Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

Quantitation Report (Not Reviewed)

Data File : VL033573.D
Acq On : 10 Apr 2019 20:58
Operator : SY/AP
Sample : K2301-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA1

Quant Time: Apr 11 03:46:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	889271	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2089158	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2065892	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1671192	10.32	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	32663	0.252	ppbv		94
3) Chlorodifluoromethane	3.01	51	134526	1.314	ppbv	#	86
4) Chloromethane	3.17	50	23568	0.435	ppbv		93
9) Propene	3.04	41	75099	1.747	ppbv		85
10) Heptane	8.24	43	6884	0.060	ppbv	#	36
11) Trichlorofluoromethane	4.01	101	31201	0.195	ppbv		90
12) 1,1,2-Trichlorotrifluoroet	4.56	101	7652	0.071	ppbv		94
13) Ethanol	3.65	45	337612	30.345	ppbv		66
15) Acetone	3.90	43	409619	3.831	ppbv		95
16) 1,3-Butadiene	3.36	39	3209	0.076	ppbv	#	1
17) tert-Butyl alcohol	4.38	59	5660	0.288	ppbv	#	73
19) Isopropyl Alcohol	4.03	45	80431	1.189	ppbv	#	92
20) Methylene Chloride	4.41	84	116362	2.564	ppbv		87
21) Allyl Chloride	4.44	41	2295	0.034	ppbv	#	1
23) Vinyl Acetate	5.14	43	21152	0.139	ppbv	#	19
25) Ethyl Acetate	5.78	43	77507	0.391	ppbv	#	86
26) Hexane	5.78	57	88385	1.002	ppbv	#	44
29) Chloroform	5.85	83	10140	0.067	ppbv		90
30) Cyclohexane	7.25	84	2130	0.031	ppbv	#	1
34) 2-Butanone	5.34	43	37405	0.298	ppbv		99
36) Benzene	7.00	78	112080	0.639	ppbv	#	93
39) 1,2-Dichloropropane	7.29	63	549312	8.000	ppbv	#	24
43) Methyl Methacrylate	8.14	69	2376	0.033	ppbv	#	16
44) 2,2,4-Trimethylpentane	7.99	57	122201	0.399	ppbv	#	85
52) Tetrachloroethene	11.37	164	124470	1.882	ppbv		97
53) Toluene	9.94	91	342725	1.682	ppbv		98
58) Ethyl Benzene	12.87	91	33141	0.120	ppbv		96
59) m/p-Xylene	13.14	91	48156	0.195	ppbv	#	100
60) o-Xylene	13.84	91	26249	0.110	ppbv	#	33
73) 1,3,5-Trimethylbenzene	16.15	105	15150	0.059	ppbv		90
74) 1,2,4-Trimethylbenzene	16.93	105	84413	0.307	ppbv	#	69
80) Naphthalene,2-methyl-	25.12	142	4183	0.053	ppbv		97

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

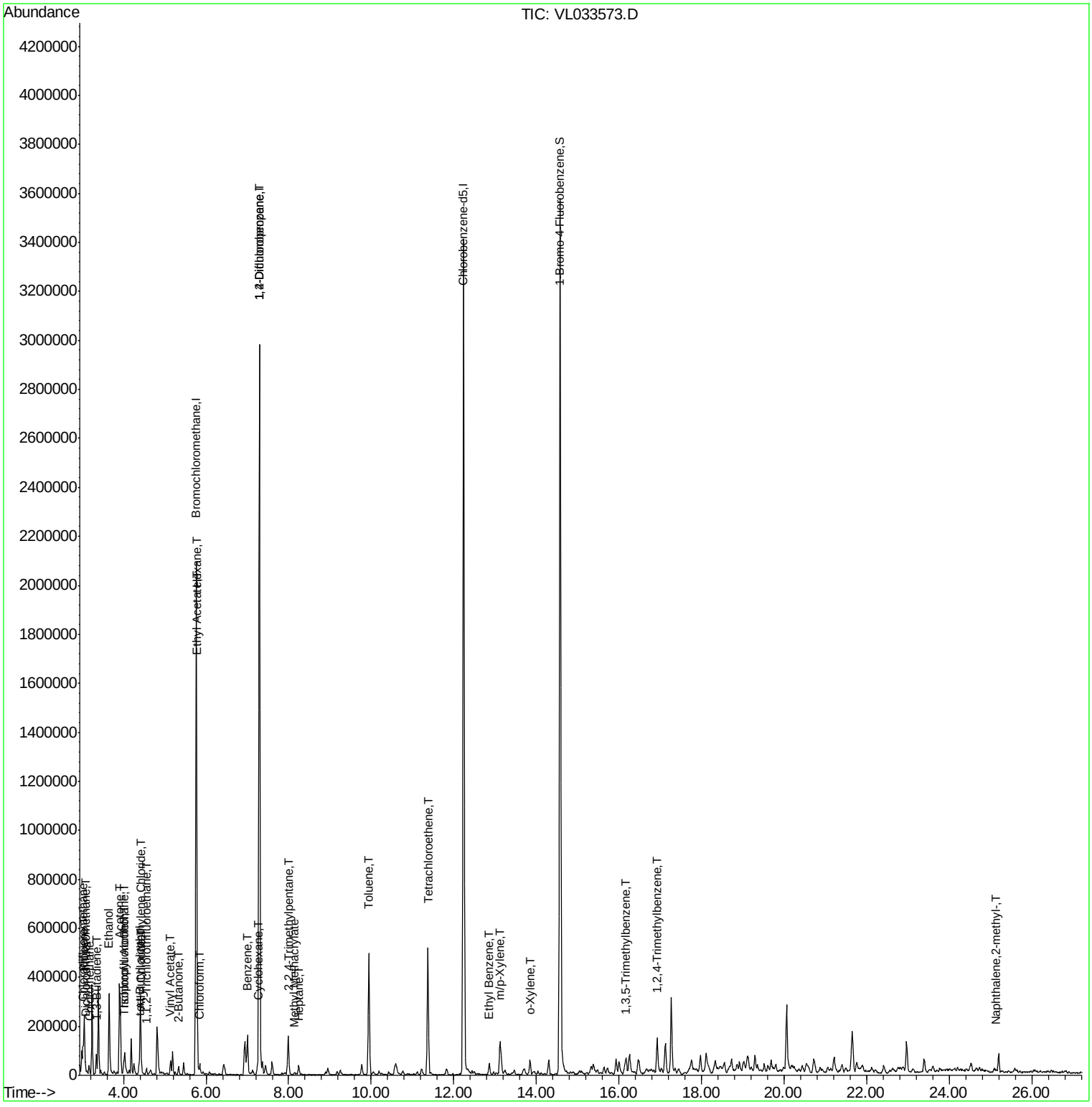
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

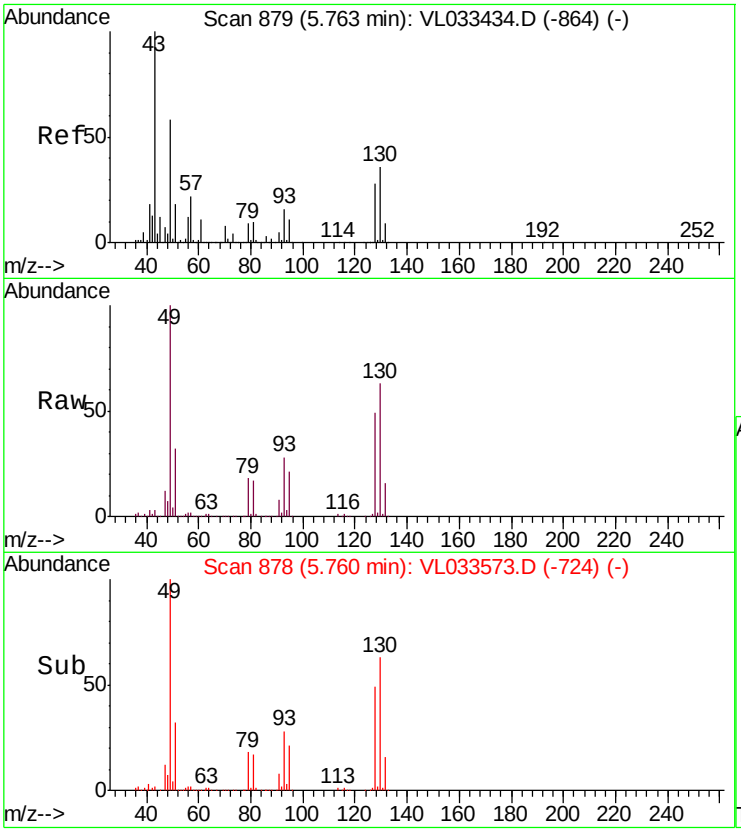
Quantitation Report (Not Reviewed)

Data File : VL033573.D
Acq On : 10 Apr 2019 20:58
Operator : SY/AP
Sample : K2301-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA1

Quant Time: Apr 11 03:46:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



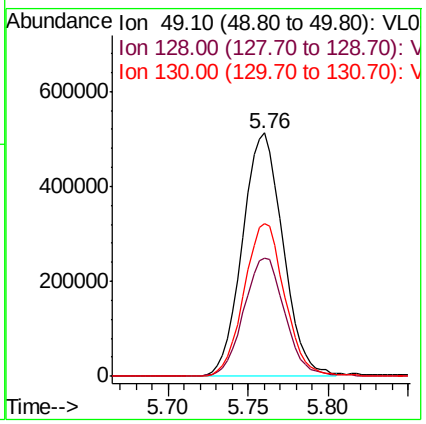


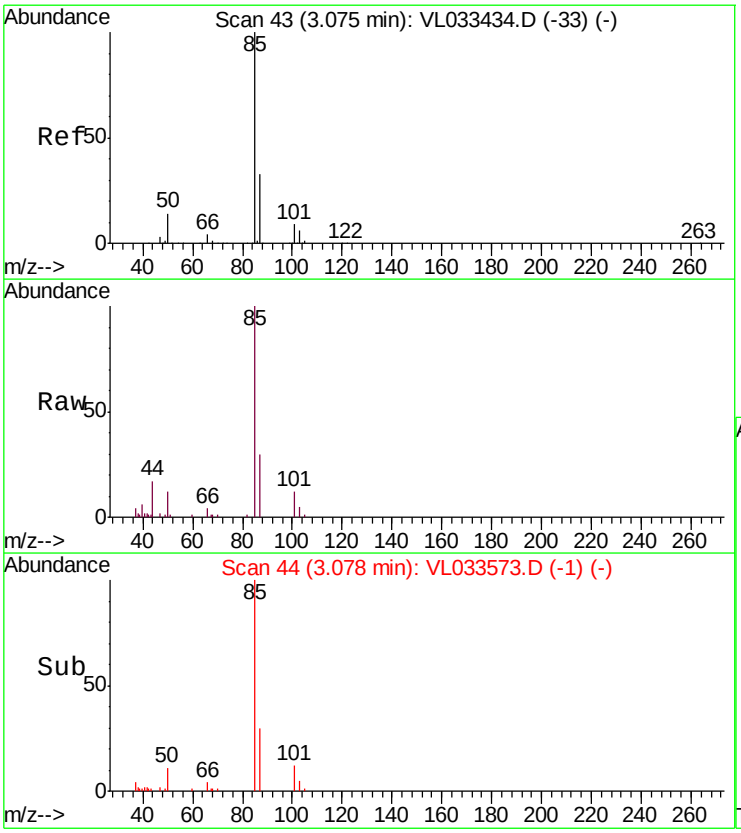
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 889271

