

Data File : VL034858.D
Acq On : 10 Mar 2020 3:43
Operator : SY/AP
Sample : L1161-13 0.4 LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Quant Time: Mar 10 09:41:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	866823	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1974911	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	1946424	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1574912	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	70087	0.590	ppbv	98
3) Chlorodifluoromethane	2.95	51	43492	0.449	ppbv	99
4) Chloromethane	3.10	50	24516	0.448	ppbv	92
5) Vinyl Chloride	3.22	62	21331	0.405	ppbv	95
6) Bromomethane	3.44	94	14417	0.471	ppbv	81
7) Chloroethane	3.52	64	6424	0.338	ppbv	90
8) Dichlorotetrafluoroethane	3.15	85	58568	0.475	ppbv	91
9) Propene	2.97	41	19230	0.416	ppbv	100
10) Heptane	8.12	43	41396	0.364	ppbv	94
11) Trichlorofluoromethane	3.92	101	56551	0.448	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.47	101	40173	0.455	ppbv	99
13) Ethanol	3.58	45	4677	0.333	ppbv #	53
14) Bromoethene	3.71	108	15727	0.412	ppbv	91
15) Acetone	3.84	43	50879	0.453	ppbv	93
16) 1,3-Butadiene	3.29	39	20365	0.401	ppbv	94
17) tert-Butyl alcohol	4.29	59	50318	0.465	ppbv	97
18) 1,1-Dichloroethene	4.26	96	16672	0.426	ppbv	92
19) Isopropyl Alcohol	3.96	45	32612	0.460	ppbv #	41
20) Methylene Chloride	4.33	84	5113	0.144	ppbv	93
21) Allyl Chloride	4.38	41	26801	0.371	ppbv	91
22) trans-1,2-Dichloroethene	4.86	96	5778	0.146	ppbv	81
23) Vinyl Acetate	5.06	43	63163	0.381	ppbv #	95
24) 1,1-Dichloroethane	4.99	63	47764	0.429	ppbv #	96
25) Ethyl Acetate	5.67	43	82896	0.414	ppbv	96
26) Hexane	5.67	57	35600	0.413	ppbv	94
27) Carbon Disulfide	4.53	76	32015	0.327	ppbv #	63
28) Methyl tert-Butyl Ether	5.03	73	53739	0.375	ppbv	97
29) Chloroform	5.74	83	57907	0.440	ppbv	99
30) Cyclohexane	7.13	84	18977	0.264	ppbv #	64
31) cis-1,2-Dichloroethene	5.54	61	35553	0.403	ppbv	90
32) 1,1,1-Trichloroethane	6.50	97	51438	0.401	ppbv	95
34) 2-Butanone	5.24	43	55778	0.425	ppbv	97
35) Carbon Tetrachloride	7.02	117	14904	0.121	ppbv	98
36) Benzene	6.89	78	69075	0.392	ppbv #	92
37) 1,2-Dichloroethane	6.29	62	20019	0.202	ppbv #	81
38) Trichloroethene	7.84	130	25132	0.376	ppbv	91
39) 1,2-Dichloropropane	7.61	63	24305	0.348	ppbv #	75
40) 1,4-Dioxane	7.85	88	486	0.018	ppbv #	87
41) Tetrahydrofuran	6.06	42	9812	0.138	ppbv #	37
42) Bromodichloromethane	7.79	83	19556	0.145	ppbv	95
43) Methyl Methacrylate	8.02	69	26023	0.351	ppbv	95

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
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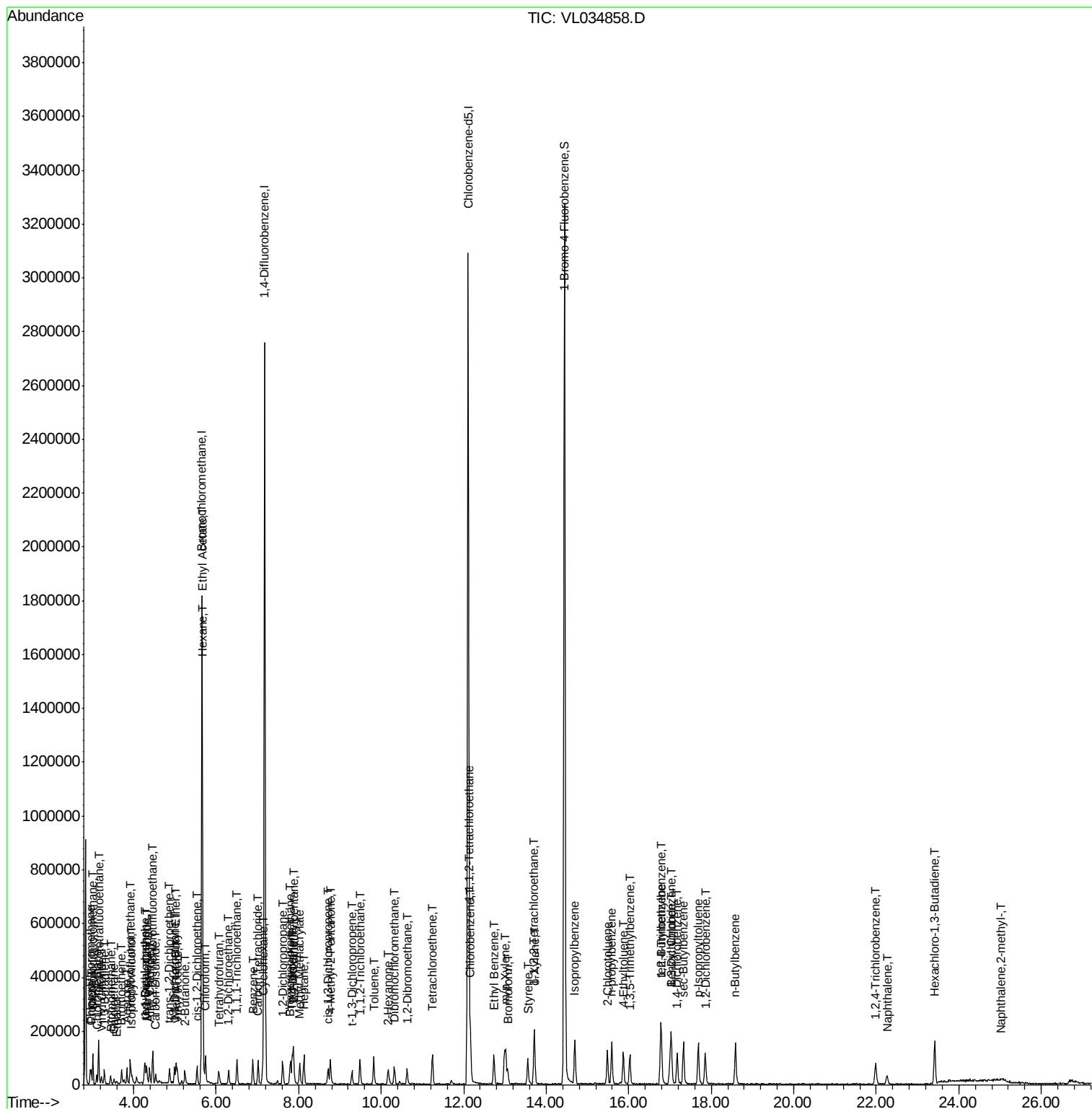
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	110422	0.371	ppbv	96
45) t-1,3-Dichloropropene	9.29	75	26311	0.302	ppbv	91
46) cis-1,3-Dichloropropene	8.71	75	31972	0.309	ppbv	89
47) 1,1,2-Trichloroethane	9.48	97	12923	0.181	ppbv #	82
48) Dibromochloromethane	10.32	129	20362	0.176	ppbv #	10
49) Bromoform	13.07	173	15627	0.151	ppbv #	37
50) 4-Methyl-2-Pentanone	8.77	43	68612	0.363	ppbv	100
51) 2-Hexanone	10.17	43	52576	0.342	ppbv #	96
52) Tetrachloroethene	11.23	164	6008	0.086	ppbv	85
53) Toluene	9.82	91	65780	0.324	ppbv	94
54) 1,2-Dibromoethane	10.63	107	31705	0.294	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	35479	0.406	ppbv #	1
57) Chlorobenzene	12.17	112	65917	0.433	ppbv	89
58) Ethyl Benzene	12.74	91	37603	0.143	ppbv	90
59) m/p-Xylene	13.02	91	42143	0.191	ppbv #	30
60) o-Xylene	13.72	91	84494	0.392	ppbv	100
61) Styrene	13.55	104	15438	0.102	ppbv #	1
62) Isopropylbenzene	14.69	105	132898	0.408	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.71	83	33268	0.227	ppbv #	25
64) n-propylbenzene	15.59	120	22585	0.266	ppbv #	1
65) tert-Butylbenzene	16.77	119	59648	0.209	ppbv #	27
66) Benzyl Chloride	17.02	91	13832	0.116	ppbv #	64
67) sec-Butylbenzene	17.33	105	146970	0.372	ppbv	97
69) p-Isopropyltoluene	17.69	119	110560	0.334	ppbv	96
70) n-Butylbenzene	18.59	91	116691	0.345	ppbv	99
71) 2-Chlorotoluene	15.49	91	40474	0.164	ppbv #	32
72) 4-Ethyltoluene	15.87	105	55192	0.217	ppbv #	70
73) 1,3,5-Trimethylbenzene	16.03	105	15371	0.064	ppbv	88
74) 1,2,4-Trimethylbenzene	16.79	105	87830	0.358	ppbv #	86
75) 1,3-Dichlorobenzene	17.04	146	64439	0.435	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	23426	0.159	ppbv #	1
77) 1,2-Dichlorobenzene	17.85	146	39482	0.275	ppbv #	54
78) Hexachloro-1,3-Butadiene	23.42	225	12275	0.102	ppbv #	1
79) Naphthalene	22.25	128	14768	0.077	ppbv #	87
80) Naphthalene,2-methyl-	25.01	142	1714	0.034	ppbv #	25
81) 1,2,4-Trichlorobenzene	21.98	180	7228	0.059	ppbv #	12

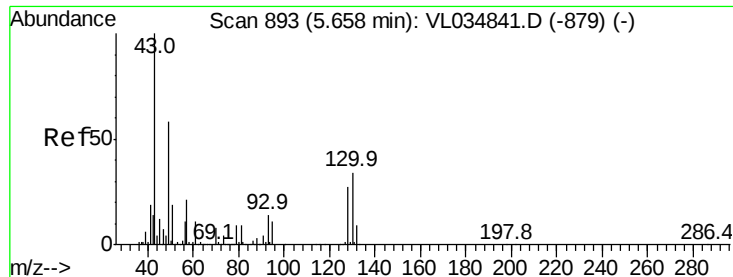
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

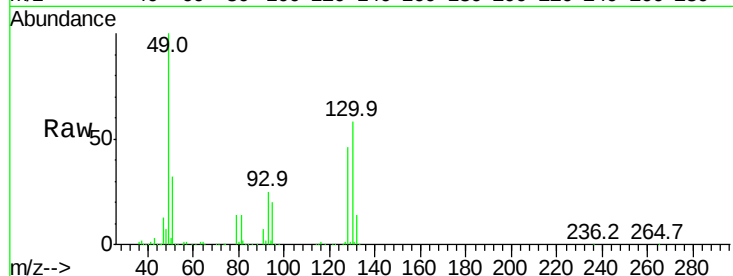
Tgt Ion: 49 Resp: 866823

Ion Ratio Lower Upper

49 100

128 46.6 23.4 70.3

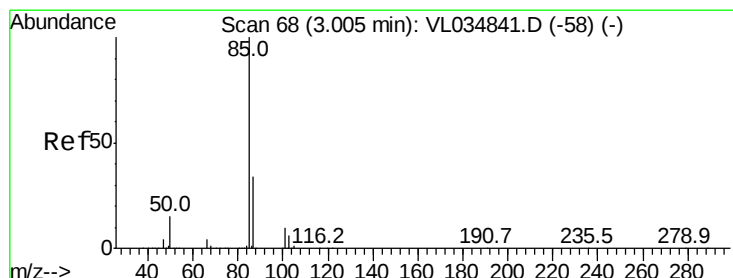
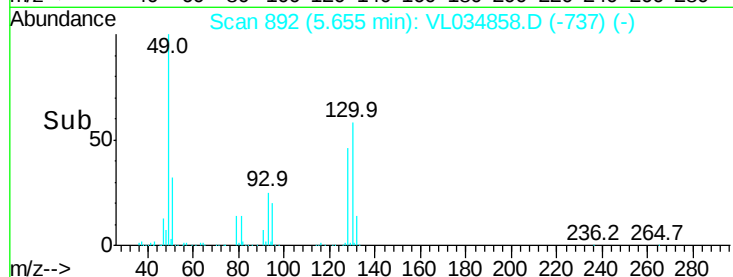
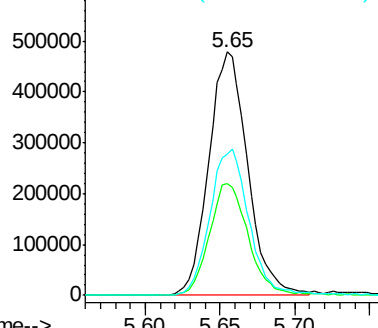
130 60.9 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.590 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL034858.D

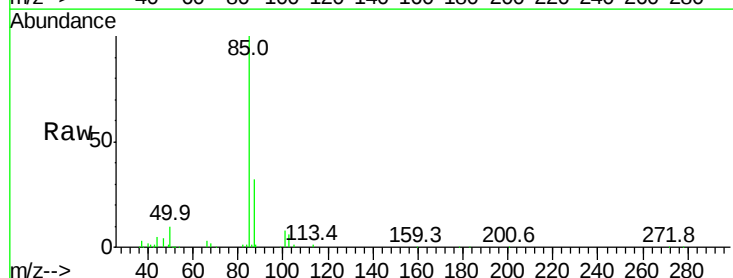
Acq: 10 Mar 2020 3:43

Tgt Ion: 85 Resp: 70087

Ion Ratio Lower Upper

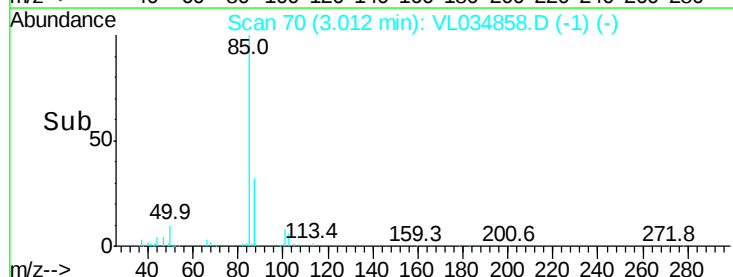
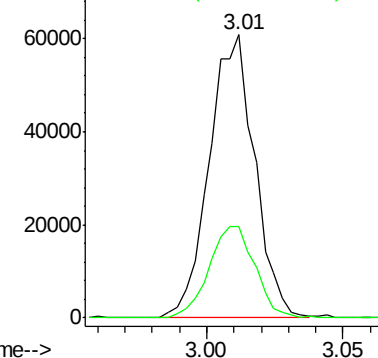
85 100

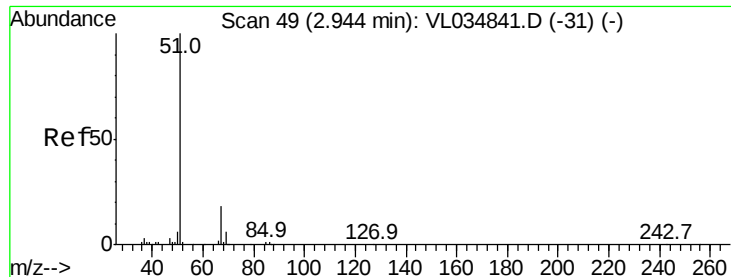
87 32.3 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.449 ppbv

RT: 2.95 min Scan# 51

Delta R.T. 0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

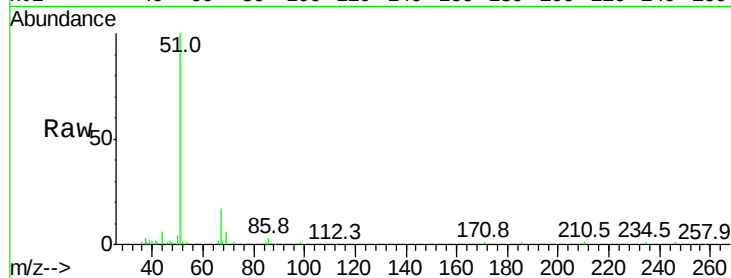
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 51 Resp: 43492

Ion Ratio Lower Upper

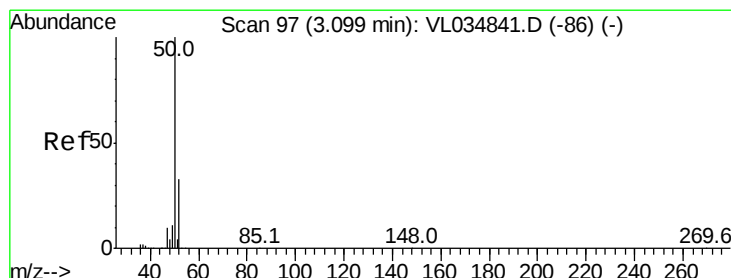
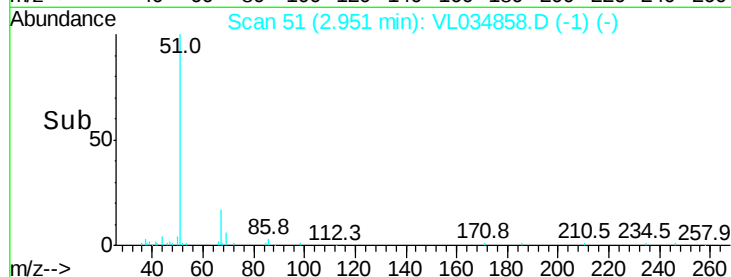
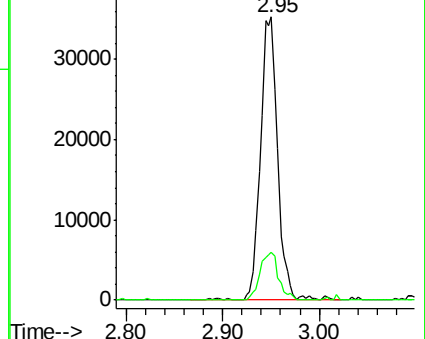
51 100

67 18.4 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.448 ppbv

RT: 3.10 min Scan# 98

Delta R.T. 0.00 min

Lab File: VL034858.D

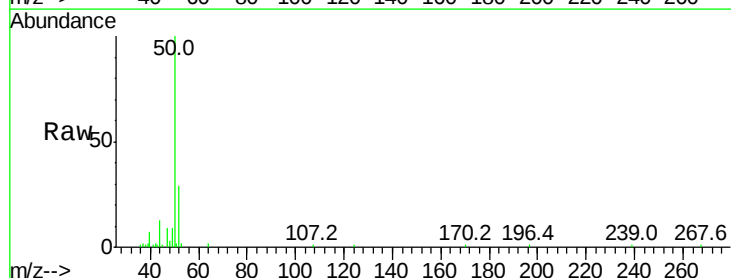
Acq: 10 Mar 2020 3:43

Tgt Ion: 50 Resp: 24516

Ion Ratio Lower Upper

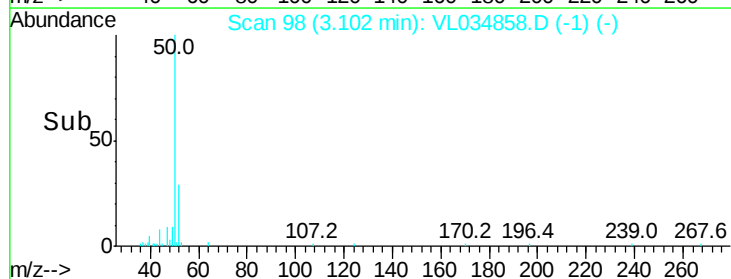
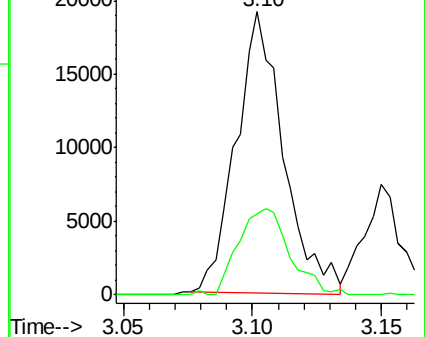
50 100

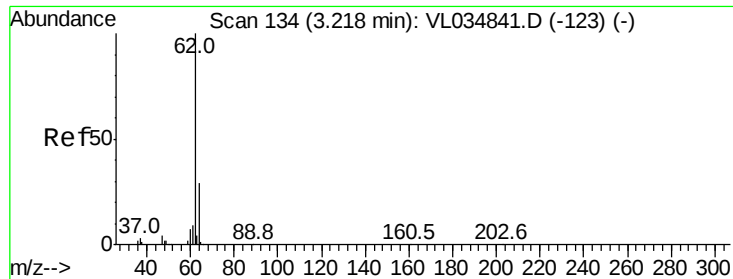
52 28.8 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.405 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

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ClientSampleId :

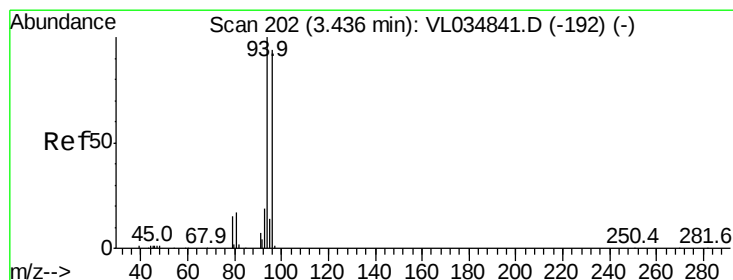
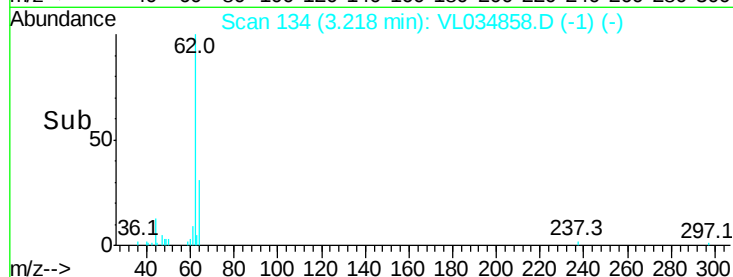
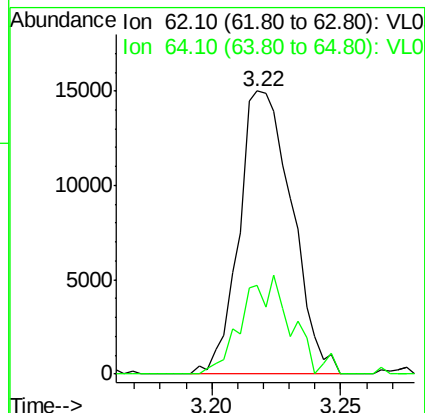
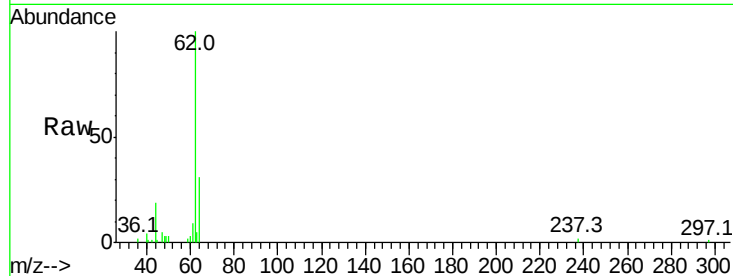
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 62 Resp: 21331

Ion Ratio Lower Upper

62 100

64 31.4 23.0 34.4



#6

Bromomethane

Concen: 0.471 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL034858.D

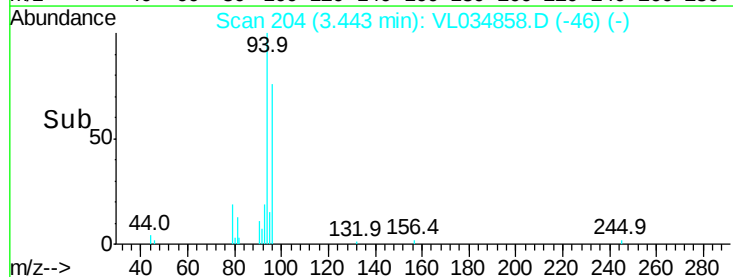
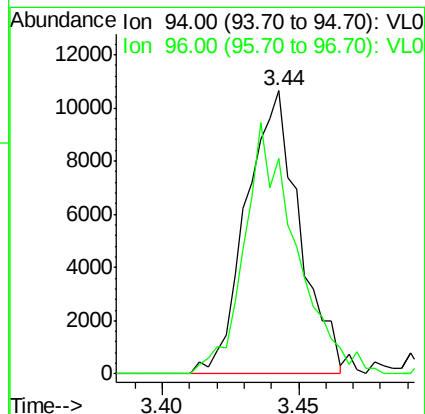
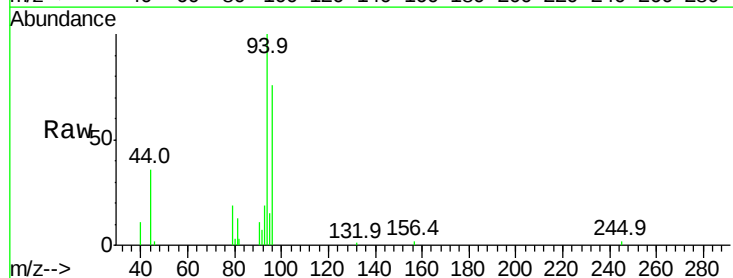
Acq: 10 Mar 2020 3:43

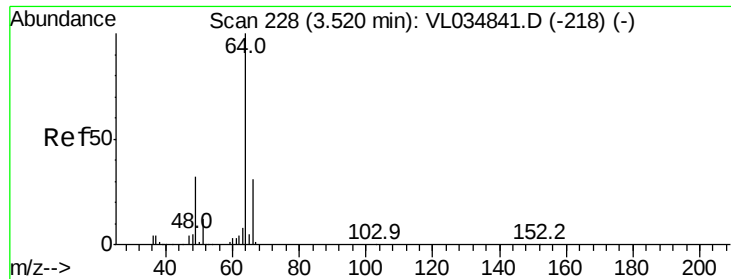
Tgt Ion: 94 Resp: 14417

Ion Ratio Lower Upper

94 100

96 76.2 75.5 113.3





#7

Chloroethane

Concen: 0.338 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

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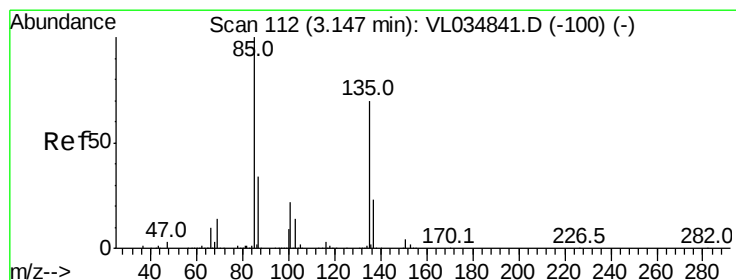
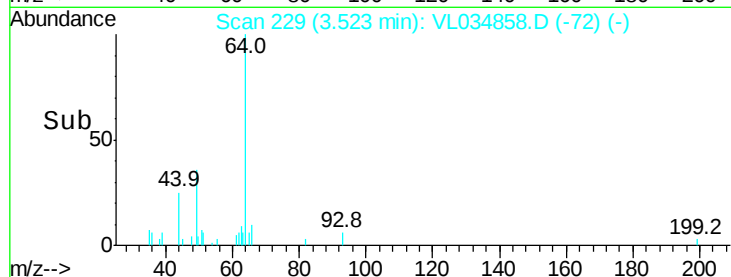
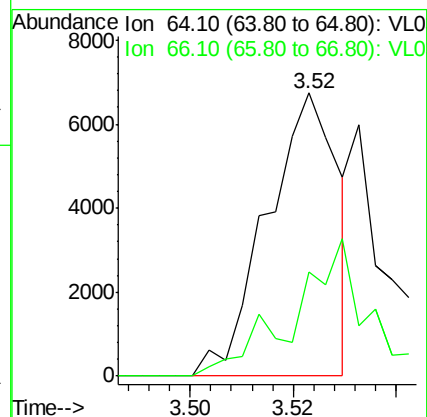
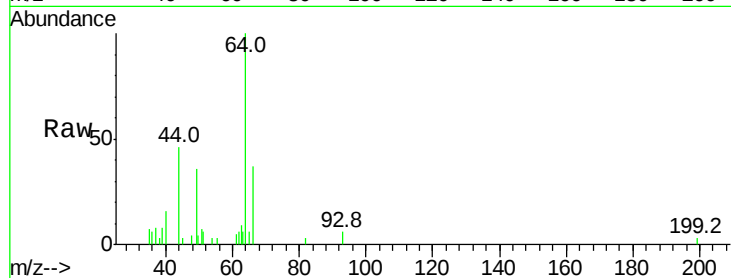
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 64 Resp: 6424

