

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036964.D
 Acq On : 18 May 2021 12:01
 Operator : SY/AP
 Sample : M2262-13 0.45
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Quant Time: May 19 03:11:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1219160	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3652670	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3444027	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2531804	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	137134	0.663	ppbv 97
3) Chlorodifluoromethane	2.97	51	120143	0.538	ppbv 98
4) Chloromethane	3.12	50	39721	0.523	ppbv 97
5) Vinyl Chloride	3.24	62	40681	0.490	ppbv 94
6) Bromomethane	3.45	94	10606	0.242	ppbv 87
7) Chloroethane	3.54	64	12755	0.473	ppbv # 86
8) Dichlorotetrafluoroethane	3.17	85	100862	0.519	ppbv 95
9) Propene	2.99	41	45662	0.571	ppbv 100
10) Heptane	8.10	43	64754	0.325	ppbv # 64
11) Trichlorofluoromethane	3.93	101	96663	0.505	ppbv 93
12) 1,1,2-Trichlorotrifluoroet	4.46	101	70916	0.520	ppbv 98
13) Ethanol	3.60	45	885	0.083	ppbv # 35
14) Bromoethene	3.73	108	11124	0.185	ppbv # 1
15) Acetone	3.86	43	60666	0.486	ppbv # 64
16) 1,3-Butadiene	3.31	39	36207	0.467	ppbv 94
18) 1,1-Dichloroethene	4.27	96	29875	0.474	ppbv 91
20) Methylene Chloride	4.33	84	37087	0.554	ppbv 94
21) Allyl Chloride	4.39	41	44429	0.472	ppbv 92
22) trans-1,2-Dichloroethene	4.86	96	12305	0.204	ppbv # 94
23) Vinyl Acetate	5.03	43	14068	0.071	ppbv # 88
24) 1,1-Dichloroethane	4.99	63	62121	0.435	ppbv 96
25) Ethyl Acetate	5.67	43	139780	0.466	ppbv # 97
26) Hexane	5.66	57	73958	0.482	ppbv 92
27) Carbon Disulfide	4.53	76	54489	0.353	ppbv # 53
28) Methyl tert-Butyl Ether	5.03	73	42950	0.234	ppbv # 50
29) Chloroform	5.73	83	107457	0.496	ppbv 100
30) Cyclohexane	7.10	84	64437	0.495	ppbv 96
31) cis-1,2-Dichloroethene	5.52	61	30736	0.224	ppbv 93
32) 1,1,1-Trichloroethane	6.48	97	105867	0.455	ppbv 97
34) 2-Butanone	5.25	43	55362	0.416	ppbv # 66
35) Carbon Tetrachloride	6.99	117	45745	0.188	ppbv 94
36) Benzene	6.86	78	156709	0.498	ppbv 97
37) 1,2-Dichloroethane	6.29	62	69810	0.448	ppbv 98
38) Trichloroethene	7.81	130	59094	0.439	ppbv 89
39) 1,2-Dichloropropane	7.58	63	25038	0.207	ppbv 93
41) Tetrahydrofuran	6.05	42	12539	0.166	ppbv # 36
42) Bromodichloromethane	7.76	83	48418	0.205	ppbv 98
43) Methyl Methacrylate	8.00	69	18976	0.175	ppbv # 1
44) 2,2,4-Trimethylpentane	7.84	57	268819	0.498	ppbv 99
45) t-1,3-Dichloropropene	9.25	75	13997	0.169	ppbv 91
46) cis-1,3-Dichloropropene	8.68	75	35451	0.318	ppbv 97

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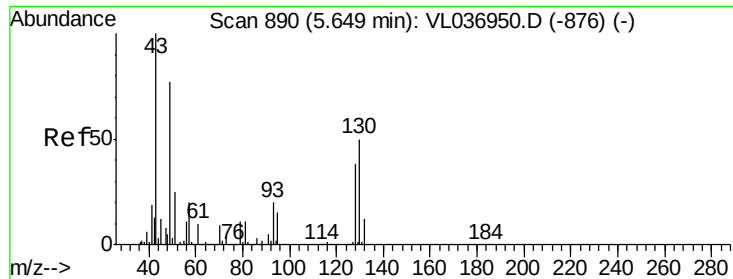
Instrument :
 MSVOA_L
 ClientSampleId :
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Quant Time: May 19 03:11:53 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

47) 1,1,2-Trichloroethane	9.45	97	58623	0.462	ppbv	97
48) Dibromochloromethane	10.28	129	76066	0.370	ppbv	89
49) Bromoform	13.01	173	29011	0.171	ppbv #	26
50) 4-Methyl-2-Pentanone	8.74	43	85872	0.391	ppbv	97
51) 2-Hexanone	10.14	43	17214	0.148	ppbv #	27
52) Tetrachloroethene	11.19	164	62111	0.496	ppbv	89
53) Toluene	9.78	91	176718	0.472	ppbv	98
54) 1,2-Dibromoethane	10.58	107	82198	0.456	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.10	131	59834	0.413	ppbv #	24
57) Chlorobenzene	12.11	112	70009	0.262	ppbv	89
58) Ethyl Benzene	12.68	91	239516	0.493	ppbv	89
59) m/p-Xylene	12.97	91	135196	0.336	ppbv #	30
60) o-Xylene	13.66	91	196015	0.512	ppbv	99
61) Styrene	13.50	104	48269	0.224	ppbv #	29
62) Isopropylbenzene	14.64	105	275057	0.499	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	121533	0.425	ppbv	95
64) n-propylbenzene	15.54	120	30014	0.211	ppbv #	1
65) tert-Butylbenzene	16.72	119	256146	0.515	ppbv	99
66) Benzyl Chloride	16.80	91	1933	0.070	ppbv #	63
67) sec-Butylbenzene	17.27	105	334002	0.493	ppbv	99
69) p-Isopropyltoluene	17.63	119	263030	0.451	ppbv	95
70) n-Butylbenzene	18.53	91	254814	0.460	ppbv	99
71) 2-Chlorotoluene	15.42	91	187541	0.471	ppbv	97
72) 4-Ethyltoluene	15.81	105	205923	0.453	ppbv	96
73) 1,3,5-Trimethylbenzene	15.97	105	188436	0.441	ppbv	90
74) 1,2,4-Trimethylbenzene	16.73	105	214545	0.486	ppbv	90
75) 1,3-Dichlorobenzene	16.97	146	122602	0.455	ppbv	92
76) 1,4-Dichlorobenzene	17.11	146	118230	0.434	ppbv	88
77) 1,2-Dichlorobenzene	17.79	146	109378	0.405	ppbv	84
78) Hexachloro-1,3-Butadiene	23.35	225	57310	0.264	ppbv #	18
79) Naphthalene	22.17	128	48427	0.140	ppbv	95
80) Naphthalene,2-methyl-	25.05	142	13654	0.181	ppbv #	52
81) 1,2,4-Trichlorobenzene	21.90	180	39710	0.188	ppbv #	11

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

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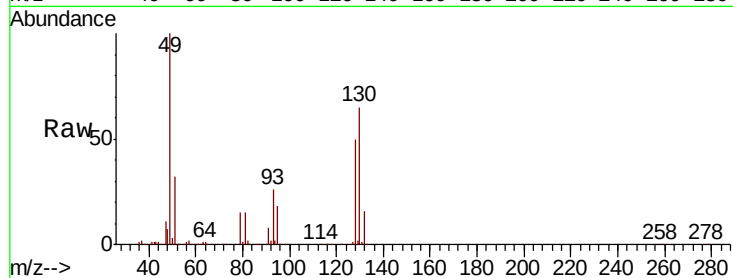
Tot Ion: 49 Resp: 1219160

Ion Ratio Lower Upper

49 100

128 56.4 26.9 80.7

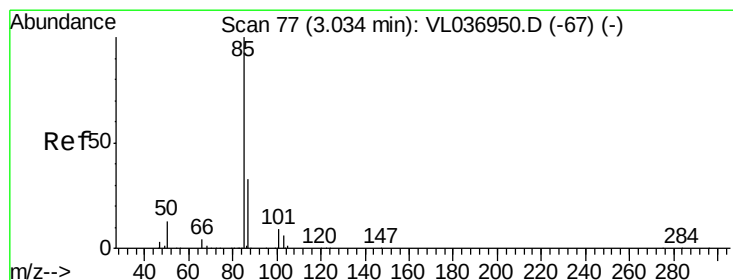
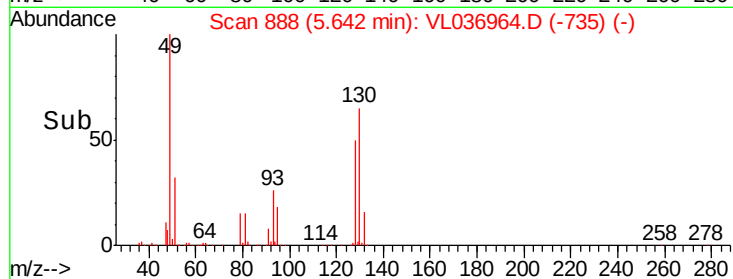
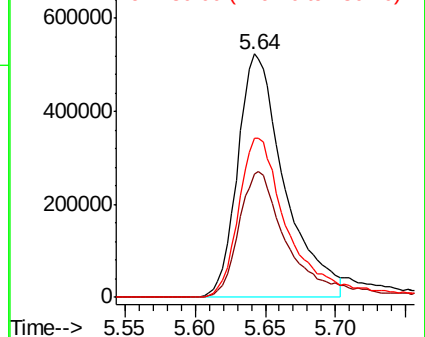
130 72.6 33.8 101.4



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: 0.663 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036964.D

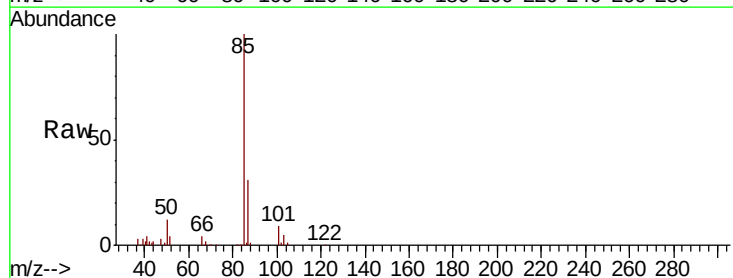
Acq: 18 May 2021 12:01

Tgt Ion: 85 Resp: 137134

Ion Ratio Lower Upper

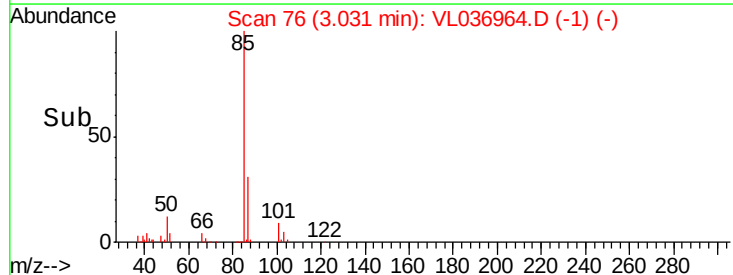
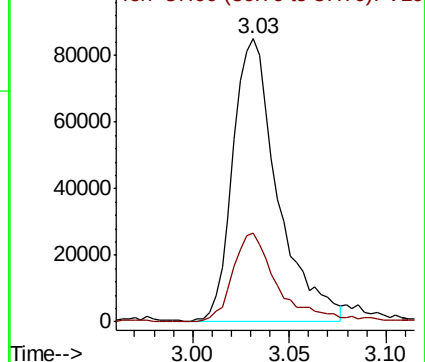
85 100

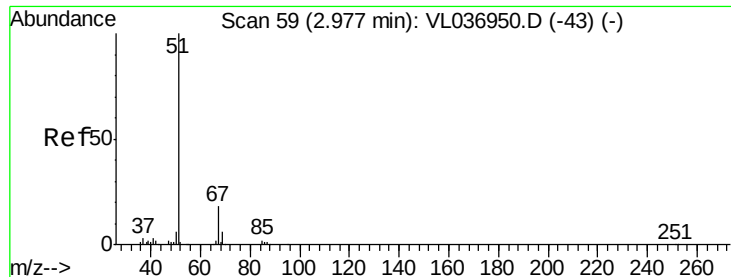
87 31.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.538 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

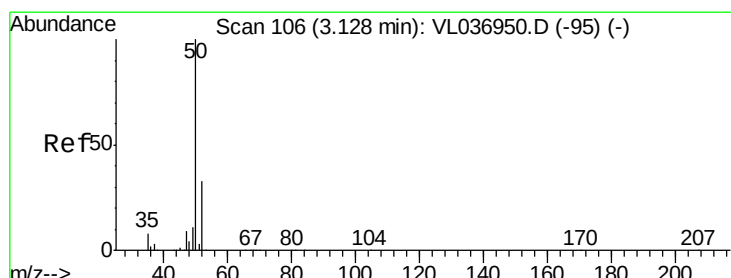
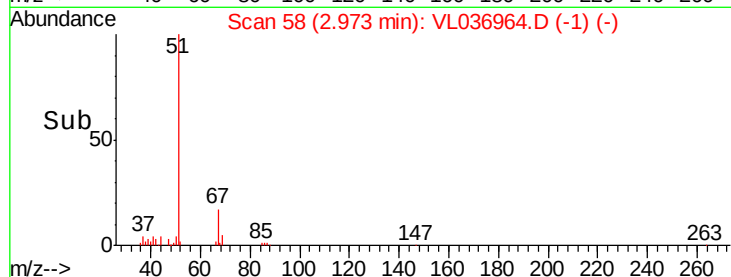
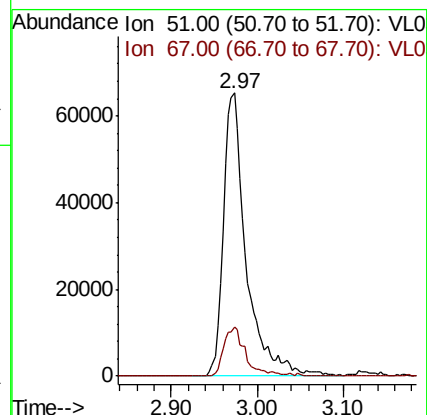
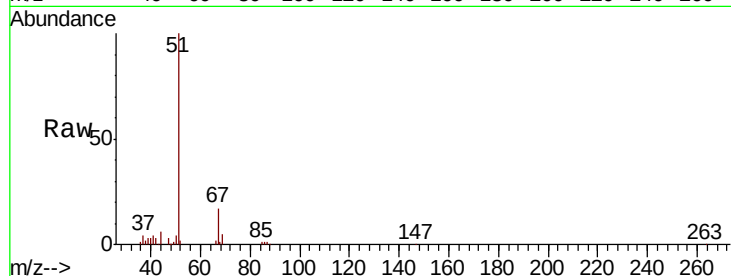
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 51 Resp: 120143

Ion Ratio Lower Upper

51 100

67 17.1 14.6 21.8



#4

Chloromethane

Concen: 0.523 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL036964.D

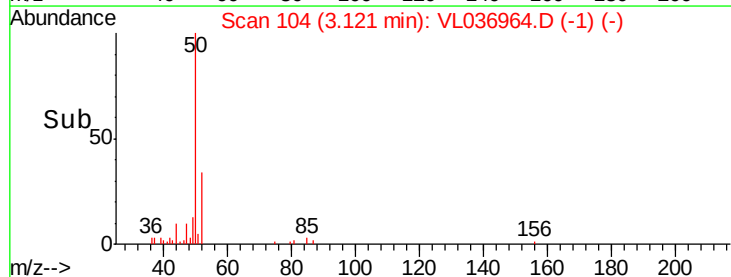
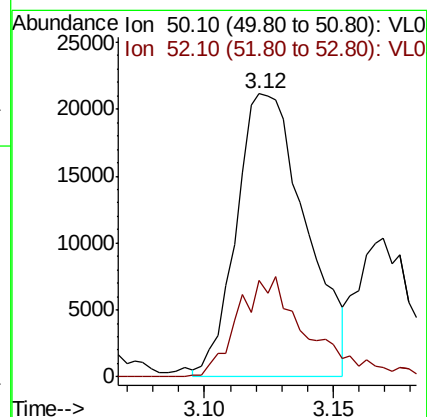
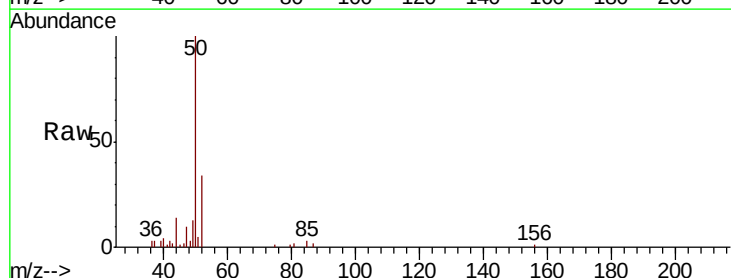
Acq: 18 May 2021 12:01

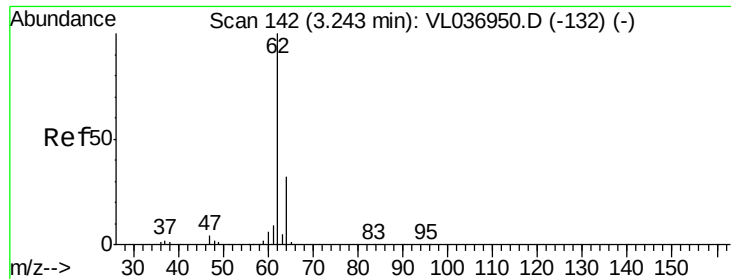
Tgt Ion: 50 Resp: 39721

Ion Ratio Lower Upper

50 100

52 34.2 26.1 39.1





#5

Vinyl Chloride

Concen: 0.490 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

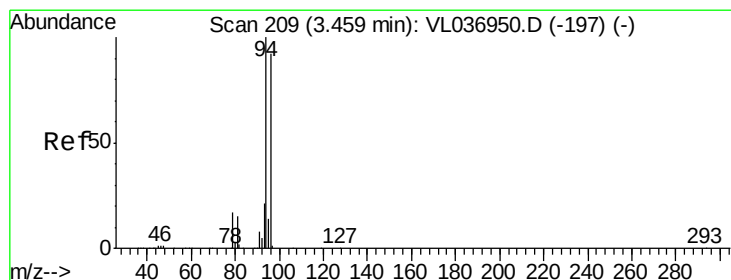
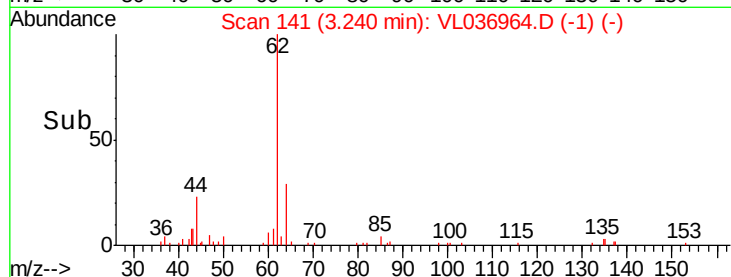
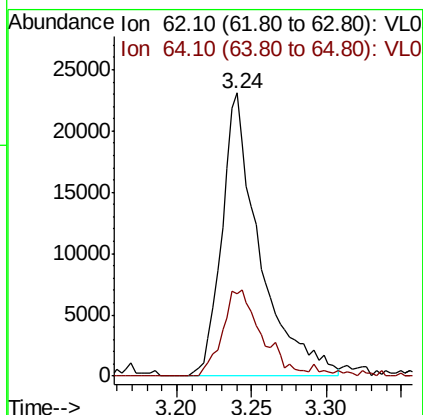
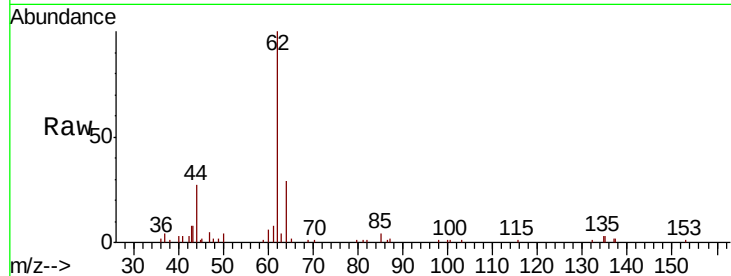
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 62 Resp: 40681

Ion Ratio Lower Upper

62 100

64 29.1 25.9 38.9



#6

Bromomethane

Concen: 0.242 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.01 min

Lab File: VL036964.D

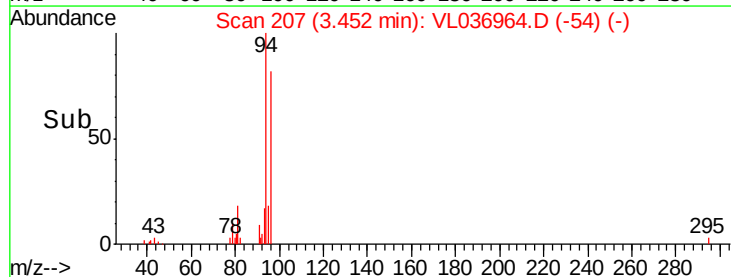
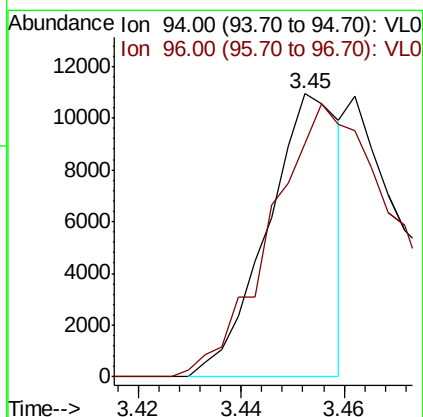
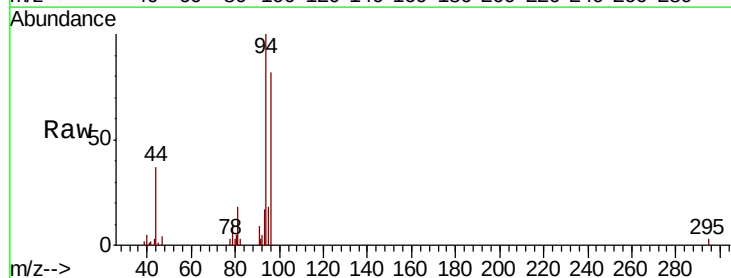
Acq: 18 May 2021 12:01

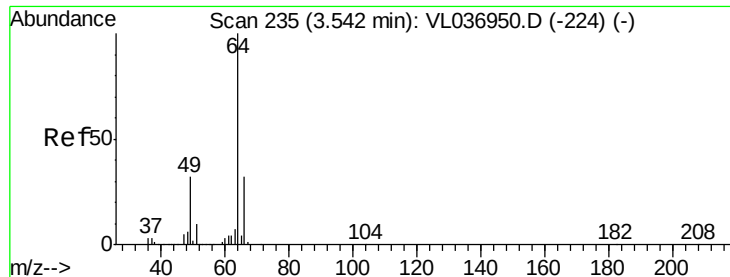
Tgt Ion: 94 Resp: 10606

Ion Ratio Lower Upper

94 100

96 80.0 74.0 111.0





#7

Chloroethane

Concen: 0.473 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

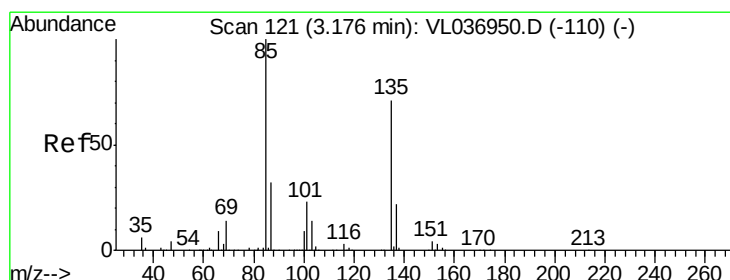
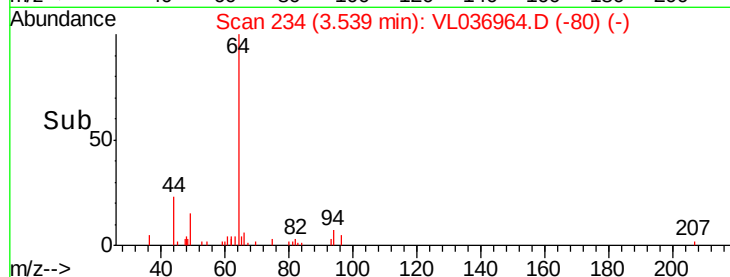
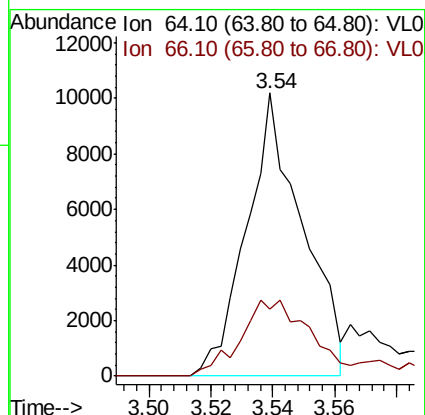
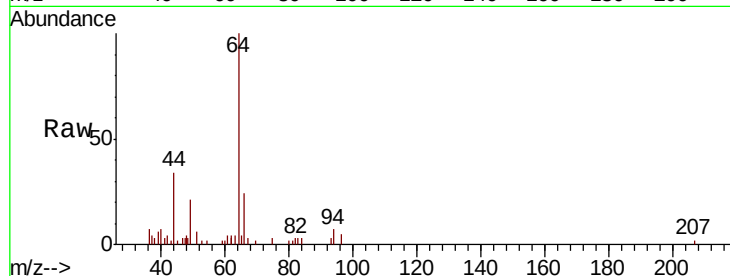
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 64 Resp: 12755

Ion Ratio Lower Upper

64 100

66 23.8 25.4 38.2#



#8

Dichlorotetrafluoroethane

Concen: 0.519 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036964.D

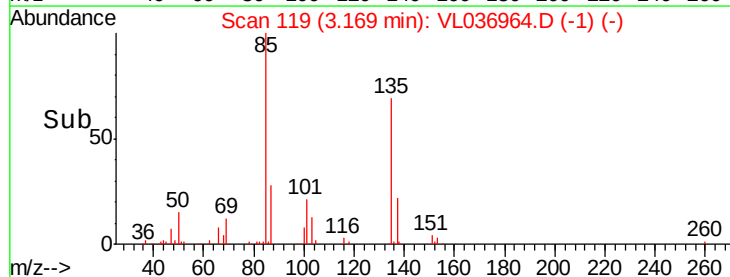
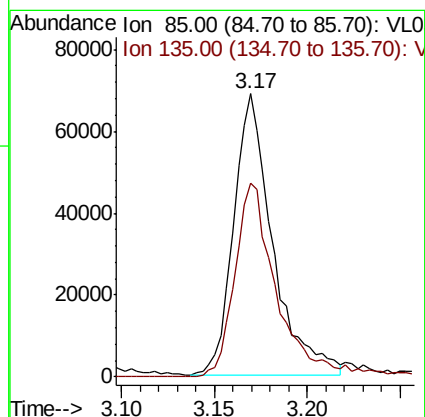
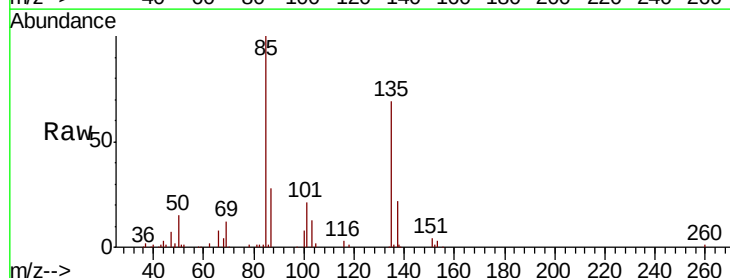
Acq: 18 May 2021 12:01

