

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050719\
 Data File : VL033680.D
 Acq On : 7 May 2019 13:39
 Operator : SY/AP
 Sample : K2241-13 0.4PPB
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

Quant Time: May 08 02:23:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	965226	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2297838	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2271705	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.57	95	1846239	9.91	ppbv	0.00	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	112294	0.496	ppbv	98
3) Chlorodifluoromethane	3.01	51	68165	0.489	ppbv	97
4) Chloromethane	3.17	50	32969	0.455	ppbv #	83
5) Vinyl Chloride	3.29	62	30942	0.439	ppbv	93
6) Bromomethane	3.51	94	19865	0.444	ppbv	98
7) Chloroethane	3.60	64	10934	0.427	ppbv #	79
8) Dichlorotetrafluoroethane	3.22	85	84775	0.455	ppbv	99
9) Propene	3.04	41	23932	0.450	ppbv	93
10) Heptane	8.24	43	48189	0.367	ppbv	97
11) Trichlorofluoromethane	4.00	101	98262	0.465	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.55	101	64397	0.453	ppbv	99
13) Ethanol	3.65	45	4156	0.261	ppbv #	1
14) Bromoethene	3.79	108	24224	0.432	ppbv #	94
15) Acetone	3.91	43	71426	0.497	ppbv	97
16) 1,3-Butadiene	3.36	39	26963	0.438	ppbv	99
18) 1,1-Dichloroethene	4.35	96	25786	0.420	ppbv	88
19) Isopropyl Alcohol	4.04	45	42981	0.487	ppbv #	93
20) Methylene Chloride	4.41	84	26366	0.484	ppbv	87
21) Allyl Chloride	4.48	41	37939	0.436	ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	28634	0.465	ppbv	87
23) Vinyl Acetate	5.15	43	80179	0.430	ppbv #	95
24) 1,1-Dichloroethane	5.08	63	65444	0.464	ppbv	97
25) Ethyl Acetate	5.77	43	105850	0.453	ppbv	99
26) Hexane	5.78	57	42501	0.423	ppbv	84
27) Carbon Disulfide	4.62	76	28711	0.209	ppbv #	39
28) Methyl tert-Butyl Ether	5.12	73	71802	0.425	ppbv	98
29) Chloroform	5.84	83	84974	0.471	ppbv	94
30) Cyclohexane	7.24	84	13557	0.161	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	41863	0.419	ppbv	90
32) 1,1,1-Trichloroethane	6.62	97	78739	0.422	ppbv	96
34) 2-Butanone	5.34	43	63026	0.428	ppbv	98
35) Carbon Tetrachloride	7.13	117	82605	0.437	ppbv	89
36) Benzene	7.00	78	81096	0.394	ppbv	94
37) 1,2-Dichloroethane	6.40	62	61444	0.427	ppbv	100
38) Trichloroethene	7.95	130	31067	0.411	ppbv	96
39) 1,2-Dichloropropane	7.73	63	34552	0.450	ppbv	95
40) 1,4-Dioxane	7.99	88	11314	0.369	ppbv #	81
41) Tetrahydrofuran	6.17	42	28703	0.377	ppbv	97
42) Bromodichloromethane	7.91	83	78272	0.422	ppbv #	95
43) Methyl Methacrylate	8.14	69	26158	0.338	ppbv	94
44) 2,2,4-Trimethylpentane	7.99	57	136752	0.388	ppbv	92

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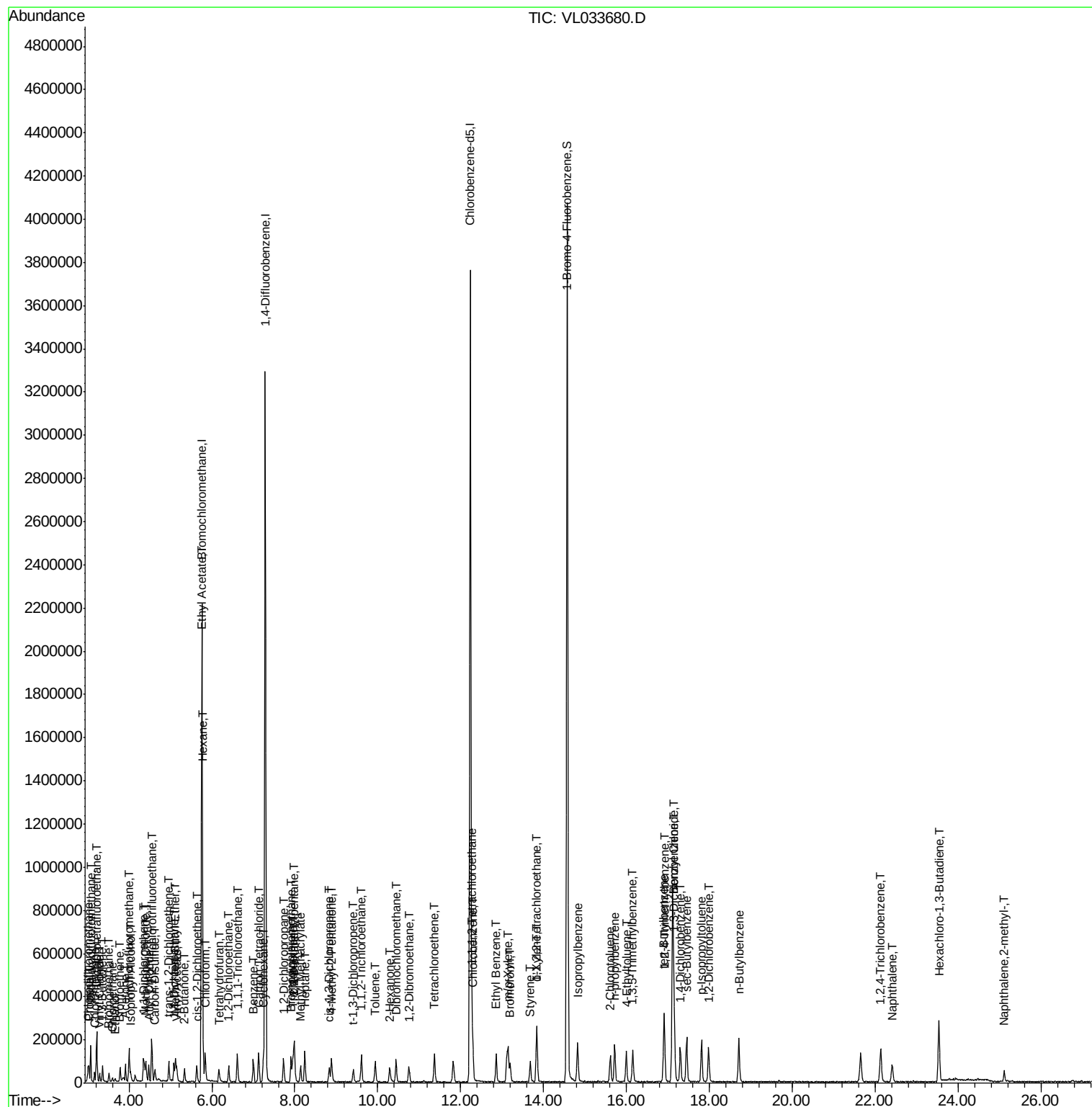
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.41	75	29436	0.309	ppbv #	87
46) cis-1,3-Dichloropropene	8.83	75	37619	0.317	ppbv	88
47) 1,1,2-Trichloroethane	9.61	97	38896	0.441	ppbv	95
48) Dibromochloromethane	10.44	129	38550	0.258	ppbv #	53
49) Bromoform	13.19	173	26274	0.202	ppbv #	27
50) 4-Methyl-2-Pentanone	8.89	43	84022	0.377	ppbv	94
51) 2-Hexanone	10.29	43	53519	0.310	ppbv #	95
52) Tetrachloroethene	11.37	164	11263	0.154	ppbv	96
53) Toluene	9.94	91	75370	0.339	ppbv	98
54) 1,2-Dibromoethane	10.75	107	54498	0.410	ppbv	90
56) 1,1,1,2-Tetrachloroethane	12.28	131	16118	0.154	ppbv #	10
57) Chlorobenzene	12.30	112	31666	0.170	ppbv	97
58) Ethyl Benzene	12.86	91	100450	0.339	ppbv	92
59) m/p-Xylene	13.14	91	91569	0.351	ppbv #	30
60) o-Xylene	13.84	91	99152	0.375	ppbv	100
61) Styrene	13.68	104	32445	0.185	ppbv #	51
62) Isopropylbenzene	14.82	105	133574	0.370	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	84460	0.439	ppbv	96
64) n-propylbenzene	15.71	120	31674	0.340	ppbv	75
65) tert-Butylbenzene	16.90	119	115642	0.350	ppbv	90
66) Benzyl Chloride	17.14	91	23836	0.158	ppbv #	65
67) sec-Butylbenzene	17.45	105	88454	0.192	ppbv #	62
69) p-Isopropyltoluene	17.81	119	130129	0.342	ppbv	96
70) n-Butylbenzene	18.71	91	147964	0.367	ppbv	96
71) 2-Chlorotoluene	15.61	91	92306	0.347	ppbv	99
72) 4-Ethyltoluene	16.00	105	103553	0.334	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.15	105	105070	0.350	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	61777	0.185	ppbv	97
75) 1,3-Dichlorobenzene	17.15	146	54972	0.273	ppbv #	35
76) 1,4-Dichlorobenzene	17.30	146	46193	0.242	ppbv #	38
77) 1,2-Dichlorobenzene	17.98	146	76604	0.410	ppbv	97
78) Hexachloro-1,3-Butadiene	23.53	225	38790	0.262	ppbv #	26
79) Naphthalene	22.41	128	99803	0.328	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	26434	0.230	ppbv	93
81) 1,2,4-Trichlorobenzene	22.13	180	38571	0.218	ppbv #	14

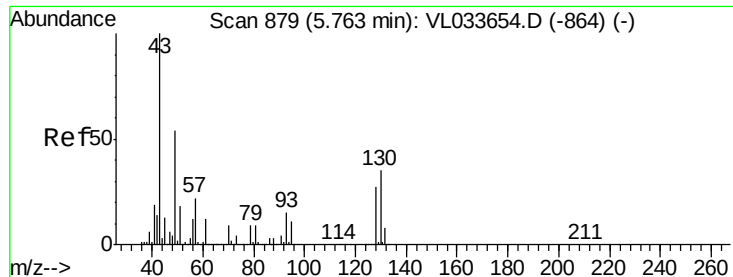
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

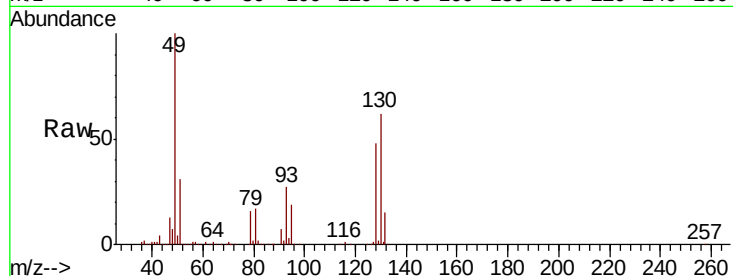
Tgt Ion: 49 Resp: 965226

Ion Ratio Lower Upper

49 100

128 49.1 24.8 74.3

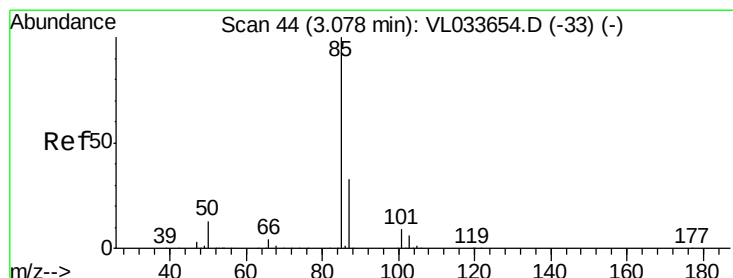
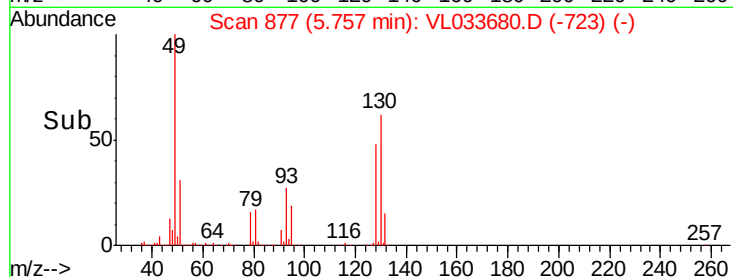
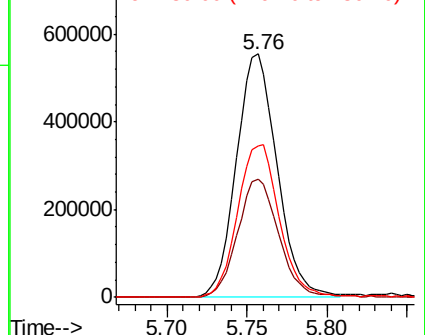
130 64.9 32.1 96.5



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: 0.496 ppbv

RT: 3.07 min Scan# 43

Delta R.T. -0.00 min

Lab File: VL033680.D

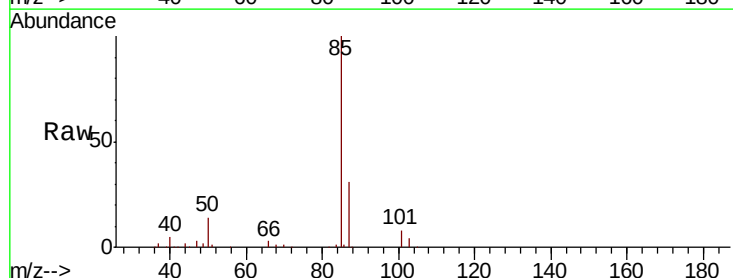
Acq: 7 May 2019 13:39

Tgt Ion: 85 Resp: 112294

Ion Ratio Lower Upper

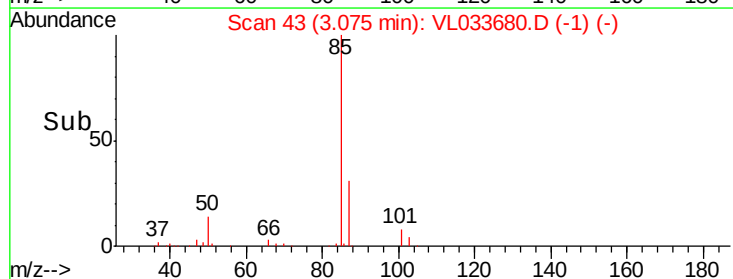
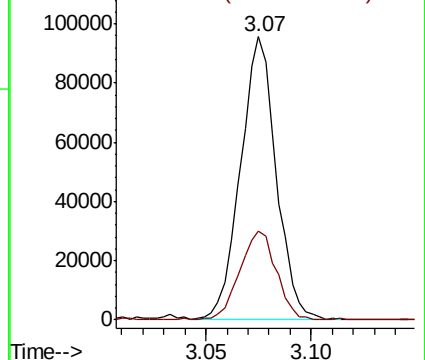
85 100

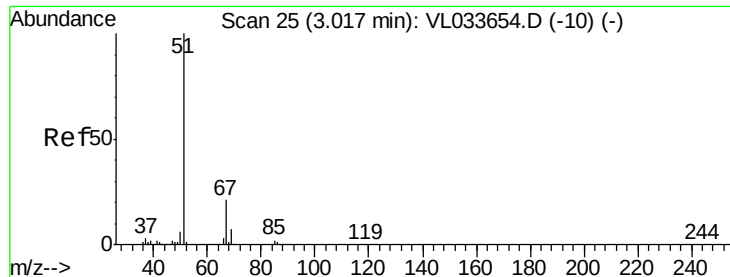
87 31.3 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

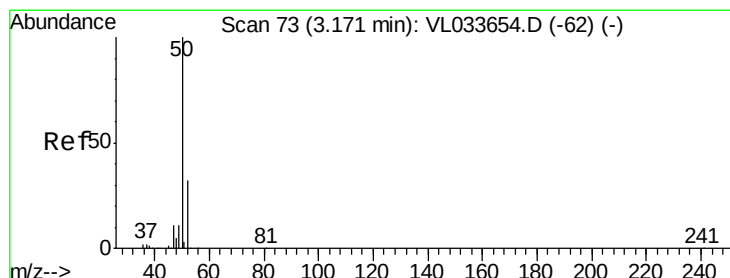
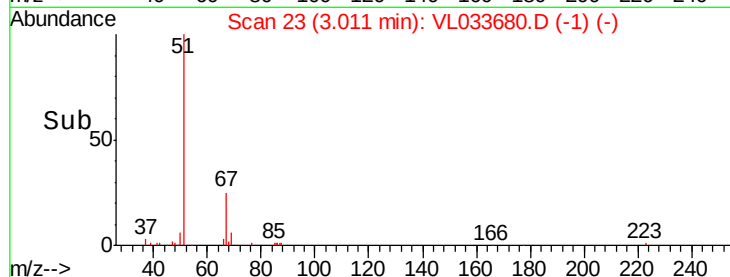
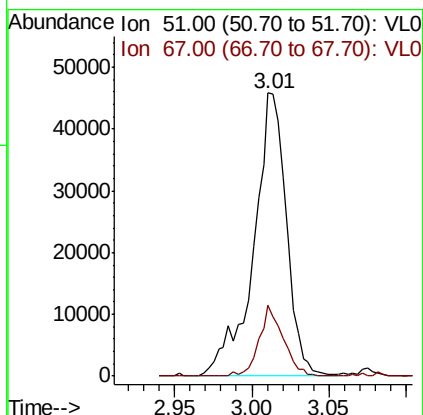
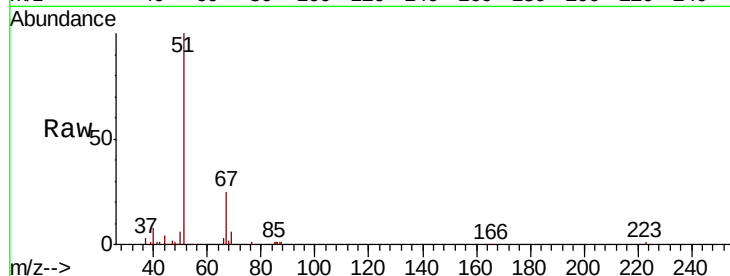




#3
Chlorodifluoromethane
Concen: 0.489 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

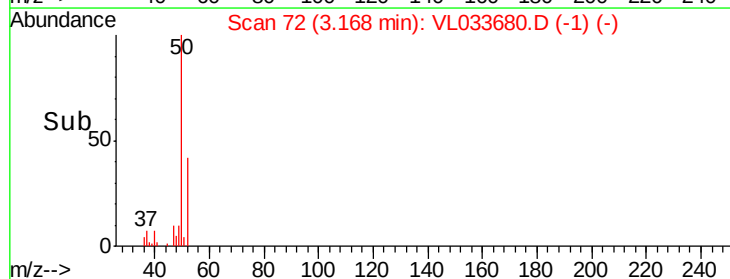
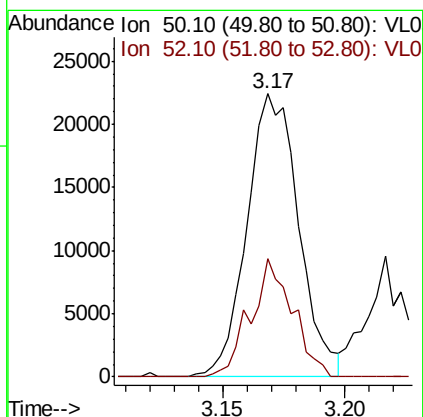
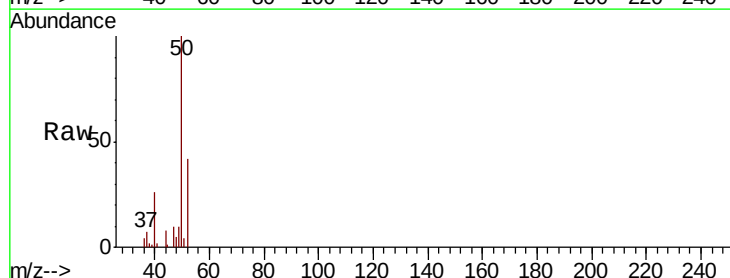
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

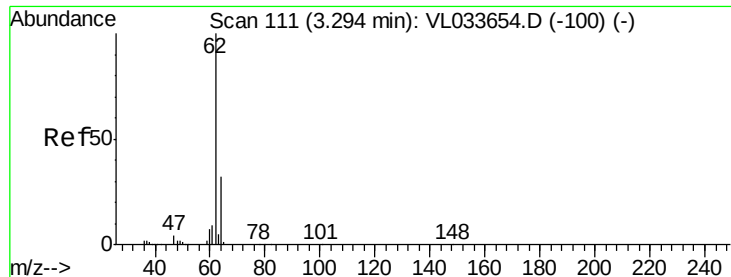
Tgt Ion: 51 Resp: 68165
Ion Ratio Lower Upper
51 100
67 18.3 15.7 23.5



#4
Chloromethane
Concen: 0.455 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

Tgt Ion: 50 Resp: 32969
Ion Ratio Lower Upper
50 100
52 41.6 25.8 38.8#





#5

Vinyl Chloride

Concen: 0.439 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

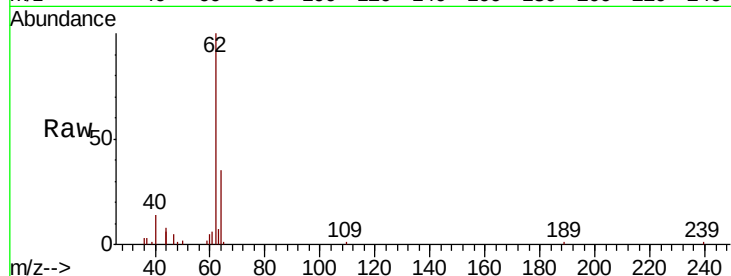
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 62 Resp: 30942

Ion Ratio Lower Upper

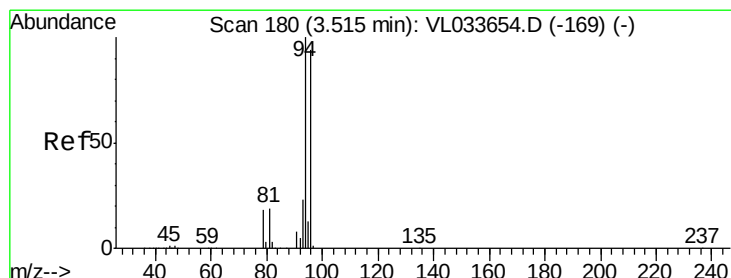
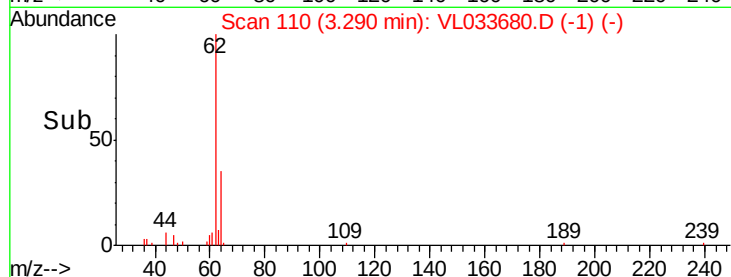
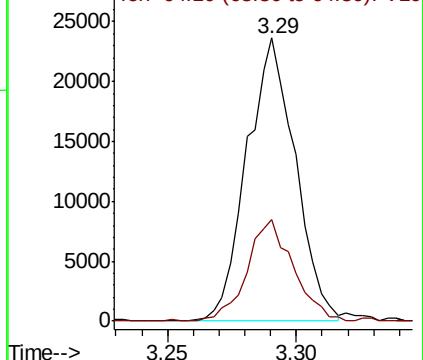
62 100

64 35.7 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.444 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033680.D

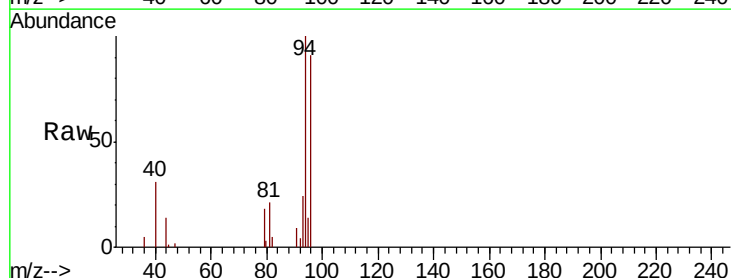
Acq: 7 May 2019 13:39

Tgt Ion: 94 Resp: 19865

Ion Ratio Lower Upper

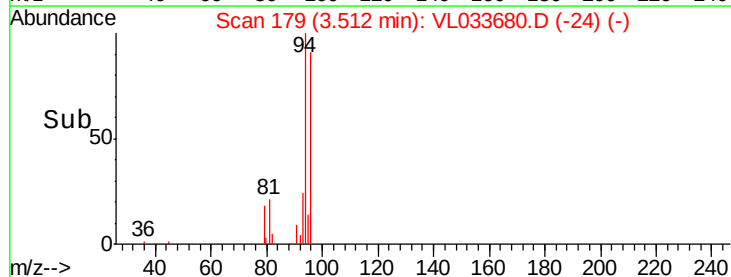
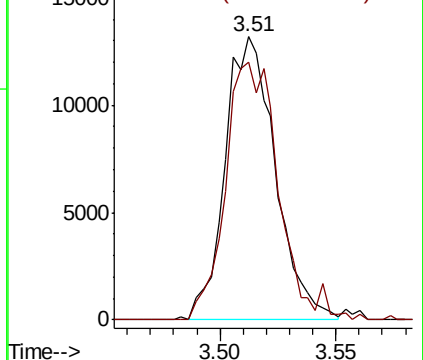
94 100

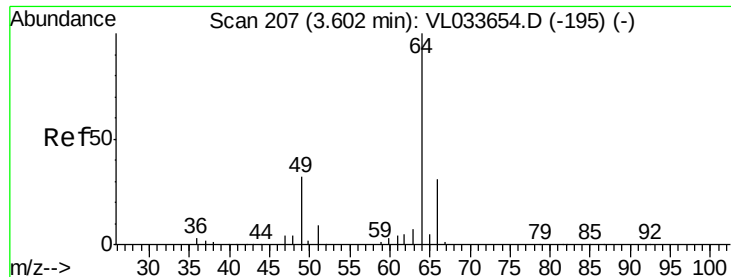
96 92.3 75.2 112.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.427 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

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ClientSampleId :

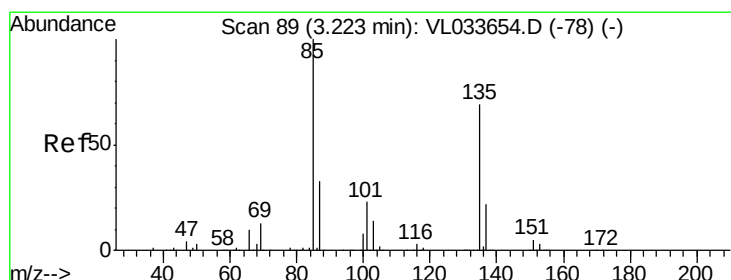
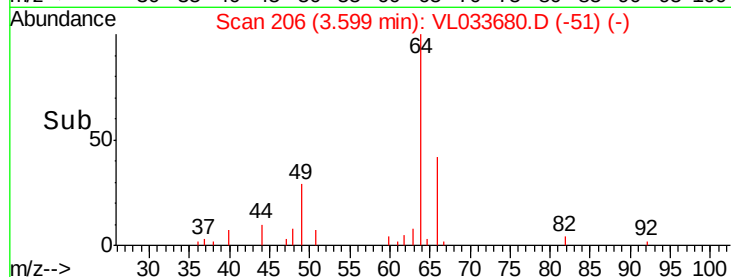
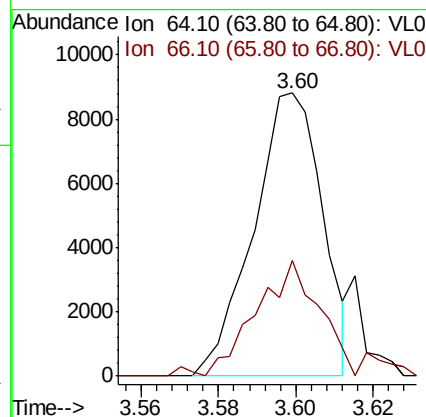
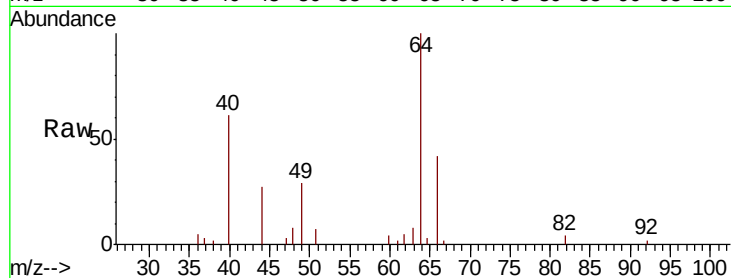
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 64 Resp: 10934

