Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
Data File : VL038687.D
Acq On : 22 Mar 2022 17:02
Operator : SY/AP
Sample : N1961-09DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0P72DL

Quant Time: Mar 23 04:13:36 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	921503	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2413056	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2209736	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1618336	9.55	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	3770	0.03	ppbv		99
3) Chlorodifluoromethane	2.96	51	43638	0.45	ppbv	#	73
4) Chloromethane	3.14	50	18449	0.35	ppbv		98
6) Bromomethane	3.47	94	2087	0.07	ppbv	#	67
7) Chloroethane	3.55	64	2069	0.12	ppbv		100
9) Propene	3.20	41	234180	4.98	ppbv		92
10) Heptane	8.10	43	2504	0.02	ppbv	#	1
11) Trichlorofluoromethane	3.94	101	5569	0.05	ppbv	#	79
13) Ethanol	3.59	45	206765	39.89	ppbv		98
15) Acetone	3.84	43	352264	4.43	ppbv	#	64
16) 1,3-Butadiene	3.30	39	10314	0.23	ppbv	#	6
17) tert-Butyl alcohol	4.28	59	56034	0.81	ppbv	#	73
19) Isopropyl Alcohol	3.95	45	326806	7.41	ppbv		99
20) Methylene Chloride	4.34	84	79458	2.37	ppbv		97
21) Allyl Chloride	4.59	41	46167	0.81	ppbv	#	66
23) Vinyl Acetate	5.04	43	256963	3.34	ppbv	#	1
25) Ethyl Acetate	5.66	43	424627	2.12	ppbv	#	96
26) Hexane	5.68	57	135781	1.52	ppbv	#	64
27) Carbon Disulfide	4.54	76	19218	0.22	ppbv	#	74
29) Chloroform	5.74	83	4922	0.03	ppbv		99
30) Cyclohexane	7.12	84	17429	0.22	ppbv	#	1
31) cis-1,2-Dichloroethene	5.66	61	39717	0.47	ppbv	#	24
34) 2-Butanone	5.23	43	128299	1.34	ppbv	#	89
36) Benzene	6.87	78	15524	0.08	ppbv	#	83
37) 1,2-Dichloroethane	6.29	62	4158	0.04	ppbv	#	90
39) 1,2-Dichloropropane	7.16	63	551099	7.57	ppbv	#	27
43) Methyl Methacrylate	8.00	69	1432	0.02	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.85	57	77825	0.25	ppbv	#	78
50) 4-Methyl-2-Pentanone	8.74	43	14766	0.08	ppbv	#	25
53) Toluene	9.79	91	2753072	13.76	ppbv		100
58) Ethyl Benzene	12.69	91	24653	0.10	ppbv		98
59) m/p-Xylene	12.98	91	28196	0.12	ppbv	#	30
60) o-Xylene	13.67	91	20589	0.10	ppbv	#	30
61) Styrene	13.51	104	22338	0.19	ppbv		96
62) Isopropylbenzene	14.65	105	6700	0.02	ppbv		94
69) p-Isopropyltoluene	17.64	119	32336	0.10	ppbv	#	89
74) 1,2,4-Trimethylbenzene	16.74	105	7161	0.03	ppbv	#	84
78) Hexachloro-1,3-Butadiene	23.35	225	3030	0.02	ppbv	#	18

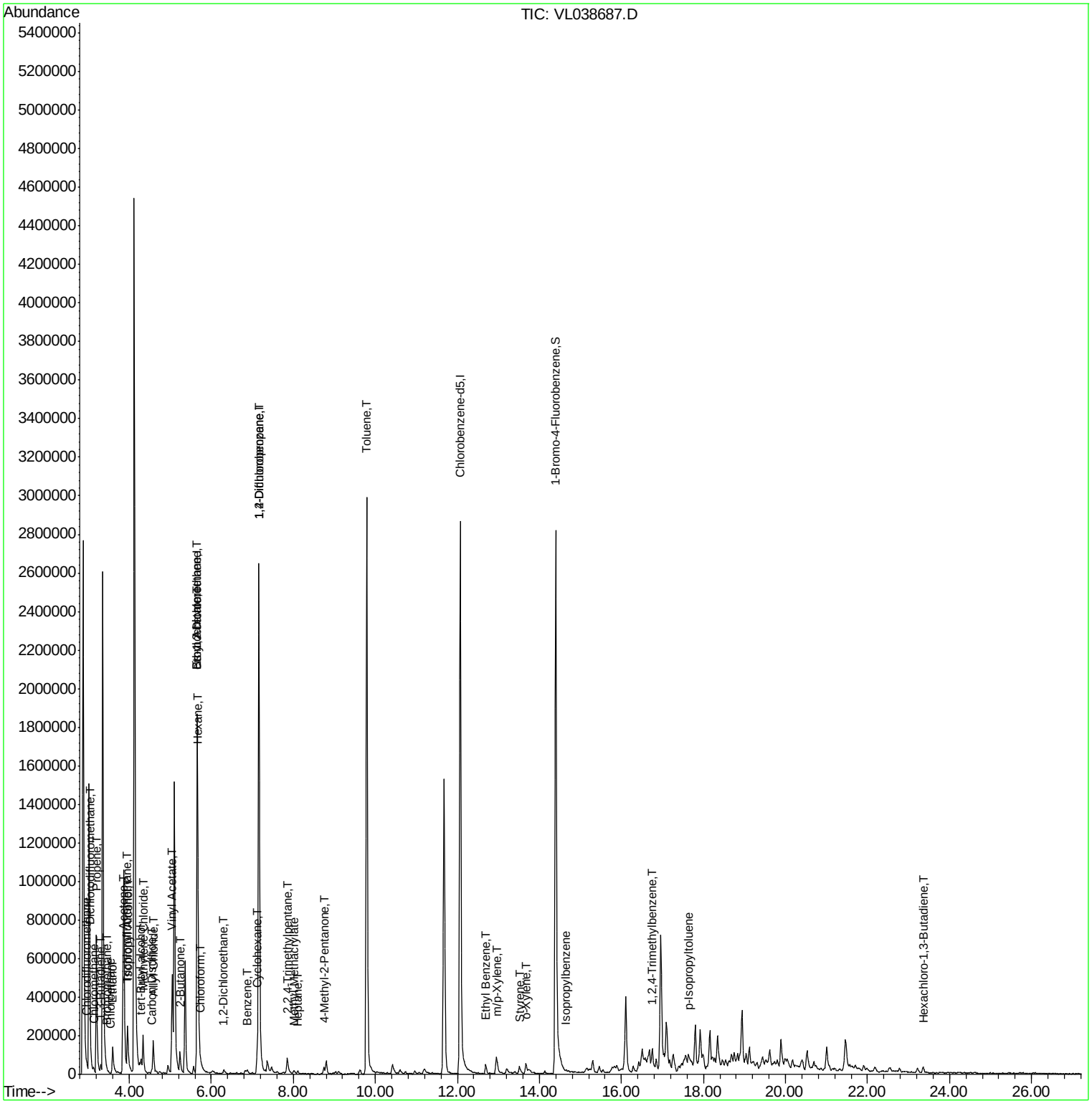
(#) = qualifier out of range (m) = manual integration (+) = signals summed

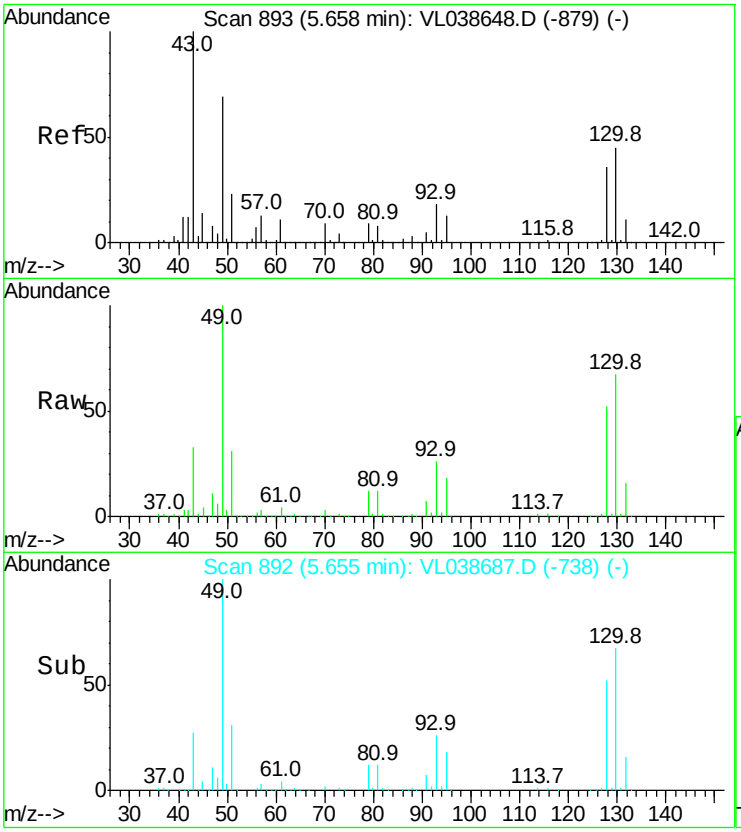
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
Data File : VL038687.D
Acq On : 22 Mar 2022 17:02
Operator : SY/AP
Sample : N1961-09DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Quant Time: Mar 23 04:13:36 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration



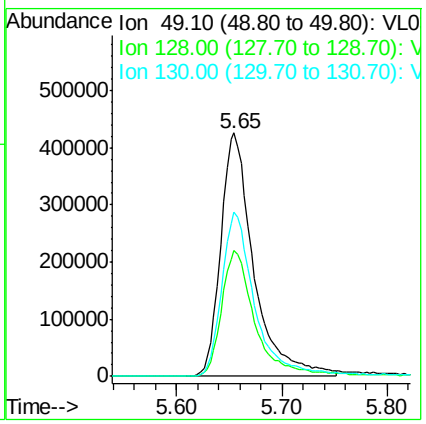


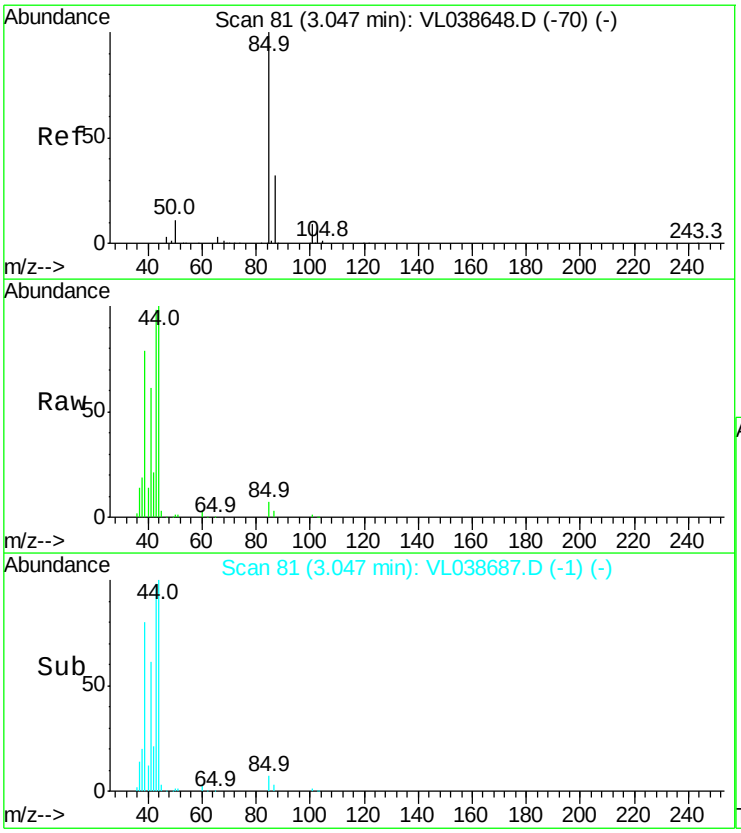
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 49 Resp: 921503

Ion	Ratio	Lower	Upper
49	100		
128	54.0	26.2	78.6
130	69.4	33.7	101.1

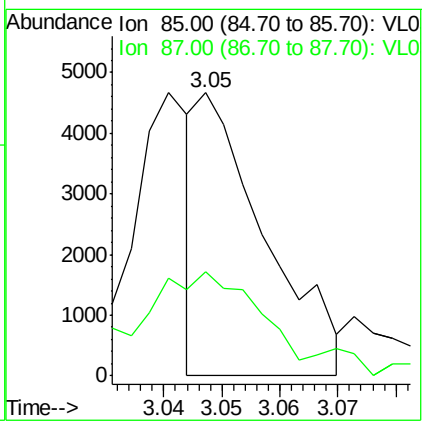


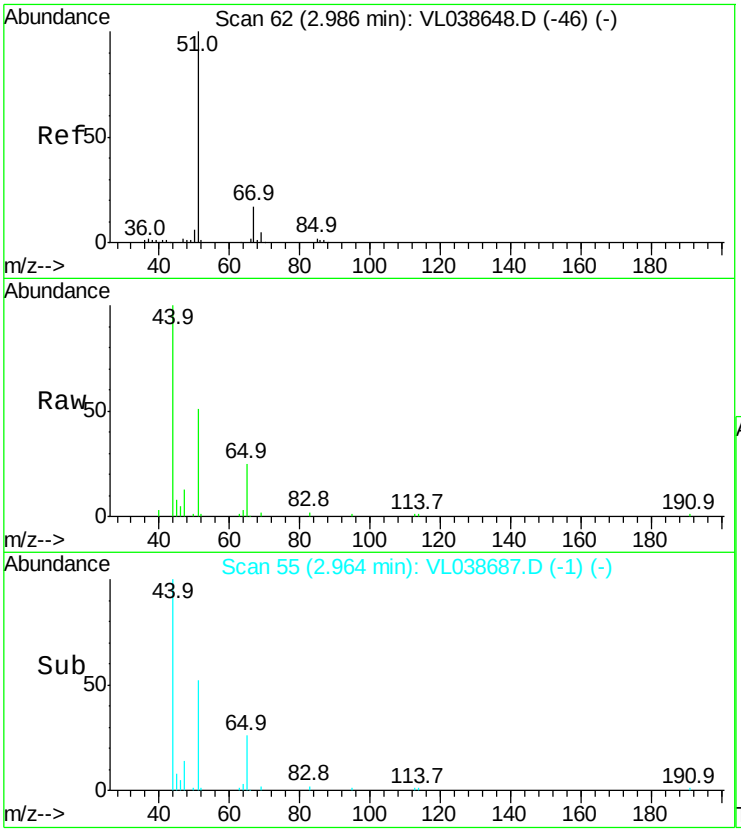


#2
Dichlorodifluoromethane
Concen: 0.03 ppbv
RT: 3.05 min Scan# 81
Delta R.T. -0.00 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 85 Resp: 3770

