

Data File : VL033605.D

Acq On : 17 Apr 2019 16:53

Operator : SY/AP

Sample : K2241-15 0.4 PPB

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

Quant Time: Apr 18 05:39:47 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019

QLast Update : Tue Mar 26 16:00:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	766534	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1873447	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1894626	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1542860	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.08	85	59543	0.533	ppbv 93
3) Chlorodifluoromethane	3.02	51	37712	0.427	ppbv 97
4) Chloromethane	3.17	50	21187	0.454	ppbv 91
5) Vinyl Chloride	3.29	62	19009	0.414	ppbv 99
6) Bromomethane	3.52	94	12796	0.434	ppbv # 74
7) Chloroethane	3.60	64	7073	0.414	ppbv 89
8) Dichlorotetrafluoroethane	3.22	85	54279	0.456	ppbv 100
9) Propene	3.04	41	7883	0.213	ppbv # 16
10) Heptane	8.24	43	14509	0.146	ppbv # 27
11) Trichlorofluoromethane	4.00	101	62230	0.452	ppbv 88
12) 1,1,2-Trichlorotrifluoroet	4.55	101	42588	0.460	ppbv 97
13) Ethanol	3.66	45	3372	0.352	ppbv 91
14) Bromoethene	3.79	108	15368	0.416	ppbv 99
15) Acetone	3.91	43	51073	0.554	ppbv 96
16) 1,3-Butadiene	3.37	39	16057	0.439	ppbv 97
17) tert-Butyl alcohol	4.35	59	725	0.043	ppbv # 73
18) 1,1-Dichloroethene	4.35	96	16783	0.422	ppbv # 88
19) Isopropyl Alcohol	4.04	45	27769	0.476	ppbv # 92
20) Methylene Chloride	4.41	84	20840	0.533	ppbv 95
21) Allyl Chloride	4.48	41	22227	0.381	ppbv 99
22) trans-1,2-Dichloroethene	4.96	96	9425	0.227	ppbv 90
23) Vinyl Acetate	5.15	43	42185	0.322	ppbv # 93
24) 1,1-Dichloroethane	5.09	63	41182	0.413	ppbv 99
25) Ethyl Acetate	5.77	43	60342	0.353	ppbv 100
26) Hexane	5.78	57	26465	0.348	ppbv # 92
27) Carbon Disulfide	4.62	76	16463	0.182	ppbv # 64
28) Methyl tert-Butyl Ether	5.13	73	32768	0.299	ppbv 93
29) Chloroform	5.84	83	51546	0.395	ppbv 85
30) Cyclohexane	7.25	84	17099	0.284	ppbv # 26
31) cis-1,2-Dichloroethene	5.64	61	23223	0.307	ppbv # 78
32) 1,1,1-Trichloroethane	6.61	97	27296	0.220	ppbv # 36
34) 2-Butanone	5.34	43	37166	0.330	ppbv 99
35) Carbon Tetrachloride	7.13	117	51491	0.388	ppbv 98
36) Benzene	7.00	78	48414	0.308	ppbv 99
37) 1,2-Dichloroethane	6.41	62	37964	0.360	ppbv 99
38) Trichloroethene	7.95	130	20998	0.355	ppbv 86
39) 1,2-Dichloropropane	7.73	63	20422	0.332	ppbv 93
41) Tetrahydrofuran	6.17	42	13851	0.224	ppbv 93
42) Bromodichloromethane	7.91	83	48439	0.338	ppbv # 83
43) Methyl Methacrylate	8.14	69	15396	0.241	ppbv 90
44) 2,2,4-Trimethylpentane	7.99	57	80533	0.293	ppbv 91

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT2-2019

Quant Time: Apr 18 05:39:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.40	75	3876	0.049	ppbv	96
46) cis-1,3-Dichloropropene	8.83	75	22779	0.249	ppbv	96
47) 1,1,2-Trichloroethane	9.61	97	23665	0.338	ppbv #	78
48) Dibromochloromethane	10.45	129	36894	0.313	ppbv	98
49) Bromoform	13.20	173	17901	0.159	ppbv #	48
50) 4-Methyl-2-Pentanone	8.89	43	45040	0.273	ppbv	93
51) 2-Hexanone	10.28	43	12668	0.103	ppbv #	29
52) Tetrachloroethene	11.37	164	3942	0.066	ppbv #	62
53) Toluene	9.94	91	26885	0.147	ppbv #	51
54) 1,2-Dibromoethane	10.75	107	35437	0.324	ppbv #	80
56) 1,1,1,2-Tetrachloroethane	12.27	131	23714	0.273	ppbv #	50
57) Chlorobenzene	12.29	112	55007	0.374	ppbv #	83
58) Ethyl Benzene	12.86	91	62669	0.248	ppbv	98
59) m/p-Xylene	13.15	91	43729	0.193	ppbv #	100
60) o-Xylene	13.85	91	60401	0.276	ppbv	99
61) Styrene	13.69	104	18342	0.122	ppbv #	27
62) Isopropylbenzene	14.82	105	91464	0.296	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	59494	0.370	ppbv	98
64) n-propylbenzene	15.72	120	11823	0.151	ppbv #	1
65) tert-Butylbenzene	16.90	119	41018	0.150	ppbv #	18
66) Benzyl Chloride	17.15	91	19661	0.155	ppbv #	70
67) sec-Butylbenzene	17.46	105	116725	0.301	ppbv	100
69) p-Isopropyltoluene	17.81	119	78176	0.248	ppbv	97
70) n-Butylbenzene	18.71	91	43580	0.130	ppbv #	47
71) 2-Chlorotoluene	15.61	91	61633	0.262	ppbv	97
72) 4-Ethyltoluene	16.00	105	59165	0.241	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.15	105	58989	0.251	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.92	105	71170	0.282	ppbv	90
75) 1,3-Dichlorobenzene	17.16	146	26512	0.170	ppbv #	1
76) 1,4-Dichlorobenzene	17.31	146	47841	0.315	ppbv	94
77) 1,2-Dichlorobenzene	17.98	146	23657	0.160	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.54	225	41401	0.423	ppbv	98
81) 1,2,4-Trichlorobenzene	22.13	180	17636	0.147	ppbv #	81

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

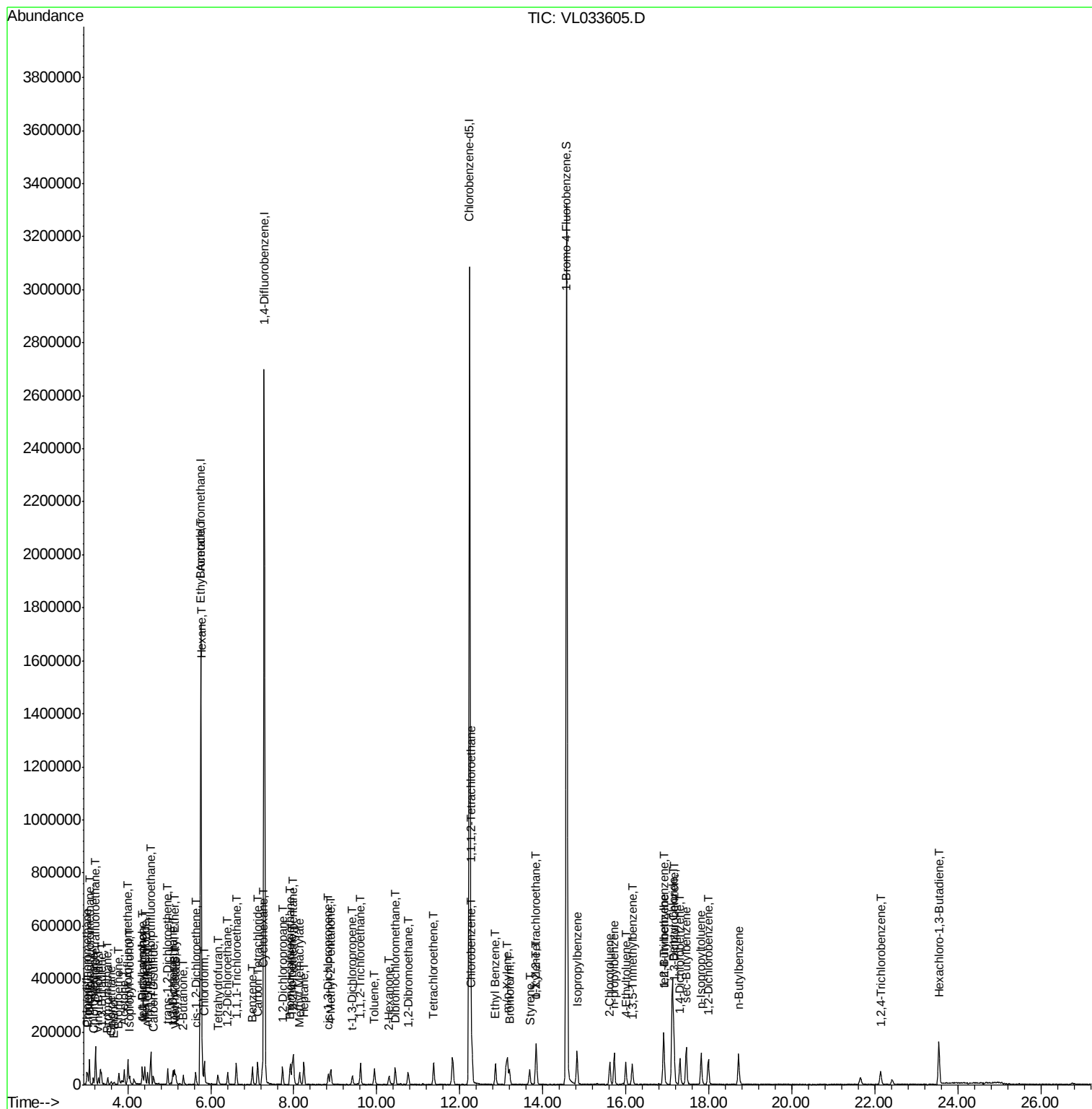
Data File : VL033605.D

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MDL-MDL-AIR-03-QT2-2019

Quant Time: Apr 18 05:39:47 2019
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

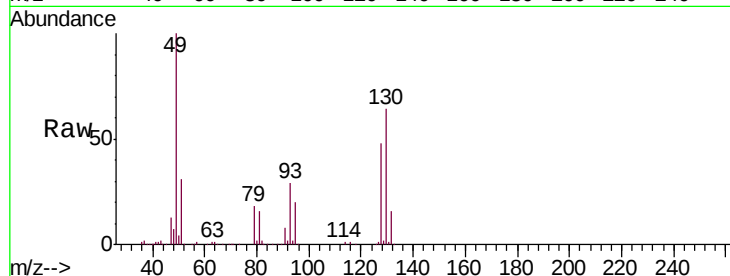
Tgt Ion: 49 Resp: 766534

Ion Ratio Lower Upper

49 100

128 49.3 24.0 72.0

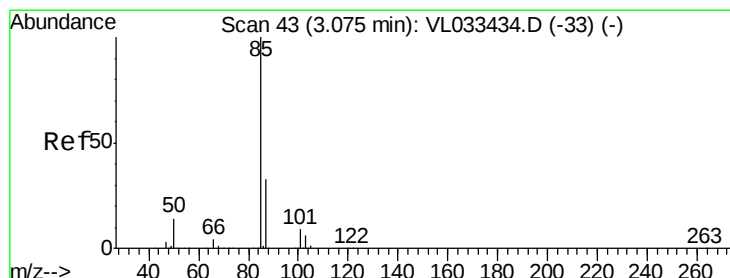
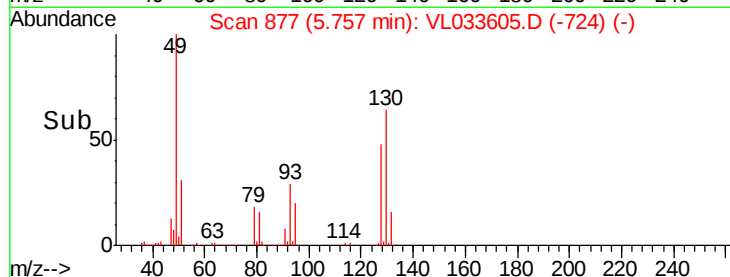
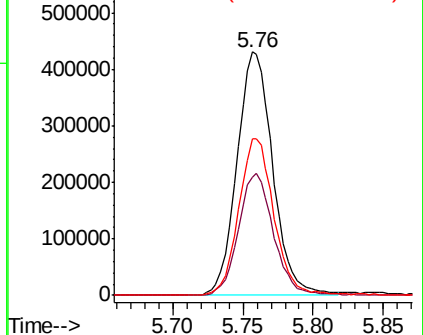
130 64.0 31.2 93.6



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: 0.533 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033605.D

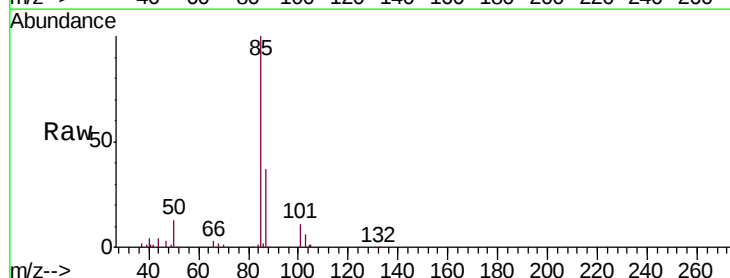
Acq: 17 Apr 2019 16:53

Tgt Ion: 85 Resp: 59543

Ion Ratio Lower Upper

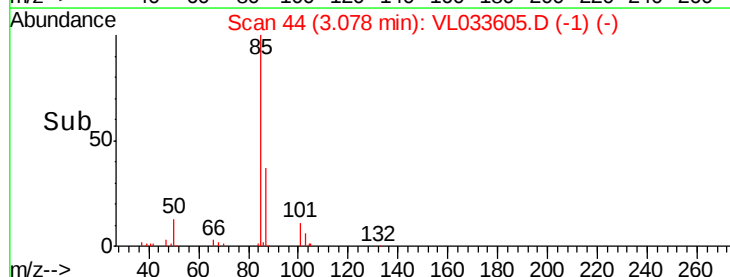
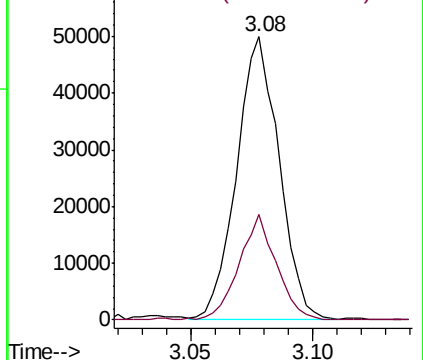
85 100

87 37.3 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.427 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

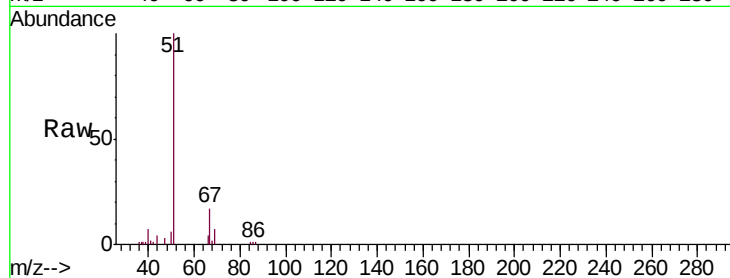
MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 51 Resp: 37712

Ion Ratio Lower Upper

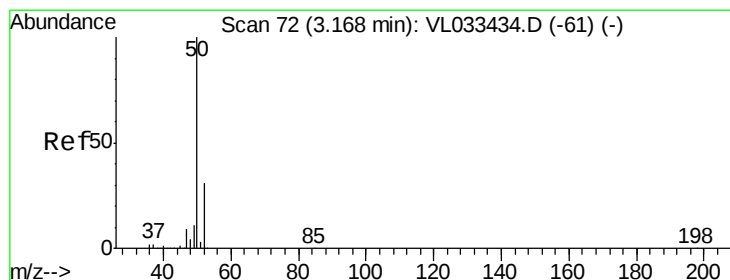
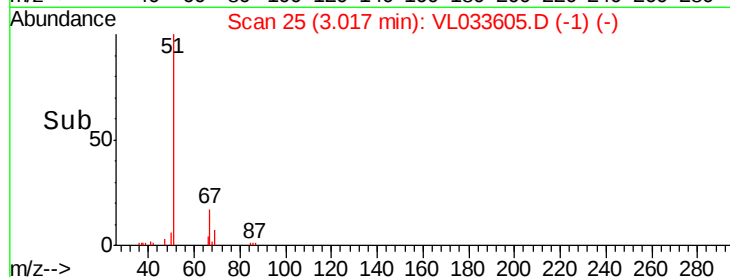
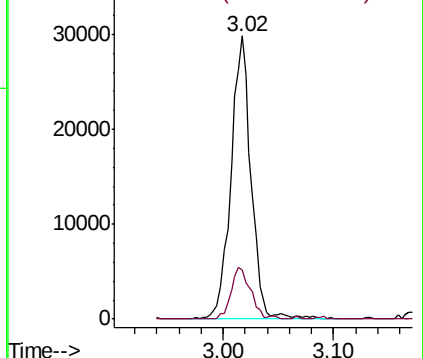
51 100

67 18.4 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.454 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL033605.D

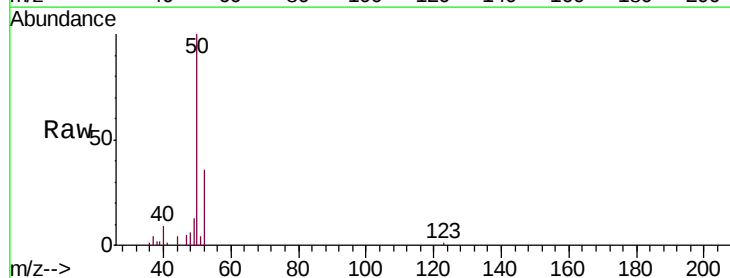
Acq: 17 Apr 2019 16:53

Tgt Ion: 50 Resp: 21187

Ion Ratio Lower Upper

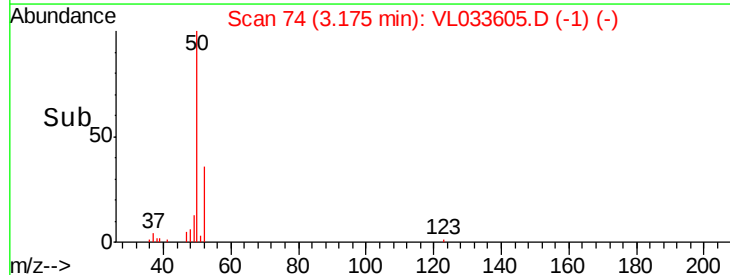
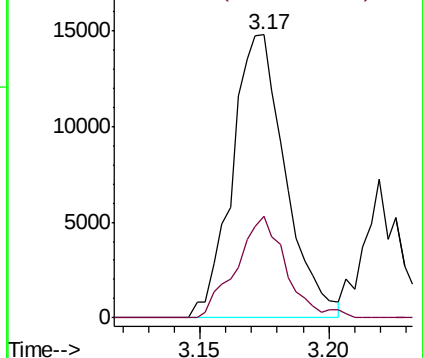
50 100

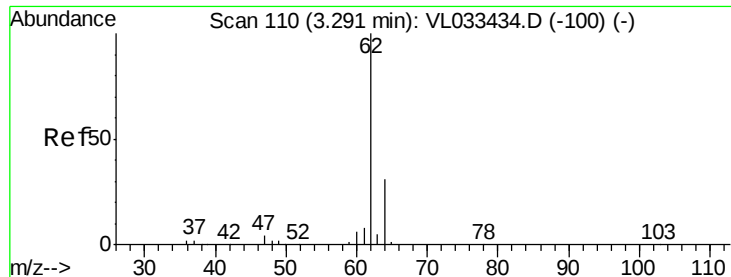
52 36.1 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.414 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

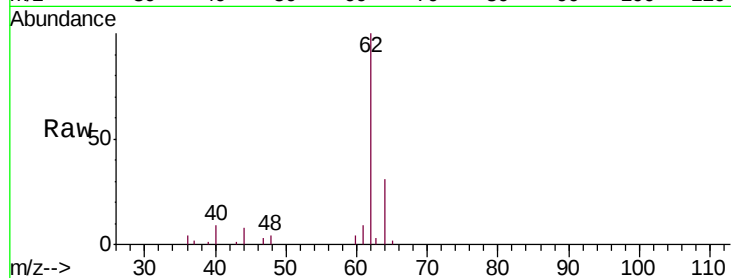
MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 62 Resp: 19009

Ion Ratio Lower Upper

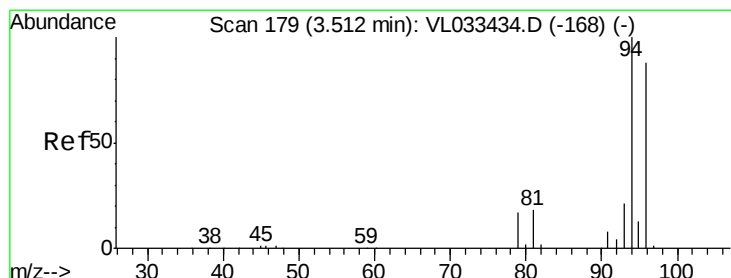
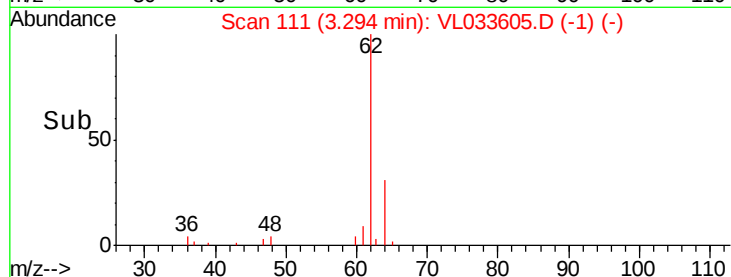
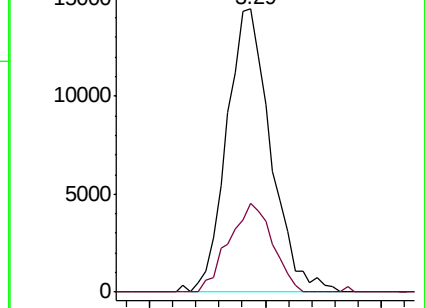
62 100

64 30.4 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.434 ppbv

RT: 3.52 min Scan# 182

Delta R.T. 0.01 min

Lab File: VL033605.D

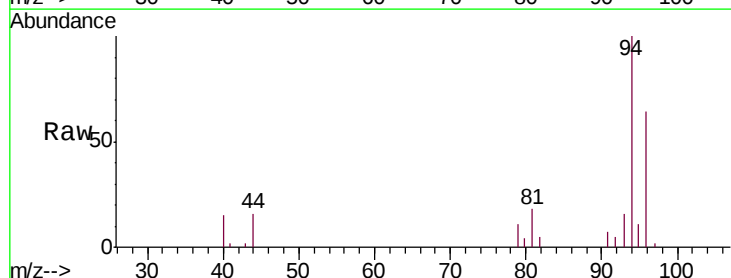
Acq: 17 Apr 2019 16:53

Tgt Ion: 94 Resp: 12796

Ion Ratio Lower Upper

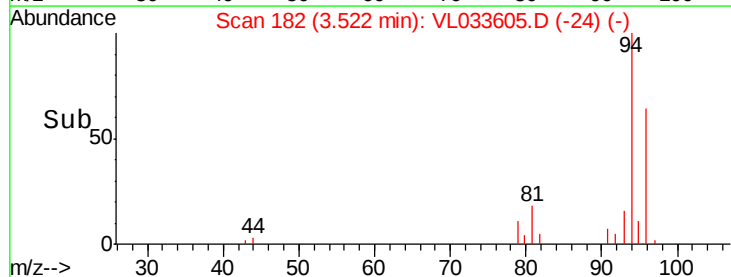
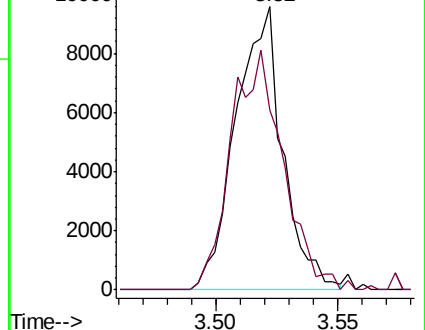
94 100

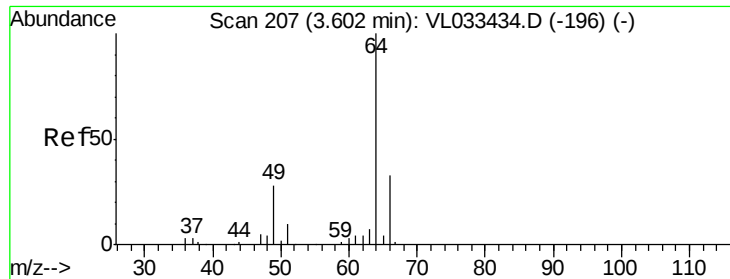
96 63.6 70.2 105.2#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.414 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

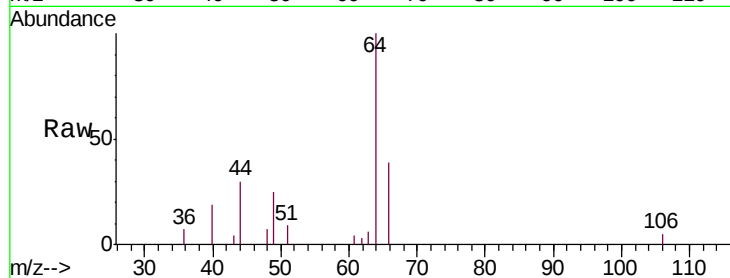
MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 64 Resp: 7073

Ion Ratio Lower Upper

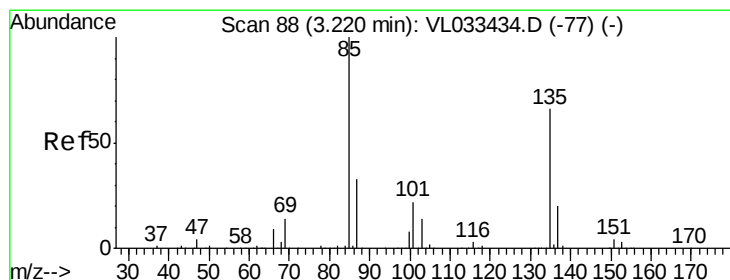
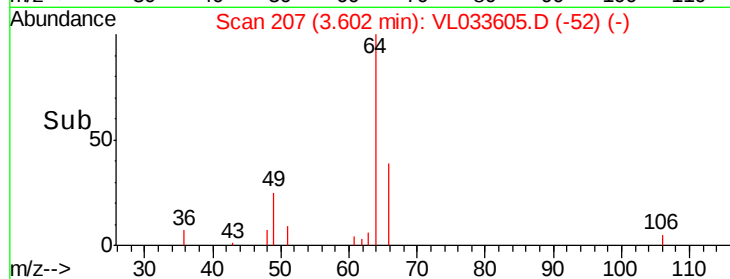
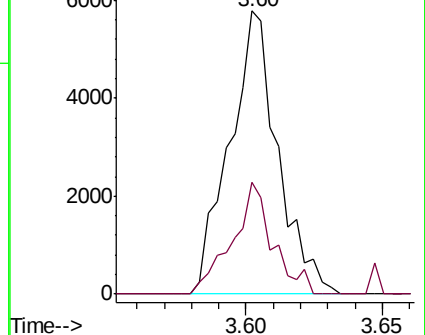
64 100