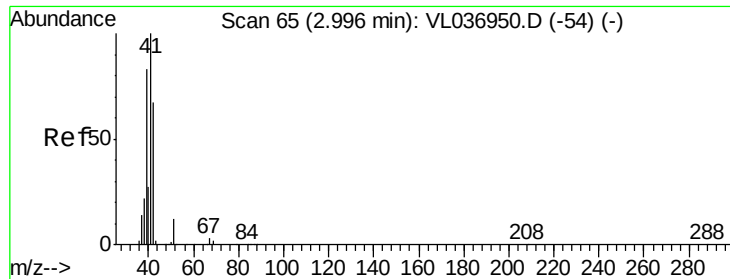
Tgt Ion: 85 Resp: 100862

Ion Ratio Lower Upper

85 100

135 75.9 57.7 86.5





#9

Propene

Concen: 0.571 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

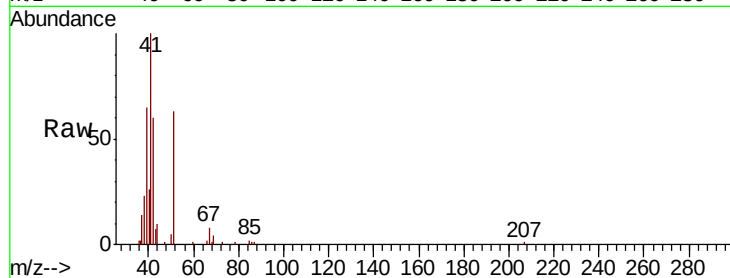
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 41 Resp: 45662

Ion Ratio Lower Upper

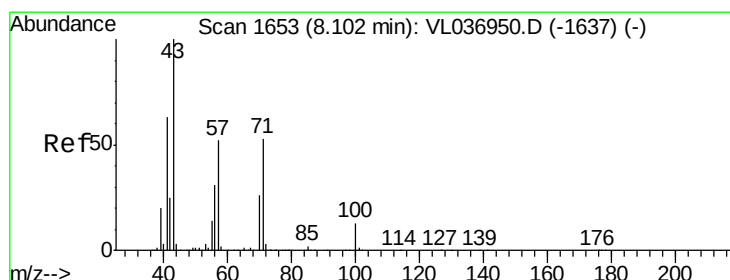
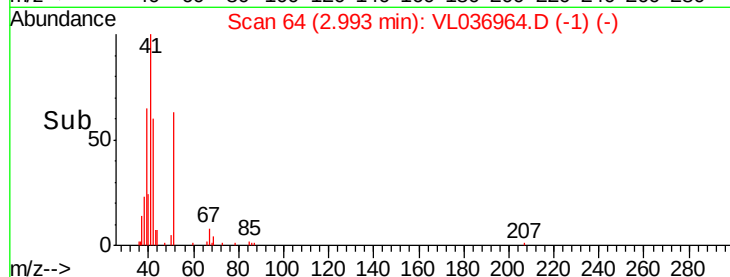
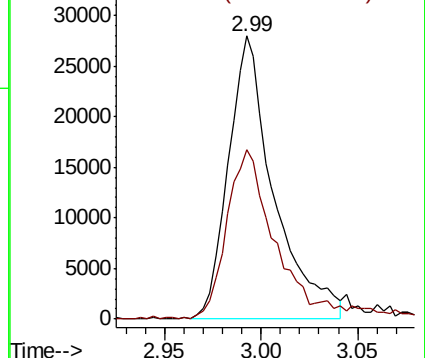
41 100

42 67.7 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.325 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL036964.D

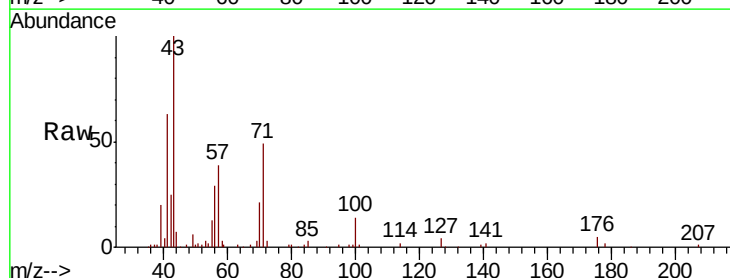
Acq: 18 May 2021 12:01

Tgt Ion: 43 Resp: 64754

Ion Ratio Lower Upper

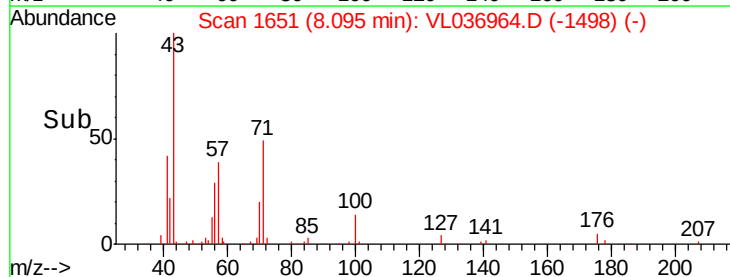
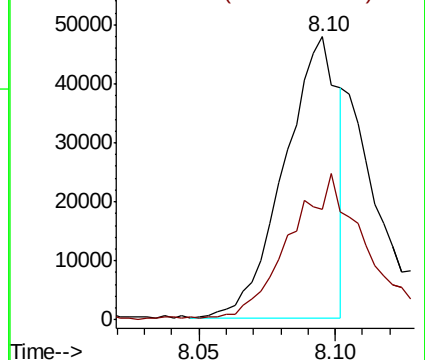
43 100

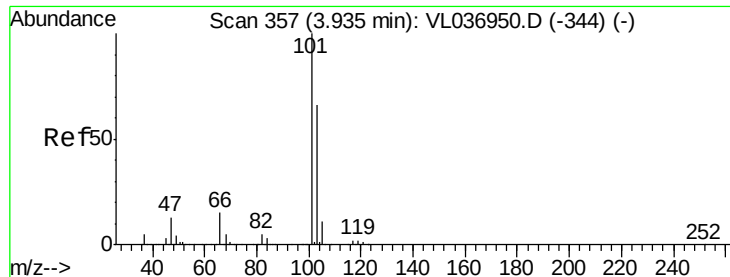
57 76.3 41.0 61.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.505 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

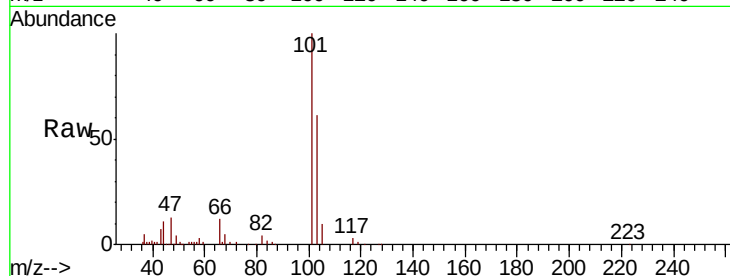
LOD-MDL-AIR-01-QT2-2021

Tot Ion:101 Resp: 96663

Ion Ratio Lower Upper

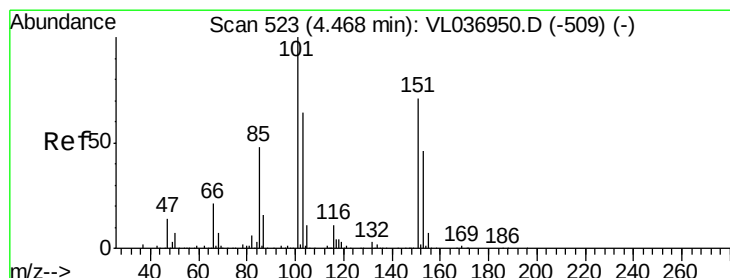
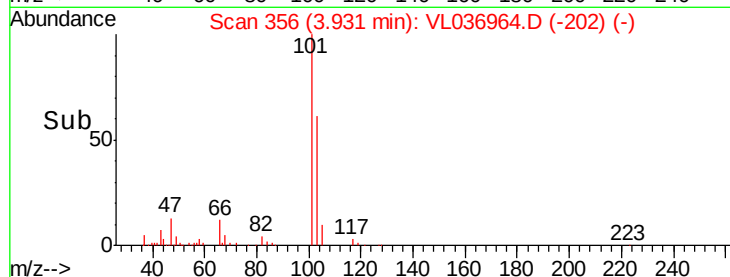
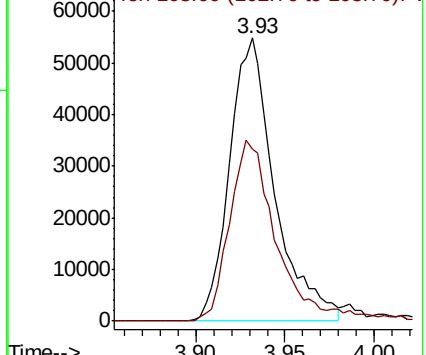
101 100

103 60.6 52.6 79.0



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: 0.520 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.01 min

Lab File: VL036964.D

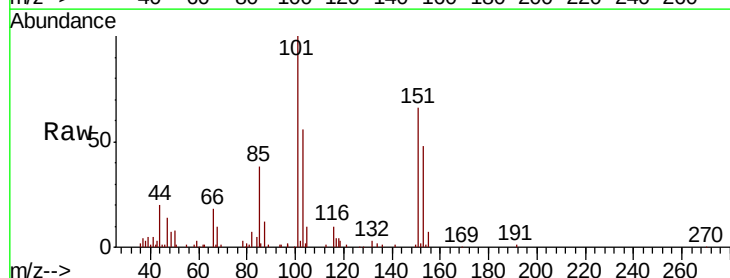
Acq: 18 May 2021 12:01

Tgt Ion:101 Resp: 70916

Ion Ratio Lower Upper

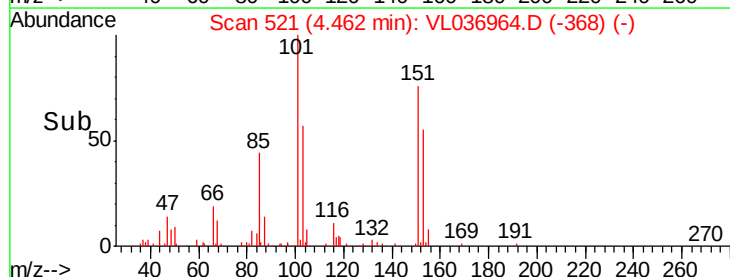
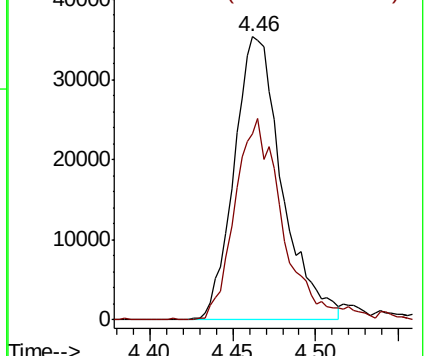
101 100

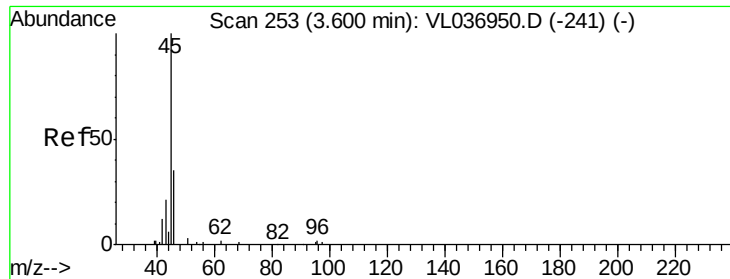
151 73.5 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

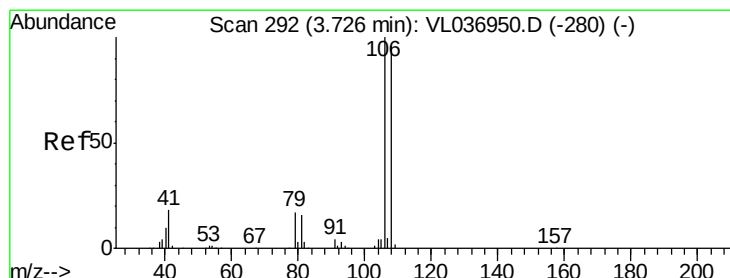
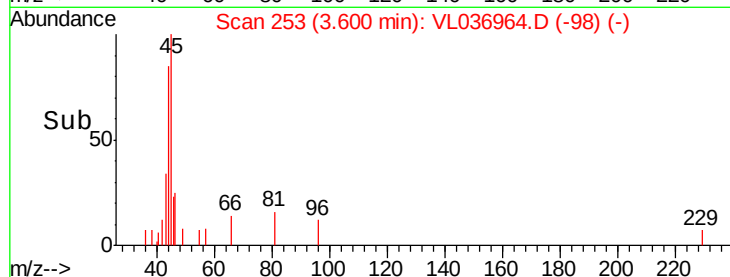
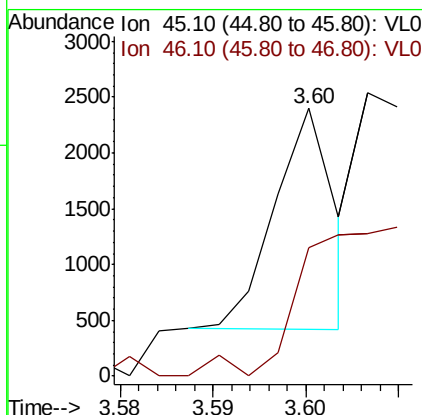
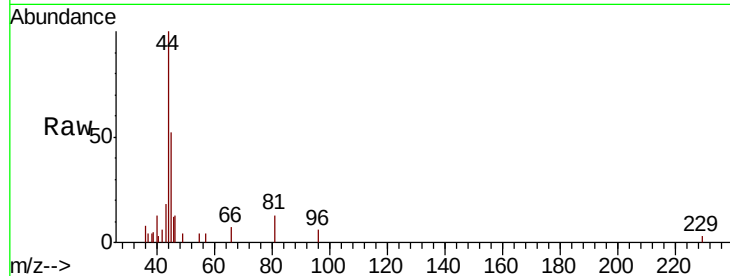




#13
Ethanol
Concen: 0.083 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

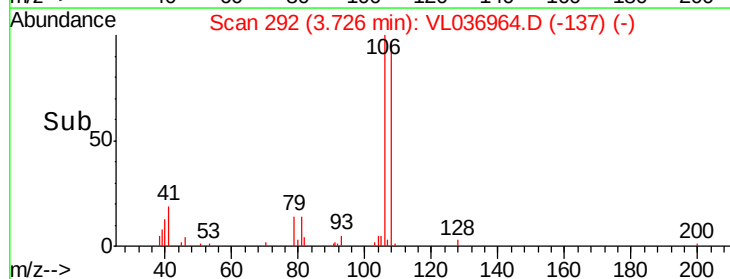
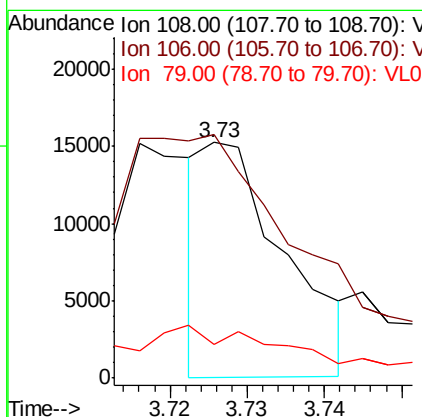
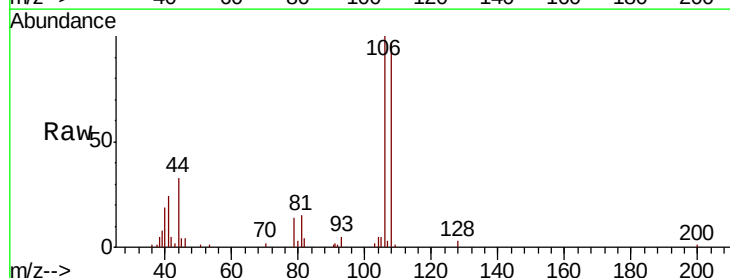
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

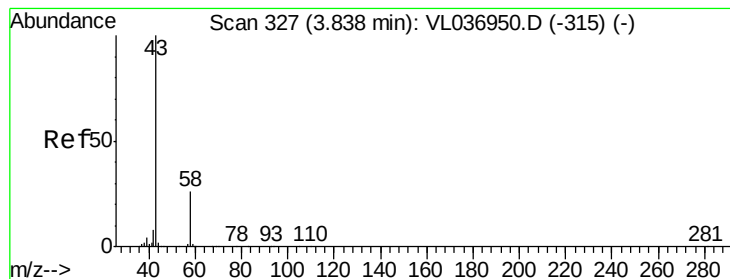
Tot Ion: 45 Resp: 885
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#



#14
Bromoethene
Concen: 0.185 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion: 108 Resp: 11124
Ion Ratio Lower Upper
108 100
106 297.6 86.5 129.7#
79 61.8 15.0 22.4#





#15

Acetone

Concen: 0.486 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

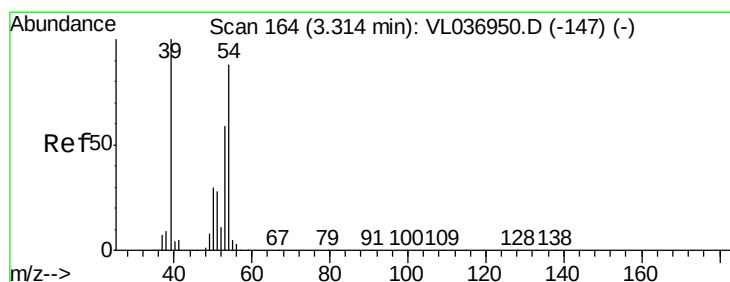
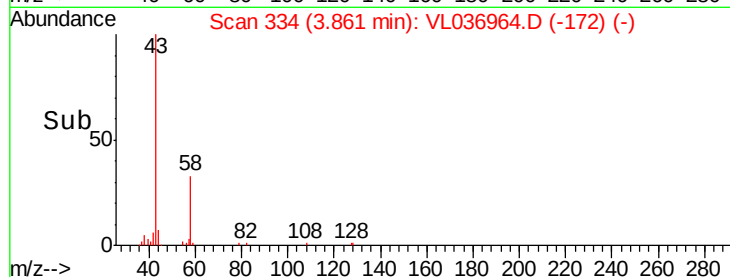
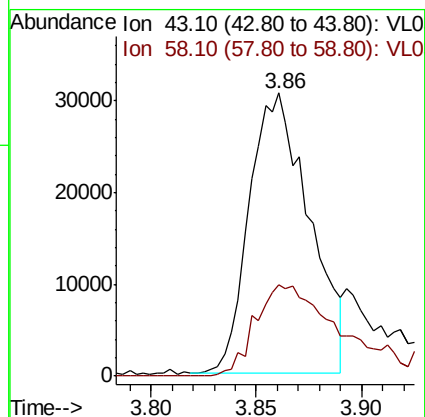
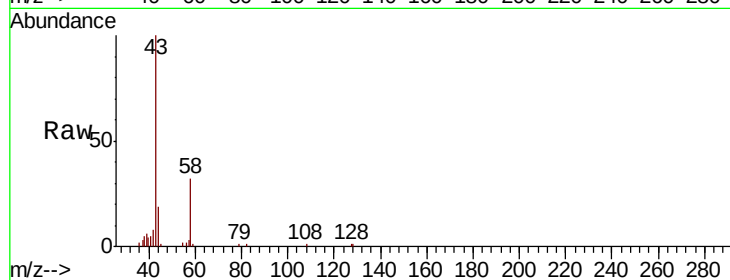
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 43 Resp: 60666

Ion Ratio Lower Upper

43 100

58 49.2 24.0 36.0#



#16

1,3-Butadiene

Concen: 0.467 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL036964.D

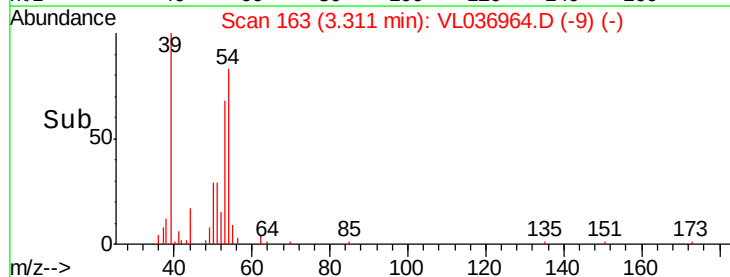
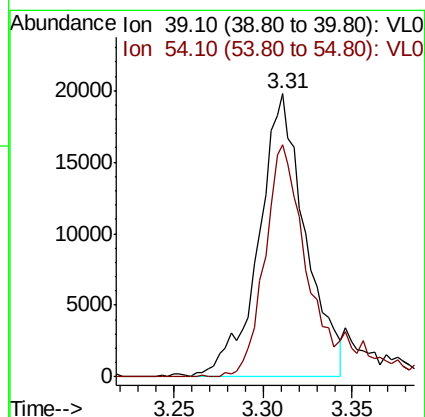
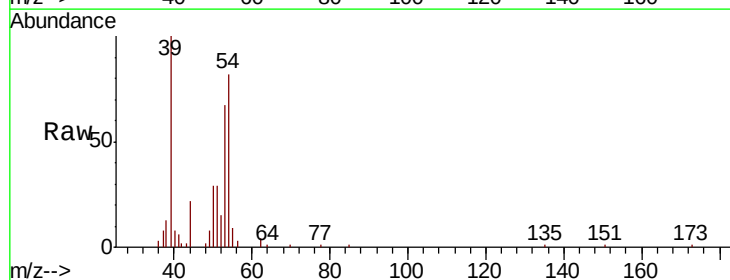
Acq: 18 May 2021 12:01

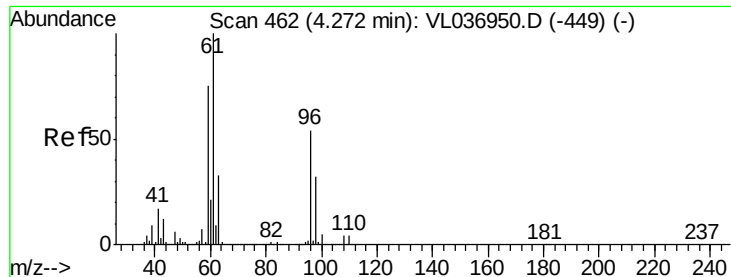
Tgt Ion: 39 Resp: 36207

Ion Ratio Lower Upper

39 100

54 84.5 63.2 94.8

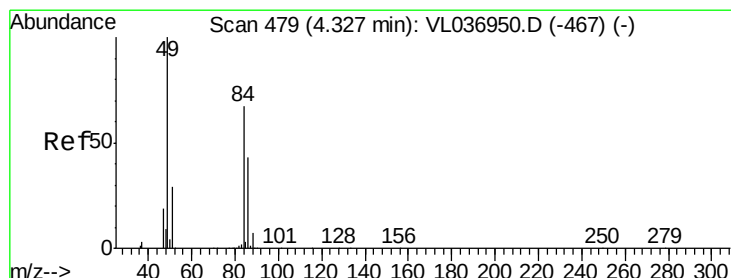
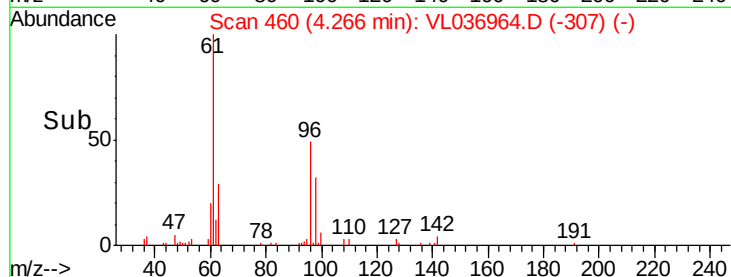
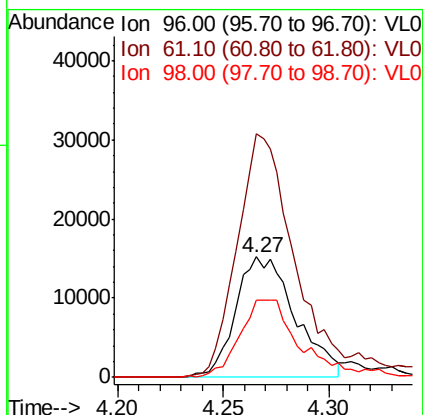
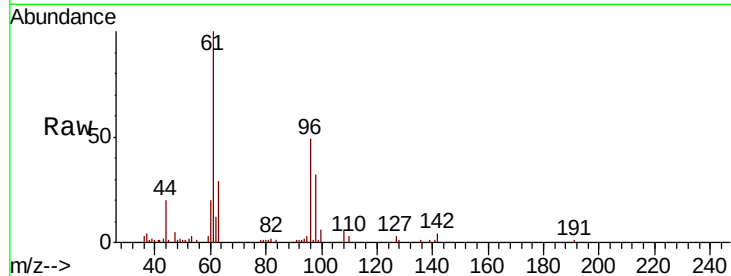




#18
 1,1-Dichloroethene
 Concen: 0.474 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

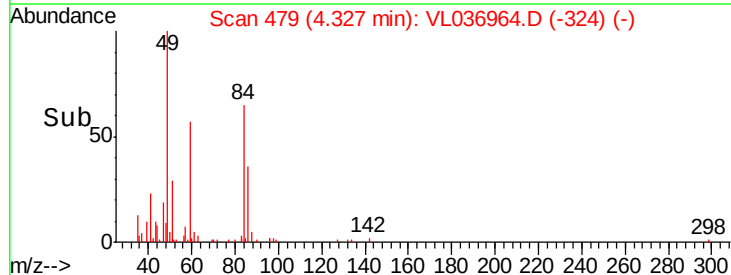
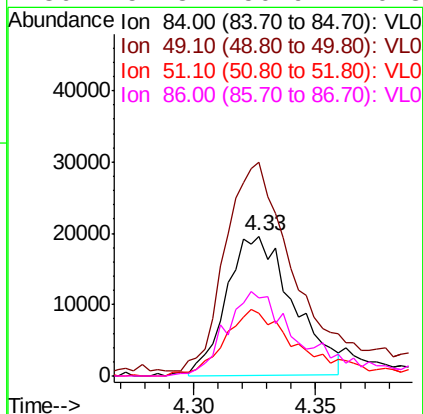
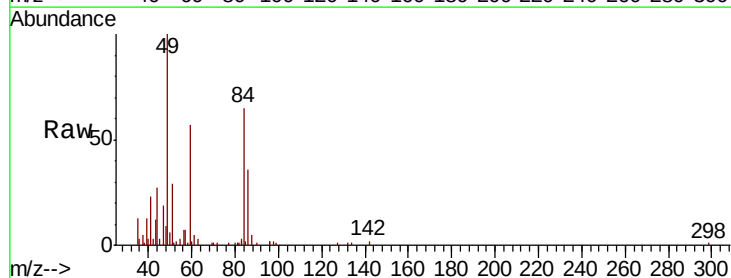
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