Ion	Ratio	Lower	Upper
85	100		
87	31.9	26.0	39.0



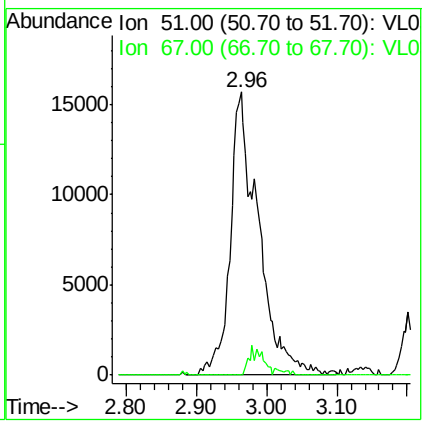


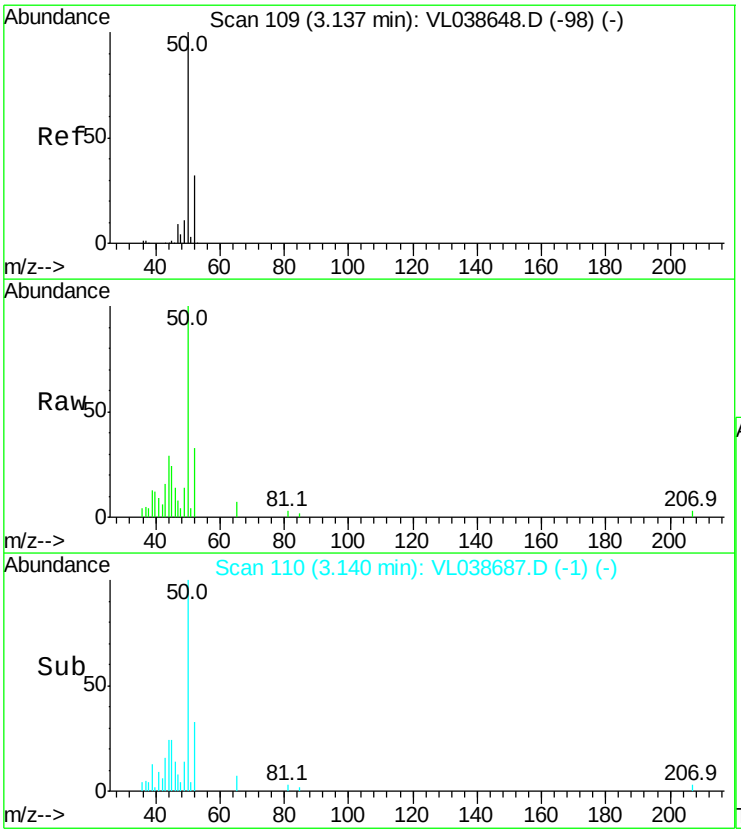
#3
Chlorodifluoromethane
Concen: 0.45 ppbv
RT: 2.96
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 51 Resp: 43638

Ion	Ratio	Lower	Upper
51	100		
67	5.6	14.1	21.1#

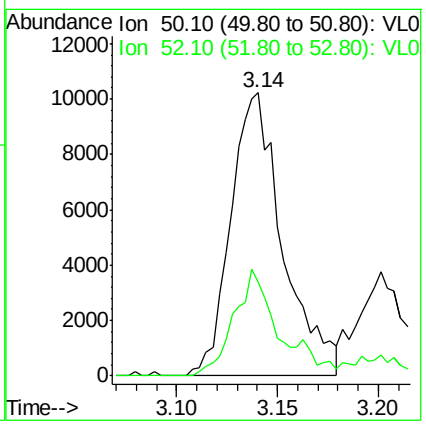


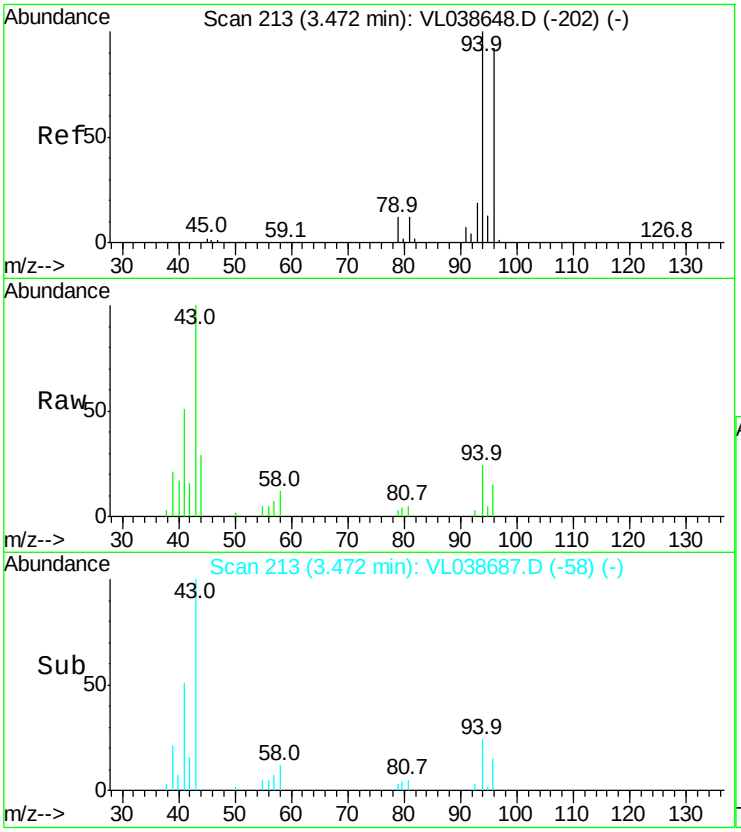


#4
Chloromethane
Concen: 0.35 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 50 Resp: 18449

Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.5	38.3



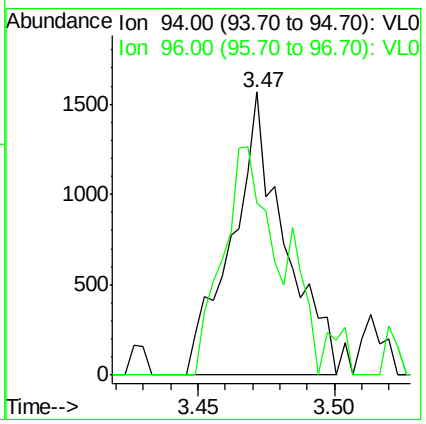


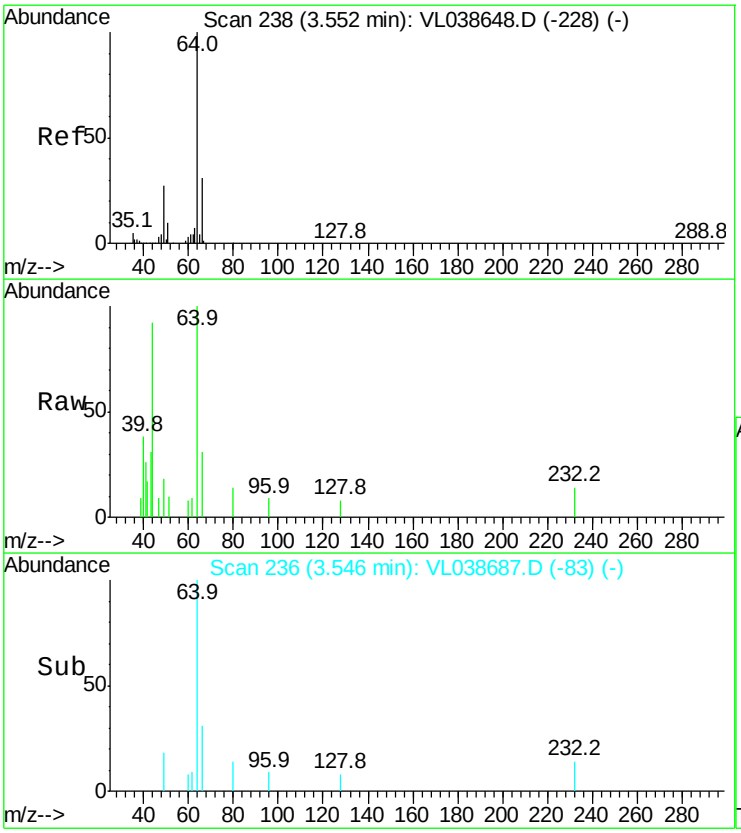
#6
Bromomethane
Concen: 0.07 ppbv
RT: 3.47
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 94 Resp: 2087

Ion	Ratio	Lower	Upper
94	100		
96	60.6	73.3	109.9#

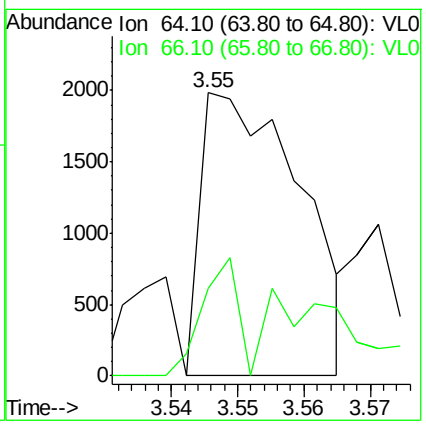


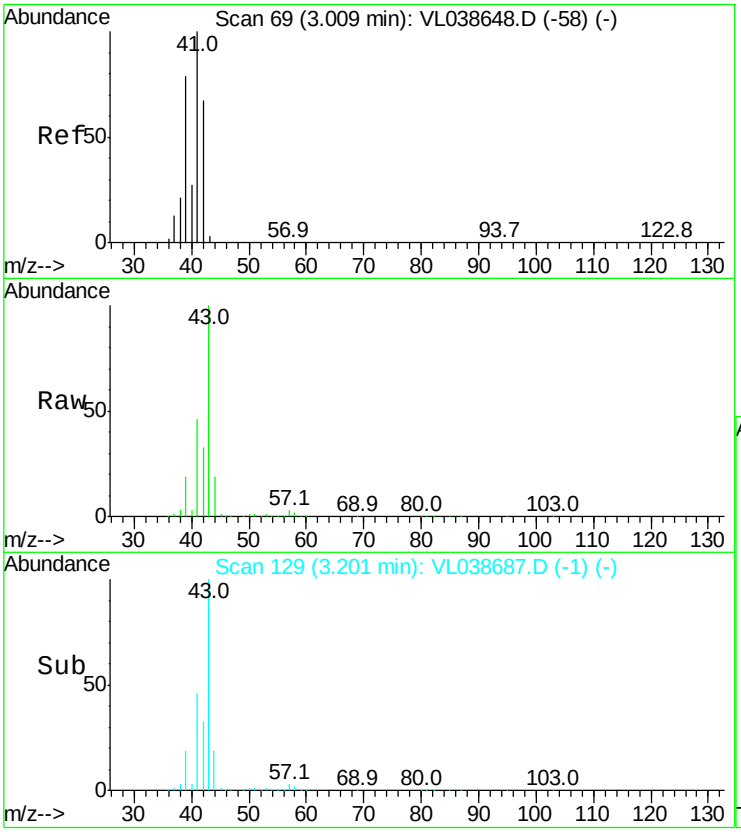


#7
Chloroethane
Concen: 0.12 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 64 Resp: 2069

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.0	37.6



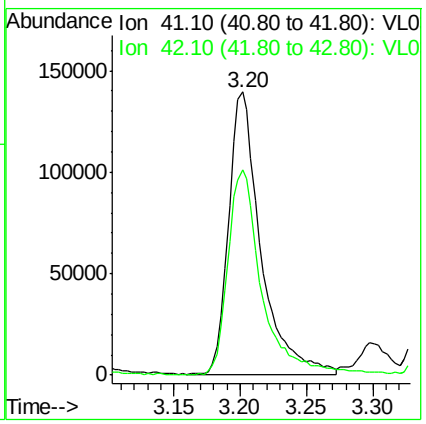


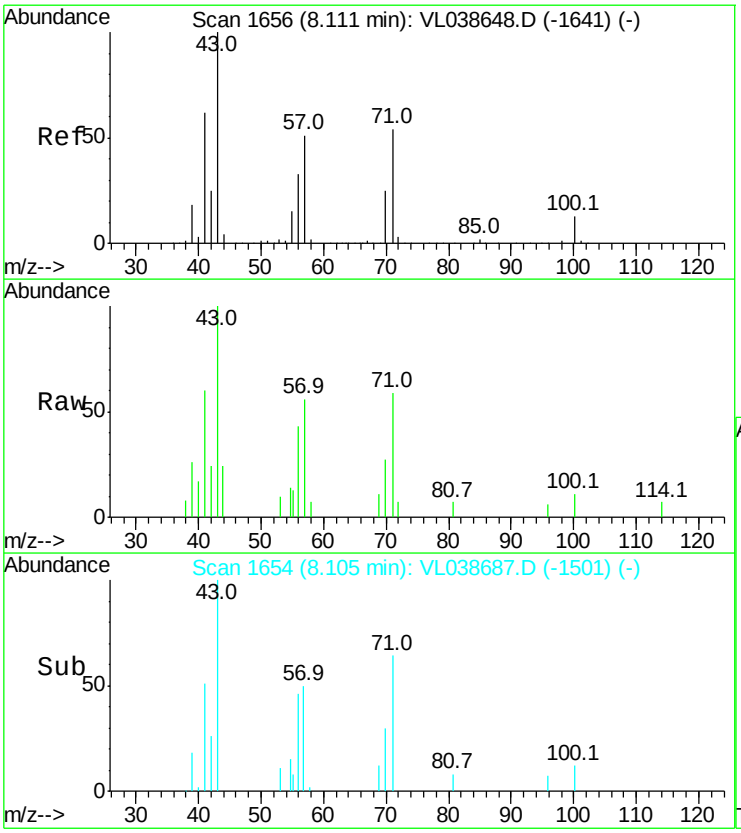
#9
Propene
Concen: 4.98 ppbv
RT: 3.20
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 41 Resp: 234180

Ion	Ratio	Lower	Upper
41	100		
42	76.6	56.2	84.4

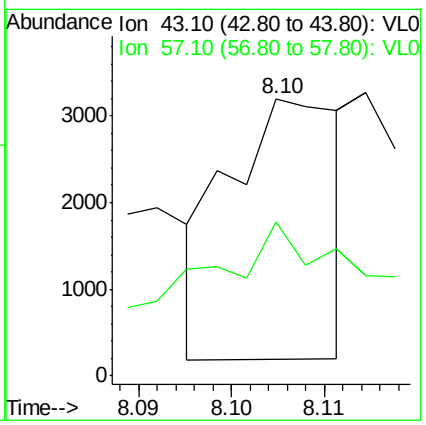


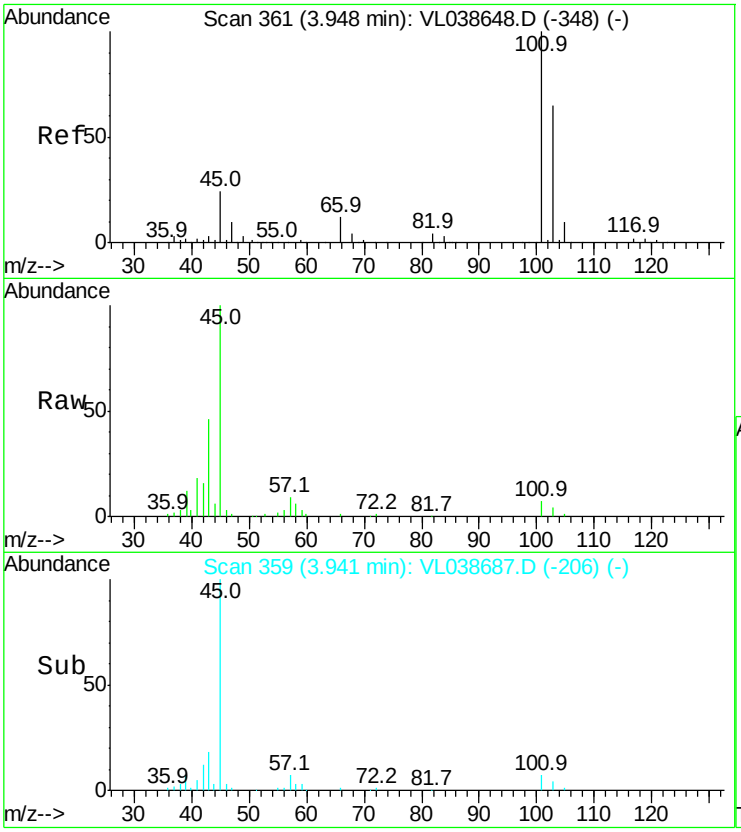


#10
Heptane
Concen: 0.02 ppbv
RT: 8.10 min Scan# 1654
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 43 Resp: 2504