Ion Ratio Lower Upper

64 100

66 36.7 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 0.475 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL034858.D

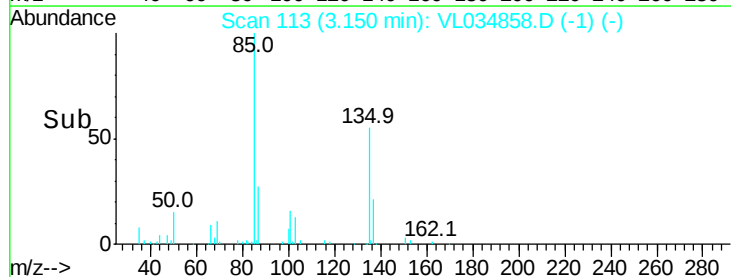
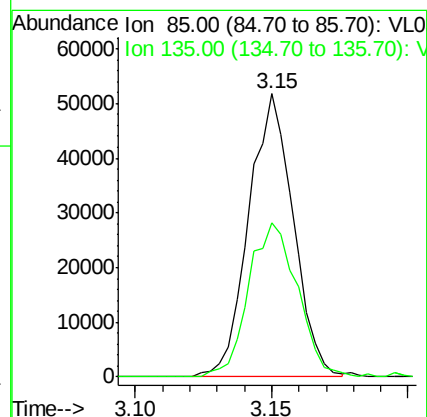
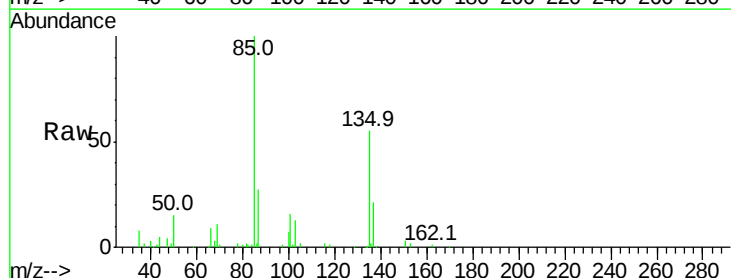
Acq: 10 Mar 2020 3:43

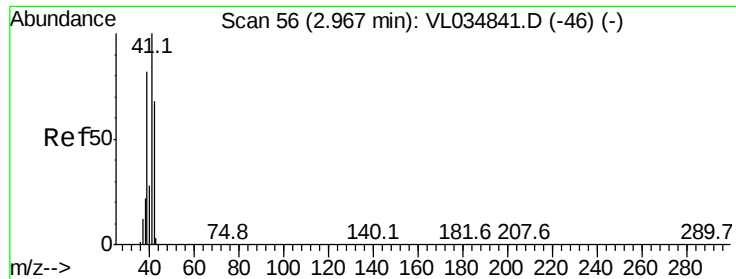
Tgt Ion: 85 Resp: 58568

Ion Ratio Lower Upper

85 100

135 60.3 54.3 81.5





#9

Propene

Concen: 0.416 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

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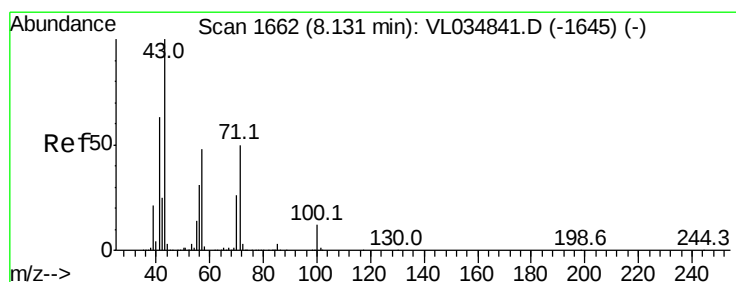
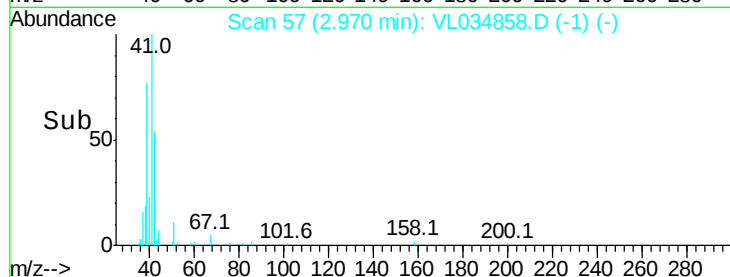
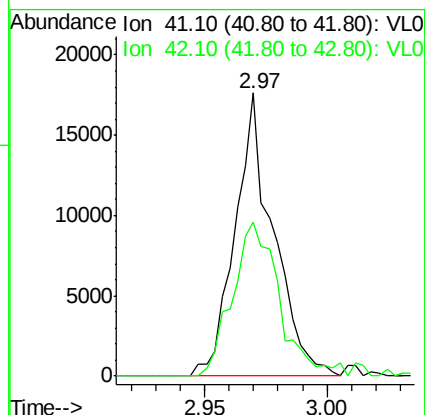
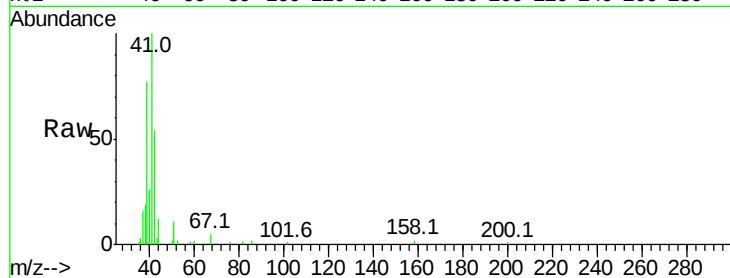
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 41 Resp: 19230

Ion Ratio Lower Upper

41 100

42 68.6 55.2 82.8



#10

Heptane

Concen: 0.364 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

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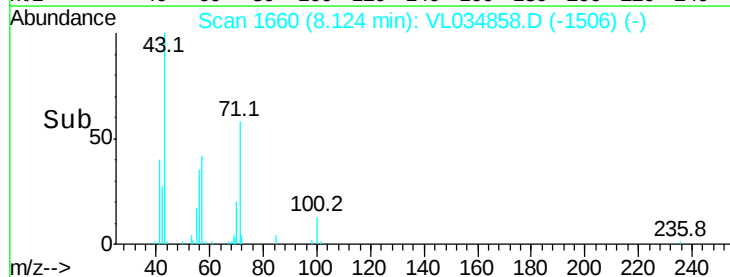
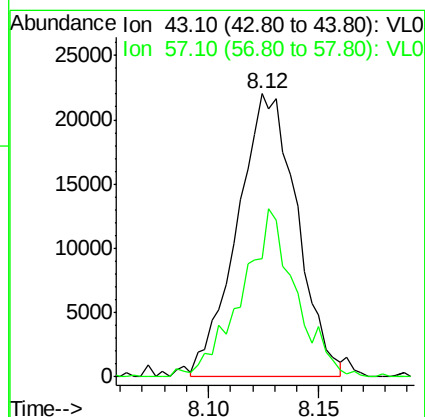
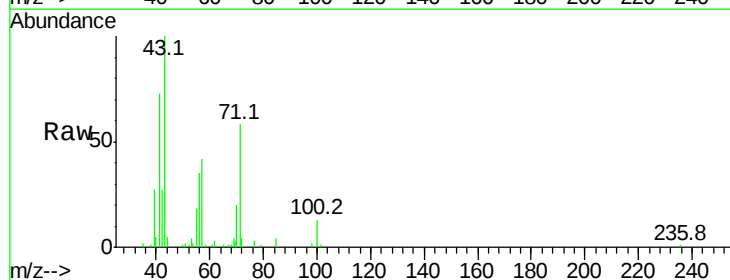
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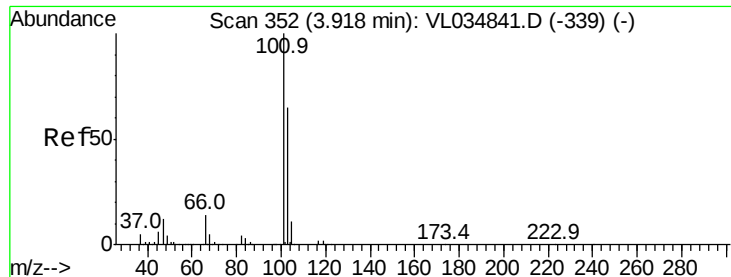
Tgt Ion: 43 Resp: 41396

Ion Ratio Lower Upper

43 100

57 53.6 39.7 59.5

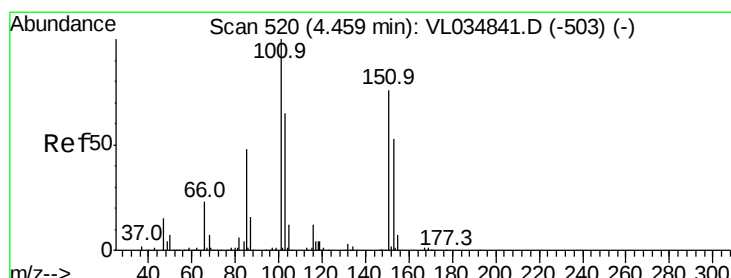
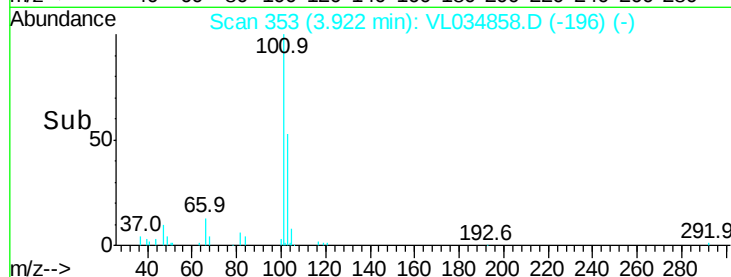
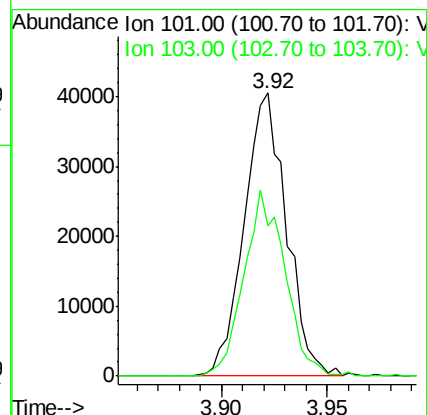
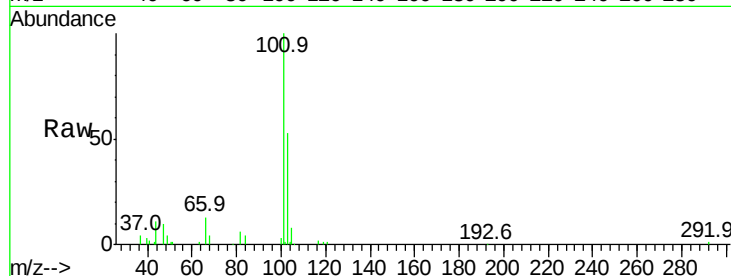




#11
 Trichlorofluoromethane
 Concen: 0.448 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

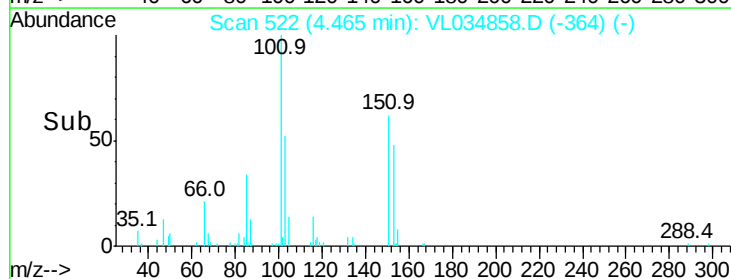
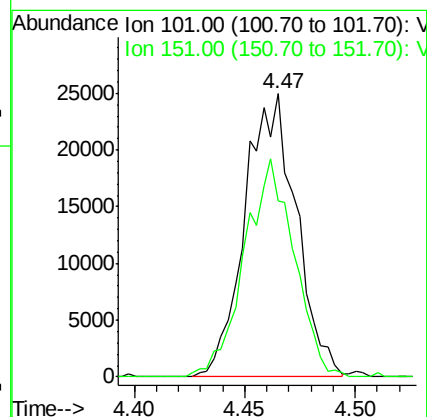
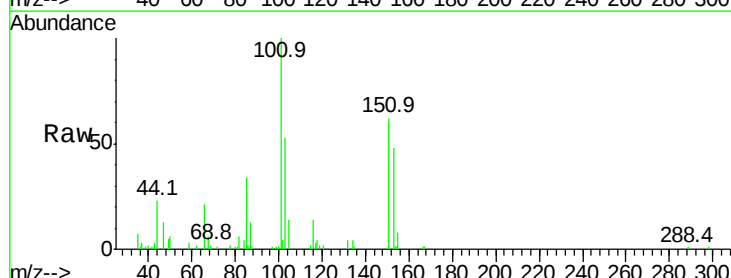
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

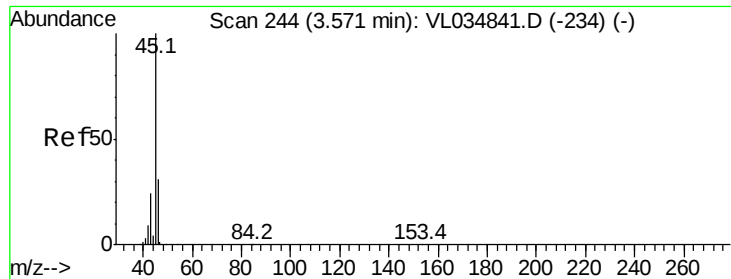
Tgt Ion:101 Resp: 56551
 Ion Ratio Lower Upper
 101 100
 103 53.0 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.455 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion:101 Resp: 40173
 Ion Ratio Lower Upper
 101 100
 151 74.7 60.8 91.2

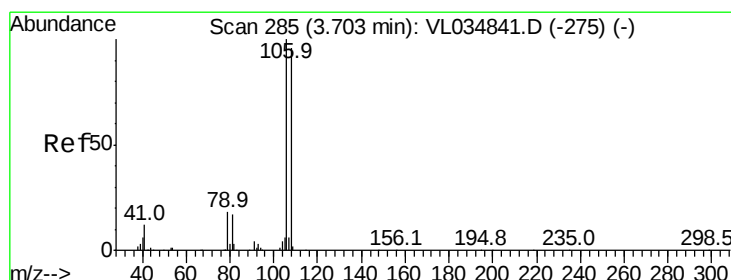
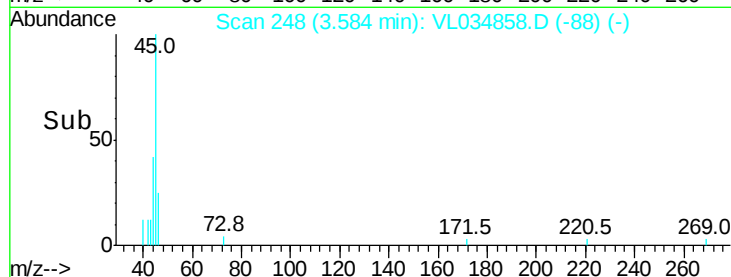
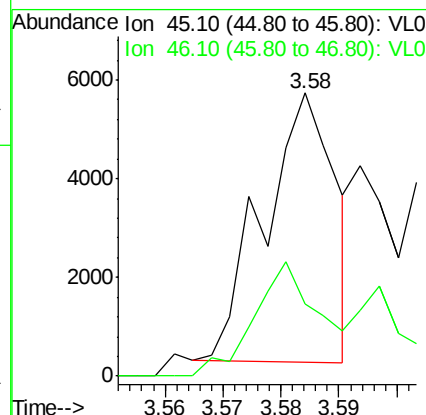
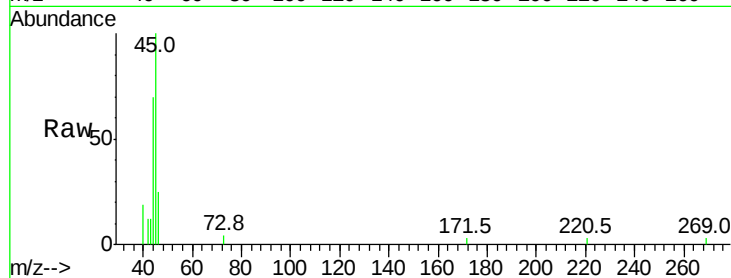




#13
Ethanol
Concen: 0.333 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

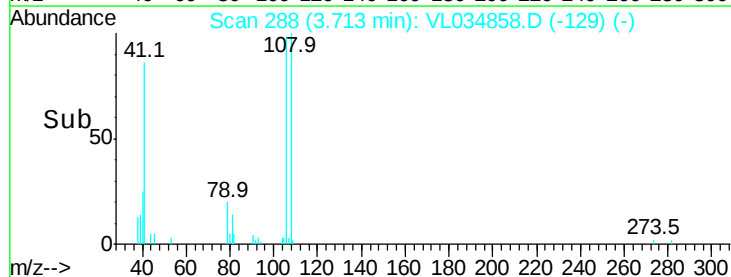
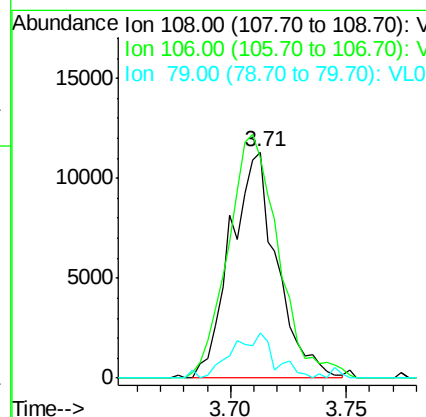
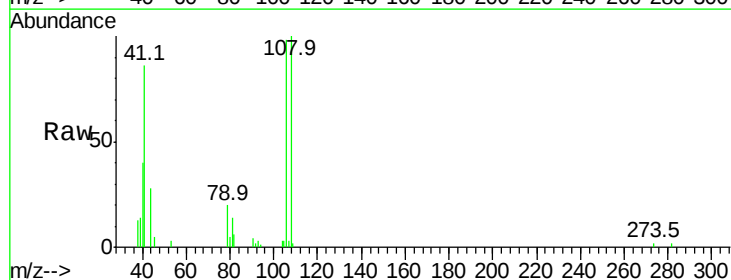
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

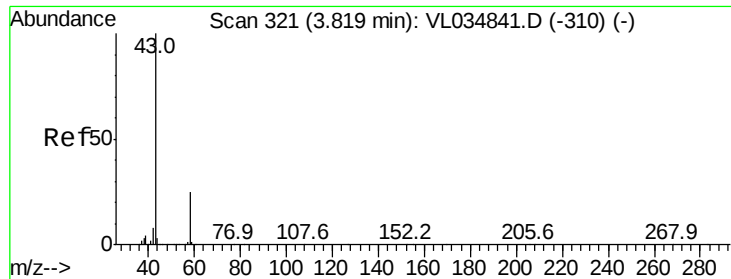
Tgt Ion: 45 Resp: 4677
Ion Ratio Lower Upper
45 100
46 69.1 16.0 64.0#



#14
Bromoethene
Concen: 0.412 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 108 Resp: 15727
Ion Ratio Lower Upper
108 100
106 117.2 85.1 127.7
79 19.5 14.7 22.1





#15

Acetone

Concen: 0.453 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.02 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

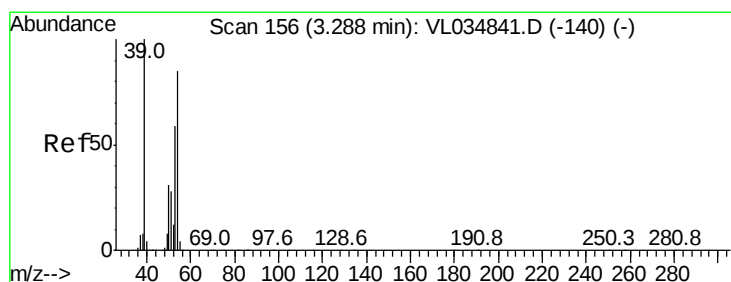
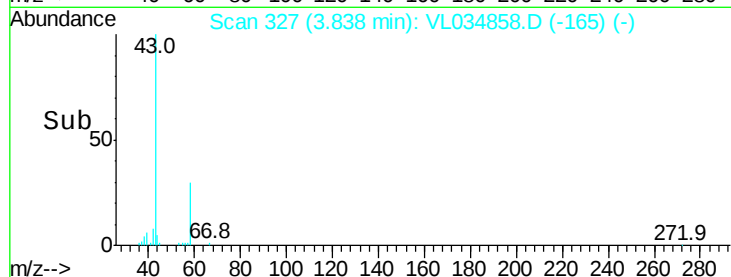
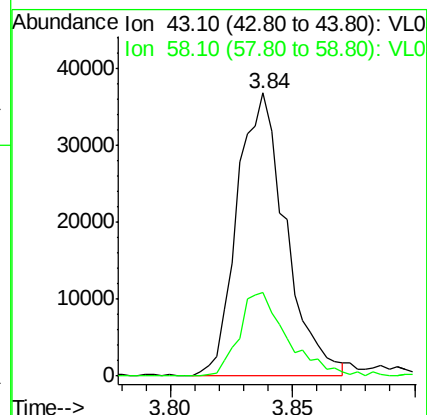
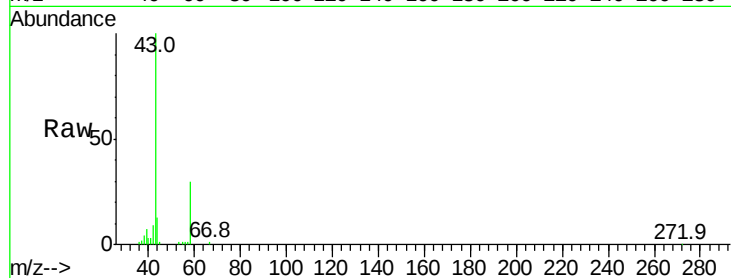
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 43 Resp: 50879

Ion Ratio Lower Upper

43 100

58 29.9 21.0 31.6



#16

1,3-Butadiene

Concen: 0.401 ppbv

RT: 3.29 min Scan# 157

Delta R.T. 0.00 min

Lab File: VL034858.D

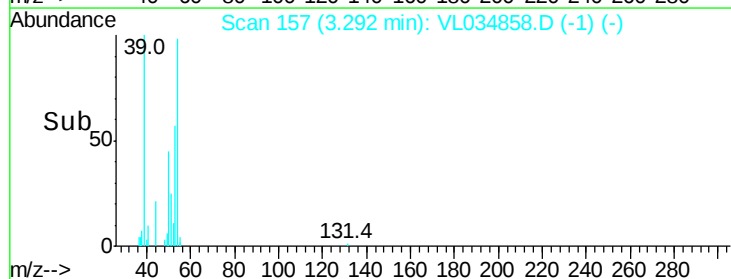
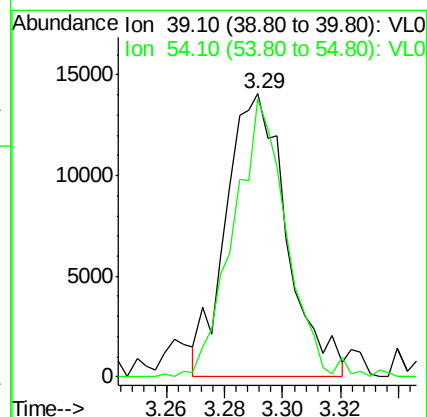
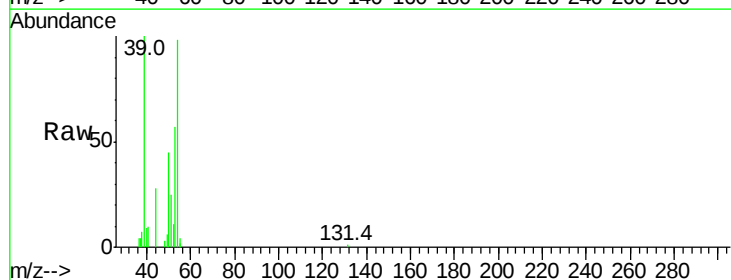
Acq: 10 Mar 2020 3:43

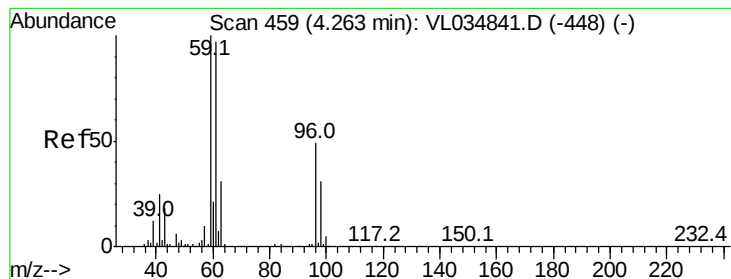
Tgt Ion: 39 Resp: 20365

Ion Ratio Lower Upper

39 100

54 86.6 65.0 97.6





#17

tert-Butyl alcohol

Concen: 0.465 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.03 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

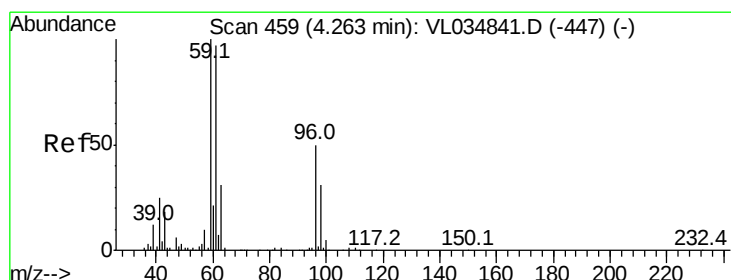
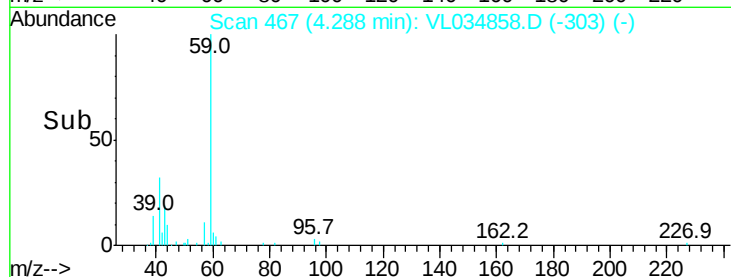
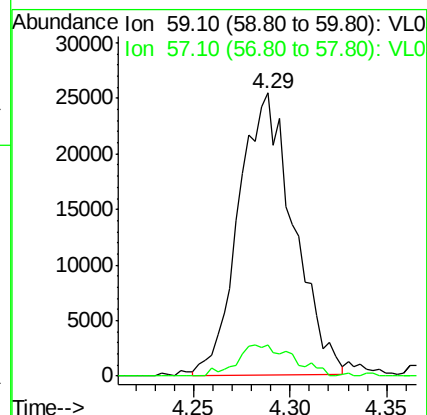
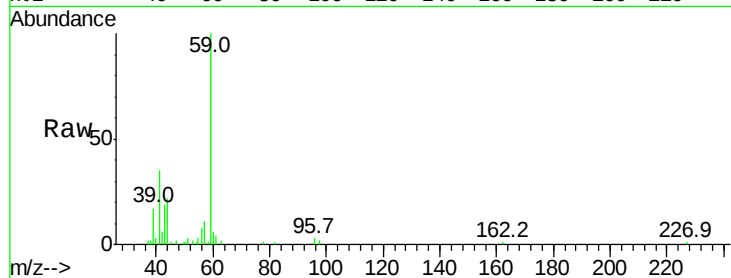
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 59 Resp: 50318

