

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101920\
 Data File : VL035793.D
 Acq On : 19 Oct 2020 14:03
 Operator : SY/AP
 Sample : L4214-15 MDL 0.4
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

Quant Time: Oct 20 08:10:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1132953	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	4199846	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	4056134	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3086913	10.16	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	94864	0.510	ppbv 98
3) Chlorodifluoromethane	2.97	51	52158	0.428	ppbv 100
4) Chloromethane	3.12	50	28255	0.432	ppbv 98
5) Vinyl Chloride	3.24	62	30898	0.399	ppbv 97
6) Bromomethane	3.45	94	26387	0.403	ppbv 87
7) Chloroethane	3.54	64	12480	0.439	ppbv # 82
8) Dichlorotetrafluoroethane	3.17	85	99607	0.442	ppbv 96
9) Propene	2.99	41	16574	0.375	ppbv 98
10) Heptane	8.11	43	36111	0.293	ppbv 99
11) Trichlorofluoromethane	3.93	101	113700	0.429	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	84436	0.427	ppbv 99
13) Ethanol	3.58	45	1629	0.149	ppbv # 38
14) Bromoethene	3.72	108	30812	0.370	ppbv # 99
15) Acetone	3.84	43	65682	0.539	ppbv # 87
16) 1,3-Butadiene	3.31	39	16093	0.361	ppbv 97
17) tert-Butyl alcohol	4.29	59	56413	0.425	ppbv 98
18) 1,1-Dichloroethene	4.27	96	33875	0.391	ppbv 91
19) Isopropyl Alcohol	3.96	45	29371	0.443	ppbv # 91
20) Methylene Chloride	4.33	84	47121	0.526	ppbv 98
21) Allyl Chloride	4.39	41	21689	0.367	ppbv 93
22) trans-1,2-Dichloroethene	4.86	96	36902	0.403	ppbv 92
23) Vinyl Acetate	5.06	43	61379	0.411	ppbv # 92
24) 1,1-Dichloroethane	4.99	63	66198	0.407	ppbv 99
25) Ethyl Acetate	5.66	43	85216	0.388	ppbv 98
26) Hexane	5.67	57	42708	0.355	ppbv # 84
27) Carbon Disulfide	4.53	76	65634	0.366	ppbv # 96
28) Methyl tert-Butyl Ether	5.03	73	60352	0.317	ppbv 97
29) Chloroform	5.73	83	99931	0.409	ppbv 92
30) Cyclohexane	7.11	84	10964	0.092	ppbv # 7
31) cis-1,2-Dichloroethene	5.53	61	33816	0.291	ppbv 90
32) 1,1,1-Trichloroethane	6.49	97	84524	0.393	ppbv 98
34) 2-Butanone	5.23	43	48724	0.351	ppbv 95
35) Carbon Tetrachloride	7.00	117	85274	0.389	ppbv 96
36) Benzene	6.87	78	83458	0.305	ppbv 96
37) 1,2-Dichloroethane	6.29	62	56730	0.398	ppbv 98
38) Trichloroethene	7.82	130	44678	0.327	ppbv 96
39) 1,2-Dichloropropane	7.59	63	36744	0.370	ppbv # 89
40) 1,4-Dioxane	7.85	88	14597	0.322	ppbv 82
41) Tetrahydrofuran	6.06	42	17306	0.247	ppbv 91
42) Bromodichloromethane	7.77	83	82628	0.360	ppbv # 99
43) Methyl Methacrylate	8.00	69	27727	0.255	ppbv 91

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 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

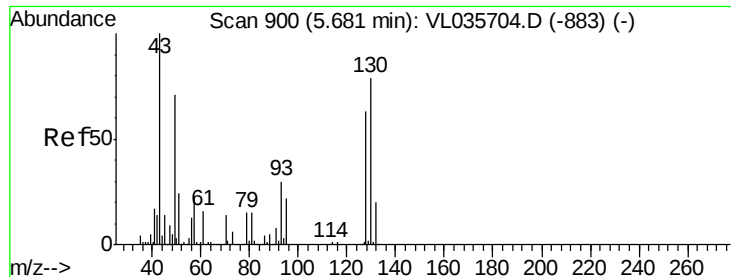
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

Quant Time: Oct 20 08:10:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.85	57	128722	0.328	ppbv	# 93
45) t-1,3-Dichloropropene	9.26	75	27797	0.253	ppbv	90
46) cis-1,3-Dichloropropene	8.69	75	33839	0.250	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	52504	0.370	ppbv	96
48) Dibromochloromethane	10.29	129	69306	0.321	ppbv	98
49) Bromoform	13.03	173	53751	0.293	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	60057	0.296	ppbv	90
51) 2-Hexanone	10.14	43	40038	0.245	ppbv	# 88
52) Tetrachloroethene	11.21	164	44280	0.336	ppbv	96
53) Toluene	9.79	91	78707	0.244	ppbv	96
54) 1,2-Dibromoethane	10.60	107	74719	0.351	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	65449	0.385	ppbv	# 1
57) Chlorobenzene	12.13	112	131095	0.428	ppbv	# 95
58) Ethyl Benzene	12.96	91	82525	0.203	ppbv	88
59) m/p-Xylene	12.99	91	126759	0.357	ppbv	# 60
60) o-Xylene	13.68	91	108749	0.302	ppbv	96
61) Styrene	13.52	104	53878	0.217	ppbv	99
62) Isopropylbenzene	14.66	105	173270	0.311	ppbv	95
63) 1,1,2,2-Tetrachloroethane	13.67	83	121962	0.414	ppbv	99
64) n-propylbenzene	15.56	120	46836	0.287	ppbv	# 58
65) tert-Butylbenzene	16.74	119	148927	0.294	ppbv	95
66) Benzyl Chloride	16.98	91	48748	0.317	ppbv	# 89
67) sec-Butylbenzene	17.29	105	223851	0.320	ppbv	92
69) p-Isopropyltoluene	17.65	119	154463	0.271	ppbv	96
70) n-Butylbenzene	18.55	91	176105	0.300	ppbv	# 88
71) 2-Chlorotoluene	15.45	91	116100	0.285	ppbv	98
72) 4-Ethyltoluene	15.84	105	109872	0.258	ppbv	97
73) 1,3,5-Trimethylbenzene	15.99	105	60996	0.152	ppbv	92
74) 1,2,4-Trimethylbenzene	16.76	105	149825	0.330	ppbv	93
75) 1,3-Dichlorobenzene	16.99	146	62496	0.202	ppbv	# 23
76) 1,4-Dichlorobenzene	17.13	146	107101	0.362	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	103407	0.353	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	61090	0.378	ppbv	98
79) Naphthalene	22.21	128	99003	0.229	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	9254	0.091	ppbv	92
81) 1,2,4-Trichlorobenzene	21.94	180	66576	0.297	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.04 min

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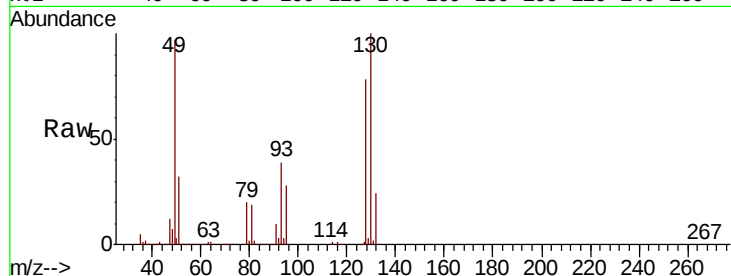
Tot Ion: 49 Resp: 1132953

Ion Ratio Lower Upper

49 100

128 81.3 43.1 129.4

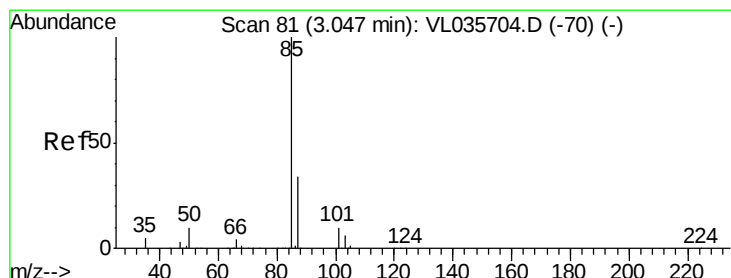
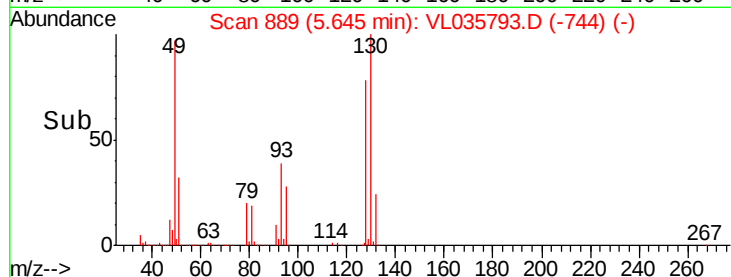
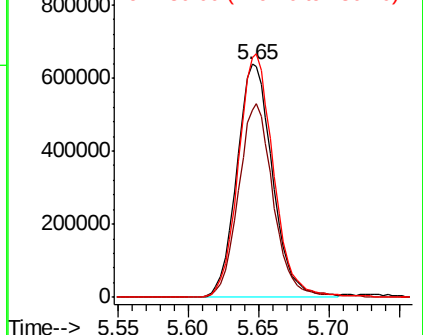
130 103.6 54.9 164.7



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: 0.510 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL035793.D

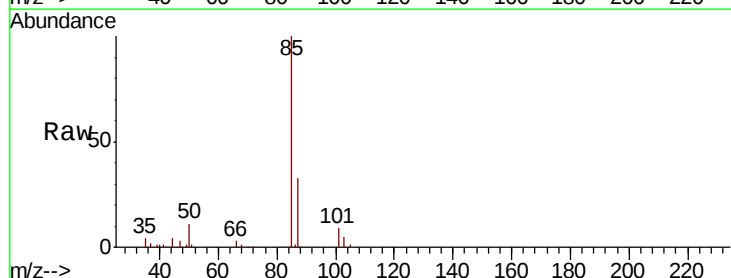
Acq: 19 Oct 2020 14:03

Tgt Ion: 85 Resp: 94864

Ion Ratio Lower Upper

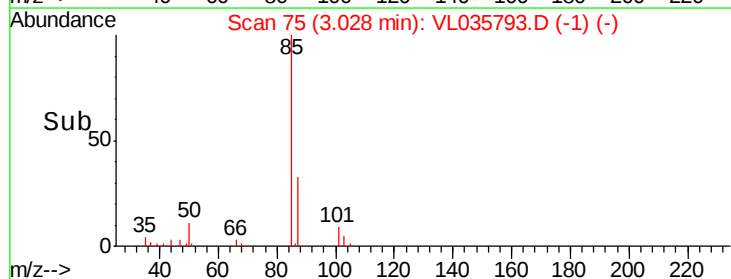
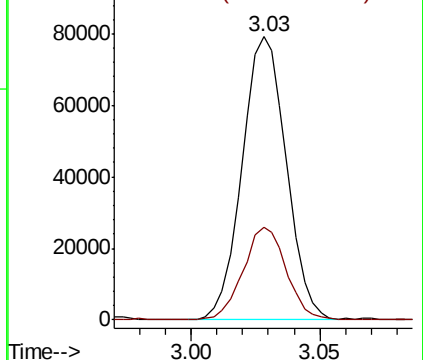
85 100

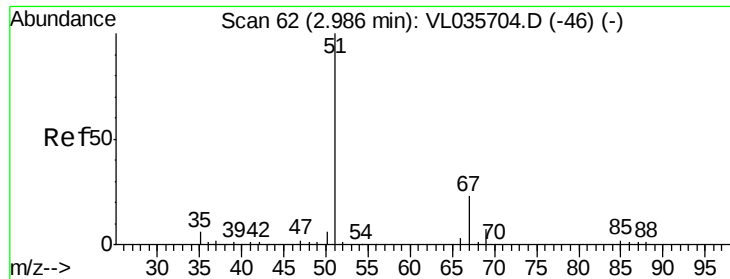
87 32.7 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

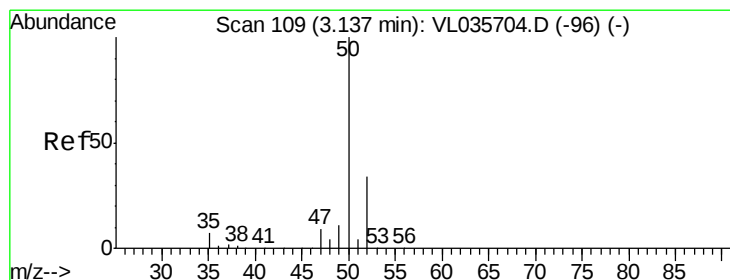
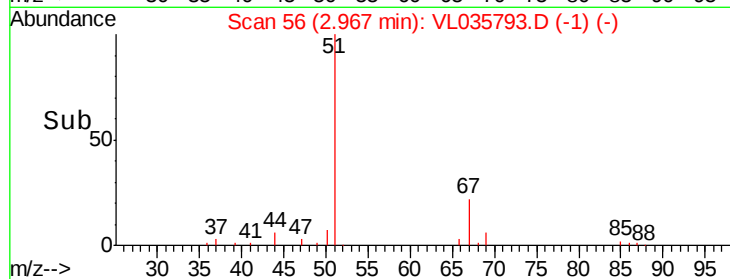
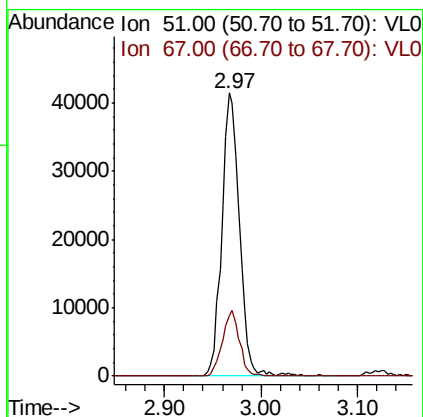
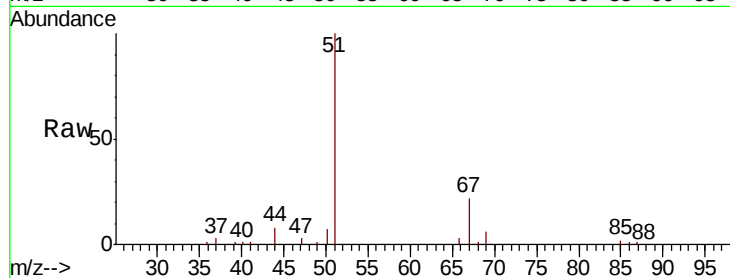




#3
 Chlorodifluoromethane
 Concen: 0.428 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. -0.02 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

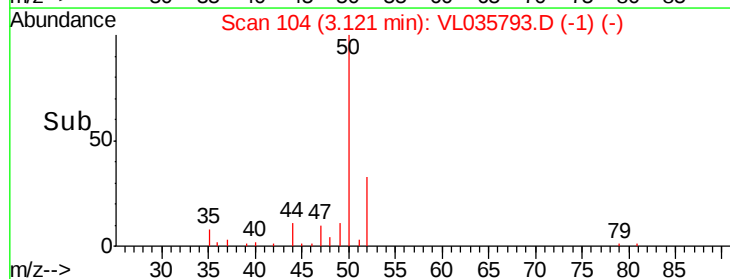
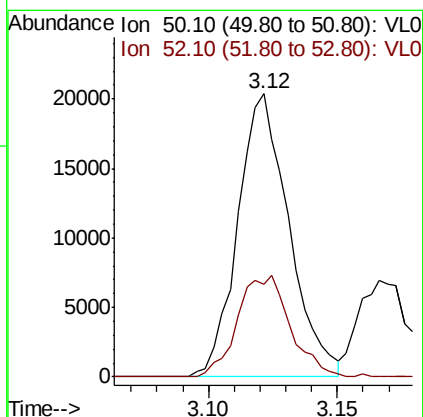
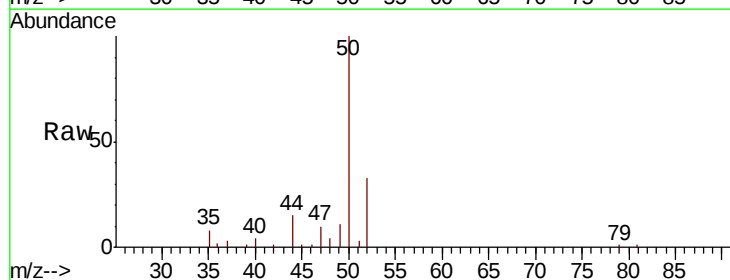
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

Tot Ion: 51 Resp: 52158
 Ion Ratio Lower Upper
 51 100
 67 22.2 17.8 26.8



#4
 Chloromethane
 Concen: 0.432 ppbv
 RT: 3.12 min Scan# 104
 Delta R.T. -0.02 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

Tgt Ion: 50 Resp: 28255
 Ion Ratio Lower Upper
 50 100
 52 32.6 26.8 40.2





#5

Vinyl Chloride

Concen: 0.399 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.02 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

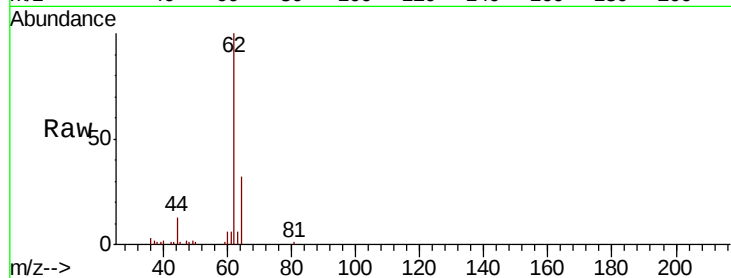
MDL-AIR-01-QT4-2020

Tot Ion: 62 Resp: 30898

Ion Ratio Lower Upper

62 100

64 31.9 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

25000

20000

15000

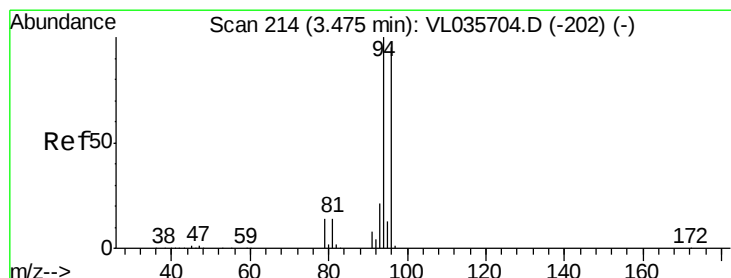
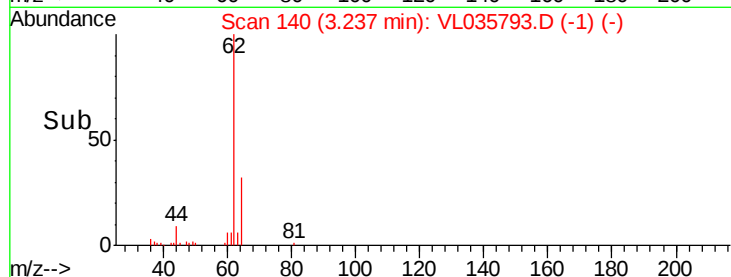
10000

5000

0

Time-->

3.20 3.25 3.30



#6

Bromomethane

Concen: 0.403 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.02 min

Lab File: VL035793.D

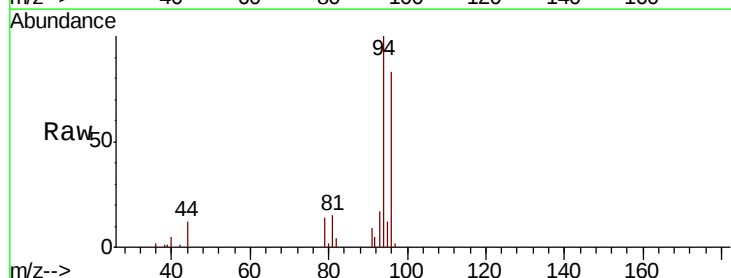
Acq: 19 Oct 2020 14:03

Tgt Ion: 94 Resp: 26387

Ion Ratio Lower Upper

94 100

96 82.9 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

20000

15000

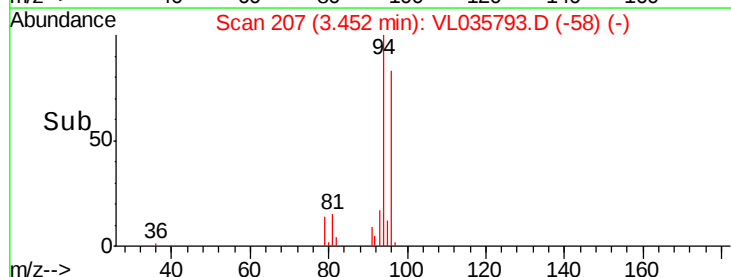
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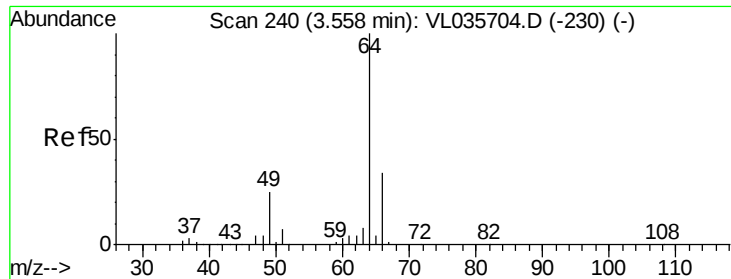
5000

0

Time-->

3.40 3.45 3.50





#7

Chloroethane

Concen: 0.439 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.02 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

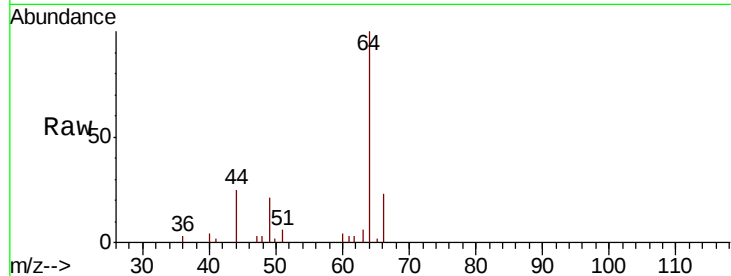
MDL-AIR-01-QT4-2020

Tot Ion: 64 Resp: 12480

Ion Ratio Lower Upper

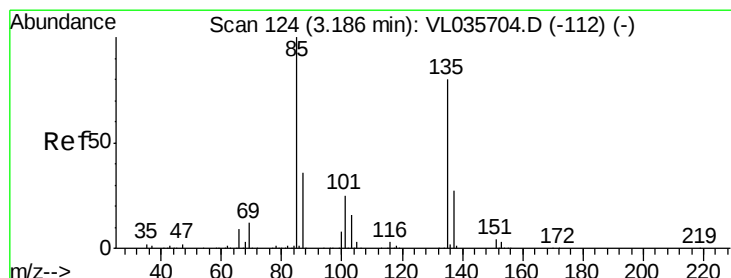
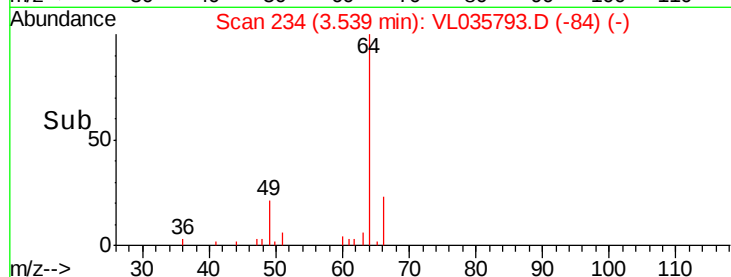
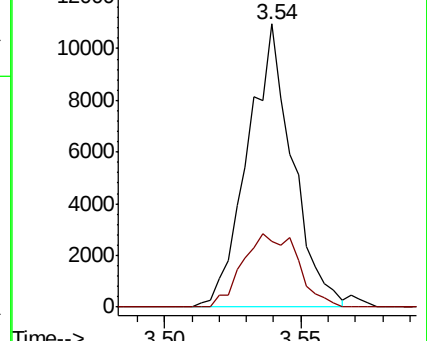
64 100

66 23.1 26.9 40.3#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.442 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL035793.D

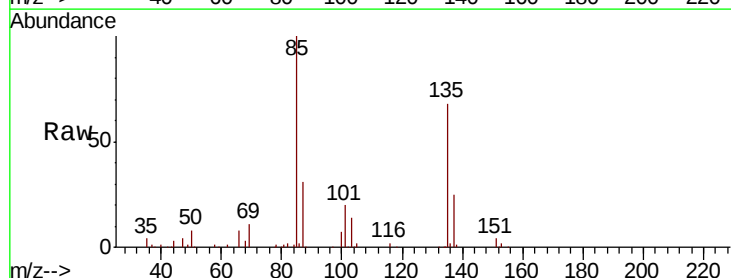
Acq: 19 Oct 2020 14:03

Tgt Ion: 85 Resp: 99607

Ion Ratio Lower Upper

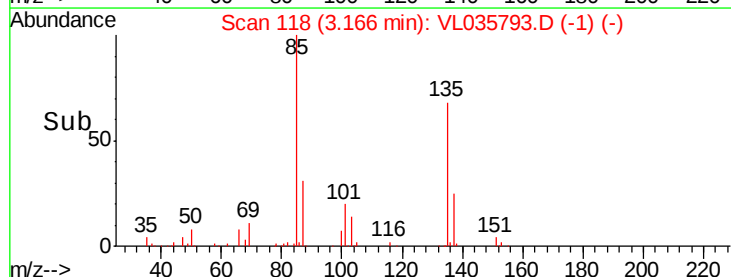
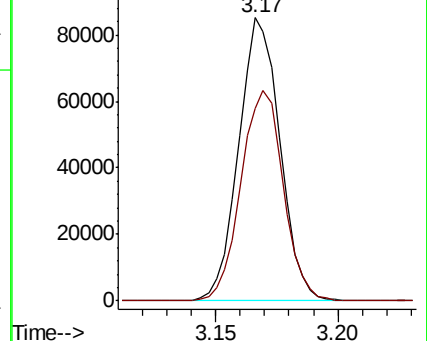
85 100

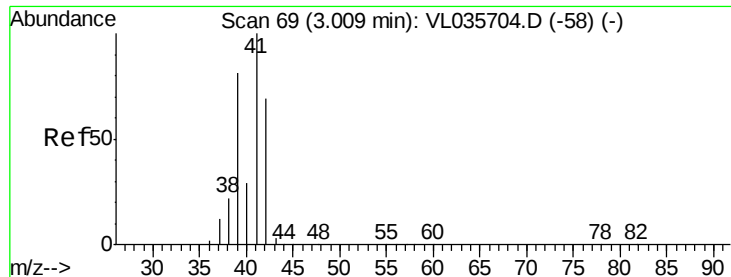
135 76.5 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.375 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

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MSVOA_L

ClientSampleId :

