Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051220\
Data File : VL035005.D
Acq On : 13 May 2020 2:45
Operator : SY/AP
Sample : L2566-03 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-5

Quant Time: May 13 06:56:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	948306	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.17	114	2221362	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.12	117	2065091	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	1693096	10.13	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	7644	0.057	ppbv		91
3) Chlorodifluoromethane	2.94	51	3889	0.036	ppbv	#	91
4) Chloromethane	3.09	50	1354	0.022	ppbv	#	52
9) Propene	2.96	41	12824	0.273	ppbv	#	78
10) Heptane	8.11	43	3730	0.032	ppbv	#	26
13) Ethanol	3.56	45	184436	11.897	ppbv		99
15) Acetone	3.82	43	197634	1.576	ppbv		99
17) tert-Butyl alcohol	4.26	59	5218	0.047	ppbv	#	71
18) 1,1-Dichloroethene	4.25	96	10154	0.237	ppbv		94
19) Isopropyl Alcohol	3.94	45	128238	1.534	ppbv	#	96
20) Methylene Chloride	4.31	84	13557	0.327	ppbv		88
22) trans-1,2-Dichloroethene	4.85	96	5059	0.119	ppbv	#	55
25) Ethyl Acetate	5.66	43	17010	0.081	ppbv	#	75
26) Hexane	5.66	57	26127	0.286	ppbv	#	63
29) Chloroform	5.73	83	78885	0.528	ppbv		83
30) Cyclohexane	7.11	84	2397	0.034	ppbv	#	1
31) cis-1,2-Dichloroethene	5.52	61	250680	2.814	ppbv		92
32) 1,1,1-Trichloroethane	6.49	97	4578	0.034	ppbv	#	13
34) 2-Butanone	5.24	43	20075	0.145	ppbv		100
36) Benzene	6.88	78	21046	0.115	ppbv	#	84
38) Trichloroethene	7.84	130	10605861	149.482	ppbv		90
39) 1,2-Dichloropropane	7.83	63	29606	0.403	ppbv	#	1
42) Bromodichloromethane	7.84	83	195914	1.286	ppbv	#	94
44) 2,2,4-Trimethylpentane	7.87	57	113738	0.349	ppbv	#	85
47) 1,1,2-Trichloroethane	9.48	97	2338	0.030	ppbv	#	47
52) Tetrachloroethene	11.32	164	28656279	440.040	ppbv		91
53) Toluene	9.81	91	123069	0.634	ppbv	#	21
56) 1,1,1,2-Tetrachloroethane	12.16	131	15216	0.163	ppbv	#	1
58) Ethyl Benzene	12.73	91	19295	0.076	ppbv		93
59) m/p-Xylene	13.03	91	19506	0.087	ppbv	#	8
60) o-Xylene	13.73	91	7738	0.035	ppbv	#	32
61) Styrene	13.56	104	31738	0.226	ppbv	#	33
62) Isopropylbenzene	14.70	105	657575	1.987	ppbv		97
72) 4-Ethyltoluene	15.87	105	5245	0.021	ppbv	#	45

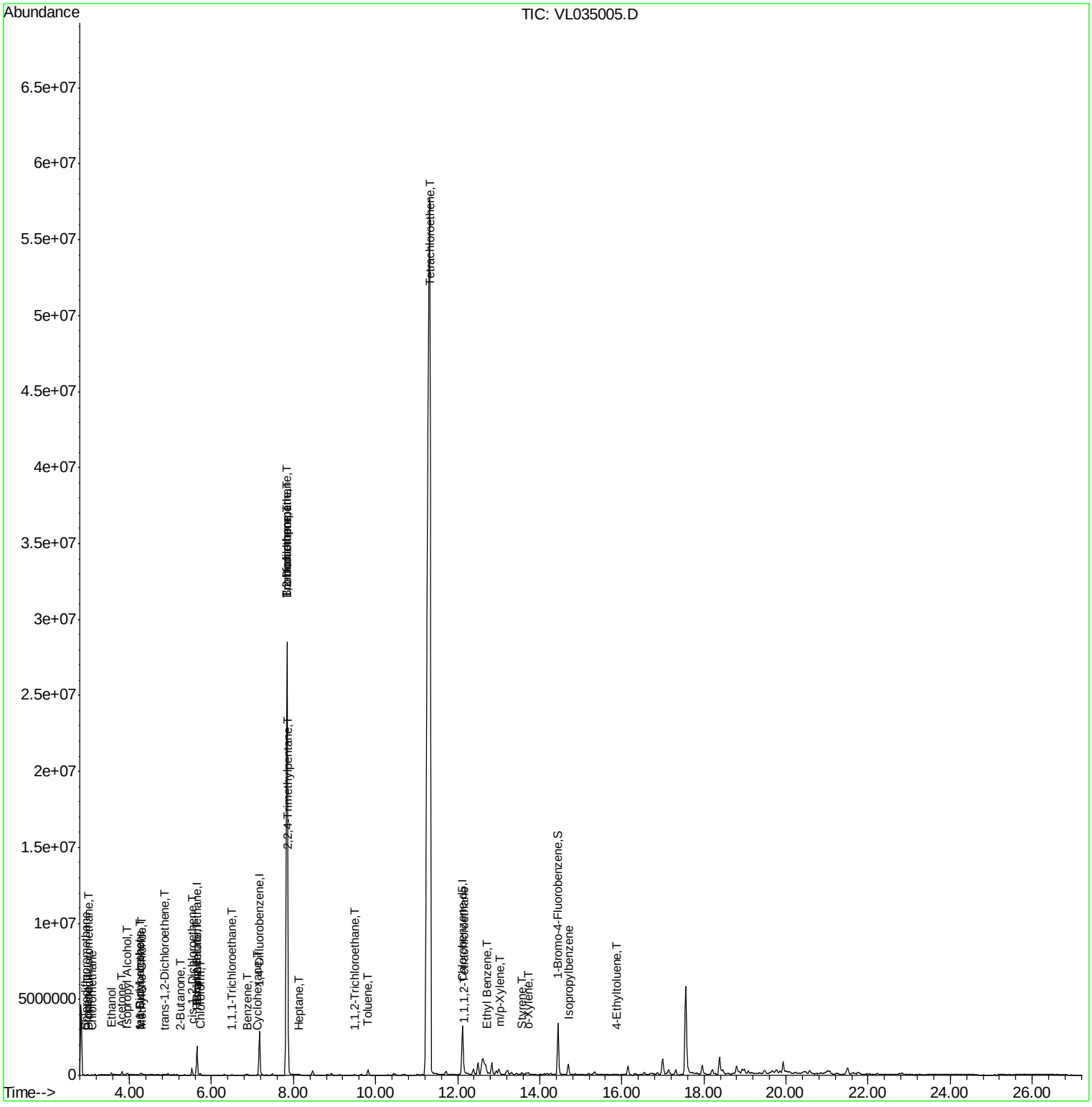
(#) = qualifier out of range (m) = manual integration (+) = signals summed

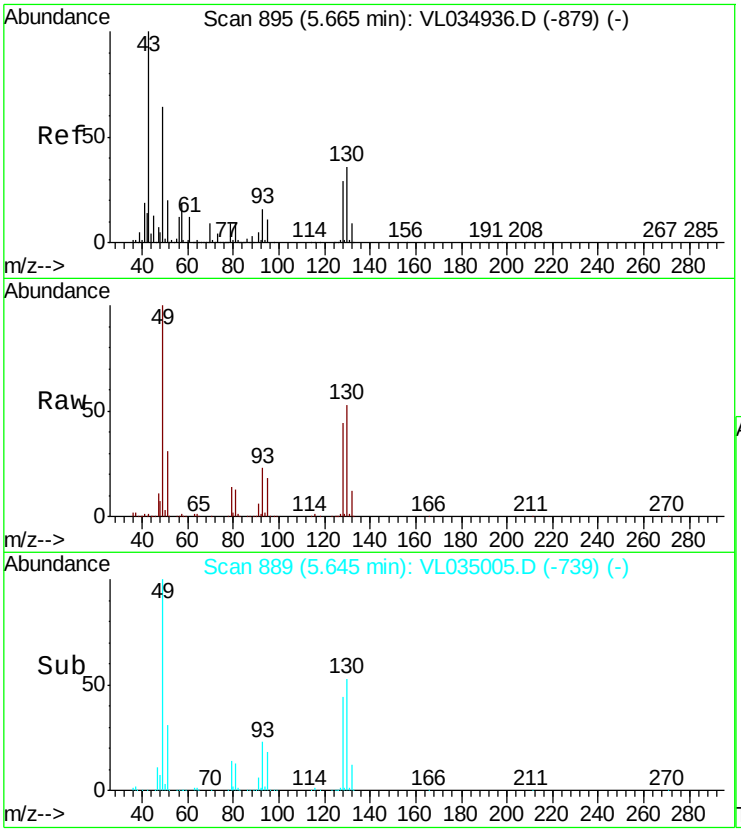
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051220\
Data File : VL035005.D
Acq On : 13 May 2020 2:45
Operator : SY/AP
Sample : L2566-03 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-5

Quant Time: May 13 06:56:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration



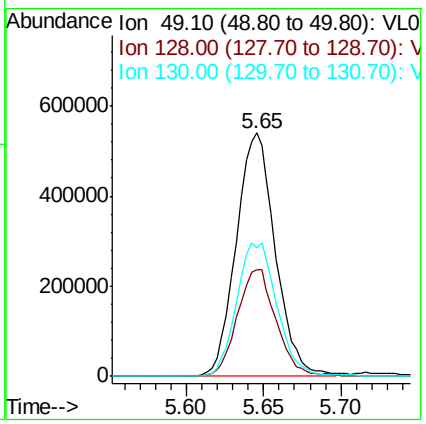


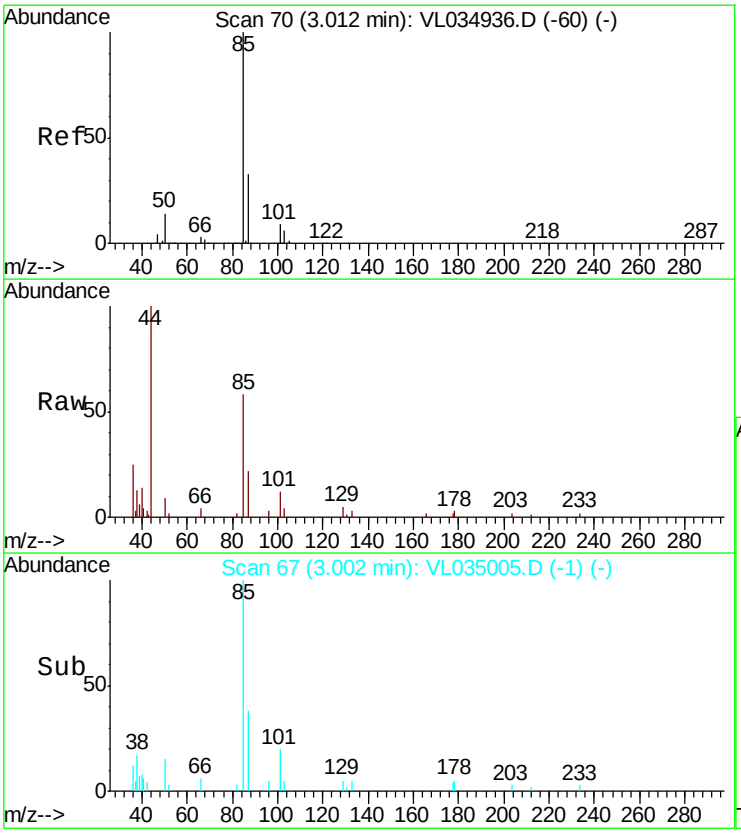
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 49 Resp: 948306

Ion	Ratio	Lower	Upper
49	100		
128	44.0	22.1	66.5
130	57.1	29.1	87.3

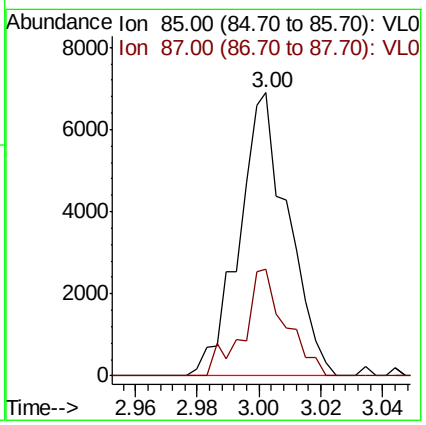


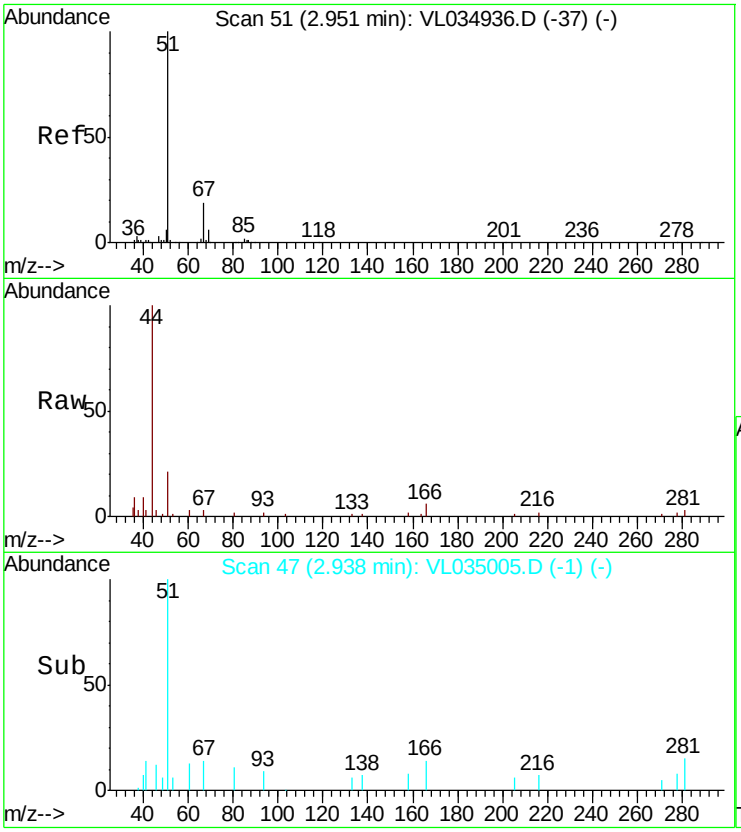


#2
Dichlorodifluoromethane
Concen: 0.057 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 85 Resp: 7644