Ion Ratio Lower Upper

59 100

57 11.6 8.3 12.5



#18

1,1-Dichloroethene

Concen: 0.426 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

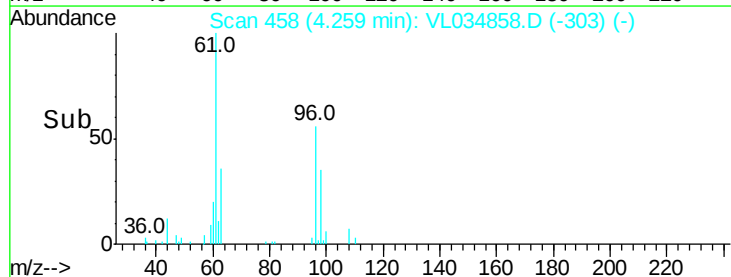
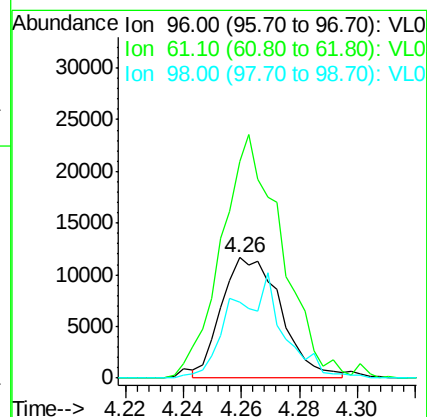
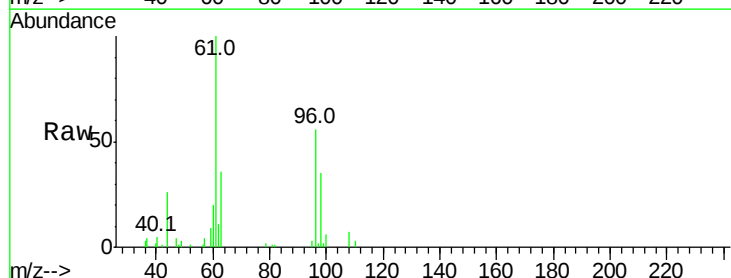
Tgt Ion: 96 Resp: 16672

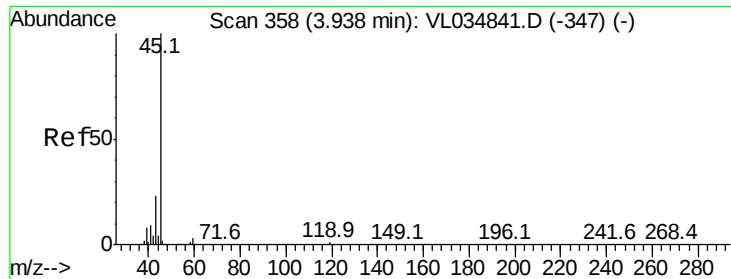
Ion Ratio Lower Upper

96 100

61 183.5 157.3 235.9

98 65.7 50.2 75.4





#19

Isopropyl Alcohol

Concen: 0.460 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.02 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

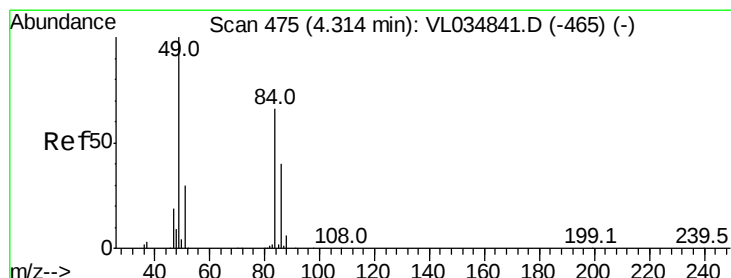
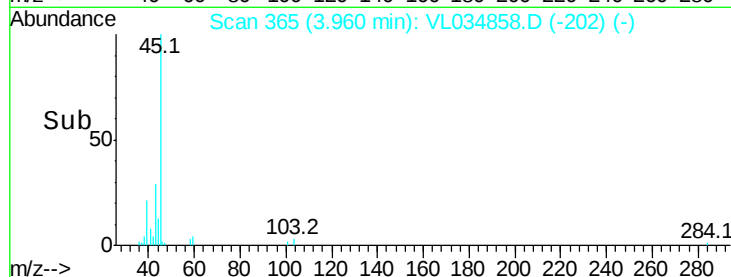
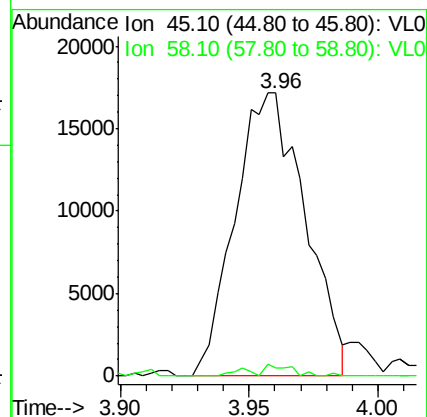
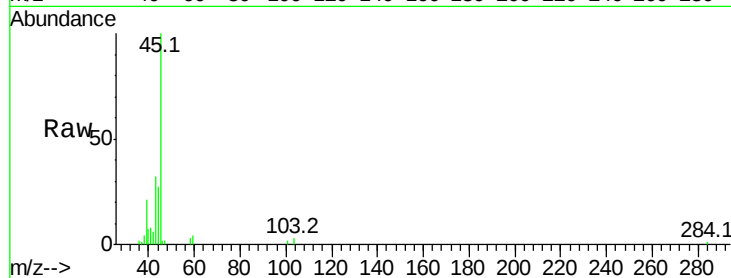
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 45 Resp: 32612

Ion Ratio Lower Upper

45 100

58 2.3 30.5 45.7#



#20

Methylene Chloride

Concen: 0.144 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion: 84 Resp: 5113

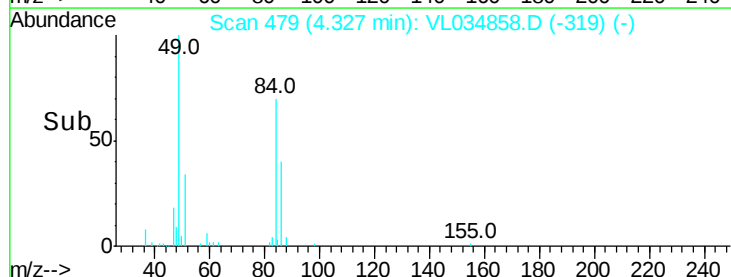
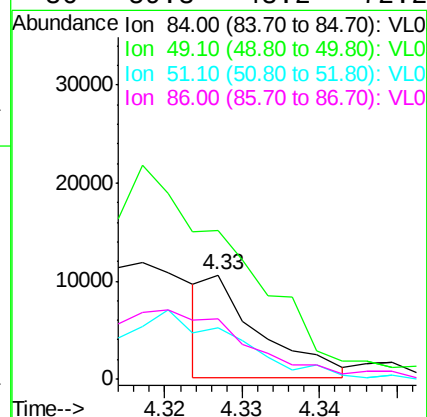
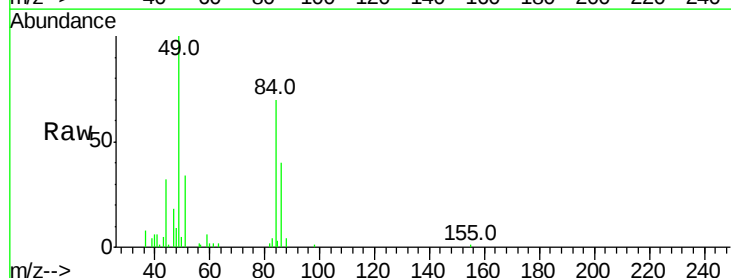
Ion Ratio Lower Upper

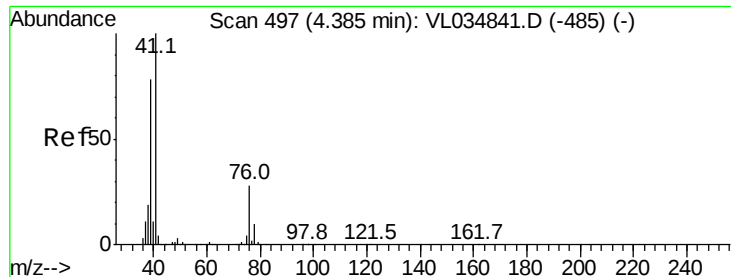
84 100

49 140.9 121.5 182.3

51 50.3 36.6 55.0

86 59.3 48.2 72.2

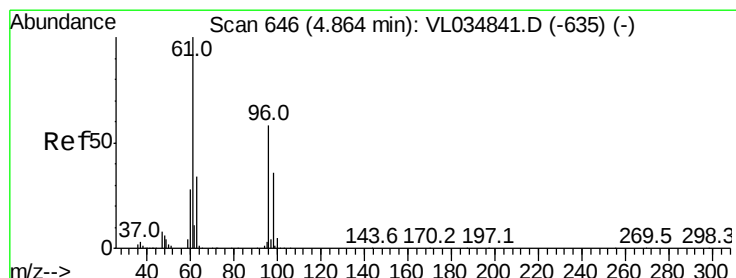
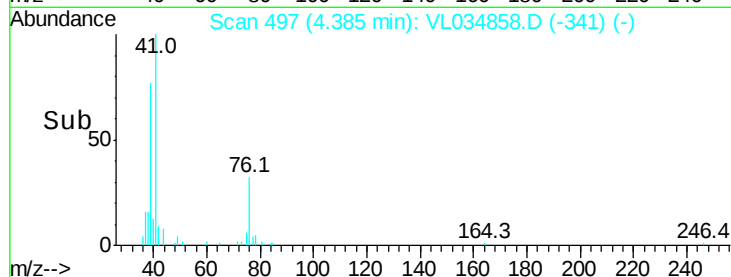
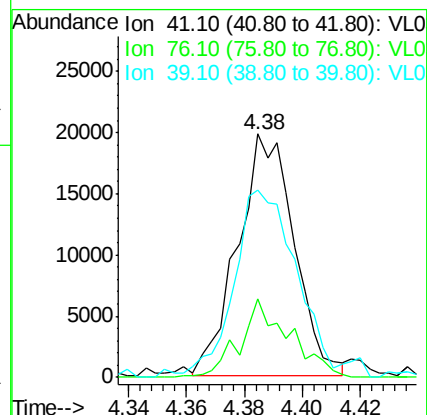
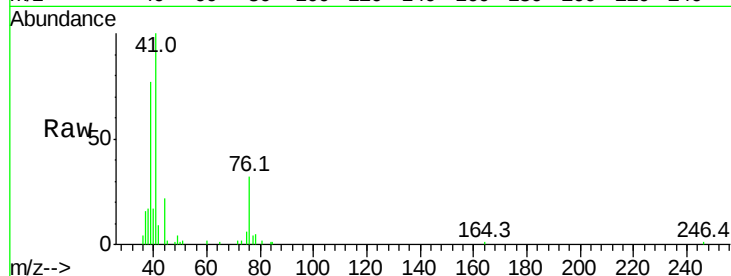




#21
 Allyl Chloride
 Concen: 0.371 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

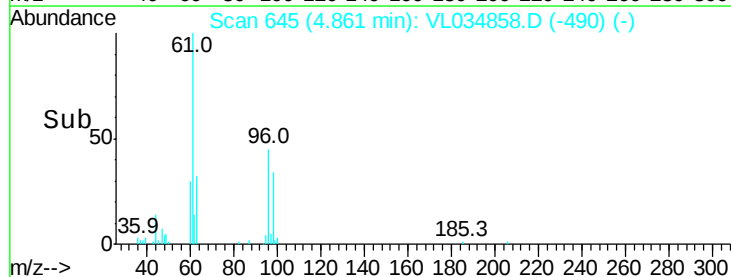
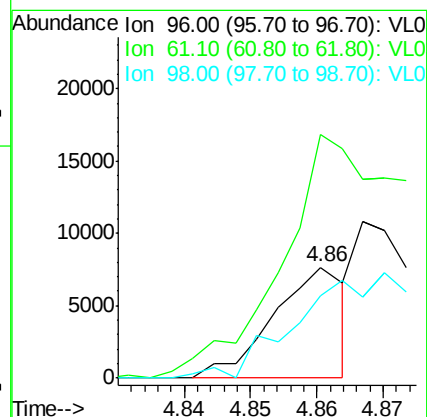
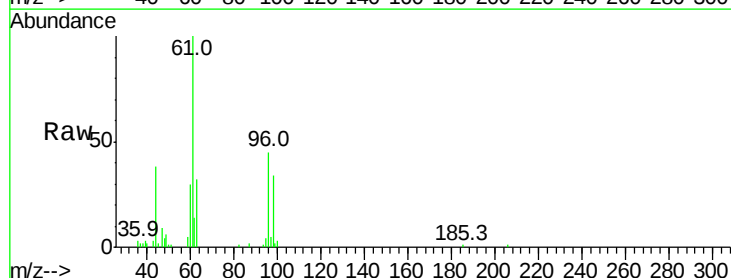
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

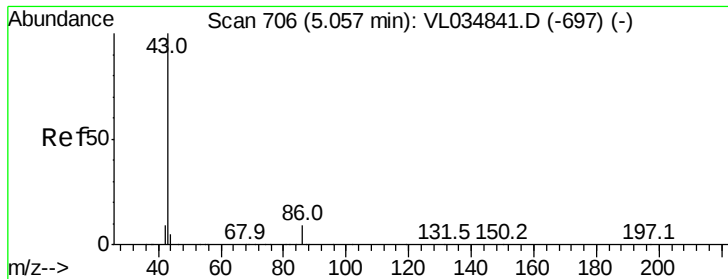
Tgt Ion: 41 Resp: 26801
 Ion Ratio Lower Upper
 41 100
 76 28.4 22.2 33.2
 39 88.9 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 0.146 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion: 96 Resp: 5778
 Ion Ratio Lower Upper
 96 100
 61 202.5 139.0 208.6
 98 74.2 50.3 75.5





#23

Vinyl Acetate

Concen: 0.381 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

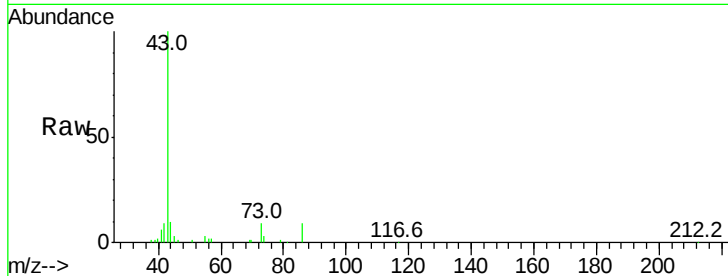
ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 43 Resp: 63163

Ion Ratio Lower Upper

43	100		
86	9.2	6.3	9.5
42	7.1	7.8	11.8#
44	5.8	4.0	6.0

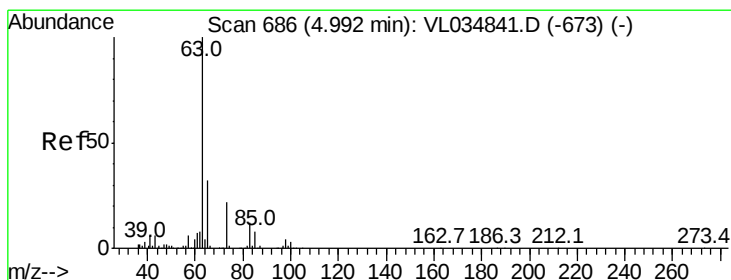
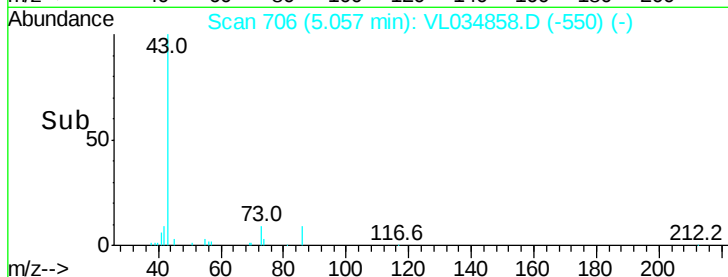
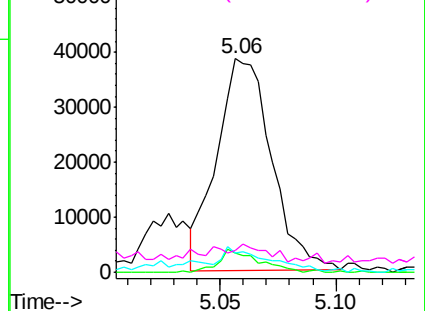


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.429 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

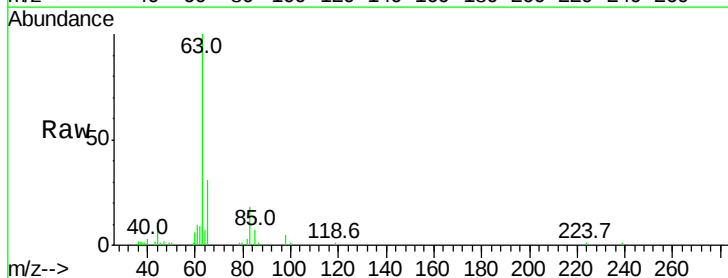
Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion: 63 Resp: 47764

Ion Ratio Lower Upper

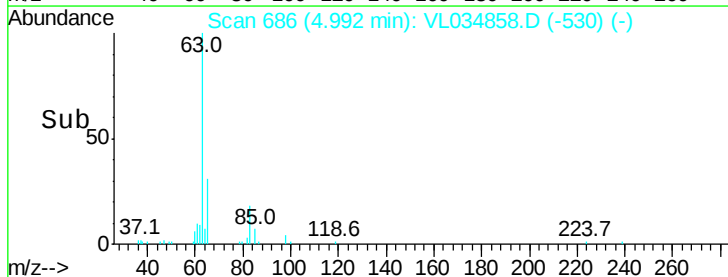
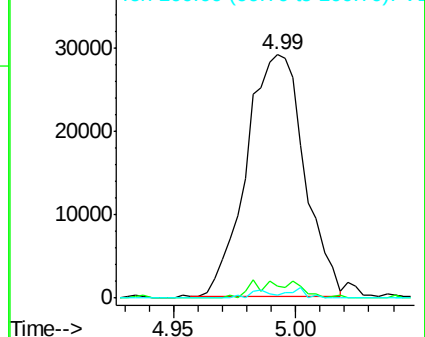
63	100		
98	5.0	2.0	5.8
100	1.0	1.4	4.0#

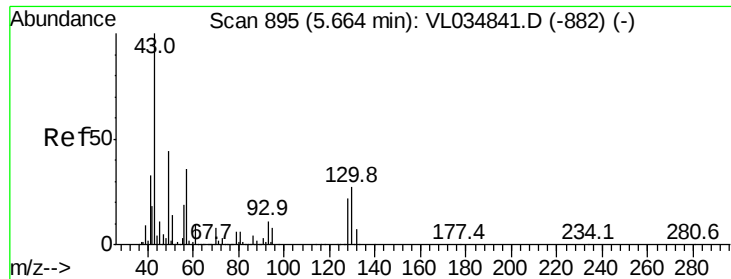


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.414 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 43 Resp: 82896

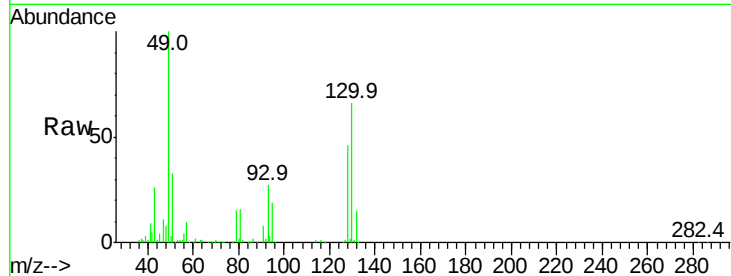
Ion Ratio Lower Upper

43 100

45 12.0 8.2 12.2

61 11.4 7.8 11.6

70 6.9 5.8 8.8

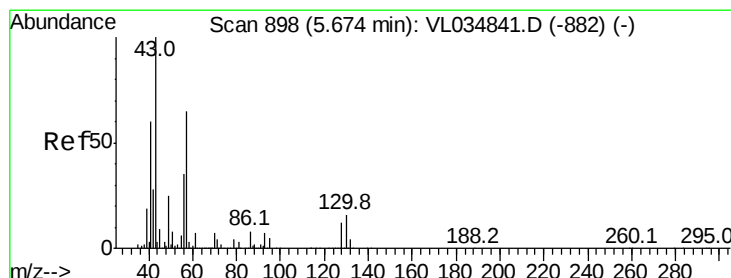
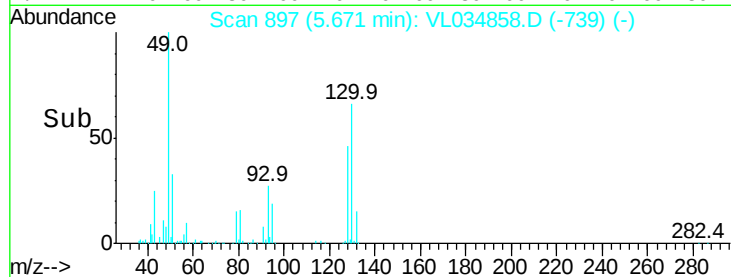
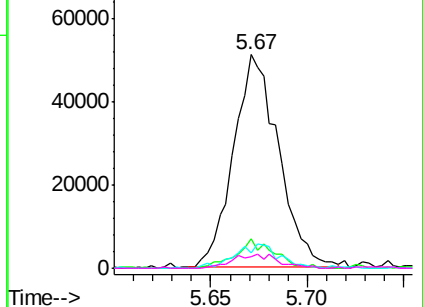


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.413 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion: 57 Resp: 35600

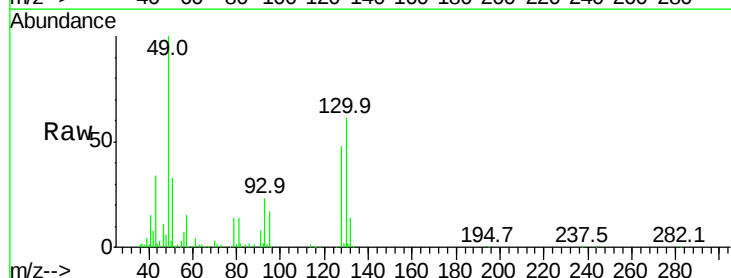
Ion Ratio Lower Upper

57 100

41 99.9 72.6 109.0

43 237.8 183.8 275.6

56 50.1 41.9 62.9

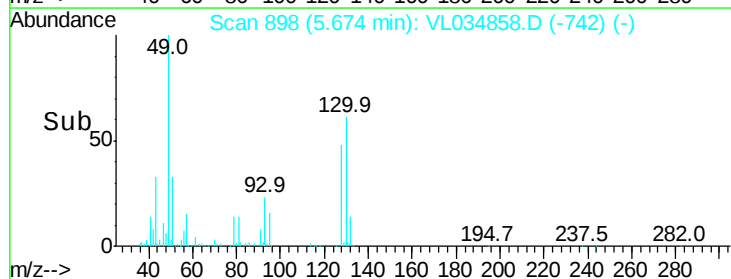
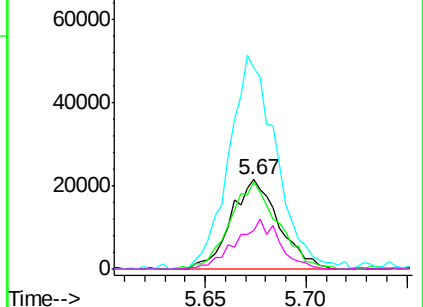


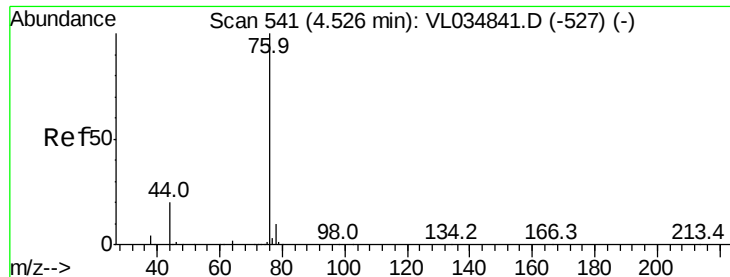
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.327 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

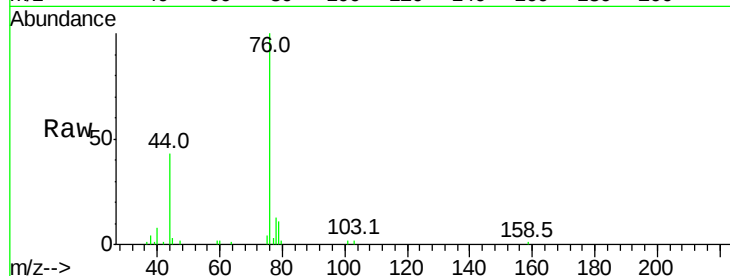
Tgt Ion: 76 Resp: 32015

Ion Ratio Lower Upper

76 100

44 43.9 16.2 24.2#

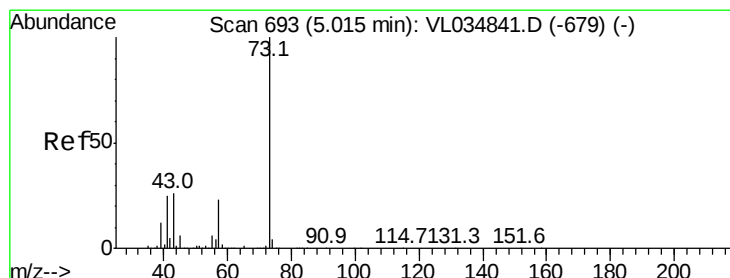
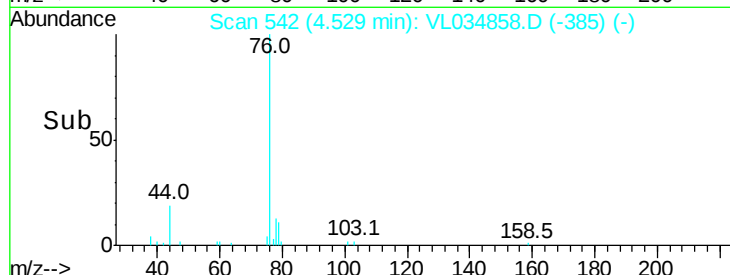
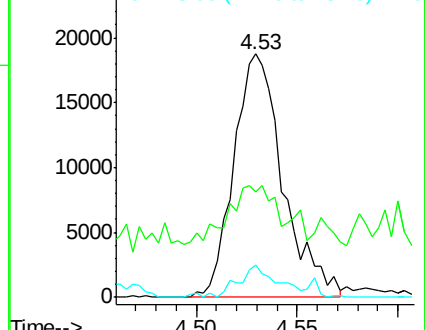
78 12.3 7.8 11.6#



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: 0.375 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.02 min

Lab File: VL034858.D

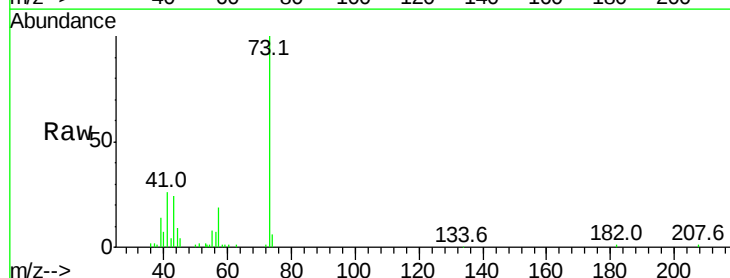
Acq: 10 Mar 2020 3:43

Tgt Ion: 73 Resp: 53739

Ion Ratio Lower Upper

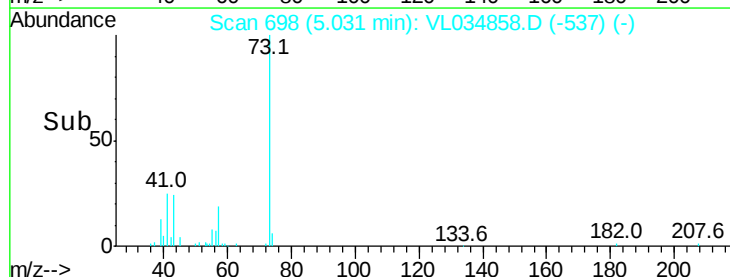
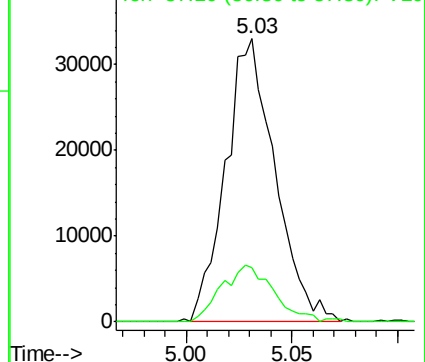
73 100

