Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061319\
Data File : VL033922.D
Acq On : 14 Jun 2019 7:27
Operator : SY/AP
Sample : K3295-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : V1DL

Quant Time: Jun 14 09:18:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.75	49	1075477	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2740706	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.22	117	2871090	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.56	95	2100407	8.91	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 89.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	19839	0.114	ppbv		94
3) Chlorodifluoromethane	2.98	51	28184	0.223	ppbv	#	76
4) Chloromethane	3.16	50	2505	0.035	ppbv		90
9) Propene	3.03	41	218227	4.606	ppbv		94
10) Heptane	8.23	43	71161	0.594	ppbv	#	73
13) Ethanol	3.64	45	120323	7.806	ppbv		95
15) Acetone	3.89	43	3854180	24.572	ppbv		93
16) 1,3-Butadiene	3.34	39	274234	4.593	ppbv	#	20
17) tert-Butyl alcohol	4.35	59	131796	1.075	ppbv		98
19) Isopropyl Alcohol	4.02	45	76845	0.858	ppbv	#	94
20) Methylene Chloride	4.40	84	6690	0.109	ppbv	#	81
23) Vinyl Acetate	5.13	43	36758	0.202	ppbv	#	47
25) Ethyl Acetate	5.77	43	39664	0.166	ppbv	#	86
26) Hexane	5.77	57	49520	0.455	ppbv	#	37
27) Carbon Disulfide	4.61	76	75366	0.499	ppbv	#	91
30) Cyclohexane	7.23	84	3399	0.044	ppbv	#	1
34) 2-Butanone	5.31	43	829153	5.363	ppbv		98
36) Benzene	6.99	78	70873	0.339	ppbv	#	94
38) Trichloroethene	7.95	130	2861	0.035	ppbv	#	78
39) 1,2-Dichloropropane	7.27	63	628835	7.782	ppbv	#	25
44) 2,2,4-Trimethylpentane	7.98	57	60896	0.164	ppbv	#	29
50) 4-Methyl-2-Pentanone	8.86	43	17196	0.075	ppbv	#	39
51) 2-Hexanone	10.26	43	226574	1.258	ppbv	#	99
52) Tetrachloroethene	11.35	164	96304	1.307	ppbv		86
53) Toluene	9.93	91	254680	1.099	ppbv		97
58) Ethyl Benzene	12.84	91	70717	0.218	ppbv		91
59) m/p-Xylene	13.14	91	43573	0.148	ppbv	#	31
60) o-Xylene	13.83	91	94526	0.311	ppbv		97
64) n-propylbenzene	15.70	120	4128	0.039	ppbv	#	1
72) 4-Ethyltoluene	15.99	105	18460	0.053	ppbv	#	38
73) 1,3,5-Trimethylbenzene	16.14	105	22023	0.065	ppbv		99
74) 1,2,4-Trimethylbenzene	16.91	105	156370	0.398	ppbv	#	72

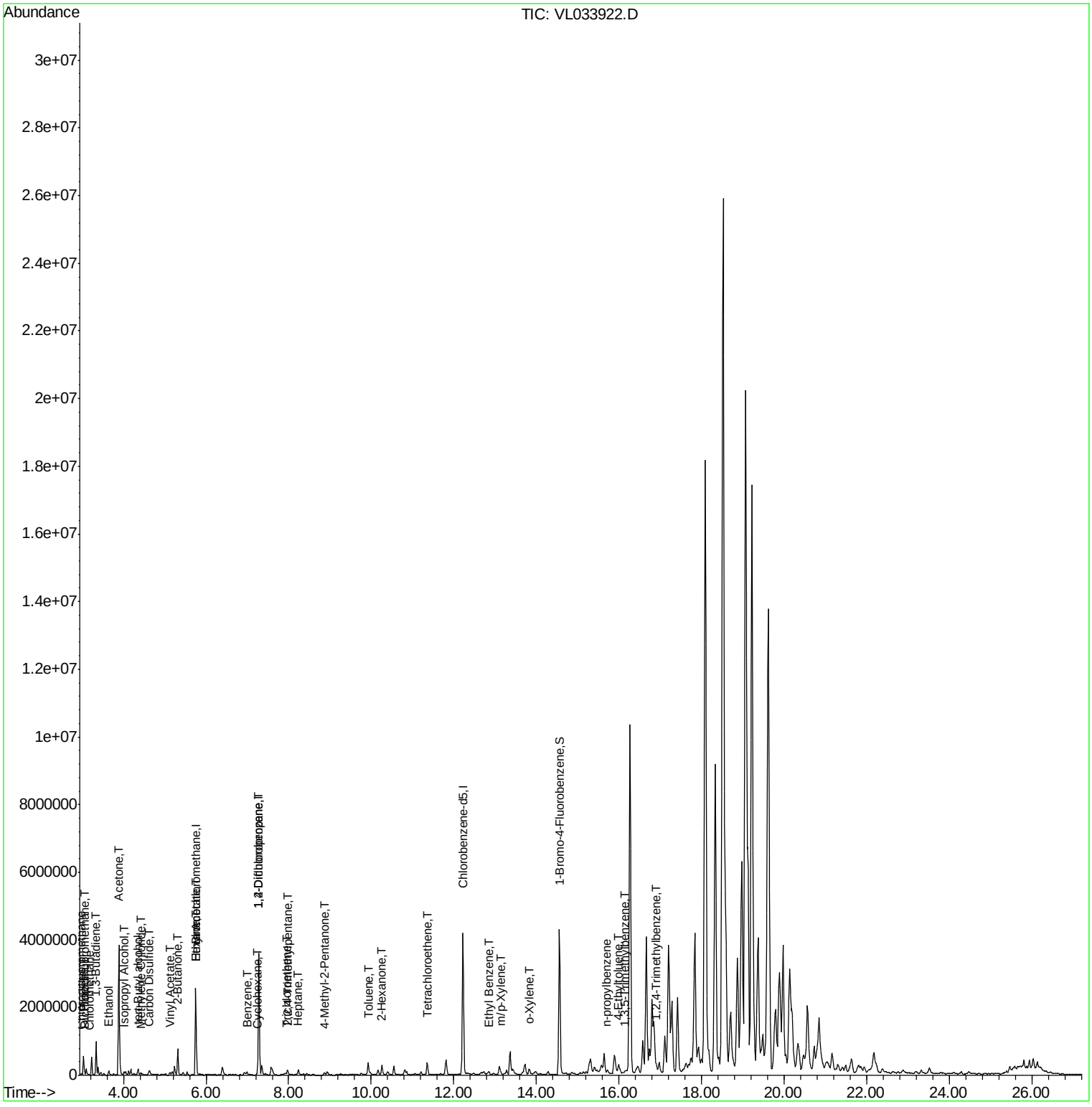
(#) = qualifier out of range (m) = manual integration (+) = signals summed

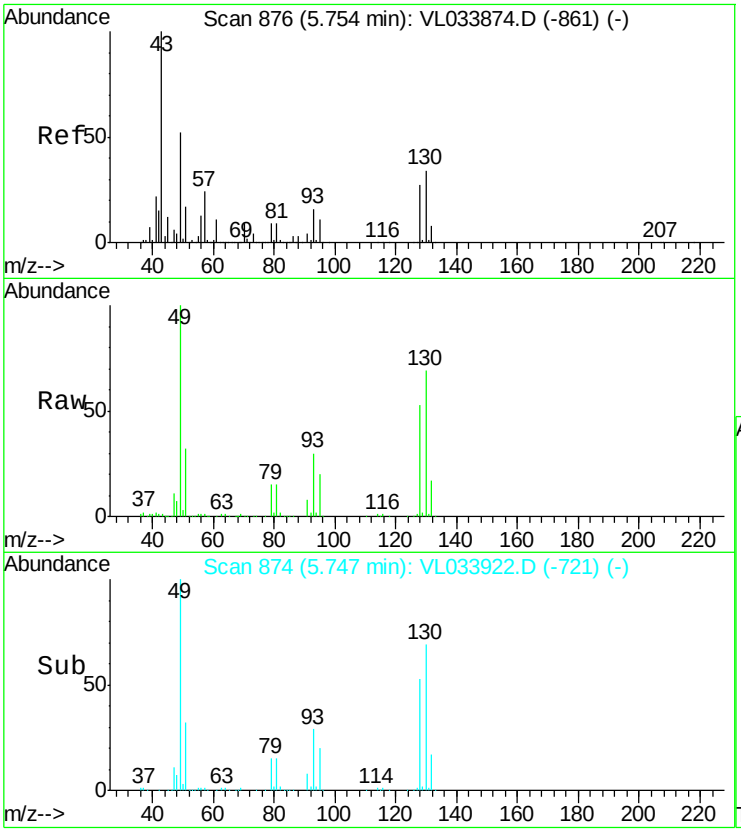
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061319\
Data File : VL033922.D
Acq On : 14 Jun 2019 7:27
Operator : SY/AP
Sample : K3295-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : V1DL

Quant Time: Jun 14 09:18:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration



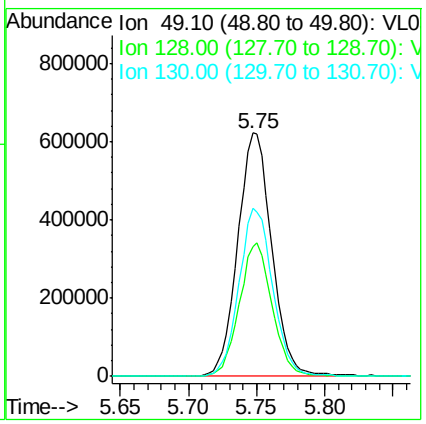


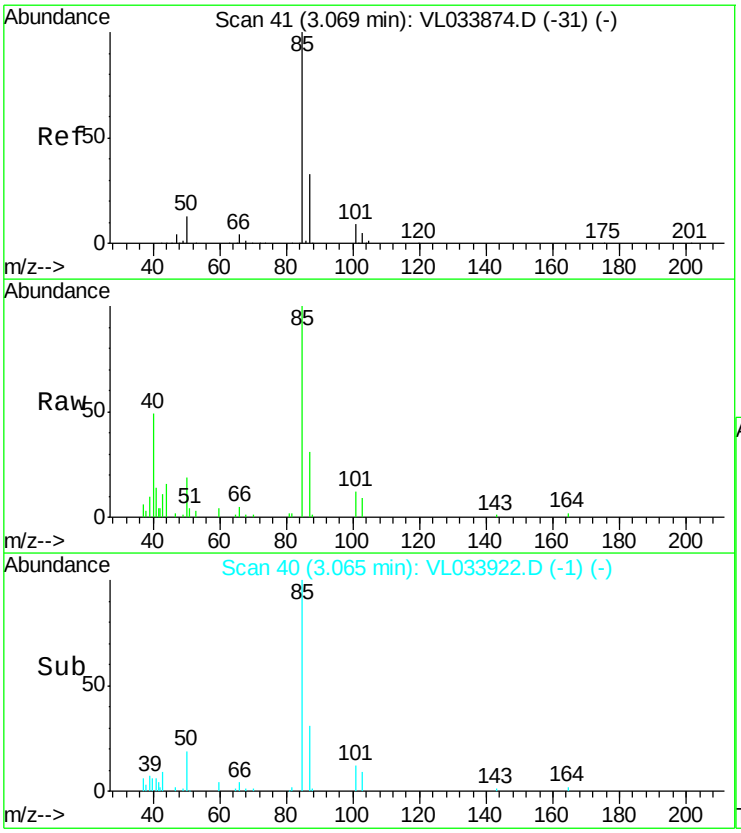
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.75 min Scan# 874
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument :
MSVOA_L
ClientSampleId :
V1DL

Tgt Ion: 49 Resp: 1075477

Ion	Ratio	Lower	Upper
49	100		
128	53.5	25.5	76.5
130	69.1	32.5	97.4

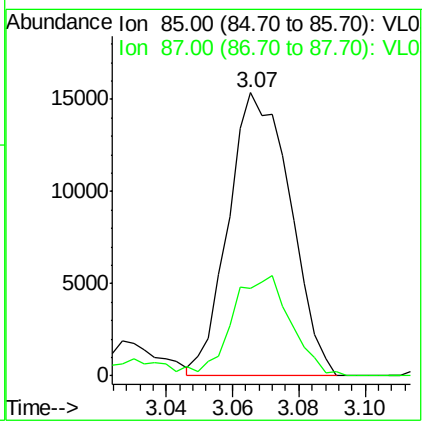


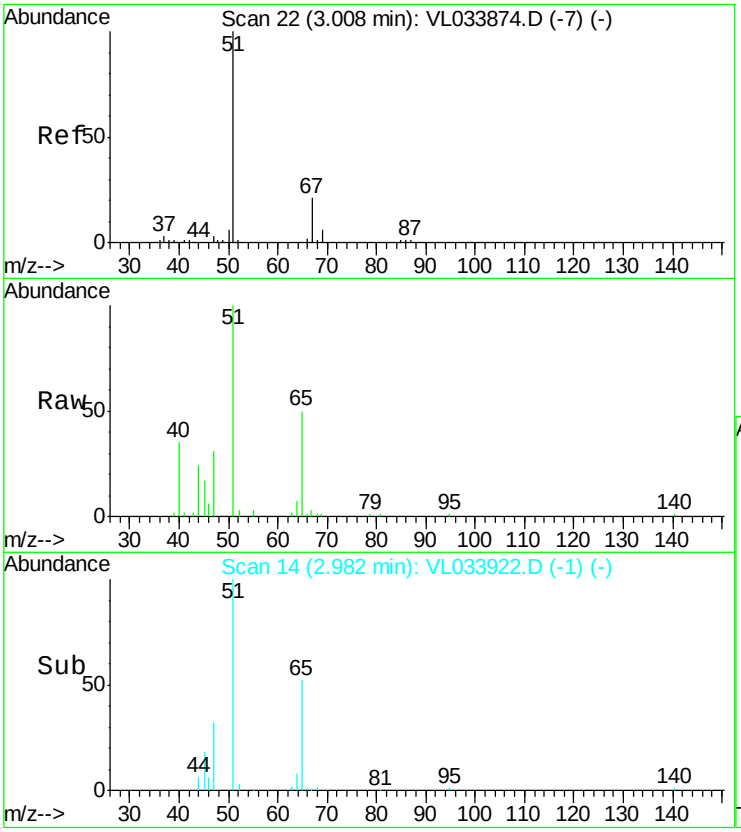


#2
Dichlorodifluoromethane
Concen: 0.114 ppbv
RT: 3.07 min Scan# 40
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 85 Resp: 19839