Ion	Ratio	Lower	Upper
85	100		
87	37.9	26.2	39.2



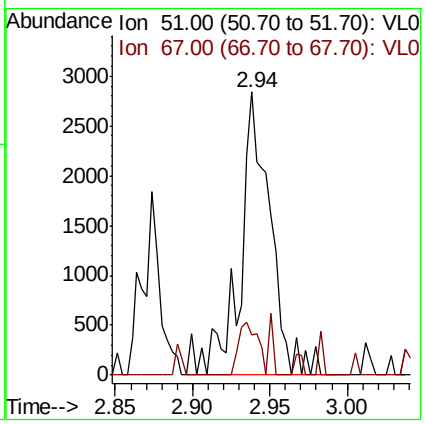


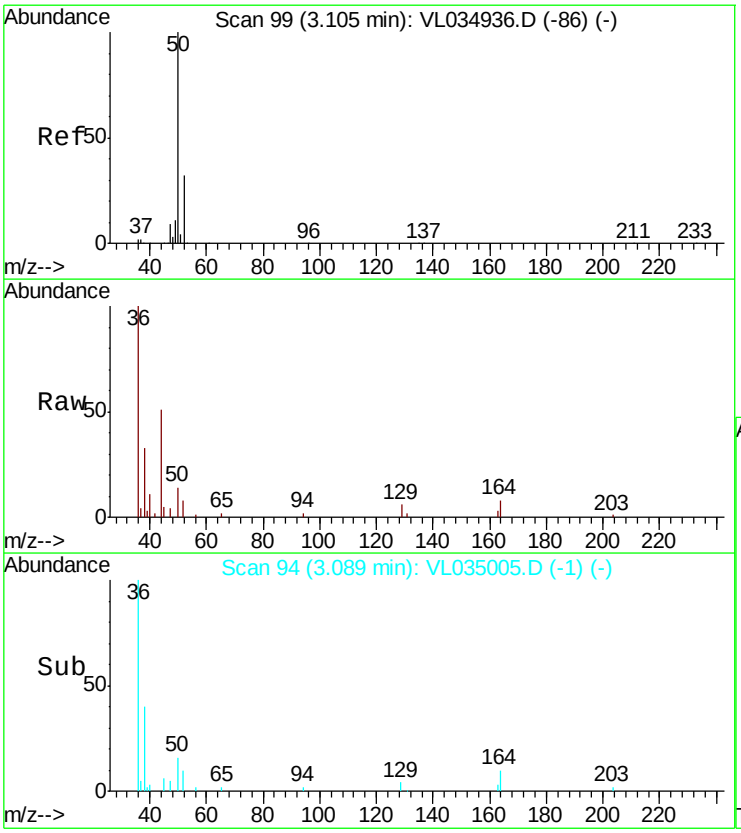
#3
Chlorodifluoromethane
Concen: 0.036 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 51 Resp: 3889

Ion	Ratio	Lower	Upper
51	100		
67	14.6	15.0	22.6#

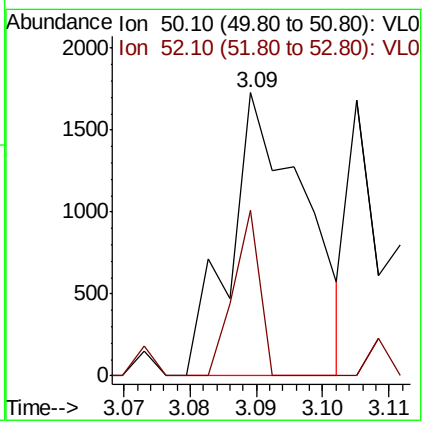


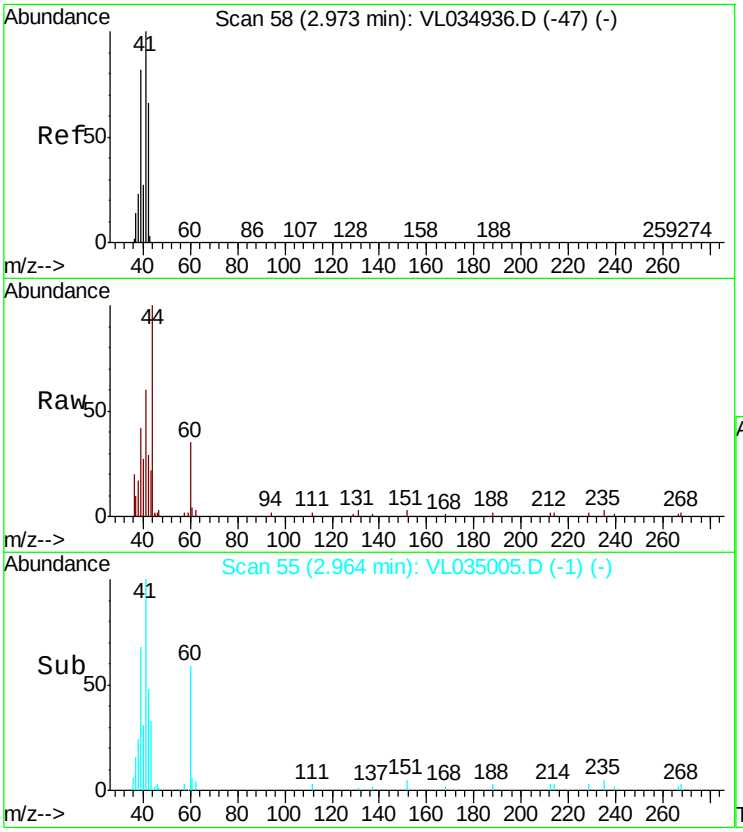


#4
Chloromethane
Concen: 0.022 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 50 Resp: 1354

Ion	Ratio	Lower	Upper
50	100		
52	58.4	25.4	38.2#



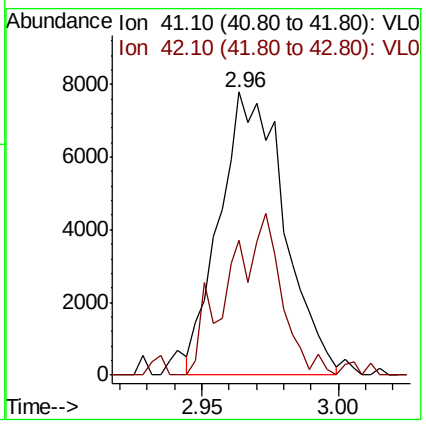


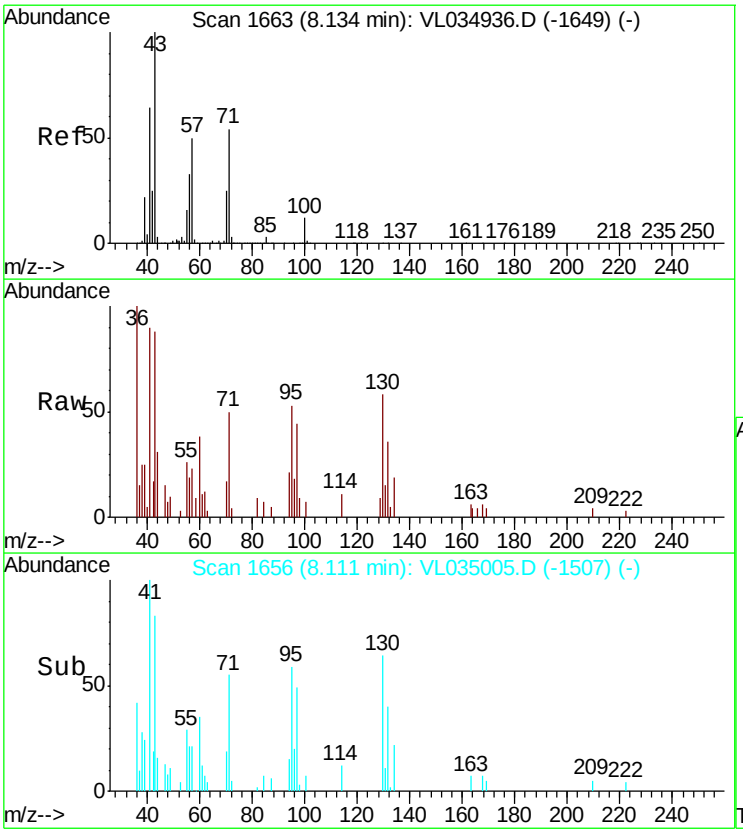
#9
Propene
Concen: 0.273 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 41 Resp: 12824

Ion	Ratio	Lower	Upper
41	100		
42	50.0	54.5	81.7#

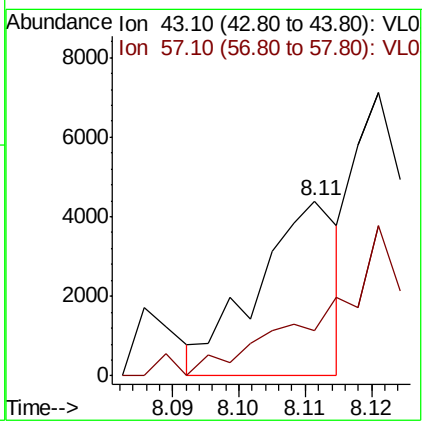


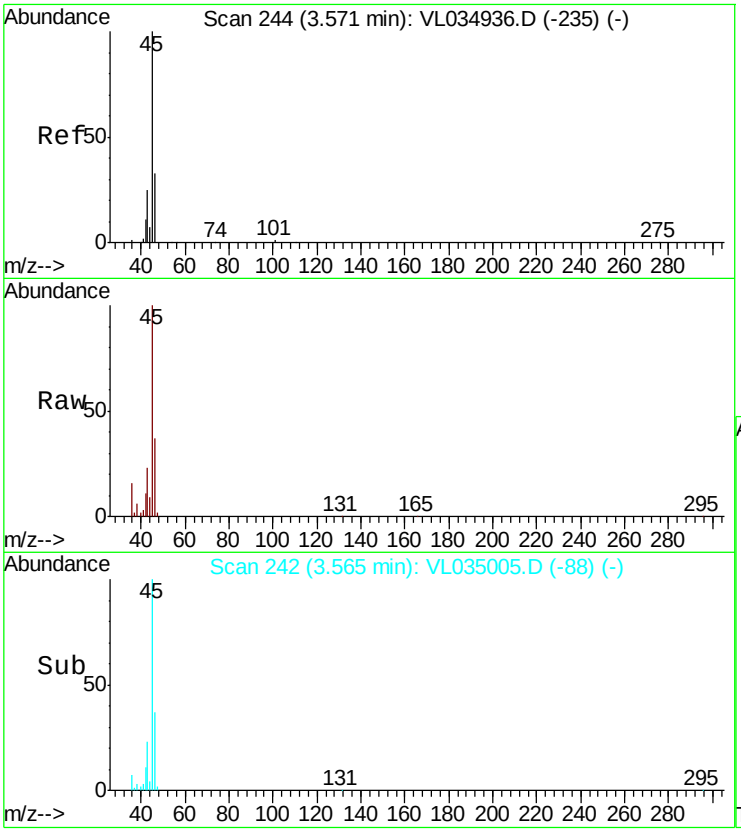


#10
Heptane
Concen: 0.032 ppbv
RT: 8.11 min Scan# 1656
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 43 Resp: 3730

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.1	61.7#



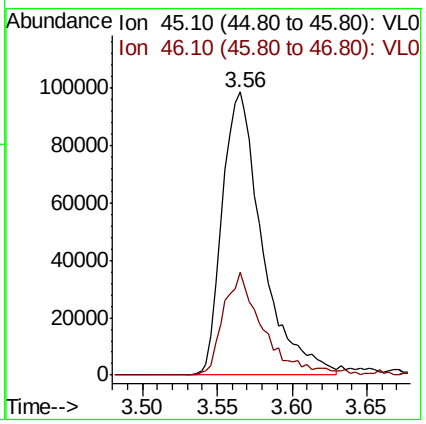


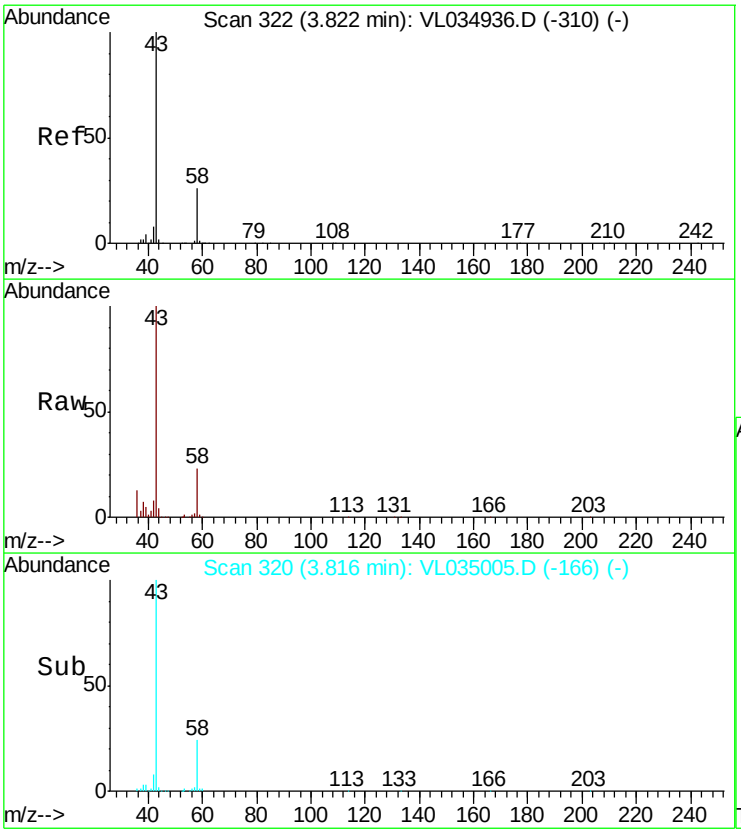
#13
Ethanol
Concen: 11.897 ppbv
RT: 3.56 min Scan# 242
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 45 Resp: 184436