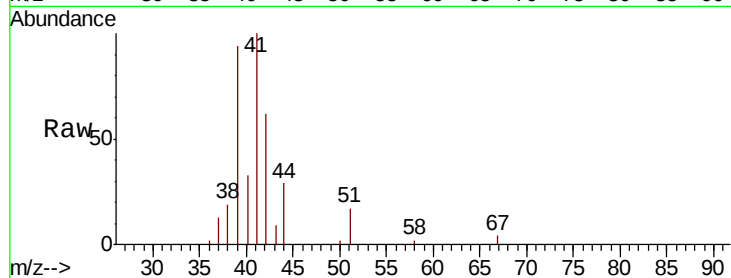
MDL-AIR-01-QT4-2020

Tot Ion: 41 Resp: 16574

Ion Ratio Lower Upper

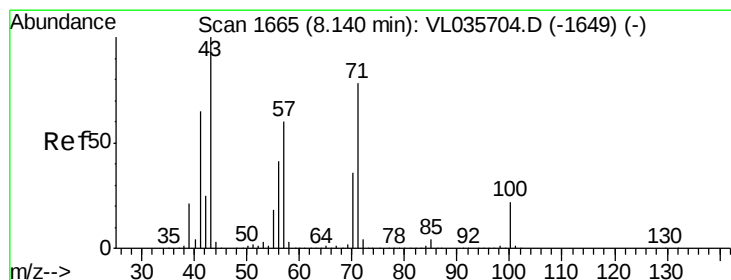
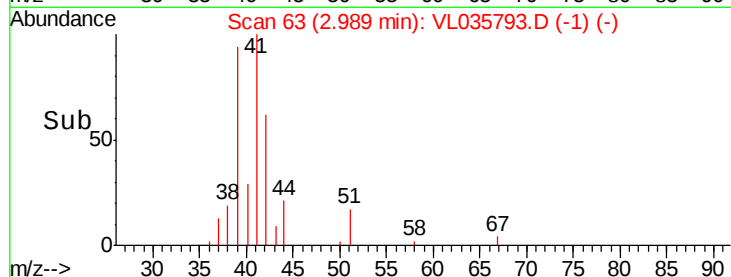
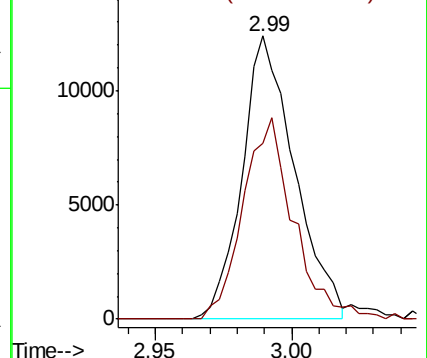
41 100

42 68.7 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.293 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.03 min

Lab File: VL035793.D

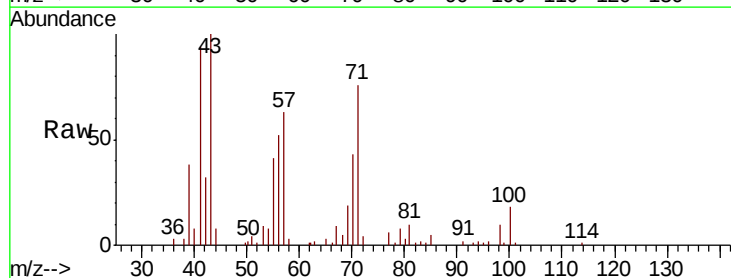
Acq: 19 Oct 2020 14:03

Tgt Ion: 43 Resp: 36111

Ion Ratio Lower Upper

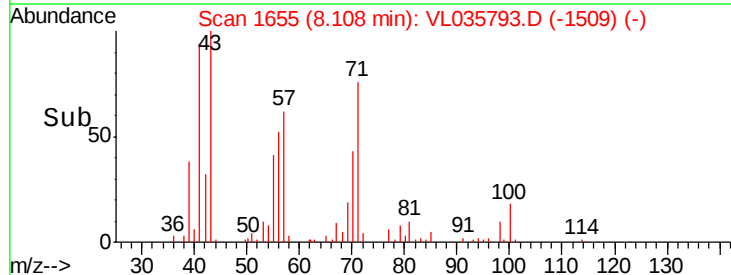
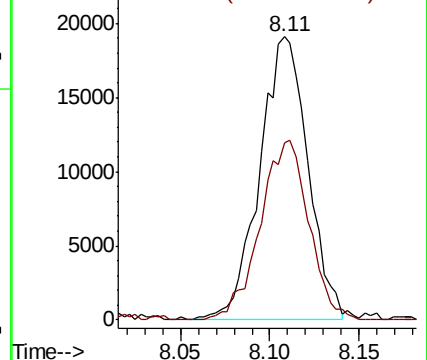
43 100

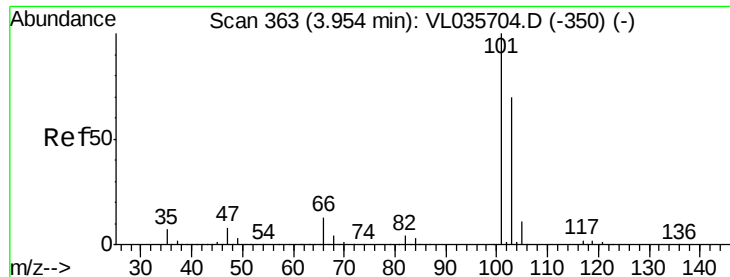
57 64.0 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

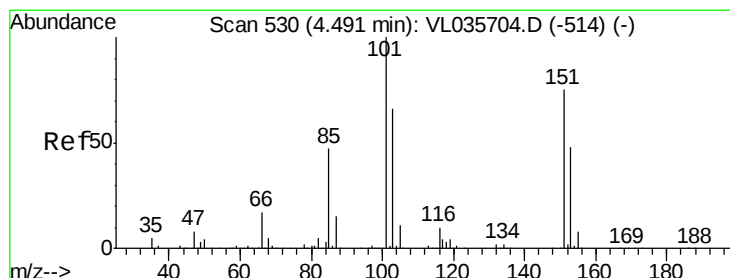
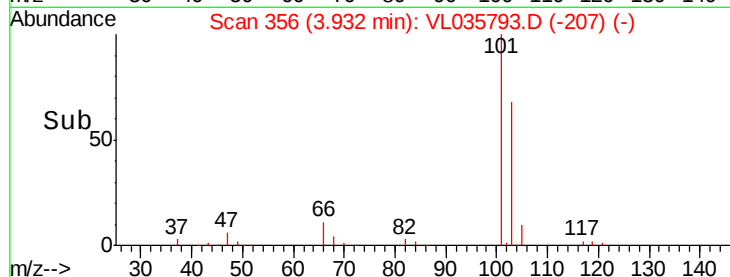
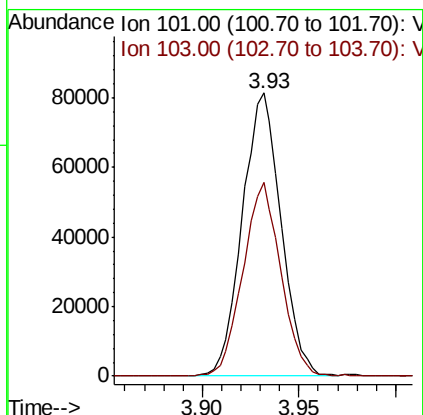
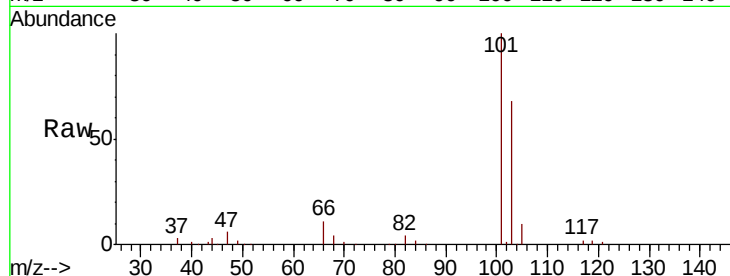




#11
 Trichlorofluoromethane
 Concen: 0.429 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.02 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

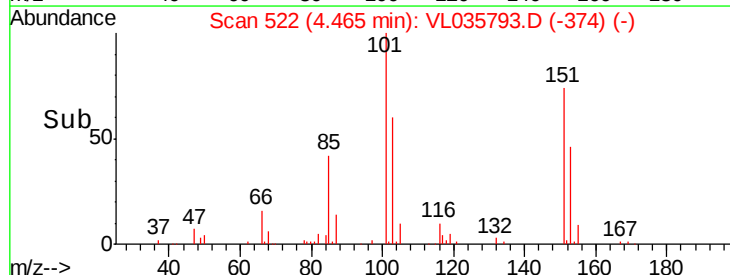
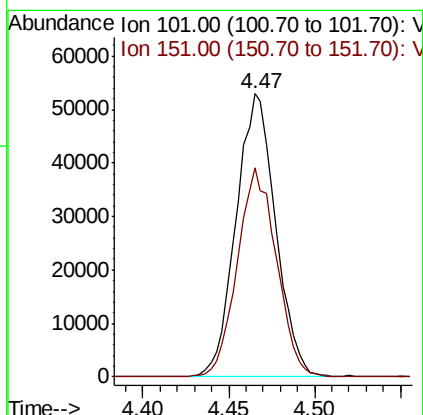
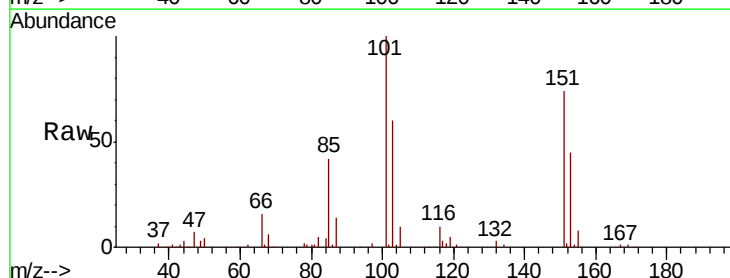
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

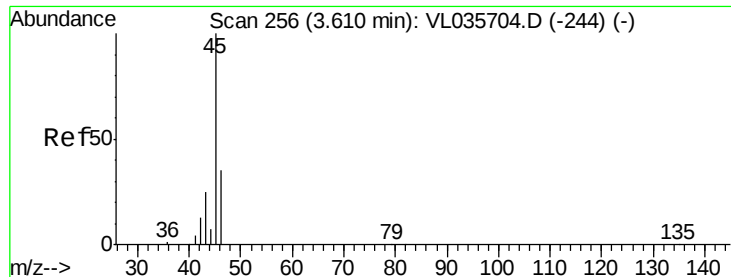
Tot Ion:101 Resp: 113700
 Ion Ratio Lower Upper
 101 100
 103 68.4 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.427 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.03 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

Tgt Ion:101 Resp: 84436
 Ion Ratio Lower Upper
 101 100
 151 72.8 59.1 88.7





#13

Ethanol

Concen: 0.149 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.03 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

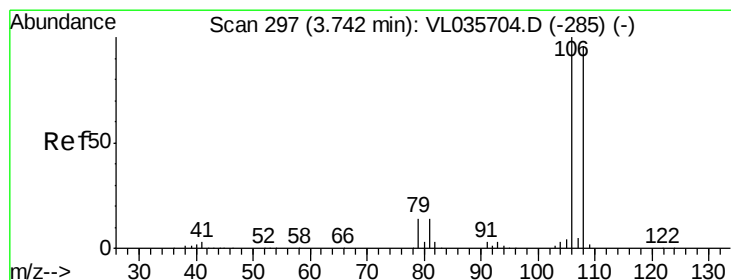
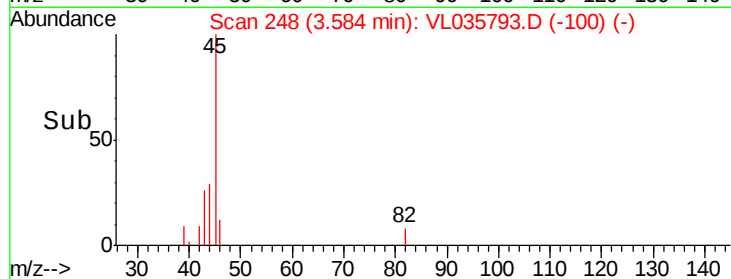
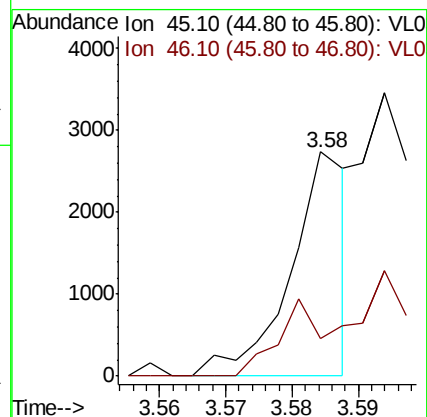
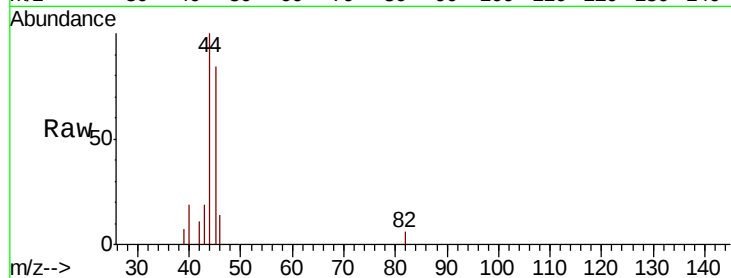
MDL-AIR-01-QT4-2020

Tot Ion: 45 Resp: 1629

Ion Ratio Lower Upper

45 100

46 0.0 14.7 58.7#



#14

Bromoethene

Concen: 0.370 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.02 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

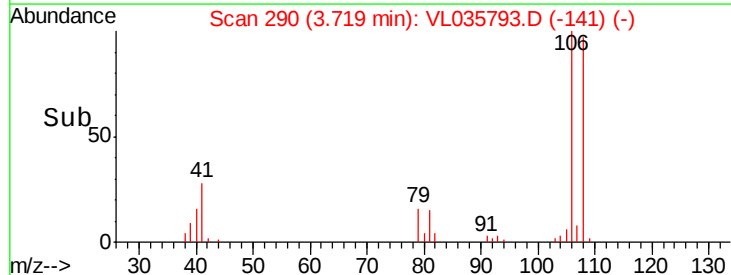
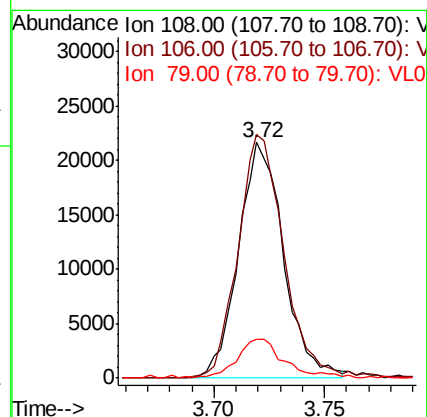
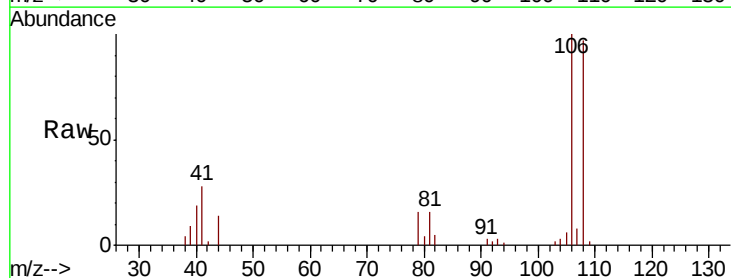
Tgt Ion: 108 Resp: 30812

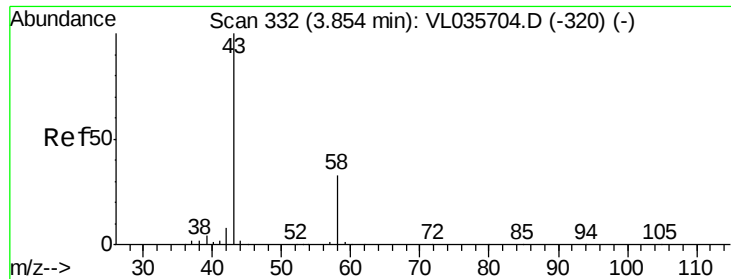
Ion Ratio Lower Upper

108 100

106 105.9 84.6 126.8

79 17.8 11.6 17.4#





#15

Acetone

Concen: 0.539 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

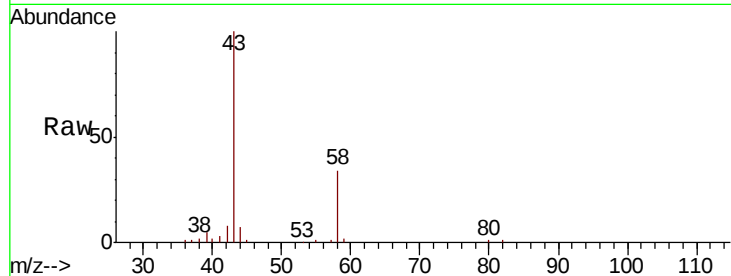
MDL-AIR-01-QT4-2020

Tot Ion: 43 Resp: 65682

Ion Ratio Lower Upper

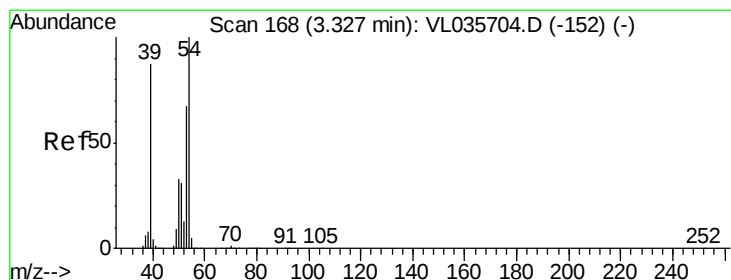
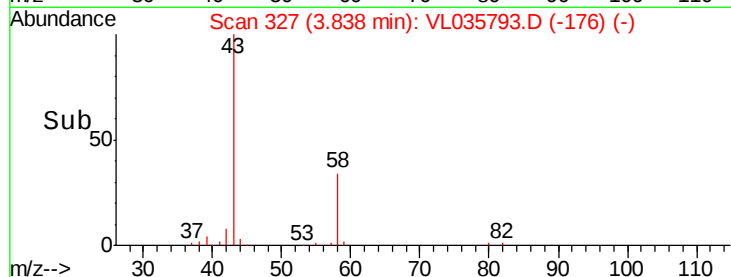
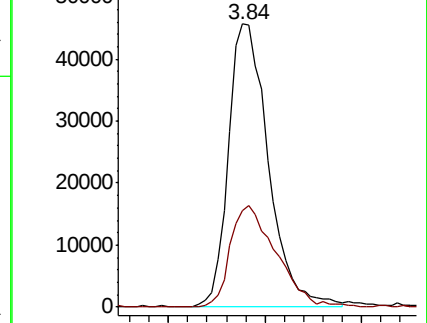
43 100

58 41.6 27.3 40.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.361 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL035793.D

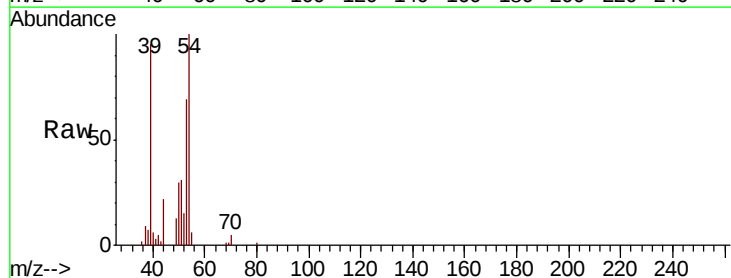
Acq: 19 Oct 2020 14:03

Tgt Ion: 39 Resp: 16093

Ion Ratio Lower Upper

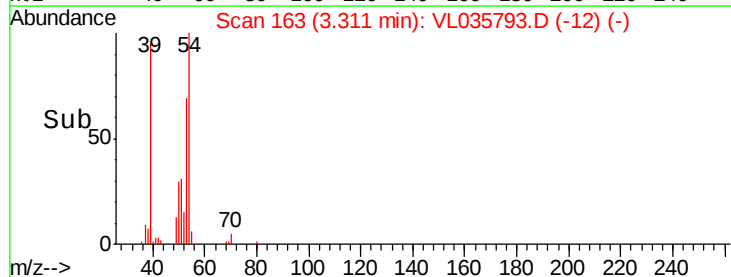
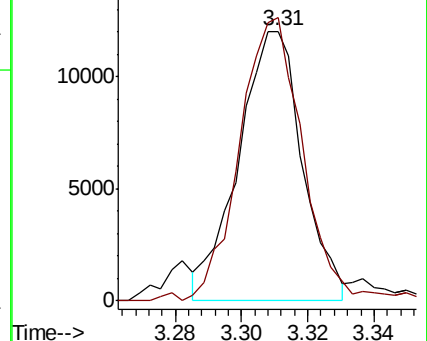
39 100

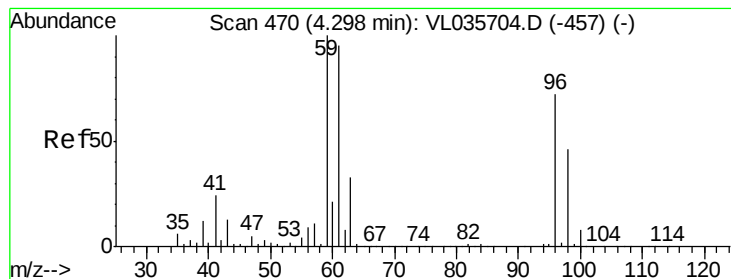
54 105.7 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.425 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

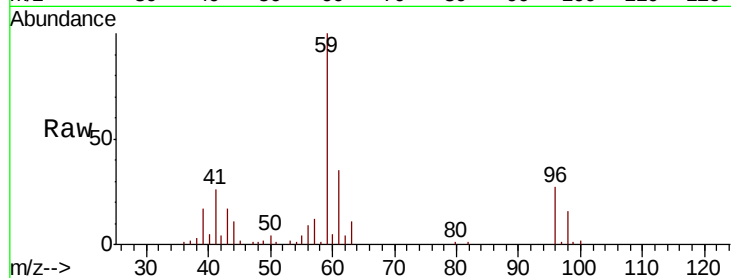
MDL-AIR-01-QT4-2020

Tot Ion: 59 Resp: 56413

Ion Ratio Lower Upper

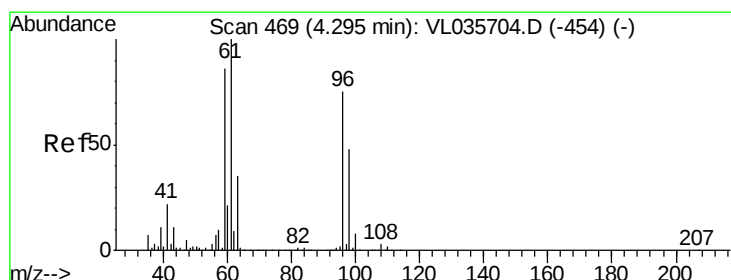
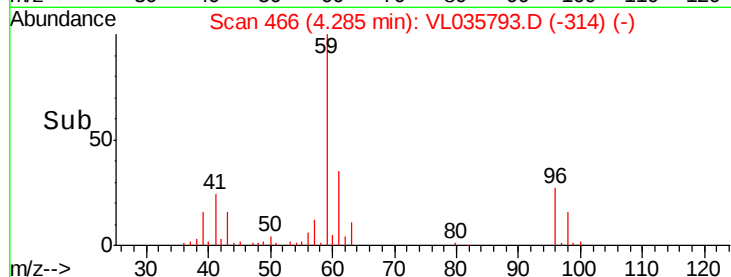
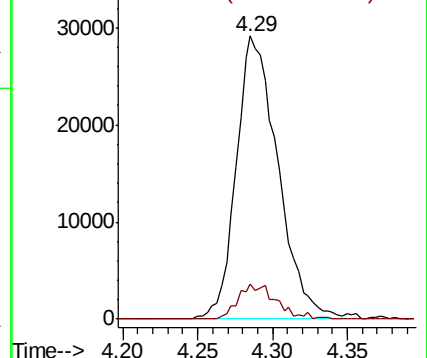
59 100

57 11.3 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.391 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.03 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

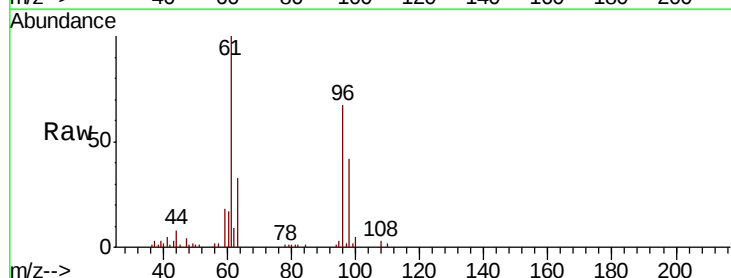
Tgt Ion: 96 Resp: 33875

Ion Ratio Lower Upper

96 100

61 148.0 106.7 160.1

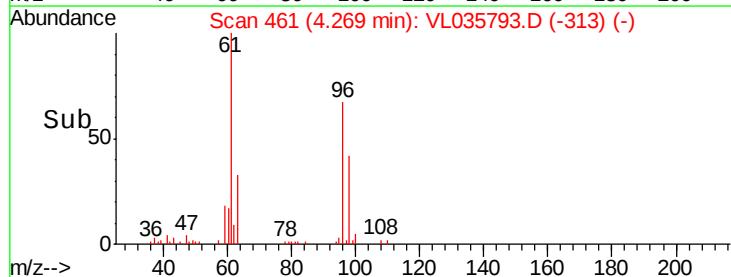
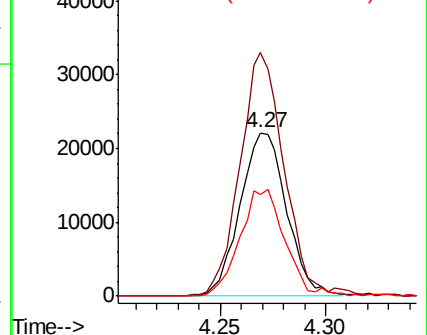
98 62.4 50.8 76.2

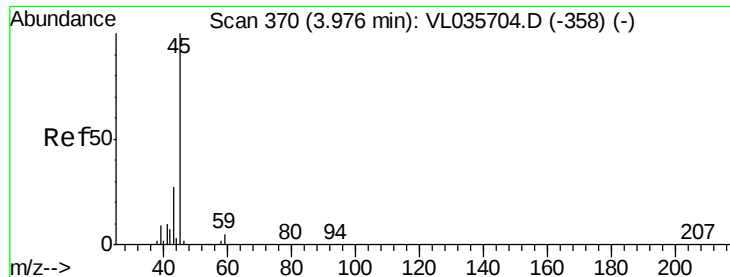


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.443 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.02 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

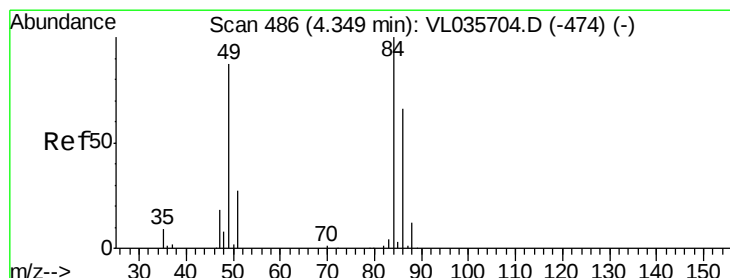
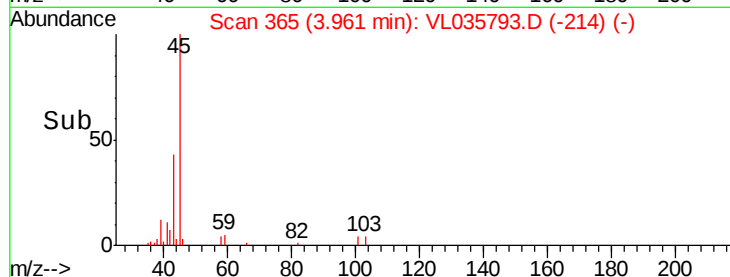
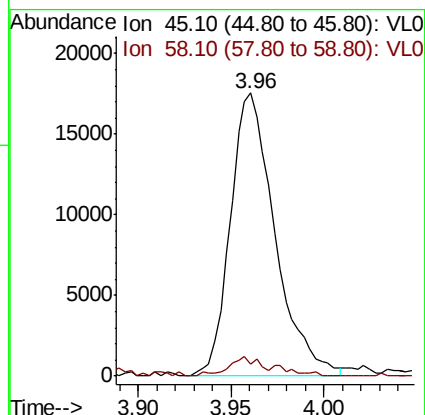
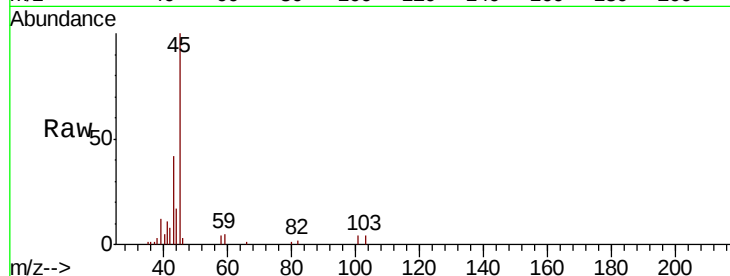
MDL-AIR-01-QT4-2020