Ion	Ratio	Lower	Upper
43	100		
57	168.9	41.4	62.2#



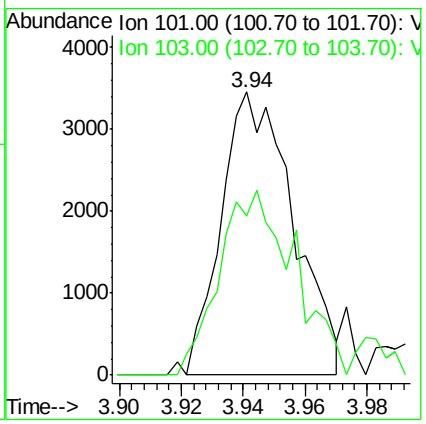


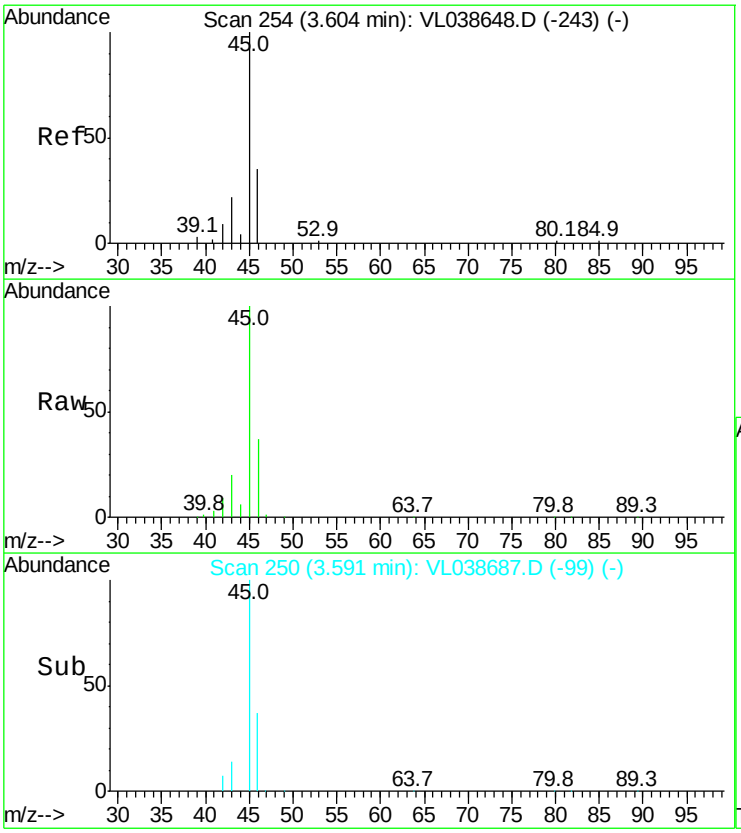
#11
Trichlorofluoromethane
Concen: 0.05 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion:101 Resp: 5569

Ion	Ratio	Lower	Upper
101	100		
103	48.6	51.9	77.9#

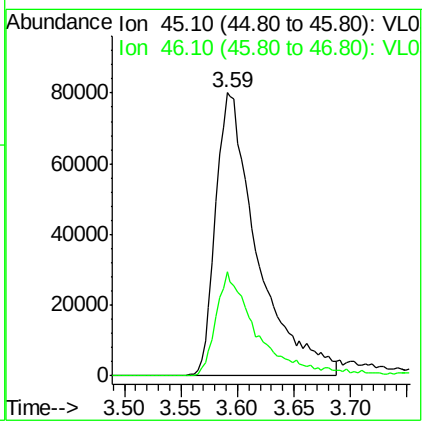


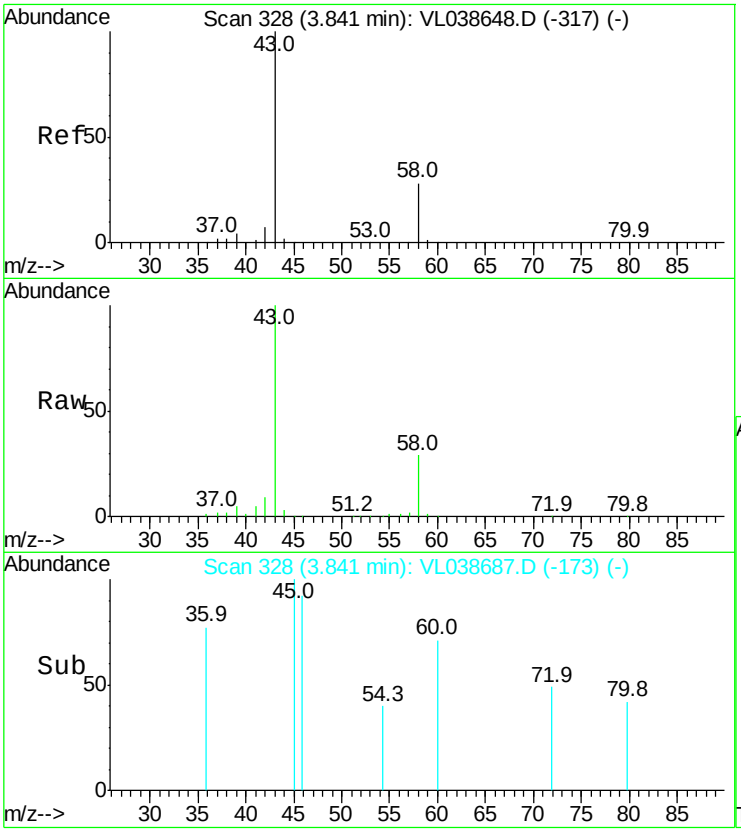


#13
Ethanol
Concen: 39.89 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 45 Resp: 206765

Ion	Ratio	Lower	Upper
45	100		
46	36.6	15.1	60.5



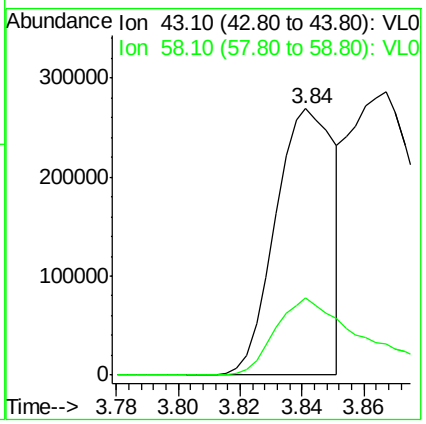


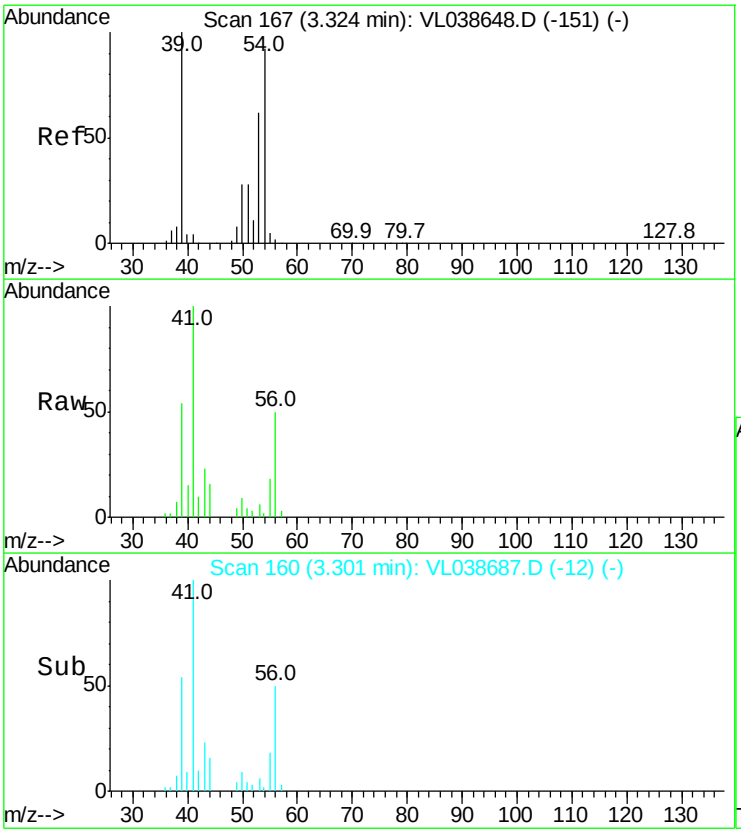
#15
Acetone
Concen: 4.43 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 43 Resp: 352264

Ion	Ratio	Lower	Upper
43	100		
58	48.3	23.3	34.9#

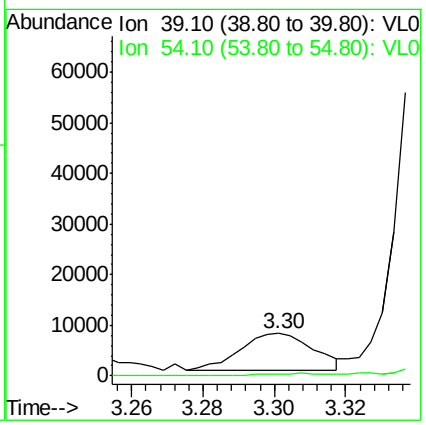


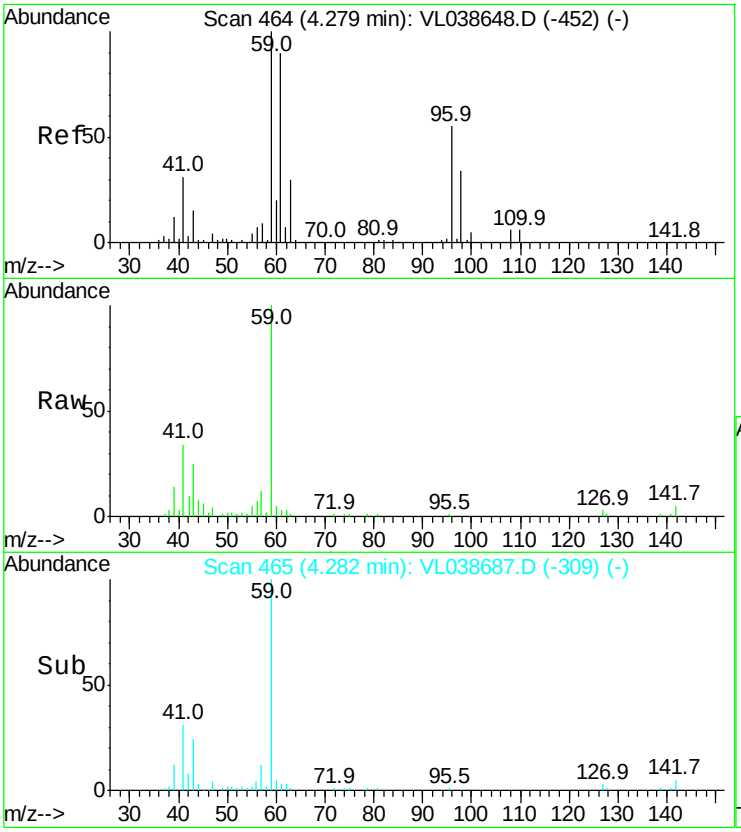


#16
1,3-Butadiene
Concen: 0.23 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.02 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 39 Resp: 10314

Ion	Ratio	Lower	Upper
39	100		
54	0.0	69.1	103.7#



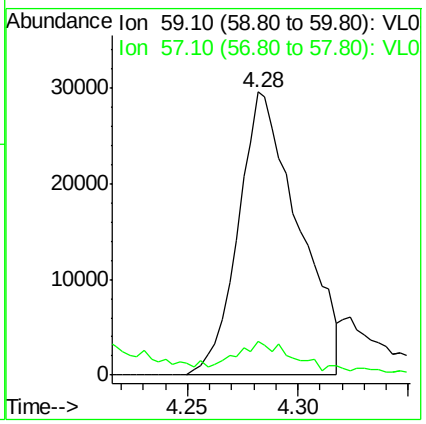


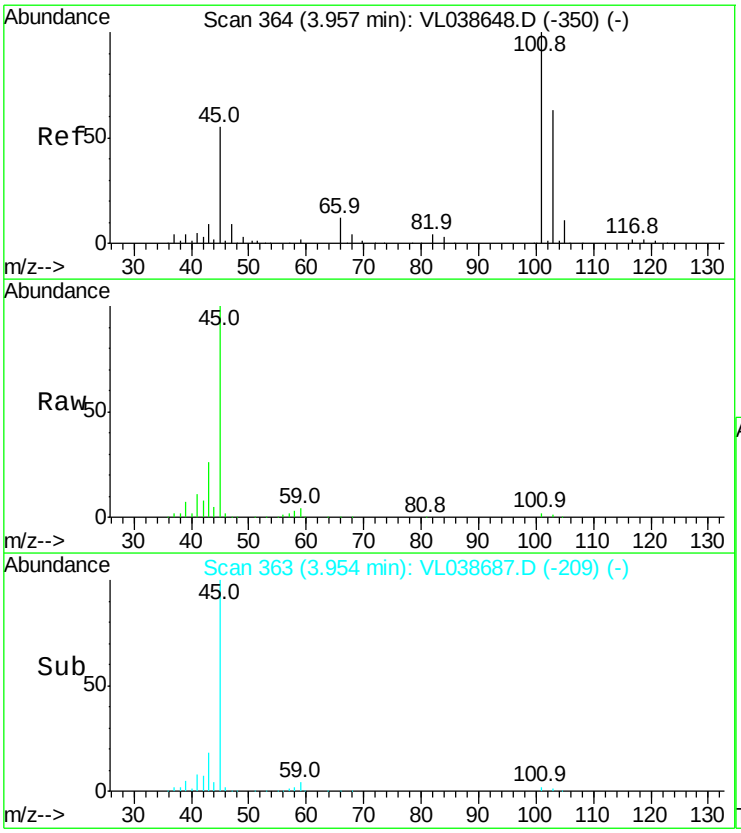
#17
tert-Butyl alcohol
Concen: 0.81 ppbv
RT: 4.28
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 59 Resp: 56034

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

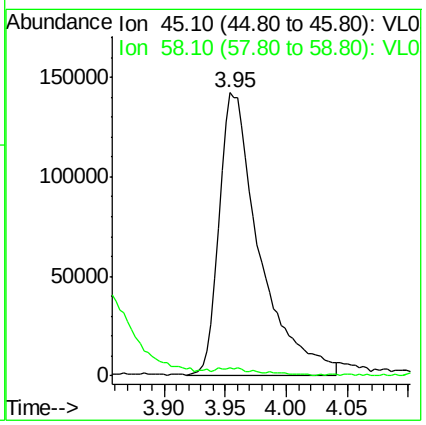


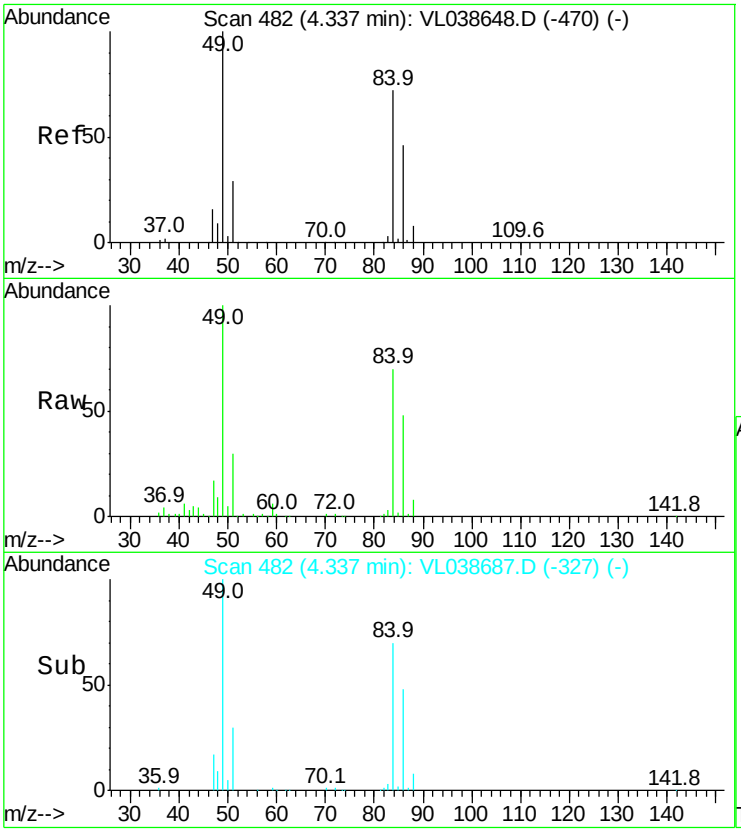


#19
Isopropyl Alcohol
Concen: 7.41 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.00 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 45 Resp: 326806

