

Data File : VL034014.D
Acq On : 8 Jul 2019 16:40
Operator : SY/AP
Sample : K3591-15 0.4 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Quant Time: Jul 09 03:49:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	969073	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.25	114	2714373	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2502331	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2095854	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.06	85	114807	0.574	ppbv 93
3) Chlorodifluoromethane	3.00	51	53766	0.449	ppbv 100
4) Chloromethane	3.15	50	30416	0.442	ppbv # 85
5) Vinyl Chloride	3.27	62	32126	0.415	ppbv 97
6) Bromomethane	3.49	94	21910	0.480	ppbv # 77
7) Chloroethane	3.58	64	13441	0.486	ppbv 96
8) Dichlorotetrafluoroethane	3.20	85	90098	0.462	ppbv 94
9) Propene	3.02	41	15202	0.345	ppbv 97
10) Heptane	8.20	43	14671	0.133	ppbv # 23
11) Trichlorofluoromethane	3.98	101	98521	0.438	ppbv 93
12) 1,1,2-Trichlorotrifluoroet	4.53	101	66630	0.419	ppbv 93
13) Ethanol	3.63	45	1195	0.087	ppbv # 1
14) Bromoethene	3.76	108	25492	0.429	ppbv 93
15) Acetone	3.89	43	71944	0.442	ppbv 94
16) 1,3-Butadiene	3.34	39	24207	0.421	ppbv 93
18) 1,1-Dichloroethene	4.32	96	18231	0.257	ppbv 95
20) Methylene Chloride	4.38	84	28734	0.404	ppbv 95
21) Allyl Chloride	4.44	41	17285	0.170	ppbv # 19
22) trans-1,2-Dichloroethene	4.93	96	30575	0.453	ppbv 89
23) Vinyl Acetate	5.13	43	58708	0.361	ppbv # 89
24) 1,1-Dichloroethane	5.06	63	42514	0.295	ppbv 98
25) Ethyl Acetate	5.74	43	86863	0.390	ppbv 96
26) Hexane	5.74	57	22356	0.219	ppbv # 1
27) Carbon Disulfide	4.60	76	61130	0.353	ppbv # 81
28) Methyl tert-Butyl Ether	5.09	73	62879	0.364	ppbv 91
29) Chloroform	5.81	83	81976	0.428	ppbv 89
30) Cyclohexane	7.21	84	8998	0.114	ppbv # 1
31) cis-1,2-Dichloroethene	5.61	61	33911	0.344	ppbv 94
32) 1,1,1-Trichloroethane	6.58	97	77217	0.398	ppbv 93
34) 2-Butanone	5.31	43	24857	0.173	ppbv # 52
35) Carbon Tetrachloride	7.09	117	86718	0.404	ppbv # 96
36) Benzene	6.96	78	42824	0.202	ppbv 97
37) 1,2-Dichloroethane	6.37	62	62184	0.397	ppbv 97
38) Trichloroethene	7.93	130	24088	0.255	ppbv # 88
39) 1,2-Dichloropropane	7.70	63	25181	0.319	ppbv 92
42) Bromodichloromethane	7.87	83	82203	0.392	ppbv 98
43) Methyl Methacrylate	8.10	69	10540	0.131	ppbv # 1
44) 2,2,4-Trimethylpentane	7.95	57	97894	0.267	ppbv # 83
46) cis-1,3-Dichloropropene	8.79	75	13660	0.112	ppbv # 49
48) Dibromochloromethane	10.40	129	34383	0.181	ppbv # 25
49) Bromoform	13.14	173	10534	0.065	ppbv # 27

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Tetrachloroethene	11.34	164	10147	0.111	ppbv	96
53) Toluene	9.89	91	10824	0.045	ppbv #	21
54) 1,2-Dibromoethane	10.71	107	35241	0.240	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.24	131	31585	0.282	ppbv #	10
57) Chlorobenzene	12.25	112	41955	0.211	ppbv #	79
58) Ethyl Benzene	12.83	91	24890	0.083	ppbv	96
59) m/p-Xylene	13.10	91	36589	0.134	ppbv #	31
60) o-Xylene	13.80	91	57348	0.210	ppbv	73
61) Styrene	13.64	104	10336	0.057	ppbv #	1
62) Isopropylbenzene	14.78	105	117734	0.281	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.79	83	18690	0.089	ppbv #	1
64) n-propylbenzene	15.68	120	16100	0.148	ppbv #	1
65) tert-Butylbenzene	16.86	119	40936	0.115	ppbv #	11
66) Benzyl Chloride	17.11	91	28539	0.157	ppbv #	57
67) sec-Butylbenzene	17.42	105	161276	0.322	ppbv	98
69) p-Isopropyltoluene	17.77	119	112445	0.273	ppbv	95
70) n-Butylbenzene	18.67	91	64940	0.150	ppbv #	34
71) 2-Chlorotoluene	15.56	91	31021	0.101	ppbv #	44
72) 4-Ethyltoluene	15.96	105	54184	0.155	ppbv #	52
73) 1,3,5-Trimethylbenzene	16.11	105	54750	0.168	ppbv	100
74) 1,2,4-Trimethylbenzene	16.88	105	122838	0.341	ppbv #	87
75) 1,3-Dichlorobenzene	17.12	146	99329	0.433	ppbv	99
76) 1,4-Dichlorobenzene	17.26	146	67655	0.313	ppbv	85
77) 1,2-Dichlorobenzene	17.94	146	40371	0.190	ppbv #	23
79) Naphthalene	22.33	128	9421	0.031	ppbv	96
80) Naphthalene,2-methyl-	25.09	142	28281	0.256	ppbv	95
81) 1,2,4-Trichlorobenzene	22.08	180	36760	0.189	ppbv #	44

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

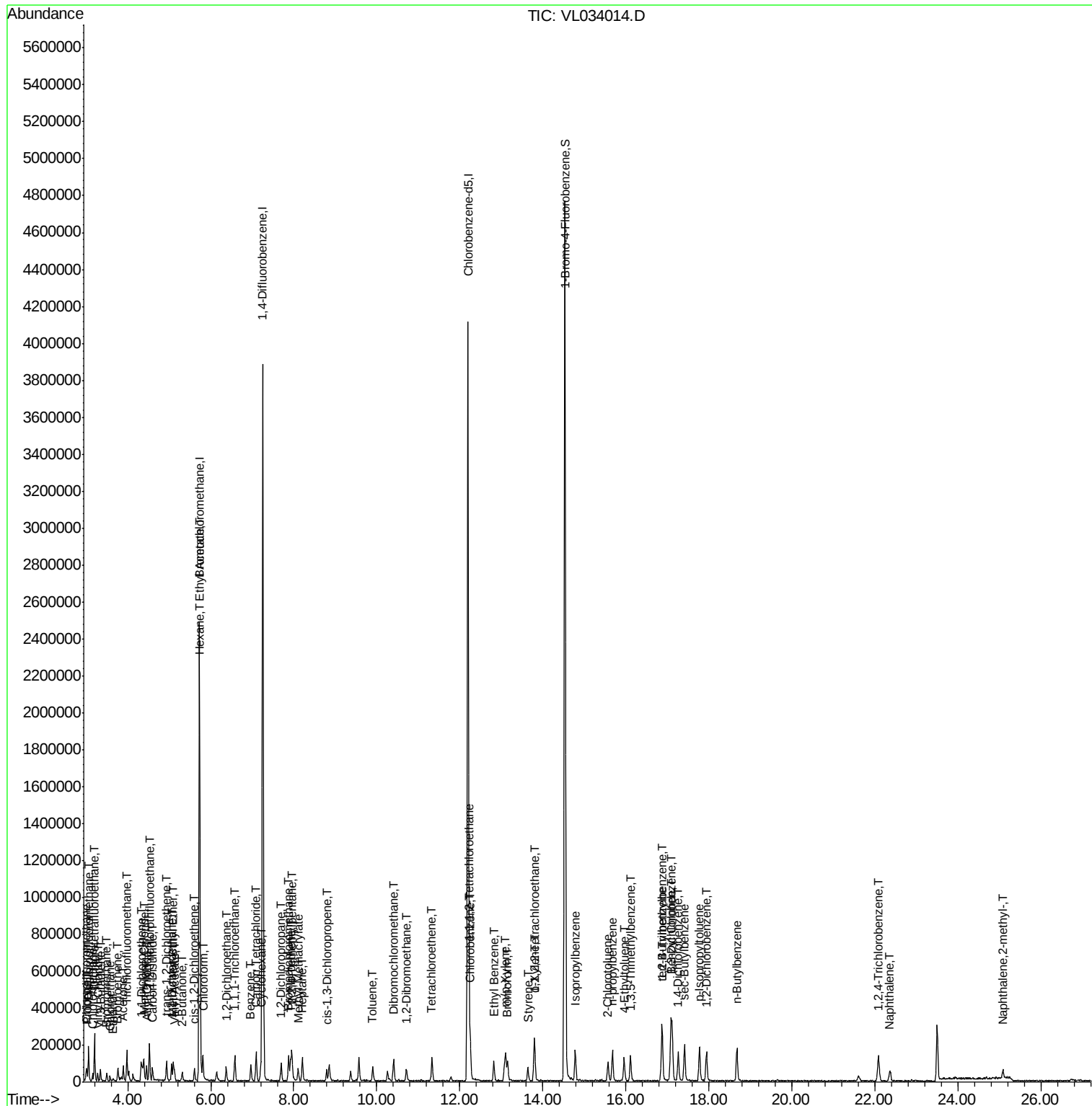
Data File : VL034014.D

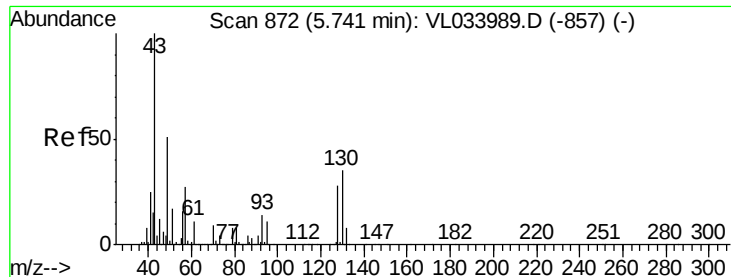
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 868

Delta R.T. -0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

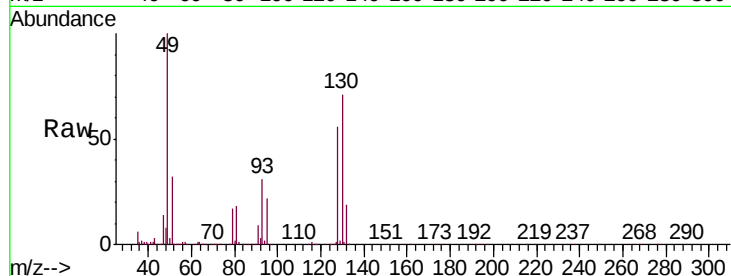
Tgt Ion: 49 Resp: 969073

Ion Ratio Lower Upper

49 100

128 58.8 27.9 83.6

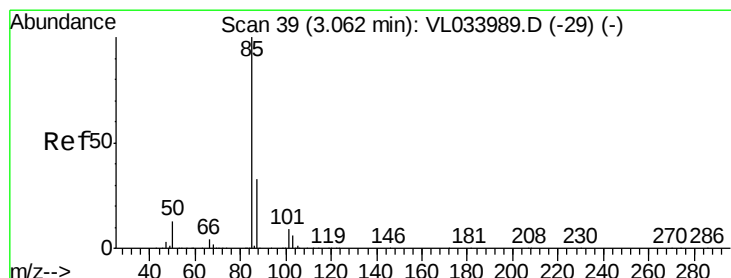
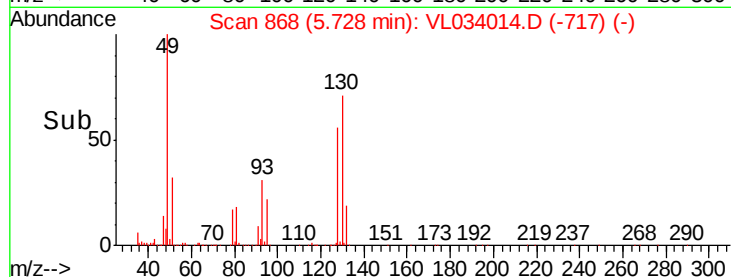
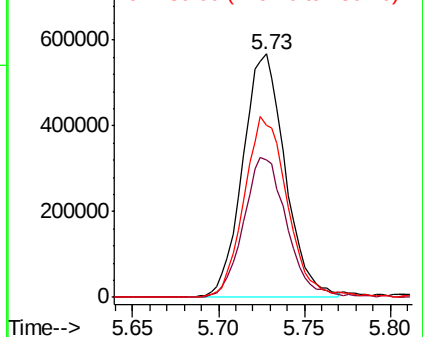
130 76.8 35.8 107.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.574 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL034014.D

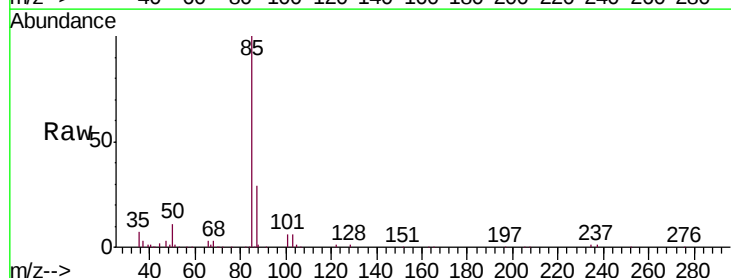
Acq: 8 Jul 2019 16:40

Tgt Ion: 85 Resp: 114807

Ion Ratio Lower Upper

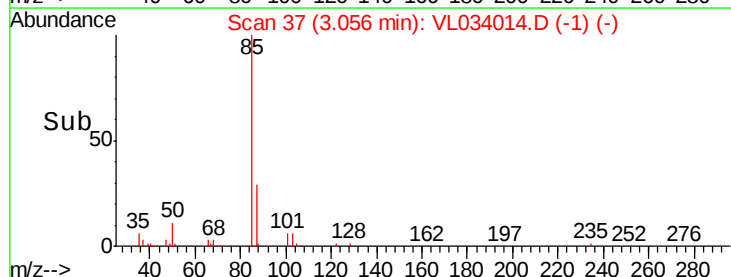
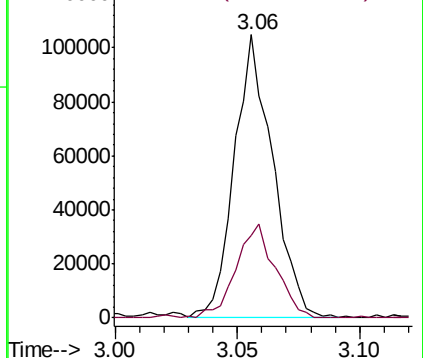
85 100

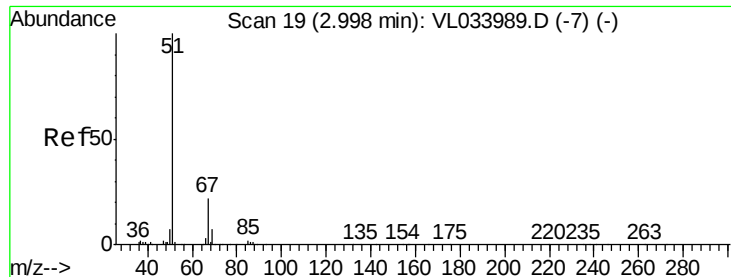
87 28.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.449 ppbv

RT: 3.00 min Scan# 19

Delta R.T. -0.00 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

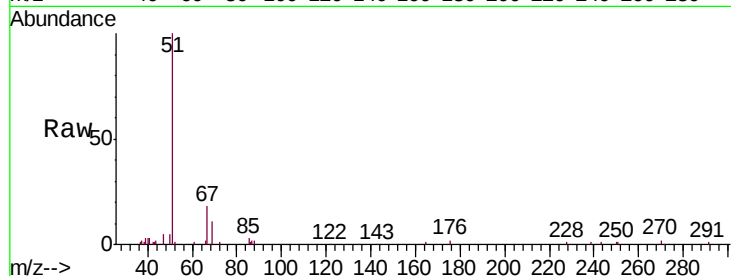
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 51 Resp: 53766

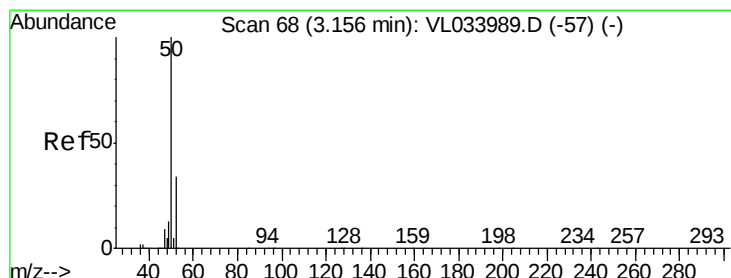
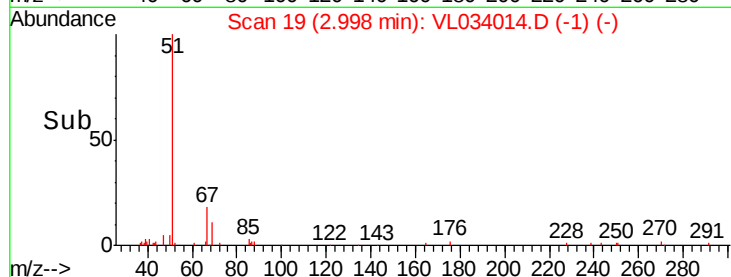
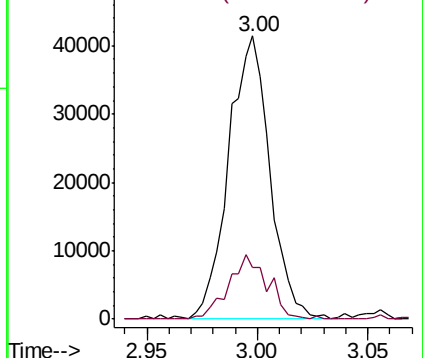
Ion Ratio Lower Upper

51 100

67 21.6 17.3 25.9



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.442 ppbv

RT: 3.15 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL034014.D

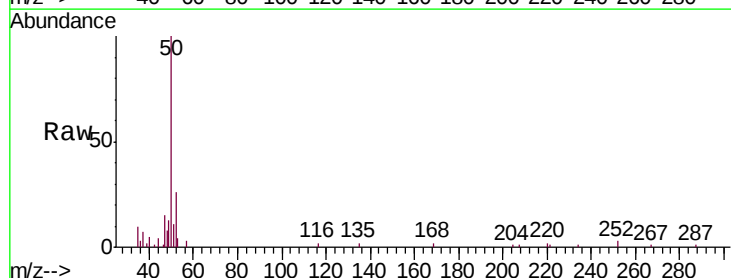
Acq: 8 Jul 2019 16:40

Tgt Ion: 50 Resp: 30416

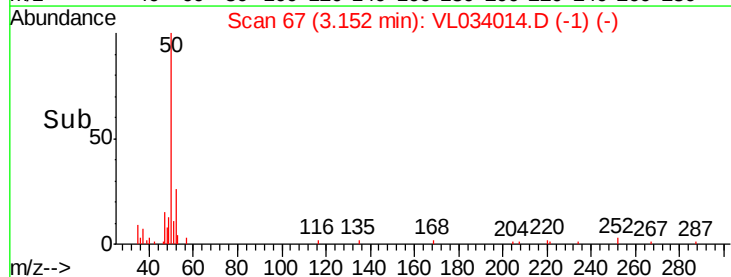
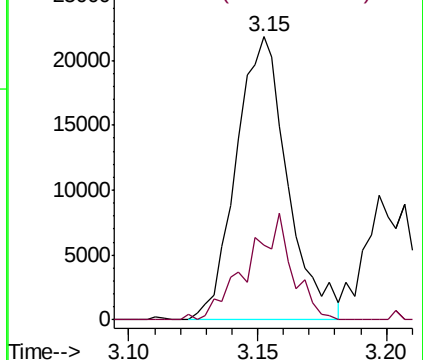
Ion Ratio Lower Upper

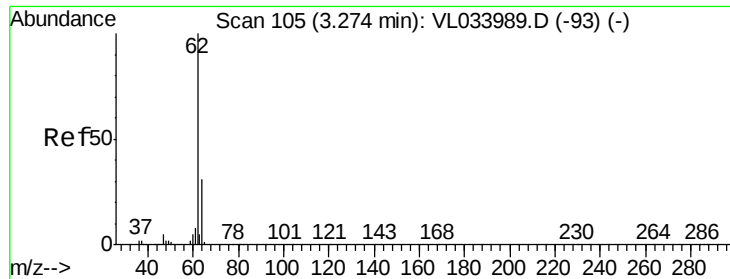
50 100

52 25.7 27.4 41.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.415 ppbv

RT: 3.27 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

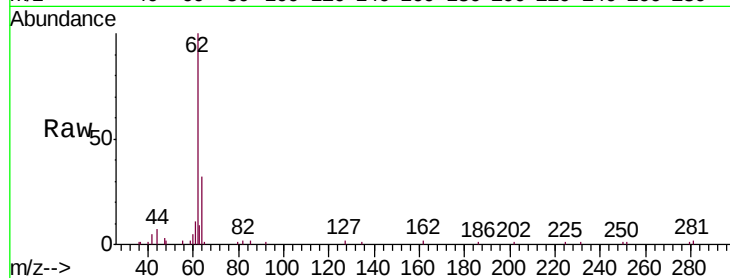
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 62 Resp: 32126

Ion Ratio Lower Upper

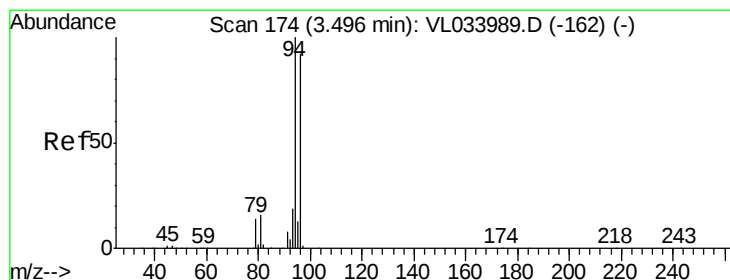
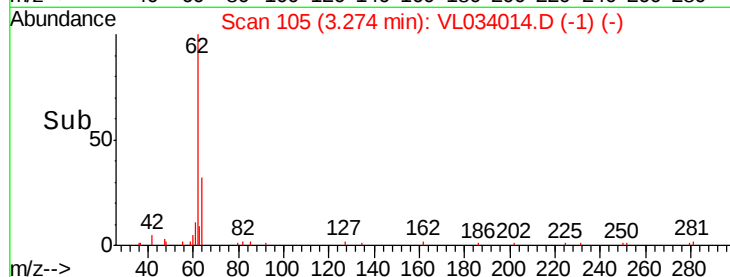
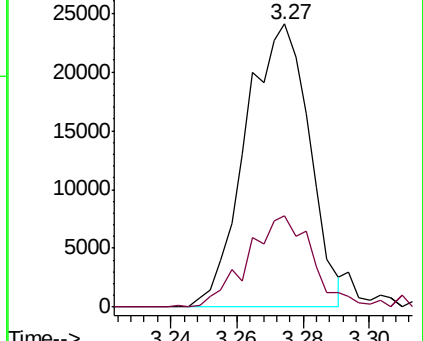
62 100

64 32.3 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.480 ppbv

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034014.D

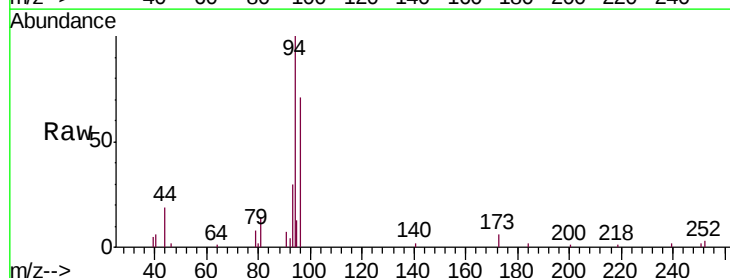
Acq: 8 Jul 2019 16:40

Tgt Ion: 94 Resp: 21910

Ion Ratio Lower Upper

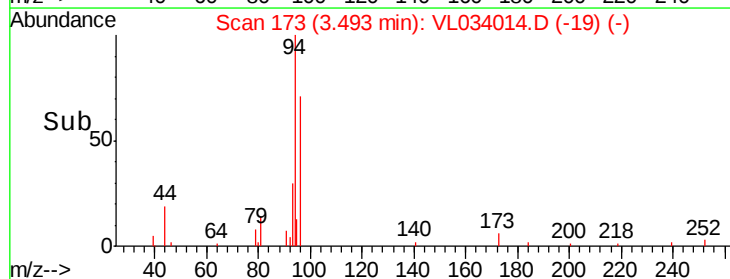
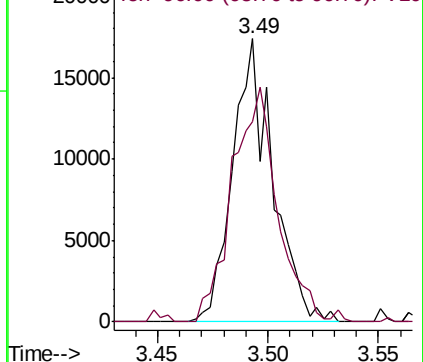
94 100

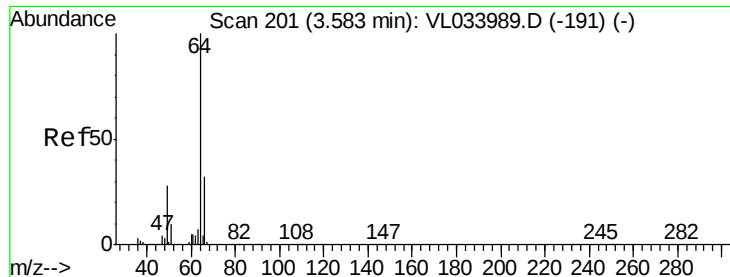
96 70.7 73.8 110.8#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.486 ppbv