Ion Ratio Lower Upper

64 100

66 43.2 25.1 37.7#



#8

Dichlorotetrafluoroethane

Concen: 0.455 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033680.D

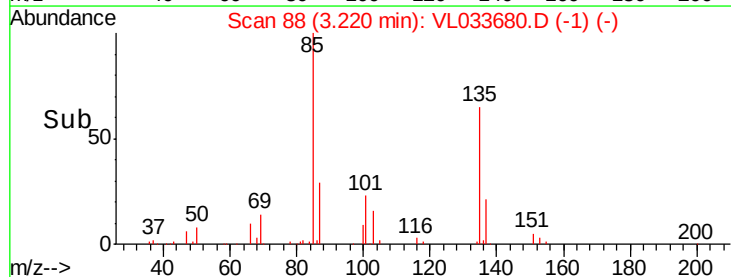
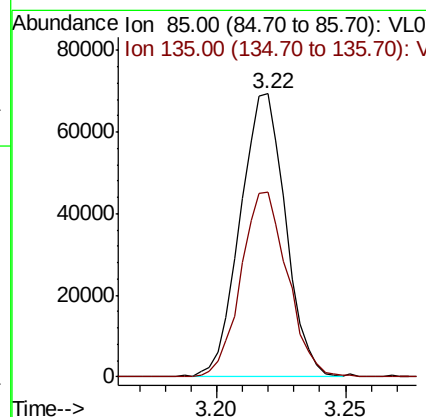
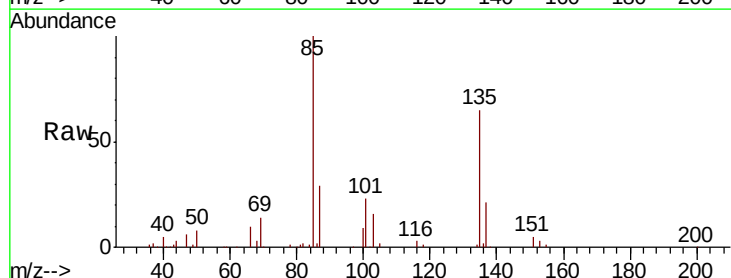
Acq: 7 May 2019 13:39

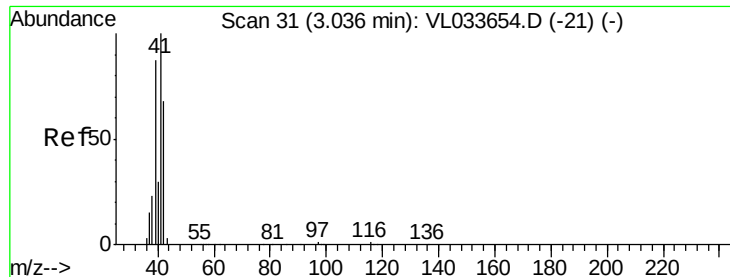
Tgt Ion: 85 Resp: 84775

Ion Ratio Lower Upper

85 100

135 67.5 54.3 81.5





#9

Propene

Concen: 0.450 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

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ClientSampleId :

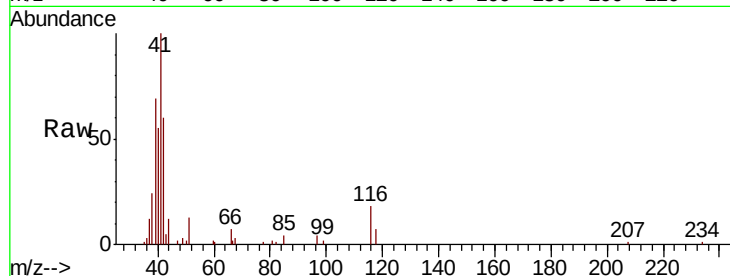
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 41 Resp: 23932

Ion Ratio Lower Upper

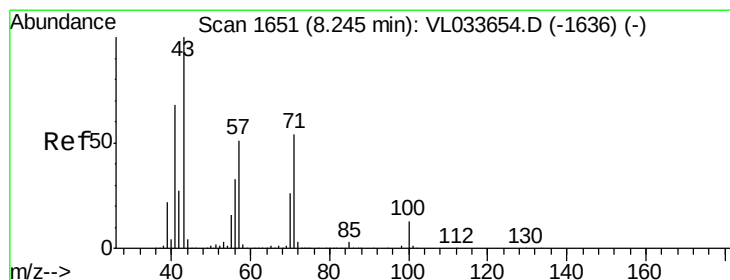
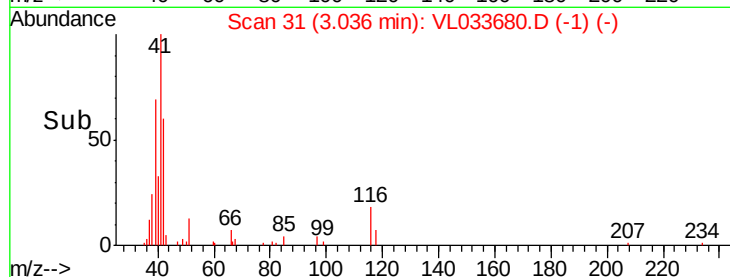
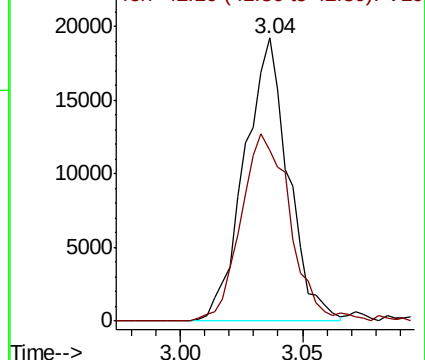
41 100

42 75.4 55.6 83.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.367 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. -0.00 min

Lab File: VL033680.D

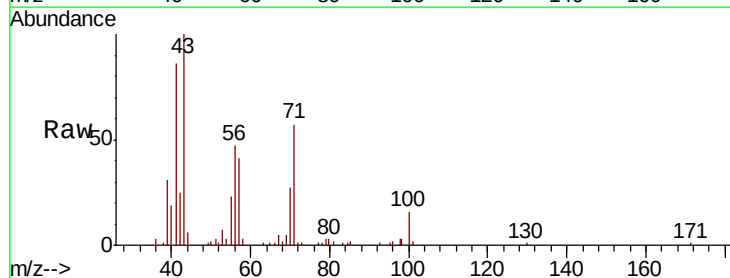
Acq: 7 May 2019 13:39

Tgt Ion: 43 Resp: 48189

Ion Ratio Lower Upper

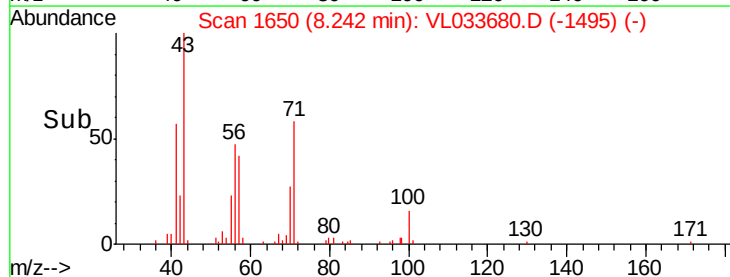
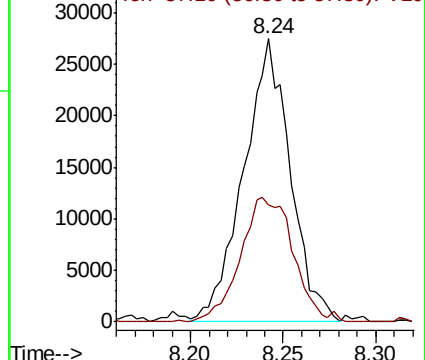
43 100

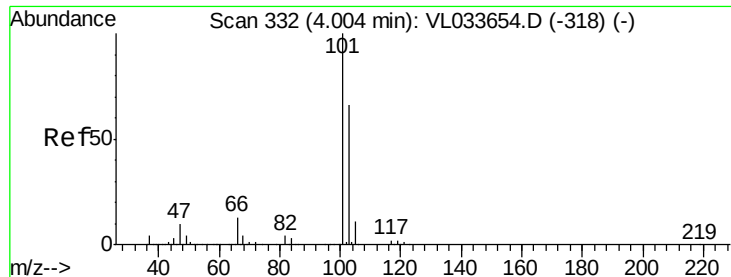
57 49.9 41.8 62.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

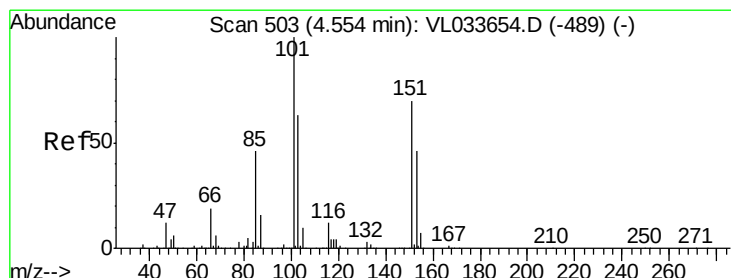
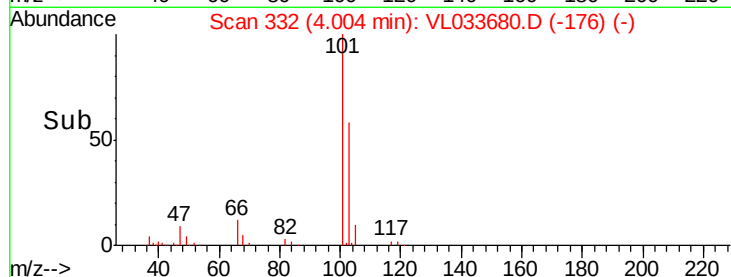
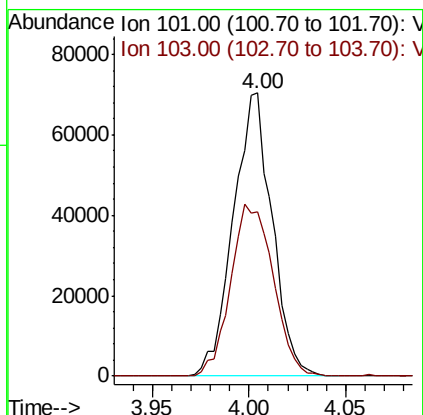
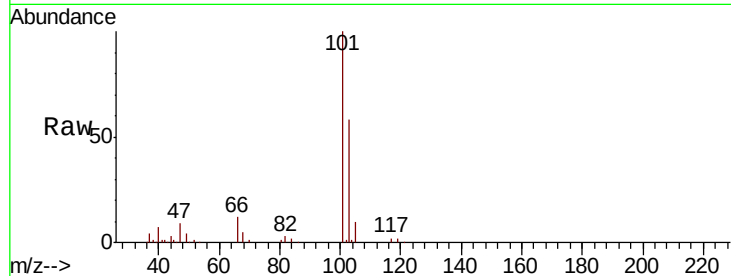




#11
 Trichlorofluoromethane
 Concen: 0.465 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. 0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

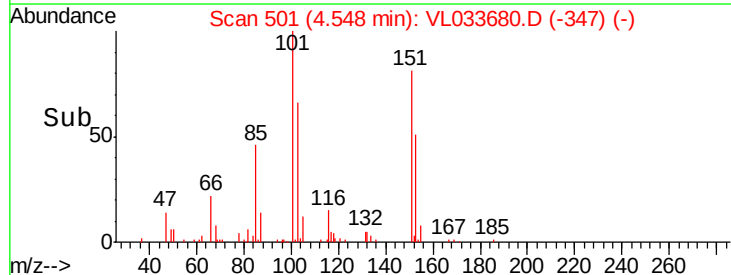
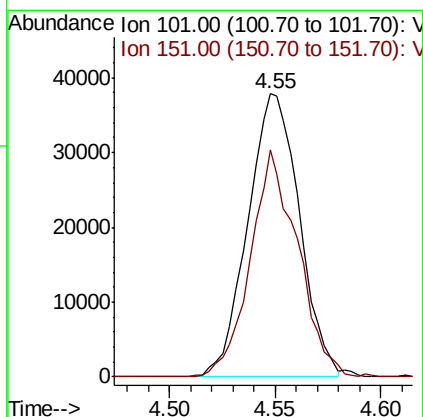
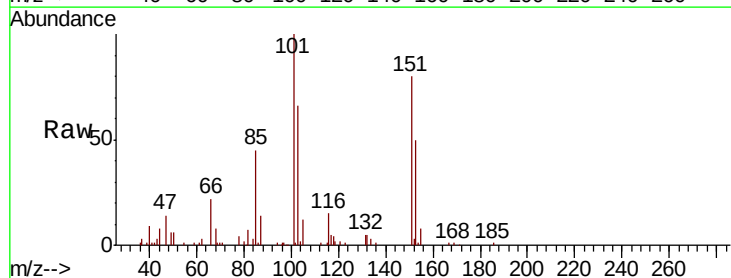
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

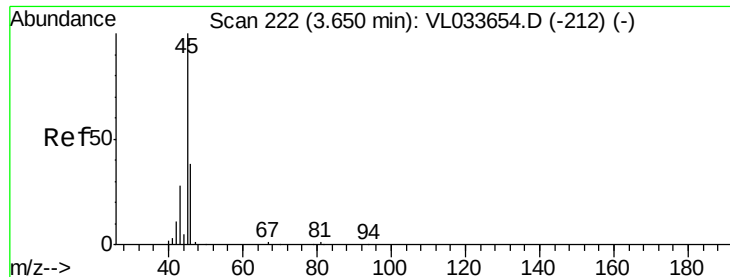
Tgt Ion:101 Resp: 98262
 Ion Ratio Lower Upper
 101 100
 103 57.7 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.453 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion:101 Resp: 64397
 Ion Ratio Lower Upper
 101 100
 151 73.5 58.0 87.0

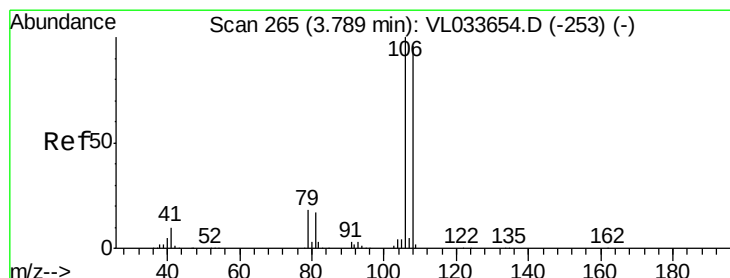
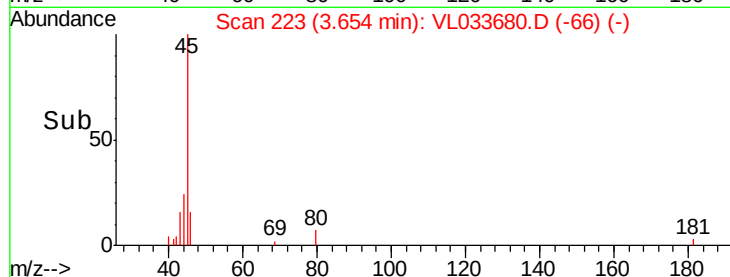
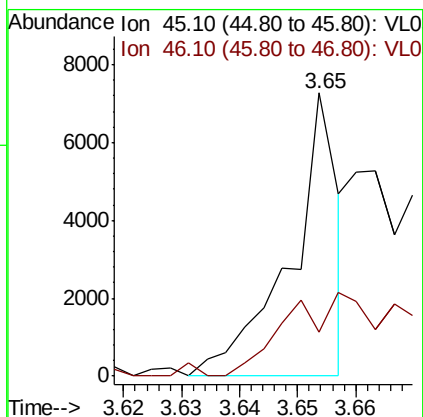
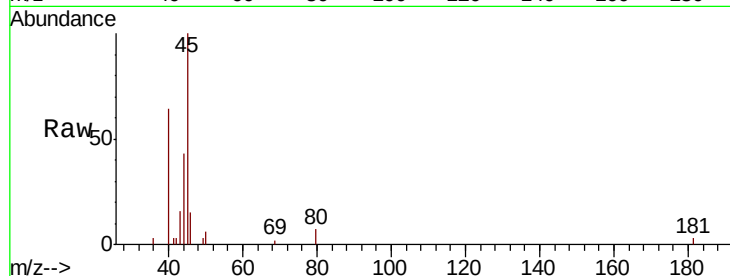




#13
Ethanol
Concen: 0.261 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

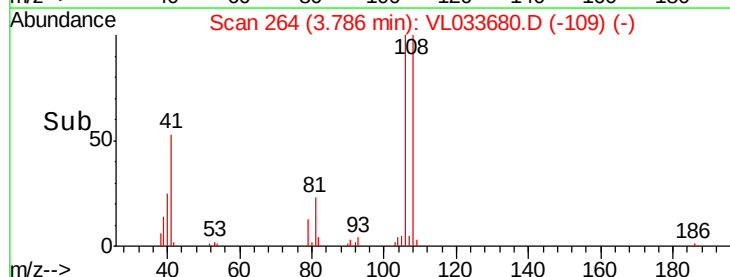
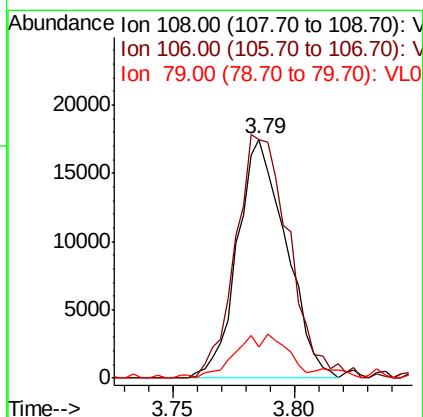
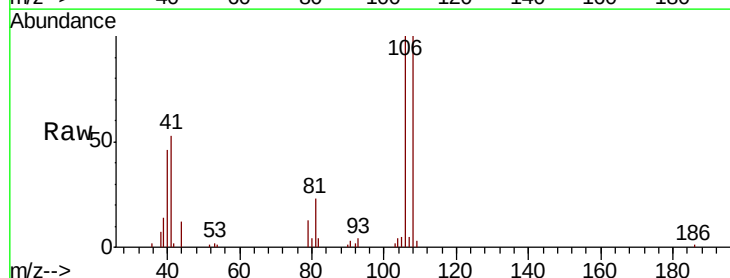
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

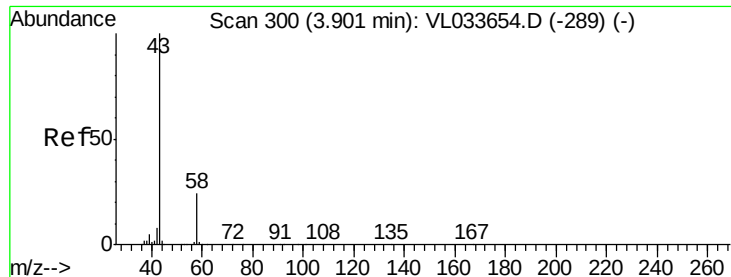
Tgt Ion: 45 Resp: 4156
Ion Ratio Lower Upper
45 100
46 106.8 14.9 59.7#



#14
Bromoethene
Concen: 0.432 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

Tgt Ion: 108 Resp: 24224
Ion Ratio Lower Upper
108 100
106 112.8 85.7 128.5
79 23.3 15.2 22.8#





#15

Acetone

Concen: 0.497 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

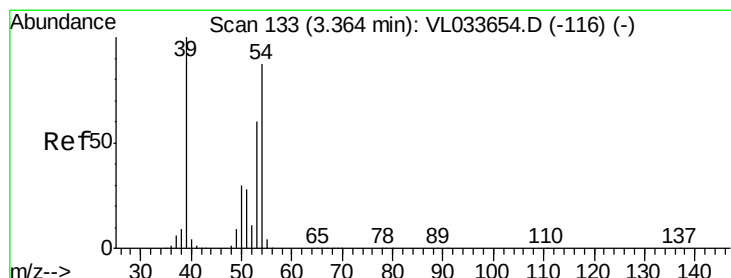
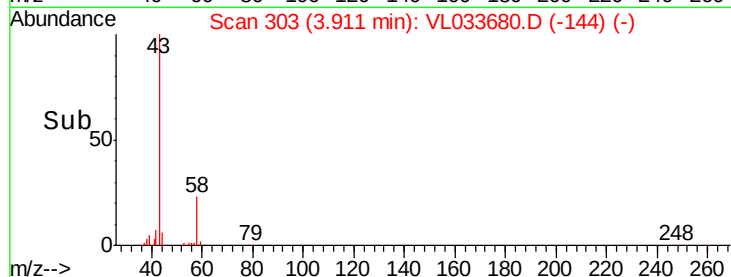
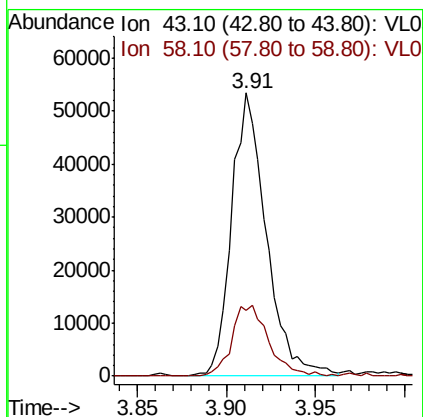
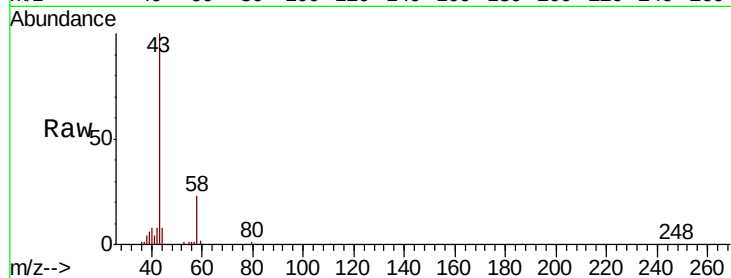
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 43 Resp: 71426

Ion Ratio Lower Upper

43 100

58 27.7 20.9 31.3



#16

1,3-Butadiene

Concen: 0.438 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033680.D

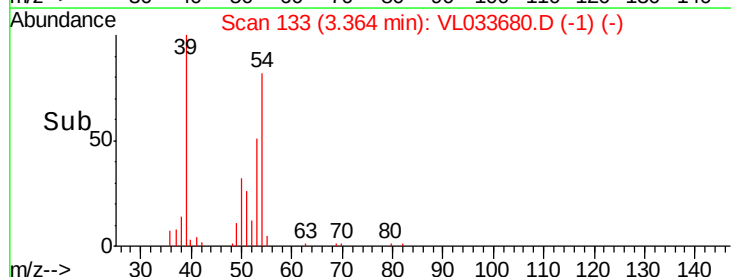
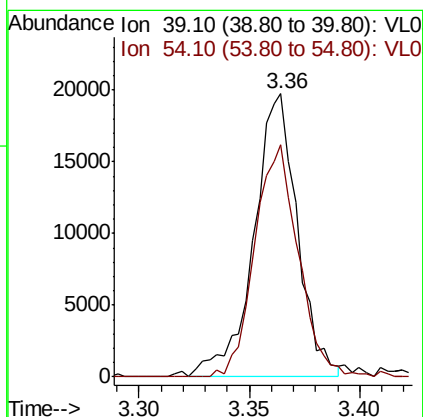
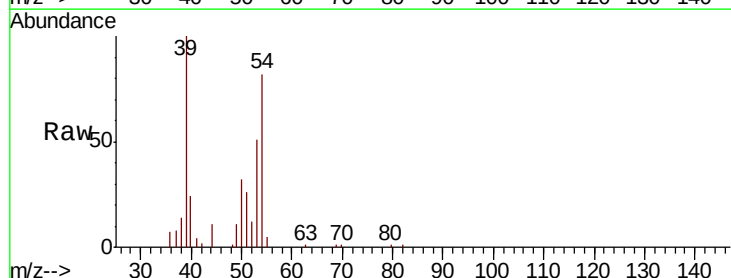
Acq: 7 May 2019 13:39

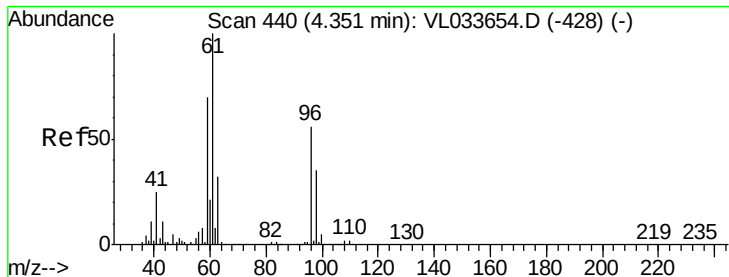
Tgt Ion: 39 Resp: 26963

Ion Ratio Lower Upper

39 100

54 82.6 67.0 100.4

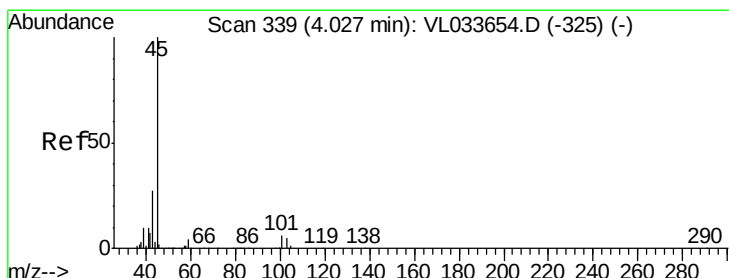
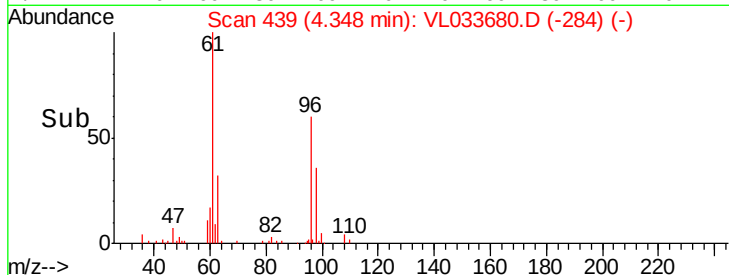
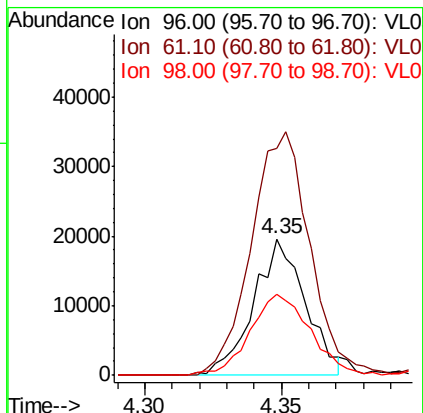
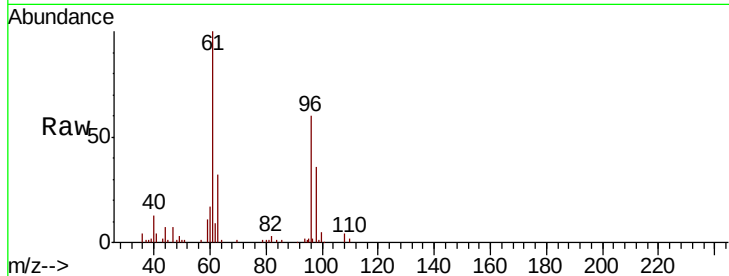




#18
 1,1-Dichloroethene
 Concen: 0.420 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. -0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