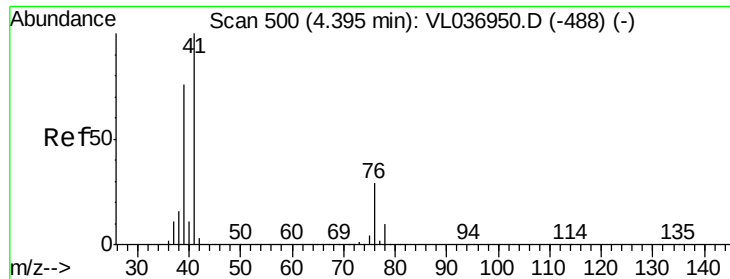
Tot Ion: 96 Resp: 29875
 Ion Ratio Lower Upper
 96 100
 61 201.2 148.2 222.4
 98 63.3 47.8 71.6



#20
 Methylene Chloride
 Concen: 0.554 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion: 84 Resp: 37087
 Ion Ratio Lower Upper
 84 100
 49 143.9 119.8 179.6
 51 42.6 35.1 52.7
 86 54.8 50.9 76.3





#21

Allvl Chloride

Concen: 0.472 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

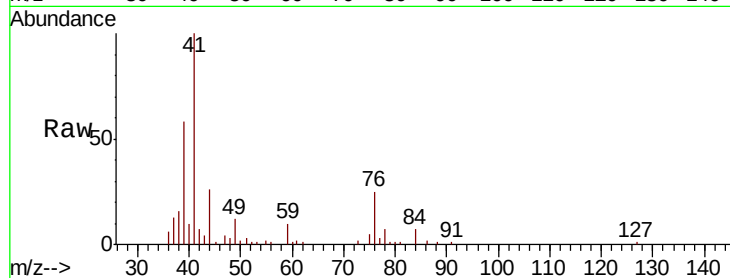
Tot Ion: 41 Resp: 44429

Ion Ratio Lower Upper

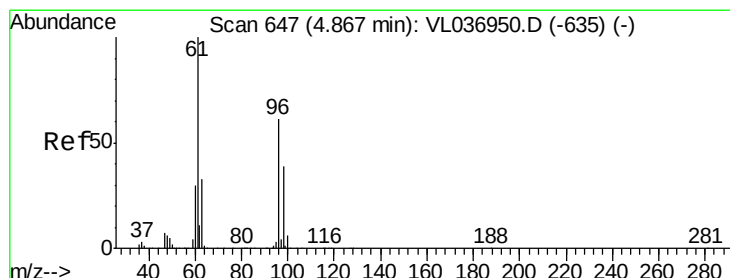
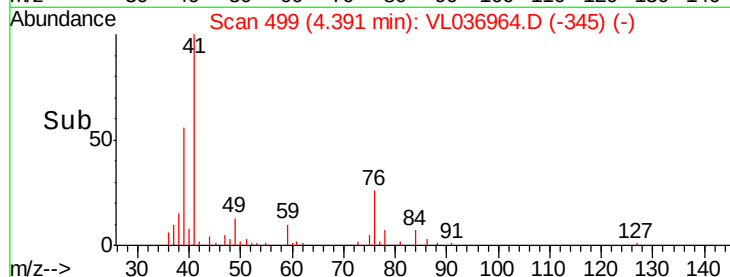
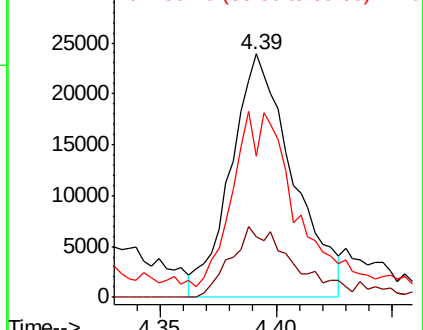
41 100

76 32.6 24.9 37.3

39 88.5 63.7 95.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.204 ppbv

RT: 4.86 min Scan# 645

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

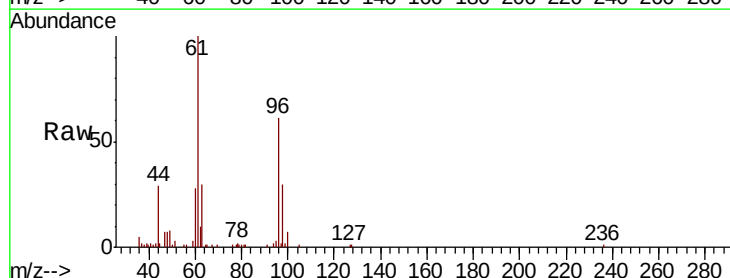
Tgt Ion: 96 Resp: 12305

Ion Ratio Lower Upper

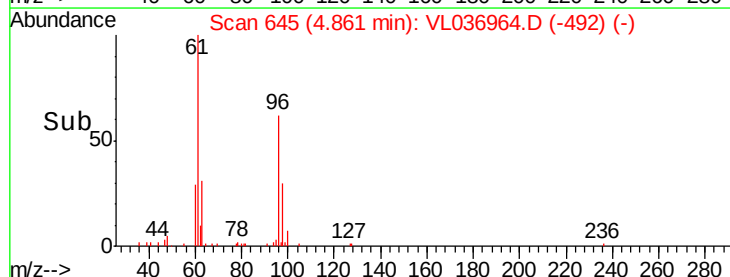
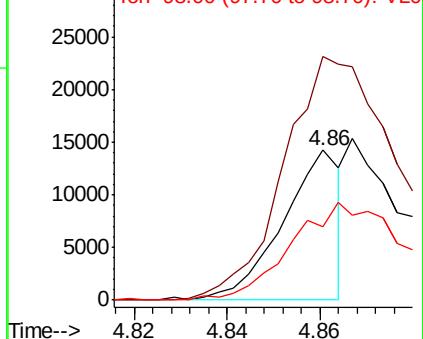
96 100

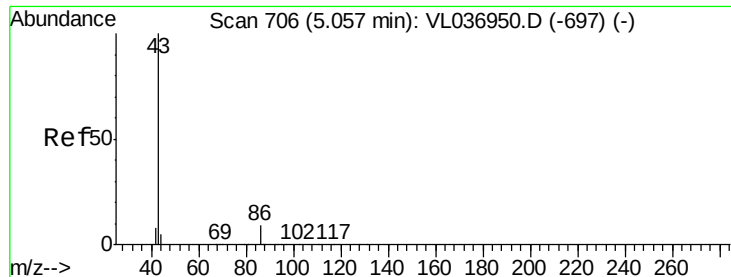
61 161.7 130.6 196.0

98 49.2 50.8 76.2#



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





#23

Vinyl Acetate

Concen: 0.071 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion: 43 Resp: 14068

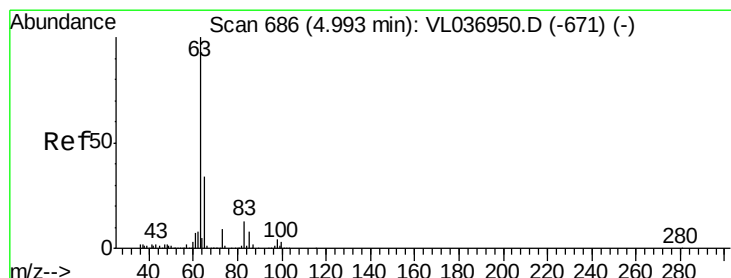
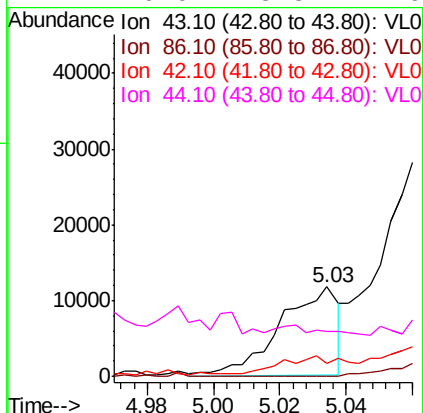
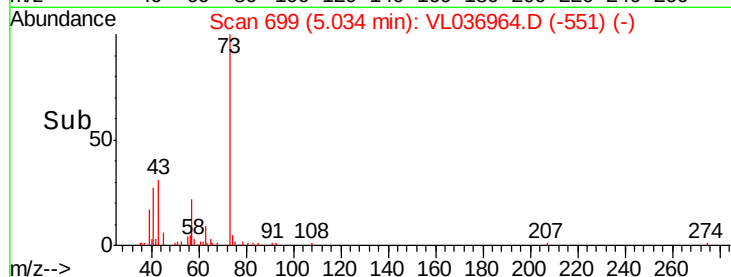
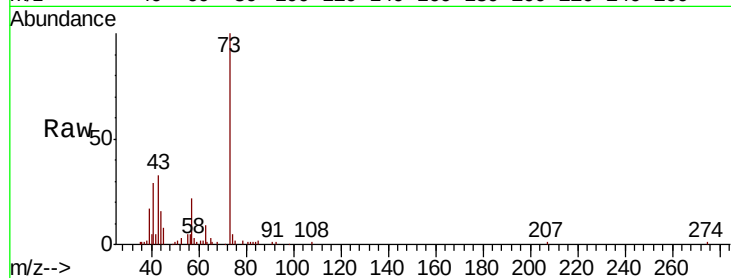
Ion Ratio Lower Upper

43 100

86 0.0 5.8 8.8#

42 10.7 7.4 11.2

44 0.0 3.3 4.9#



#24

1,1-Dichloroethane

Concen: 0.435 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

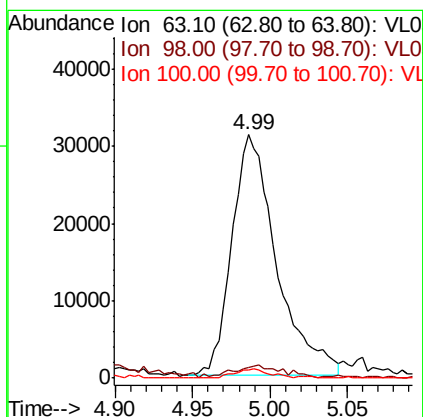
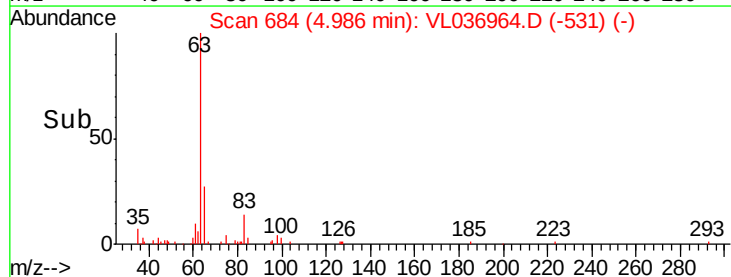
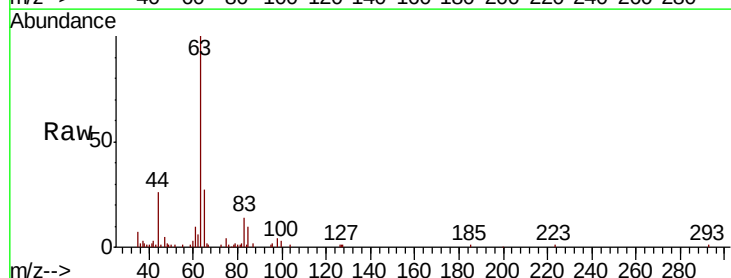
Tgt Ion: 63 Resp: 62121

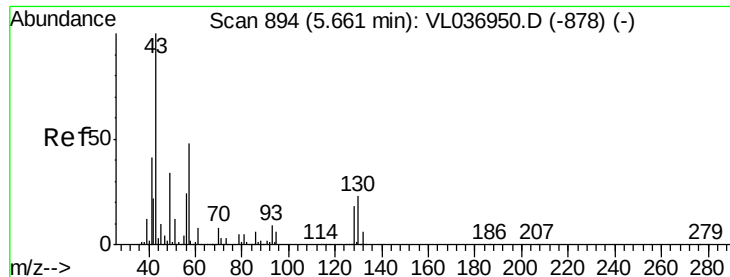
Ion Ratio Lower Upper

63 100

98 3.1 2.3 6.9

100 3.5 1.4 4.0

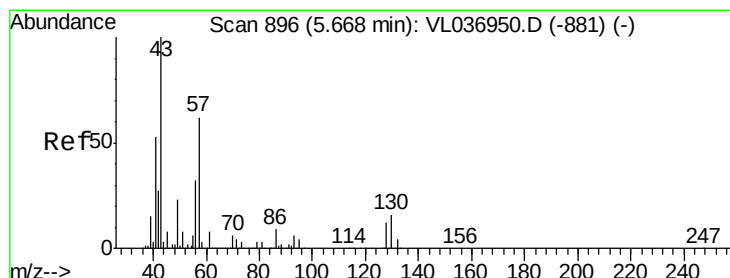
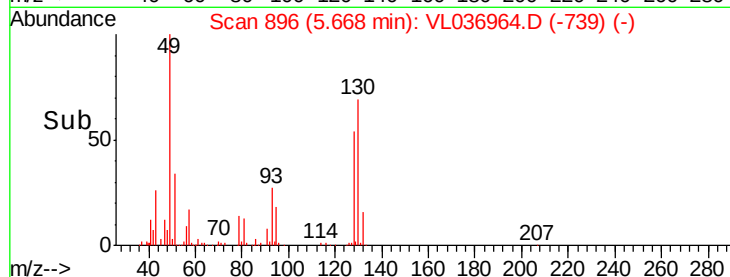
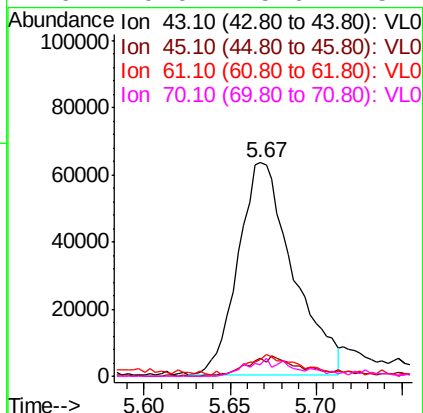
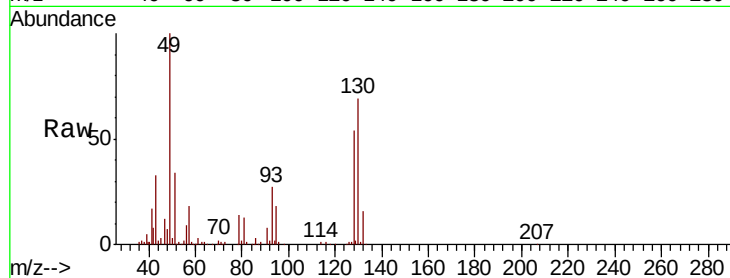




#25
Ethyl Acetate
Concen: 0.466 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

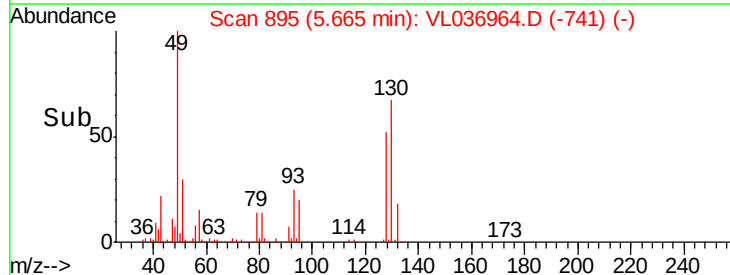
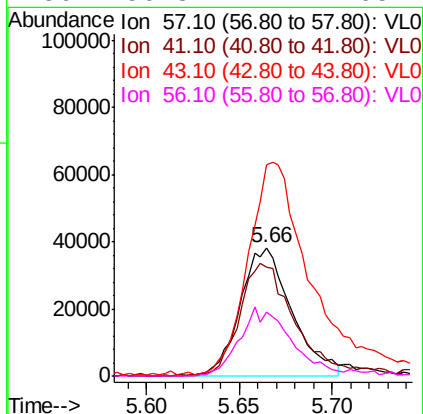
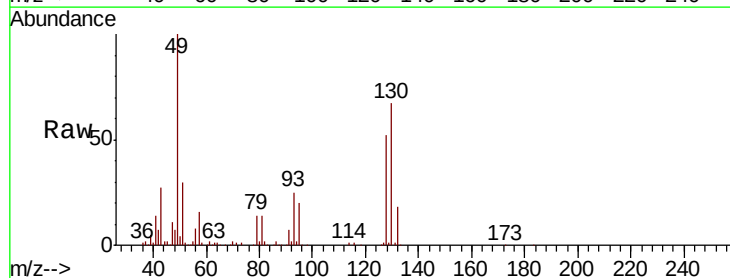
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

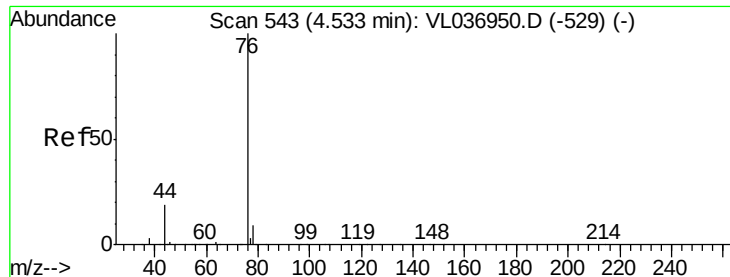
Tot Ion:	43	Resp:	139780
Ion	Ratio	Lower	Upper
43	100		
45	11.0	7.8	11.8
61	9.3	7.8	11.8
70	9.0	5.6	8.4#



#26
Hexane
Concen: 0.482 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion:	57	Resp:	73958
Ion	Ratio	Lower	Upper
57	100		
41	99.2	70.5	105.7
43	218.2	165.8	248.8
56	56.8	42.2	63.4





#27

Carbon Disulfide

Concen: 0.353 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

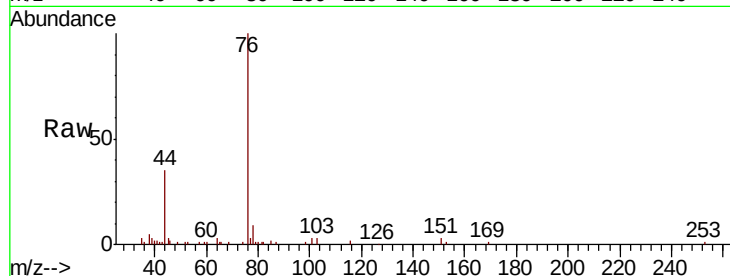
Tot Ion: 76 Resp: 54489

Ion Ratio Lower Upper

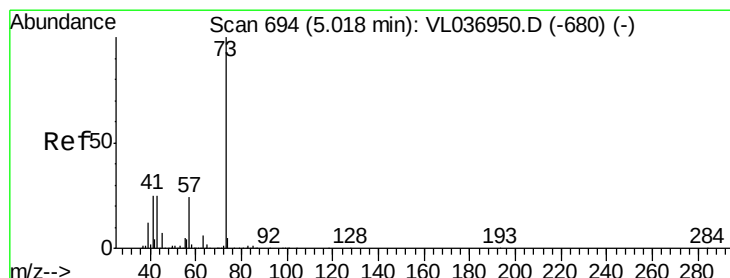
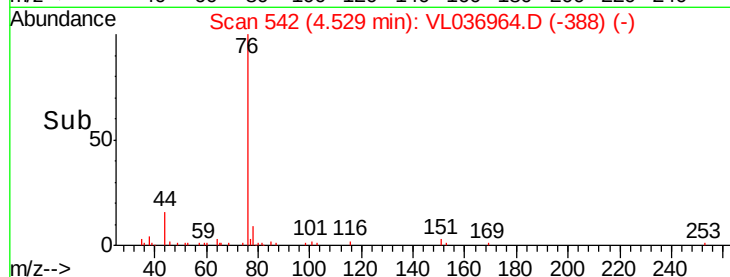
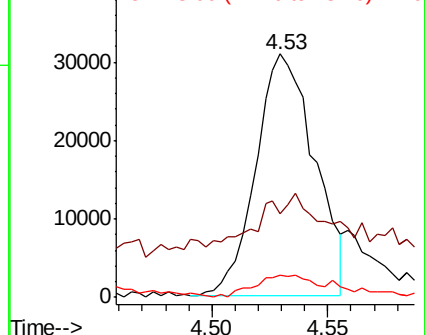
76 100

44 49.2 15.5 23.3#

78 13.8 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.234 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL036964.D

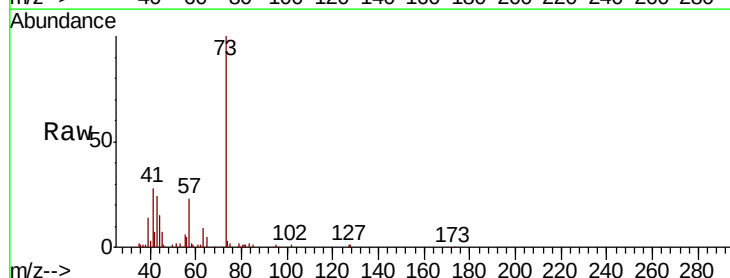
Acq: 18 May 2021 12:01

Tgt Ion: 73 Resp: 42950

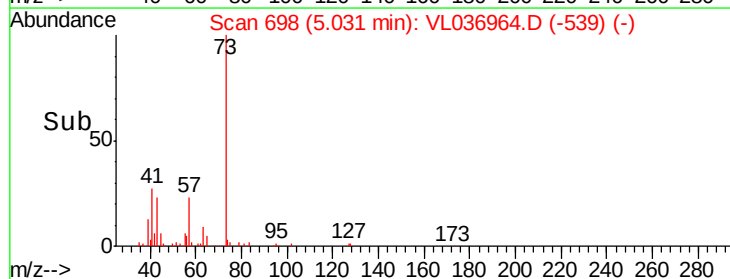
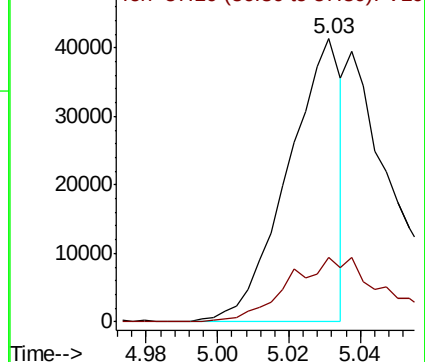
Ion Ratio Lower Upper

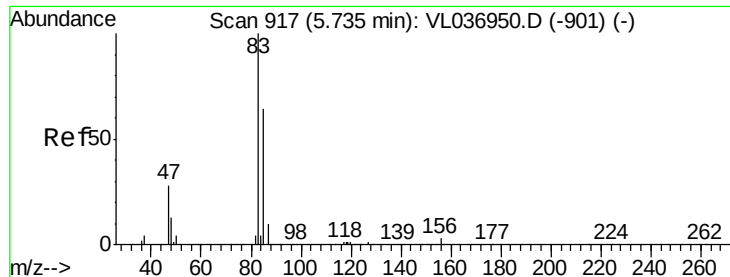
73 100

57 47.2 18.3 27.5#



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

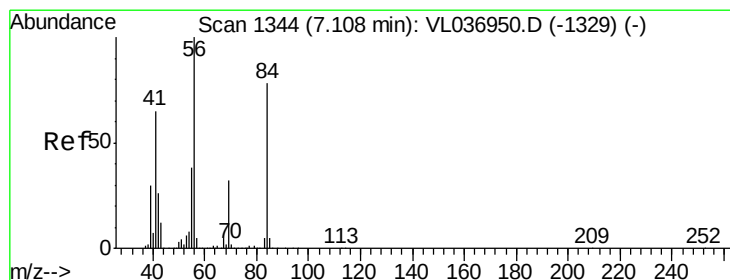
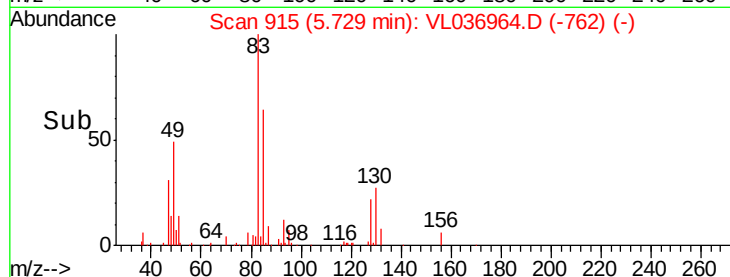
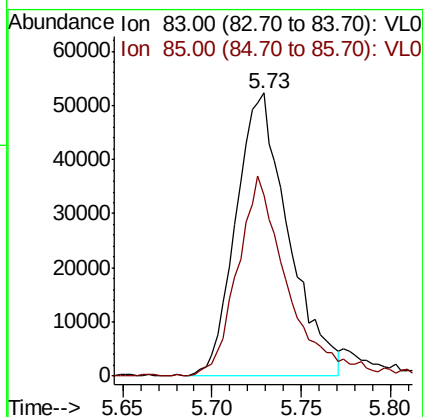
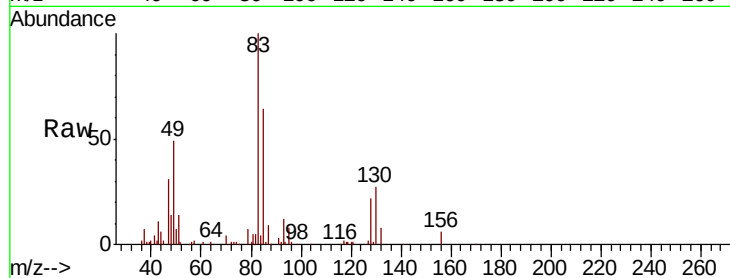




#29
Chloroform
Concen: 0.496 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

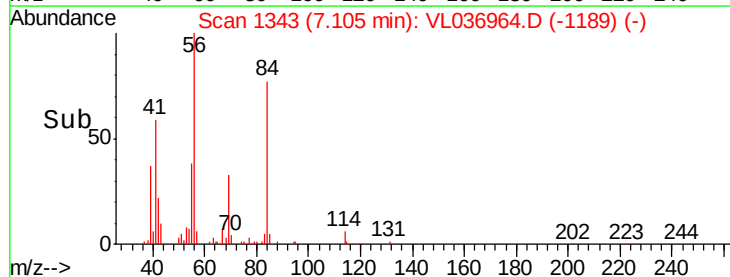
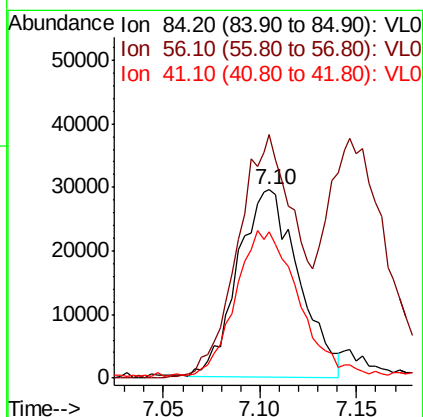
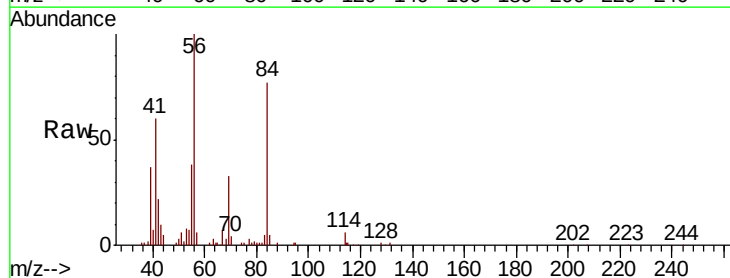
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