Tot Ion: 45 Resp: 29371

Ion Ratio Lower Upper

45 100

58 6.5 2.8 4.2#



#20

Methylene Chloride

Concen: 0.526 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Tgt Ion: 84 Resp: 47121

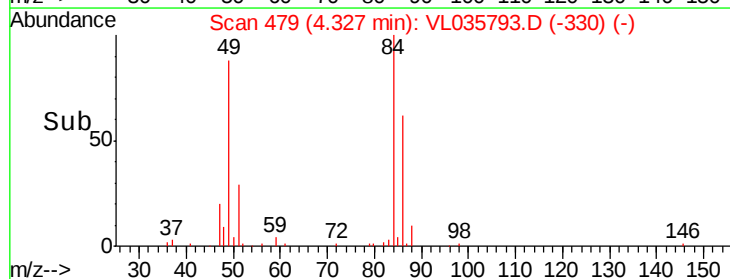
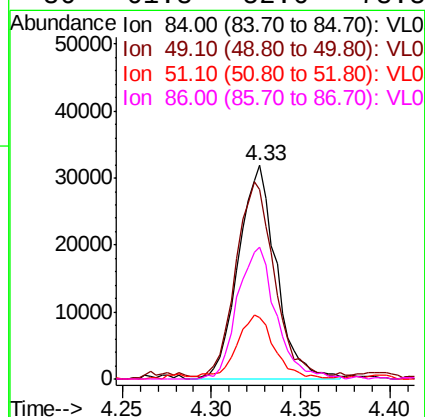
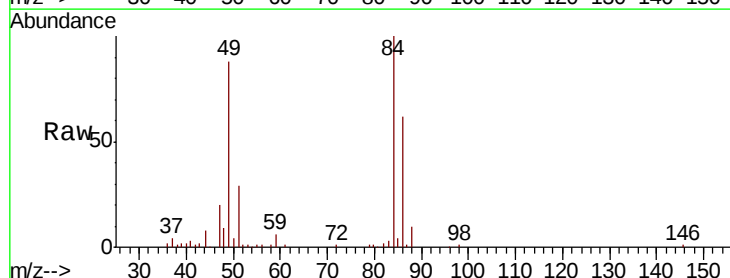
Ion Ratio Lower Upper

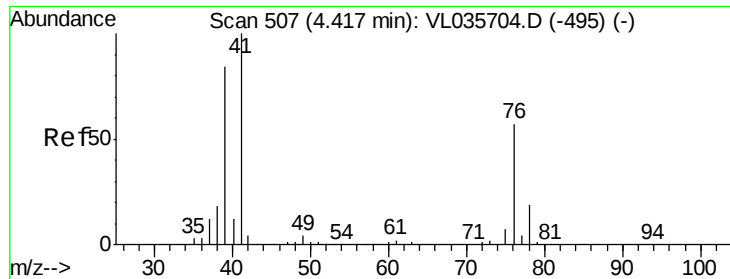
84 100

49 87.2 69.8 104.6

51 27.5 21.8 32.8

86 61.8 52.6 78.8

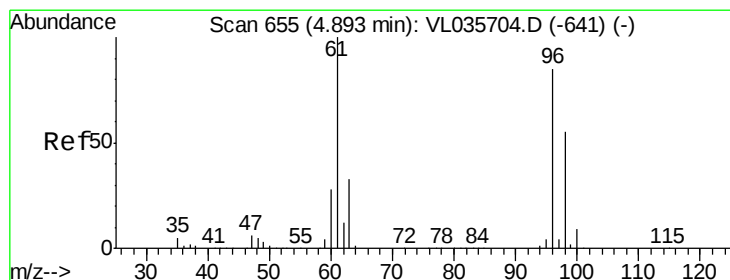
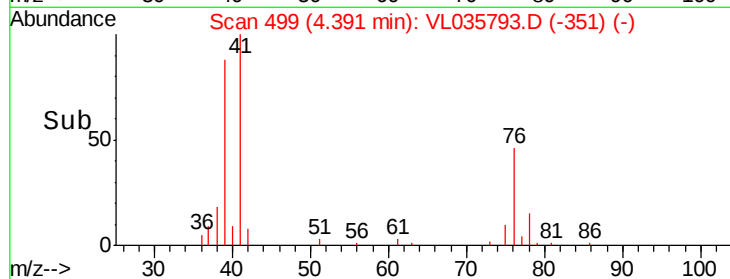
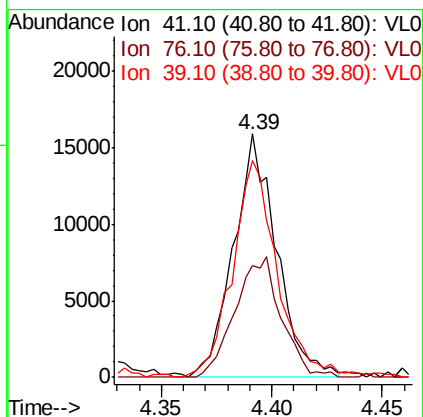
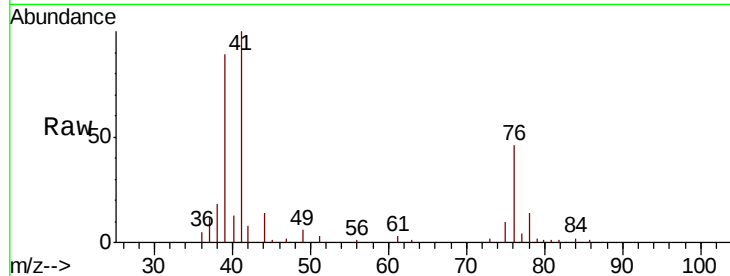




#21
Allvl Chloride
Concen: 0.367 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

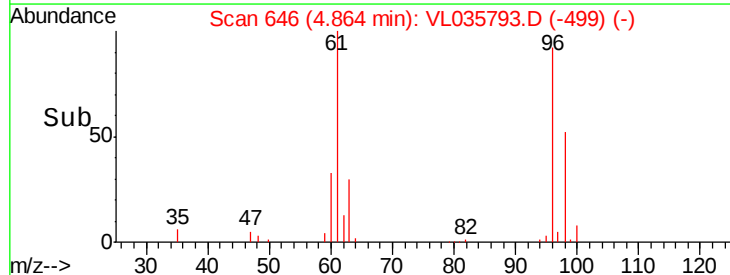
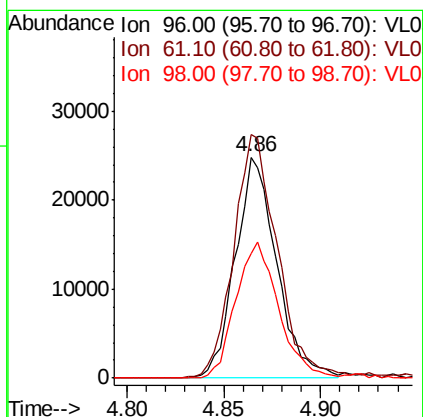
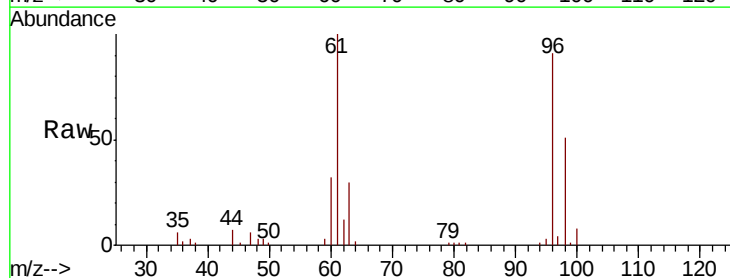
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

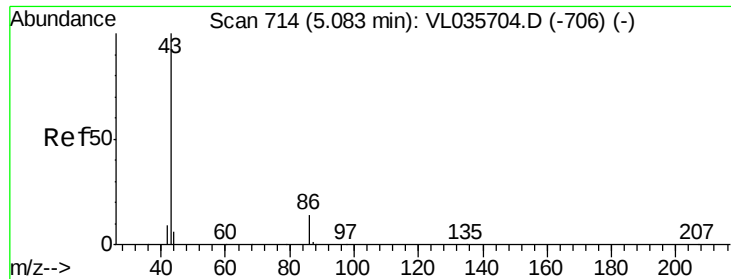
Tot Ion: 41 Resp: 21689
Ion Ratio Lower Upper
41 100
76 53.0 44.8 67.2
39 93.0 68.4 102.6



#22
trans-1,2-Dichloroethene
Concen: 0.403 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 96 Resp: 36902
Ion Ratio Lower Upper
96 100
61 109.4 93.7 140.5
98 56.6 51.2 76.8





#23

Vinyl Acetate

Concen: 0.411 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.03 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

Tot Ion: 43 Resp: 61379

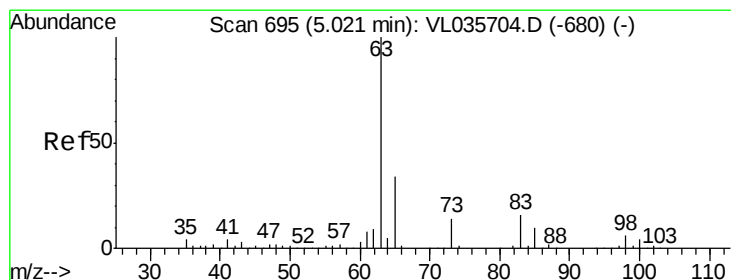
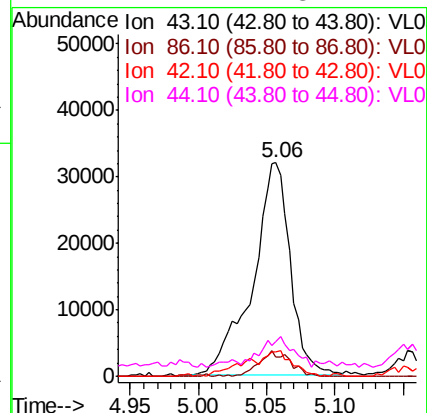
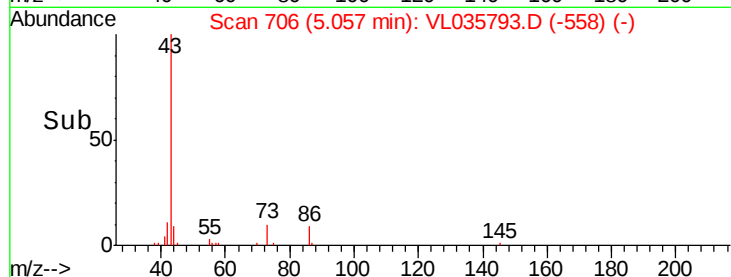
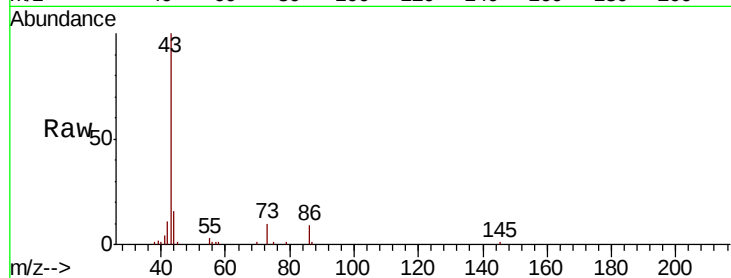
Ion Ratio Lower Upper

43 100

86 8.9 9.7 14.5#

42 11.2 7.9 11.9

44 11.2 4.8 7.2#



#24

1,1-Dichloroethane

Concen: 0.407 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.03 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

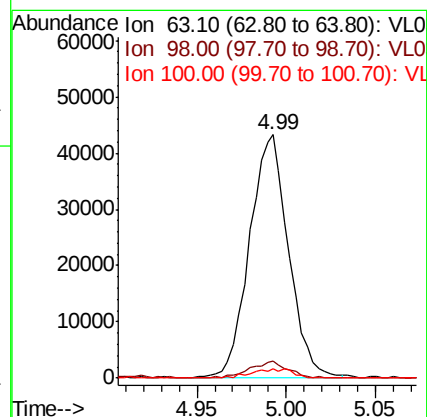
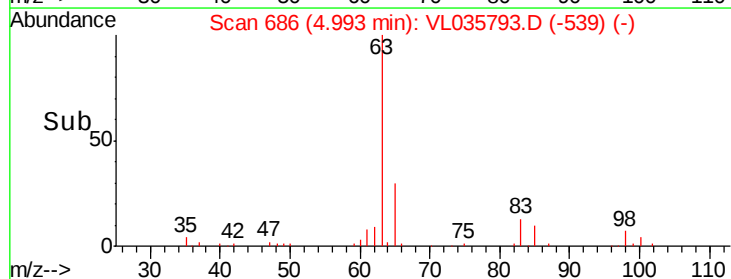
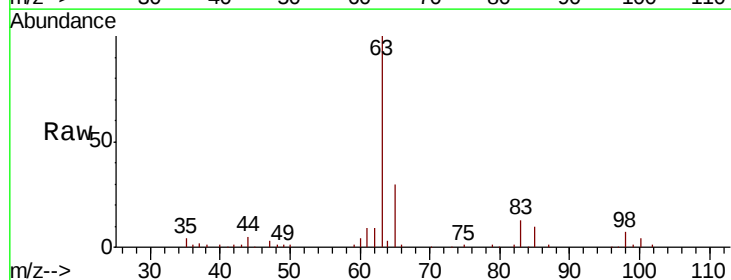
Tgt Ion: 63 Resp: 66198

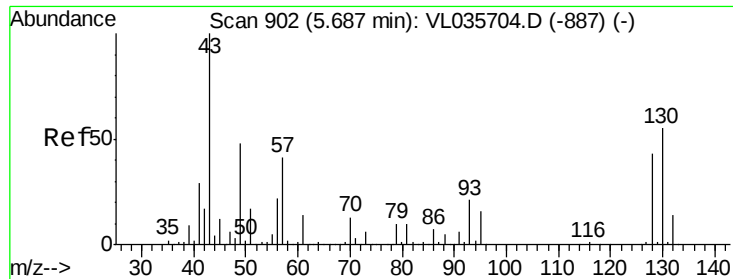
Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

100 3.6 2.0 5.8

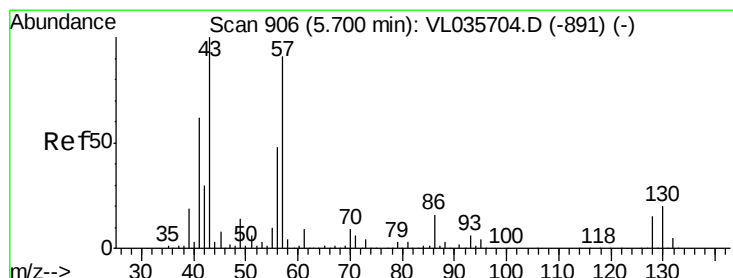
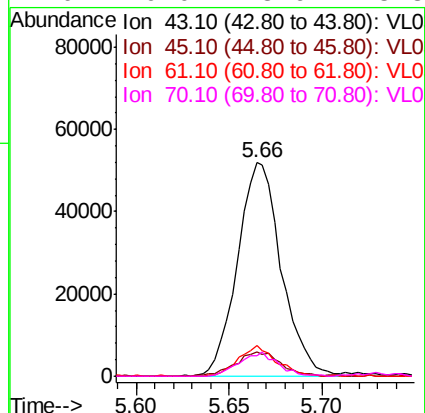
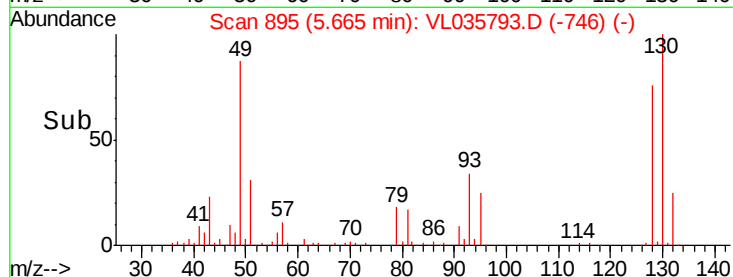
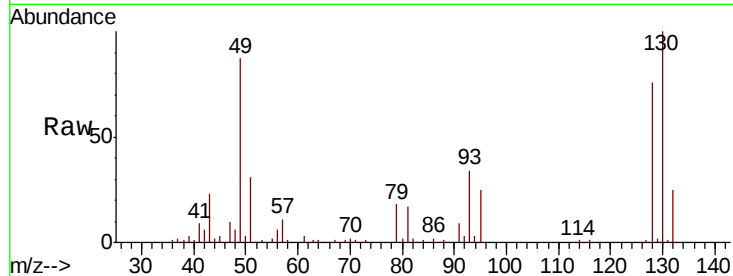




#25
Ethyl Acetate
Concen: 0.388 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

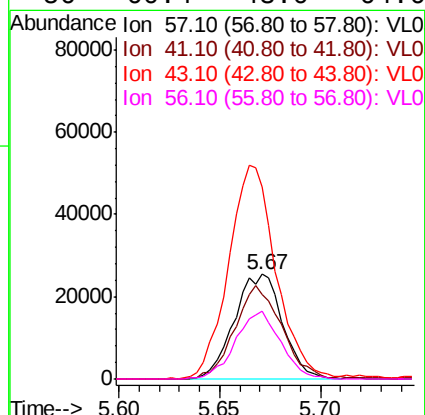
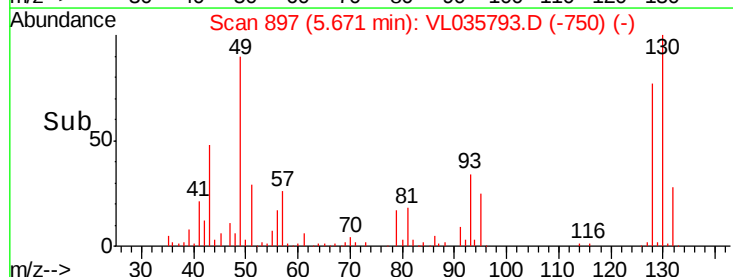
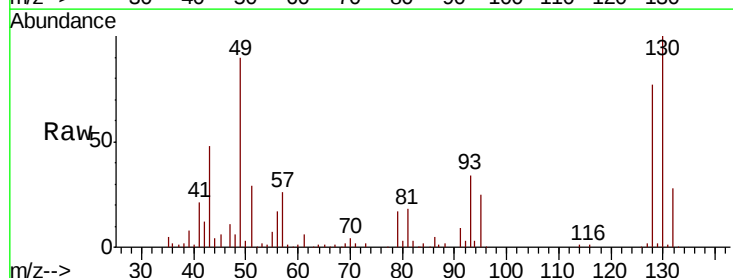
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

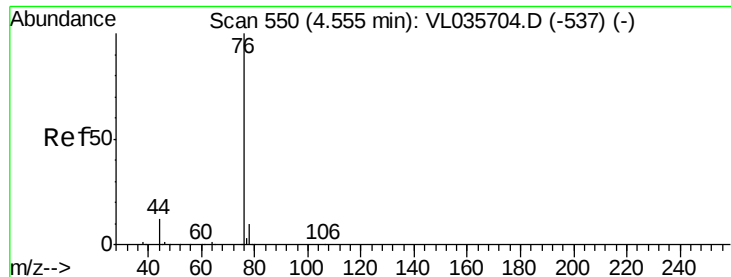
Tot Ion:	43	Resp:	85216
Ion	Ratio	Lower	Upper
43	100		
45	11.8	8.6	12.8
61	12.5	10.4	15.6
70	10.0	8.9	13.3



#26
Hexane
Concen: 0.355 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:	57	Resp:	42708
Ion	Ratio	Lower	Upper
57	100		
41	88.4	57.9	86.9#
43	203.4	143.8	215.6
56	60.4	43.0	64.6





#27

Carbon Disulfide

Concen: 0.366 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.03 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

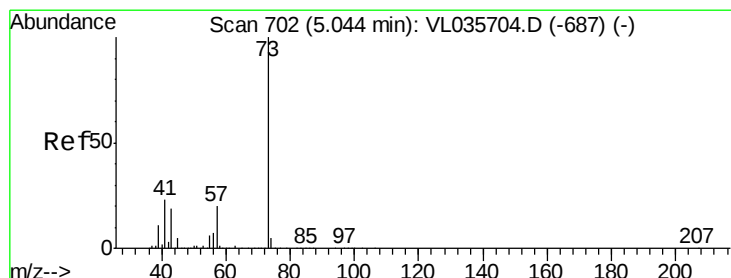
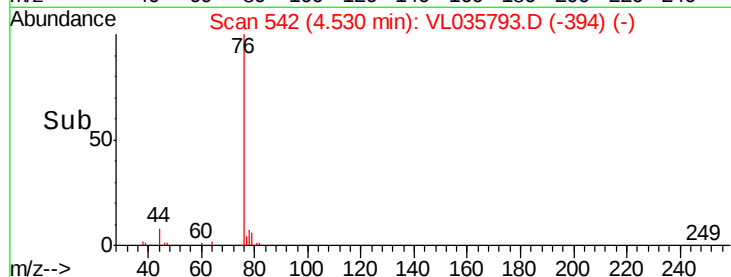
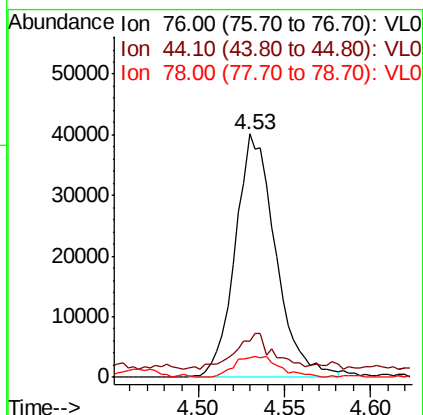
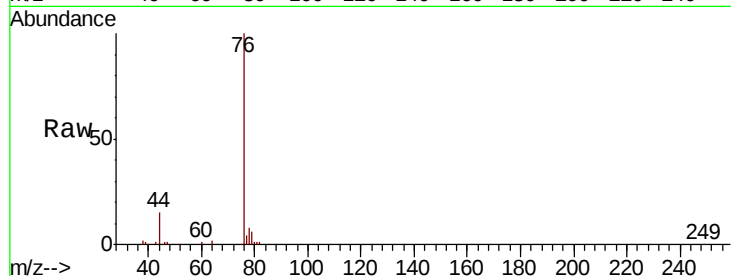
MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

Tot Ion: 76 Resp: 65634

Ion	Ratio	Lower	Upper
76	100		
44	14.6	9.7	14.5#
78	9.8	7.8	11.8



#28

Methyl tert-Butyl Ether

Concen: 0.317 ppbv

RT: 5.03 min Scan# 697

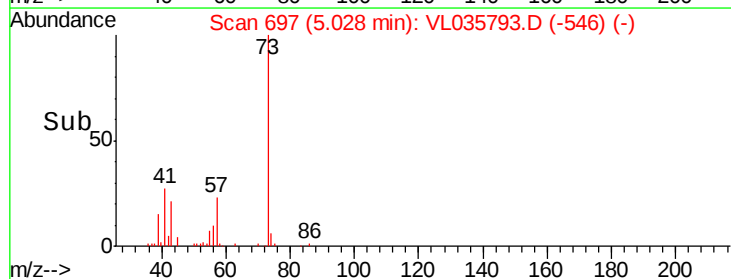
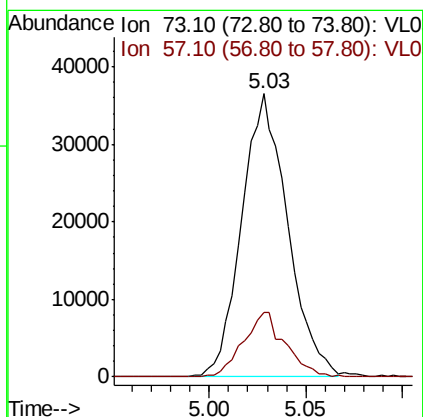
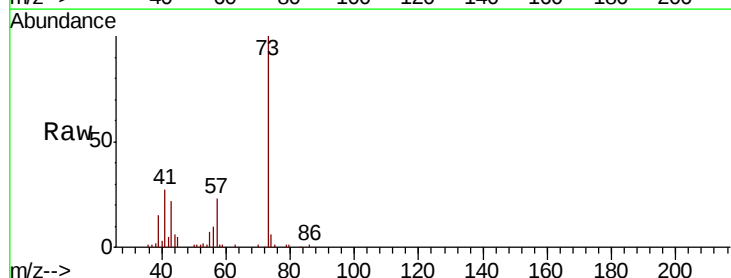
Delta R.T. -0.02 min

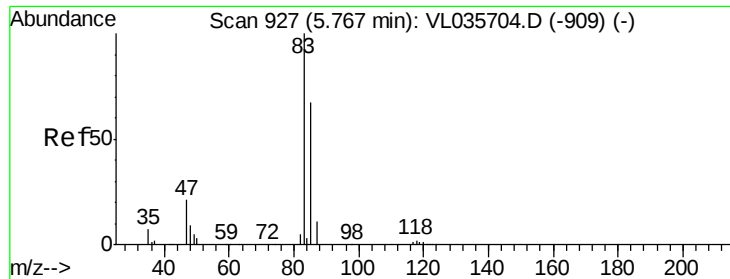
Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Tgt Ion: 73 Resp: 60352

Ion	Ratio	Lower	Upper
73	100		
57	20.9	15.6	23.4

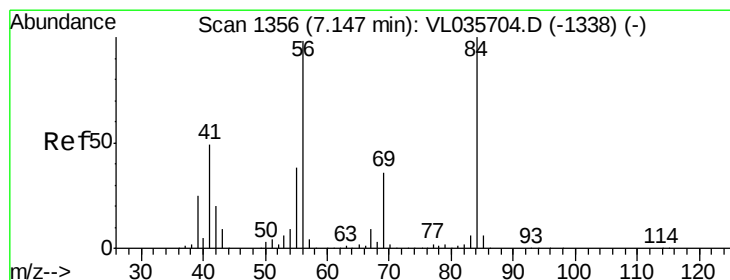
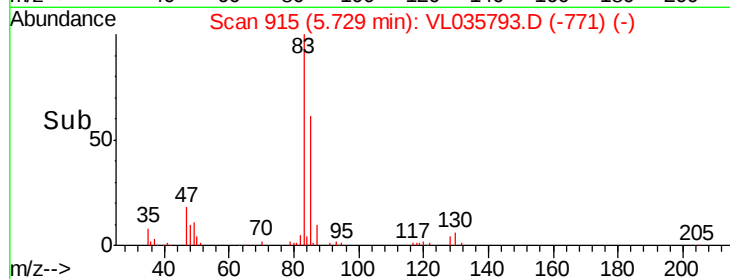
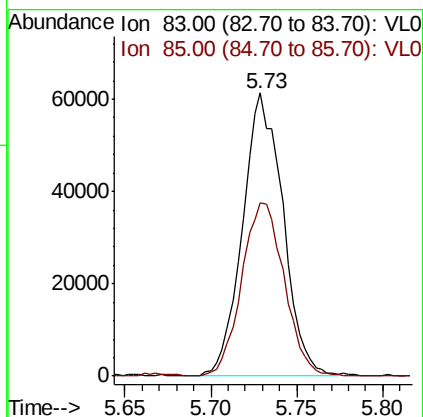
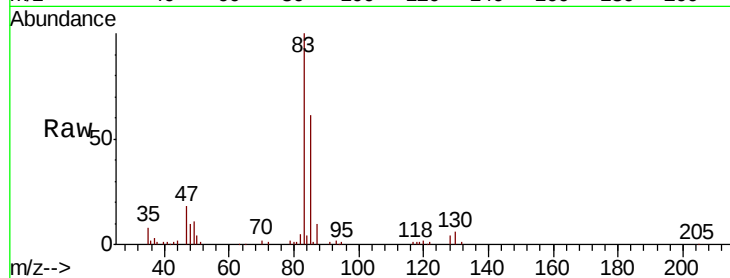