RT: 3.58 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

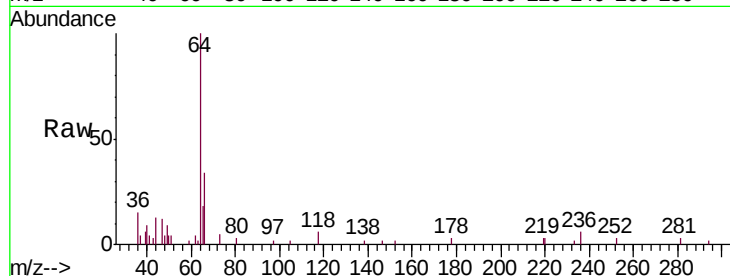
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 64 Resp: 13441

Ion Ratio Lower Upper

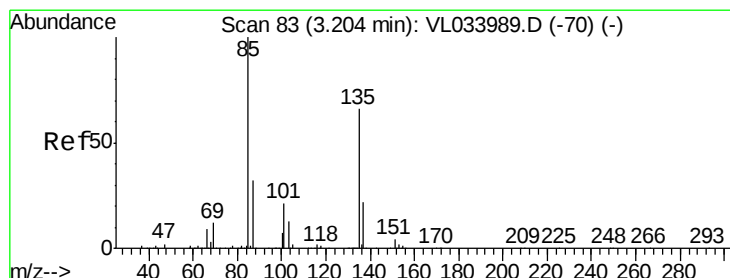
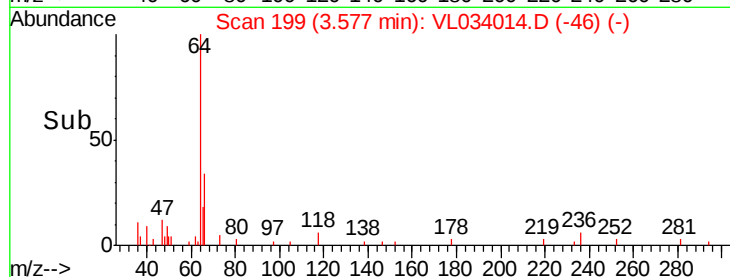
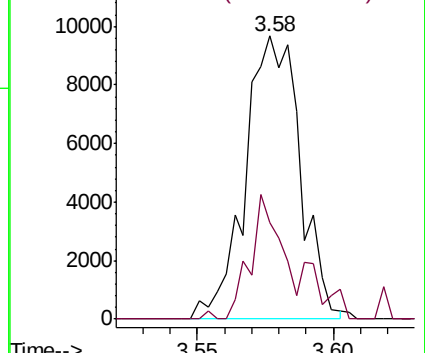
64 100

66 33.9 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.462 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL034014.D

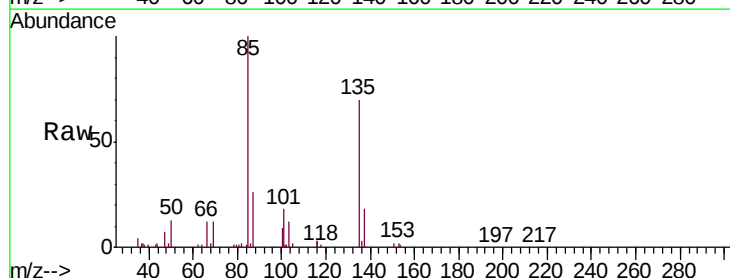
Acq: 8 Jul 2019 16:40

Tgt Ion: 85 Resp: 90098

Ion Ratio Lower Upper

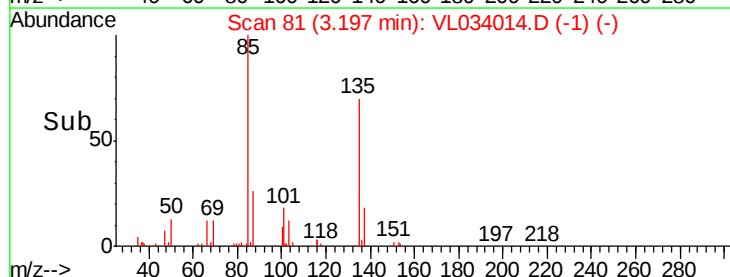
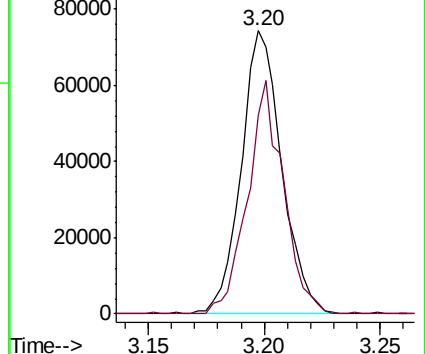
85 100

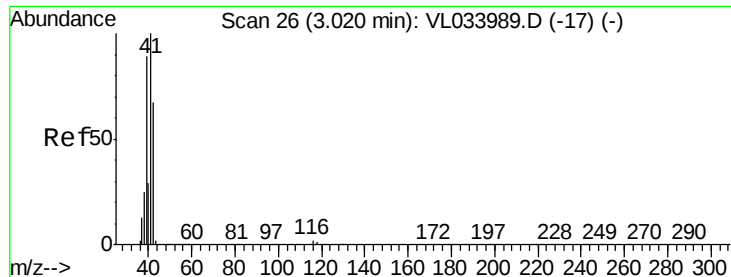
135 73.7 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.345 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL034014.D

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ClientSampleId :

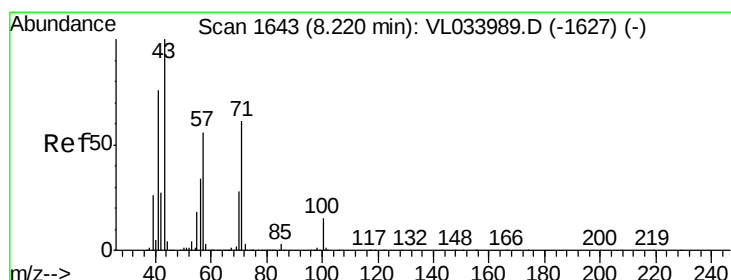
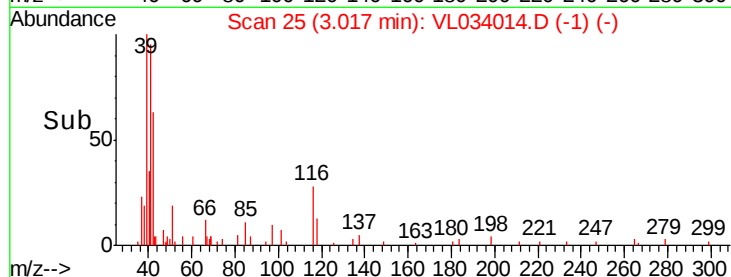
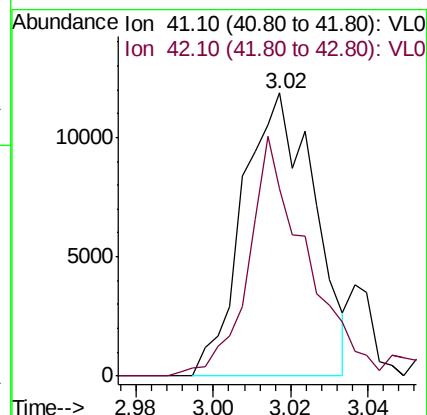
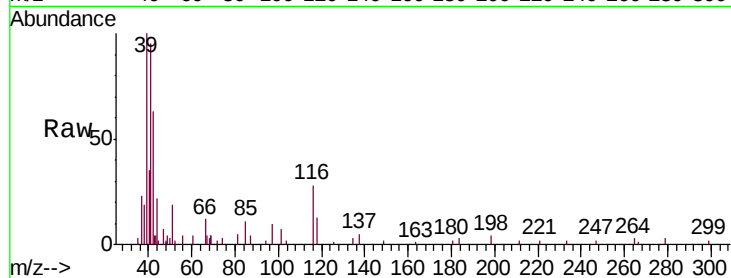
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 41 Resp: 15202

Ion Ratio Lower Upper

41 100

42 73.7 57.1 85.7



#10

Heptane

Concen: 0.133 ppbv

RT: 8.20 min Scan# 1637

Delta R.T. -0.02 min

Lab File: VL034014.D

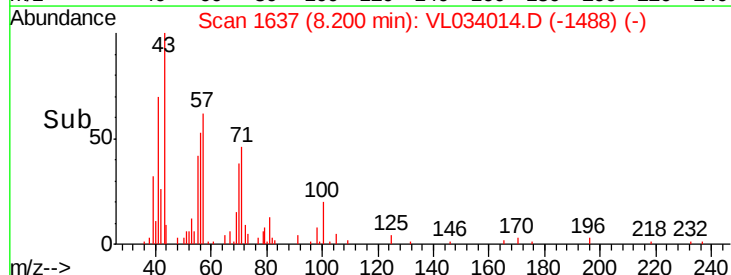
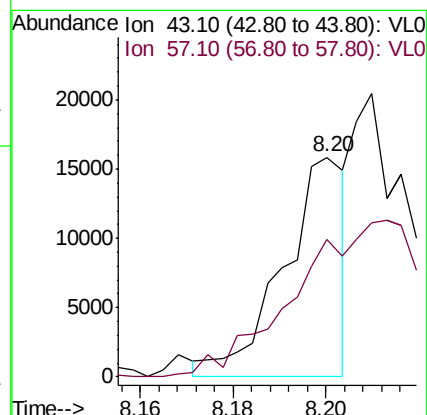
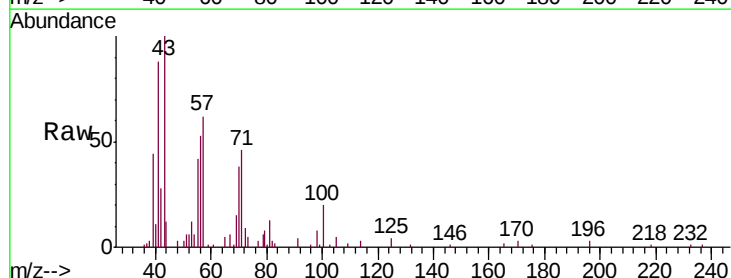
Acq: 8 Jul 2019 16:40

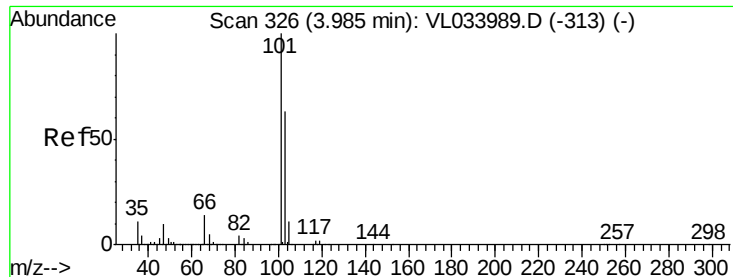
Tgt Ion: 43 Resp: 14671

Ion Ratio Lower Upper

43 100

57 0.0 44.6 66.8#

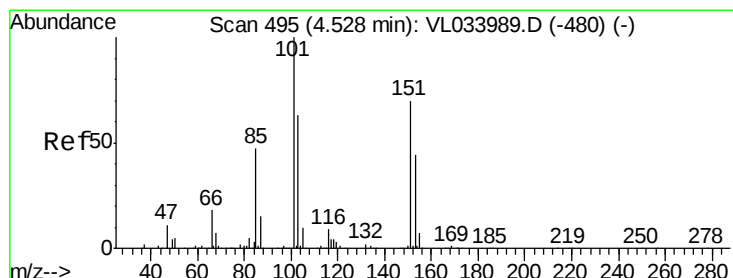
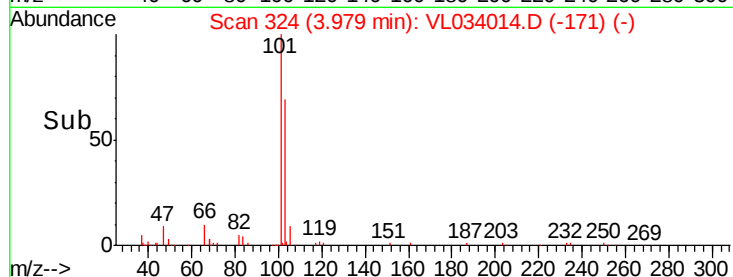
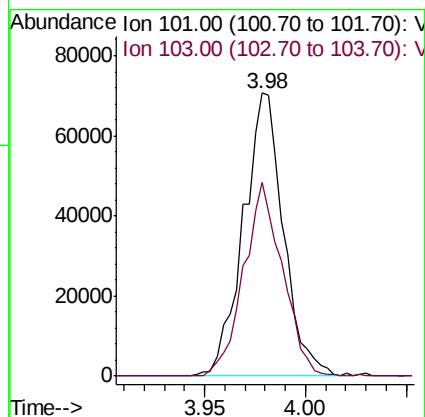
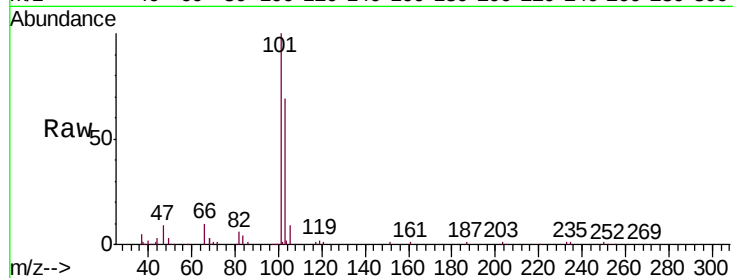




#11
 Trichlorofluoromethane
 Concen: 0.438 ppbv
 RT: 3.98 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

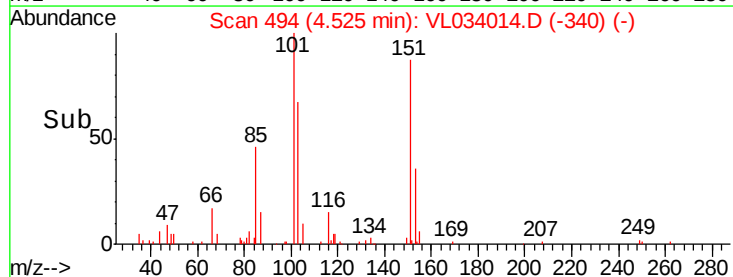
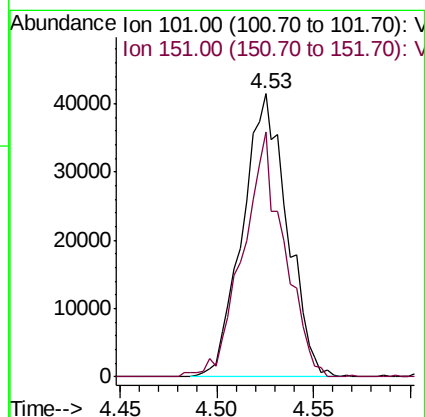
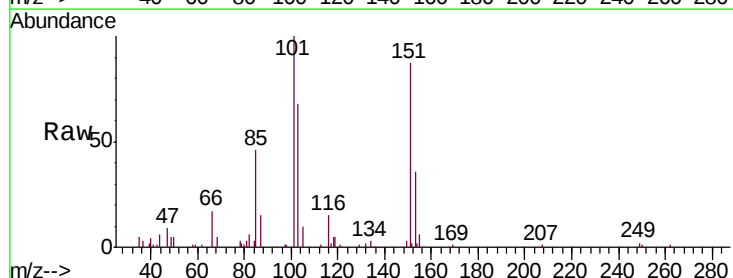
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT3-2019

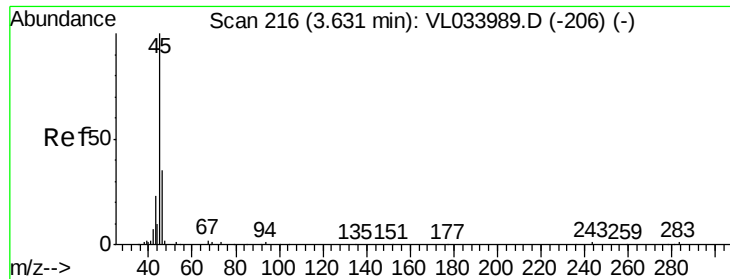
Tgt Ion:101 Resp: 98521
 Ion Ratio Lower Upper
 101 100
 103 68.7 50.8 76.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.419 ppbv
 RT: 4.53 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

Tgt Ion:101 Resp: 66630
 Ion Ratio Lower Upper
 101 100
 151 79.7 59.0 88.4

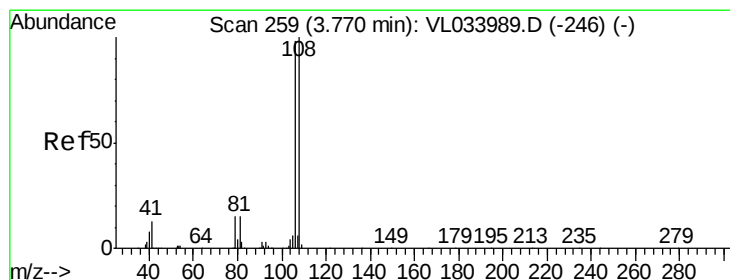
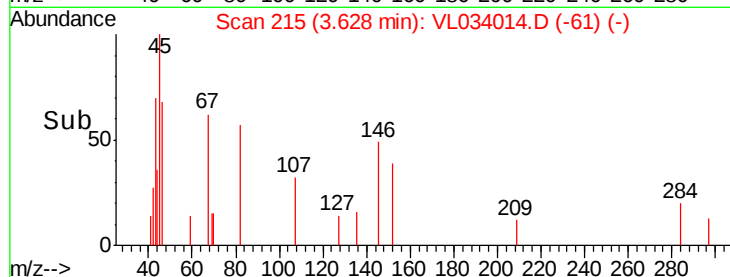
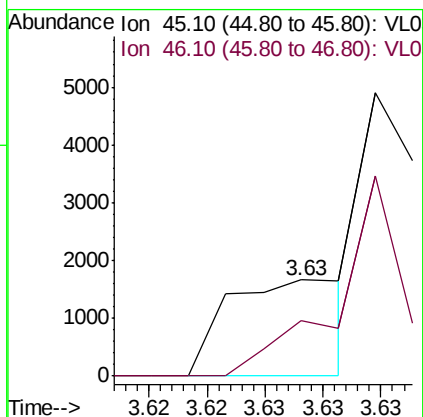
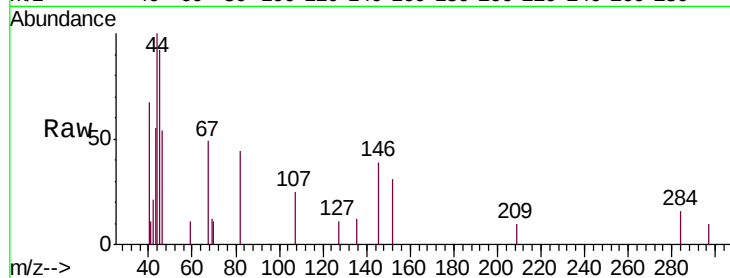




#13
Ethanol
Concen: 0.087 ppbv
RT: 3.63 min Scan# 215
Delta R.T. -0.00 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

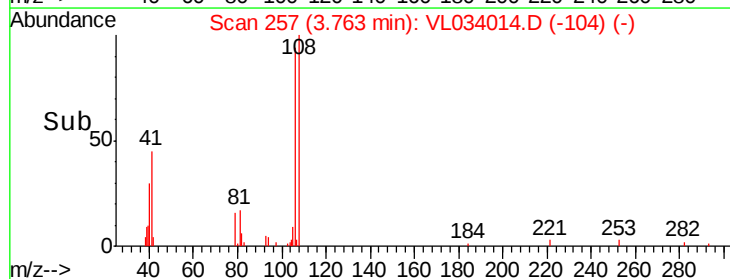
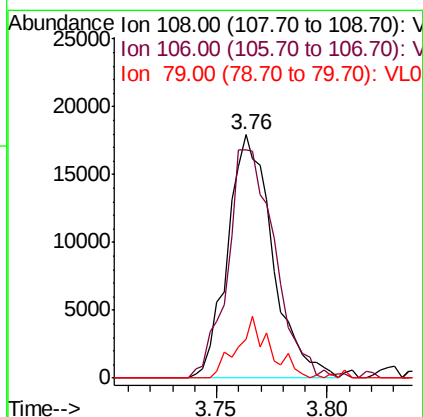
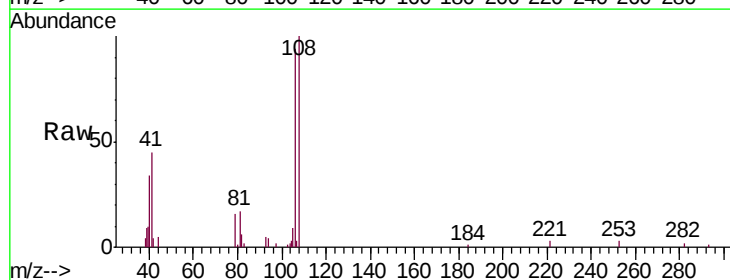
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

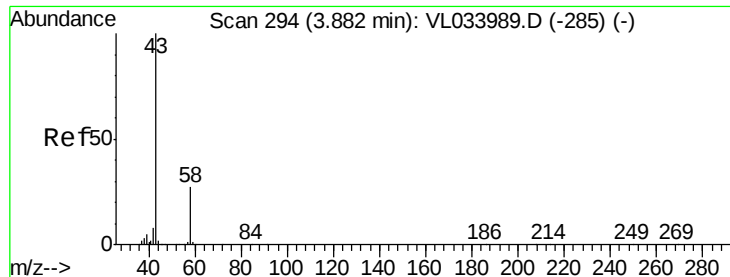
Tgt Ion: 45 Resp: 1195
Ion Ratio Lower Upper
45 100
46 319.0 16.2 64.6#



#14
Bromoethene
Concen: 0.429 ppbv
RT: 3.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

Tgt Ion: 108 Resp: 25492
Ion Ratio Lower Upper
108 100
106 98.9 85.6 128.4
79 19.3 14.0 21.0





#15

Acetone

Concen: 0.442 ppbv

RT: 3.89 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

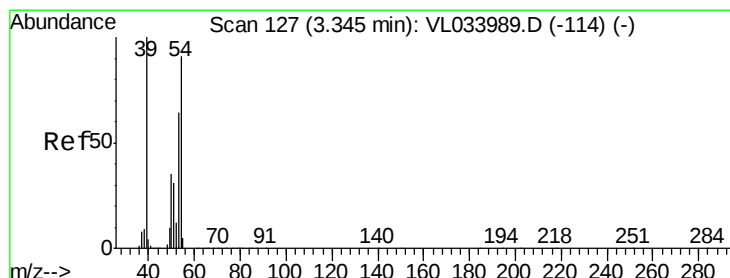
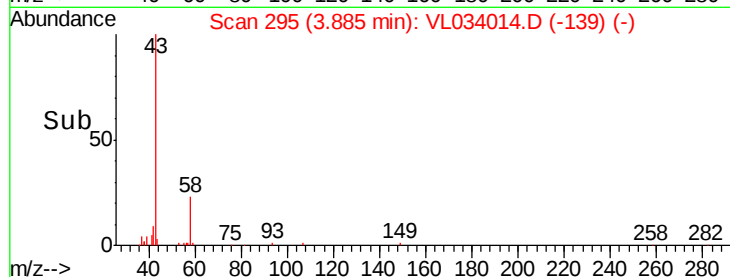
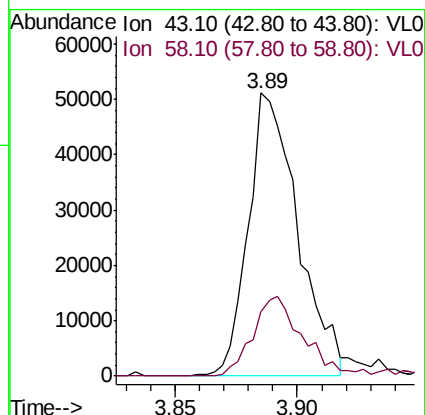
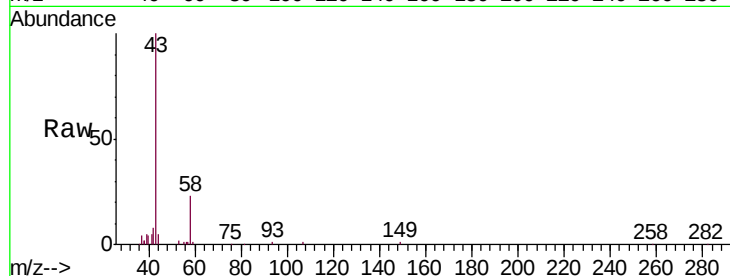
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 43 Resp: 71944

