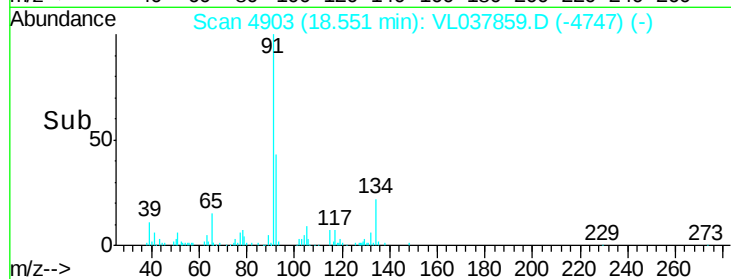
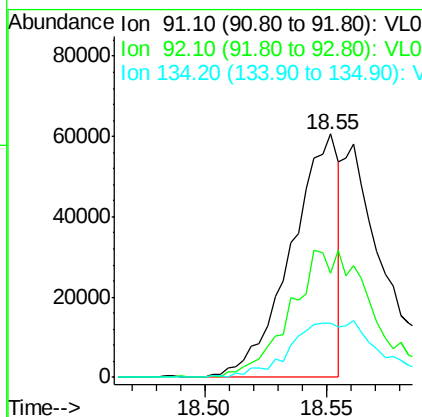
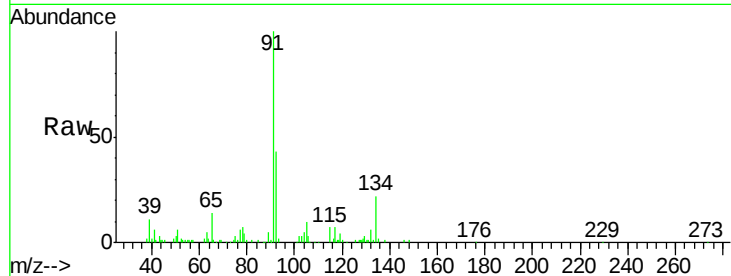
Tgt Ion: 119 Resp: 161418
 Ion Ratio Lower Upper
 119 100
 134 27.8 21.2 31.8
 91 30.8 22.2 33.4





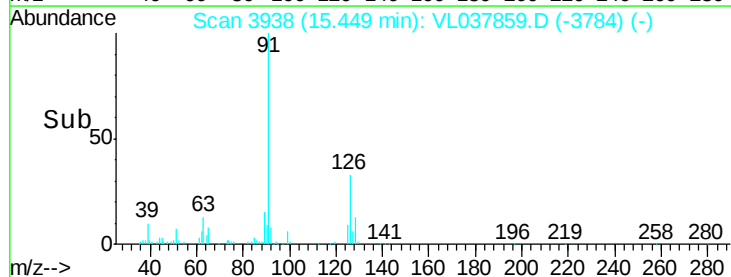
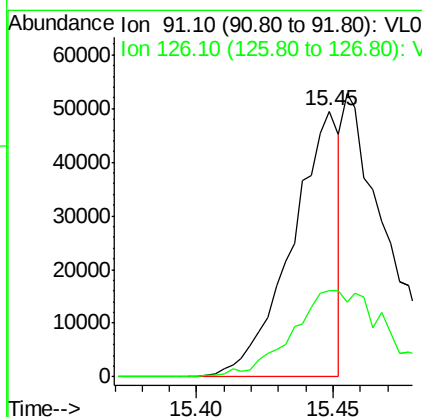
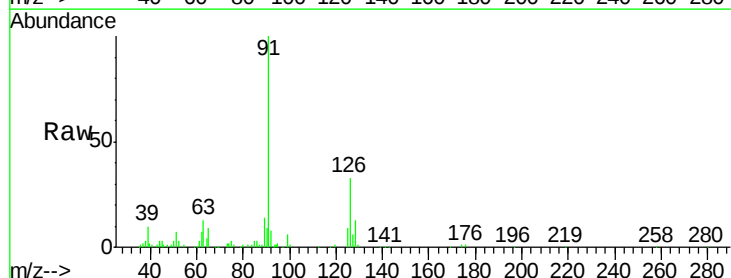
#70
n-Butylbenzene
Concen: 0.184 ppbv
RT: 18.55
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 18 Oct 2021 19:24
LOD-MDL-AIR-01-QT4-2021