Ion	Ratio	Lower	Upper
49	100		
128	49.5	24.0	72.0
130	63.2	31.2	93.6

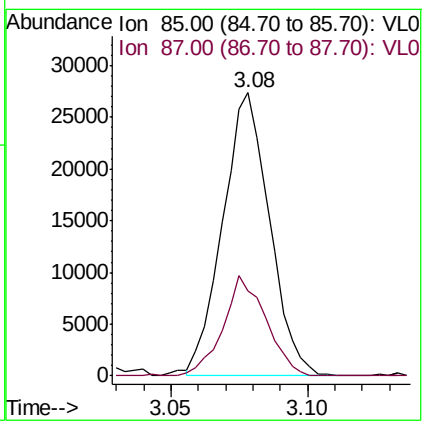


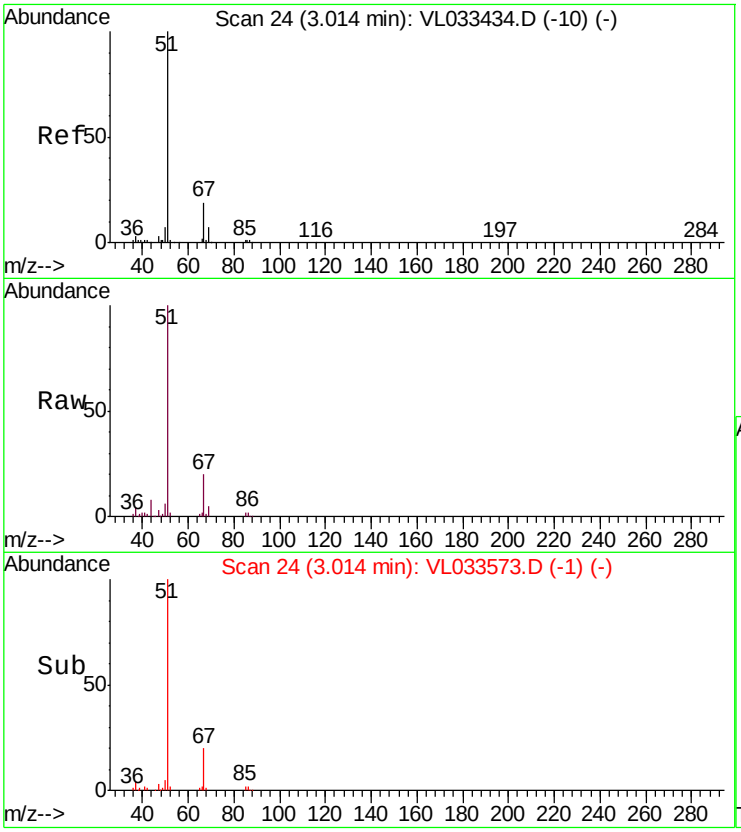


#2
Dichlorodifluoromethane
Concen: 0.252 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 85 Resp: 32663

Ion	Ratio	Lower	Upper
85	100		
87	30.0	26.7	40.1



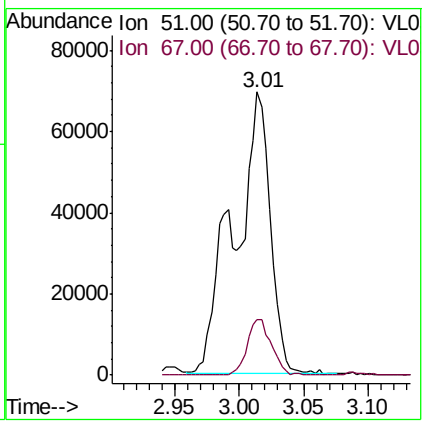


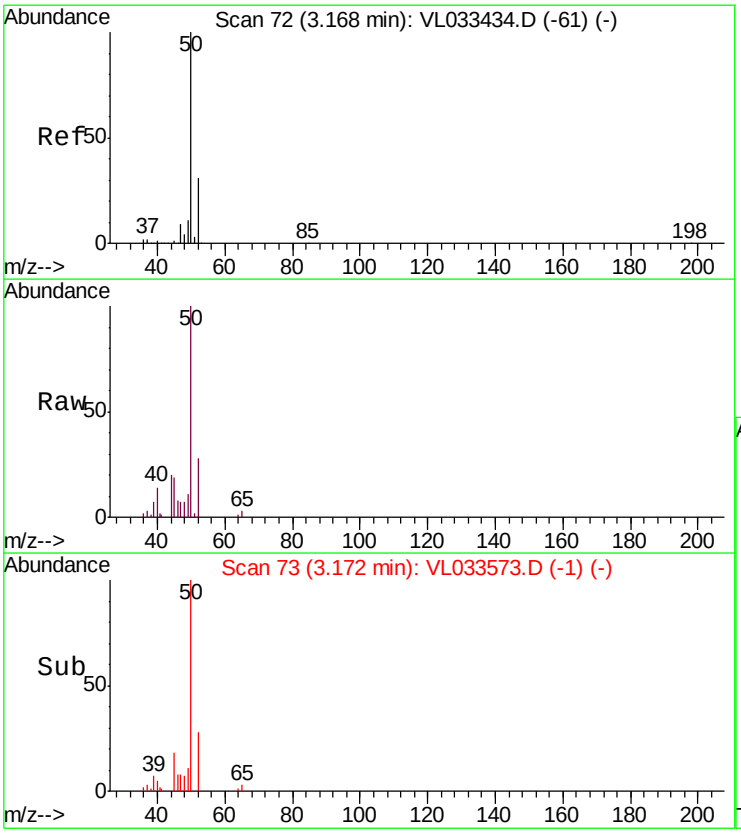
#3
Chlorodifluoromethane
Concen: 1.314 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 51 Resp: 134526

Ion	Ratio	Lower	Upper
51	100		
67	13.3	15.7	23.5#

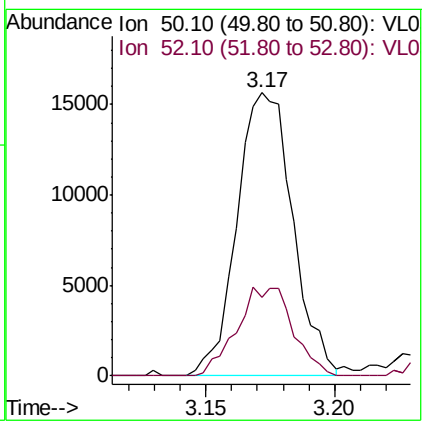


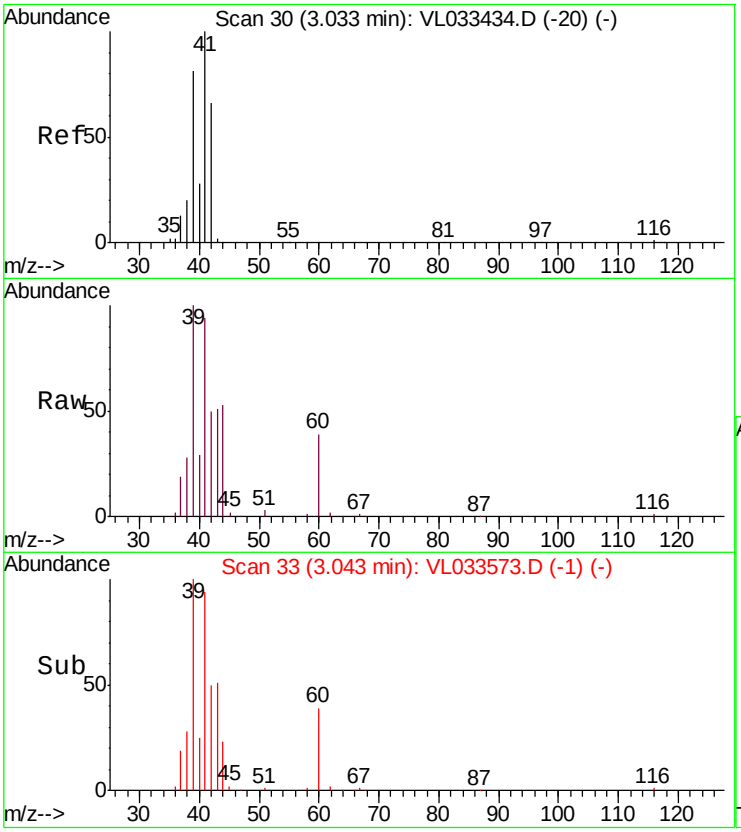


#4
Chloromethane
Concen: 0.435 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 50 Resp: 23568

Ion	Ratio	Lower	Upper
50	100		
52	27.6	25.0	37.6



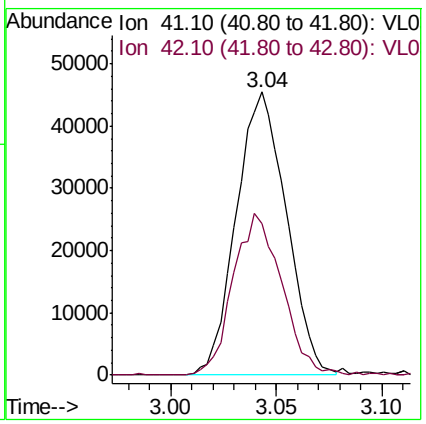


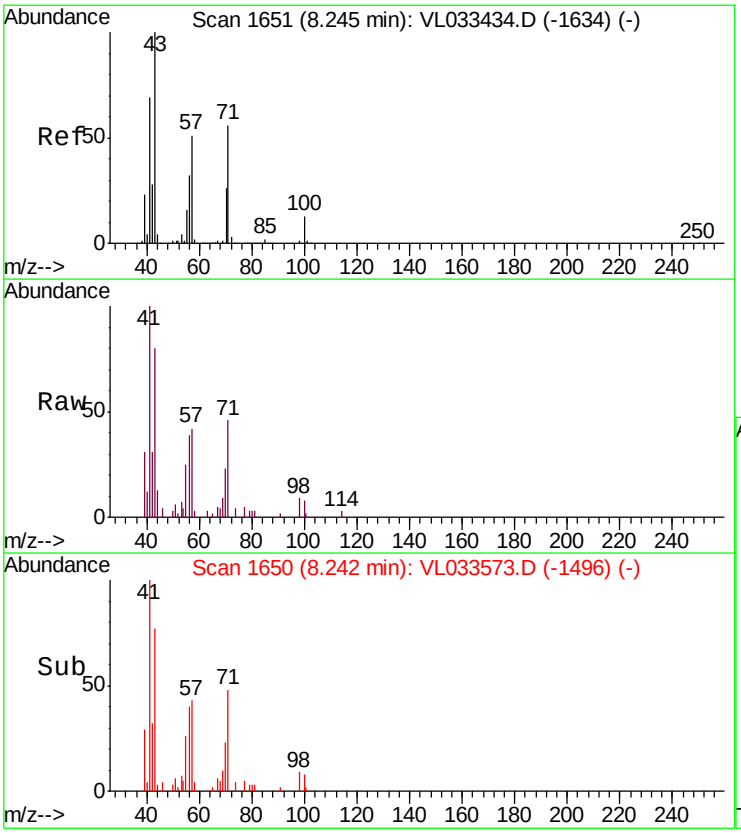
#9
Propene
Concen: 1.747 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 41 Resp: 75099

Ion	Ratio	Lower	Upper
41	100		
42	55.5	53.9	80.9

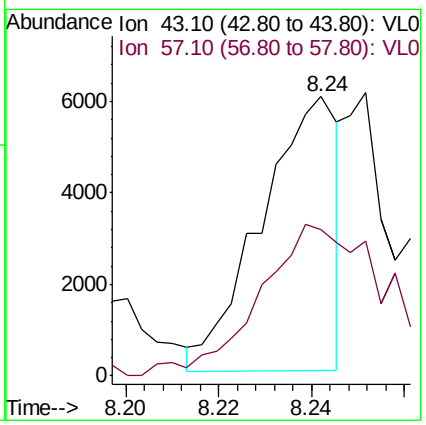


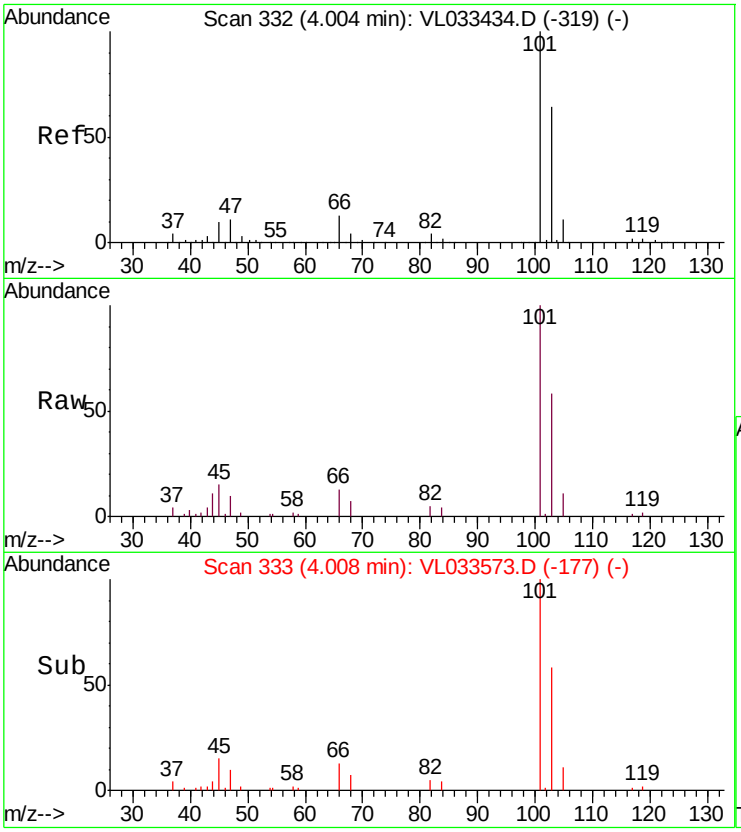


#10
Heptane
Concen: 0.060 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 43 Resp: 6884