66 39.4 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.456 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033605.D

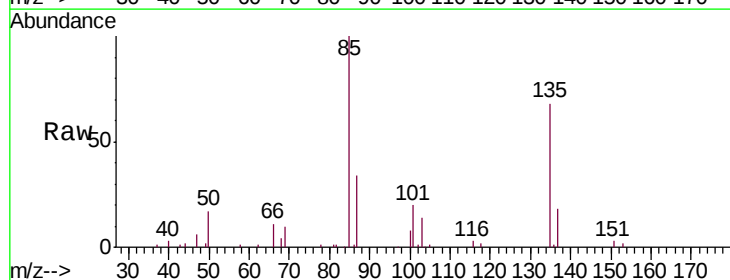
Acq: 17 Apr 2019 16:53

Tgt Ion: 85 Resp: 54279

Ion Ratio Lower Upper

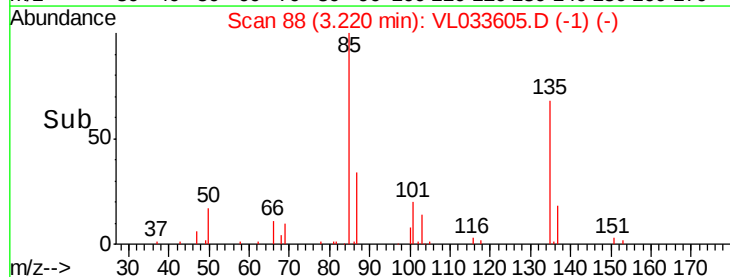
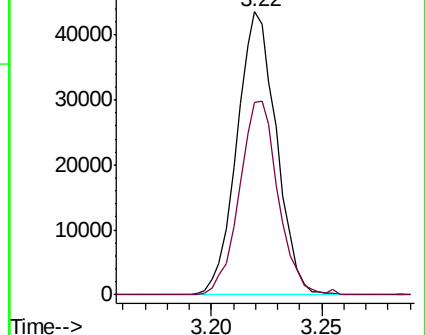
85 100

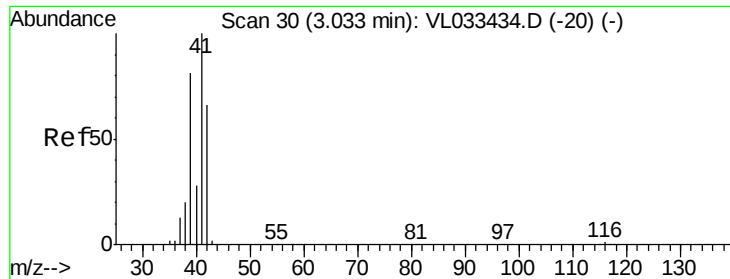
135 67.5 54.0 81.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.213 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

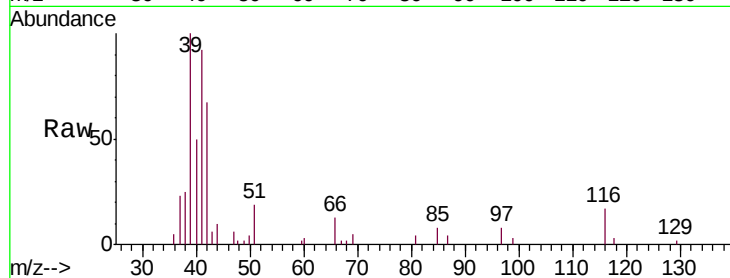
MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 41 Resp: 7883

Ion Ratio Lower Upper

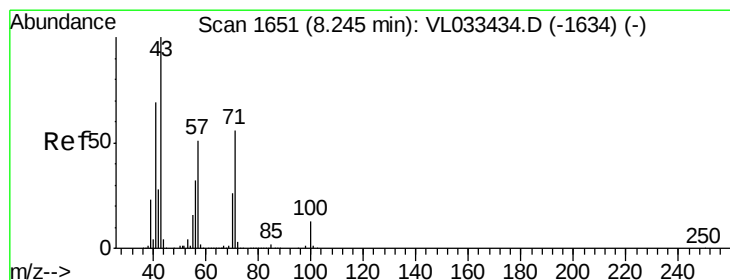
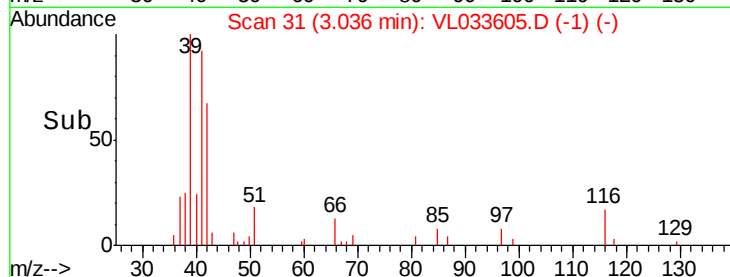
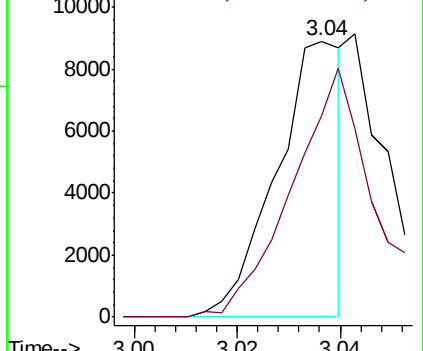
41 100

42 0.0 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.146 ppbv

RT: 8.24 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL033605.D

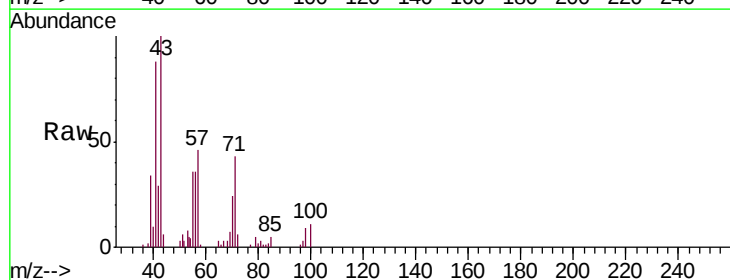
Acq: 17 Apr 2019 16:53

Tgt Ion: 43 Resp: 14509

Ion Ratio Lower Upper

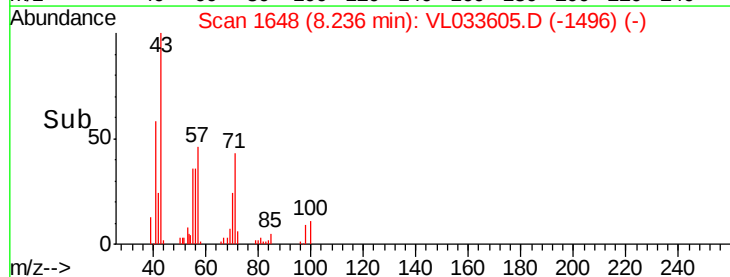
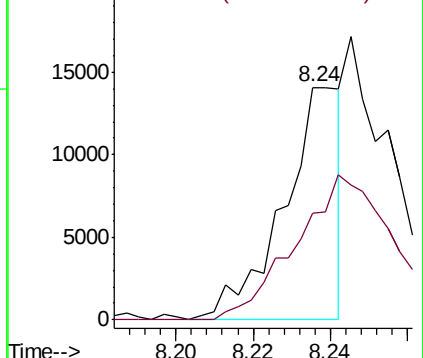
43 100

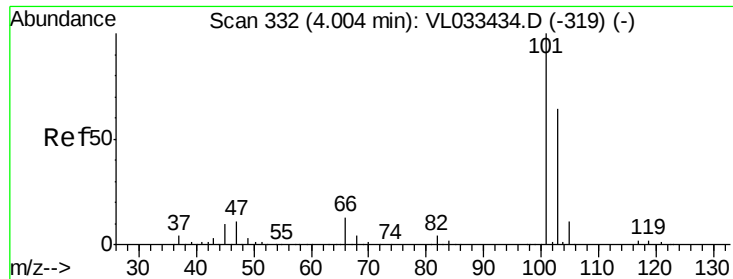
57 0.0 40.6 60.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

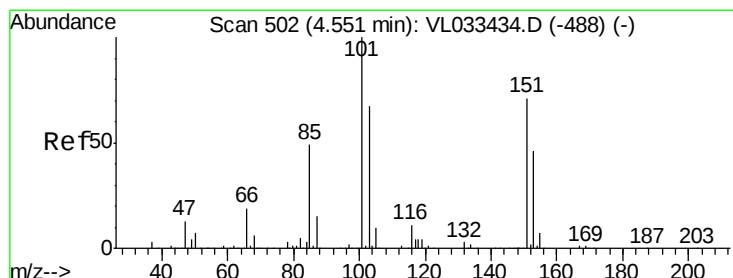
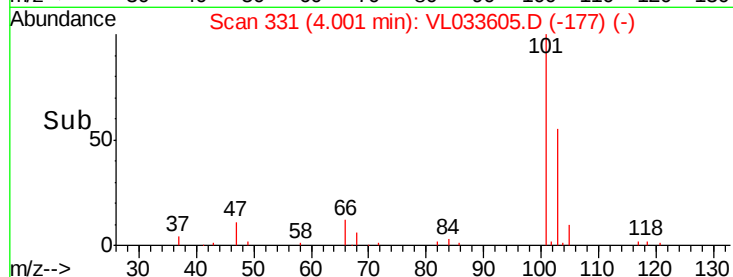
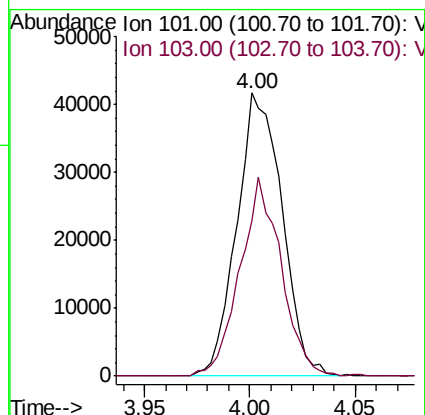
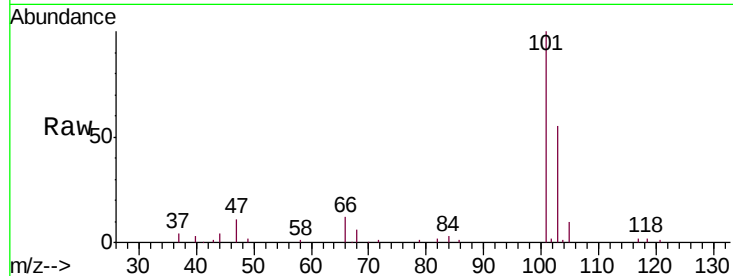




#11
 Trichlorofluoromethane
 Concen: 0.452 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

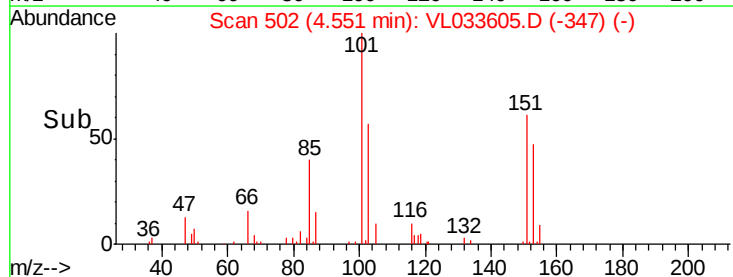
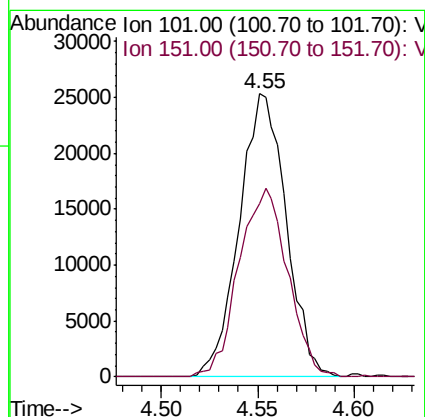
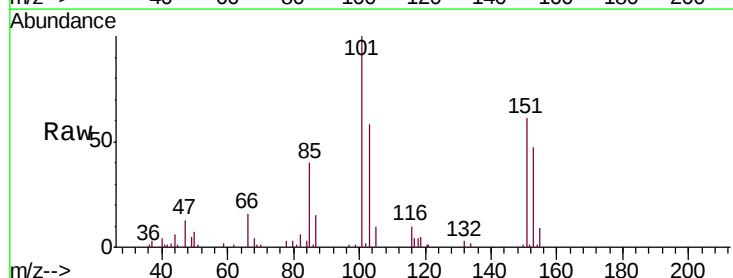
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

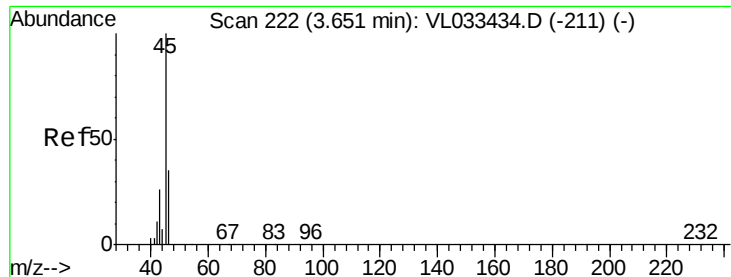
Tgt Ion:101 Resp: 62230
 Ion Ratio Lower Upper
 101 100
 103 55.0 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.460 ppbv
 RT: 4.55 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion:101 Resp: 42588
 Ion Ratio Lower Upper
 101 100
 151 69.5 57.7 86.5

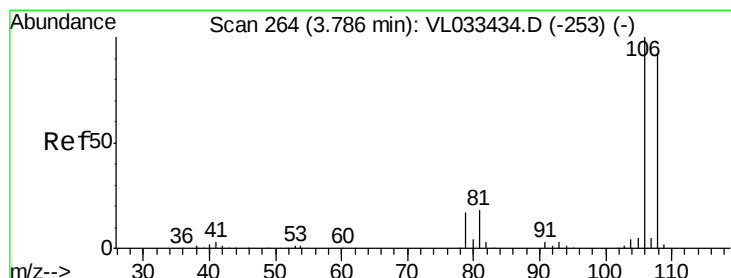
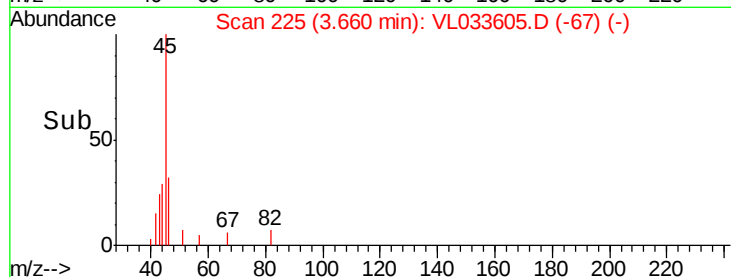
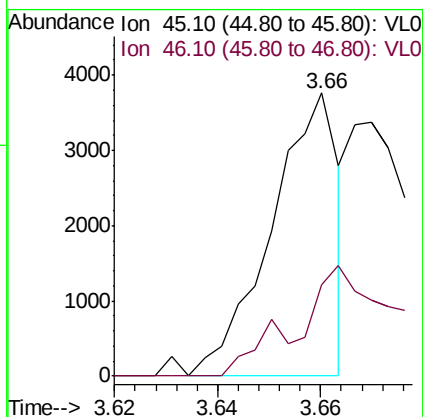
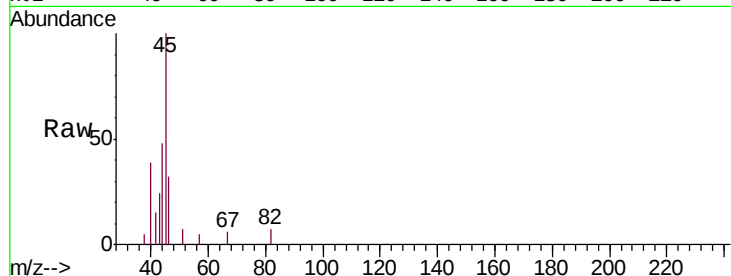




#13
Ethanol
Concen: 0.352 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

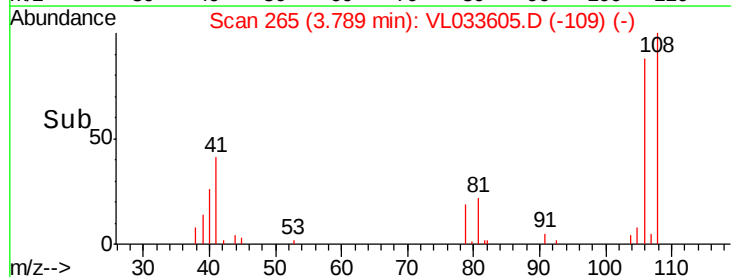
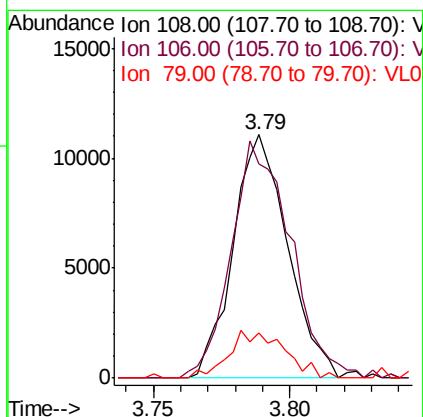
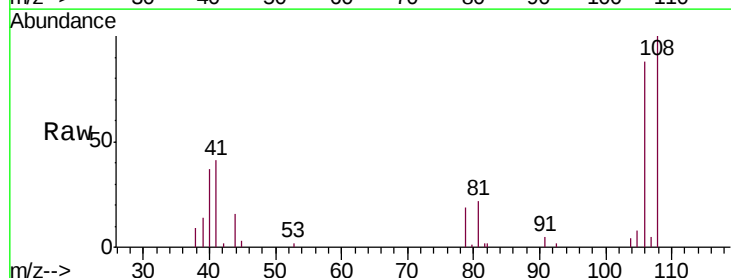
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT2-2019

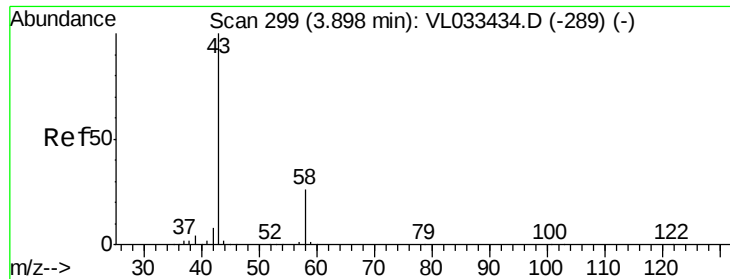
Tgt Ion: 45 Resp: 3372
Ion Ratio Lower Upper
45 100
46 70.6 25.4 101.8



#14
Bromoethene
Concen: 0.416 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

Tgt Ion: 108 Resp: 15368
Ion Ratio Lower Upper
108 100
106 106.5 86.4 129.6
79 19.8 15.8 23.8





#15

Acetone

Concen: 0.554 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.02 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

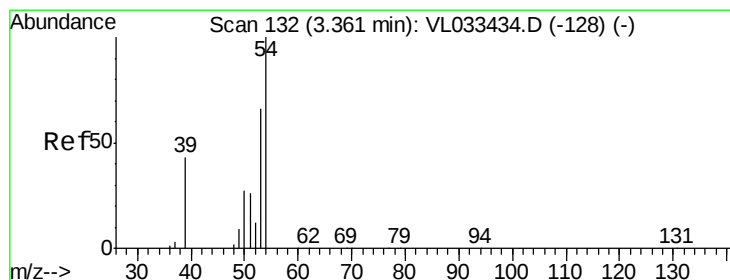
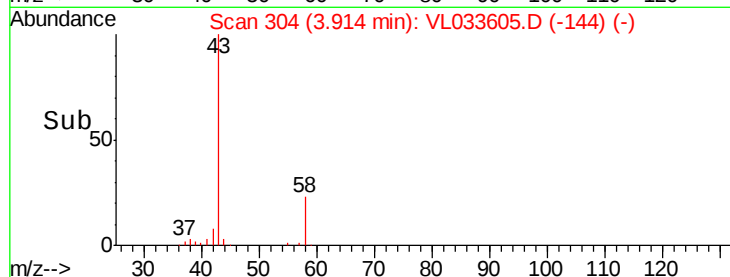
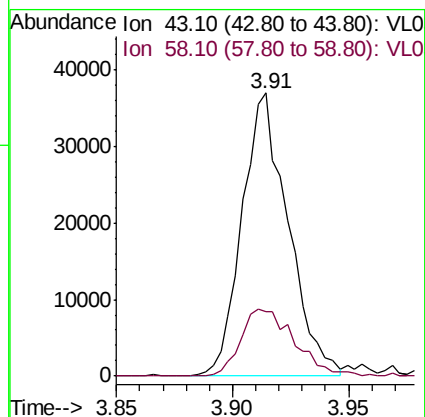
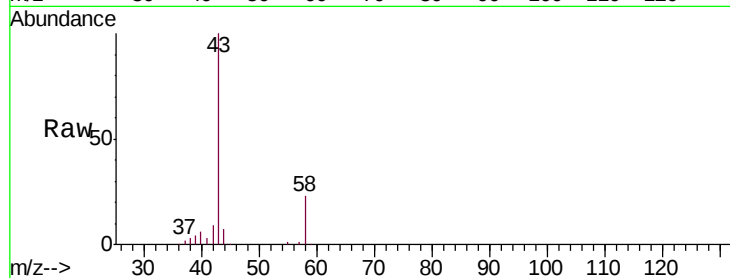
MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 43 Resp: 51073

Ion Ratio Lower Upper

43 100

58 27.7 20.5 30.7



#16

1,3-Butadiene

Concen: 0.439 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.01 min

Lab File: VL033605.D

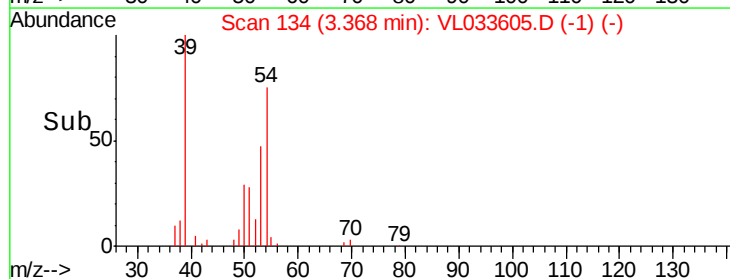
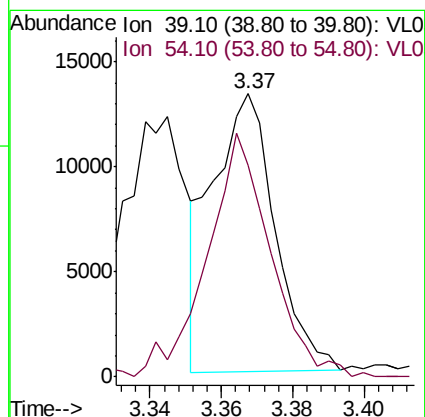
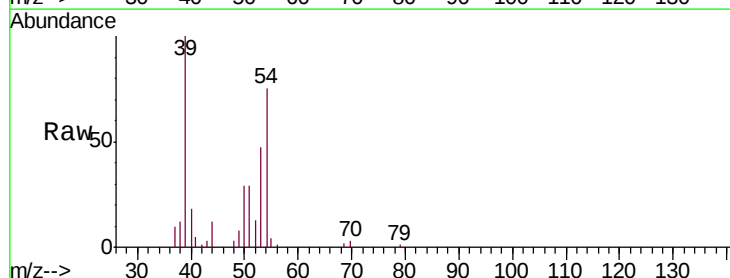
Acq: 17 Apr 2019 16:53

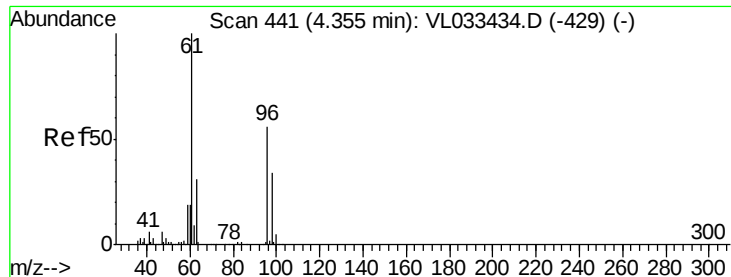
Tgt Ion: 39 Resp: 16057

Ion Ratio Lower Upper

39 100

54 89.8 69.4 104.2



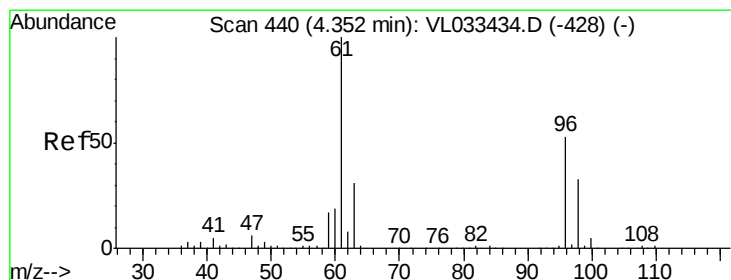
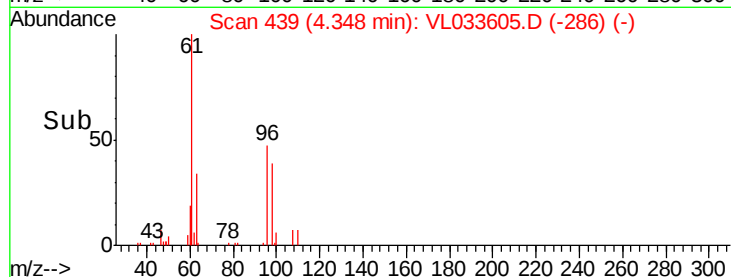
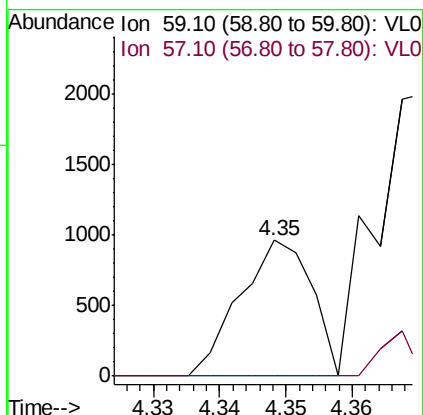
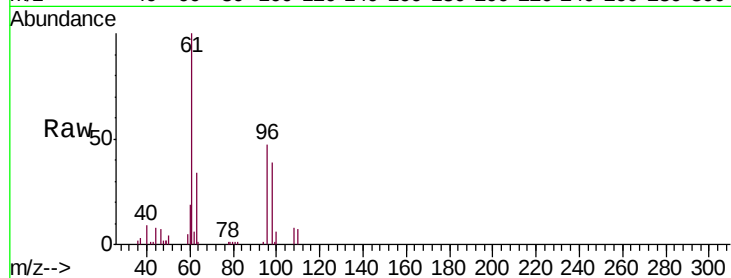


#17

tert-Butyl alcohol
Concen: 0.043 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.01 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT2-2019