Ion	Ratio	Lower	Upper
85	100		
87	29.7	26.6	40.0



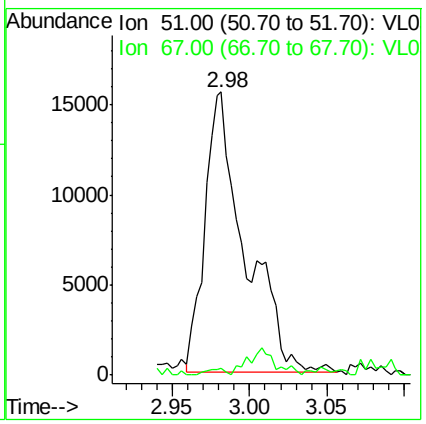


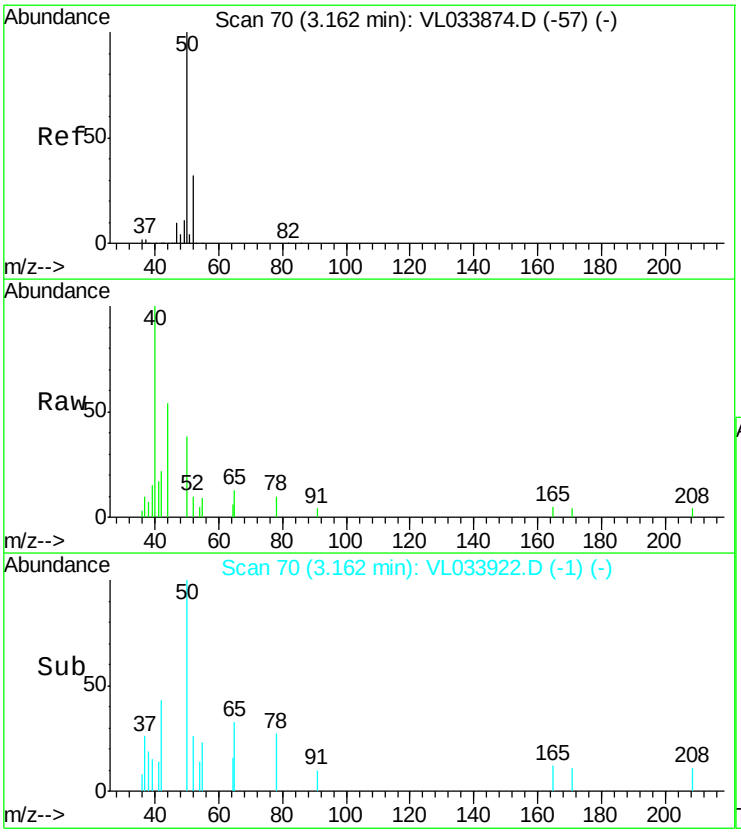
#3
Chlorodifluoromethane
Concen: 0.223 ppbv
RT: 2.98 min Scan# 14
Delta R.T. -0.03 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion: 51 Resp: 28184

Ion	Ratio	Lower	Upper
51	100		
67	9.4	16.4	24.6#

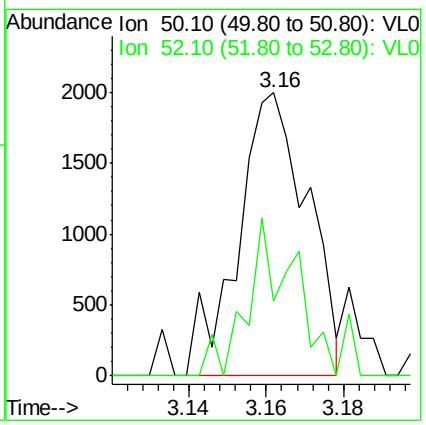


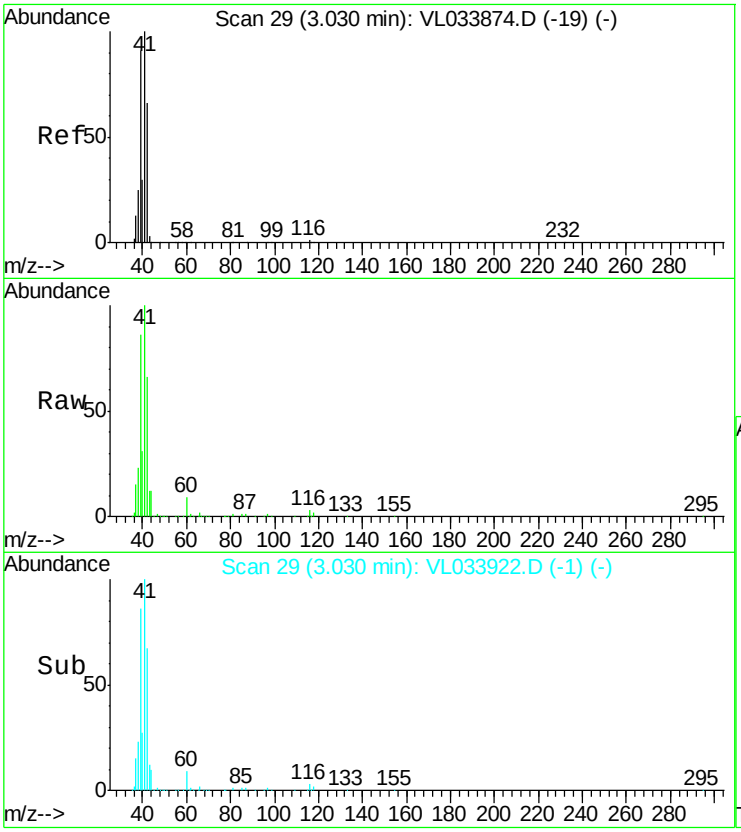


#4
Chloromethane
Concen: 0.035 ppbv
RT: 3.16 min Scan# 70
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 50 Resp: 2505

Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.4	38.0

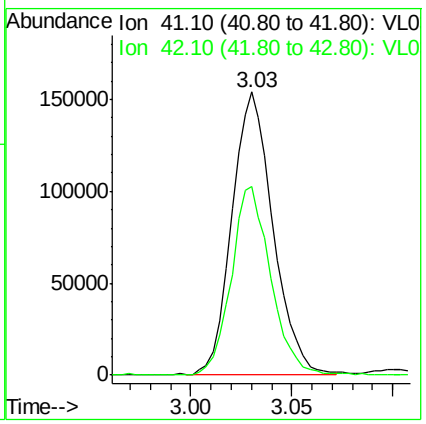




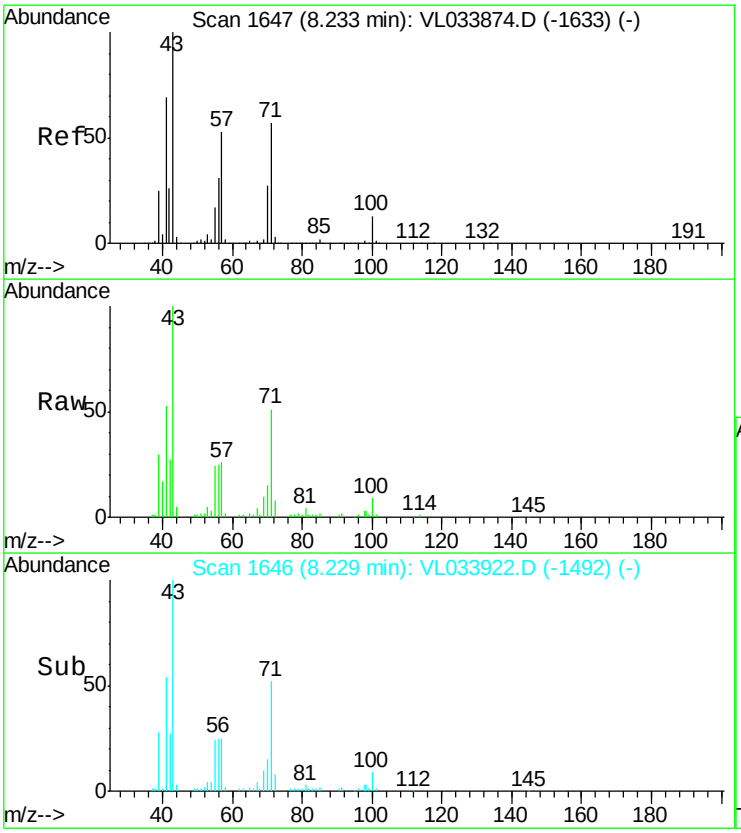
#9
Propene
Concen: 4.606 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 41 Resp: 218227

Ion	Ratio	Lower	Upper
41	100		
42	65.2	56.3	84.5



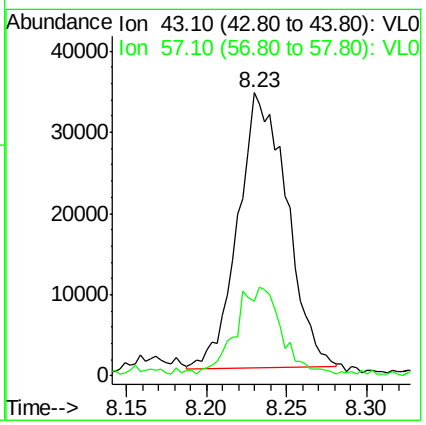
Instrument :
MSVOA_L
ClientSampleId :
V1DL

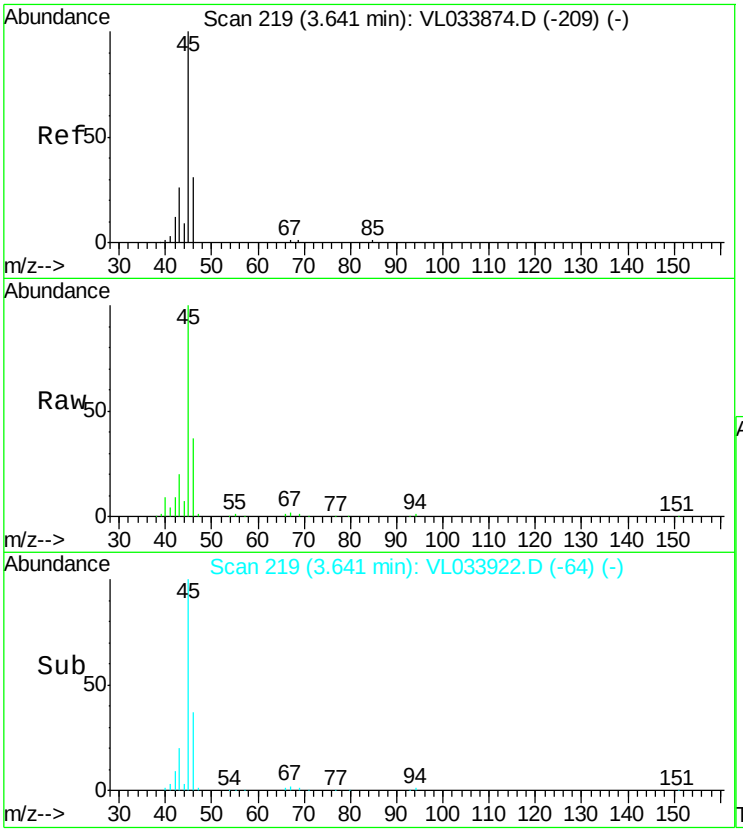


#10
Heptane
Concen: 0.594 ppbv
RT: 8.23 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 43 Resp: 71161

Ion	Ratio	Lower	Upper
43	100		
57	33.0	41.7	62.5#



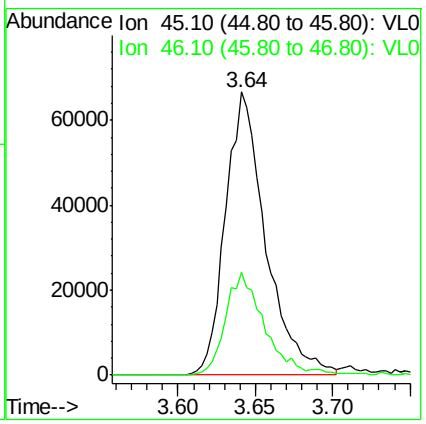


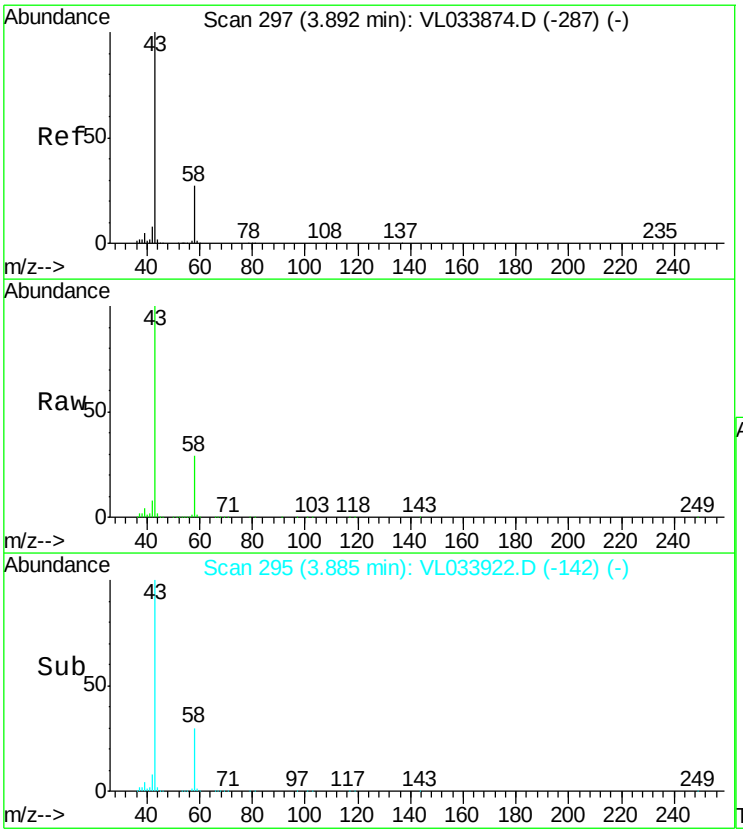
#13
Ethanol
Concen: 7.806 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument :
MSVOA_L
ClientSampleId :
V1DL