Ion	Ratio	Lower	Upper
43	100		
57	94.9	40.6	60.8#



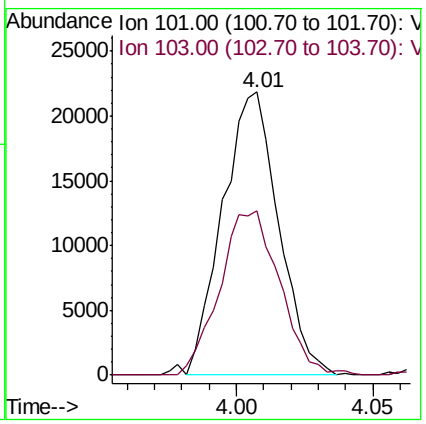


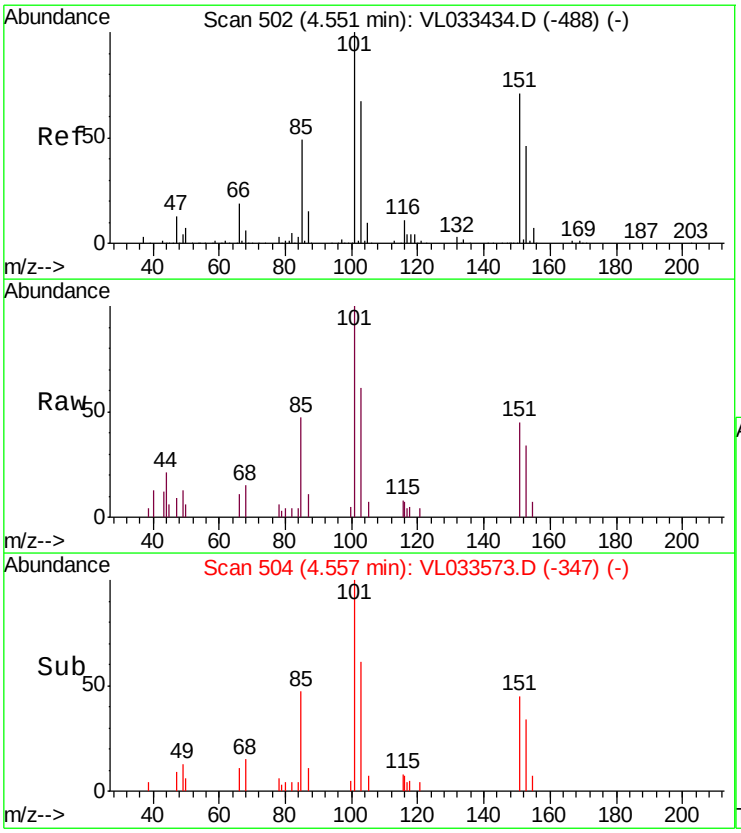
#11
Trichlorofluoromethane
Concen: 0.195 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:101 Resp: 31201

Ion	Ratio	Lower	Upper
101	100		
103	55.9	51.3	76.9

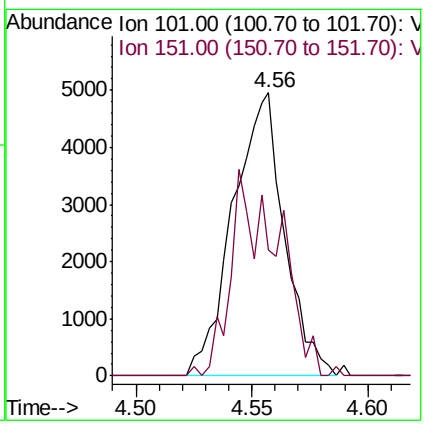


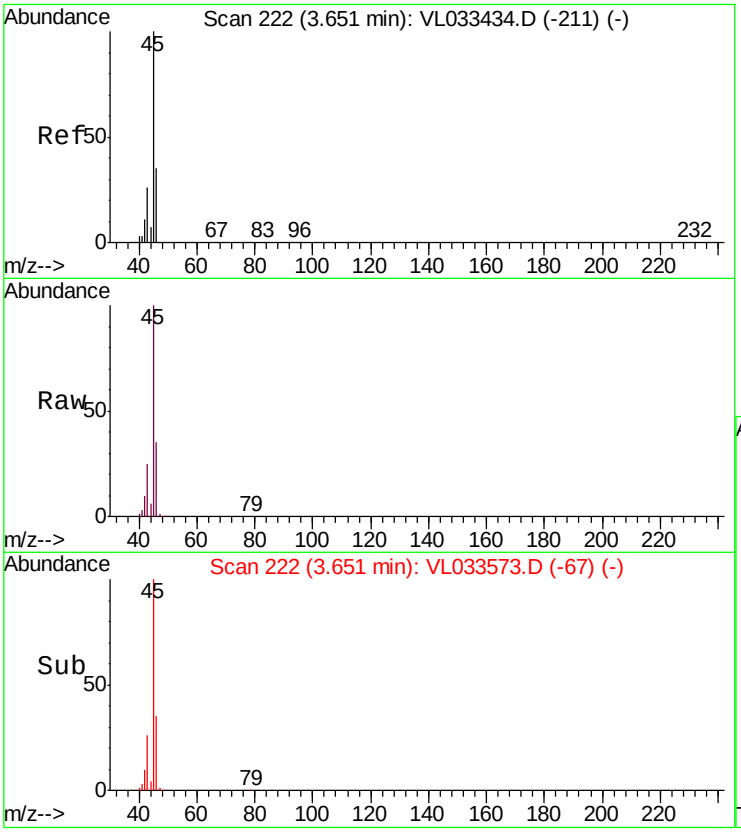


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.071 ppbv
RT: 4.56 min Scan# 504
Delta R.T. 0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion:101 Resp: 7652

Ion	Ratio	Lower	Upper
101	100		
151	67.5	57.7	86.5



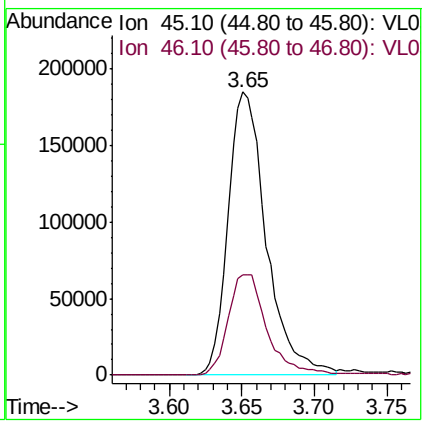


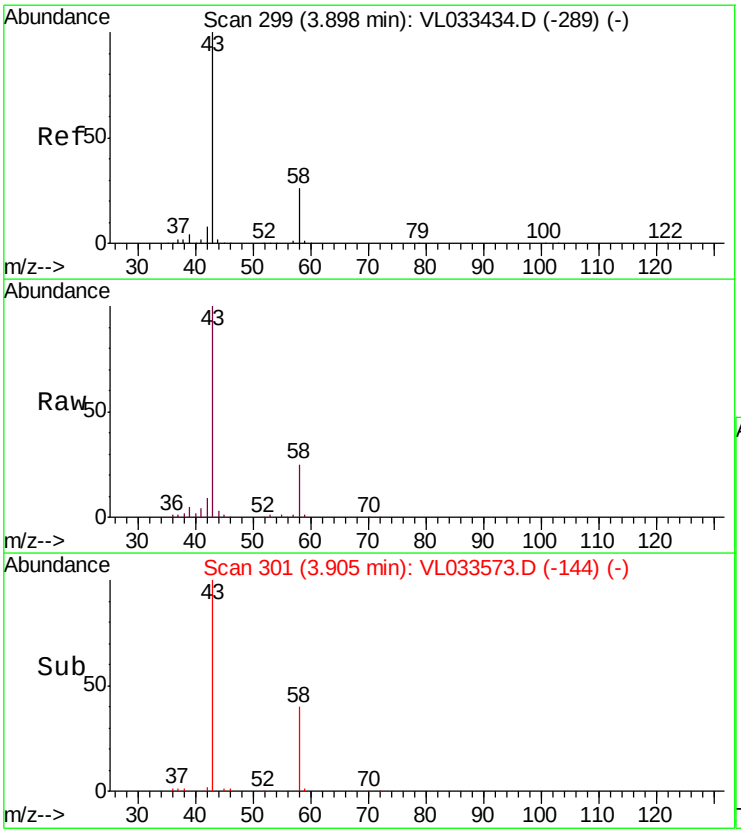
#13
Ethanol
Concen: 30.345 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 45 Resp: 337612

Ion	Ratio	Lower	Upper
45	100		
46	36.7	25.4	101.8

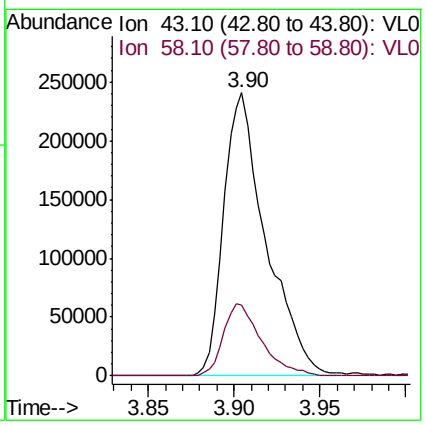


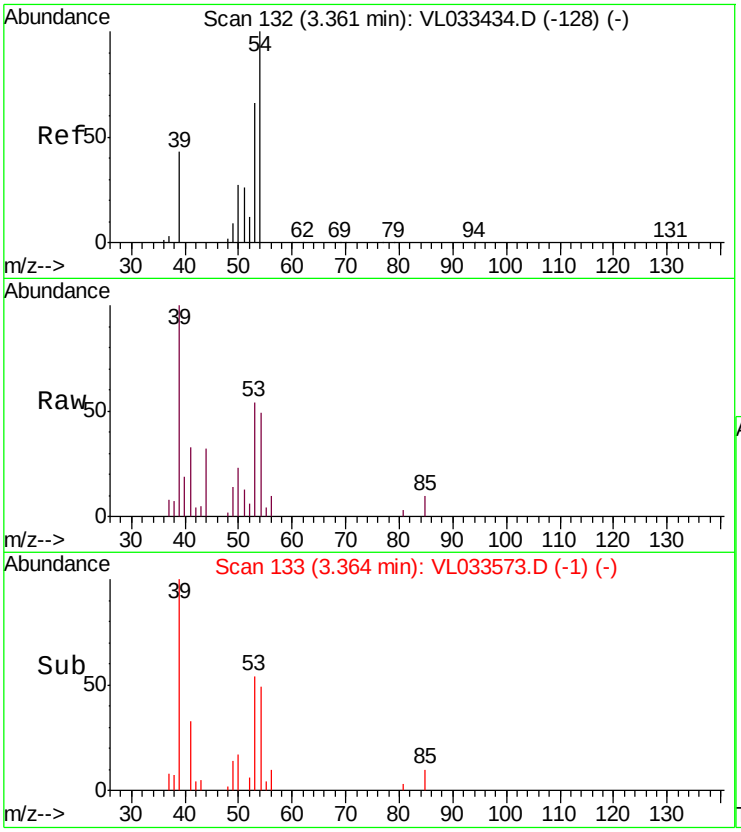


#15
Acetone
Concen: 3.831 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 43 Resp: 409619

Ion	Ratio	Lower	Upper
43	100		
58	23.3	20.5	30.7



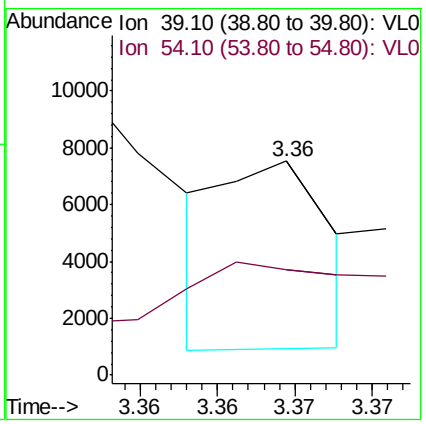


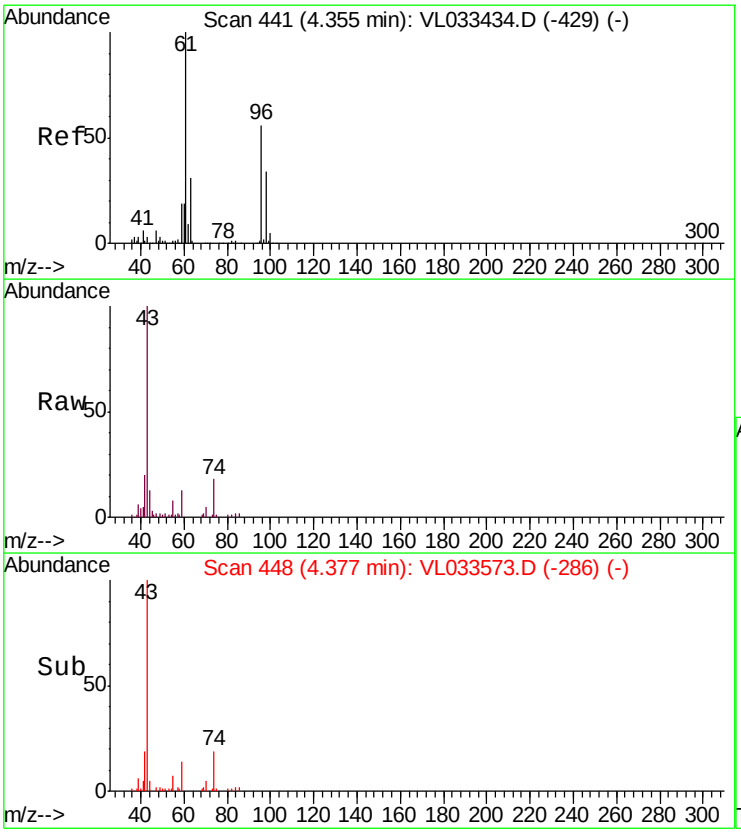
#16
1,3-Butadiene
Concen: 0.076 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 39 Resp: 3209