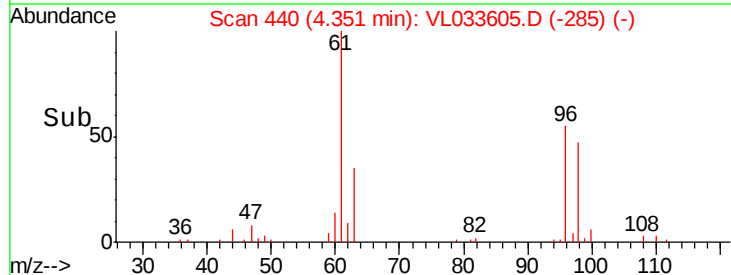
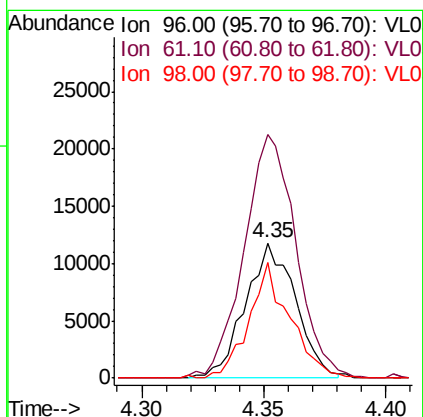
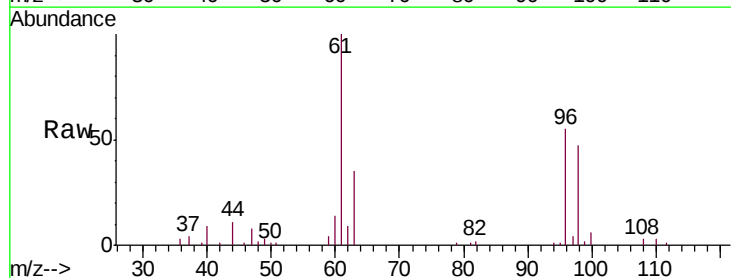
Tgt Ion: 59 Resp: 725
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

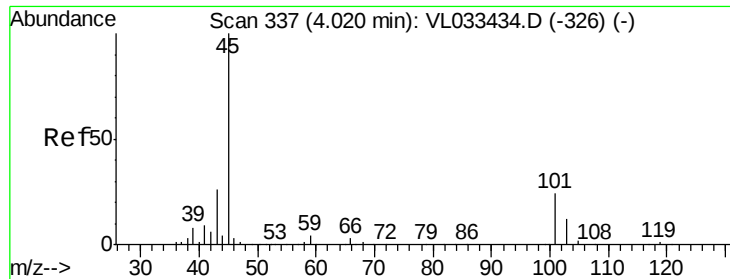


#18

1,1-Dichloroethene
Concen: 0.422 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

Tgt Ion: 96 Resp: 16783
Ion Ratio Lower Upper
96 100
61 178.7 149.8 224.6
98 83.5 48.7 73.1#





#19

Isopropyl Alcohol

Concen: 0.476 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.02 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

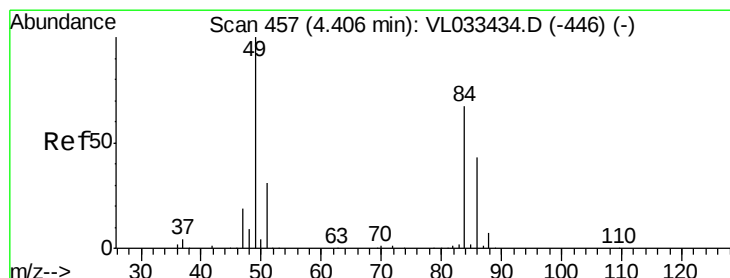
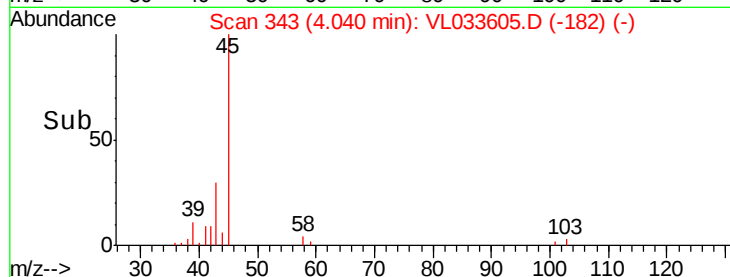
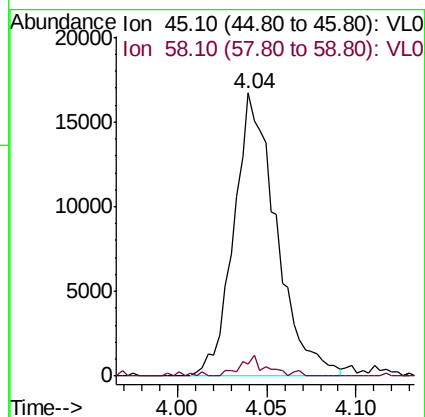
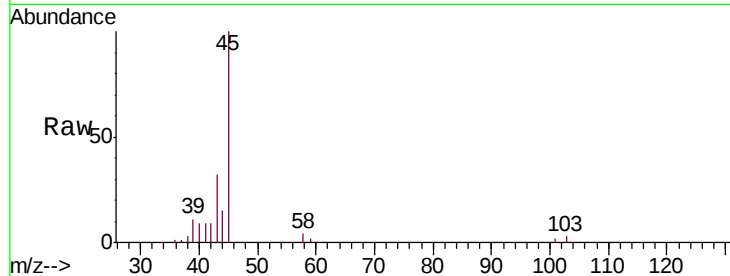
MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 45 Resp: 27769

Ion Ratio Lower Upper

45 100

58 4.8 1.4 2.2#



#20

Methylene Chloride

Concen: 0.533 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Tgt Ion: 84 Resp: 20840

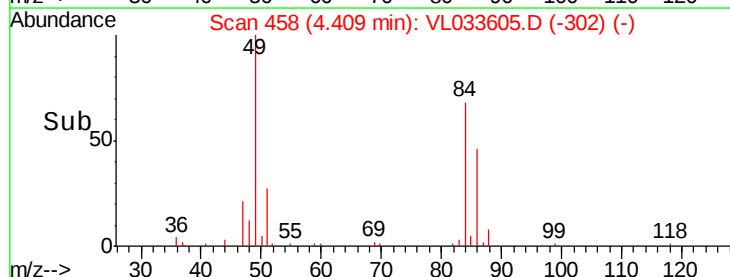
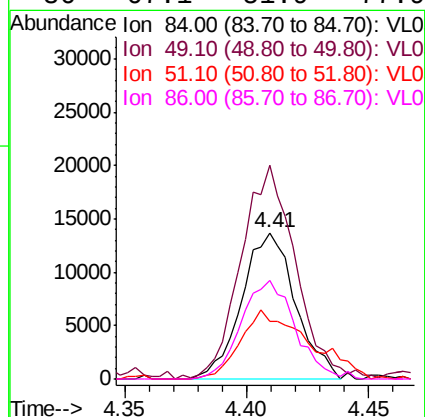
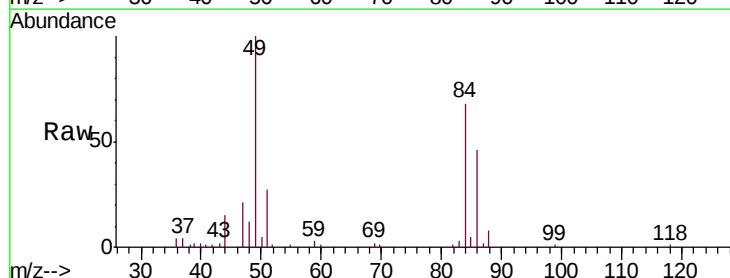
Ion Ratio Lower Upper

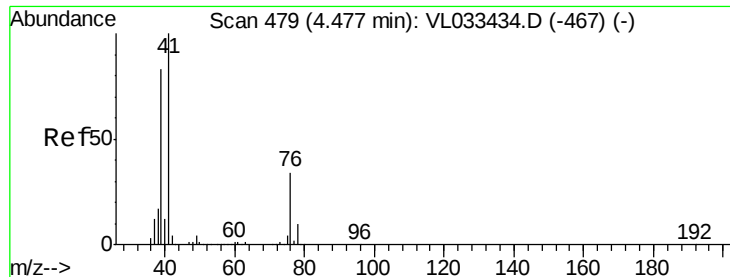
84 100

49 145.1 120.0 180.0

51 39.9 36.7 55.1

86 67.1 51.9 77.9





#21

Allyl Chloride

Concen: 0.381 ppbv

RT: 4.48 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

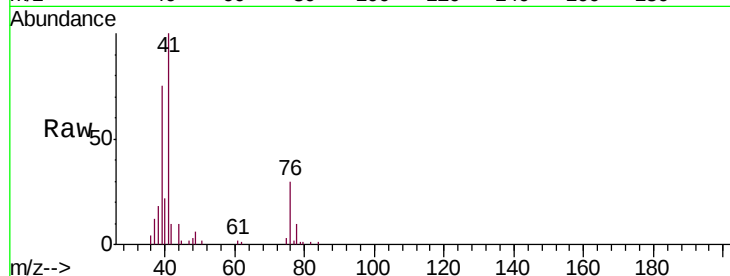
Tgt Ion: 41 Resp: 22227

Ion Ratio Lower Upper

41 100

76 31.1 25.4 38.2

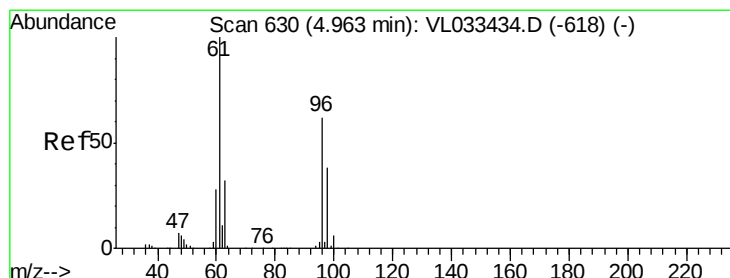
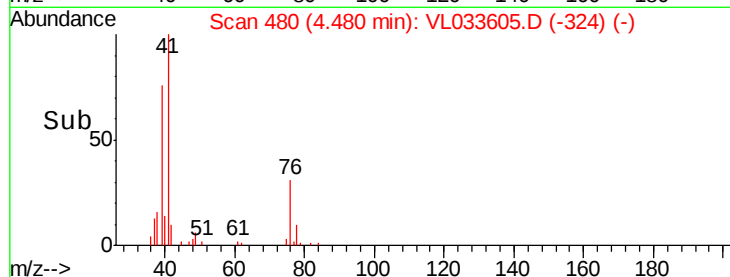
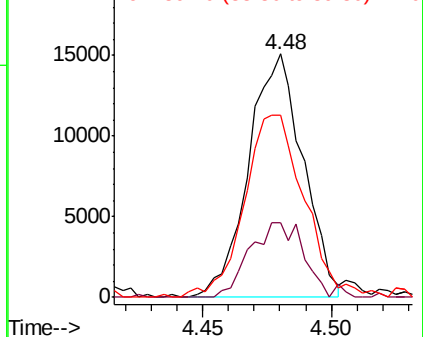
39 82.7 65.3 97.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.227 ppbv

RT: 4.96 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

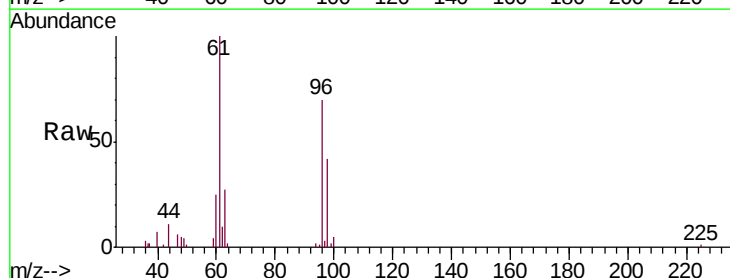
Tgt Ion: 96 Resp: 9425

Ion Ratio Lower Upper

96 100

61 143.7 128.9 193.3

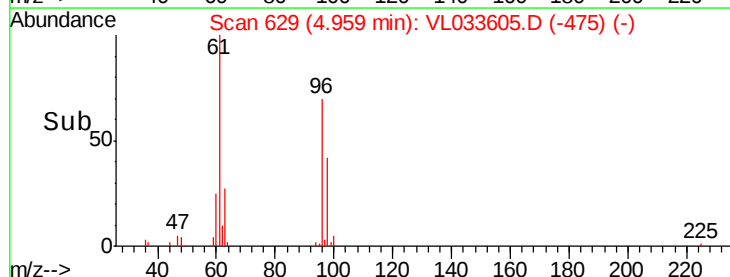
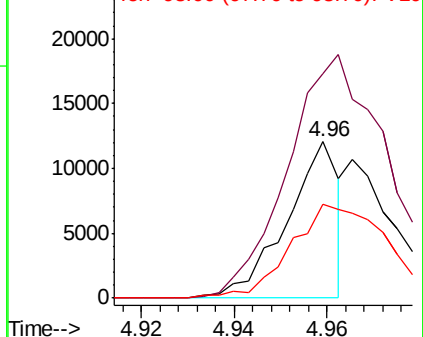
98 60.5 49.5 74.3

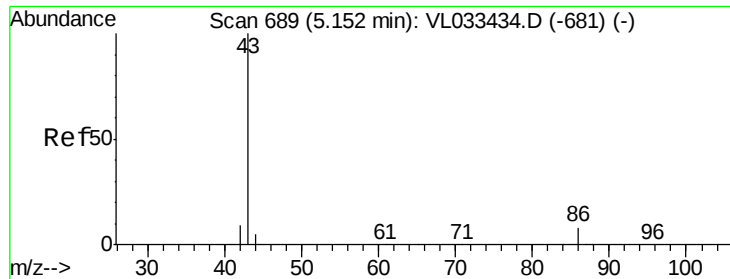


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.322 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 43 Resp: 42185

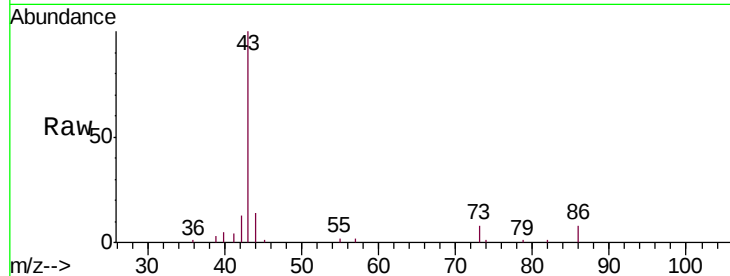
Ion Ratio Lower Upper

43 100

86 7.8 5.6 8.4

42 12.5 8.0 12.0#

44 9.6 3.9 5.9#

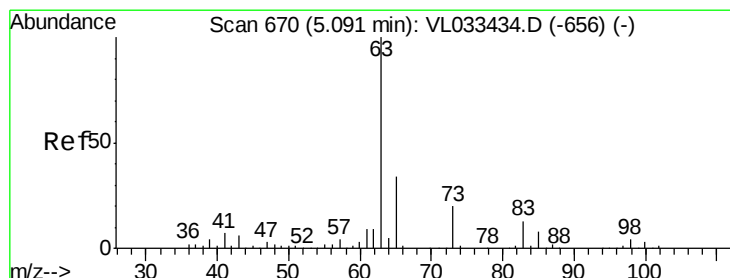
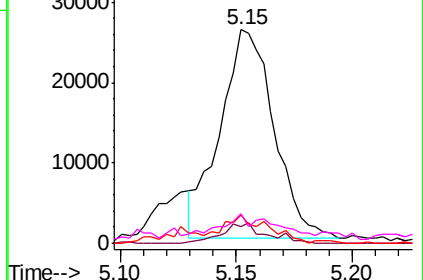
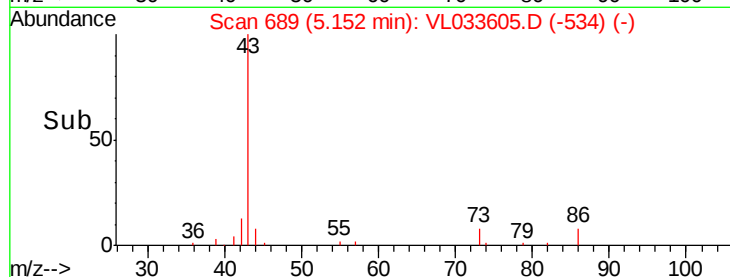


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.413 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

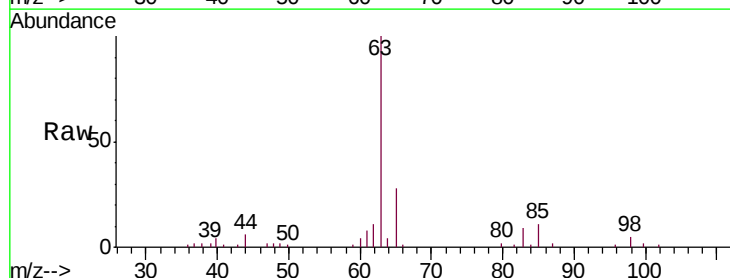
Tgt Ion: 63 Resp: 41182

Ion Ratio Lower Upper

63 100

98 4.7 2.2 6.6

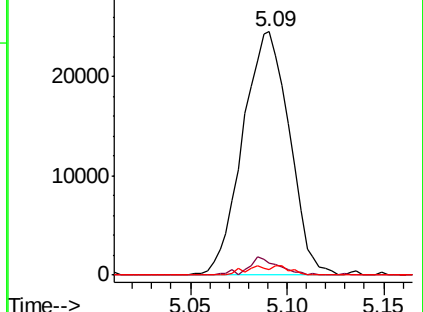
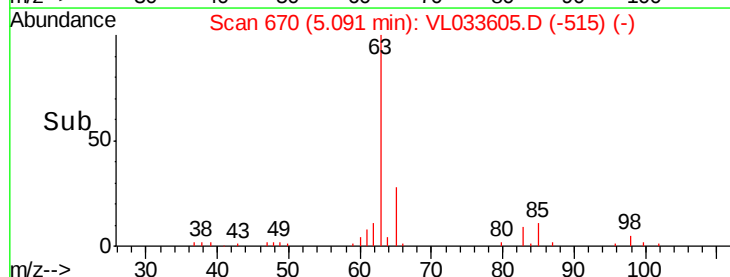
100 2.4 1.5 4.4

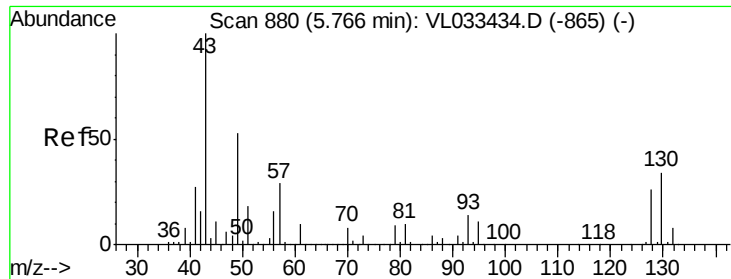


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

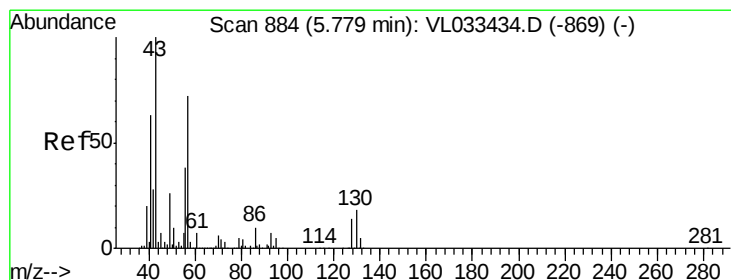
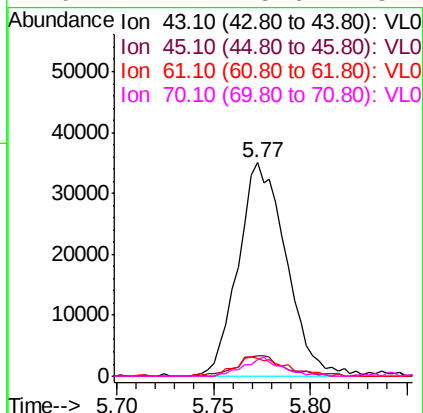
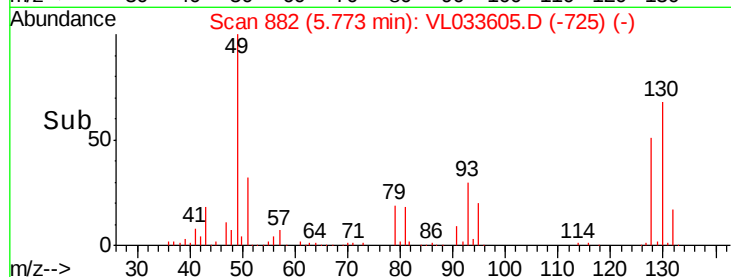
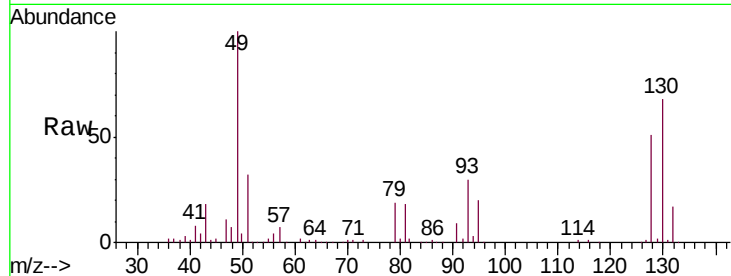




#25
Ethyl Acetate
Concen: 0.353 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

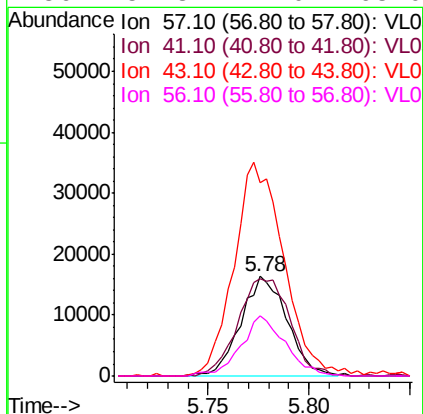
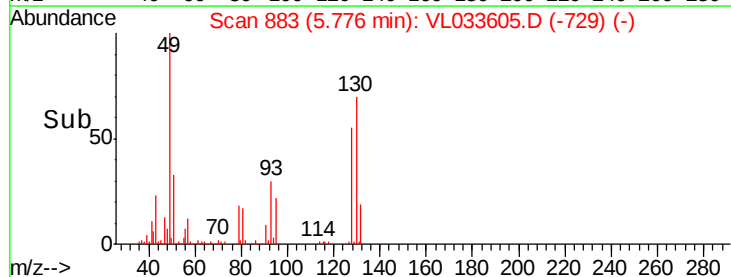
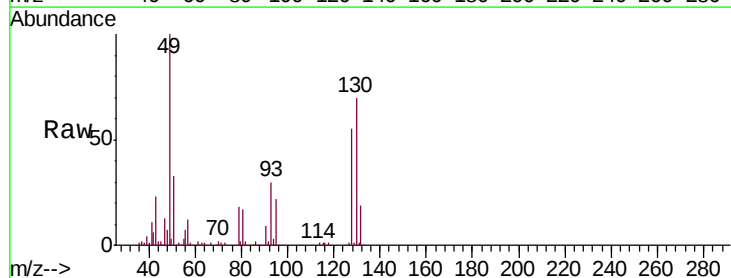
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT2-2019

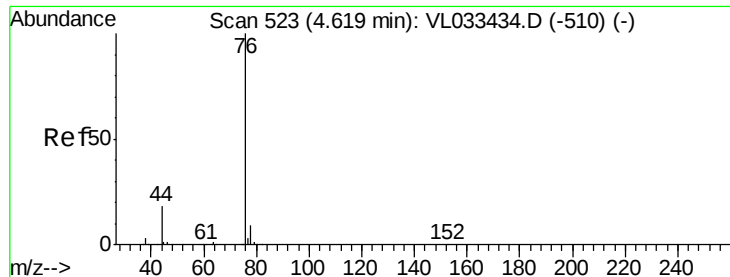
Tgt Ion:	43	Resp:	60342
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.3	7.3	10.9
70	7.1	5.6	8.4



#26
Hexane
Concen: 0.348 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

Tgt Ion:	57	Resp:	26465
Ion	Ratio	Lower	Upper
57	100		
41	109.5	70.7	106.1#
43	233.3	182.6	274.0
56	57.3	42.0	63.0





#27

Carbon Disulfide

Concen: 0.182 ppbv

RT: 4.62 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

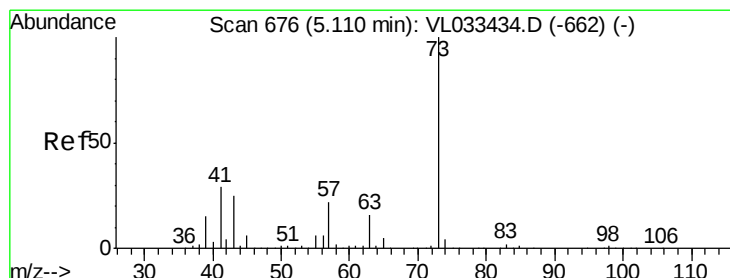
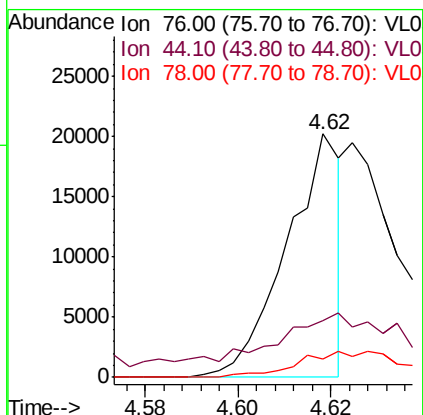
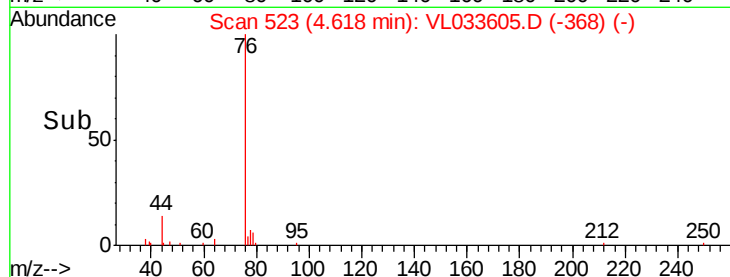
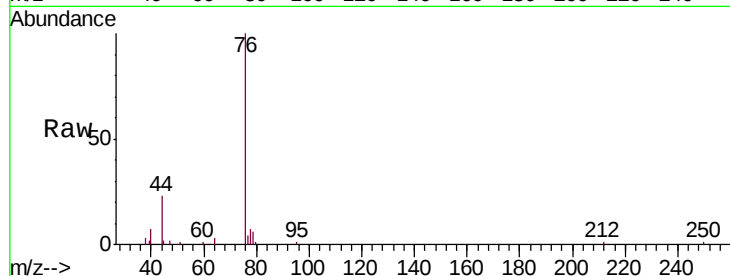
Tgt Ion: 76 Resp: 16463