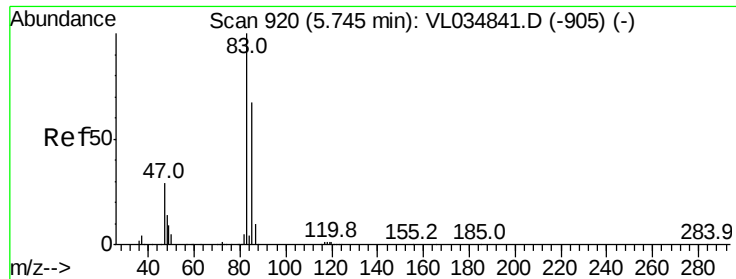
57 21.2 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.440 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

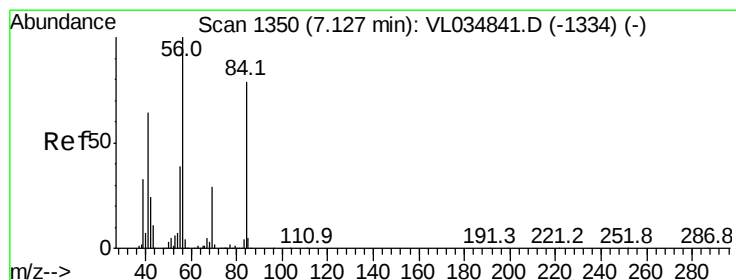
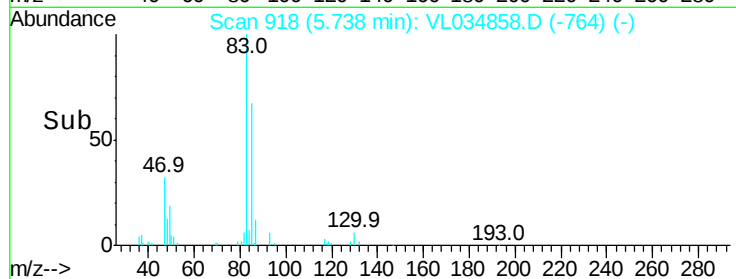
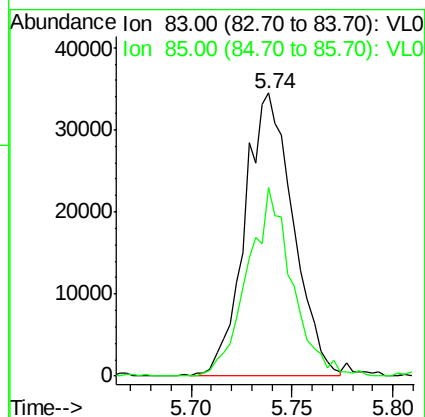
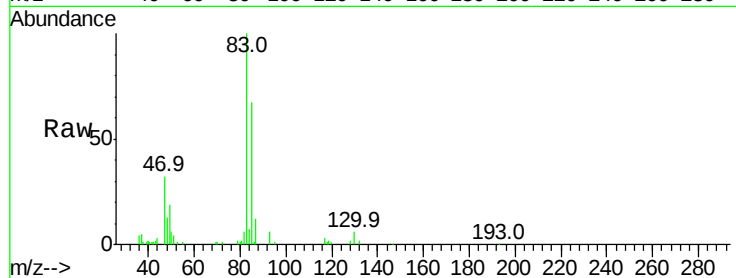
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 83 Resp: 57907

Ion Ratio Lower Upper

83 100

85 66.8 53.8 80.6



#30

Cyclohexane

Concen: 0.264 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

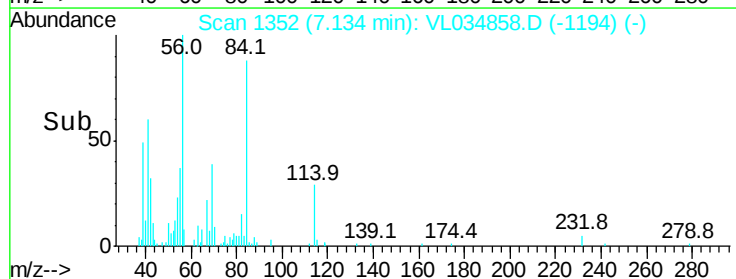
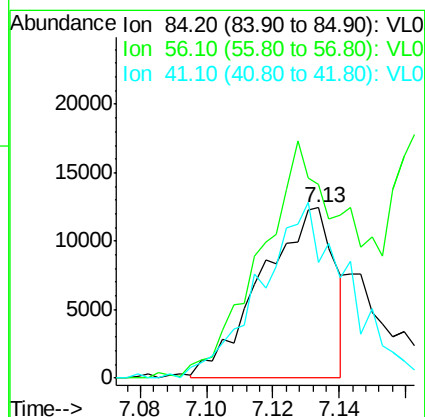
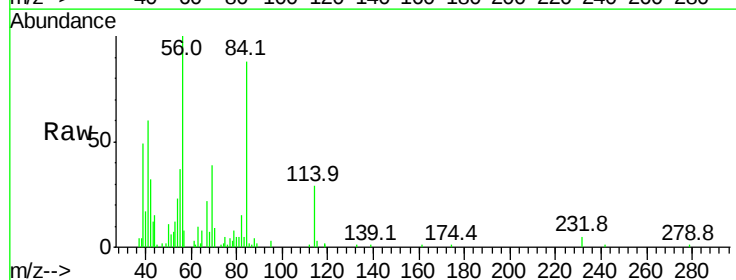
Tgt Ion: 84 Resp: 18977

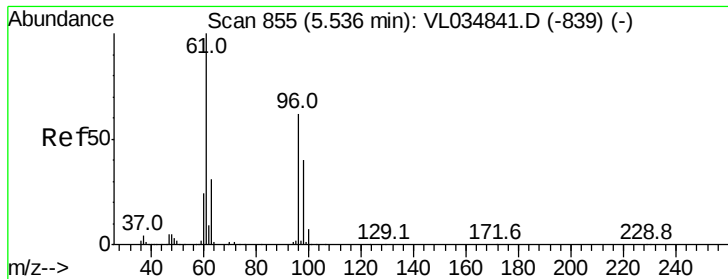
Ion Ratio Lower Upper

84 100

56 175.7 110.5 165.7#

41 124.3 68.2 102.4#



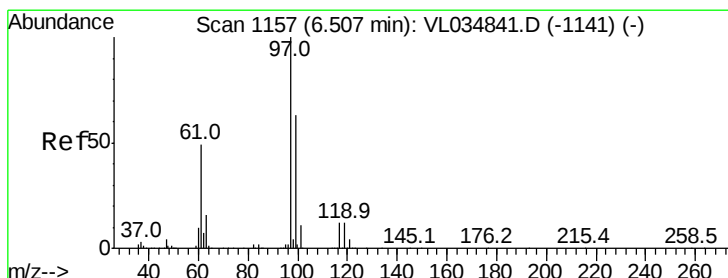
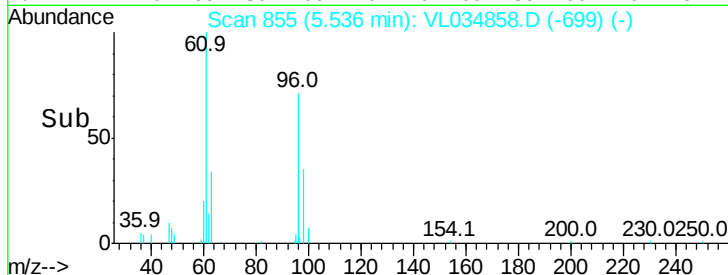
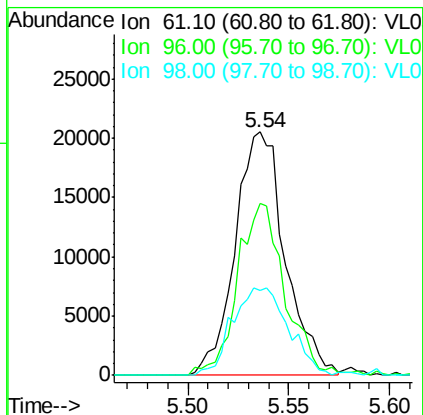
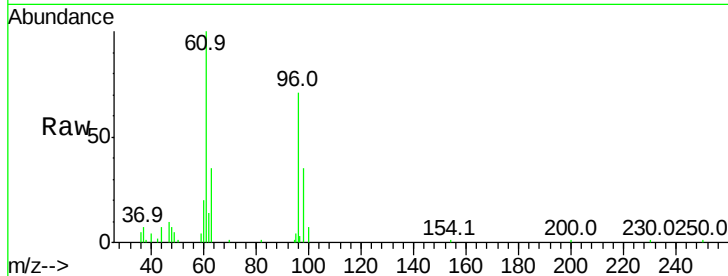


#31

cis-1,2-Dichloroethene
 Concen: 0.403 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

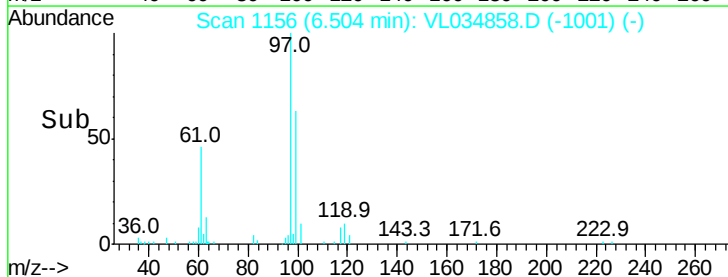
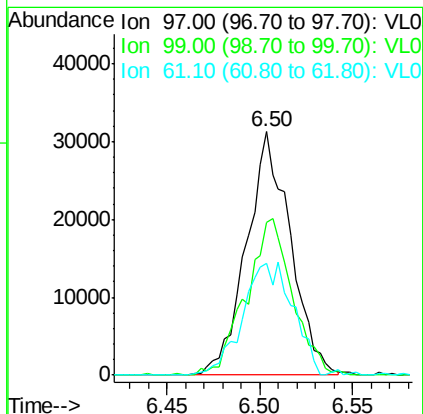
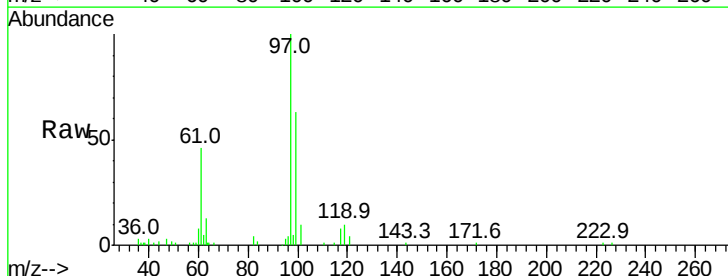
Tgt Ion: 61 Resp: 35553
 Ion Ratio Lower Upper
 61 100
 96 70.9 49.8 74.8
 98 34.6 32.2 48.4

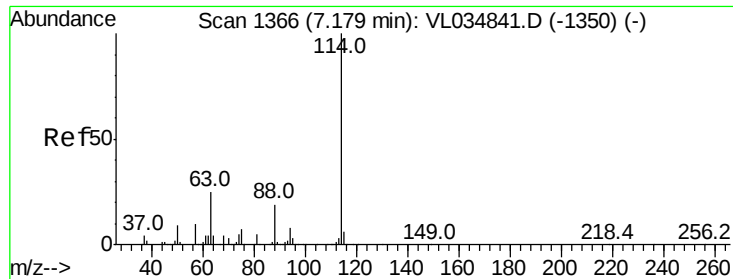


#32

1,1,1-Trichloroethane
 Concen: 0.401 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion: 97 Resp: 51438
 Ion Ratio Lower Upper
 97 100
 99 67.7 51.1 76.7
 61 53.3 39.7 59.5

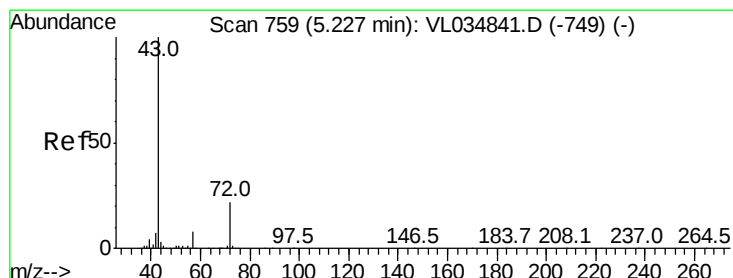
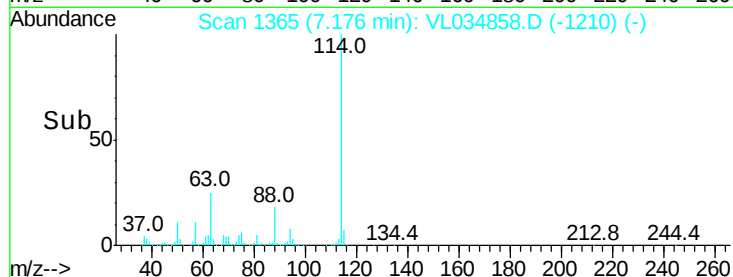
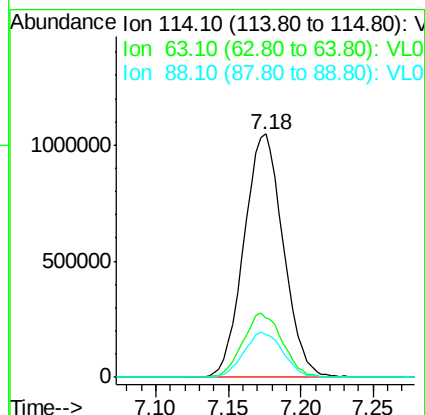
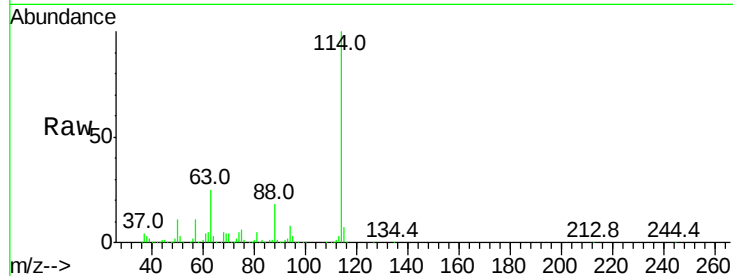




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

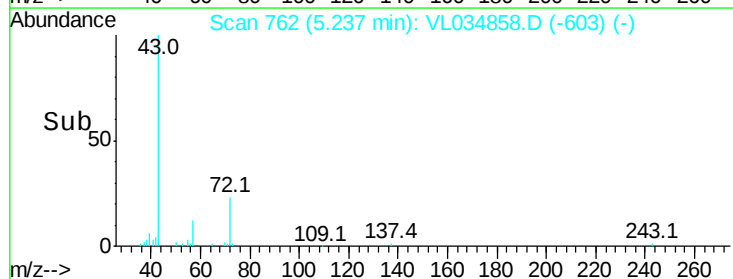
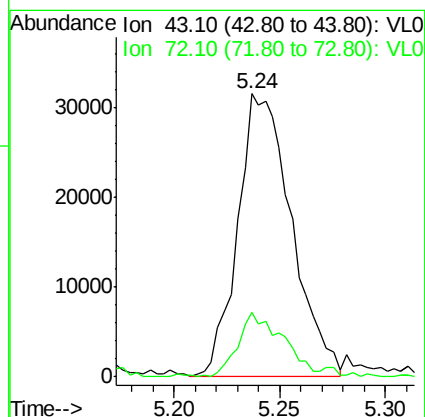
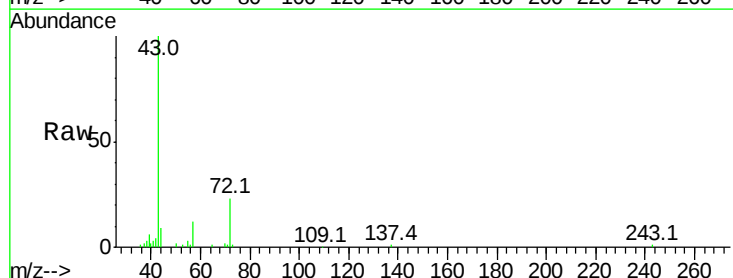
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

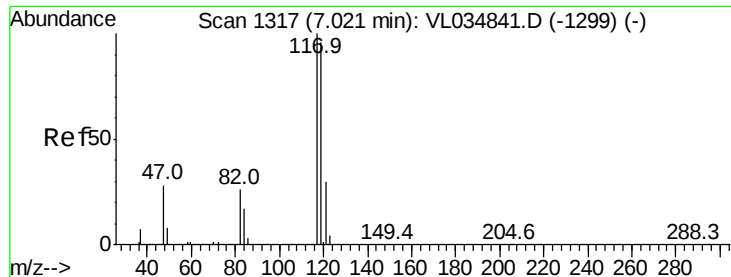
Tgt Ion:114 Resp: 1974911
 Ion Ratio Lower Upper
 114 100
 63 26.7 20.6 31.0
 88 18.7 15.0 22.6



#34
 2-Butanone
 Concen: 0.425 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion: 43 Resp: 55778
 Ion Ratio Lower Upper
 43 100
 72 20.4 17.6 26.4





#35

Carbon Tetrachloride

Concen: 0.121 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

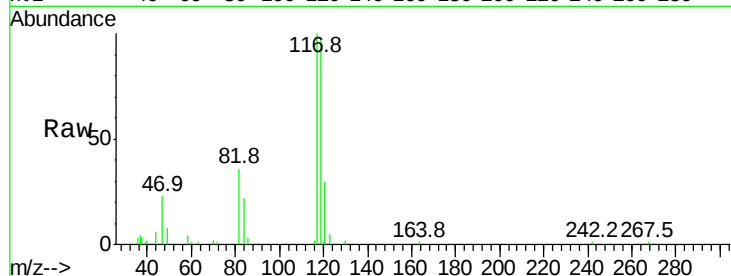
Tgt Ion:117 Resp: 14904

Ion Ratio Lower Upper

117 100

119 94.7 77.0 115.4

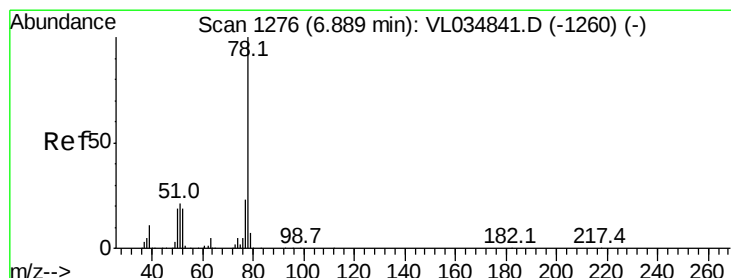
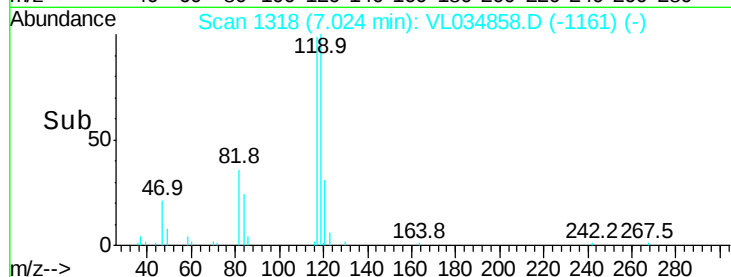
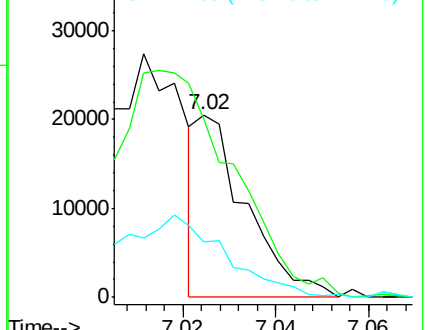
121 28.7 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.392 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

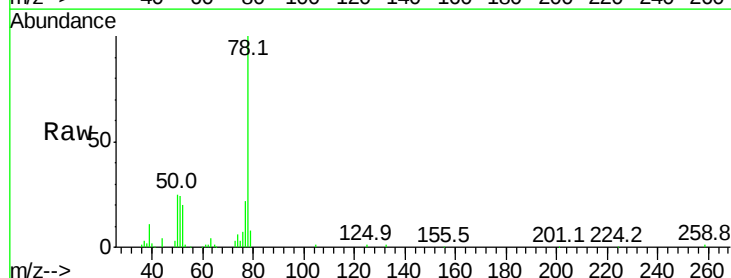
Tgt Ion: 78 Resp: 69075

Ion Ratio Lower Upper

78 100

77 21.5 18.2 27.2

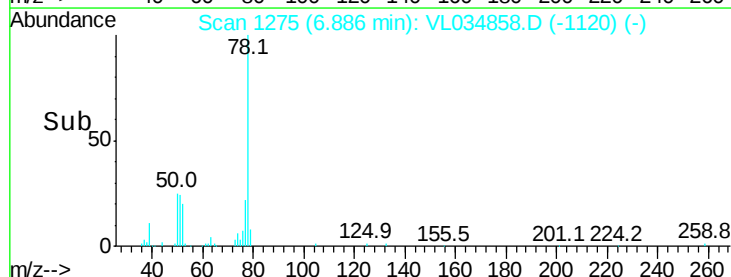
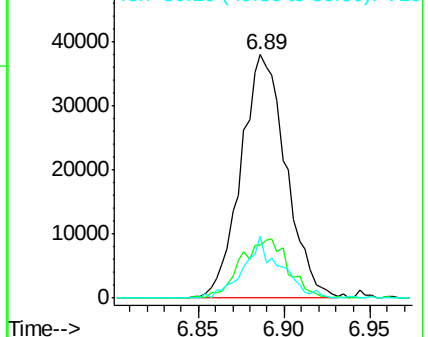
50 25.2 15.2 22.8#

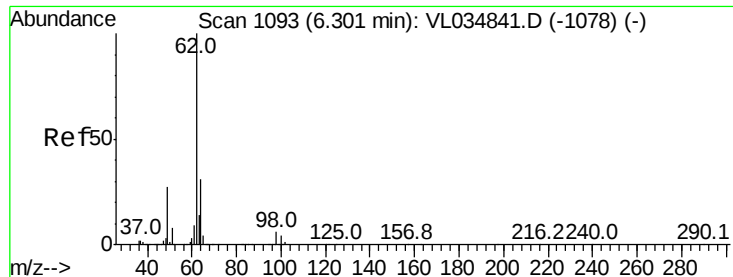


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

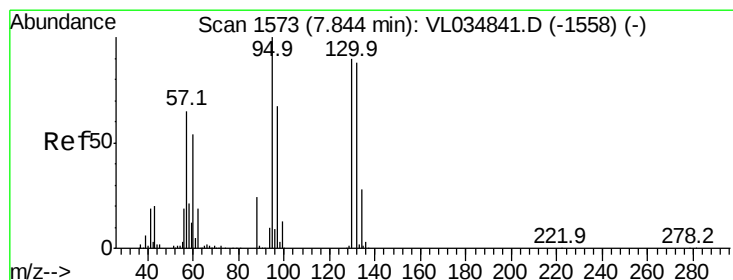
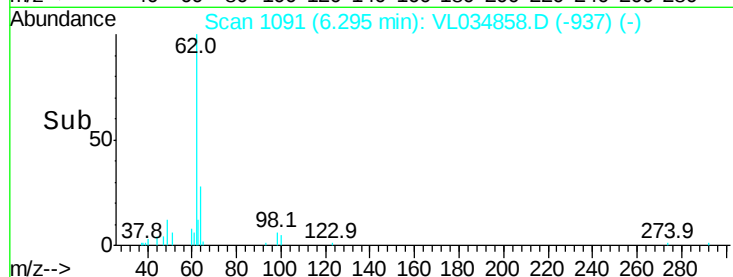
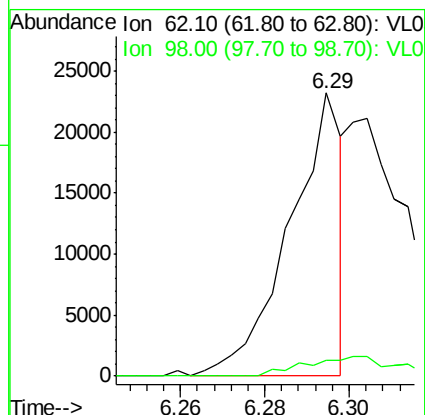
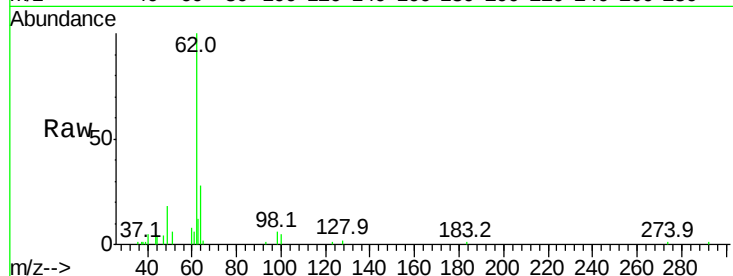




#37
1,2-Dichloroethane
Concen: 0.202 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

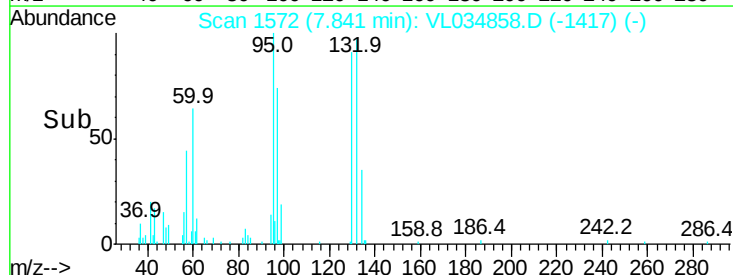
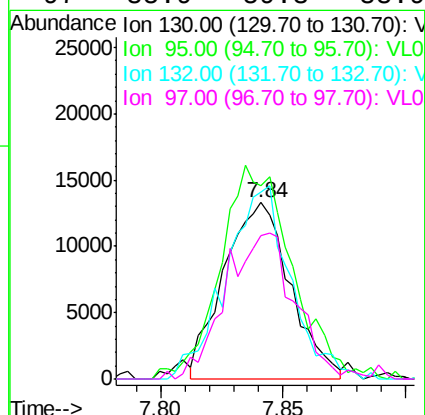
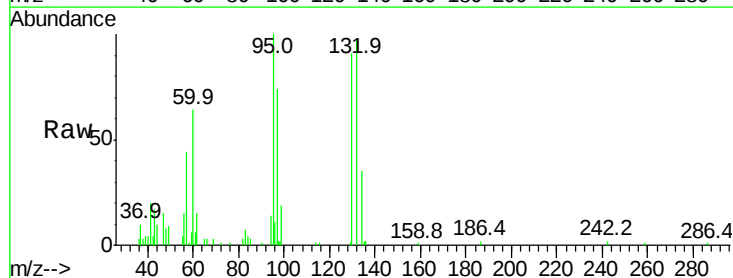
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

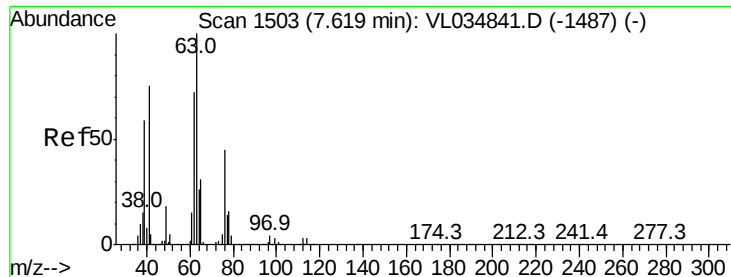
Tgt Ion: 62 Resp: 20019
Ion Ratio Lower Upper
62 100
98 0.0 5.2 7.8#



#38
Trichloroethene
Concen: 0.376 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 130 Resp: 25132
Ion Ratio Lower Upper
130 100
95 116.8 88.5 132.7
132 105.8 78.0 117.0
97 85.9 59.3 88.9





#39

1,2-Dichloropropane

Concen: 0.348 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. -0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