Ion	Ratio	Lower	Upper
39	100		
54	233.9	69.4	104.2#

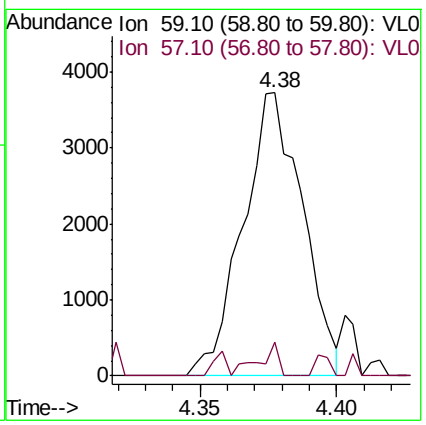


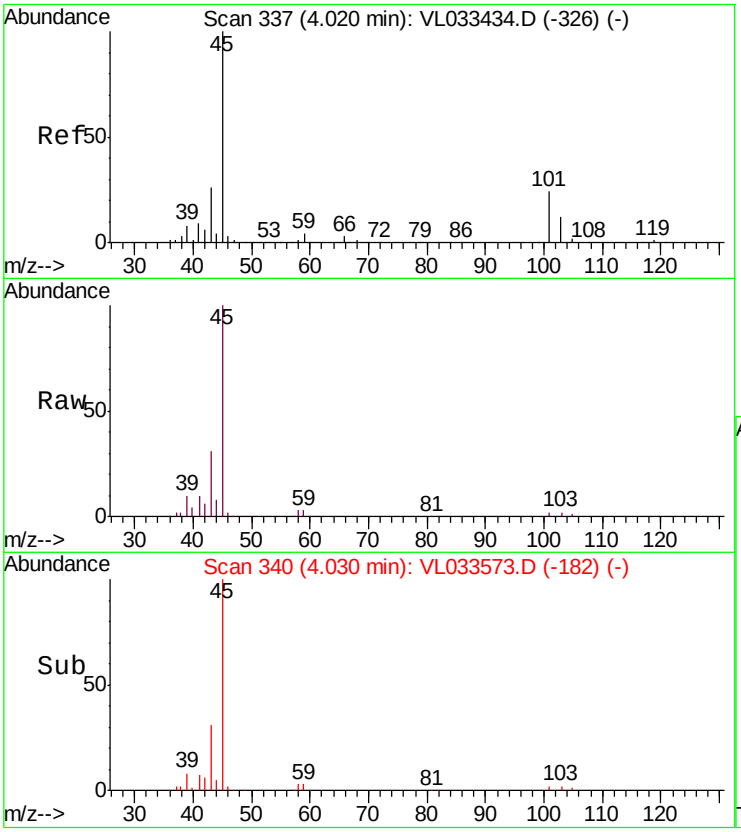


#17
tert-Butyl alcohol
Concen: 0.288 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.02 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 59 Resp: 5660

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



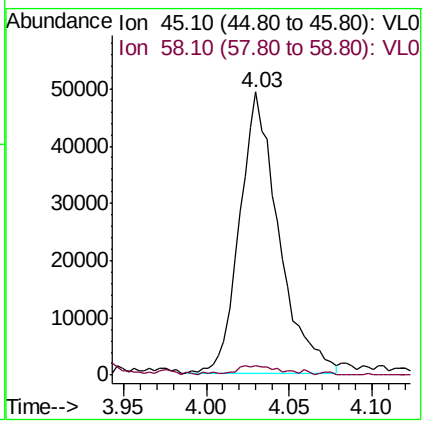


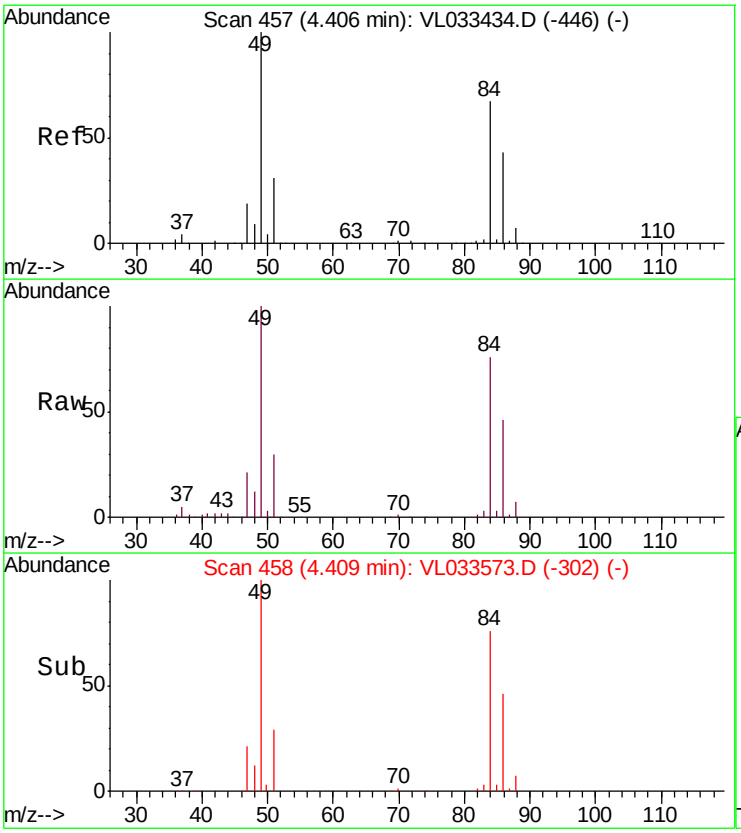
#19
Isopropyl Alcohol
Concen: 1.189 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 80431

Ion	Ratio	Lower	Upper
45	100		
58	4.5	1.4	2.2#

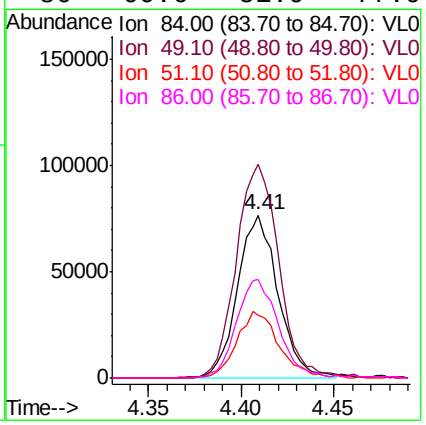


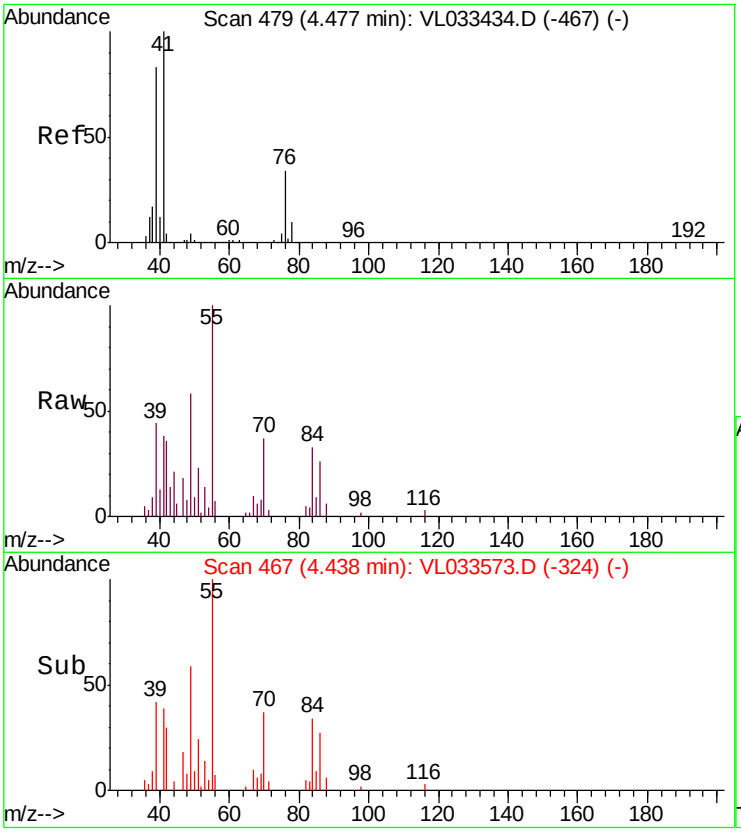


#20
Methylene Chloride
Concen: 2.564 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 84 Resp: 116362

Ion	Ratio	Lower	Upper
84	100		
49	129.7	120.0	180.0
51	38.6	36.7	55.1
86	60.6	51.9	77.9



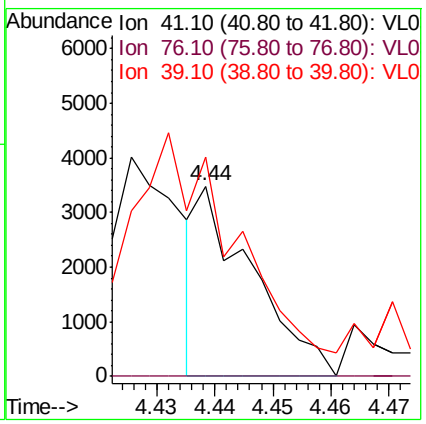


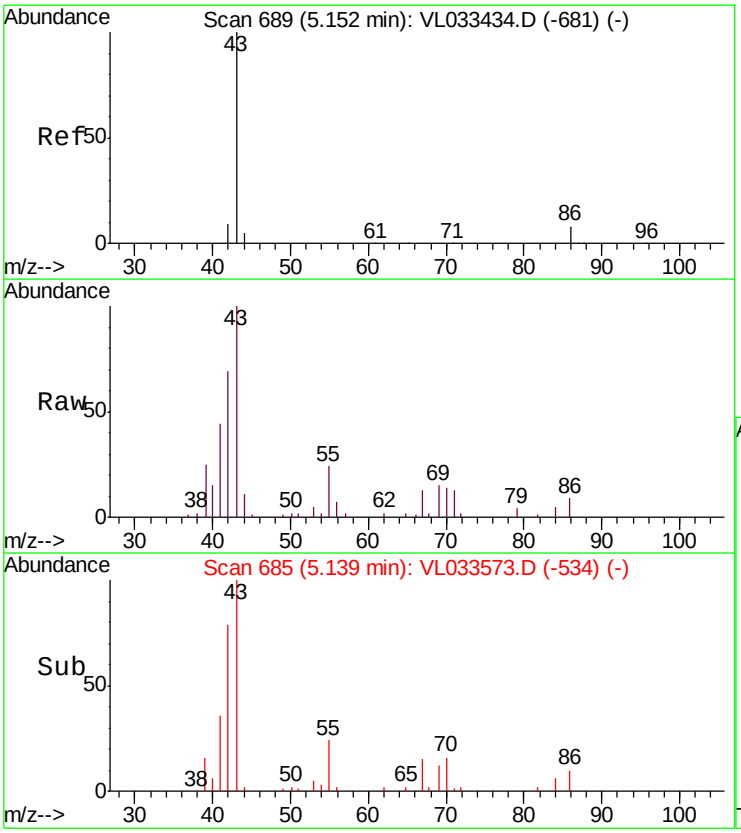
#21
Allyl Chloride
Concen: 0.034 ppbv
RT: 4.44 min Scan# 467
Delta R.T. -0.04 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 41 Resp: 2295