Ion	Ratio	Lower	Upper
45	100		
58	2.6	2.3	3.5



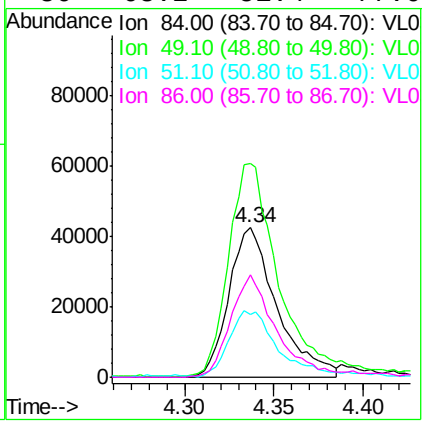


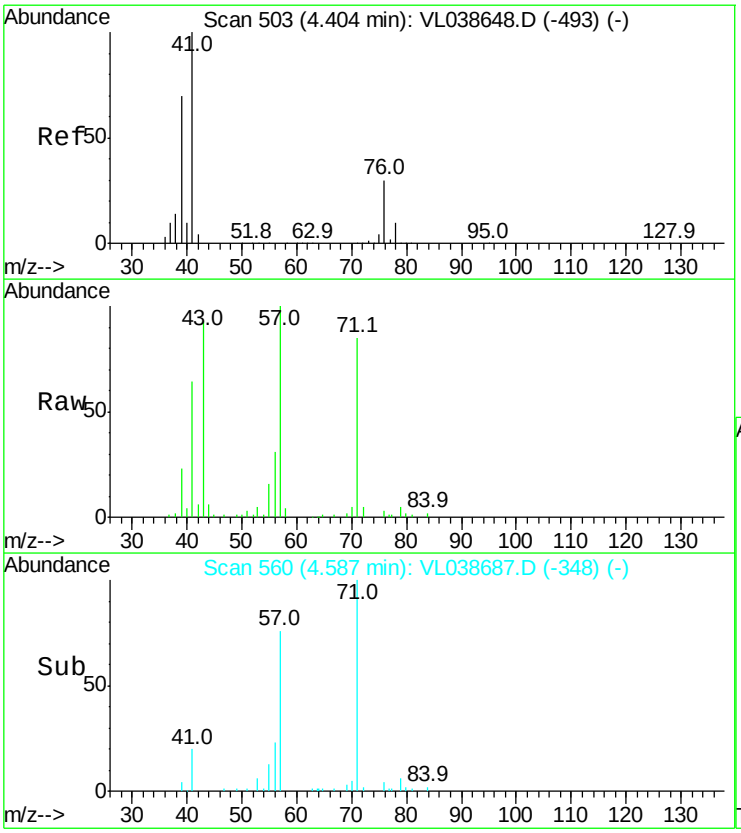
#20
Methylene Chloride
Concen: 2.37 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 84 Resp: 79458

Ion	Ratio	Lower	Upper
84	100		
49	142.4	111.2	166.8
51	41.5	32.8	49.2
86	68.2	51.4	77.0

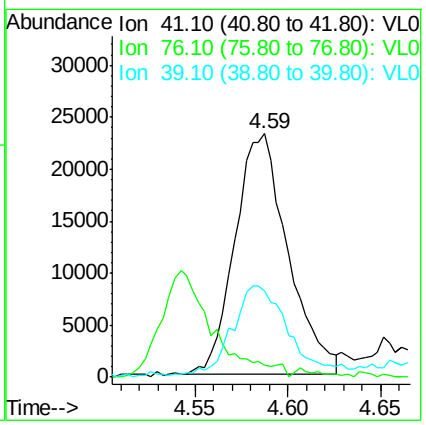


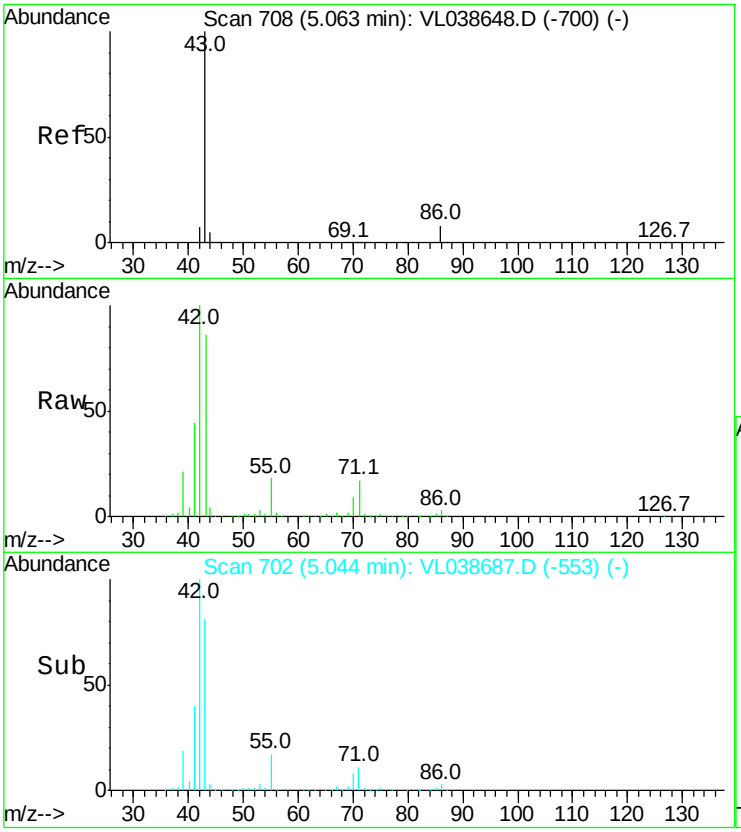


#21
Allyl Chloride
Concen: 0.81 ppbv
RT: 4.59 min Scan# 560
Delta R.T. 0.18 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 41 Resp: 46167

Ion	Ratio	Lower	Upper
41	100		
76	44.6	25.0	37.6#
39	39.2	56.6	85.0#



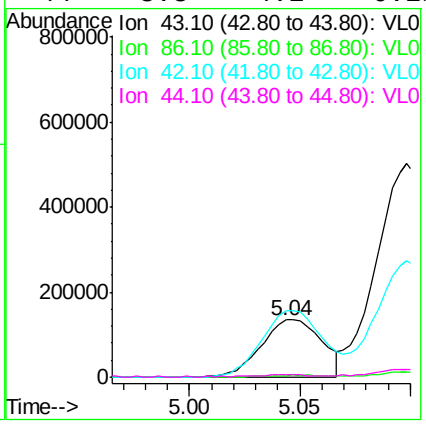


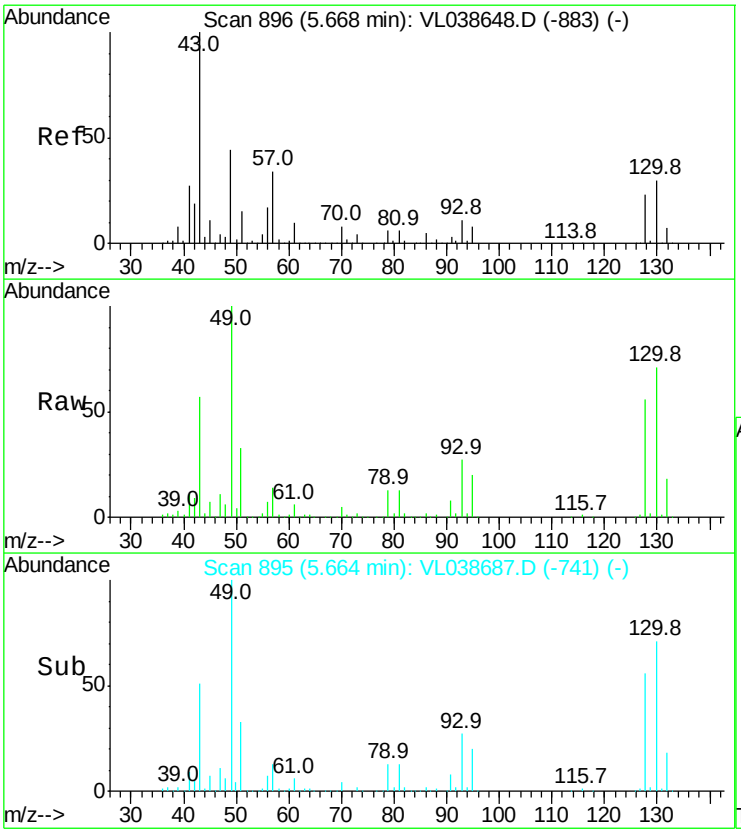
#23
Vinyl Acetate
Concen: 3.34 ppbv
RT: 5.04
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 43 Resp: 256963

Ion	Ratio	Lower	Upper
43	100		
86	3.3	5.6	8.4#
42	116.5	6.8	10.2#
44	3.3	4.2	6.2#

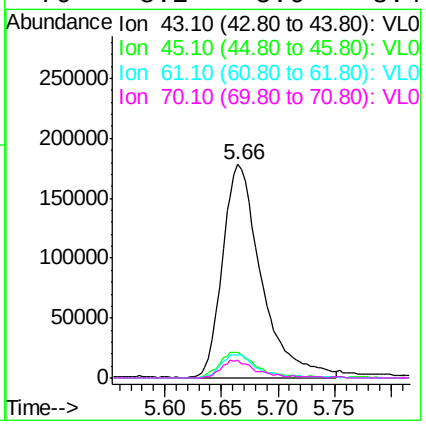


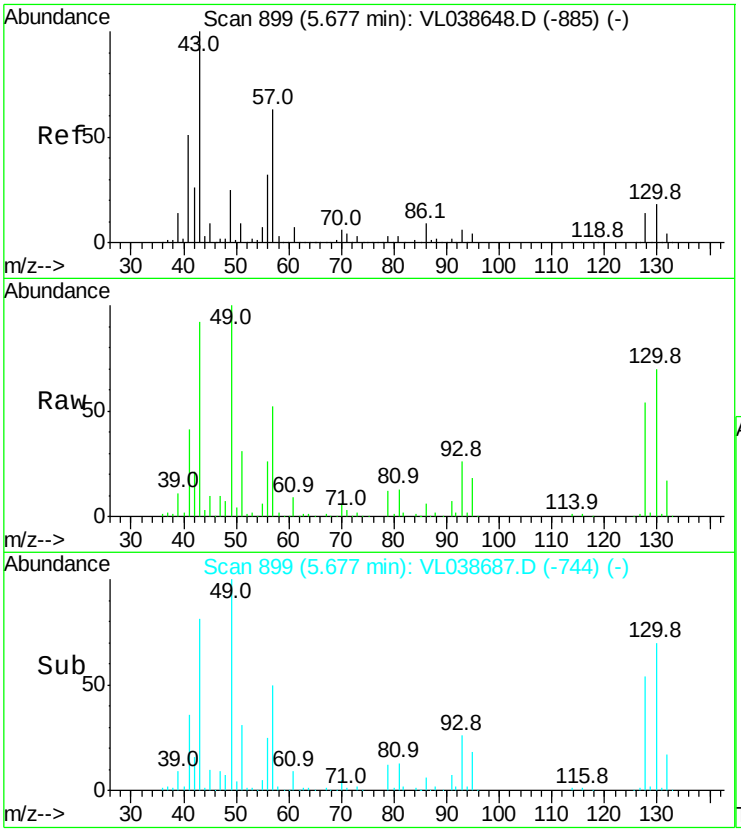


#25
Ethyl Acetate
Concen: 2.12 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 43 Resp: 424627

Ion	Ratio	Lower	Upper
43	100		
45	12.7	8.2	12.4#
61	11.0	8.3	12.5
70	8.2	5.6	8.4



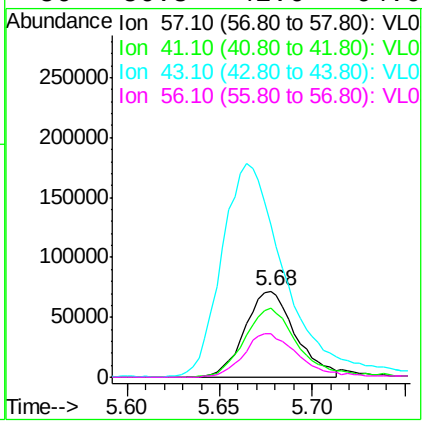


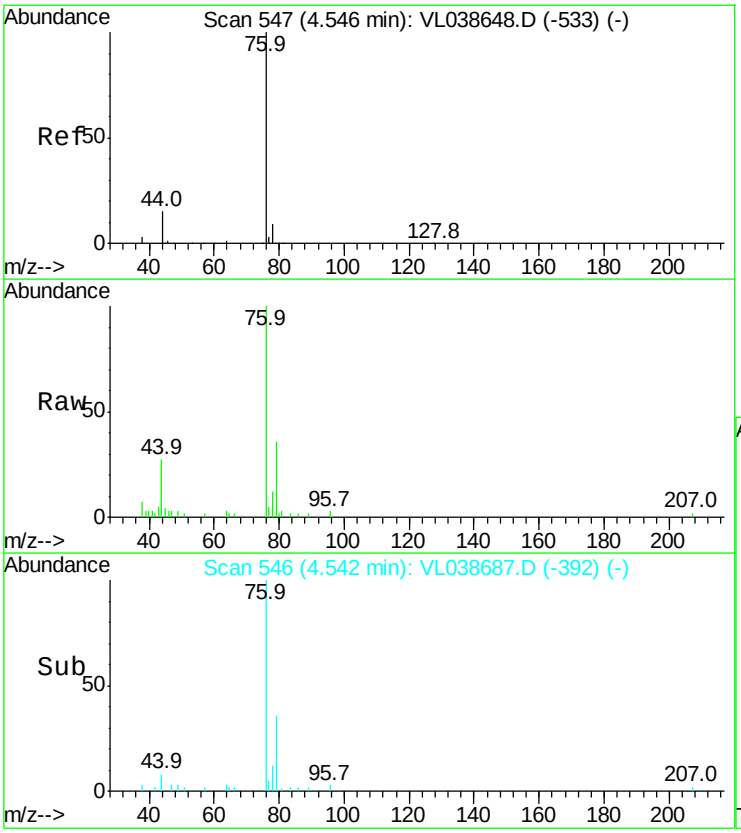
#26
Hexane
Concen: 1.52 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 57 Resp: 135781