#29
Chloroform
Concen: 0.409 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

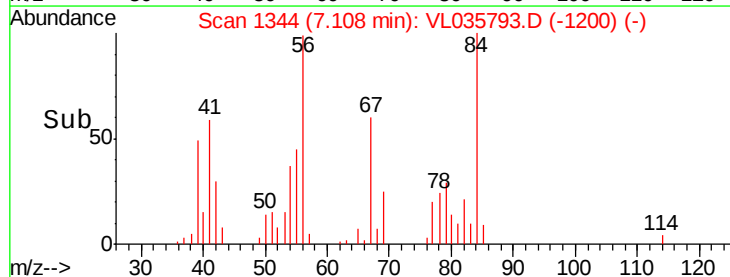
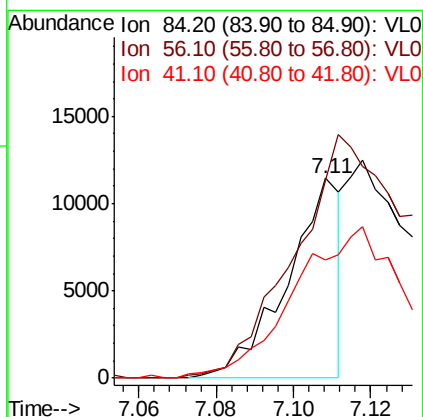
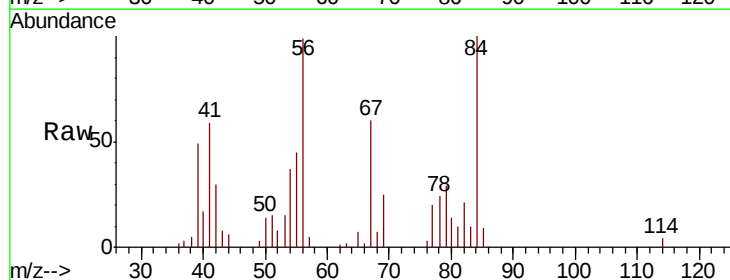
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

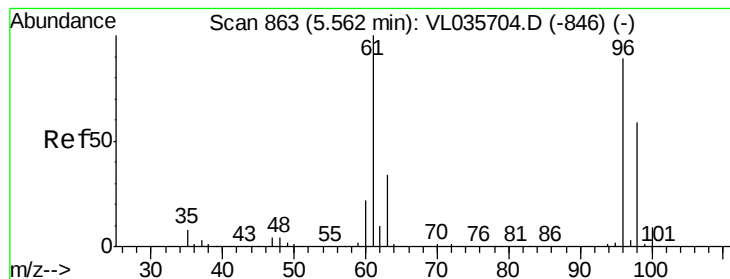
Tot Ion: 83 Resp: 99931
Ion Ratio Lower Upper
83 100
85 61.1 54.0 81.0



#30
Cyclohexane
Concen: 0.092 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 84 Resp: 10964
Ion Ratio Lower Upper
84 100
56 0.0 84.6 127.0#
41 0.0 41.1 61.7#





#31

cis-1,2-Dichloroethene

Concen: 0.291 ppbv

RT: 5.53 min Scan# 852

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

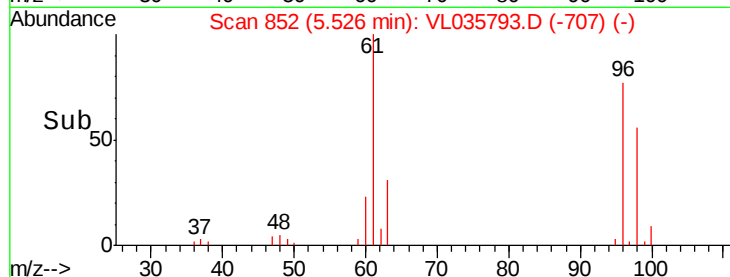
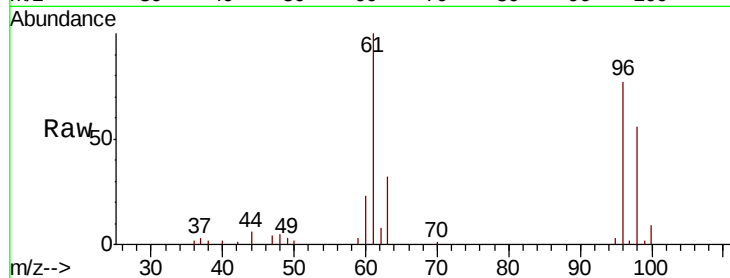
Tot Ion: 61 Resp: 33816

Ion Ratio Lower Upper

61 100

96 77.1 71.4 107.2

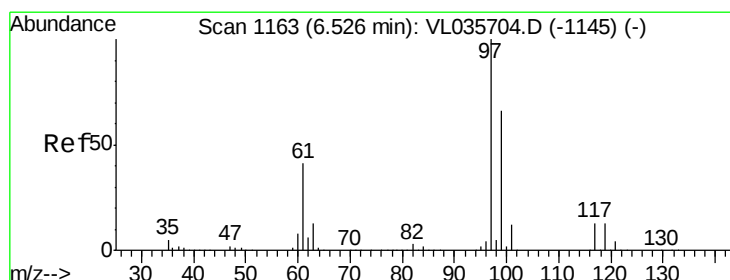
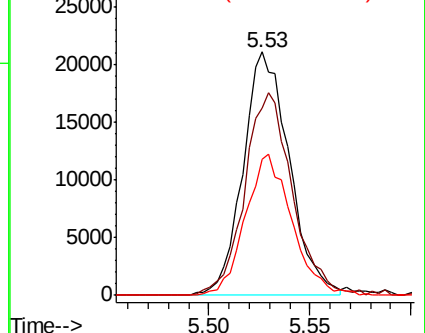
98 56.0 47.4 71.2



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: 0.393 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

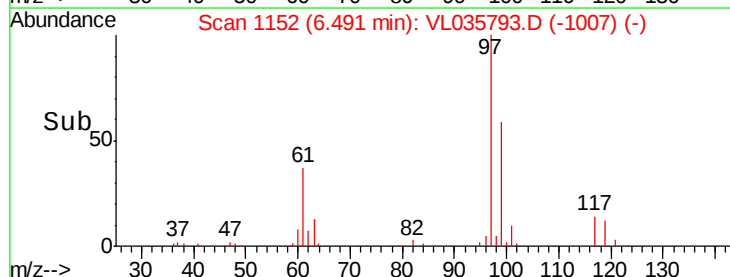
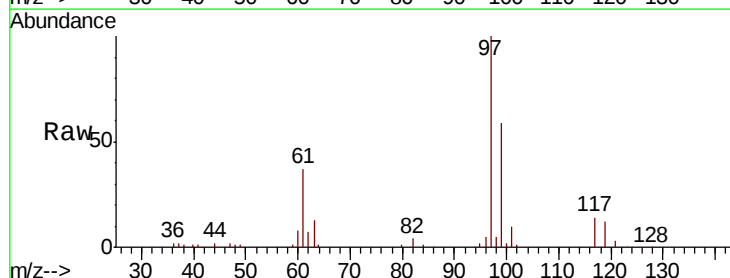
Tgt Ion: 97 Resp: 84524

Ion Ratio Lower Upper

97 100

99 63.8 52.7 79.1

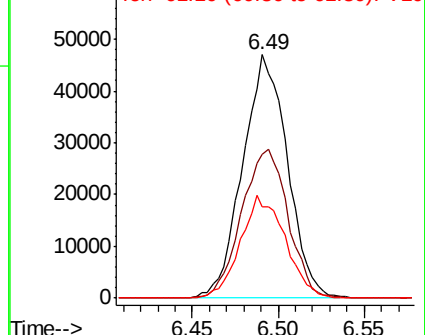
61 42.2 32.7 49.1

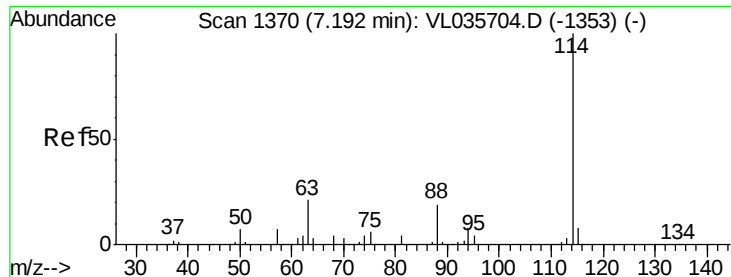


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

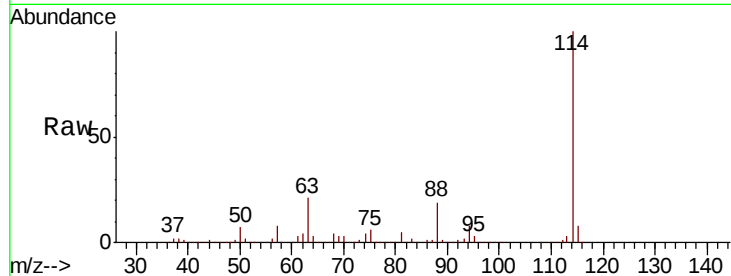




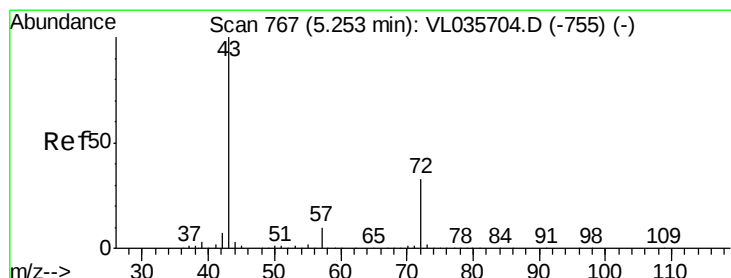
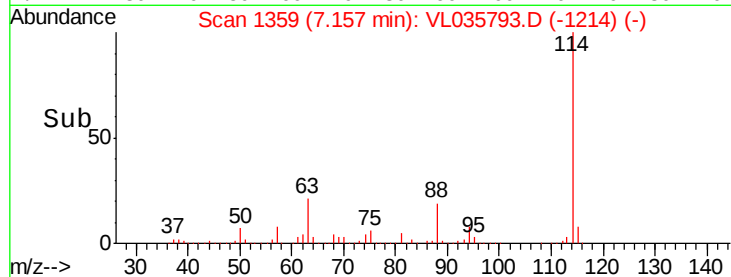
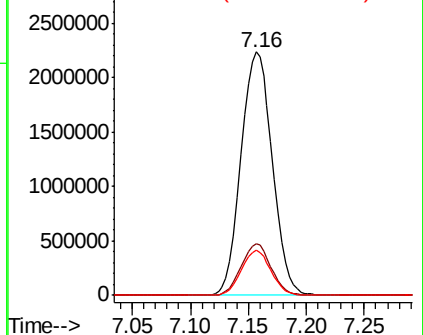
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.04 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

Tot Ion:114 Resp: 4199846
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.1 24.1
 88 17.6 14.1 21.1

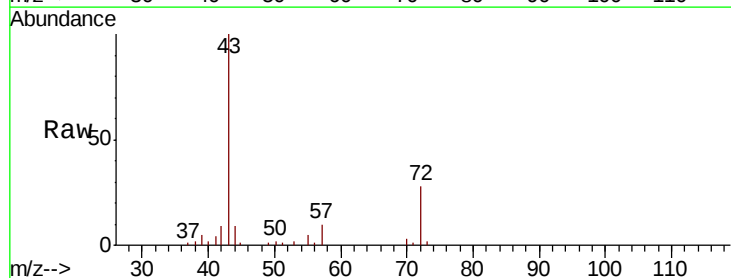


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

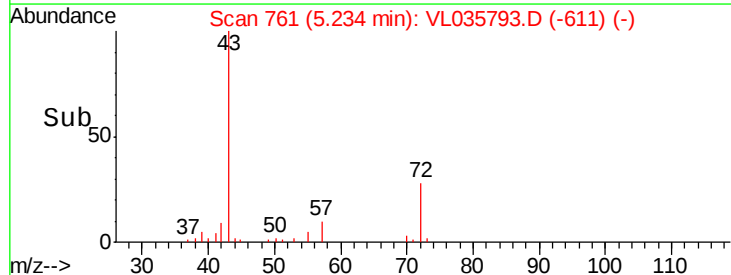
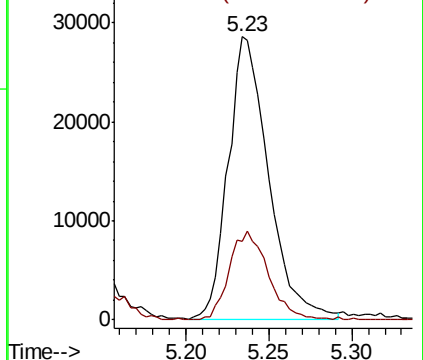


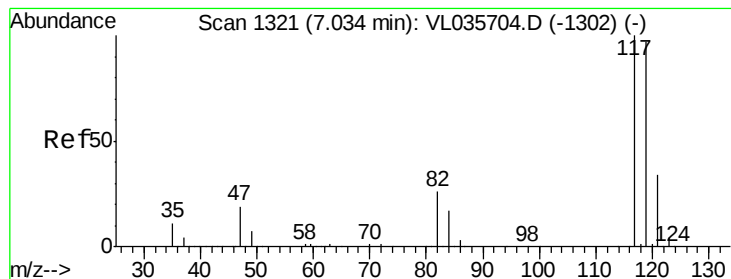
#34
 2-Butanone
 Concen: 0.351 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

Tgt Ion: 43 Resp: 48724
 Ion Ratio Lower Upper
 43 100
 72 30.0 26.1 39.1



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





#35

Carbon Tetrachloride

Concen: 0.389 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

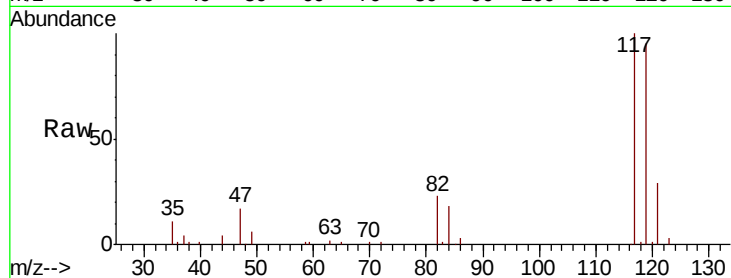
Tot Ion:117 Resp: 85274

Ion Ratio Lower Upper

117 100

119 94.5 77.7 116.5

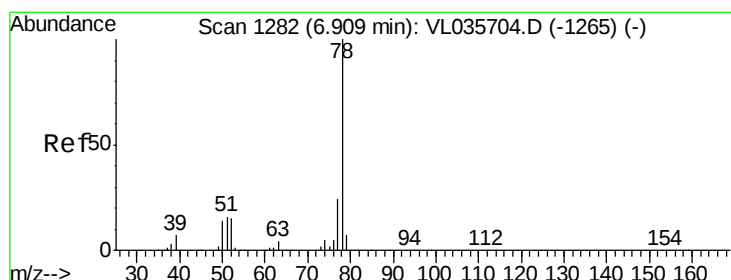
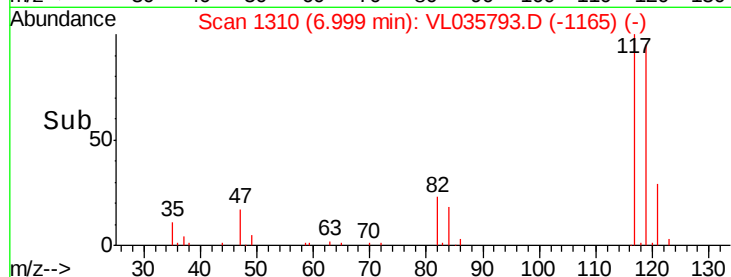
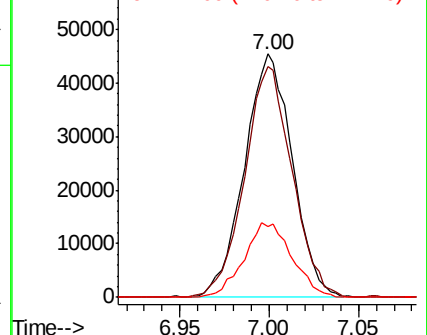
121 29.3 26.9 40.3



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: 0.305 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

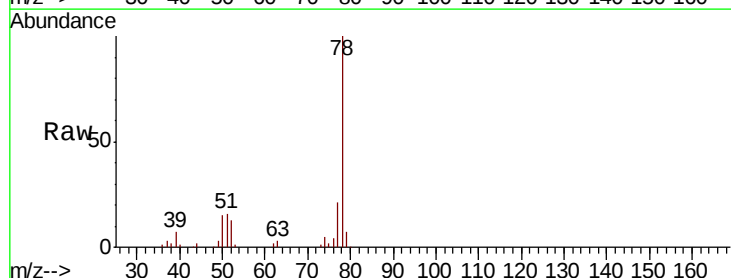
Tgt Ion: 78 Resp: 83458

Ion Ratio Lower Upper

78 100

77 21.0 19.3 28.9

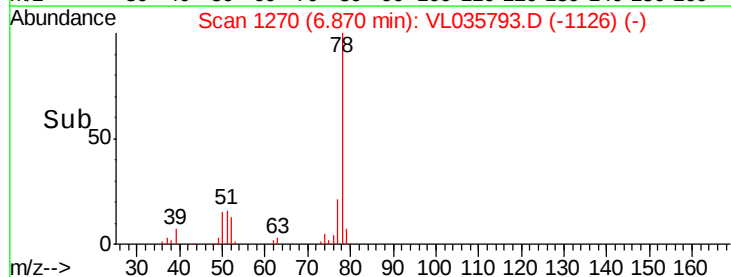
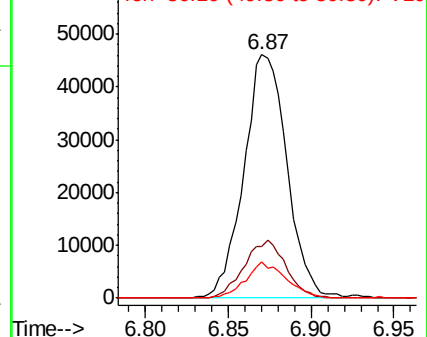
50 14.9 11.6 17.4

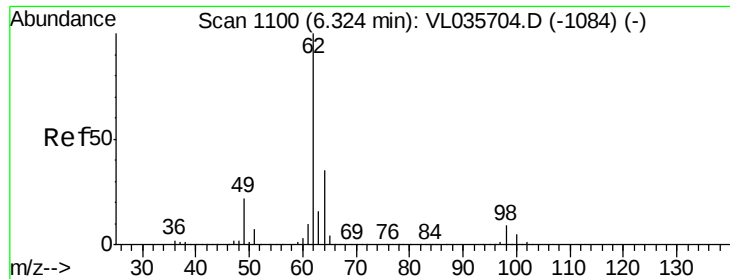


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

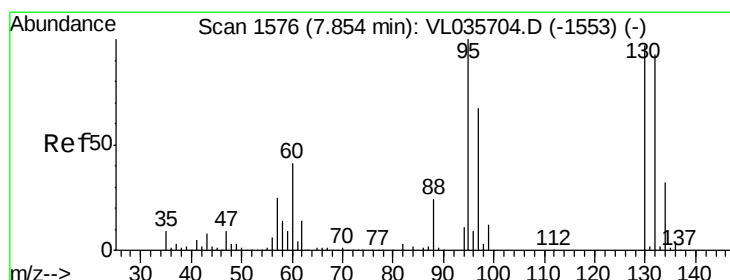
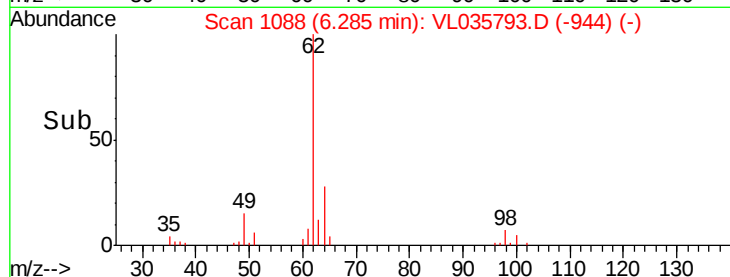
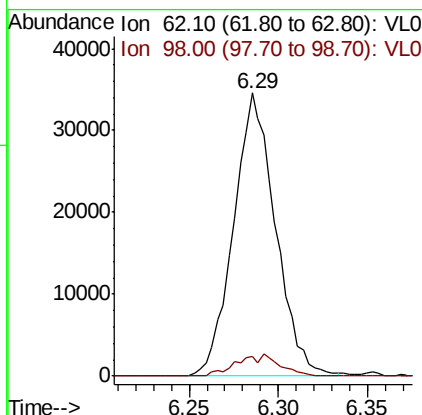
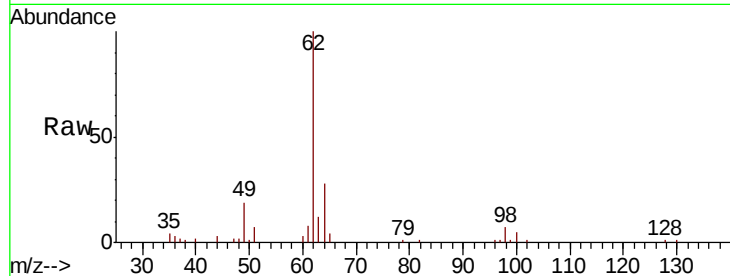




#37
 1,2-Dichloroethane
 Concen: 0.398 ppbv
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.04 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

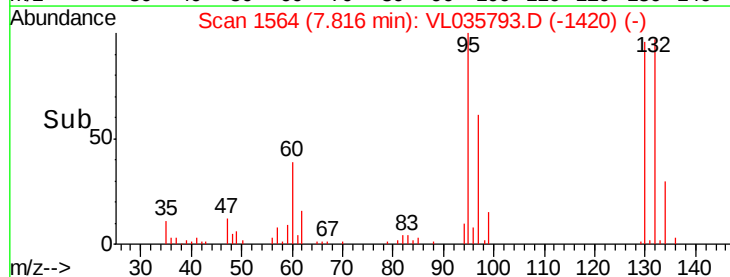
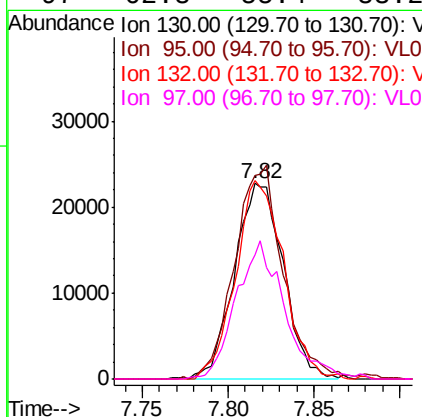
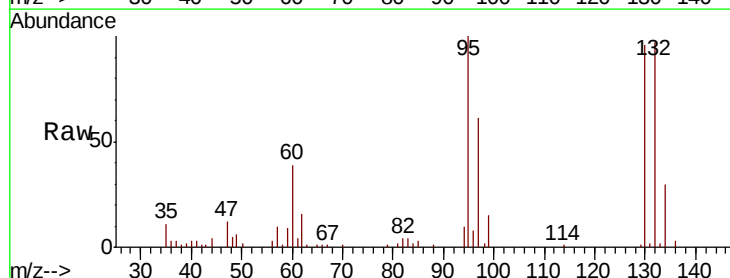
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

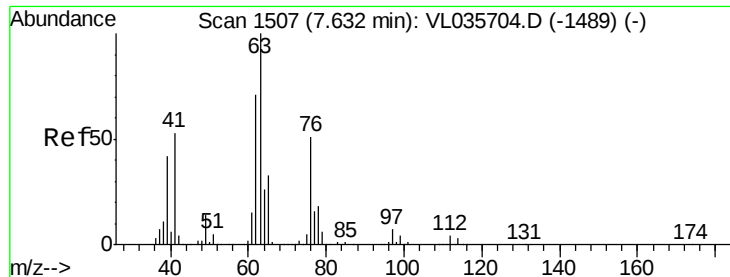
Tot Ion: 62 Resp: 56730
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.9 10.3



#38
 Trichloroethene
 Concen: 0.327 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.04 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

Tgt Ion: 130 Resp: 44678
 Ion Ratio Lower Upper
 130 100
 95 104.1 82.4 123.6
 132 101.3 76.8 115.2
 97 62.8 55.4 83.2





#39

1,2-Dichloropropane

Concen: 0.370 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

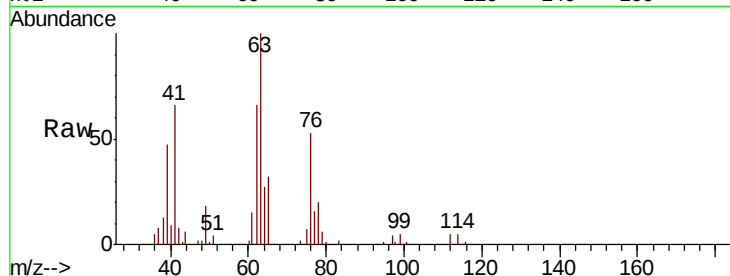
Tot Ion: 63 Resp: 36744

Ion Ratio Lower Upper

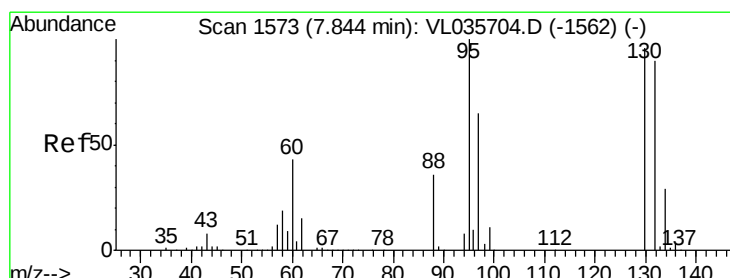
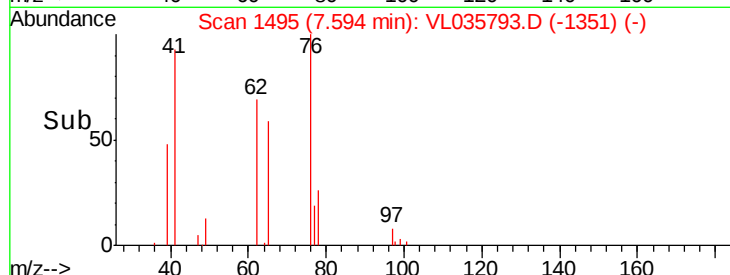
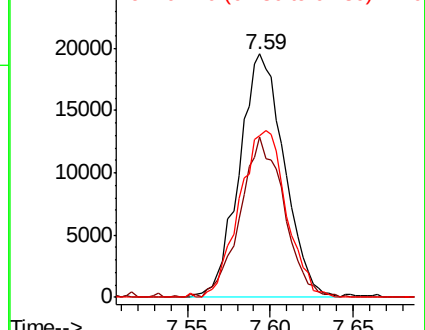
63 100

41 66.1 42.6 63.8#

62 66.2 56.5 84.7



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.322 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Tgt Ion: 88 Resp: 14597