Ion	Ratio	Lower	Upper
45	100		
46	36.3	14.3	57.3

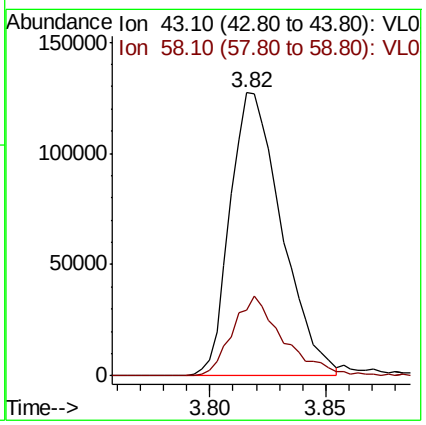


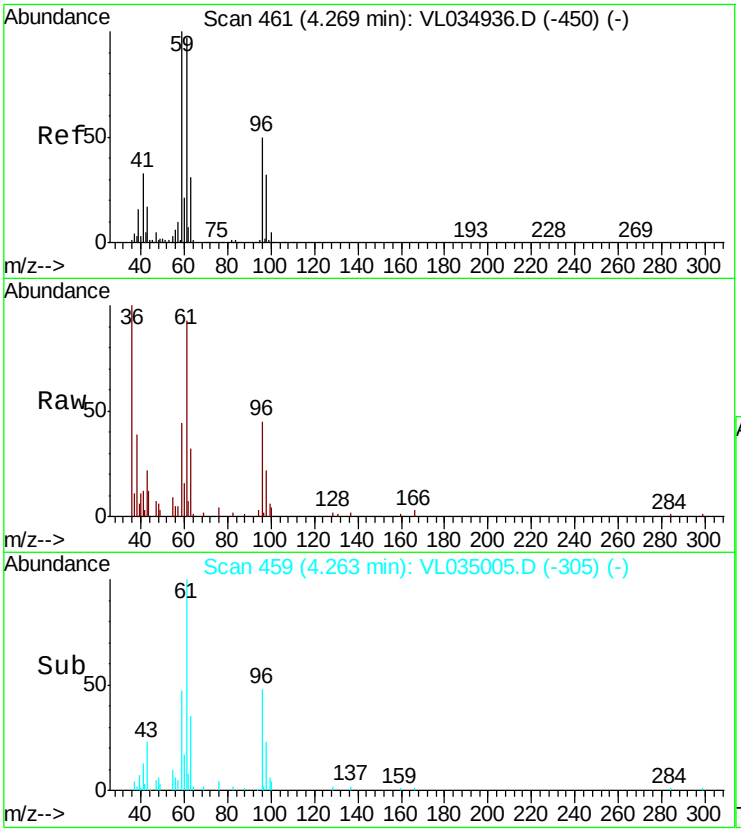


#15
Acetone
Concen: 1.576 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 43 Resp: 197634

Ion	Ratio	Lower	Upper
43	100		
58	27.8	21.7	32.5



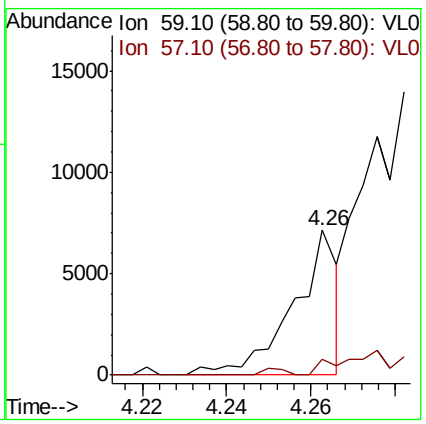


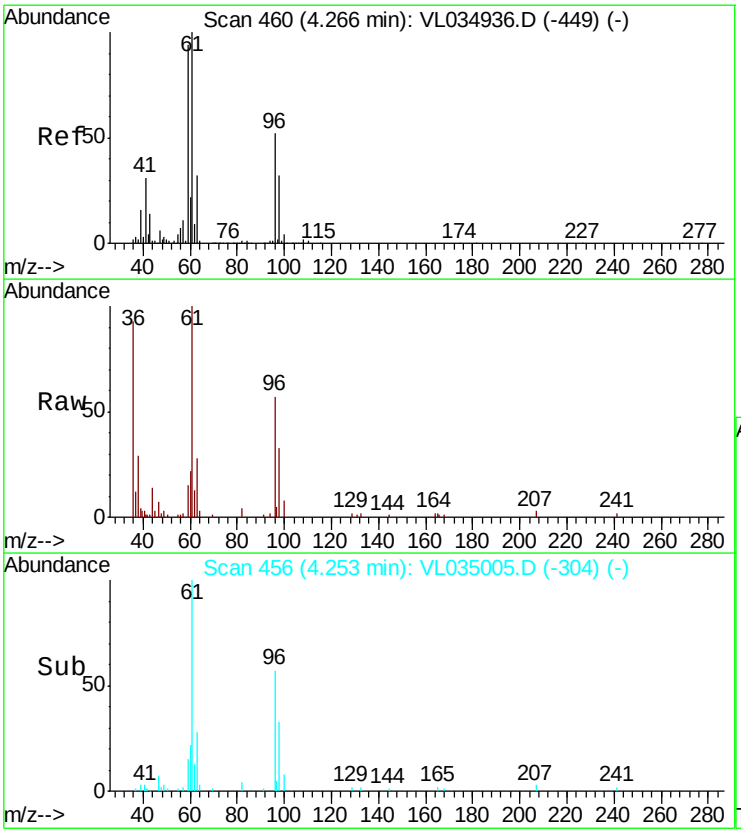
#17
tert-Butyl alcohol
Concen: 0.047 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument : MSVOA_L
ClientSampleId : SG-5

Tgt Ion: 59 Resp: 5218

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

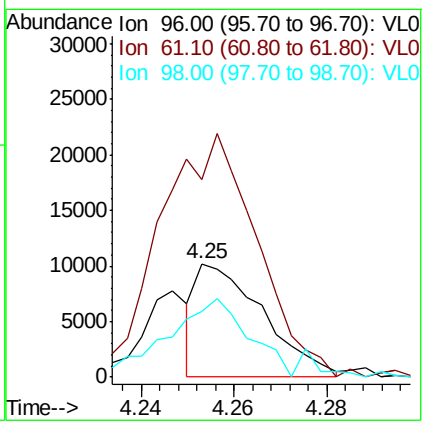


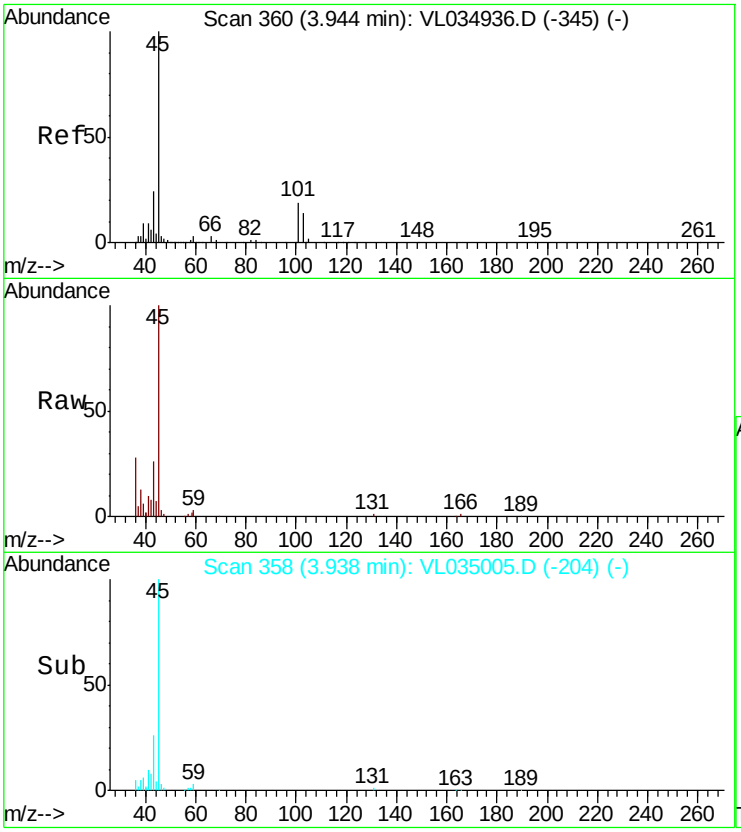


#18
1,1-Dichloroethene
Concen: 0.237 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 96 Resp: 10154

Ion	Ratio	Lower	Upper
96	100		
61	182.8	152.4	228.6
98	54.9	48.8	73.2



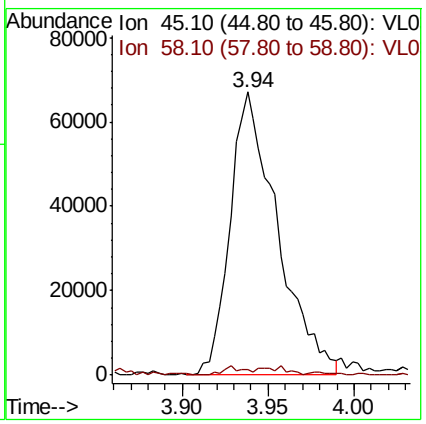


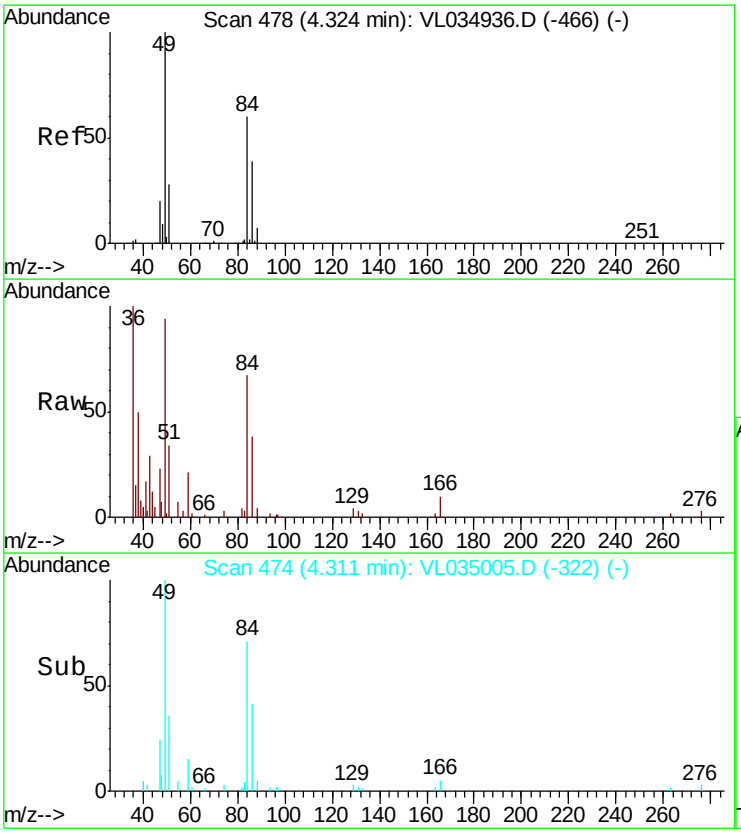
#19
Isopropyl Alcohol
Concen: 1.534 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 45 Resp: 128238

Ion	Ratio	Lower	Upper
45	100		
58	3.4	1.7	2.5#

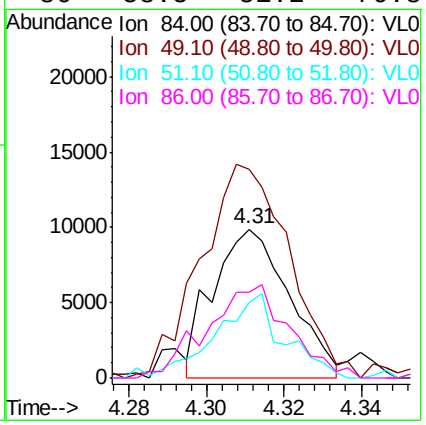


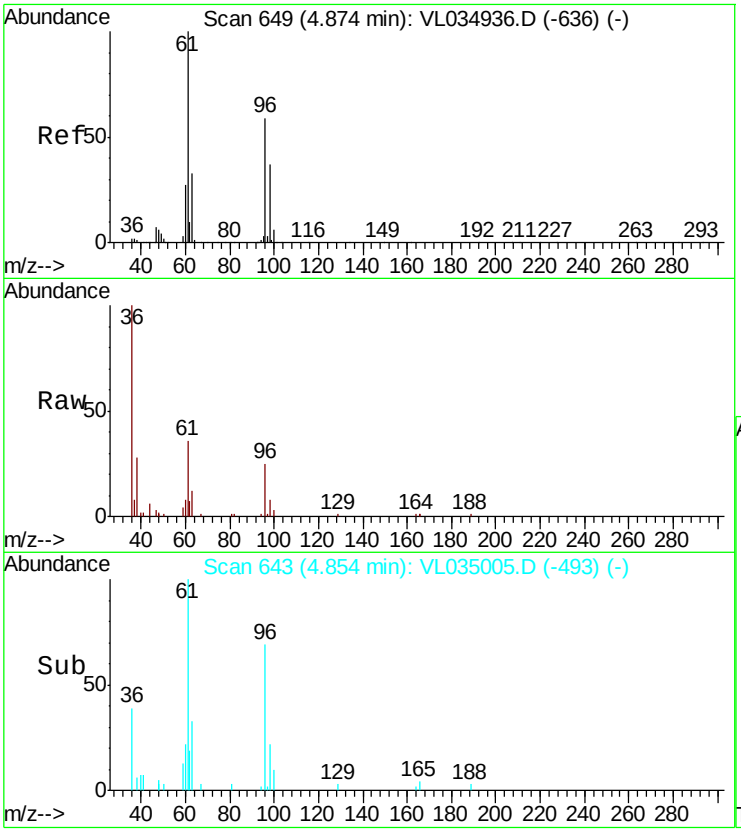


#20
Methylene Chloride
Concen: 0.327 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 84 Resp: 13557

Ion	Ratio	Lower	Upper
84	100		
49	143.7	132.5	198.7
51	51.8	38.4	57.6
86	58.5	51.2	76.8