Ion Ratio Lower Upper

76 100

44 0.0 14.8 22.2#

78 0.0 7.6 11.4#



#28

Methyl tert-Butyl Ether

Concen: 0.299 ppbv

RT: 5.13 min Scan# 681

Delta R.T. 0.02 min

Lab File: VL033605.D

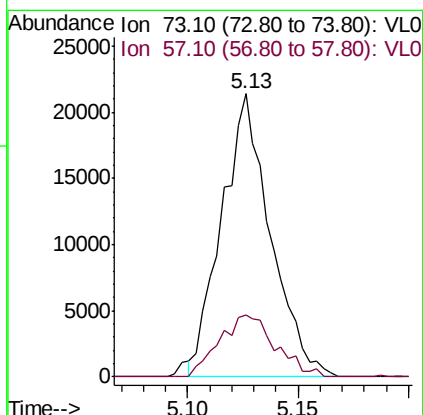
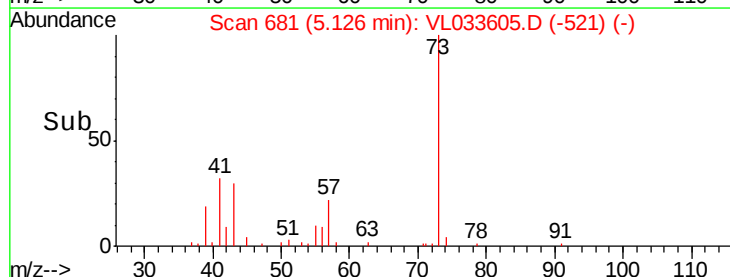
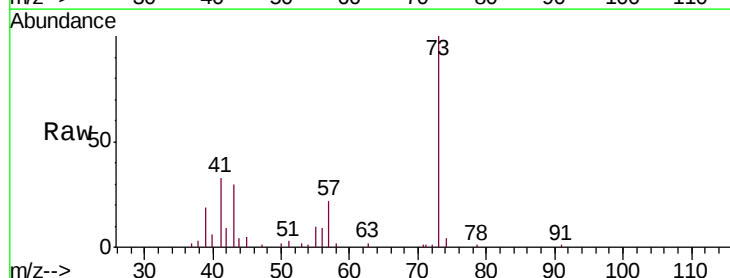
Acq: 17 Apr 2019 16:53

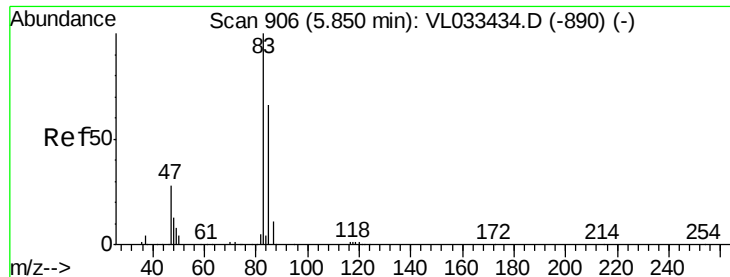
Tgt Ion: 73 Resp: 32768

Ion Ratio Lower Upper

73 100

57 25.2 17.4 26.2





#29

Chloroform

Concen: 0.395 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

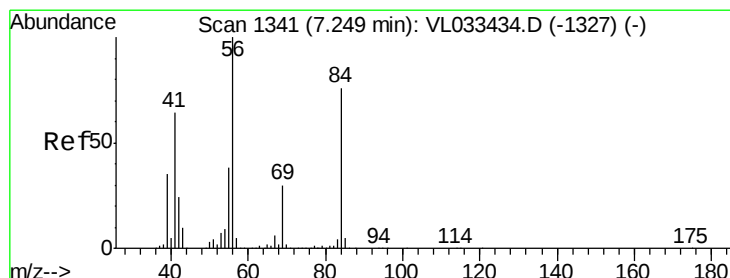
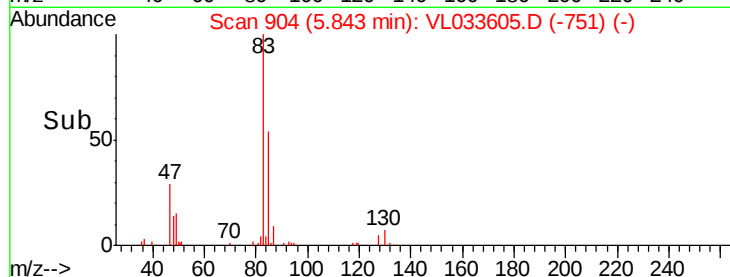
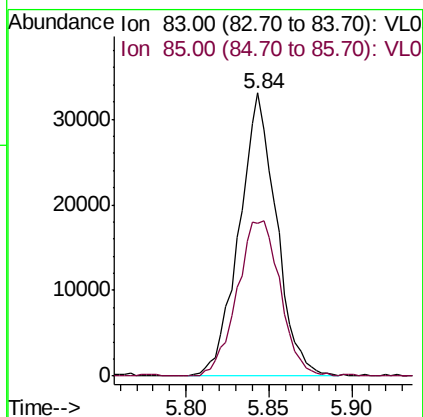
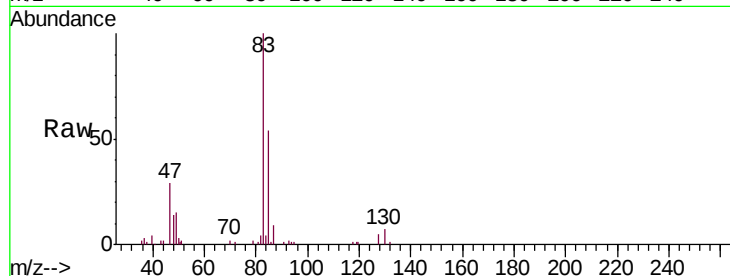
MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 83 Resp: 51546

Ion Ratio Lower Upper

83 100

85 54.2 52.6 79.0



#30

Cyclohexane

Concen: 0.284 ppbv

RT: 7.25 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

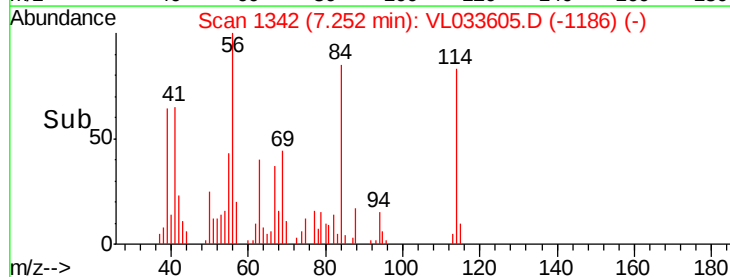
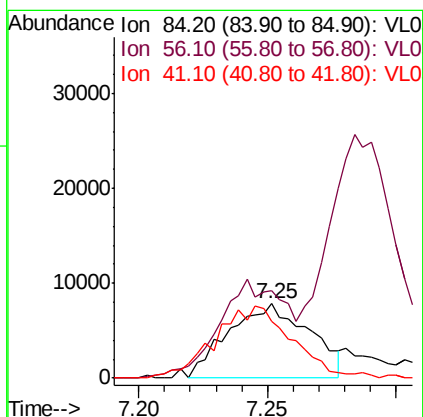
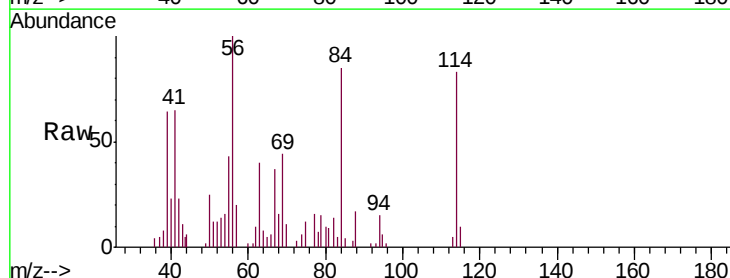
Tgt Ion: 84 Resp: 17099

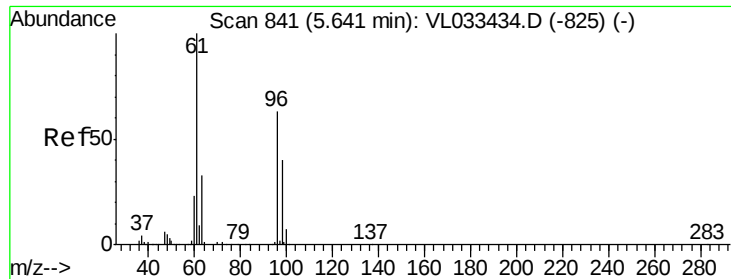
Ion Ratio Lower Upper

84 100

56 0.0 109.7 164.5#

41 94.1 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 0.307 ppbv

RT: 5.64 min Scan# 840

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

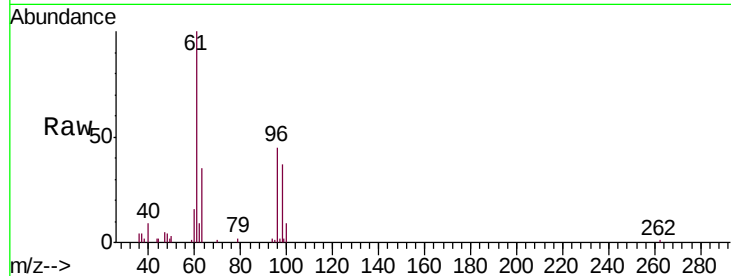
Tgt Ion: 61 Resp: 23223

Ion Ratio Lower Upper

61 100

96 40.0 50.6 76.0#

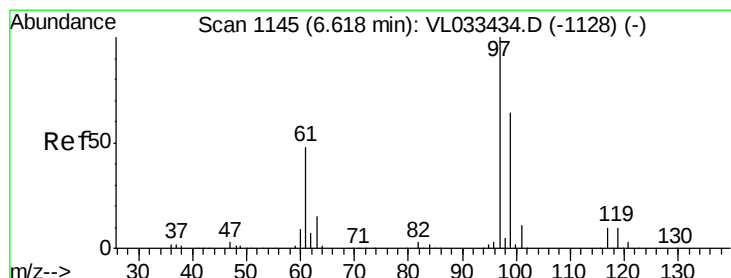
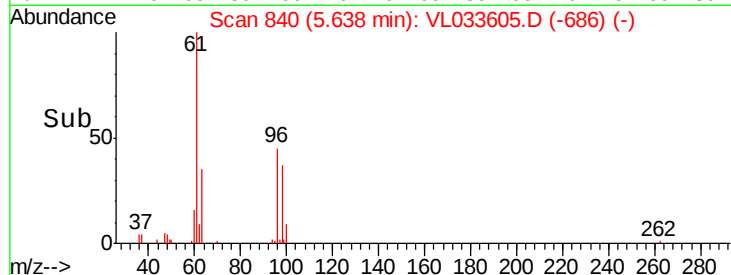
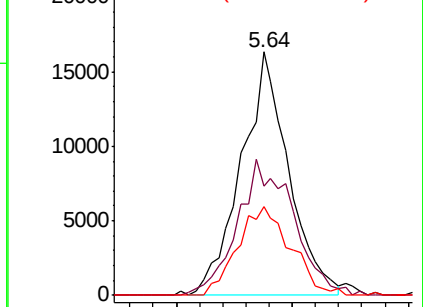
98 35.1 32.2 48.2



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: 0.220 ppbv

RT: 6.61 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

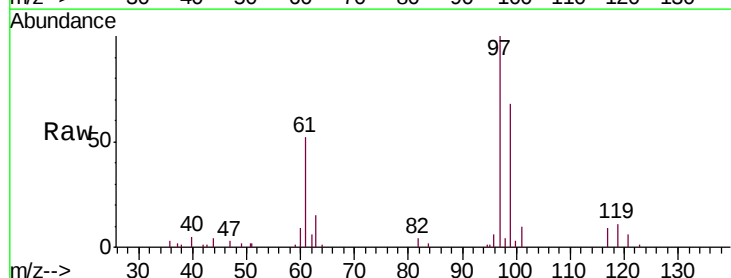
Tgt Ion: 97 Resp: 27296

Ion Ratio Lower Upper

97 100

99 114.5 51.5 77.3#

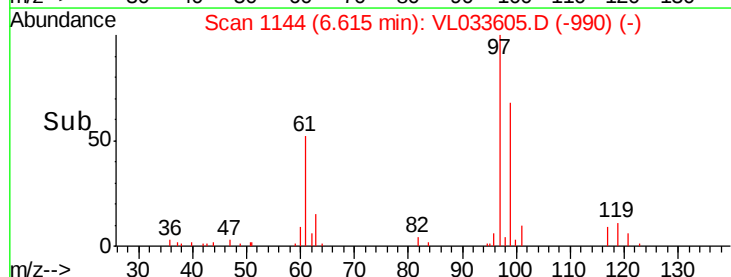
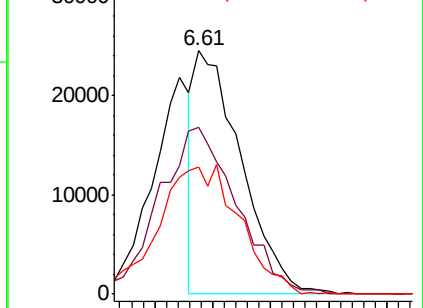
61 92.6 38.8 58.2#

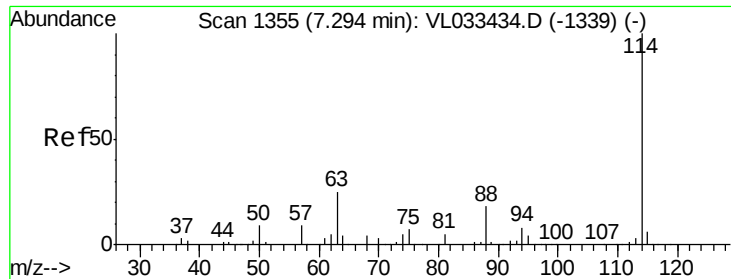


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

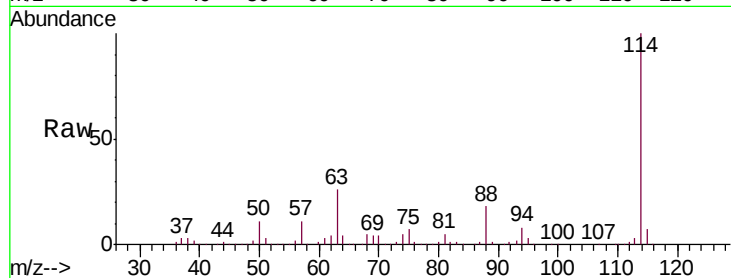




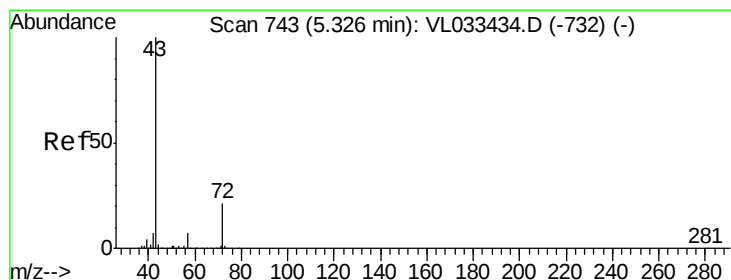
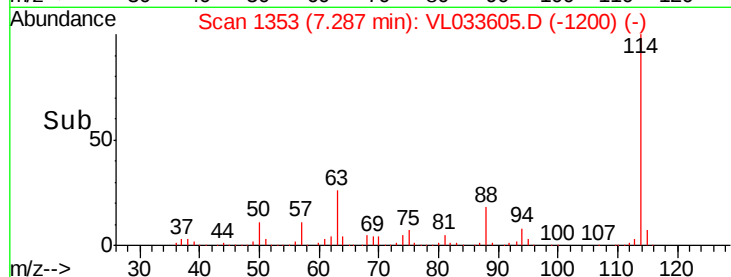
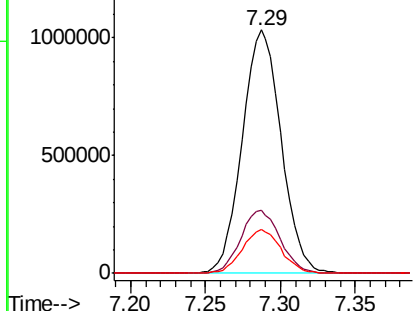
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 114 Resp: 1873447
 Ion Ratio Lower Upper
 114 100
 63 26.4 21.5 32.3
 88 18.0 14.5 21.7

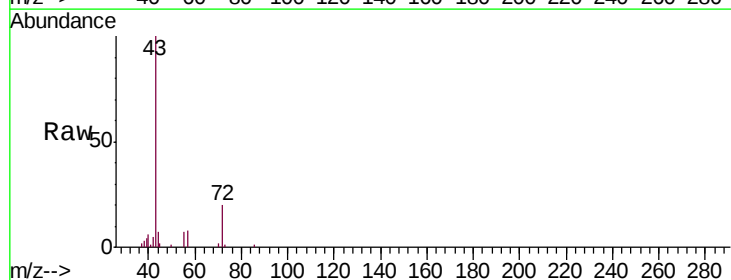


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

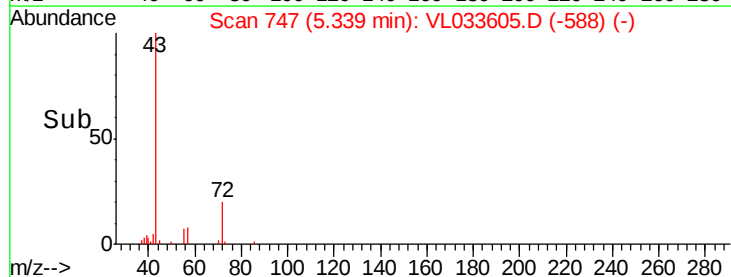
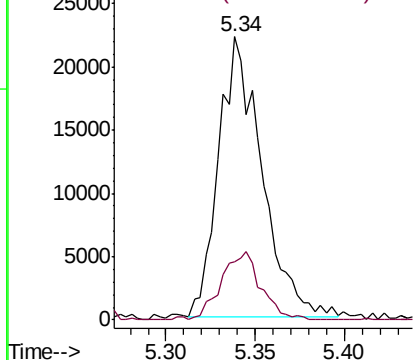


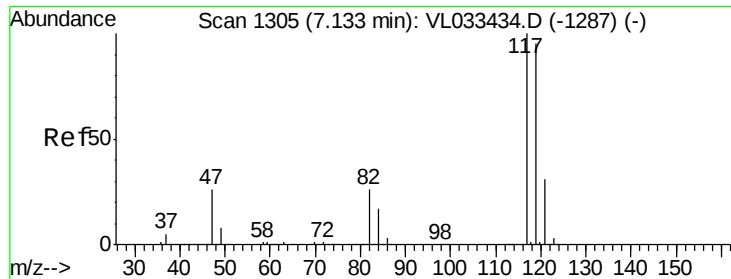
#34
 2-Butanone
 Concen: 0.330 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion: 43 Resp: 37166
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.4 26.2



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





#35

Carbon Tetrachloride

Concen: 0.388 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

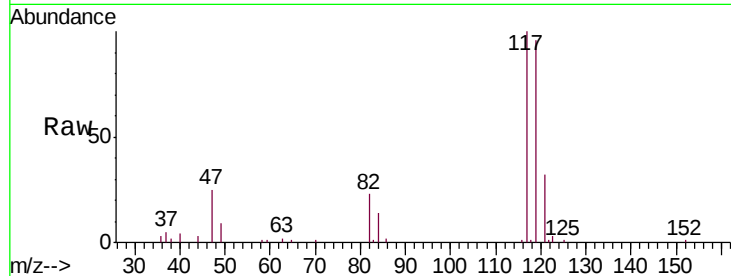
Tgt Ion: 117 Resp: 51491

Ion Ratio Lower Upper

117 100

119 96.2 75.8 113.8

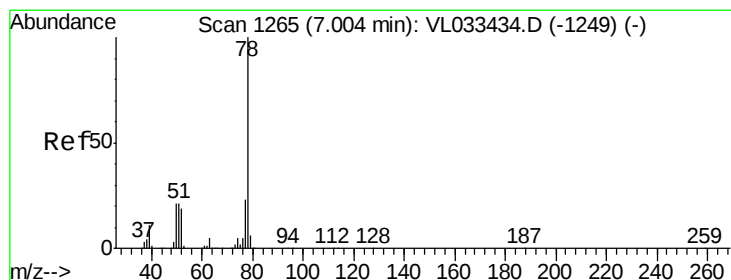
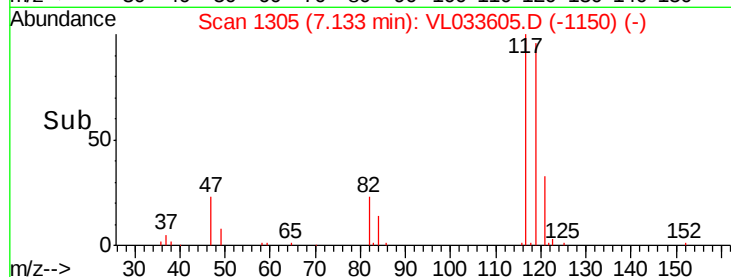
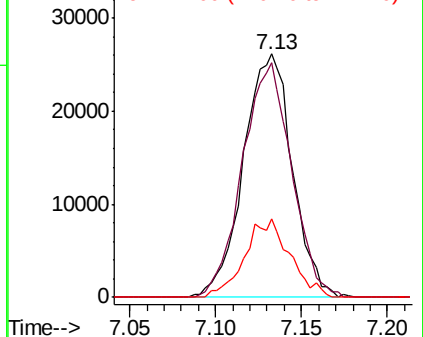
121 32.0 24.7 37.1



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: 0.308 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

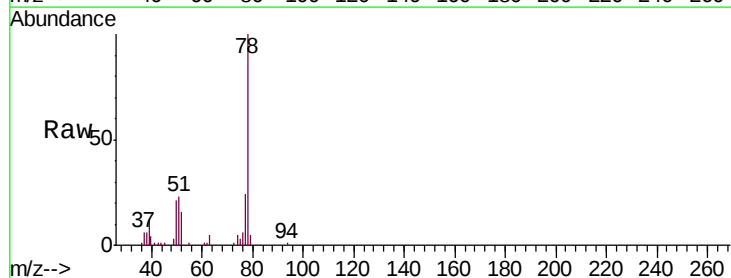
Tgt Ion: 78 Resp: 48414

Ion Ratio Lower Upper

78 100

77 23.5 18.1 27.1

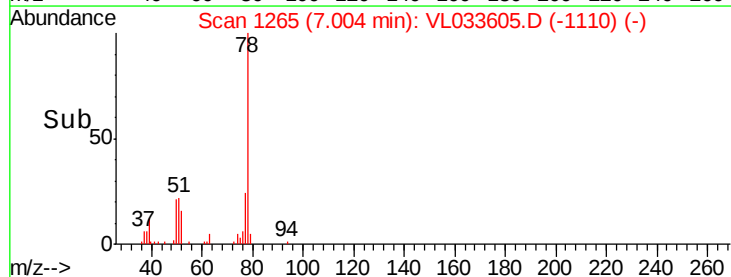
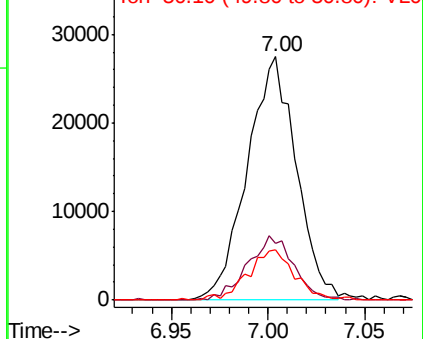
50 20.7 16.7 25.1

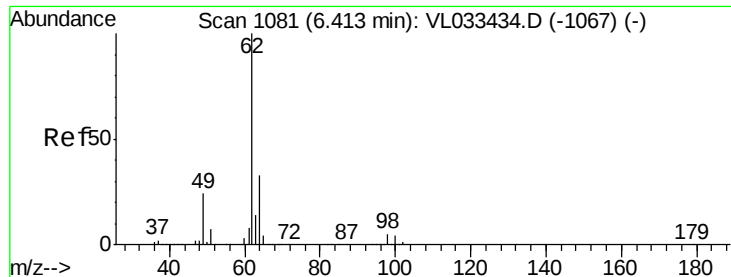


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

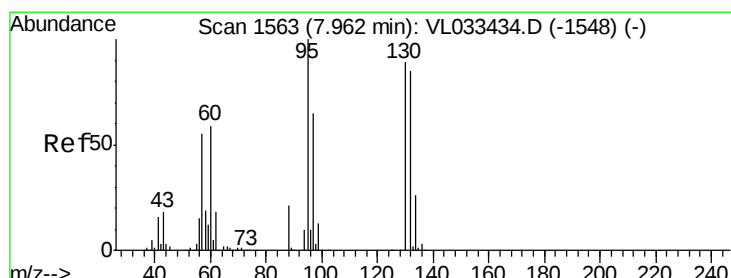
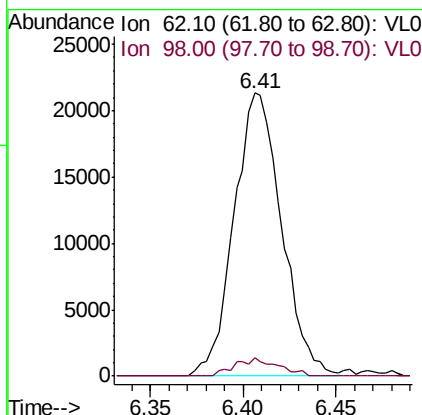
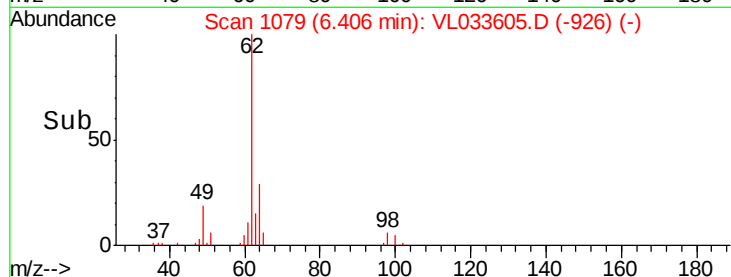
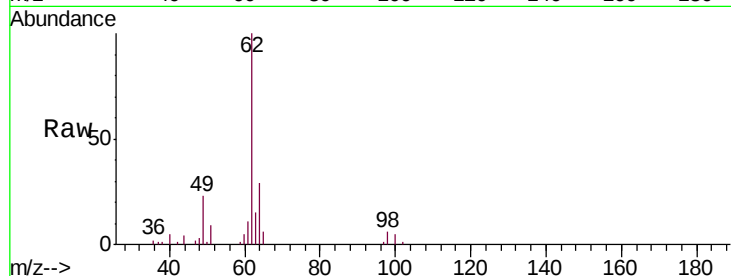




#37
 1,2-Dichloroethane
 Concen: 0.360 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

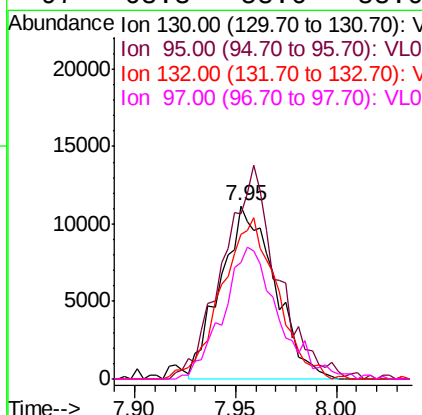
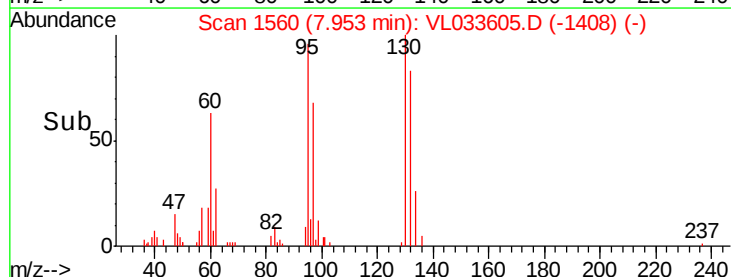
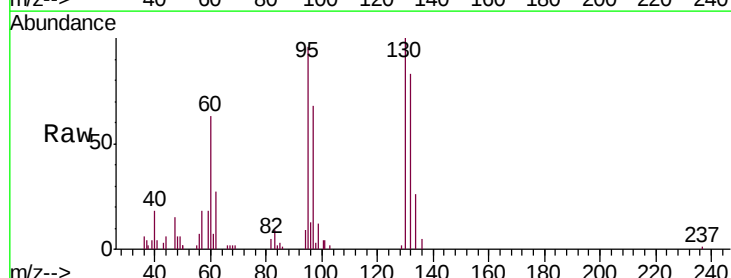
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