Ion	Ratio	Lower	Upper
57	100		
41	87.5	67.0	100.4
43	320.7	184.2	276.2#
56	56.8	42.6	64.0

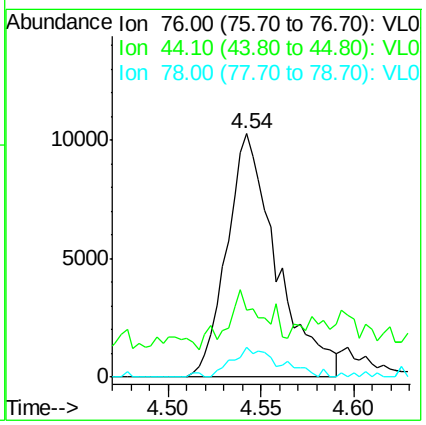


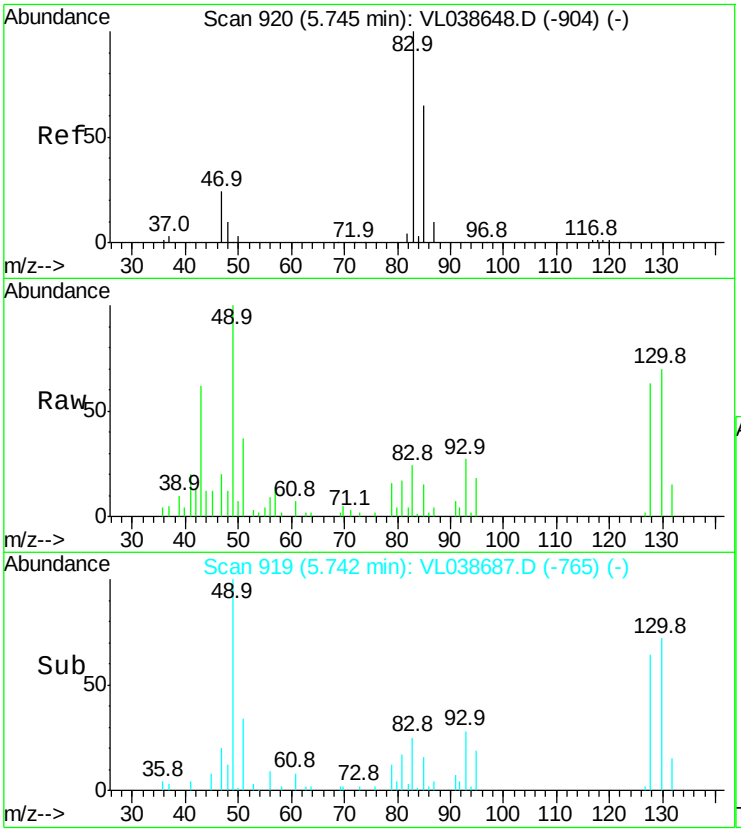


#27
Carbon Disulfide
Concen: 0.22 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.00 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 76 Resp: 19218

Ion	Ratio	Lower	Upper
76	100		
44	0.0	12.4	18.6#
78	13.1	7.8	11.8#



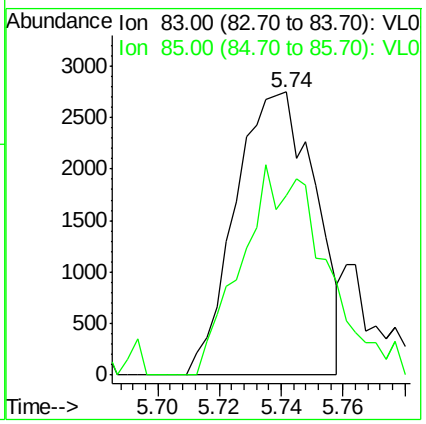


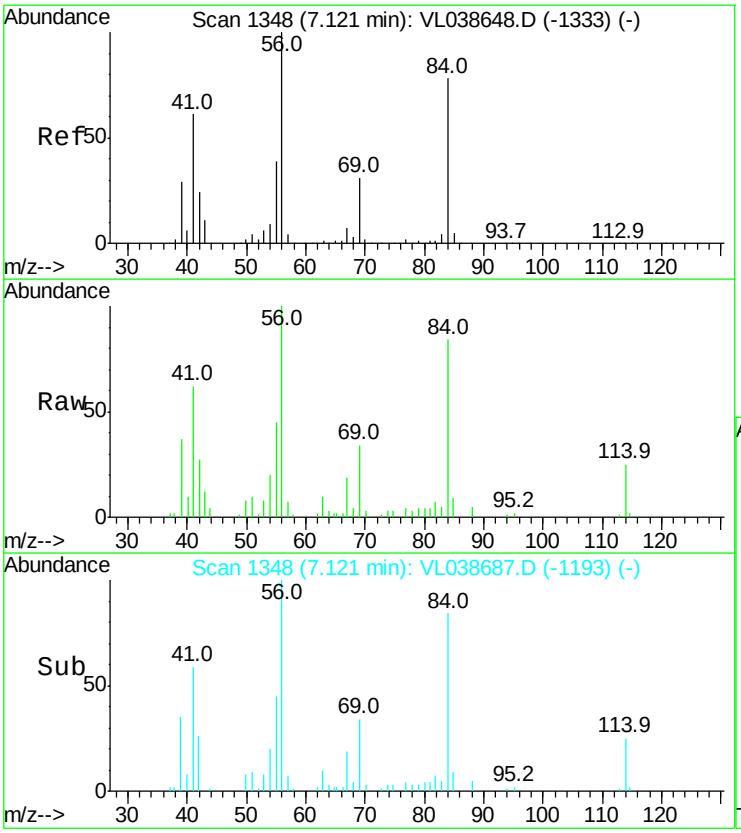
#29
Chloroform
Concen: 0.03 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 83 Resp: 4922

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.7	77.5

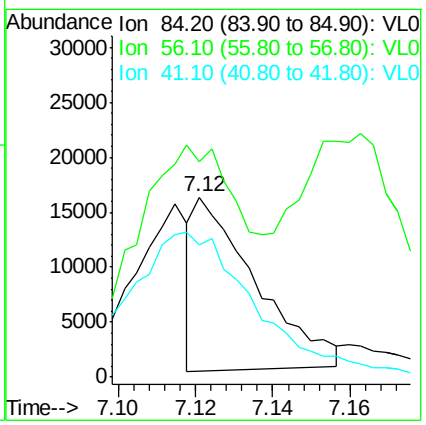


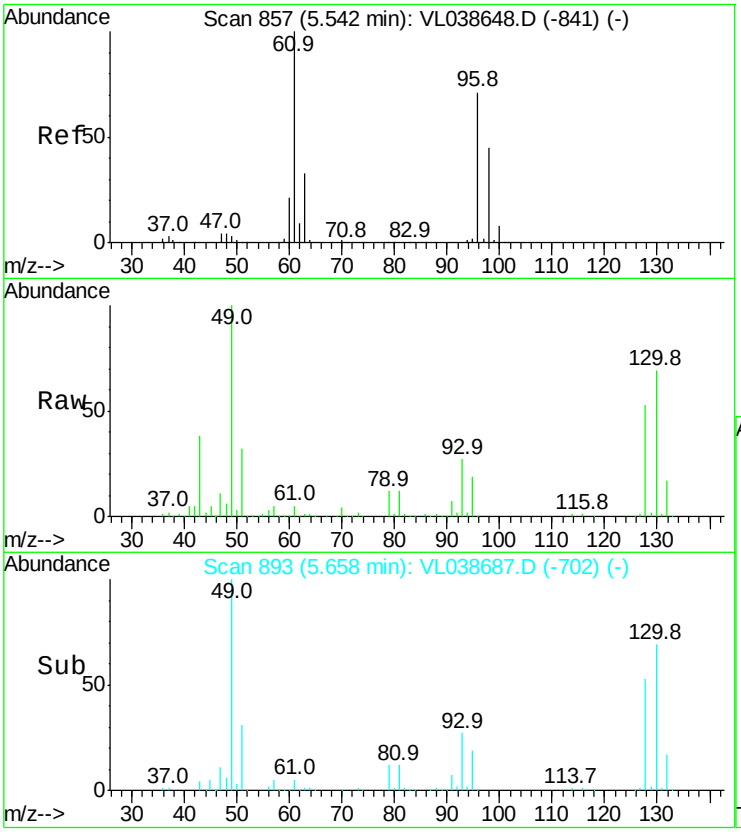


#30
Cyclohexane
Concen: 0.22 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 84 Resp: 17429

Ion	Ratio	Lower	Upper
84	100		
56	245.1	108.2	162.4#
41	181.3	61.8	92.6#



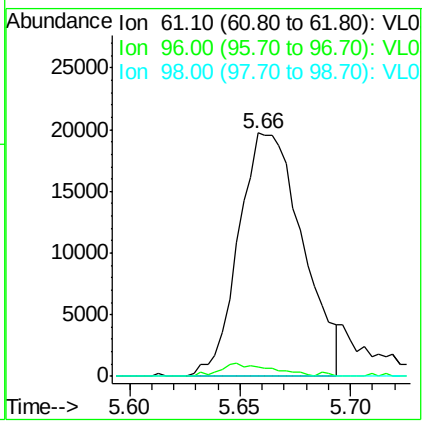


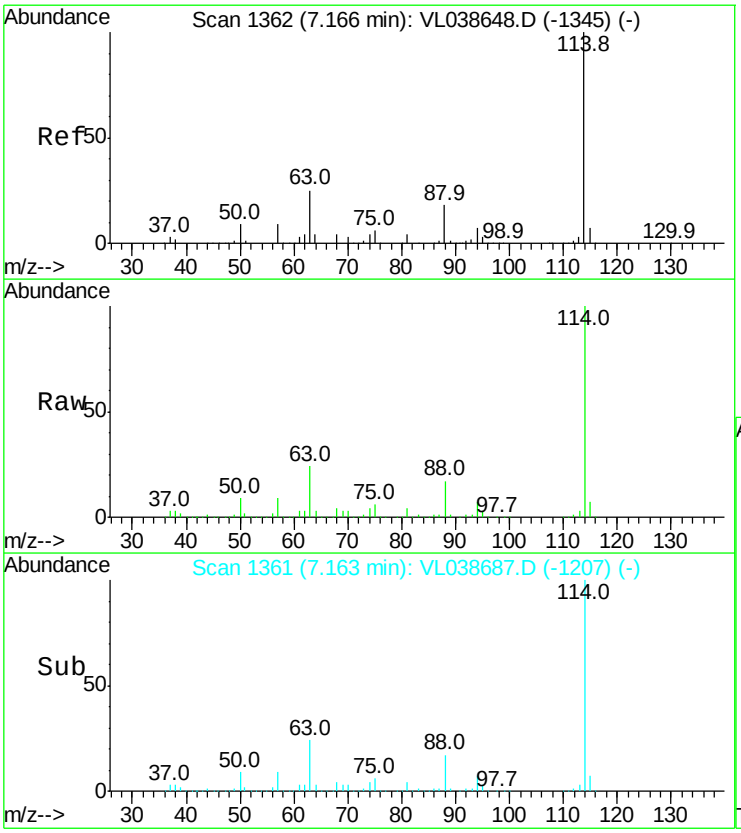
#31
cis-1,2-Dichloroethene
Concen: 0.47 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 61 Resp: 39717

Ion	Ratio	Lower	Upper
61	100		
96	4.0	56.6	84.8#
98	0.0	36.3	54.5#

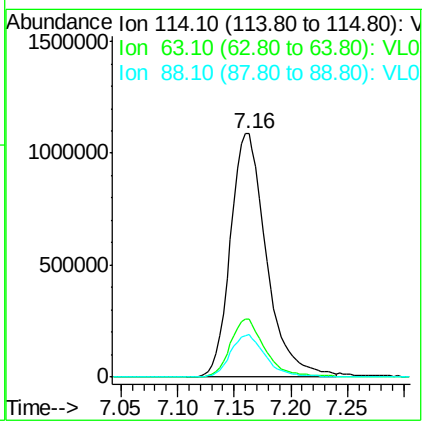


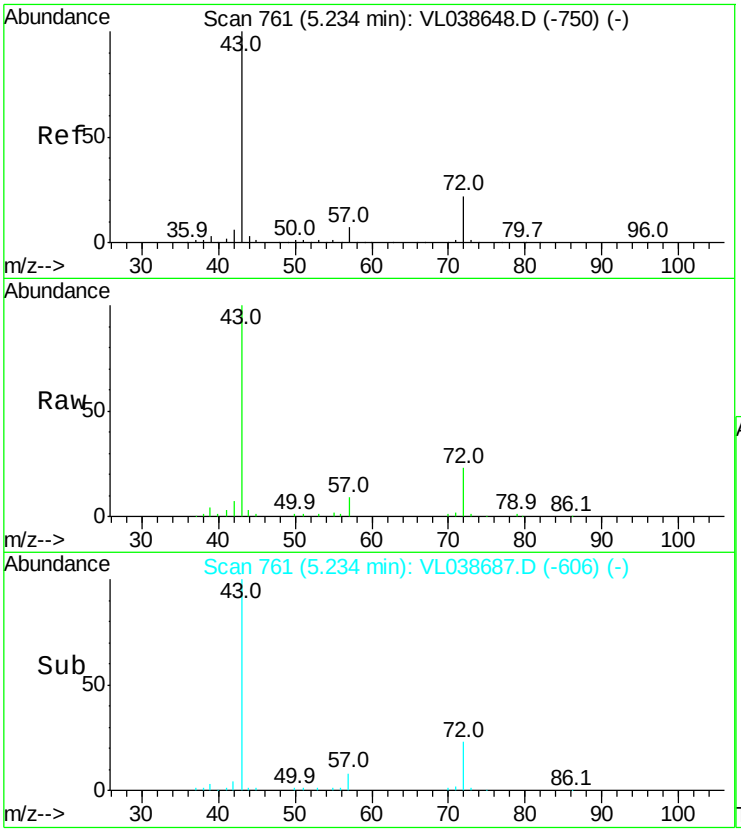


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion:114 Resp: 2413056

Ion	Ratio	Lower	Upper
114	100		
63	23.3	19.4	29.0
88	17.3	13.9	20.9



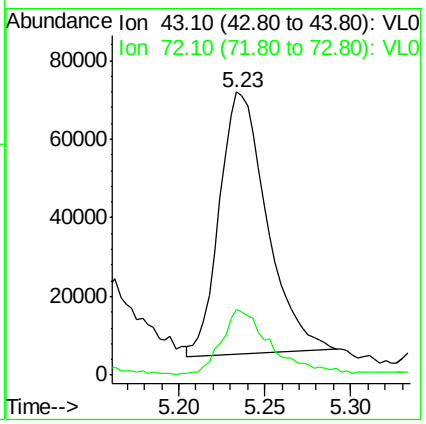


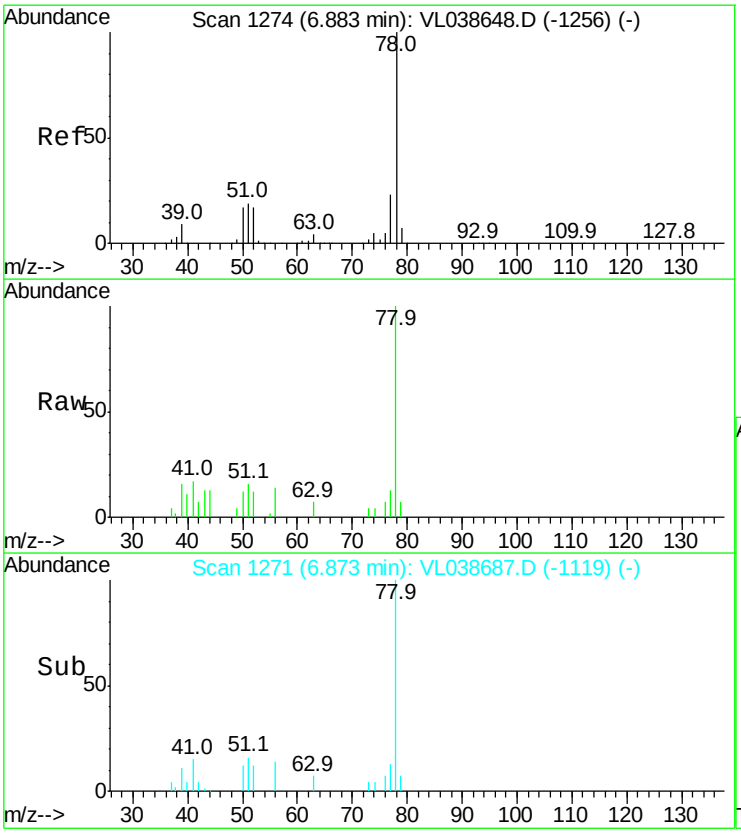
#34
2-Butanone
Concen: 1.34 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 43 Resp: 128299