Tgt Ion: 45 Resp: 120323

Ion	Ratio	Lower	Upper
45	100		
46	35.4	15.3	61.1

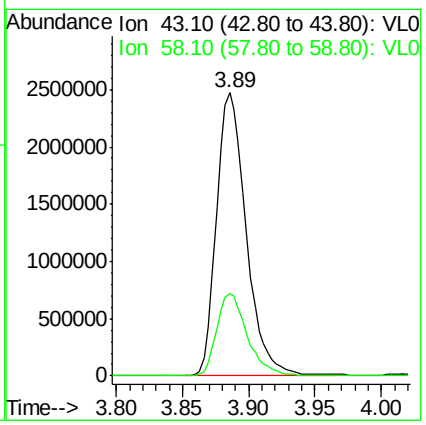


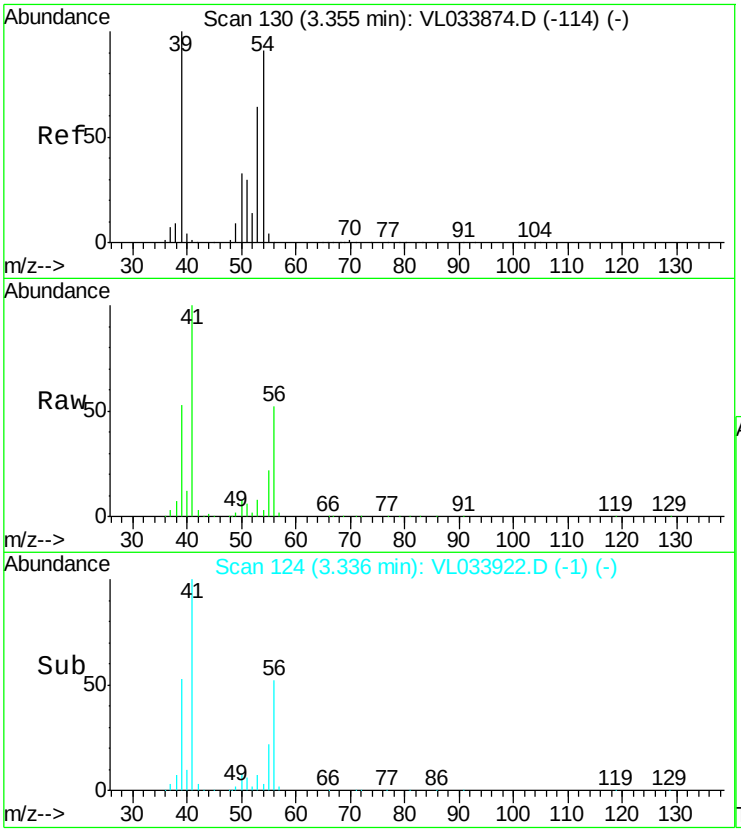


#15
Acetone
Concen: 24.572 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 43 Resp: 3854180

Ion	Ratio	Lower	Upper
43	100		
58	30.2	21.3	31.9



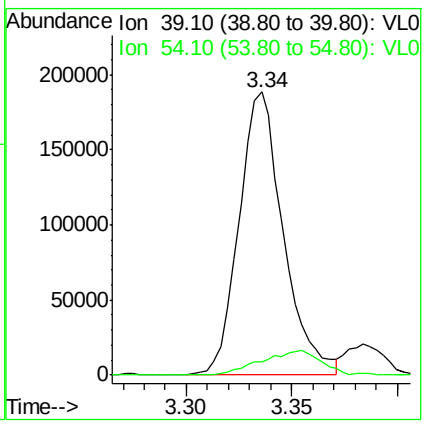


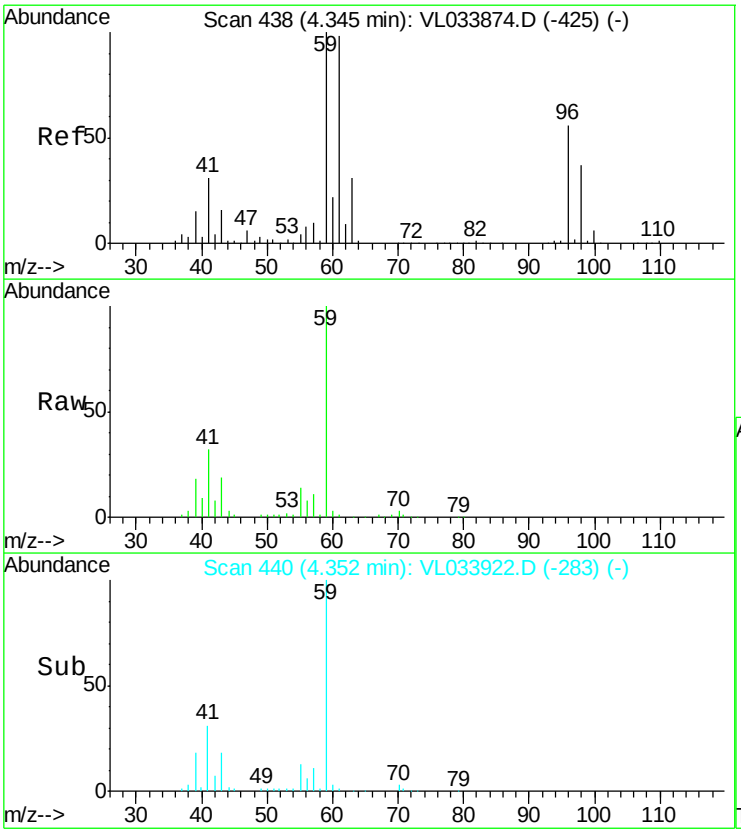
#16
1,3-Butadiene
Concen: 4.593 ppbv
RT: 3.34 min Scan# 124
Delta R.T. -0.02 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion: 39 Resp: 274234

Ion	Ratio	Lower	Upper
39	100		
54	12.1	68.6	103.0#

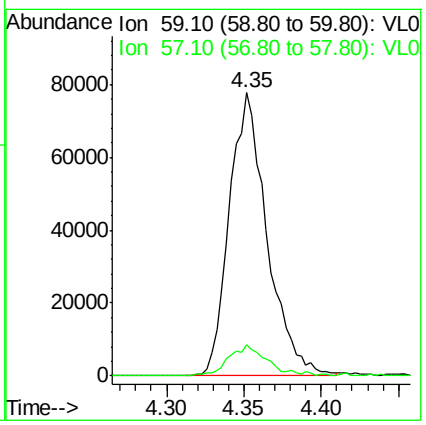


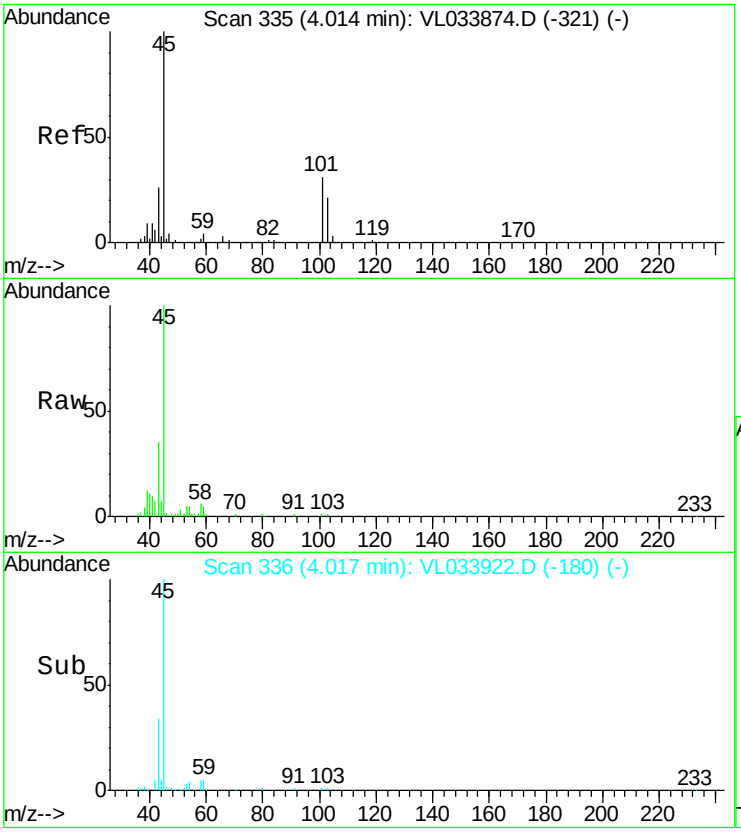


#17
tert-Butyl alcohol
Concen: 1.075 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 59 Resp: 131796

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.4	12.6



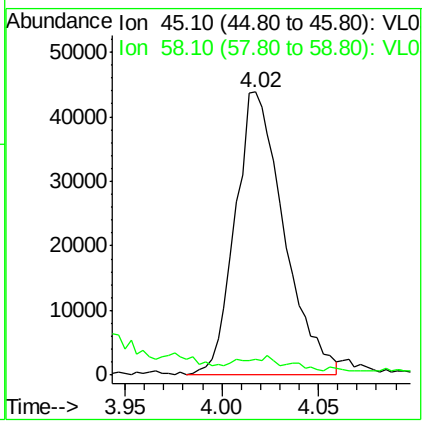


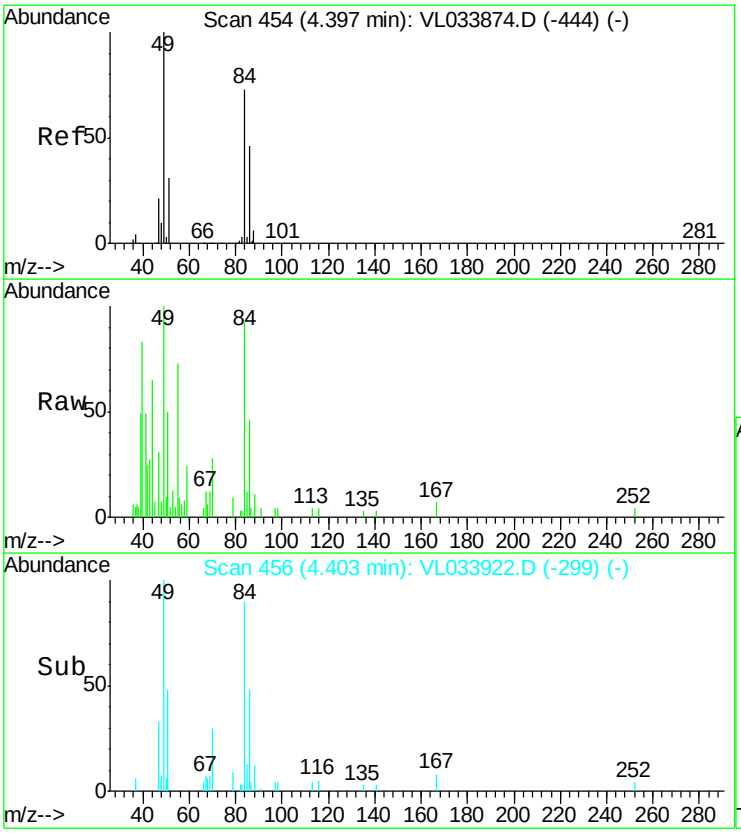
#19
Isopropyl Alcohol
Concen: 0.858 ppbv
RT: 4.02 min Scan# 336
Delta R.T. 0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion: 45 Resp: 76845