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.2#
39	319.0	65.3	97.9#

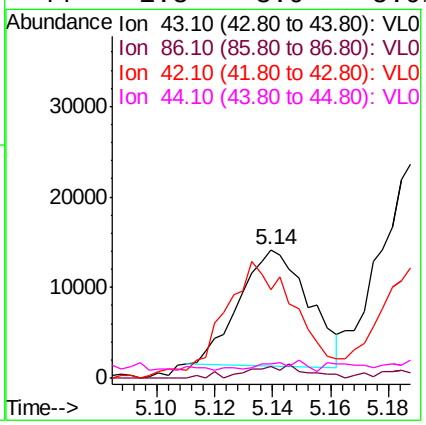


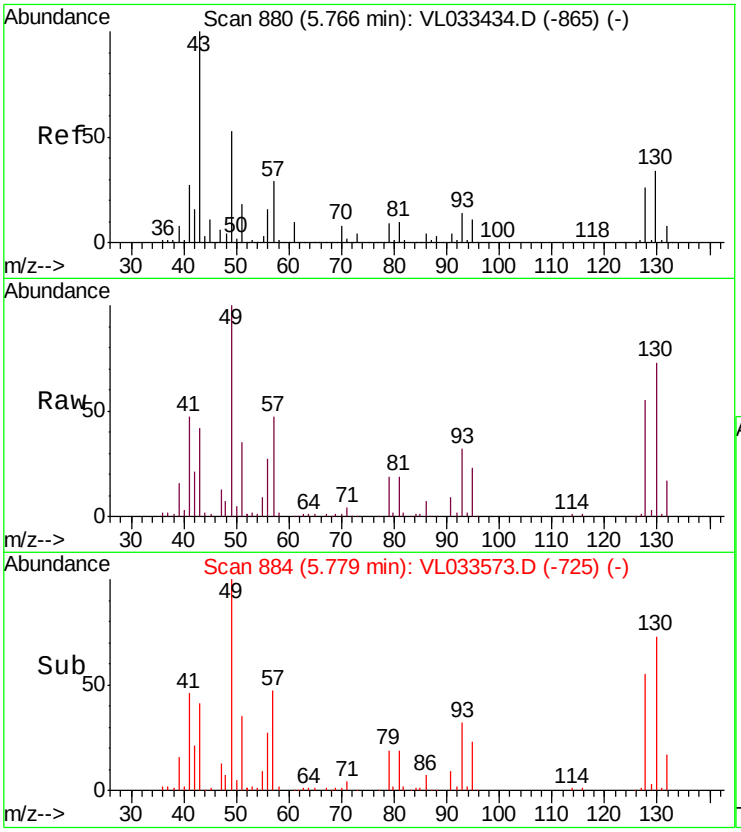


#23
Vinyl Acetate
Concen: 0.139 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 43 Resp: 21152

Ion	Ratio	Lower	Upper
43	100		
86	10.3	5.6	8.4#
42	71.6	8.0	12.0#
44	1.3	3.9	5.9#



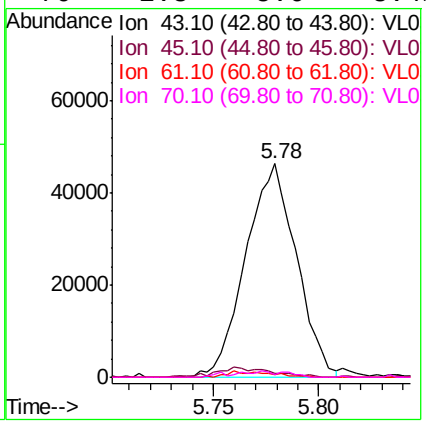


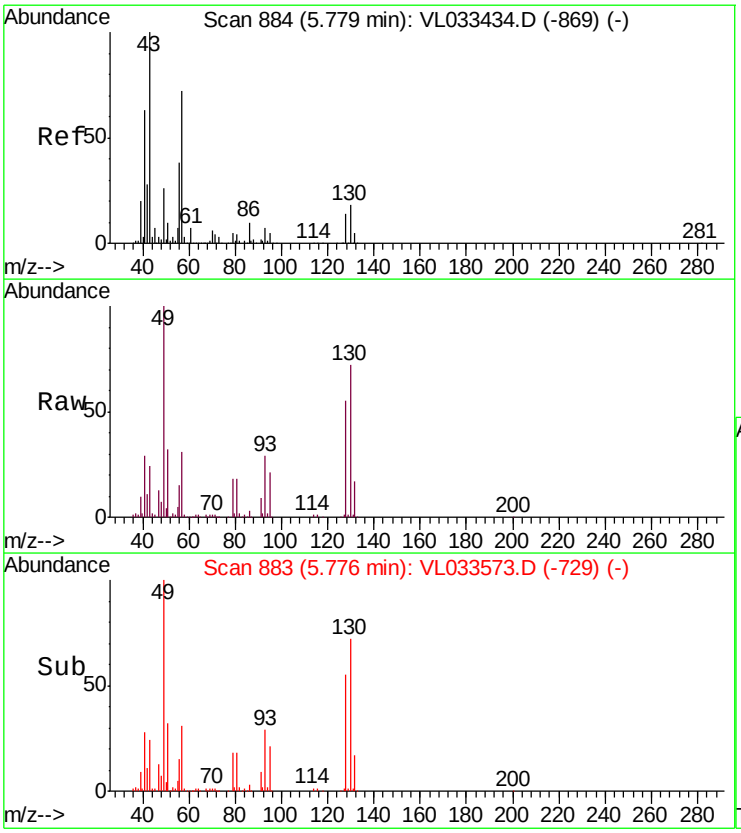
#25
Ethyl Acetate
Concen: 0.391 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 43 Resp: 77507

Ion	Ratio	Lower	Upper
43	100		
45	5.3	7.8	11.6#
61	2.4	7.3	10.9#
70	2.8	5.6	8.4#

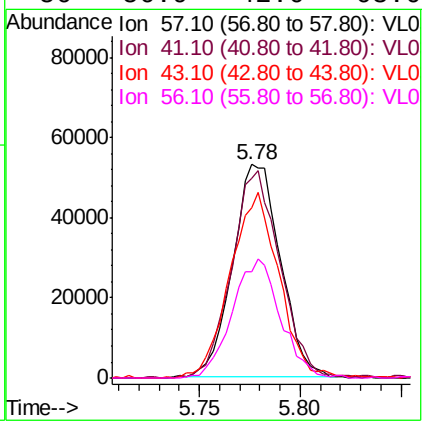


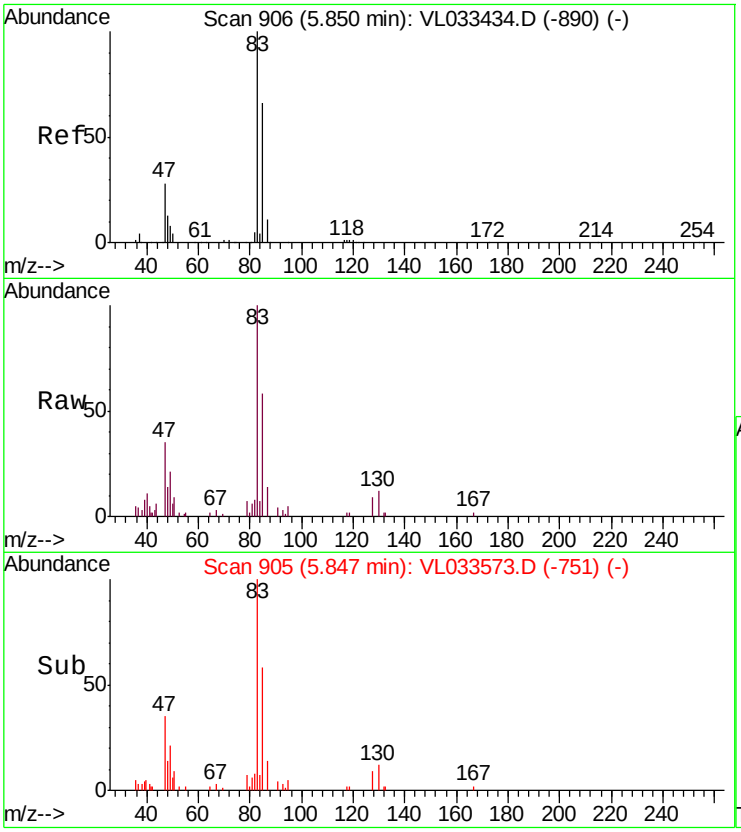


#26
Hexane
Concen: 1.002 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 57 Resp: 88385

Ion	Ratio	Lower	Upper
57	100		
41	99.3	70.7	106.1
43	89.4	182.6	274.0#
56	56.9	42.0	63.0



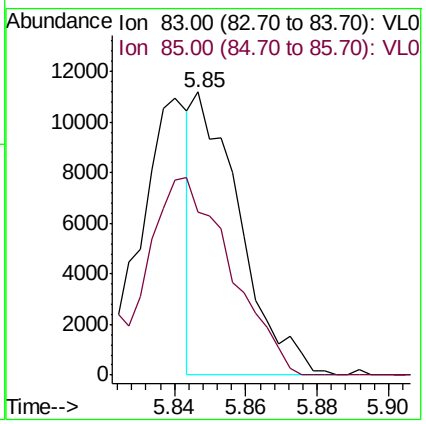


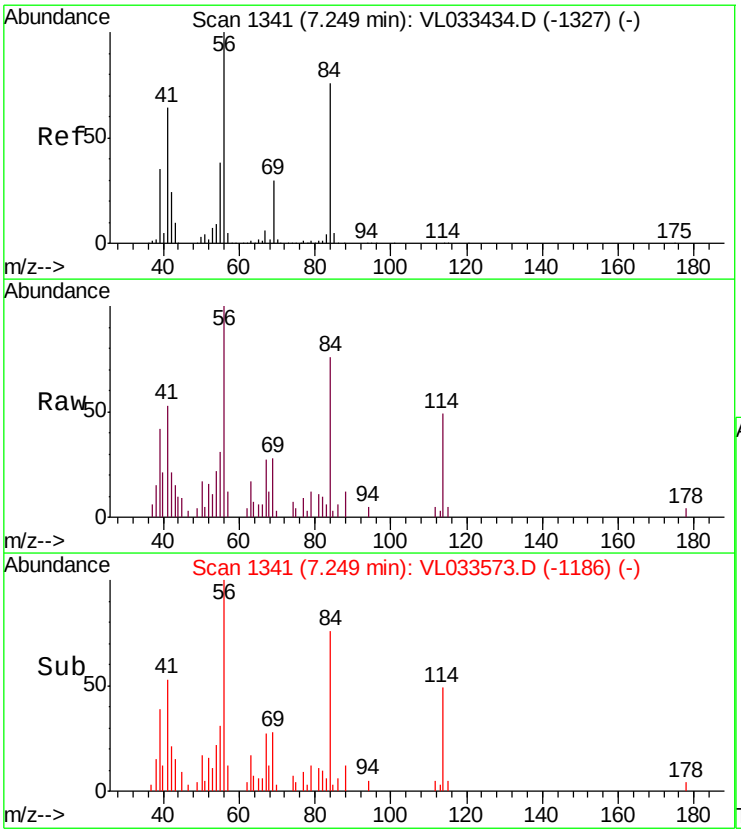
#29
Chloroform
Concen: 0.067 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 83 Resp: 10140

Ion	Ratio	Lower	Upper
83	100		
85	57.7	52.6	79.0

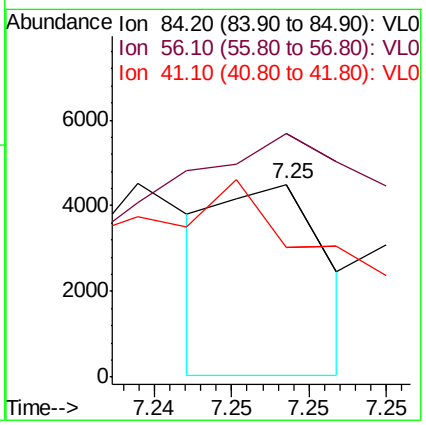


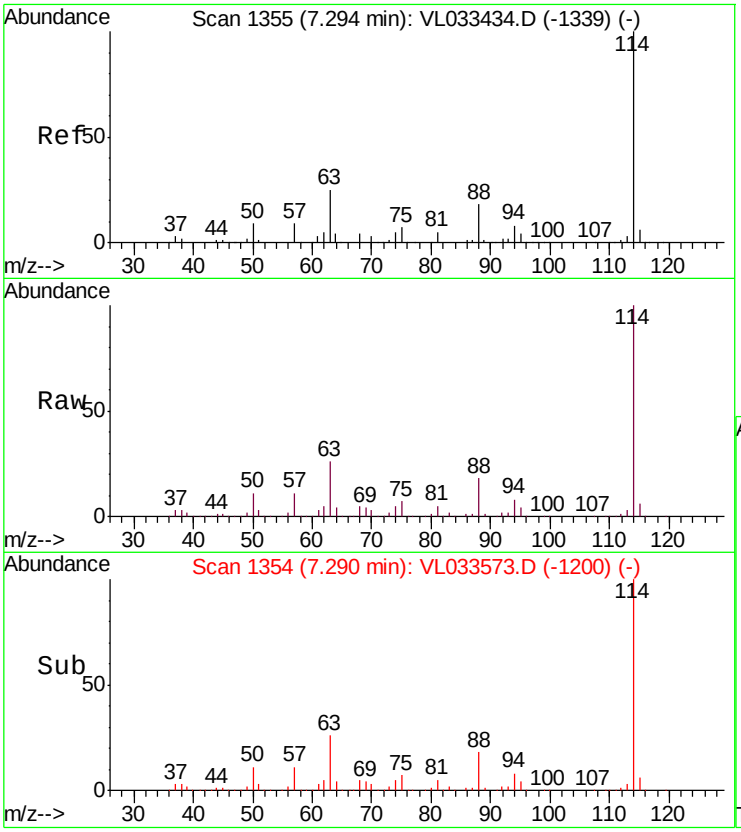


#30
Cyclohexane
Concen: 0.031 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 84 Resp: 2130