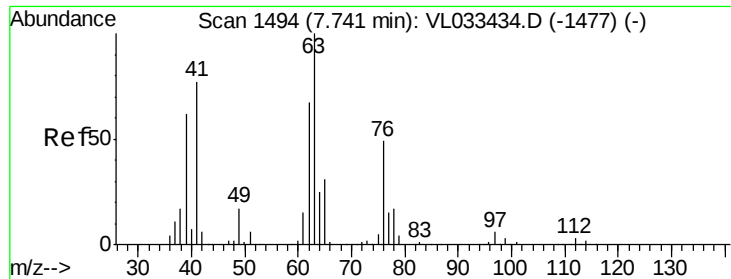
Tgt Ion: 62 Resp: 37964
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.4 6.6



#38
 Trichloroethene
 Concen: 0.355 ppbv
 RT: 7.95 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion: 130 Resp: 20998
 Ion Ratio Lower Upper
 130 100
 95 90.9 89.8 134.8
 132 81.6 76.6 115.0
 97 68.3 58.6 88.0

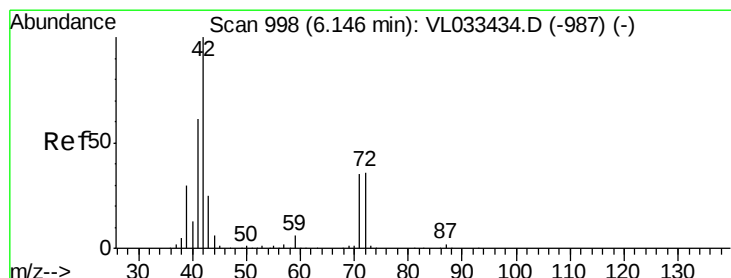
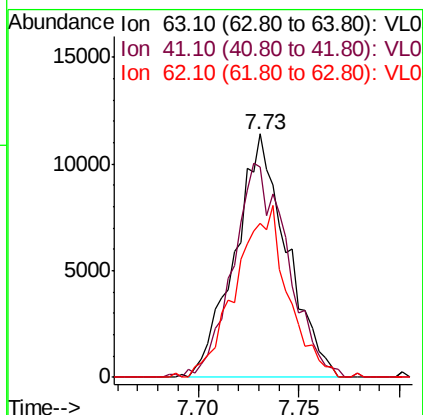
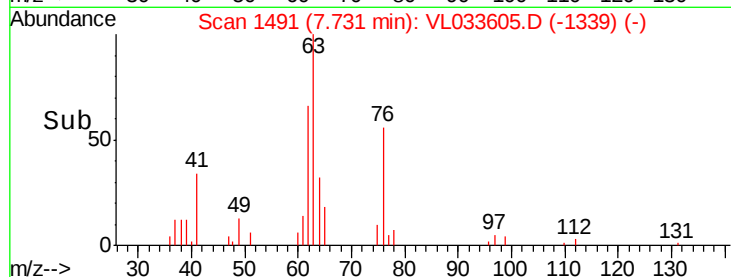
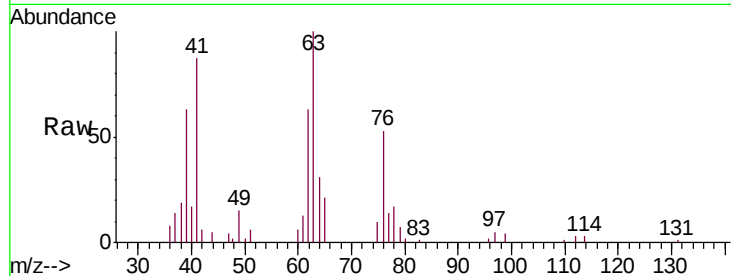




#39
 1,2-Dichloropropane
 Concen: 0.332 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

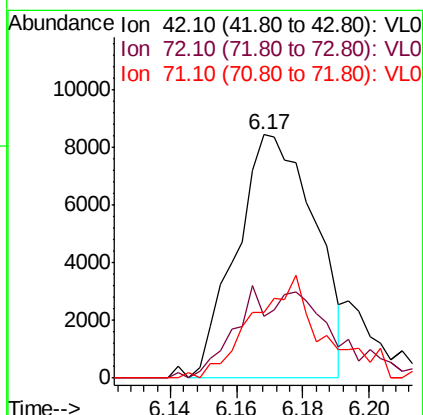
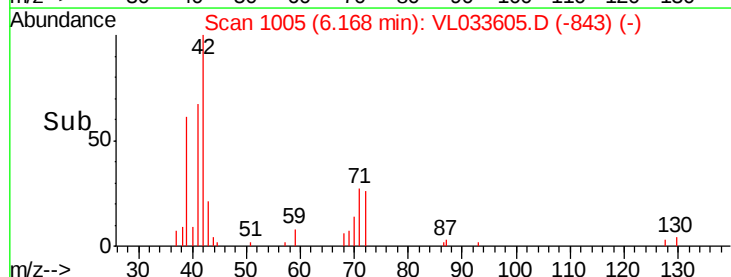
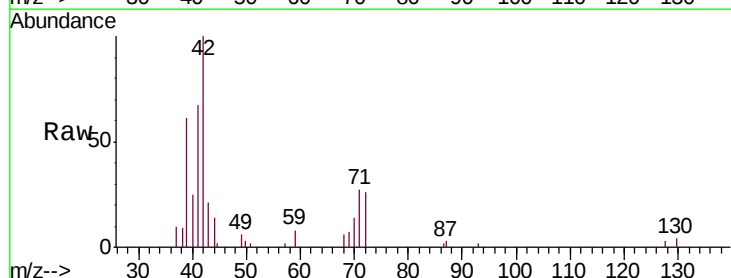
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

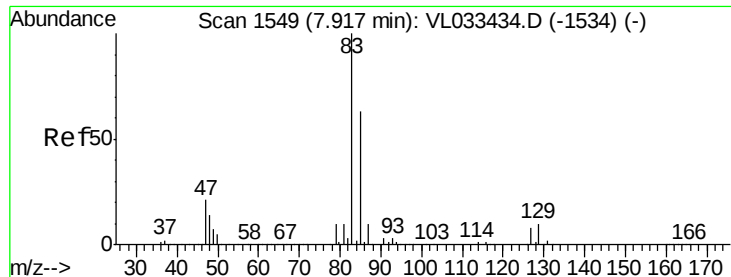
Tgt Ion: 63 Resp: 20422
 Ion Ratio Lower Upper
 63 100
 41 83.4 61.2 91.8
 62 63.3 54.0 81.0



#41
 Tetrahydrofuran
 Concen: 0.224 ppbv
 RT: 6.17 min Scan# 1005
 Delta R.T. 0.02 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion: 42 Resp: 13851
 Ion Ratio Lower Upper
 42 100
 72 44.3 30.2 45.2
 71 38.1 29.4 44.2





#42

Bromodichloromethane

Concen: 0.338 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

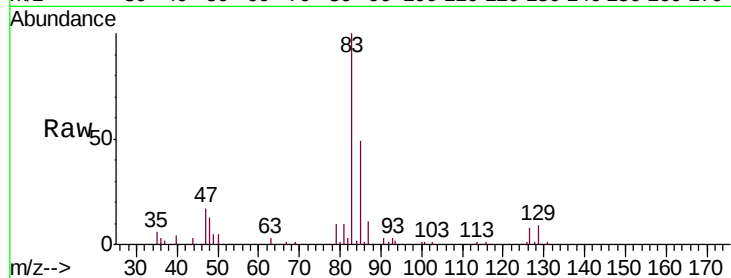
Tgt Ion: 83 Resp: 48439

Ion Ratio Lower Upper

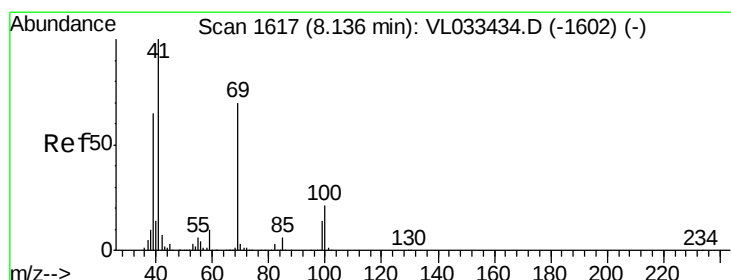
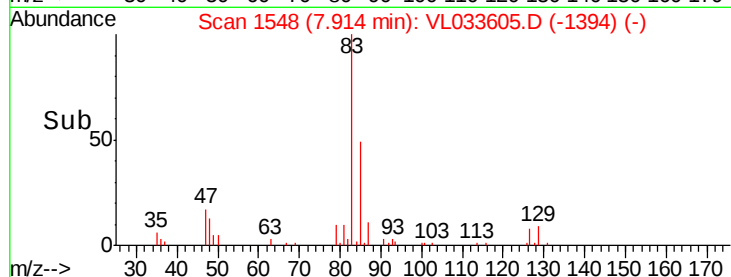
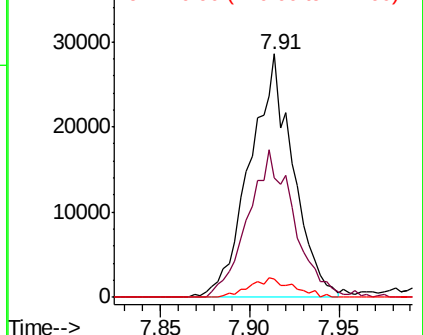
83 100

85 49.0 50.7 76.1#

127 8.5 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: 0.241 ppbv

RT: 8.14 min Scan# 1619

Delta R.T. 0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

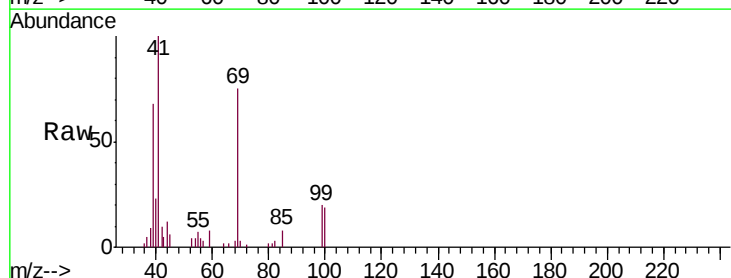
Tgt Ion: 69 Resp: 15396

Ion Ratio Lower Upper

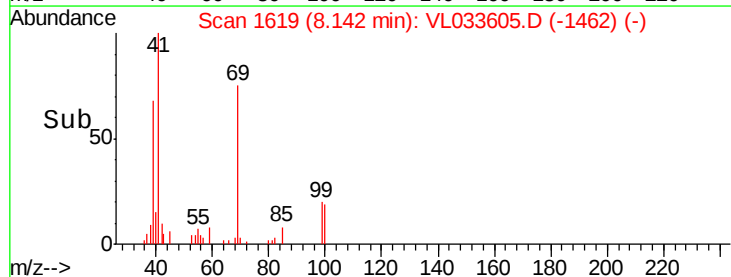
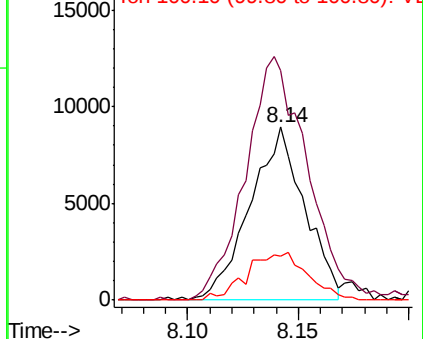
69 100

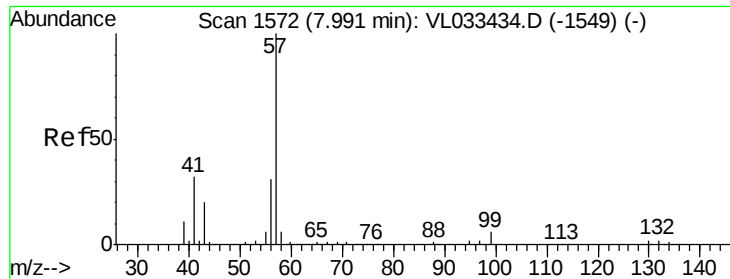
41 160.9 116.6 174.8

100 30.5 24.4 36.6



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

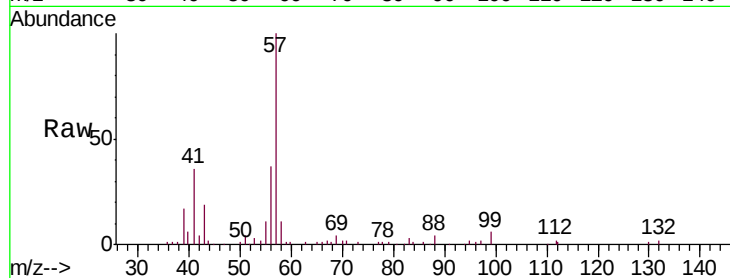




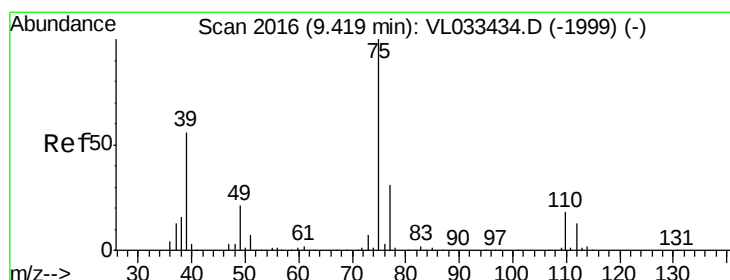
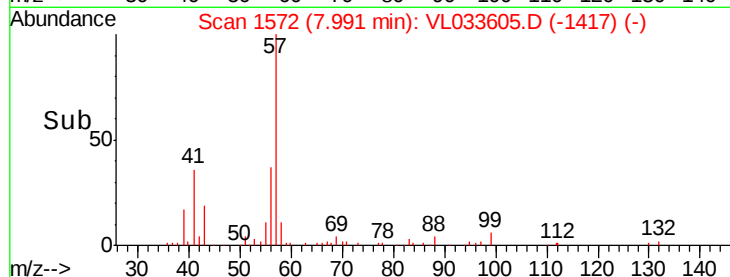
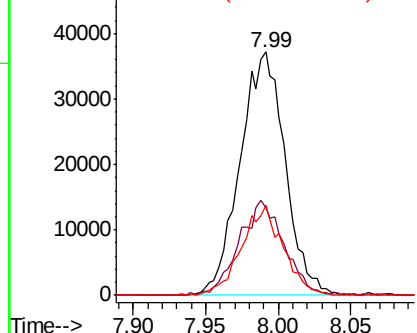
#44
 2,2,4-Trimethylpentane
 Concen: 0.293 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 57 Resp: 80533
 Ion Ratio Lower Upper
 57 100
 41 38.8 26.0 39.0
 56 34.1 24.6 37.0

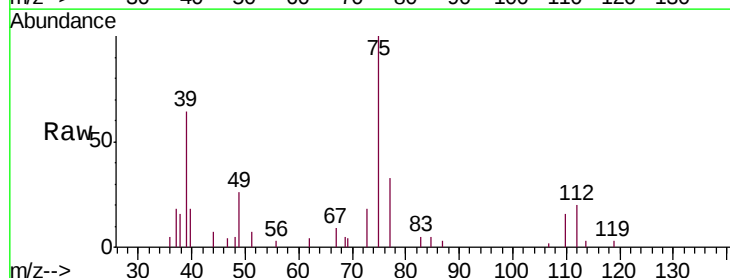


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

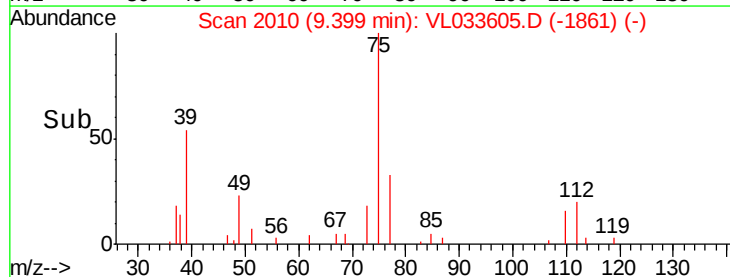
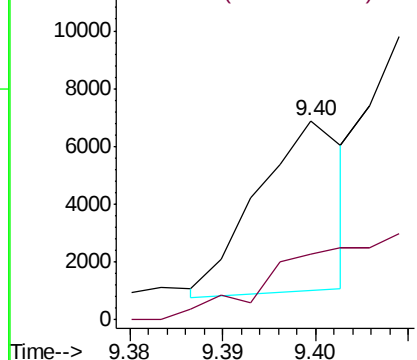


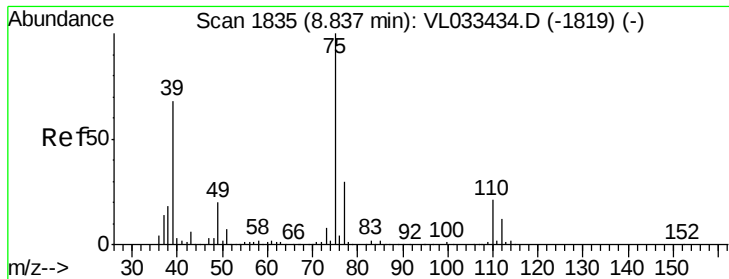
#45
 t-1,3-Dichloropropene
 Concen: 0.049 ppbv
 RT: 9.40 min Scan# 2010
 Delta R.T. -0.02 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion: 75 Resp: 3876
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.5 36.7



Abundance Ion 75.10 (74.80 to 75.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

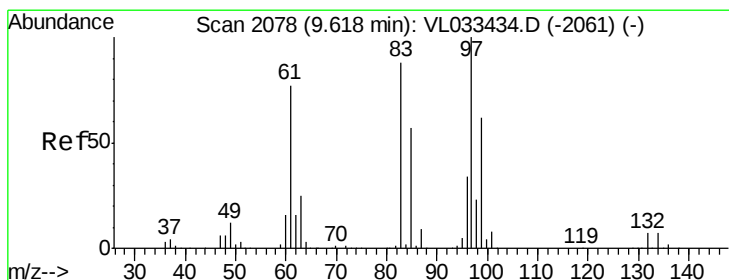
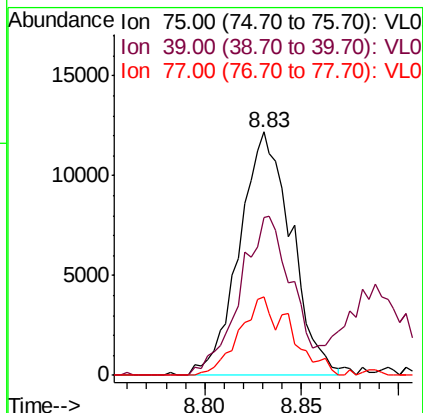
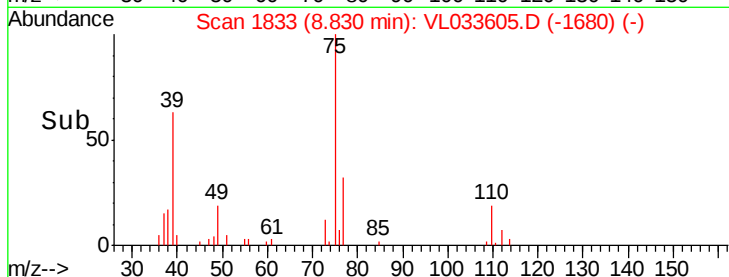
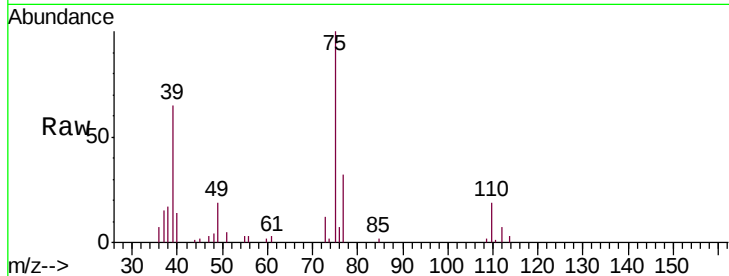




#46
 cis-1,3-Dichloropropene
 Concen: 0.249 ppbv
 RT: 8.83 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

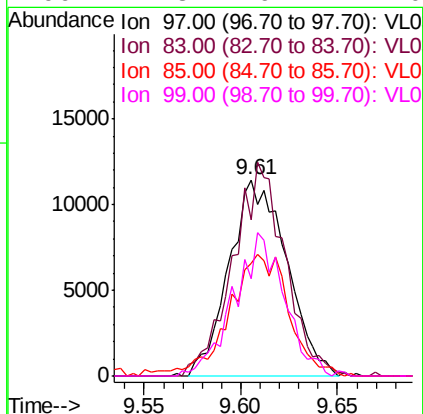
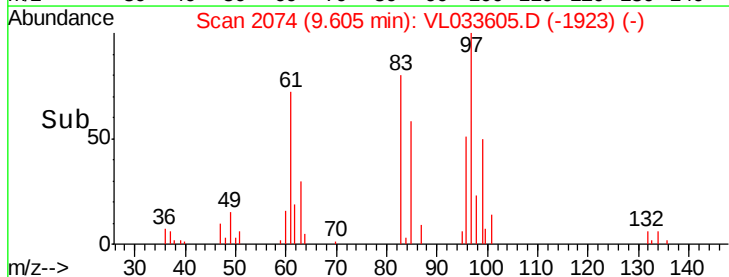
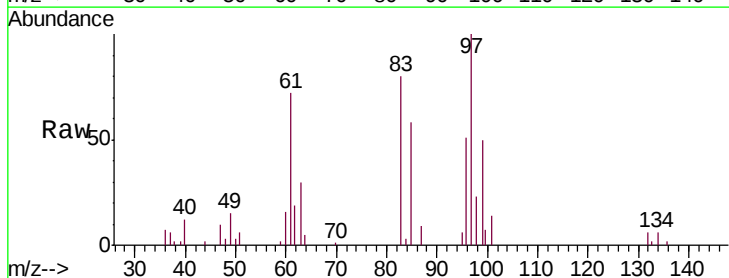
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

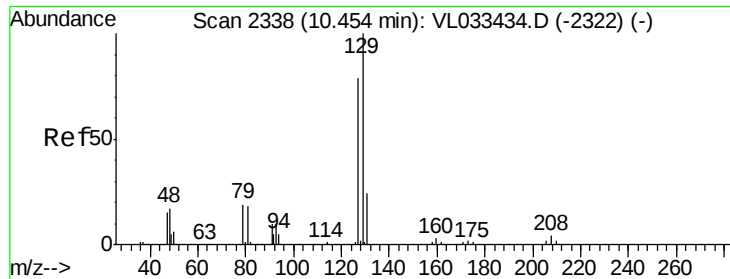
Tgt Ion: 75 Resp: 22779
 Ion Ratio Lower Upper
 75 100
 39 64.7 54.1 81.1
 77 32.1 23.9 35.9



#47
 1,1,2-Trichloroethane
 Concen: 0.338 ppbv
 RT: 9.61 min Scan# 2074
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion: 97 Resp: 23665
 Ion Ratio Lower Upper
 97 100
 83 63.3 70.5 105.7#
 85 45.8 45.6 68.4
 99 44.3 49.4 74.0#





#48

Dibromochloromethane

Concen: 0.313 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

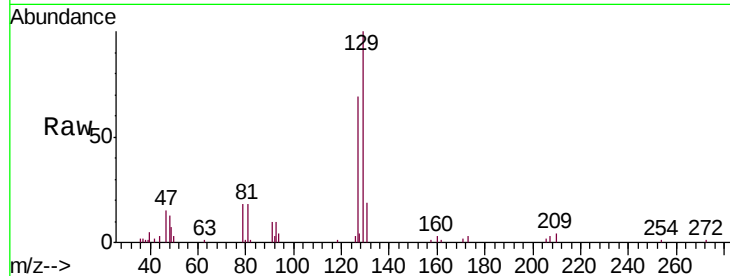
MDL-MDL-AIR-03-QT2-2019

Tgt Ion:129 Resp: 36894

Ion Ratio Lower Upper

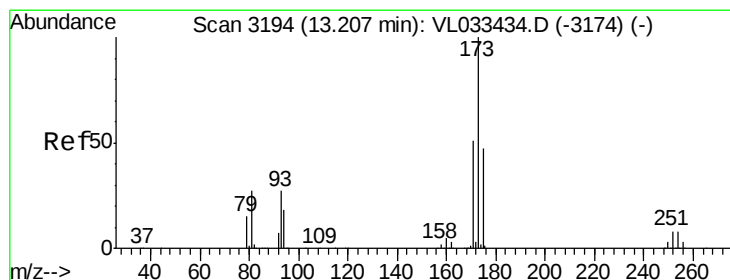
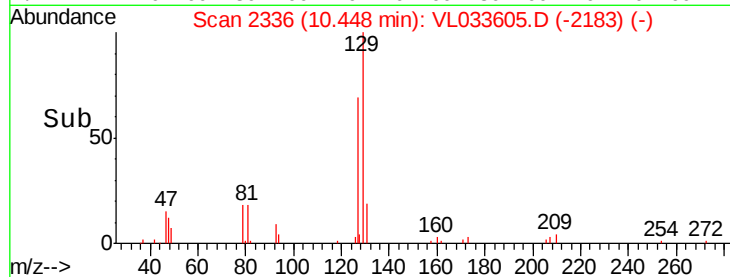
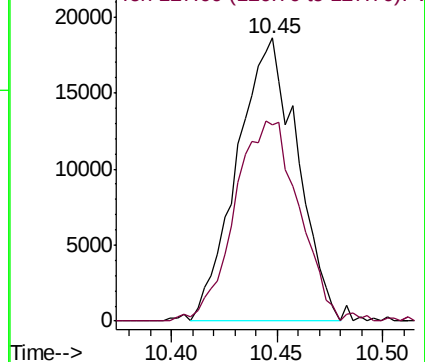
129 100

127 76.5 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.159 ppbv

RT: 13.20 min Scan# 3191

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

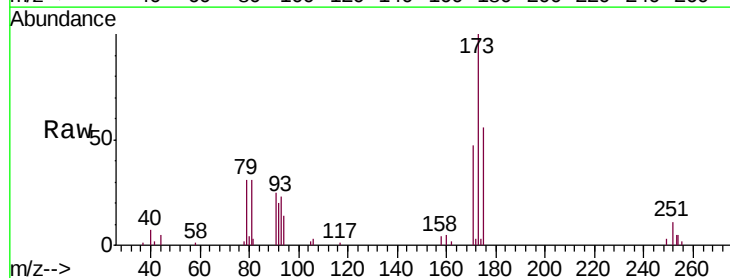
Tgt Ion:173 Resp: 17901

Ion Ratio Lower Upper

173 100

175 85.7 39.3 58.9#

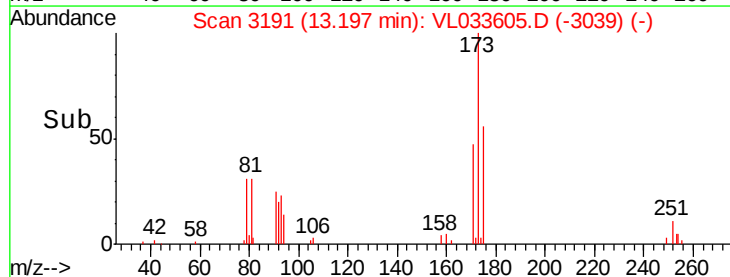
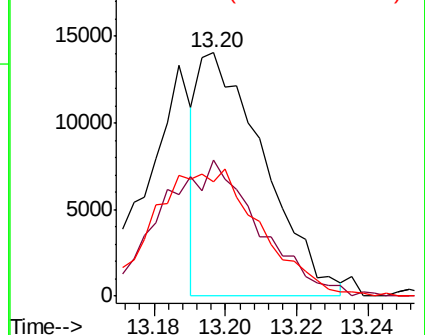
171 86.9 41.2 61.8#