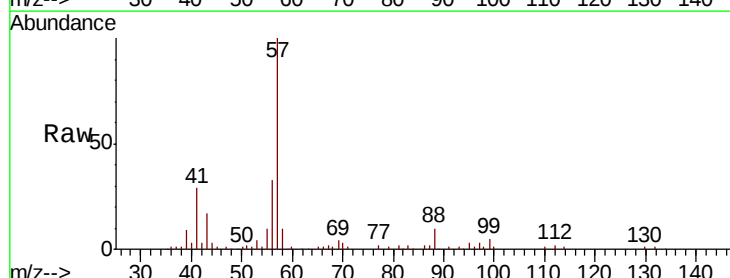
Ion Ratio Lower Upper

88 100

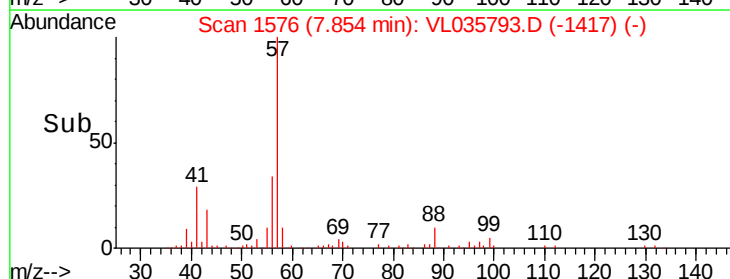
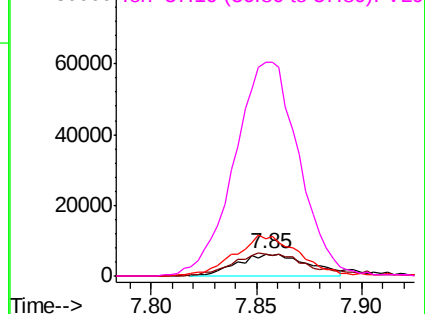
58 113.7 76.2 114.4

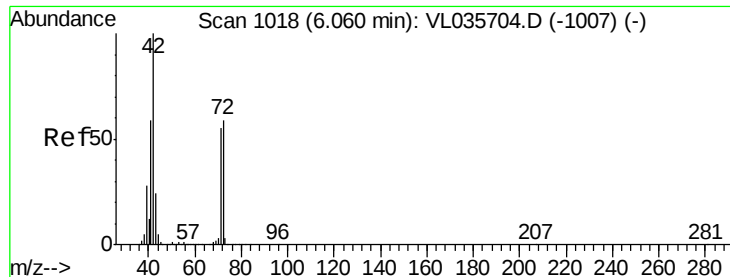
43 173.0 123.4 185.2

57 887.1 652.5 978.7



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.247 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

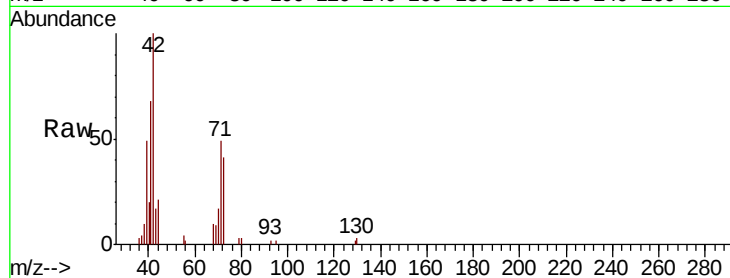
Tot Ion: 42 Resp: 17306

Ion Ratio Lower Upper

42 100

72 50.5 46.2 69.4

71 48.7 44.2 66.4

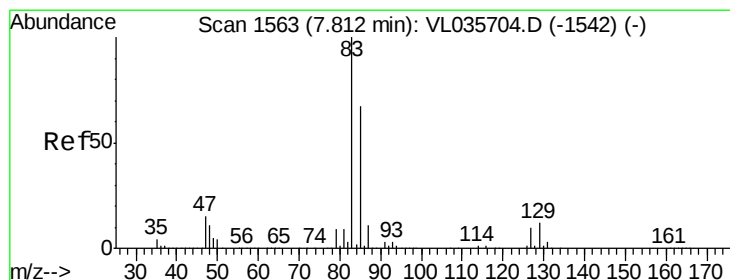
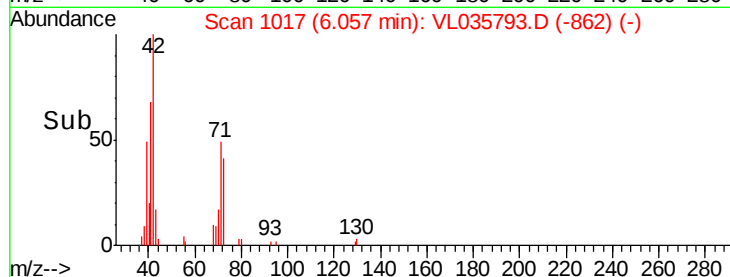
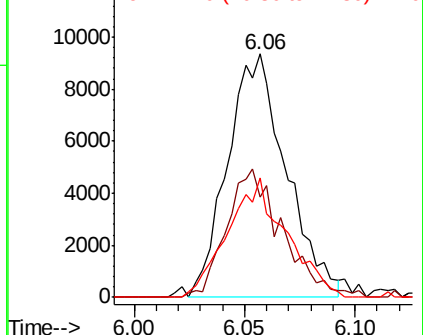


Abundance

Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.360 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

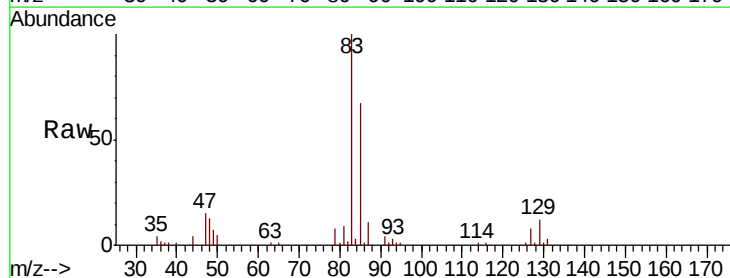
Tgt Ion: 83 Resp: 82628

Ion Ratio Lower Upper

83 100

85 66.2 53.4 80.0

127 7.7 7.8 11.6#

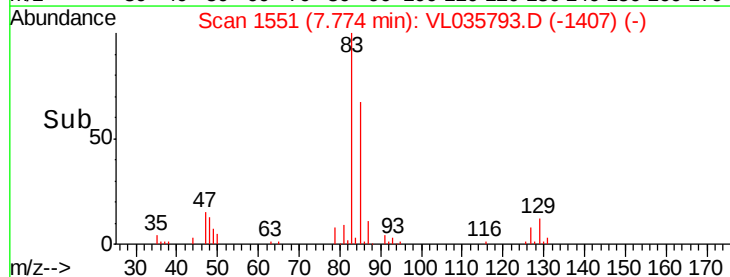
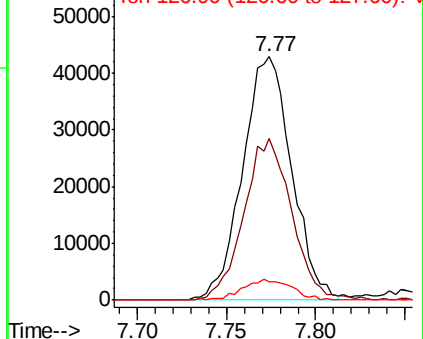


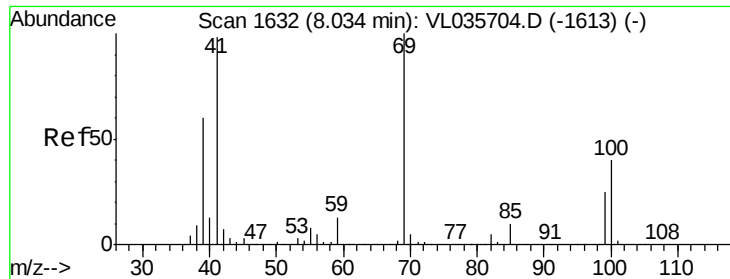
Abundance

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

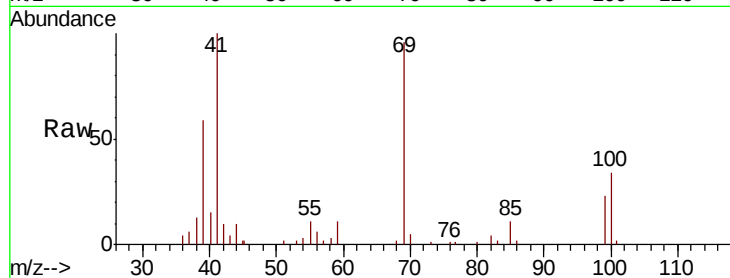




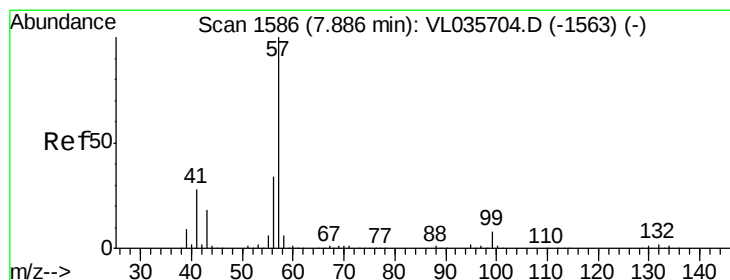
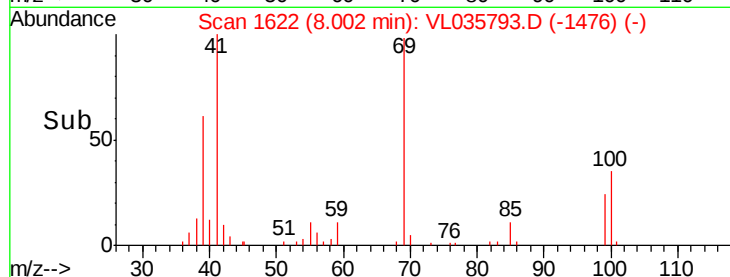
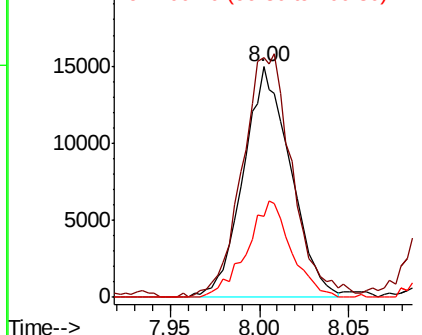
#43
Methyl Methacrylate
Concen: 0.255 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tot Ion: 69 Resp: 27727
Ion Ratio Lower Upper
69 100
41 111.3 79.8 119.6
100 39.5 30.6 46.0

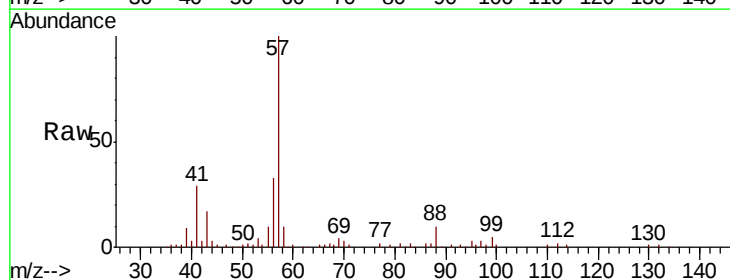


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

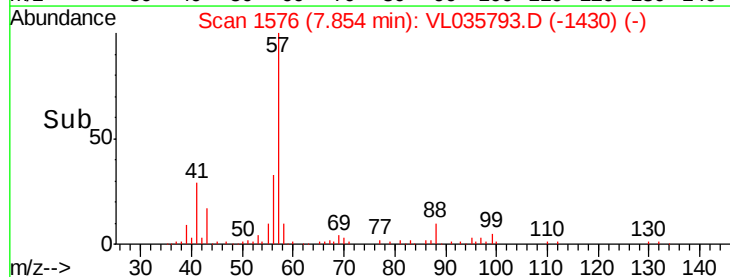
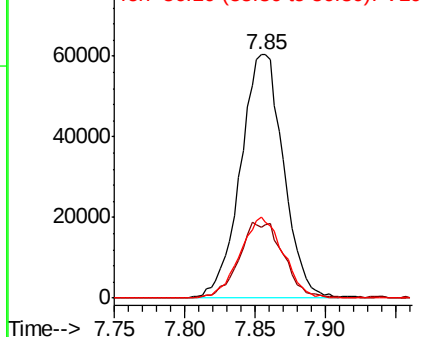


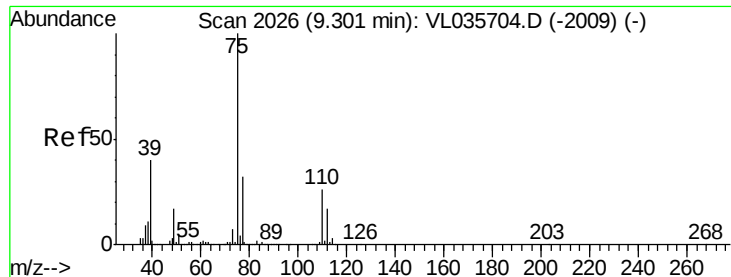
#44
2,2,4-Trimethylpentane
Concen: 0.328 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.03 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 57 Resp: 128722
Ion Ratio Lower Upper
57 100
41 32.7 21.2 31.8#
56 33.5 25.8 38.8



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: 0.253 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

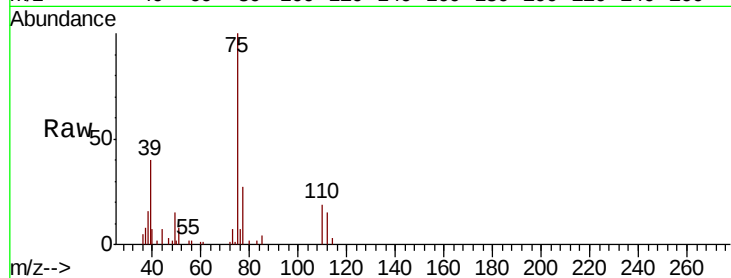
MDL-AIR-01-QT4-2020

Tot Ion: 75 Resp: 27797

Ion Ratio Lower Upper

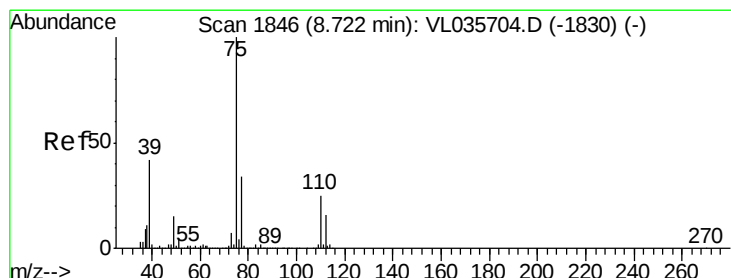
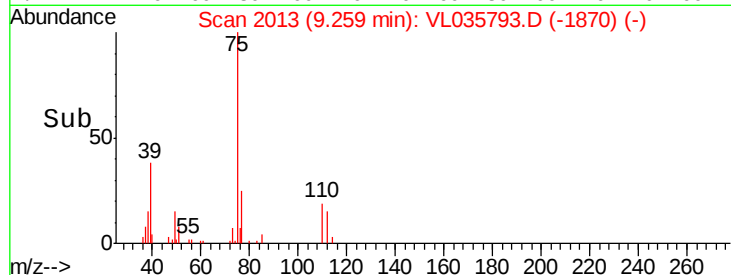
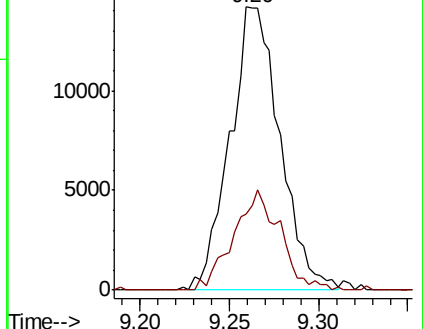
75 100

77 26.7 25.9 38.9



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: 0.250 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

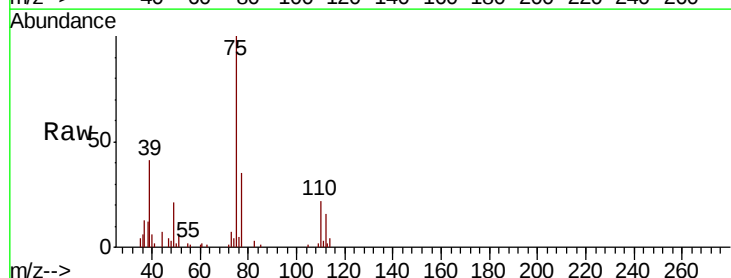
Tgt Ion: 75 Resp: 33839

Ion Ratio Lower Upper

75 100

39 41.0 33.9 50.9

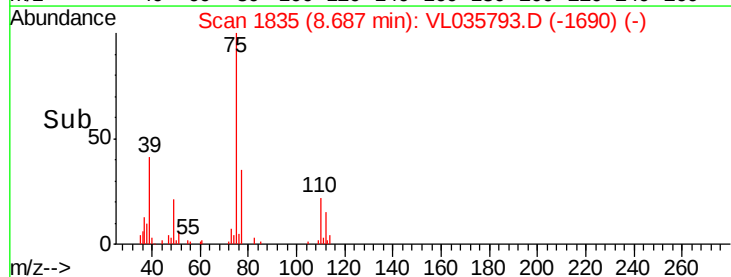
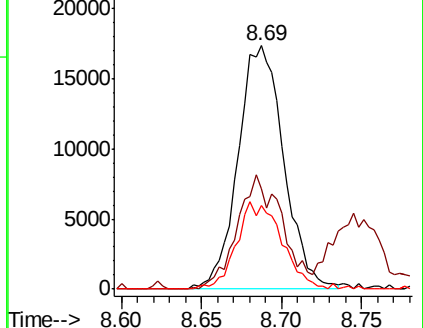
77 34.5 27.4 41.0

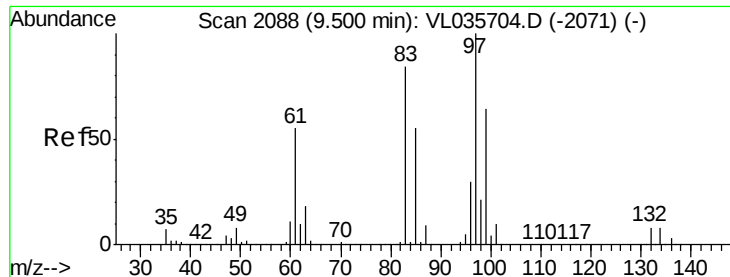


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

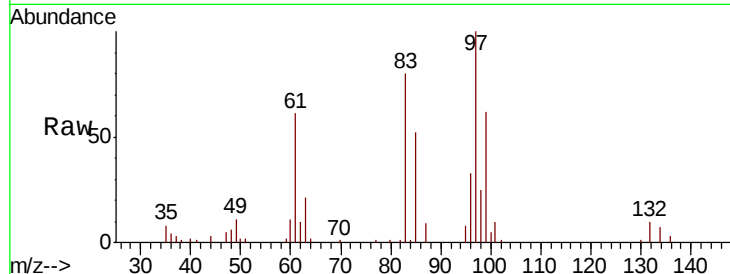




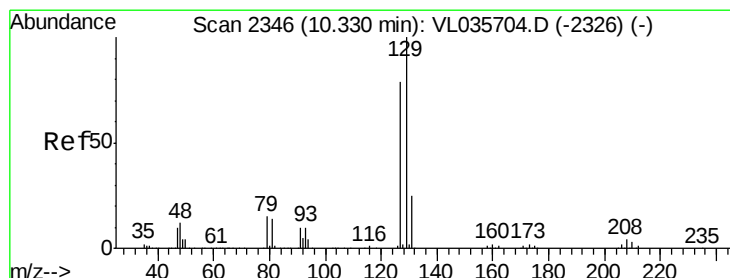
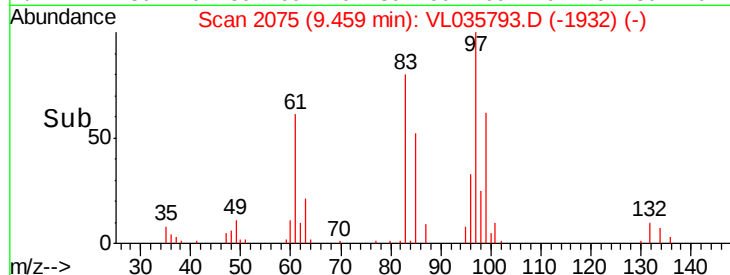
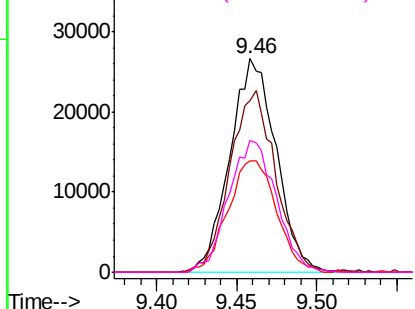
#47
 1,1,2-Trichloroethane
 Concen: 0.370 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.04 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

Tot Ion: 97 Resp: 52504
 Ion Ratio Lower Upper
 97 100
 83 79.5 67.1 100.7
 85 51.5 43.9 65.9
 99 61.7 51.3 76.9

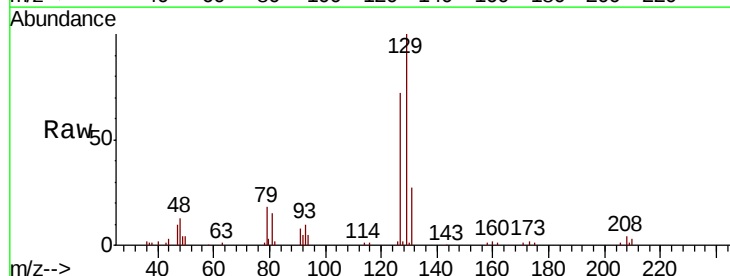


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

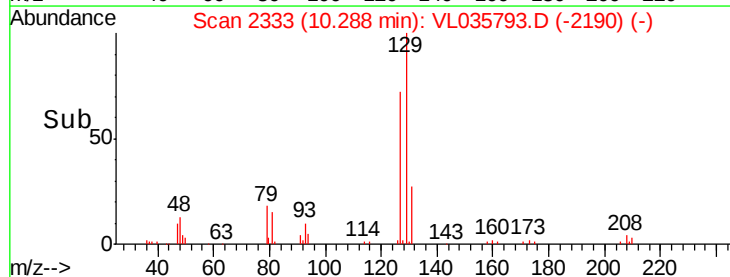
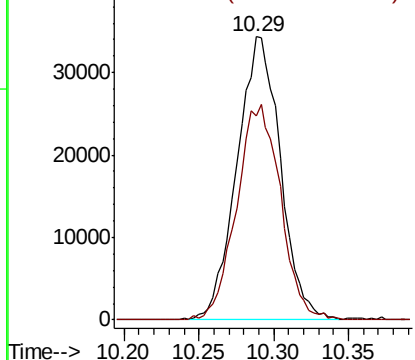


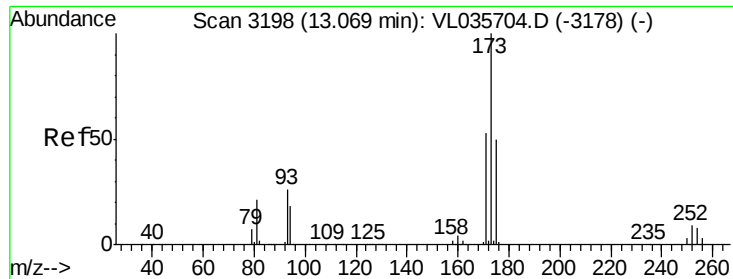
#48
 Dibromochloromethane
 Concen: 0.321 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.04 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

Tgt Ion: 129 Resp: 69306
 Ion Ratio Lower Upper
 129 100
 127 77.1 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.293 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

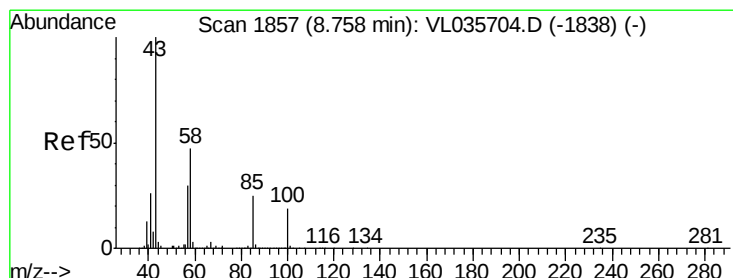
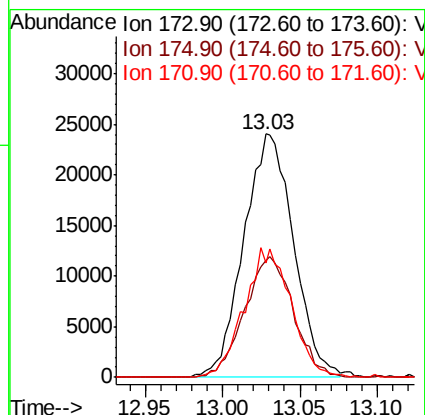
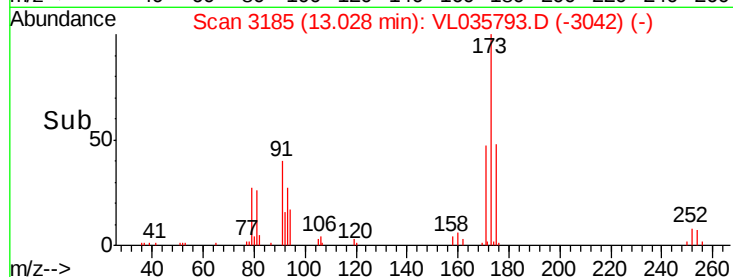
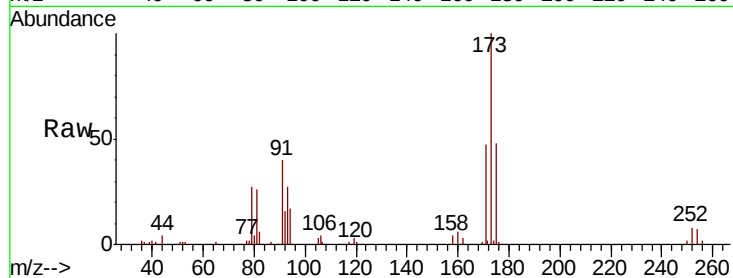
Tot Ion:173 Resp: 53751

Ion Ratio Lower Upper

173 100

175 48.7 39.8 59.6

171 50.1 42.8 64.2



#50

4-Methyl-2-Pentanone

Concen: 0.296 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL035793.D

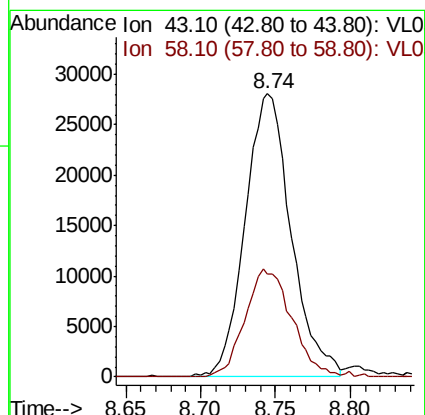
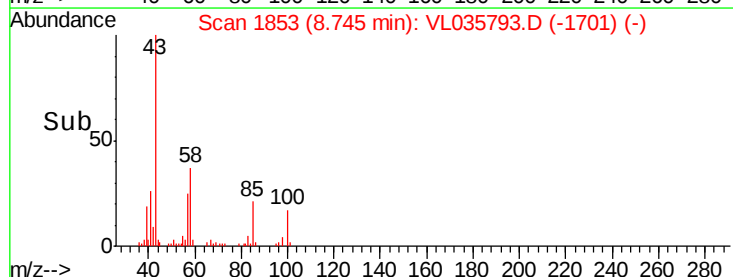
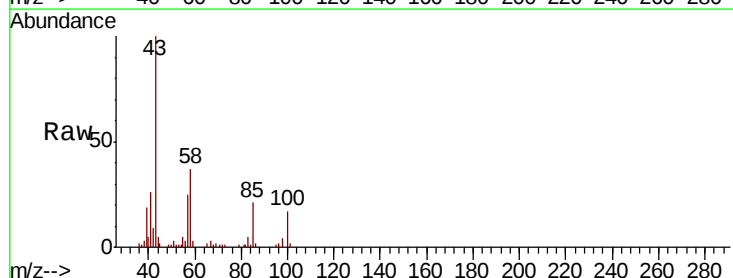
Acq: 19 Oct 2020 14:03