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.7	164.5#
41	410.1	68.2	102.2#



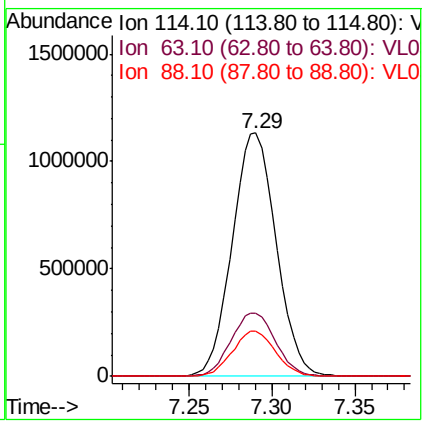


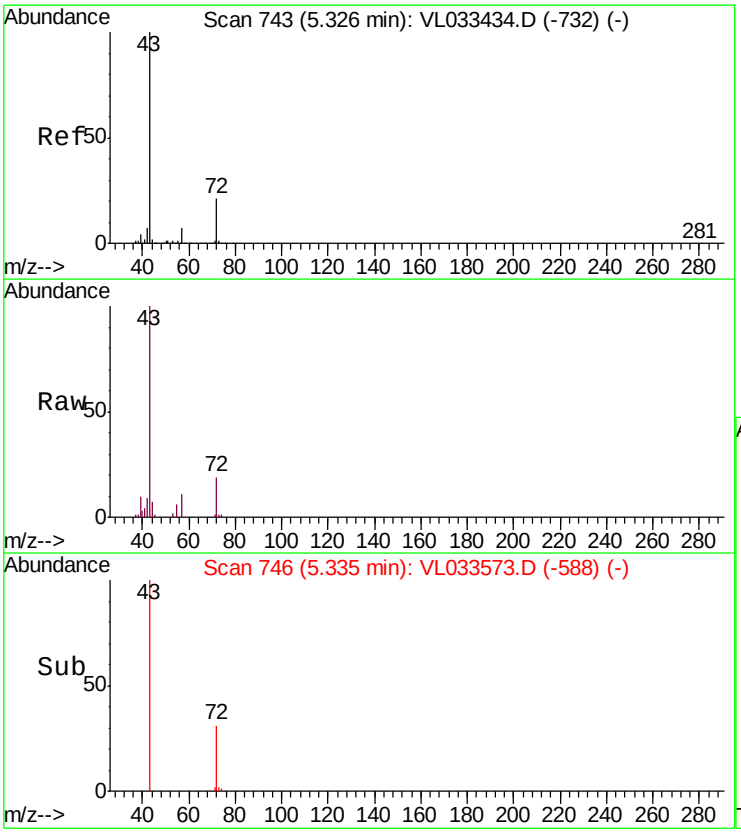
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:114 Resp: 2089158

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.2	14.5	21.7

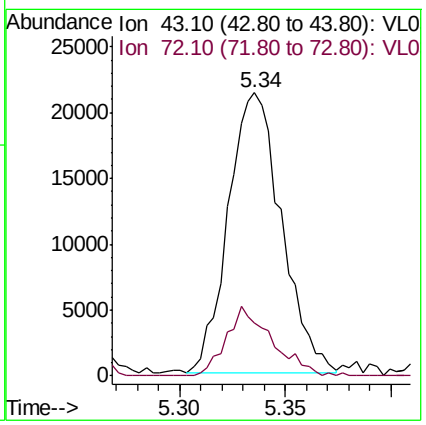


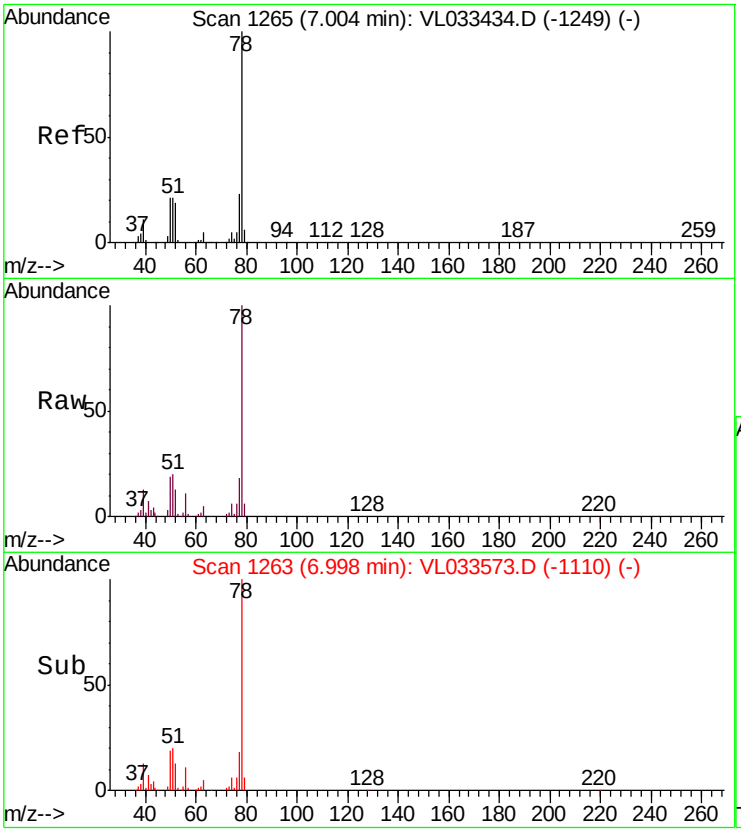


#34
2-Butanone
Concen: 0.298 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 43 Resp: 37405

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.4	26.2



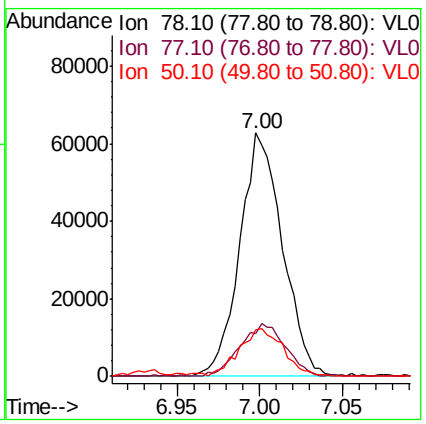


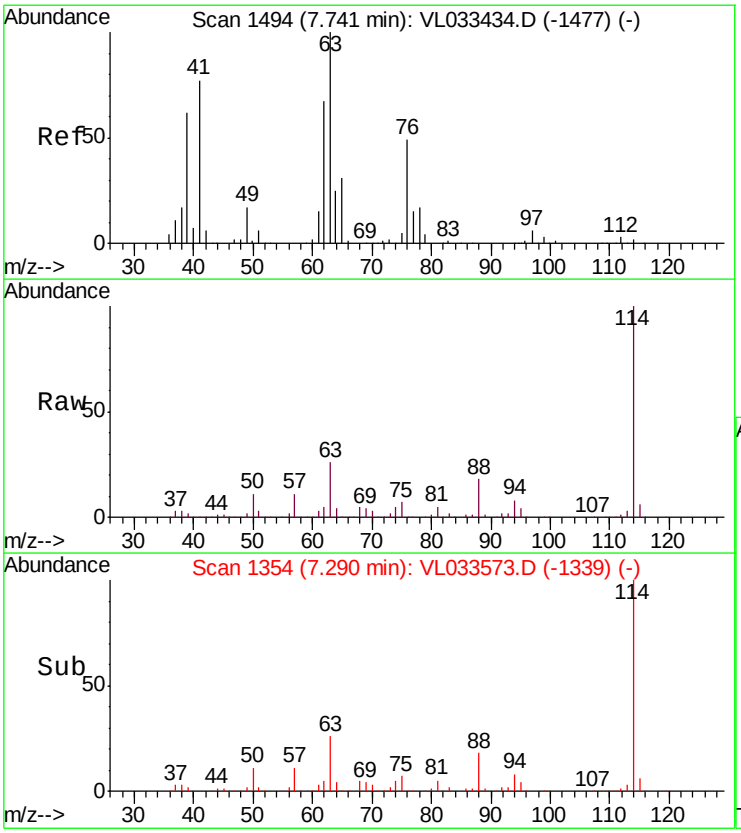
#36
Benzene
Concen: 0.639 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 78 Resp: 112080

Ion	Ratio	Lower	Upper
78	100		
77	17.7	18.1	27.1#
50	19.1	16.7	25.1

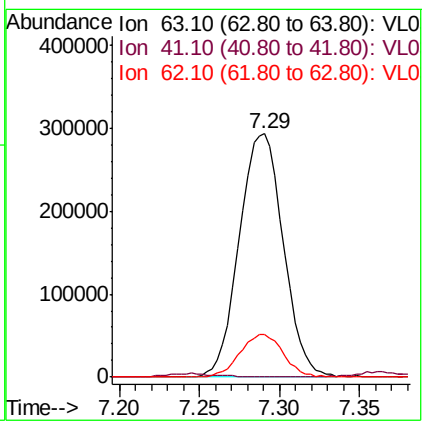


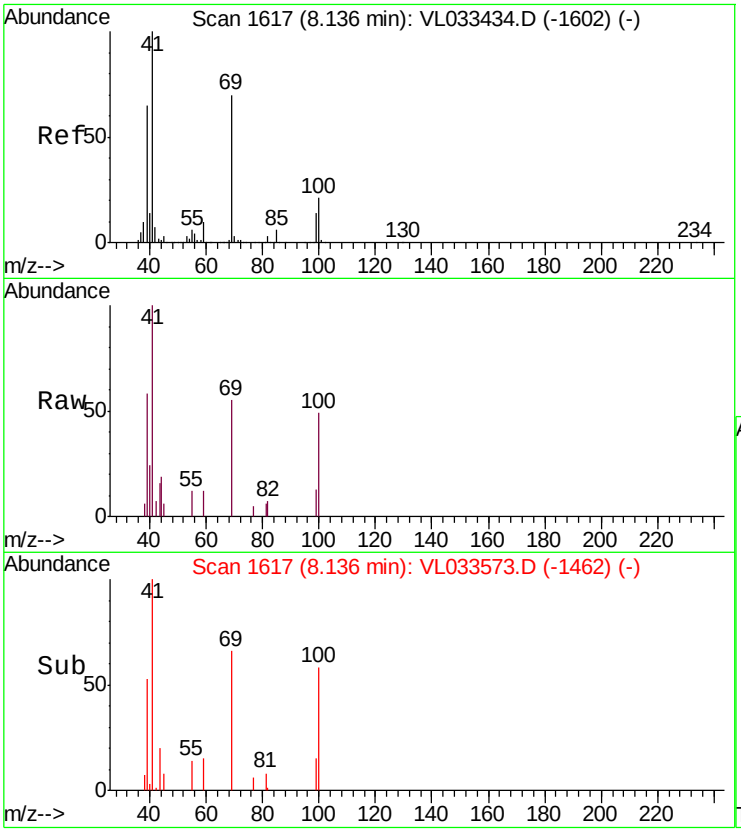


#39
1,2-Dichloropropane
Concen: 8.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 63 Resp: 549312