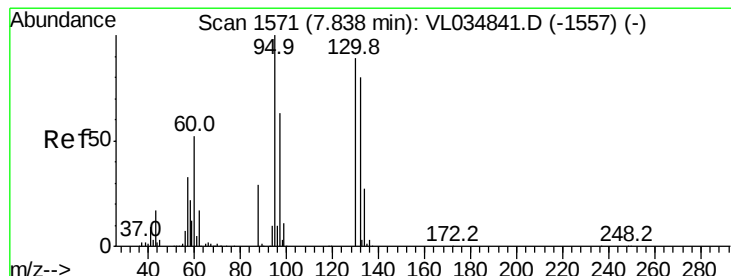
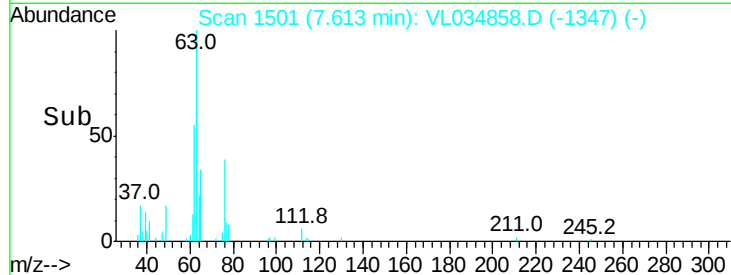
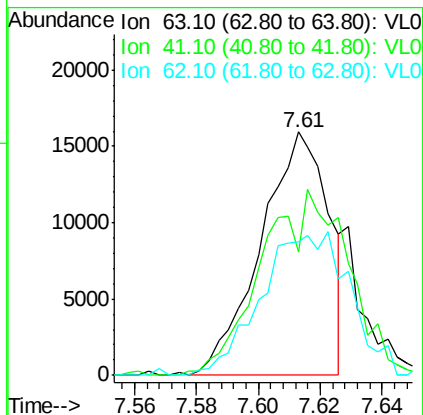
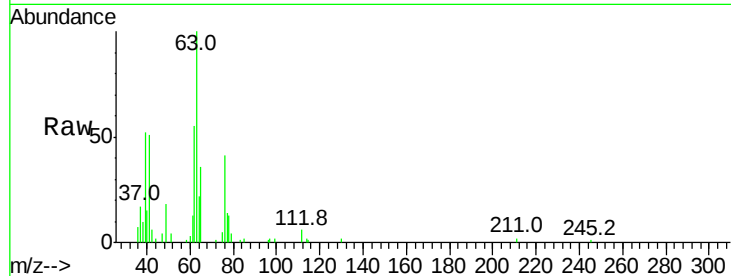
Tgt Ion: 63 Resp: 24305

Ion Ratio Lower Upper

63 100

41 49.0 59.8 89.8#

62 55.1 57.6 86.4#



#40

1,4-Dioxane

Concen: 0.018 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.02 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion: 88 Resp: 486

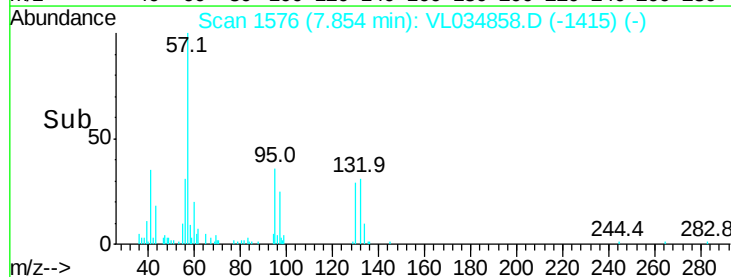
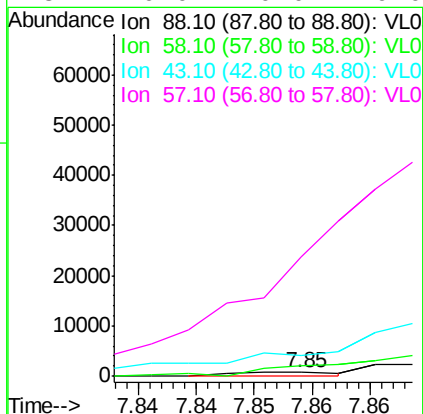
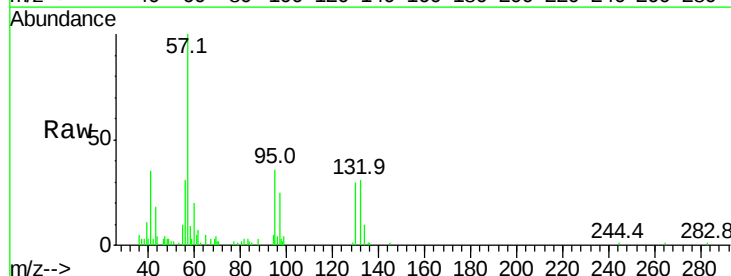
Ion Ratio Lower Upper

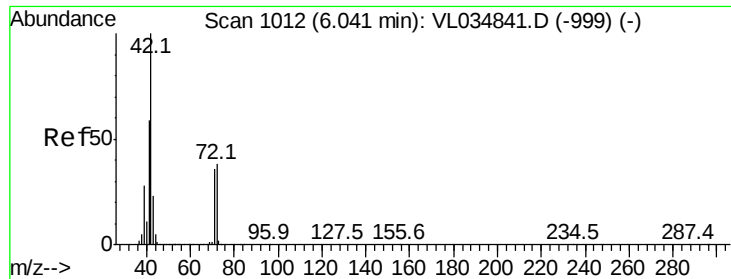
88 100

58 114.4 103.9 155.9

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.138 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

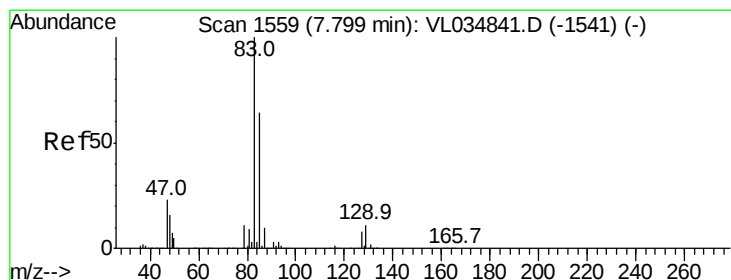
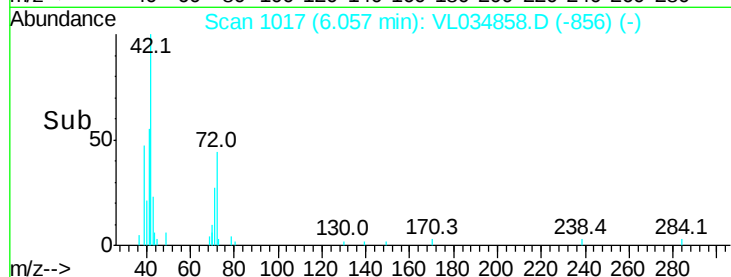
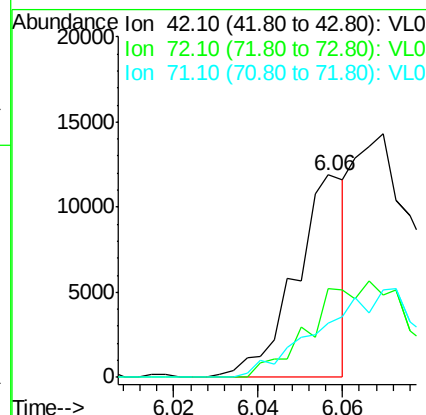
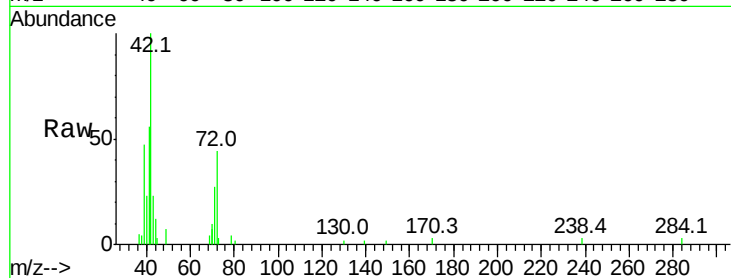
MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 42 Resp: 9812

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.8	46.2#
71	0.0	30.1	45.1#



#42

Bromodichloromethane

Concen: 0.145 ppbv

RT: 7.79 min Scan# 1555

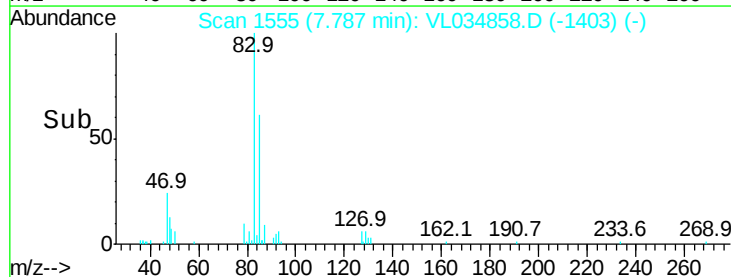
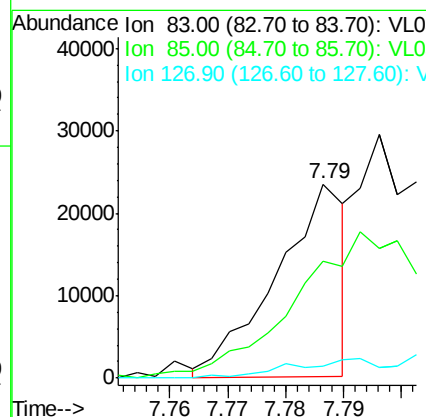
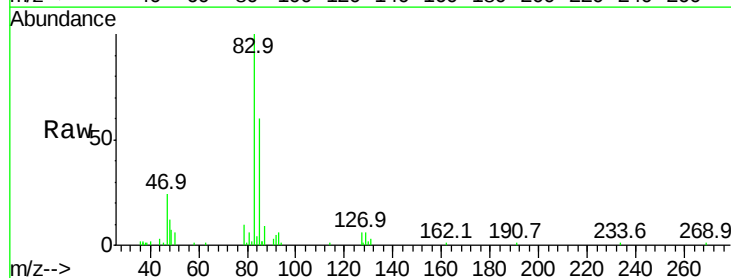
Delta R.T. -0.01 min

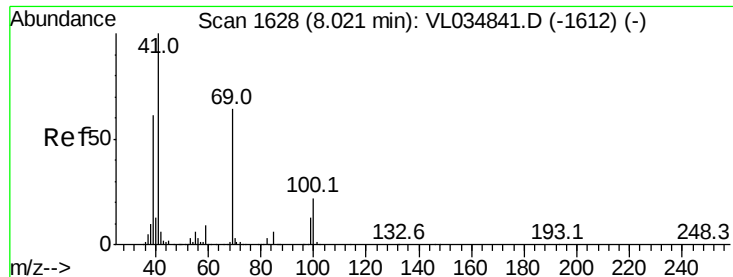
Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion: 83 Resp: 19556

Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.4	77.2
127	6.5	6.2	9.4

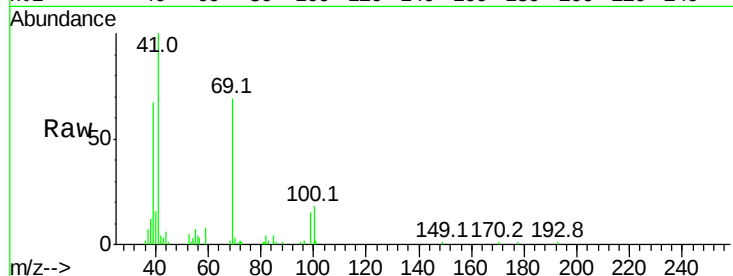




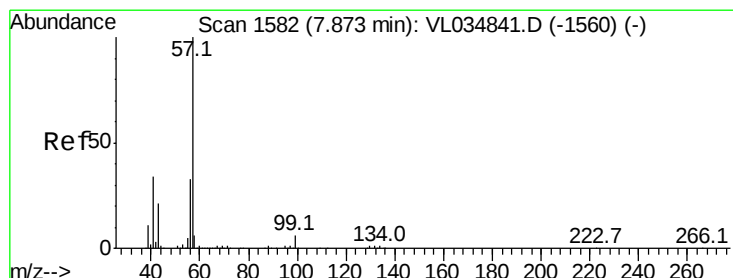
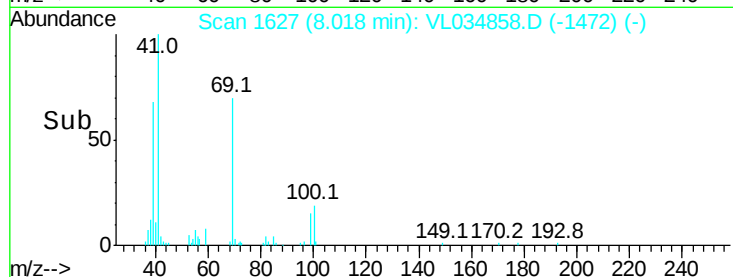
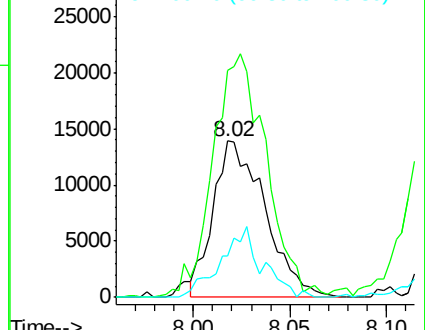
#43
Methyl Methacrylate
Concen: 0.351 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 69 Resp: 26023
Ion Ratio Lower Upper
69 100
41 160.4 123.2 184.8
100 36.0 26.9 40.3

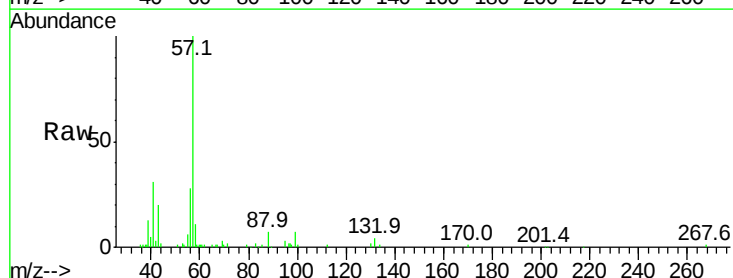


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

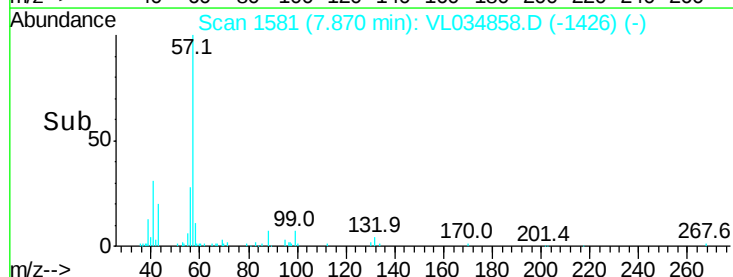
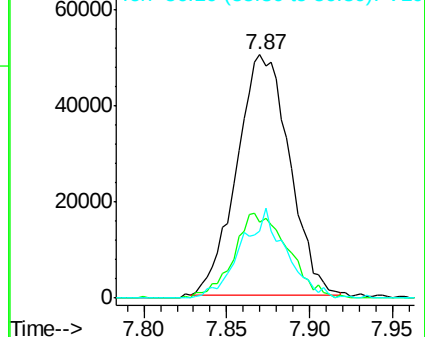


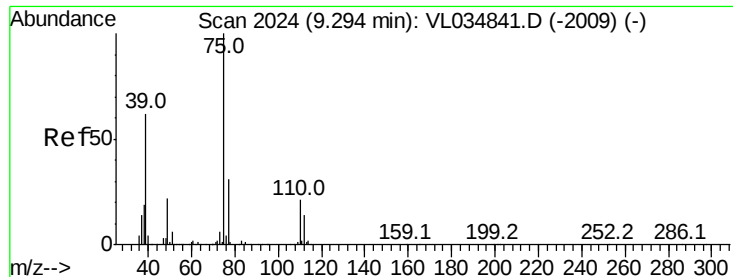
#44
2,2,4-Trimethylpentane
Concen: 0.371 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 57 Resp: 110422
Ion Ratio Lower Upper
57 100
41 36.4 26.2 39.4
56 32.0 25.0 37.4



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

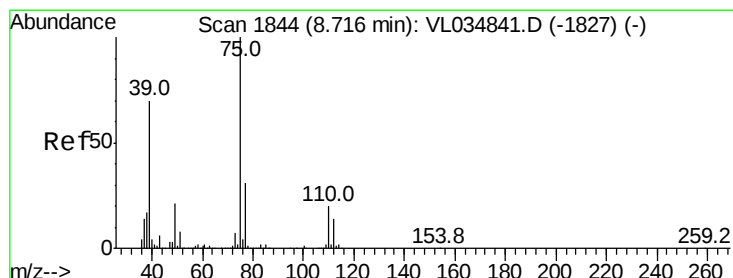
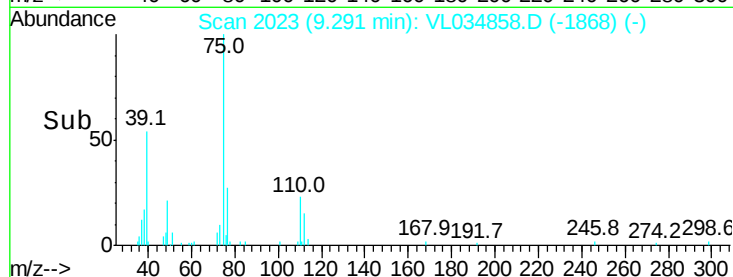
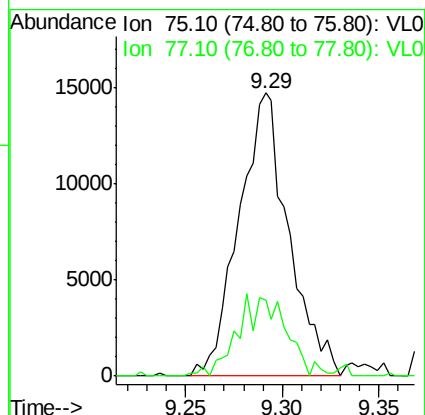
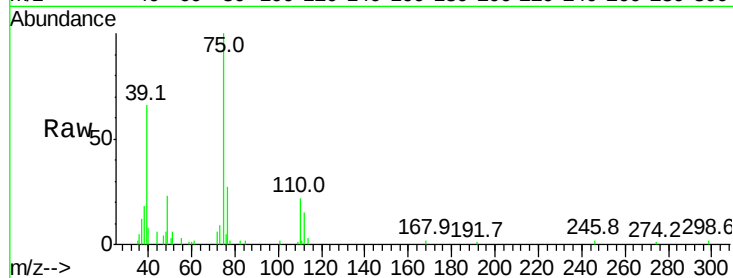




#45
t-1,3-Dichloropropene
Concen: 0.302 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

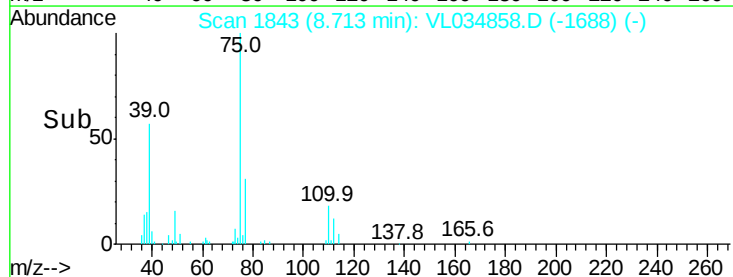
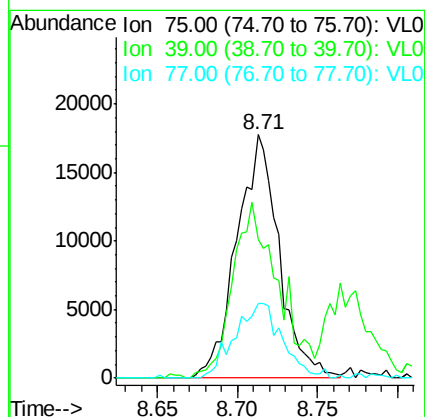
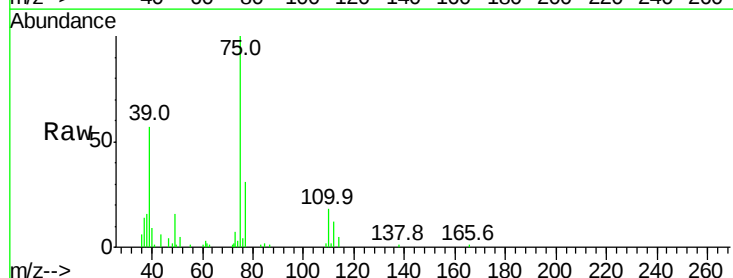
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

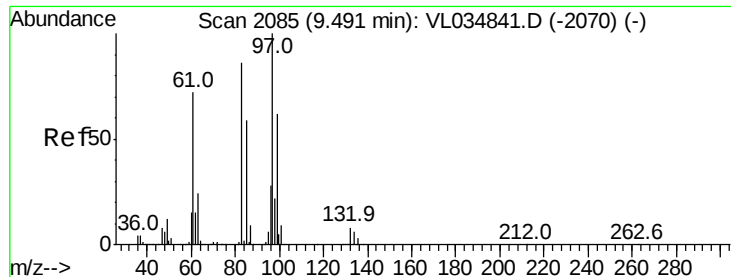
Tgt Ion: 75 Resp: 26311
Ion Ratio Lower Upper
75 100
77 25.8 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 0.309 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 75 Resp: 31972
Ion Ratio Lower Upper
75 100
39 57.2 55.7 83.5
77 30.6 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 0.181 ppbv

RT: 9.48 min Scan# 2082

Delta R.T. -0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 97 Resp: 12923

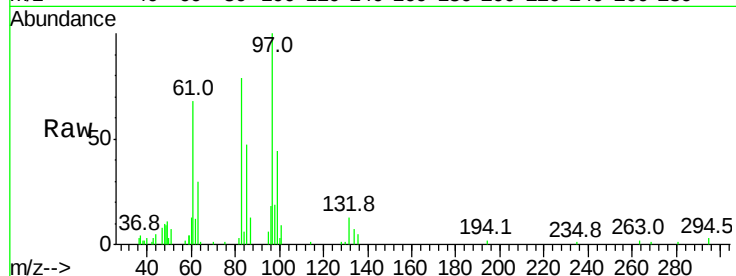
Ion Ratio Lower Upper

97 100

83 74.4 68.6 102.8

85 46.4 46.9 70.3#

99 42.3 49.9 74.9#

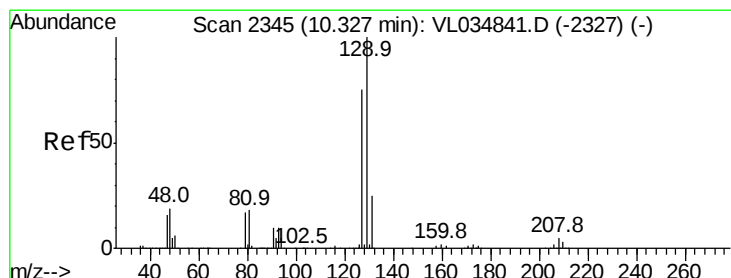
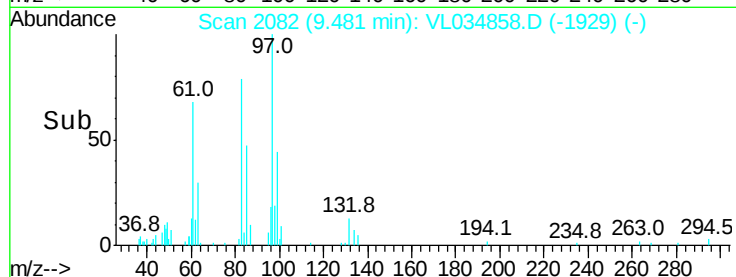
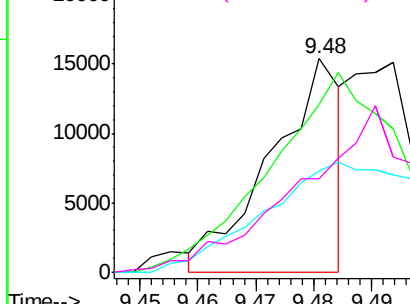


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.176 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. -0.01 min

Lab File: VL034858.D

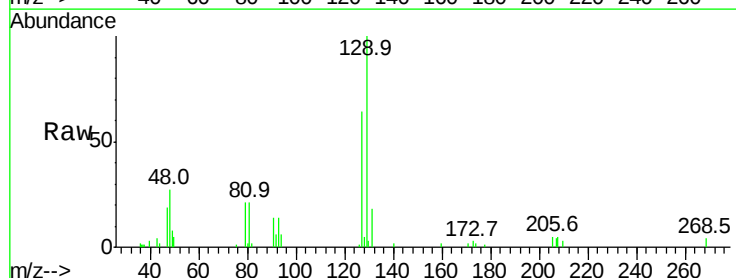
Acq: 10 Mar 2020 3:43

Tgt Ion: 129 Resp: 20362

Ion Ratio Lower Upper

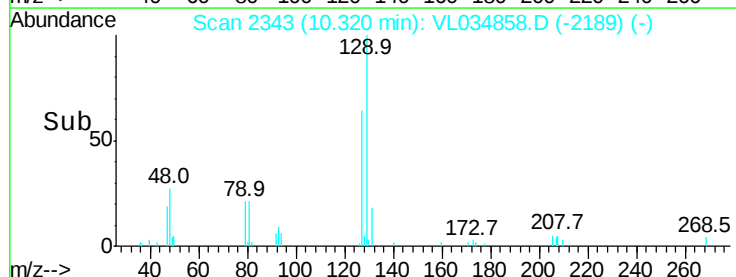
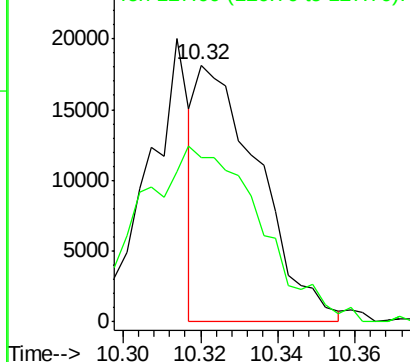
129 100

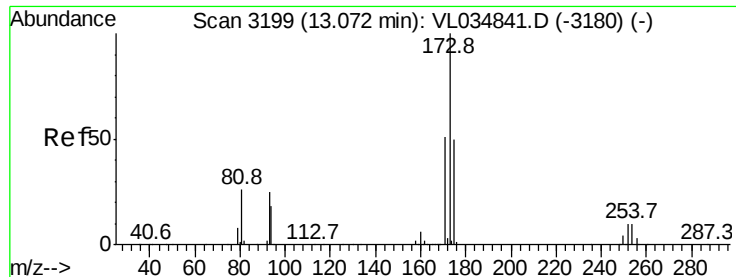
127 0.0 39.6 118.7#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.151 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

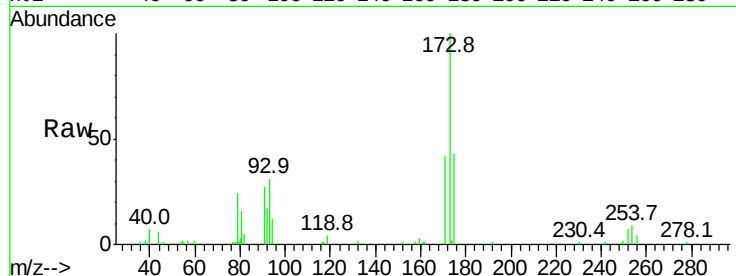
Tgt Ion:173 Resp: 15627

Ion Ratio Lower Upper

173 100

175 93.2 39.6 59.4#

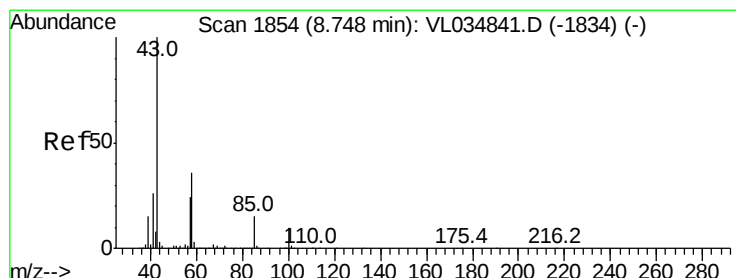
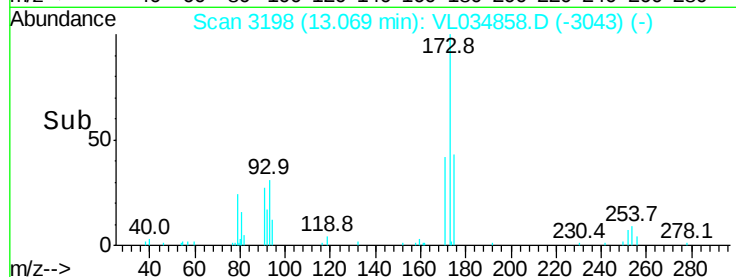
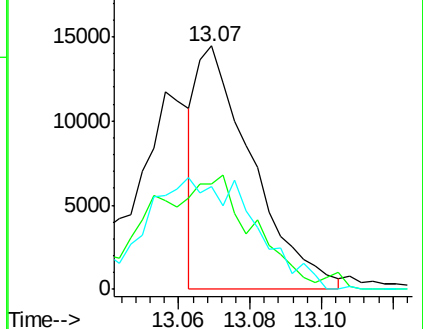
171 94.8 41.0 61.6#