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.6#

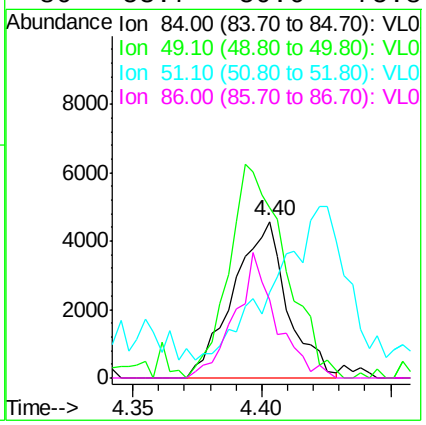


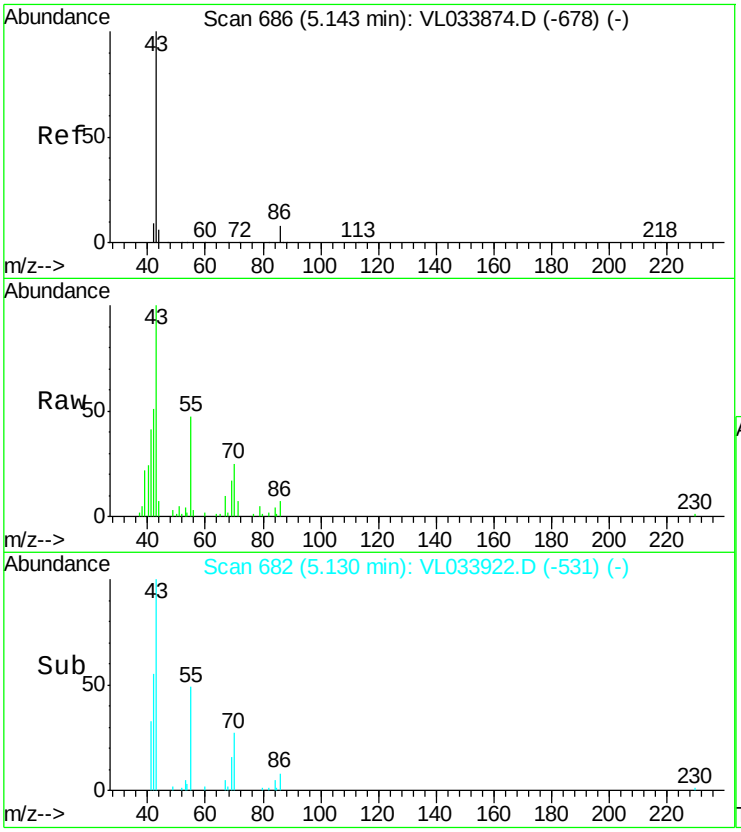


#20
Methylene Chloride
Concen: 0.109 ppbv
RT: 4.40 min Scan# 456
Delta R.T. 0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 84 Resp: 6690

Ion	Ratio	Lower	Upper
84	100		
49	108.8	110.0	165.0#
51	35.8	34.6	51.8
86	53.7	50.6	75.8



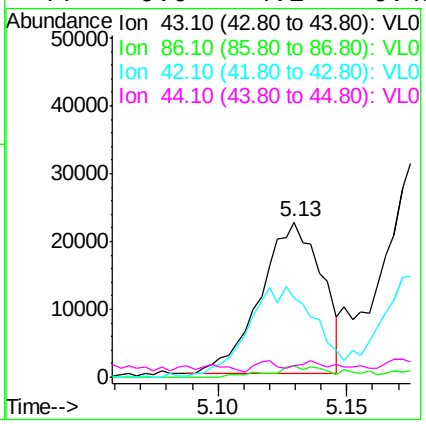


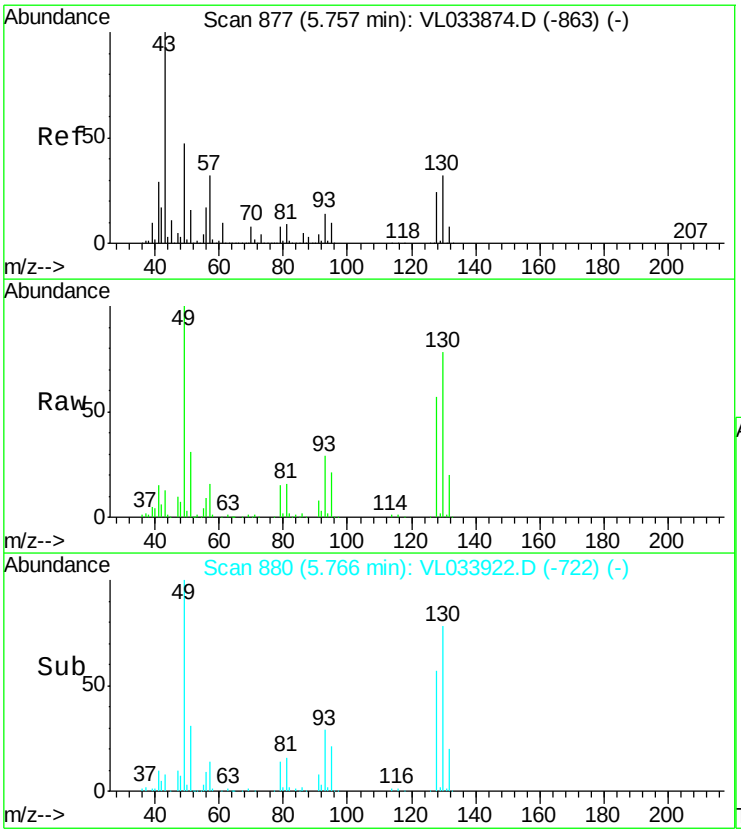
#23
Vinyl Acetate
Concen: 0.202 ppbv
RT: 5.13 min Scan# 682
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion: 43 Resp: 36758

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.8	8.8
42	51.3	7.8	11.8#
44	0.0	4.2	6.4#

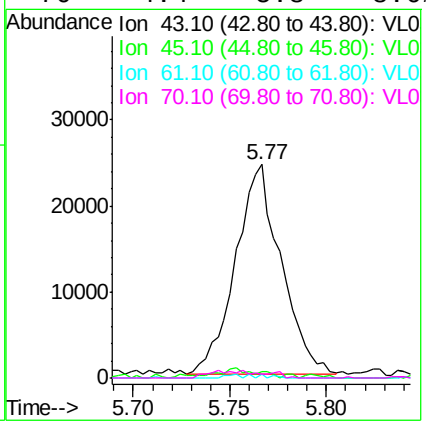


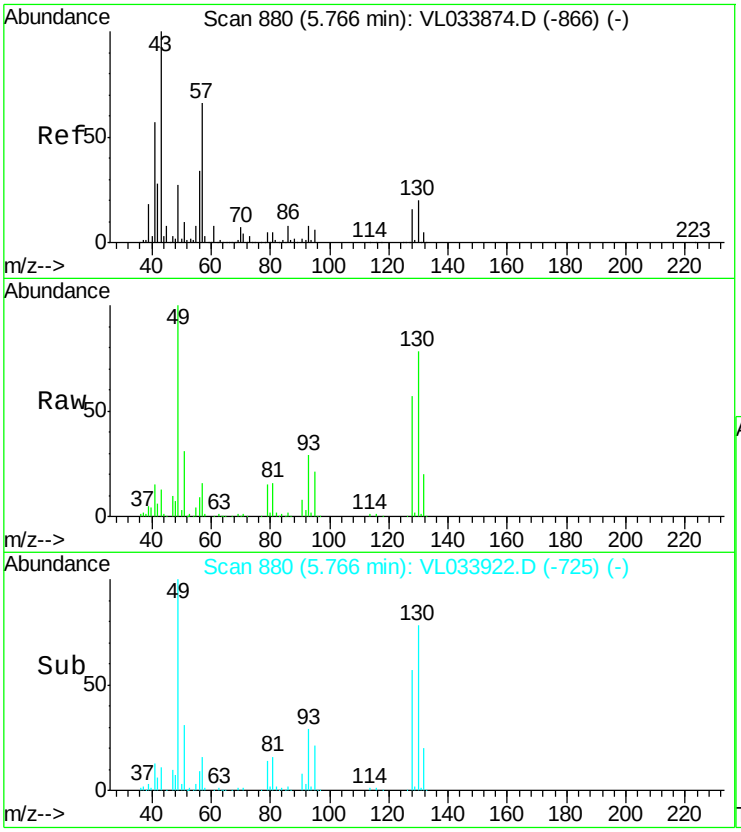


#25
Ethyl Acetate
Concen: 0.166 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 43 Resp: 39664

Ion	Ratio	Lower	Upper
43	100		
45	6.0	7.9	11.9#
61	1.2	7.8	11.6#
70	4.4	5.8	8.6#



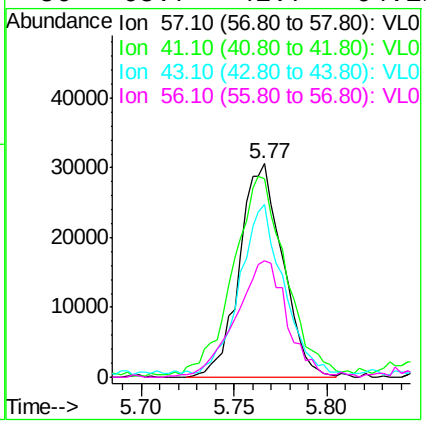


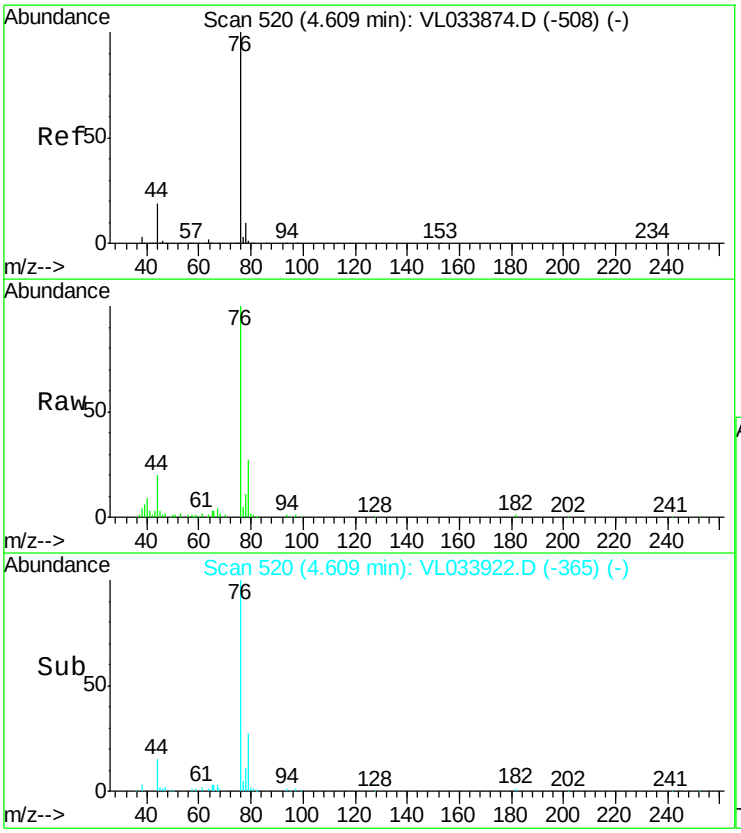
#26
Hexane
Concen: 0.455 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion: 57 Resp: 49520

Ion	Ratio	Lower	Upper
57	100		
41	114.5	71.4	107.2#
43	84.7	183.7	275.5#
56	65.7	42.7	64.1#

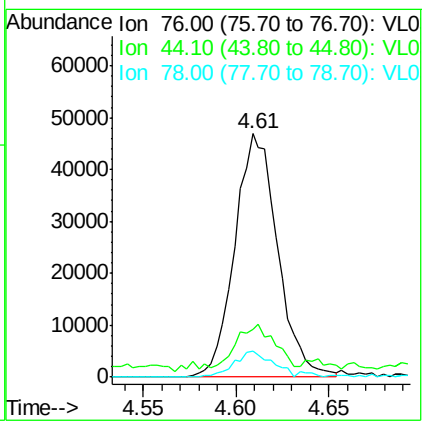


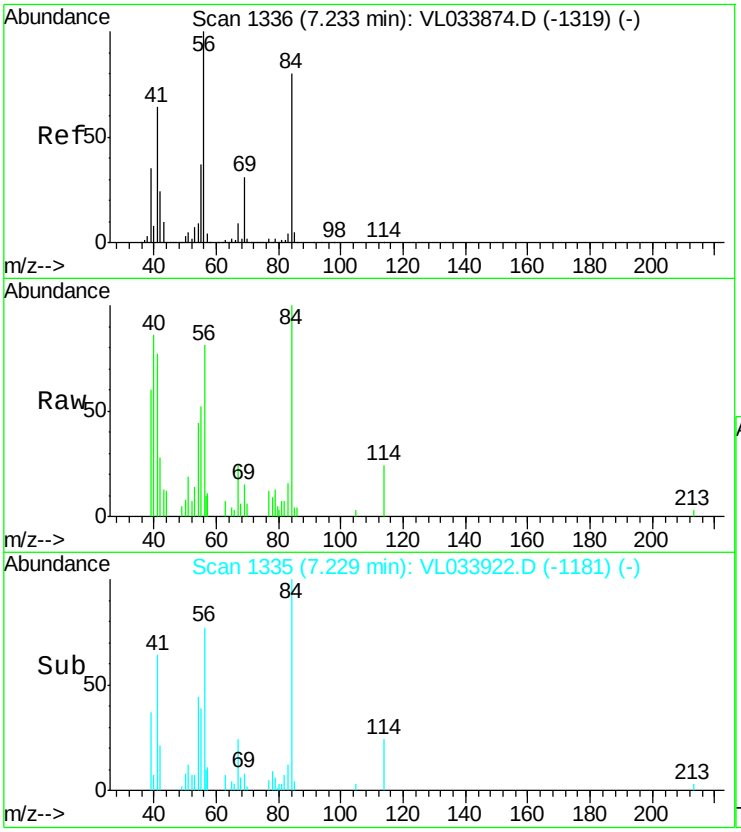


#27
Carbon Disulfide
Concen: 0.499 ppbv
RT: 4.61 min Scan# 520
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 76 Resp: 75366