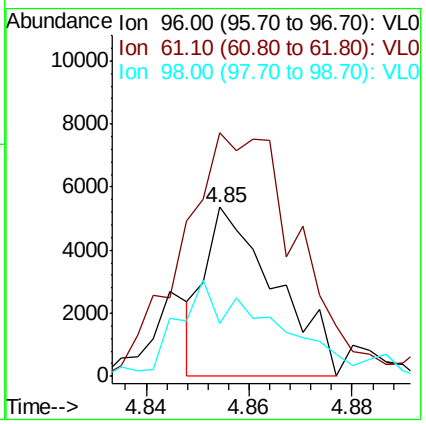


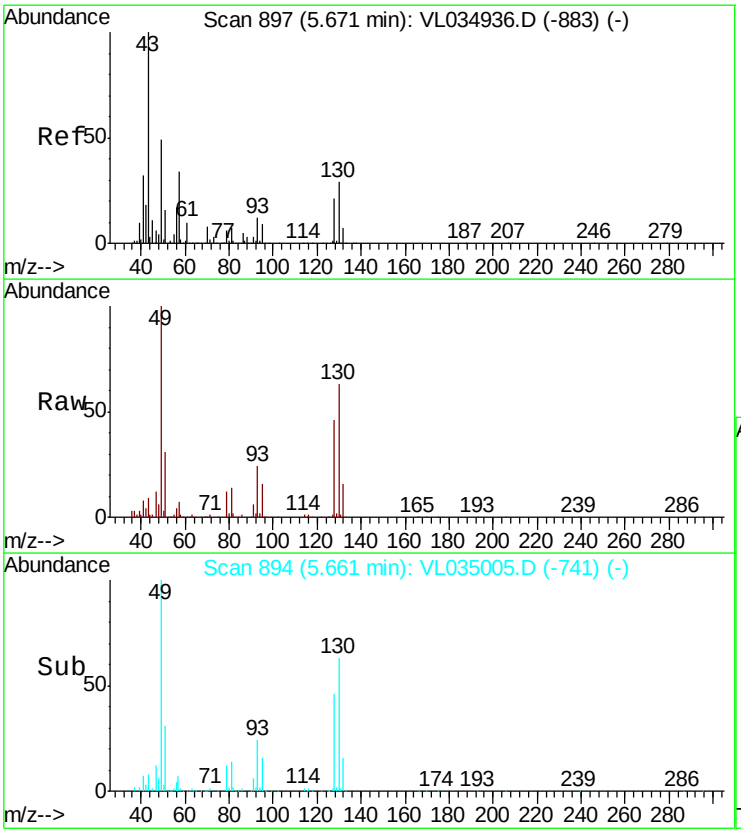
#22
trans-1,2-Dichloroethene
Concen: 0.119 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 96 Resp: 5059

Ion	Ratio	Lower	Upper
96	100		
61	114.4	135.3	202.9#
98	18.6	50.4	75.6#

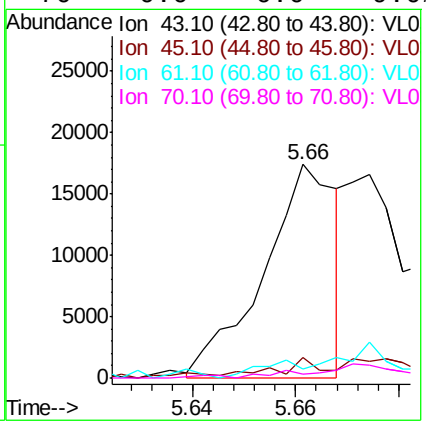


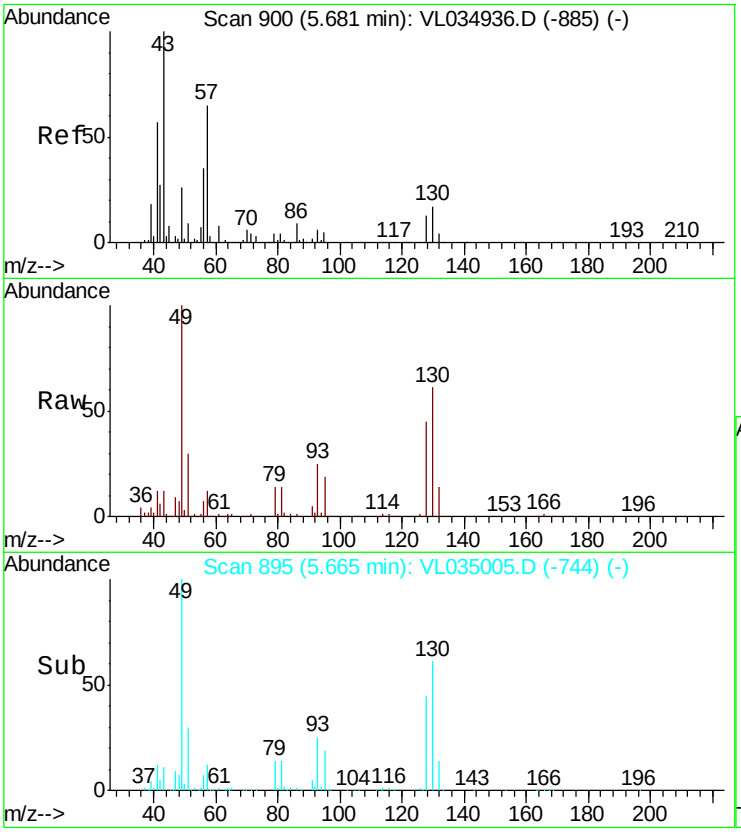


#25
Ethyl Acetate
Concen: 0.081 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 43 Resp: 17010

Ion	Ratio	Lower	Upper
43	100		
45	19.9	8.1	12.1#
61	0.0	7.8	11.8#
70	0.0	6.0	9.0#



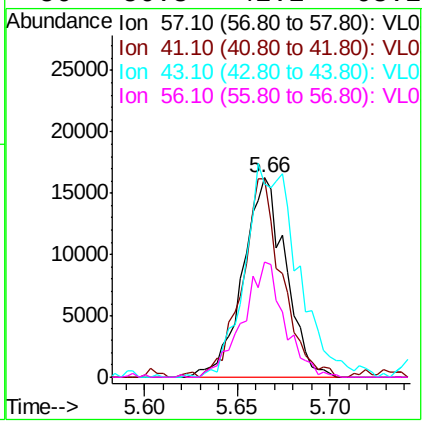


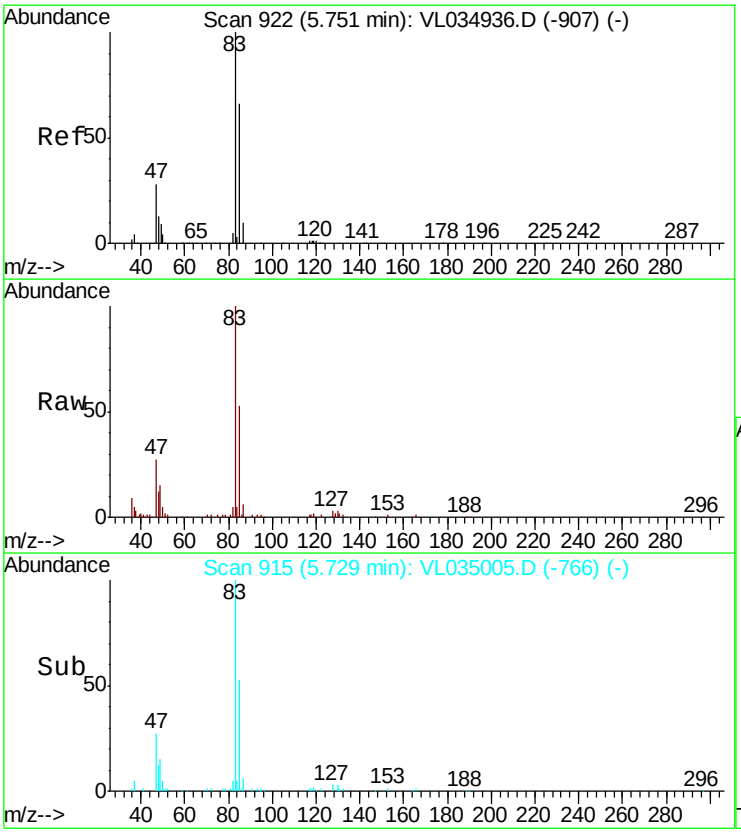
#26
Hexane
Concen: 0.286 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument : MSVOA_L
ClientSampleId : SG-5

Tgt Ion: 57 Resp: 26127

Ion	Ratio	Lower	Upper
57	100		
41	93.9	72.7	109.1
43	132.4	182.1	273.1#
56	56.3	42.2	63.2

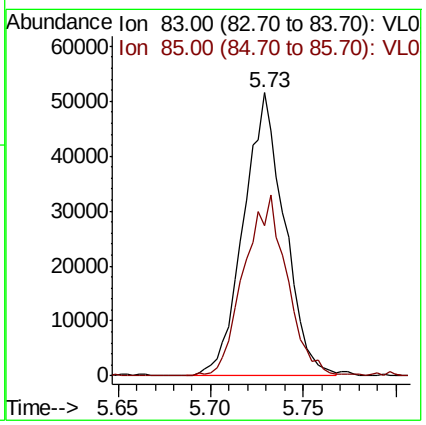


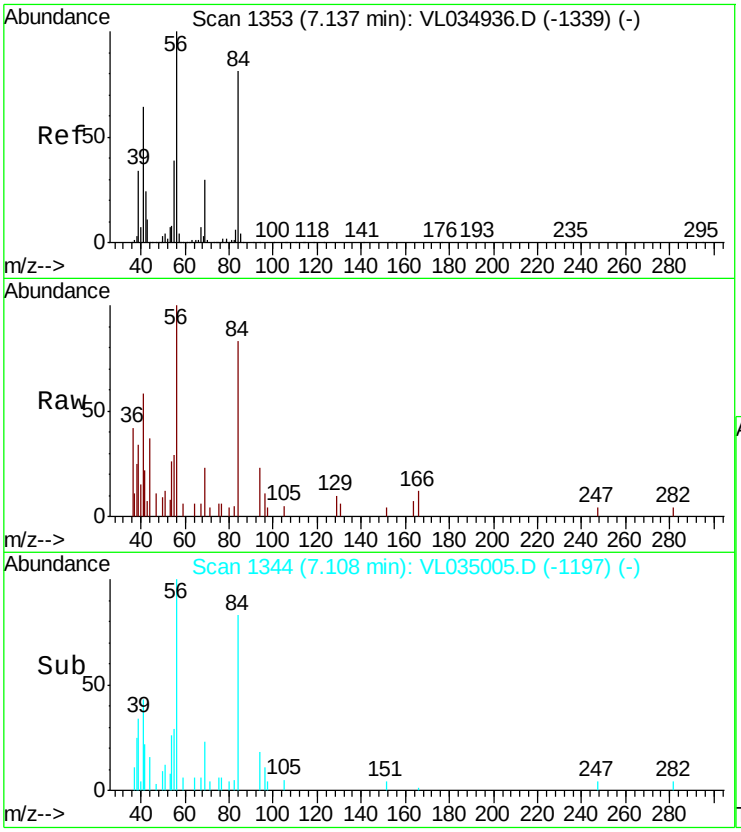


#29
Chloroform
Concen: 0.528 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 83 Resp: 78885

Ion	Ratio	Lower	Upper
83	100		
85	53.1	53.0	79.6



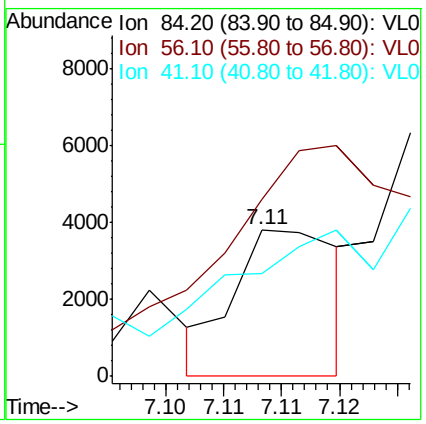


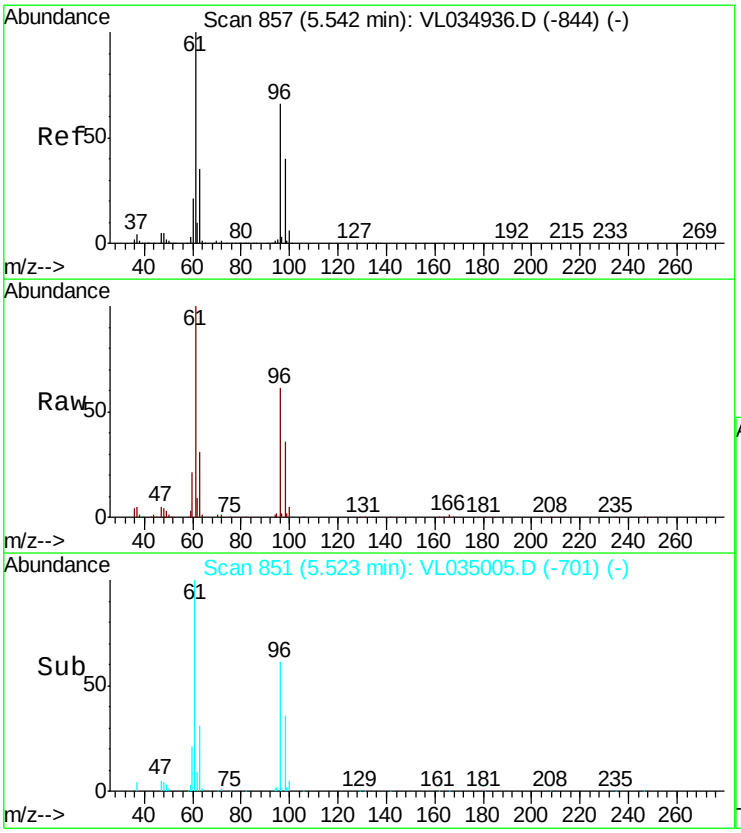
#30
Cyclohexane
Concen: 0.034 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument : MSVOA_L
ClientSampleId : SG-5

Tgt Ion: 84 Resp: 2397

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.4	167.2#
41	0.0	66.7	100.1#