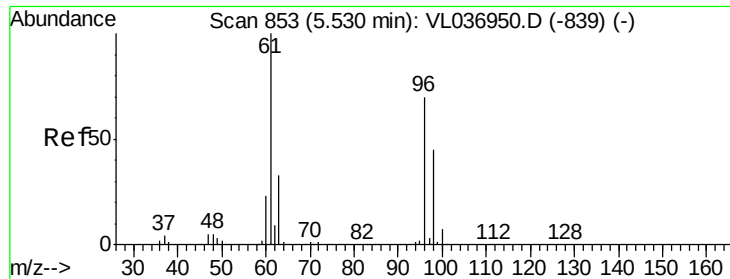
Tot Ion: 83 Resp: 107457
Ion Ratio Lower Upper
83 100
85 63.8 51.1 76.7



#30
Cyclohexane
Concen: 0.495 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion: 84 Resp: 64437
Ion Ratio Lower Upper
84 100
56 131.1 107.9 161.9
41 86.9 65.5 98.3



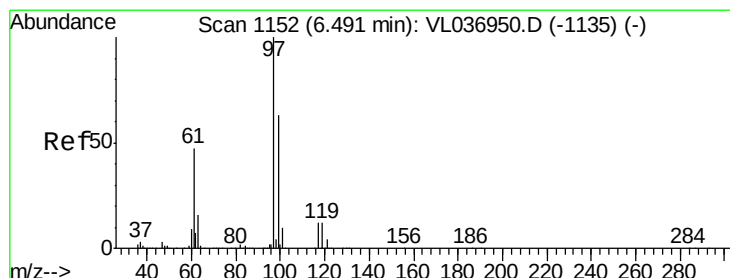
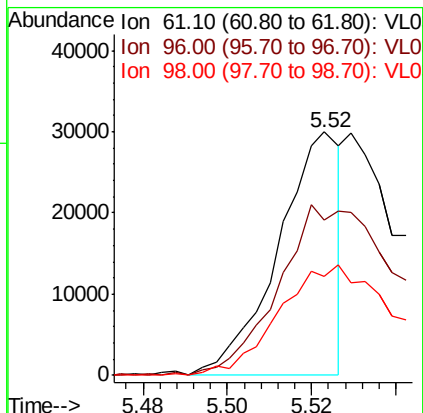
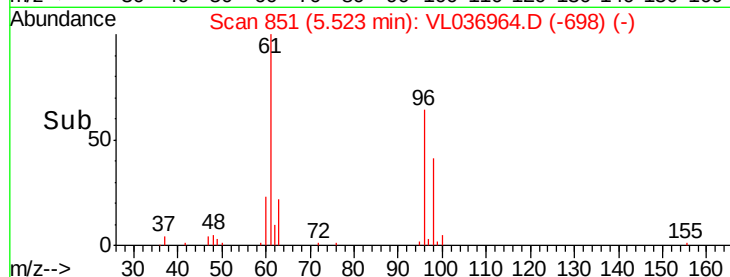
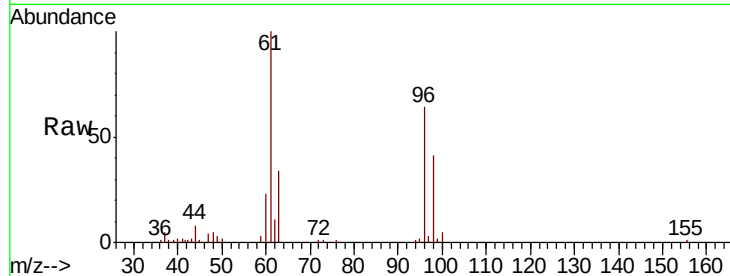


#31

cis-1,2-Dichloroethene
Concen: 0.224 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

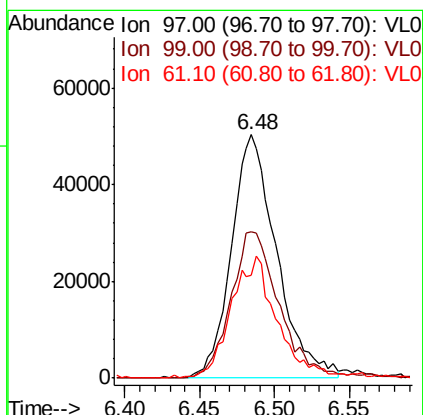
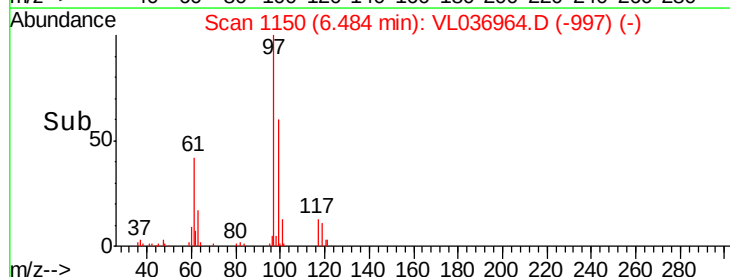
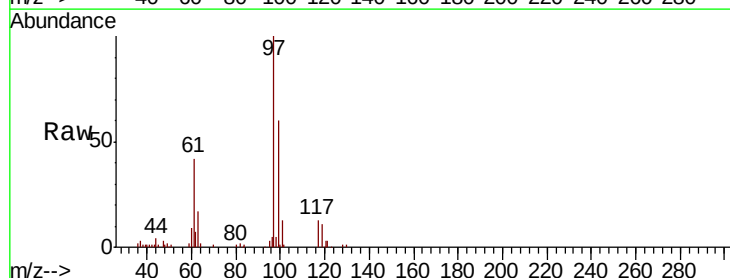
Tot Ion: 61 Resp: 30736
Ion Ratio Lower Upper
61 100
96 63.8 55.9 83.9
98 40.6 35.6 53.4

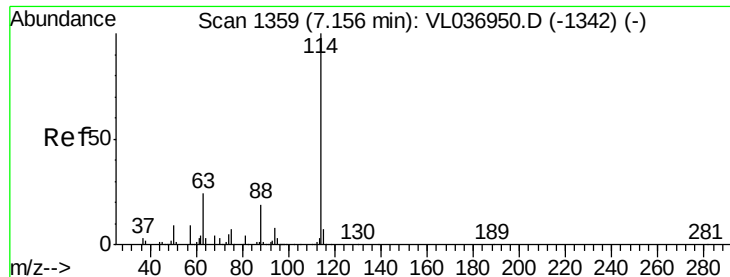


#32

1,1,1-Trichloroethane
Concen: 0.455 ppbv
RT: 6.48 min Scan# 1150
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion: 97 Resp: 105867
Ion Ratio Lower Upper
97 100
99 65.3 51.9 77.9
61 51.7 37.6 56.4

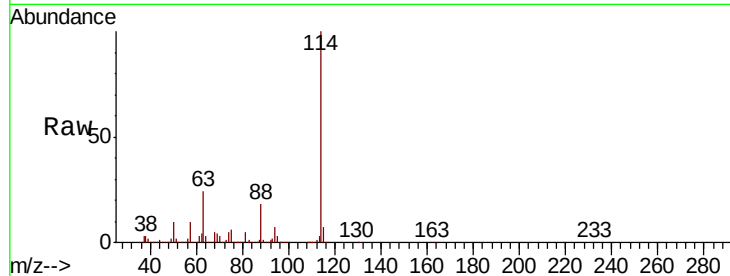




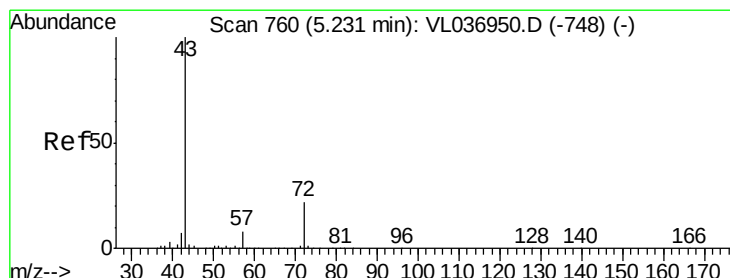
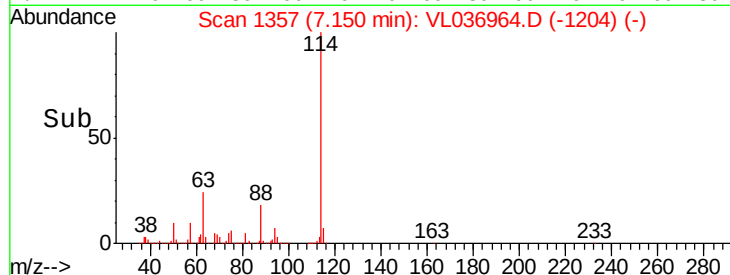
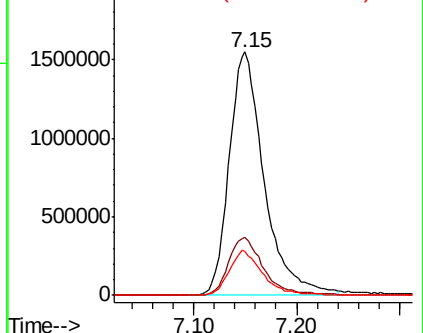
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion:114 Resp: 3652670
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 18.1 14.6 21.8

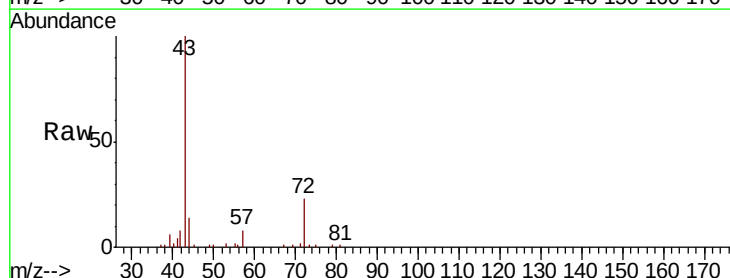


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

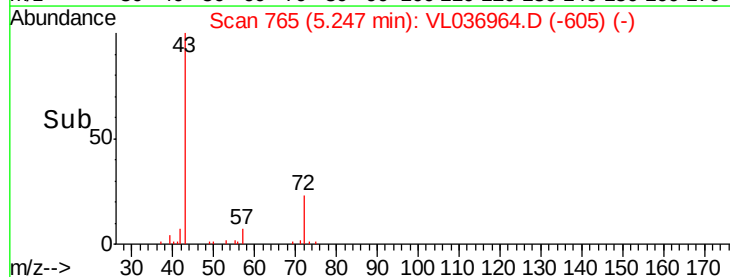
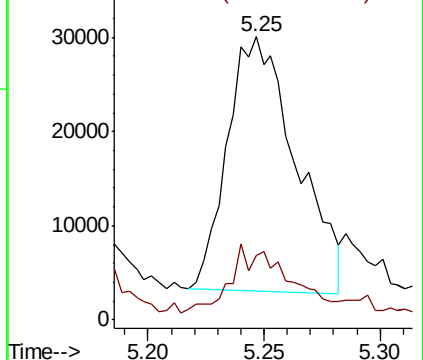


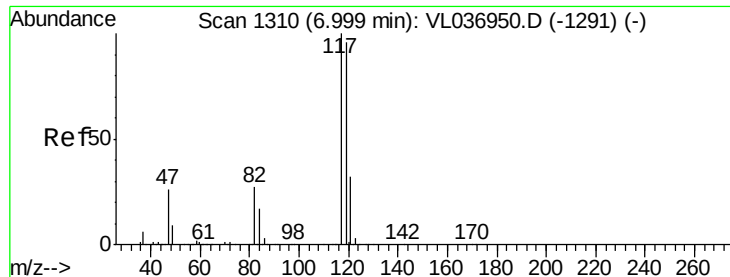
#34
 2-Butanone
 Concen: 0.416 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion: 43 Resp: 55362
 Ion Ratio Lower Upper
 43 100
 72 40.2 19.0 28.4#



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





#35

Carbon Tetrachloride

Concen: 0.188 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

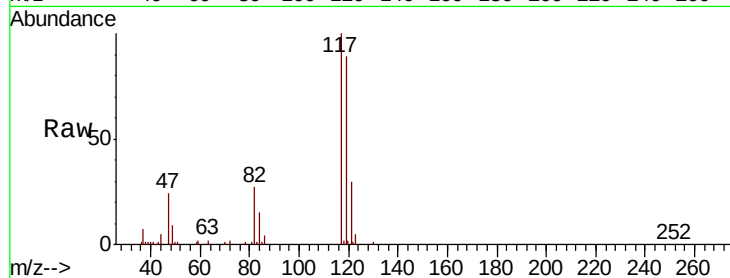
Tot Ion:117 Resp: 45745

Ion Ratio Lower Upper

117 100

119 89.5 76.6 114.8

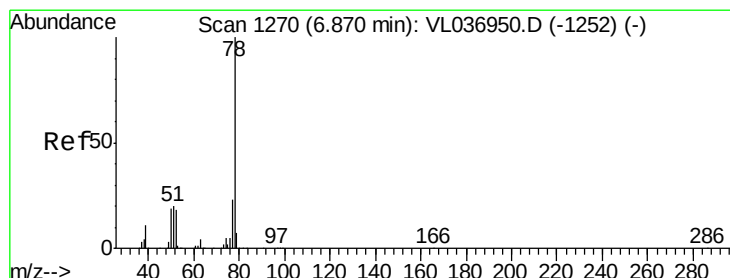
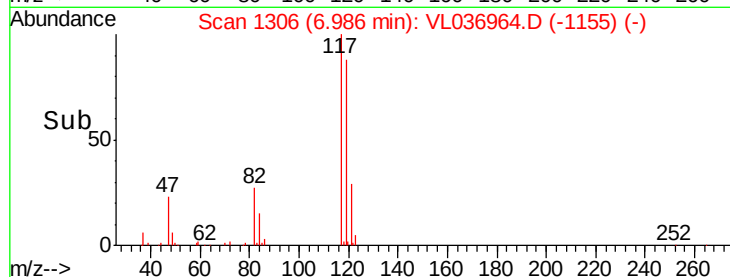
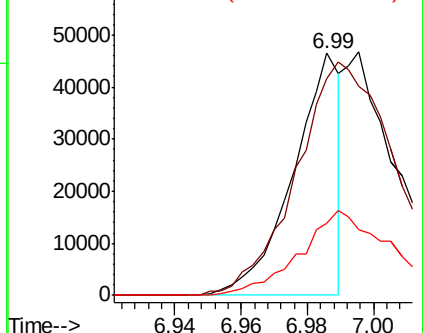
121 29.9 25.8 38.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.498 ppbv

RT: 6.86 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

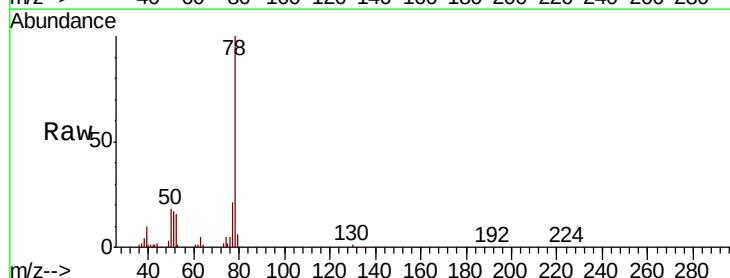
Tgt Ion: 78 Resp: 156709

Ion Ratio Lower Upper

78 100

77 21.4 18.6 28.0

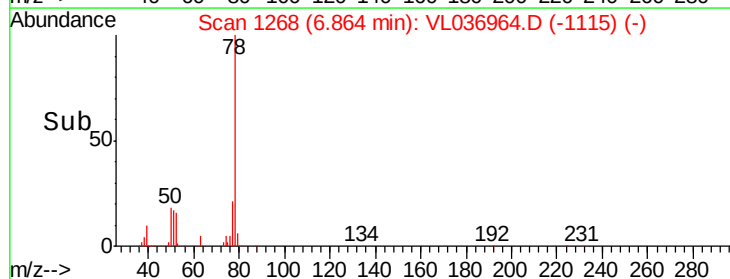
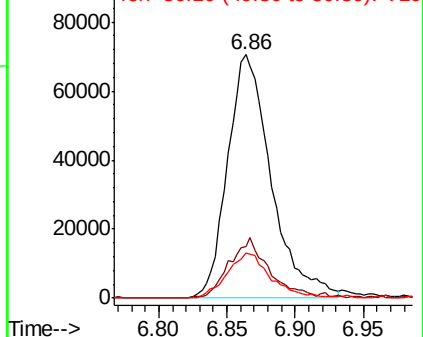
50 18.1 15.0 22.4

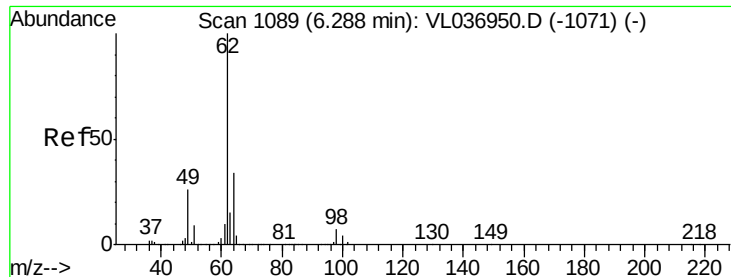


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

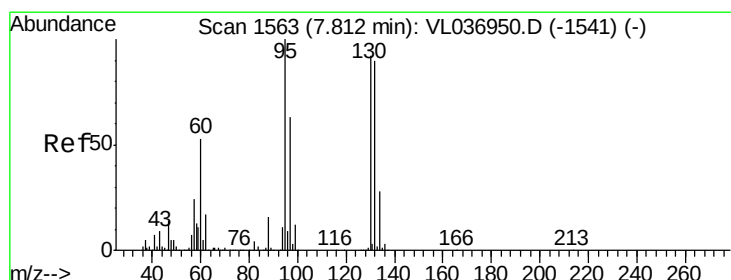
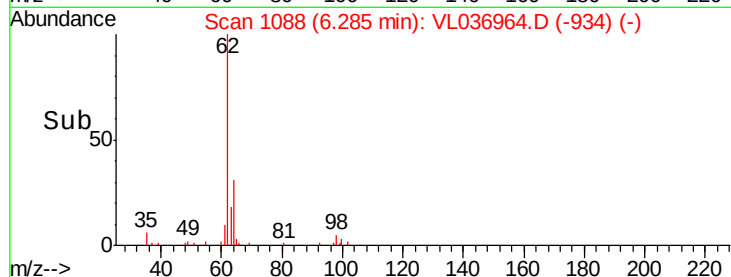
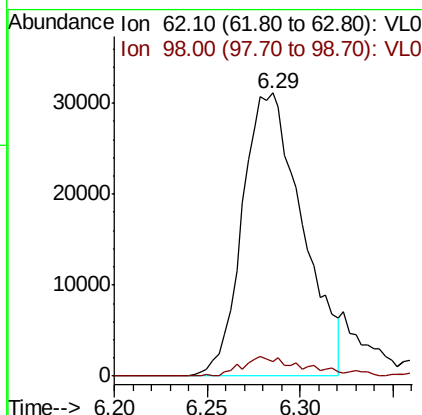
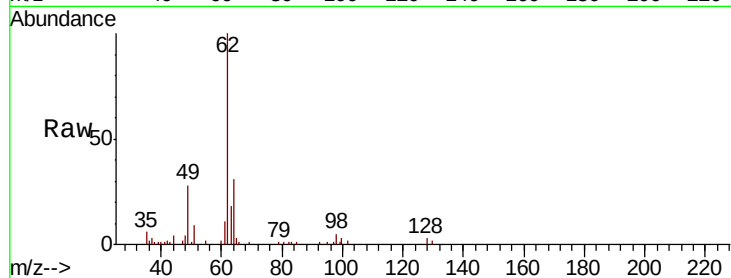




#37
 1,2-Dichloroethane
 Concen: 0.448 ppbv
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

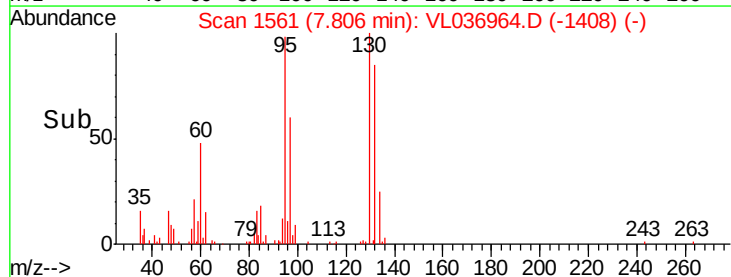
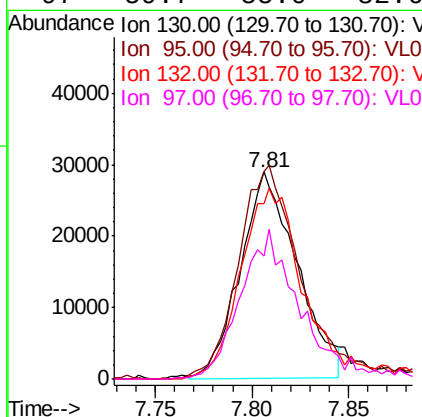
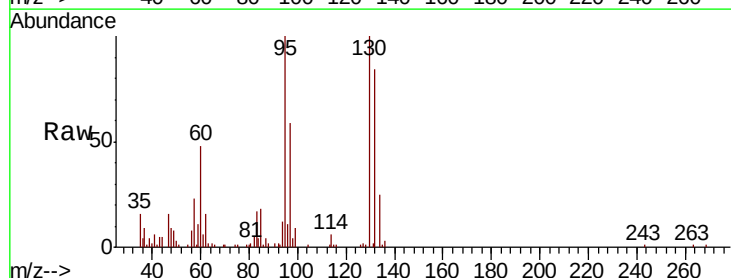
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

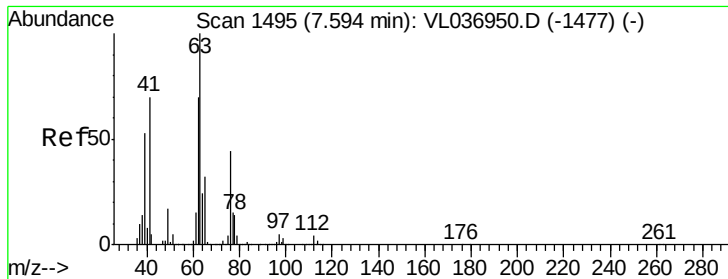
Tot Ion: 62 Resp: 69810
 Ion Ratio Lower Upper
 62 100
 98 7.7 5.5 8.3



#38
 Trichloroethene
 Concen: 0.439 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion:130 Resp: 59094
 Ion Ratio Lower Upper
 130 100
 95 99.6 86.9 130.3
 132 84.3 78.4 117.6
 97 59.7 55.0 82.6

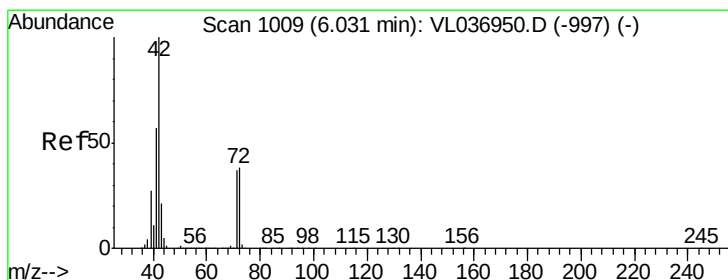
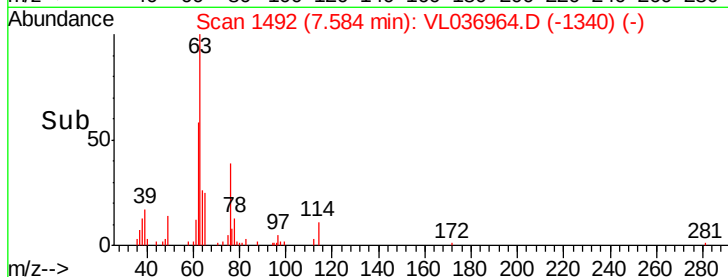
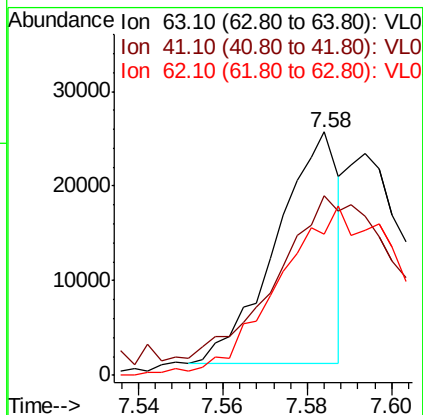
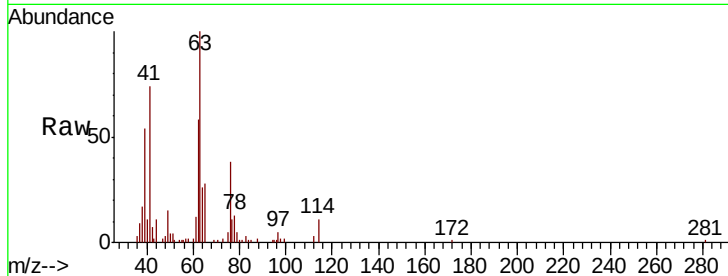




#39
 1,2-Dichloropropane
 Concen: 0.207 ppbv
 RT: 7.58 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

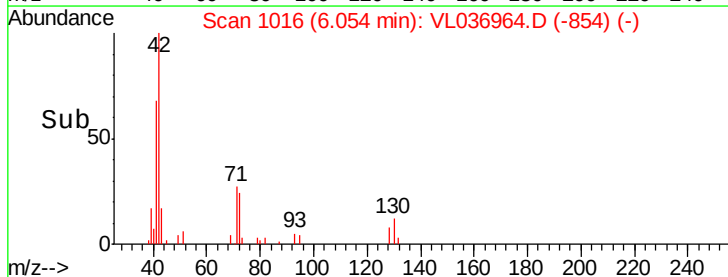
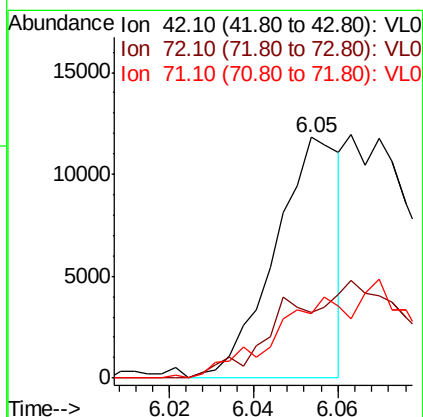
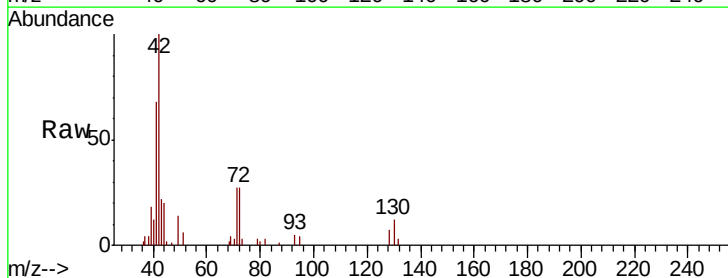
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