Ion	Ratio	Lower	Upper
76	100		
44	23.5	14.4	21.6#
78	10.7	7.5	11.3



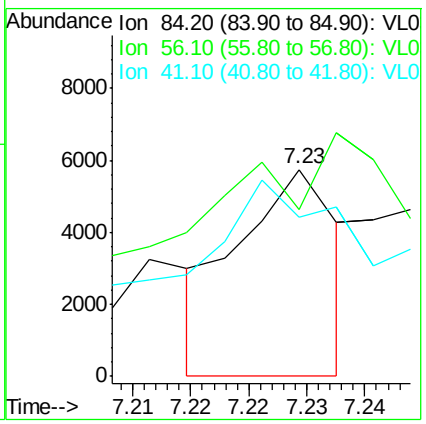


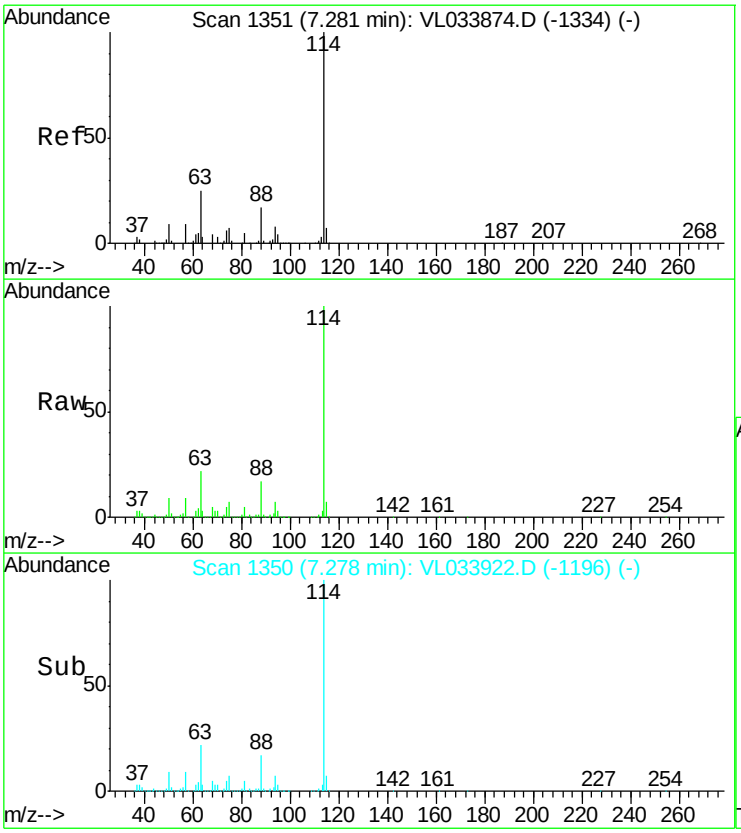
#30
Cyclohexane
Concen: 0.044 ppbv
RT: 7.23 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion: 84 Resp: 3399

Ion	Ratio	Lower	Upper
84	100		
56	0.0	105.8	158.8#
41	367.2	65.7	98.5#

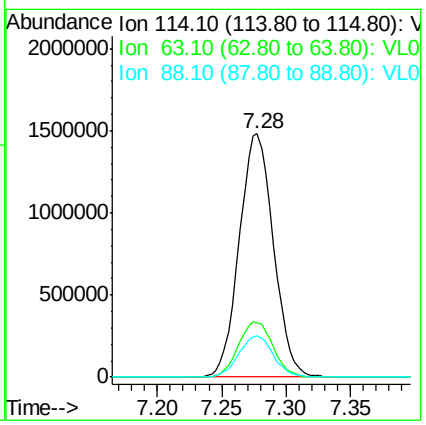


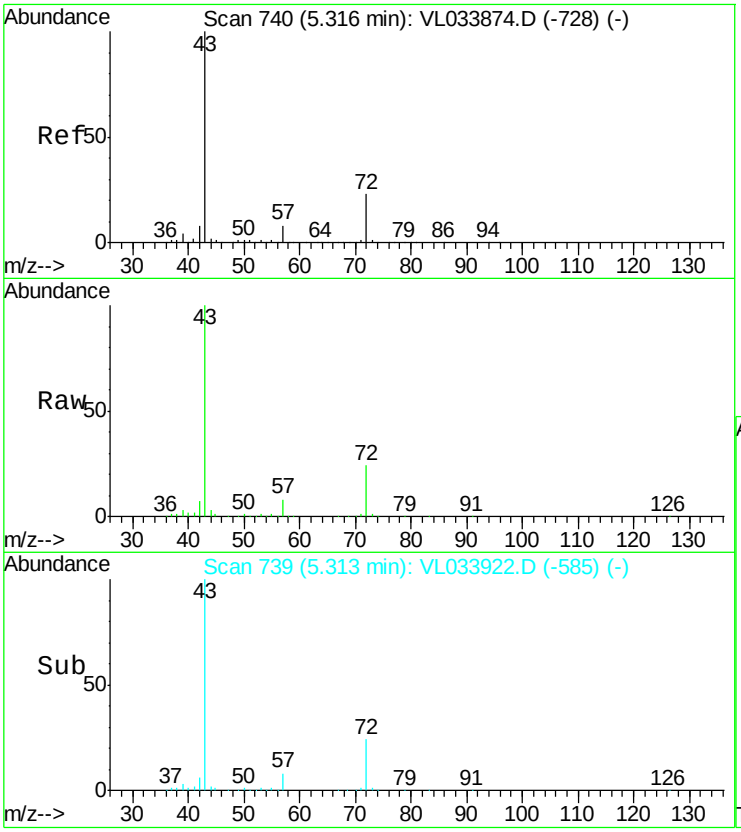


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion:114 Resp: 2740706

Ion	Ratio	Lower	Upper
114	100		
63	23.2	21.1	31.7
88	17.1	14.2	21.4



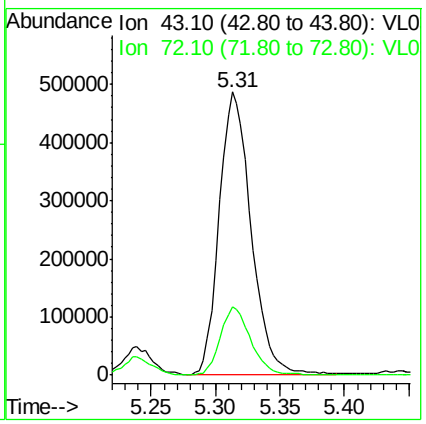


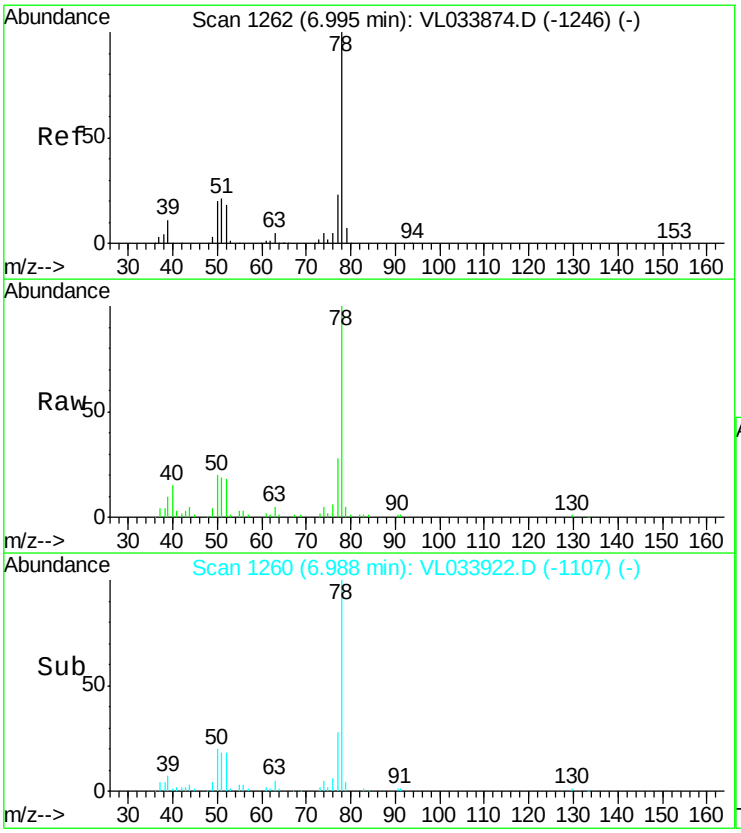
#34
2-Butanone
Concen: 5.363 ppbv
RT: 5.31 min Scan# 739
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument :
MSVOA_L
ClientSampleId :
V1DL

Tgt Ion: 43 Resp: 829153

Ion	Ratio	Lower	Upper
43	100		
72	23.2	17.9	26.9

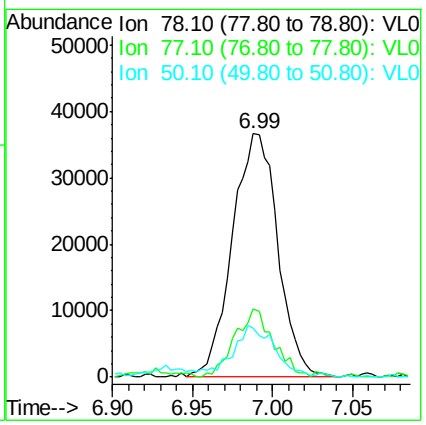


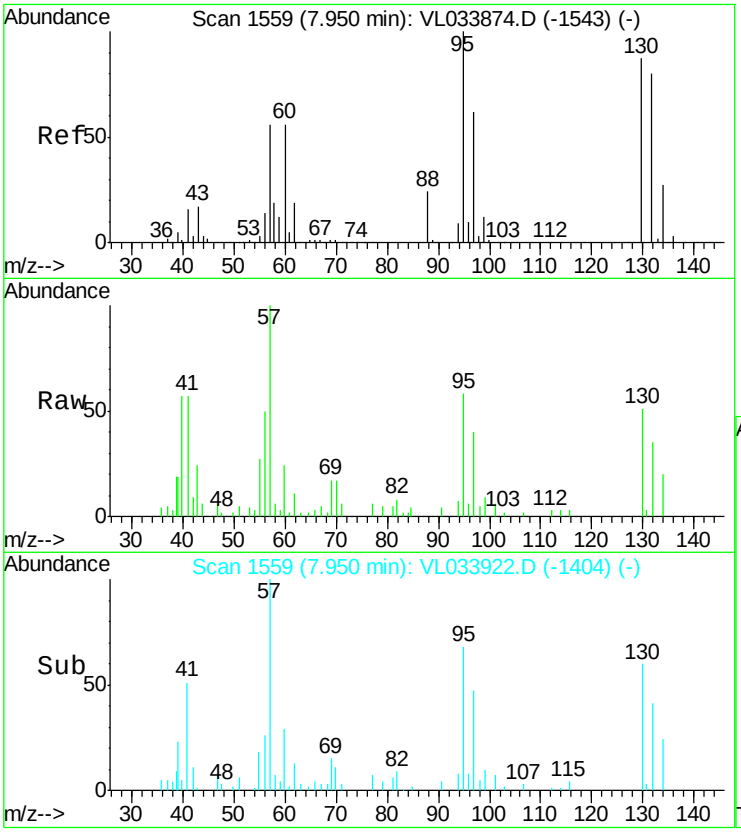


#36
Benzene
Concen: 0.339 ppbv
RT: 6.99 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 78 Resp: 70873

Ion	Ratio	Lower	Upper
78	100		
77	28.2	18.2	27.2#
50	20.1	15.9	23.9



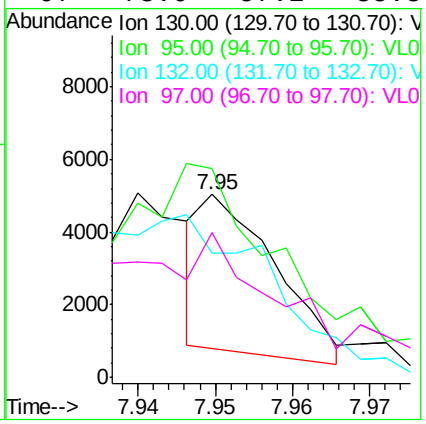


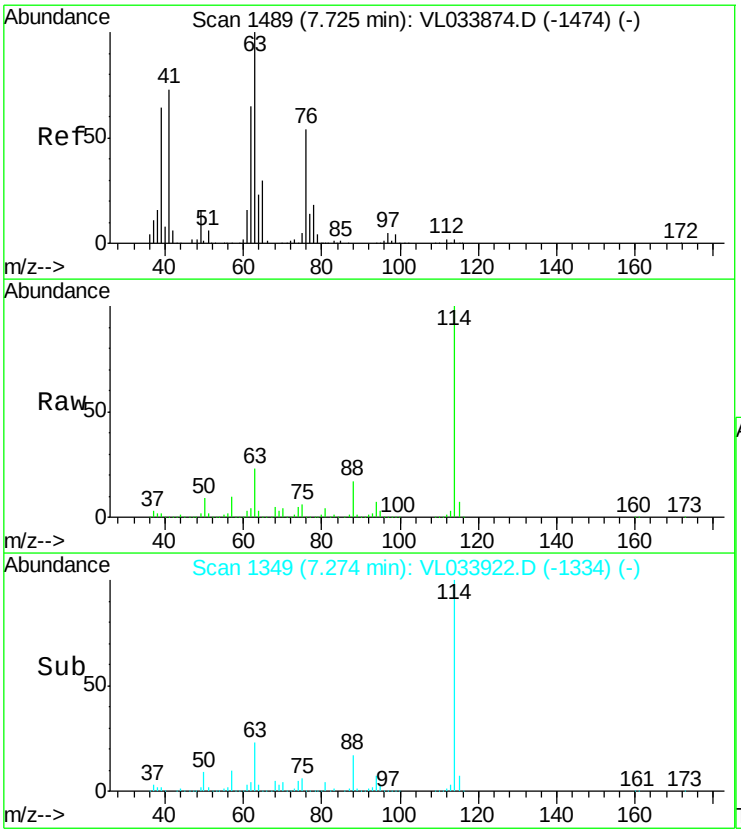
#38
Trichloroethene
Concen: 0.035 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion:130 Resp: 2861