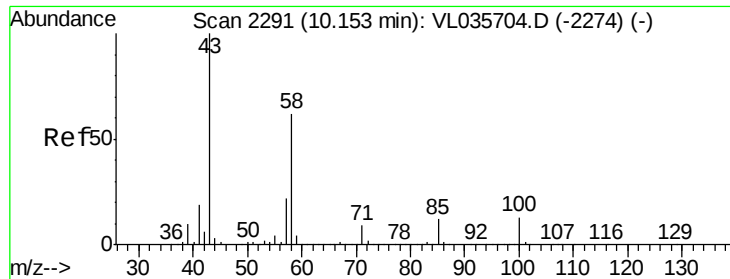
Tgt Ion: 43 Resp: 60057

Ion Ratio Lower Upper

43 100

58 38.9 36.6 54.8





#51

2-Hexanone

Concen: 0.245 ppbv

RT: 10.14 min Scan# 2288

Delta R.T. -0.01 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

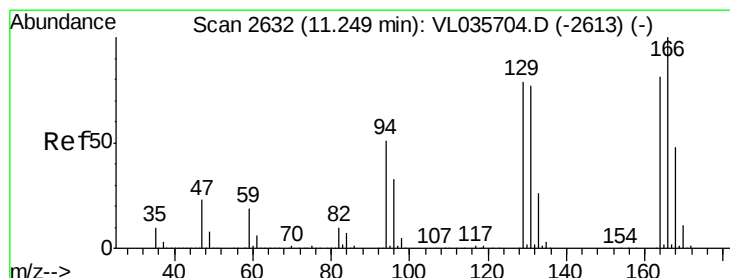
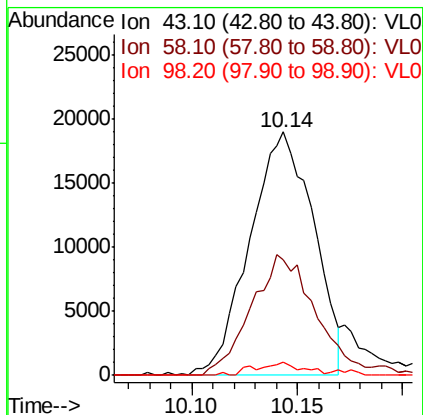
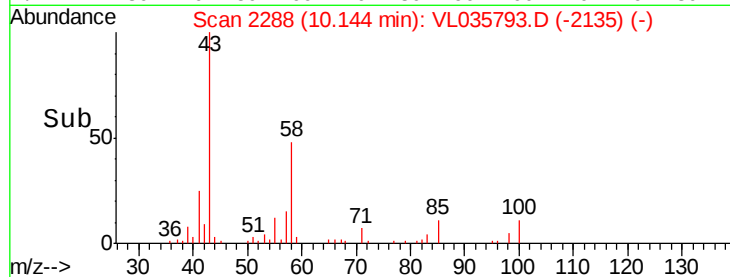
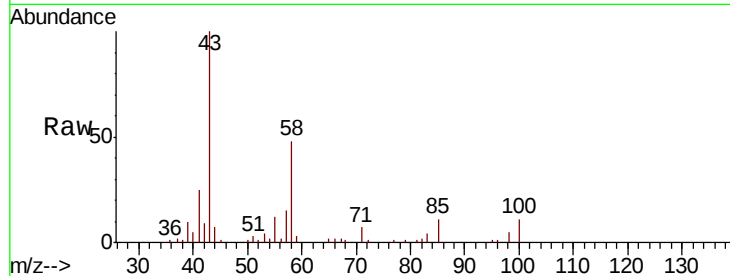
Tot Ion: 43 Resp: 40038

Ion Ratio Lower Upper

43 100

58 51.8 48.7 73.1

98 4.5 0.7 1.1#



#52

Tetrachloroethene

Concen: 0.336 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Tgt Ion:164 Resp: 44280

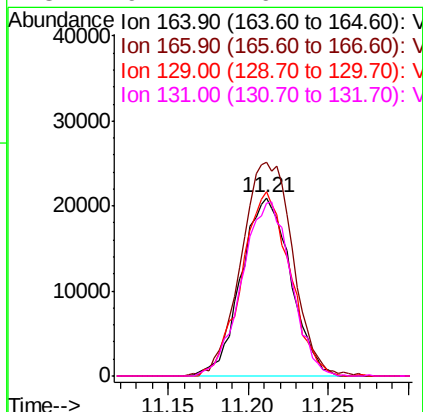
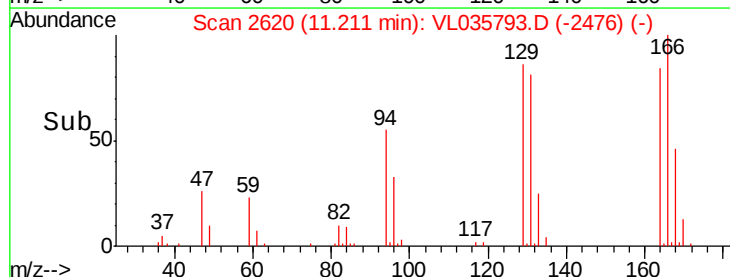
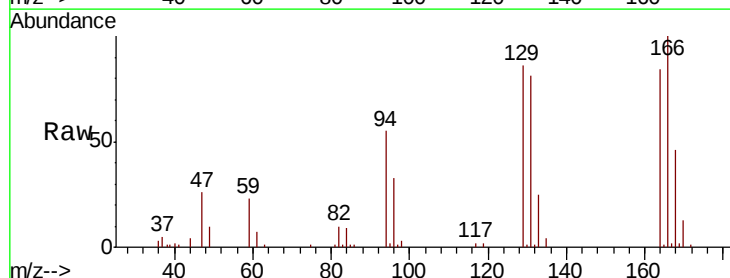
Ion Ratio Lower Upper

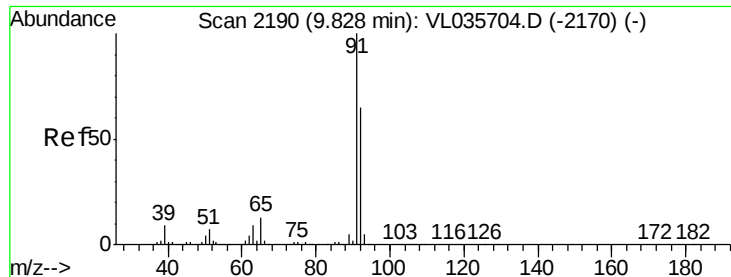
164 100

166 118.8 98.7 148.1

129 103.4 78.4 117.6

131 97.1 76.2 114.2





#53

Toluene

Concen: 0.244 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

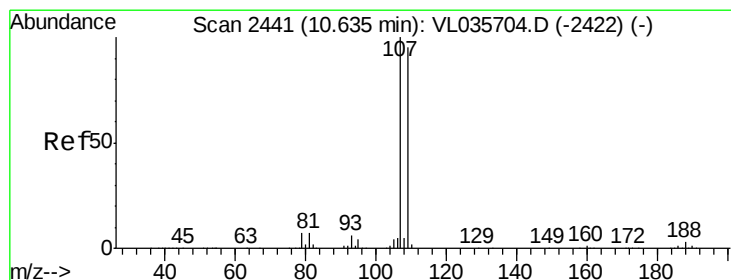
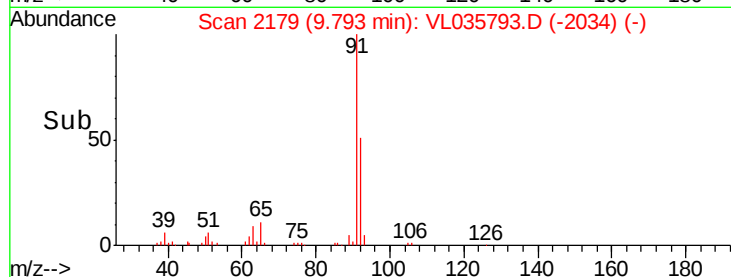
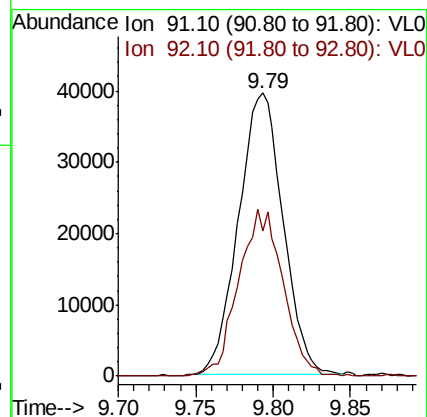
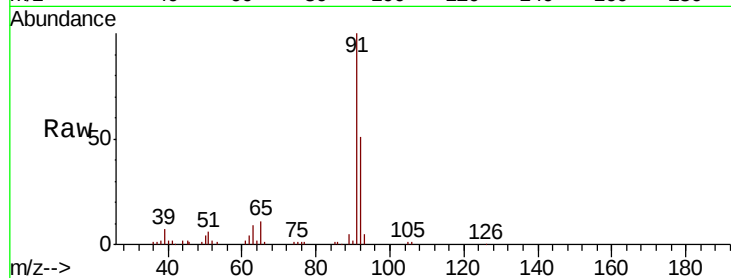
MDL-AIR-01-QT4-2020

Tot Ion: 91 Resp: 78707

Ion Ratio Lower Upper

91 100

92 59.3 50.0 75.0



#54

1,2-Dibromoethane

Concen: 0.351 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.04 min

Lab File: VL035793.D

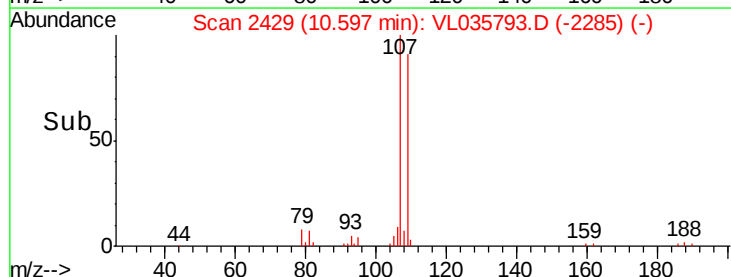
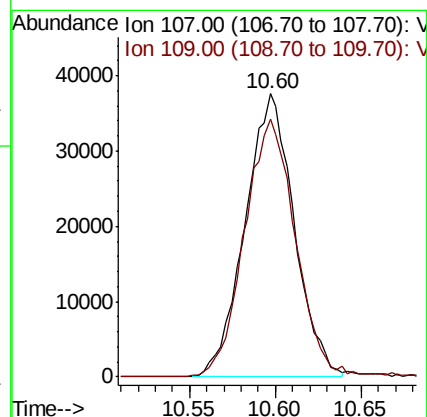
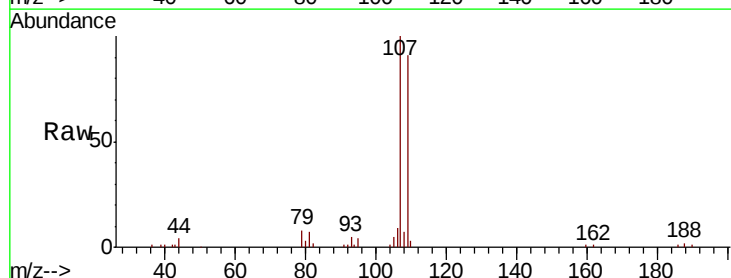
Acq: 19 Oct 2020 14:03

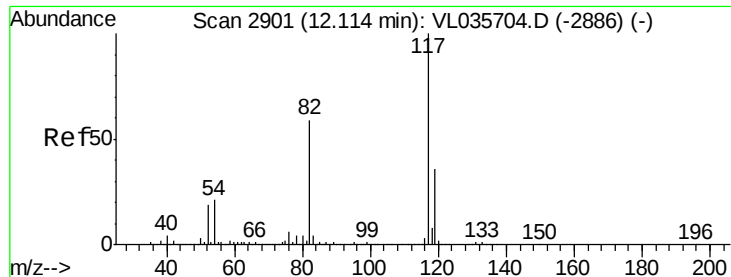
Tgt Ion: 107 Resp: 74719

Ion Ratio Lower Upper

107 100

109 90.5 76.0 114.0

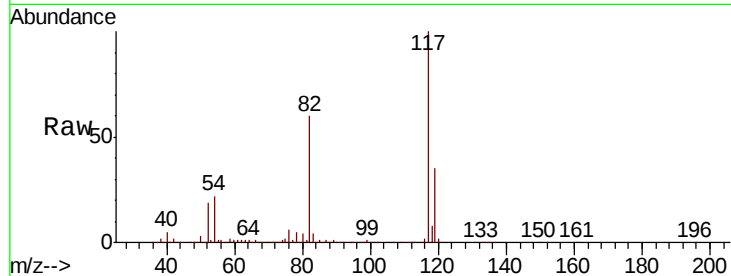




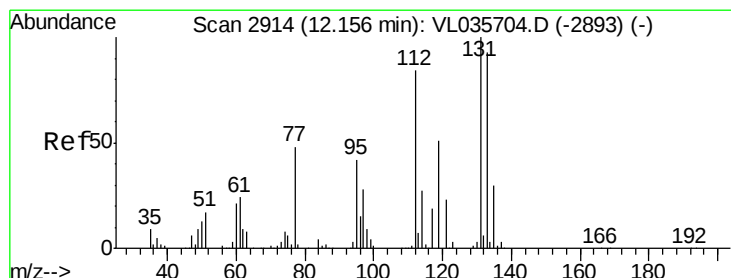
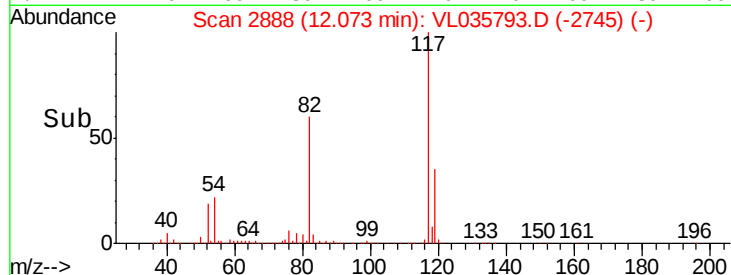
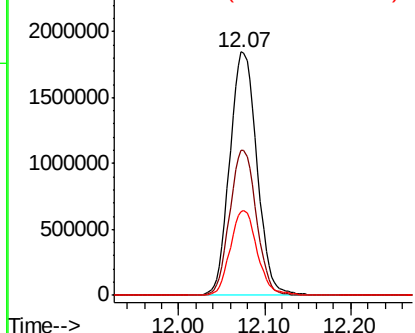
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tot Ion:117 Resp: 4056134
Ion Ratio Lower Upper
117 100
82 58.7 46.1 69.1
119 34.8 28.0 42.0

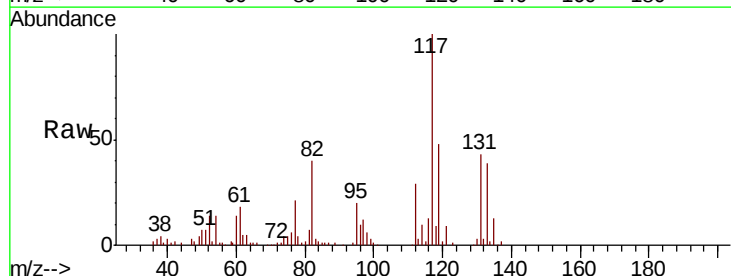


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

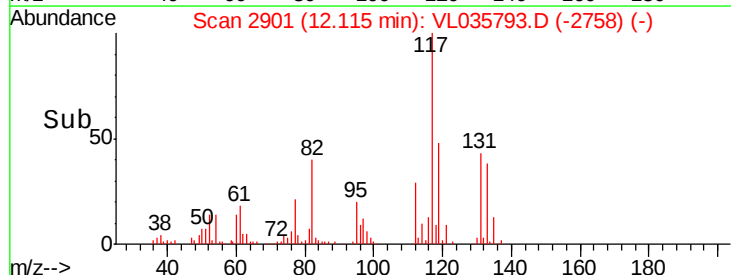
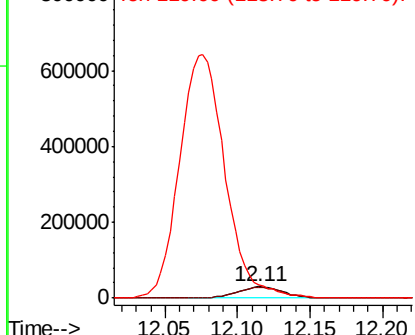


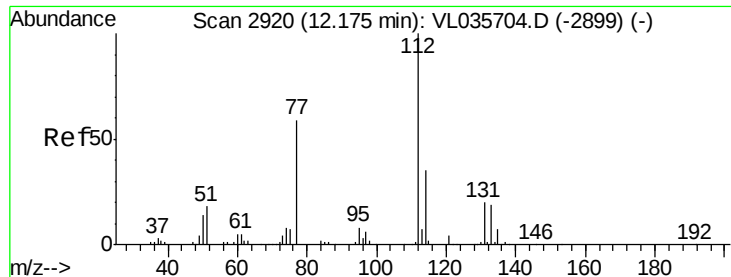
#56
1,1,1,2-Tetrachloroethane
Concen: 0.385 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:131 Resp: 65449
Ion Ratio Lower Upper
131 100
133 97.3 76.2 114.4
119 2158.7 52.4 78.6#



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

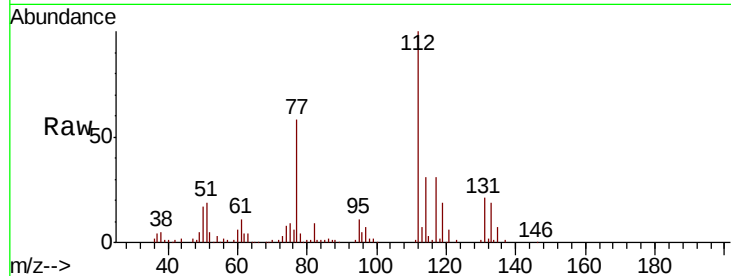




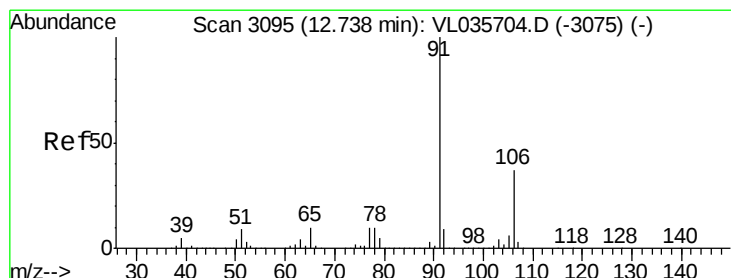
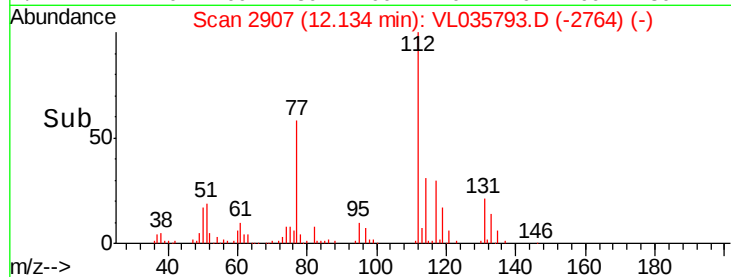
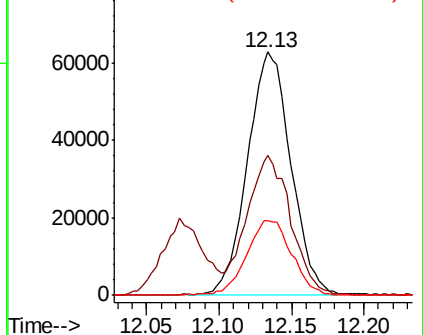
#57
Chlorobenzene
Concen: 0.428 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tot Ion:112 Resp: 131095
Ion Ratio Lower Upper
112 100
77 57.2 48.2 72.2
114 30.9 31.9 39.1#

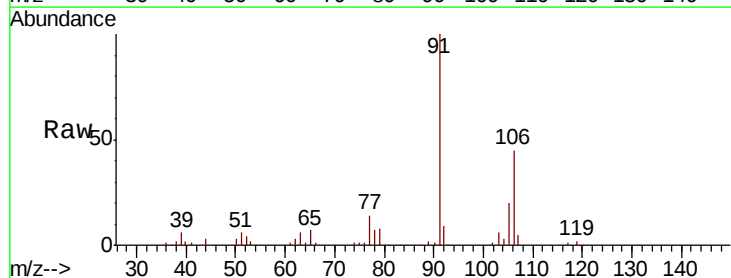


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

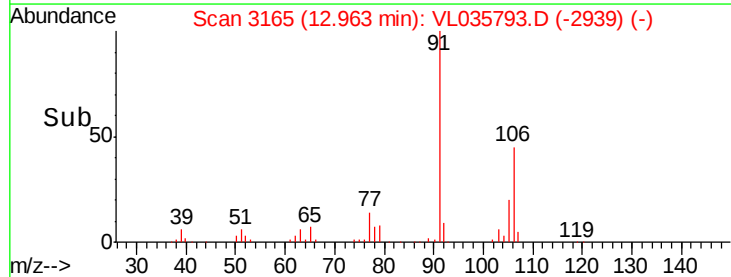
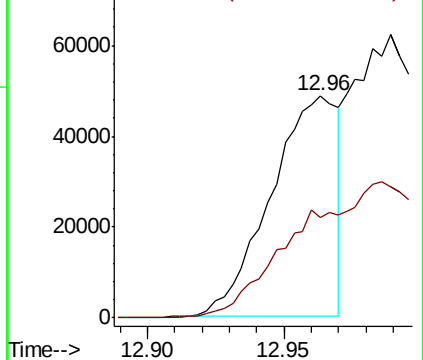


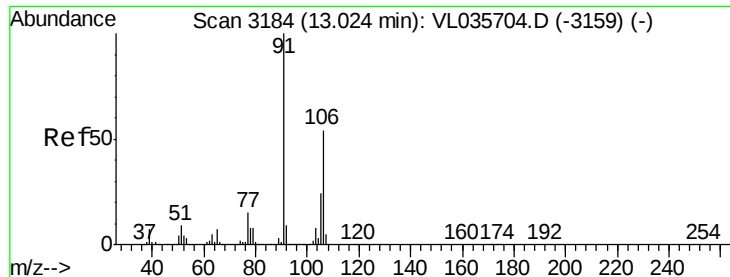
#58
Ethyl Benzene
Concen: 0.203 ppbv
RT: 12.96 min Scan# 3165
Delta R.T. 0.23 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 91 Resp: 82525
Ion Ratio Lower Upper
91 100
106 44.3 29.7 44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

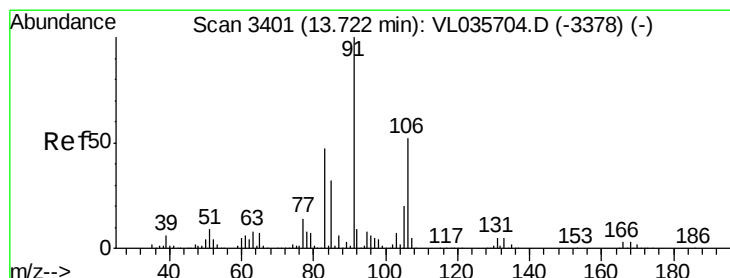
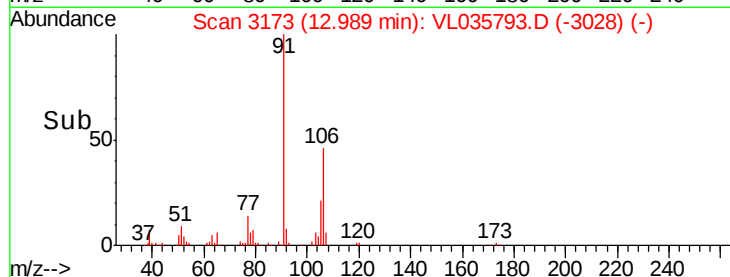
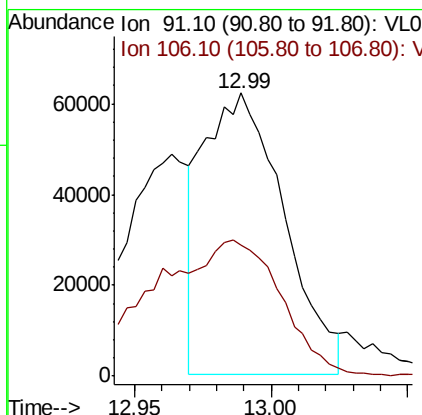
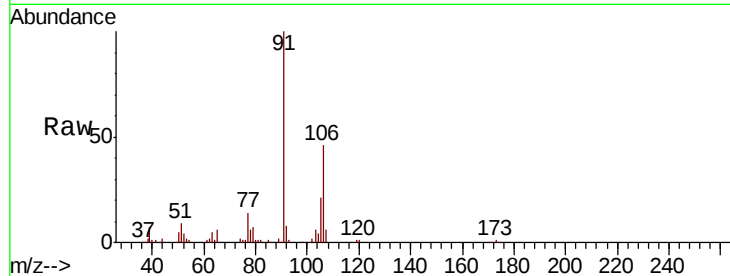




#59
m/p-Xylene
Concen: 0.357 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

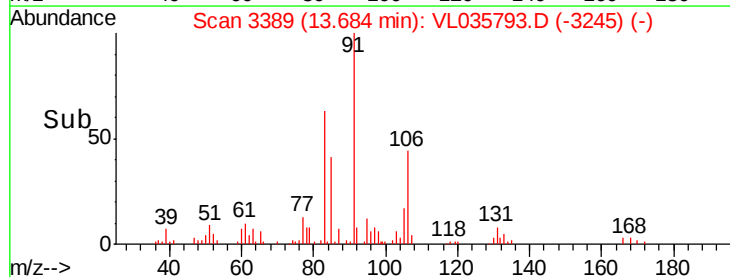
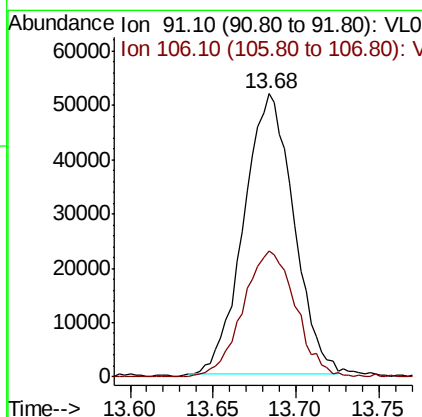
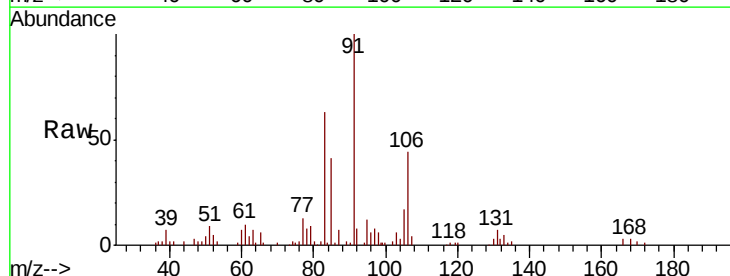
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