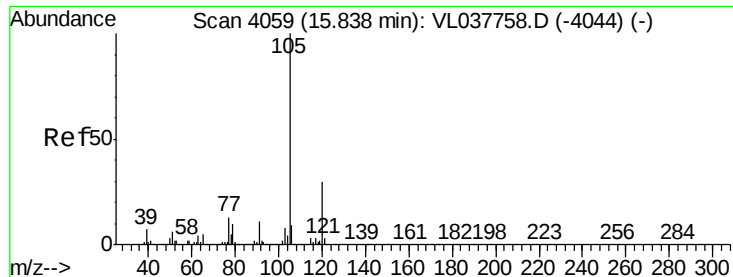
Tgt Ion: 91 Resp: 82101
Ion Ratio Lower Upper
91 100
92 93.7 43.4 65.0#
134 0.0 19.8 29.6#



#71
2-Chlorotoluene
Concen: 0.177 ppbv
RT: 15.45 min Scan# 3938
Delta R.T. -0.00 min
Lab File: VL037859.D
Acq: 18 Oct 2021 19:24

Tgt Ion: 91 Resp: 60107
Ion Ratio Lower Upper
91 100
126 64.1 13.6 54.6#





#72

4-Ethyltoluene

Concen: 0.312 ppbv

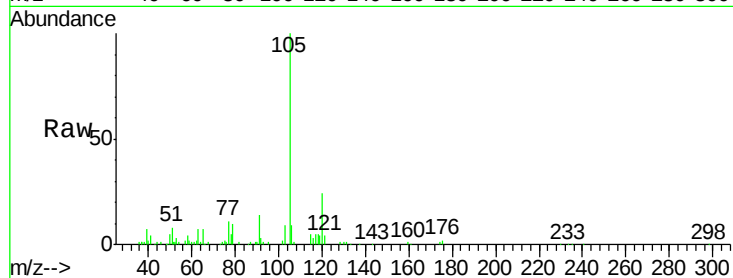
RT: 15.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24

Tgt Ion:	105	Resp:	122357
Ion Ratio	Lower	Upper	
105	100		
120	33.0	24.2	36.2
91	19.1	10.4	15.6
77	14.7	10.3	15.5

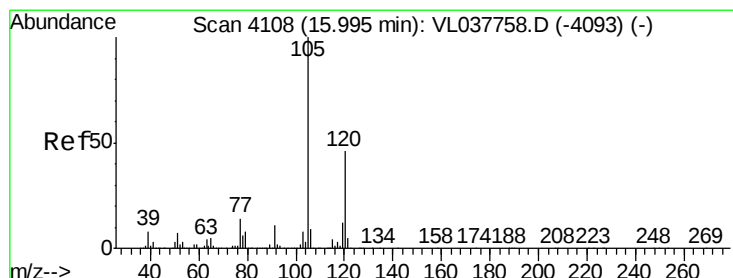
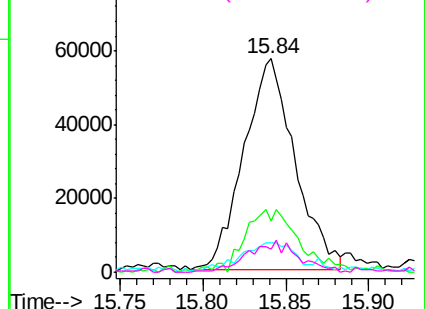
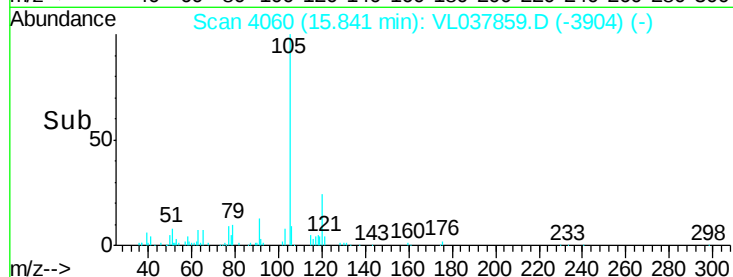