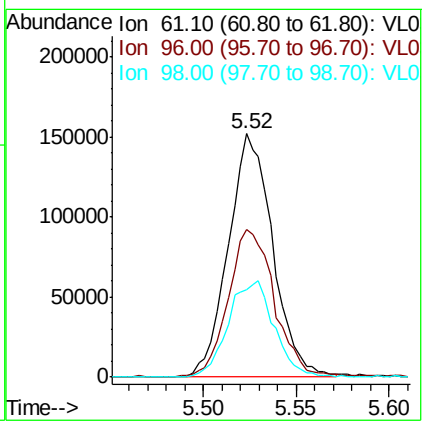


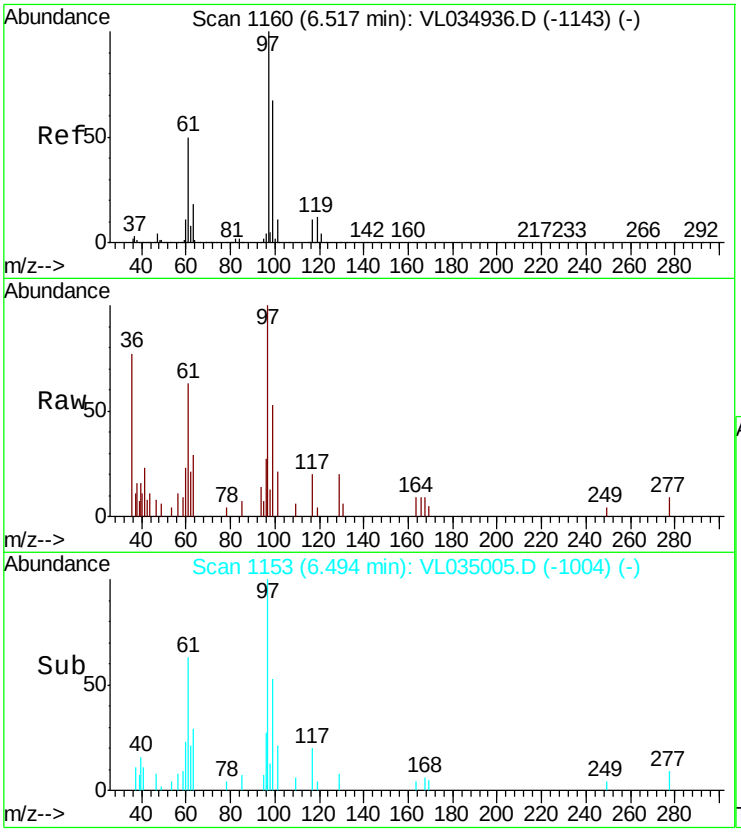


#31
cis-1,2-Dichloroethene
Concen: 2.814 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 61 Resp: 250680

Ion	Ratio	Lower	Upper
61	100		
96	60.2	53.0	79.6
98	35.5	32.2	48.2



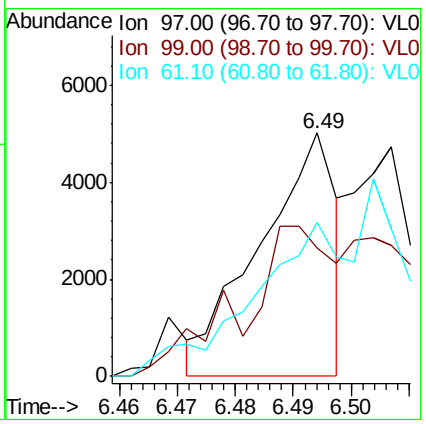


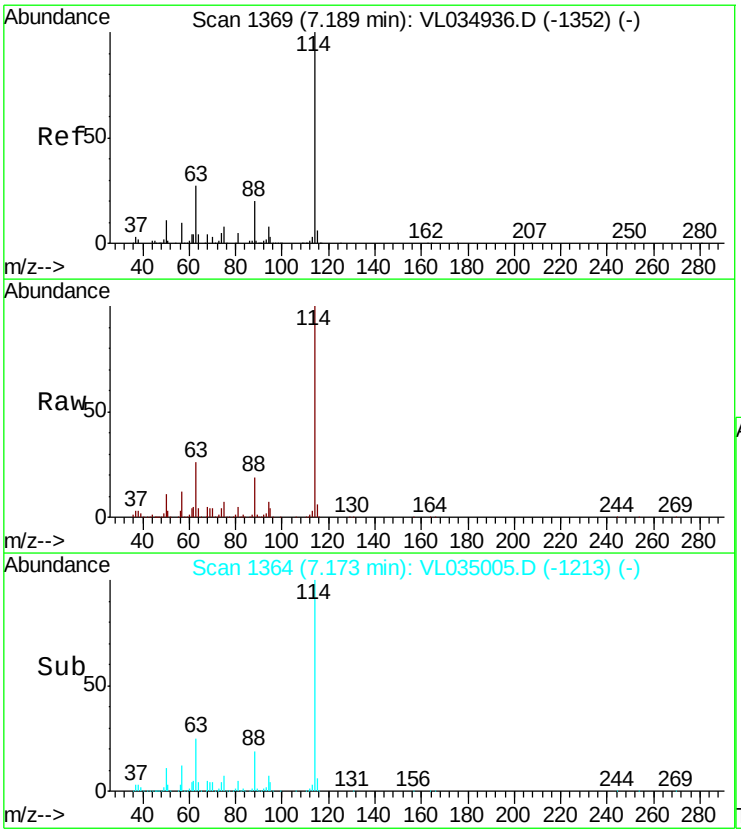
#32
1,1,1-Trichloroethane
Concen: 0.034 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument : MSVOA_L
ClientSampleId : SG-5

Tgt Ion: 97 Resp: 4578

Ion	Ratio	Lower	Upper
97	100		
99	141.4	52.1	78.1#
61	0.0	41.8	62.8#

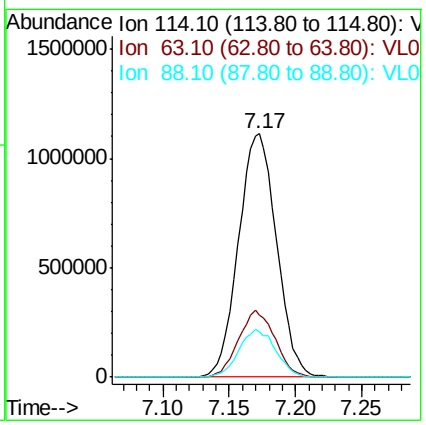


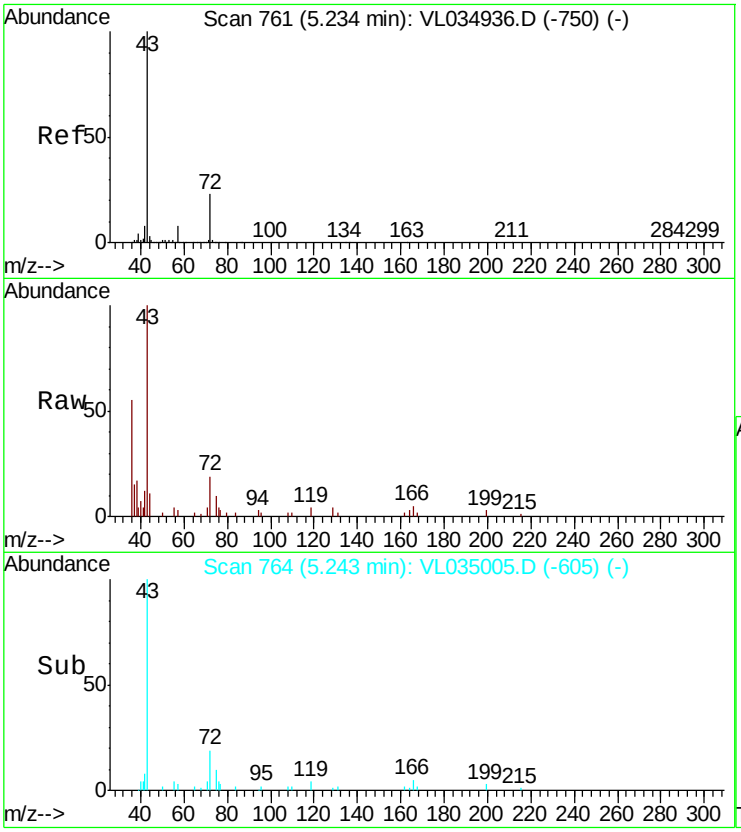


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion:114 Resp: 2221362

Ion	Ratio	Lower	Upper
114	100		
63	26.4	22.2	33.4
88	19.0	15.5	23.3



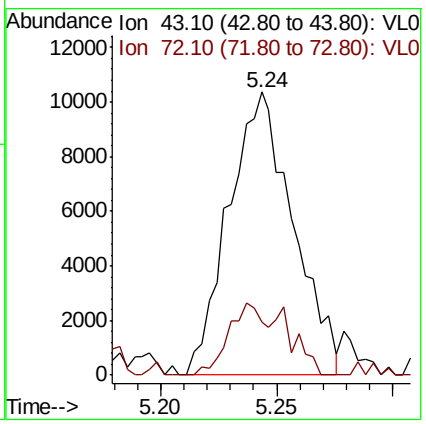


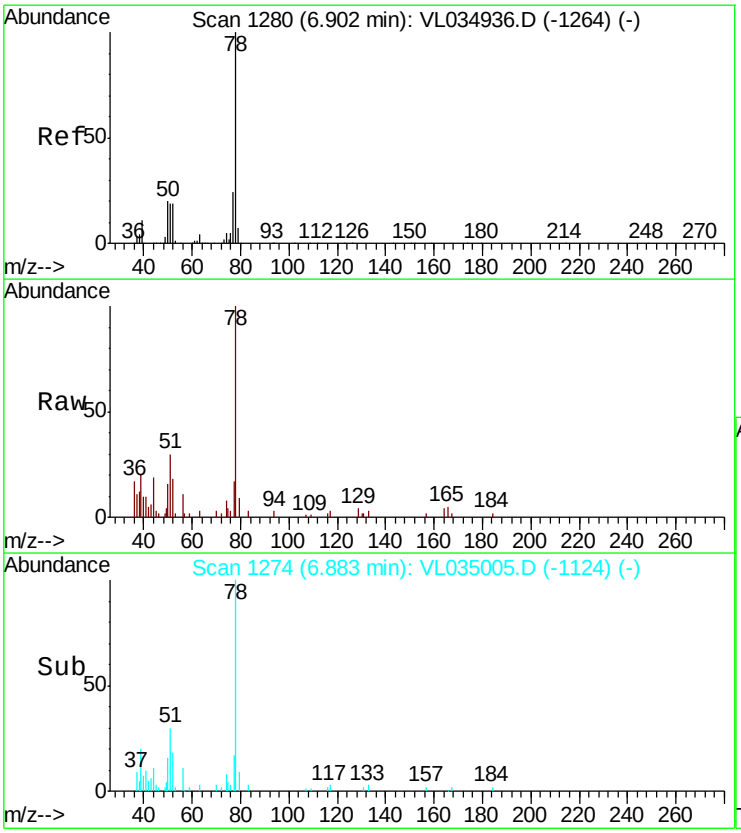
#34
2-Butanone
Concen: 0.145 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument : MSVOA_L
ClientSampleId : SG-5

Tgt Ion: 43 Resp: 20075

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.0	27.0

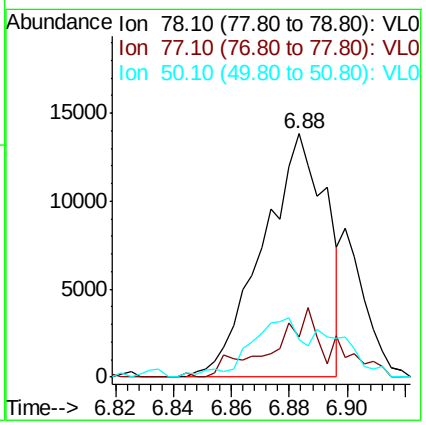


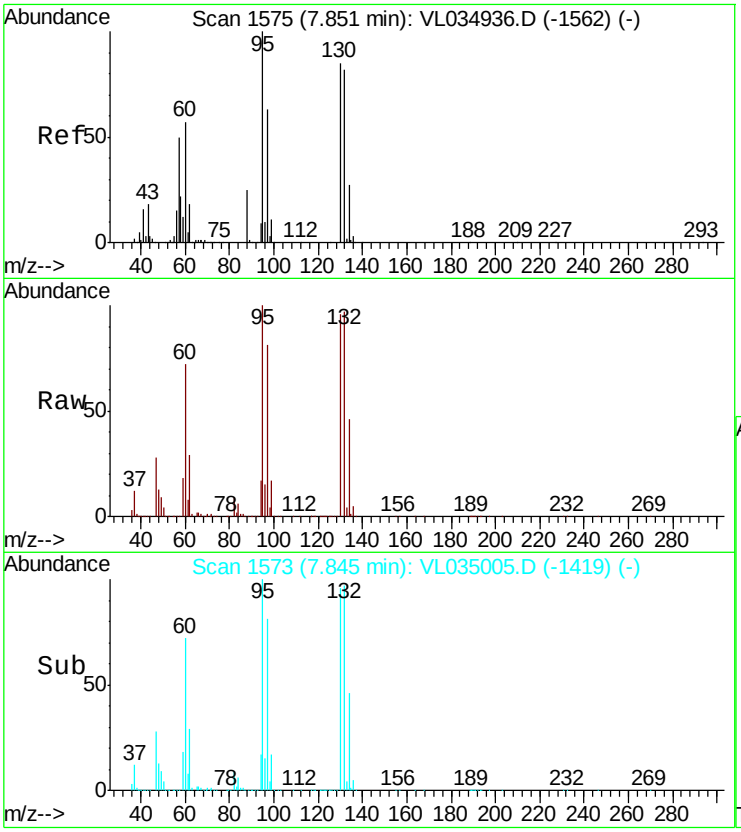


#36
Benzene
Concen: 0.115 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 78 Resp: 21046