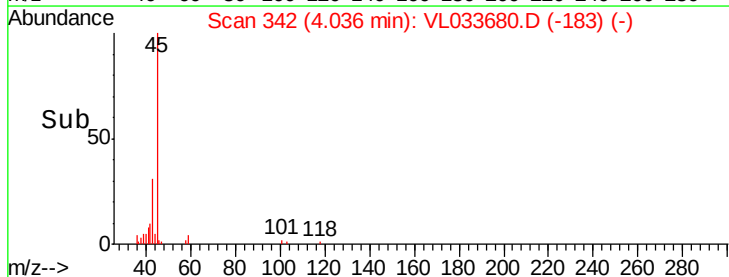
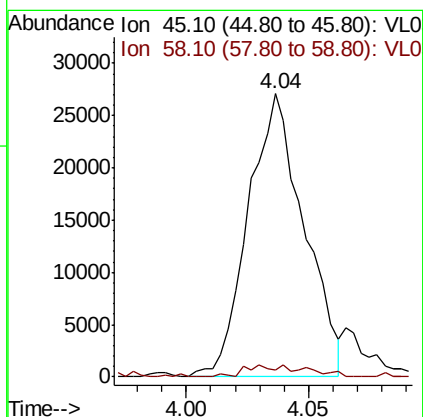
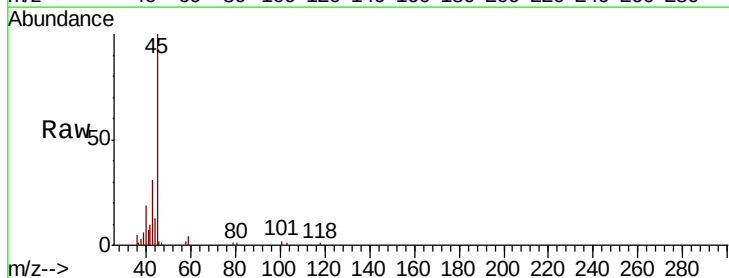
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

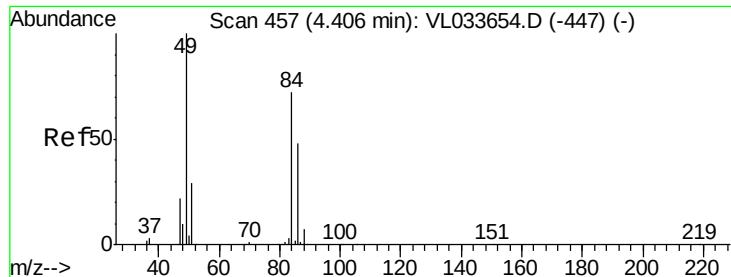
Tgt Ion: 96 Resp: 25786
 Ion Ratio Lower Upper
 96 100
 61 159.7 143.4 215.0
 98 57.7 50.4 75.6



#19
 Isopropyl Alcohol
 Concen: 0.487 ppbv
 RT: 4.04 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion: 45 Resp: 42981
 Ion Ratio Lower Upper
 45 100
 58 4.8 2.0 3.0#

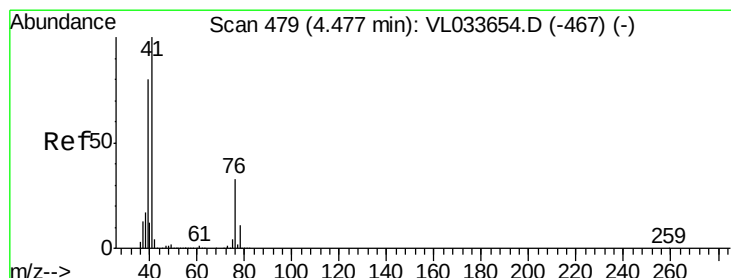
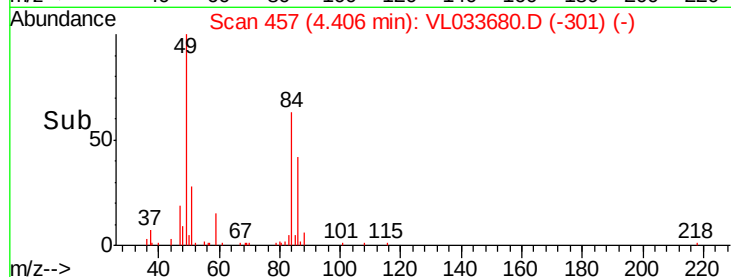
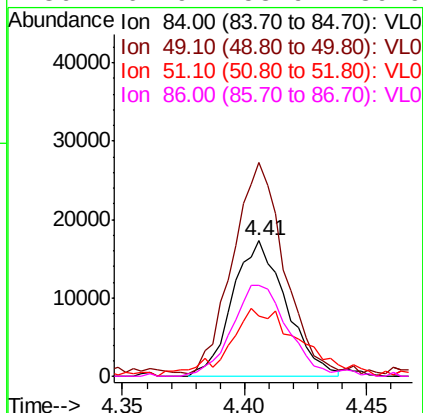
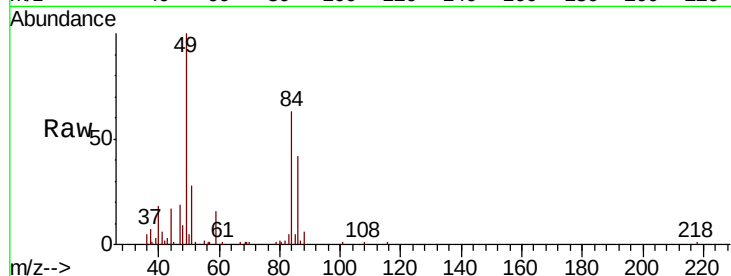




#20
Methylene Chloride
Concen: 0.484 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

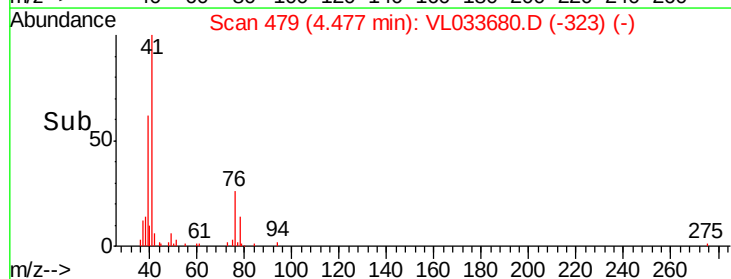
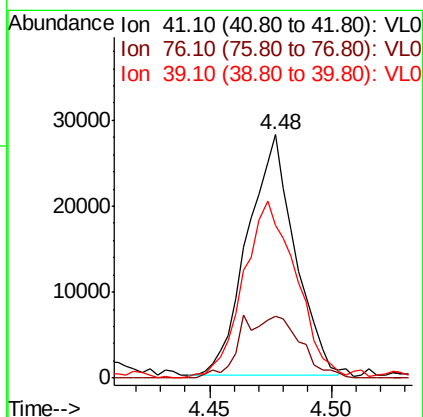
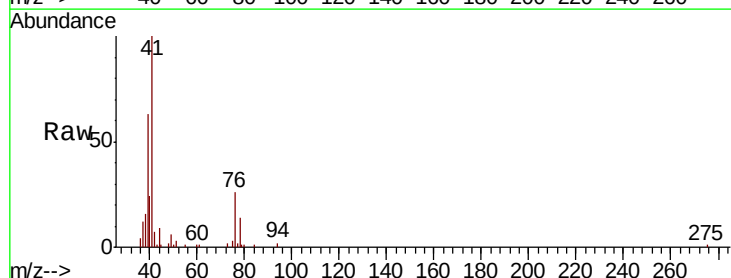
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

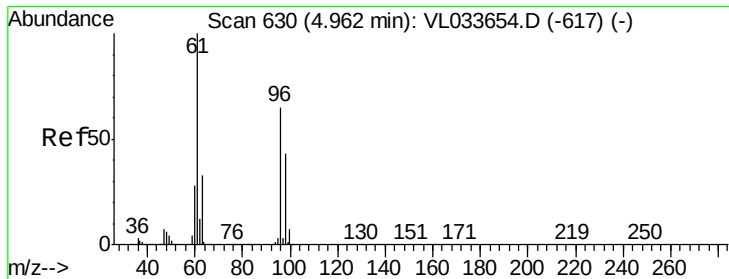
Tgt Ion:	84	Resp:	26366
Ion	Ratio	Lower	Upper
84	100		
49	164.8	111.8	167.6
51	40.1	32.3	48.5
86	64.9	53.9	80.9



#21
Allyl Chloride
Concen: 0.436 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

Tgt Ion:	41	Resp:	37939
Ion	Ratio	Lower	Upper
41	100		
76	32.6	26.0	39.0
39	84.6	64.4	96.6





#22

trans-1,2-Dichloroethene

Concen: 0.465 ppbv

RT: 4.96 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

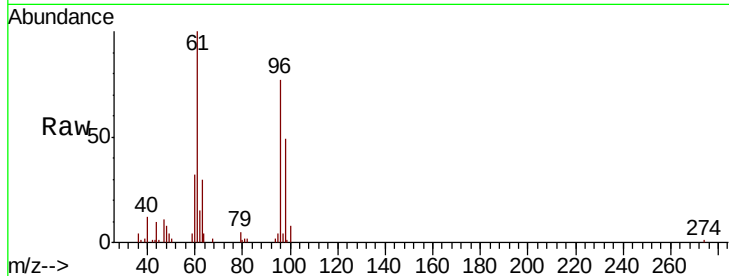
Tgt Ion: 96 Resp: 28634

Ion Ratio Lower Upper

96 100

61 130.0 123.1 184.7

98 65.8 52.6 79.0

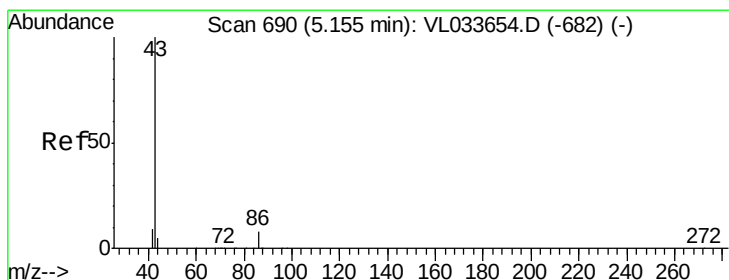
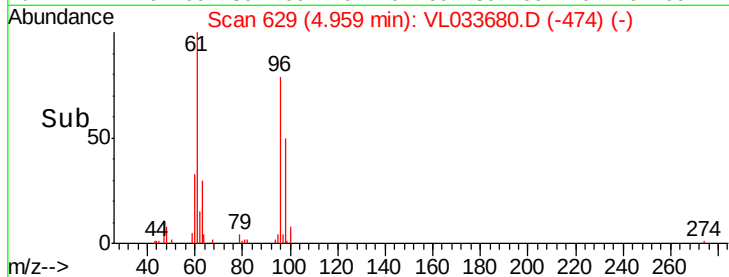
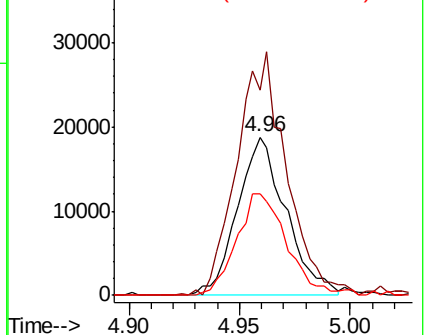


Abundance

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: 0.430 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Tgt Ion: 43 Resp: 80179

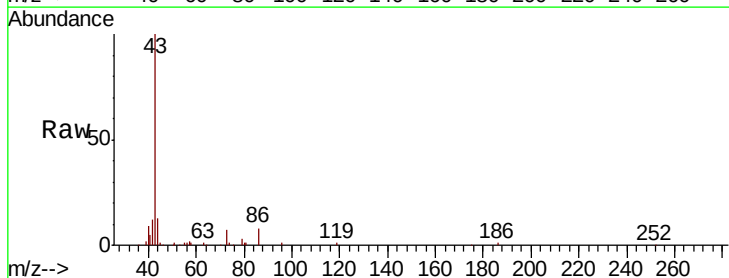
Ion Ratio Lower Upper

43 100

86 7.8 6.0 9.0

42 11.0 8.0 12.0

44 10.8 3.9 5.9#



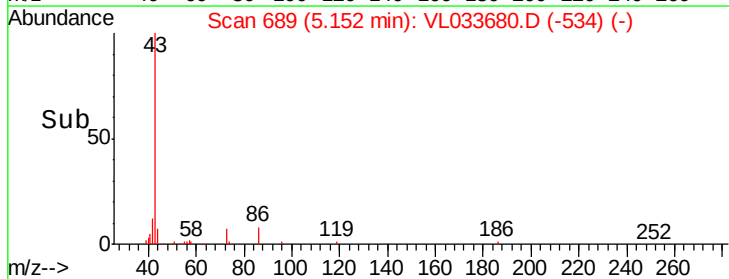
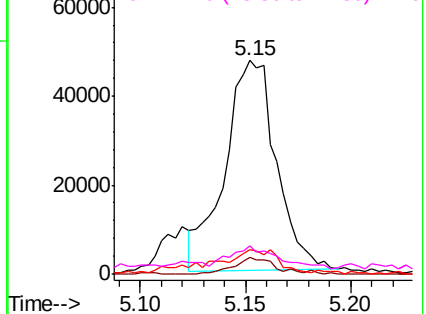
Abundance

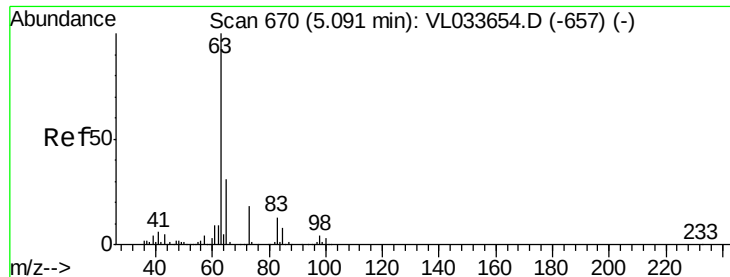
Ion 43.10 (42.80 to 43.80): VL0

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: 0.464 ppbv

RT: 5.08 min Scan# 668

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

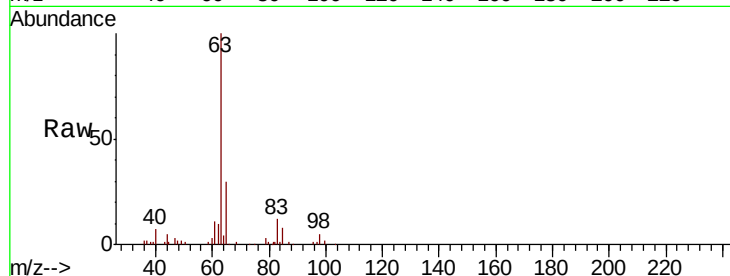
Tgt Ion: 63 Resp: 65444

Ion Ratio Lower Upper

63 100

98 5.1 2.1 6.2

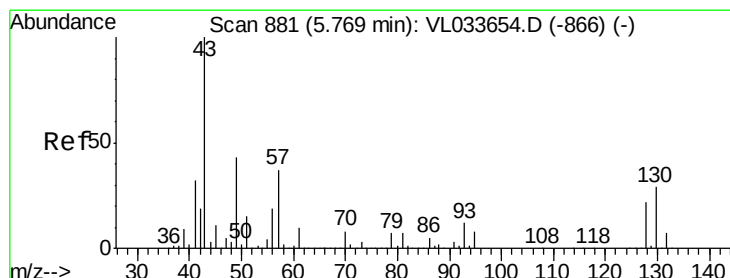
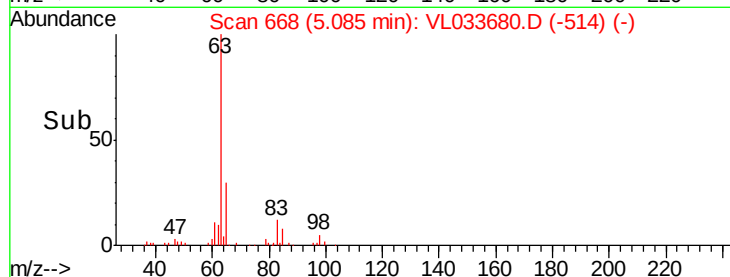
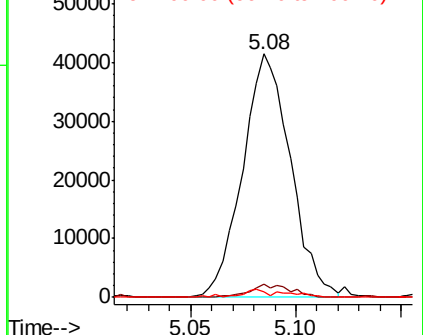
100 2.2 1.5 4.4



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: 0.453 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Tgt Ion: 43 Resp: 105850

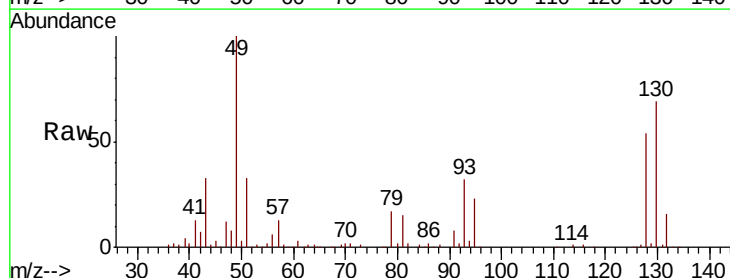
Ion Ratio Lower Upper

43 100

45 10.4 8.0 12.0

61 10.1 7.5 11.3

70 6.9 5.8 8.8

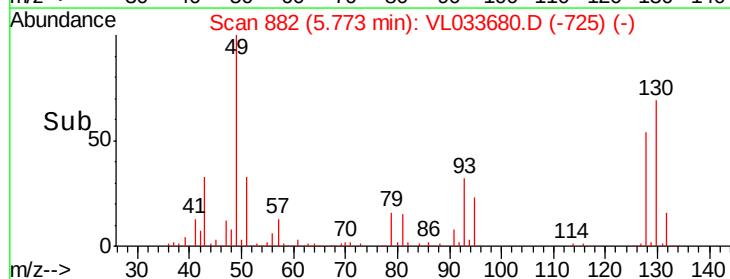
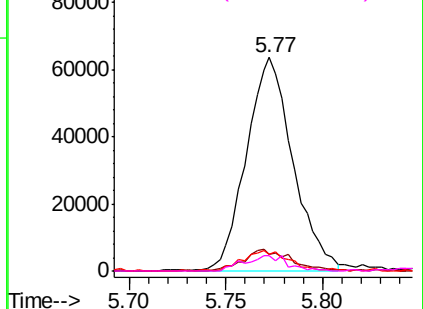


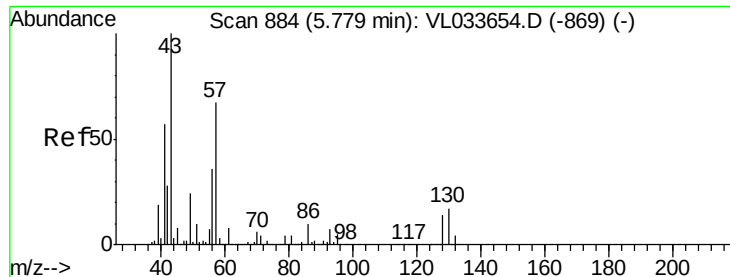
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

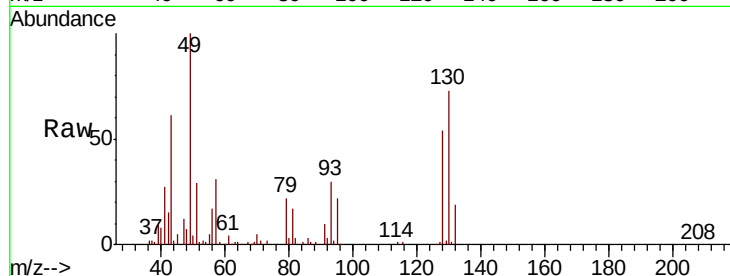




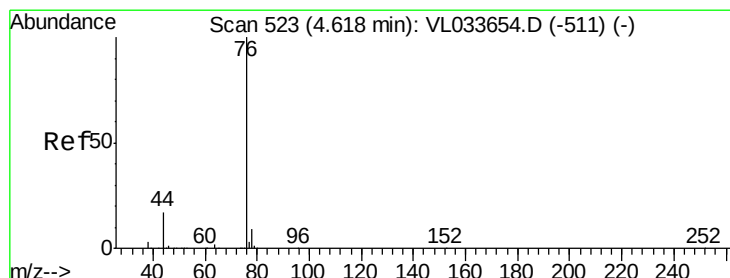
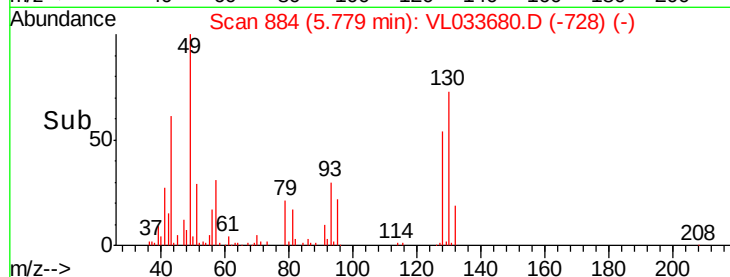
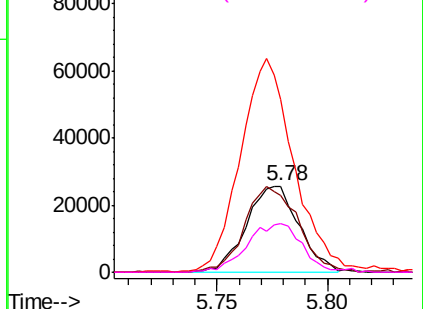
#26
Hexane
Concen: 0.423 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 57 Resp: 42501
Ion Ratio Lower Upper
57 100
41 102.0 69.7 104.5
43 257.5 181.9 272.9
56 59.5 42.5 63.7

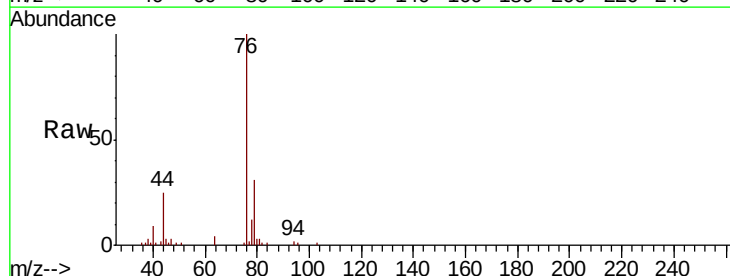


Abundance Ion 57.10 (56.80 to 57.80): VL0
100000
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

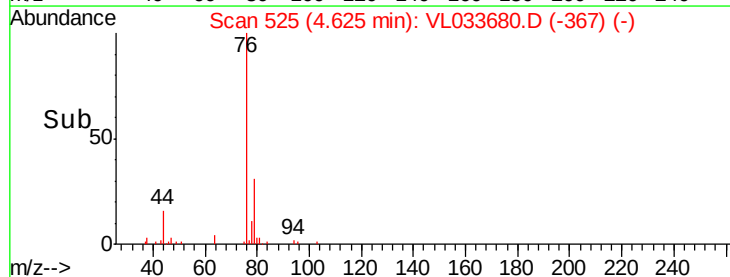
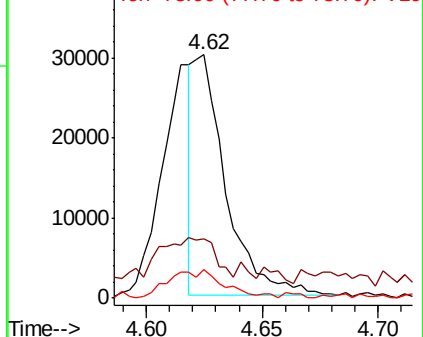


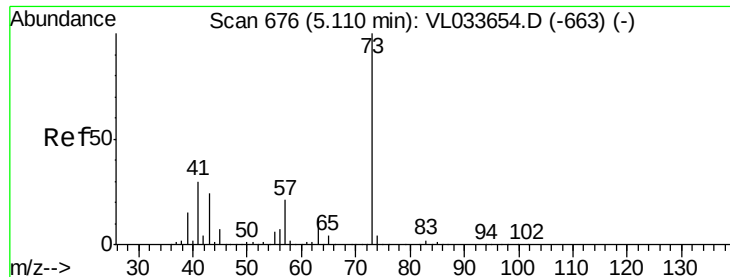
#27
Carbon Disulfide
Concen: 0.209 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.01 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

Tgt Ion: 76 Resp: 28711
Ion Ratio Lower Upper
76 100
44 50.6 14.4 21.6#
78 22.4 7.4 11.2#



Abundance Ion 76.00 (75.70 to 76.70): VL0
40000
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





#28

Methyl tert-Butyl Ether

Concen: 0.425 ppbv

RT: 5.12 min Scan# 679

Delta R.T. 0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

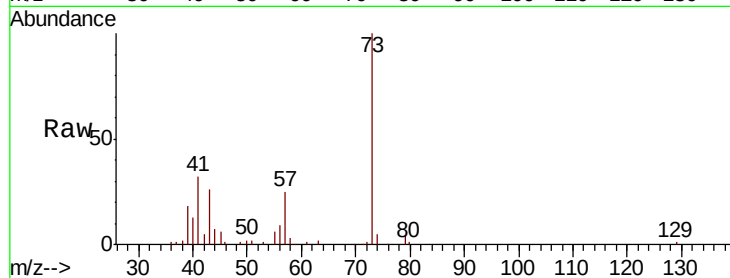
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 73 Resp: 71802

Ion Ratio Lower Upper

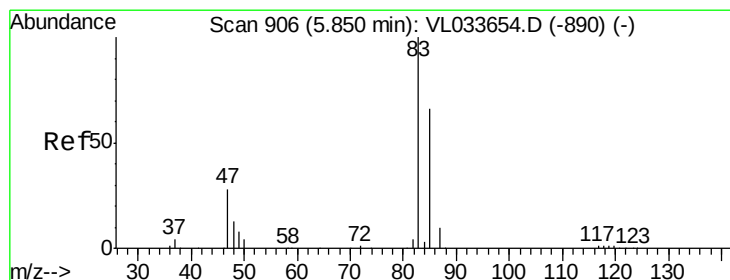
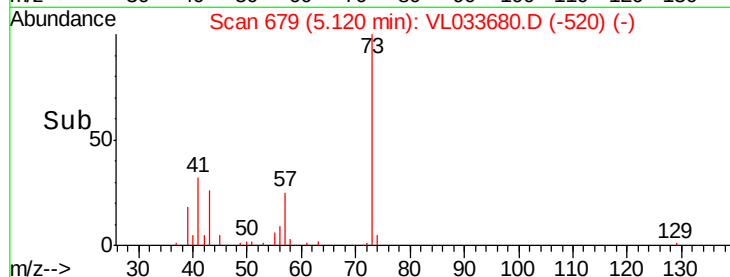
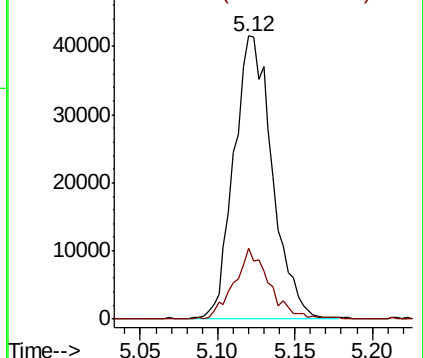
73 100

57 22.9 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#29

Chloroform

Concen: 0.471 ppbv

RT: 5.84 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL033680.D

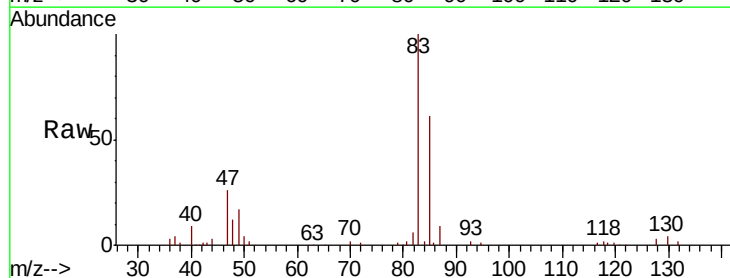
Acq: 7 May 2019 13:39

Tgt Ion: 83 Resp: 84974

Ion Ratio Lower Upper

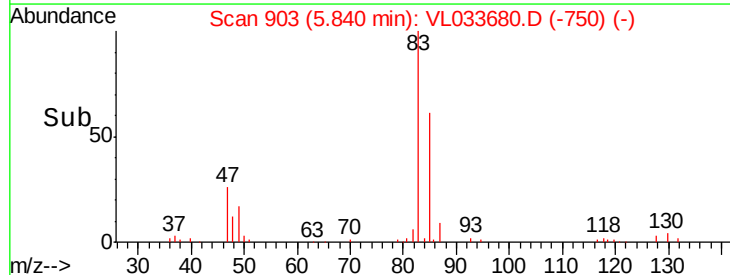
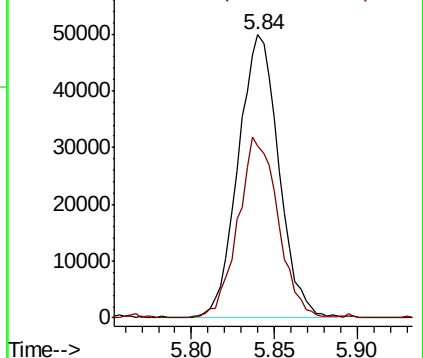
83 100