Ion	Ratio	Lower	Upper
130	100		
95	94.5	92.0	138.0
132	52.8	73.8	110.8#
97	73.0	57.2	85.8

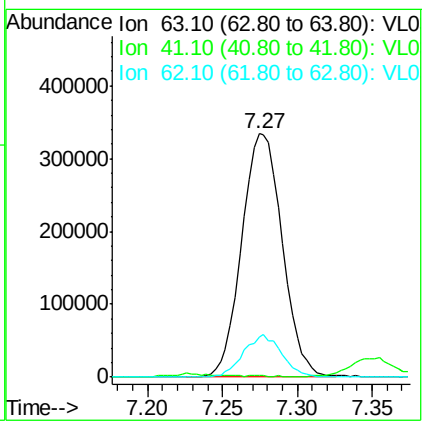


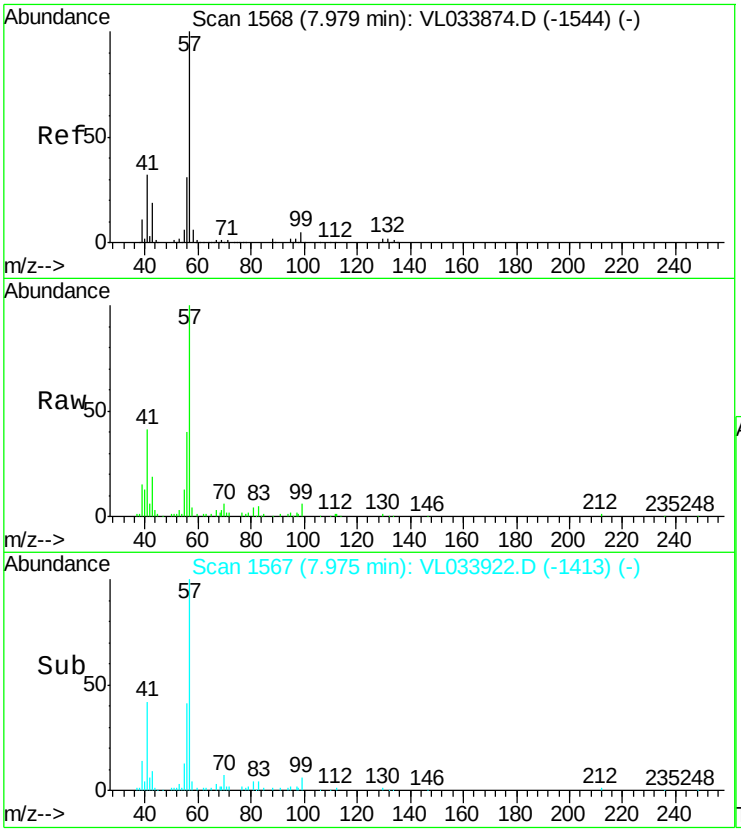


#39
1,2-Dichloropropane
Concen: 7.782 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.45 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 63 Resp: 628835

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.7	88.1#
62	16.3	51.9	77.9#



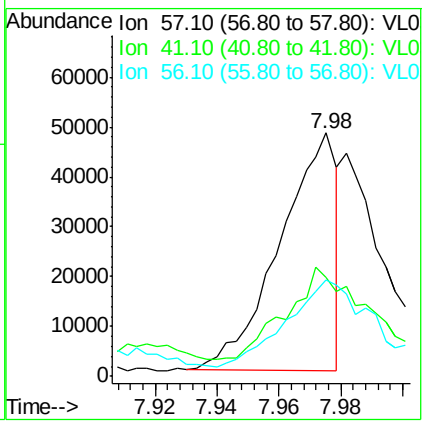


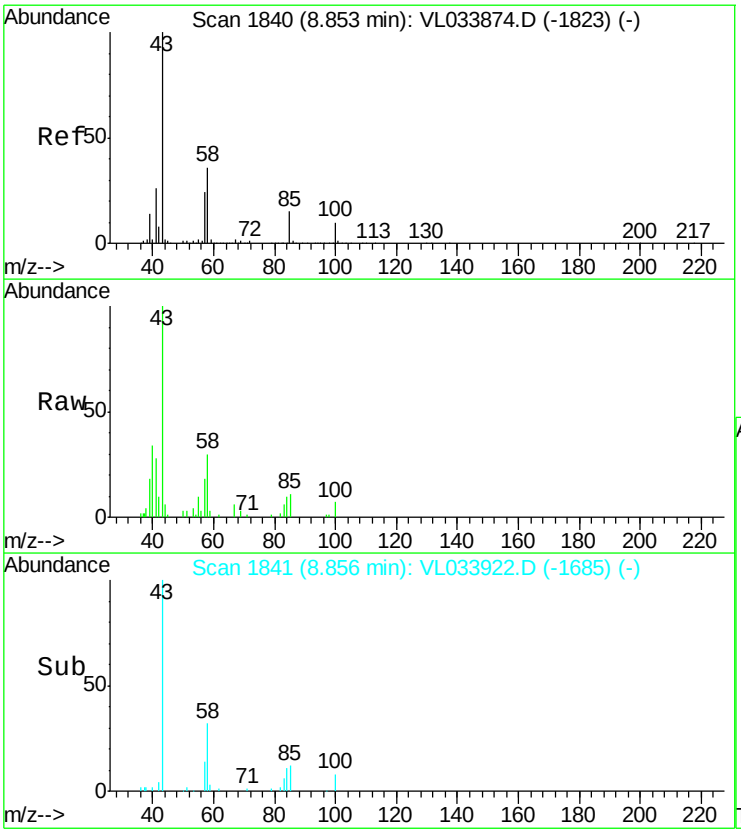
#44
2,2,4-Trimethylpentane
Concen: 0.164 ppbv
RT: 7.98 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument :
MSVOA_L
ClientSampleId :
V1DL

Tgt Ion: 57 Resp: 60896

Ion	Ratio	Lower	Upper
57	100		
41	74.9	26.1	39.1#
56	67.1	24.6	36.8#

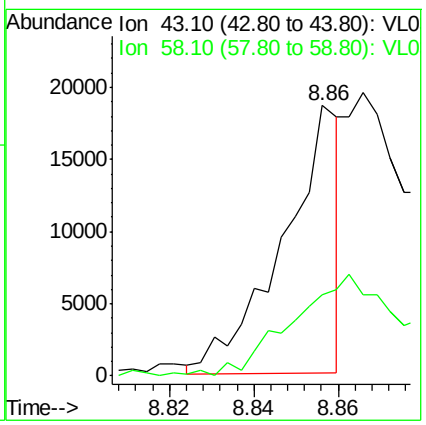


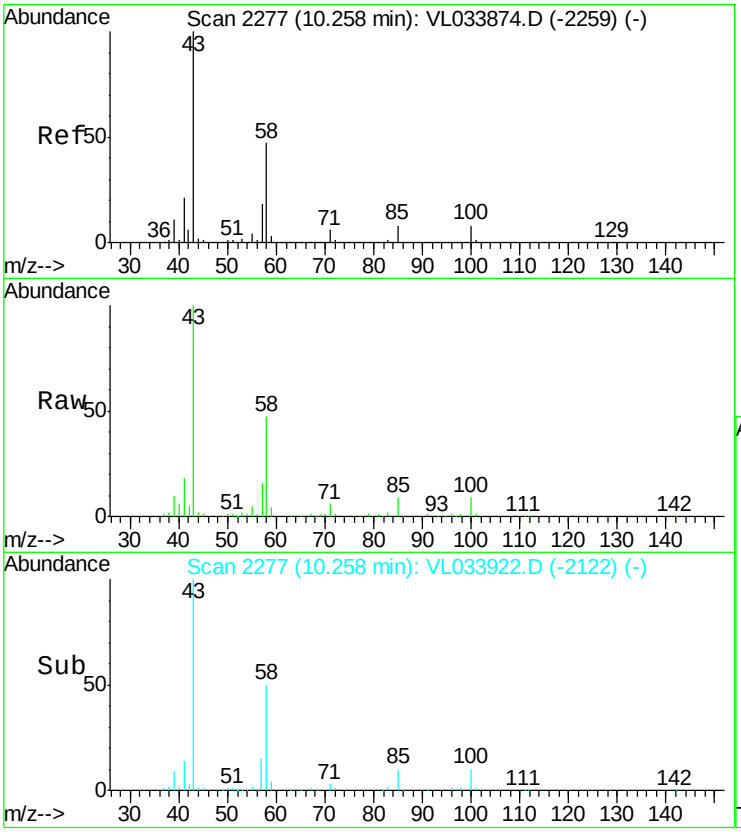


#50
4-Methyl-2-Pentanone
Concen: 0.075 ppbv
RT: 8.86 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 43 Resp: 17196

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.6	42.8#



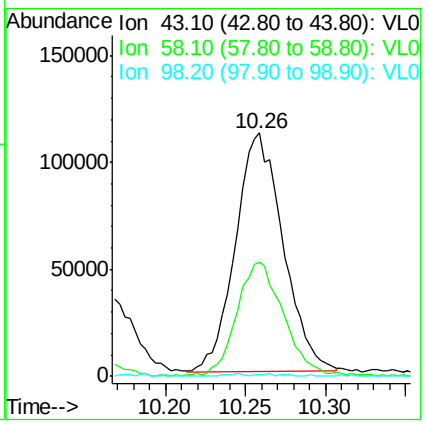


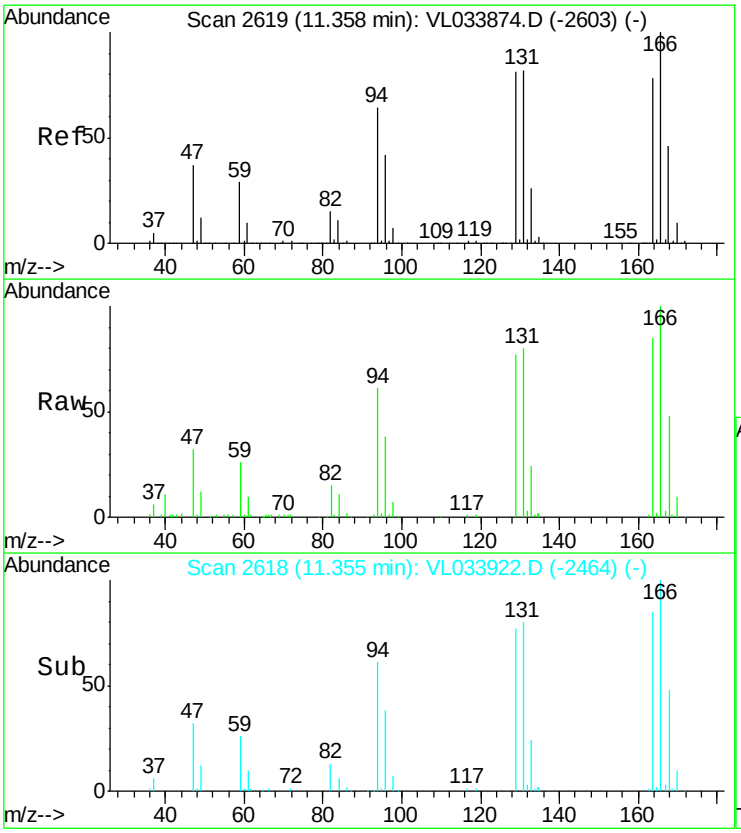
#51
2-Hexanone
Concen: 1.258 ppbv
RT: 10.26 min Scan# 2277
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion: 43 Resp: 226574

Ion	Ratio	Lower	Upper
43	100		
58	47.0	38.2	57.4
98	1.2	0.2	0.2#

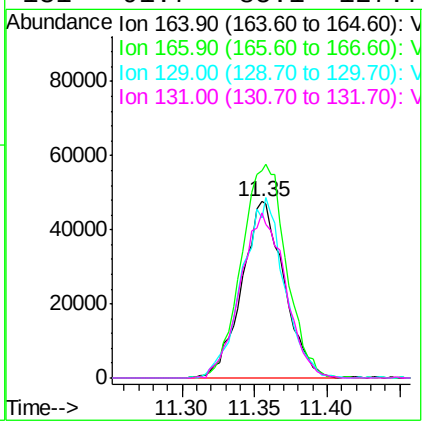


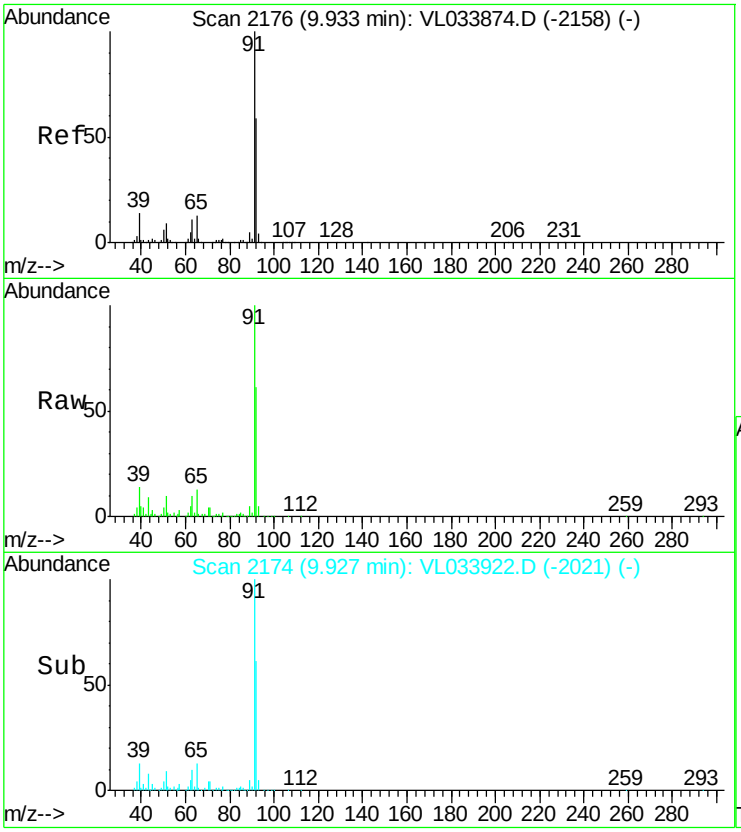


#52
Tetrachloroethene
Concen: 1.307 ppbv
RT: 11.35 min Scan# 2618
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion:164 Resp: 96304