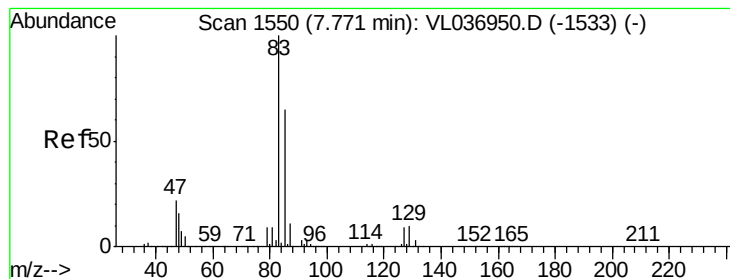
Tot Ion: 63 Resp: 25038
 Ion Ratio Lower Upper
 63 100
 41 70.0 55.7 83.5
 62 59.3 56.2 84.4



#41
 Tetrahydrofuran
 Concen: 0.166 ppbv
 RT: 6.05 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion: 42 Resp: 12539
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.4 47.2#
 71 0.0 30.4 45.6#





#42

Bromodichloromethane

Concen: 0.205 ppbv

RT: 7.76 min Scan# 1547

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

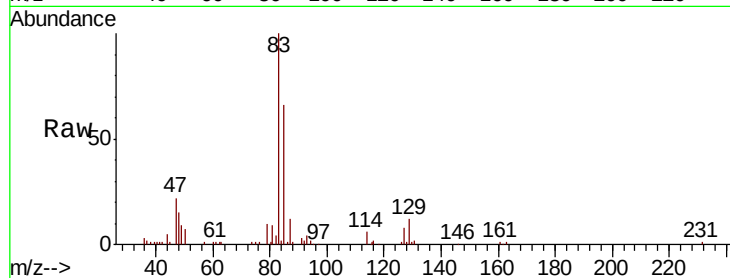
Tot Ion: 83 Resp: 48418

Ion Ratio Lower Upper

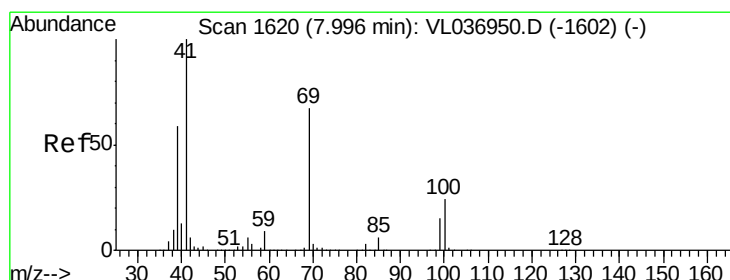
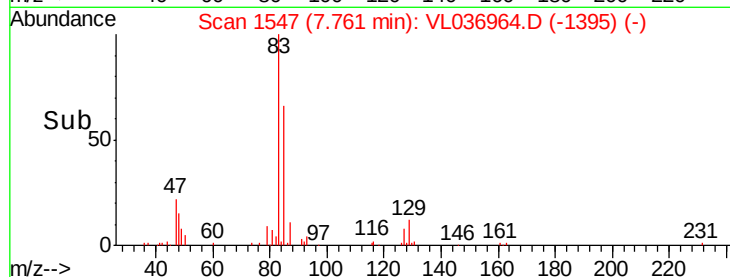
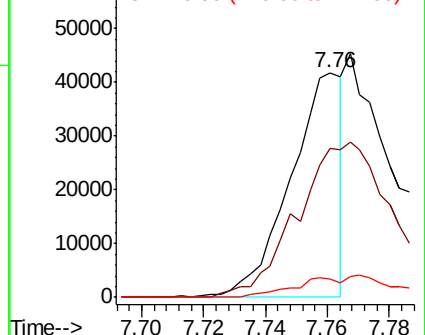
83 100

85 66.4 51.7 77.5

127 7.9 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.175 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

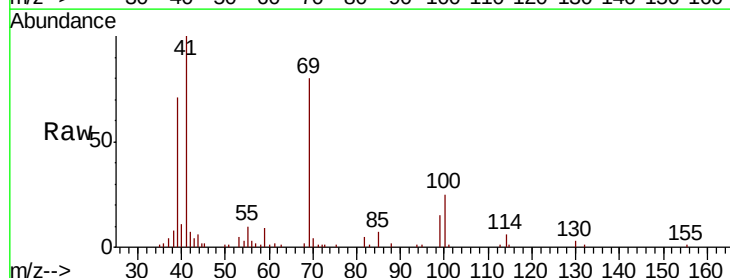
Tgt Ion: 69 Resp: 18976

Ion Ratio Lower Upper

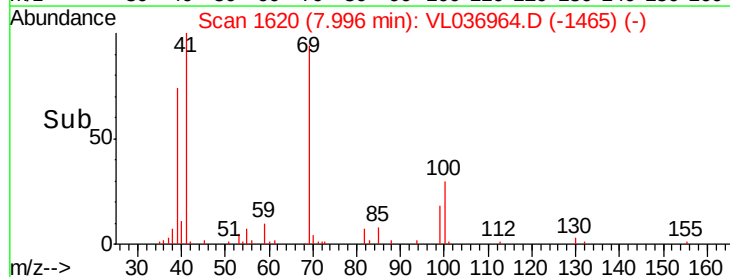
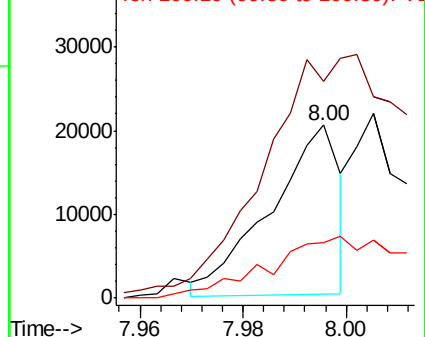
69 100

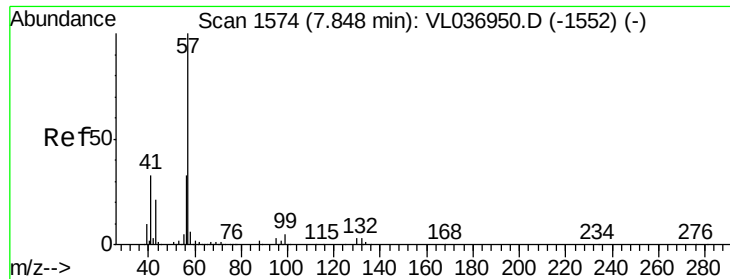
41 0.0 118.6 178.0#

100 0.0 28.2 42.4#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

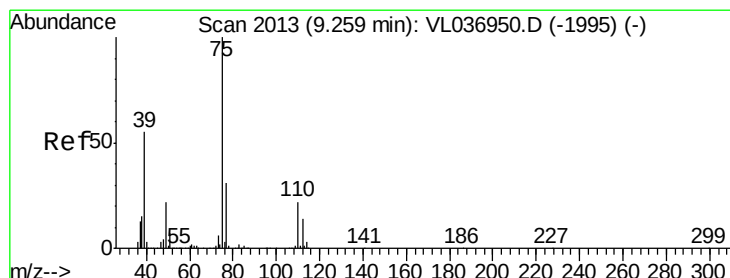
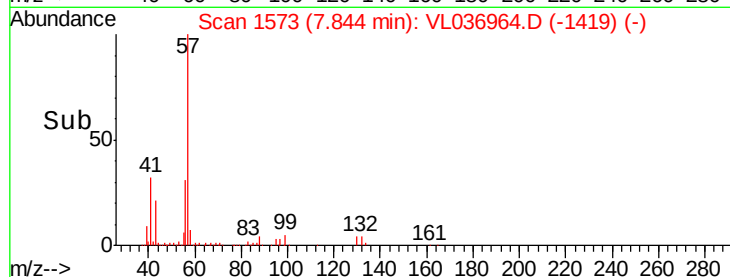
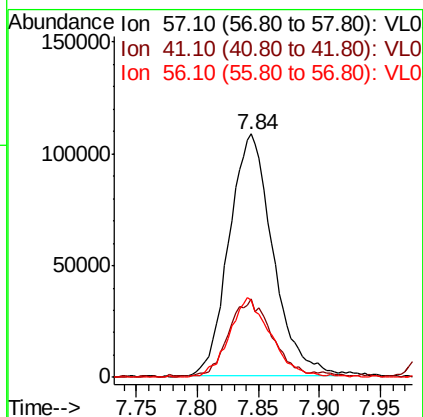
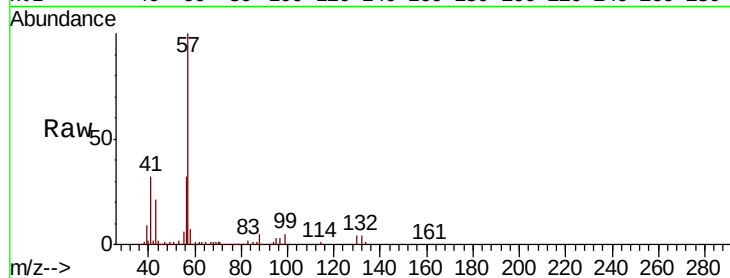




#44
 2,2,4-Trimethylpentane
 Concen: 0.498 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

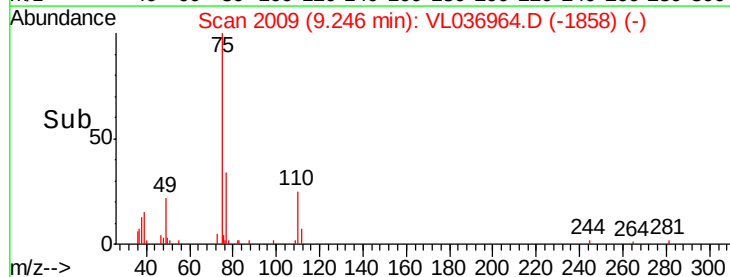
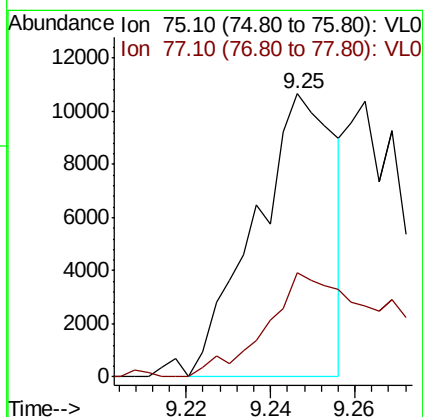
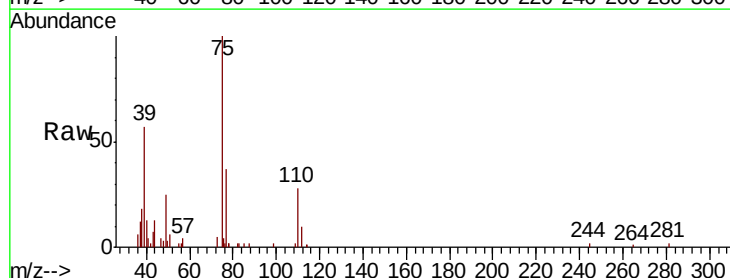
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

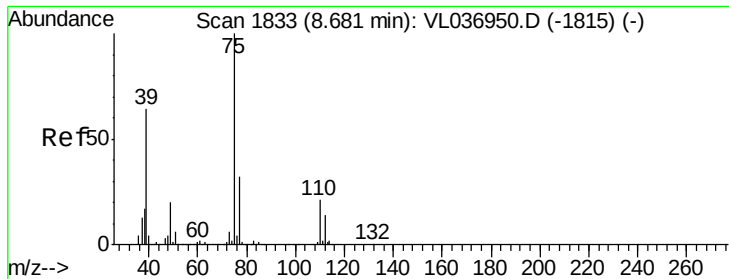
Tot Ion	57	Resp	268819
Ion	Ratio	Lower	Upper
57	100		
41	32.9	27.0	40.4
56	32.1	25.4	38.2



#45
 t-1,3-Dichloropropene
 Concen: 0.169 ppbv
 RT: 9.25 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion	75	Resp	13997
Ion	Ratio	Lower	Upper
75	100		
77	35.4	24.4	36.6



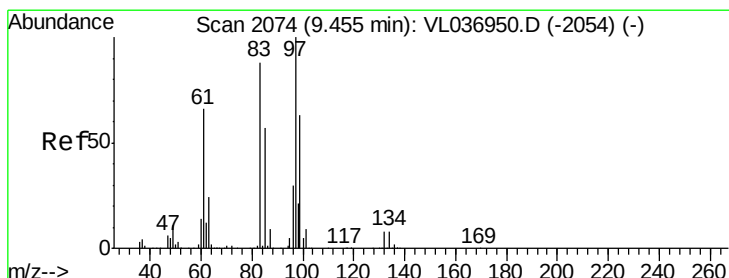
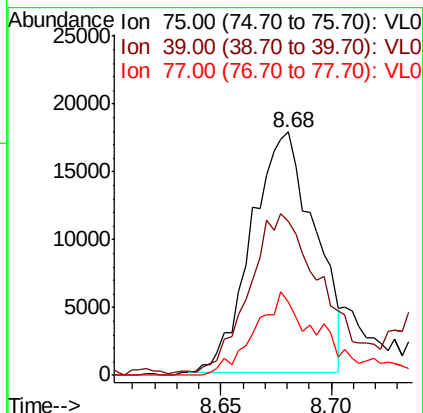
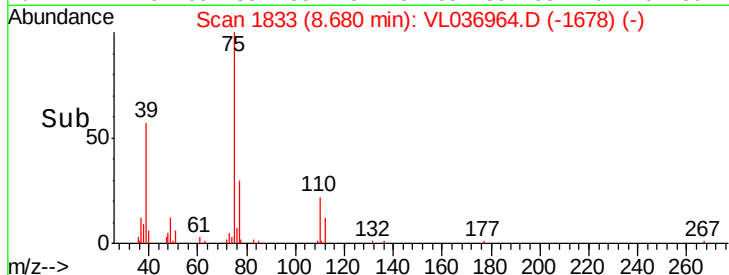
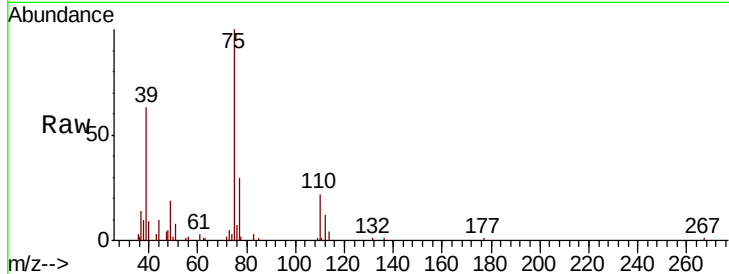


#46

cis-1,3-Dichloropropene
 Concen: 0.318 ppbv
 RT: 8.68 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

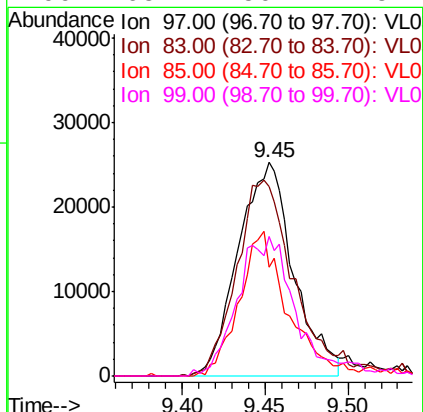
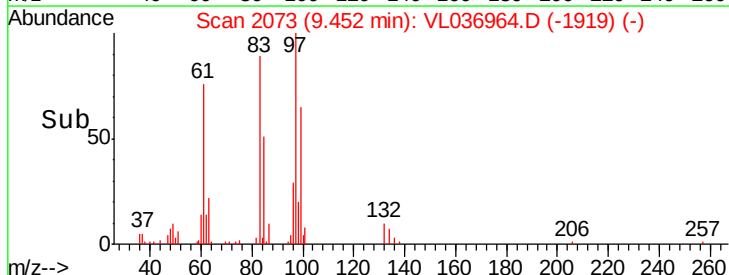
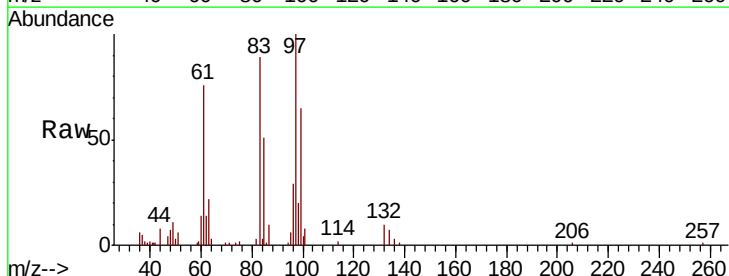
Tot Ion	75	Resp	35451
Ion Ratio	Lower	Upper	
75	100		
39	62.2	51.5	77.3
77	30.6	25.9	38.9

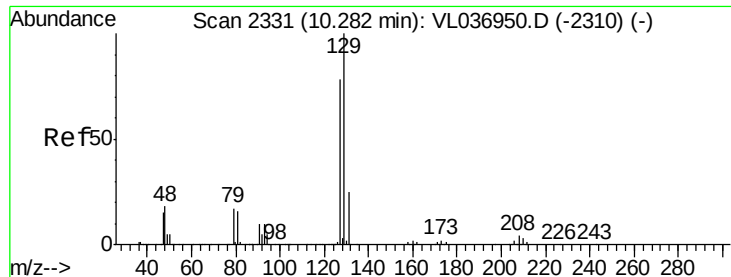


#47

1,1,2-Trichloroethane
 Concen: 0.462 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion	97	Resp	58623
Ion Ratio	Lower	Upper	
97	100		
83	88.5	70.4	105.6
85	51.0	45.5	68.3
99	65.4	50.2	75.2





#48

Dibromochloromethane

Concen: 0.370 ppbv

RT: 10.28 min Scan# 2329

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

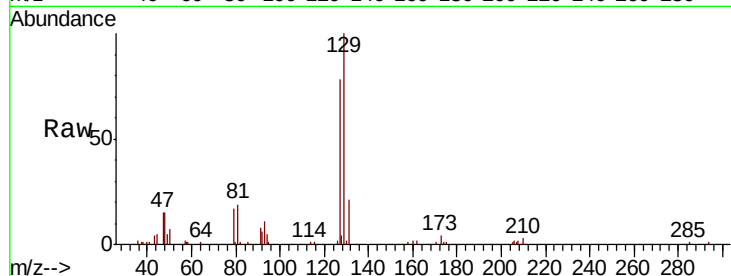
LOD-MDL-AIR-01-QT2-2021

Tot Ion:129 Resp: 76066

Ion Ratio Lower Upper

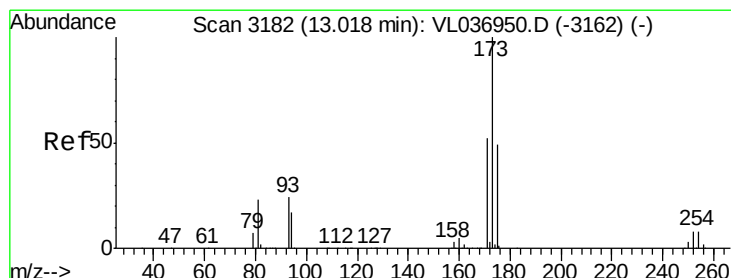
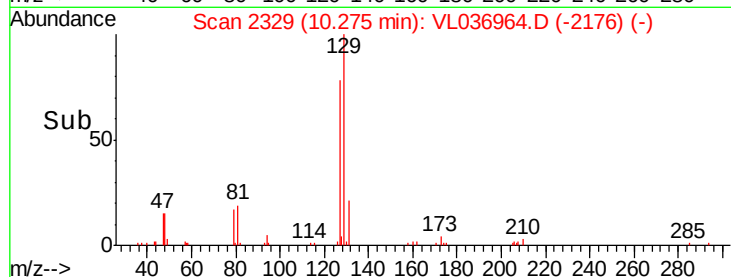
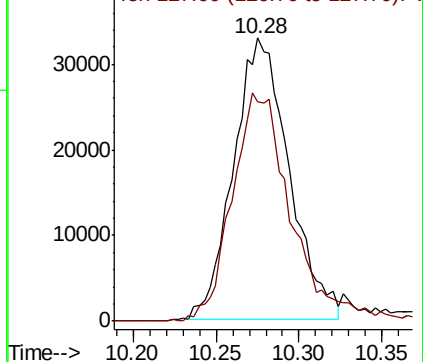
129 100

127 88.3 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.171 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

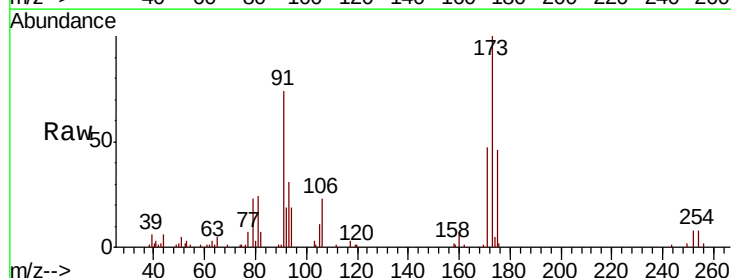
Tgt Ion:173 Resp: 29011

Ion Ratio Lower Upper

173 100

175 0.0 40.4 60.6#

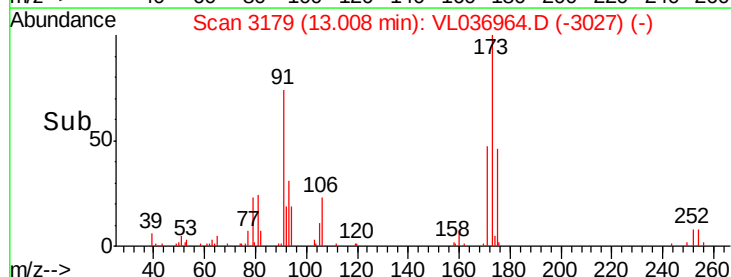
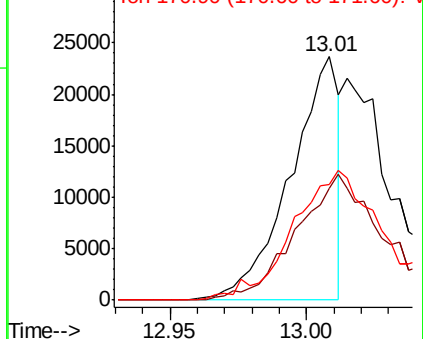
171 0.0 42.6 64.0#

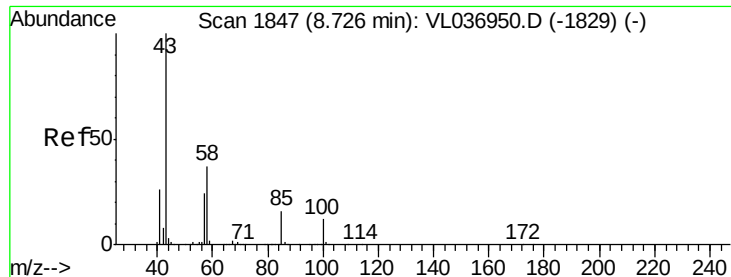


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

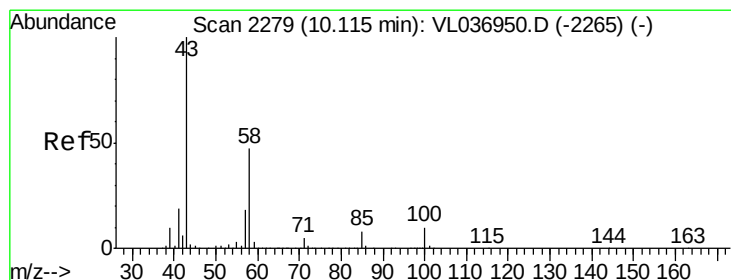
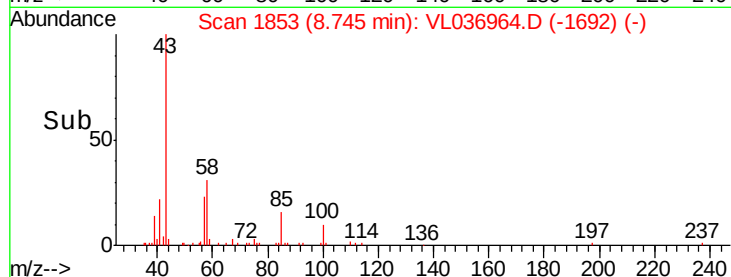
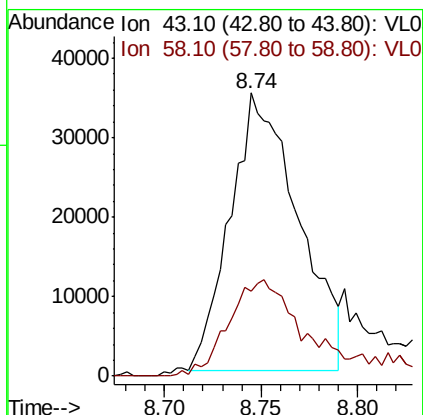
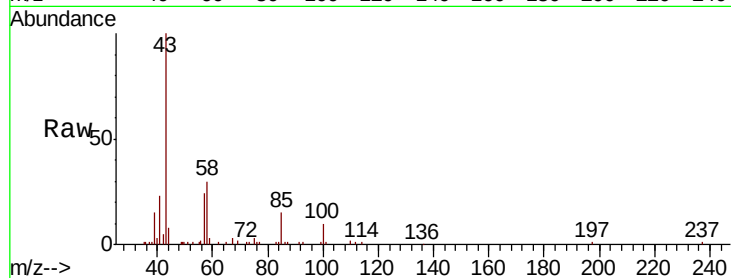




#50
 4-Methyl-2-Pentanone
 Concen: 0.391 ppbv
 RT: 8.74 min Scan# 1853
 Delta R.T. 0.02 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

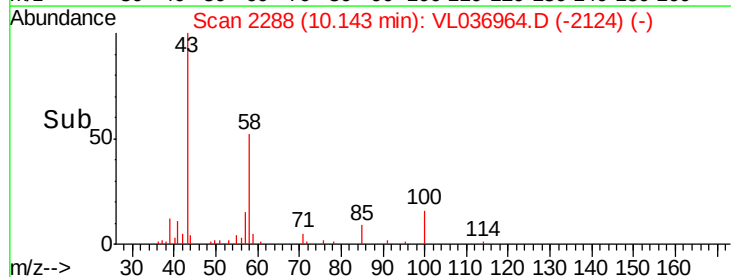
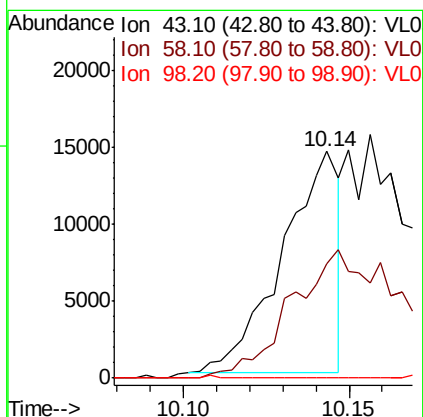
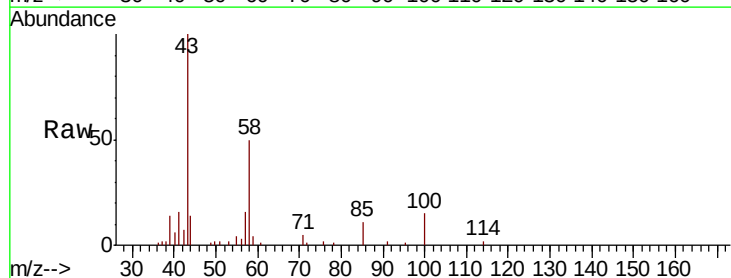
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