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.191 ppbv

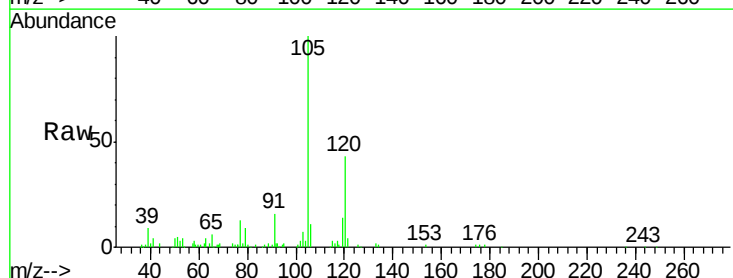
RT: 15.99 min Scan# 4107

Delta R.T. -0.00 min

Lab File: VL037859.D

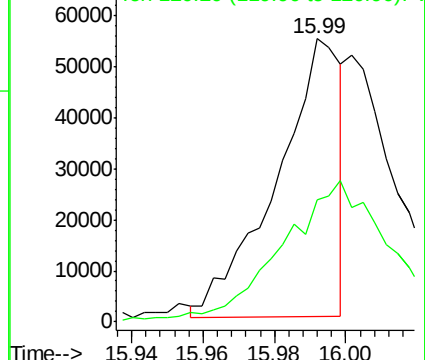
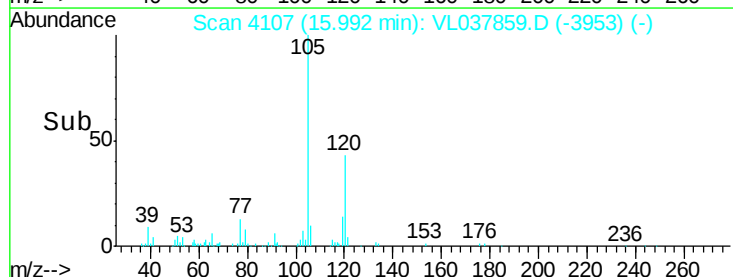
Acq: 18 Oct 2021 19:24

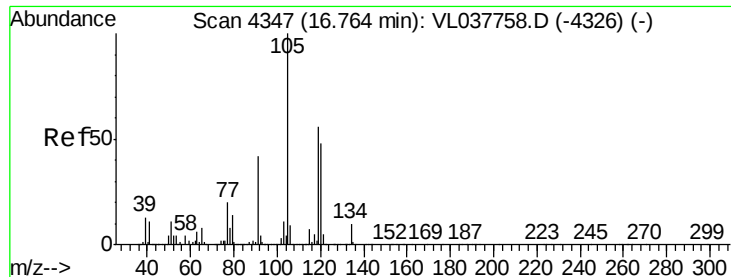
Tgt Ion:	105	Resp:	68065
Ion Ratio	Lower	Upper	
105	100		
120	41.7	36.6	54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.242 ppbv

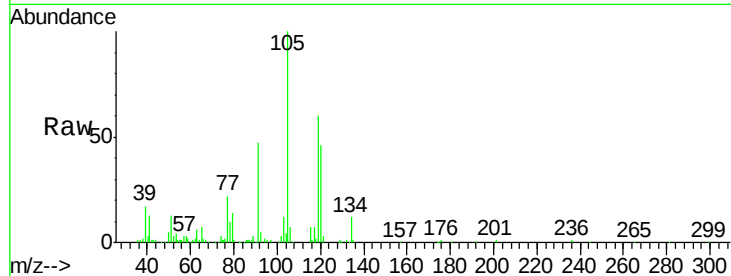
RT: 16.76

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24

Tgt Ion:	105	Resp:	90512
Ion Ratio	Lower	Upper	
105	100		
120	42.8	38.4	57.6
91	45.6	34.2	51.2
77	21.1	15.8	23.8