Ion	Ratio	Lower	Upper
164	100		
166	115.0	103.1	154.7
129	88.8	83.9	125.9
131	91.7	85.1	127.7



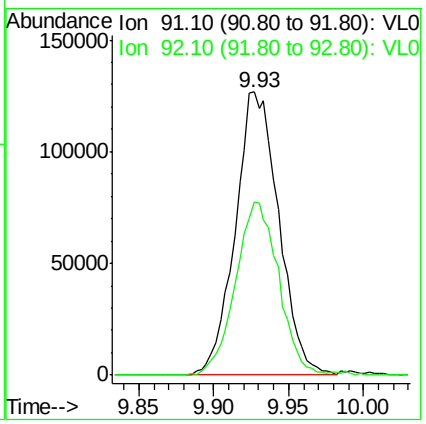


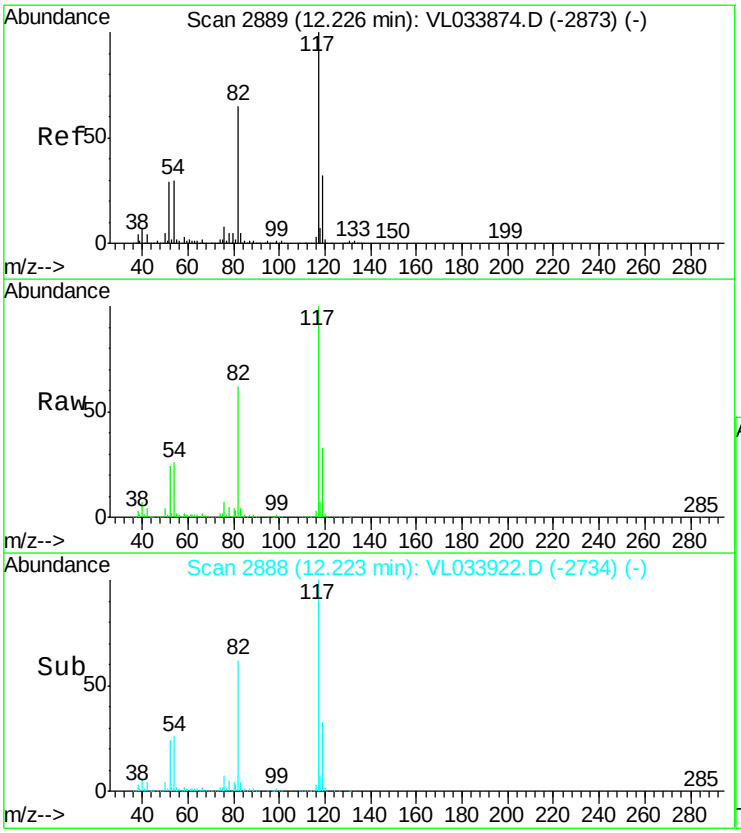
#53
Toluene
Concen: 1.099 ppbv
RT: 9.93 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion: 91 Resp: 254680

Ion	Ratio	Lower	Upper
91	100		
92	61.4	47.0	70.6

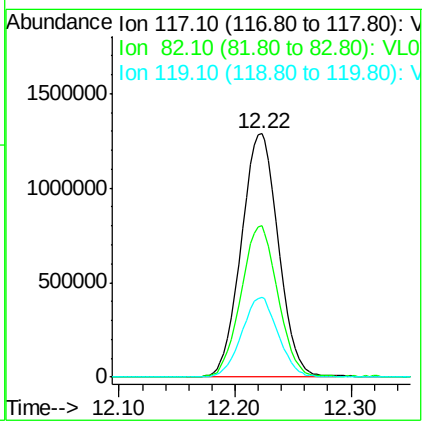


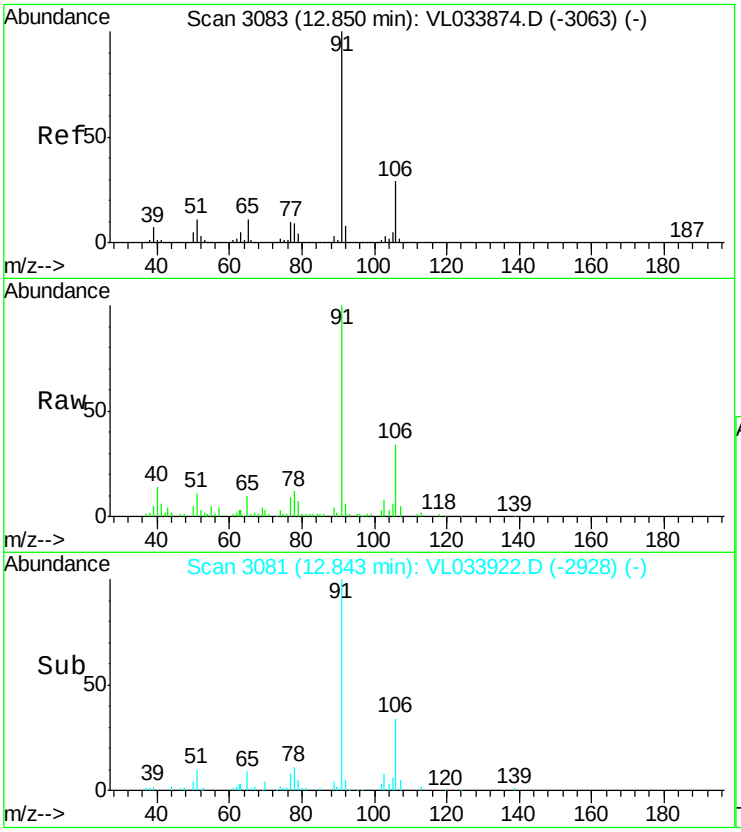


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion:117 Resp: 2871090

Ion	Ratio	Lower	Upper
117	100		
82	61.8	50.2	75.2
119	32.3	24.8	37.2



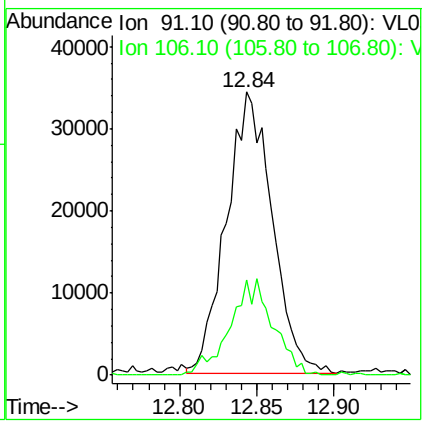


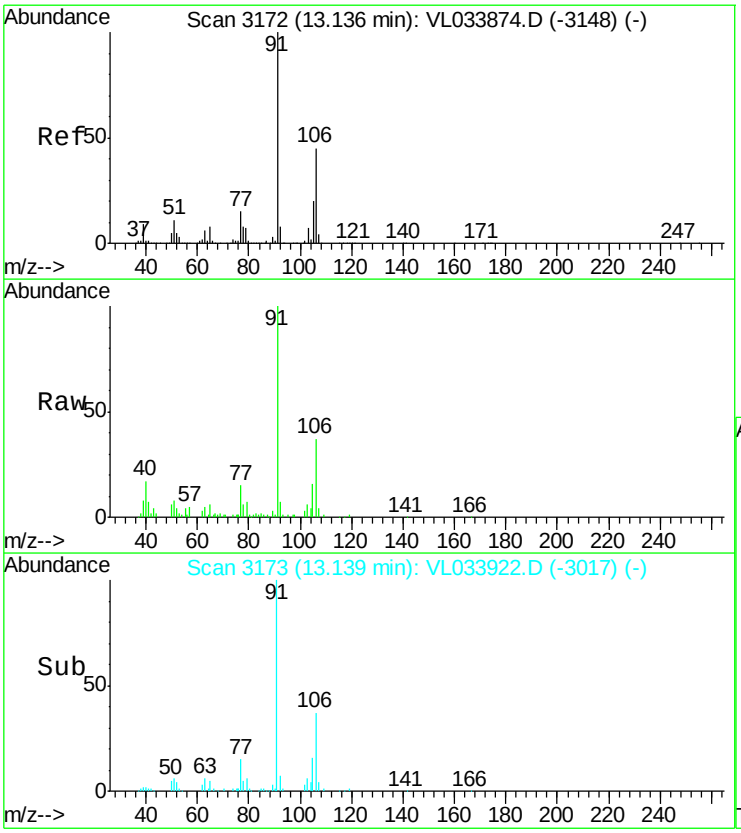
#58
Ethyl Benzene
Concen: 0.218 ppbv
RT: 12.84 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument :
MSVOA_L
ClientSampleId :
V1DL

Tgt Ion: 91 Resp: 70717

Ion	Ratio	Lower	Upper
91	100		
106	33.7	23.0	34.6

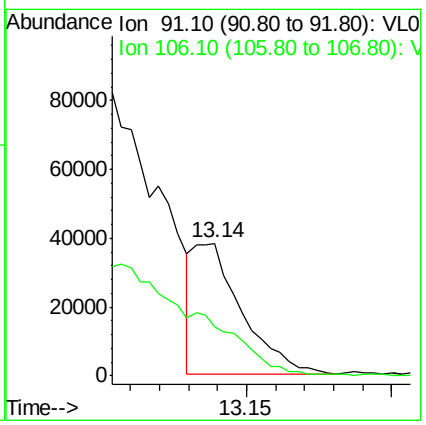


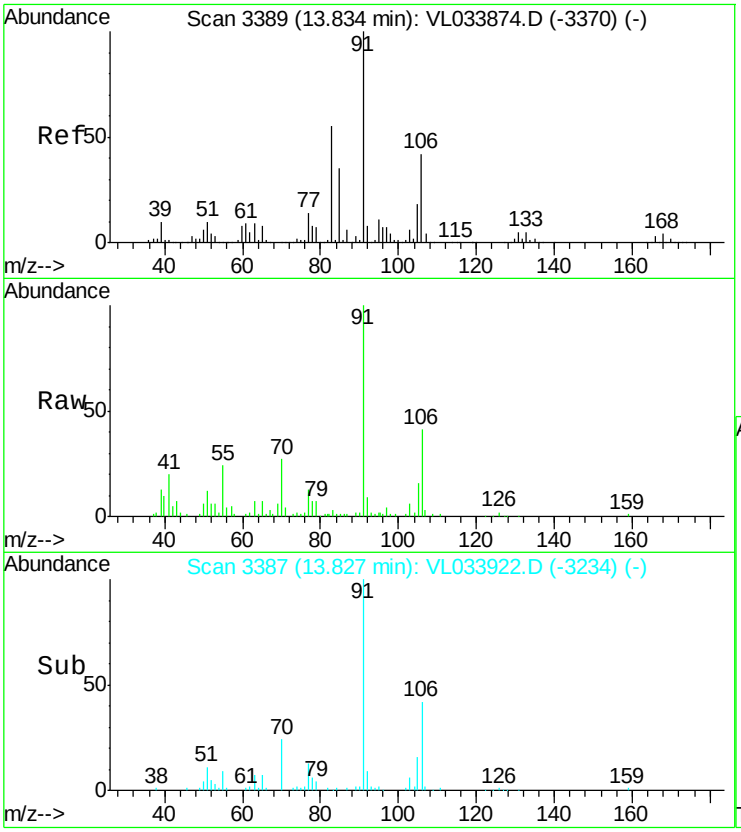


#59
m/p-Xylene
Concen: 0.148 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. 0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion: 91 Resp: 43573