Ion Ratio Lower Upper

43 100

58 30.0 21.4 32.0



#16

1,3-Butadiene

Concen: 0.421 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL034014.D

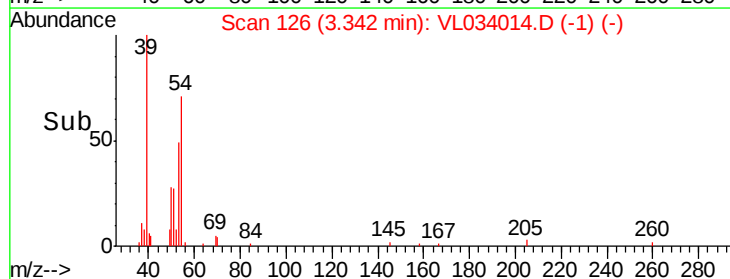
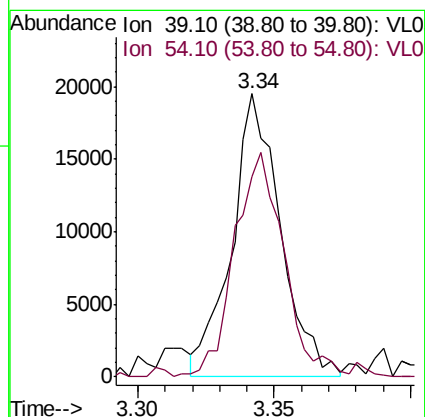
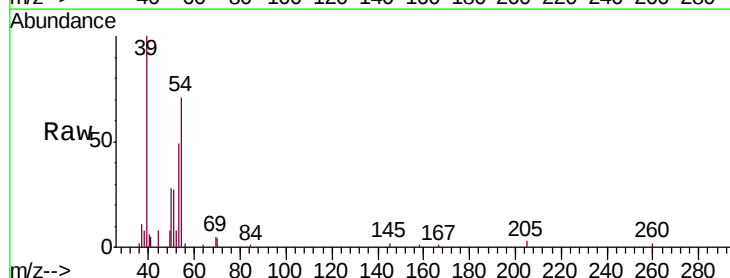
Acq: 8 Jul 2019 16:40

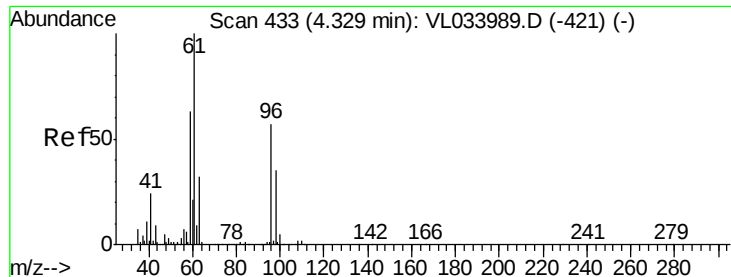
Tgt Ion: 39 Resp: 24207

Ion Ratio Lower Upper

39 100

54 83.1 71.4 107.2

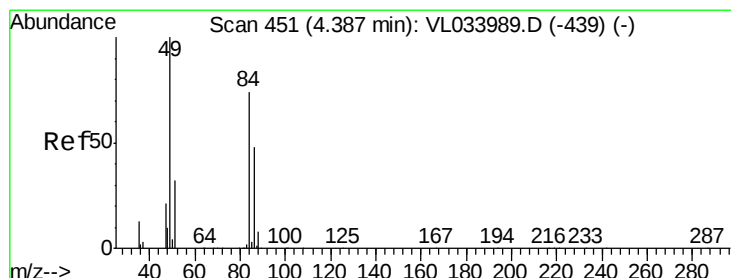
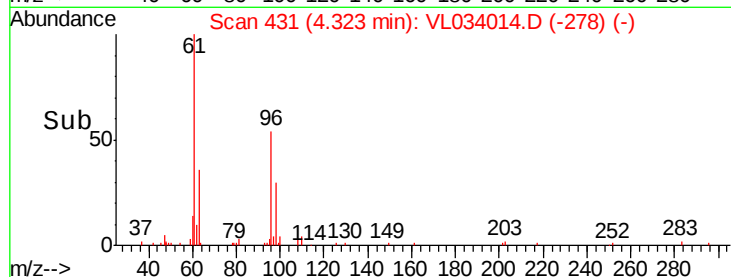
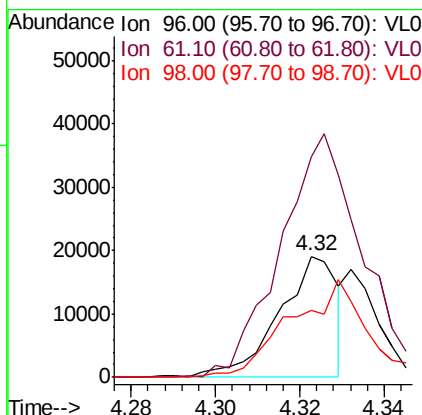
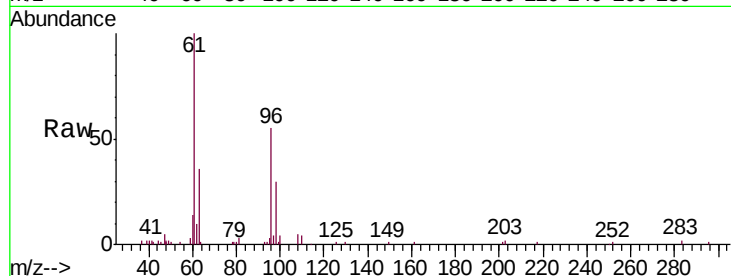




#18
 1,1-Dichloroethene
 Concen: 0.257 ppbv
 RT: 4.32 min Scan# 431
 Delta R.T. -0.01 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

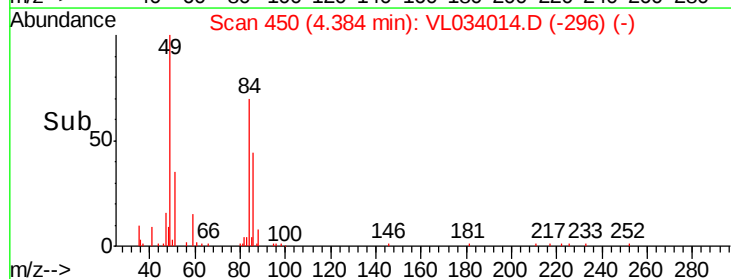
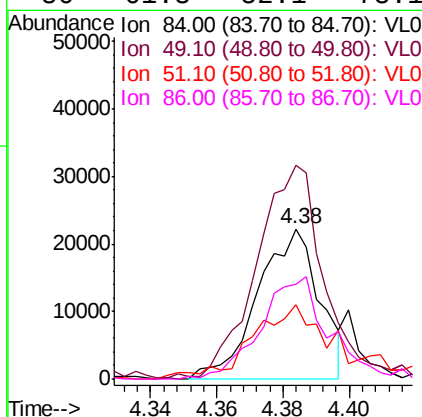
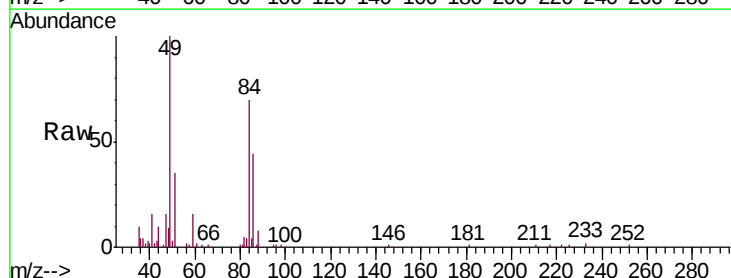
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT3-2019

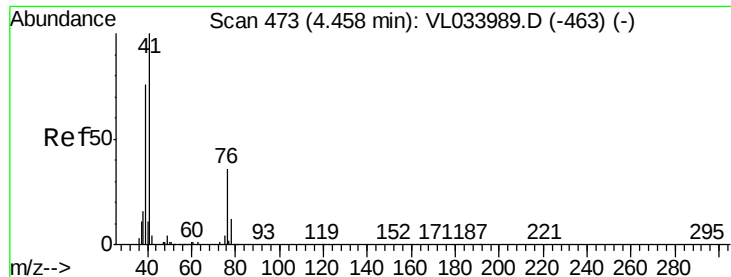
Tgt Ion: 96 Resp: 18231
 Ion Ratio Lower Upper
 96 100
 61 180.3 139.4 209.0
 98 55.4 49.4 74.0



#20
 Methylene Chloride
 Concen: 0.404 ppbv
 RT: 4.38 min Scan# 450
 Delta R.T. -0.00 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

Tgt Ion: 84 Resp: 28734
 Ion Ratio Lower Upper
 84 100
 49 140.7 107.6 161.4
 51 45.2 35.0 52.6
 86 61.3 52.1 78.1





#21

Allyl Chloride

Concen: 0.170 ppbv

RT: 4.44 min Scan# 469

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

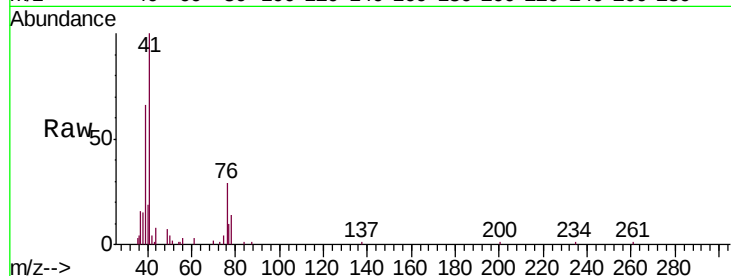
Tgt Ion: 41 Resp: 17285

Ion Ratio Lower Upper

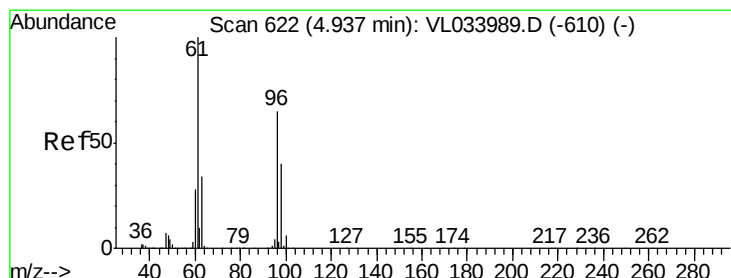
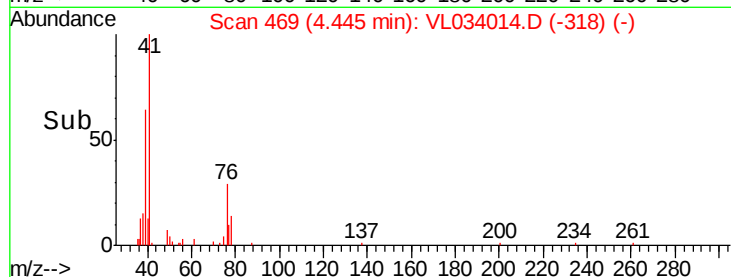
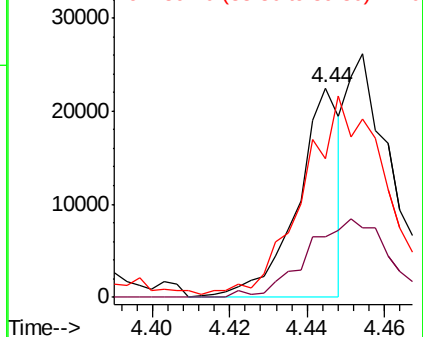
41 100

76 0.0 26.8 40.2#

39 0.0 63.1 94.7#



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: 0.453 ppbv

RT: 4.93 min Scan# 621

Delta R.T. -0.00 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

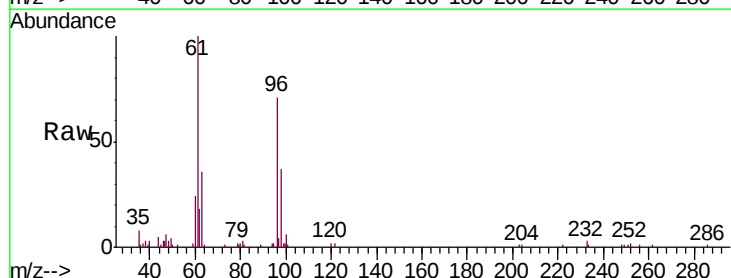
Tgt Ion: 96 Resp: 30575

Ion Ratio Lower Upper

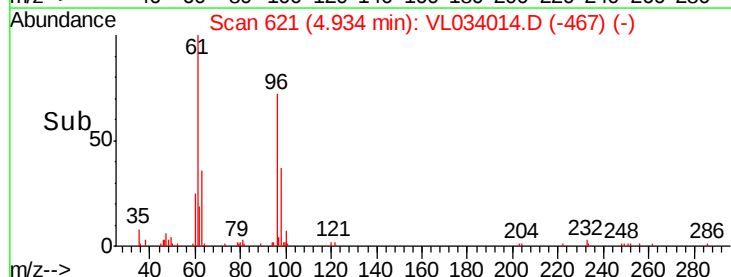
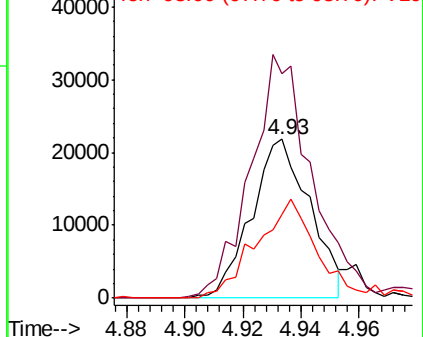
96 100

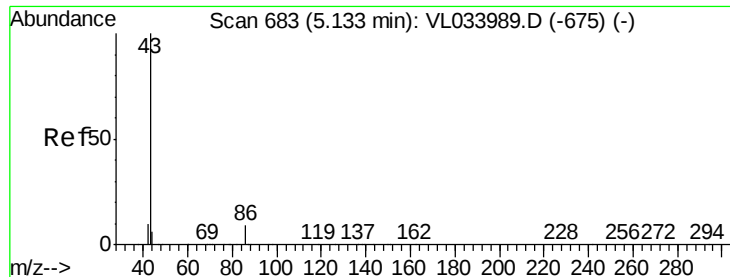
61 139.8 122.9 184.3

98 52.2 49.6 74.4



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: 0.361 ppbv

RT: 5.13 min Scan# 681

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 43 Resp: 58708

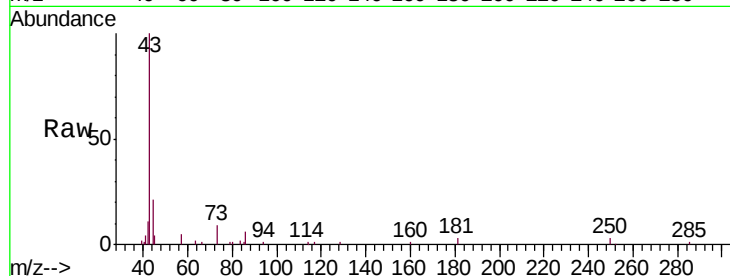
Ion Ratio Lower Upper

43 100

86 6.4 6.6 9.8#

42 9.6 8.3 12.5

44 18.1 4.3 6.5#

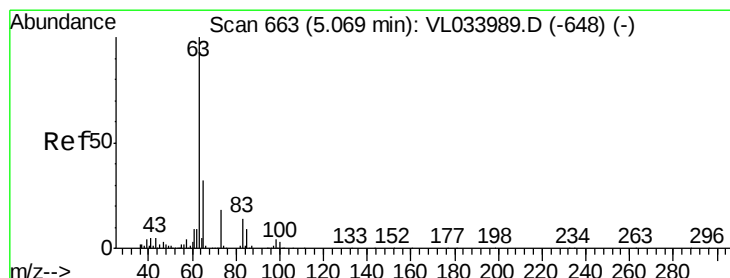
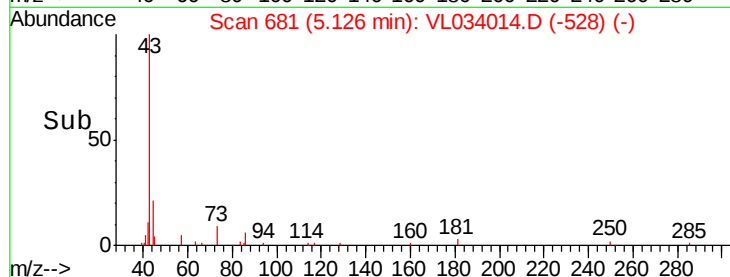
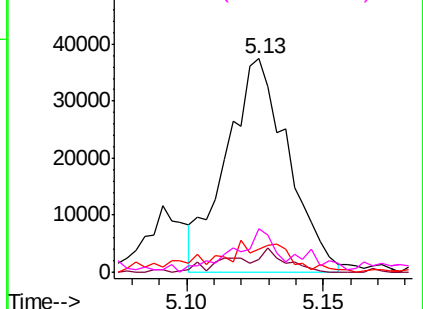


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.295 ppbv

RT: 5.06 min Scan# 659

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

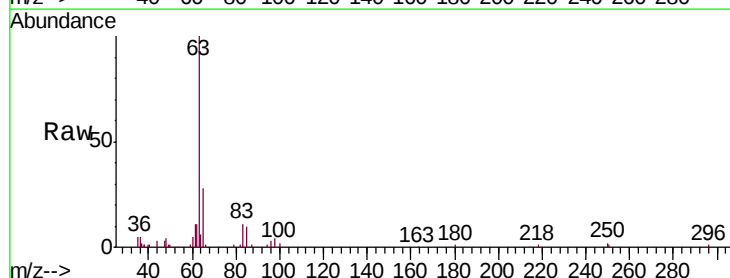
Tgt Ion: 63 Resp: 42514

Ion Ratio Lower Upper

63 100

98 3.6 2.2 6.6

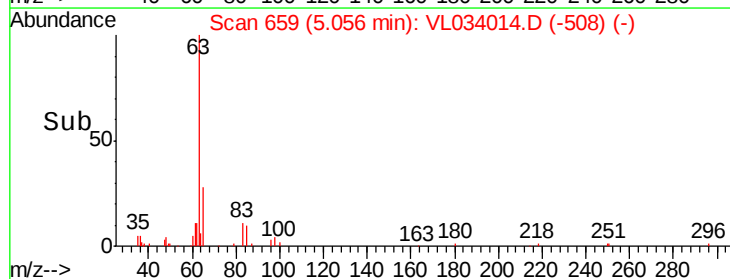
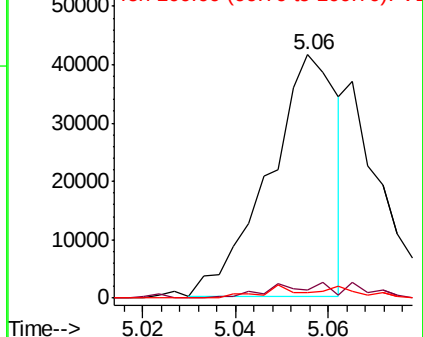
100 2.3 1.4 4.2

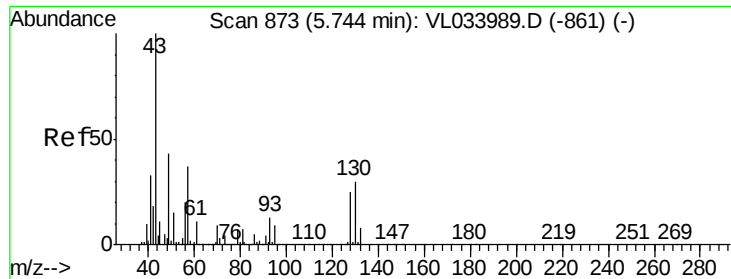


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.390 ppbv

RT: 5.74 min Scan# 872

Delta R.T. -0.00 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 43 Resp: 86863

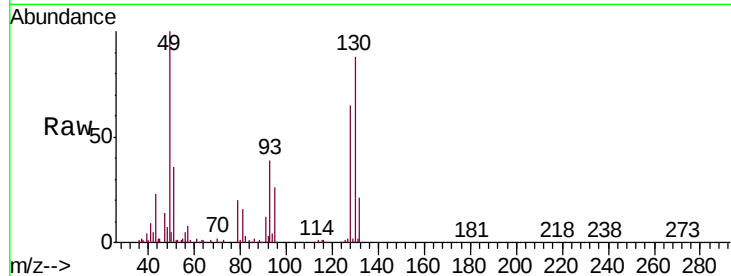
Ion Ratio Lower Upper

43 100

45 11.7 8.1 12.1

61 11.9 8.1 12.1

70 8.3 6.3 9.5

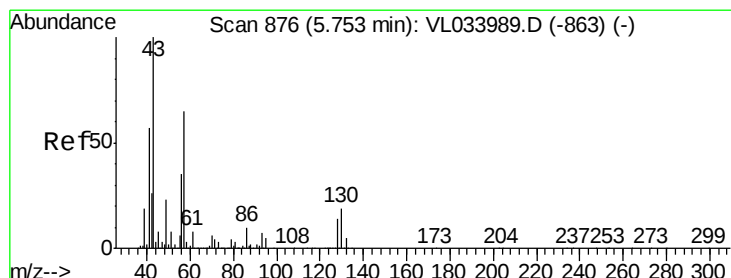
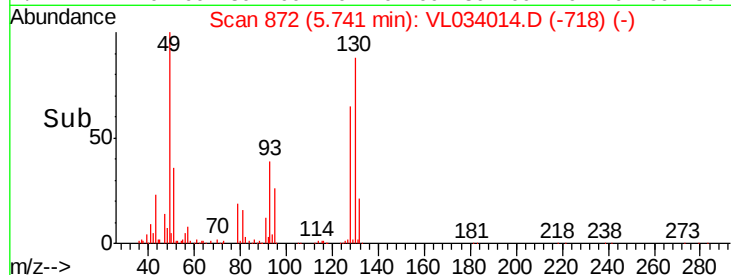
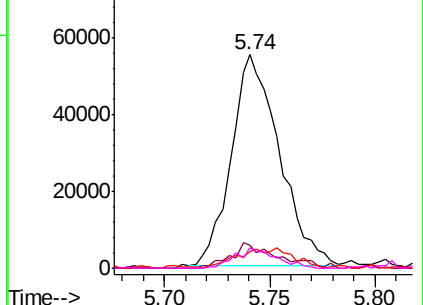


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.219 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Tgt Ion: 57 Resp: 22356

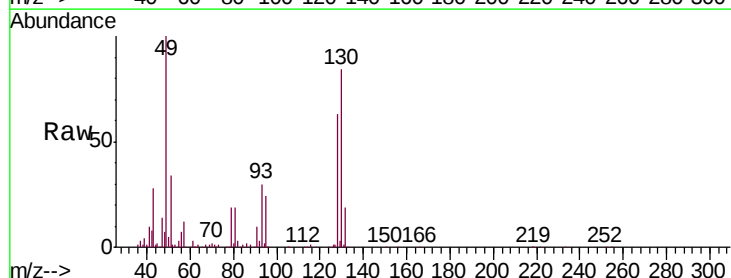
Ion Ratio Lower Upper

57 100

41 0.0 70.6 105.8#

43 406.2 177.6 266.4#

56 0.0 42.6 64.0#

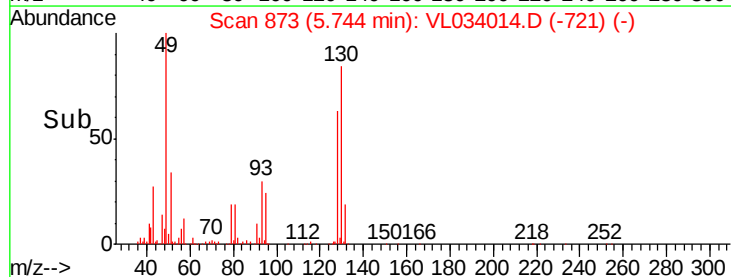
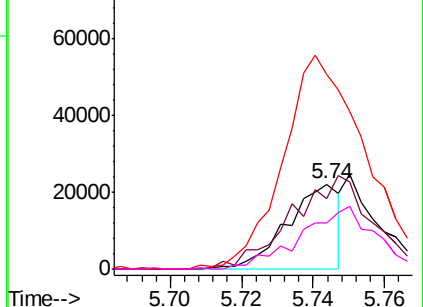


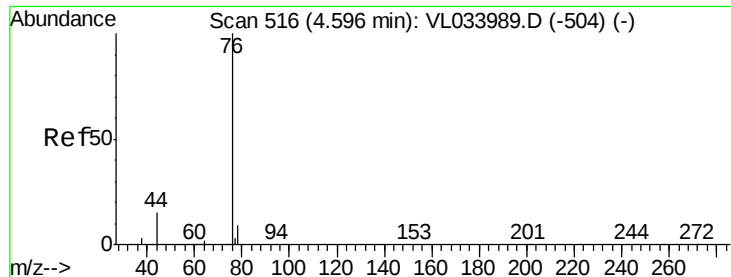
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.353 ppbv

RT: 4.60 min Scan# 516

Delta R.T. -0.00 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

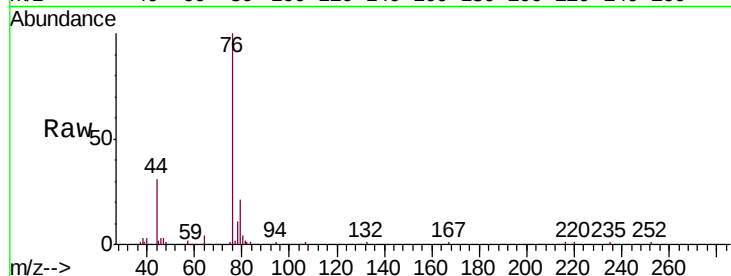
Tgt Ion: 76 Resp: 61130

Ion Ratio Lower Upper

76 100

44 27.7 12.6 18.8#

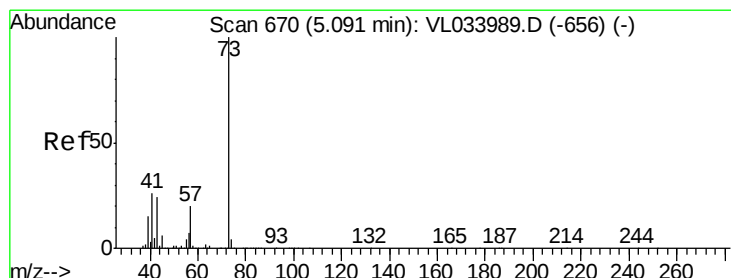
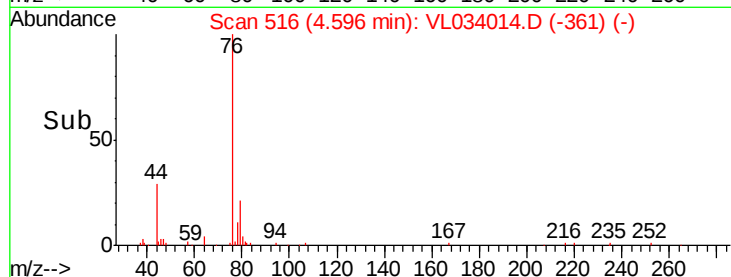
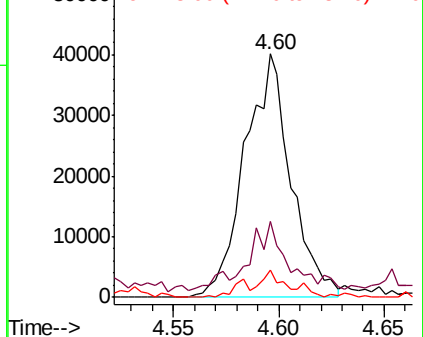
78 9.8 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.364 ppbv