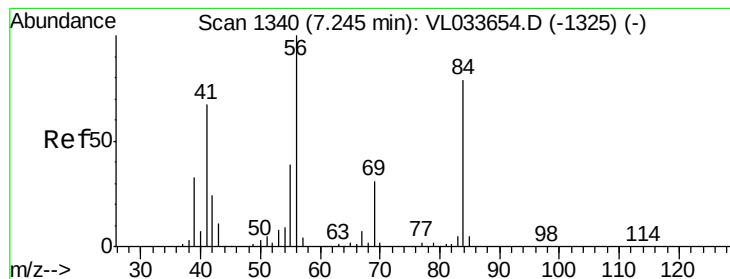
85 61.0 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





#30

Cyclohexane

Concen: 0.161 ppbv

RT: 7.24 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

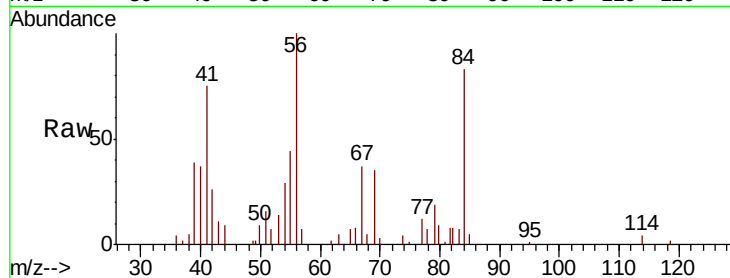
Tgt Ion: 84 Resp: 13557

Ion Ratio Lower Upper

84 100

56 0.0 107.0 160.4#

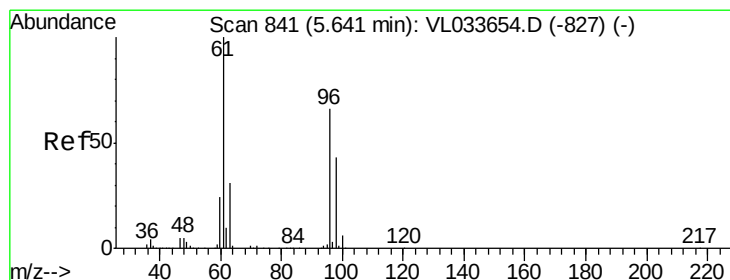
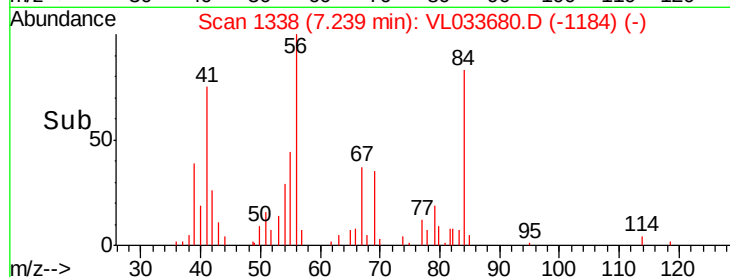
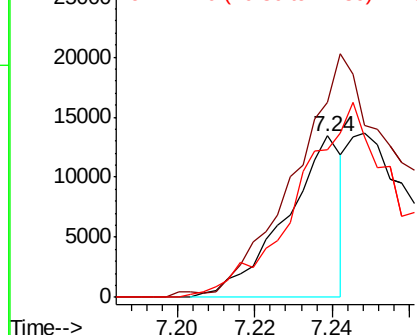
41 0.0 66.6 99.8#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.419 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

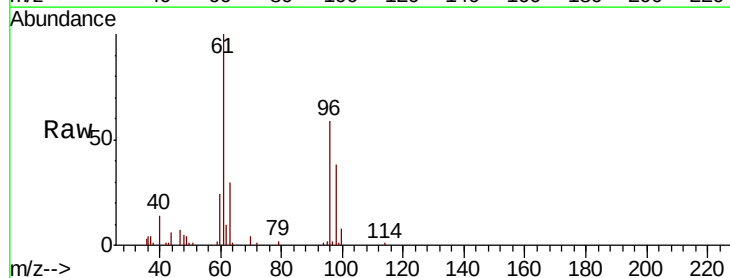
Tgt Ion: 61 Resp: 41863

Ion Ratio Lower Upper

61 100

96 57.3 53.2 79.8

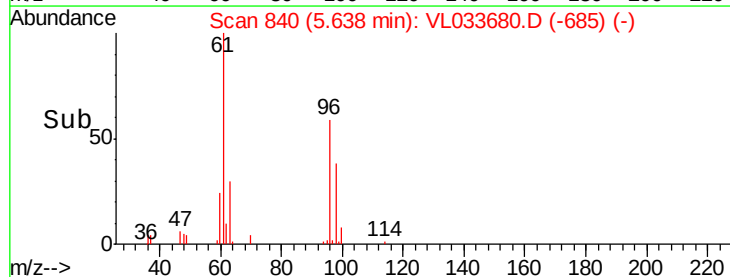
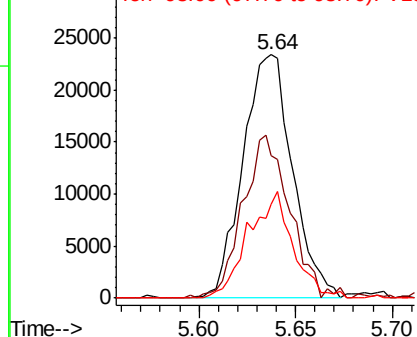
98 38.5 34.2 51.4

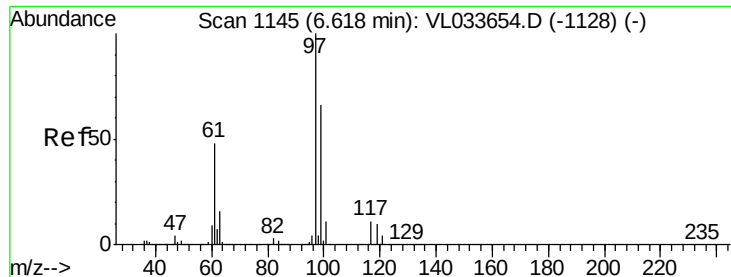


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





#32

1,1,1-Trichloroethane

Concen: 0.422 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

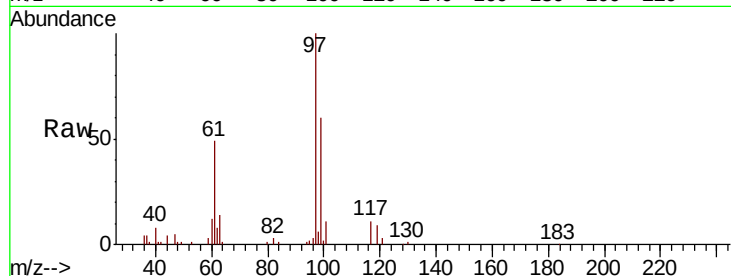
Tgt Ion: 97 Resp: 78739

Ion Ratio Lower Upper

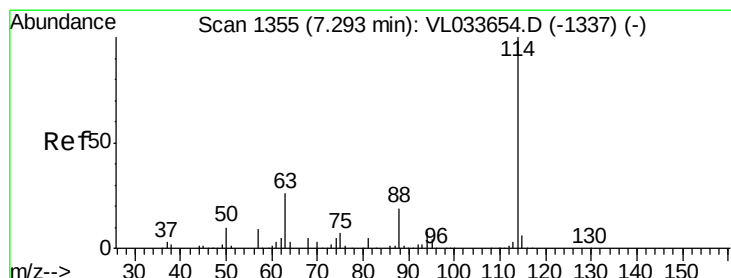
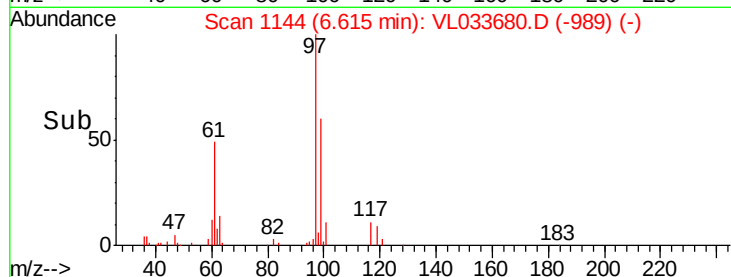
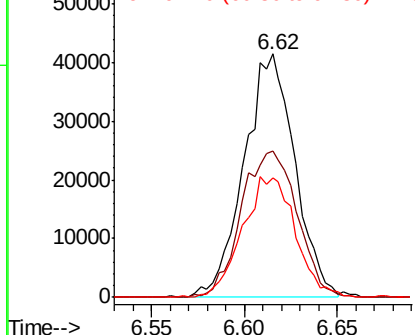
97 100

99 66.2 51.4 77.2

61 51.5 38.5 57.7



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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

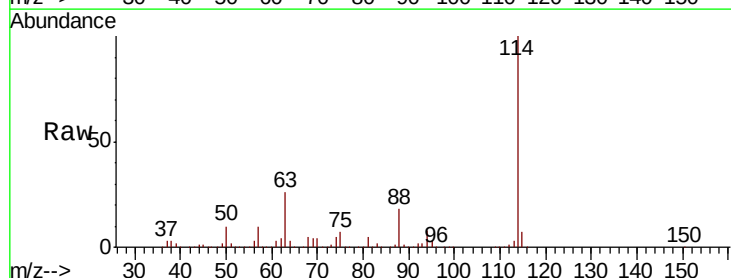
Tgt Ion: 114 Resp: 2297838

Ion Ratio Lower Upper

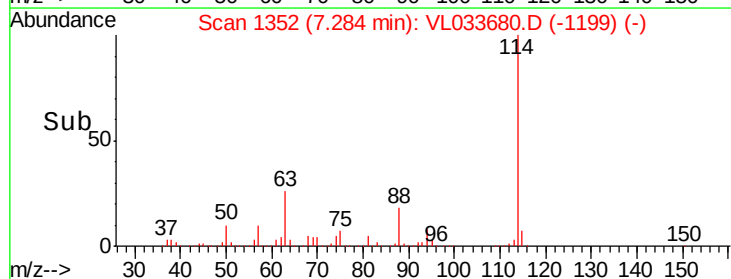
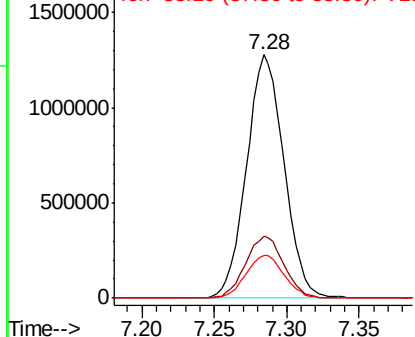
114 100

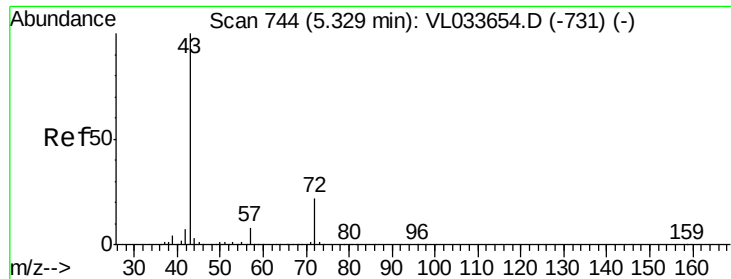
63 26.2 21.3 31.9

88 18.0 14.4 21.6



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

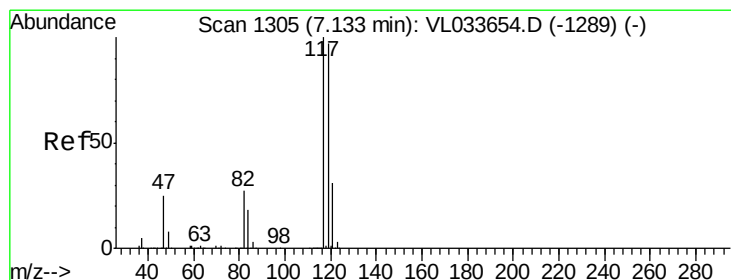
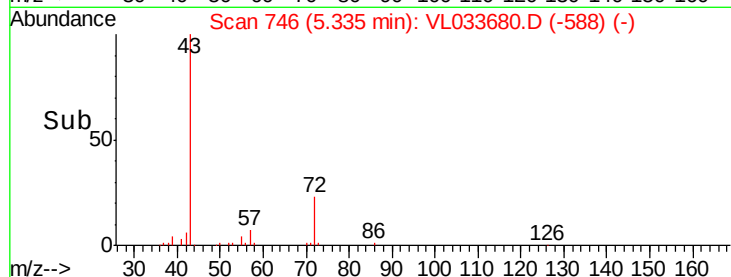
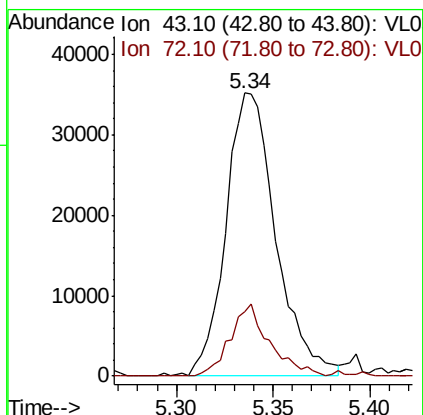
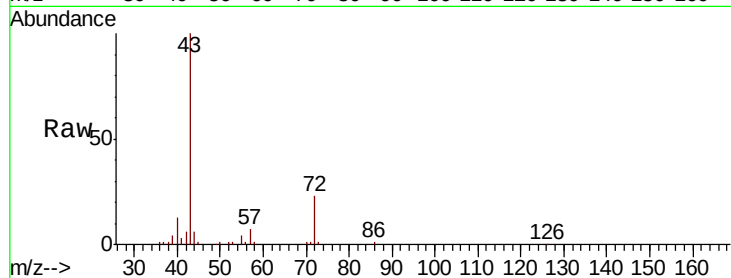




#34
 2-Butanone
 Concen: 0.428 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

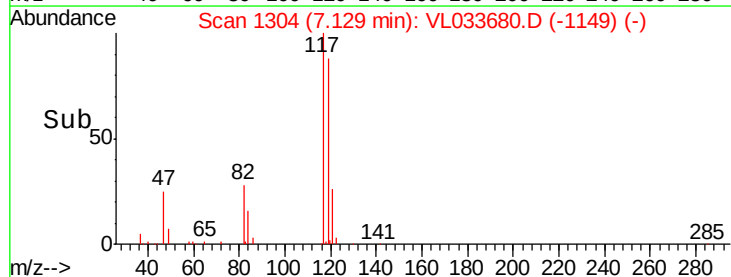
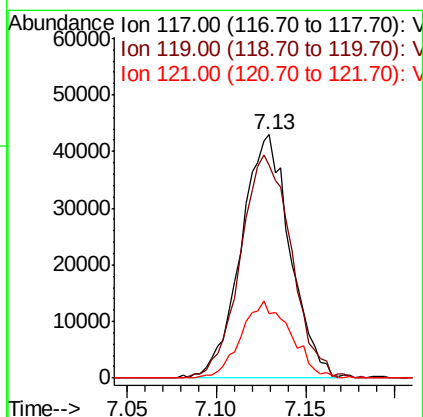
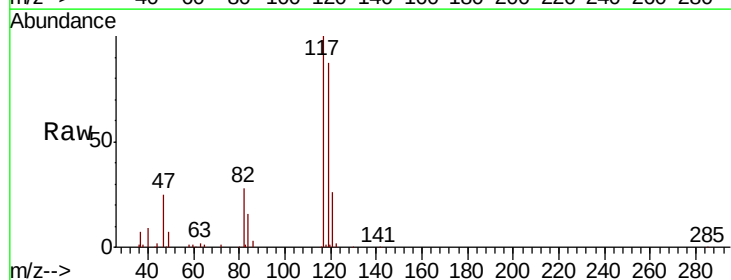
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

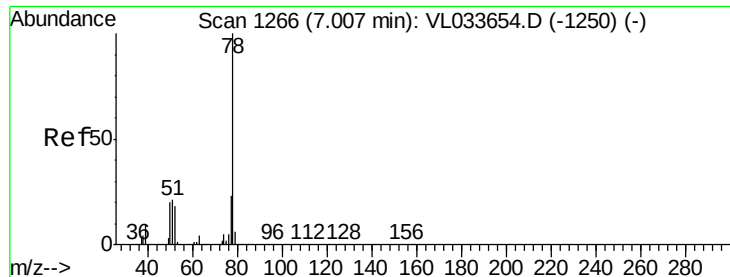
Tgt Ion: 43 Resp: 63026
 Ion Ratio Lower Upper
 43 100
 72 20.8 17.5 26.3



#35
 Carbon Tetrachloride
 Concen: 0.437 ppbv
 RT: 7.13 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion: 117 Resp: 82605
 Ion Ratio Lower Upper
 117 100
 119 86.4 77.9 116.9
 121 26.3 25.0 37.6

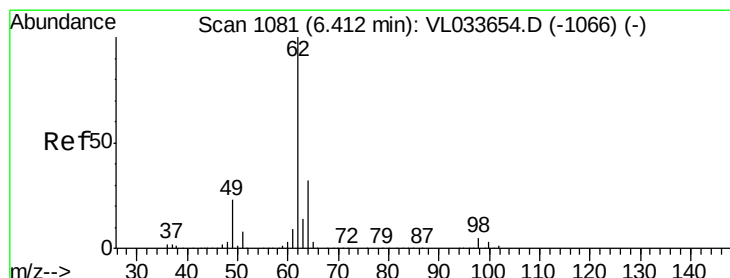
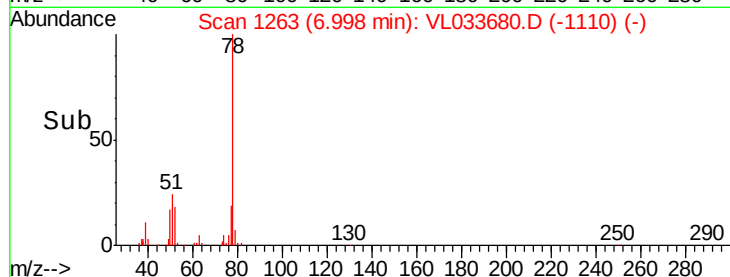
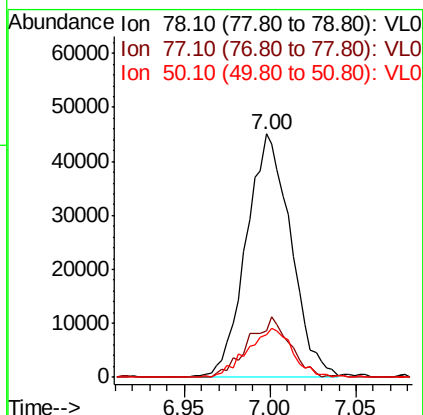
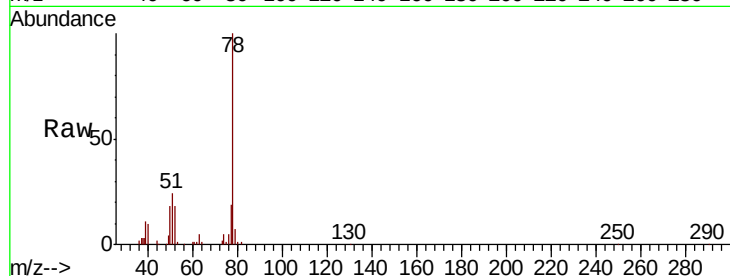




#36
Benzene
Concen: 0.394 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

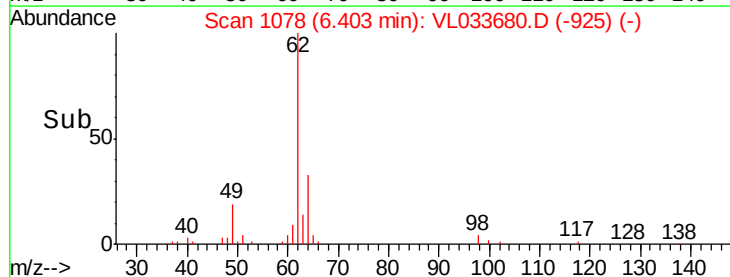
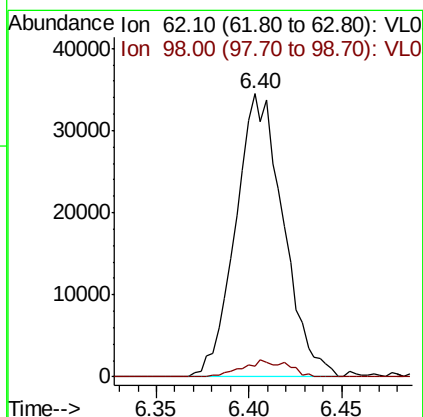
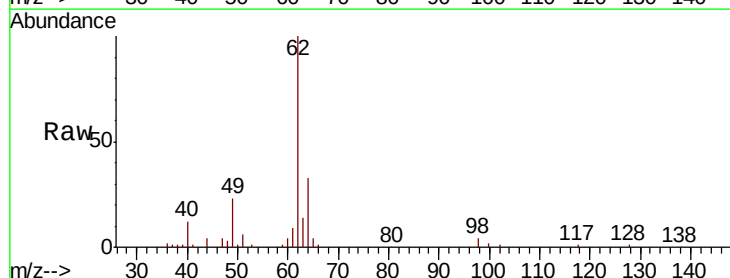
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

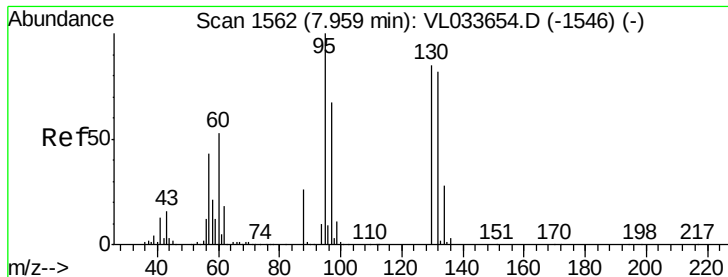
Tgt Ion: 78 Resp: 81096
Ion Ratio Lower Upper
78 100
77 19.0 18.2 27.2
50 17.8 15.8 23.6



#37
1,2-Dichloroethane
Concen: 0.427 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

Tgt Ion: 62 Resp: 61444
Ion Ratio Lower Upper
62 100
98 5.6 4.5 6.7





#38

Trichloroethene

Concen: 0.411 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tgt Ion:130 Resp: 31067

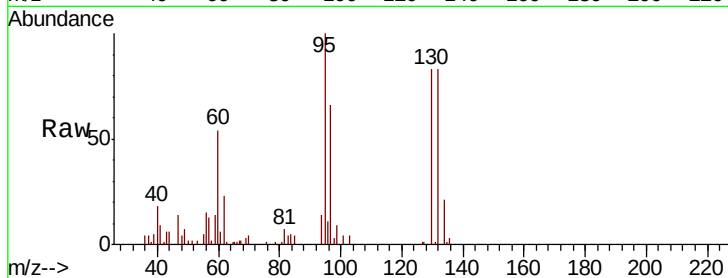
Ion Ratio Lower Upper

130 100

95 111.1 93.4 140.0

132 89.1 76.2 114.4

97 77.5 62.2 93.4



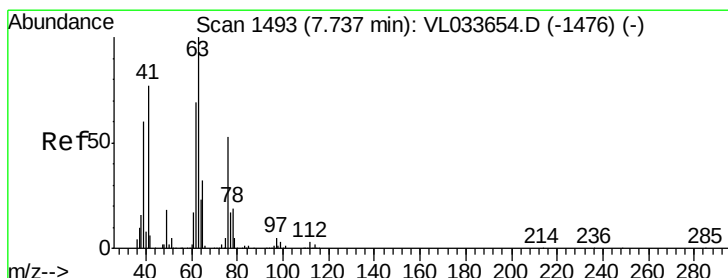
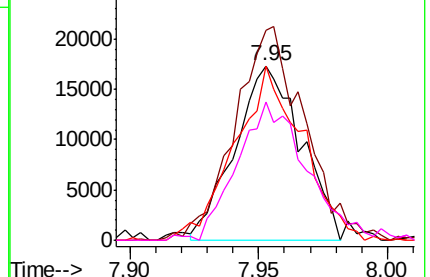
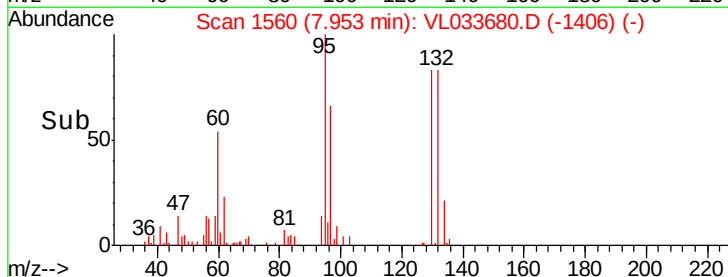
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

Time-->



#39

1,2-Dichloropropane

Concen: 0.450 ppbv

RT: 7.73 min Scan# 1490

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

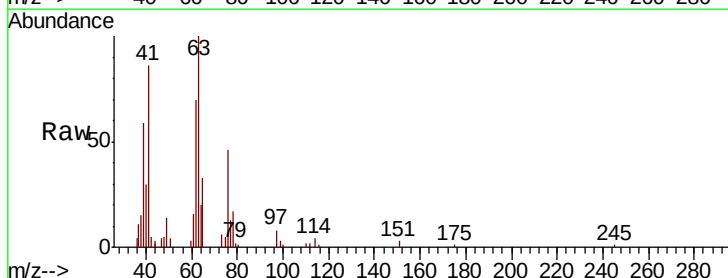
Tgt Ion: 63 Resp: 34552

Ion Ratio Lower Upper

63 100

41 84.5 61.6 92.4

62 68.8 55.0 82.6

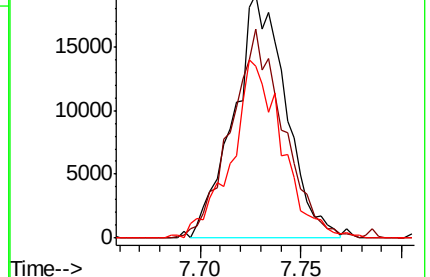
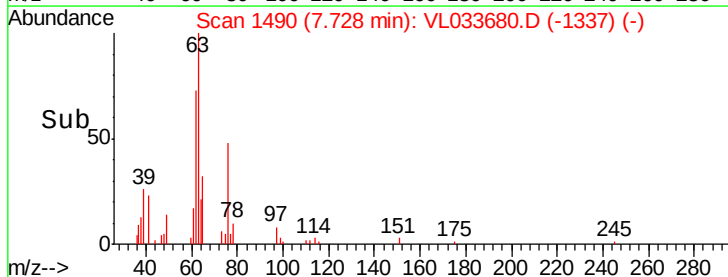


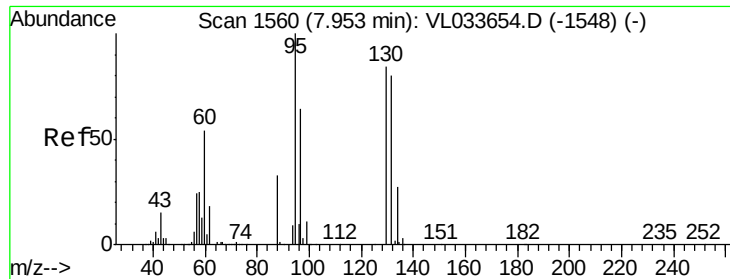
Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