Ion	Ratio	Lower	Upper
43	100		
72	27.5	17.8	26.8#

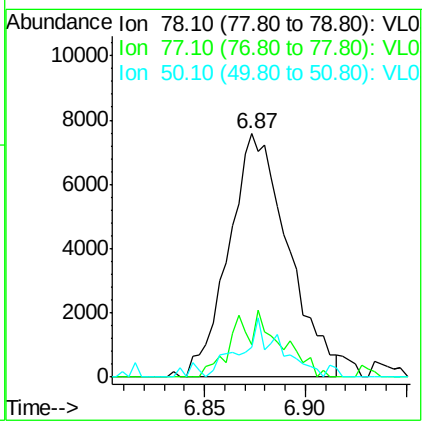


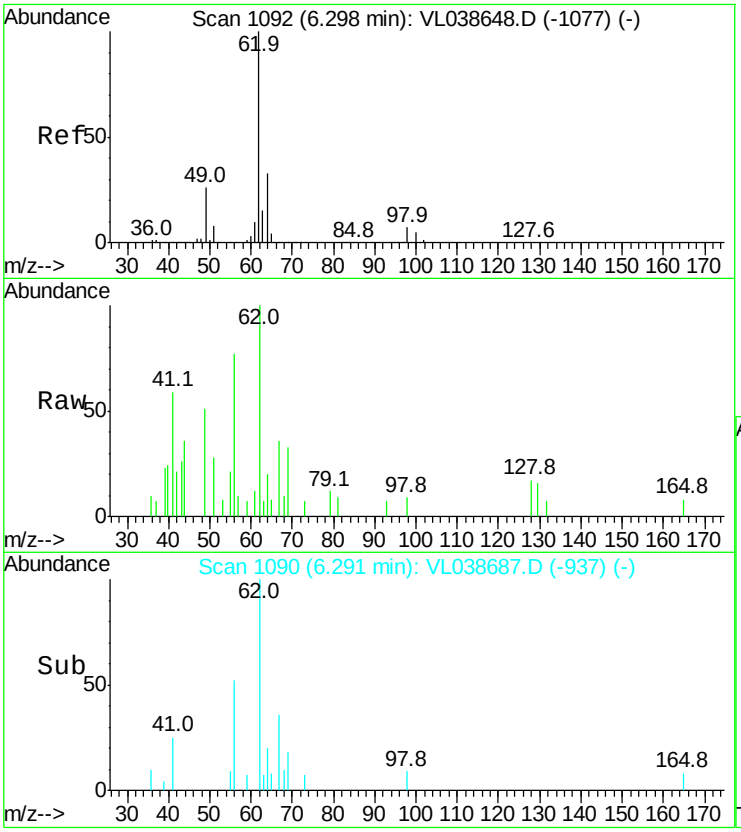


#36
Benzene
Concen: 0.08 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 78 Resp: 15524

Ion	Ratio	Lower	Upper
78	100		
77	12.5	18.1	27.1#
50	11.5	13.6	20.4#



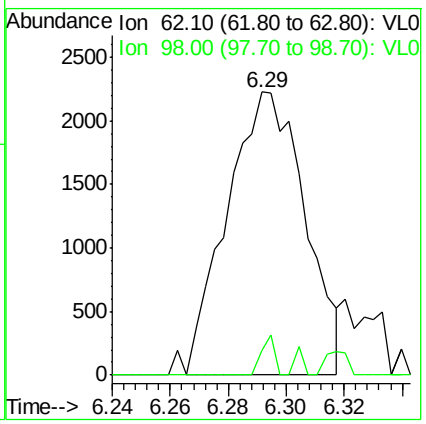


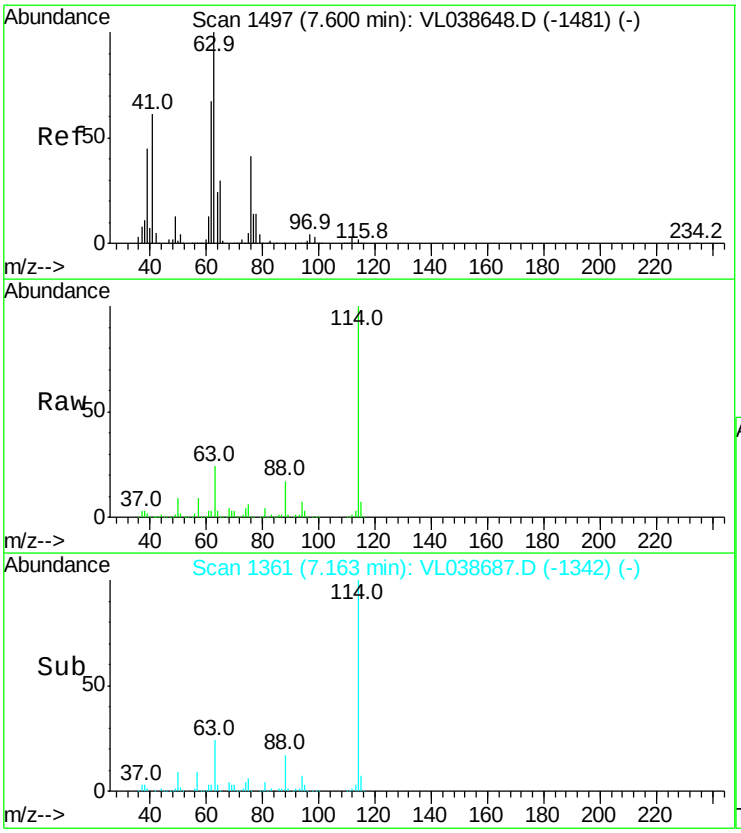
#37
1,2-Dichloroethane
Concen: 0.04 ppbv
RT: 6.29
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 62 Resp: 4158

Ion	Ratio	Lower	Upper
62	100		
98	3.5	5.6	8.4#

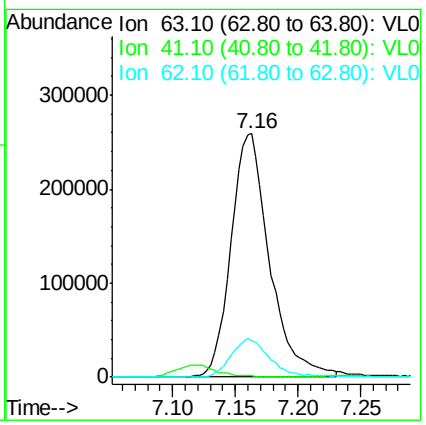


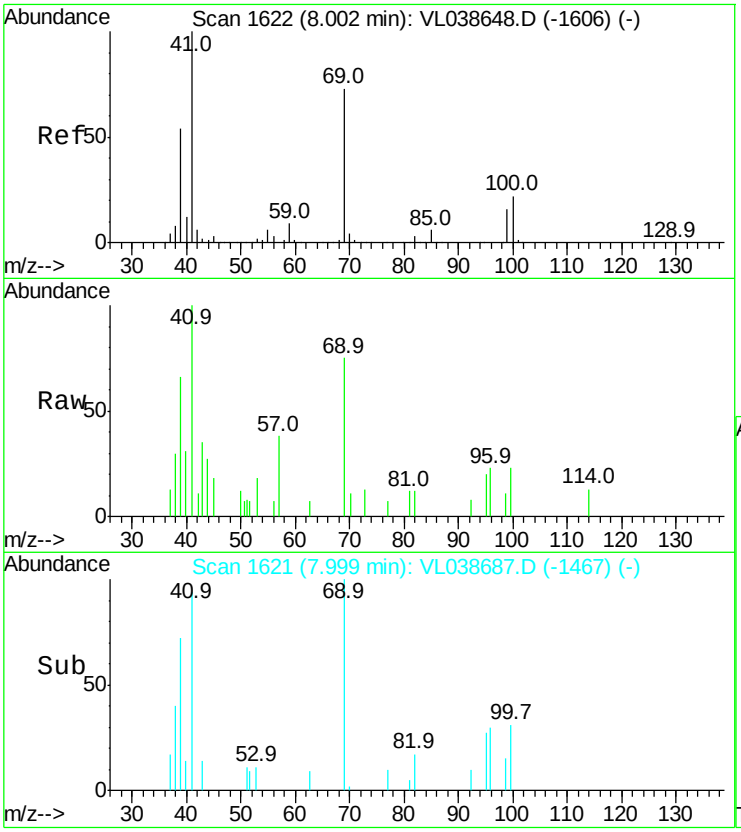


#39
1,2-Dichloropropane
Concen: 7.57 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.44 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 63 Resp: 551099

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.0	73.6#
62	14.7	53.9	80.9#



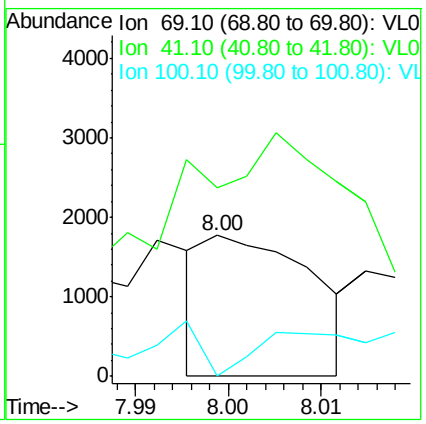


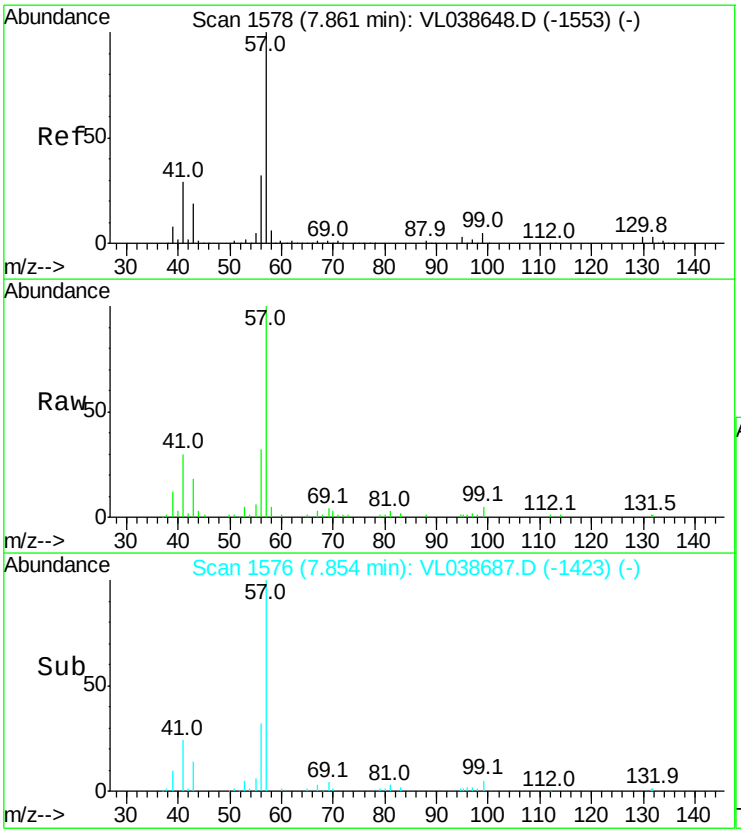
#43
Methyl Methacrylate
Concen: 0.02 ppbv
RT: 8.00
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 69 Resp: 1432

Ion	Ratio	Lower	Upper
69	100		
41	0.0	110.3	165.5#
100	81.3	24.8	37.2#

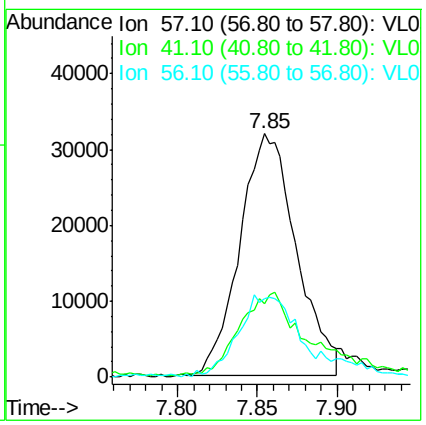


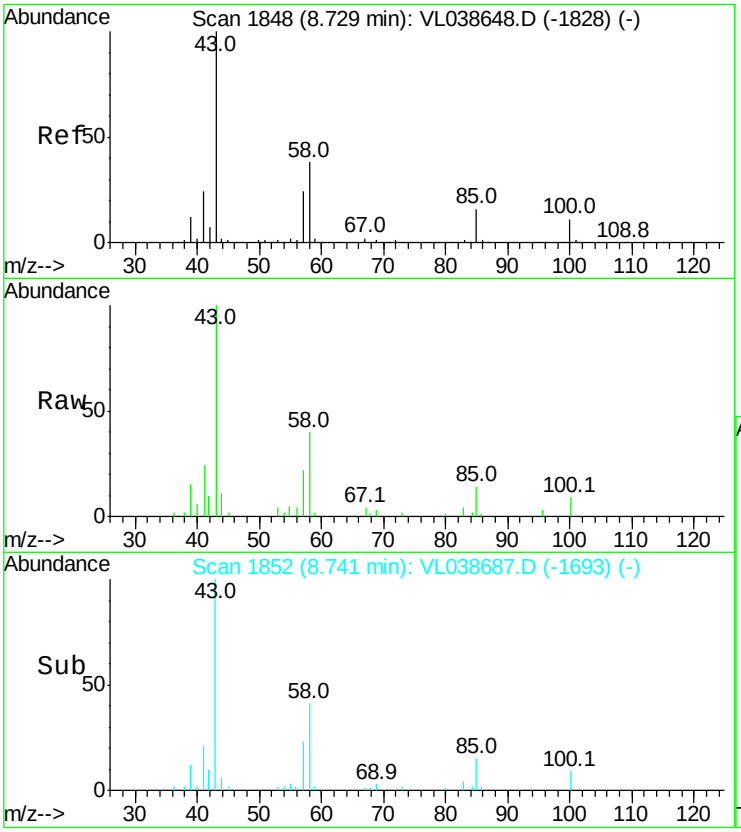


#44
2,2,4-Trimethylpentane
Concen: 0.25 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 57 Resp: 77825