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.2	91.8#
62	17.6	54.0	81.0#



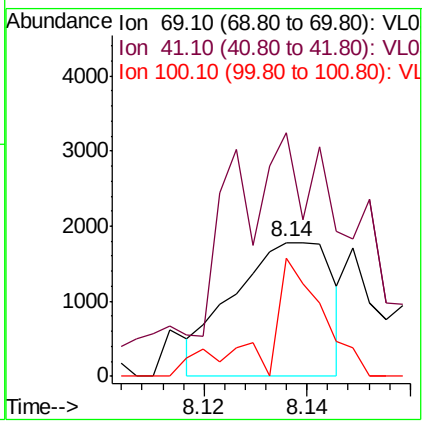


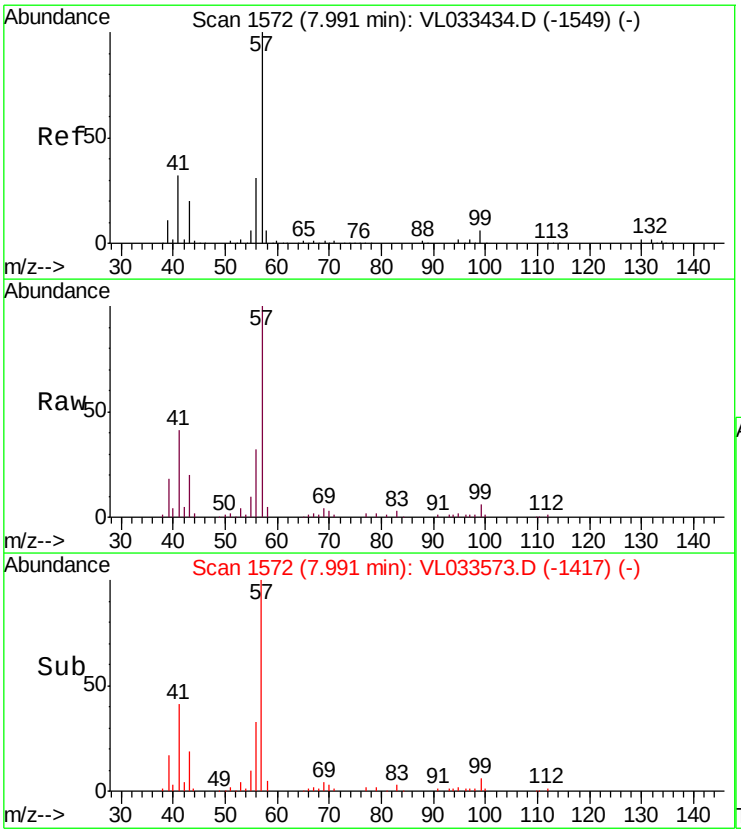
#43
Methyl Methacrylate
Concen: 0.033 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 69 Resp: 2376

Ion	Ratio	Lower	Upper
69	100		
41	263.0	116.6	174.8#
100	50.8	24.4	36.6#

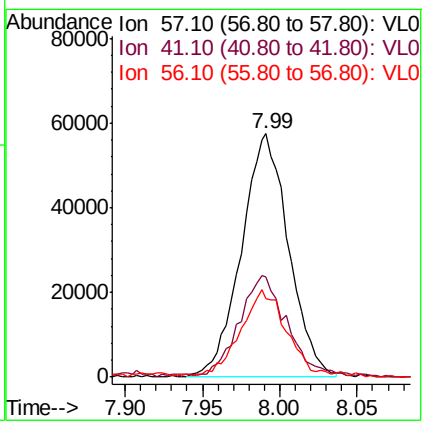


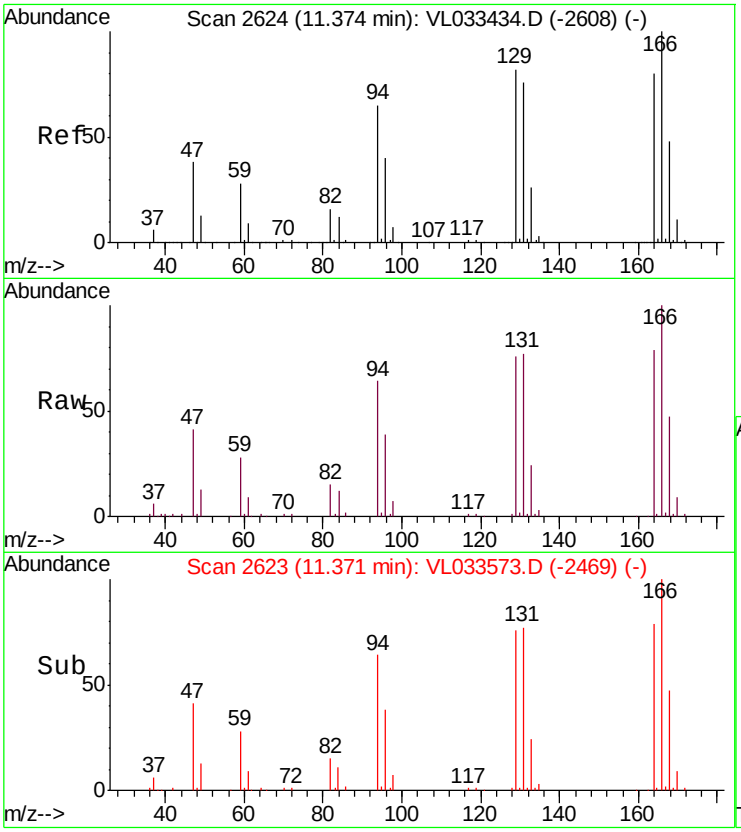


#44
2,2,4-Trimethylpentane
Concen: 0.399 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 57 Resp: 122201

Ion	Ratio	Lower	Upper
57	100		
41	43.8	26.0	39.0#
56	36.1	24.6	37.0



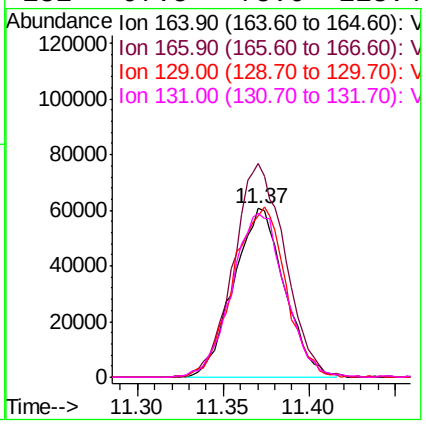


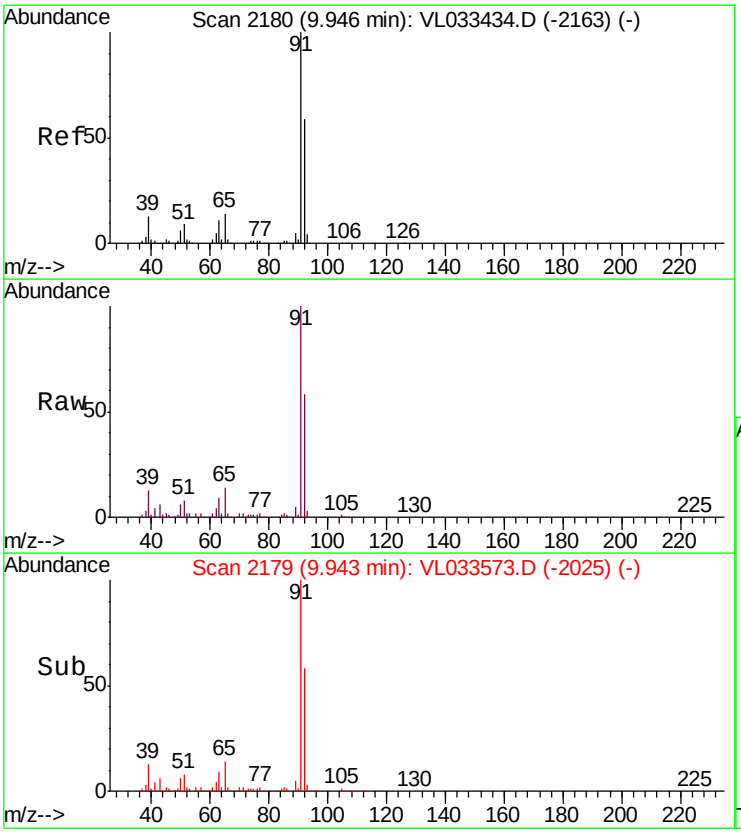
#52
Tetrachloroethene
Concen: 1.882 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion:164 Resp: 124470

Ion	Ratio	Lower	Upper
164	100		
166	125.4	99.5	149.3
129	96.6	81.4	122.2
131	97.5	75.6	113.4

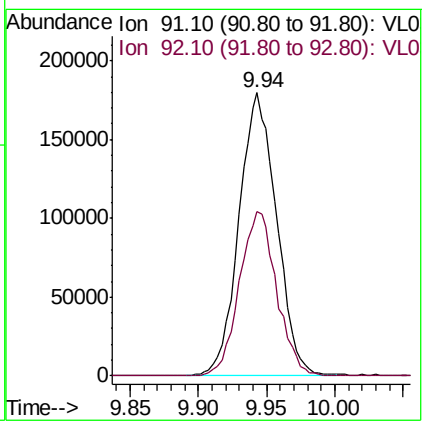


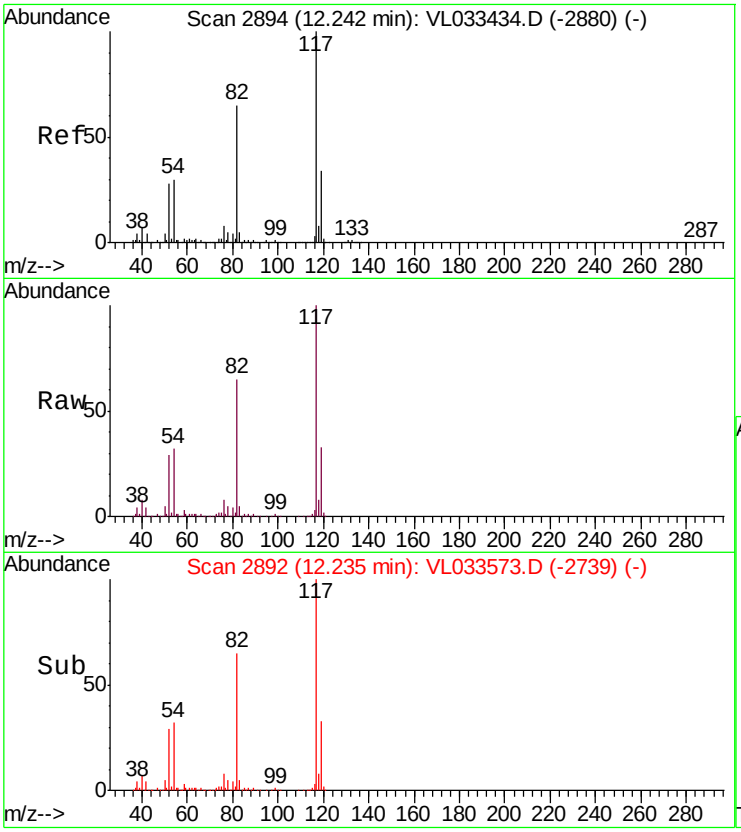


#53
Toluene
Concen: 1.682 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 91 Resp: 342725

Ion	Ratio	Lower	Upper
91	100		
92	57.9	47.4	71.0



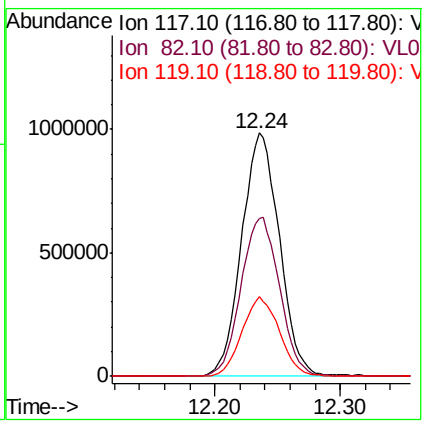


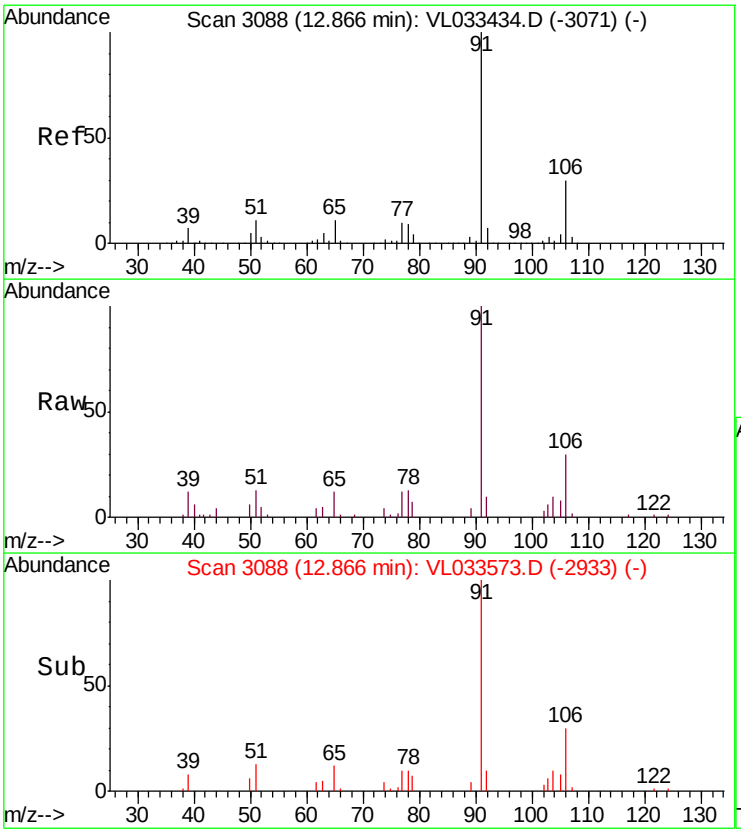
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:117 Resp: 2065892