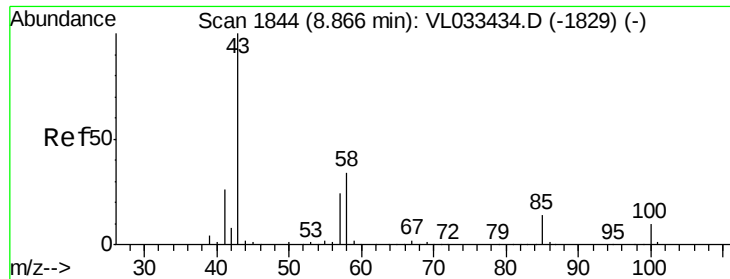


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

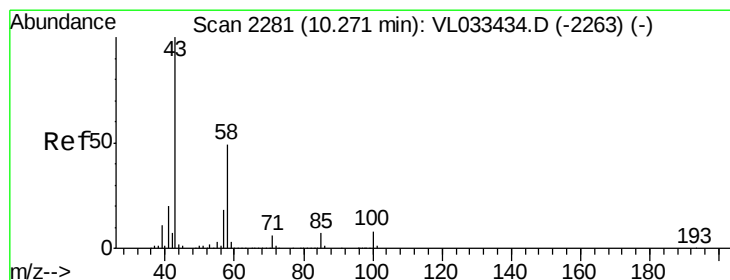
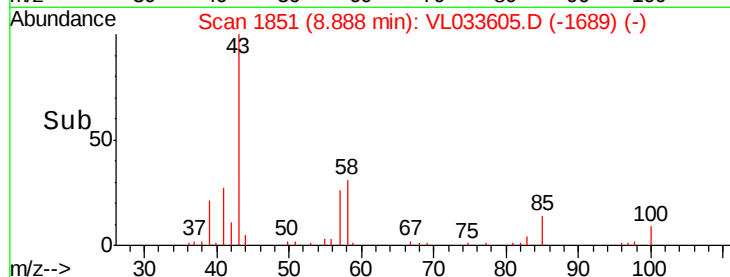
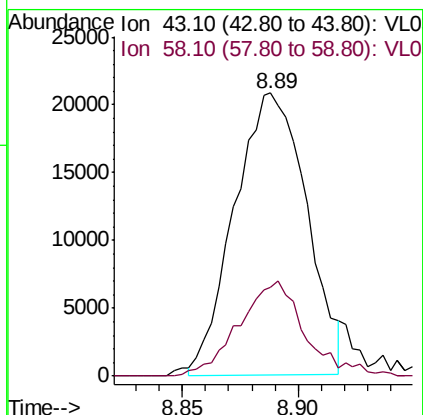
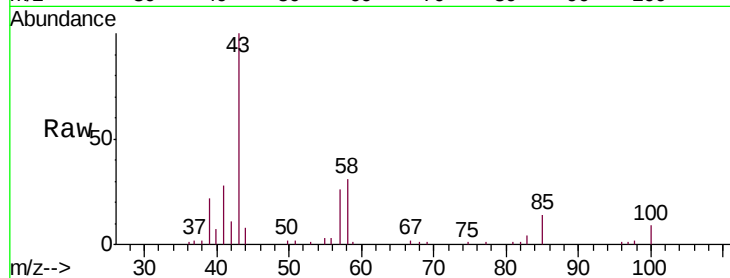




#50
4-Methyl-2-Pentanone
Concen: 0.273 ppbv
RT: 8.89 min Scan# 1851
Delta R.T. 0.02 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

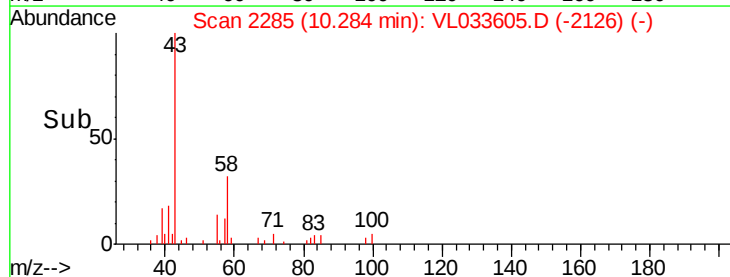
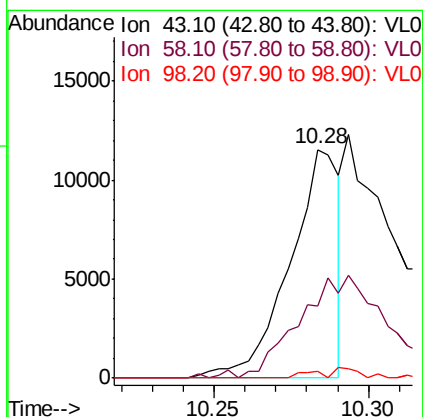
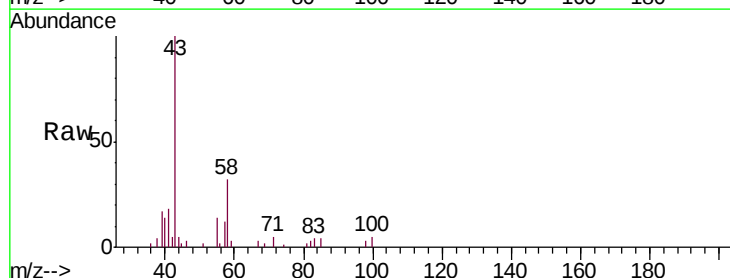
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT2-2019

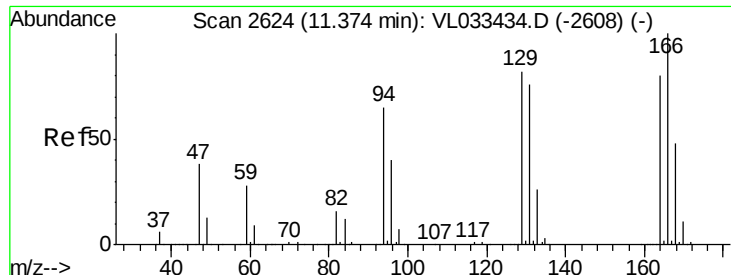
Tgt Ion: 43 Resp: 45040
Ion Ratio Lower Upper
43 100
58 30.9 28.0 42.0



#51
2-Hexanone
Concen: 0.103 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.01 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

Tgt Ion: 43 Resp: 12668
Ion Ratio Lower Upper
43 100
58 0.0 38.2 57.2#
98 0.0 0.2 0.2#

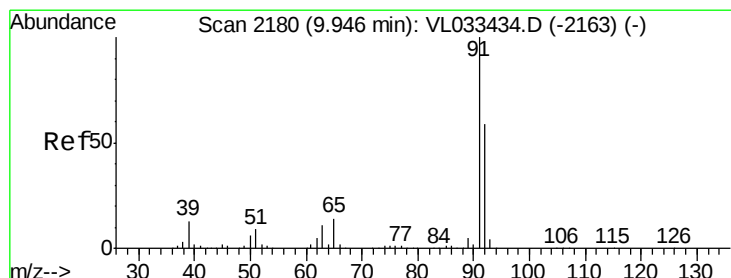
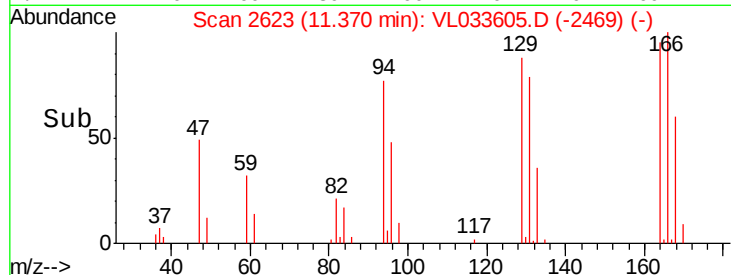
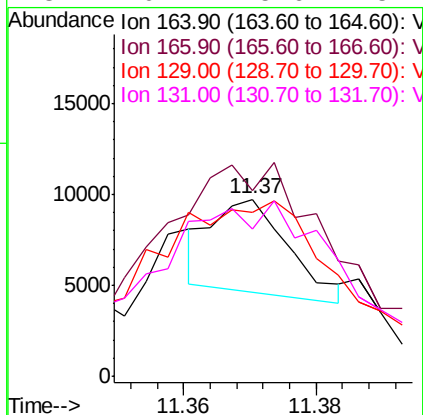
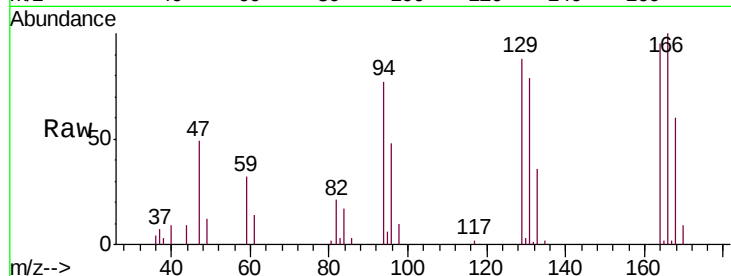




#52
Tetrachloroethene
Concen: 0.066 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

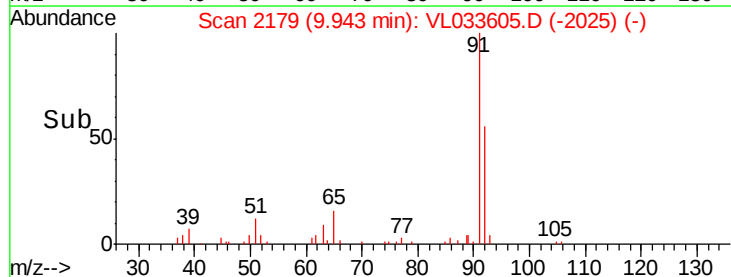
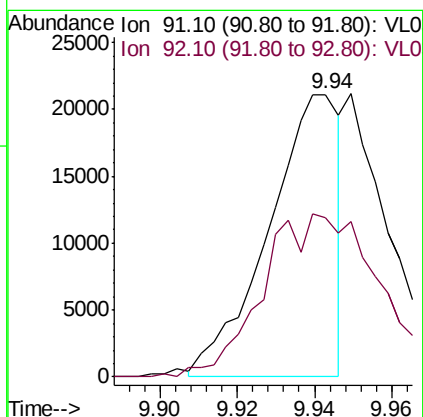
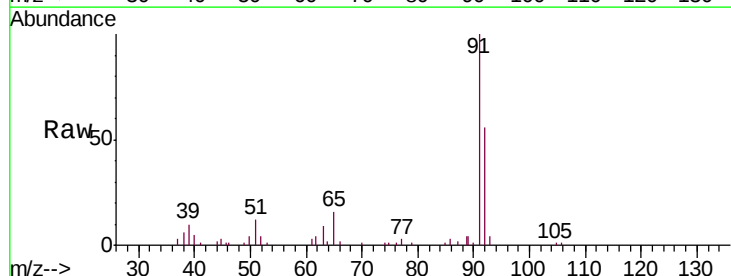
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT2-2019

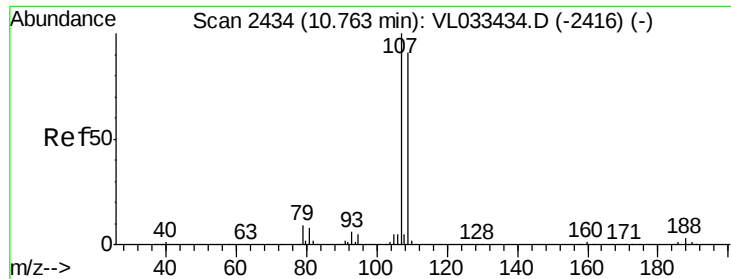
Tgt Ion:164 Resp: 3942
Ion Ratio Lower Upper
164 100
166 84.3 99.5 149.3#
129 76.9 81.4 122.2#
131 40.1 75.6 113.4#



#53
Toluene
Concen: 0.147 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

Tgt Ion: 91 Resp: 26885
Ion Ratio Lower Upper
91 100
92 95.7 47.4 71.0#

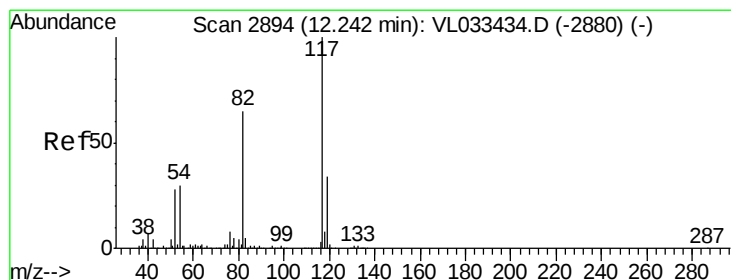
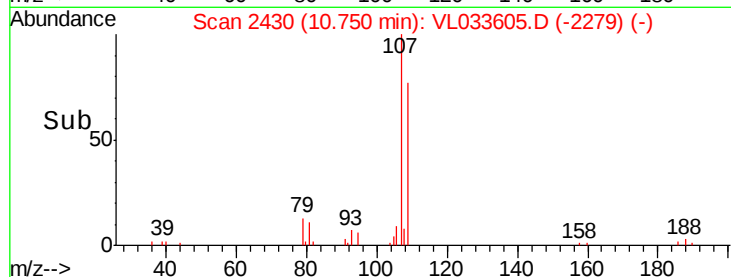
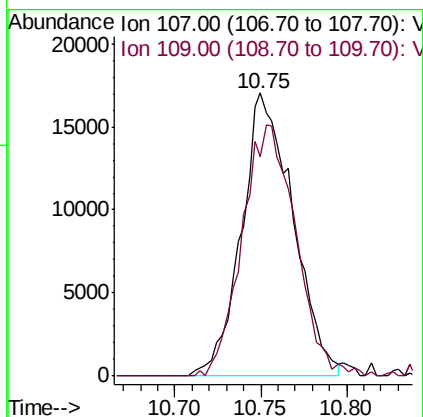
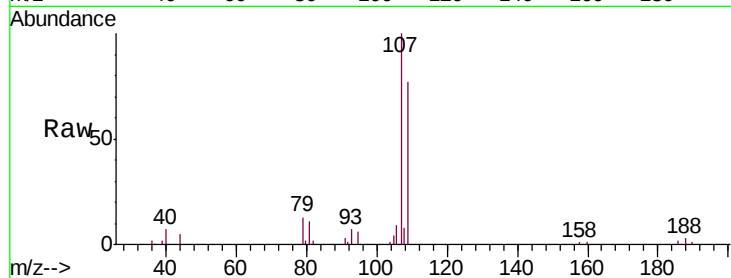




#54
 1,2-Dibromoethane
 Concen: 0.324 ppbv
 RT: 10.75 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

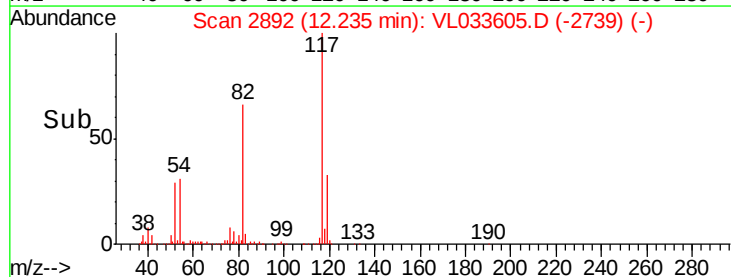
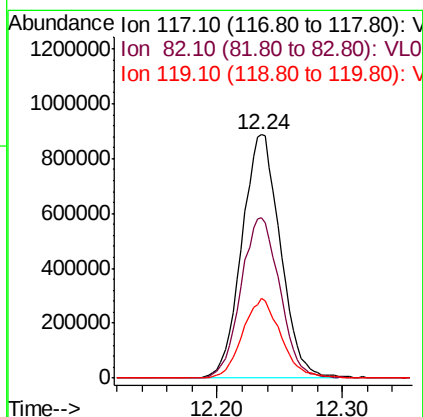
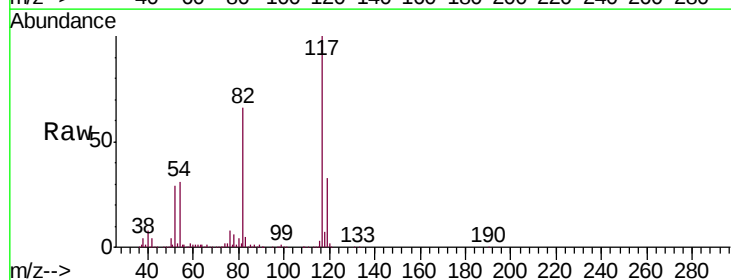
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

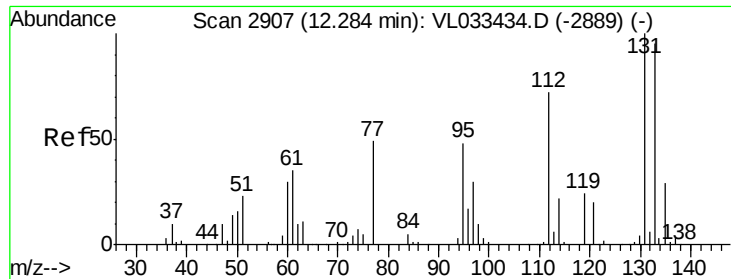
Tgt Ion:107 Resp: 35437
 Ion Ratio Lower Upper
 107 100
 109 71.9 72.7 109.1#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.24 min Scan# 2892
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion:117 Resp: 1894626
 Ion Ratio Lower Upper
 117 100
 82 66.9 51.5 77.3
 119 32.9 25.5 38.3

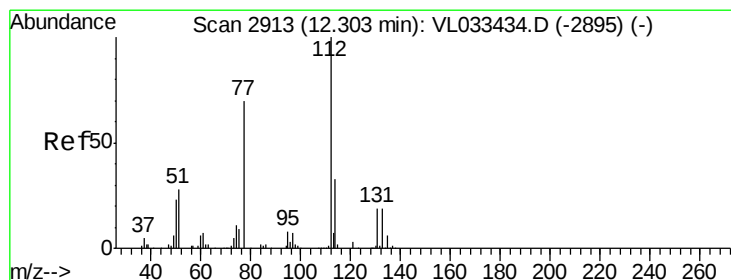
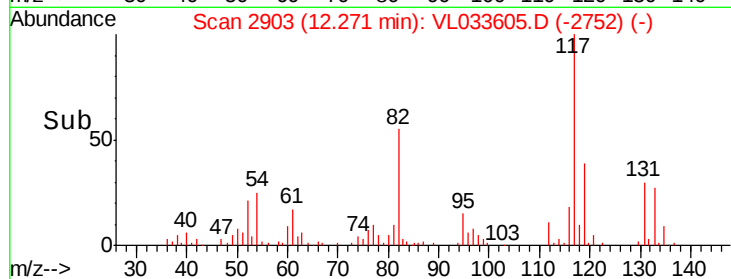
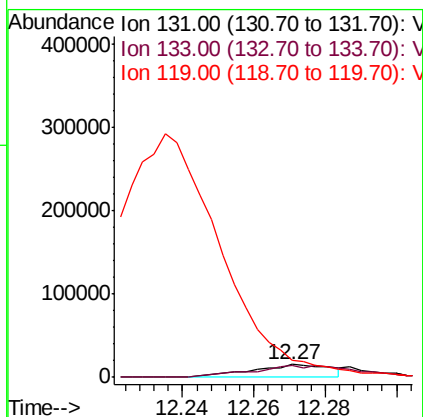
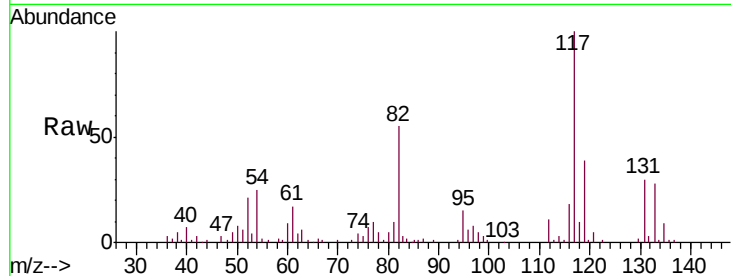




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.273 ppbv
 RT: 12.27 min Scan# 2903
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

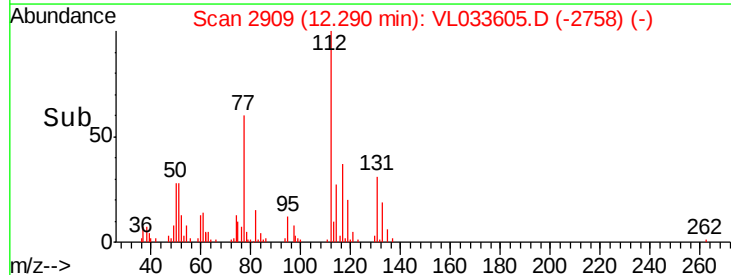
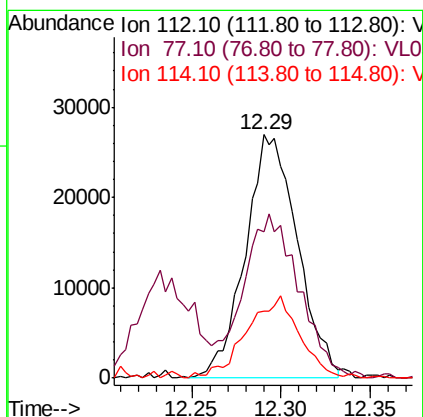
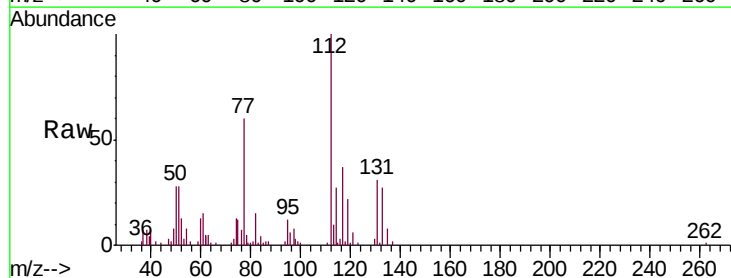
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

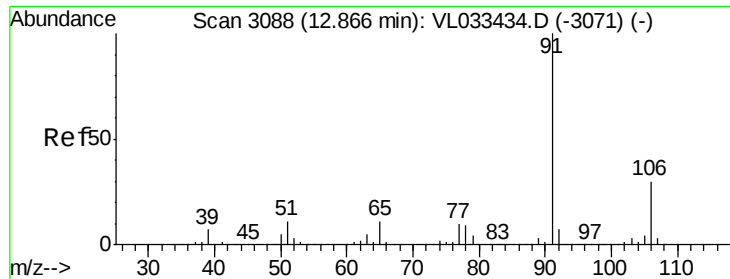
Tgt Ion:131 Resp: 23714
 Ion Ratio Lower Upper
 131 100
 133 127.9 76.2 114.4#
 119 0.0 45.0 67.6#



#57
 Chlorobenzene
 Concen: 0.374 ppbv
 RT: 12.29 min Scan# 2909
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion:112 Resp: 55007
 Ion Ratio Lower Upper
 112 100
 77 55.5 57.3 85.9#
 114 26.1 29.8 36.4#





#58

Ethyl Benzene

Concen: 0.248 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

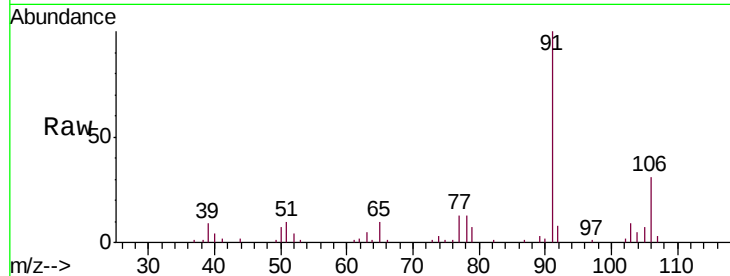
MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 91 Resp: 62669

Ion Ratio Lower Upper

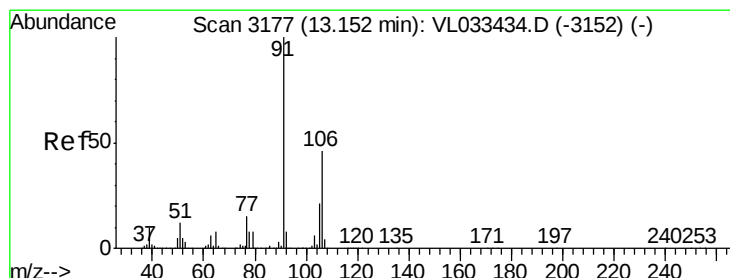
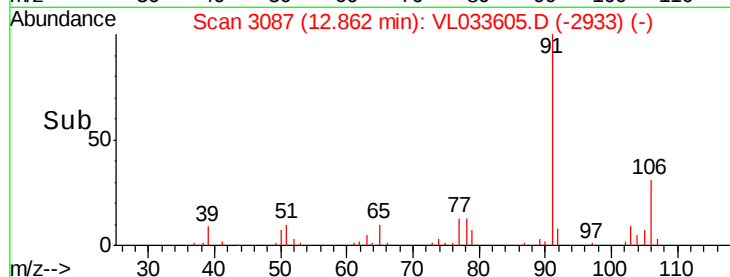
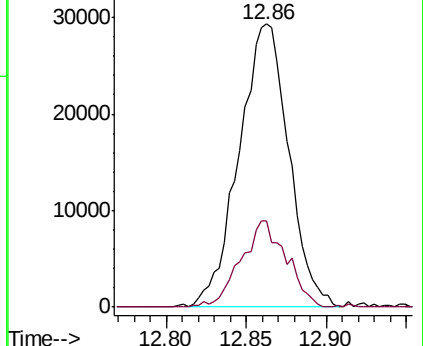
91 100