Time-->

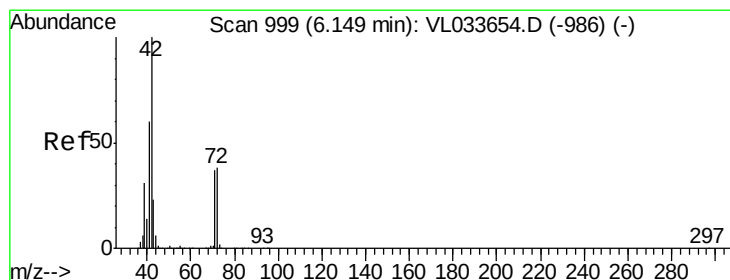
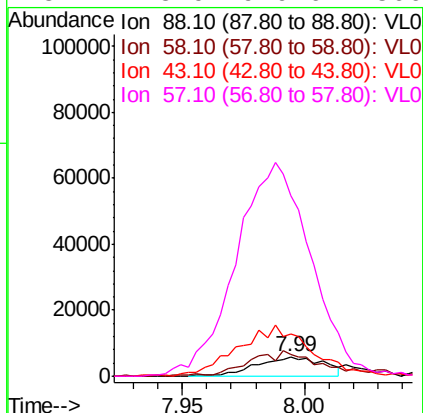
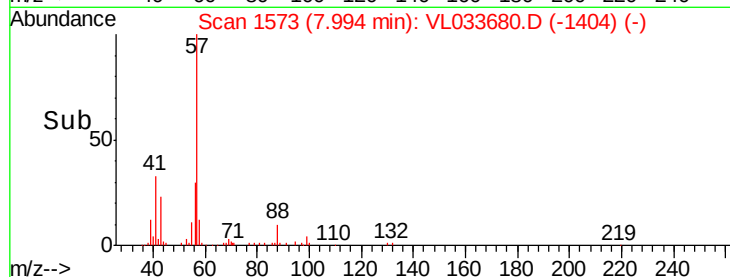
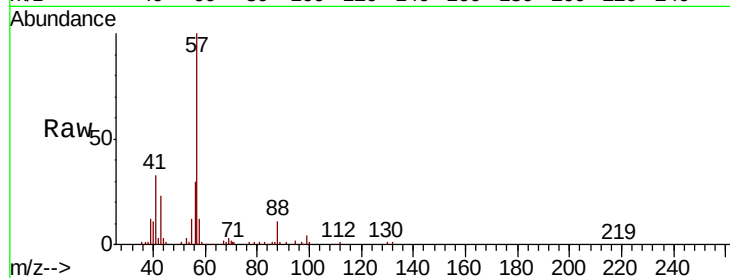




#40
1,4-Dioxane
Concen: 0.369 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.04 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

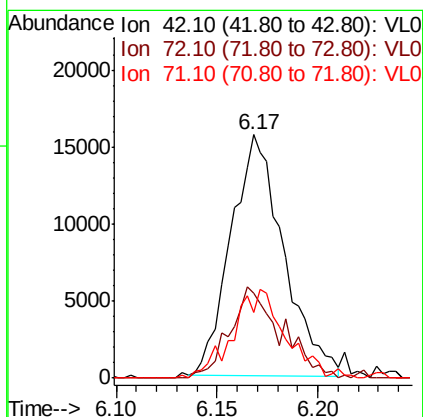
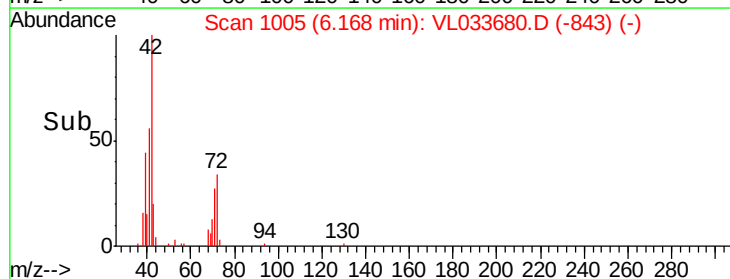
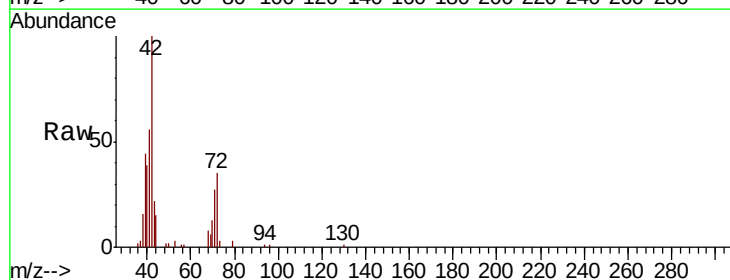
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

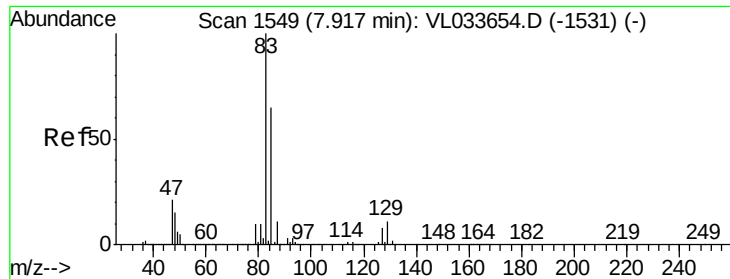
Tgt Ion: 88 Resp: 11314
Ion Ratio Lower Upper
88 100
58 156.5 102.3 153.5#
43 297.3 206.1 309.1
57 1225.9 910.6 1366.0



#41
Tetrahydrofuran
Concen: 0.377 ppbv
RT: 6.17 min Scan# 1005
Delta R.T. 0.02 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

Tgt Ion: 42 Resp: 28703
Ion Ratio Lower Upper
42 100
72 37.2 31.6 47.4
71 37.2 30.6 46.0





#42

Bromodichloromethane

Concen: 0.422 ppbv

RT: 7.91 min Scan# 1546

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

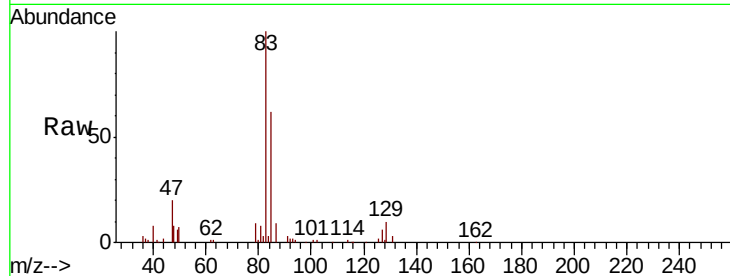
Tgt Ion: 83 Resp: 78272

Ion Ratio Lower Upper

83 100

85 61.9 52.4 78.6

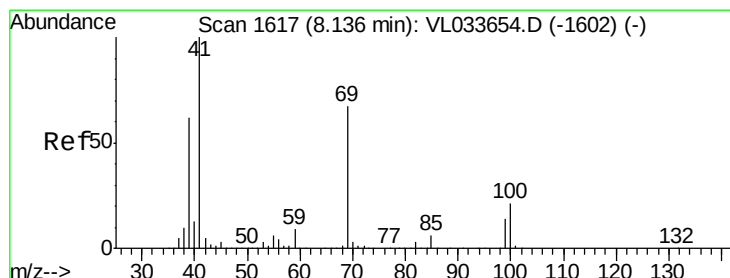
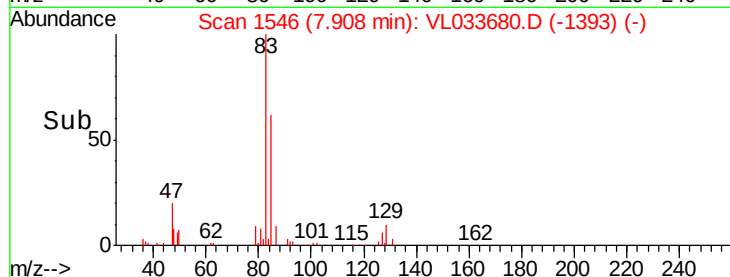
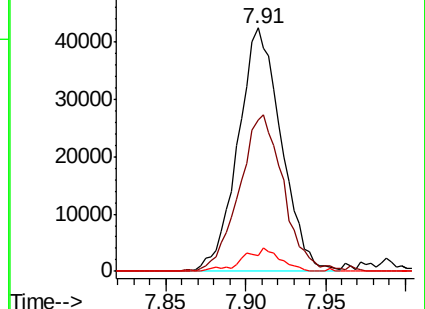
127 6.3 6.6 9.8#



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: 0.338 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

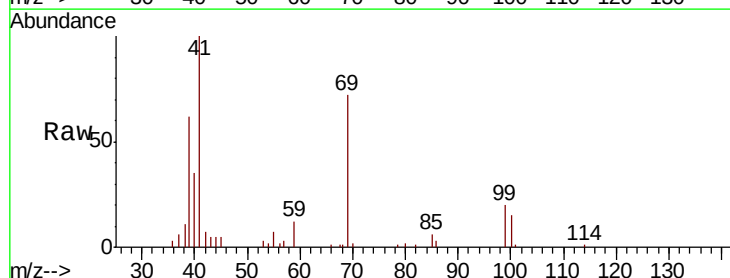
Tgt Ion: 69 Resp: 26158

Ion Ratio Lower Upper

69 100

41 154.1 116.6 175.0

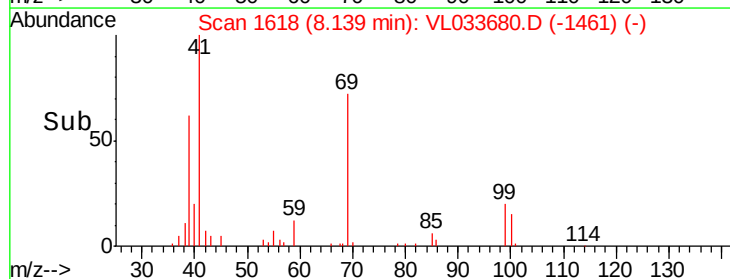
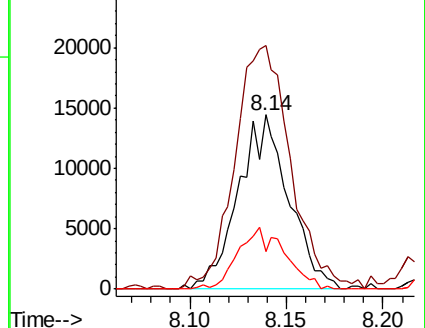
100 33.0 24.6 37.0

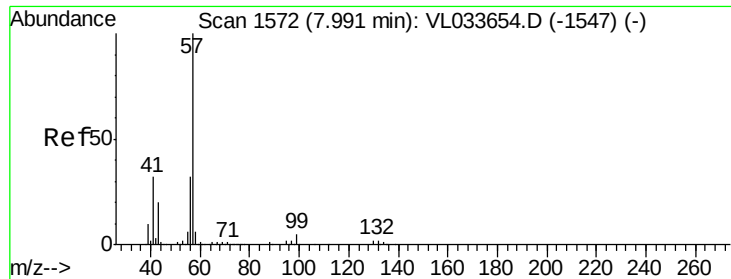


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

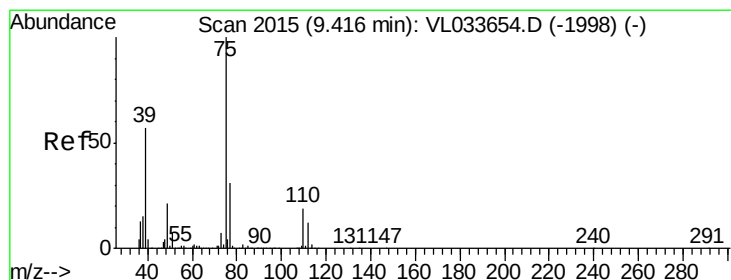
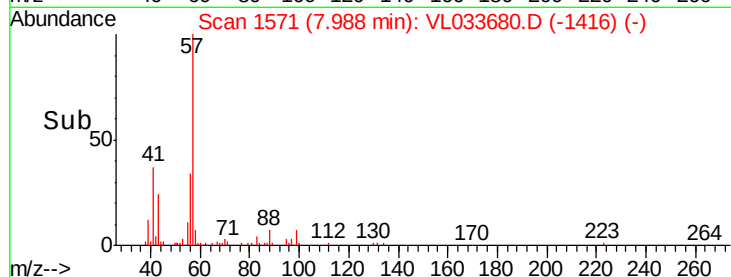
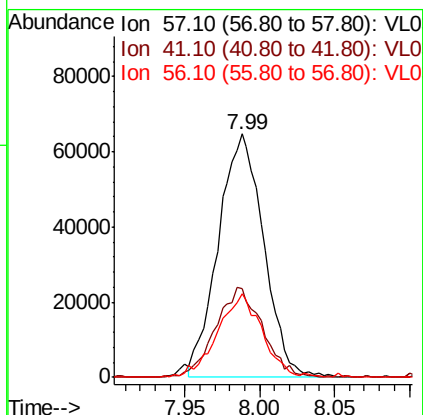
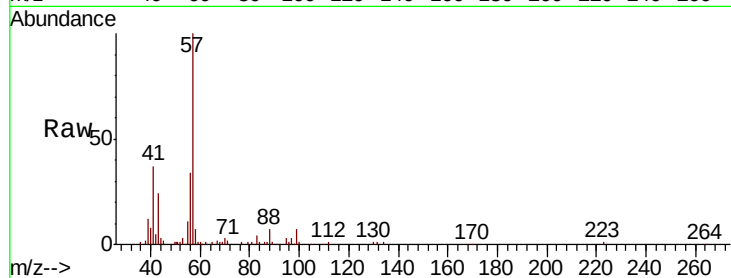




#44
 2,2,4-Trimethylpentane
 Concen: 0.388 ppbv
 RT: 7.99 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

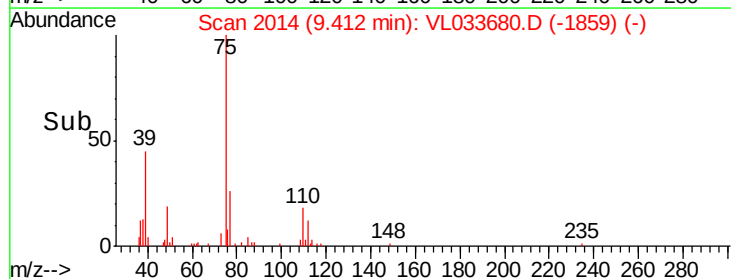
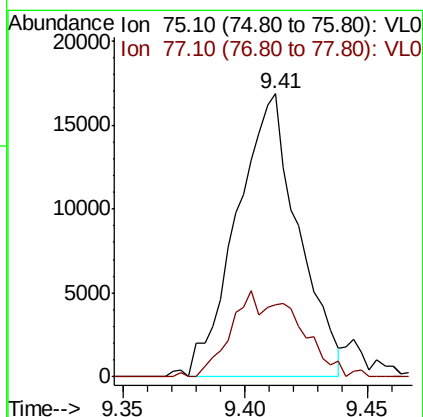
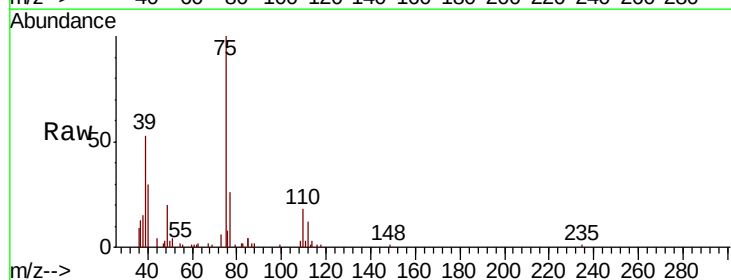
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

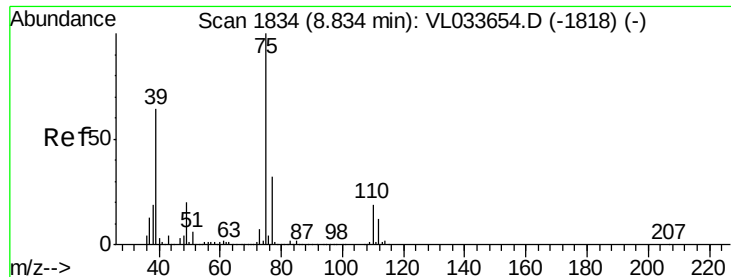
Tgt Ion: 57 Resp: 136752
 Ion Ratio Lower Upper
 57 100
 41 38.0 25.7 38.5
 56 34.1 25.0 37.6



#45
 t-1,3-Dichloropropene
 Concen: 0.309 ppbv
 RT: 9.41 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion: 75 Resp: 29436
 Ion Ratio Lower Upper
 75 100
 77 23.9 24.7 37.1#

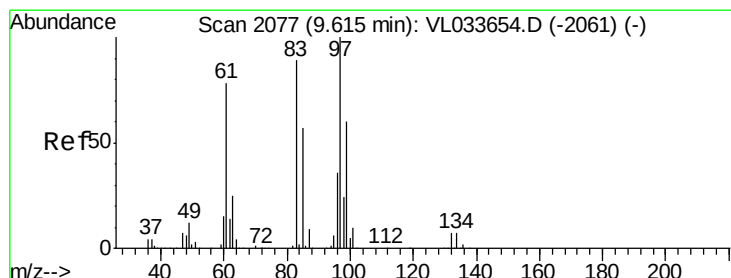
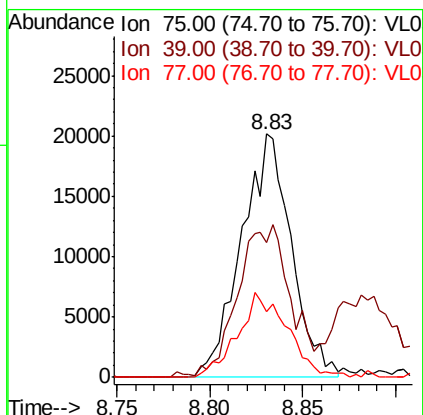
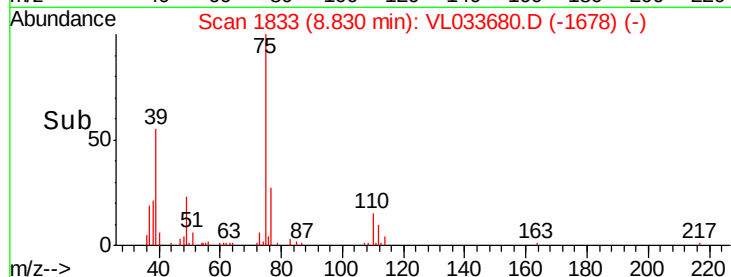
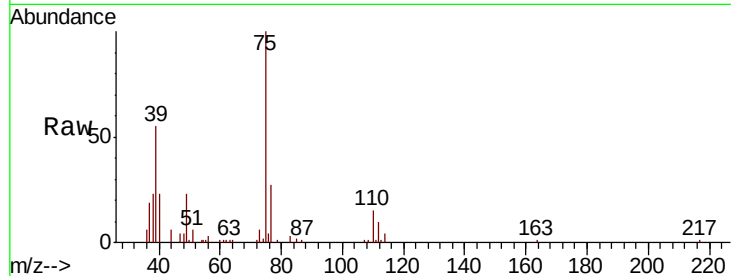




#46
 cis-1,3-Dichloropropene
 Concen: 0.317 ppbv
 RT: 8.83 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

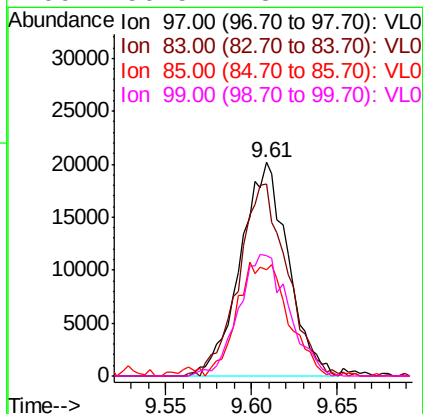
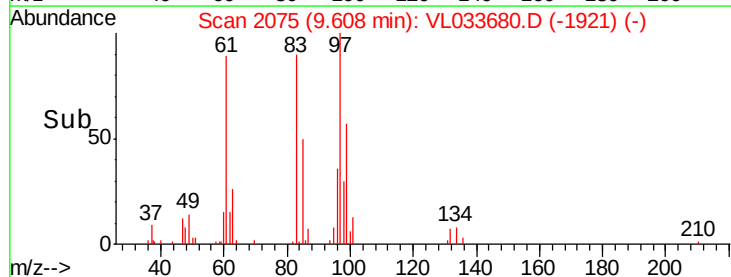
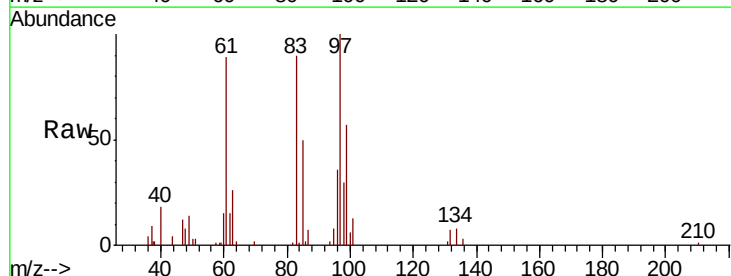
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

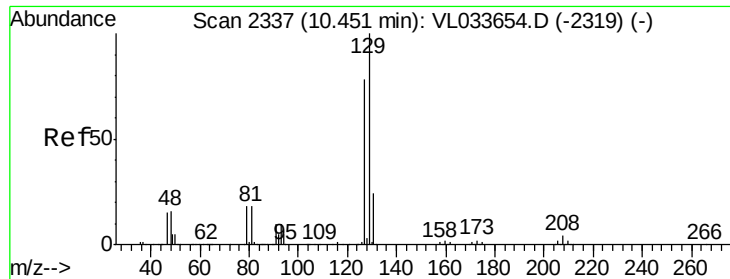
Tgt Ion: 75 Resp: 37619
 Ion Ratio Lower Upper
 75 100
 39 54.2 51.5 77.3
 77 26.7 25.4 38.0



#47
 1,1,2-Trichloroethane
 Concen: 0.441 ppbv
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion: 97 Resp: 38896
 Ion Ratio Lower Upper
 97 100
 83 89.2 70.9 106.3
 85 49.7 45.8 68.6
 99 56.5 48.2 72.4





#48

Dibromochloromethane

Concen: 0.258 ppbv

RT: 10.44 min Scan# 2334

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

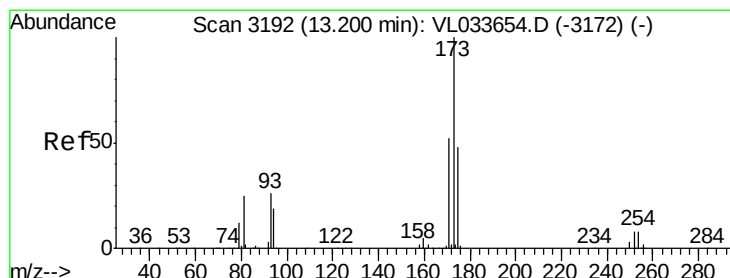
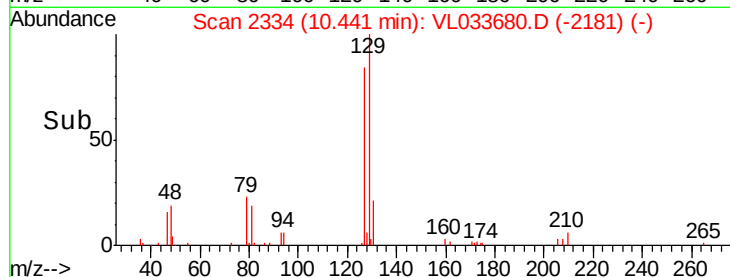
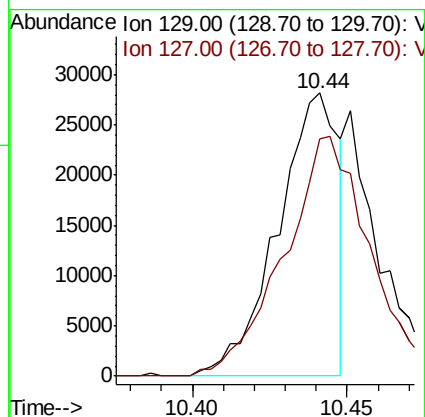
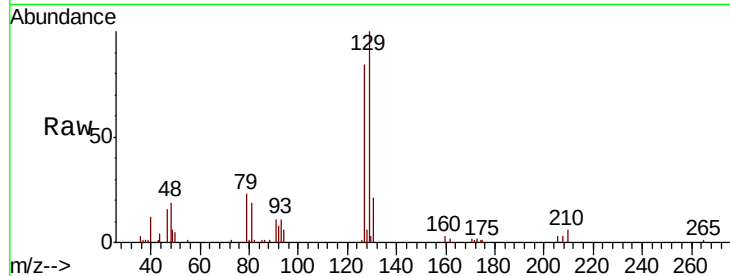
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:129 Resp: 38550

Ion Ratio Lower Upper

129 100

127 118.6 39.1 117.2#



#49

Bromoform

Concen: 0.202 ppbv

RT: 13.19 min Scan# 3189

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

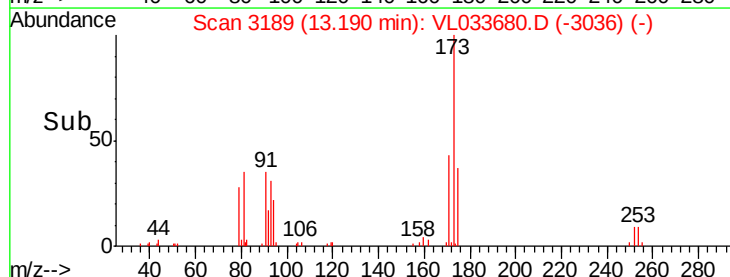
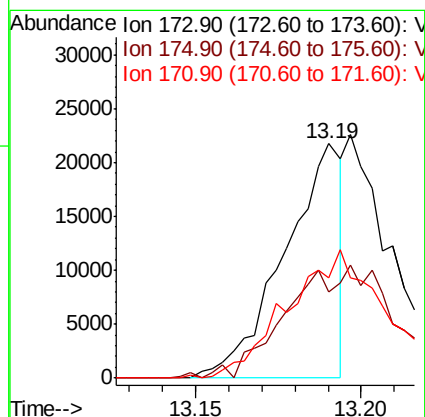
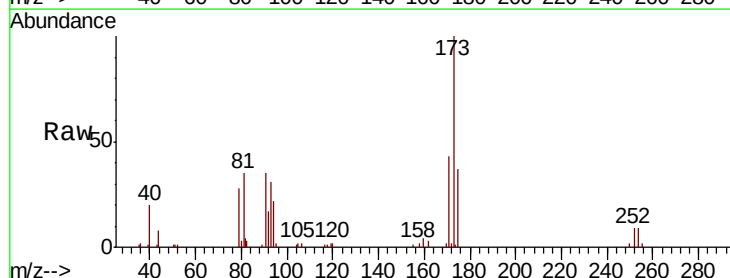
Tgt Ion:173 Resp: 26274