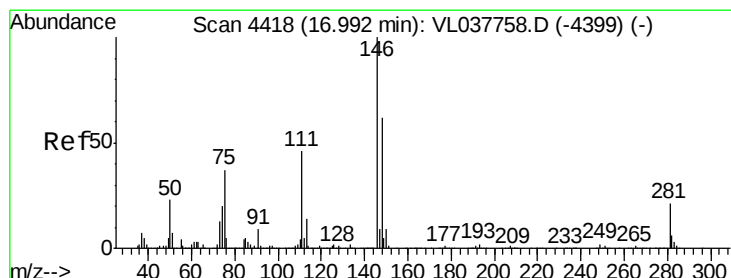
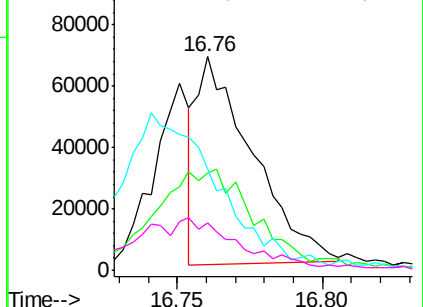
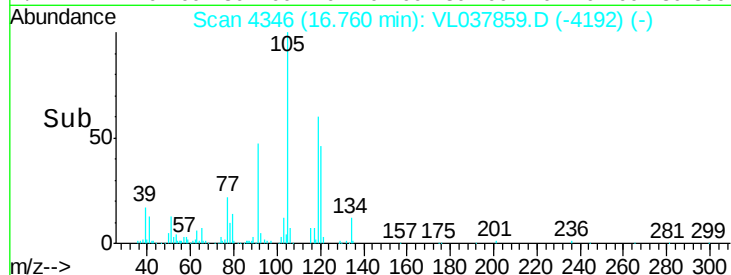


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.414 ppbv

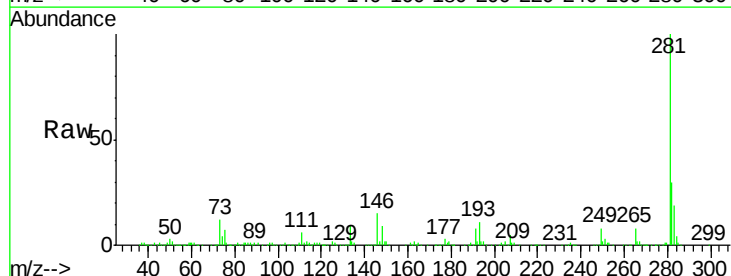
RT: 16.99 min Scan# 4418

Delta R.T. -0.00 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

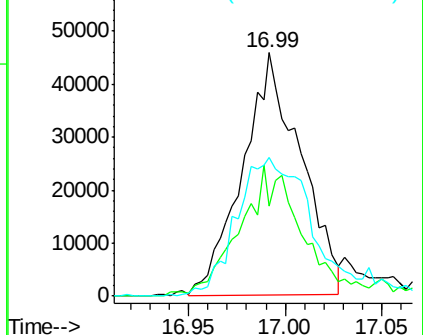
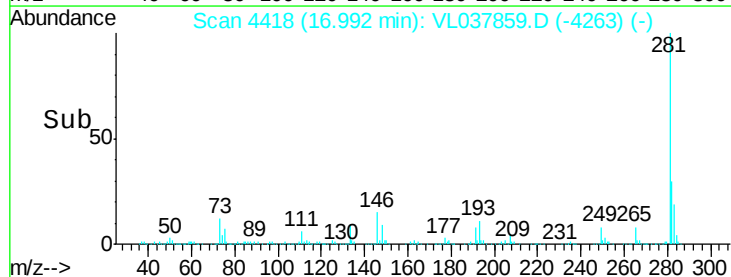
Tgt Ion:	146	Resp:	95874
Ion Ratio	Lower	Upper	
146	100		
111	61.0	22.8	68.4
148	77.8	32.8	98.3