RT: 5.09 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL034014.D

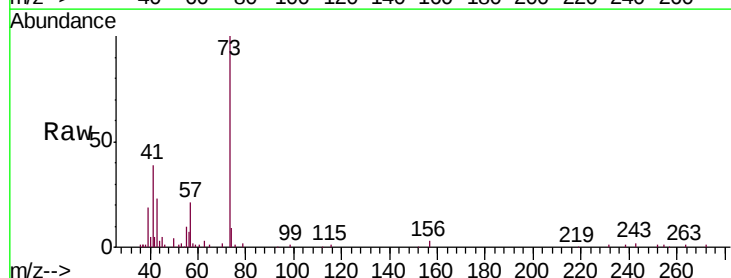
Acq: 8 Jul 2019 16:40

Tgt Ion: 73 Resp: 62879

Ion Ratio Lower Upper

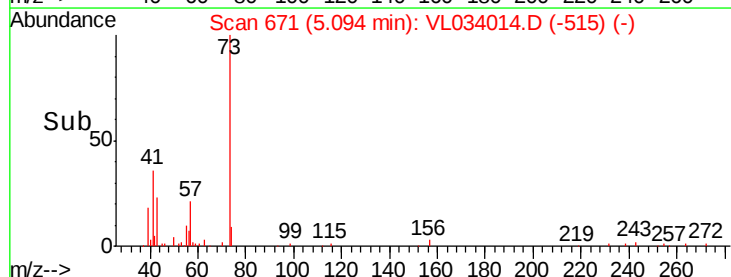
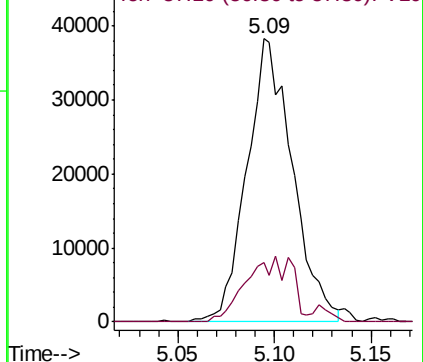
73 100

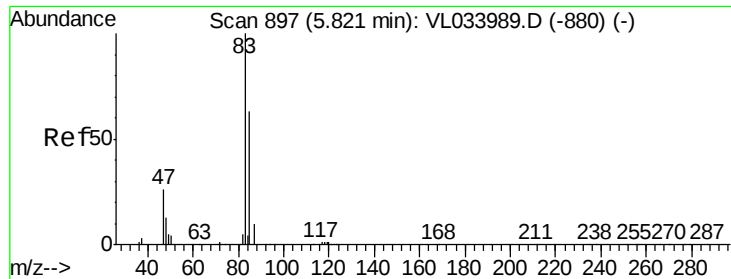
57 25.2 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.428 ppbv

RT: 5.81 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

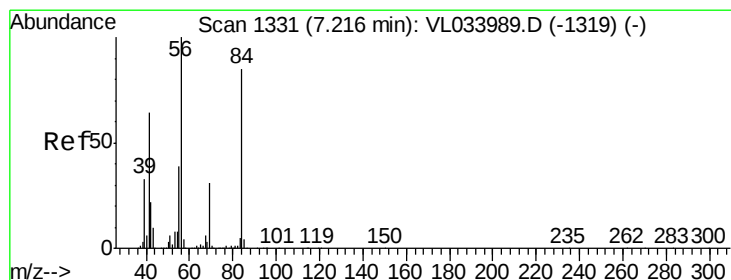
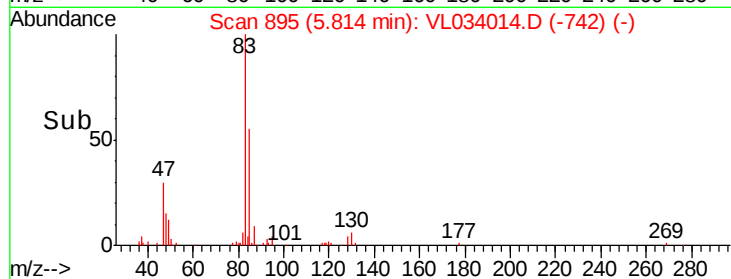
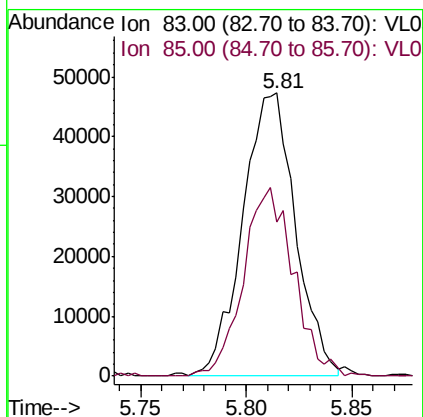
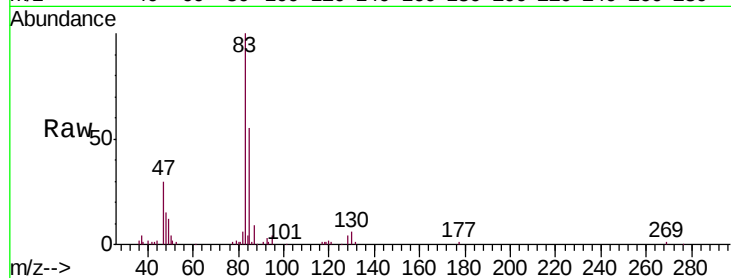
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 83 Resp: 81976

Ion Ratio Lower Upper

83 100

85 54.9 50.6 75.8



#30

Cyclohexane

Concen: 0.114 ppbv

RT: 7.21 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

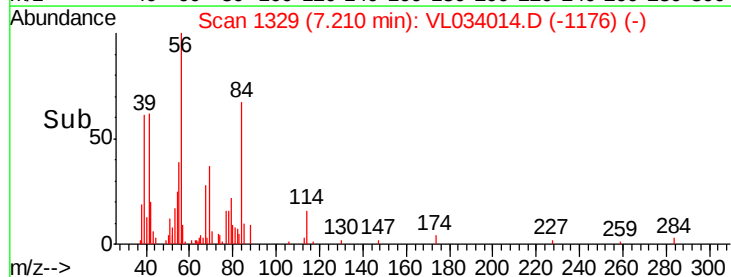
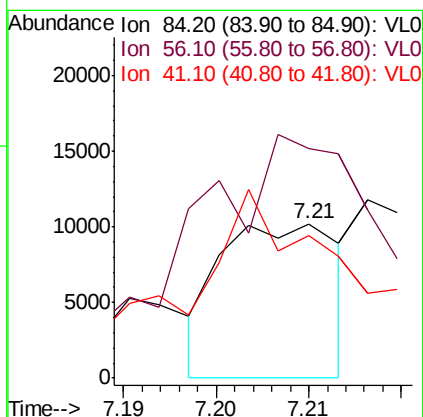
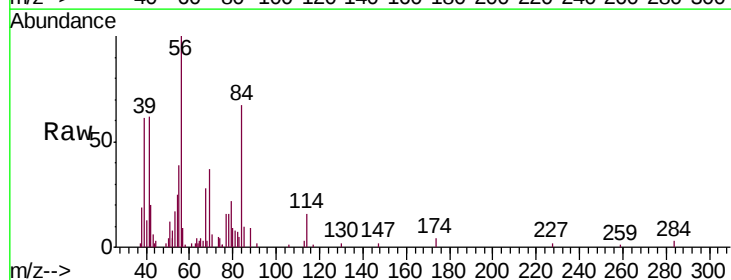
Tgt Ion: 84 Resp: 8998

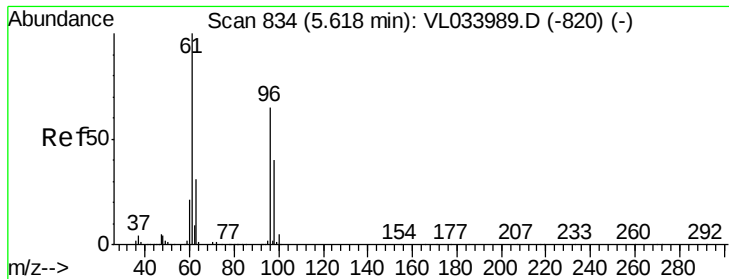
Ion Ratio Lower Upper

84 100

56 0.0 103.7 155.5#

41 214.7 62.6 94.0#



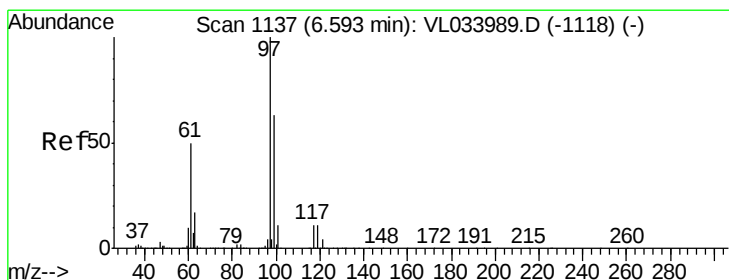
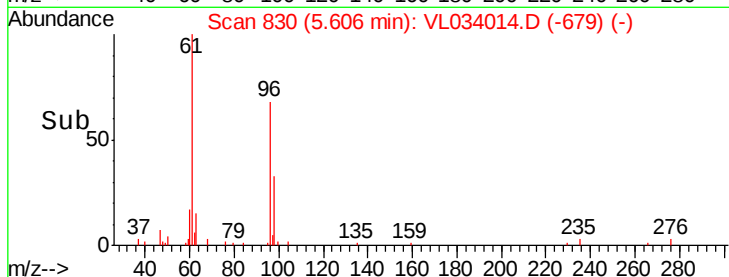
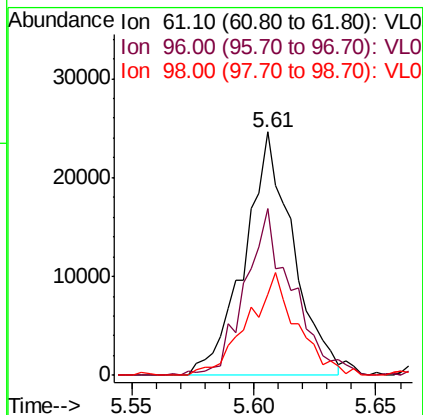
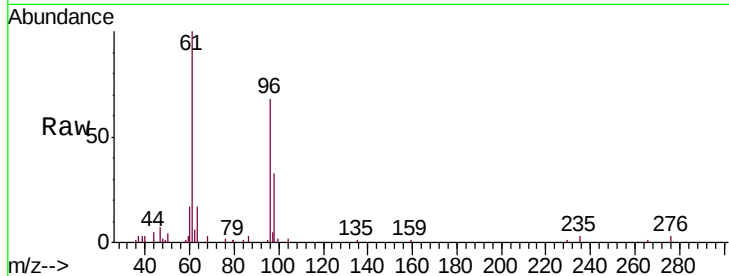


#31

cis-1,2-Dichloroethene
 Concen: 0.344 ppbv
 RT: 5.61 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT3-2019

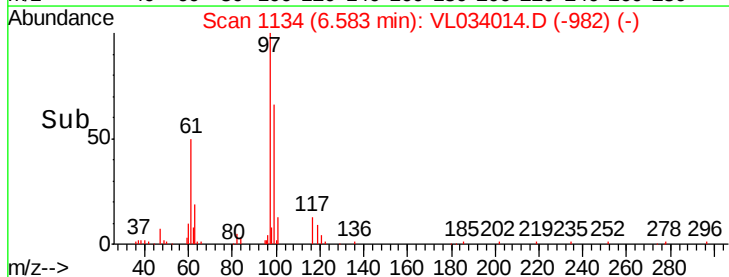
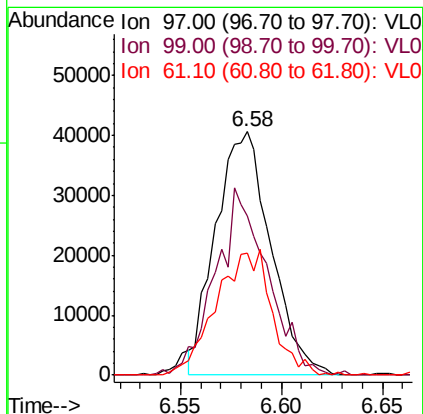
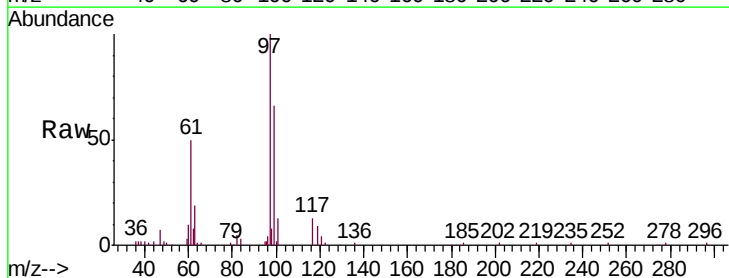
Tgt Ion:	61	Resp:	33911
Ion	Ratio	Lower	Upper
61	100		
96	66.5	51.8	77.6
98	33.4	32.1	48.1

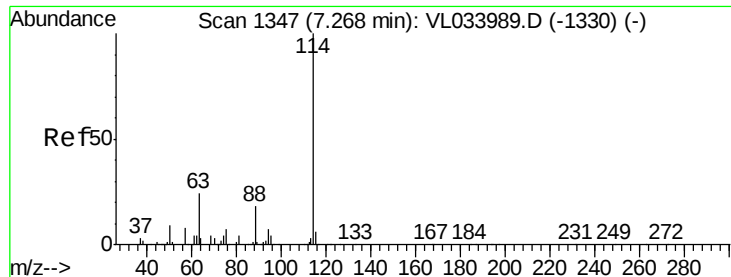


#32

1,1,1-Trichloroethane
 Concen: 0.398 ppbv
 RT: 6.58 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

Tgt Ion:	97	Resp:	77217
Ion	Ratio	Lower	Upper
97	100		
99	72.4	51.9	77.9
61	51.6	39.8	59.8

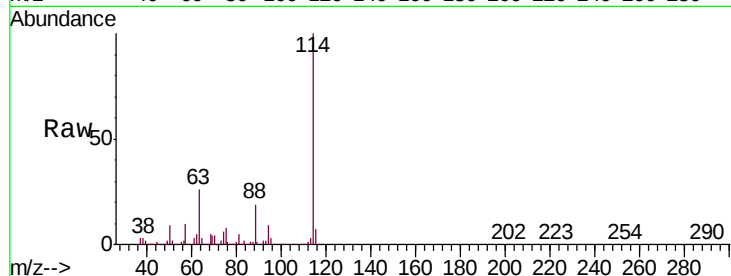




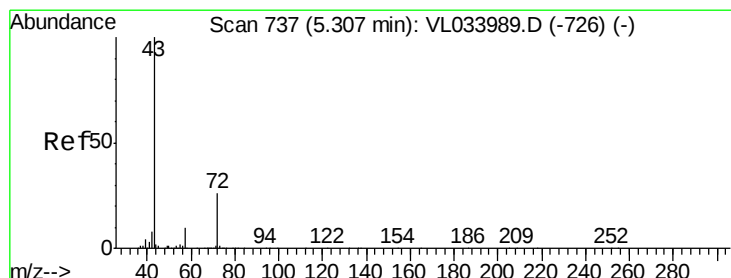
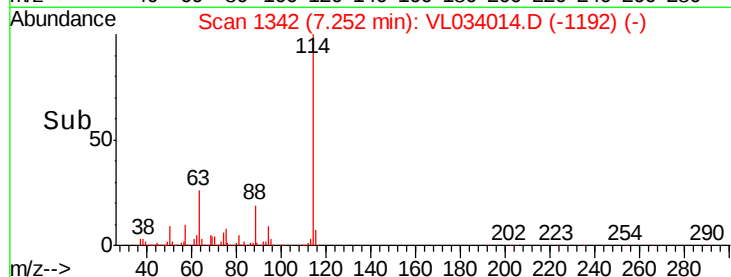
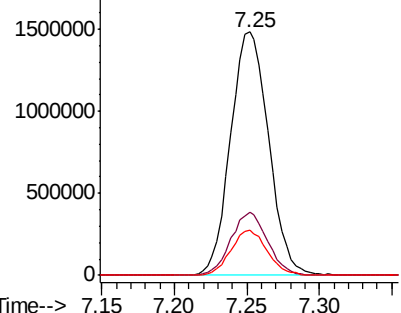
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1342
 Delta R.T. -0.02 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 114 Resp: 2714373
 Ion Ratio Lower Upper
 114 100
 63 25.0 20.2 30.2
 88 17.8 14.1 21.1

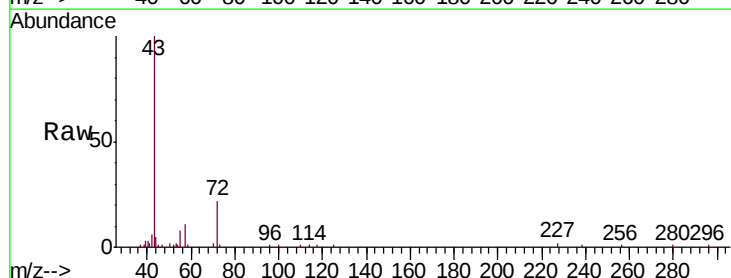


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

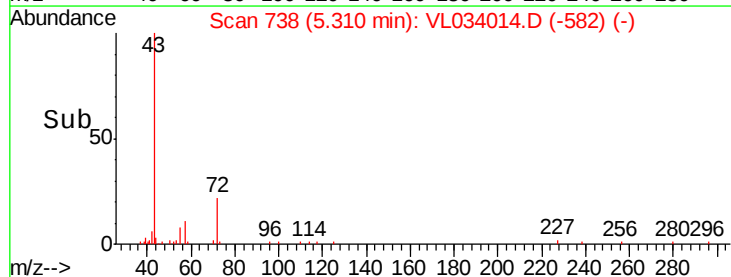
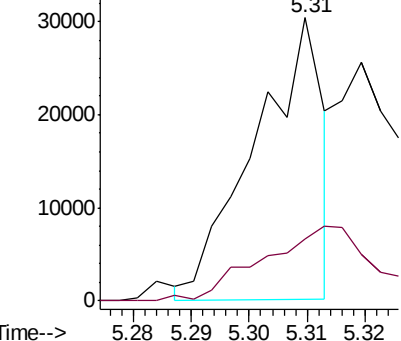


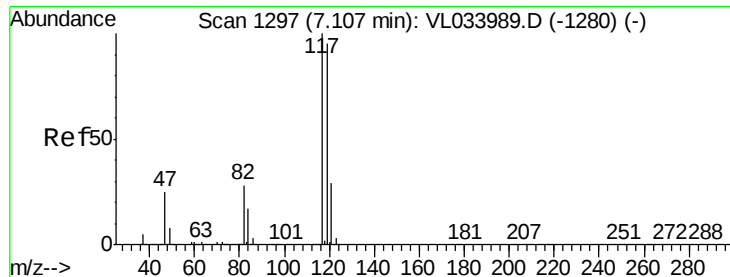
#34
 2-Butanone
 Concen: 0.173 ppbv
 RT: 5.31 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

Tgt Ion: 43 Resp: 24857
 Ion Ratio Lower Upper
 43 100
 72 49.1 19.9 29.9#



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





#35

Carbon Tetrachloride

Concen: 0.404 ppbv

RT: 7.09 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

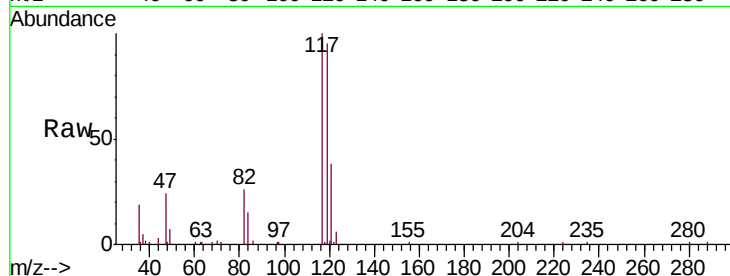
Tgt Ion: 117 Resp: 86718

Ion Ratio Lower Upper

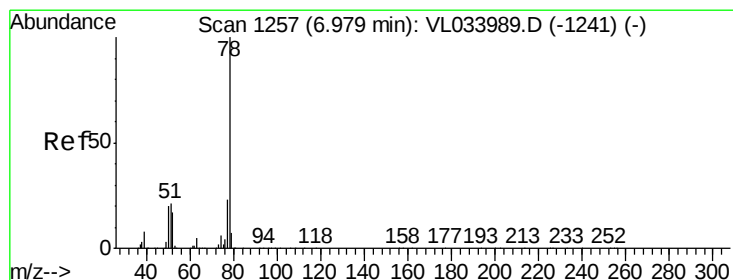
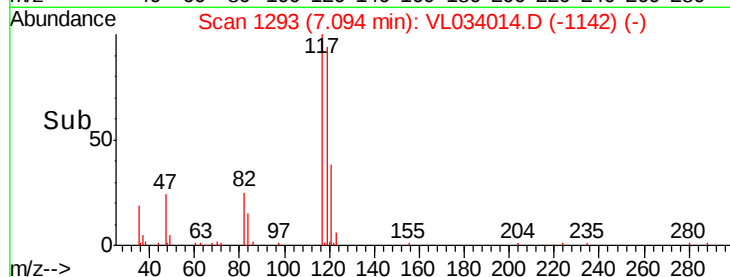
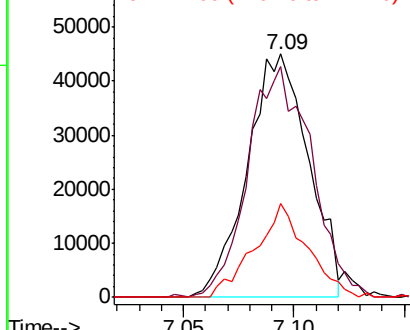
117 100

119 94.2 75.8 113.6

121 38.0 23.4 35.2#



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: 0.202 ppbv

RT: 6.96 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

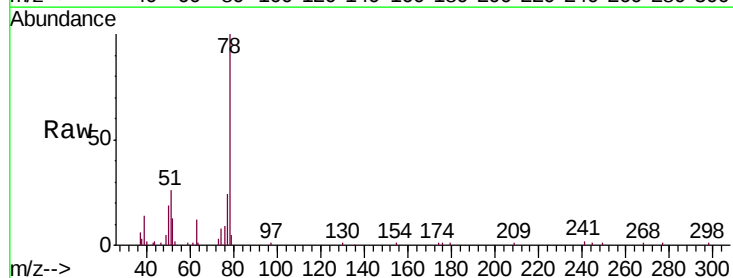
Tgt Ion: 78 Resp: 42824

Ion Ratio Lower Upper

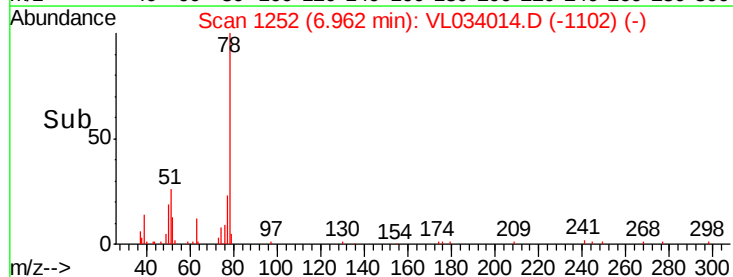
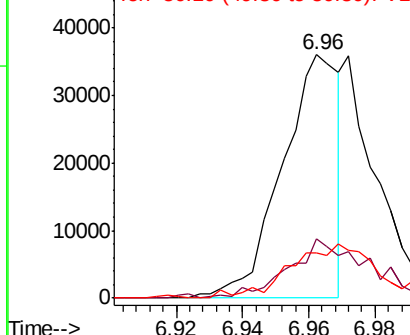
78 100

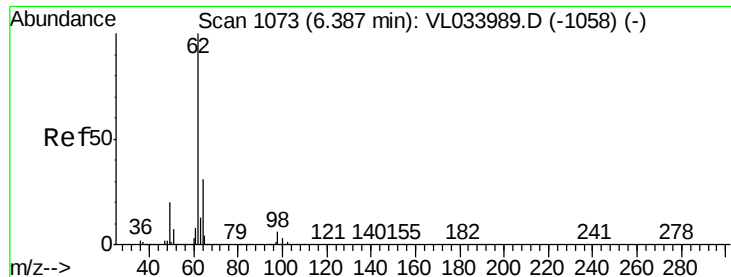
77 22.5 18.7 28.1

50 18.6 16.2 24.2



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: 0.397 ppbv

RT: 6.37 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

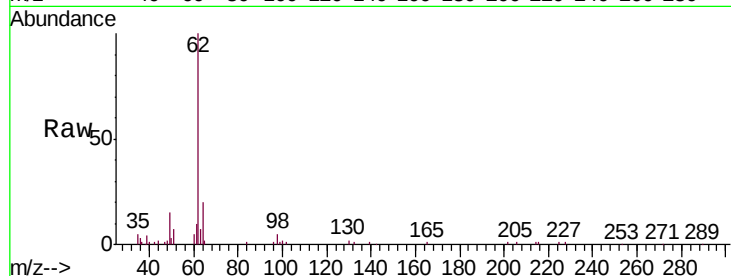
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 62 Resp: 62184