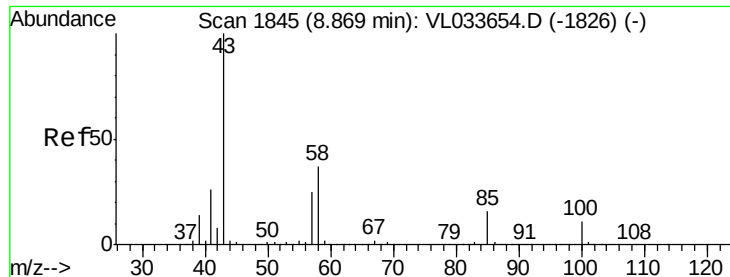
Ion Ratio Lower Upper

173 100

175 0.0 39.3 58.9#

171 0.0 41.5 62.3#

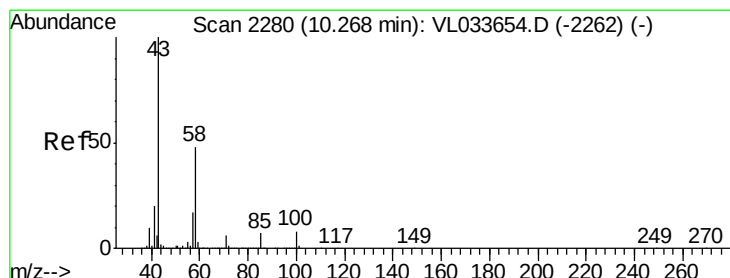
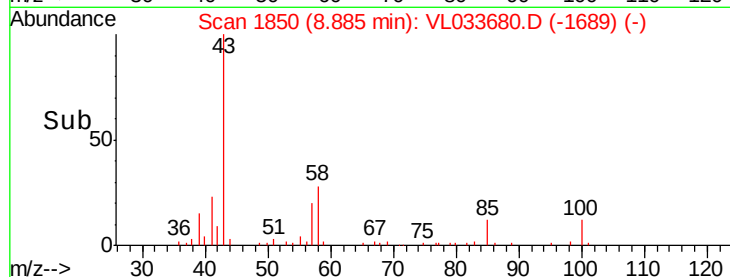
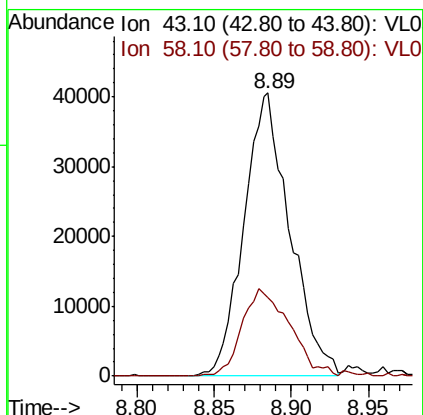
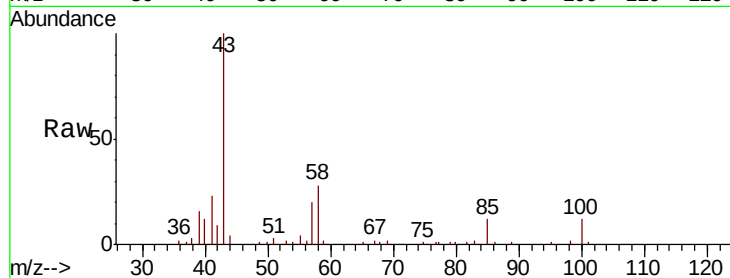




#50
 4-Methyl-2-Pentanone
 Concen: 0.377 ppbv
 RT: 8.89 min Scan# 1850
 Delta R.T. 0.02 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

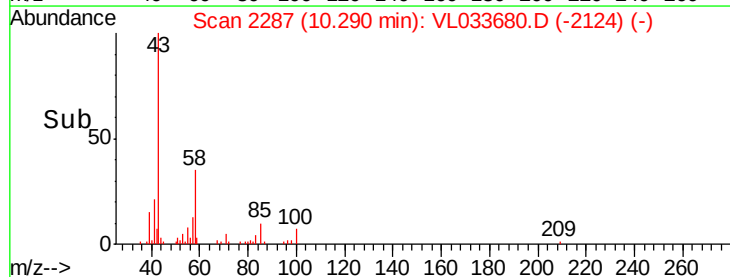
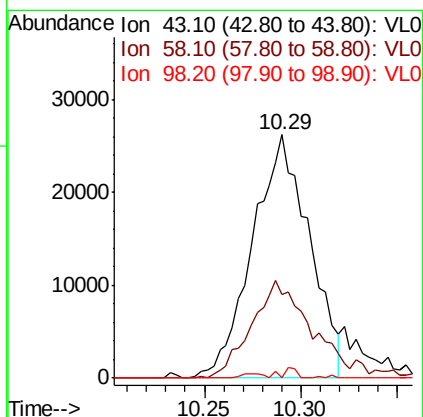
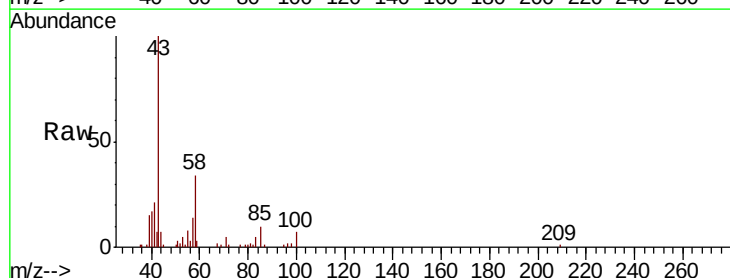
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

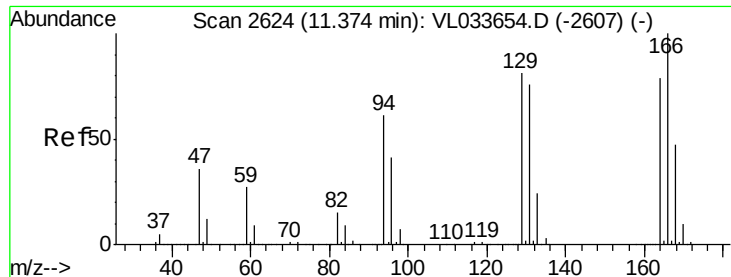
Tgt Ion: 43 Resp: 84022
 Ion Ratio Lower Upper
 43 100
 58 32.7 28.8 43.2



#51
 2-Hexanone
 Concen: 0.310 ppbv
 RT: 10.29 min Scan# 2287
 Delta R.T. 0.02 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion: 43 Resp: 53519
 Ion Ratio Lower Upper
 43 100
 58 44.5 38.2 57.4
 98 1.8 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.154 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. 0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tgt Ion:164 Resp: 11263

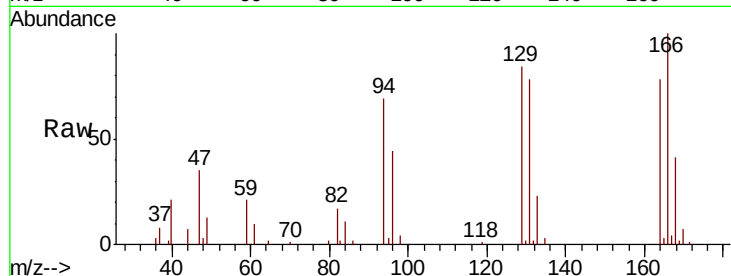
Ion Ratio Lower Upper

164 100

166 128.8 100.6 151.0

129 108.1 81.0 121.6

131 98.4 76.4 114.6

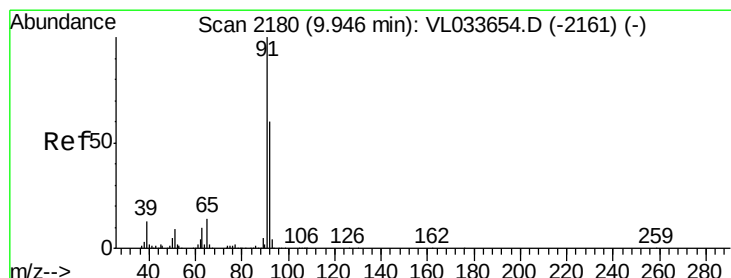
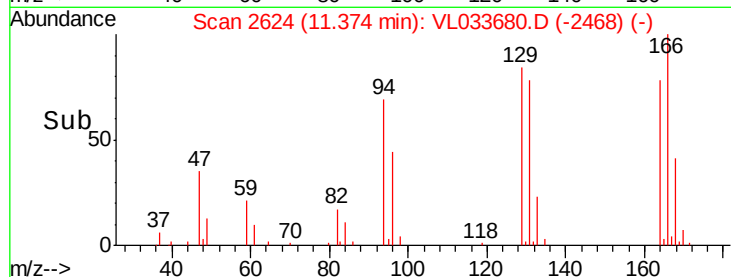
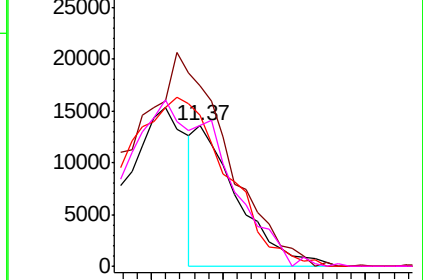


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.339 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033680.D

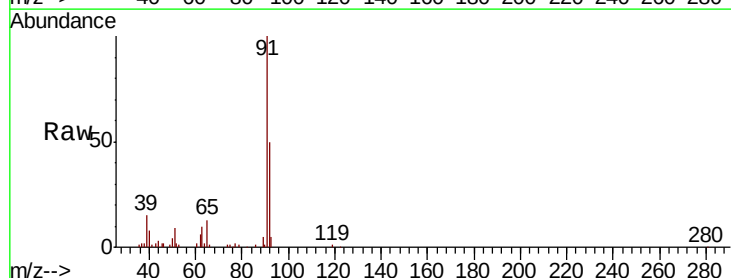
Acq: 7 May 2019 13:39

Tgt Ion: 91 Resp: 75370

Ion Ratio Lower Upper

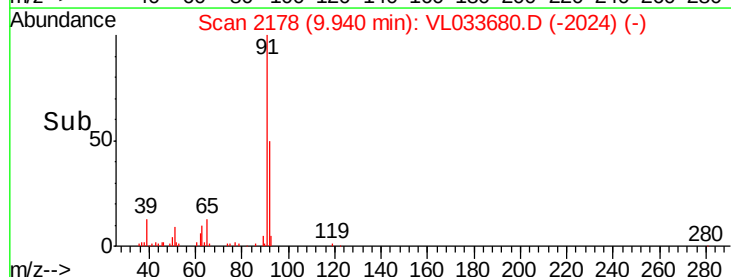
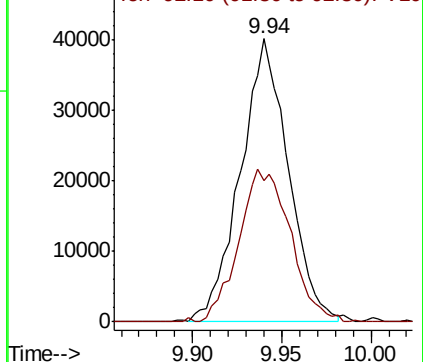
91 100

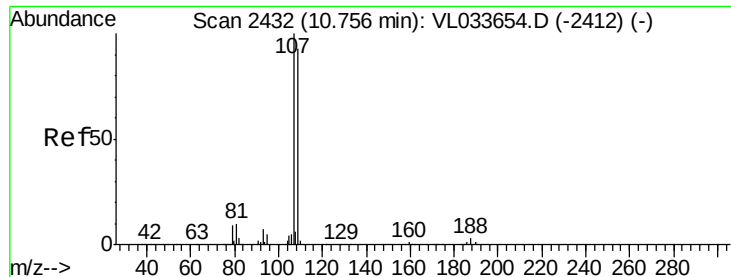
92 57.9 47.7 71.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

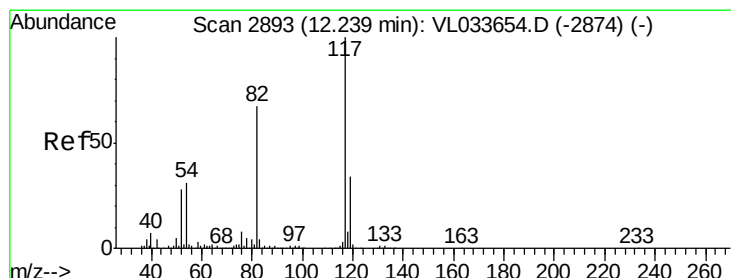
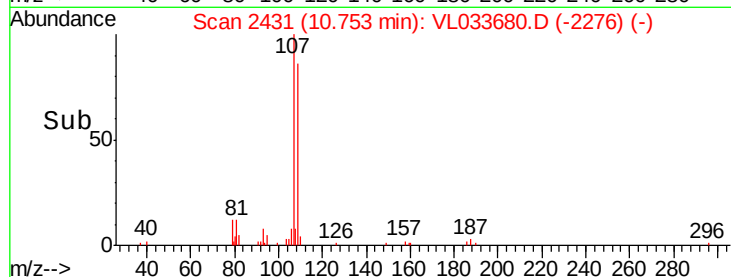
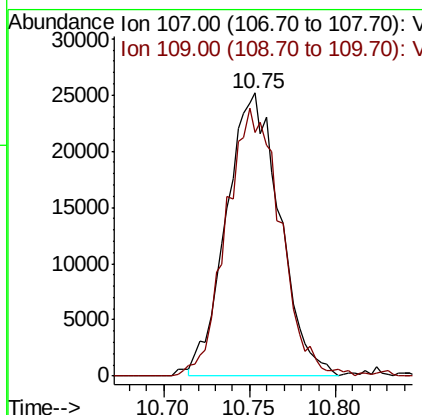
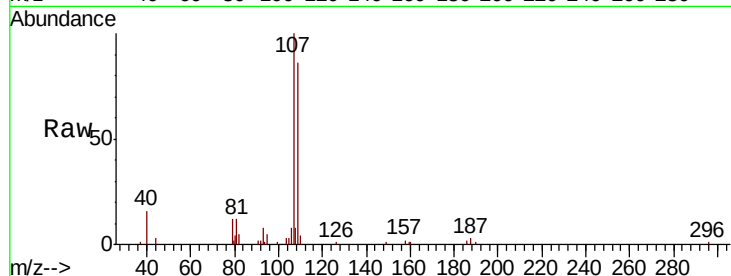




#54
 1,2-Dibromoethane
 Concen: 0.410 ppbv
 RT: 10.75 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

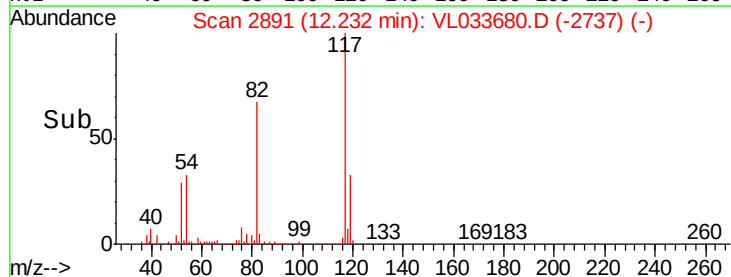
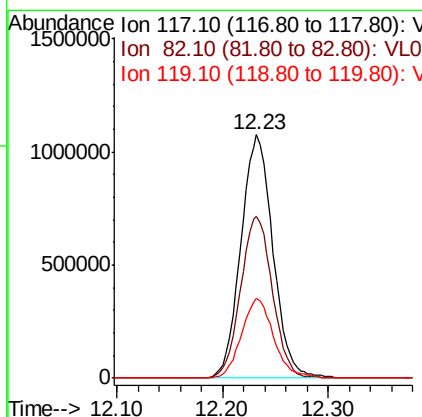
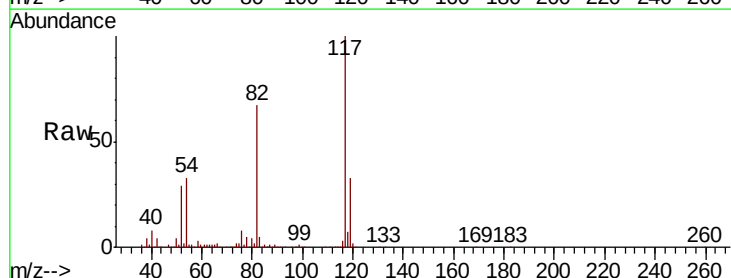
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

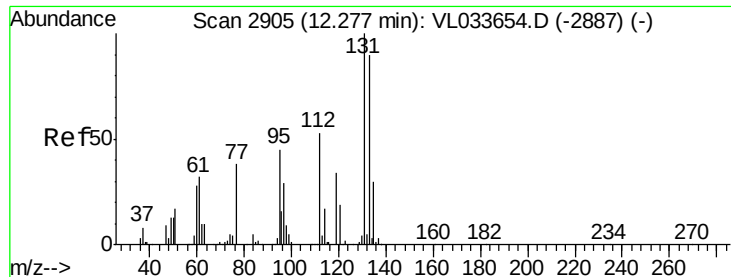
Tgt Ion:107 Resp: 54498
 Ion Ratio Lower Upper
 107 100
 109 83.4 74.6 111.8



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.23 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion:117 Resp: 2271705
 Ion Ratio Lower Upper
 117 100
 82 66.3 49.7 74.5
 119 33.2 24.8 37.2

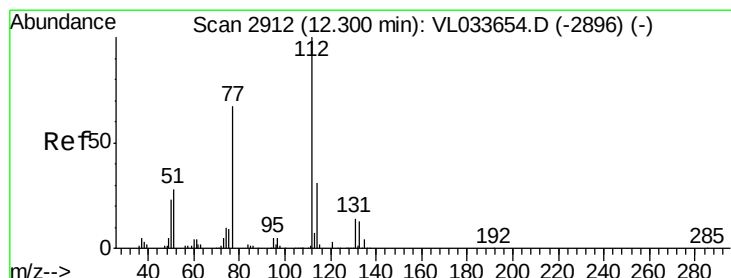
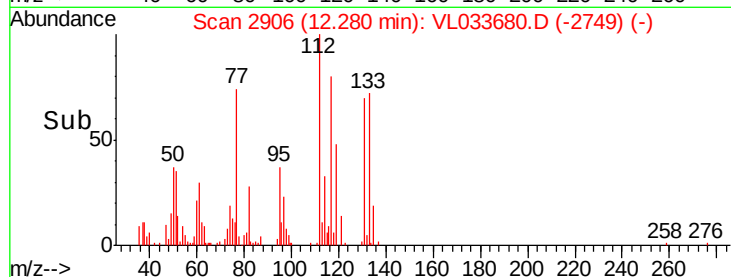
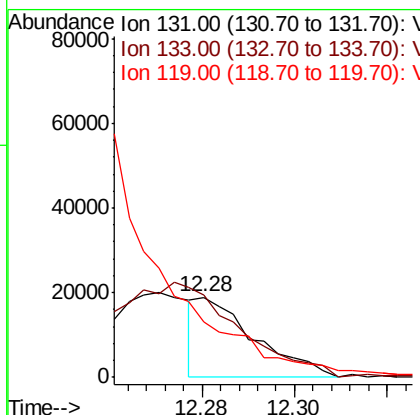
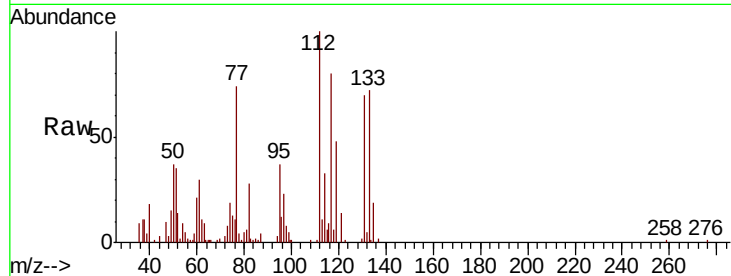




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.154 ppbv
 RT: 12.28 min Scan# 2906
 Delta R.T. 0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

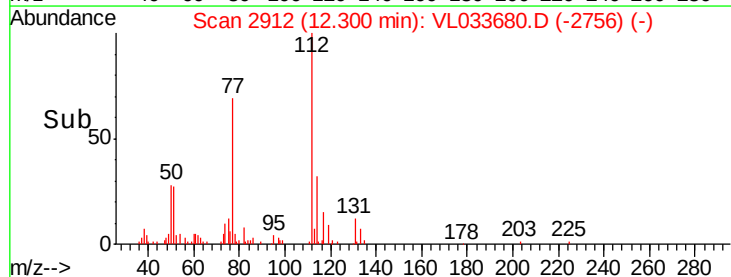
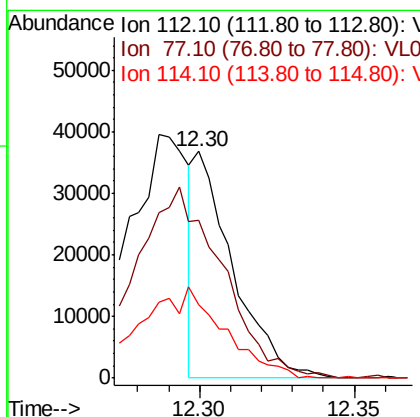
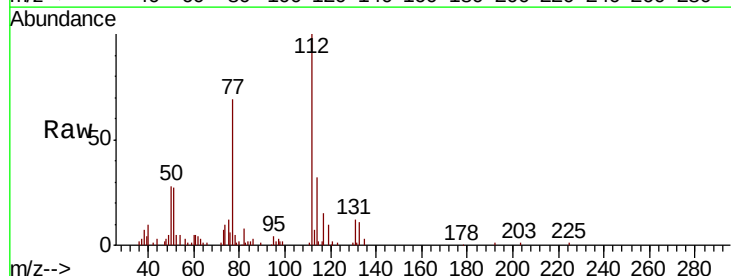
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

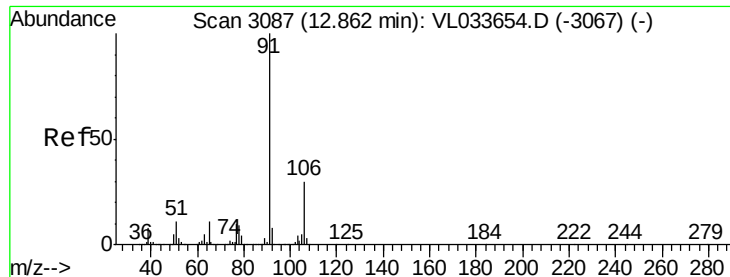
Tgt Ion:131 Resp: 16118
 Ion Ratio Lower Upper
 131 100
 133 0.0 76.0 114.0#
 119 0.0 45.4 68.2#



#57
 Chlorobenzene
 Concen: 0.170 ppbv
 RT: 12.30 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion:112 Resp: 31666
 Ion Ratio Lower Upper
 112 100
 77 65.1 54.4 81.6
 114 32.0 28.2 34.4





#58

Ethyl Benzene

Concen: 0.339 ppbv

RT: 12.86 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

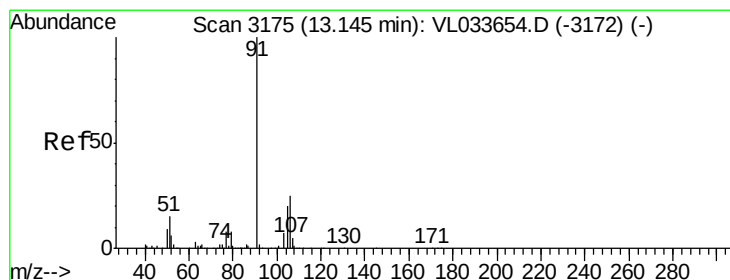
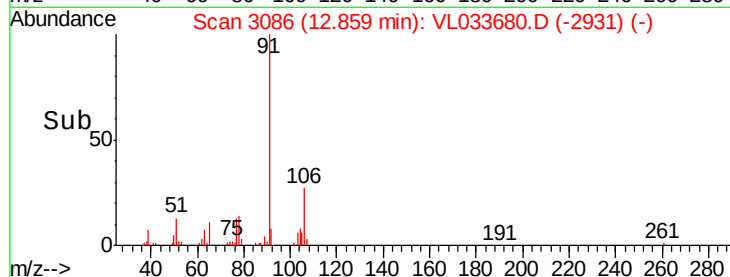
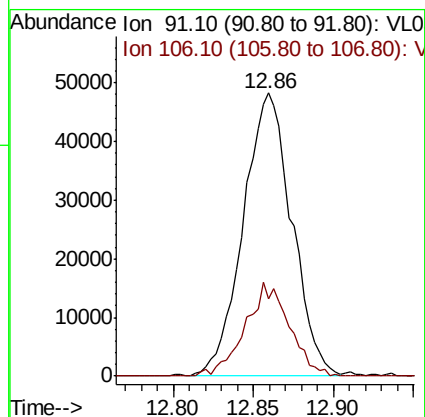
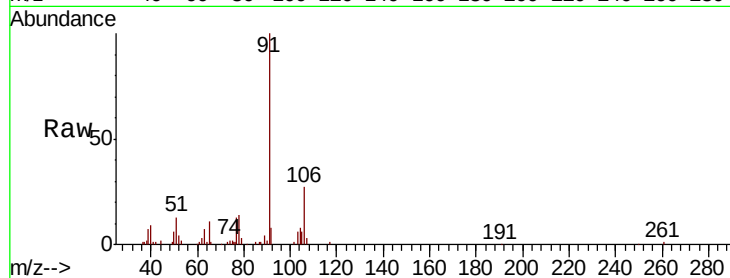
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 91 Resp: 100450

Ion Ratio Lower Upper

91 100

106 25.3 23.7 35.5



#59

m/p-Xylene

Concen: 0.351 ppbv

RT: 13.14 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL033680.D

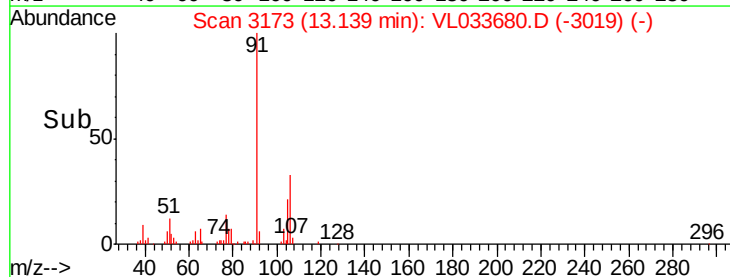
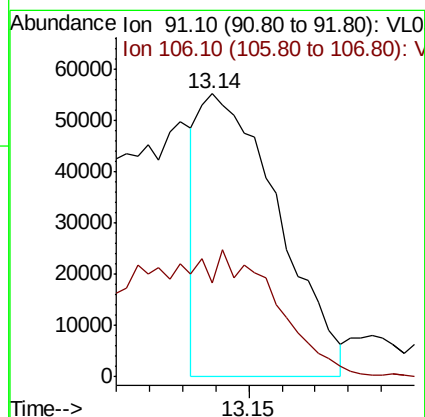
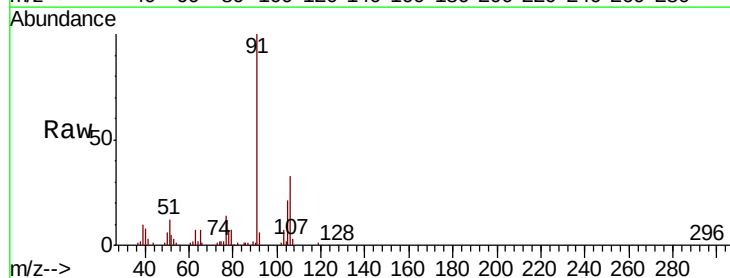
Acq: 7 May 2019 13:39

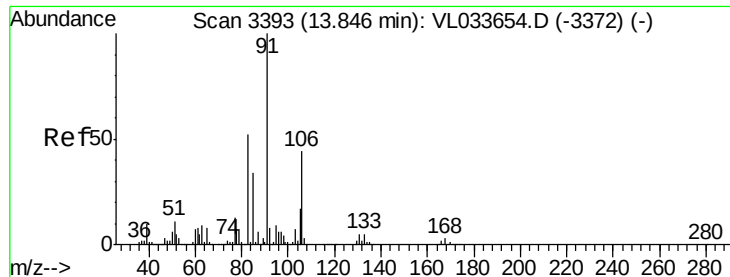
Tgt Ion: 91 Resp: 91569

Ion Ratio Lower Upper

91 100

106 91.3 36.2 54.2#





#60

o-Xylene

Concen: 0.375 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

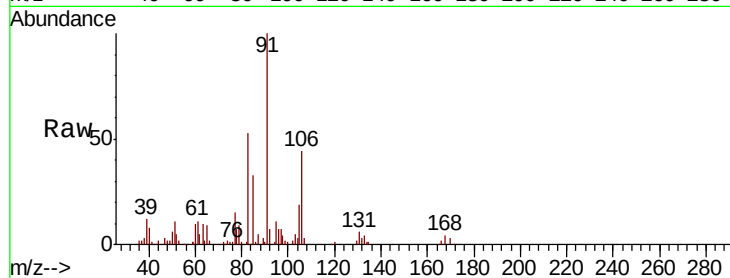
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 91 Resp: 99152

Ion Ratio Lower Upper

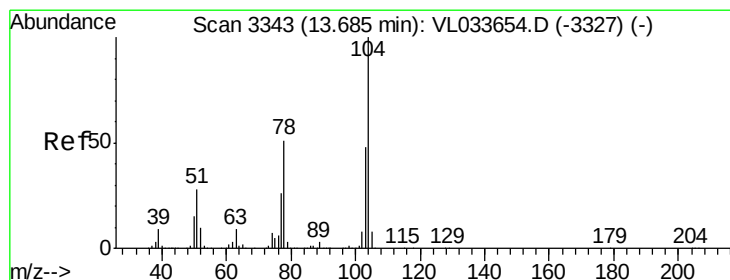
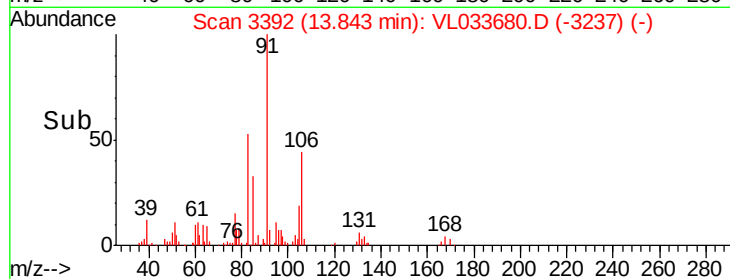
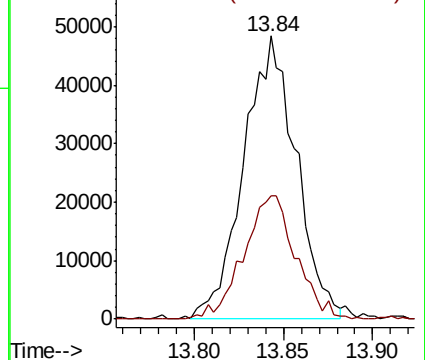
91 100