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.8#



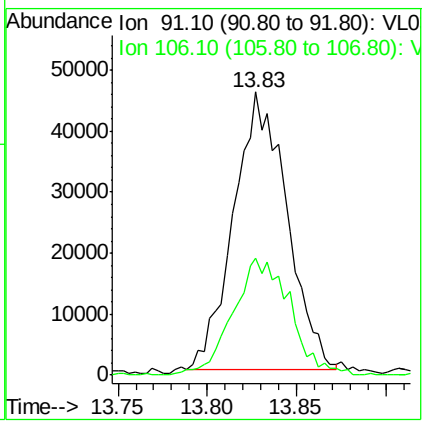


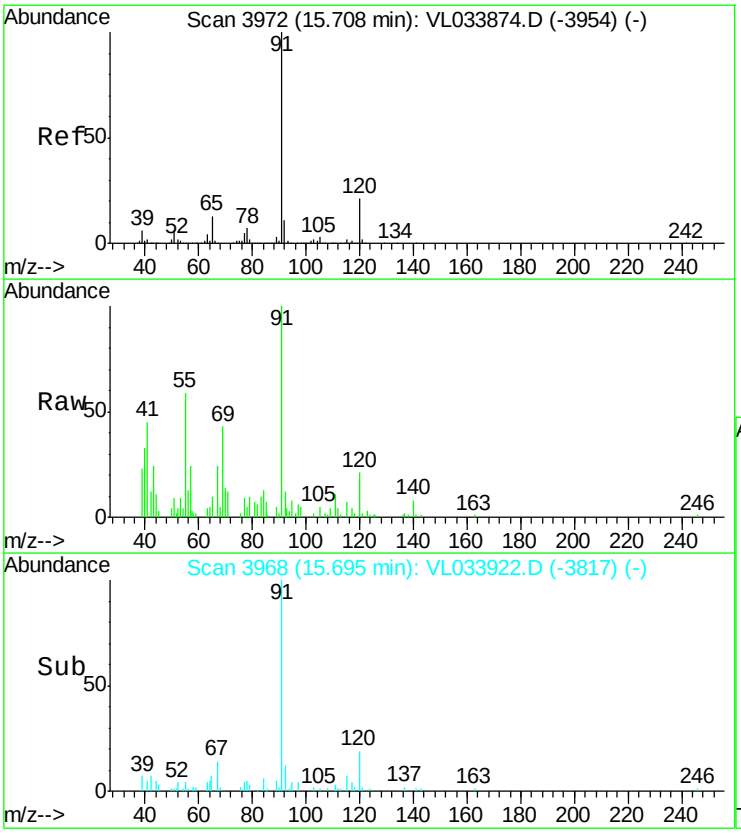
#60
o-Xylene
Concen: 0.311 ppbv
RT: 13.83 min Scan# 3387
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument :
MSVOA_L
ClientSampleId :
V1DL

Tgt Ion: 91 Resp: 94526

Ion	Ratio	Lower	Upper
91	100		
106	45.2	21.7	65.1

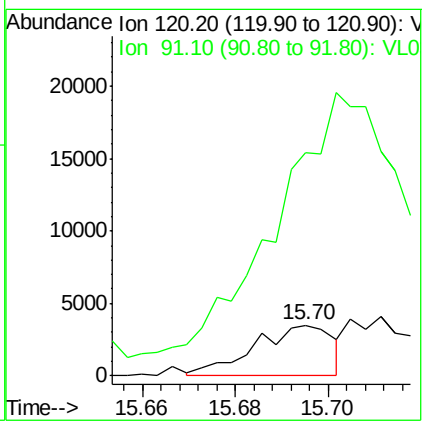


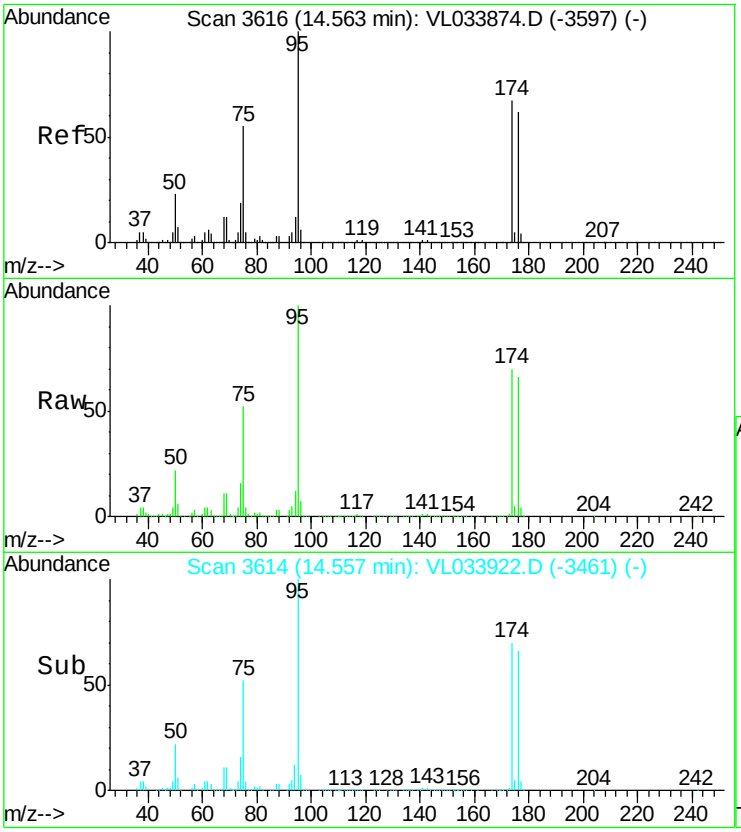


#64
n-propylbenzene
Concen: 0.039 ppbv
RT: 15.70 min Scan# 3968
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion:120 Resp: 4128

Ion	Ratio	Lower	Upper
120	100		
91	1105.7	387.0	580.6#



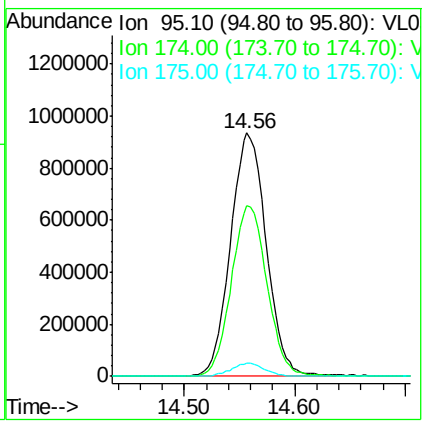


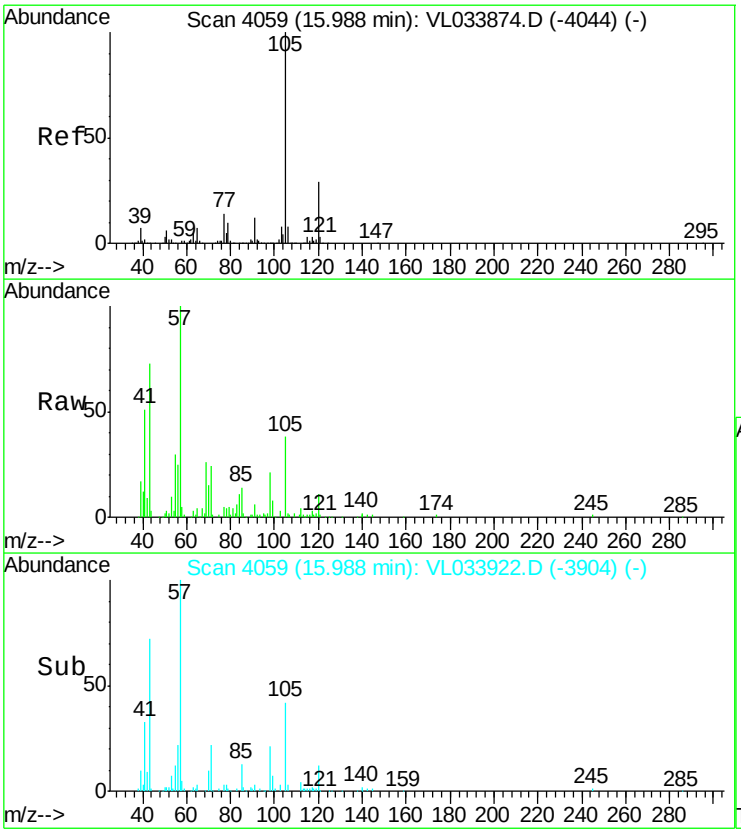
#68
1-Bromo-4-Fluorobenzene
Concen: 8.907 ppbv
RT: 14.56 min Scan# 3614
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument : MSVOA_L
ClientSampleId : V1DL

Tgt Ion: 95 Resp: 2100407

Ion	Ratio	Lower	Upper
95	100		
174	70.4	54.0	81.0
175	5.2	3.8	5.8

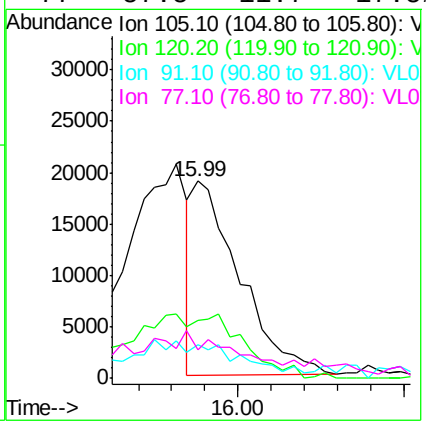


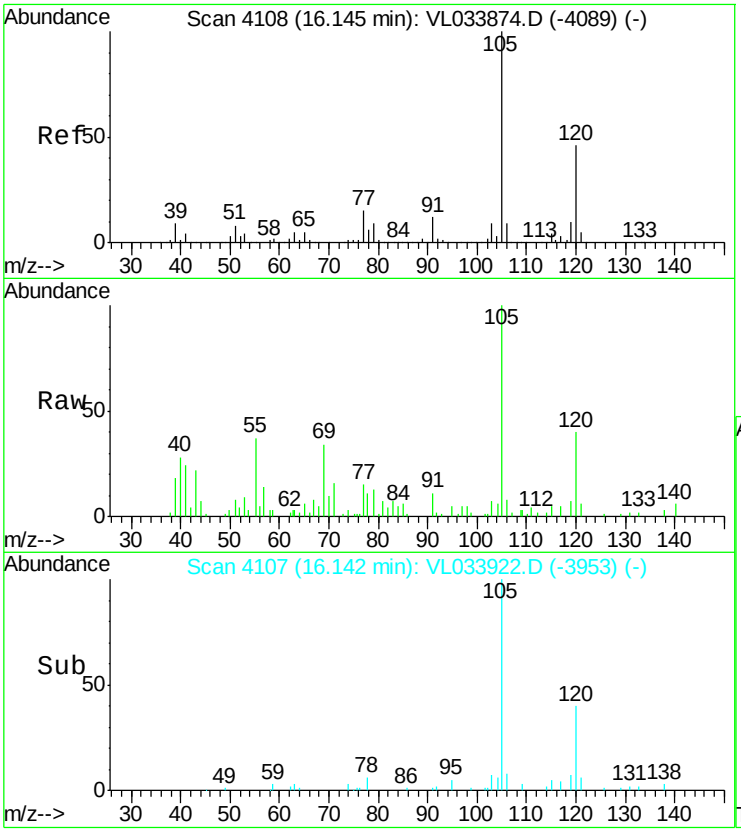


#72
4-Ethyltoluene
Concen: 0.053 ppbv
RT: 15.99 min Scan# 4059
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion:105 Resp: 18460

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.5	35.3#
91	0.0	10.4	15.6#
77	57.5	11.7	17.5#



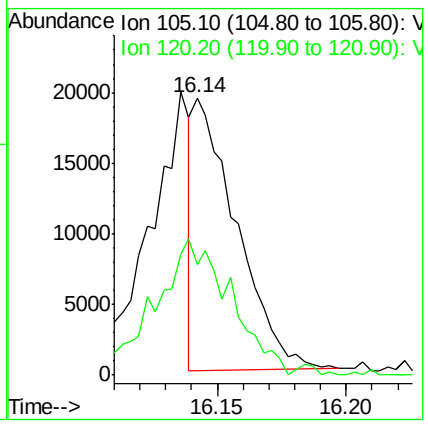


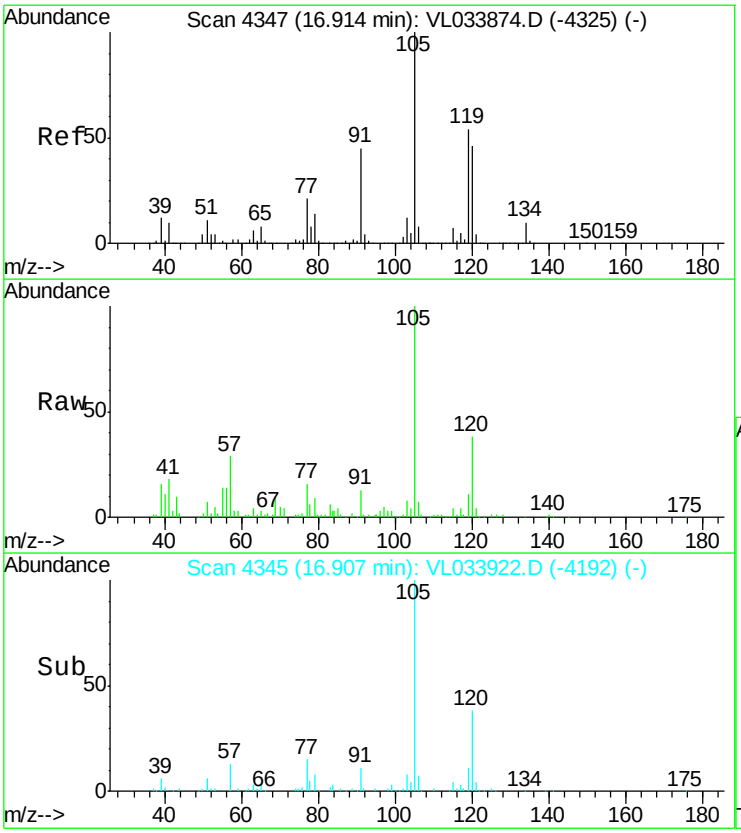
#73
1,3,5-Trimethylbenzene
Concen: 0.065 ppbv
RT: 16.14 min Scan# 4107
Delta R.T. -0.00 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Instrument :
MSVOA_L
ClientSampleId :
V1DL

Tgt Ion:105 Resp: 22023

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.1	55.7





#74
1,2,4-Trimethylbenzene
Concen: 0.398 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL033922.D
Acq: 14 Jun 2019 7:27

Tgt Ion:105 Resp: 156370

Ion	Ratio	Lower	Upper
105	100		
120	38.6	36.7	55.1
91	11.8	35.8	53.8#
77	13.9	16.9	25.3#