Ion	Ratio	Lower	Upper
57	100		
41	44.3	23.0	34.4#
56	40.5	25.3	37.9#



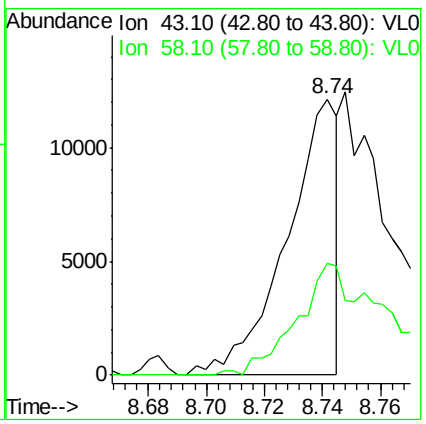


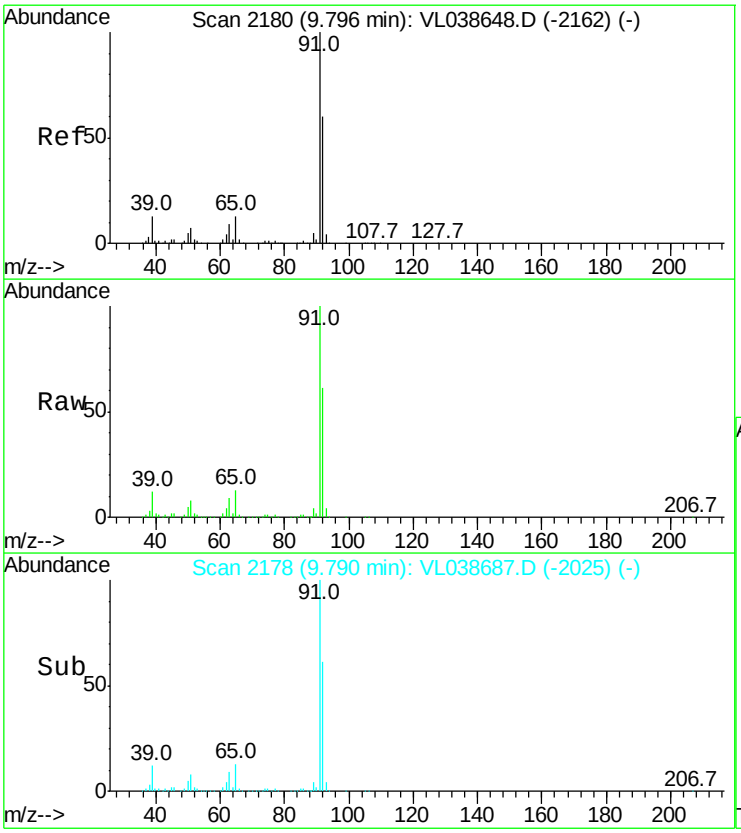
#50
4-Methyl-2-Pentanone
Concen: 0.08 ppbv
RT: 8.74
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 43 Resp: 14766

Ion	Ratio	Lower	Upper
43	100		
58	82.2	29.9	44.9#

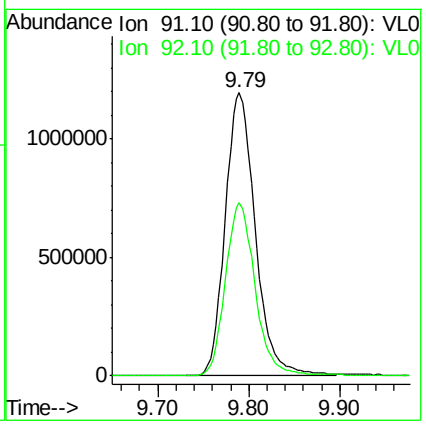


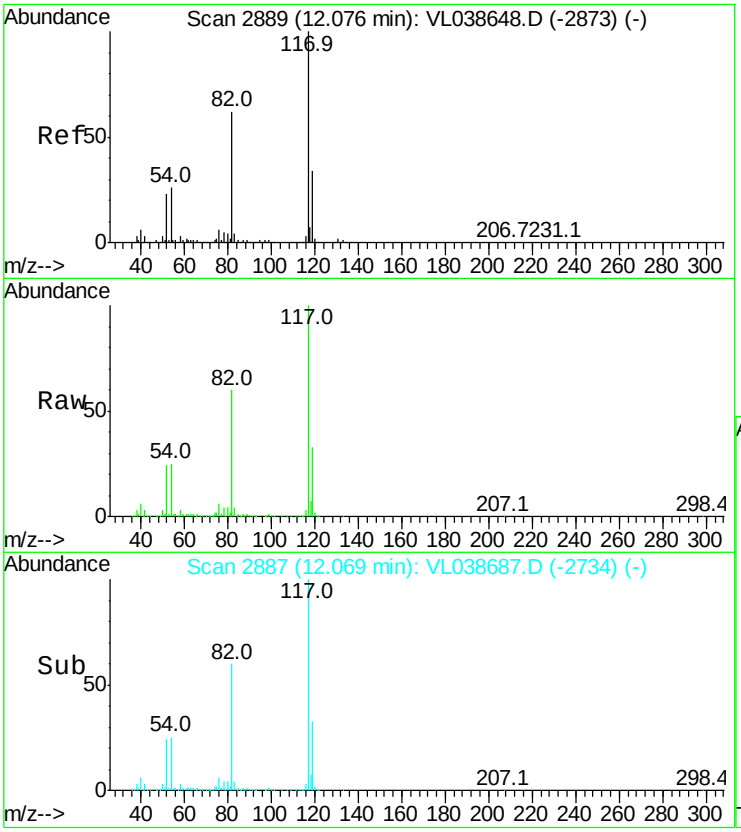


#53
Toluene
Concen: 13.76 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 91 Resp: 2753072

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.7	73.1



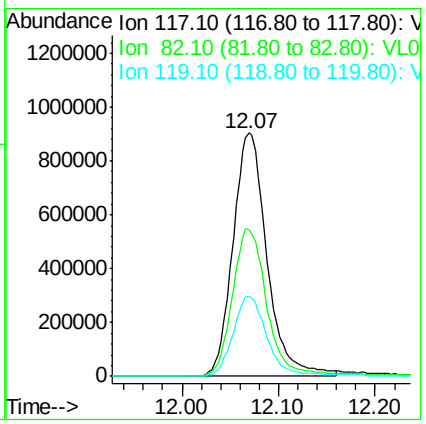


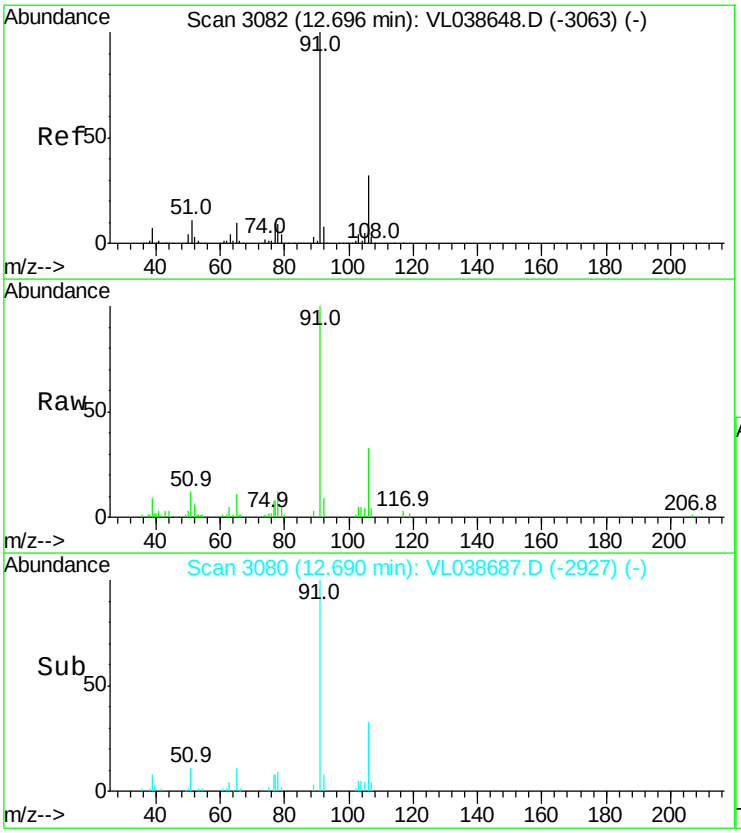
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion:117 Resp: 2209736

Ion	Ratio	Lower	Upper
117	100		
82	63.1	51.6	77.4
119	33.9	26.9	40.3

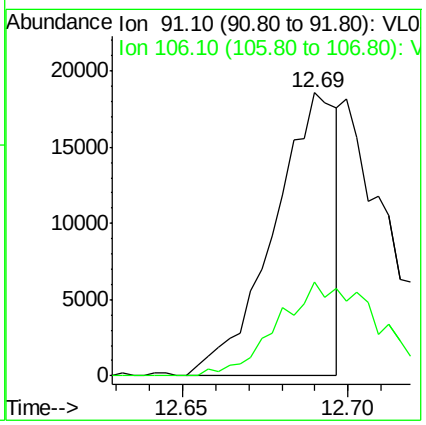


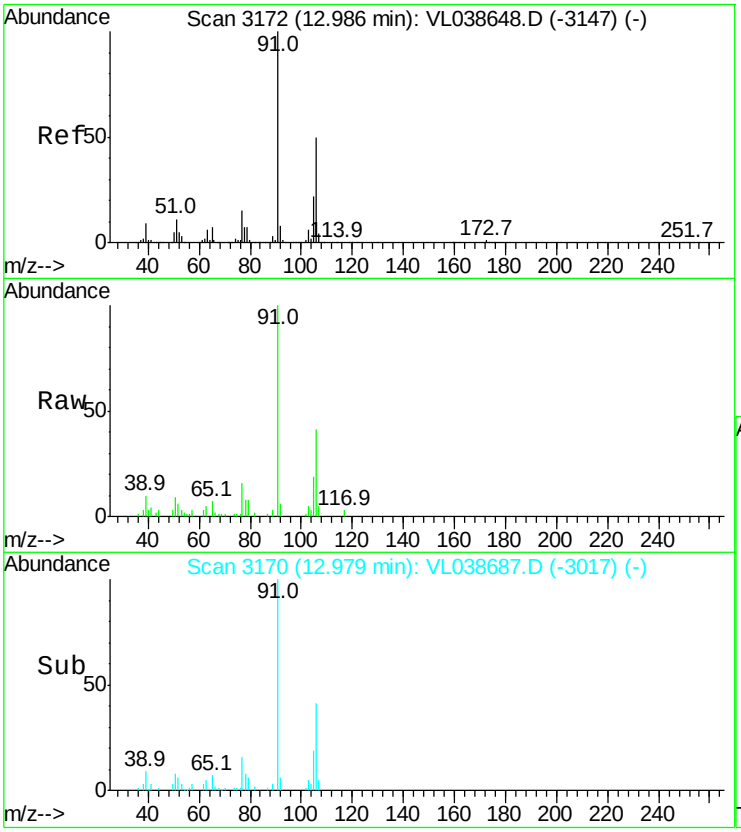


#58
Ethyl Benzene
Concen: 0.10 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 91 Resp: 24653

Ion	Ratio	Lower	Upper
91	100		
106	33.0	25.4	38.0



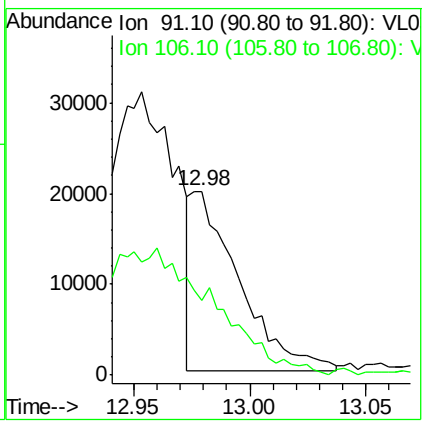


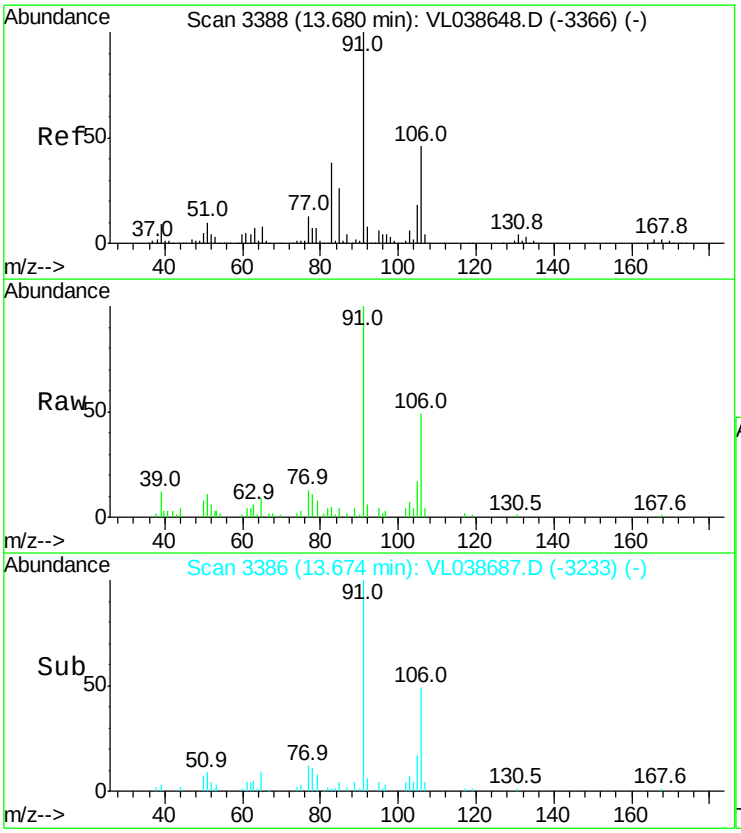
#59
m/p-Xylene
Concen: 0.12 ppbv
RT: 12.98
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 91 Resp: 28196

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8#

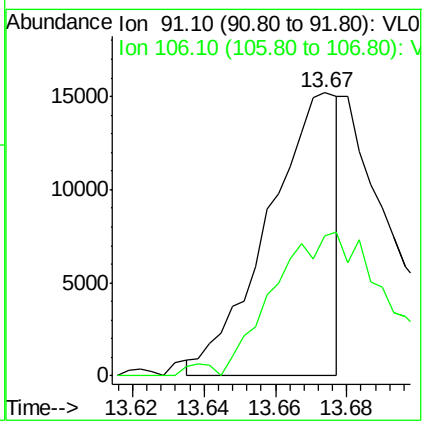


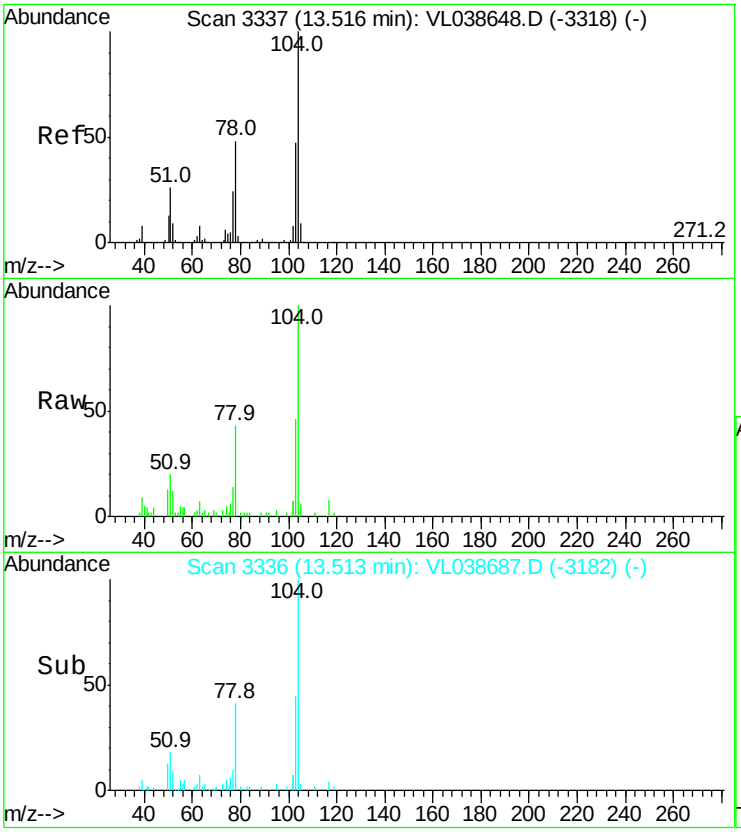


#60
o-Xylene
Concen: 0.10 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion: 91 Resp: 20589