Ion	Ratio	Lower	Upper
78	100		
77	15.0	19.0	28.6#
50	13.9	15.8	23.8#



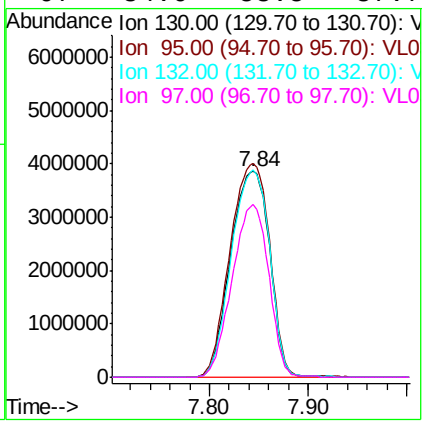


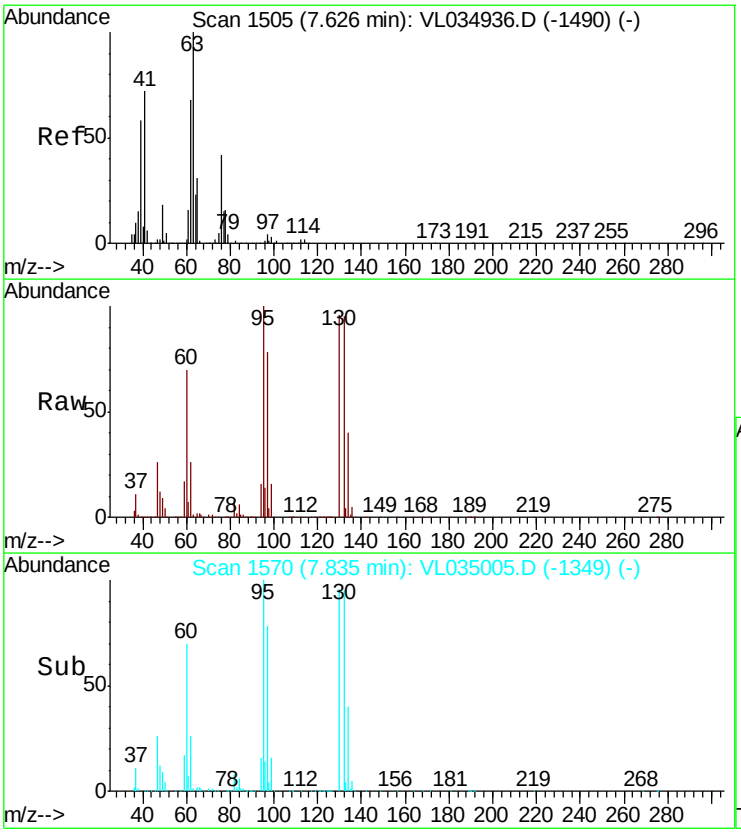
#38
Trichloroethene
Concen: 149.482 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument : MSVOA_L
ClientSampleId : SG-5

Tgt Ion:130 Resp:10605861

Ion	Ratio	Lower	Upper
130	100		
95	103.7	93.4	140.0
132	100.4	76.4	114.6
97	84.0	58.5	87.7

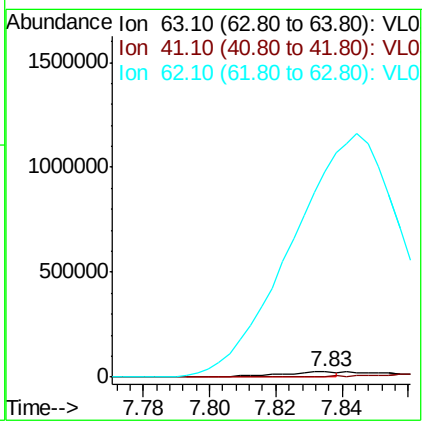


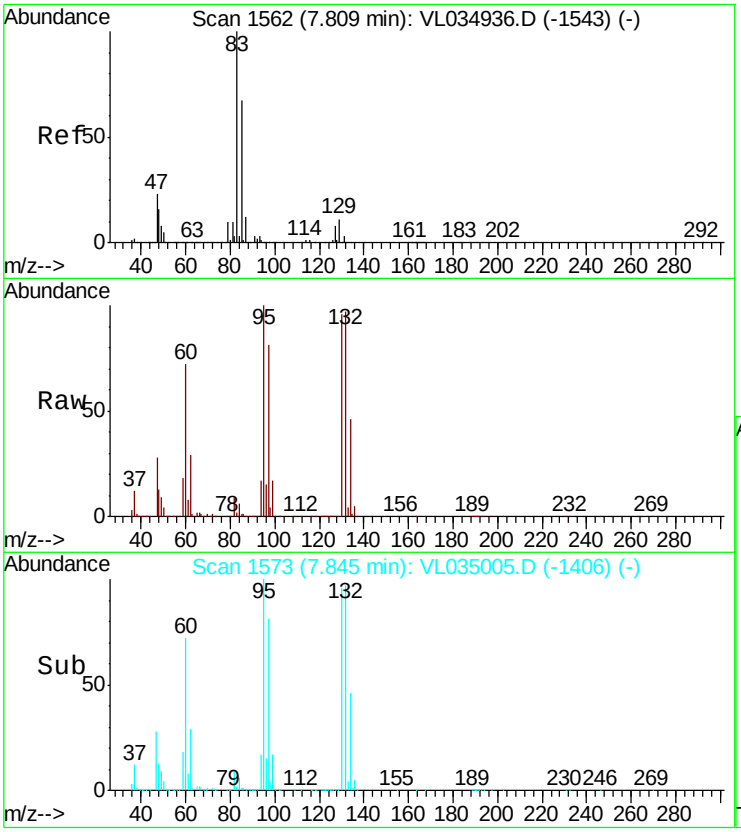


#39
1,2-Dichloropropane
Concen: 0.403 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.21 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 63 Resp: 29606

Ion	Ratio	Lower	Upper
63	100		
41	18.4	57.8	86.8#
62	4056.8	54.2	81.2#



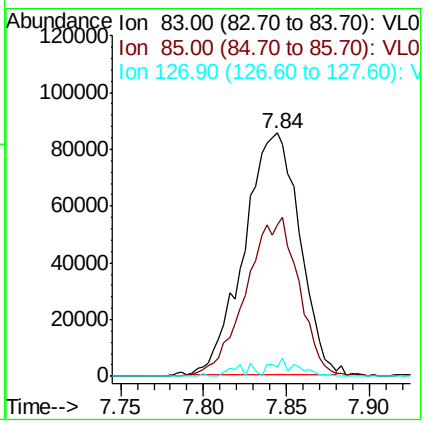


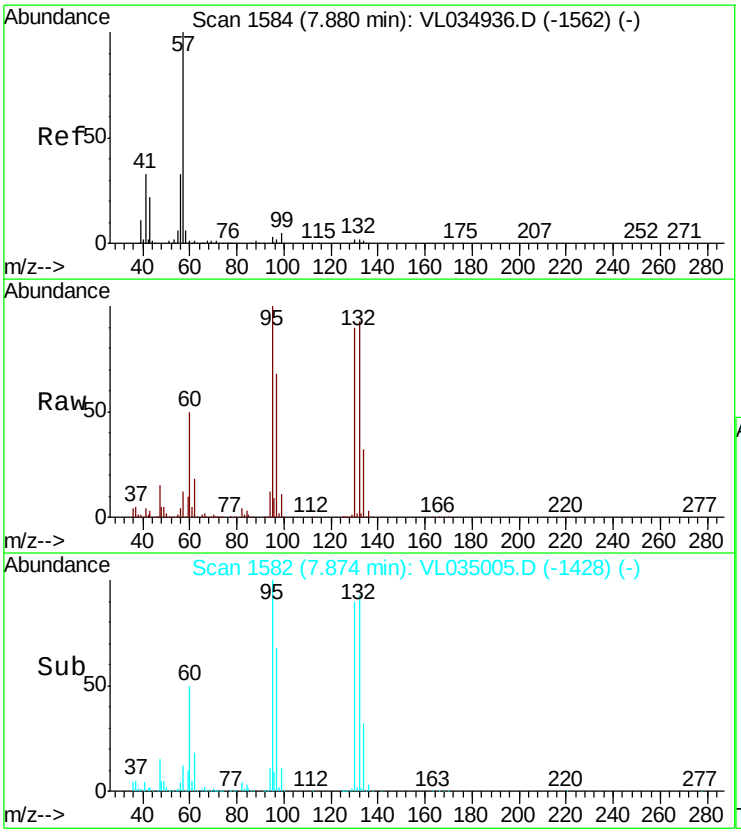
#42
Bromodichloromethane
Concen: 1.286 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.04 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument : MSVOA_L
ClientSampleId : SG-5

Tgt Ion: 83 Resp: 195914

Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.4	80.0
127	3.9	6.1	9.1#

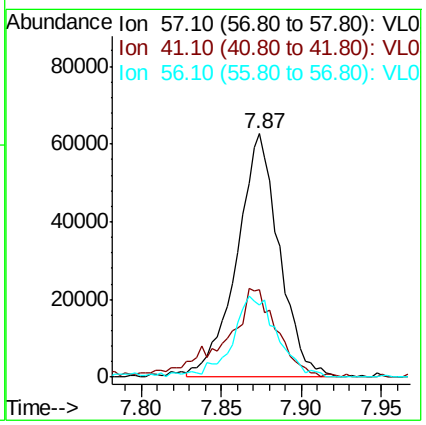


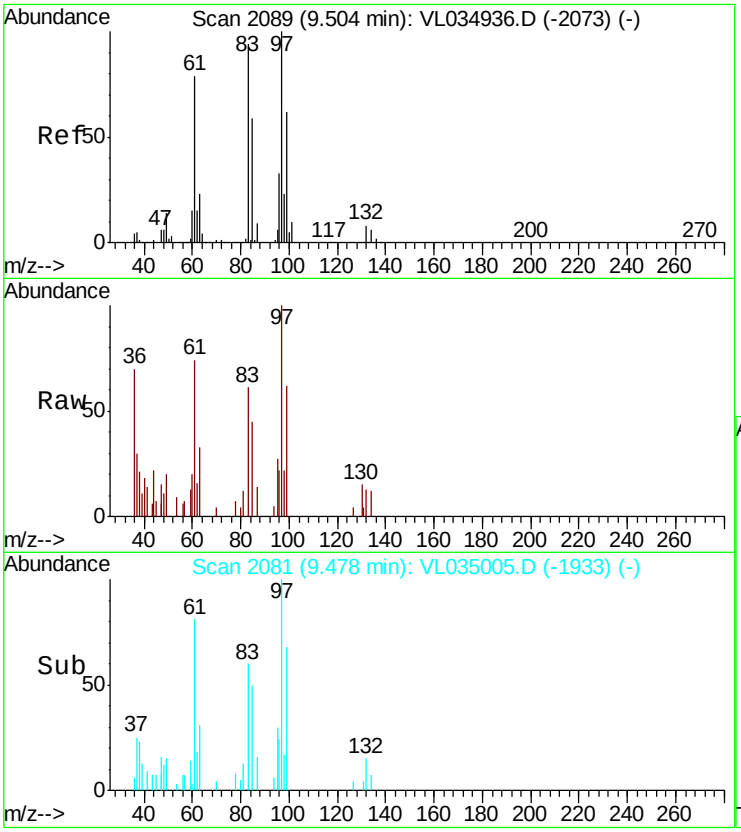


#44
2,2,4-Trimethylpentane
Concen: 0.349 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 57 Resp: 113738

Ion	Ratio	Lower	Upper
57	100		
41	46.0	26.4	39.6#
56	35.5	25.5	38.3



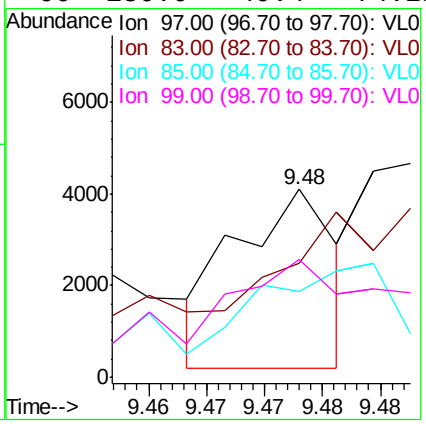


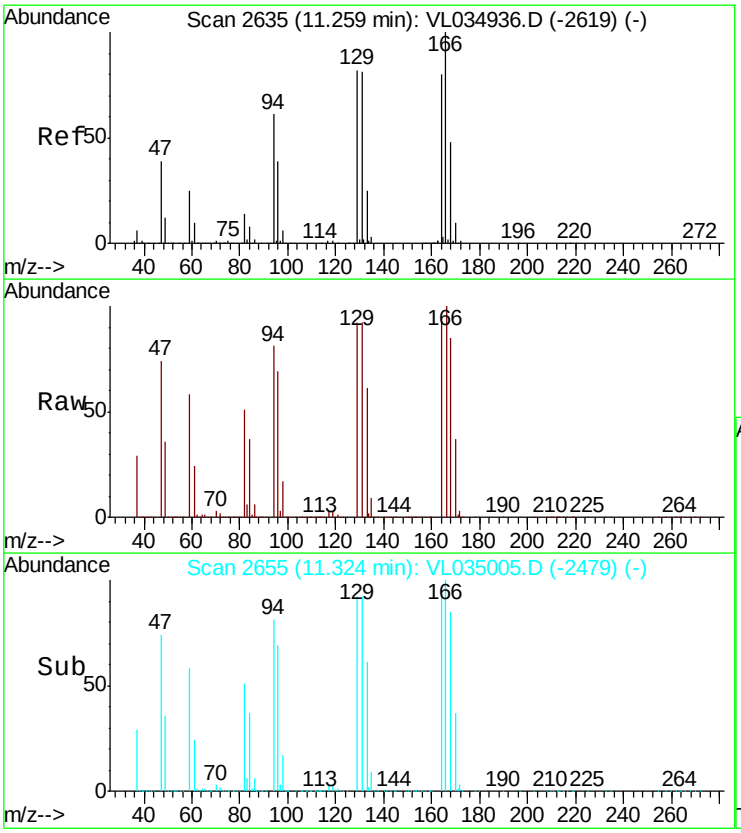
#47
1,1,2-Trichloroethane
Concen: 0.030 ppbv
RT: 9.48 min Scan# 2081
Delta R.T. -0.03 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument : MSVOA_L
ClientSampleId : SG-5

Tgt Ion: 97 Resp: 2338

Ion	Ratio	Lower	Upper
97	100		
83	62.7	75.6	113.4#
85	95.8	47.0	70.6#
99	130.0	49.4	74.2#