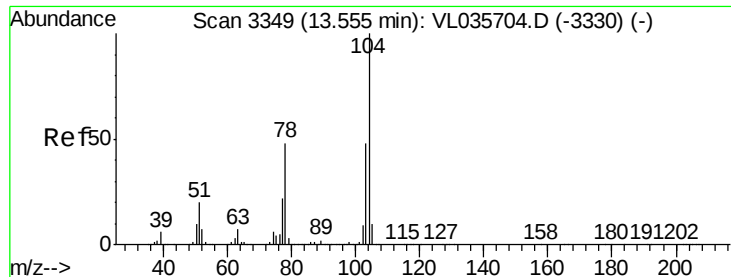
Tot Ion: 91 Resp: 126759
Ion Ratio Lower Upper
91 100
106 79.5 41.4 62.0#



#60
o-Xylene
Concen: 0.302 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 91 Resp: 108749
Ion Ratio Lower Upper
91 100
106 47.2 25.0 75.0

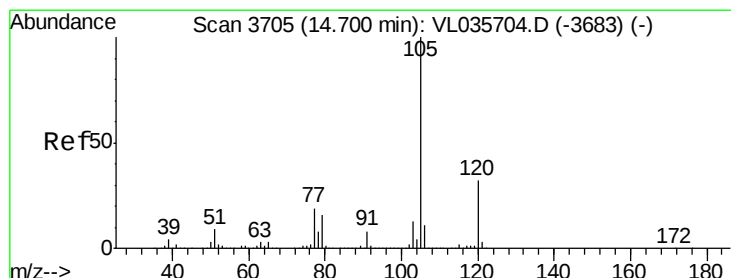
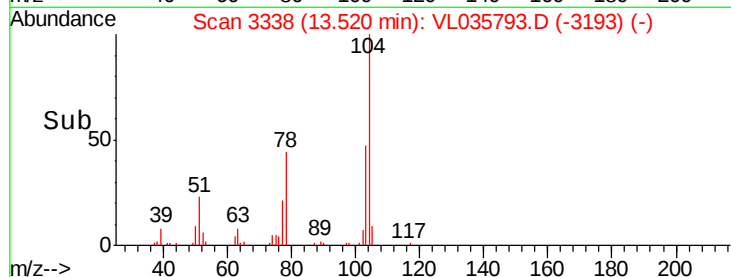
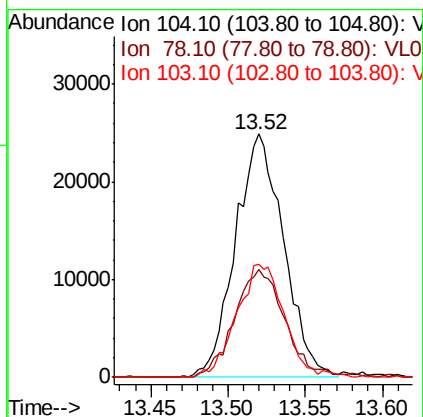
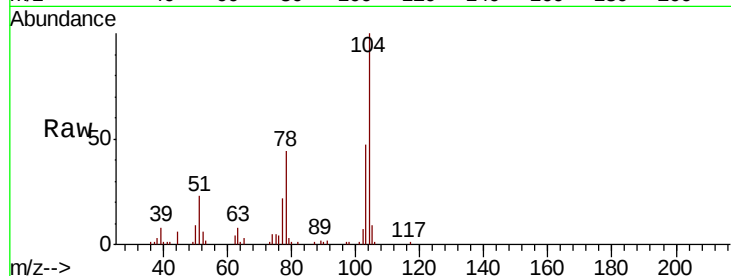




#61
Stvrene
Concen: 0.217 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

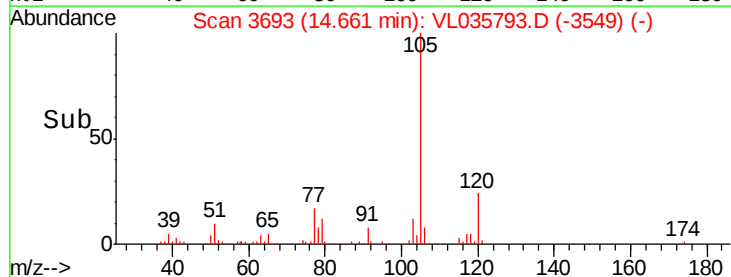
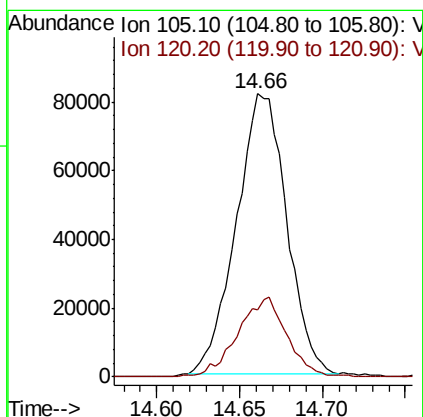
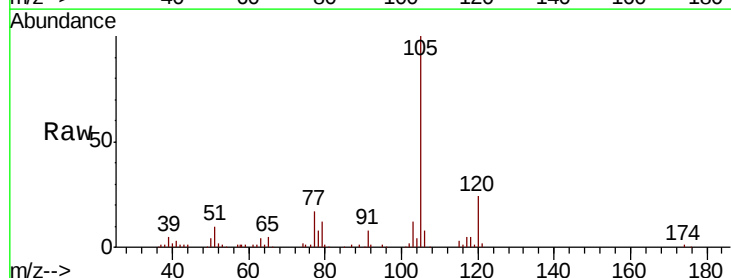
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

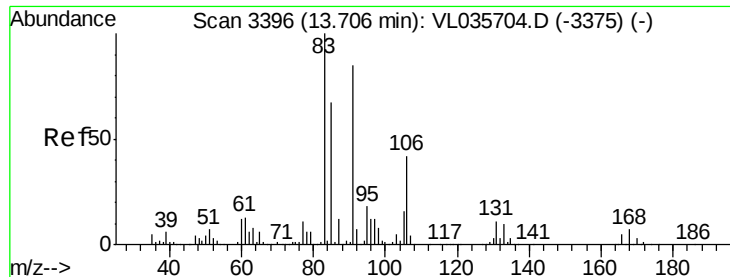
Tot Ion:104 Resp: 53878
Ion Ratio Lower Upper
104 100
78 46.7 37.2 55.8
103 46.2 38.2 57.2



#62
Isopropylbenzene
Concen: 0.311 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:105 Resp: 173270
Ion Ratio Lower Upper
105 100
120 27.6 24.1 36.1





#63

1,1,2,2-Tetrachloroethane

Concen: 0.414 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

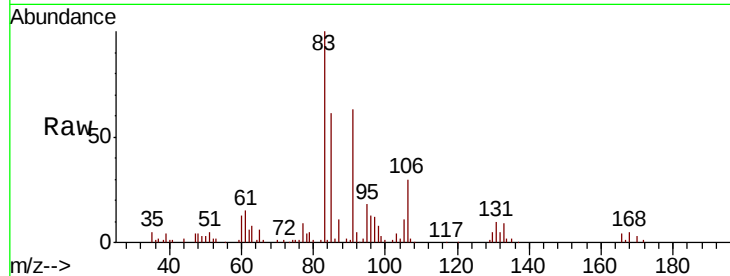
Tot Ion: 83 Resp: 121962

Ion Ratio Lower Upper

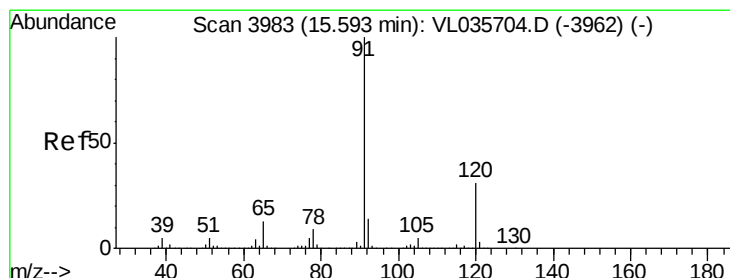
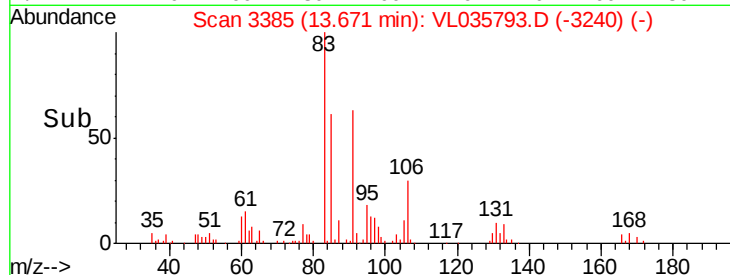
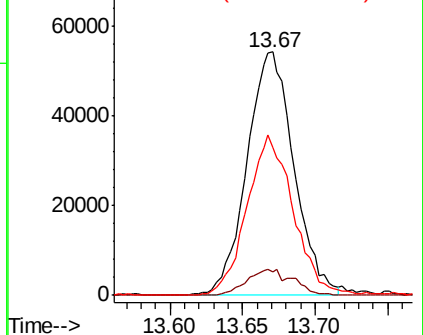
83 100

131 10.5 5.3 16.1

85 65.8 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.287 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. -0.04 min

Lab File: VL035793.D

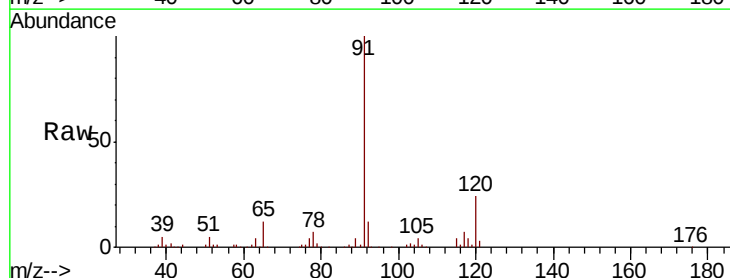
Acq: 19 Oct 2020 14:03

Tgt Ion:120 Resp: 46836

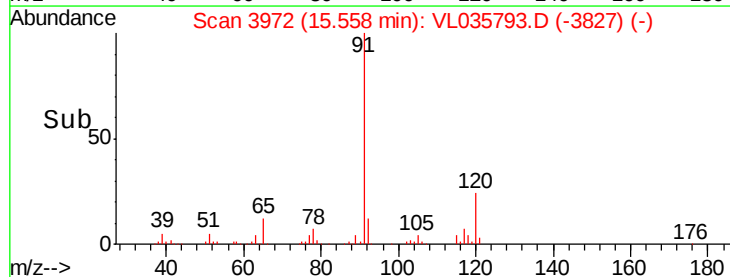
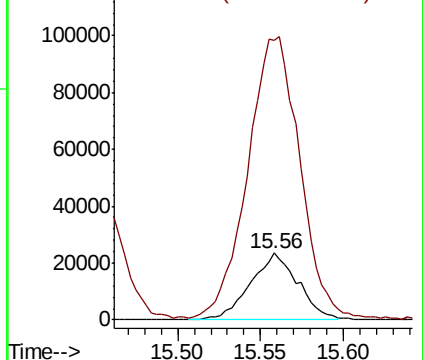
Ion Ratio Lower Upper

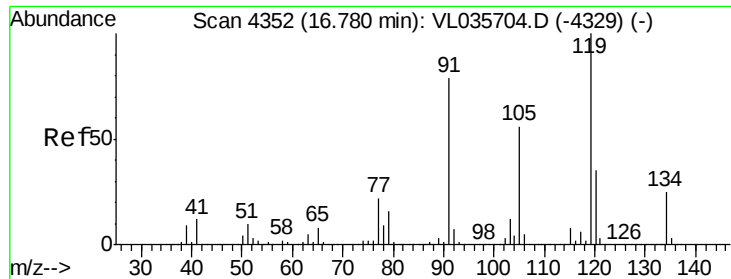
120 100

91 470.7 300.4 450.6#



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

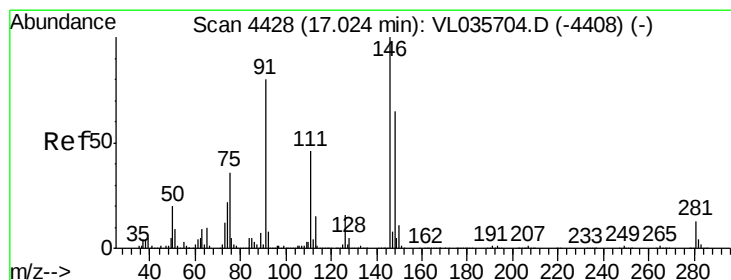
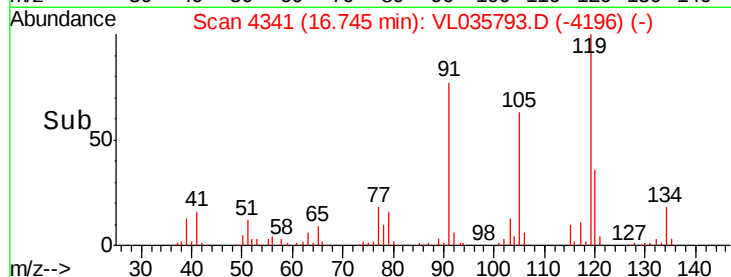
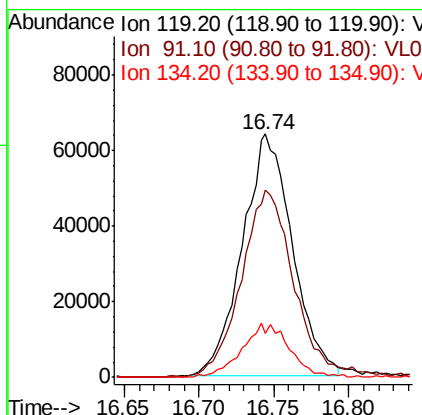
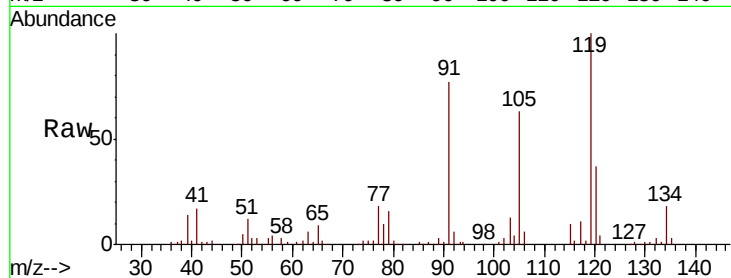




#65
tert-Butylbenzene
Concen: 0.294 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

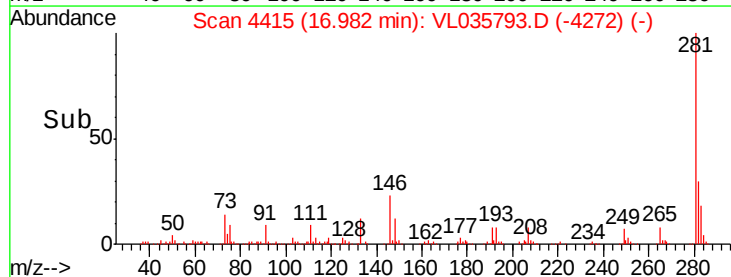
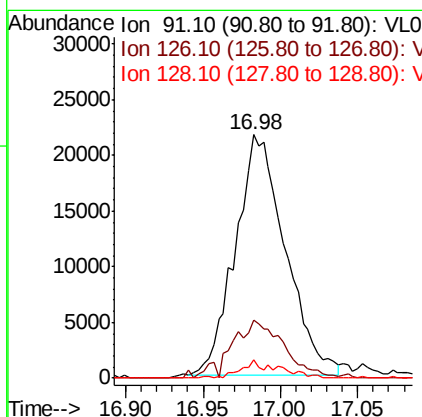
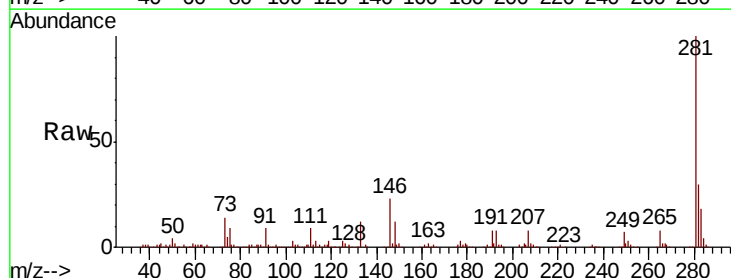
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

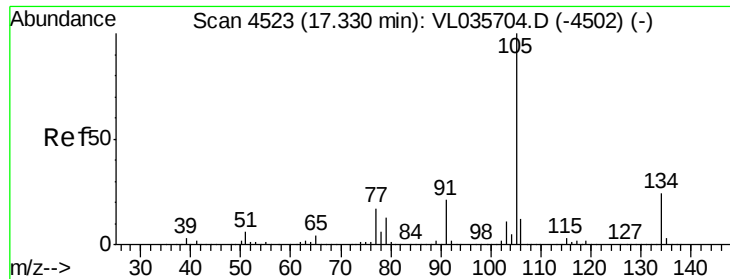
Tot Ion: 119 Resp: 148927
Ion Ratio Lower Upper
119 100
91 82.7 62.4 93.6
134 21.2 18.2 27.2



#66
Benzyl Chloride
Concen: 0.317 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion: 91 Resp: 48748
Ion Ratio Lower Upper
91 100
126 25.5 15.3 22.9#
128 5.5 5.0 7.4

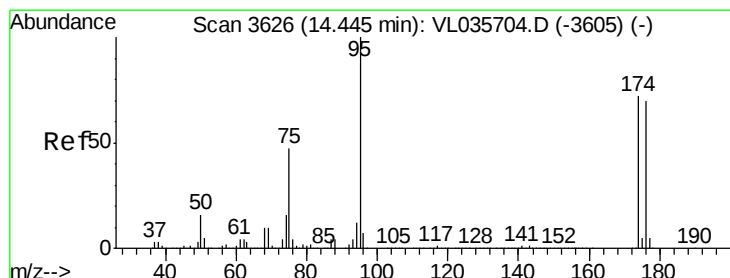
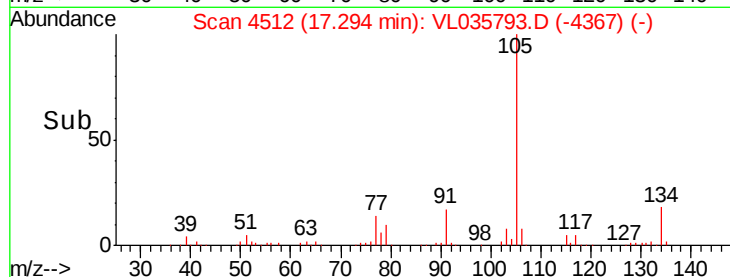
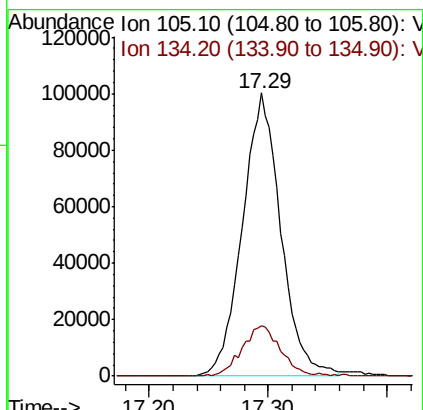
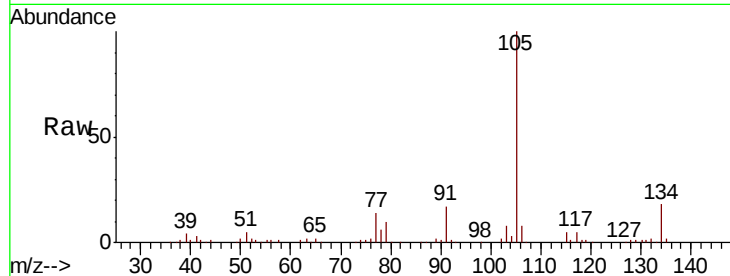




#67
 sec-Butylbenzene
 Concen: 0.320 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.04 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

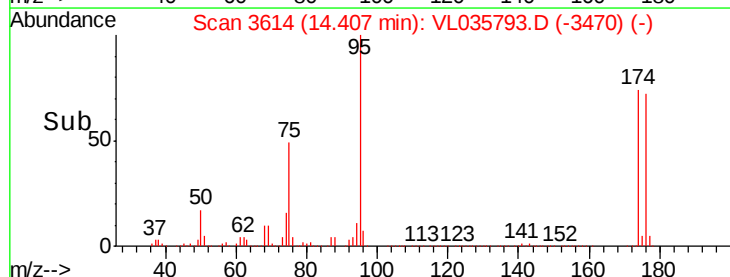
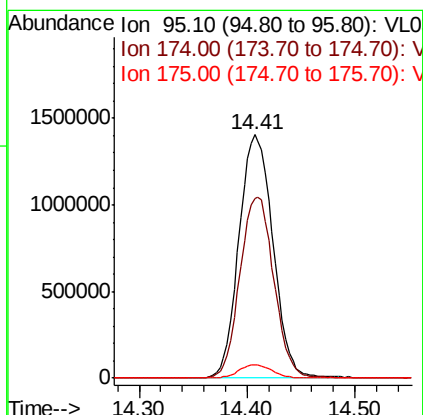
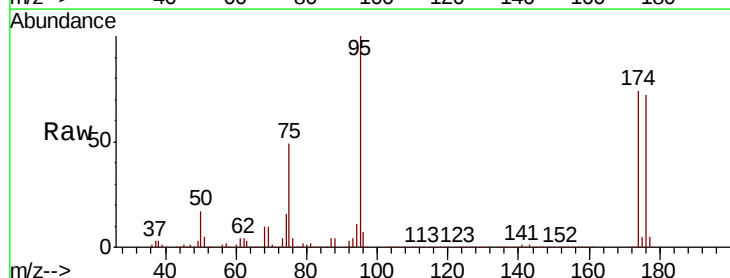
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

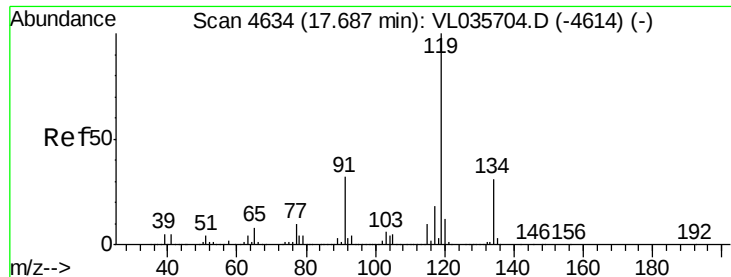
Tot Ion:105 Resp: 223851
 Ion Ratio Lower Upper
 105 100
 134 18.1 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.156 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. -0.04 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

Tgt Ion: 95 Resp: 3086913
 Ion Ratio Lower Upper
 95 100
 174 74.8 59.6 89.4
 175 5.4 4.2 6.4

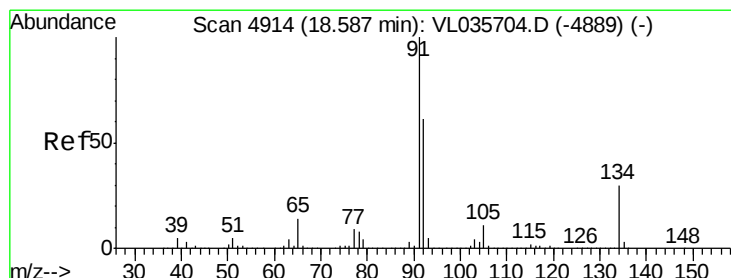
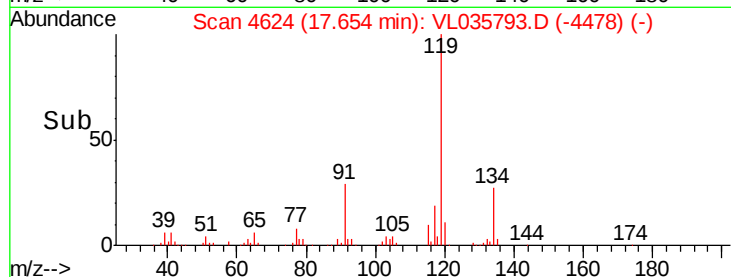
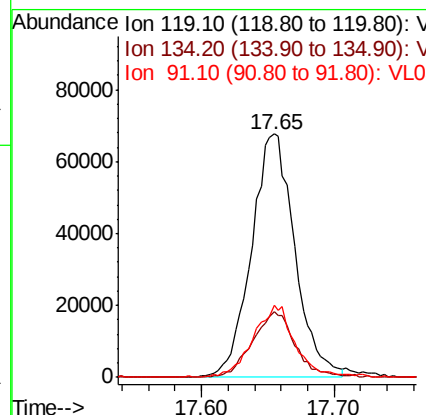
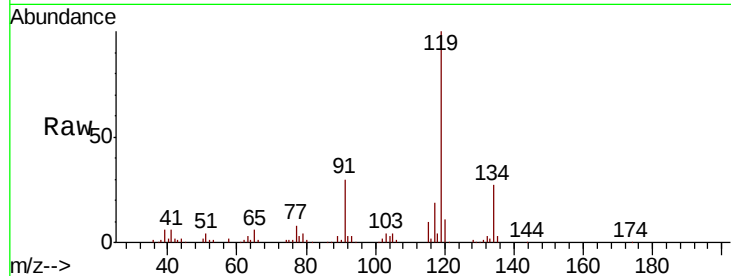




#69
 p-Isopropyltoluene
 Concen: 0.271 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.03 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

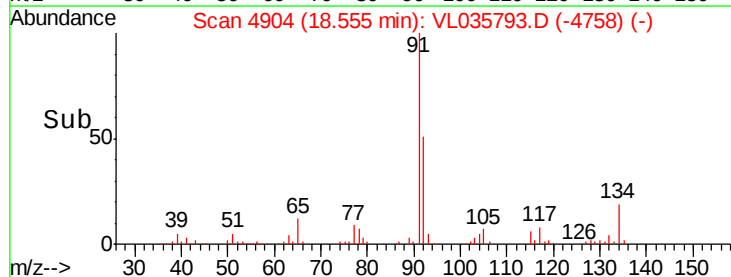
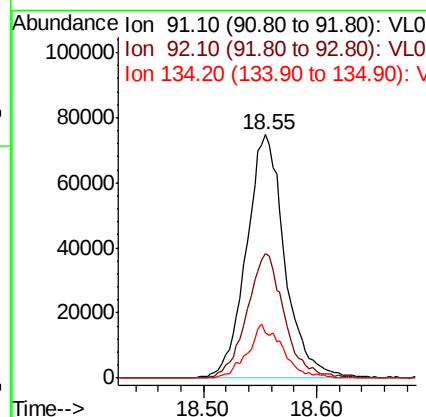
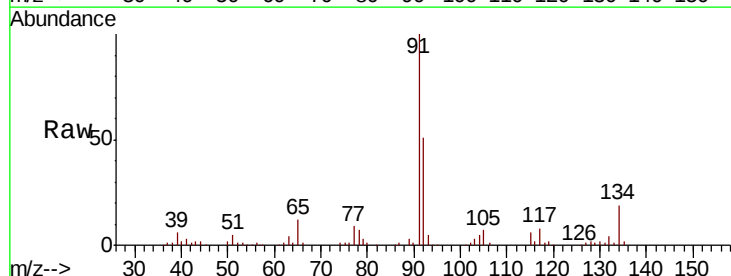
Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-01-QT4-2020

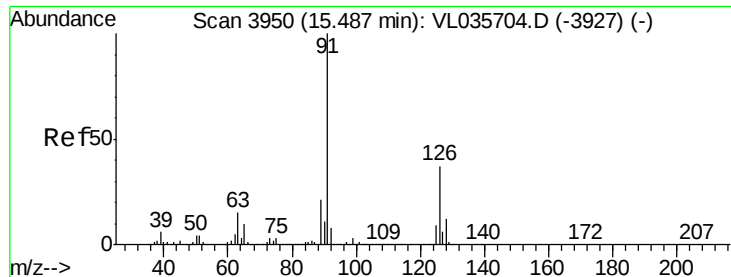
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	23.9	35.9
91	29.1	23.8	35.6