Ion Ratio Lower Upper

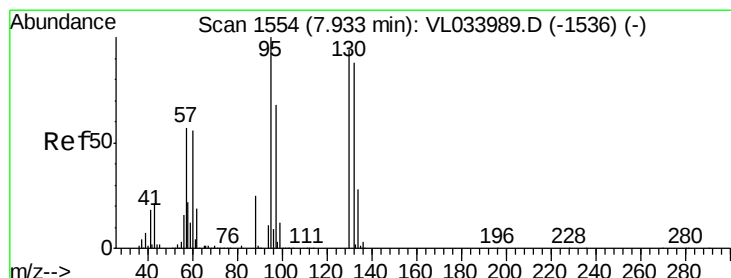
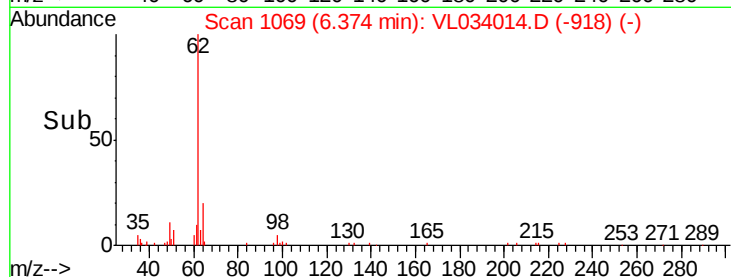
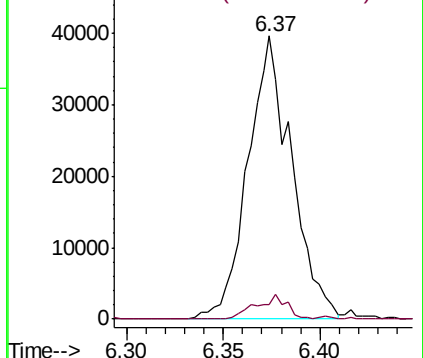
62 100

98 6.4 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.255 ppbv

RT: 7.93 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Tgt Ion: 130 Resp: 24088

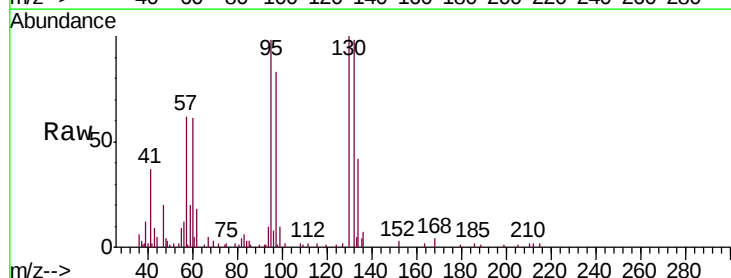
Ion Ratio Lower Upper

130 100

95 79.3 85.5 128.3#

132 91.1 75.1 112.7

97 74.5 58.1 87.1

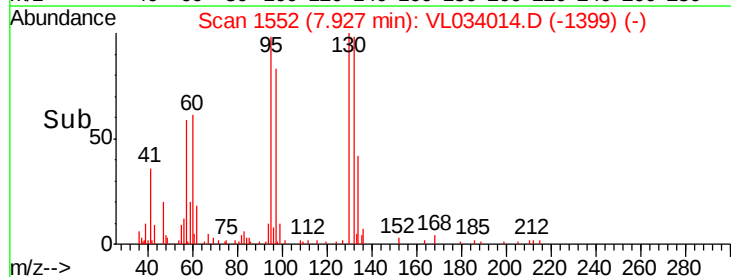
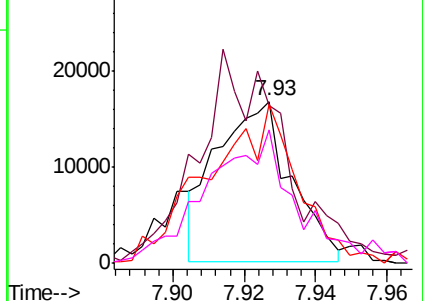


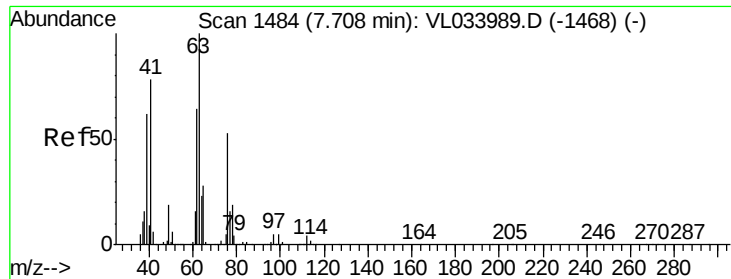
Abundance Ion 130.00 (129.70 to 130.70): V

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

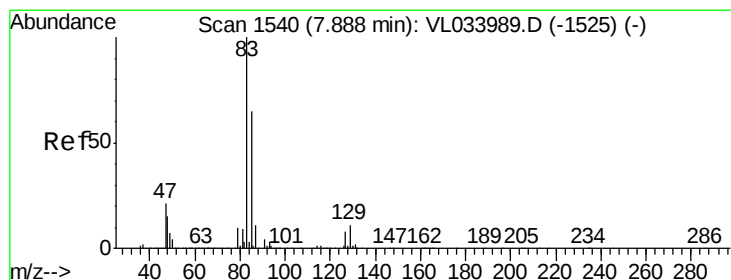
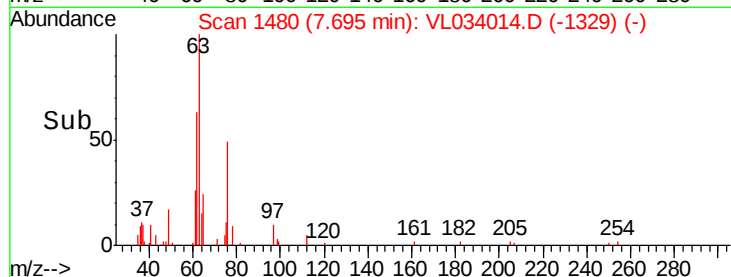
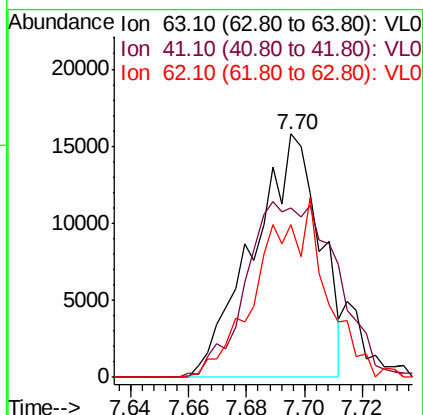
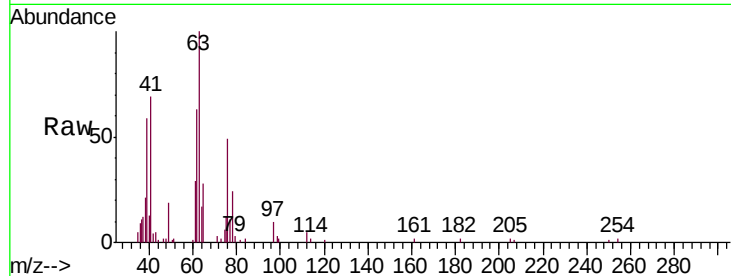




#39
 1,2-Dichloropropane
 Concen: 0.319 ppbv
 RT: 7.70 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

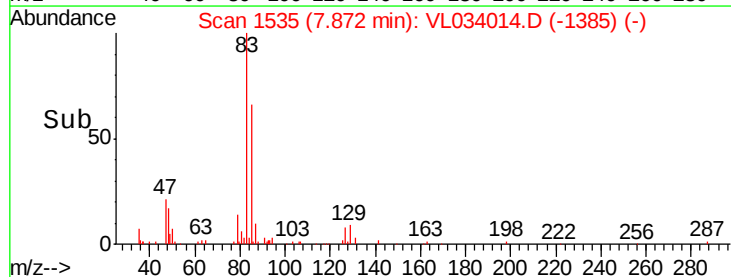
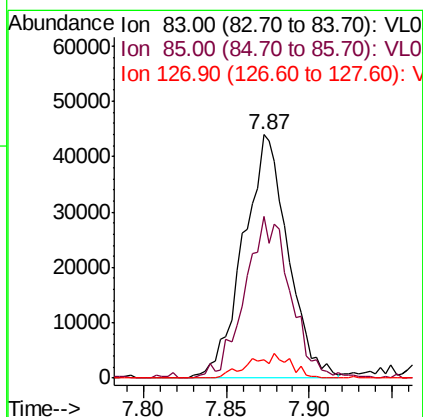
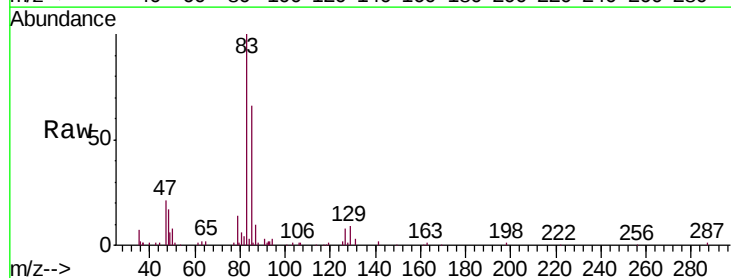
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT3-2019

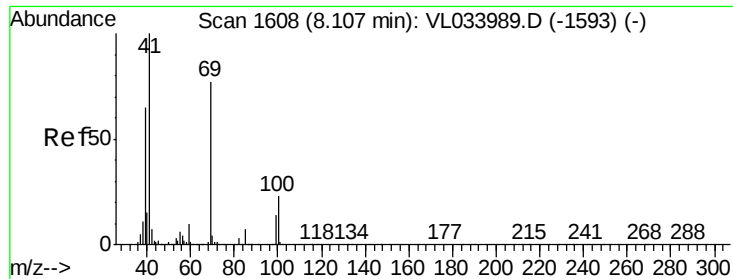
Tgt Ion: 63 Resp: 25181
 Ion Ratio Lower Upper
 63 100
 41 67.4 62.3 93.5
 62 61.6 51.4 77.2



#42
 Bromodichloromethane
 Concen: 0.392 ppbv
 RT: 7.87 min Scan# 1535
 Delta R.T. -0.02 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

Tgt Ion: 83 Resp: 82203
 Ion Ratio Lower Upper
 83 100
 85 66.2 51.8 77.8
 127 7.7 6.5 9.7





#43

Methyl Methacrylate

Concen: 0.131 ppbv

RT: 8.10 min Scan# 1605

Delta R.T. -0.01 min

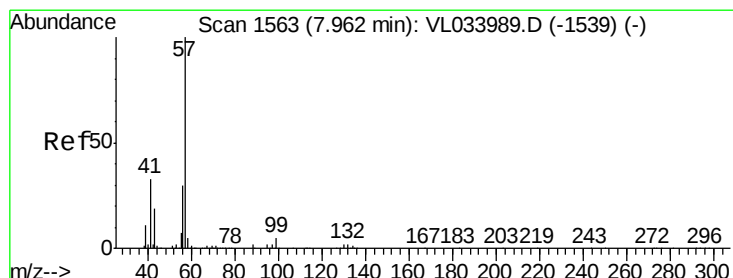
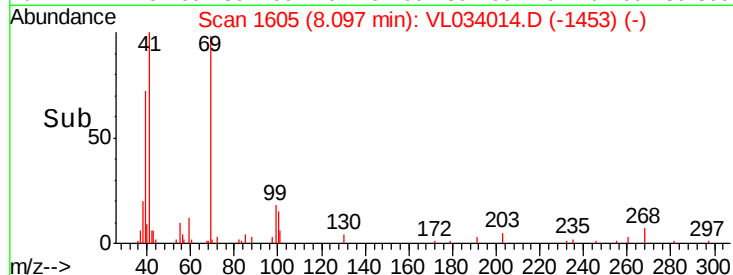
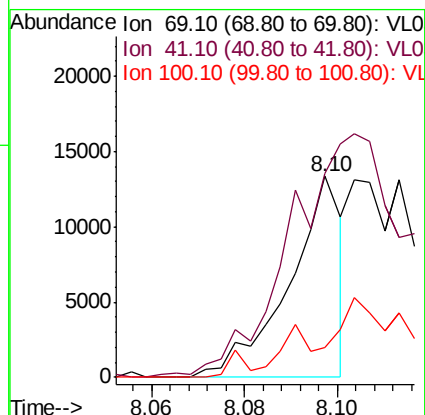
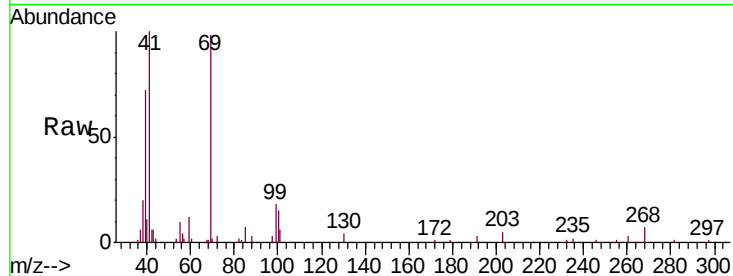
Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 69 Resp: 10540

Ion	Ratio	Lower	Upper
69	100		
41	0.0	109.1	163.7#
100	0.0	25.3	37.9#



#44

2,2,4-Trimethylpentane

Concen: 0.267 ppbv

RT: 7.95 min Scan# 1559

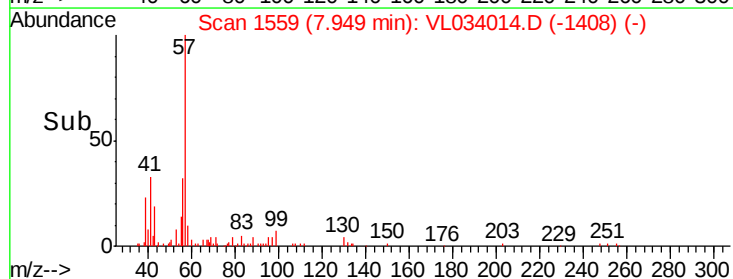
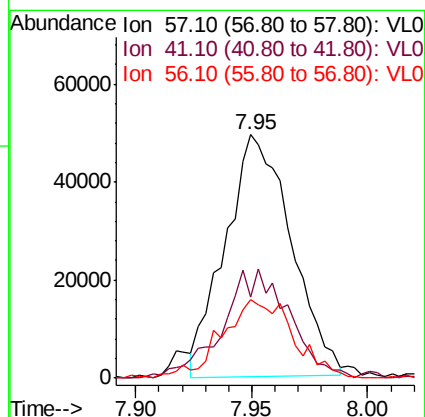
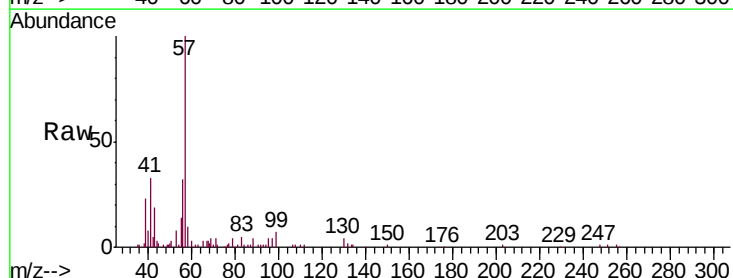
Delta R.T. -0.01 min

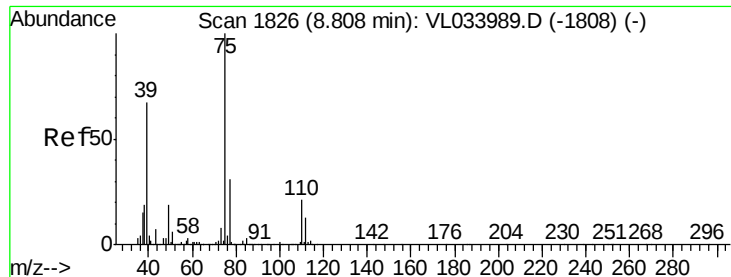
Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Tgt Ion: 57 Resp: 97894

Ion	Ratio	Lower	Upper
57	100		
41	46.6	26.1	39.1#
56	35.5	24.4	36.6



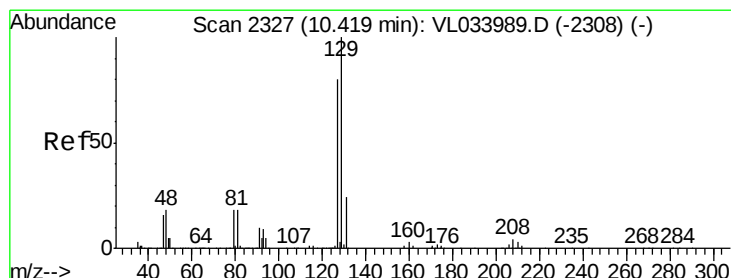
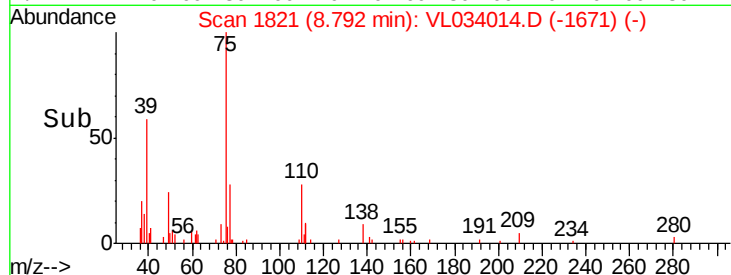
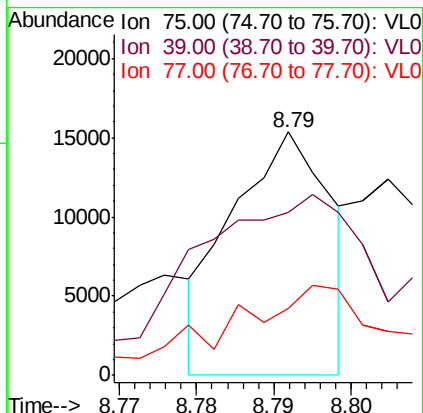
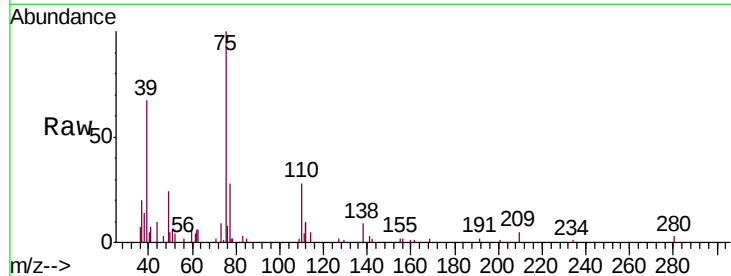


#46

cis-1,3-Dichloropropene
Concen: 0.112 ppbv
RT: 8.79 min Scan# 1821
Delta R.T. -0.02 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

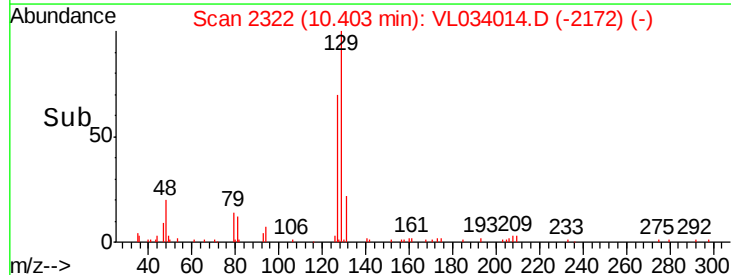
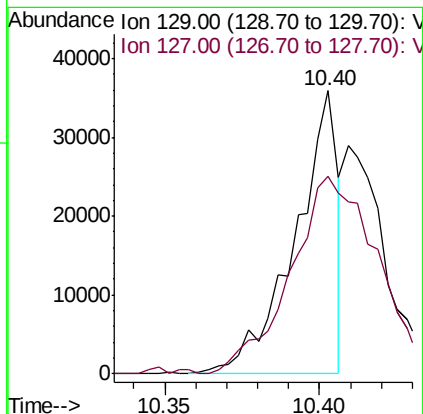
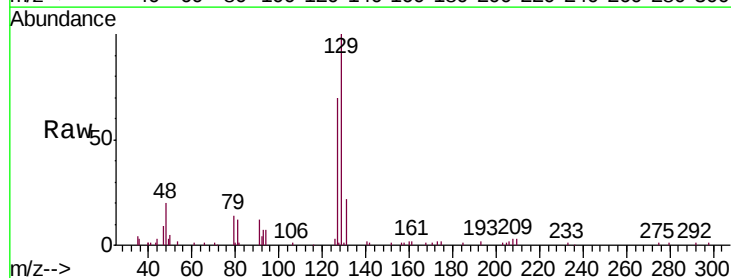
Tgt Ion: 75 Resp: 13660
Ion Ratio Lower Upper
75 100
39 25.1 53.8 80.6#
77 5.1 24.5 36.7#

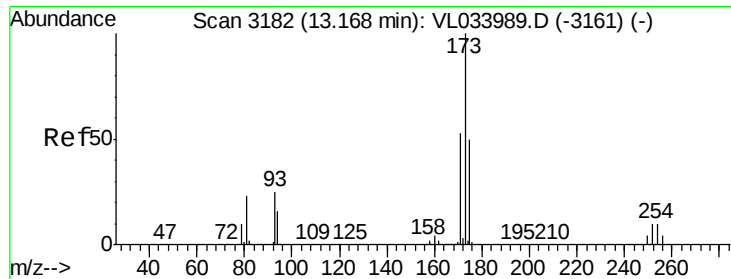


#48

Dibromochloromethane
Concen: 0.181 ppbv
RT: 10.40 min Scan# 2322
Delta R.T. -0.02 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

Tgt Ion: 129 Resp: 34383
Ion Ratio Lower Upper
129 100
127 143.9 39.1 117.3#

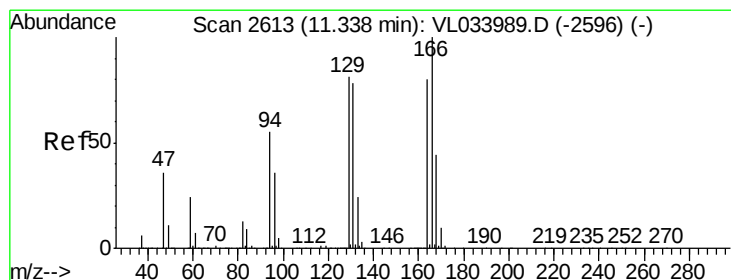
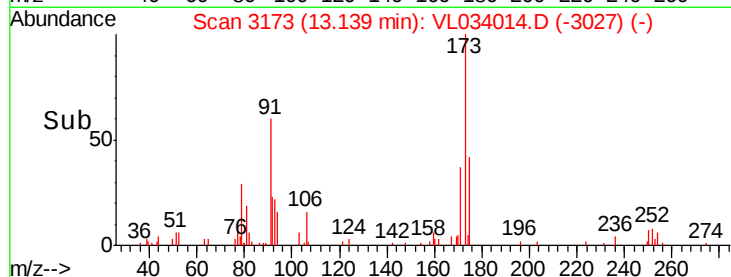
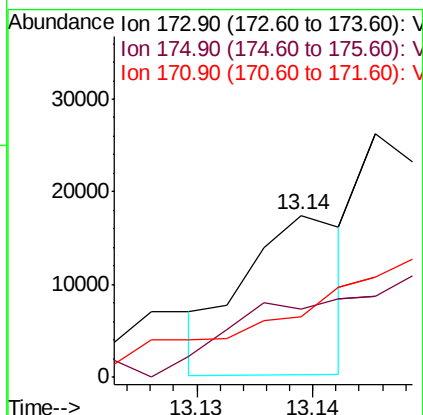
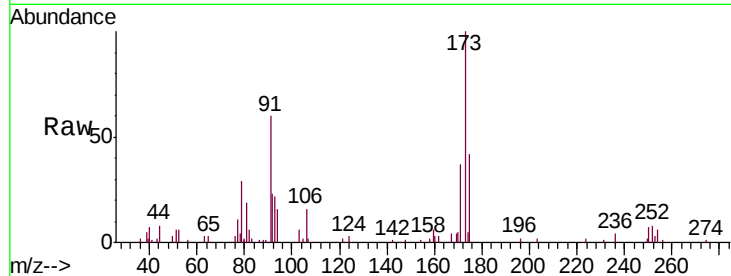




#49
Bromoform
Concen: 0.065 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. -0.03 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

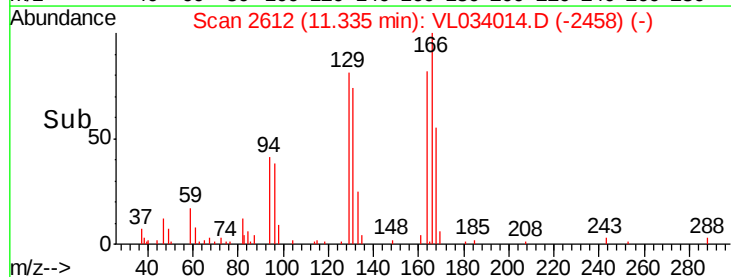
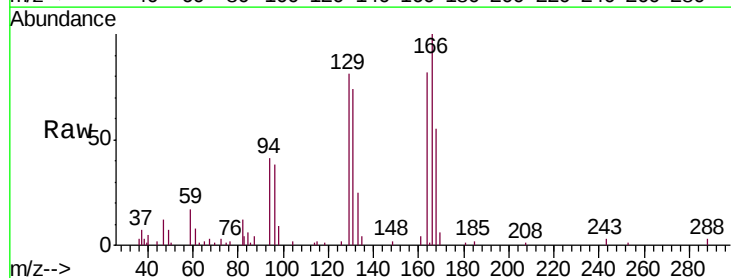
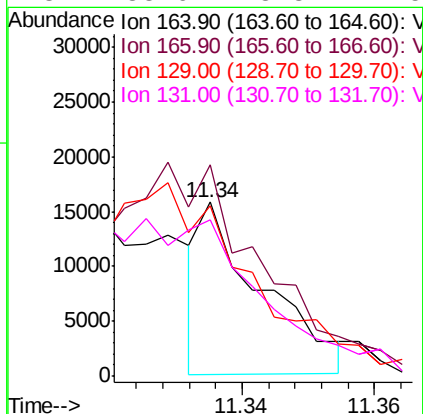
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