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: 0.363 ppbv

RT: 8.77 min Scan# 1861

Delta R.T. 0.02 min

Lab File: VL034858.D

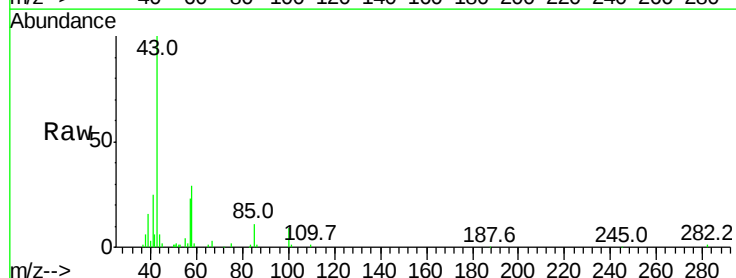
Acq: 10 Mar 2020 3:43

Tgt Ion: 43 Resp: 68612

Ion Ratio Lower Upper

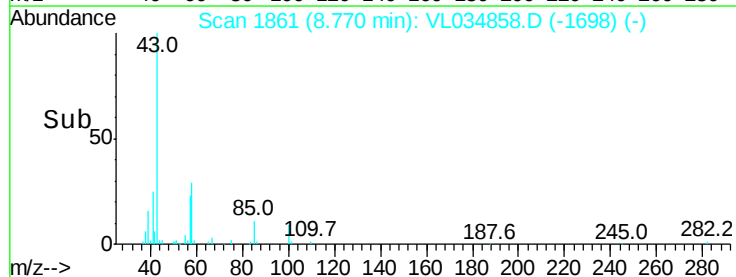
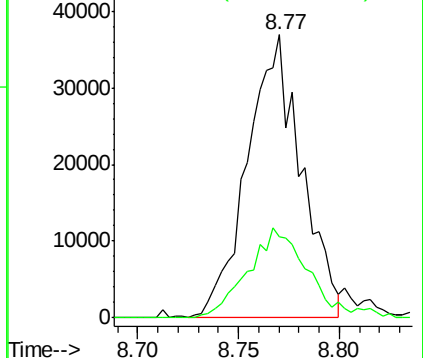
43 100

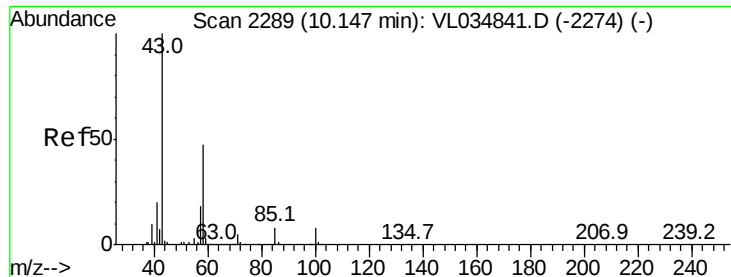
58 35.7 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

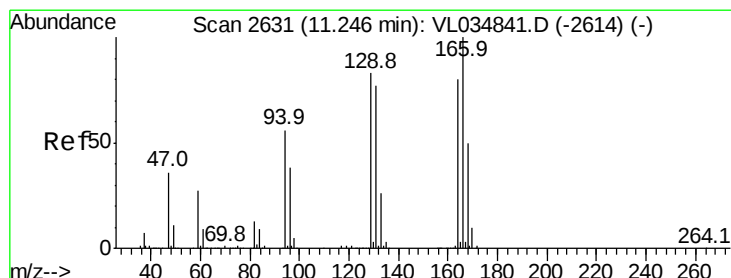
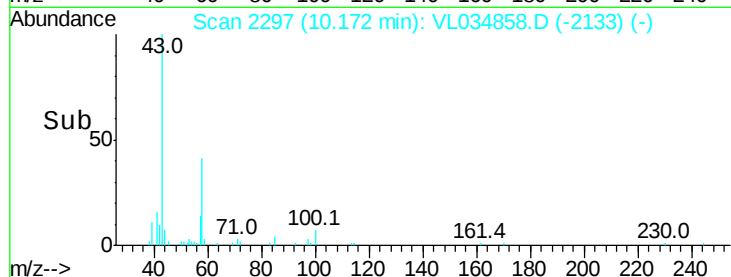
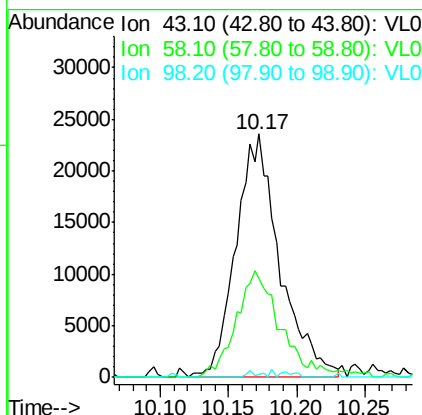
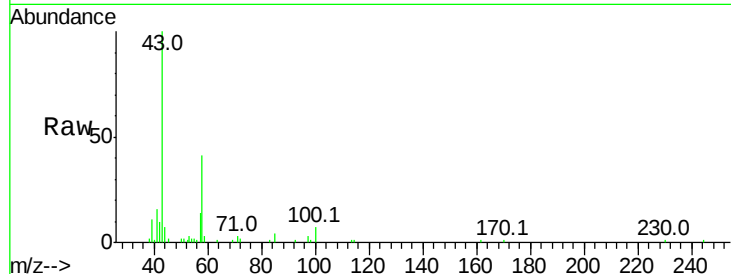




#51
2-Hexanone
Concen: 0.342 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. 0.03 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

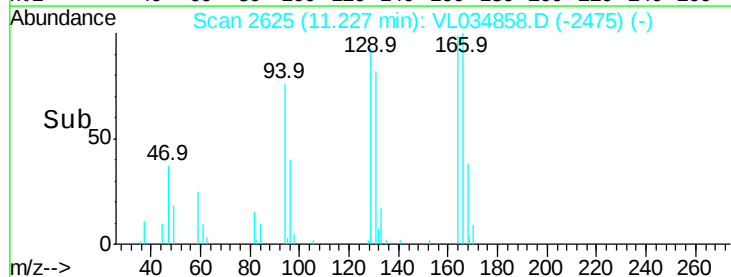
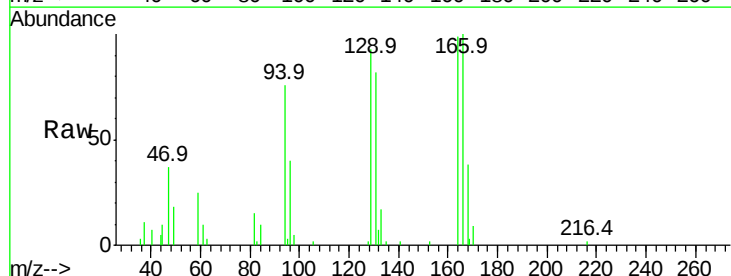
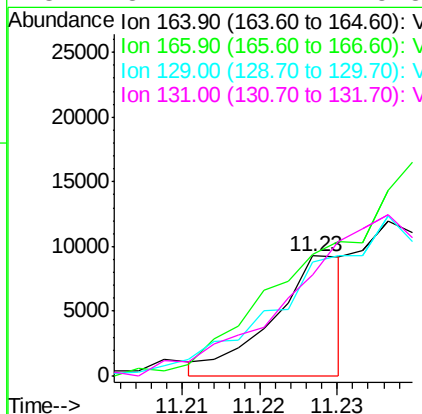
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

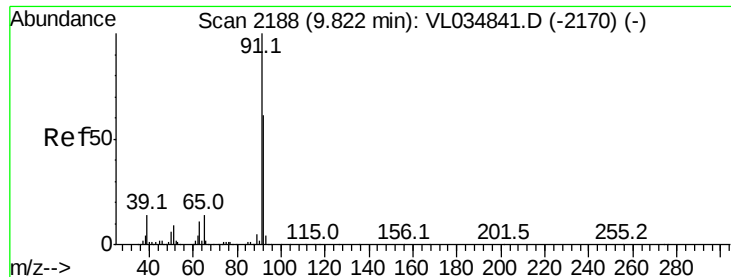
Tgt Ion: 43 Resp: 52576
Ion Ratio Lower Upper
43 100
58 45.5 38.6 58.0
98 1.7 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.086 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.02 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 164 Resp: 6008
Ion Ratio Lower Upper
164 100
166 104.6 100.0 150.0
129 91.7 83.1 124.7
131 81.4 77.2 115.8





#53

Toluene

Concen: 0.324 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

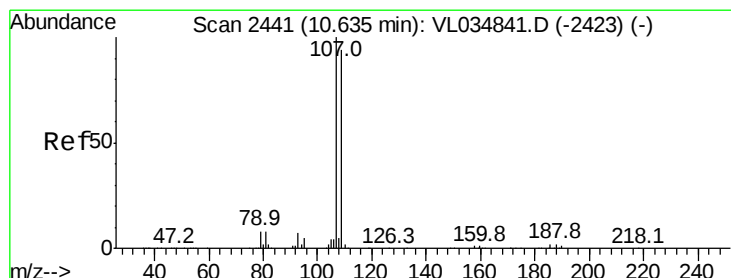
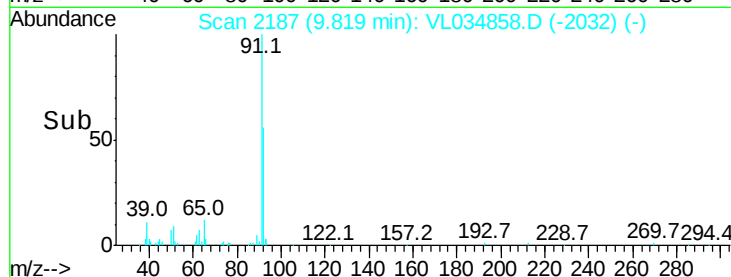
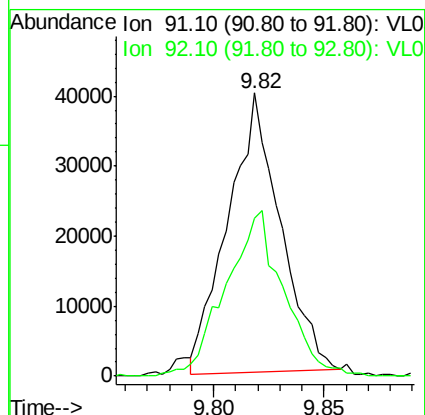
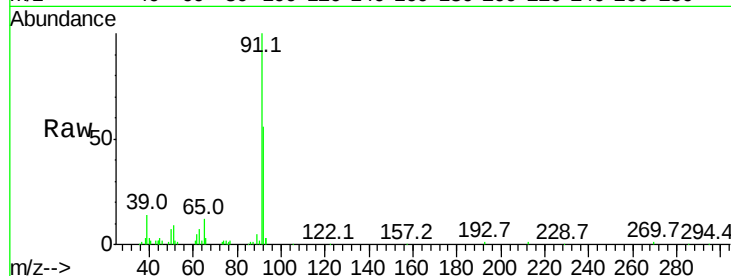
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 91 Resp: 65780

Ion Ratio Lower Upper

91 100

92 65.0 48.6 72.8



#54

1,2-Dibromoethane

Concen: 0.294 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034858.D

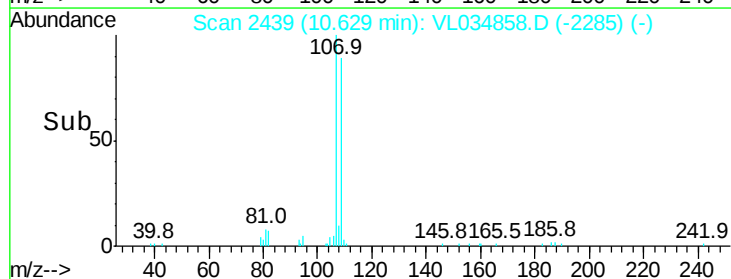
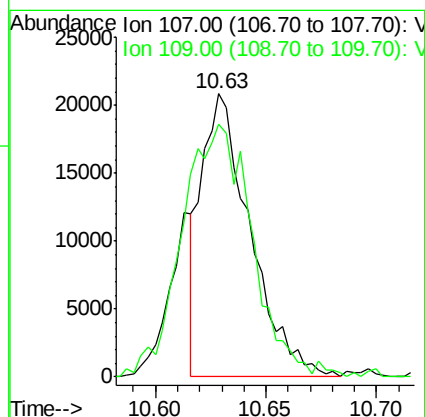
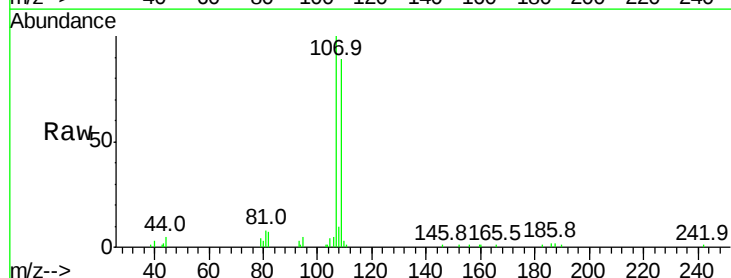
Acq: 10 Mar 2020 3:43

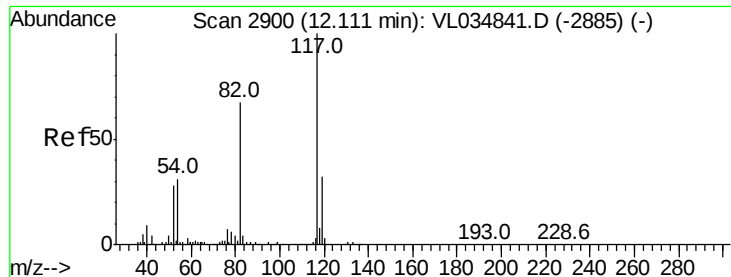
Tgt Ion: 107 Resp: 31705

Ion Ratio Lower Upper

107 100

109 90.8 74.9 112.3

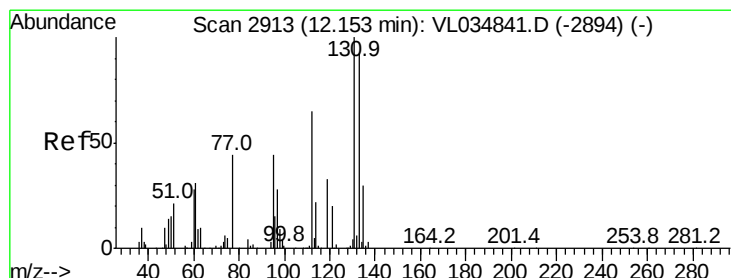
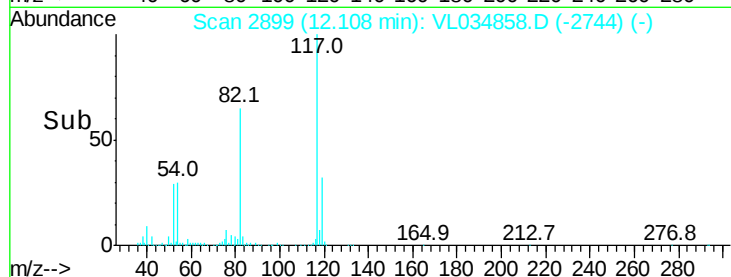
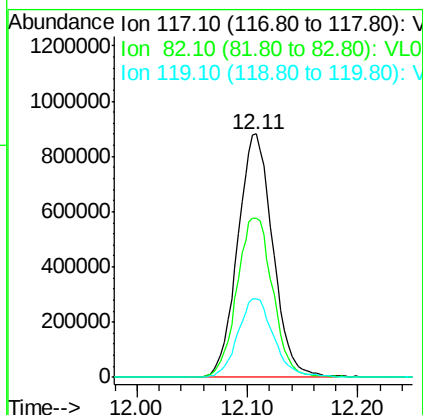
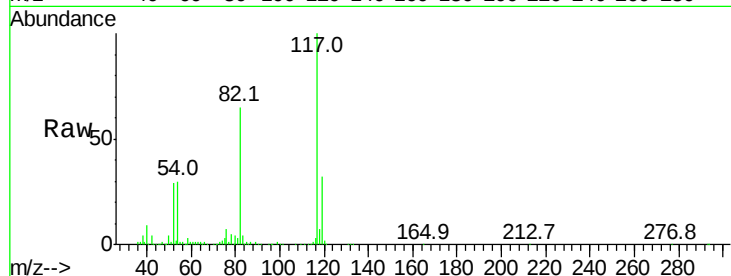




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

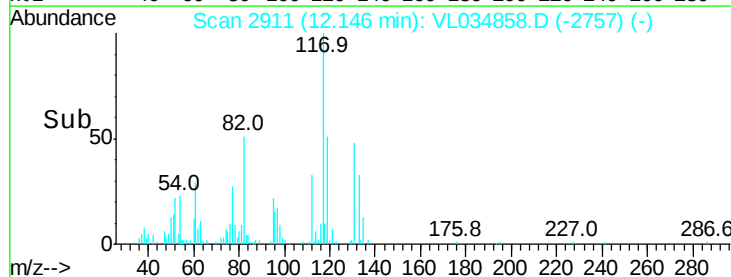
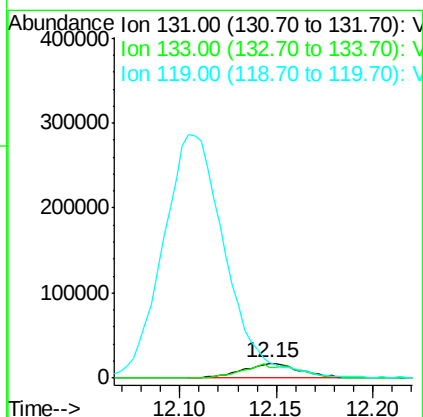
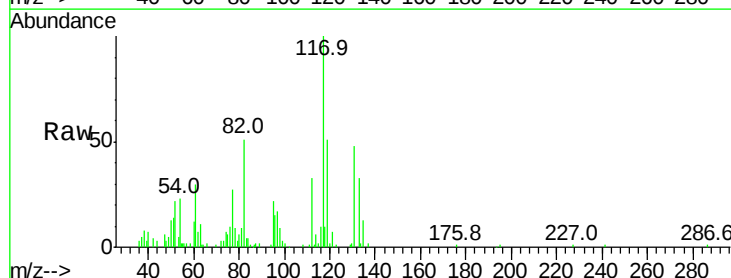
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

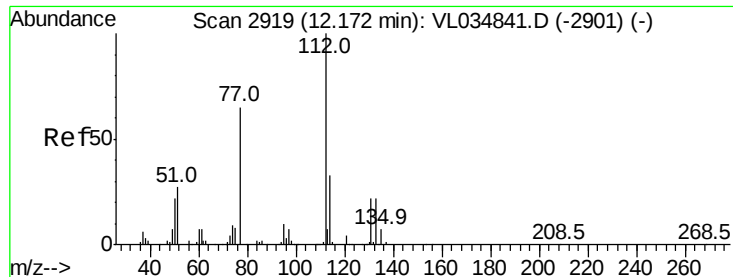
Tgt Ion:117 Resp: 1946424
Ion Ratio Lower Upper
117 100
82 67.1 51.1 76.7
119 33.2 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 0.406 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion:131 Resp: 35479
Ion Ratio Lower Upper
131 100
133 94.1 76.0 114.0
119 1821.7 47.8 71.8#

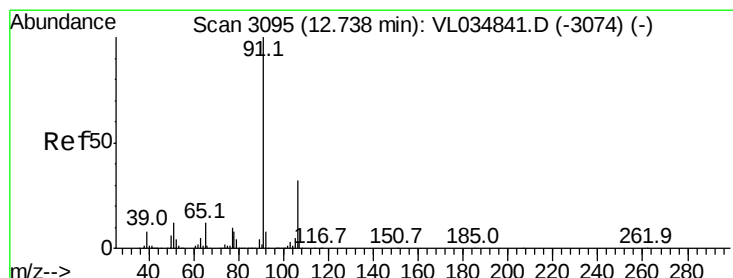
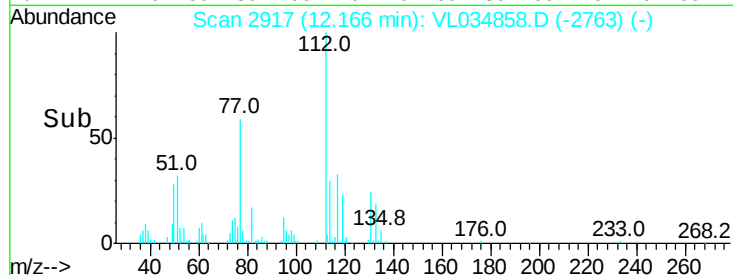
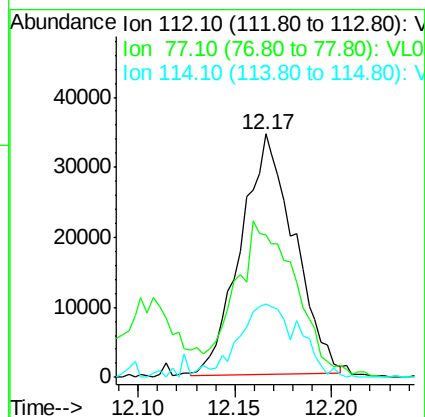
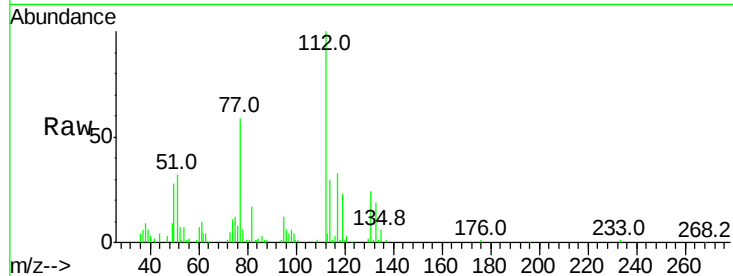




#57
Chlorobenzene
Concen: 0.433 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

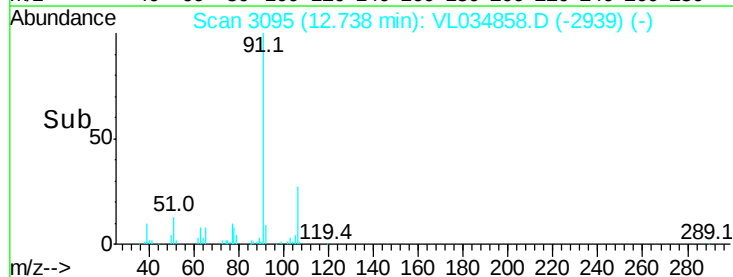
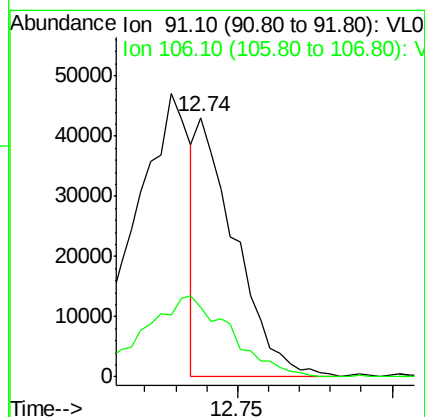
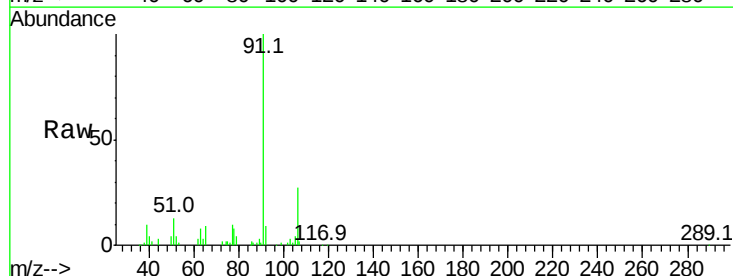
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

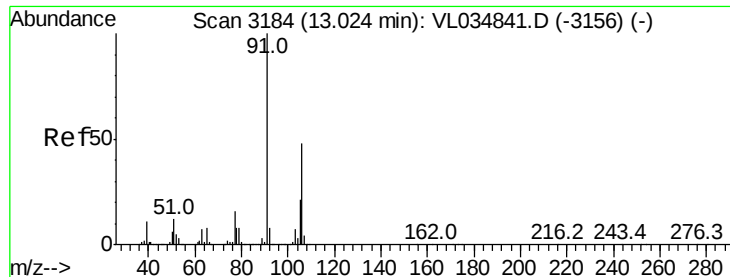
Tgt Ion: 112 Resp: 65917
Ion Ratio Lower Upper
112 100
77 54.7 53.0 79.6
114 30.9 29.5 36.1



#58
Ethyl Benzene
Concen: 0.143 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 91 Resp: 37603
Ion Ratio Lower Upper
91 100
106 26.8 25.8 38.6

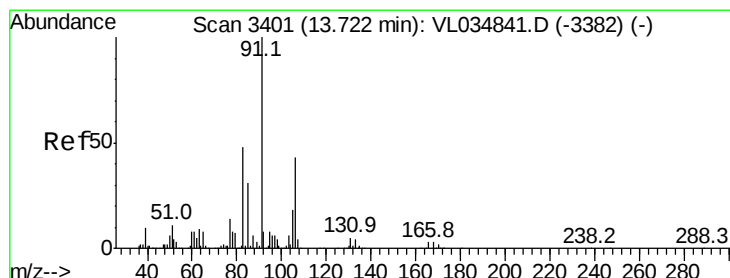
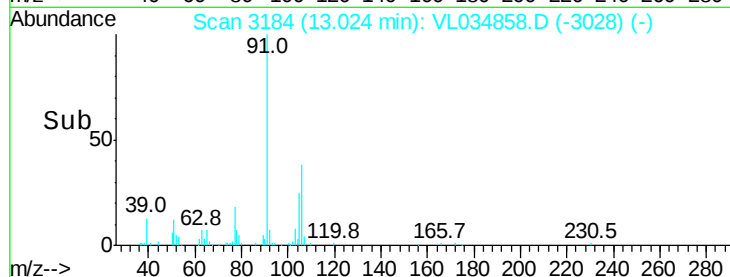
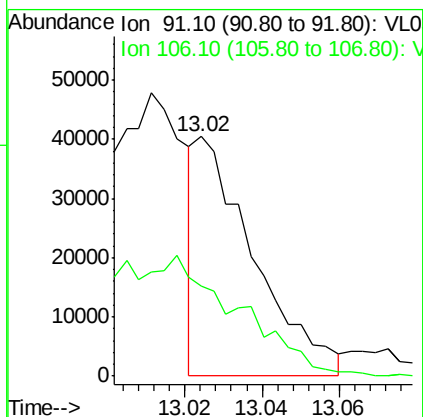
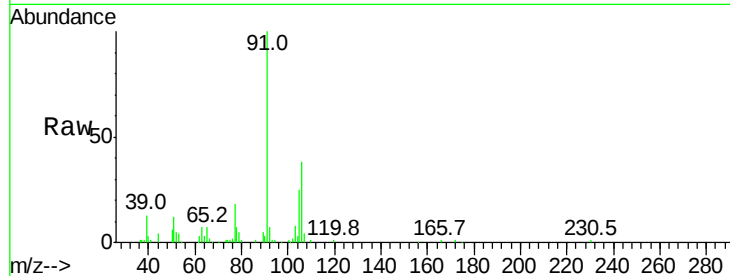




#59
m/p-Xylene
Concen: 0.191 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