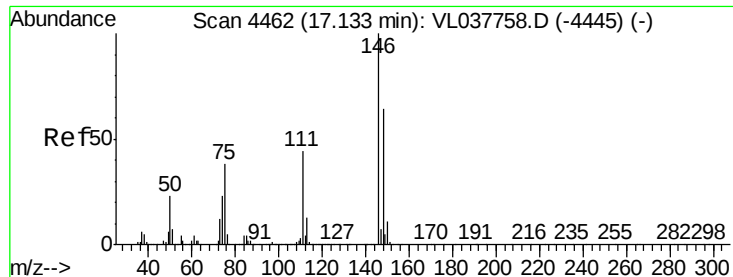


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

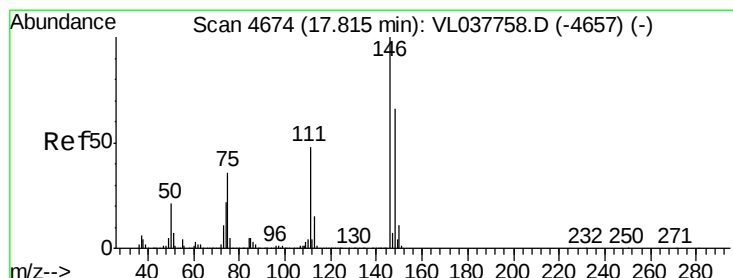
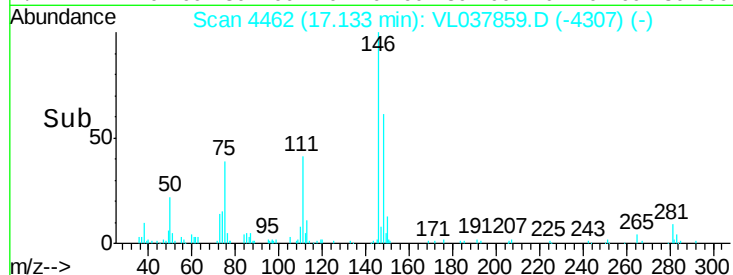
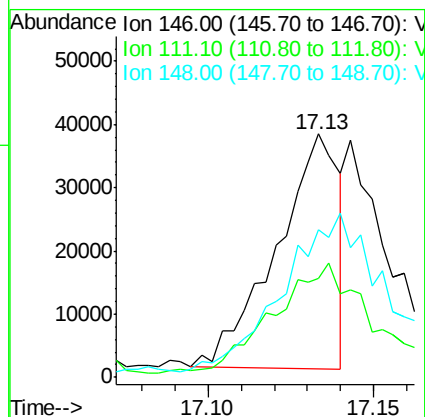
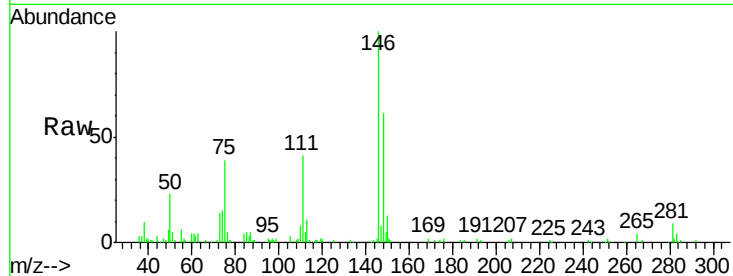
Ion 148.00 (147.70 to 148.70): V