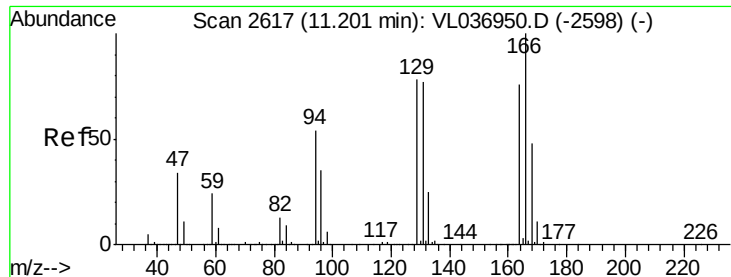
Tot Ion: 43 Resp: 85872
 Ion Ratio Lower Upper
 43 100
 58 38.3 29.4 44.2



#51
 2-Hexanone
 Concen: 0.148 ppbv
 RT: 10.14 min Scan# 2288
 Delta R.T. 0.03 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion: 43 Resp: 17214
 Ion Ratio Lower Upper
 43 100
 58 0.0 41.1 61.7#
 98 0.2 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.496 ppbv

RT: 11.19 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:164 Resp: 62111

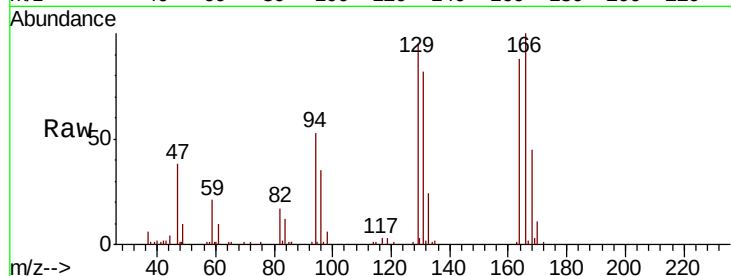
Ion Ratio Lower Upper

164 100

166 110.9 105.5 158.3

129 107.1 81.8 122.8

131 91.5 81.2 121.8

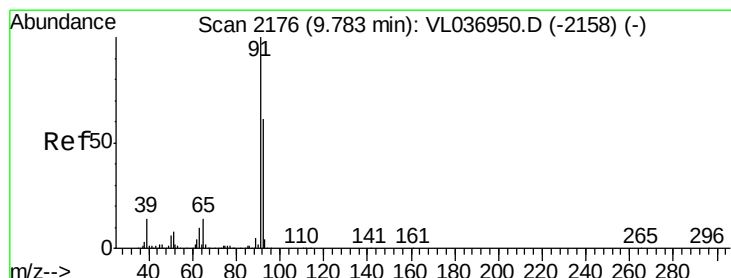
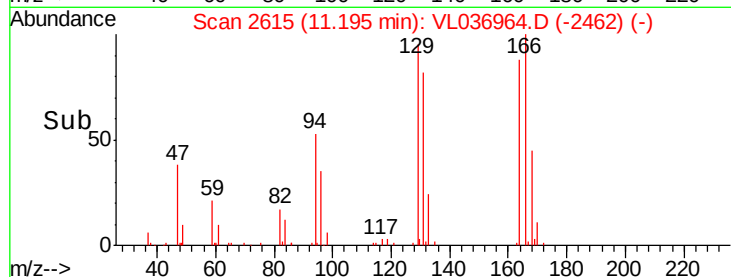
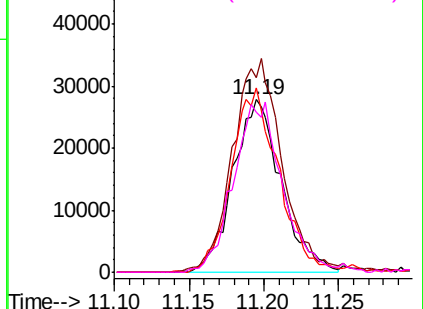


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.472 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.01 min

Lab File: VL036964.D

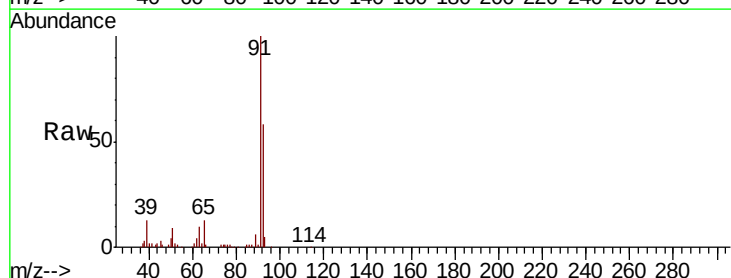
Acq: 18 May 2021 12:01

Tgt Ion: 91 Resp: 176718

Ion Ratio Lower Upper

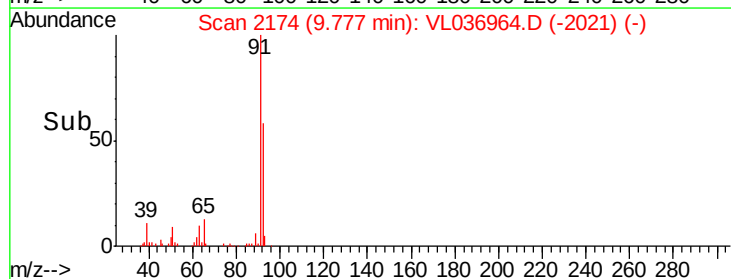
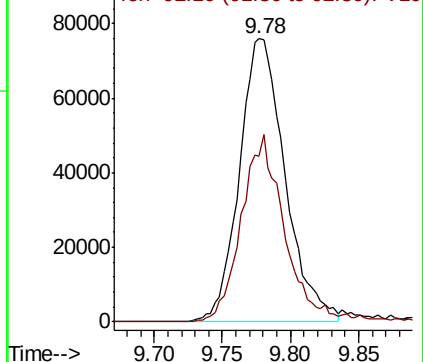
91 100

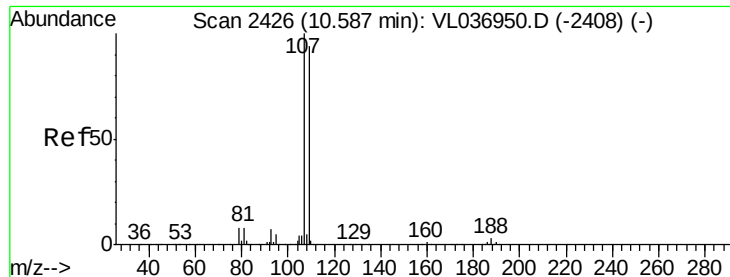
92 63.3 49.5 74.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

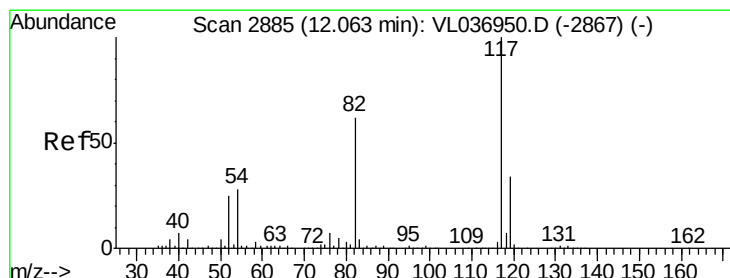
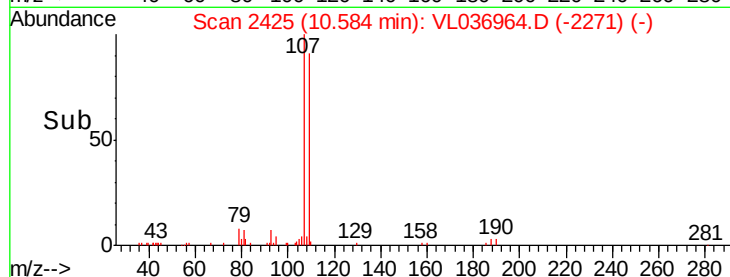
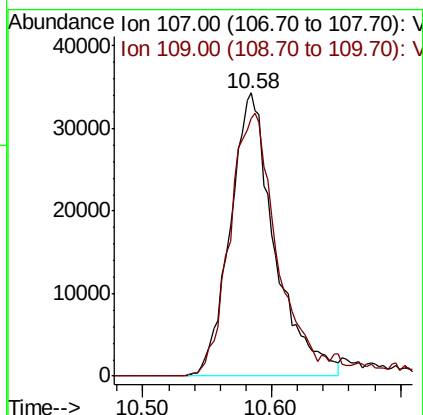
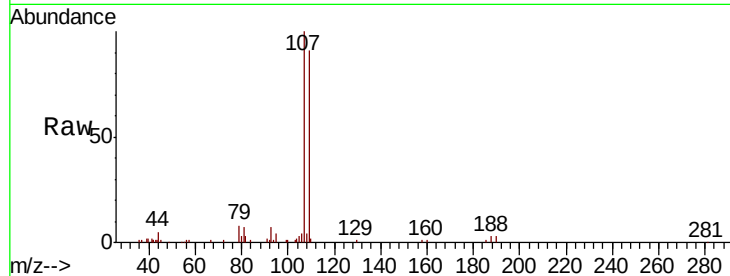




#54
 1,2-Dibromoethane
 Concen: 0.456 ppbv
 RT: 10.58 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

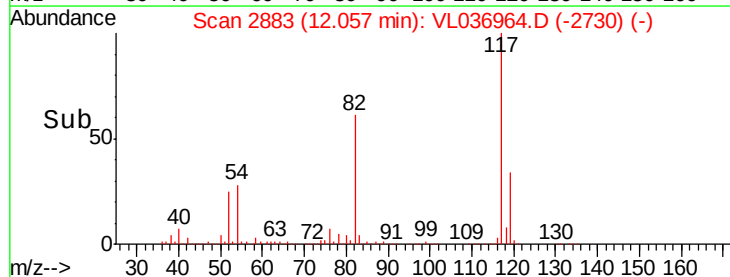
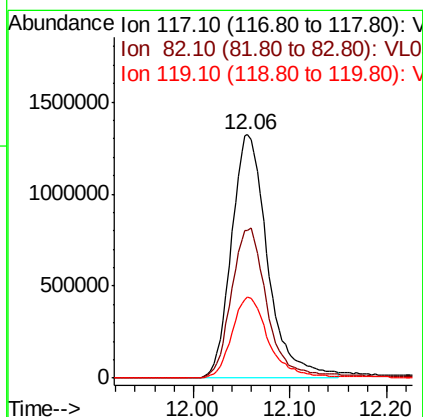
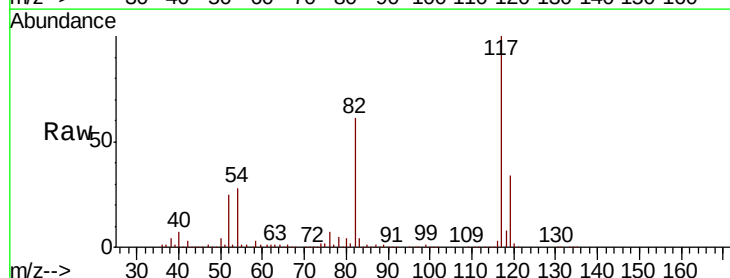
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

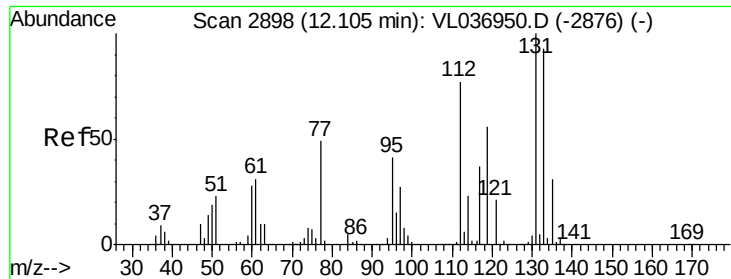
Tot Ion:107 Resp: 82198
 Ion Ratio Lower Upper
 107 100
 109 90.6 75.0 112.4



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2883
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion:117 Resp: 3444027
 Ion Ratio Lower Upper
 117 100
 82 63.0 52.6 79.0
 119 35.1 46.6 70.0#

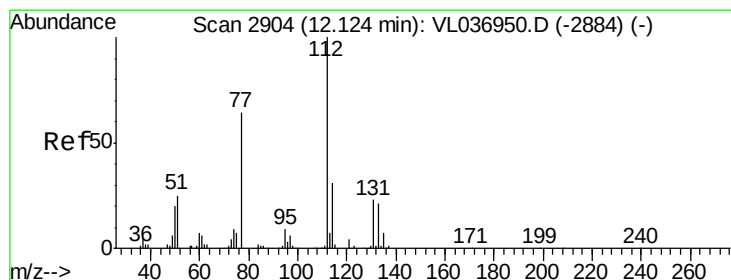
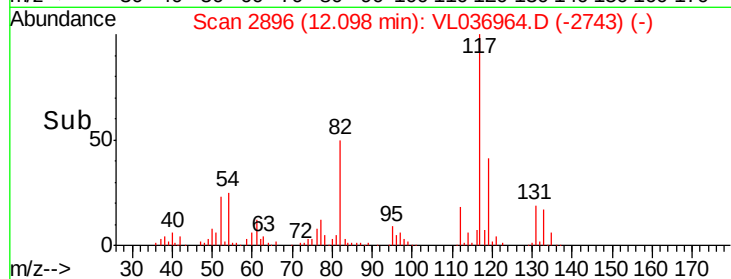
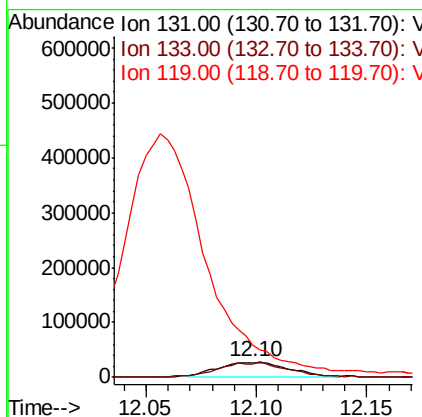
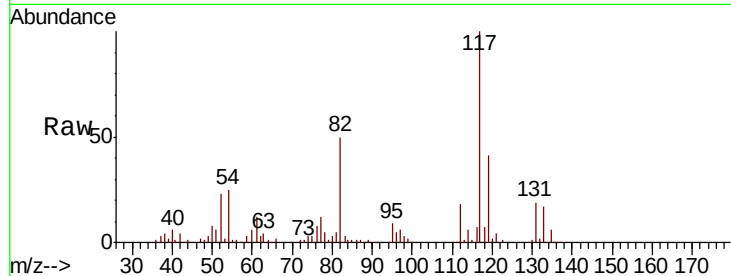




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.413 ppbv
 RT: 12.10 min Scan# 2896
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

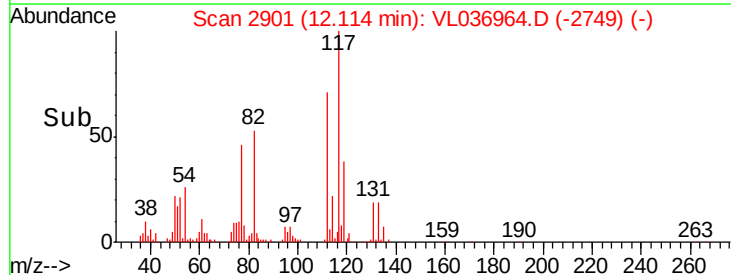
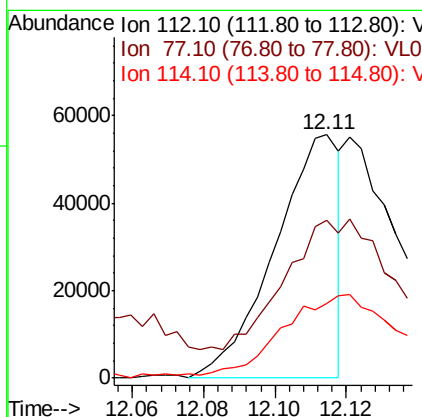
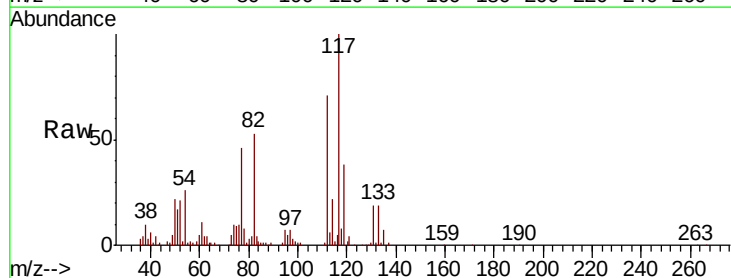
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

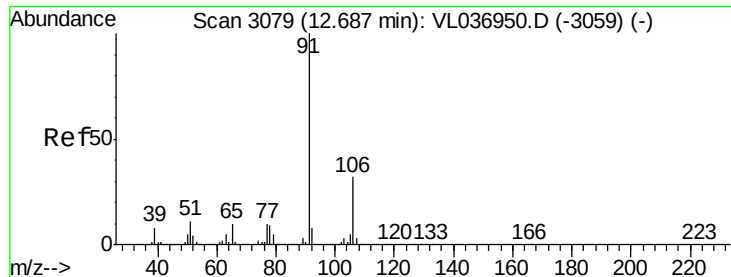
Tot Ion:131 Resp: 59834
 Ion Ratio Lower Upper
 131 100
 133 105.4 76.9 115.3
 119 0.0 120.2 180.4#



#57
 Chlorobenzene
 Concen: 0.262 ppbv
 RT: 12.11 min Scan# 2901
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion:112 Resp: 70009
 Ion Ratio Lower Upper
 112 100
 77 52.0 51.0 76.6
 114 29.4 28.3 34.5

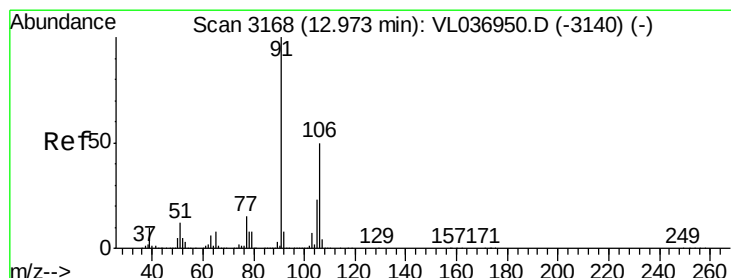
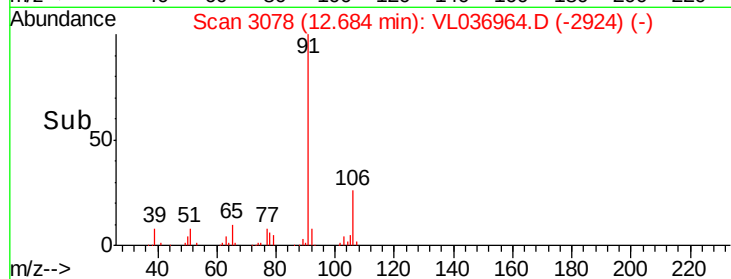
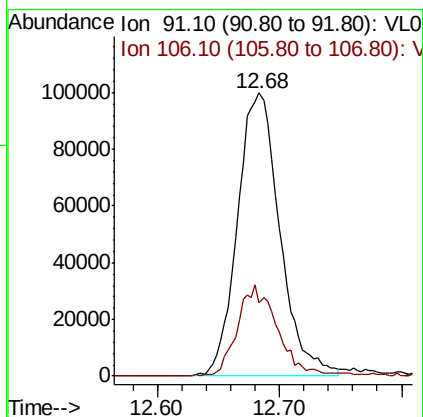
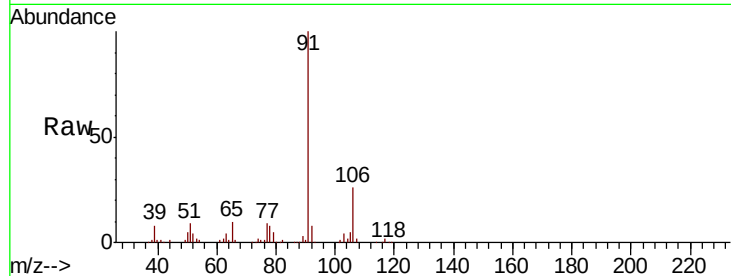




#58
Ethyl Benzene
Concen: 0.493 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

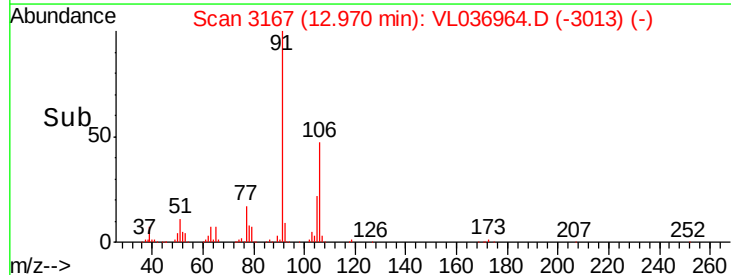
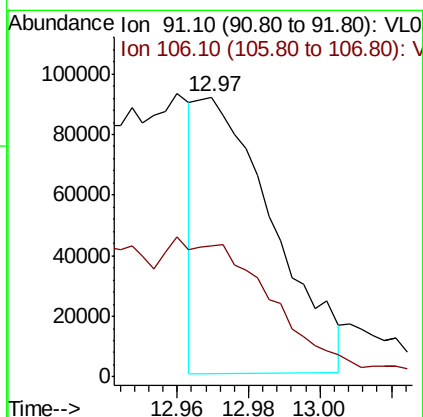
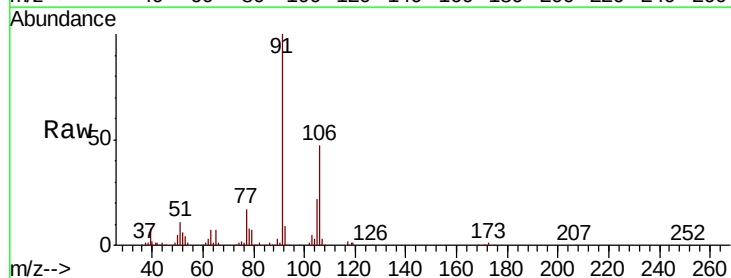
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

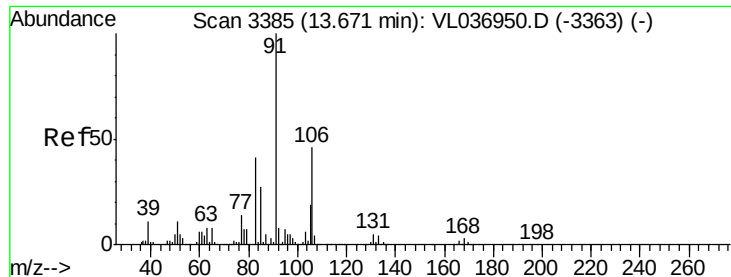
Tot Ion: 91 Resp: 239516
Ion Ratio Lower Upper
91 100
106 26.1 25.6 38.4



#59
m/p-Xylene
Concen: 0.336 ppbv
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion: 91 Resp: 135196
Ion Ratio Lower Upper
91 100
106 0.0 37.4 56.2#





#60

o-Xylene

Concen: 0.512 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

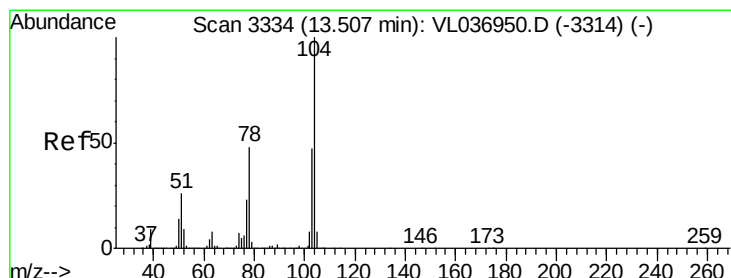
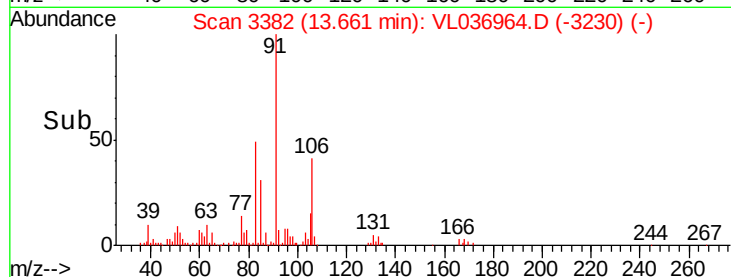
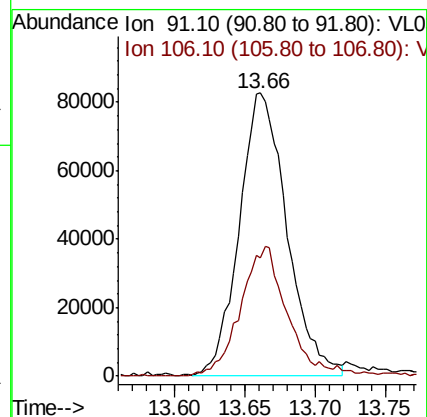
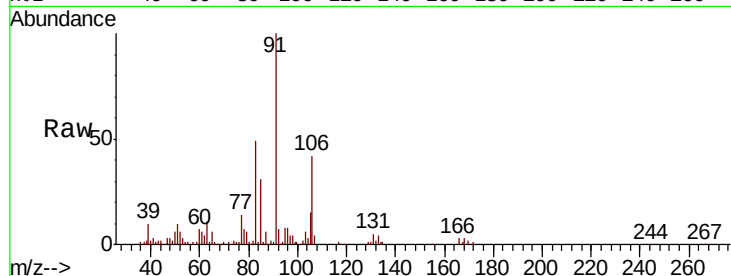
LOD-MDL-AIR-01-QT2-2021