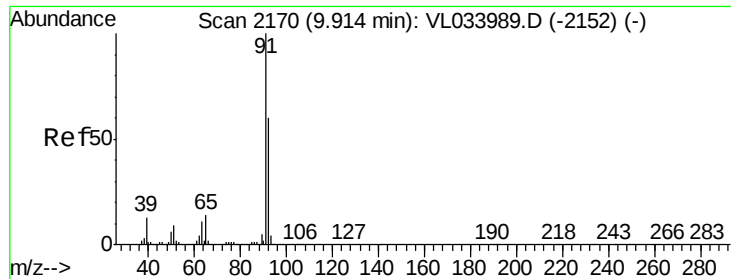
Tgt Ion:173 Resp: 10534
Ion Ratio Lower Upper
173 100
175 0.0 39.3 58.9#
171 0.0 41.4 62.0#



#52
Tetrachloroethene
Concen: 0.111 ppbv
RT: 11.34 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

Tgt Ion:164 Resp: 10147
Ion Ratio Lower Upper
164 100
166 123.1 100.2 150.2
129 99.2 81.0 121.6
131 88.6 78.3 117.5





#53

Toluene

Concen: 0.045 ppbv

RT: 9.89 min Scan# 2162

Delta R.T. -0.03 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

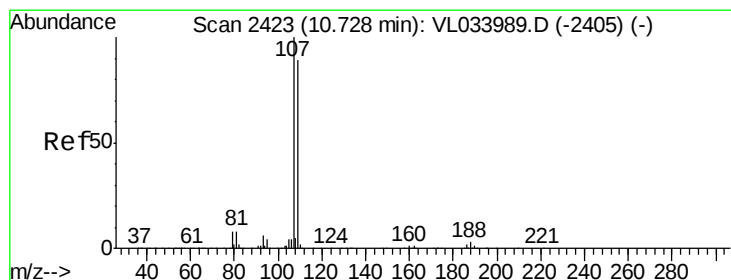
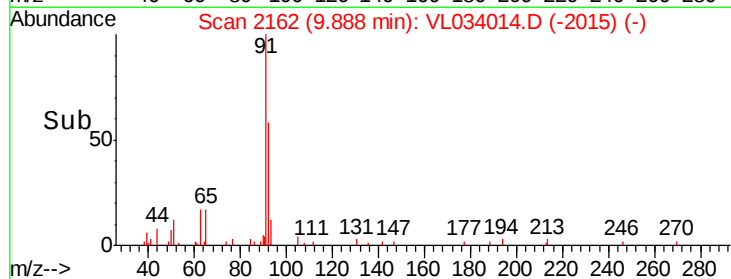
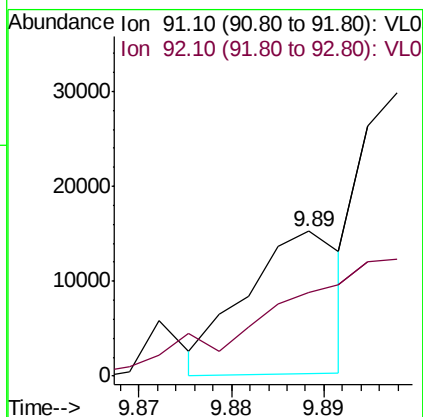
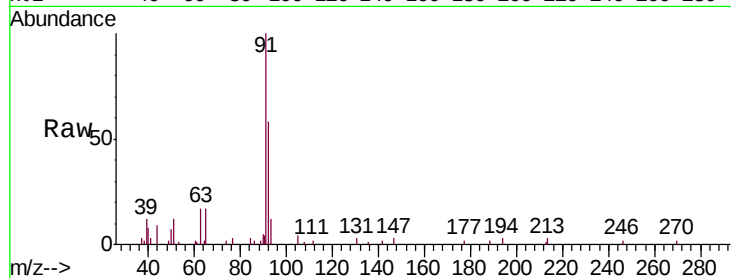
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 91 Resp: 10824

Ion Ratio Lower Upper

91 100

92 0.0 47.7 71.5#



#54

1,2-Dibromoethane

Concen: 0.240 ppbv

RT: 10.71 min Scan# 2419

Delta R.T. -0.01 min

Lab File: VL034014.D

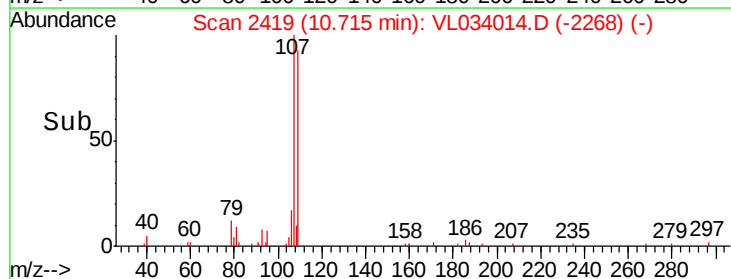
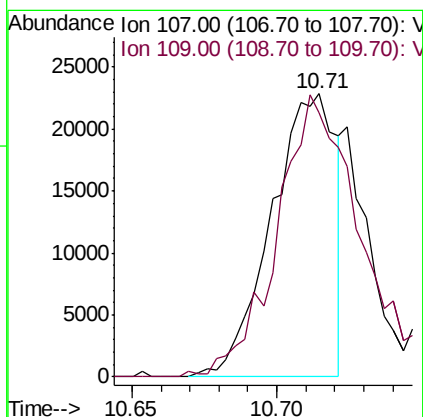
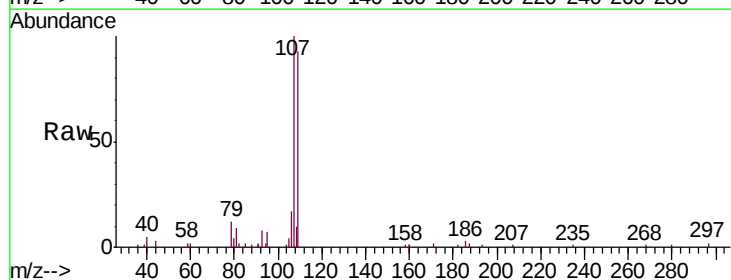
Acq: 8 Jul 2019 16:40

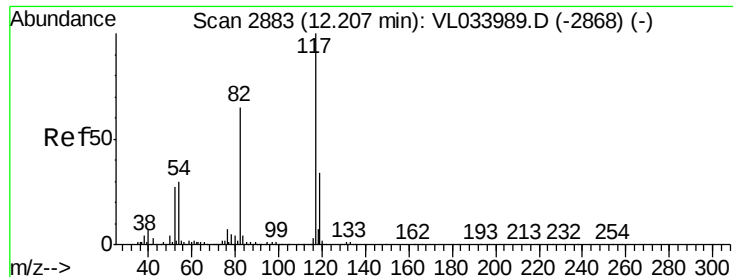
Tgt Ion: 107 Resp: 35241

Ion Ratio Lower Upper

107 100

109 90.2 71.5 107.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.19 min Scan# 2879

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

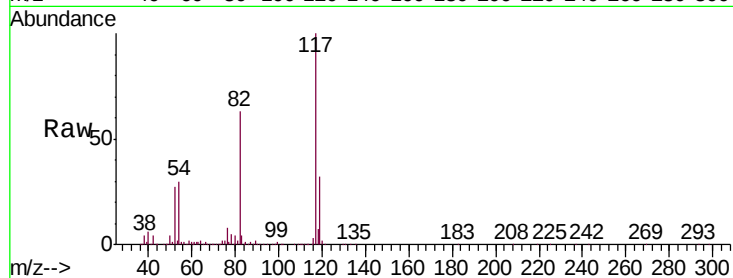
Tgt Ion:117 Resp: 2502331

Ion Ratio Lower Upper

117 100

82 64.7 50.8 76.2

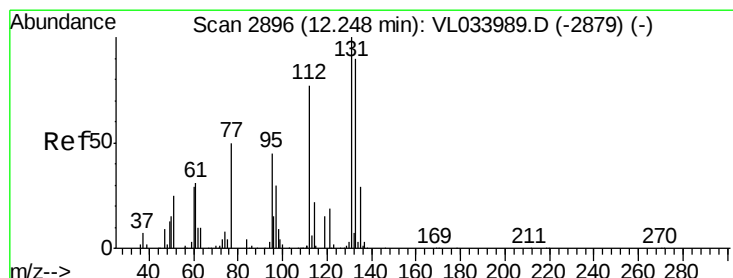
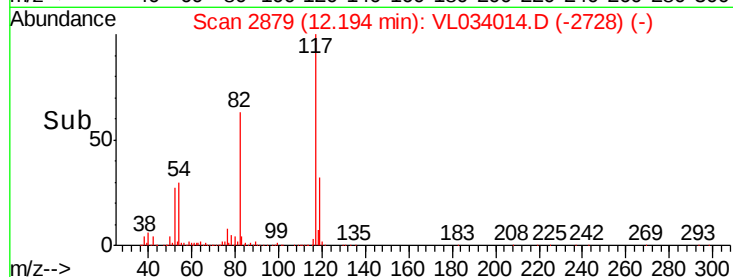
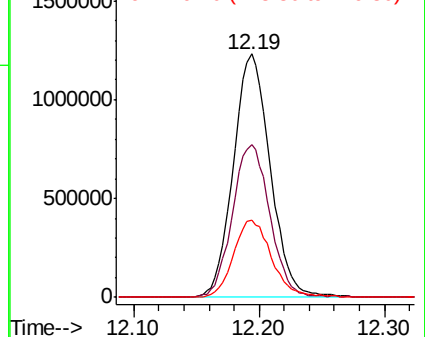
119 33.2 24.0 36.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VLO

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.282 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

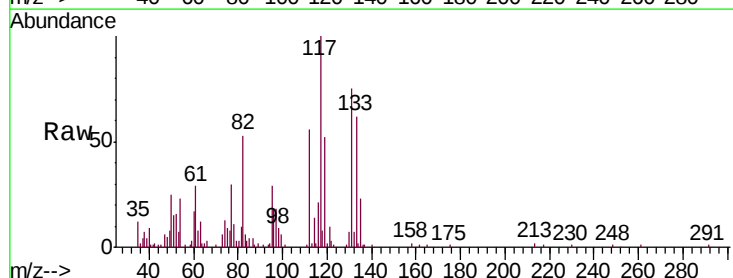
Tgt Ion:131 Resp: 31585

Ion Ratio Lower Upper

131 100

133 0.0 76.2 114.2#

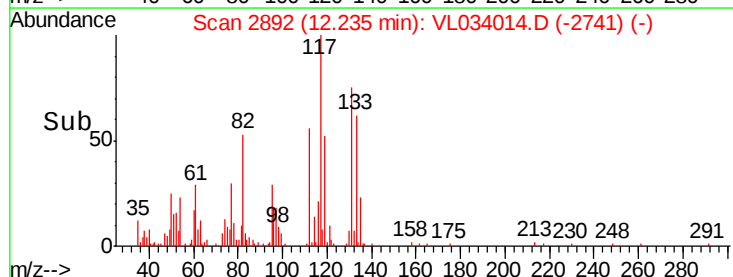
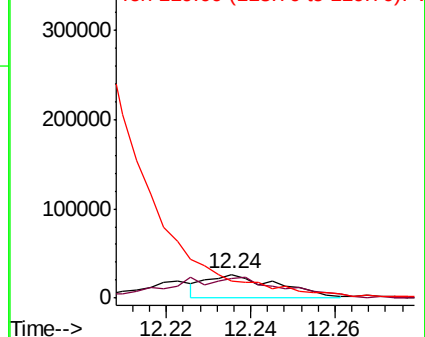
119 0.0 43.1 64.7#

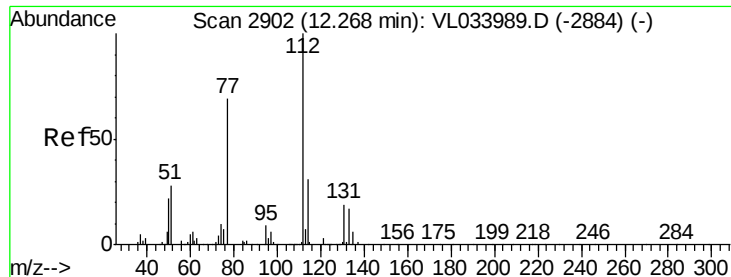


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.211 ppbv

RT: 12.25 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

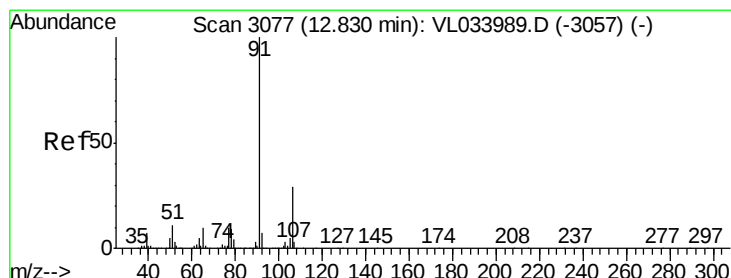
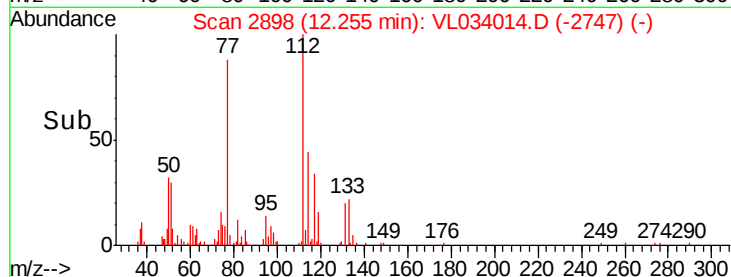
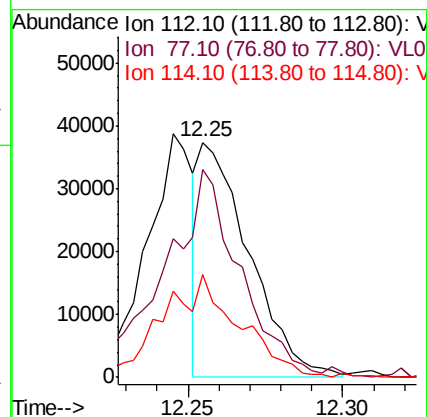
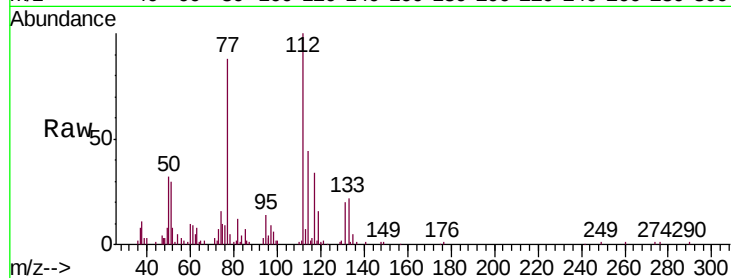
Tgt Ion: 112 Resp: 41955

Ion Ratio Lower Upper

112 100

77 86.5 55.9 83.9#

114 42.4 27.6 33.8#



#58

Ethyl Benzene

Concen: 0.083 ppbv

RT: 12.83 min Scan# 3076

Delta R.T. -0.00 min

Lab File: VL034014.D

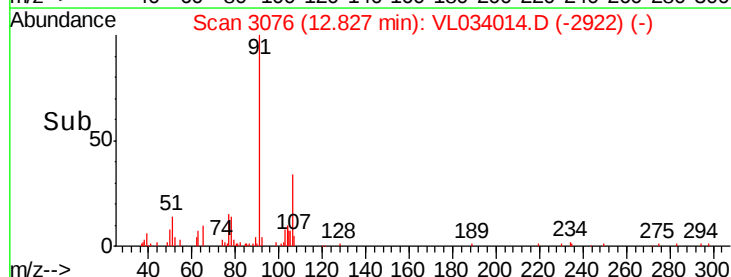
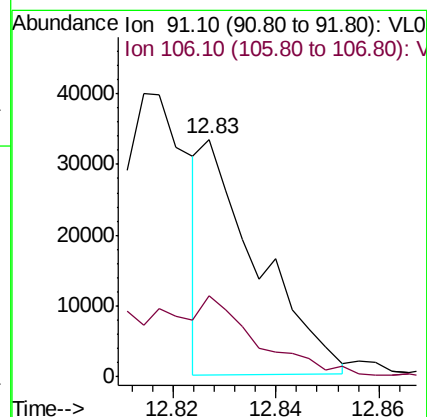
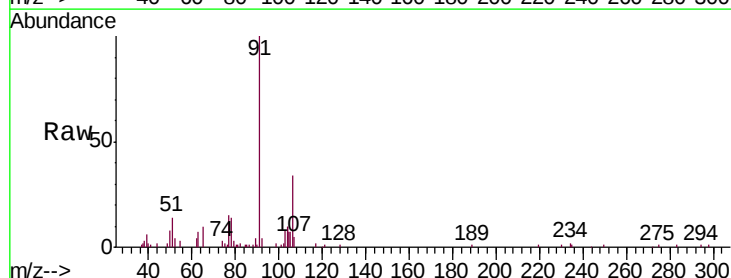
Acq: 8 Jul 2019 16:40

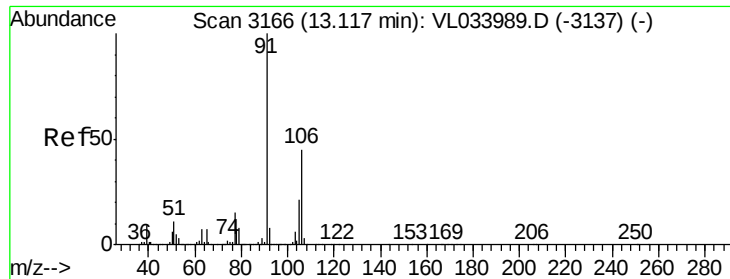
Tgt Ion: 91 Resp: 24890

Ion Ratio Lower Upper

91 100

106 31.1 23.3 34.9

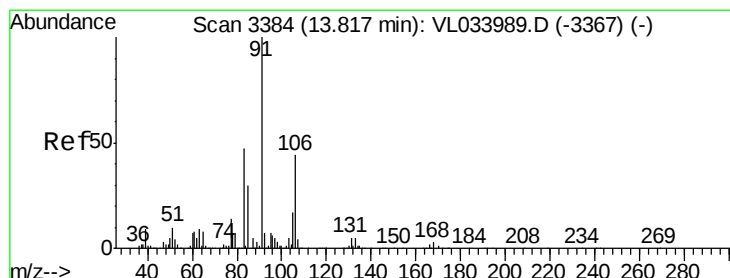
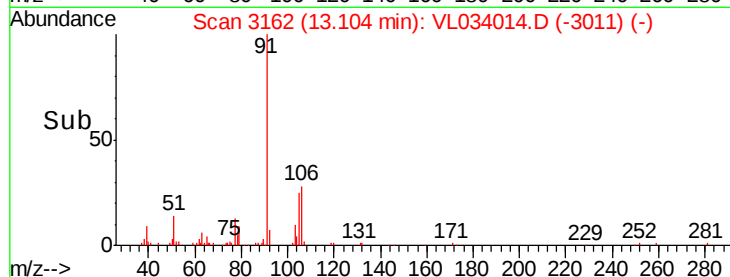
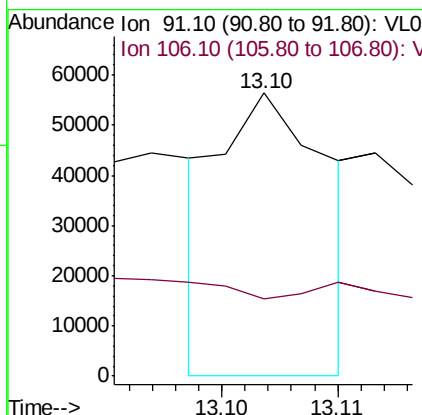
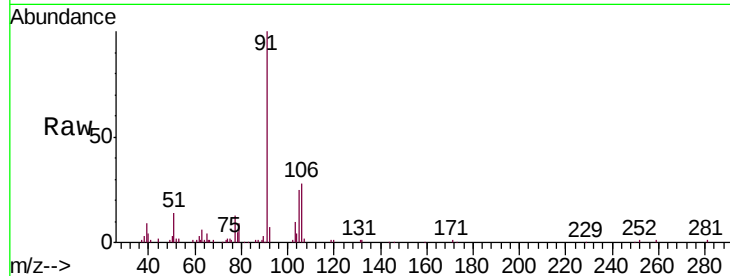




#59
m/p-Xylene
Concen: 0.134 ppbv
RT: 13.10 min Scan# 3162
Delta R.T. -0.01 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

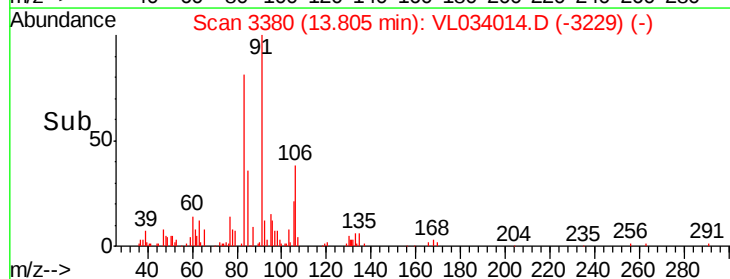
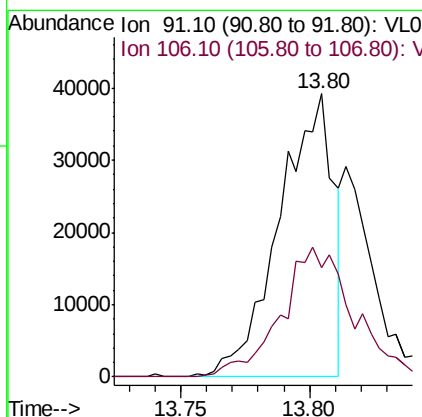
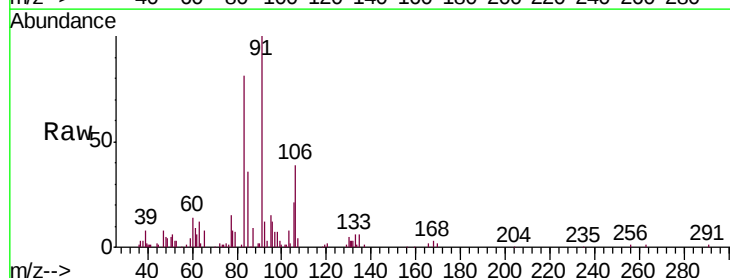
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

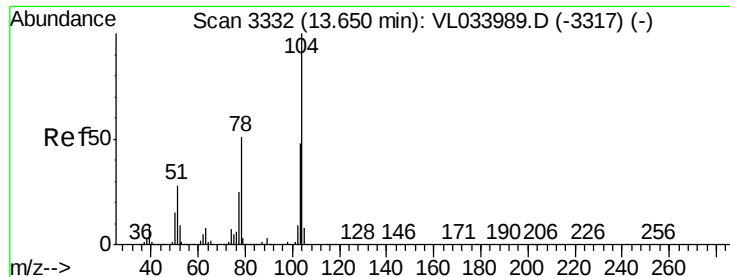
Tgt Ion: 91 Resp: 36589
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#



#60
o-Xylene
Concen: 0.210 ppbv
RT: 13.80 min Scan# 3380
Delta R.T. -0.01 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

Tgt Ion: 91 Resp: 57348
Ion Ratio Lower Upper
91 100
106 61.2 21.9 65.7





#61

Styrene

Concen: 0.057 ppbv

RT: 13.64 min Scan# 3329

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

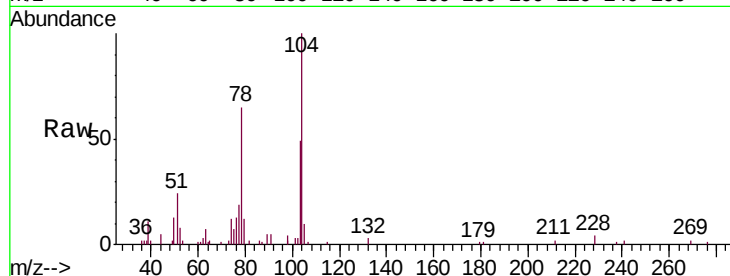
Tgt Ion:104 Resp: 10336

Ion Ratio Lower Upper

104 100

78 225.6 43.9 65.9#

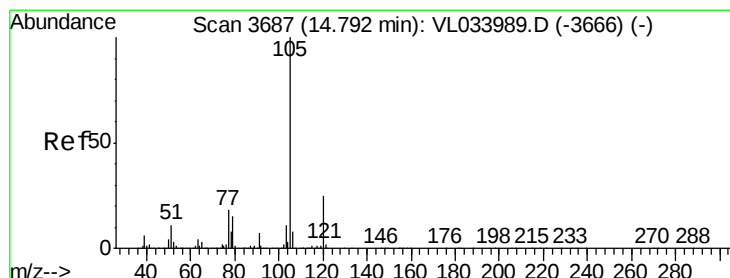
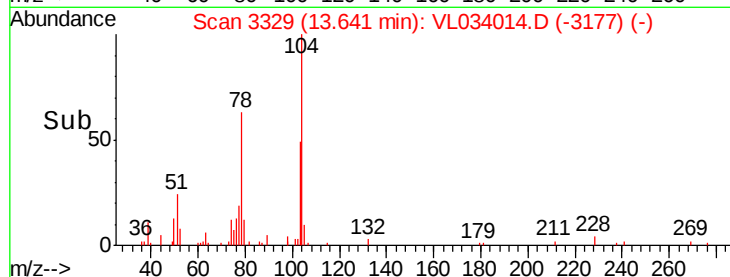
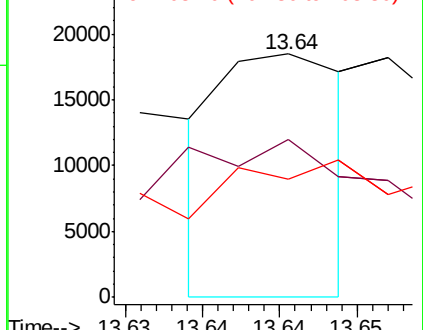
103 0.0 38.1 57.1#