106 43.5 21.7 65.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.185 ppbv

RT: 13.68 min Scan# 3340

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

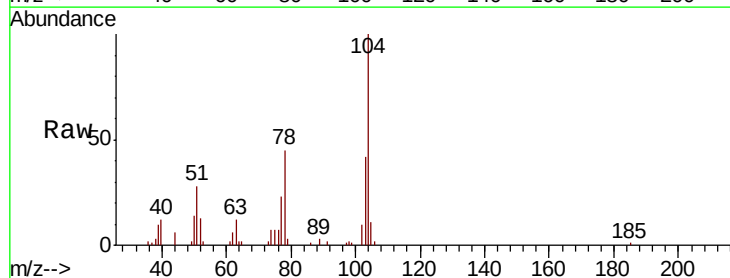
Tgt Ion: 104 Resp: 32445

Ion Ratio Lower Upper

104 100

78 89.3 43.0 64.6#

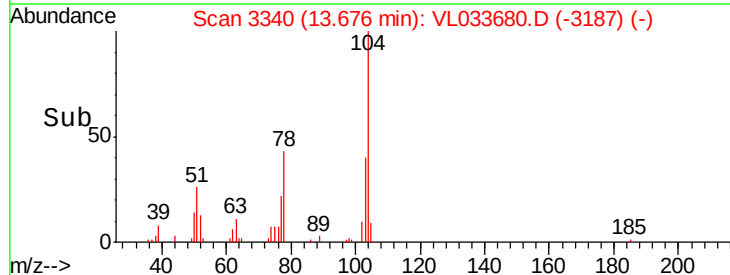
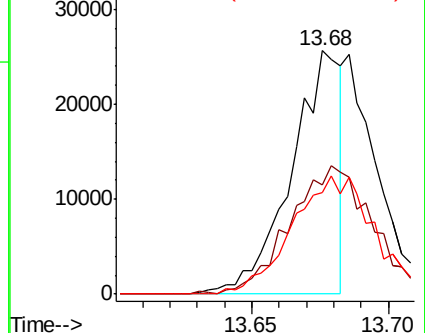
103 80.5 38.1 57.1#

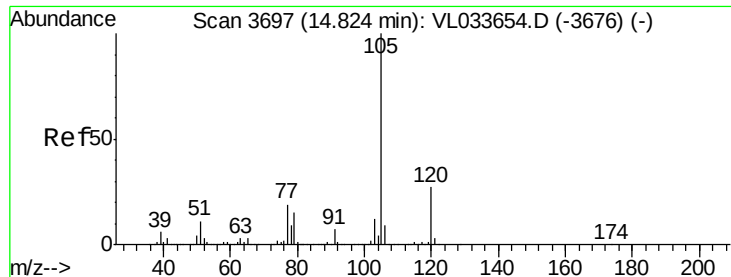


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.370 ppbv

RT: 14.82 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

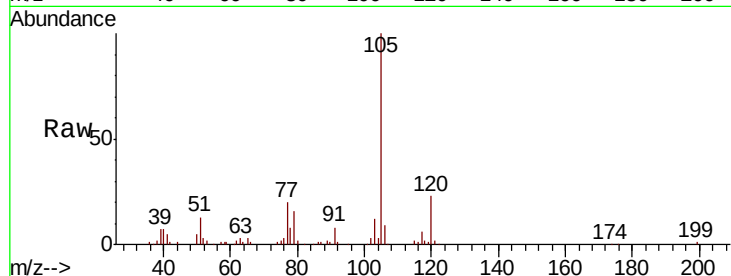
LOD-MDL-AIR-01-QT2-2019

Tgt Ion: 105 Resp: 133574

Ion Ratio Lower Upper

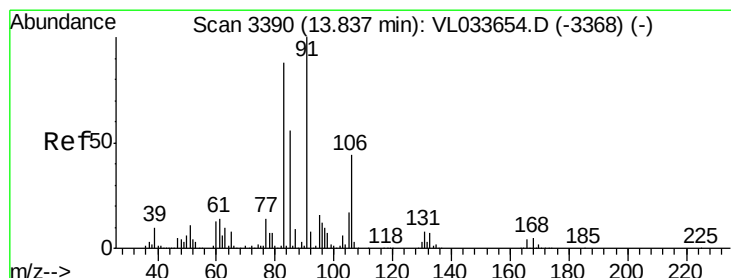
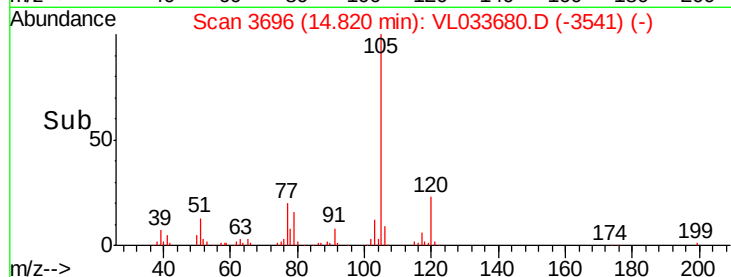
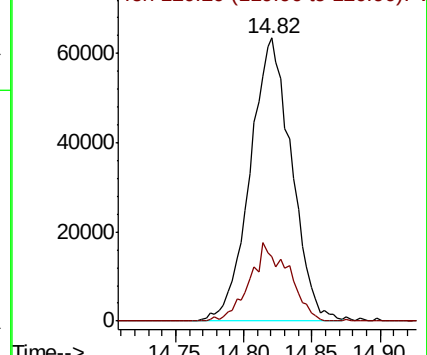
105 100

120 26.2 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#63

1,1,2,2-Tetrachloroethane

Concen: 0.439 ppbv

RT: 13.83 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

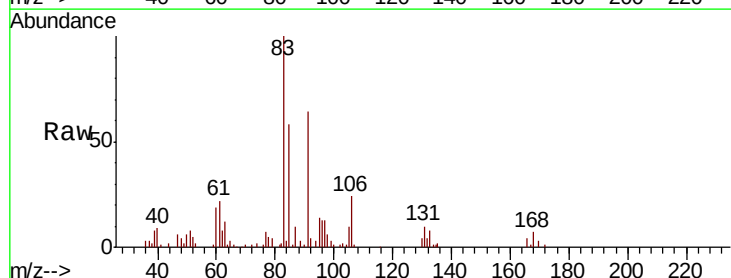
Tgt Ion: 83 Resp: 84460

Ion Ratio Lower Upper

83 100

131 10.9 4.8 14.3

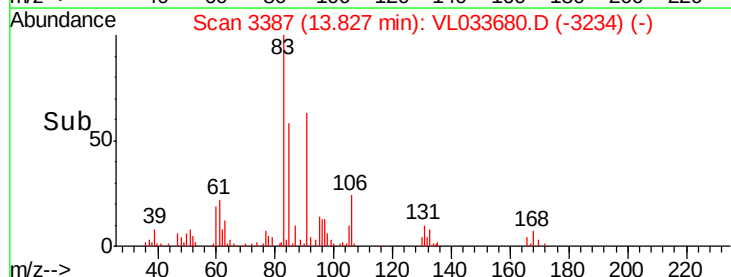
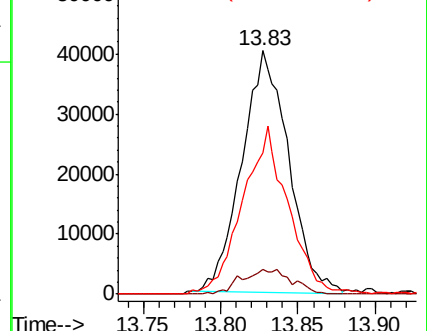
85 67.7 32.5 97.4

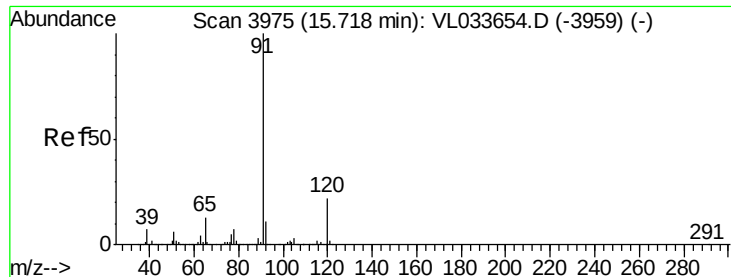


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.340 ppbv

RT: 15.71 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

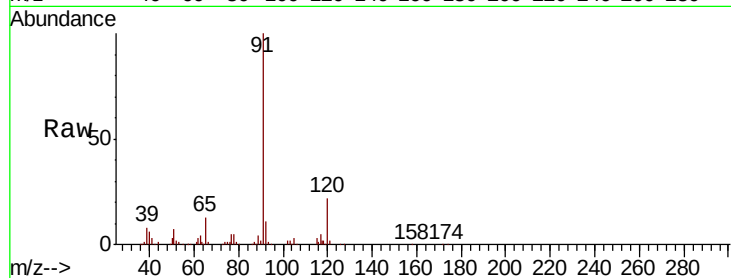
LOD-MDL-AIR-01-QT2-2019

Tgt Ion:120 Resp: 31674

Ion Ratio Lower Upper

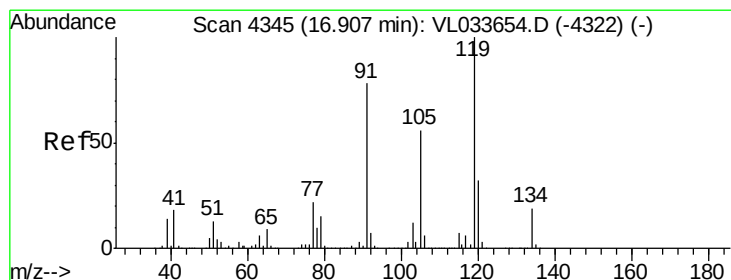
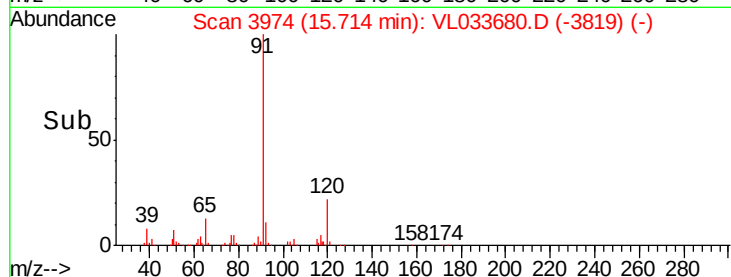
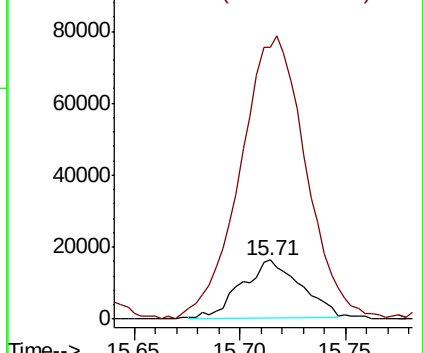
120 100

91 540.1 379.0 568.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.350 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

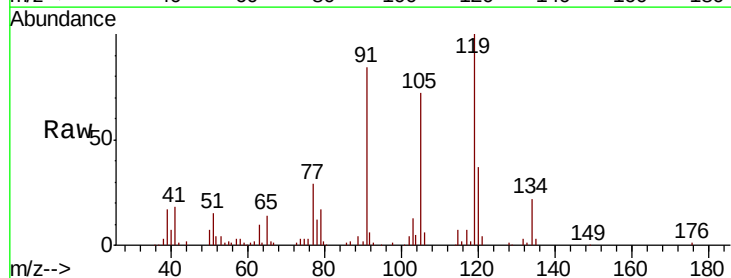
Tgt Ion:119 Resp: 115642

Ion Ratio Lower Upper

119 100

91 92.5 65.9 98.9

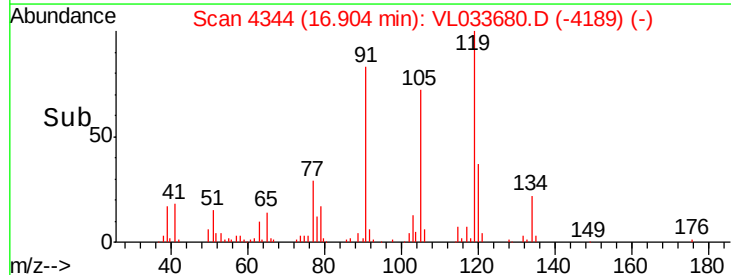
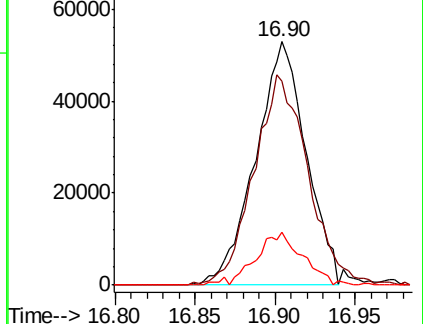
134 20.4 15.5 23.3

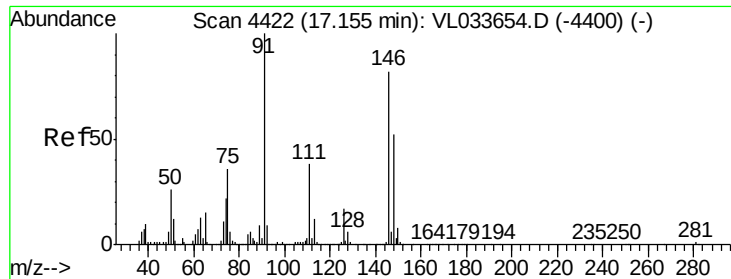


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

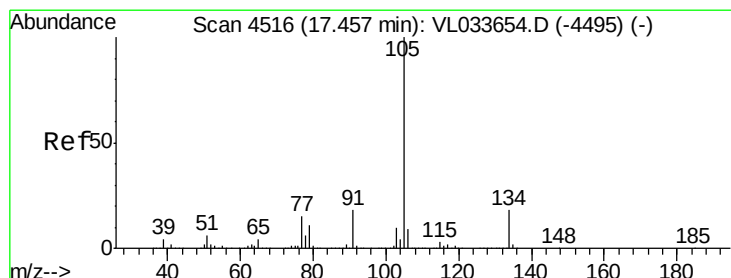
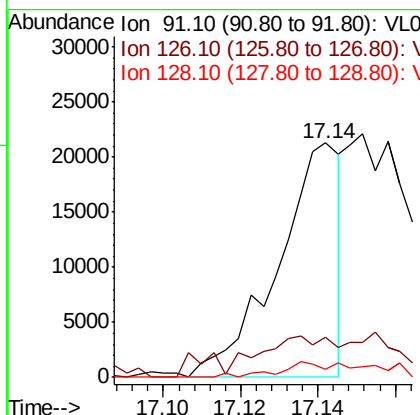
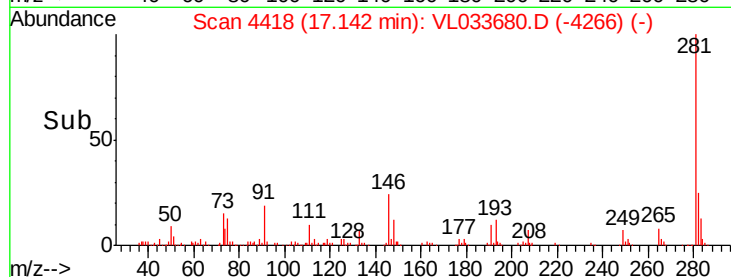
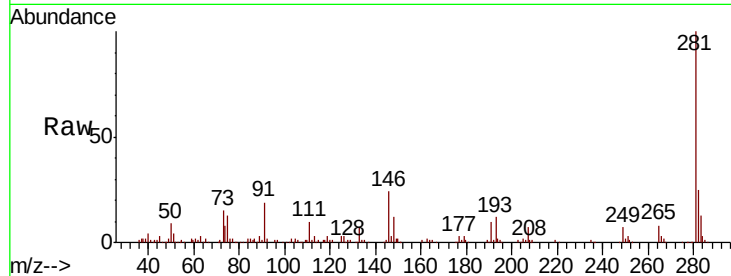




#66
Benzyl Chloride
Concen: 0.158 ppbv
RT: 17.14 min Scan# 4418
Delta R.T. -0.01 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

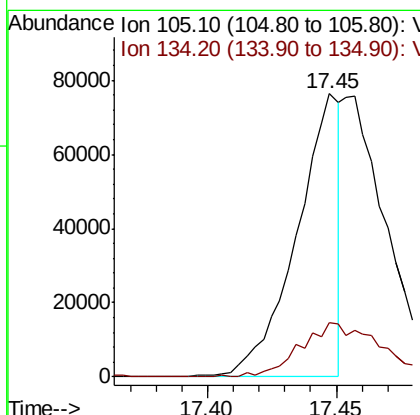
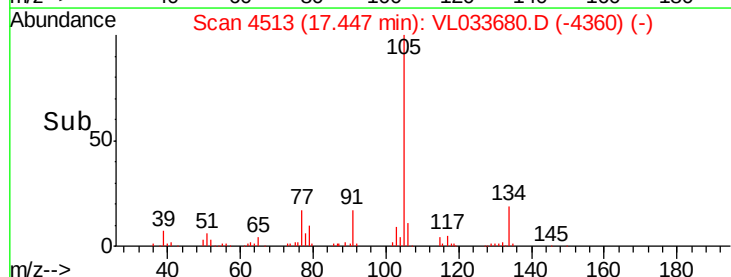
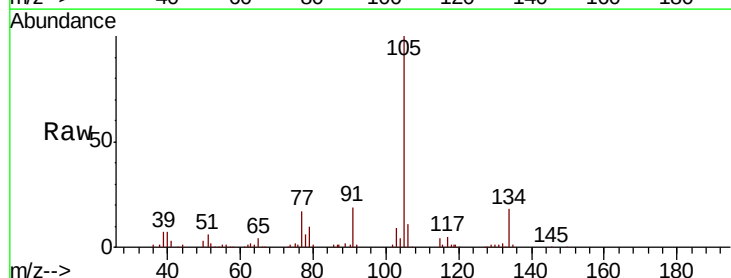
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2019

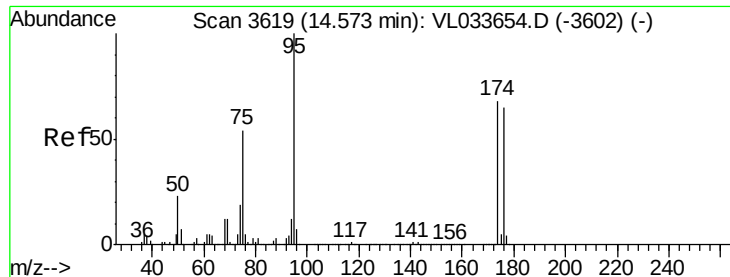
Tgt Ion: 91 Resp: 23836
Ion Ratio Lower Upper
91 100
126 0.0 13.4 20.2#
128 12.8 4.4 6.6#



#67
sec-Butylbenzene
Concen: 0.192 ppbv
RT: 17.45 min Scan# 4513
Delta R.T. -0.01 min
Lab File: VL033680.D
Acq: 7 May 2019 13:39

Tgt Ion: 105 Resp: 88454
Ion Ratio Lower Upper
105 100
134 35.1 14.6 22.0#

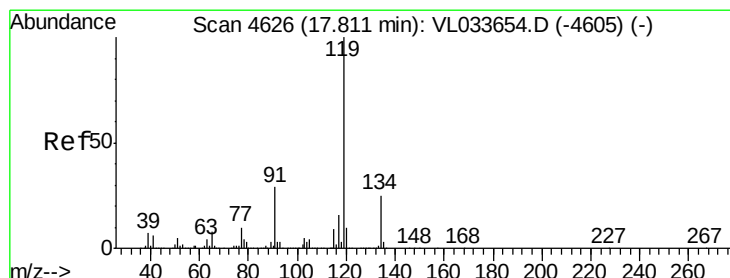
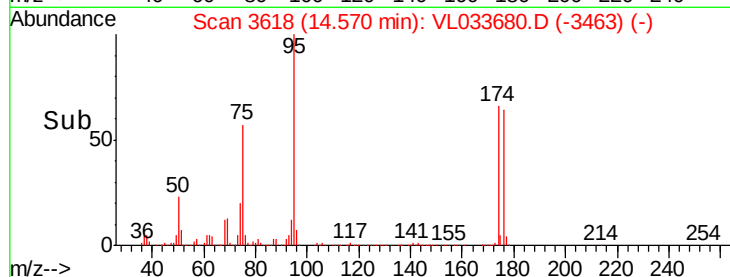
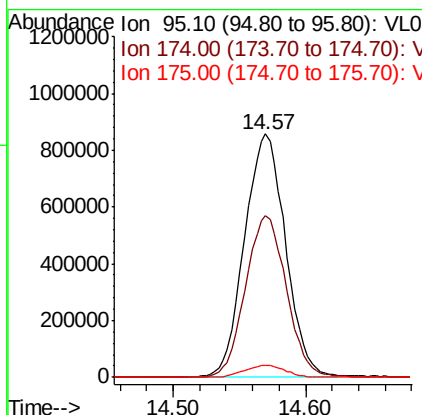
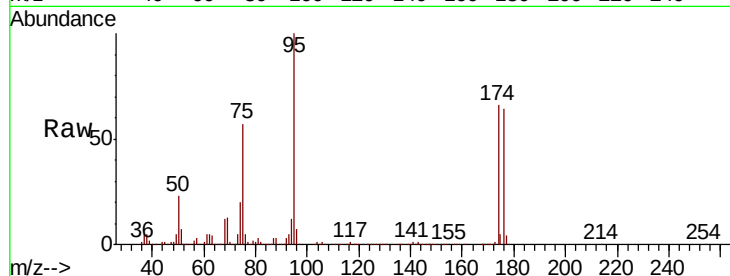




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.915 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

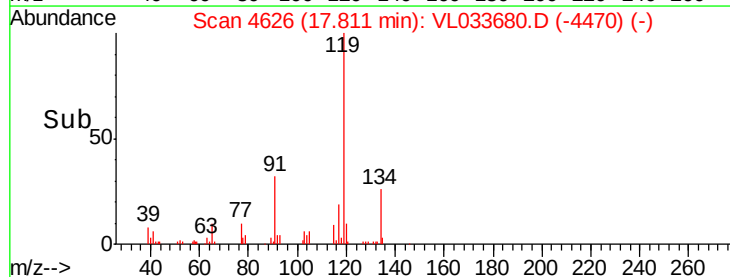
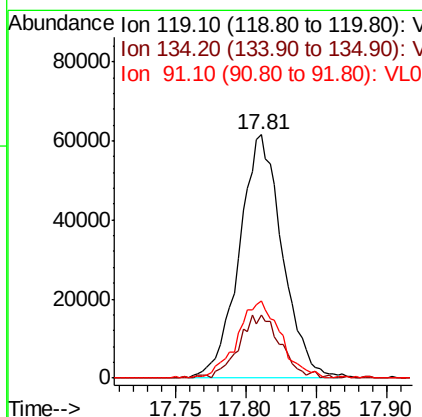
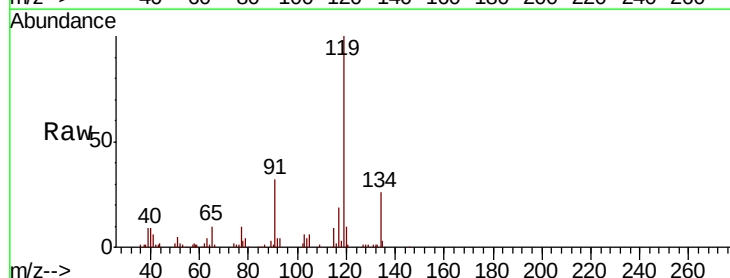
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

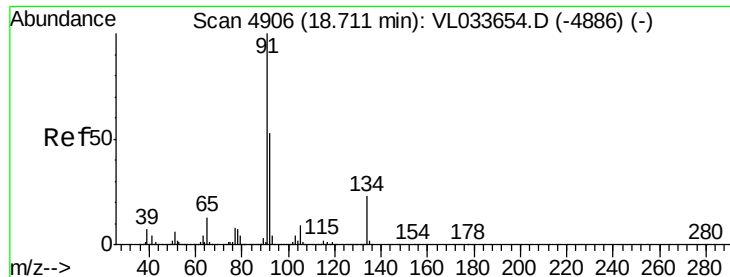
Tgt Ion: 95 Resp: 1846239
 Ion Ratio Lower Upper
 95 100
 174 66.4 54.0 81.0
 175 4.9 3.8 5.8



#69
 p-Isopropyltoluene
 Concen: 0.342 ppbv
 RT: 17.81 min Scan# 4626
 Delta R.T. 0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion: 119 Resp: 130129
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.2 30.2
 91 32.8 23.4 35.2





#70

n-Butylbenzene

Concen: 0.367 ppbv

RT: 18.71 min Scan# 4906

Delta R.T. 0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

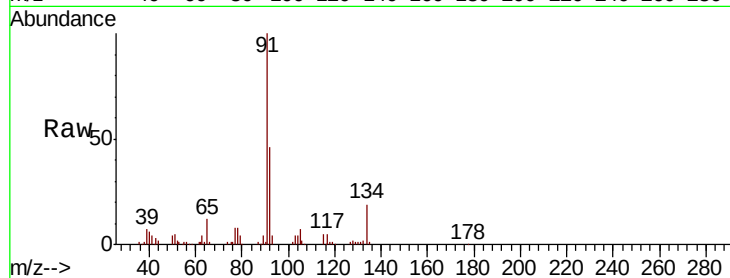
Tgt Ion: 91 Resp: 147964

Ion Ratio Lower Upper

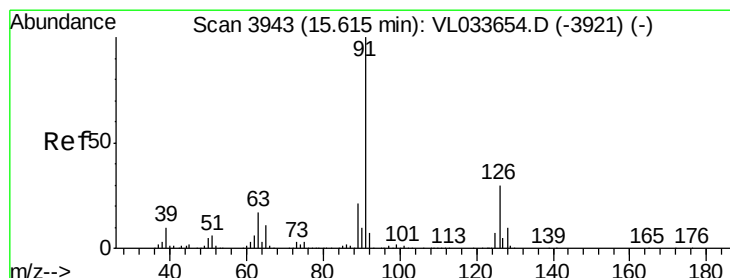
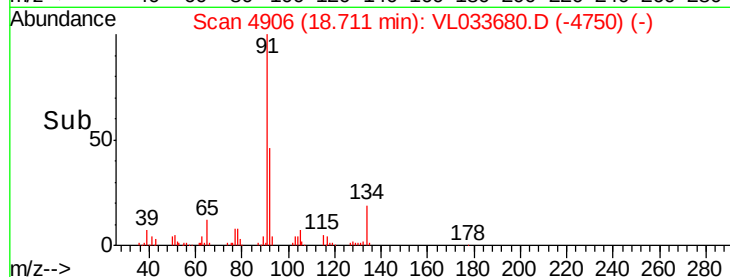
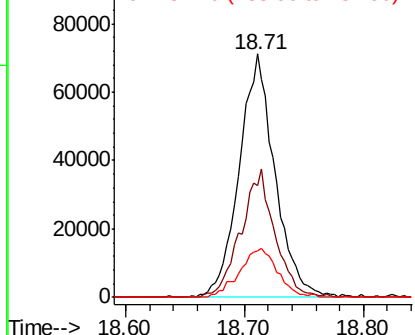
91 100

92 50.1 42.5 63.7

134 21.4 18.0 27.0



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: 0.347 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL033680.D