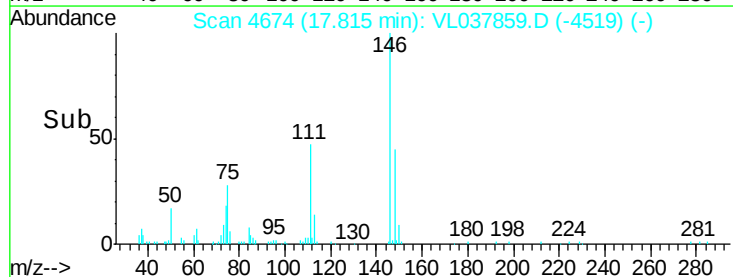
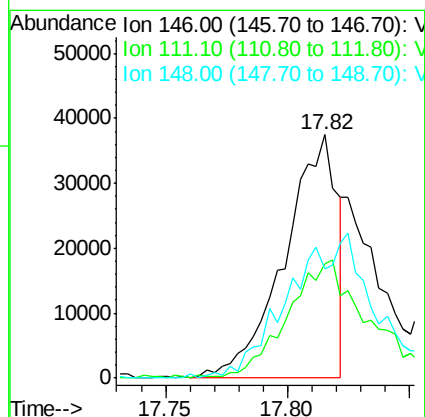
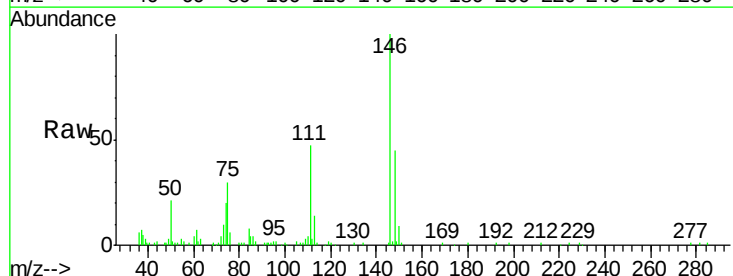
#76
 1,4-Dichlorobenzene
 Concen: 0.220 ppbv
 RT: 17.13 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 18 Oct 2021 19:24
 LOD-MDL-AIR-01-QT4-2021

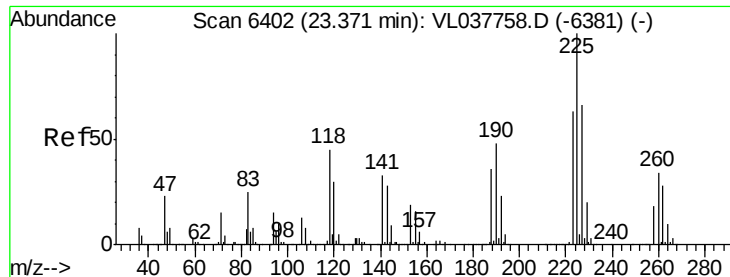
Tgt Ion:146 Resp: 48679
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.4 67.3#
 148 0.0 33.3 99.9#



#77
 1,2-Dichlorobenzene
 Concen: 0.251 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. -0.00 min
 Lab File: VL037859.D
 Acq: 18 Oct 2021 19:24

Tgt Ion:146 Resp: 55908
 Ion Ratio Lower Upper
 146 100
 111 81.2 23.6 70.8#
 148 0.0 32.9 98.6#