Ion	Ratio	Lower	Upper
91	100		
106	0.0	23.5	70.5#



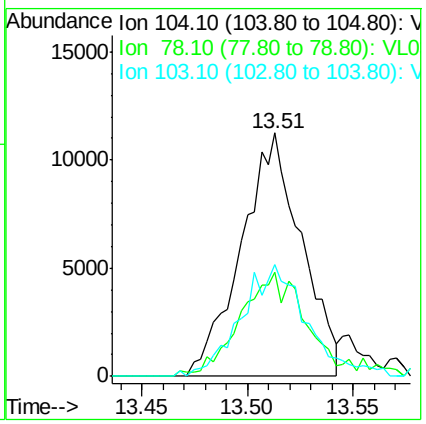


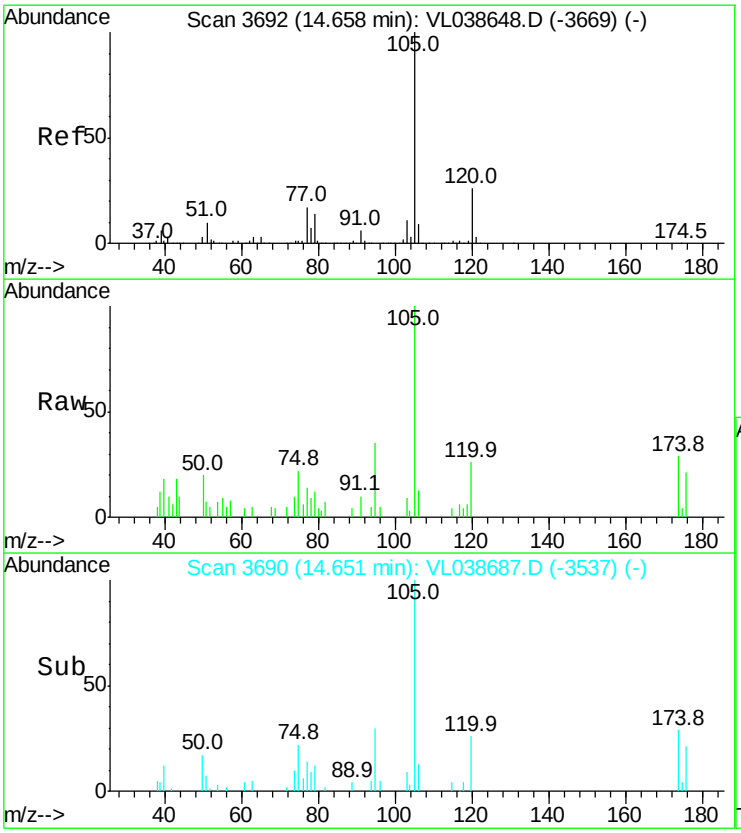
#61
Styrene
Concen: 0.19 ppbv
RT: 13.51
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion:104 Resp: 22338

Ion	Ratio	Lower	Upper
104	100		
78	50.8	39.0	58.4
103	50.8	37.8	56.8

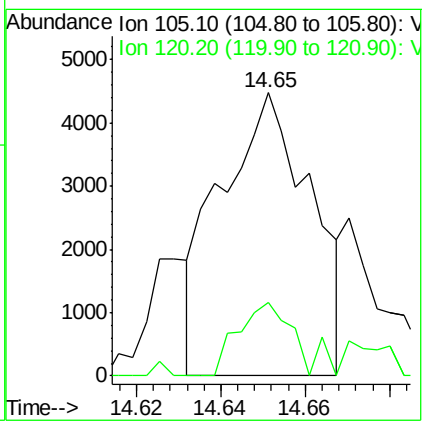


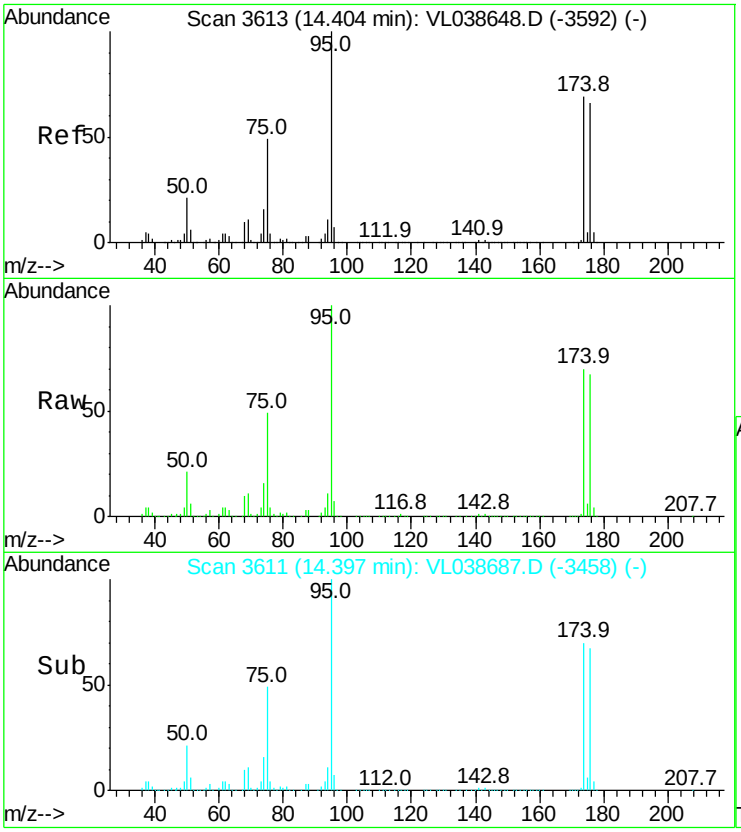


#62
Isopropylbenzene
Concen: 0.02 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion:105 Resp: 6700

Ion	Ratio	Lower	Upper
105	100		
120	23.5	21.2	31.8



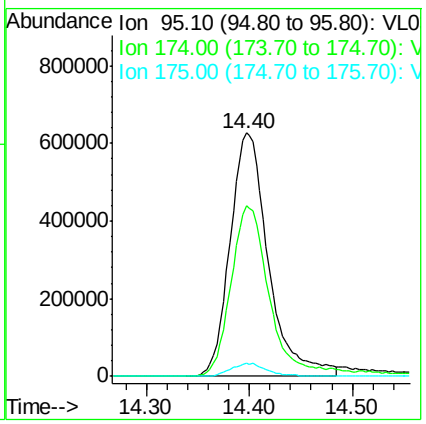


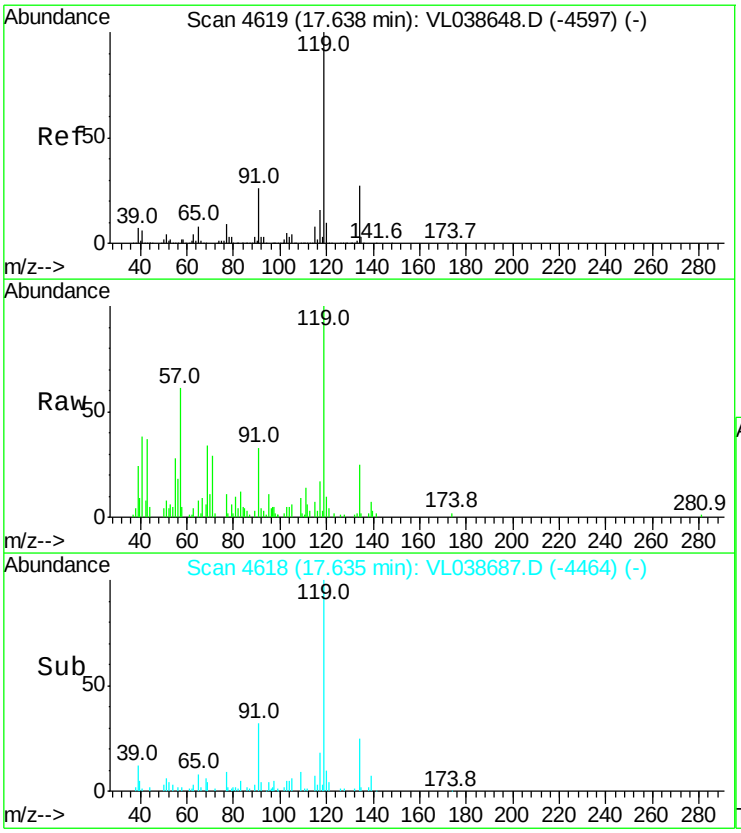
#68
1-Bromo-4-Fluorobenzene
Concen: 9.55 ppbv
RT: 14.40
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion: 95 Resp: 1618336

Ion	Ratio	Lower	Upper
95	100		
174	73.6	56.1	84.1
175	5.2	4.2	6.2

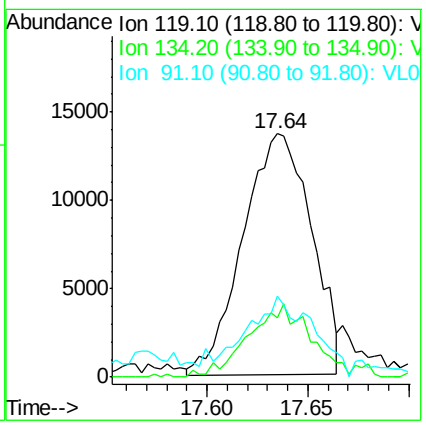


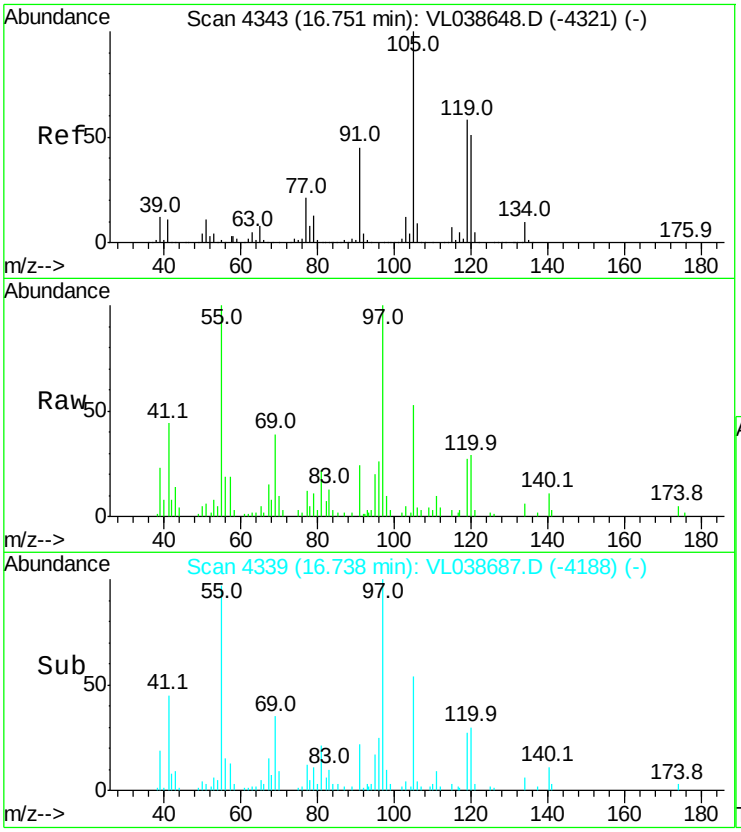


#69
p-Isopropyltoluene
Concen: 0.10 ppbv
RT: 17.64 min Scan# 4618
Delta R.T. -0.00 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion:119 Resp: 32336

Ion	Ratio	Lower	Upper
119	100		
134	29.1	21.2	31.8
91	35.1	21.4	32.2#



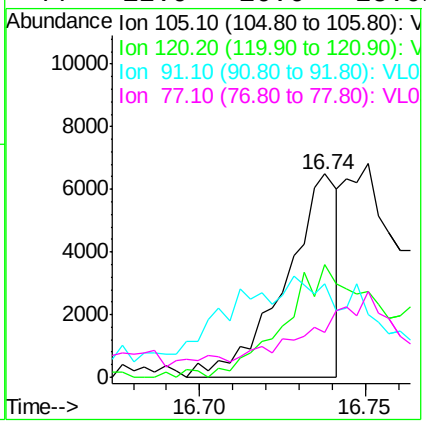


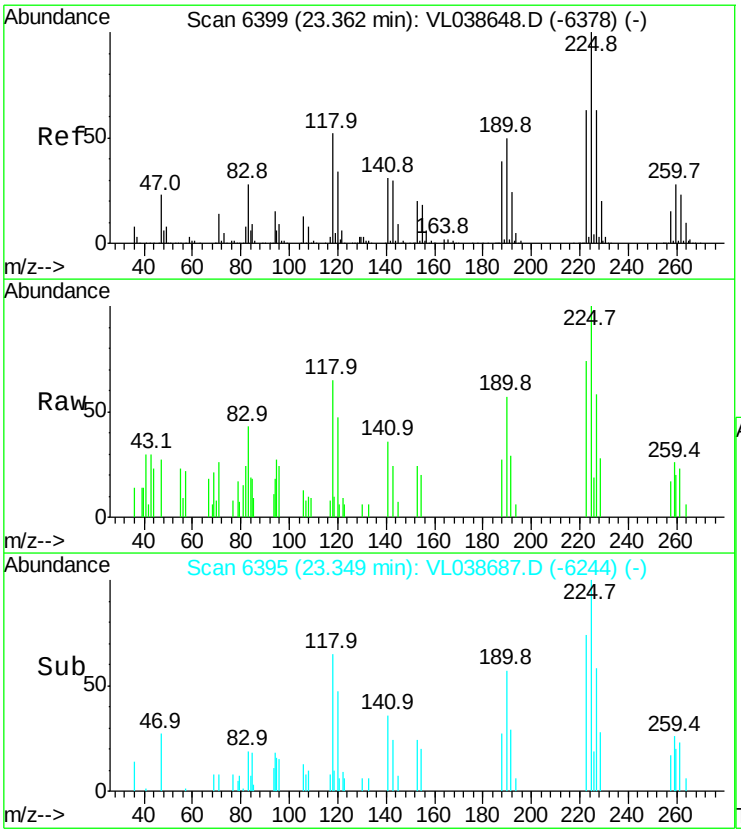
#74
1,2,4-Trimethylbenzene
Concen: 0.03 ppbv
RT: 16.74
Delta R.T
Lab File:
Acq: 22 Mar 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
C0P72DL

Tgt Ion:105 Resp: 7161

Ion	Ratio	Lower	Upper
105	100		
120	57.9	40.5	60.7
91	31.4	35.9	53.9#
77	12.9	16.6	25.0#





#78
Hexachloro-1,3-Butadiene
Concen: 0.02 ppbv
RT: 23.35 min Scan# 6395
Delta R.T. -0.01 min
Lab File: VL038687.D
Acq: 22 Mar 2022 17:02

Tgt Ion:225 Resp: 3030

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.0	76.6#
227	0.0	51.5	77.3#