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: 0.281 ppbv

RT: 14.78 min Scan# 3684

Delta R.T. -0.01 min

Lab File: VL034014.D

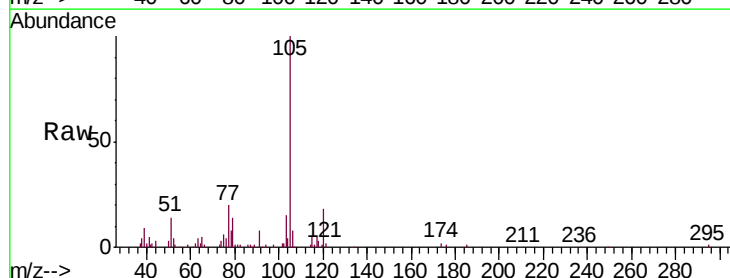
Acq: 8 Jul 2019 16:40

Tgt Ion:105 Resp: 117734

Ion Ratio Lower Upper

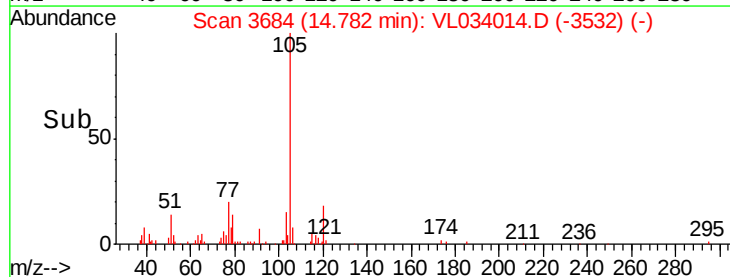
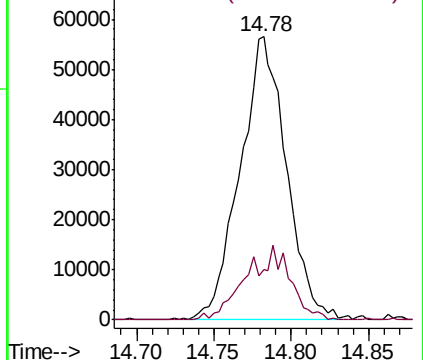
105 100

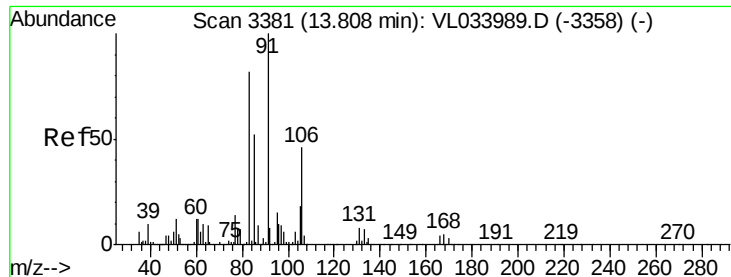
120 24.7 20.4 30.6



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: 0.089 ppbv

RT: 13.79 min Scan# 3377

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

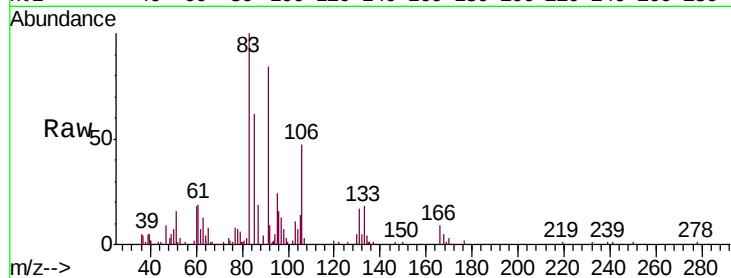
Tgt Ion: 83 Resp: 18690

Ion Ratio Lower Upper

83 100

131 48.8 5.0 14.9#

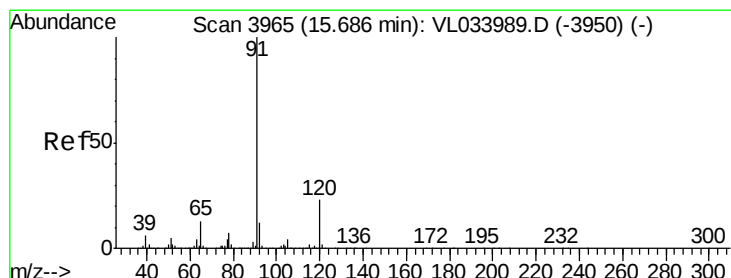
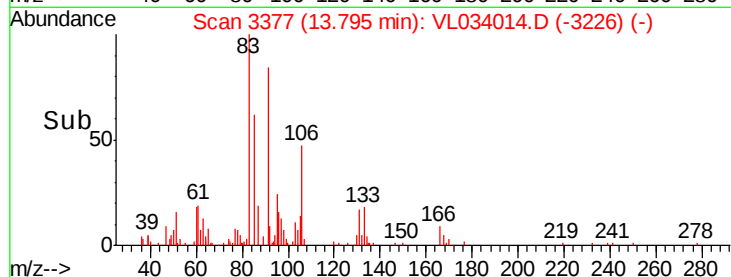
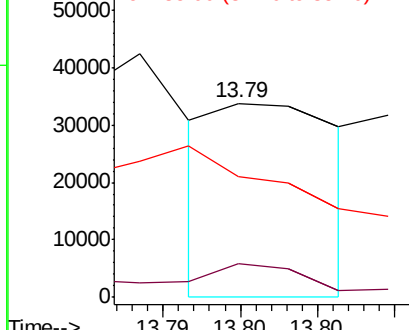
85 292.3 32.8 98.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.148 ppbv

RT: 15.68 min Scan# 3962

Delta R.T. -0.01 min

Lab File: VL034014.D

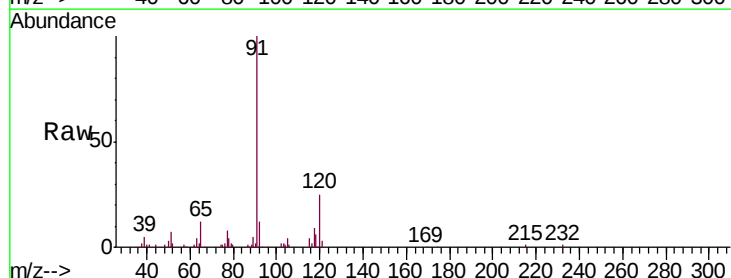
Acq: 8 Jul 2019 16:40

Tgt Ion: 120 Resp: 16100

Ion Ratio Lower Upper

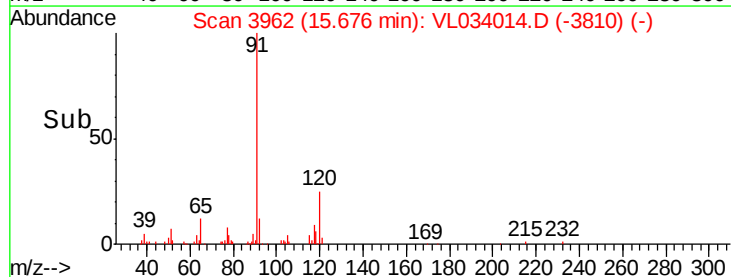
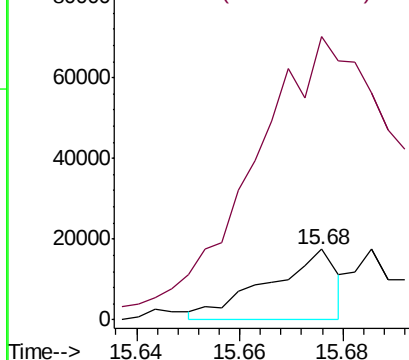
120 100

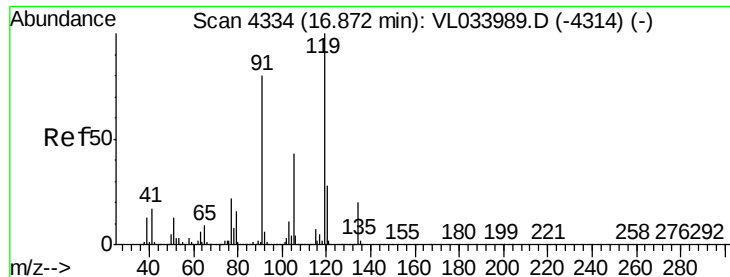
91 938.5 386.6 579.8#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

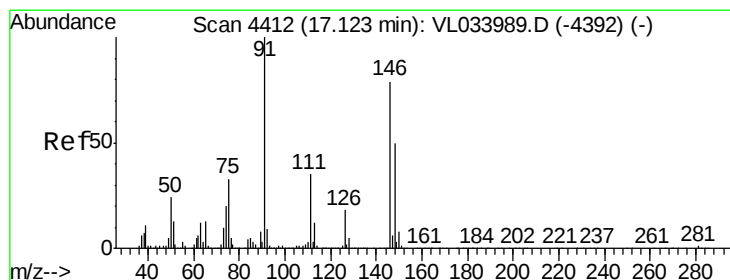
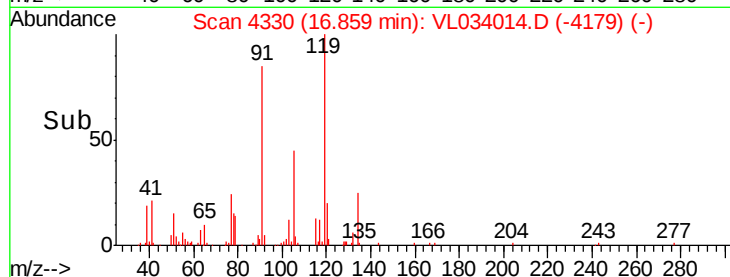
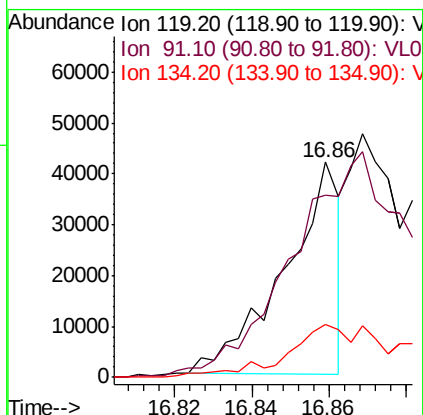
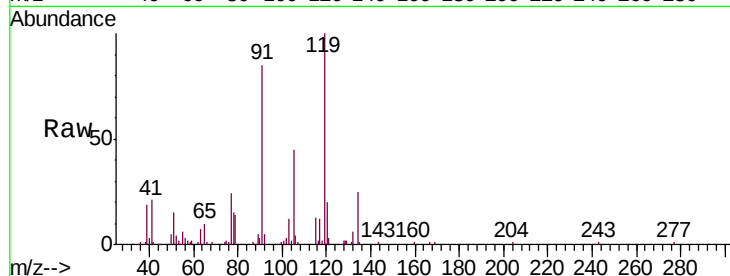




#65
tert-Butylbenzene
Concen: 0.115 ppbv
RT: 16.86 min Scan# 4330
Delta R.T. -0.01 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

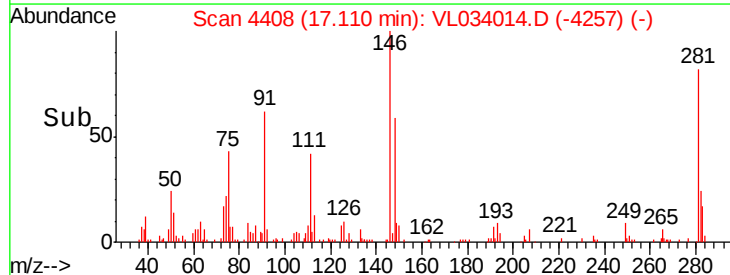
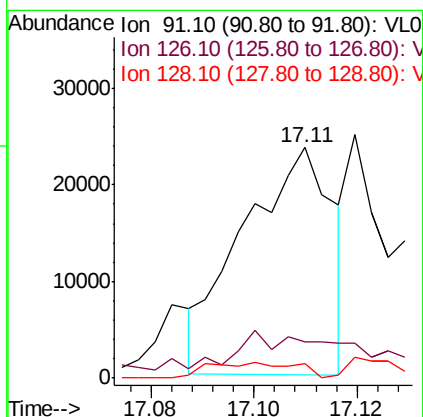
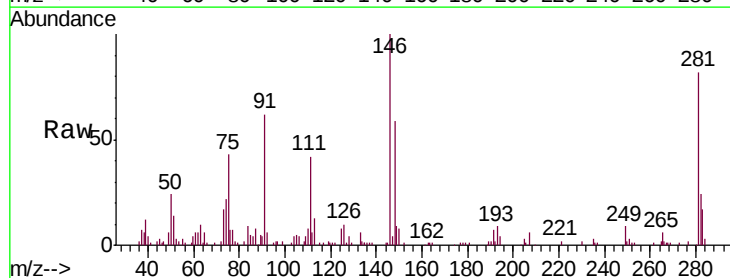
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

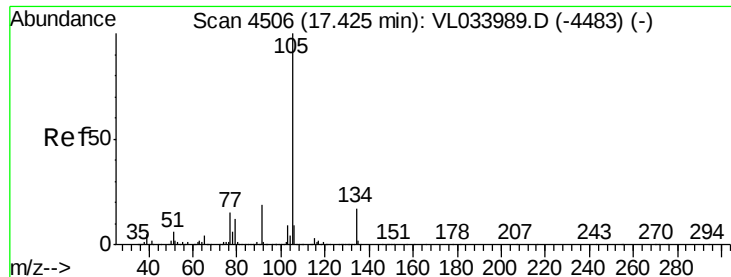
Tgt Ion: 119 Resp: 40936
Ion Ratio Lower Upper
119 100
91 0.0 67.0 100.6#
134 53.8 15.8 23.6#



#66
Benzyl Chloride
Concen: 0.157 ppbv
RT: 17.11 min Scan# 4408
Delta R.T. -0.01 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

Tgt Ion: 91 Resp: 28539
Ion Ratio Lower Upper
91 100
126 41.8 13.9 20.9#
128 7.0 4.6 7.0#





#67

sec-Butylbenzene

Concen: 0.322 ppbv

RT: 17.42 min Scan# 4504

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

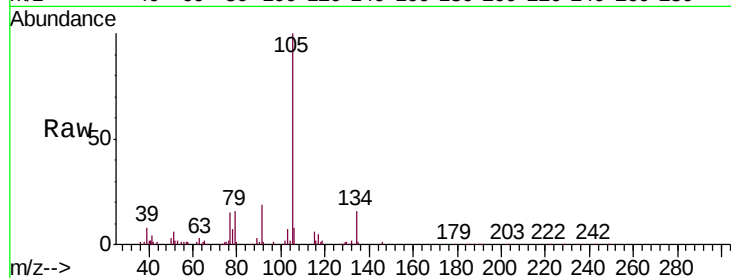
MDL-MDL-AIR-03-QT3-2019

Tgt Ion: 105 Resp: 161276

Ion Ratio Lower Upper

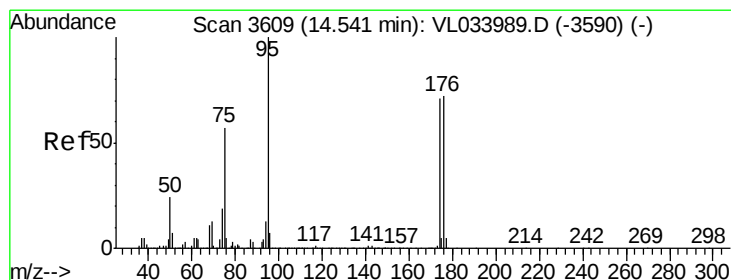
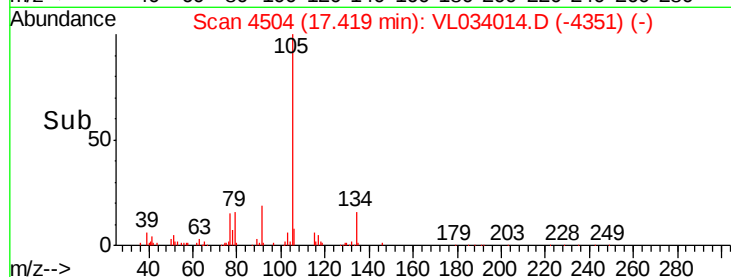
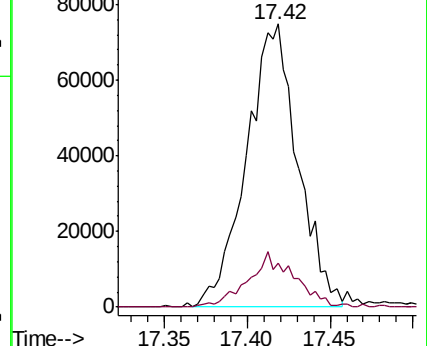
105 100

134 17.7 14.7 22.1



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: 9.820 ppbv

RT: 14.53 min Scan# 3606

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

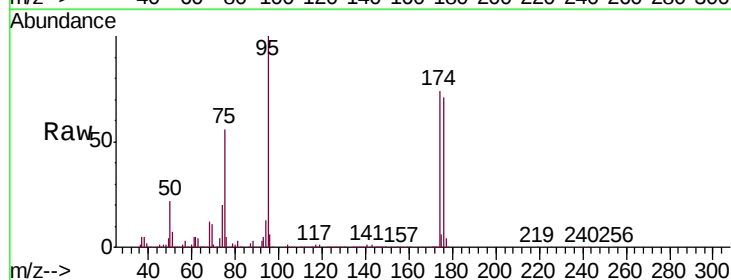
Tgt Ion: 95 Resp: 2095854

Ion Ratio Lower Upper

95 100

174 72.8 60.5 90.7

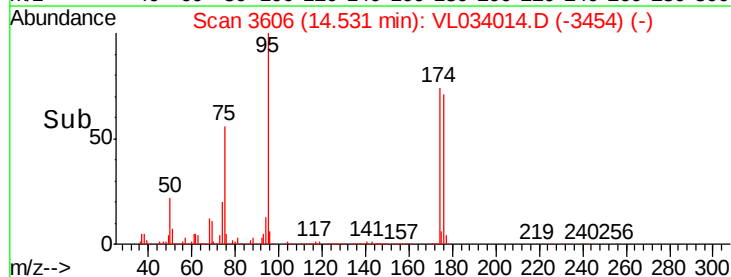
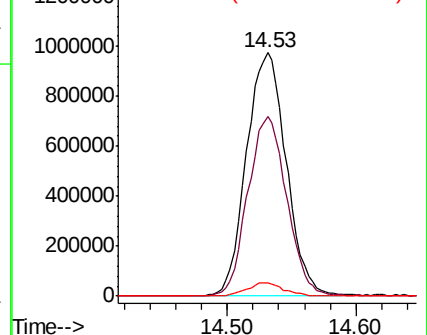
175 5.1 4.0 6.0

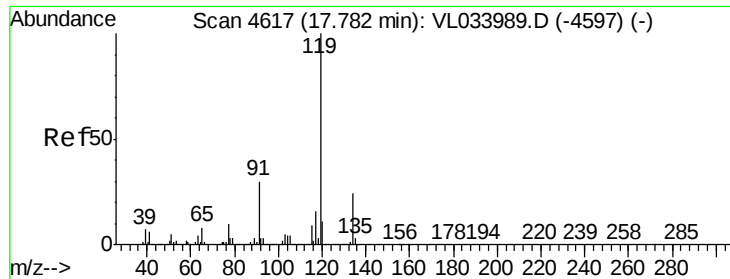


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 0.273 ppbv

RT: 17.77 min Scan# 4614

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

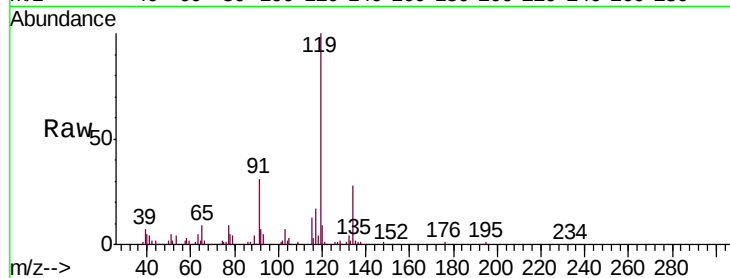
Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT3-2019

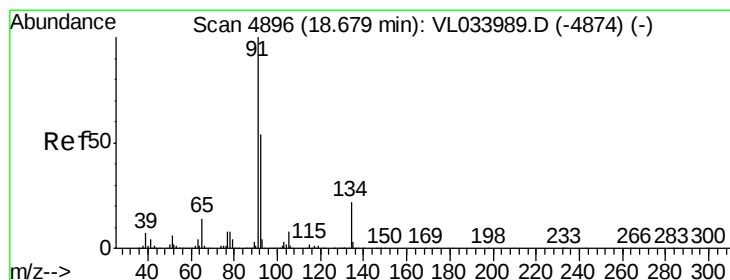
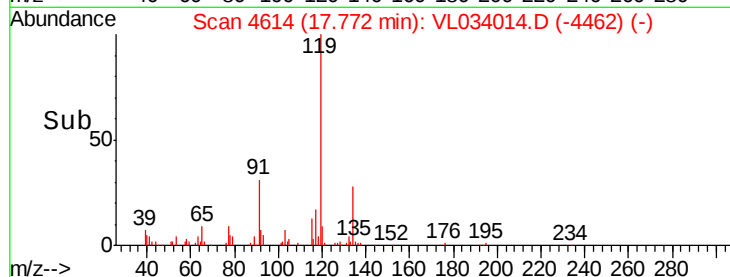
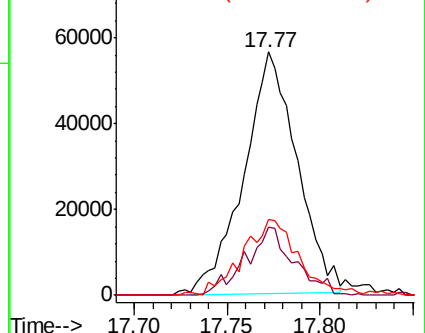
Tgt Ion:	119	Resp:	112445
Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.1	30.1
91	33.7	23.6	35.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.150 ppbv

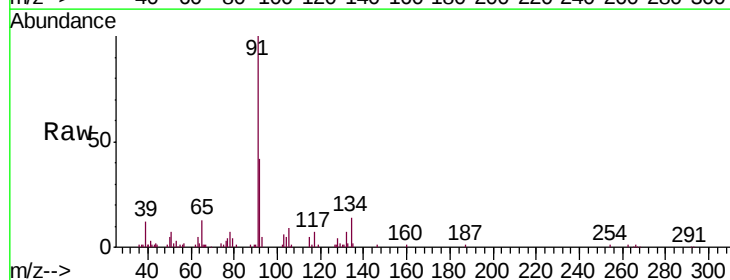
RT: 18.67 min Scan# 4892

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

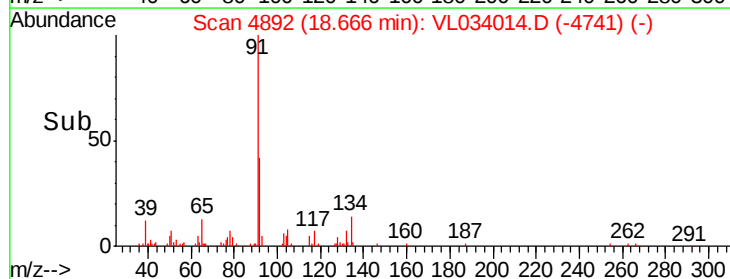
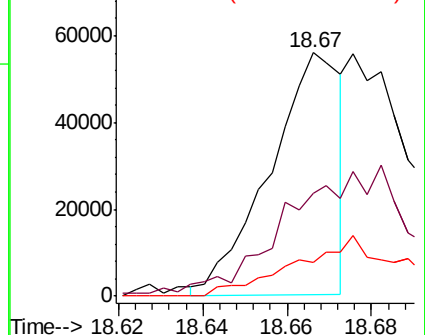
Tgt Ion:	91	Resp:	64940
Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.0	63.0#
134	0.0	17.9	26.9#