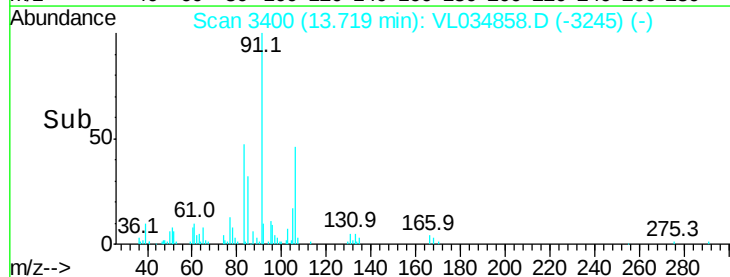
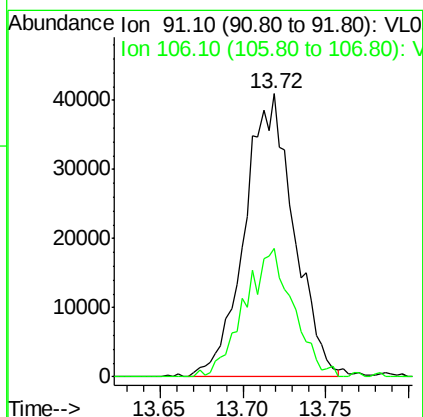
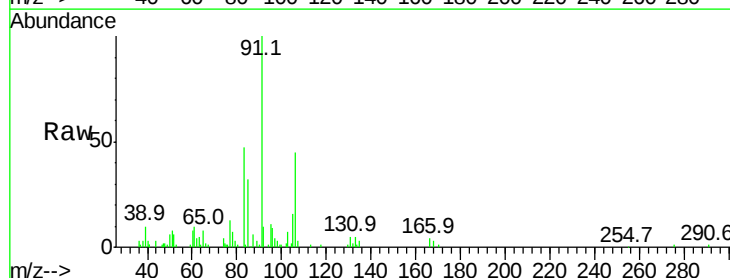
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

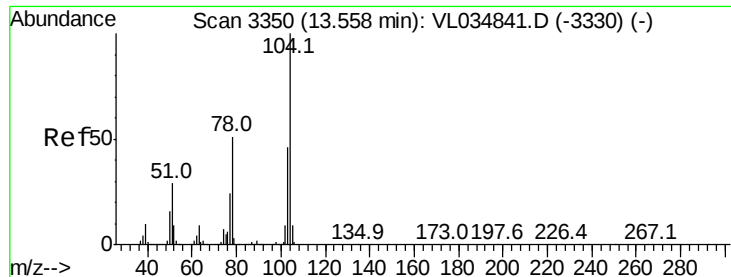
Tgt Ion: 91 Resp: 42143
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#



#60
o-Xylene
Concen: 0.392 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion: 91 Resp: 84494
Ion Ratio Lower Upper
91 100
106 45.3 22.5 67.5





#61

Styrene

Concen: 0.102 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

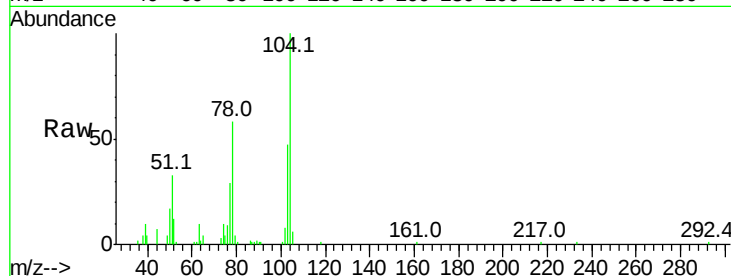
Tgt Ion:104 Resp: 15438

Ion Ratio Lower Upper

104 100

78 179.4 41.8 62.6#

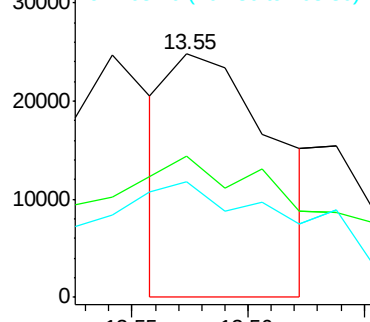
103 150.8 37.8 56.6#



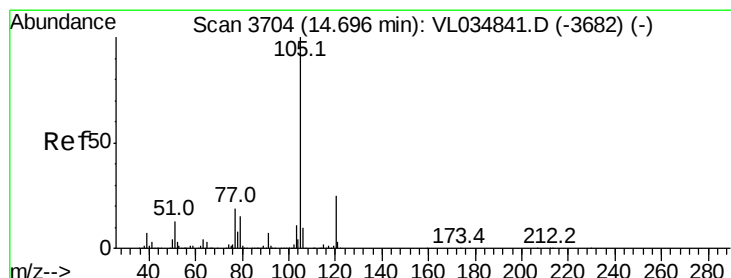
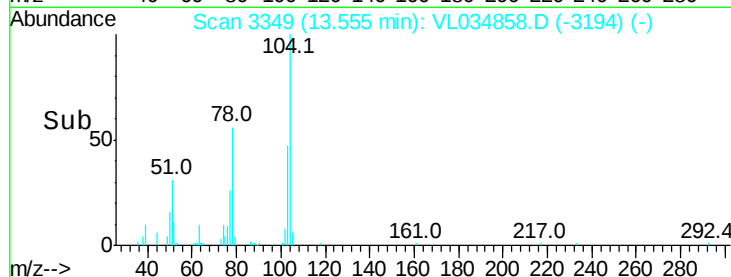
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



Time-->



#62

Isopropylbenzene

Concen: 0.408 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL034858.D

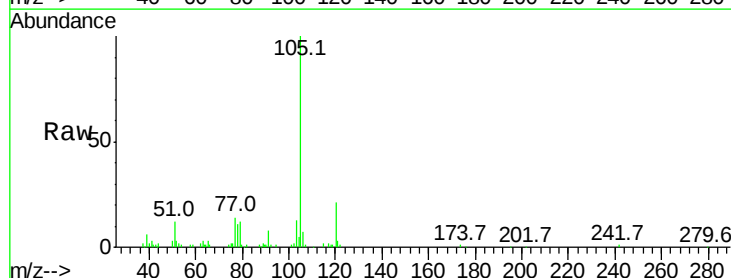
Acq: 10 Mar 2020 3:43

Tgt Ion:105 Resp: 132898

Ion Ratio Lower Upper

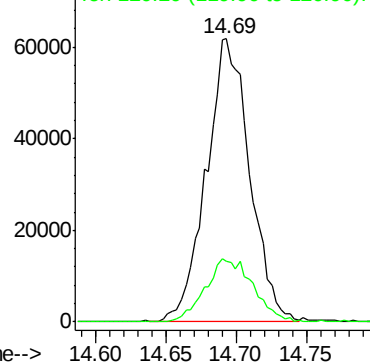
105 100

120 24.5 21.0 31.4

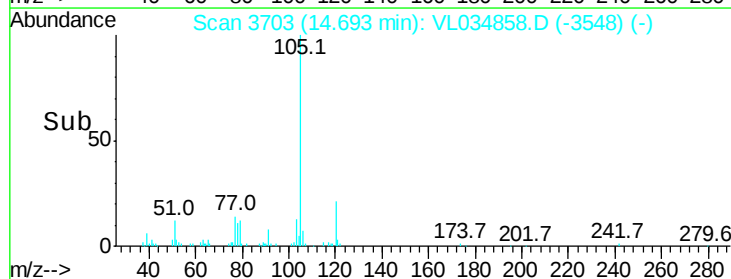


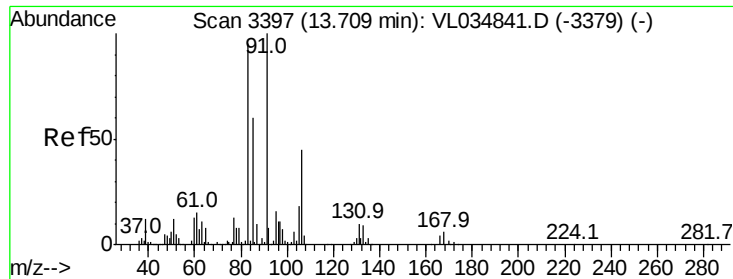
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->

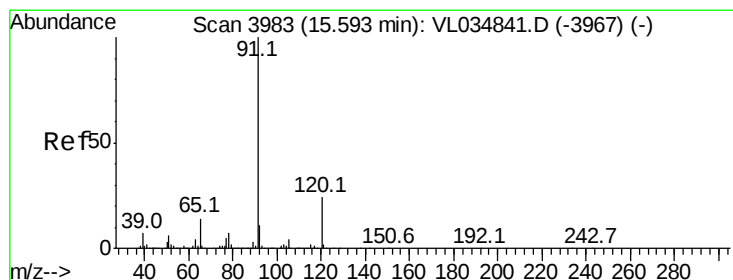
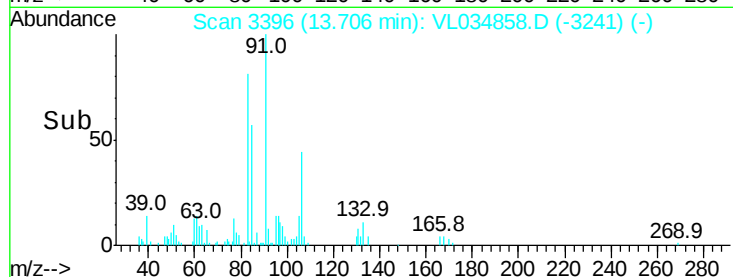
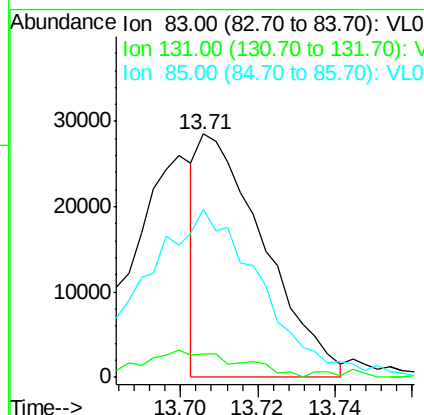
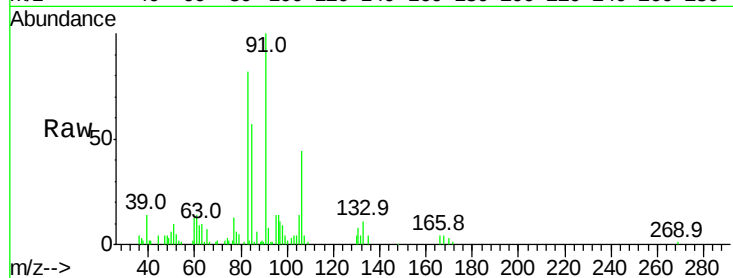




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.227 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

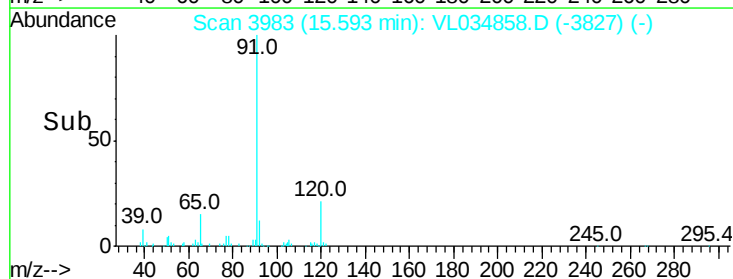
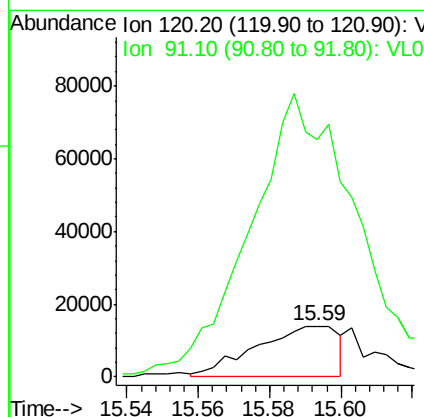
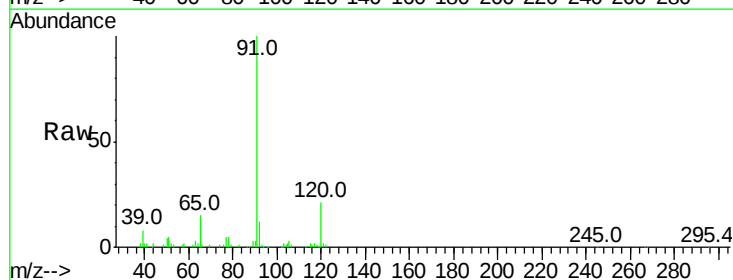
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

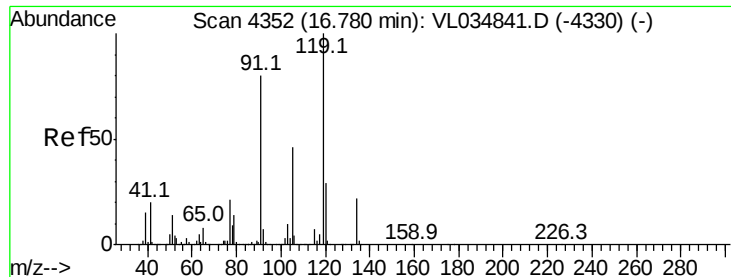
Tgt Ion: 83 Resp: 33268
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 14.9#
 85 129.7 32.4 97.2#



#64
 n-propylbenzene
 Concen: 0.266 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion: 120 Resp: 22585
 Ion Ratio Lower Upper
 120 100
 91 720.6 360.9 541.3#





#65

tert-Butylbenzene

Concen: 0.209 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

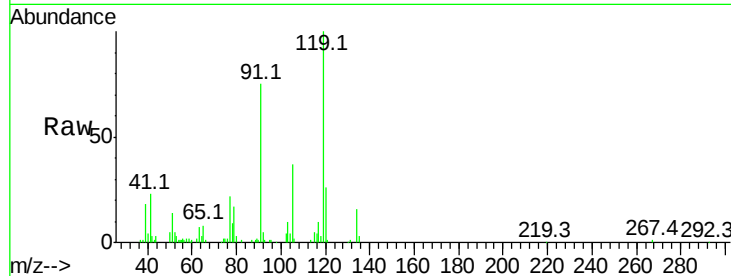
Tgt Ion: 119 Resp: 59648

Ion Ratio Lower Upper

119 100

91 152.2 64.9 97.3#

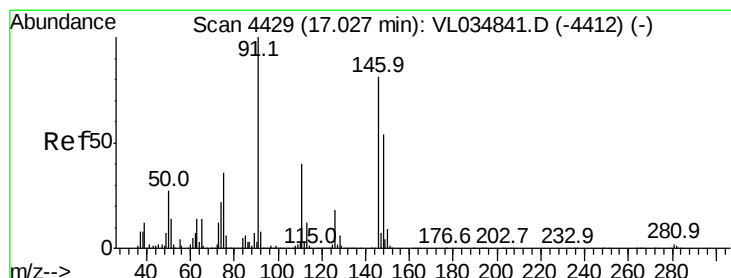
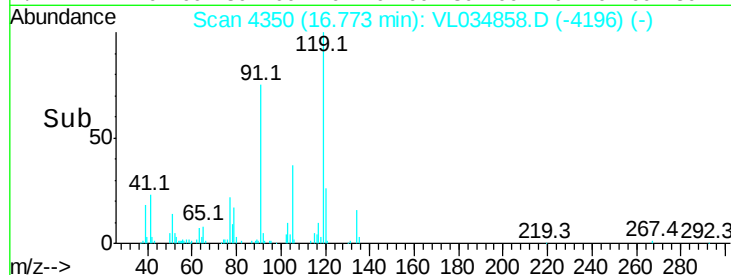
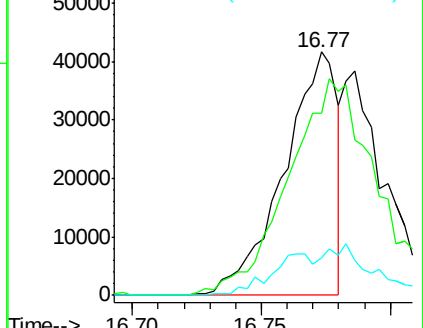
134 0.0 15.9 23.9#



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: 0.116 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

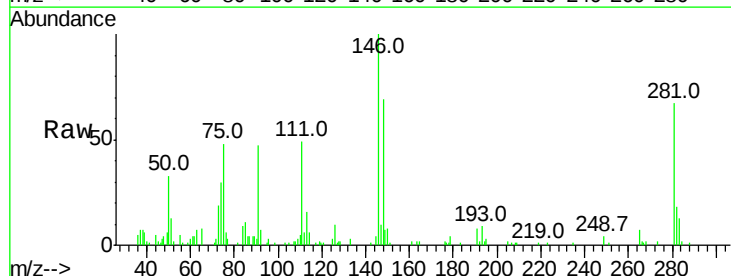
Tgt Ion: 91 Resp: 13832

Ion Ratio Lower Upper

91 100

126 0.0 14.7 22.1#

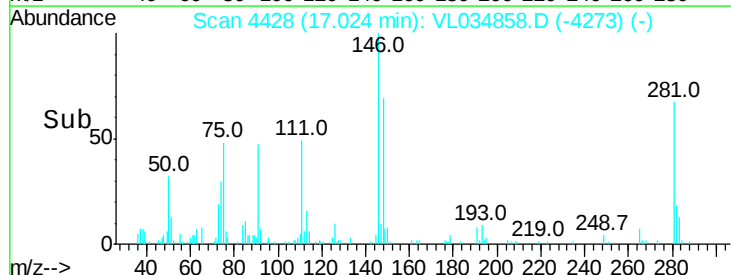
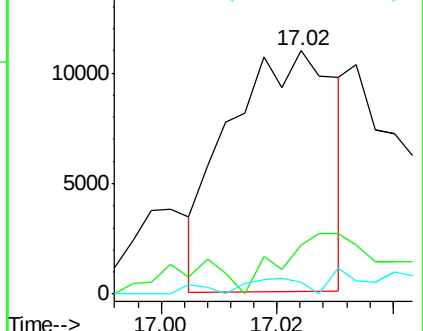
128 0.0 4.7 7.1#

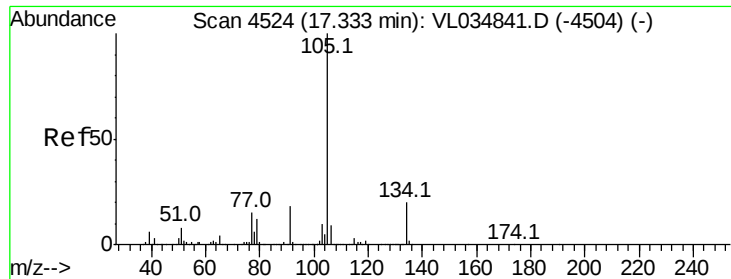


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

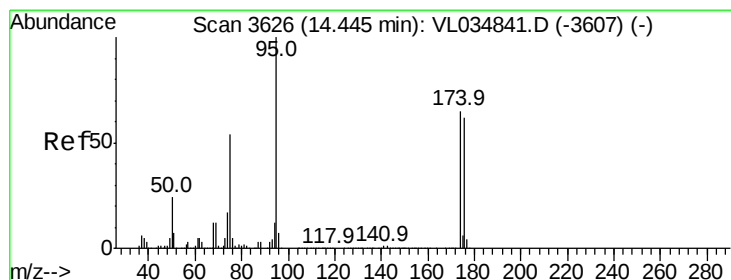
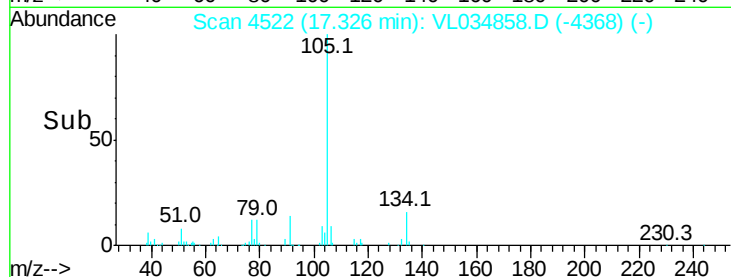
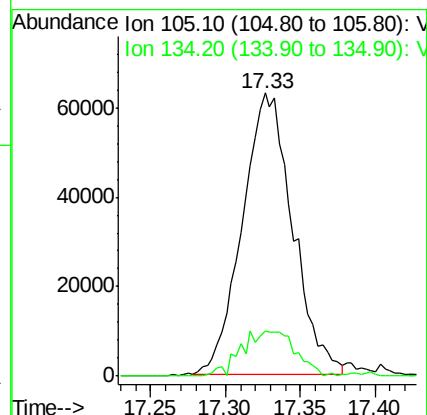
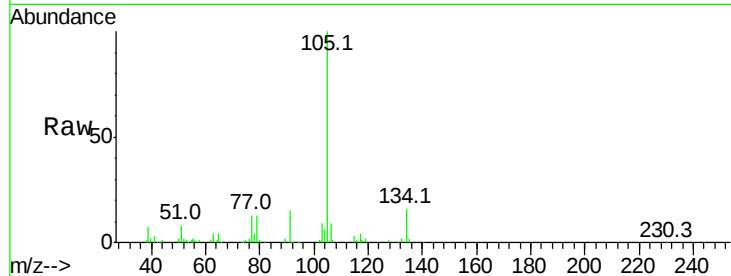




#67
 sec-Butylbenzene
 Concen: 0.372 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

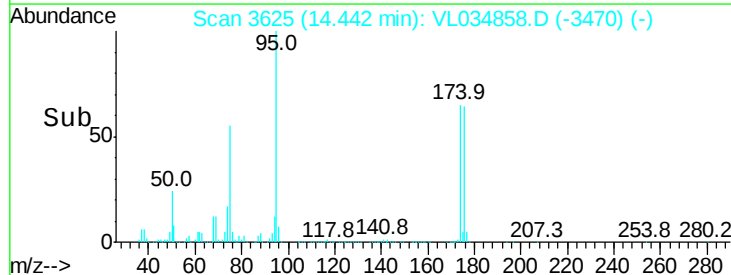
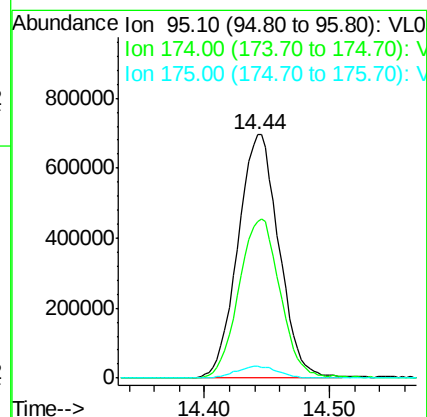
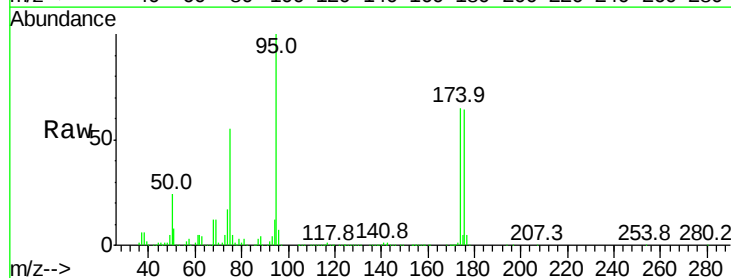
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

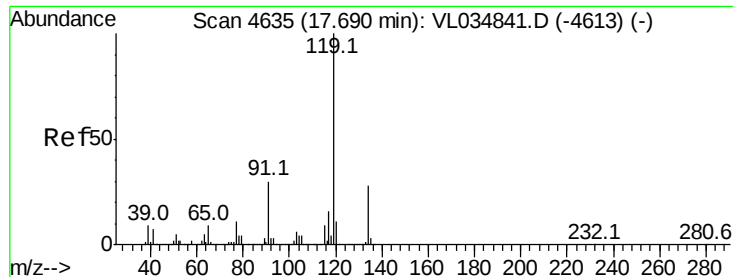
Tgt Ion: 105 Resp: 146970
 Ion Ratio Lower Upper
 105 100
 134 17.5 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.375 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion: 95 Resp: 1574912
 Ion Ratio Lower Upper
 95 100
 174 66.6 55.2 82.8
 175 5.0 4.3 6.5

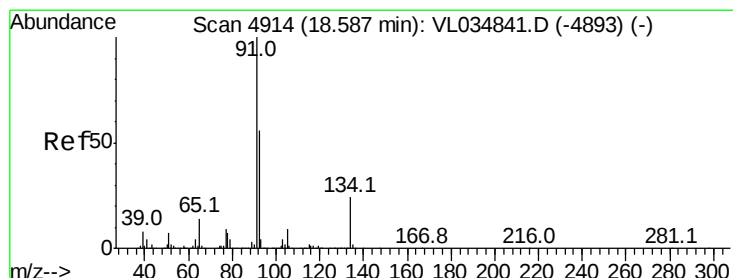
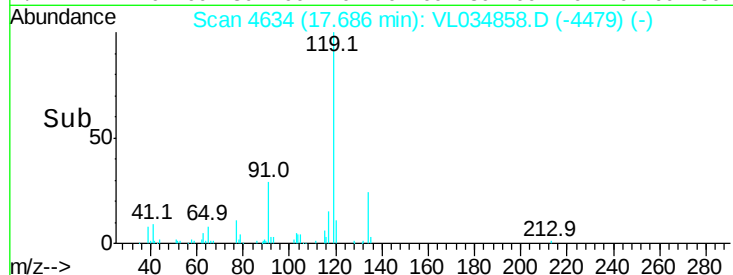
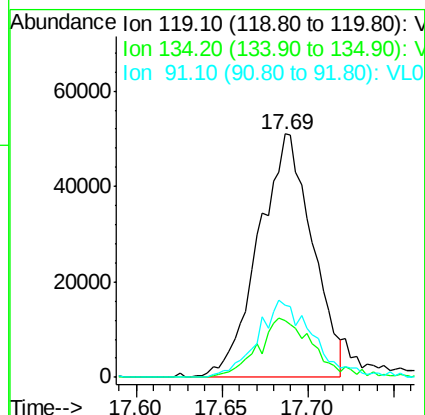
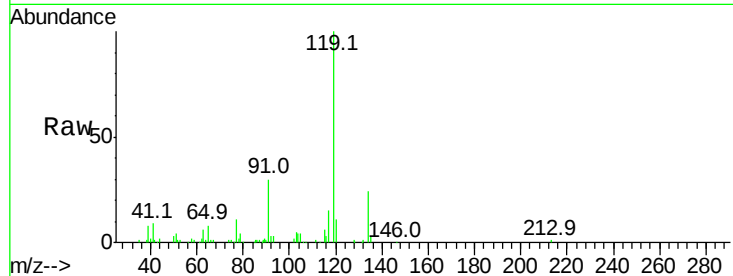




#69
 p-Isopropyltoluene
 Concen: 0.334 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

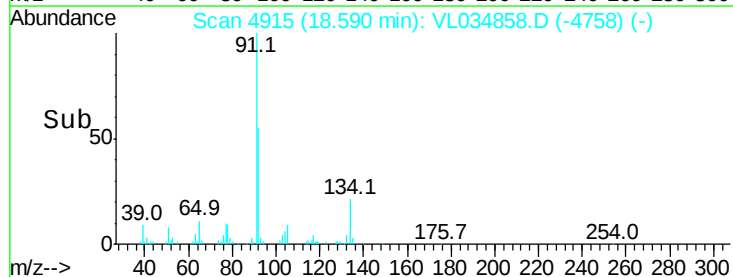
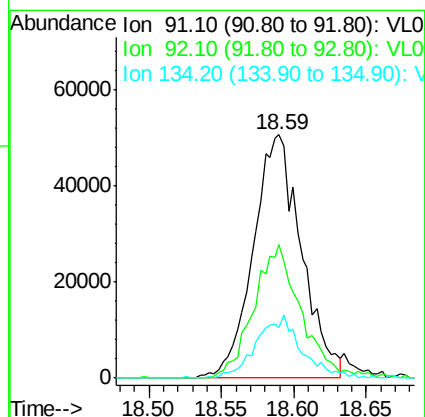
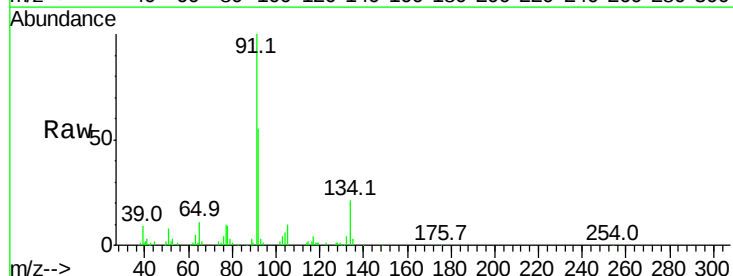
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