#78

Hexachloro-1,3-Butadiene

Concen: 0.313 ppbv

RT: 23.37

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 18 Oct 2021 19:24

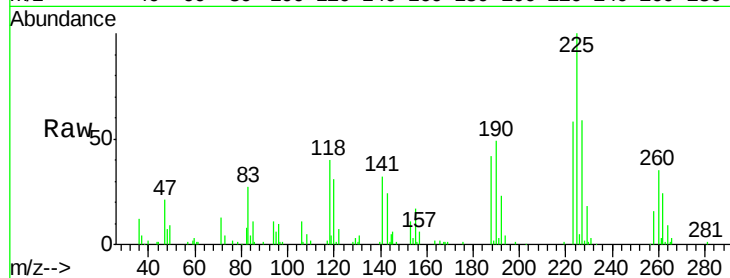
Tgt Ion: 225 Resp: 56949

Ion Ratio Lower Upper

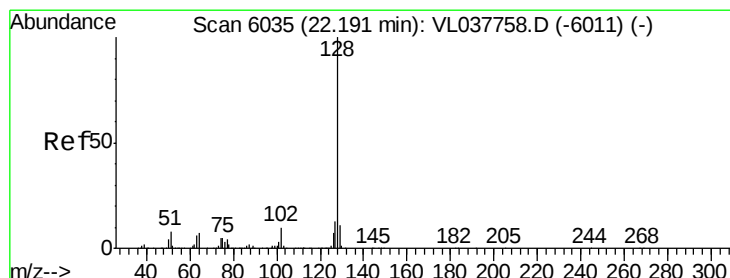
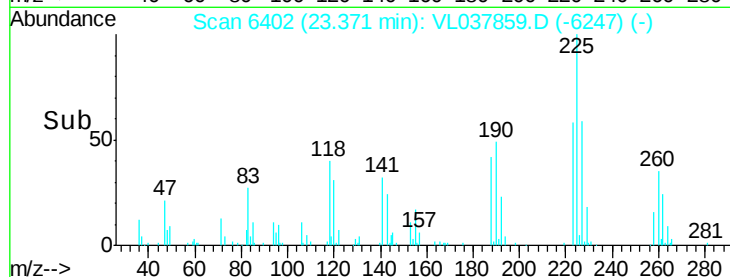
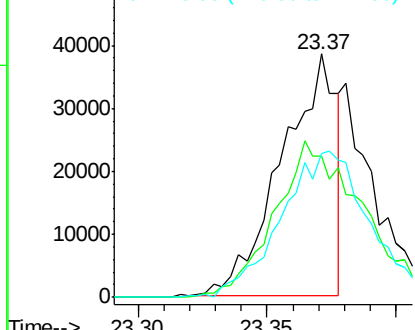
225 100

223 102.8 51.2 76.8#

227 101.6 51.1 76.7#



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: 0.097 ppbv

RT: 22.21 min Scan# 6040

Delta R.T. 0.02 min

Lab File: VL037859.D

Acq: 18 Oct 2021 19:24

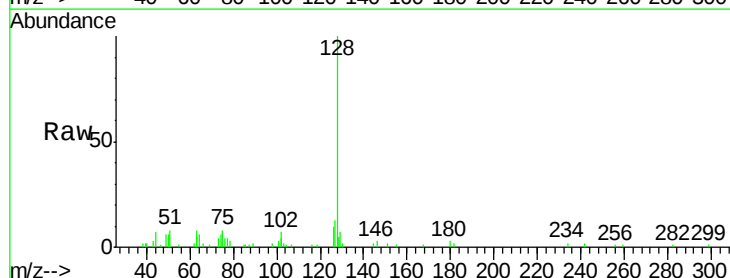
Tgt Ion: 128 Resp: 22297

Ion Ratio Lower Upper

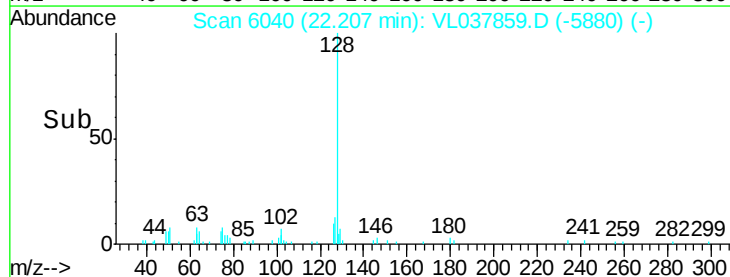
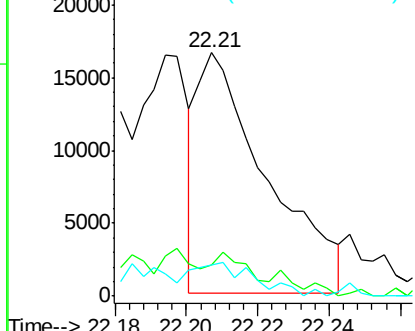
128 100

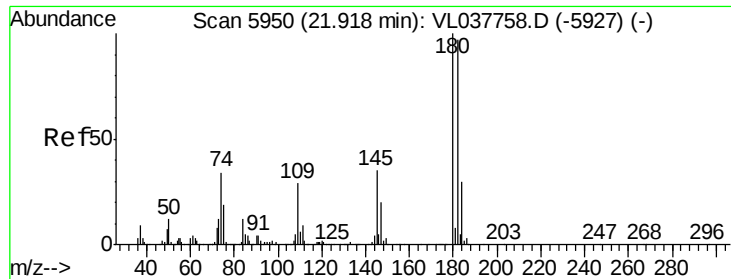
127 14.9 10.1 15.1

129 12.7 9.1 13.7



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





#81
 1,2,4-Trichlorobenzene
 Concen: 0.037 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021
 Acq: 18 Oct 2021 19:24

Tgt Ion:180 Resp: 5357
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.6 116.4#
 184 0.0 25.0 37.4#