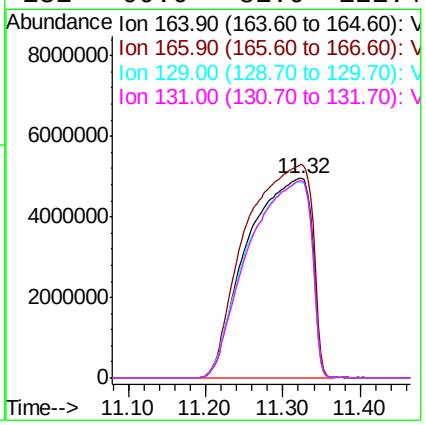


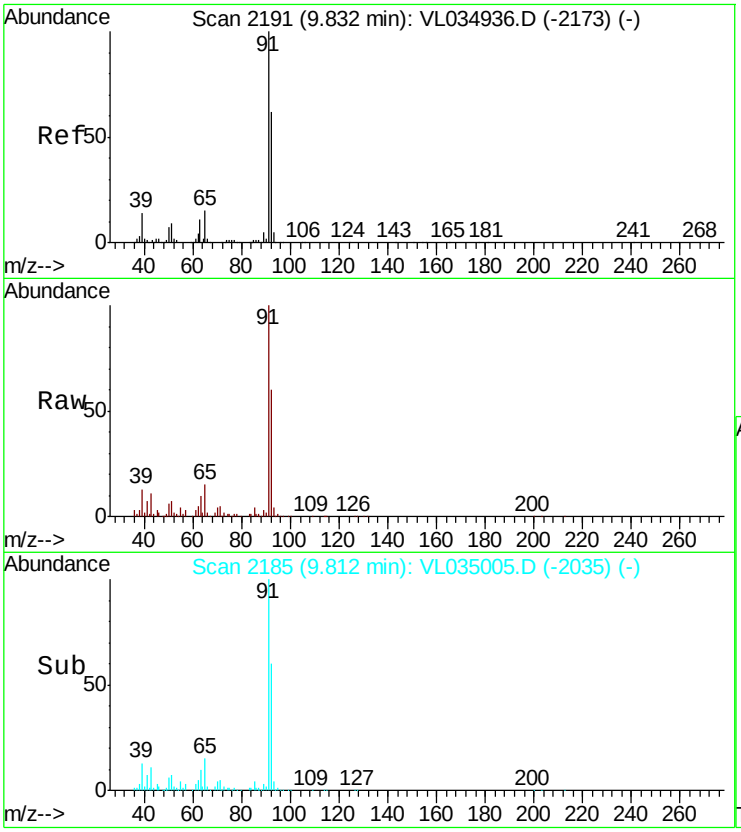


#52
Tetrachloroethene
Concen: 440.040 ppbv
RT: 11.32 min Scan# 2655
Delta R.T. 0.06 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion:164 Resp:28656279

Ion	Ratio	Lower	Upper
164	100		
166	107.1	100.7	151.1
129	98.4	83.0	124.4
131	99.0	81.0	121.4



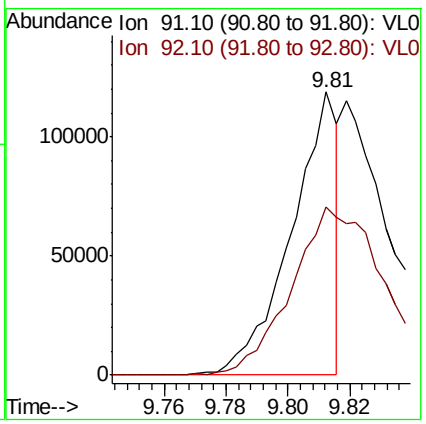


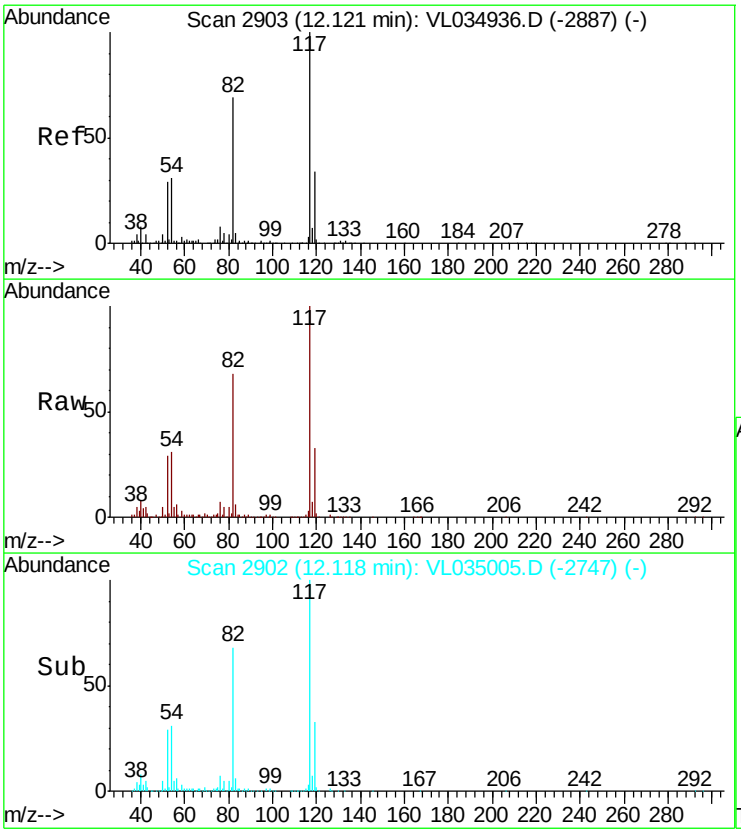
#53
Toluene
Concen: 0.634 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.02 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 91 Resp: 123069

Ion	Ratio	Lower	Upper
91	100		
92	120.8	48.6	73.0#

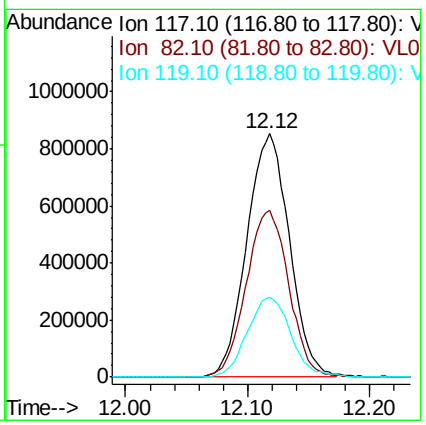


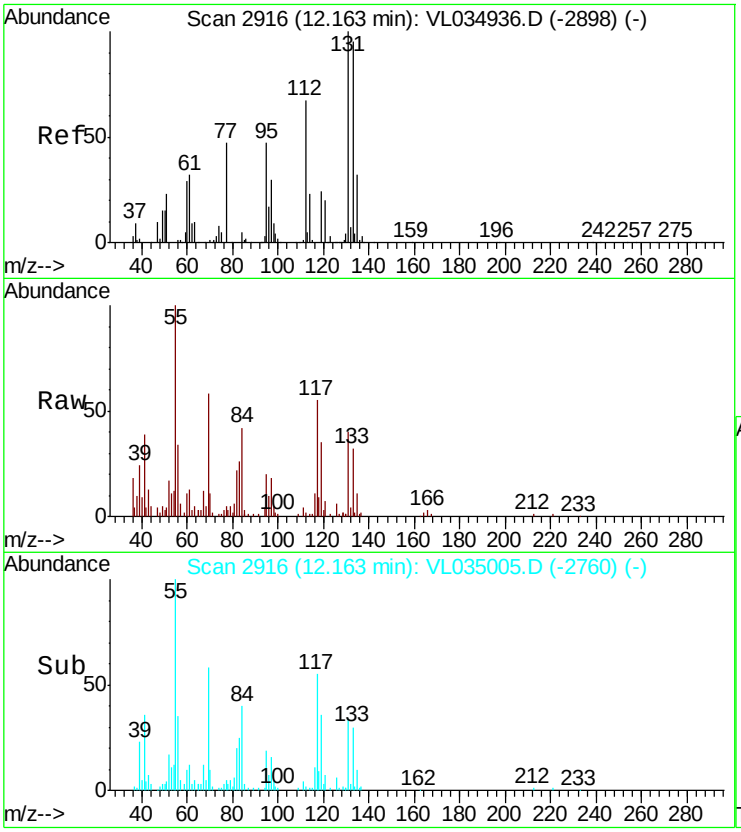


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion:117 Resp: 2065091

Ion	Ratio	Lower	Upper
117	100		
82	68.6	53.1	79.7
119	33.6	26.7	40.1



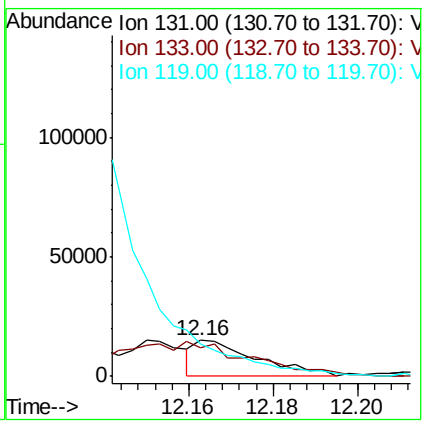


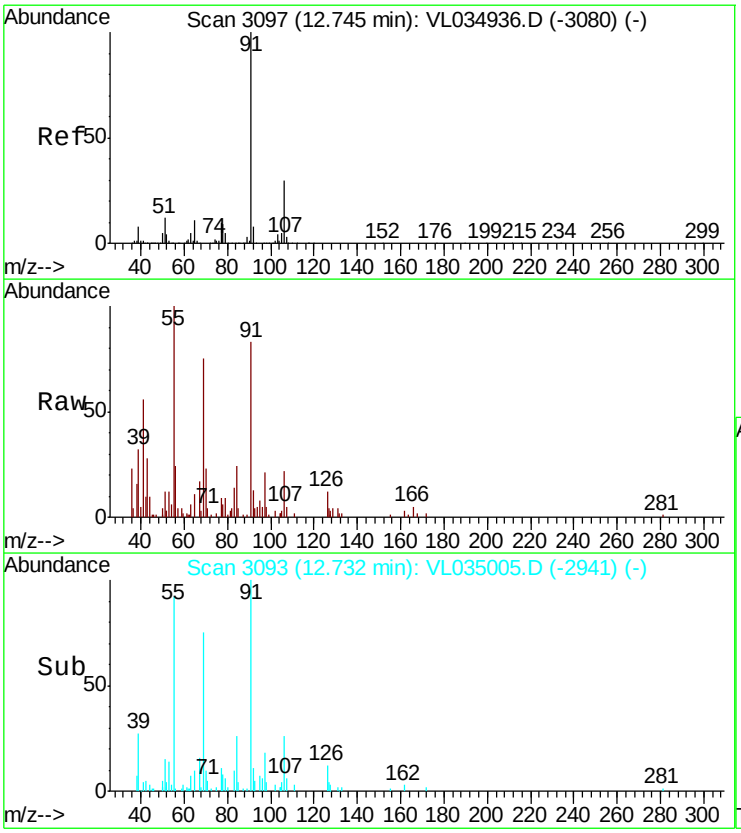
#56
1,1,1,2-Tetrachloroethane
Concen: 0.163 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.00 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:131 Resp: 15216

Ion	Ratio	Lower	Upper
131	100		
133	230.1	77.7	116.5#
119	0.0	49.8	74.6#

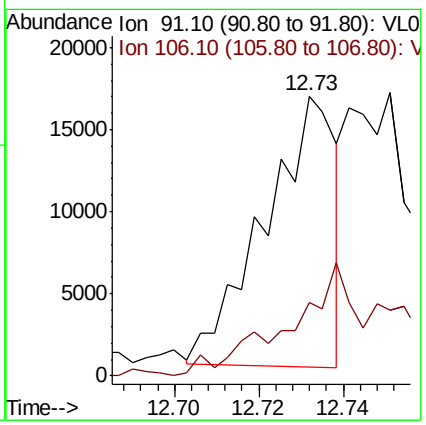


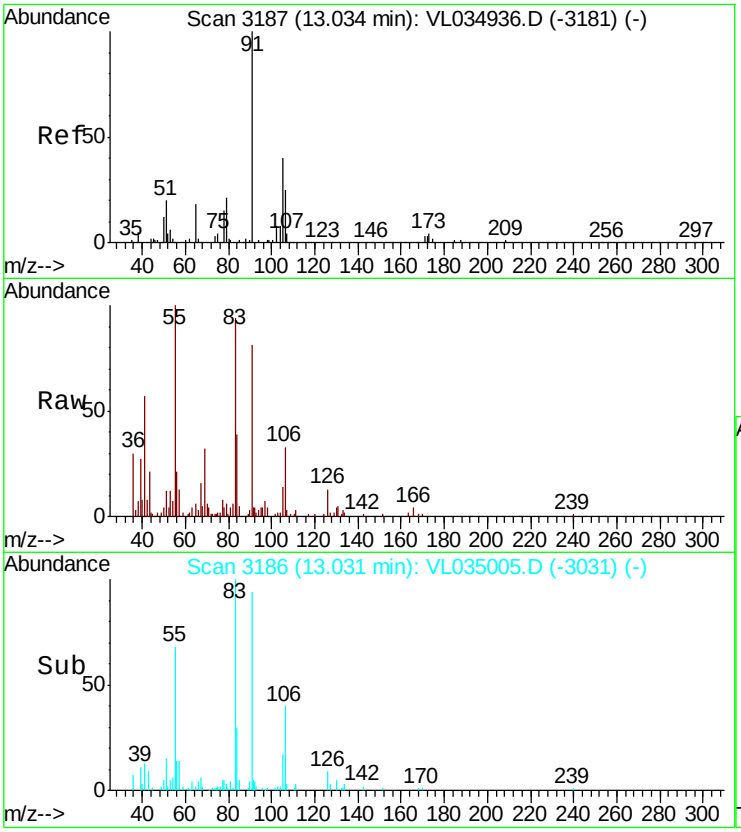


#58
Ethyl Benzene
Concen: 0.076 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 91 Resp: 19295