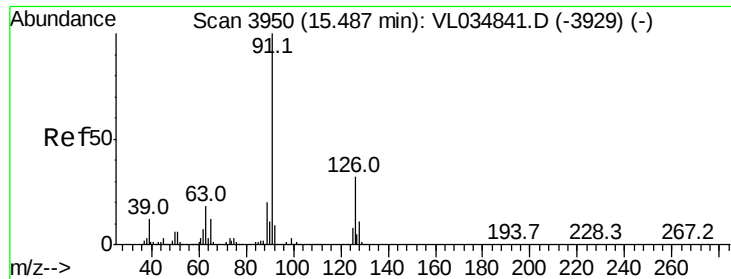
Tgt Ion:	119	Resp:	110560
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	32.5	23.4	35.2



#70
 n-Butylbenzene
 Concen: 0.345 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion:	91	Resp:	116691
Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.8	65.6
134	24.1	19.0	28.4





#71

2-Chlorotoluene

Concen: 0.164 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

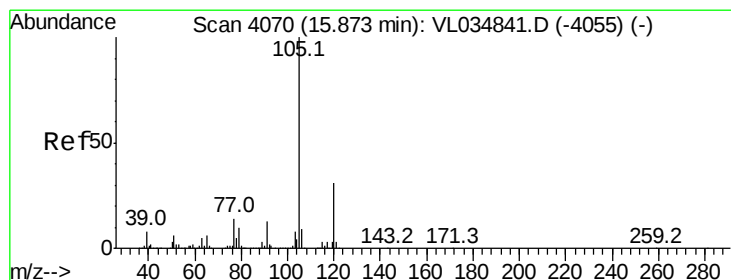
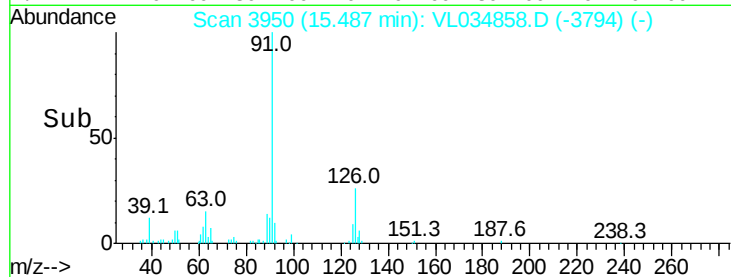
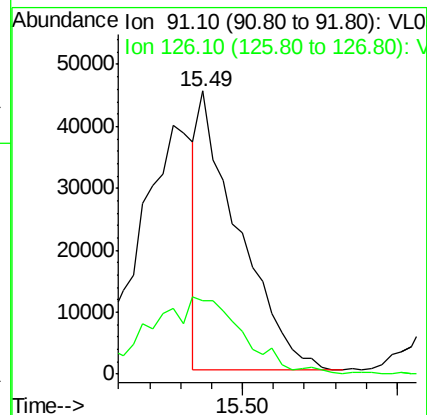
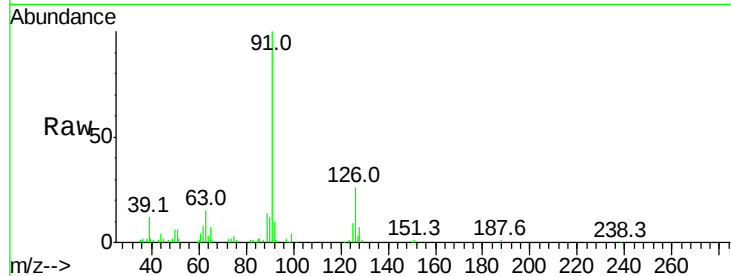
LOD-MDL-AIR-01-QT1-2020

Tgt Ion: 91 Resp: 40474

Ion Ratio Lower Upper

91 100

126 68.2 12.3 49.1#



#72

4-Ethyltoluene

Concen: 0.217 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Tgt Ion: 105 Resp: 55192

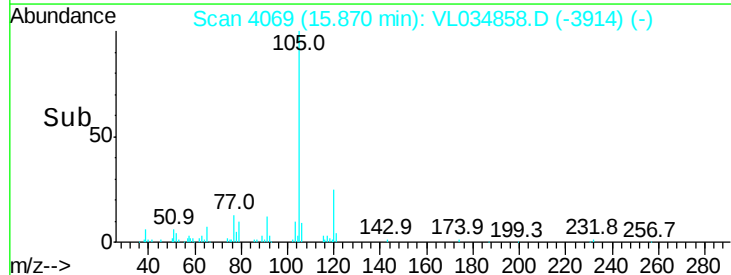
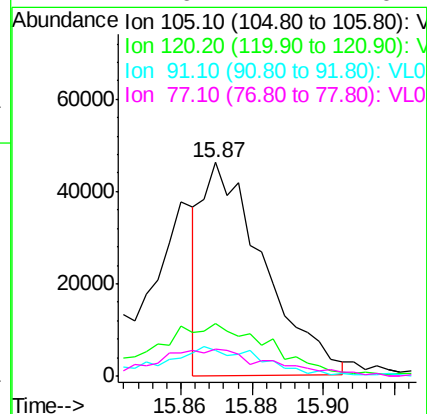
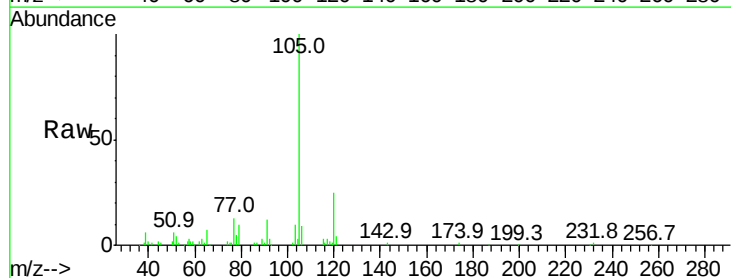
Ion Ratio Lower Upper

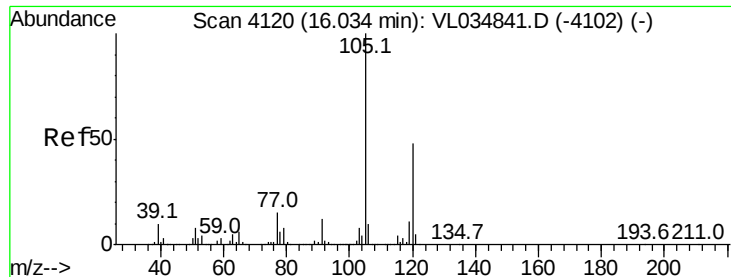
105 100

120 47.8 23.7 35.5#

91 23.4 10.5 15.7#

77 24.6 11.1 16.7#

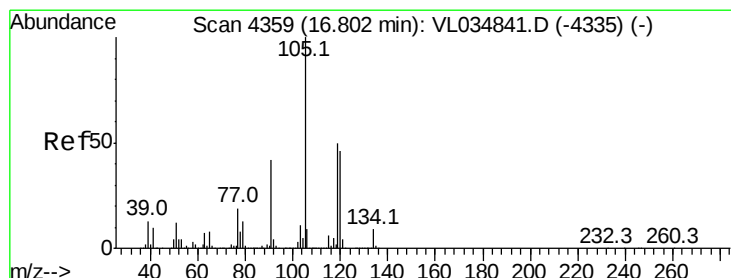
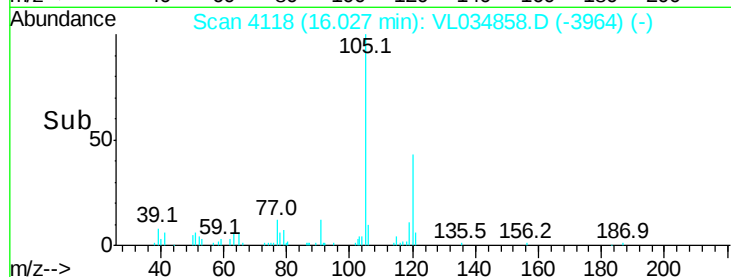
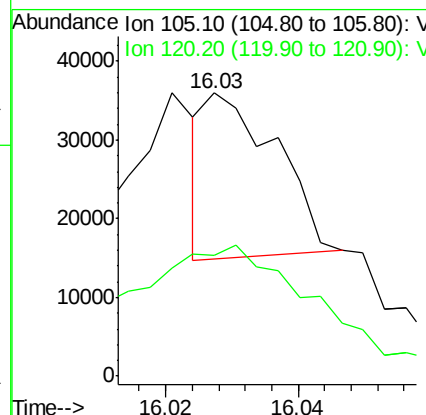
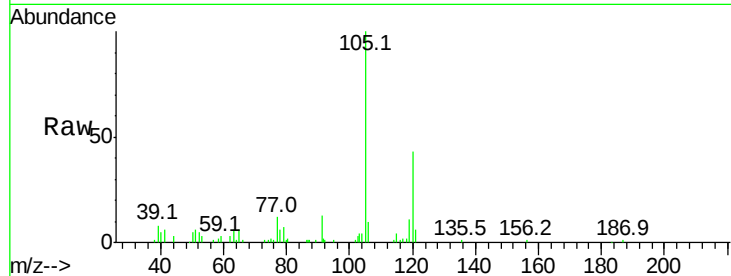




#73
 1,3,5-Trimethylbenzene
 Concen: 0.064 ppbv
 RT: 16.03 min Scan# 4118
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

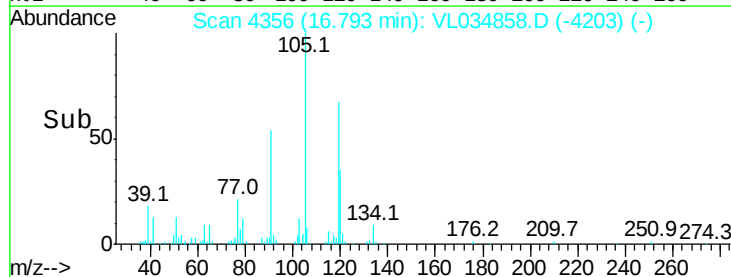
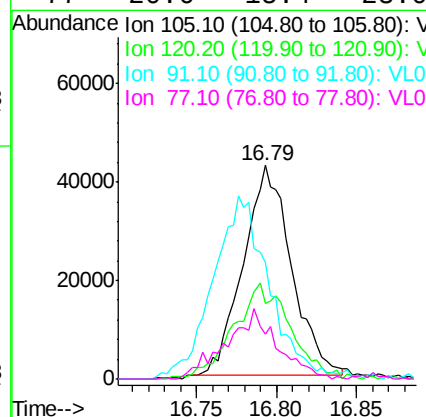
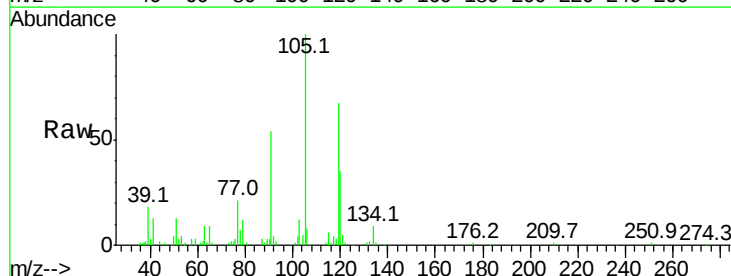
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

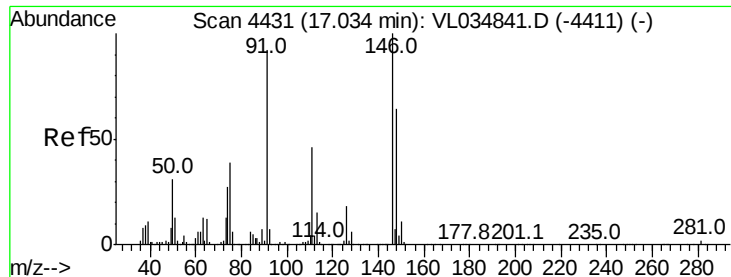
Tgt Ion:105 Resp: 15371
 Ion Ratio Lower Upper
 105 100
 120 40.5 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.358 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion:105 Resp: 87830
 Ion Ratio Lower Upper
 105 100
 120 36.0 37.0 55.4#
 91 52.5 33.8 50.6#
 77 20.6 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 0.435 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. 0.00 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT1-2020

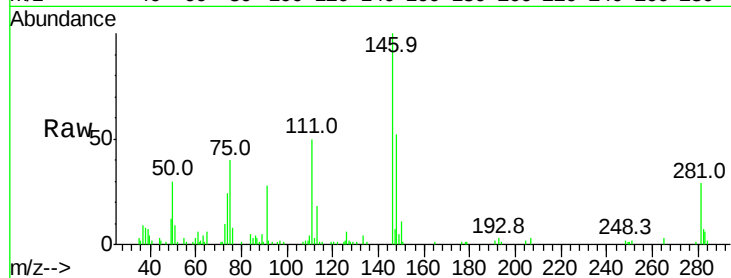
Tgt Ion:146 Resp: 64439

Ion Ratio Lower Upper

146 100

111 47.9 23.9 71.7

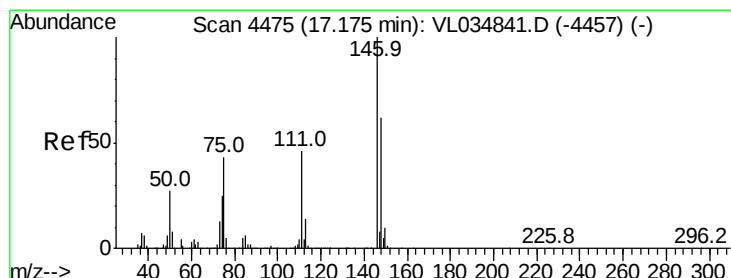
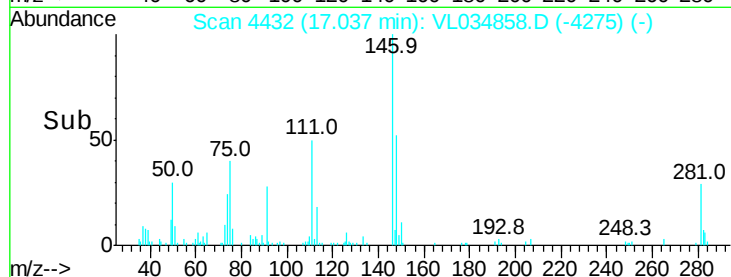
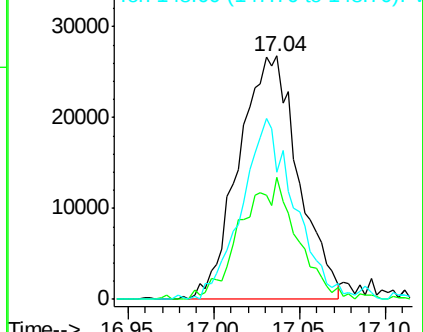
148 67.6 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.159 ppbv

RT: 17.17 min Scan# 4472

Delta R.T. -0.01 min

Lab File: VL034858.D

Acq: 10 Mar 2020 3:43

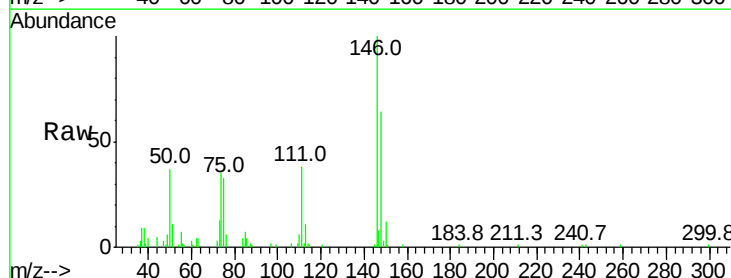
Tgt Ion:146 Resp: 23426

Ion Ratio Lower Upper

146 100

111 128.1 23.4 70.2#

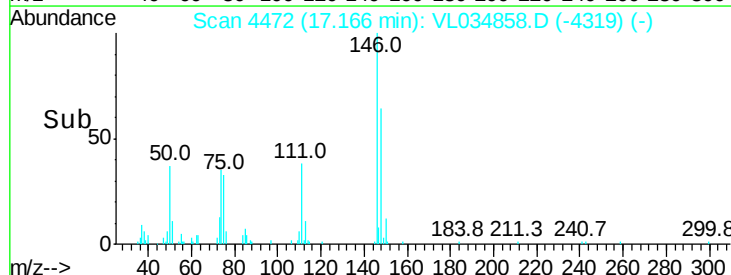
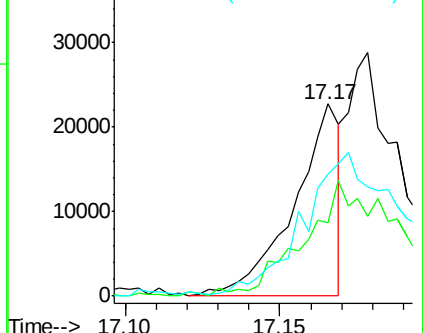
148 168.0 32.3 96.9#

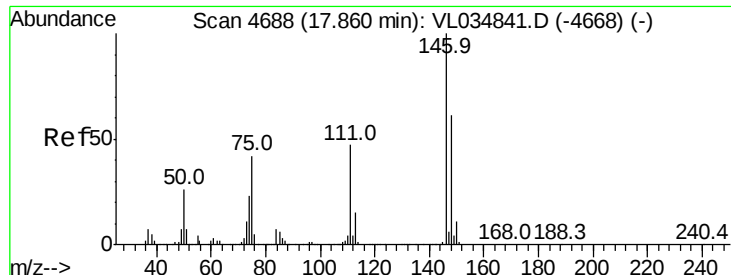


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

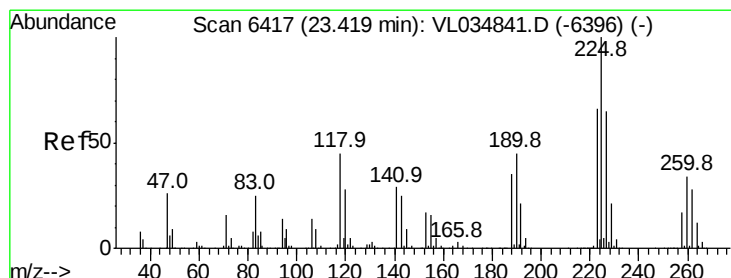
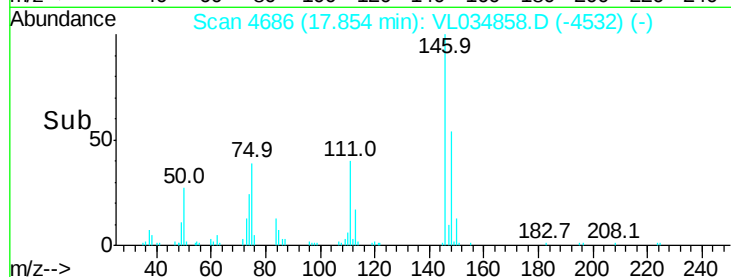
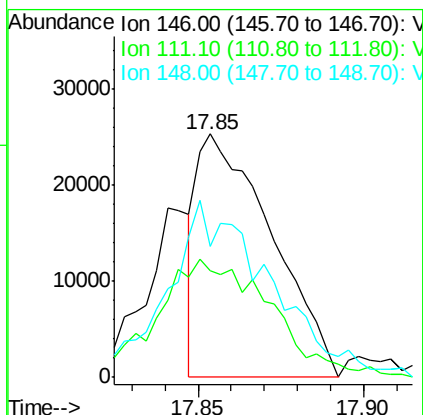
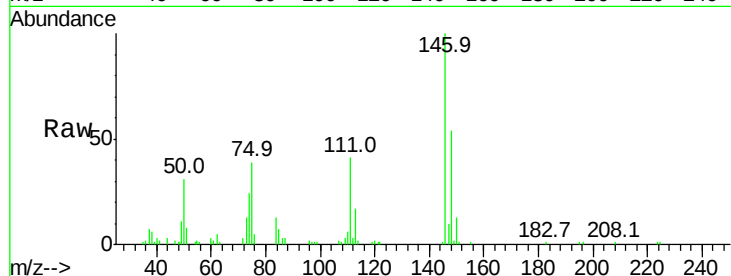




#77
 1,2-Dichlorobenzene
 Concen: 0.275 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

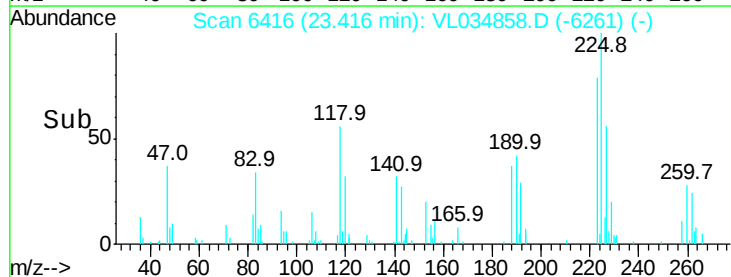
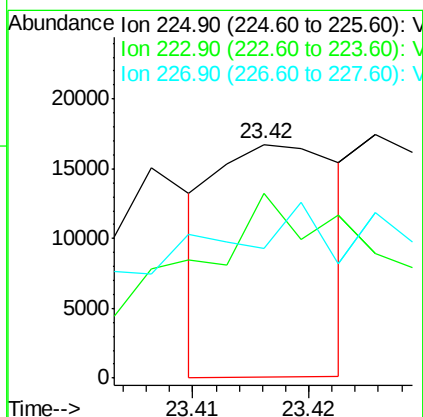
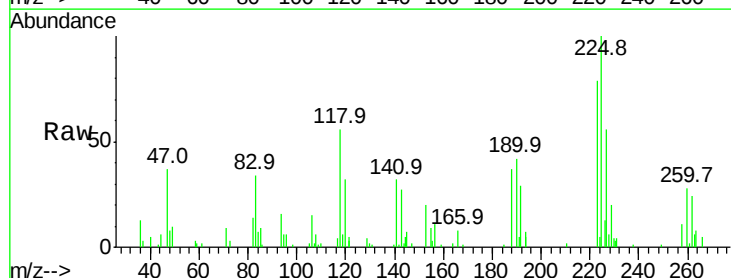
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

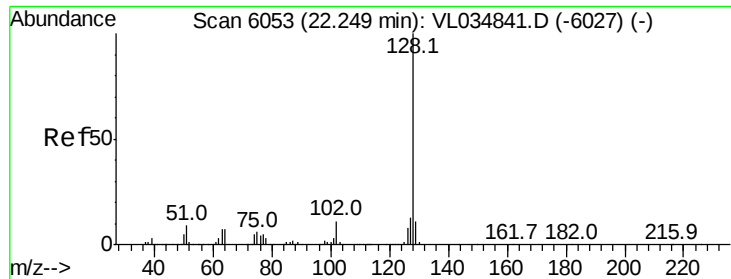
Tgt Ion:146 Resp: 39482
 Ion Ratio Lower Upper
 146 100
 111 74.8 23.8 71.4#
 148 102.1 31.6 94.8#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.102 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Tgt Ion:225 Resp: 12275
 Ion Ratio Lower Upper
 225 100
 223 219.7 51.1 76.7#
 227 223.9 51.8 77.6#

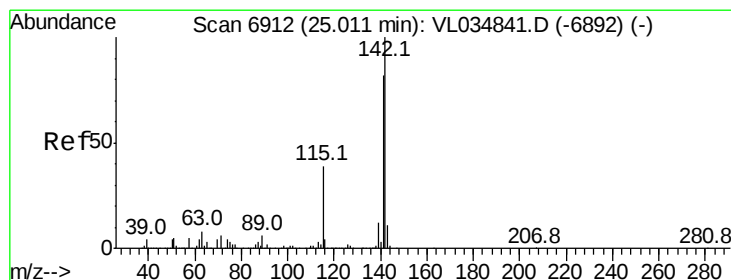
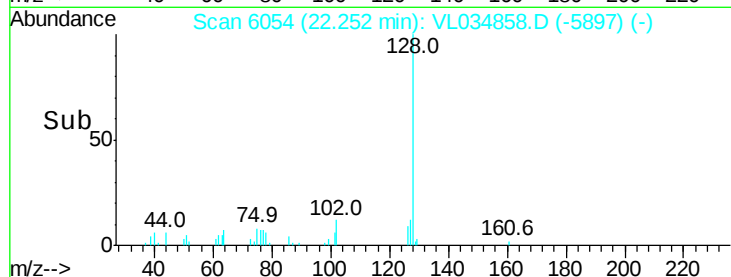
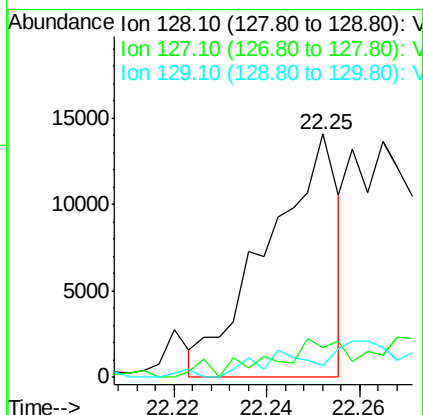
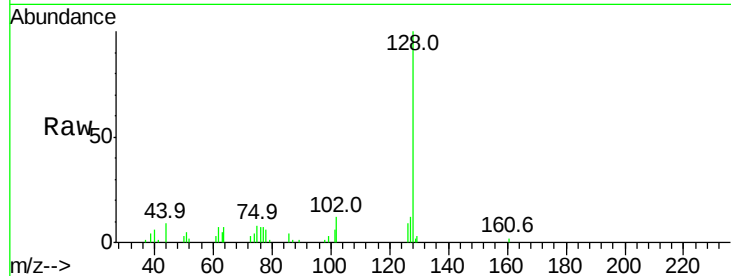




#79
Naphthalene
Concen: 0.077 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

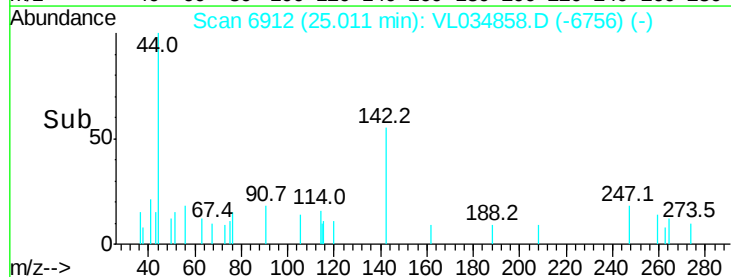
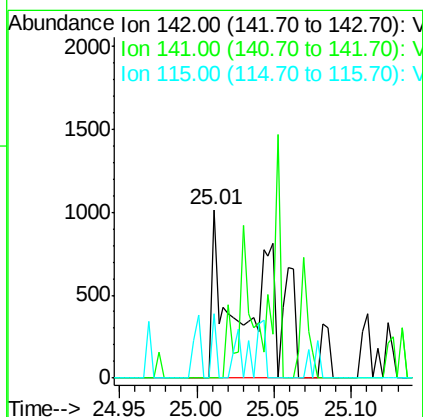
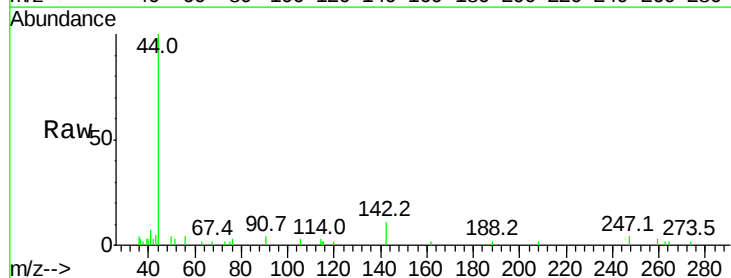
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT1-2020

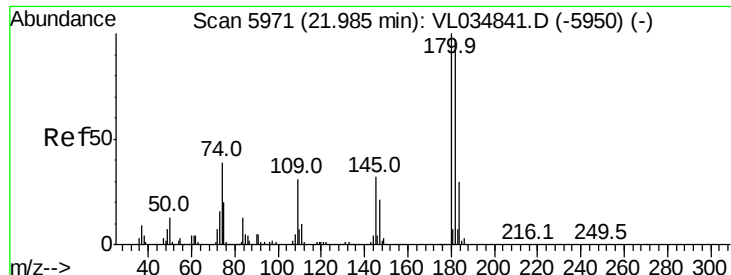
Tgt Ion:128 Resp: 14768
Ion Ratio Lower Upper
128 100
127 11.1 10.2 15.2
129 1.8 8.6 13.0#



#80
Naphthalene, 2-methyl-
Concen: 0.034 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.00 min
Lab File: VL034858.D
Acq: 10 Mar 2020 3:43

Tgt Ion:142 Resp: 1714
Ion Ratio Lower Upper
142 100
141 0.0 68.9 103.3#
115 19.7 33.2 49.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.059 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. -0.01 min
 Lab File: VL034858.D
 Acq: 10 Mar 2020 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2020

Tgt Ion:180 Resp: 7228
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.6 115.0#
 184 0.0 25.0 37.4#