#70
 n-Butylbenzene
 Concen: 0.300 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. -0.03 min
 Lab File: VL035793.D
 Acq: 19 Oct 2020 14:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.1	47.0	70.4
134	20.4	21.9	32.9





#71

2-Chlorotoluene

Concen: 0.285 ppbv

RT: 15.45 min Scan# 3938

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

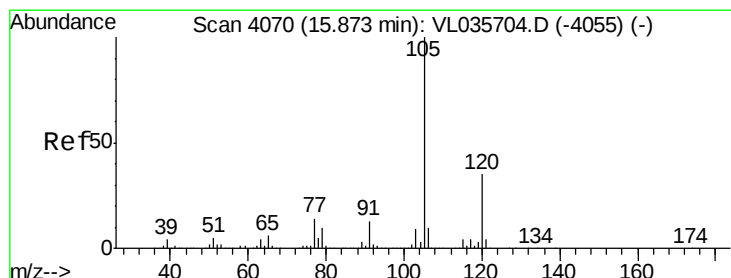
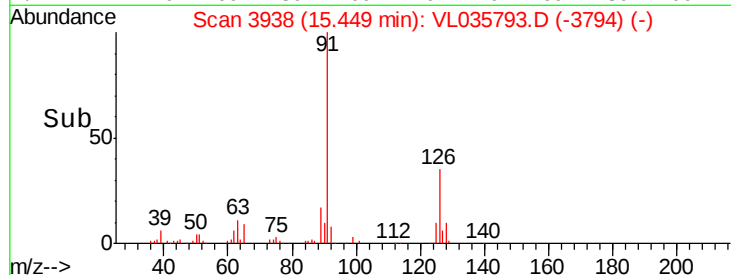
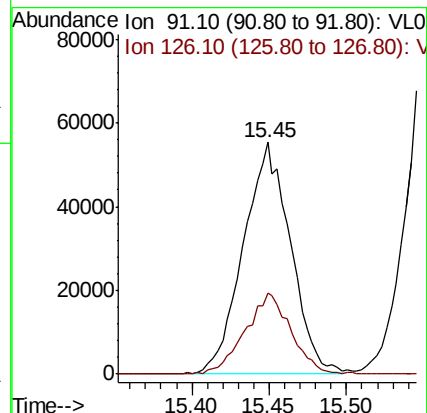
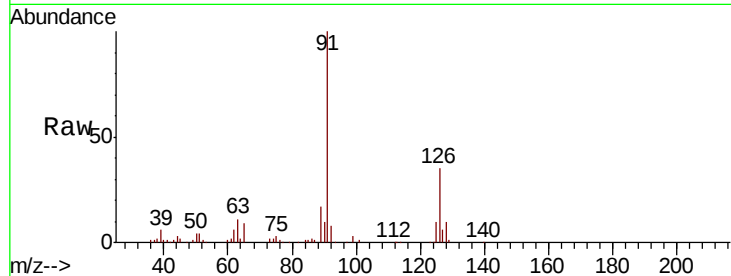
MDL-AIR-01-QT4-2020

Tot Ion: 91 Resp: 116100

Ion Ratio Lower Upper

91 100

126 34.6 14.4 57.4



#72

4-Ethyltoluene

Concen: 0.258 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Tgt Ion:105 Resp: 109872

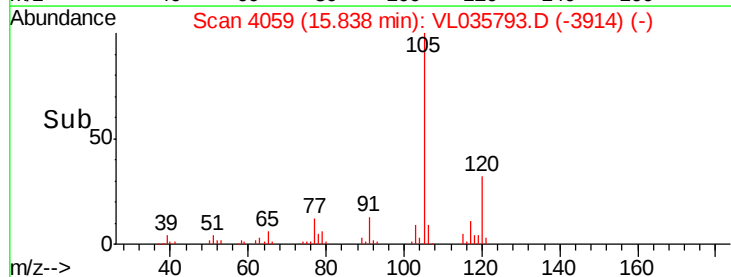
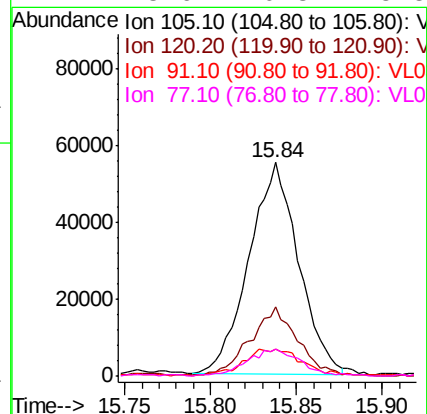
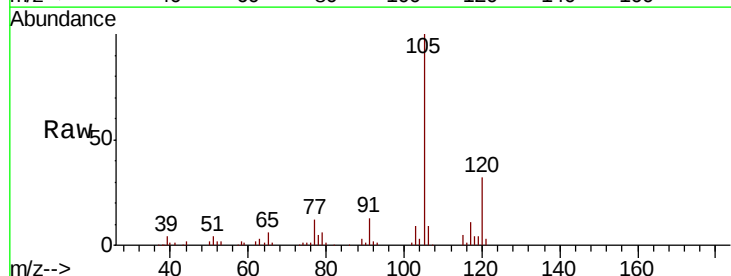
Ion Ratio Lower Upper

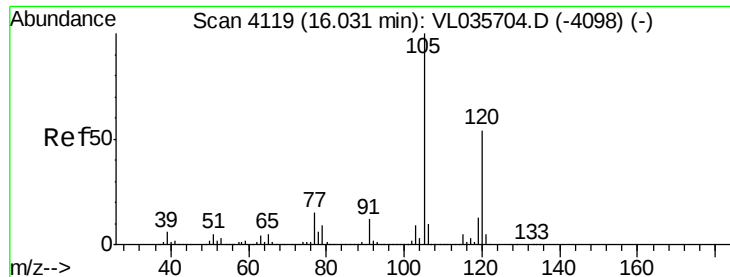
105 100

120 32.0 26.5 39.7

91 14.7 10.2 15.2

77 13.6 10.3 15.5



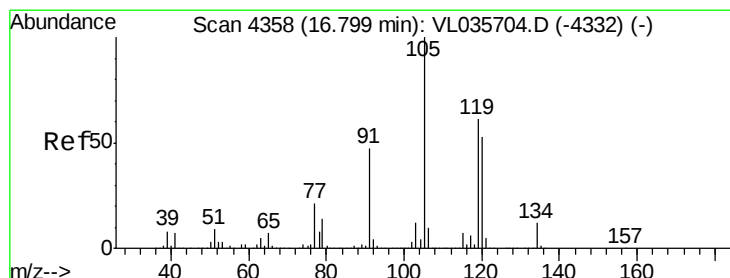
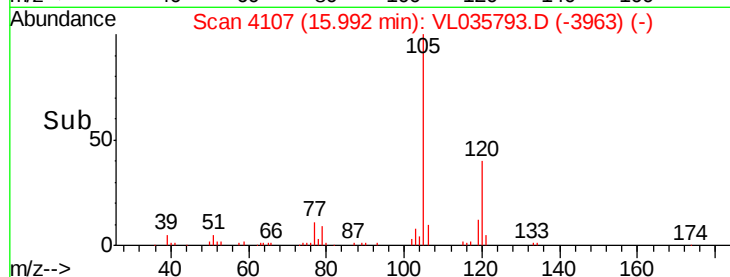
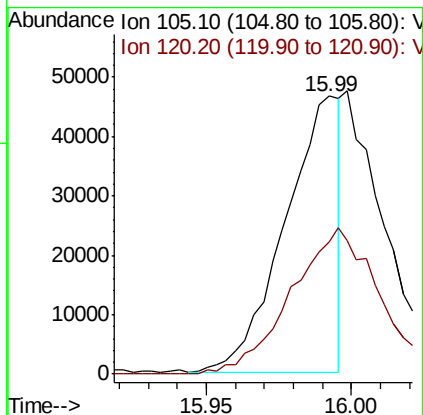
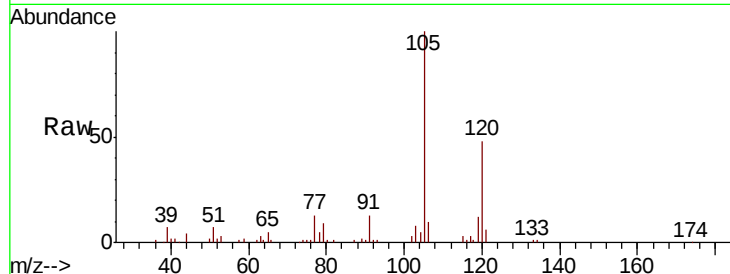


#73

1,3,5-Trimethylbenzene
Concen: 0.152 ppbv
RT: 15.99 min Scan# 4107
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

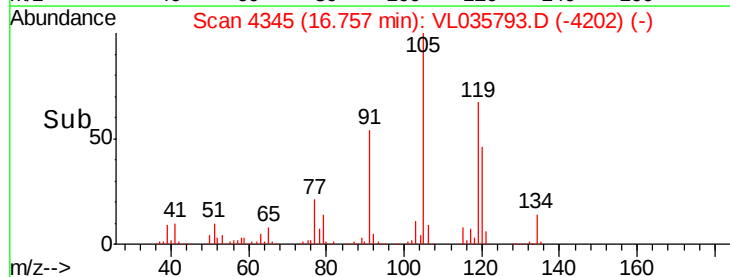
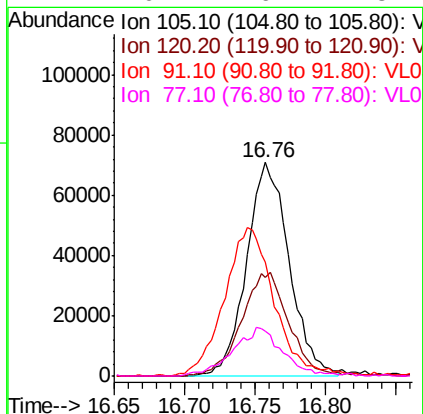
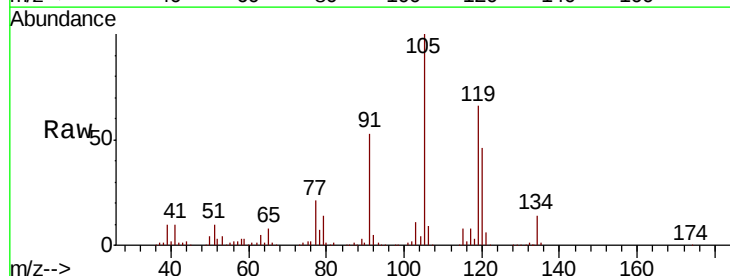
Tot Ion:105 Resp: 60996
Ion Ratio Lower Upper
105 100
120 47.8 43.0 64.4

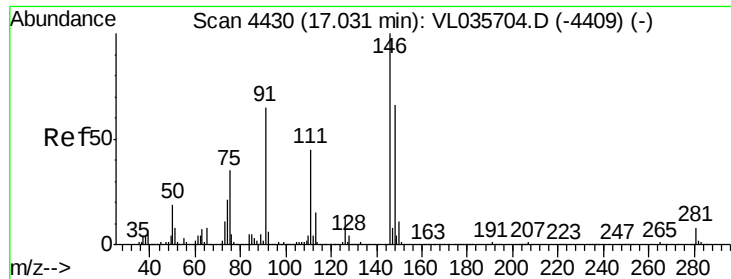


#74

1,2,4-Trimethylbenzene
Concen: 0.330 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:105 Resp: 149825
Ion Ratio Lower Upper
105 100
120 45.5 42.5 63.7
91 51.1 37.7 56.5
77 20.7 16.7 25.1





#75

1,3-Dichlorobenzene

Concen: 0.202 ppbv

RT: 16.99 min Scan# 4416

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

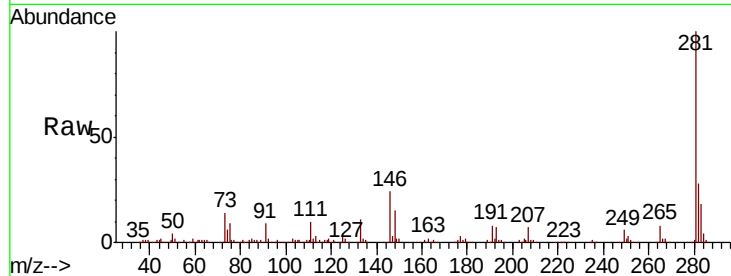
Tot Ion:146 Resp: 62496

Ion Ratio Lower Upper

146 100

111 0.0 22.4 67.0#

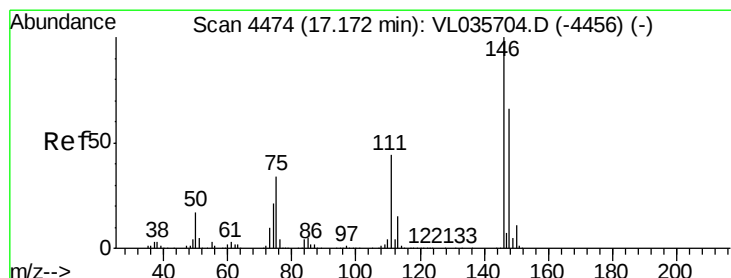
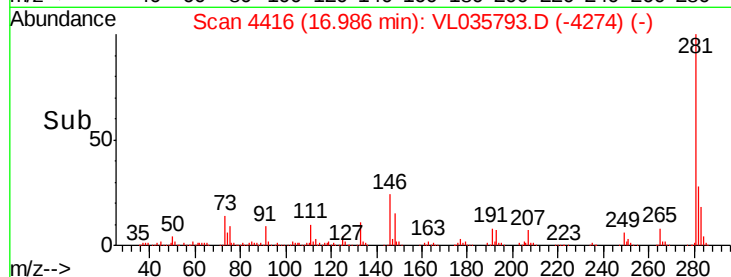
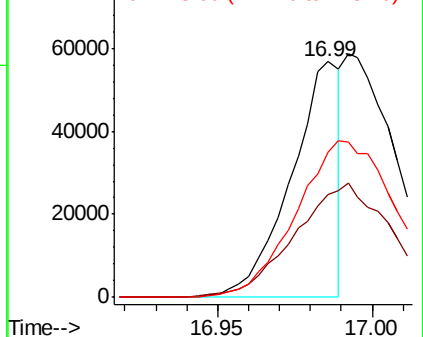
148 0.0 33.0 99.0#



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: 0.362 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

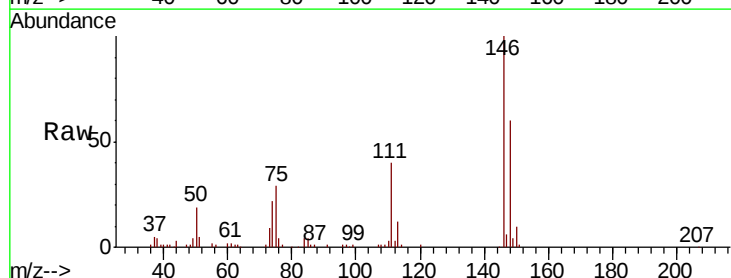
Tgt Ion:146 Resp: 107101

Ion Ratio Lower Upper

146 100

111 43.4 21.4 64.3

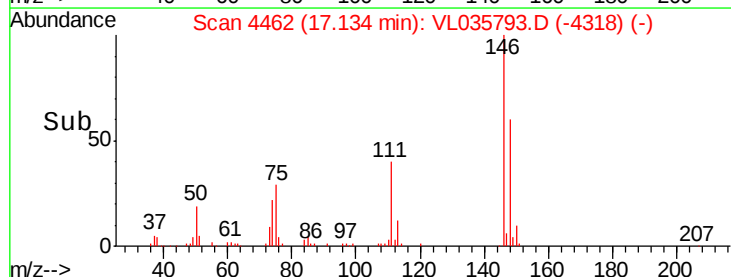
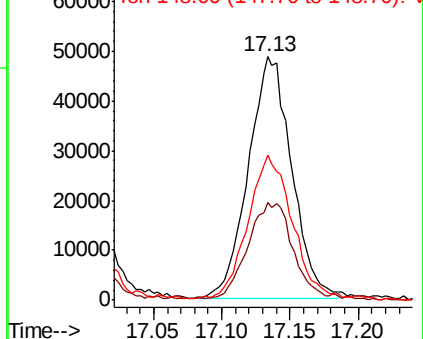
148 63.1 32.6 98.0

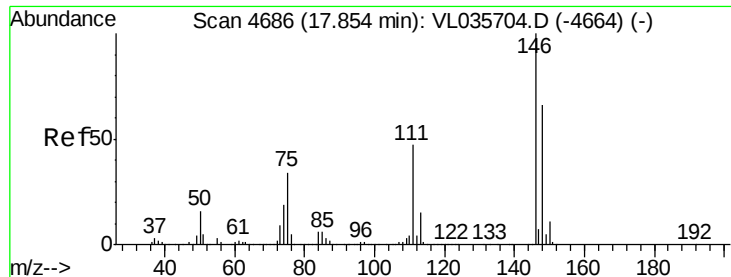


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.353 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

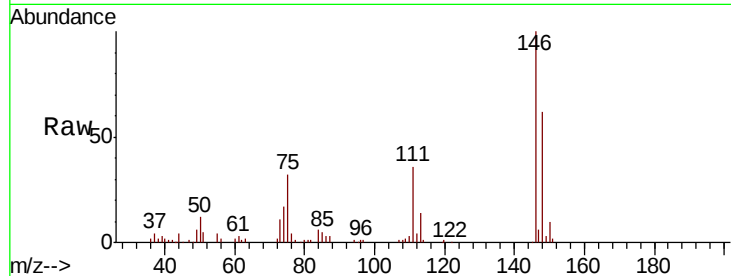
Instrument :

MSVOA_L

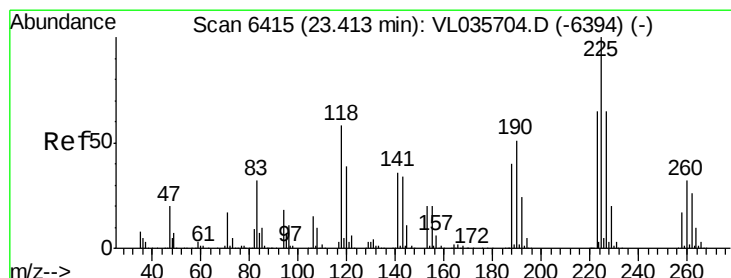
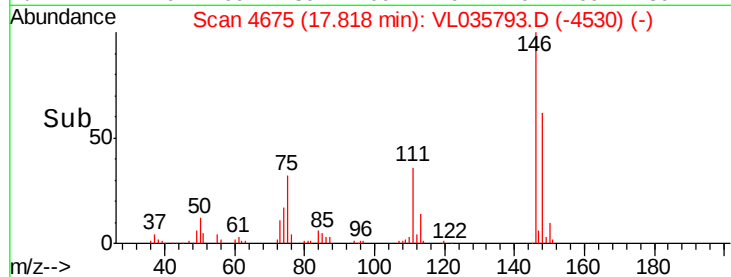
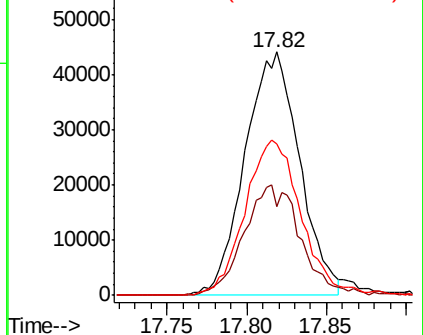
ClientSampleId :

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Tot Ion:	146	Resp:	103407
Ion	Ratio	Lower	Upper
146	100		
111	47.0	22.9	68.5
148	66.1	32.6	98.0



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.378 ppbv

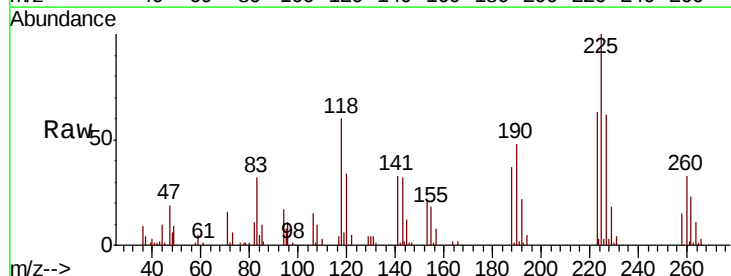
RT: 23.38 min Scan# 6406

Delta R.T. -0.03 min

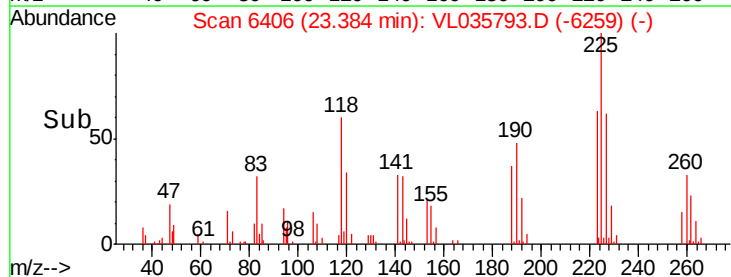
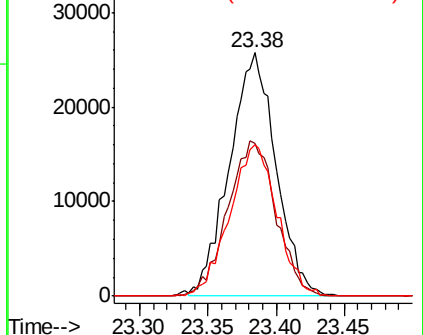
Lab File: VL035793.D

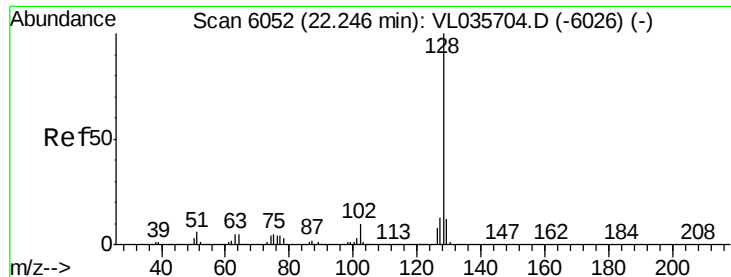
Acq: 19 Oct 2020 14:03

Tgt Ion:	225	Resp:	61090
Ion	Ratio	Lower	Upper
225	100		
223	66.0	51.3	76.9
227	63.1	51.6	77.4



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

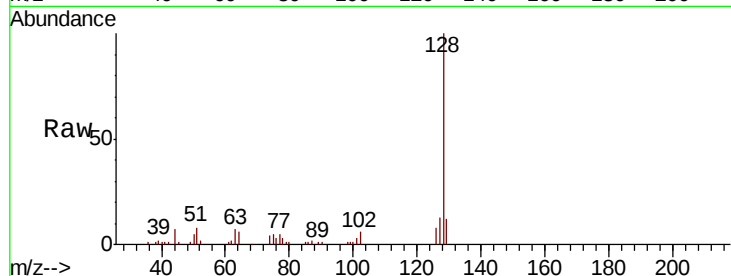




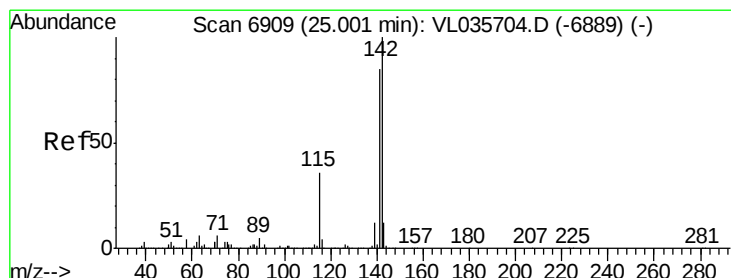
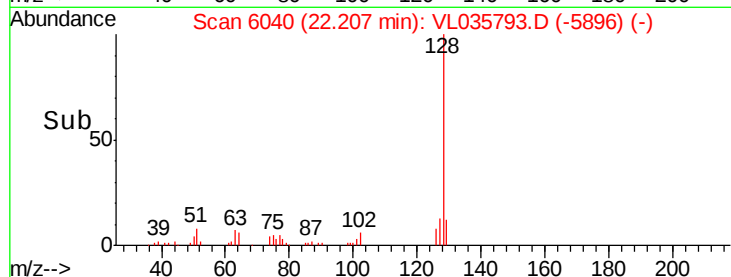
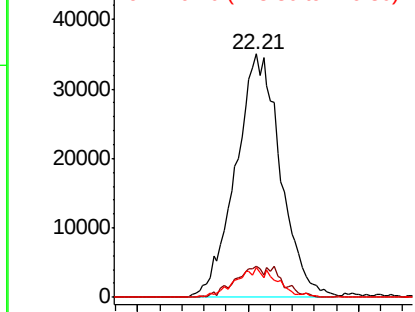
#79
Naphthalene
Concen: 0.229 ppbv
RT: 22.21 min Scan# 6040
Delta R.T. -0.04 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-01-QT4-2020

Tot Ion:128 Resp: 99003
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 12.2 9.4 14.0

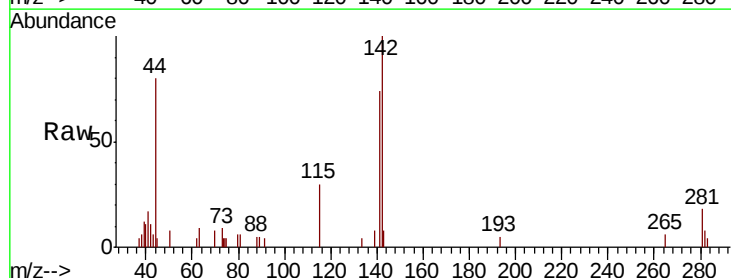


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

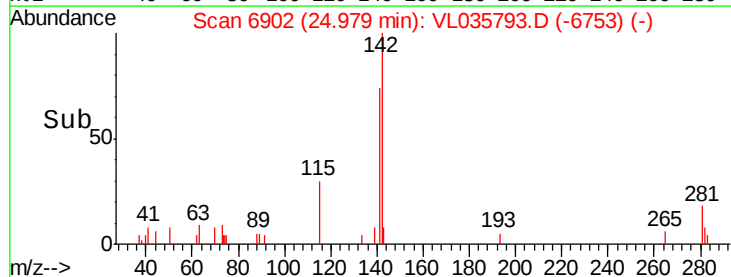
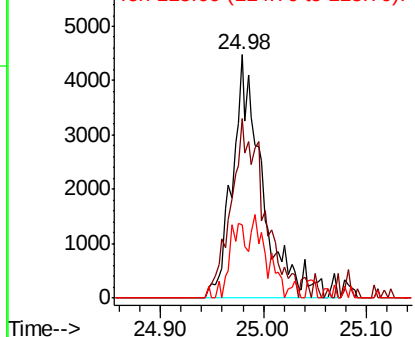


#80
Naphthalene, 2-methyl-
Concen: 0.091 ppbv
RT: 24.98 min Scan# 6902
Delta R.T. -0.02 min
Lab File: VL035793.D
Acq: 19 Oct 2020 14:03

Tgt Ion:142 Resp: 9254
Ion Ratio Lower Upper
142 100
141 78.9 68.2 102.4
115 40.0 27.8 41.6



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





#81

1,2,4-Trichlorobenzene

Concen: 0.297 ppbv

RT: 21.94 min Scan# 5956

Delta R.T. -0.04 min

Lab File: VL035793.D

Acq: 19 Oct 2020 14:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-01-QT4-2020

Tot Ion:180 Resp: 66576

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

184 30.2 24.6 37.0