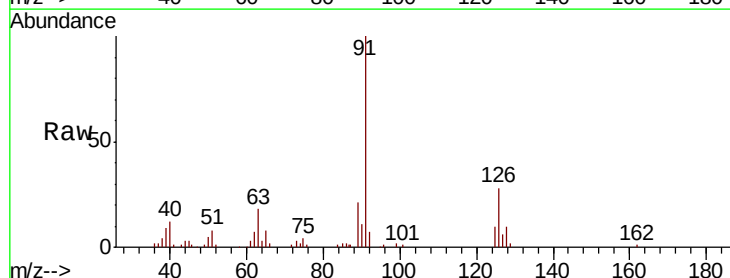
Acq: 7 May 2019 13:39

Tgt Ion: 91 Resp: 92306

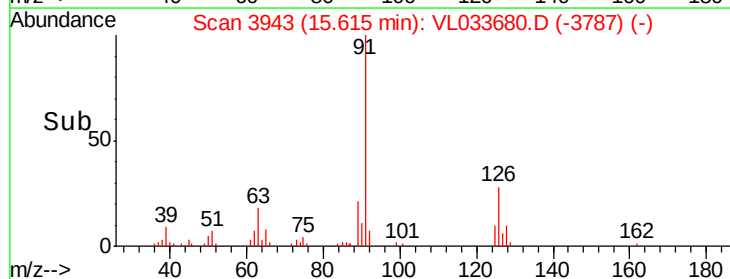
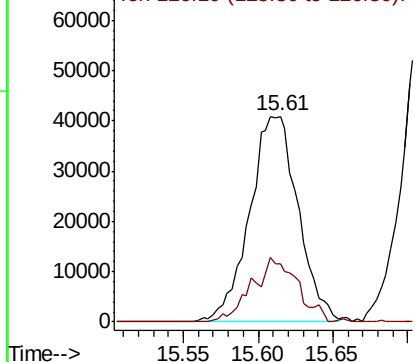
Ion Ratio Lower Upper

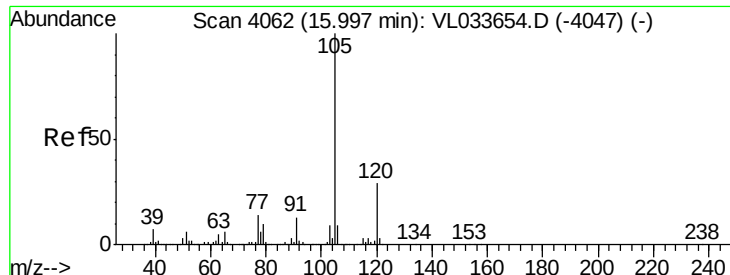
91 100

126 29.5 12.0 47.8



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





#72

4-Ethyltoluene

Concen: 0.334 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

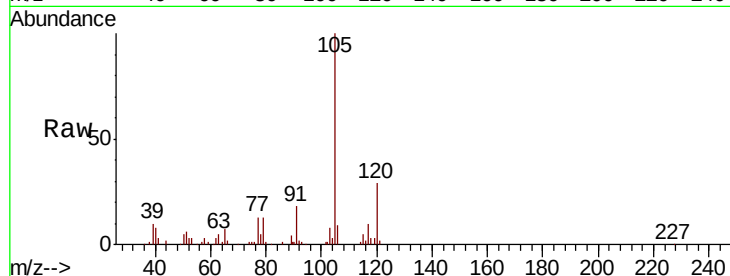
Instrument :

MSVOA_L

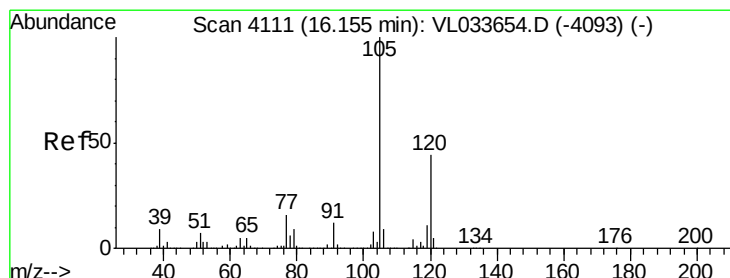
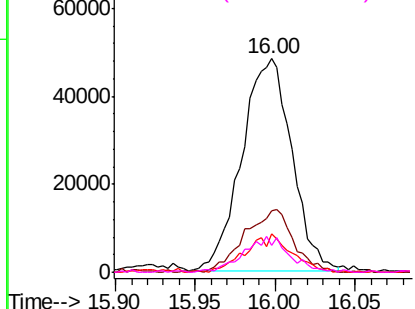
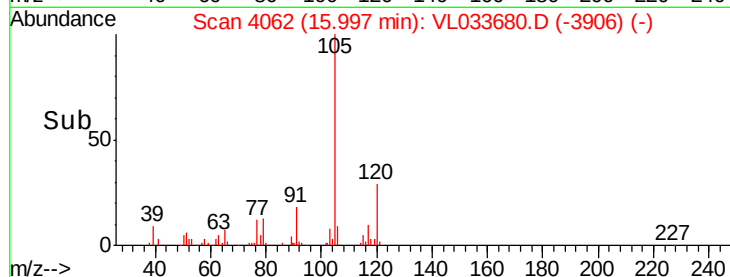
ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

Tgt Ion:	105	Resp:	103553
Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.0	34.6
91	16.6	10.5	15.7#
77	15.4	11.4	17.2



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: 0.350 ppbv

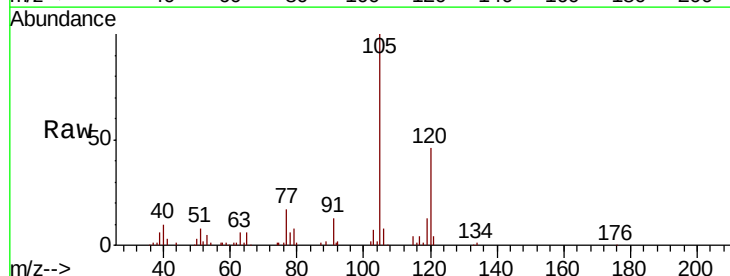
RT: 16.15 min Scan# 4111

Delta R.T. 0.00 min

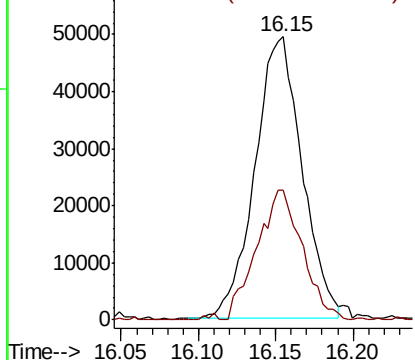
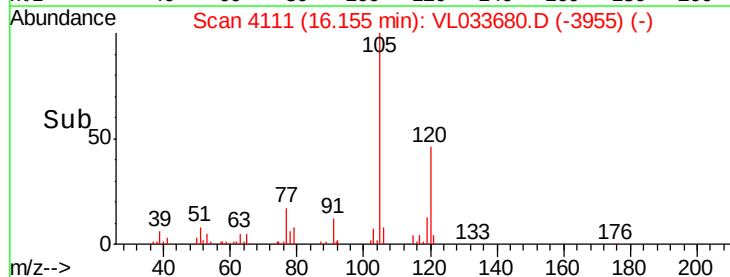
Lab File: VL033680.D

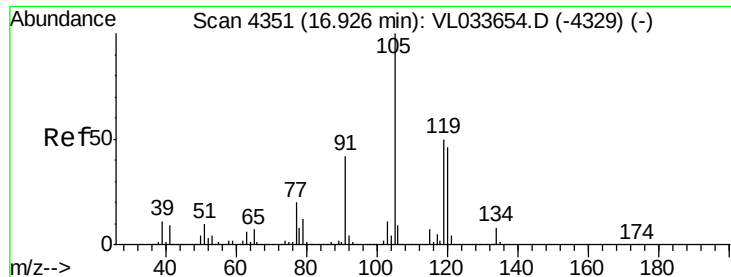
Acq: 7 May 2019 13:39

Tgt Ion:	105	Resp:	105070
Ion	Ratio	Lower	Upper
105	100		
120	45.9	35.5	53.3



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

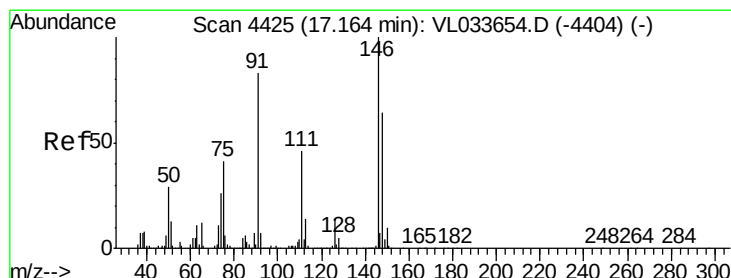
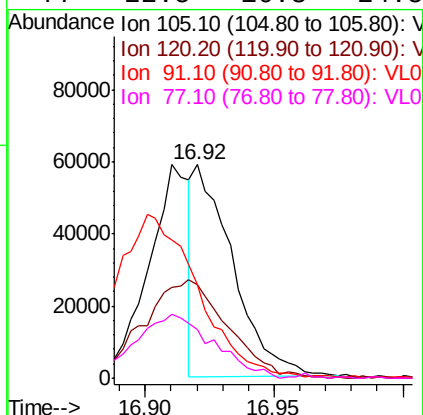
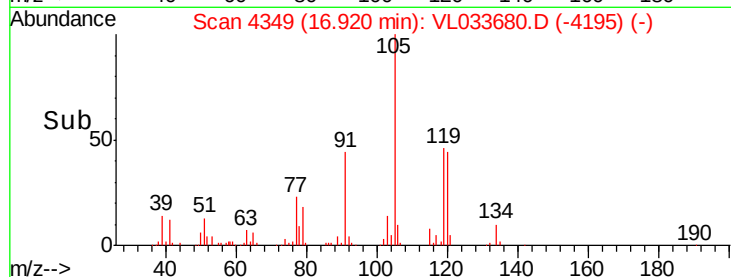
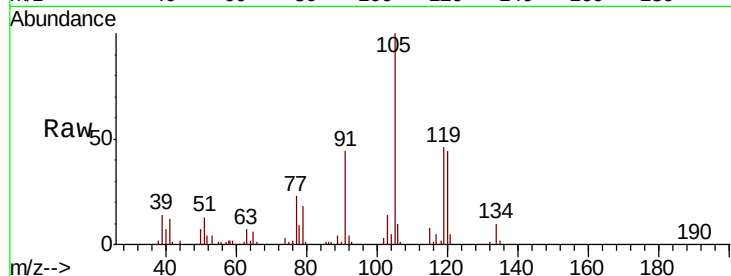




#74
 1,2,4-Trimethylbenzene
 Concen: 0.185 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

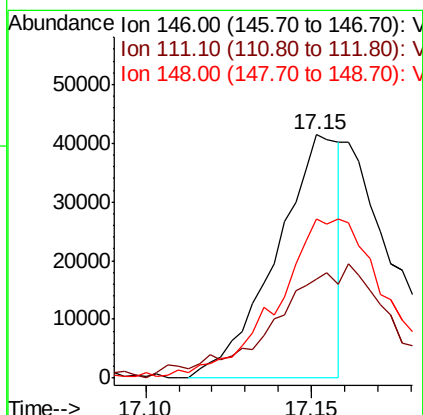
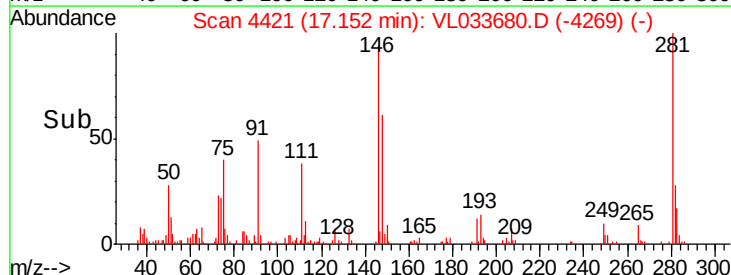
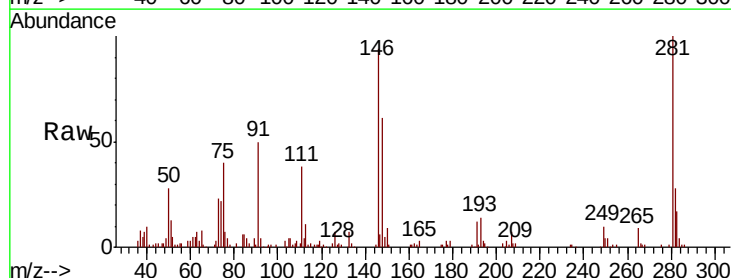
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

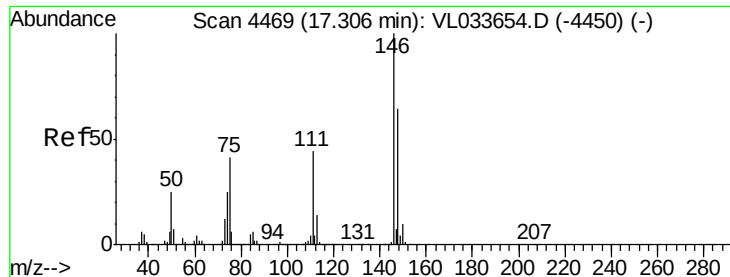
Tgt Ion:	105	Resp:	61777
Ion	Ratio	Lower	Upper
105	100		
120	47.9	36.5	54.7
91	43.5	33.7	50.5
77	22.5	16.3	24.5



#75
 1,3-Dichlorobenzene
 Concen: 0.273 ppbv
 RT: 17.15 min Scan# 4421
 Delta R.T. -0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion:	146	Resp:	54972
Ion	Ratio	Lower	Upper
146	100		
111	86.3	22.6	67.7#
148	114.9	31.8	95.4#

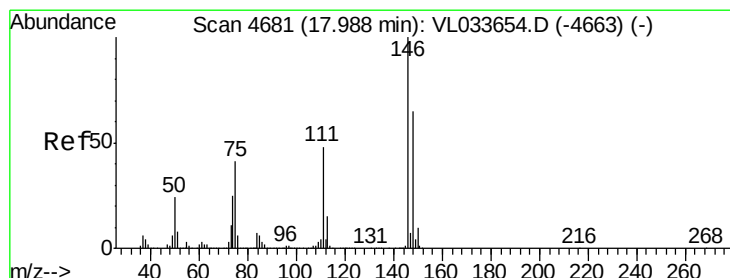
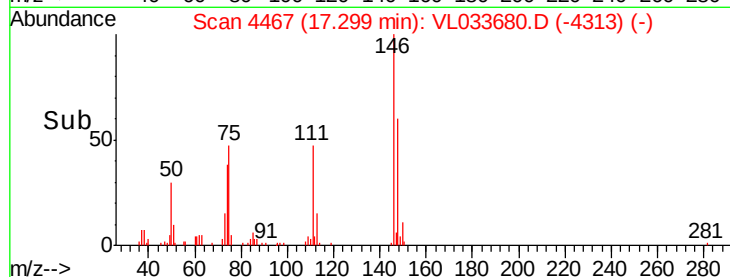
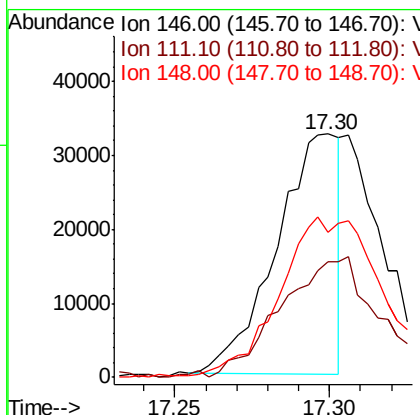
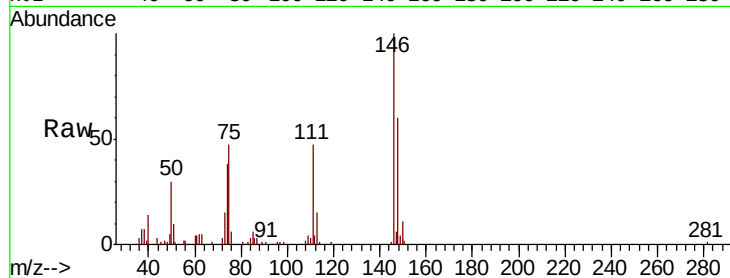




#76
 1,4-Dichlorobenzene
 Concen: 0.242 ppbv
 RT: 17.30 min Scan# 4467
 Delta R.T. -0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

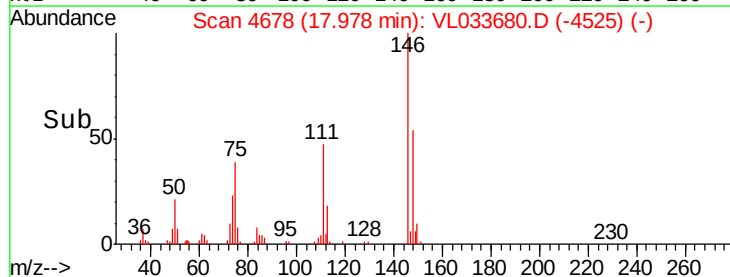
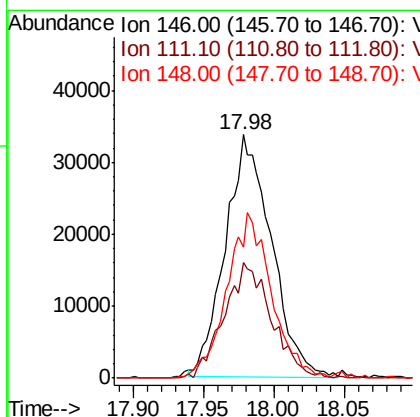
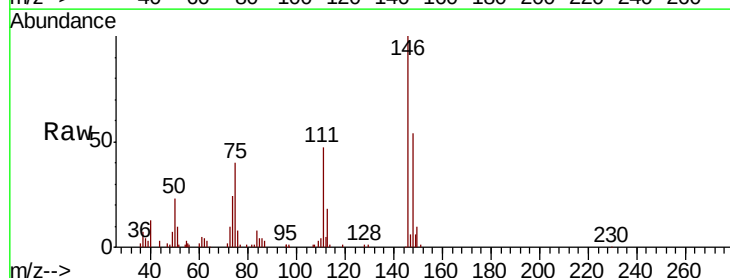
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

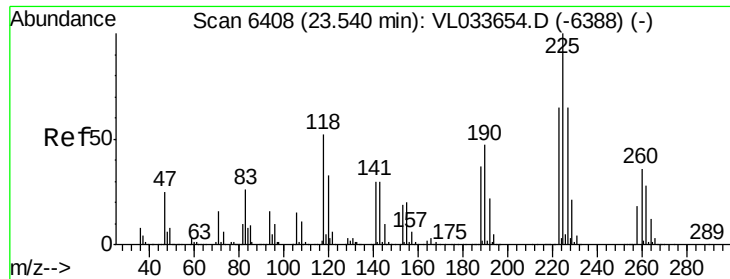
Tgt Ion:146 Resp: 46193
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.0 66.0#
 148 109.8 32.1 96.5#



#77
 1,2-Dichlorobenzene
 Concen: 0.410 ppbv
 RT: 17.98 min Scan# 4678
 Delta R.T. -0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion:146 Resp: 76604
 Ion Ratio Lower Upper
 146 100
 111 49.3 23.4 70.0
 148 66.0 31.9 95.9

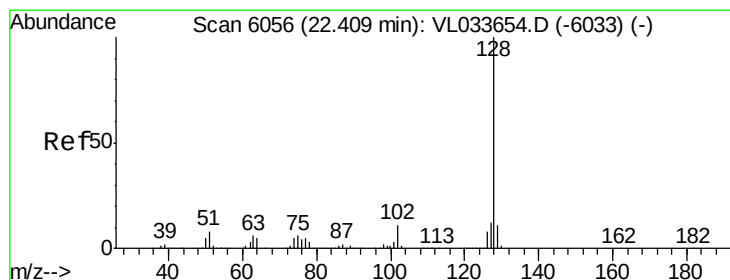
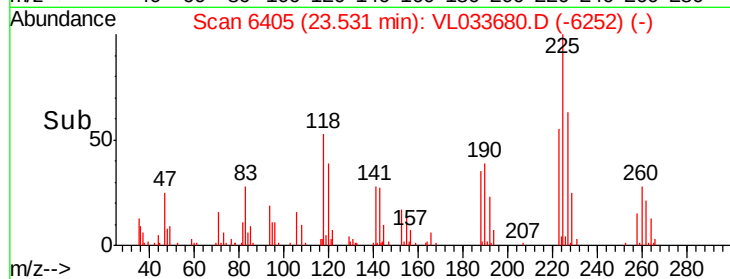
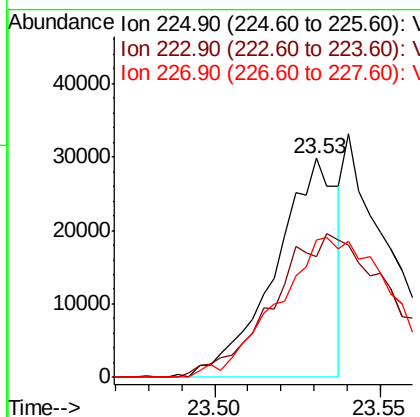
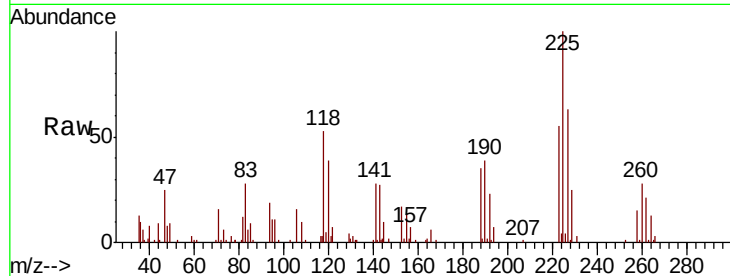




#78
 Hexachloro-1,3-Butadiene
 Concen: 0.262 ppbv
 RT: 23.53 min Scan# 6405
 Delta R.T. -0.01 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

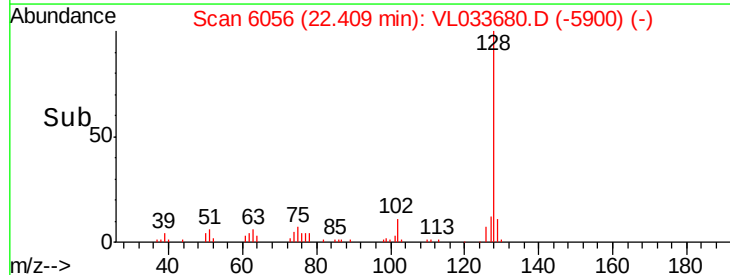
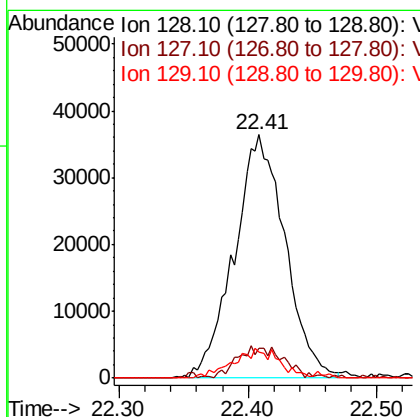
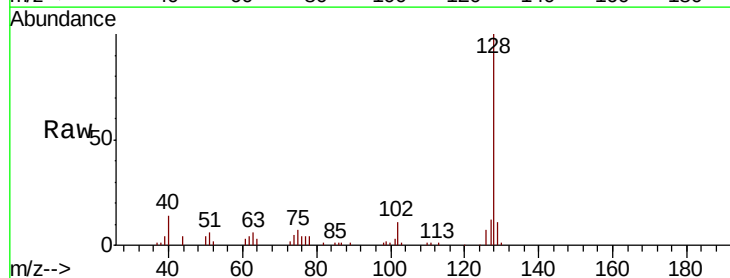
Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2019

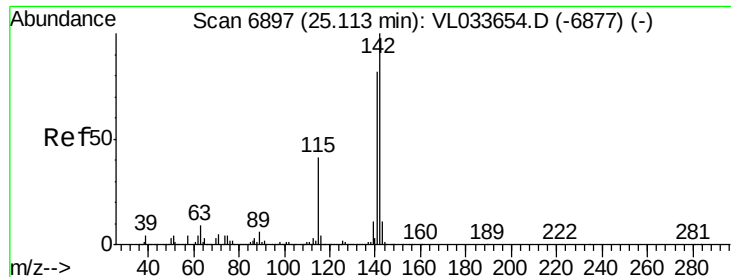
Tgt Ion: 225 Resp: 38790
 Ion Ratio Lower Upper
 225 100
 223 123.2 50.7 76.1#
 227 120.0 51.4 77.2#



#79
 Naphthalene
 Concen: 0.328 ppbv
 RT: 22.41 min Scan# 6056
 Delta R.T. 0.00 min
 Lab File: VL033680.D
 Acq: 7 May 2019 13:39

Tgt Ion: 128 Resp: 99803
 Ion Ratio Lower Upper
 128 100
 127 11.7 9.8 14.8
 129 11.7 8.8 13.2





#80

Naphthalene, 2-methyl-

Concen: 0.230 ppbv

RT: 25.11 min Scan# 6895

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT2-2019

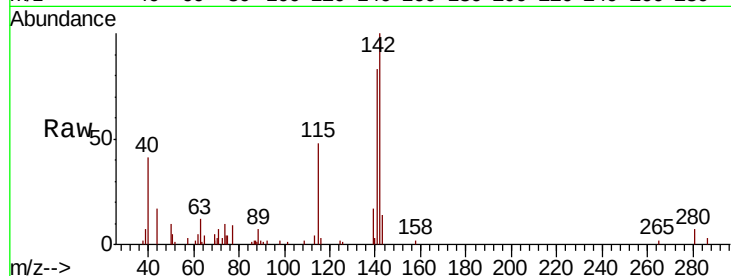
Tgt Ion:142 Resp: 26434

Ion Ratio Lower Upper

142 100

141 89.7 67.9 101.9

115 50.0 34.2 51.4



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

25.11

15000

10000

5000

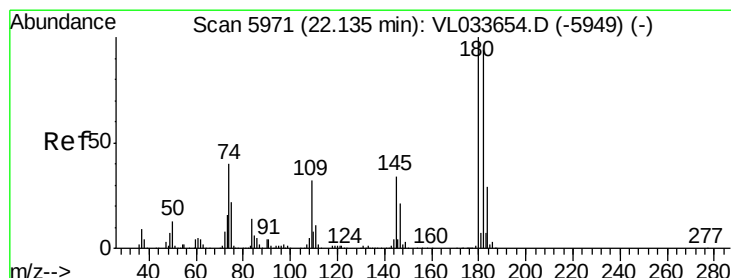
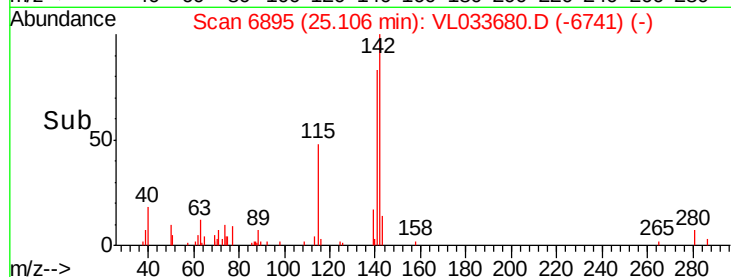
0

Time-->

25.00

25.10

25.20



#81

1,2,4-Trichlorobenzene

Concen: 0.218 ppbv

RT: 22.13 min Scan# 5969

Delta R.T. -0.01 min

Lab File: VL033680.D

Acq: 7 May 2019 13:39

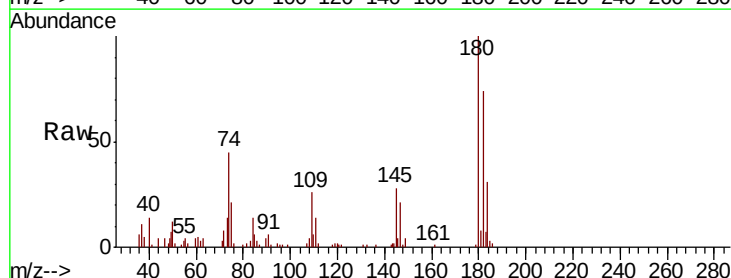
Tgt Ion:180 Resp: 38571

Ion Ratio Lower Upper

180 100

182 0.0 77.4 116.0#

184 55.1 24.6 36.8#



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

22.13

30000

20000

10000

0

Time-->

22.10