Tot Ion: 91 Resp: 196015

Ion Ratio Lower Upper

91 100

106 46.1 23.4 70.3



#61

Styrene

Concen: 0.224 ppbv

RT: 13.50 min Scan# 3331

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

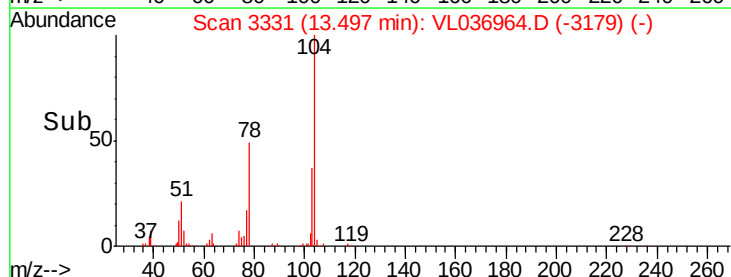
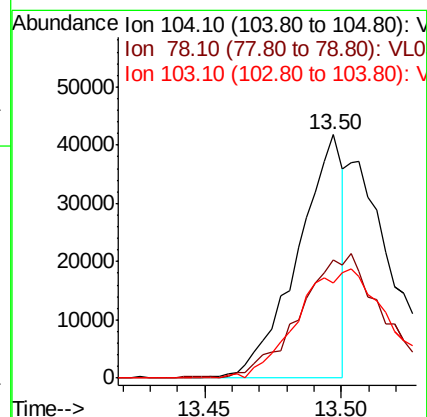
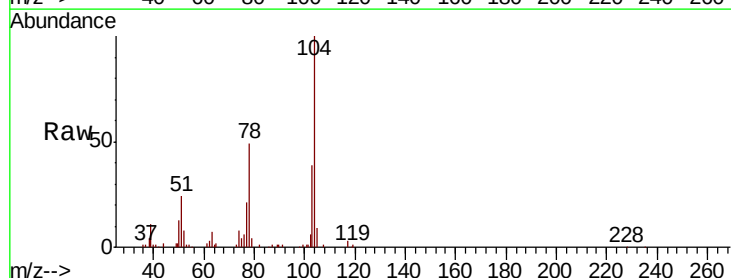
Tgt Ion: 104 Resp: 48269

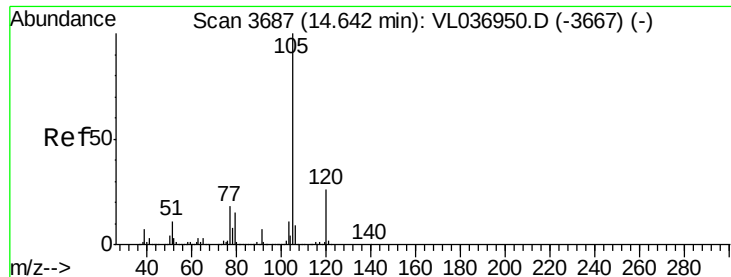
Ion Ratio Lower Upper

104 100

78 0.0 39.0 58.6#

103 0.0 38.0 57.0#





#62

Isopropylbenzene

Concen: 0.499 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

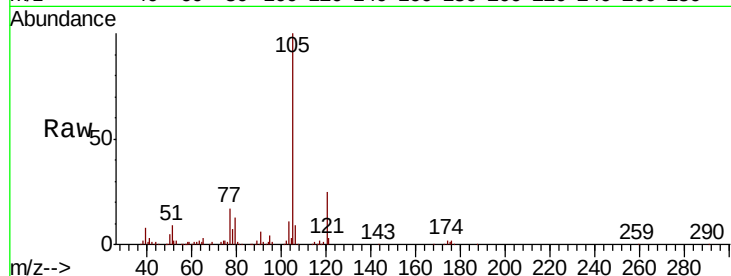
LOD-MDL-AIR-01-QT2-2021

Tot Ion:105 Resp: 275057

Ion Ratio Lower Upper

105 100

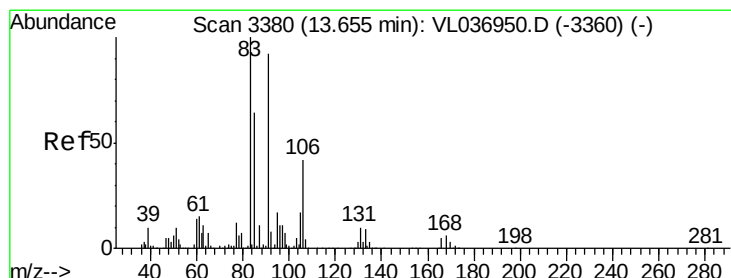
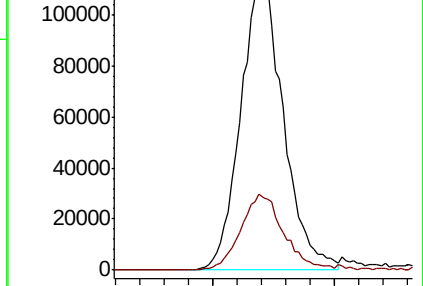
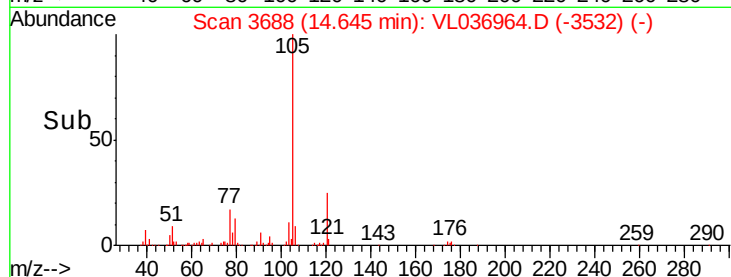
120 27.0 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.64



#63

1,1,2,2-Tetrachloroethane

Concen: 0.425 ppbv

RT: 13.65 min Scan# 3378

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

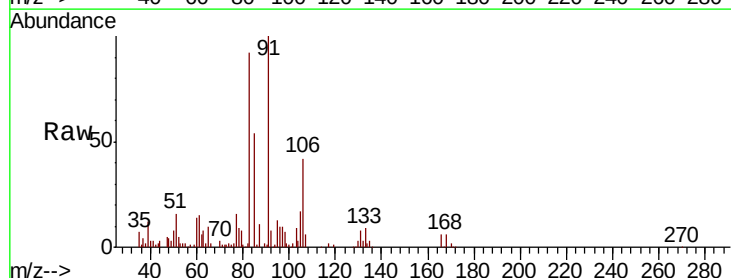
Tgt Ion: 83 Resp: 121533

Ion Ratio Lower Upper

83 100

131 10.8 5.0 15.0

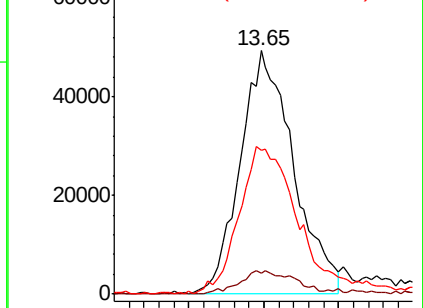
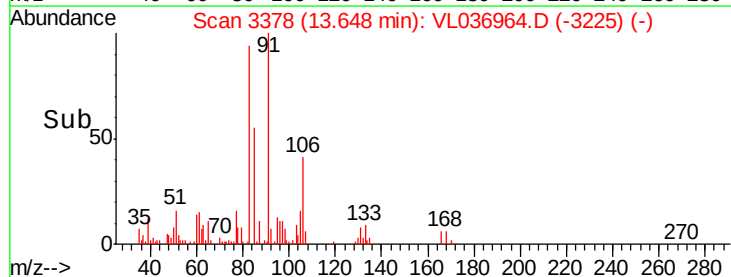
85 69.6 32.9 98.6

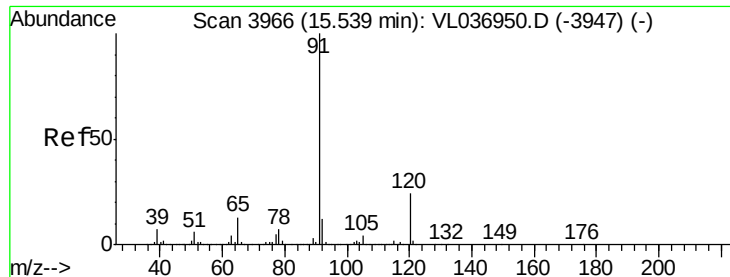


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.211 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

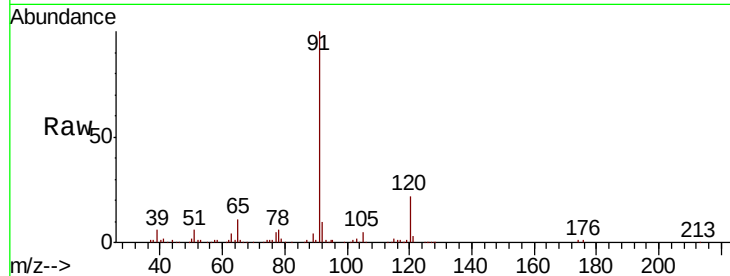
LOD-MDL-AIR-01-QT2-2021

Tot Ion:120 Resp: 30014

Ion Ratio Lower Upper

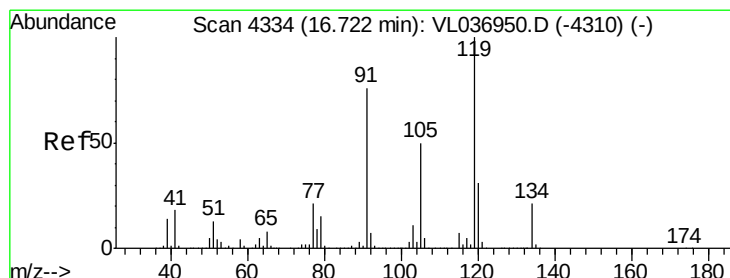
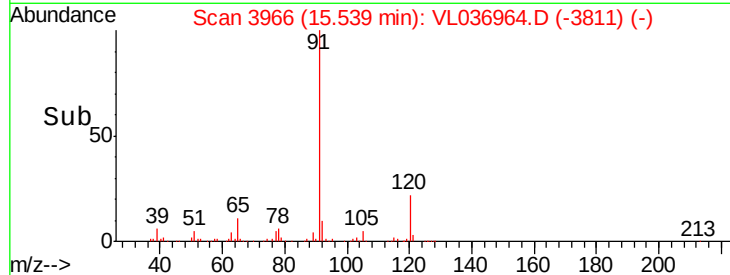
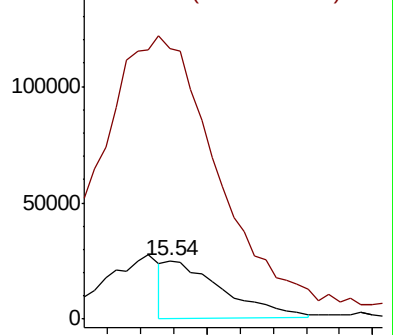
120 100

91 1105.3 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.515 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

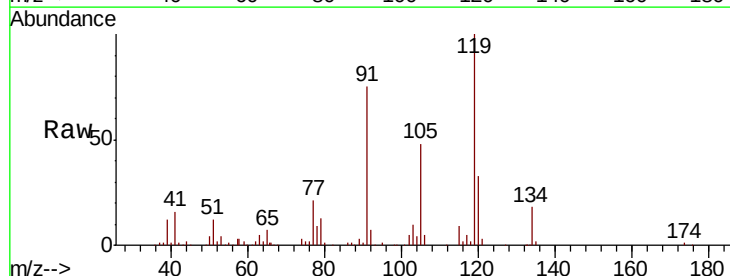
Tgt Ion:119 Resp: 256146

Ion Ratio Lower Upper

119 100

91 78.7 61.9 92.9

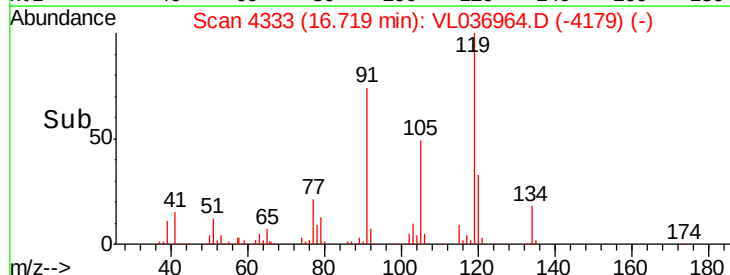
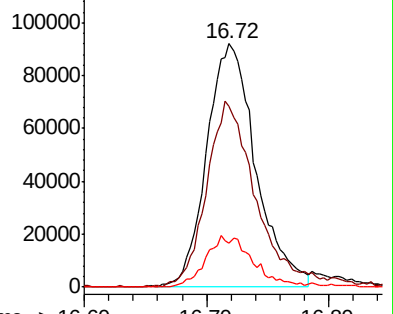
134 20.8 16.2 24.4

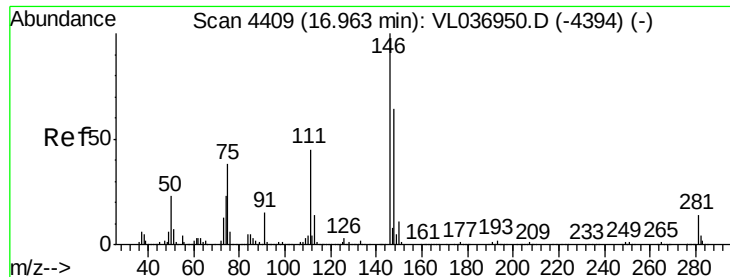


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

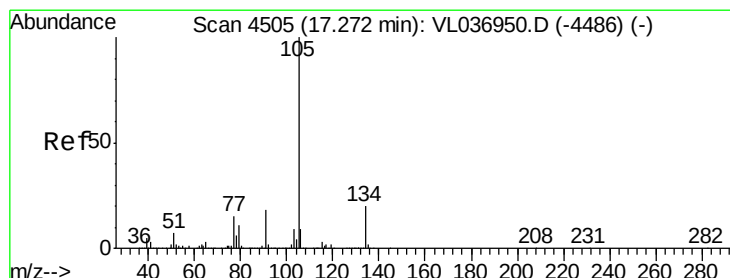
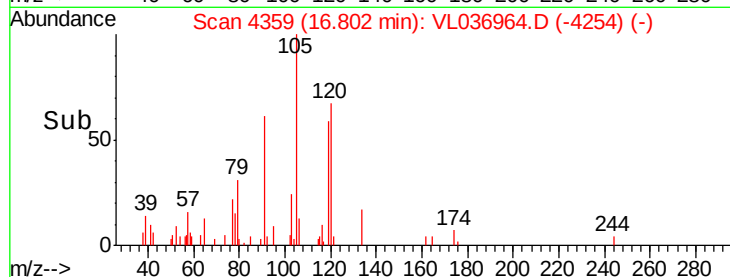
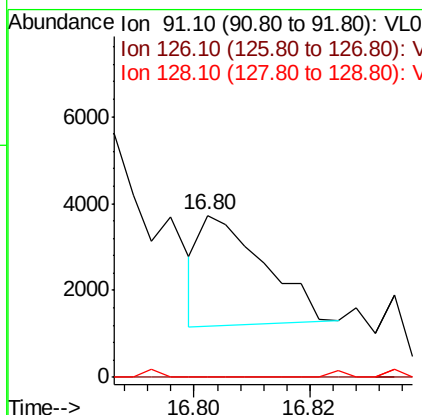
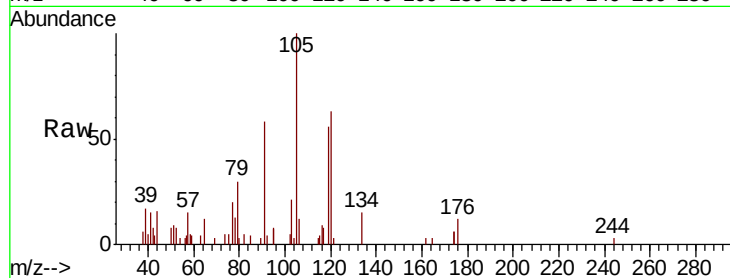




#66
Benzyl Chloride
Concen: 0.070 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. -0.16 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

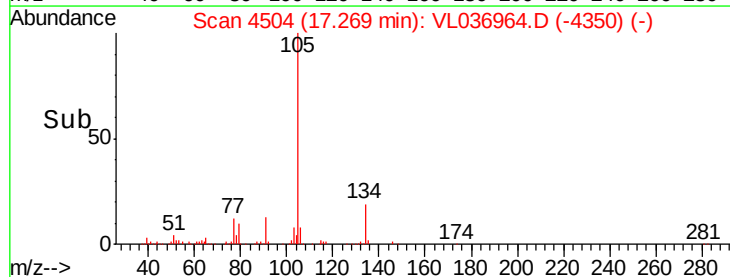
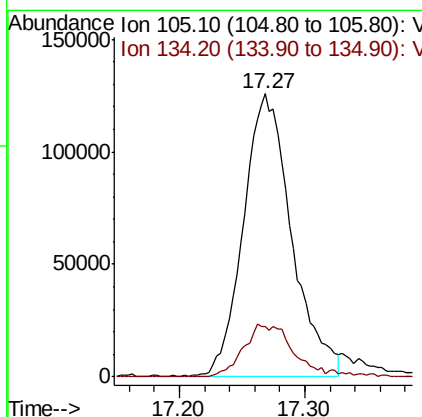
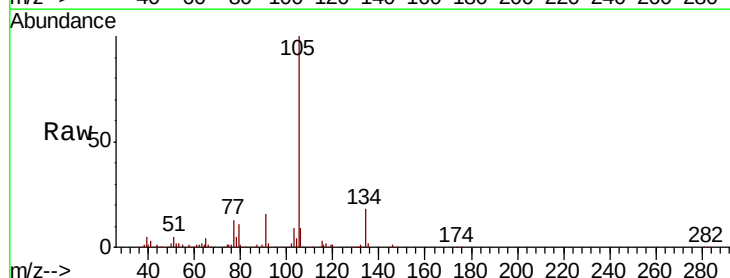
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

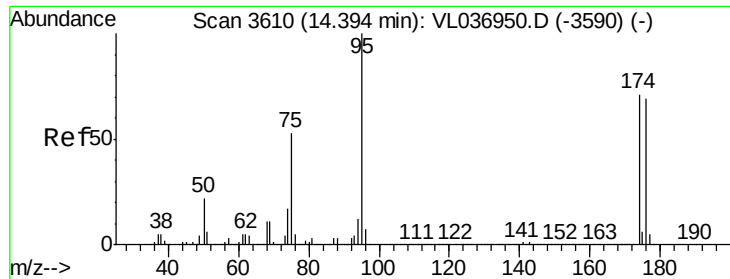
Tot Ion: 91 Resp: 1933
Ion Ratio Lower Upper
91 100
126 0.0 16.5 24.7#
128 1.8 5.5 8.3#



#67
sec-Butylbenzene
Concen: 0.493 ppbv
RT: 17.27 min Scan# 4504
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion: 105 Resp: 334002
Ion Ratio Lower Upper
105 100
134 20.1 15.6 23.4

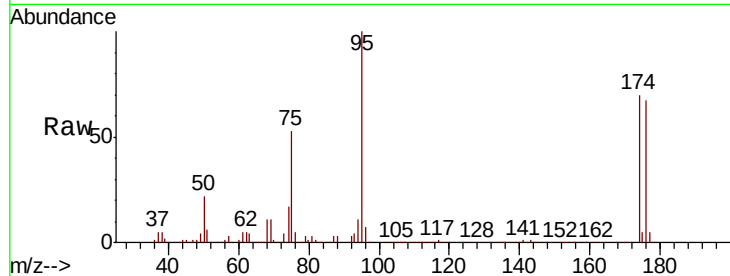




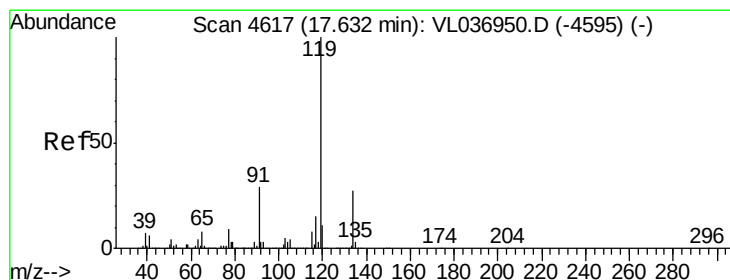
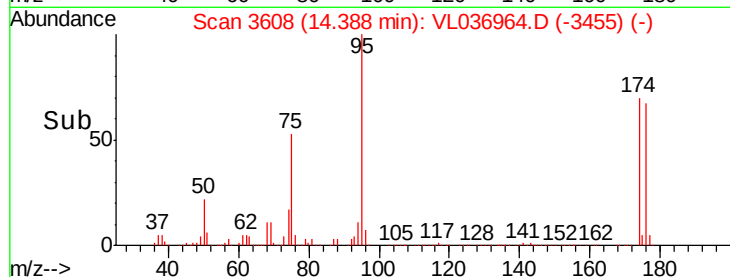
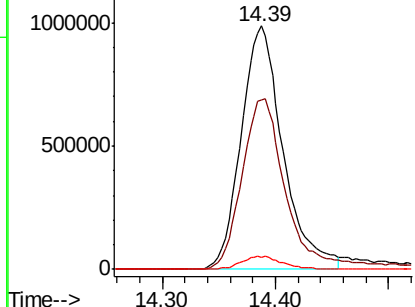
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.786 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2021

Tot Ion: 95 Resp: 2531804
 Ion Ratio Lower Upper
 95 100
 174 77.0 58.4 87.6
 175 5.7 4.4 6.6

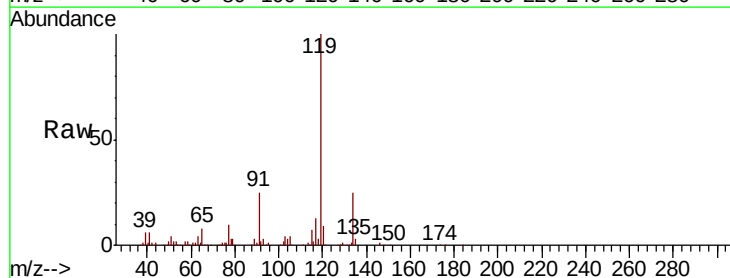


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

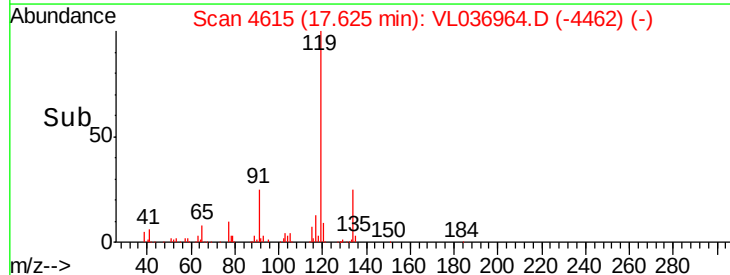
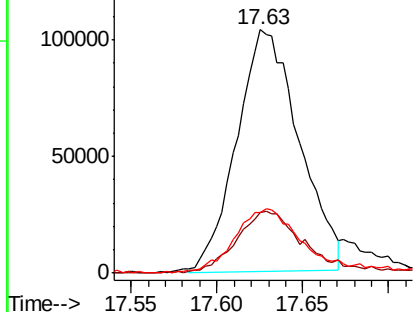


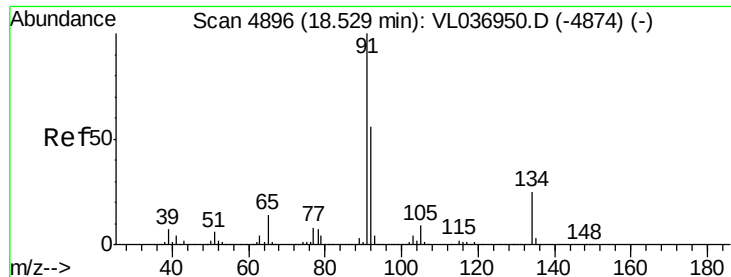
#69
 p-Isopropyltoluene
 Concen: 0.451 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.01 min
 Lab File: VL036964.D
 Acq: 18 May 2021 12:01

Tgt Ion: 119 Resp: 263030
 Ion Ratio Lower Upper
 119 100
 134 28.7 21.2 31.8
 91 30.4 22.2 33.4



Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): VL0





#70

n-Butylbenzene

Concen: 0.460 ppbv

RT: 18.53 min Scan# 4896

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

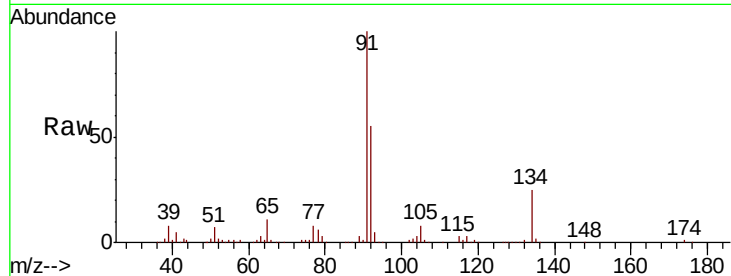
Tot Ion: 91 Resp: 254814

Ion Ratio Lower Upper

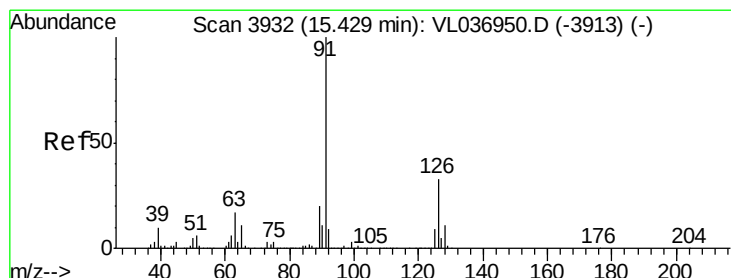
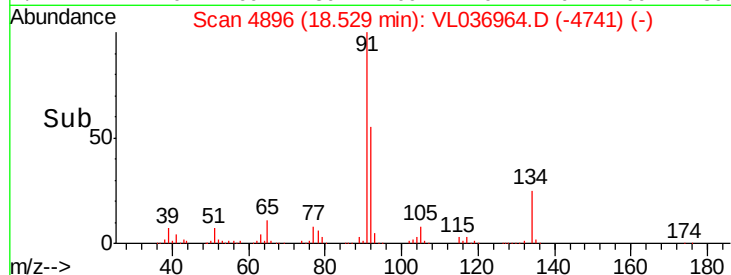
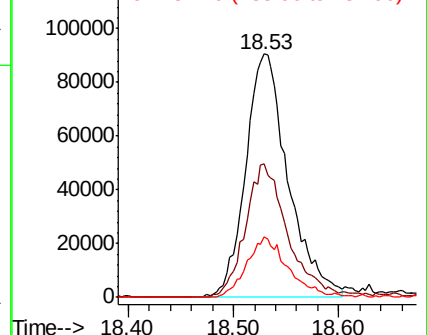
91 100