106 30.5 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.193 ppbv

RT: 13.15 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VL033605.D

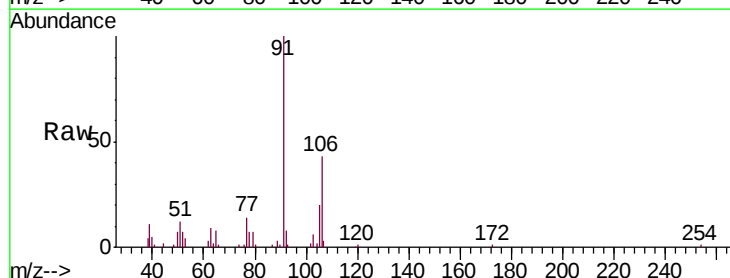
Acq: 17 Apr 2019 16:53

Tgt Ion: 91 Resp: 43729

Ion Ratio Lower Upper

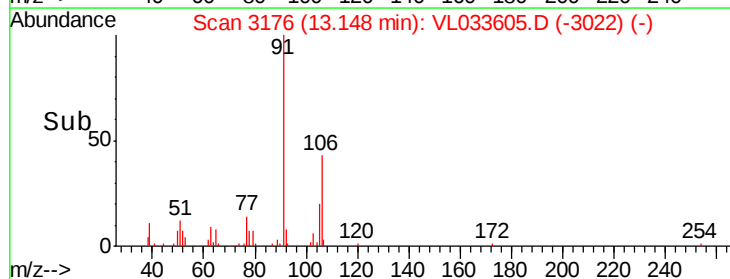
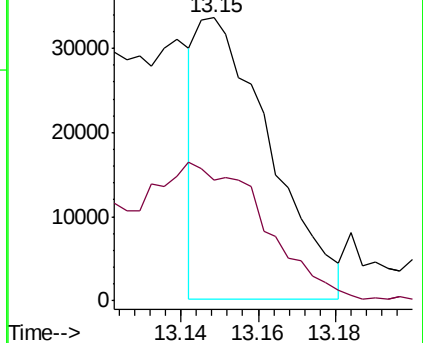
91 100

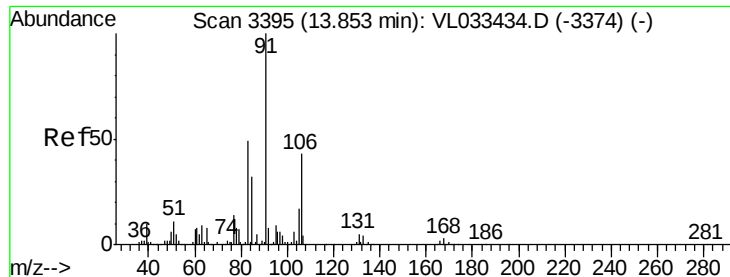
106 0.0 0.0 0.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

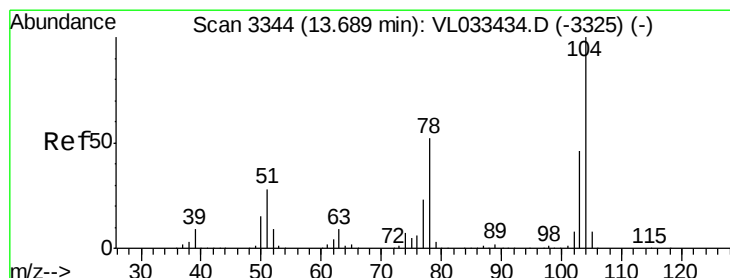
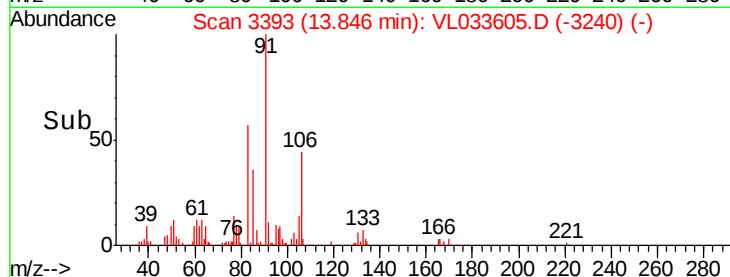
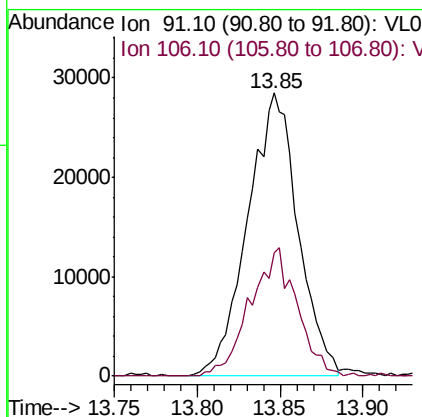
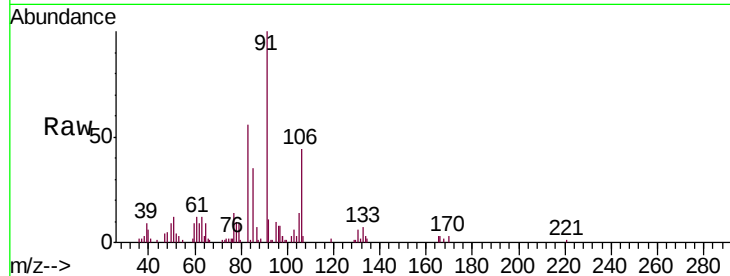




#60
o-Xylene
Concen: 0.276 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

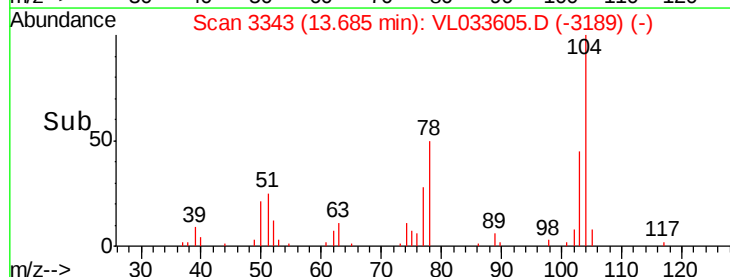
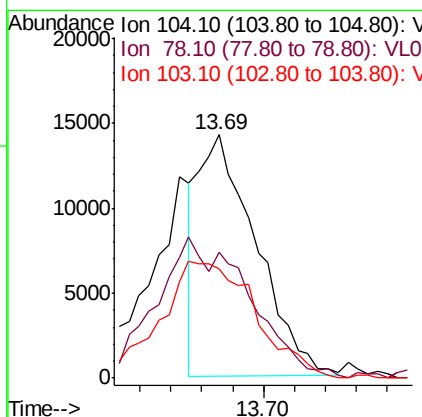
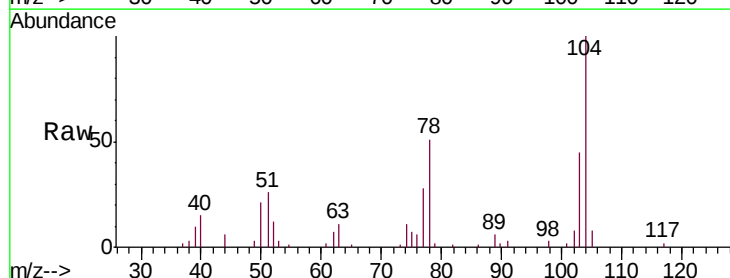
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT2-2019

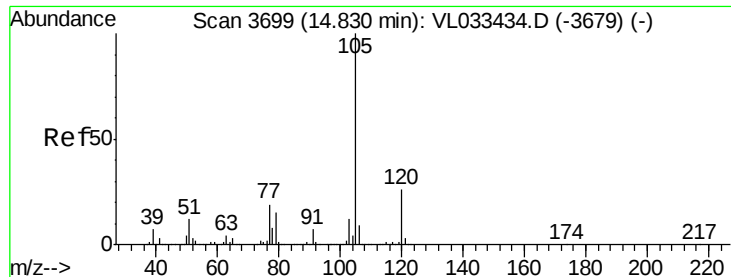
Tgt Ion: 91 Resp: 60401
Ion Ratio Lower Upper
91 100
106 42.3 21.4 64.3



#61
Styrene
Concen: 0.122 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

Tgt Ion: 104 Resp: 18342
Ion Ratio Lower Upper
104 100
78 0.0 43.2 64.8#
103 0.0 37.8 56.8#





#62

Isopropylbenzene

Concen: 0.296 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

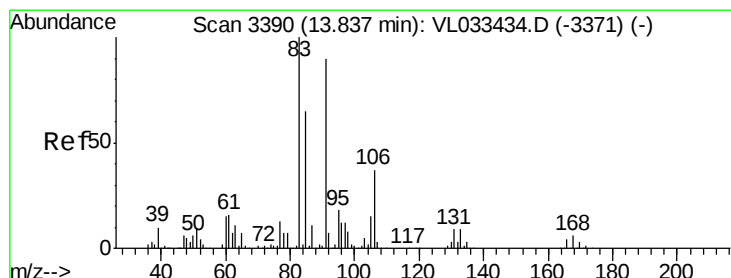
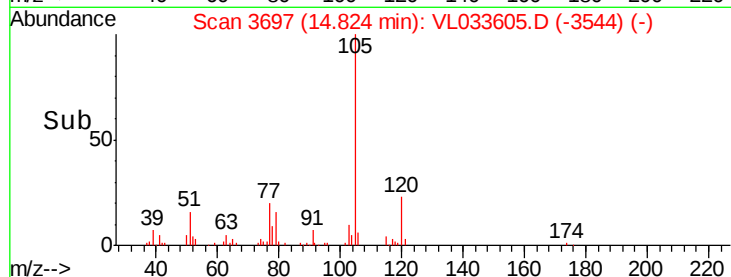
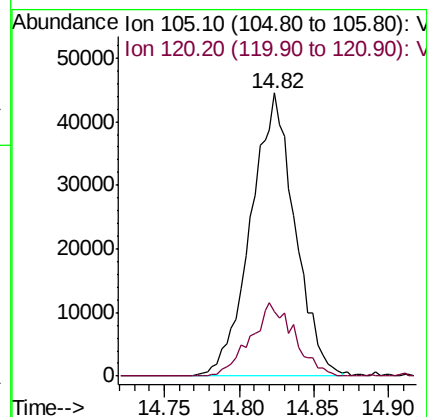
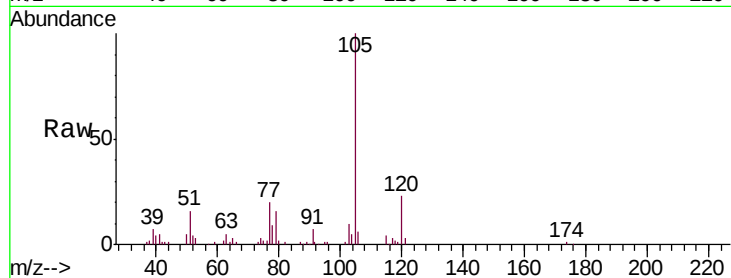
MDL-MDL-AIR-03-QT2-2019

Tgt Ion: 105 Resp: 91464

Ion Ratio Lower Upper

105 100

120 25.4 20.2 30.2



#63

1,1,2,2-Tetrachloroethane

Concen: 0.370 ppbv

RT: 13.83 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

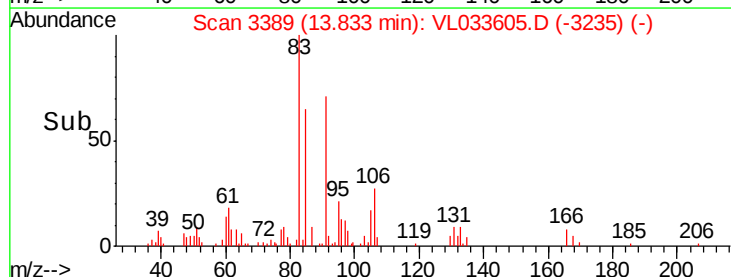
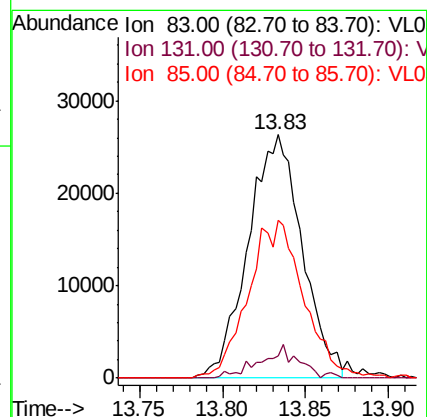
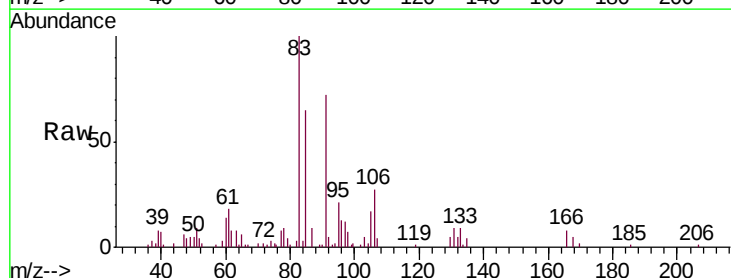
Tgt Ion: 83 Resp: 59494

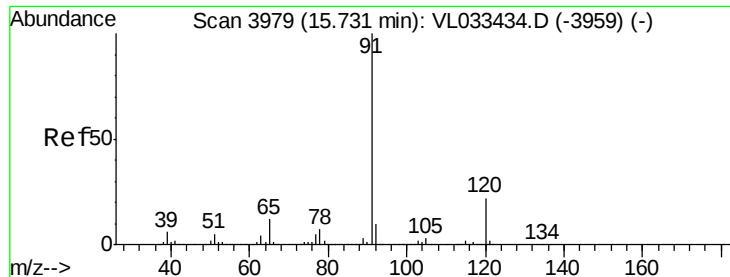
Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.0

85 66.9 32.7 98.1





#64

n-propylbenzene

Concen: 0.151 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

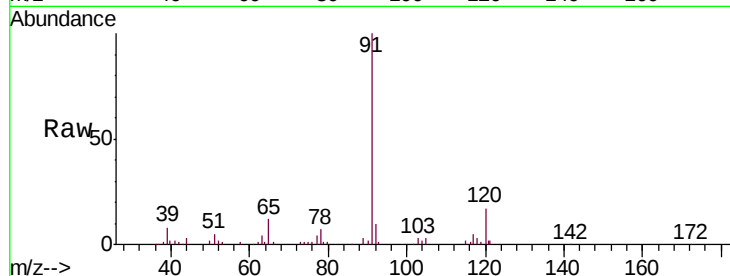
MDL-MDL-AIR-03-QT2-2019

Tgt Ion:120 Resp: 11823

Ion Ratio Lower Upper

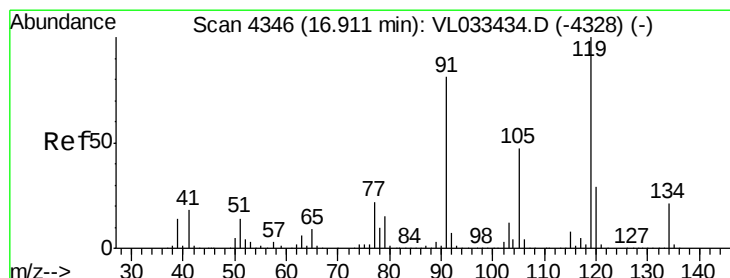
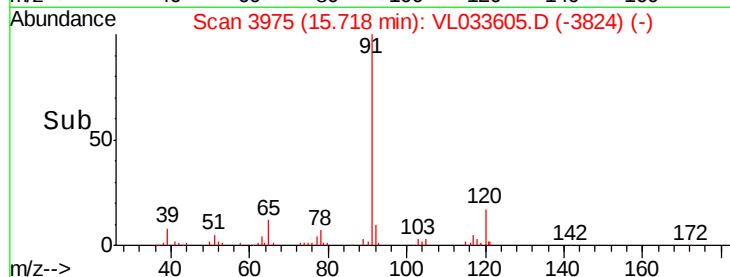
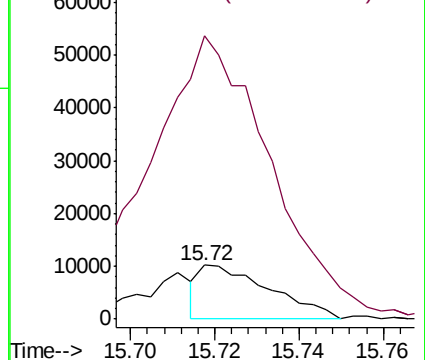
120 100

91 948.0 387.4 581.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.150 ppbv

RT: 16.90 min Scan# 4344

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

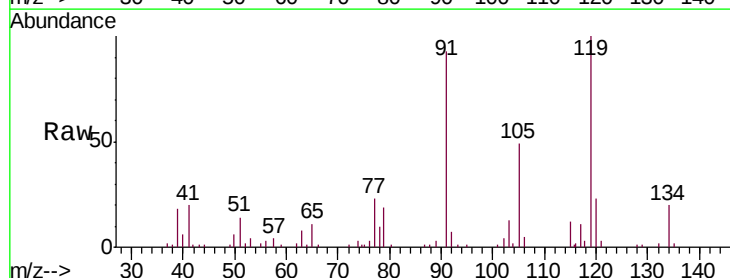
Tgt Ion:119 Resp: 41018

Ion Ratio Lower Upper

119 100

91 165.6 66.4 99.6#

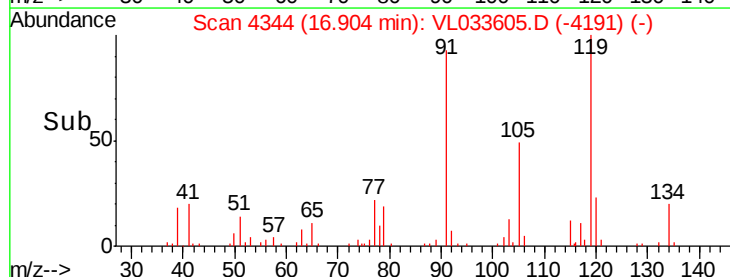
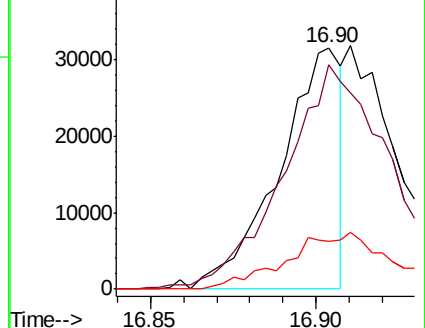
134 0.0 15.5 23.3#

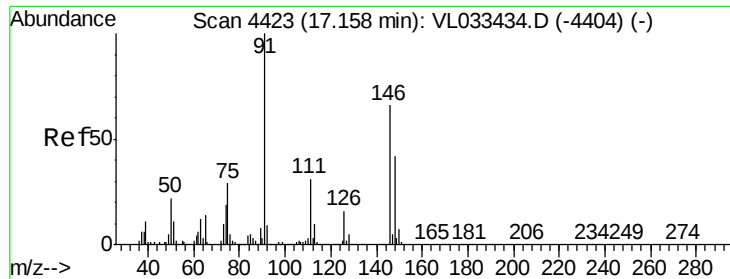


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#66

Benzyl Chloride

Concen: 0.155 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

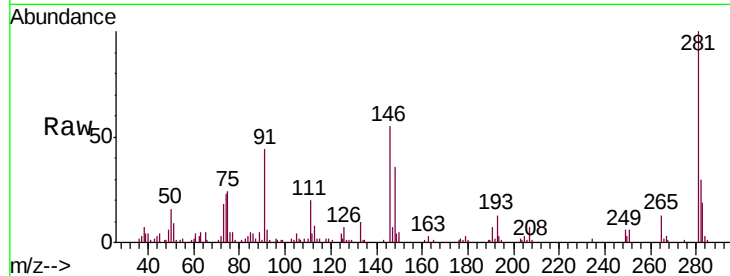
Tgt Ion: 91 Resp: 19661

Ion Ratio Lower Upper

91 100

126 32.3 13.0 19.6#

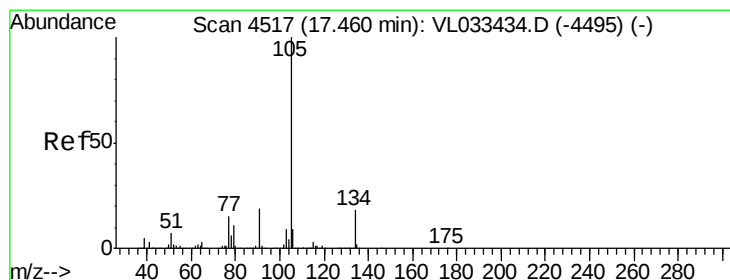
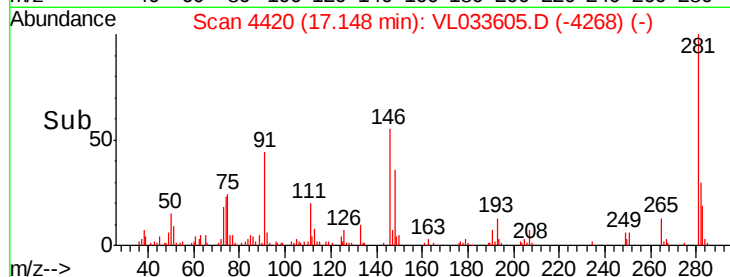
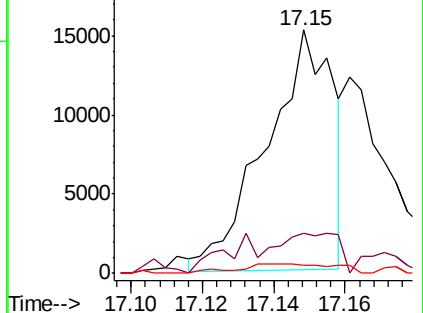
128 7.4 4.2 6.2#



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: 0.301 ppbv

RT: 17.46 min Scan# 4516

Delta R.T. -0.00 min

Lab File: VL033605.D

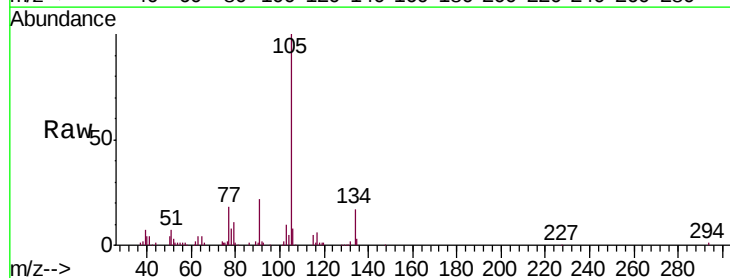
Acq: 17 Apr 2019 16:53

Tgt Ion: 105 Resp: 116725

Ion Ratio Lower Upper

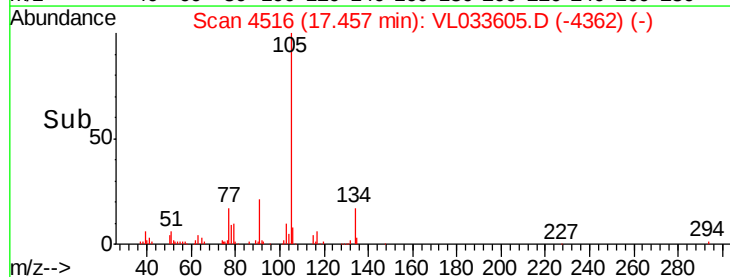
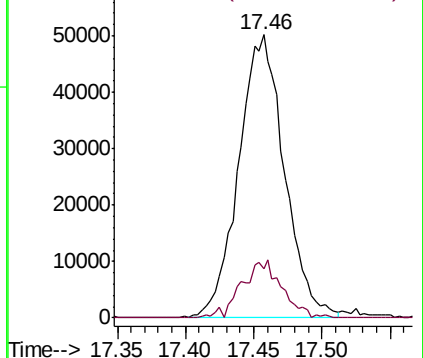
105 100

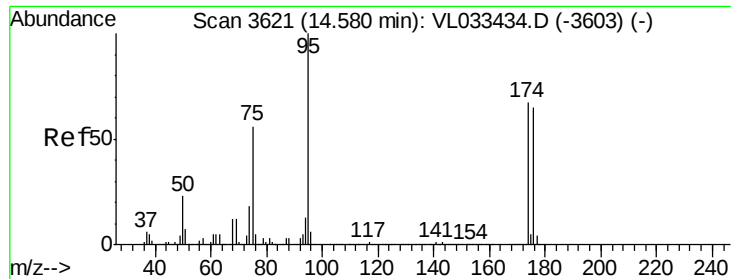
134 18.2 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

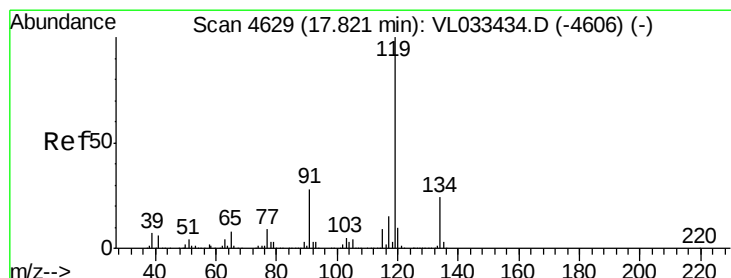
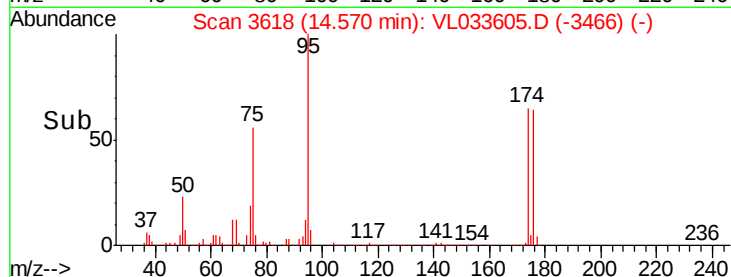
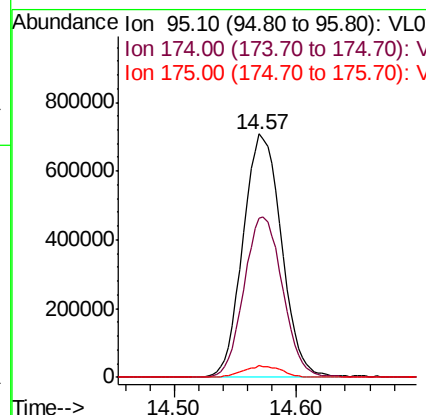
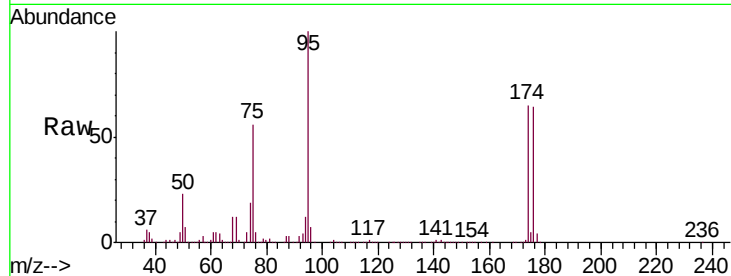




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.387 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

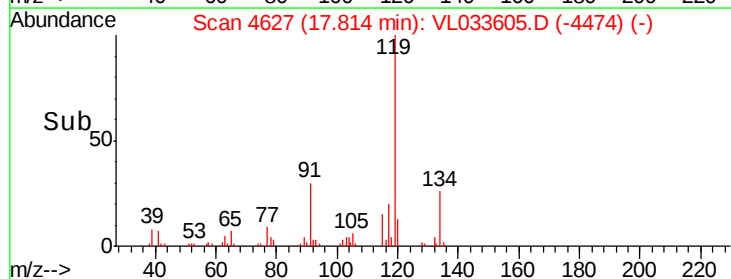
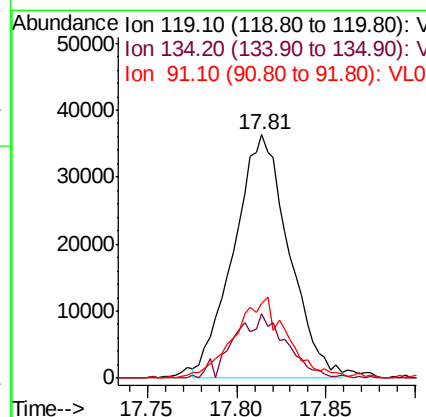
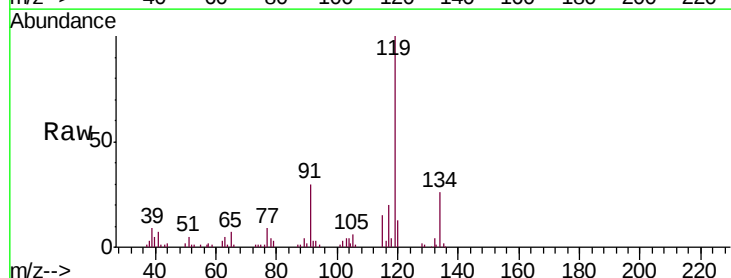
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