Ion	Ratio	Lower	Upper
91	100		
106	26.7	24.2	36.4



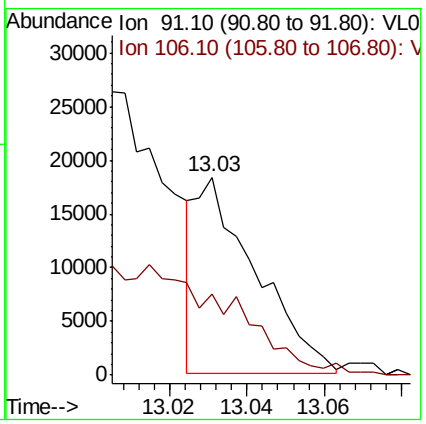


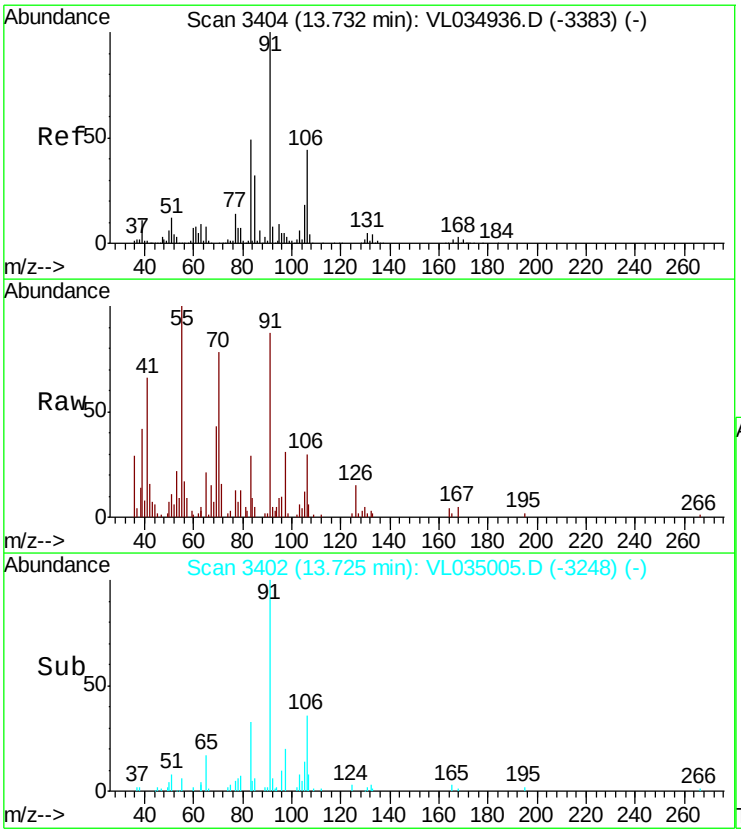
#59
m/p-Xylene
Concen: 0.087 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. -0.00 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 91 Resp: 19506

Ion	Ratio	Lower	Upper
91	100		
106	0.0	66.0	99.0#

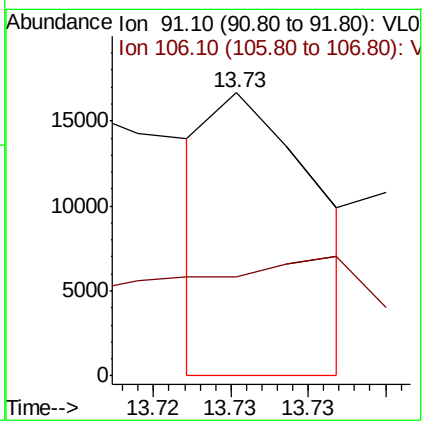


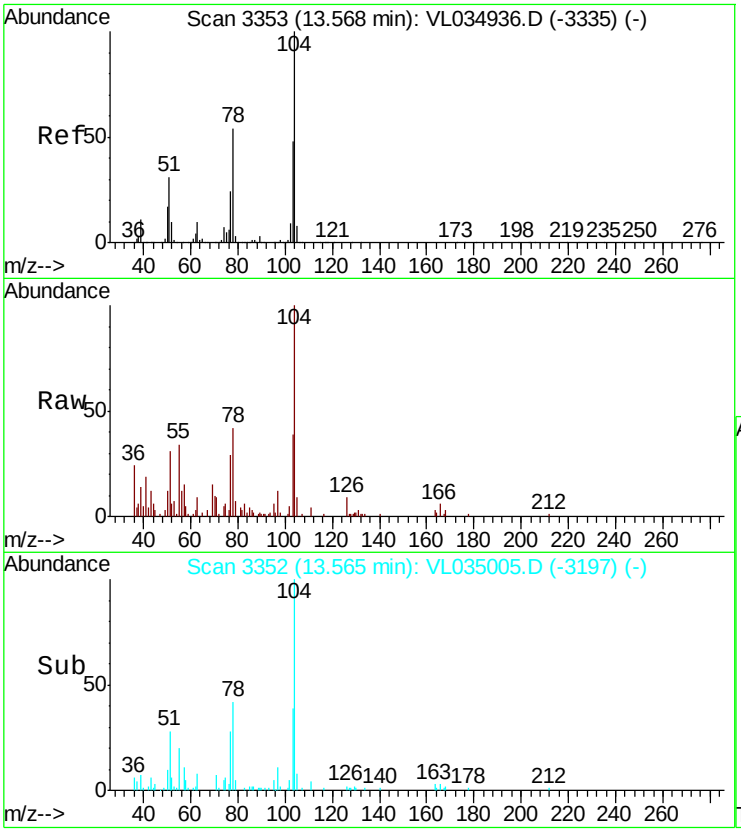


#60
o-Xylene
Concen: 0.035 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion: 91 Resp: 7738

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.5#



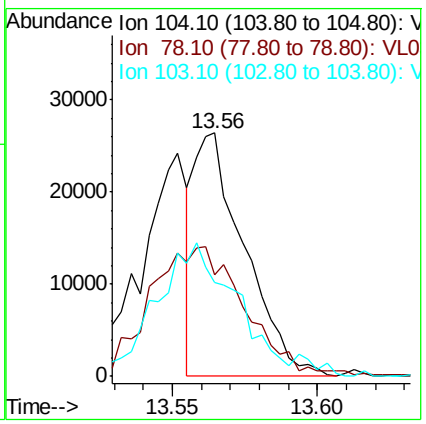


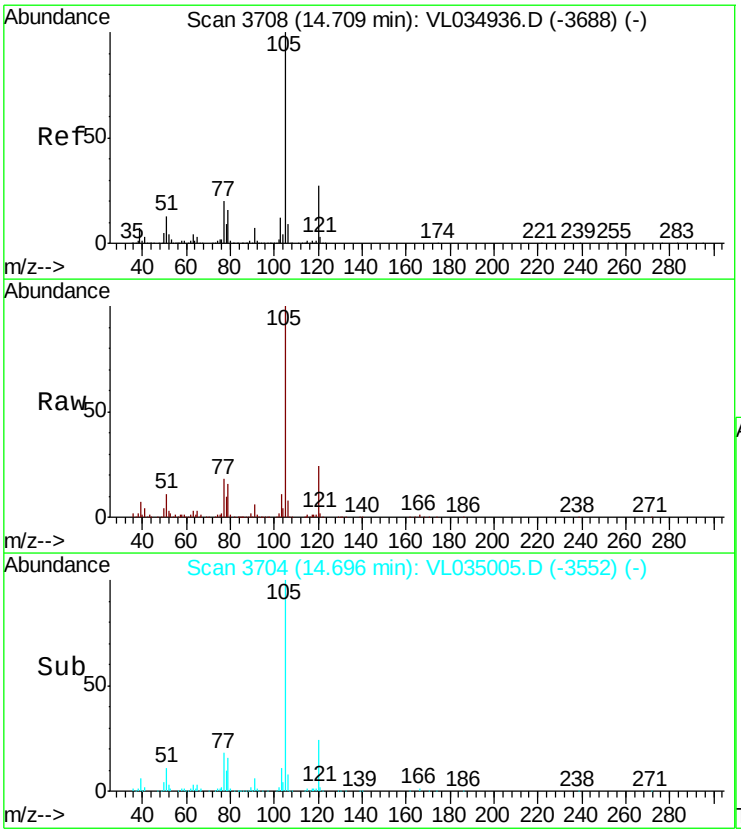
#61
Stvrene
Concen: 0.226 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion:104 Resp: 31738

Ion	Ratio	Lower	Upper
104	100		
78	104.3	43.7	65.5#
103	92.6	38.8	58.2#

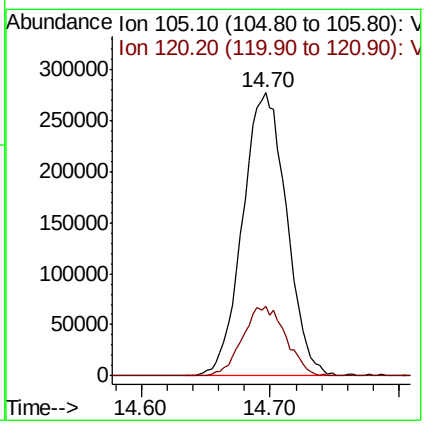


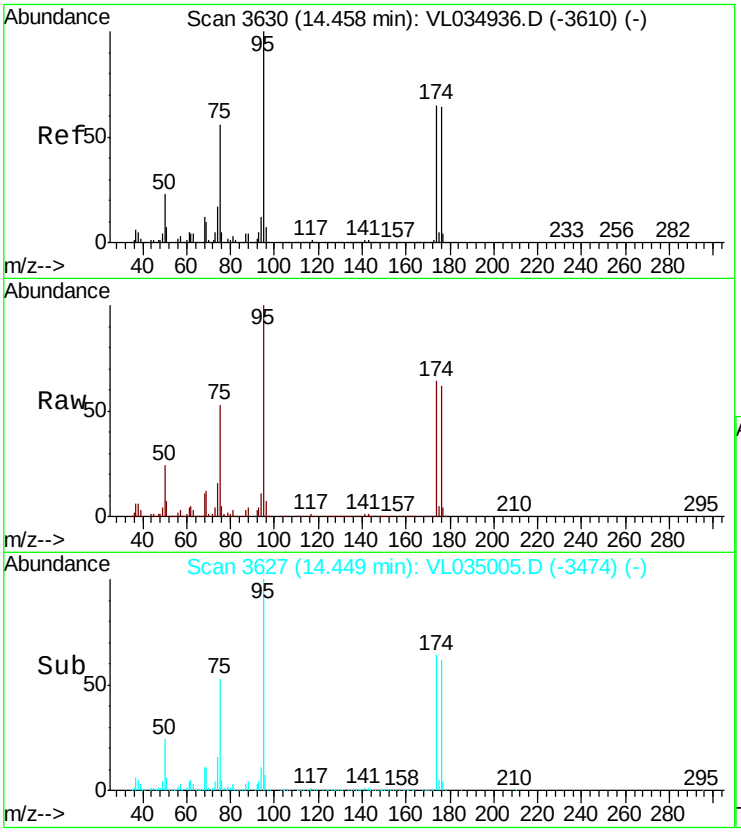


#62
Isopropylbenzene
Concen: 1.987 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion:105 Resp: 657575

Ion	Ratio	Lower	Upper
105	100		
120	24.1	20.6	31.0



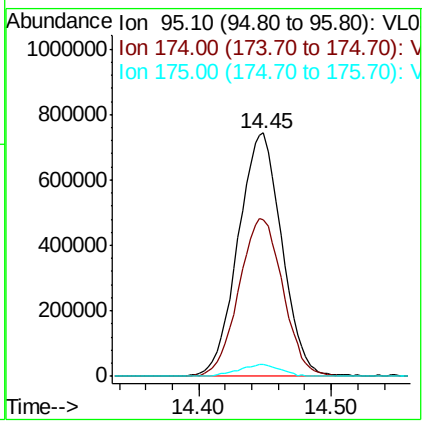


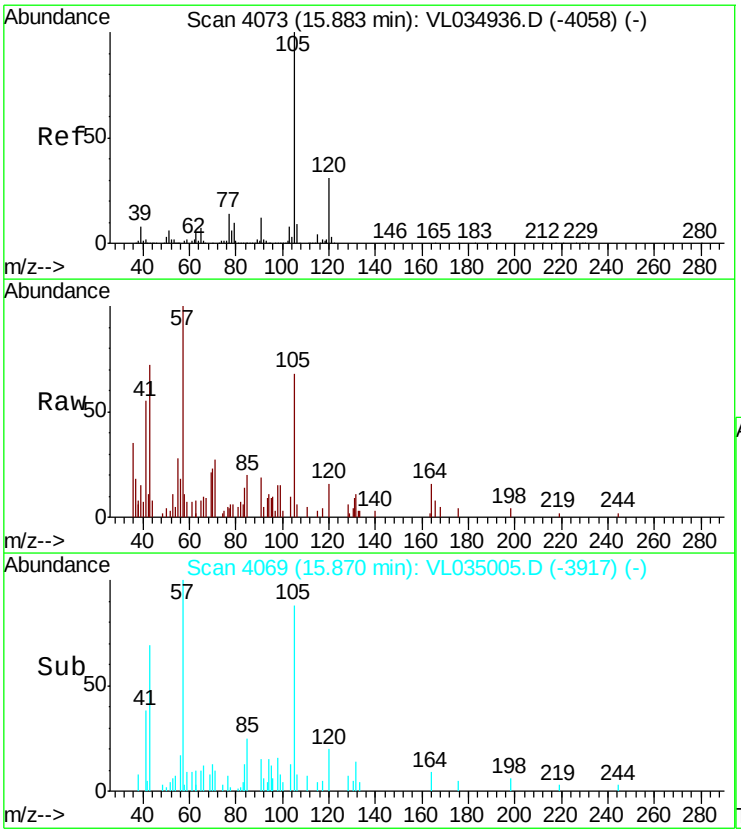
#68
1-Bromo-4-Fluorobenzene
Concen: 10.129 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Instrument :
MSVOA_L
ClientSampleId :
SG-5

Tgt Ion: 95 Resp: 1693096

Ion	Ratio	Lower	Upper
95	100		
174	66.0	51.5	77.3
175	4.8	3.8	5.8





#72
4-Ethyltoluene
Concen: 0.021 ppbv
RT: 15.87 min Scan# 4069
Delta R.T. -0.01 min
Lab File: VL035005.D
Acq: 13 May 2020 2:45

Tgt Ion:105 Resp: 5245

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.8	35.8#
91	43.0	10.6	15.8#
77	0.0	11.6	17.4#