92 56.1 44.6 66.8

134 24.1 20.2 30.2



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



#71

2-Chlorotoluene

Concen: 0.471 ppbv

RT: 15.42 min Scan# 3930

Delta R.T. -0.01 min

Lab File: VL036964.D

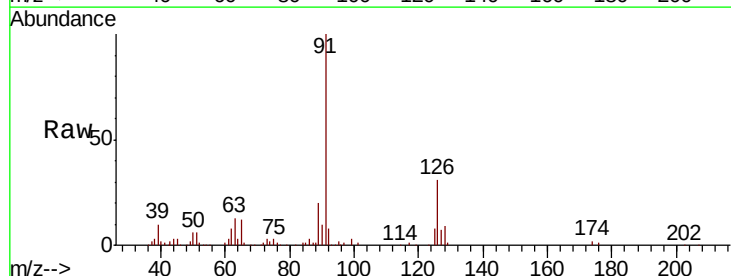
Acq: 18 May 2021 12:01

Tgt Ion: 91 Resp: 187541

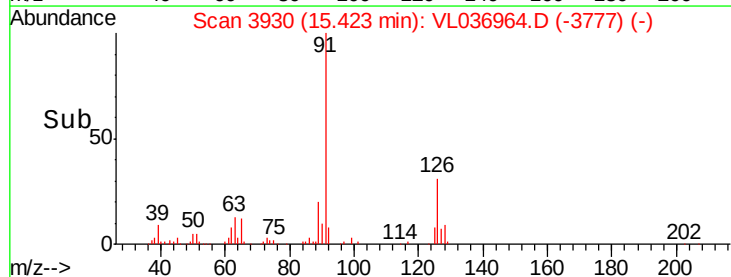
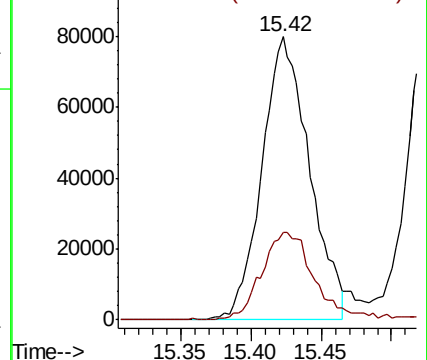
Ion Ratio Lower Upper

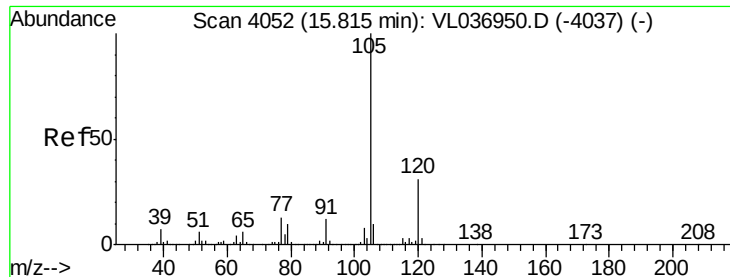
91 100

126 34.3 13.1 52.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 0.453 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:105 Resp: 205923

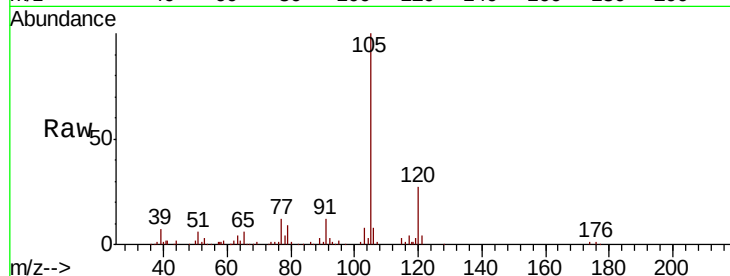
Ion Ratio Lower Upper

105 100

120 32.5 24.6 37.0

91 13.5 9.8 14.6

77 15.6 10.4 15.6

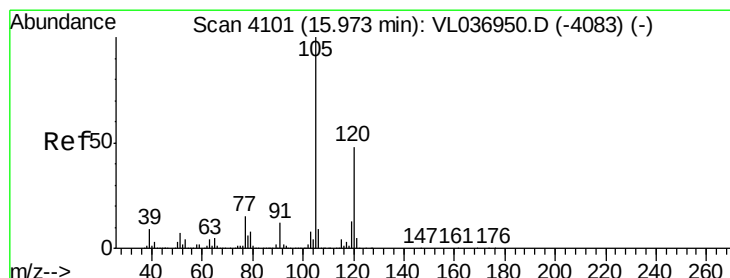
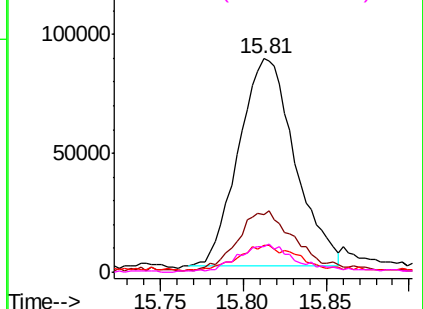
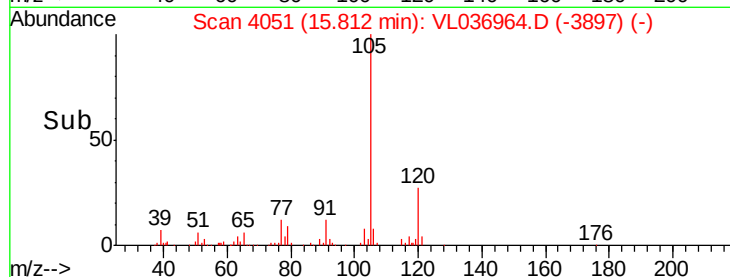


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.441 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL036964.D

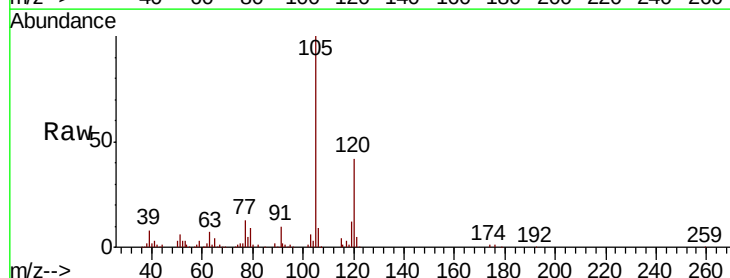
Acq: 18 May 2021 12:01

Tgt Ion:105 Resp: 188436

Ion Ratio Lower Upper

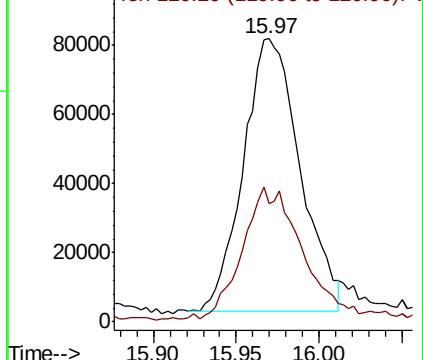
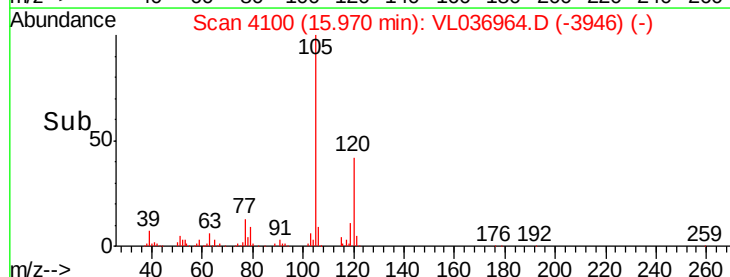
105 100

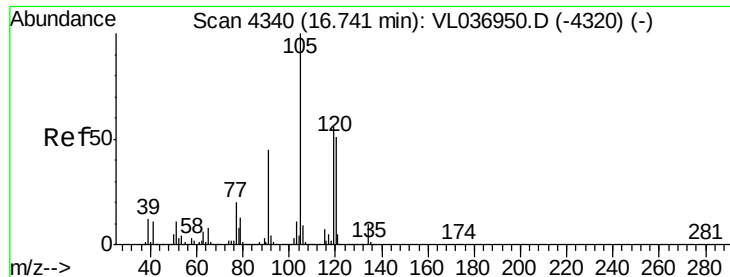
120 41.6 38.6 58.0



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: 0.486 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

Tot Ion:105 Resp: 214545

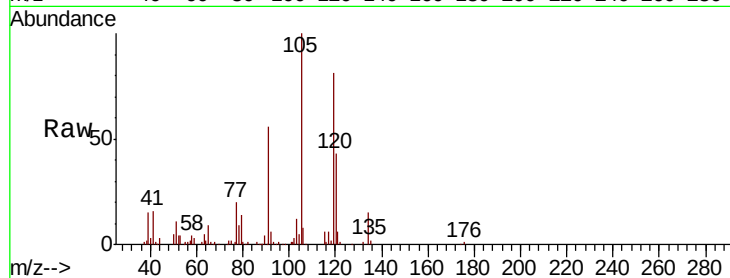
Ion Ratio Lower Upper

105 100

120 42.6 40.6 61.0

91 55.6 37.4 56.0

77 19.9 16.2 24.4

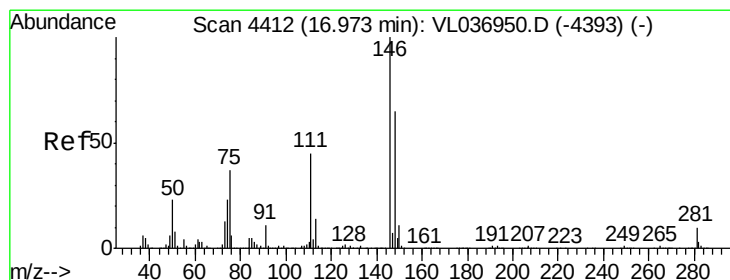
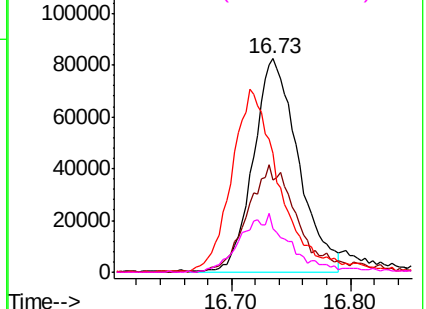
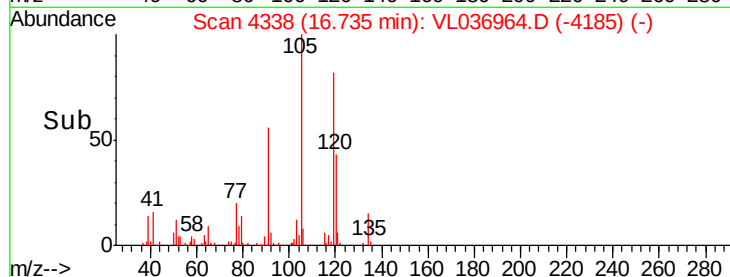


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO



#75

1,3-Dichlorobenzene

Concen: 0.455 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

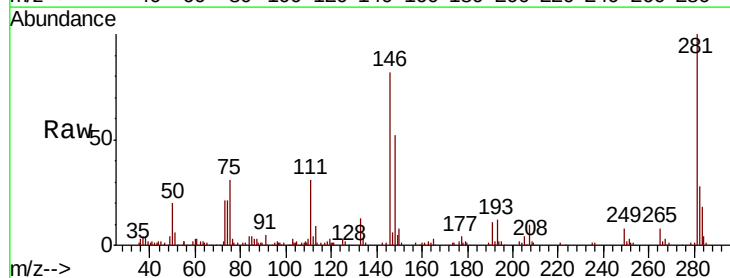
Tgt Ion:146 Resp: 122602

Ion Ratio Lower Upper

146 100

111 48.4 22.2 66.6

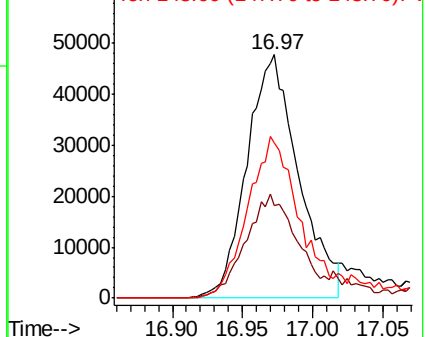
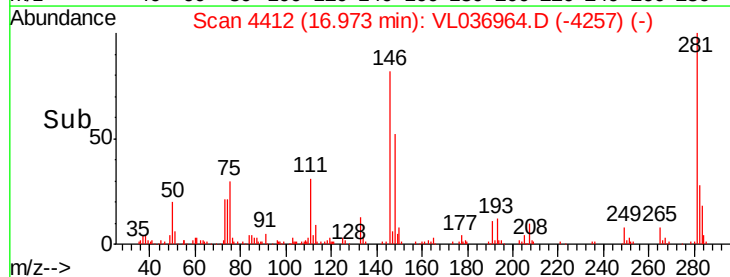
148 72.1 32.3 96.8

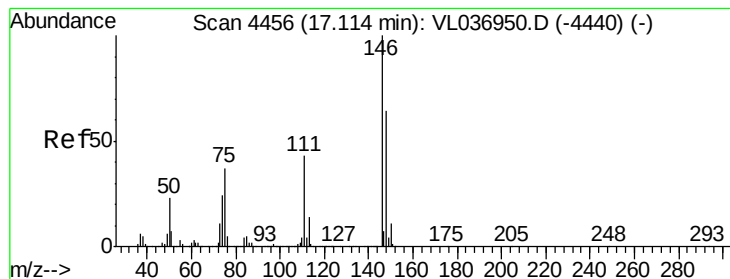


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.434 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

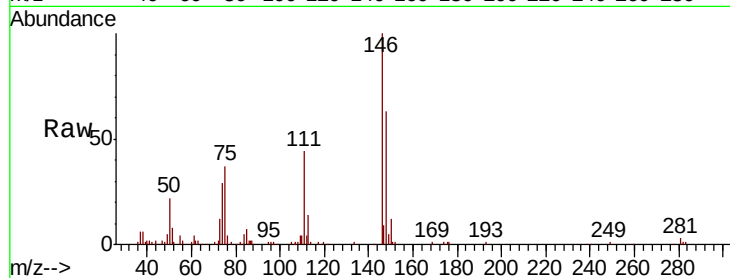
Tot Ion:146 Resp: 118230

Ion Ratio Lower Upper

146 100

111 49.0 22.6 67.7

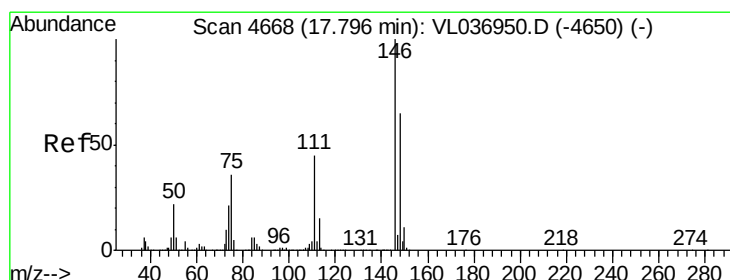
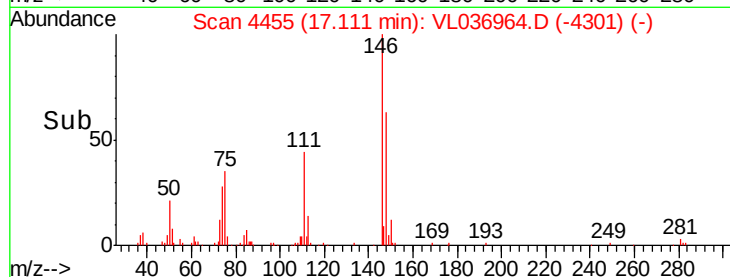
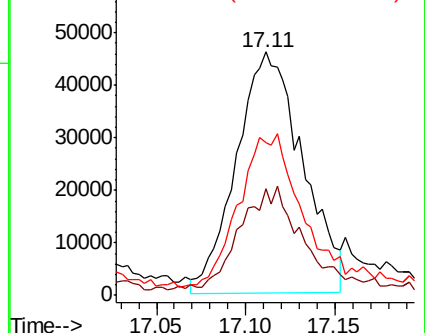
148 80.3 33.5 100.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.405 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

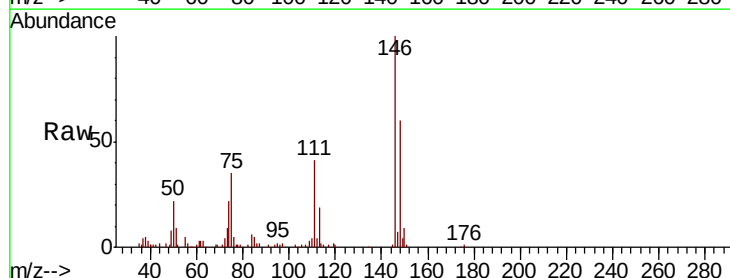
Tgt Ion:146 Resp: 109378

Ion Ratio Lower Upper

146 100

111 55.2 23.1 69.2

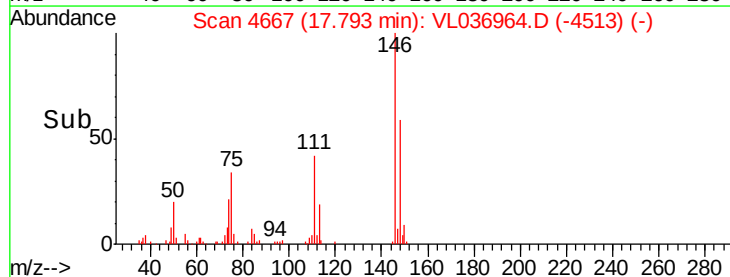
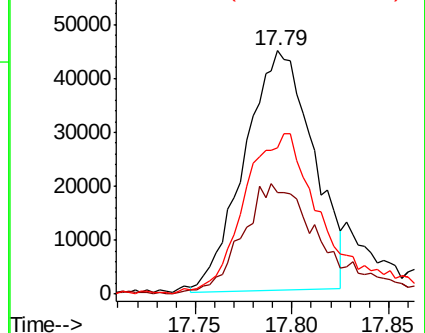
148 78.2 32.5 97.4

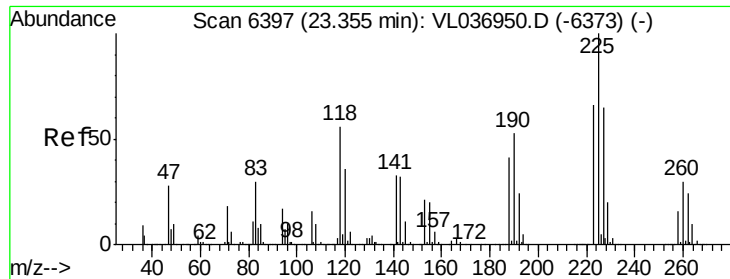


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

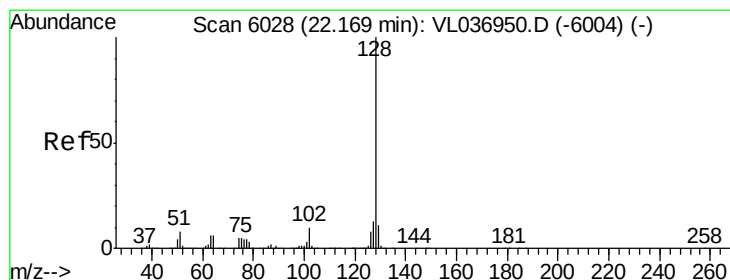
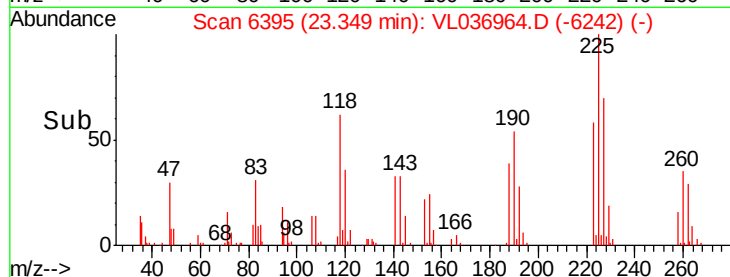
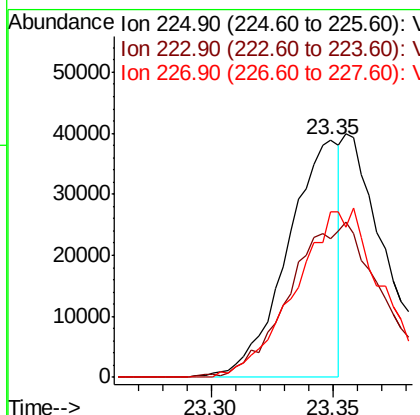
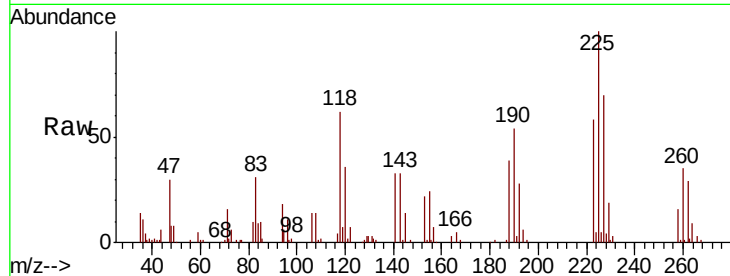




#78
Hexachloro-1,3-Butadiene
Concen: 0.264 ppbv
RT: 23.35 min Scan# 6395
Delta R.T. -0.01 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

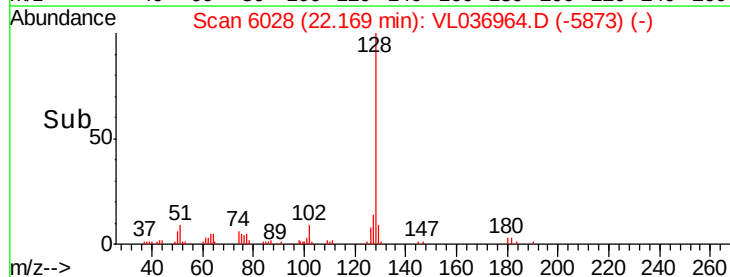
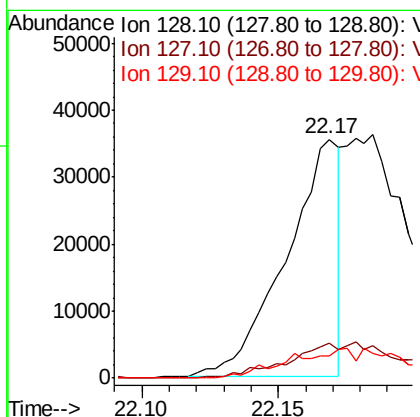
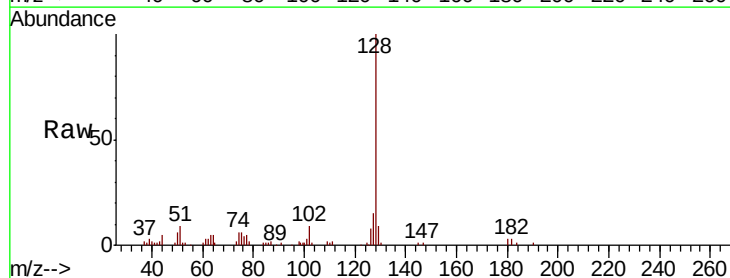
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

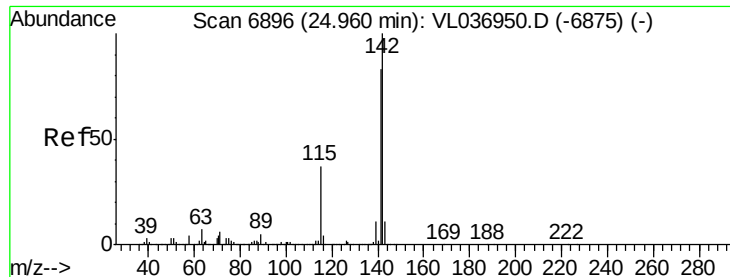
Tot Ion:225 Resp: 57310
Ion Ratio Lower Upper
225 100
223 0.0 51.9 77.9#
227 0.0 51.8 77.6#



#79
Naphthalene
Concen: 0.140 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. -0.00 min
Lab File: VL036964.D
Acq: 18 May 2021 12:01

Tgt Ion:128 Resp: 48427
Ion Ratio Lower Upper
128 100
127 14.9 10.4 15.6
129 9.5 9.0 13.6





#80

Naphthalene, 2-methyl-

Concen: 0.181 ppbv

RT: 25.05 min Scan# 6923

Delta R.T. 0.09 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2021

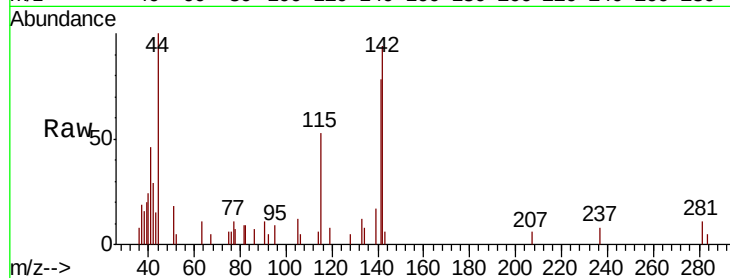
Tot Ion:142 Resp: 13654

Ion Ratio Lower Upper

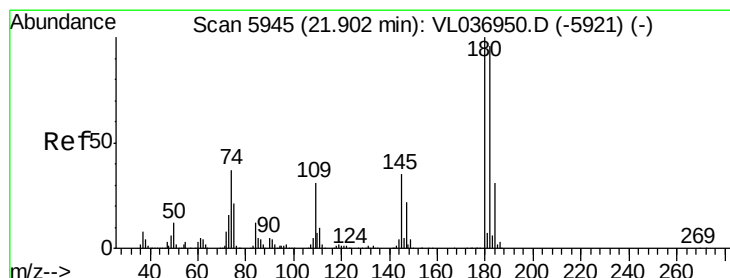
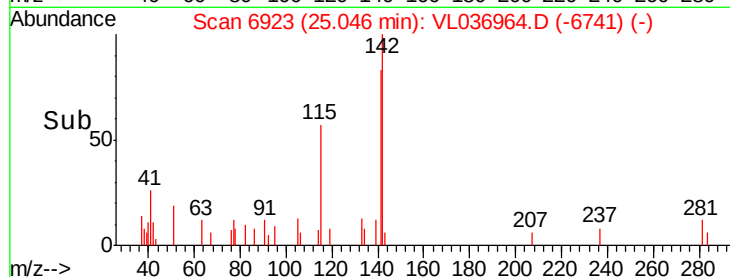
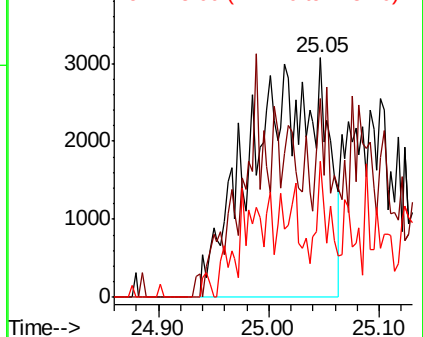
142 100

141 33.1 69.3 103.9#

115 22.8 29.1 43.7#



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



#81

1,2,4-Trichlorobenzene

Concen: 0.188 ppbv

RT: 21.90 min Scan# 5944

Delta R.T. -0.00 min

Lab File: VL036964.D

Acq: 18 May 2021 12:01

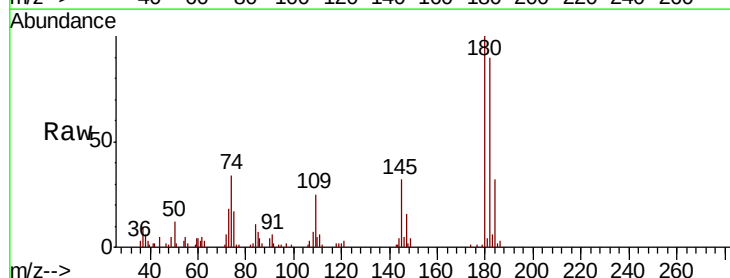
Tgt Ion:180 Resp: 39710

Ion Ratio Lower Upper

180 100

182 202.2 81.7 122.5#

184 0.0 24.9 37.3#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V