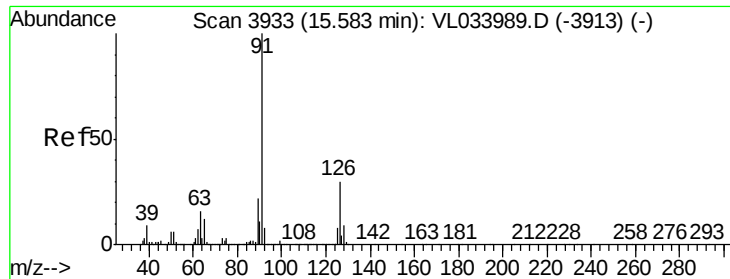


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

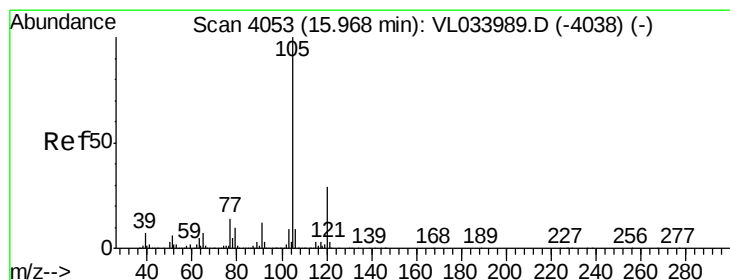
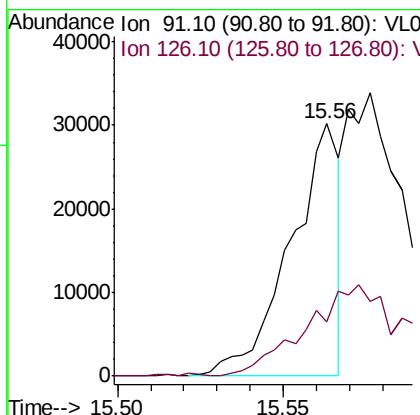
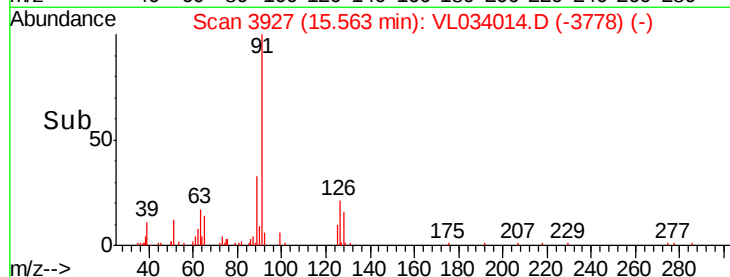
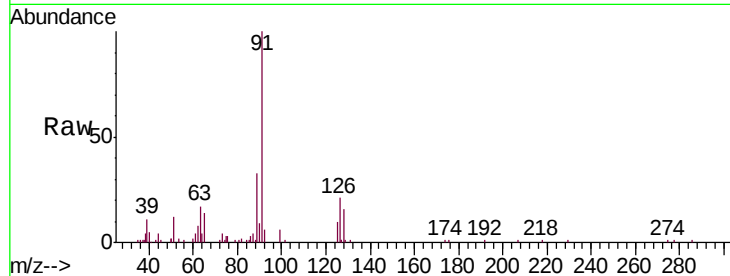




#71
2-Chlorotoluene
Concen: 0.101 ppbv
RT: 15.56 min Scan# 3927
Delta R.T. -0.02 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

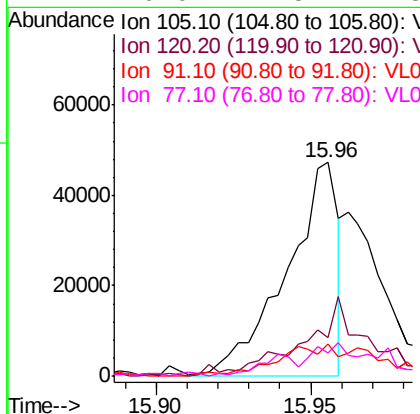
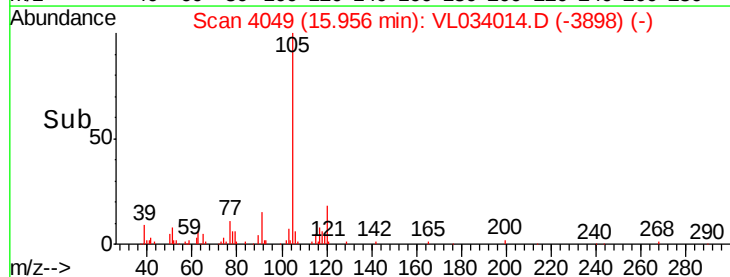
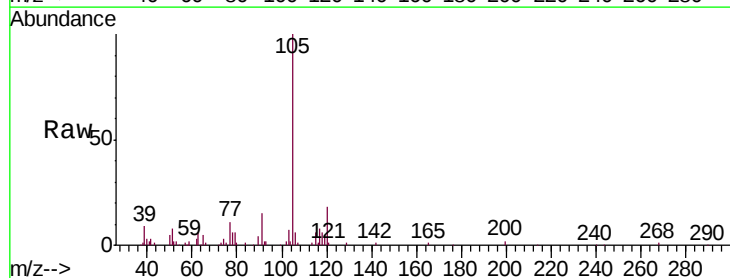
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

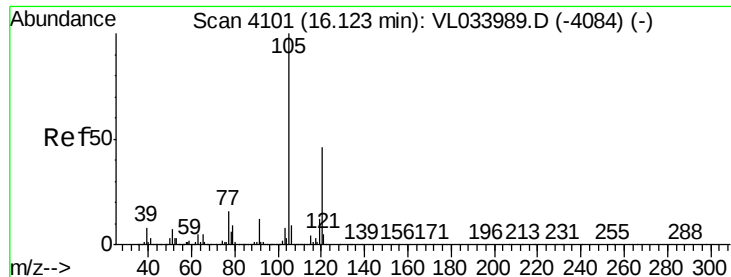
Tgt Ion: 91 Resp: 31021
Ion Ratio Lower Upper
91 100
126 0.0 12.3 49.3#



#72
4-Ethyltoluene
Concen: 0.155 ppbv
RT: 15.96 min Scan# 4049
Delta R.T. -0.01 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

Tgt Ion: 105 Resp: 54184
Ion Ratio Lower Upper
105 100
120 0.0 24.1 36.1#
91 31.3 10.6 16.0#
77 0.0 11.5 17.3#





#73

1,3,5-Trimethylbenzene

Concen: 0.168 ppbv

RT: 16.11 min Scan# 4097

Delta R.T. -0.01 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Instrument :

MSVOA_L

ClientSampleId :

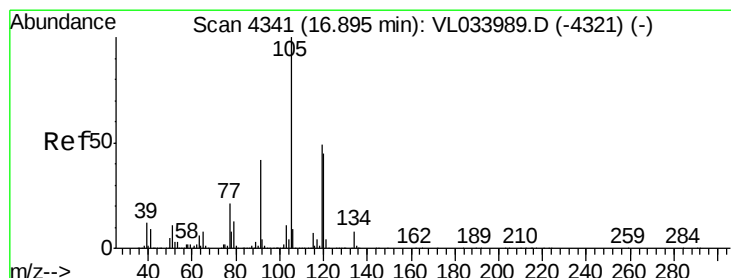
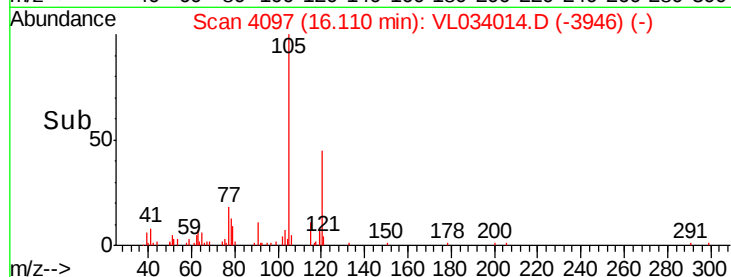
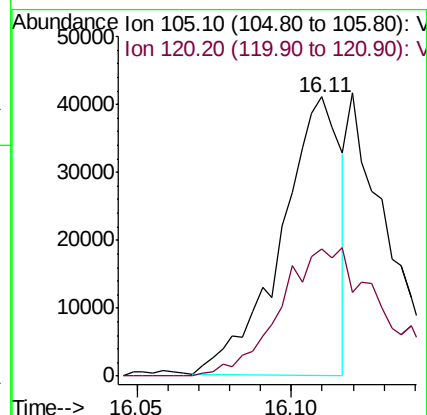
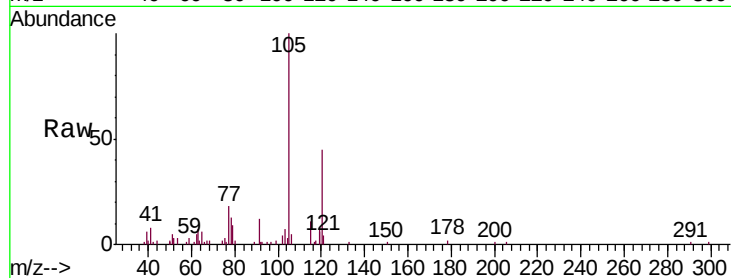
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:105 Resp: 54750

Ion Ratio Lower Upper

105 100

120 45.7 36.4 54.6



#74

1,2,4-Trimethylbenzene

Concen: 0.341 ppbv

RT: 16.88 min Scan# 4336

Delta R.T. -0.02 min

Lab File: VL034014.D

Acq: 8 Jul 2019 16:40

Tgt Ion:105 Resp: 122838

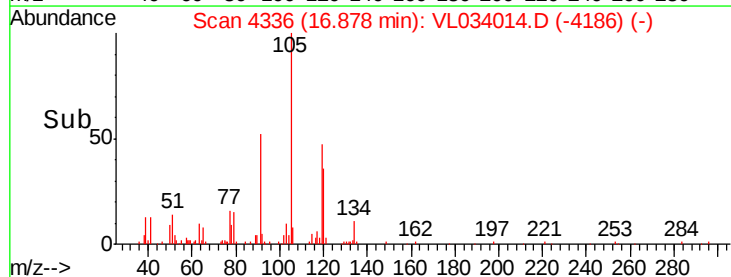
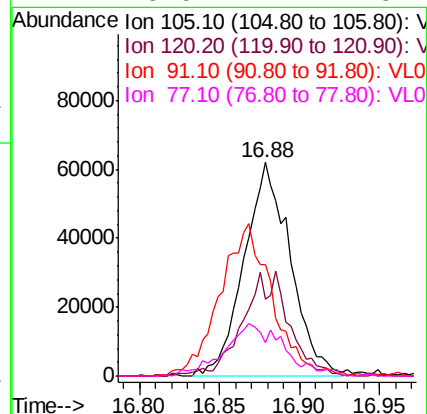
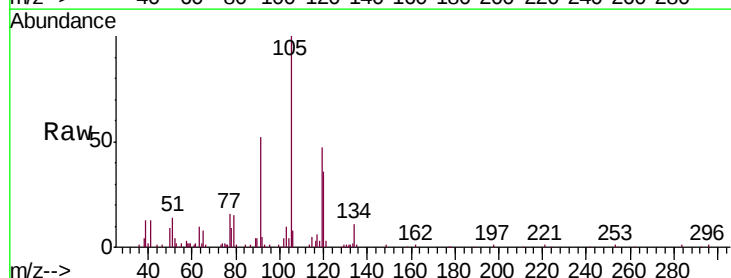
Ion Ratio Lower Upper

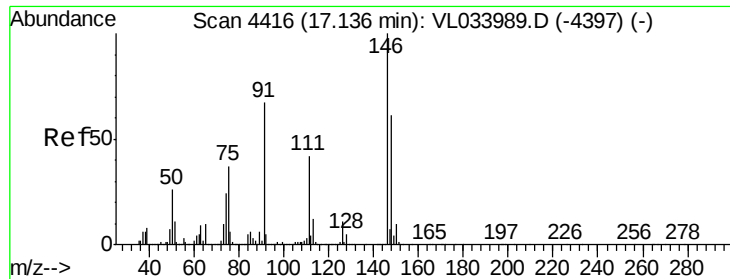
105 100

120 35.5 36.2 54.2#

91 50.0 34.3 51.5

77 15.5 17.1 25.7#

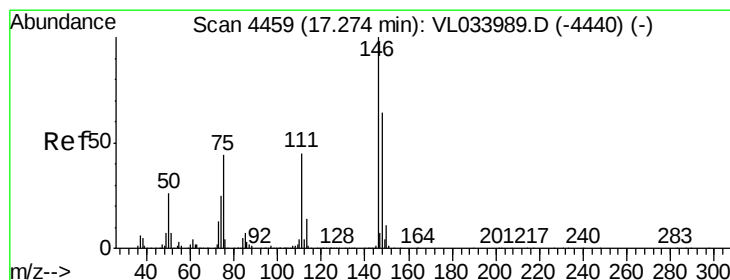
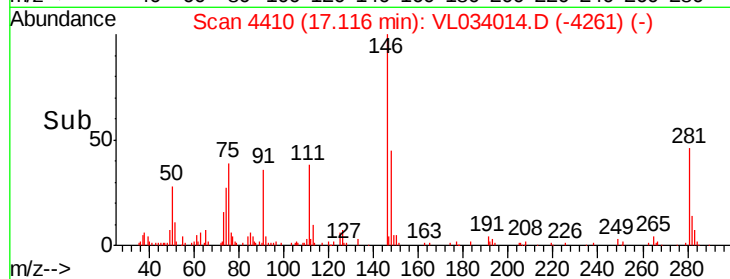
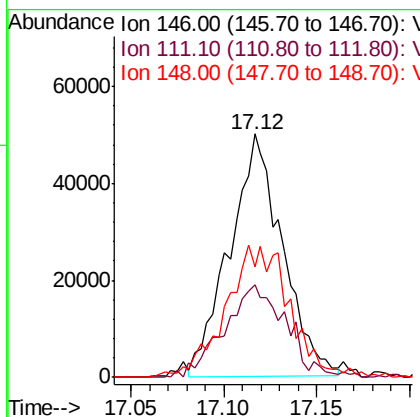
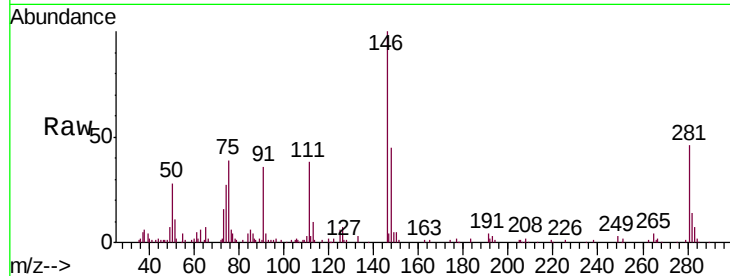




#75
 1,3-Dichlorobenzene
 Concen: 0.433 ppbv
 RT: 17.12 min Scan# 4410
 Delta R.T. -0.02 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

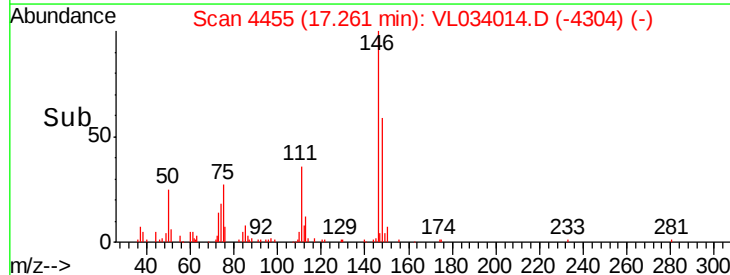
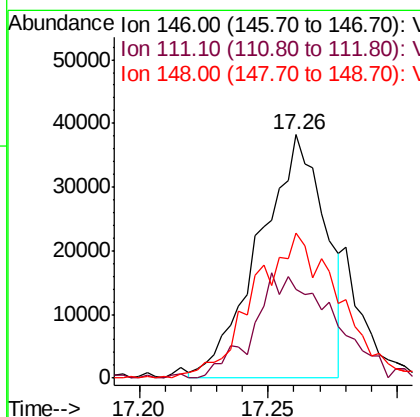
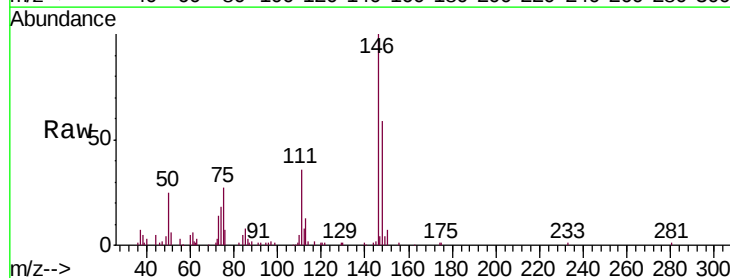
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT3-2019

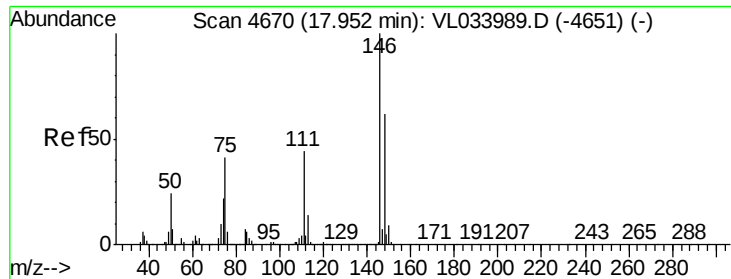
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.3	66.9
148	65.6	32.0	96.2



#76
 1,4-Dichlorobenzene
 Concen: 0.313 ppbv
 RT: 17.26 min Scan# 4455
 Delta R.T. -0.01 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.5	21.9	65.5
148	77.8	32.5	97.5

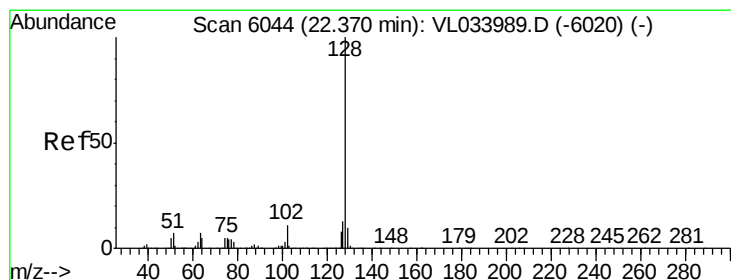
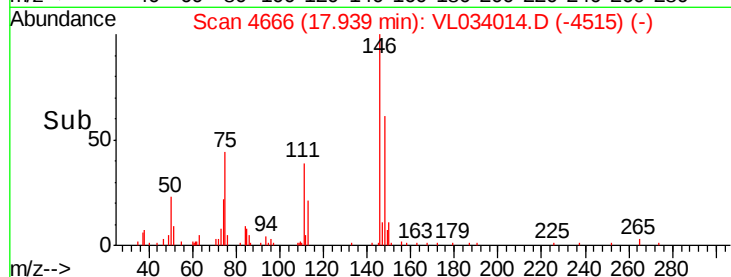
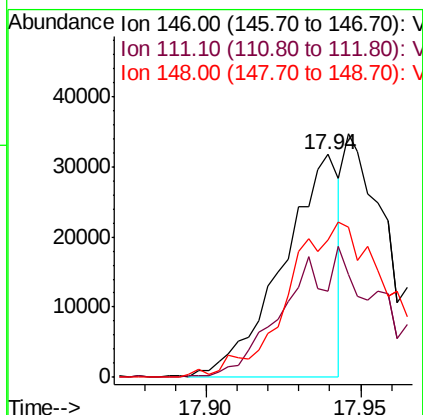
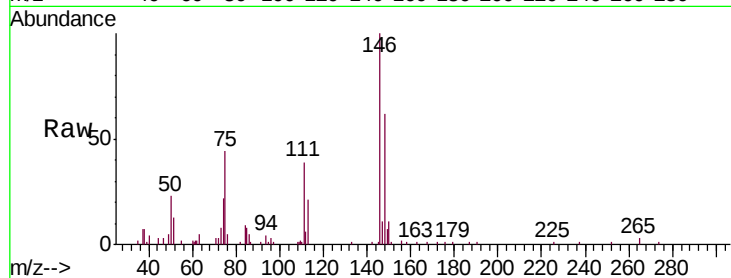




#77
 1,2-Dichlorobenzene
 Concen: 0.190 ppbv
 RT: 17.94 min Scan# 4666
 Delta R.T. -0.01 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

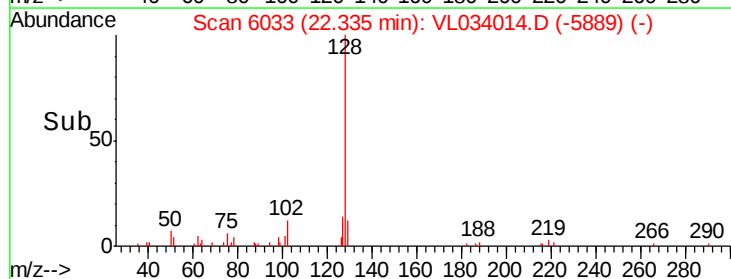
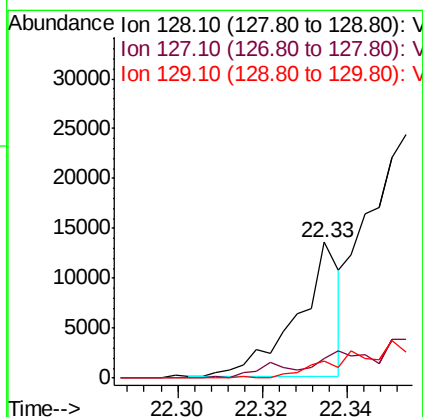
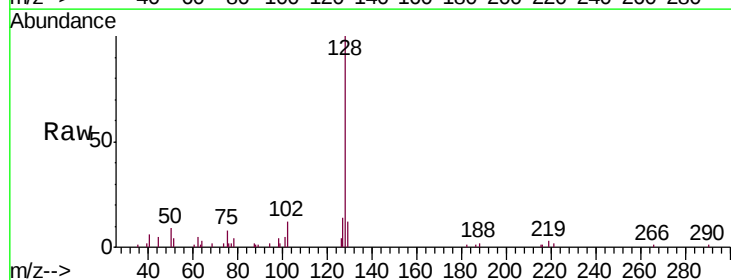
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT3-2019

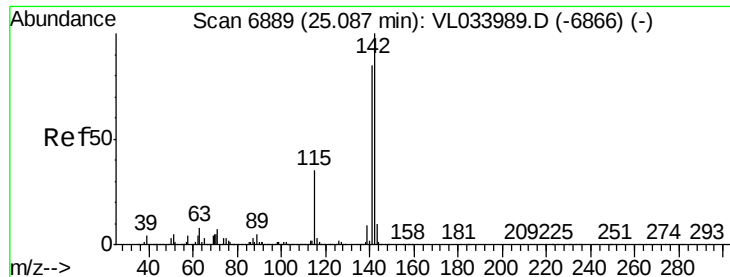
Tgt Ion:146 Resp: 40371
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.7 68.1#
 148 0.0 32.1 96.3#



#79
 Naphthalene
 Concen: 0.031 ppbv
 RT: 22.33 min Scan# 6033
 Delta R.T. -0.04 min
 Lab File: VL034014.D
 Acq: 8 Jul 2019 16:40

Tgt Ion:128 Resp: 9421
 Ion Ratio Lower Upper
 128 100
 127 14.3 10.6 15.8
 129 12.4 8.3 12.5

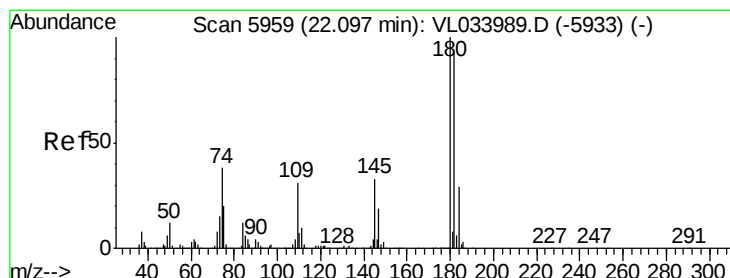
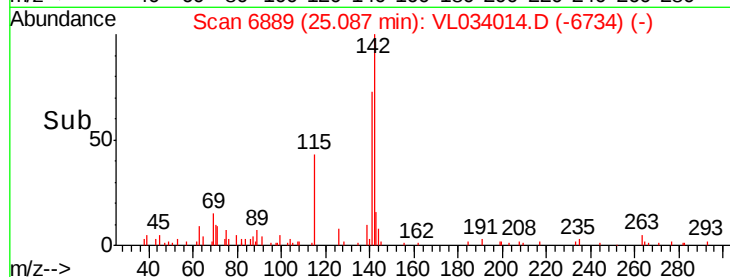
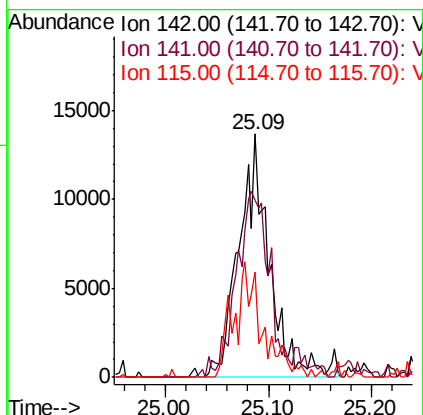
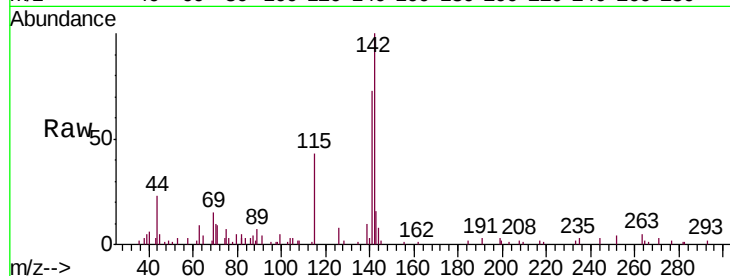




#80
Naphthalene, 2-methyl-
Concen: 0.256 ppbv
RT: 25.09 min Scan# 6889
Delta R.T. -0.00 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT3-2019

Tgt Ion:142 Resp: 28281
Ion Ratio Lower Upper
142 100
141 87.7 68.2 102.2
115 43.2 29.9 44.9



#81
1,2,4-Trichlorobenzene
Concen: 0.189 ppbv
RT: 22.08 min Scan# 5955
Delta R.T. -0.01 min
Lab File: VL034014.D
Acq: 8 Jul 2019 16:40

Tgt Ion:180 Resp: 36760
Ion Ratio Lower Upper
180 100
182 155.8 76.6 114.8#
184 52.1 24.6 36.8#