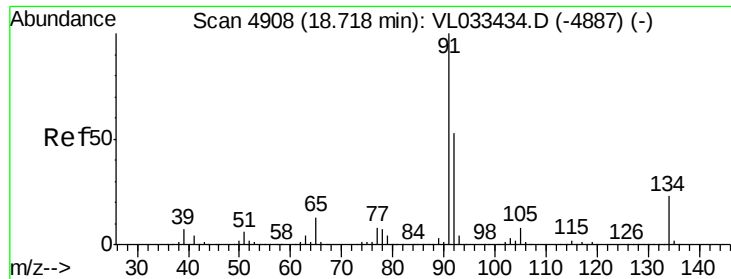
Tgt Ion: 95 Resp: 1542860
 Ion Ratio Lower Upper
 95 100
 174 66.6 52.9 79.3
 175 4.8 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.248 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion: 119 Resp: 78176
 Ion Ratio Lower Upper
 119 100
 134 25.1 19.9 29.9
 91 32.4 23.4 35.0

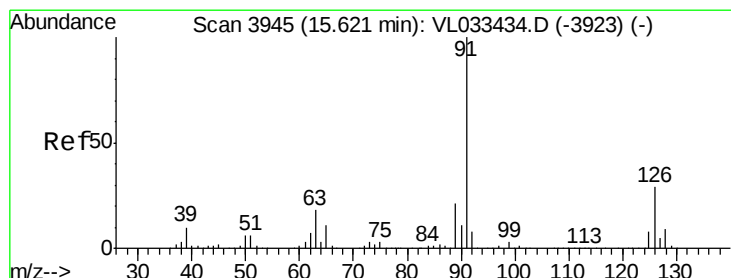
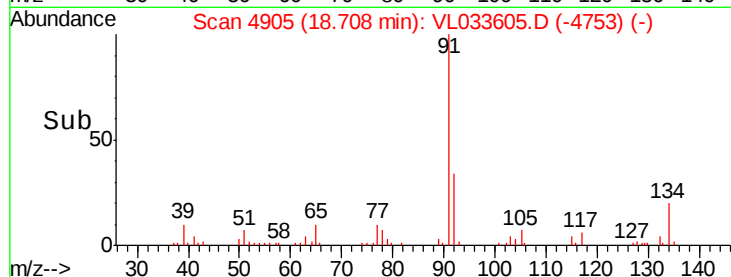
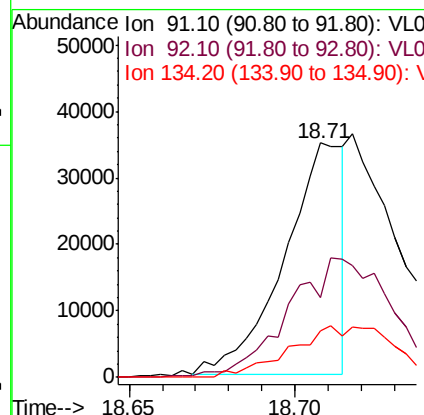
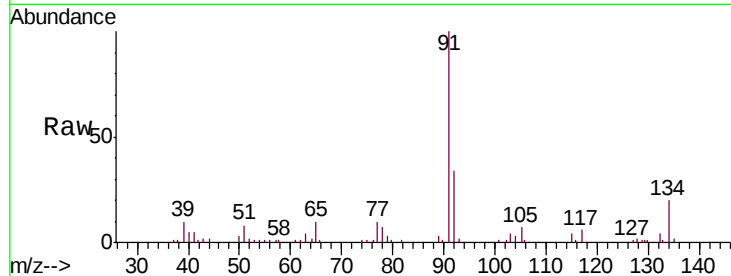




#70
n-Butylbenzene
Concen: 0.130 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

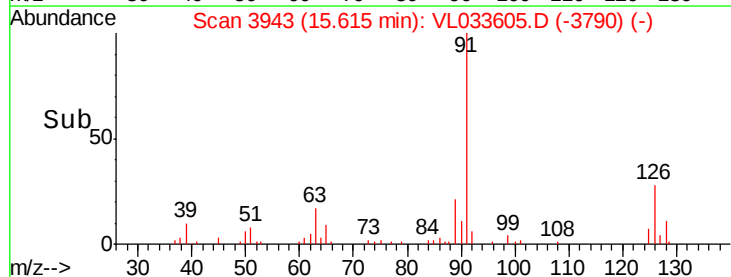
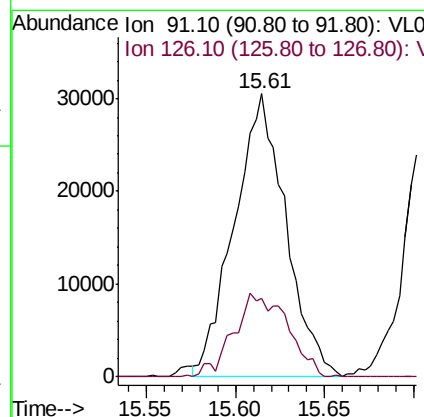
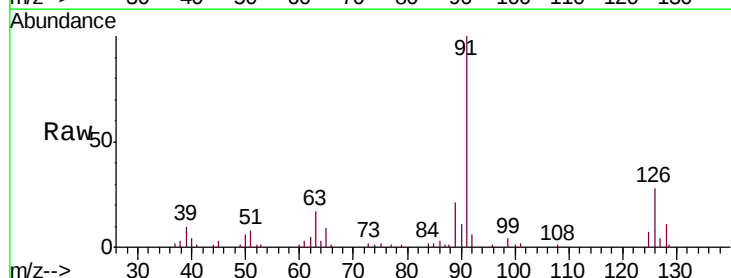
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT2-2019

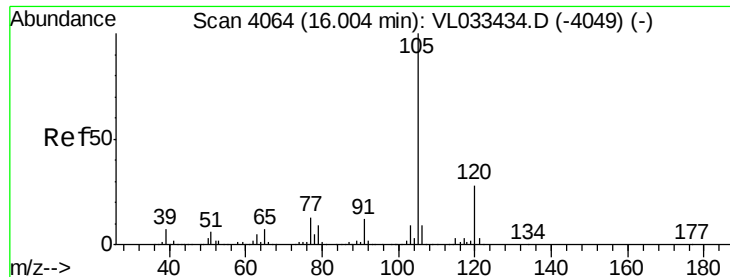
Tgt Ion: 91 Resp: 43580
Ion Ratio Lower Upper
91 100
92 94.8 42.6 64.0#
134 40.8 17.5 26.3#



#71
2-Chlorotoluene
Concen: 0.262 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. -0.01 min
Lab File: VL033605.D
Acq: 17 Apr 2019 16:53

Tgt Ion: 91 Resp: 61633
Ion Ratio Lower Upper
91 100
126 30.9 11.7 46.9





#72

4-Ethyltoluene

Concen: 0.241 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

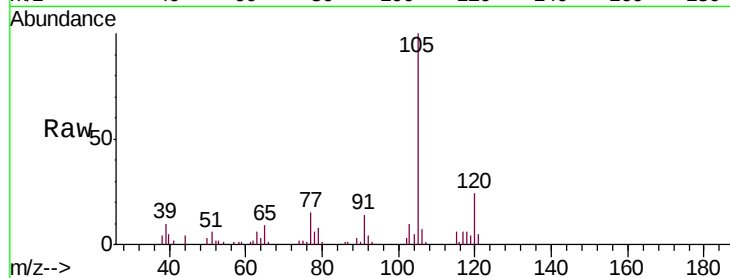
Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

Tgt Ion:	105	Resp:	59165
Ion	Ratio	Lower	Upper
105	100		
120	28.2	23.2	34.8
91	17.6	10.4	15.6
77	16.1	11.3	16.9

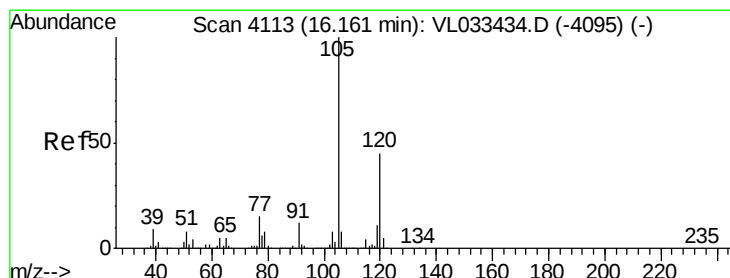
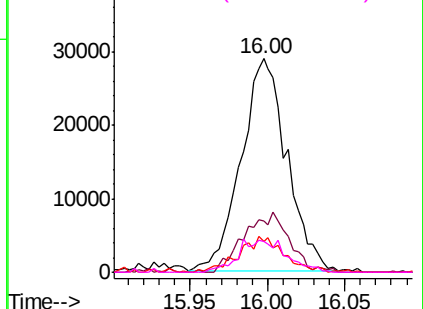
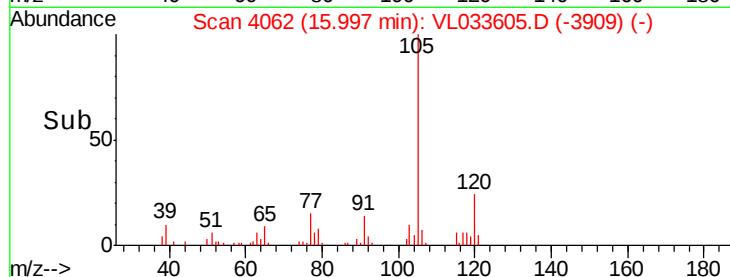


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.251 ppbv

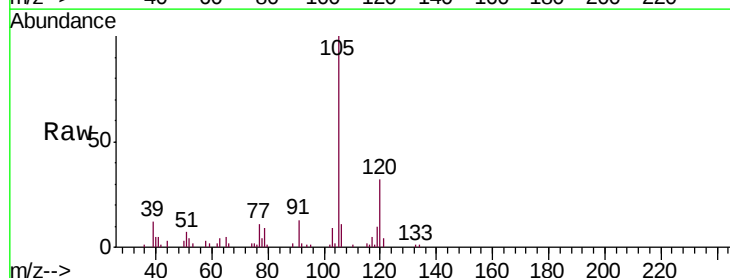
RT: 16.15 min Scan# 4111

Delta R.T. -0.01 min

Lab File: VL033605.D

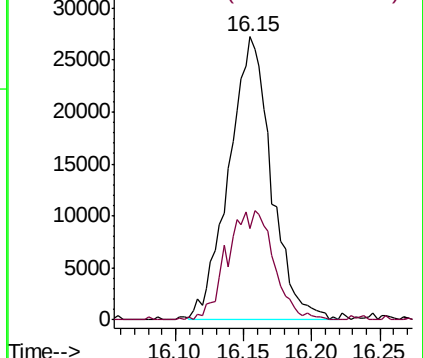
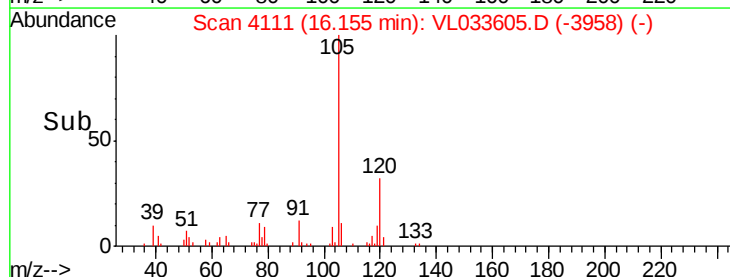
Acq: 17 Apr 2019 16:53

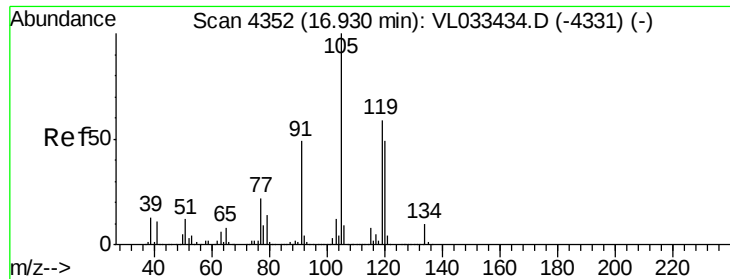
Tgt Ion:	105	Resp:	58989
Ion	Ratio	Lower	Upper
105	100		
120	32.5	35.7	53.5



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: 0.282 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

Tgt Ion:105 Resp: 71170

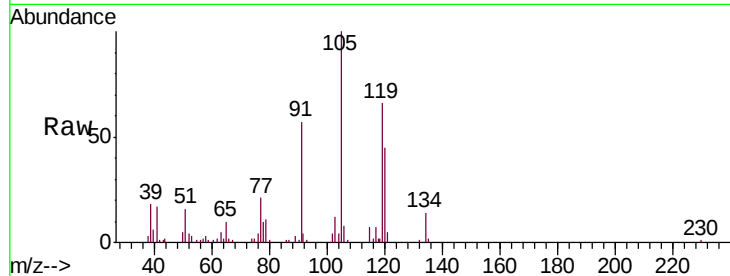
Ion Ratio Lower Upper

105 100

120 43.0 39.0 58.6

91 59.7 40.0 60.0

77 20.3 17.5 26.3

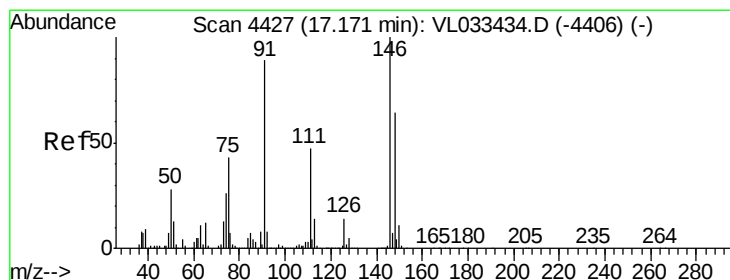
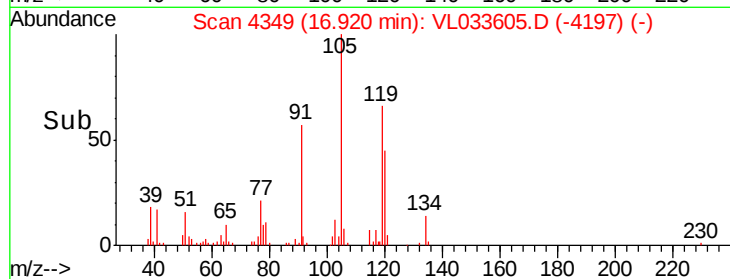
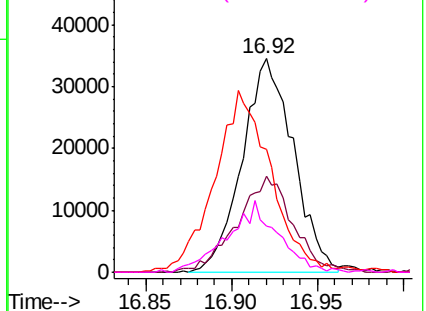


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.170 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

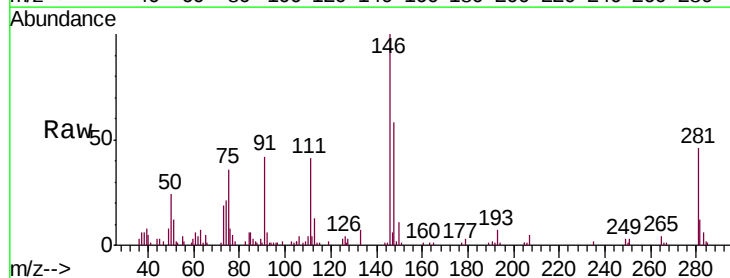
Tgt Ion:146 Resp: 26512

Ion Ratio Lower Upper

146 100

111 106.2 22.9 68.8#

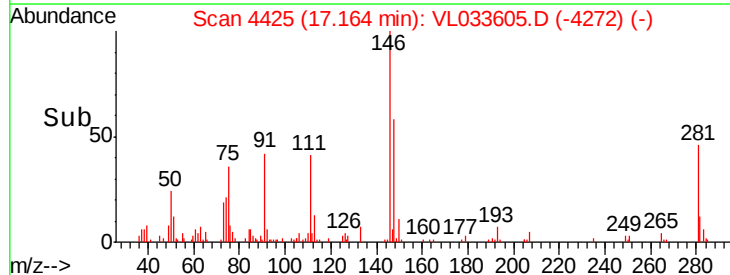
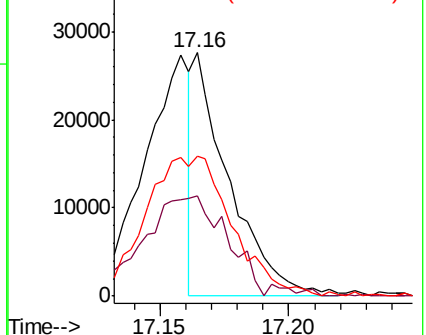
148 145.5 32.0 96.2#

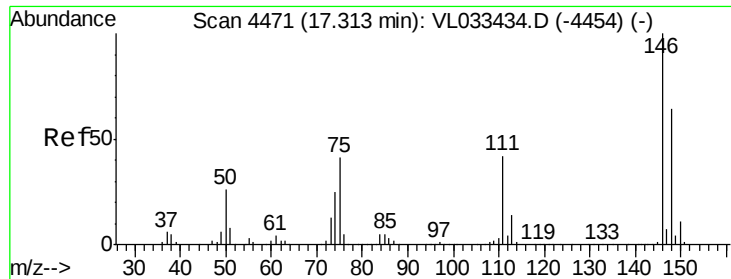


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

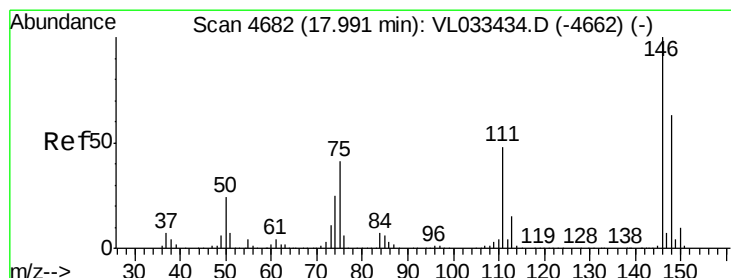
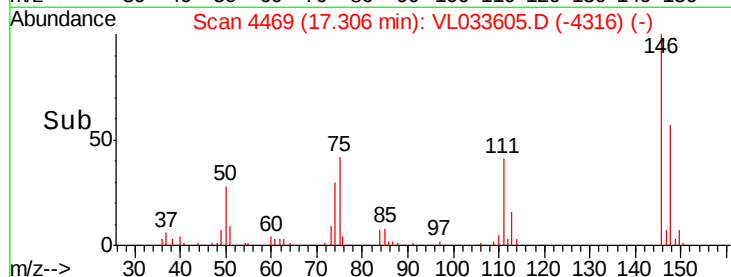
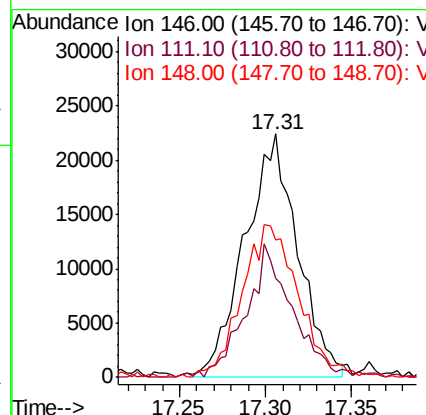
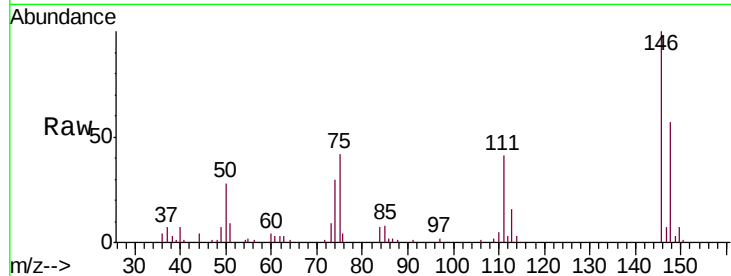




#76
 1,4-Dichlorobenzene
 Concen: 0.315 ppbv
 RT: 17.31 min Scan# 4469
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

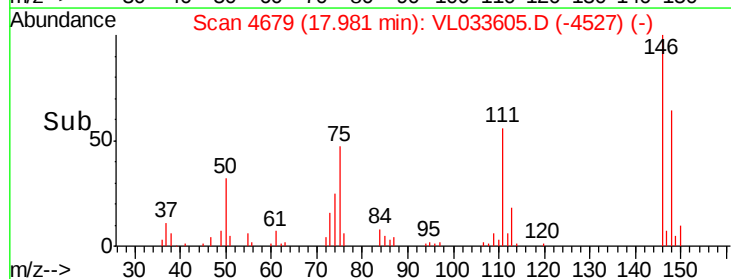
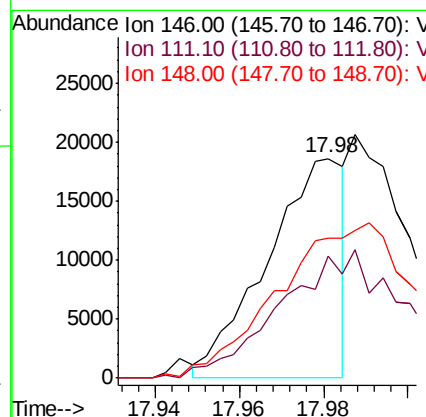
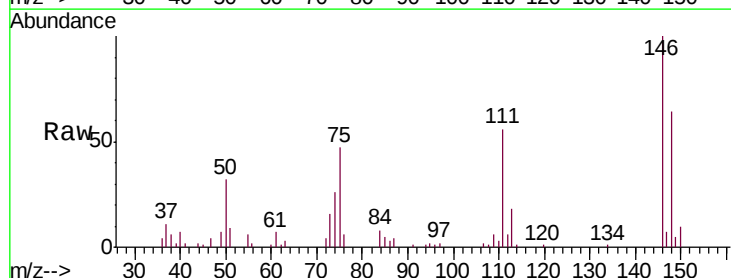
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT2-2019

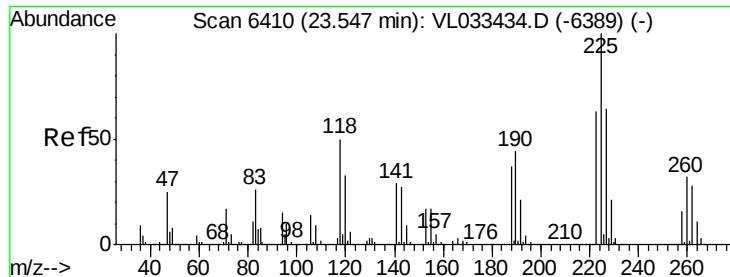
Tgt Ion:146 Resp: 47841
 Ion Ratio Lower Upper
 146 100
 111 49.0 21.7 65.1
 148 67.4 32.0 96.2



#77
 1,2-Dichlorobenzene
 Concen: 0.160 ppbv
 RT: 17.98 min Scan# 4679
 Delta R.T. -0.01 min
 Lab File: VL033605.D
 Acq: 17 Apr 2019 16:53

Tgt Ion:146 Resp: 23657
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.5 70.5#
 148 0.0 32.0 96.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.423 ppbv

RT: 23.54 min Scan# 6409

Delta R.T. -0.00 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT2-2019

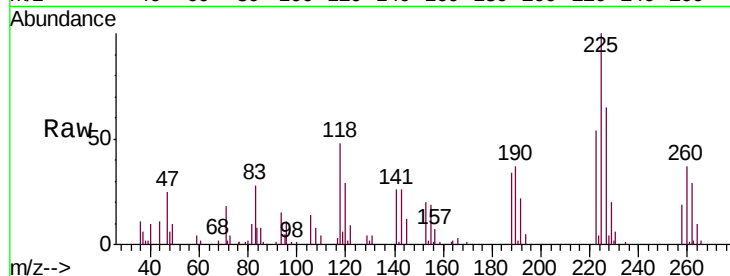
Tgt Ion:225 Resp: 41401

Ion Ratio Lower Upper

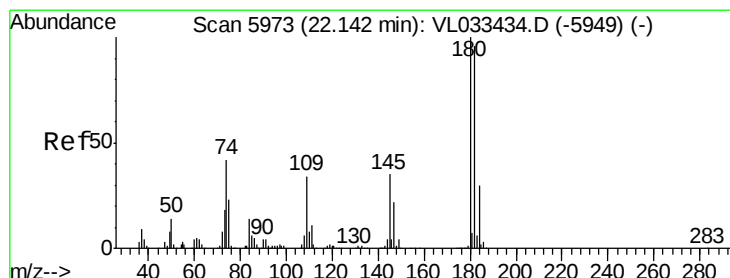
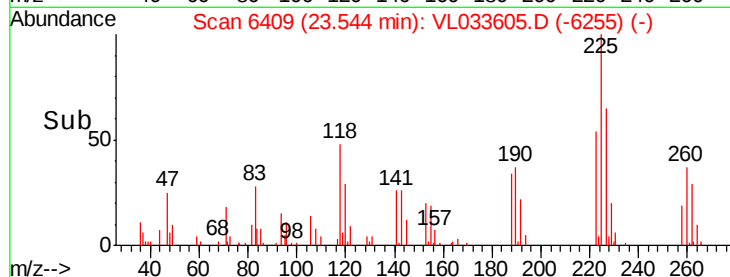
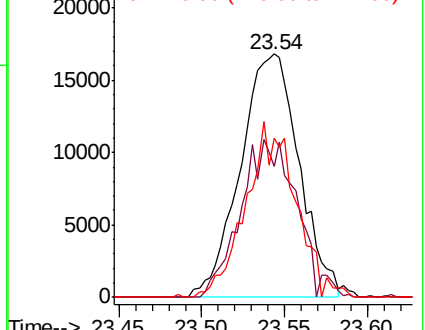
225 100

223 61.8 50.0 75.0

227 61.2 51.1 76.7



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V



#81

1,2,4-Trichlorobenzene

Concen: 0.147 ppbv

RT: 22.13 min Scan# 5970

Delta R.T. -0.01 min

Lab File: VL033605.D

Acq: 17 Apr 2019 16:53

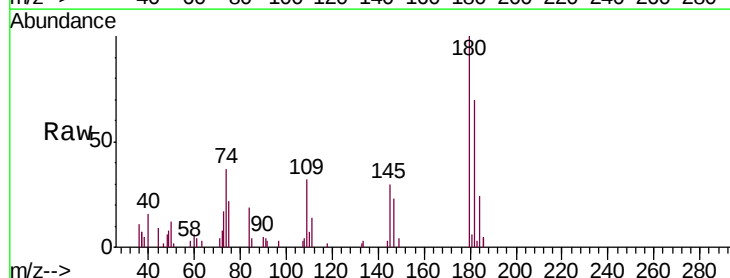
Tgt Ion:180 Resp: 17636

Ion Ratio Lower Upper

180 100

182 120.6 77.0 115.4#

184 30.4 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