Ion	Ratio	Lower	Upper
117	100		
82	66.6	51.5	77.3
119	32.4	25.5	38.3

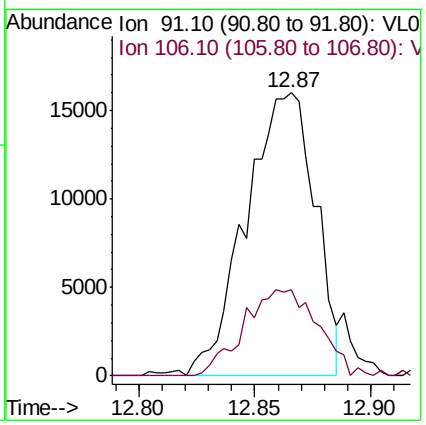


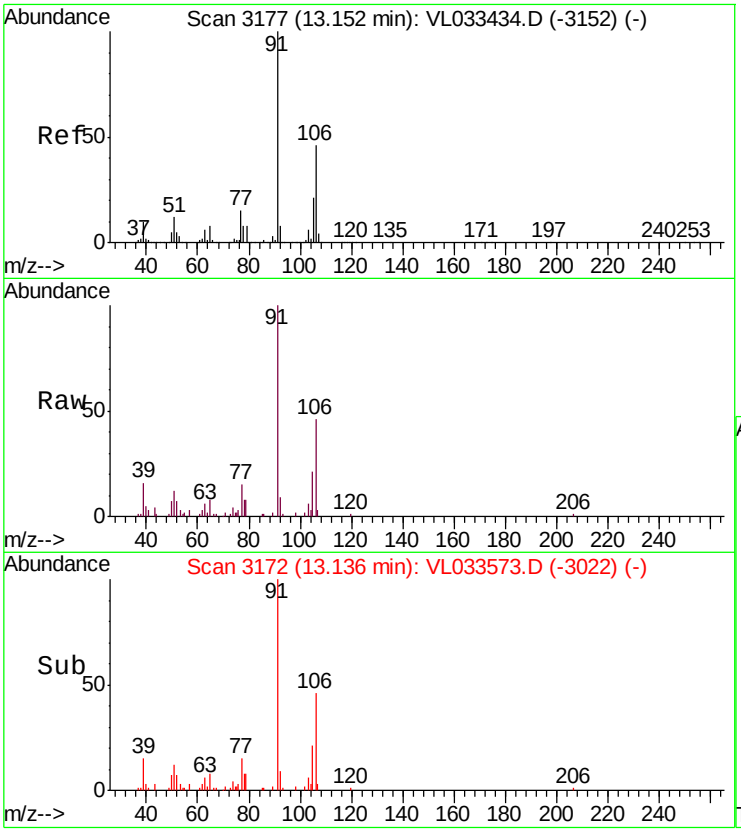


#58
Ethyl Benzene
Concen: 0.120 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 91 Resp: 33141

Ion	Ratio	Lower	Upper
91	100		
106	27.7	23.8	35.6



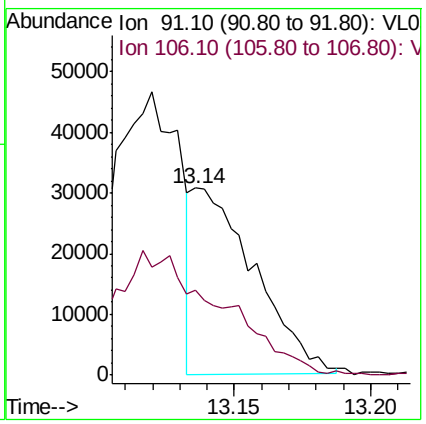


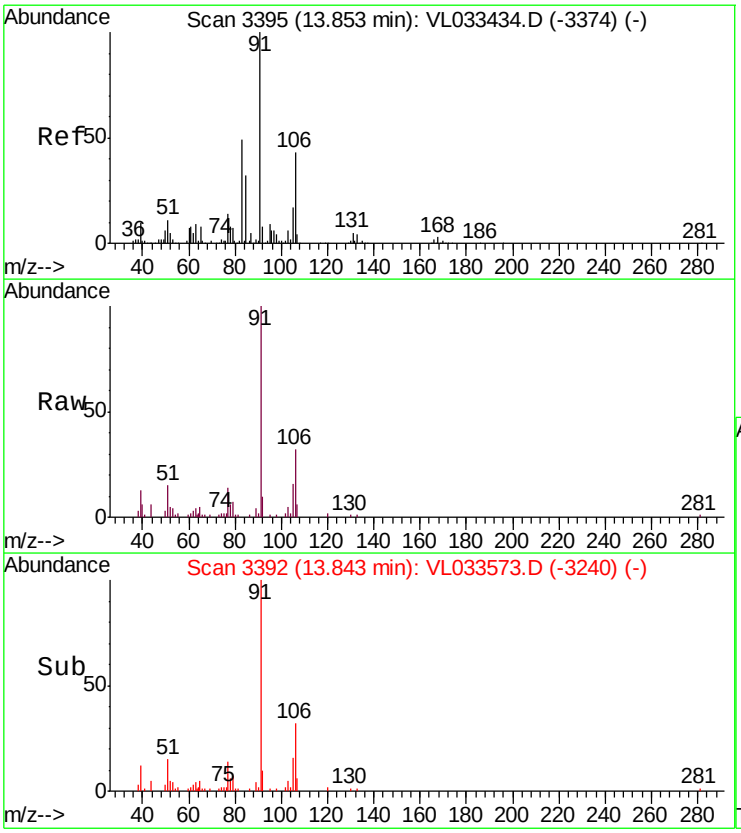
#59
m/p-Xylene
Concen: 0.195 ppbv
RT: 13.14 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 91 Resp: 48156

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

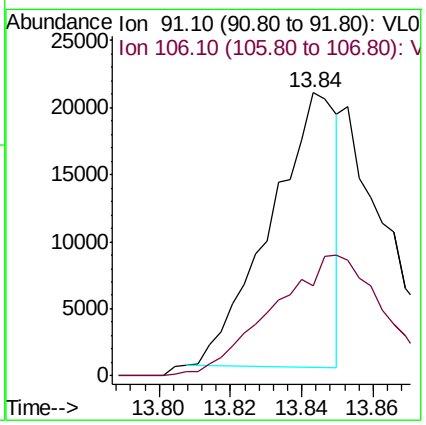


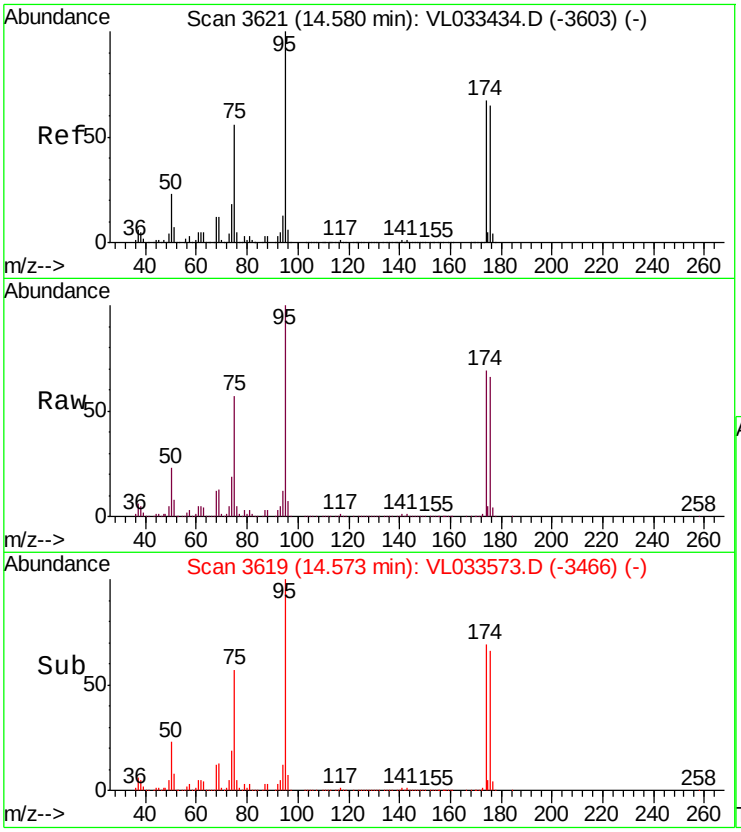


#60
o-Xylene
Concen: 0.110 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion: 91 Resp: 26249

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.4	64.3#



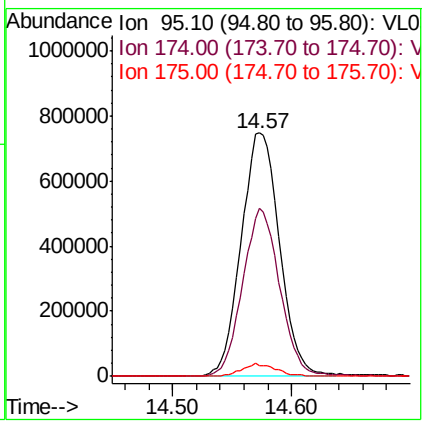


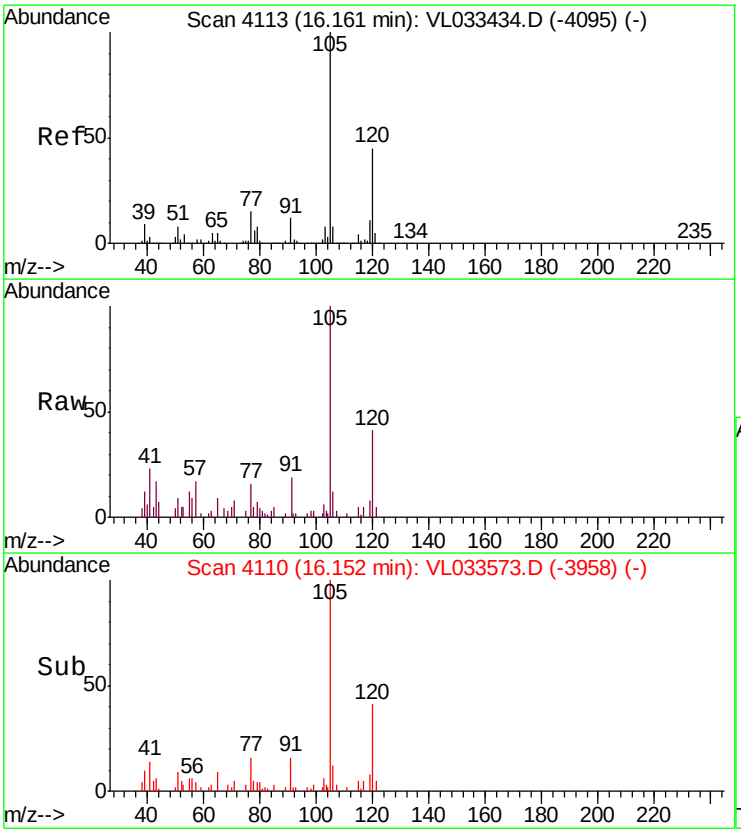
#68
1-Bromo-4-Fluorobenzene
Concen: 10.319 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 95 Resp: 1671192

Ion	Ratio	Lower	Upper
95	100		
174	67.2	52.9	79.3
175	4.8	3.8	5.6

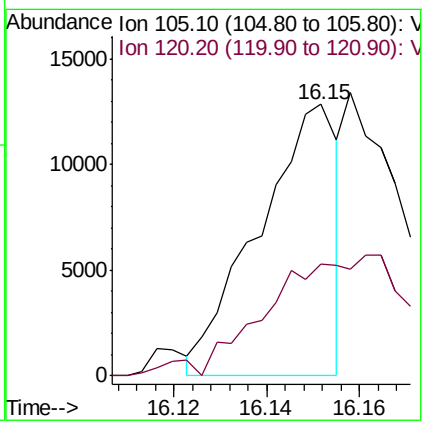


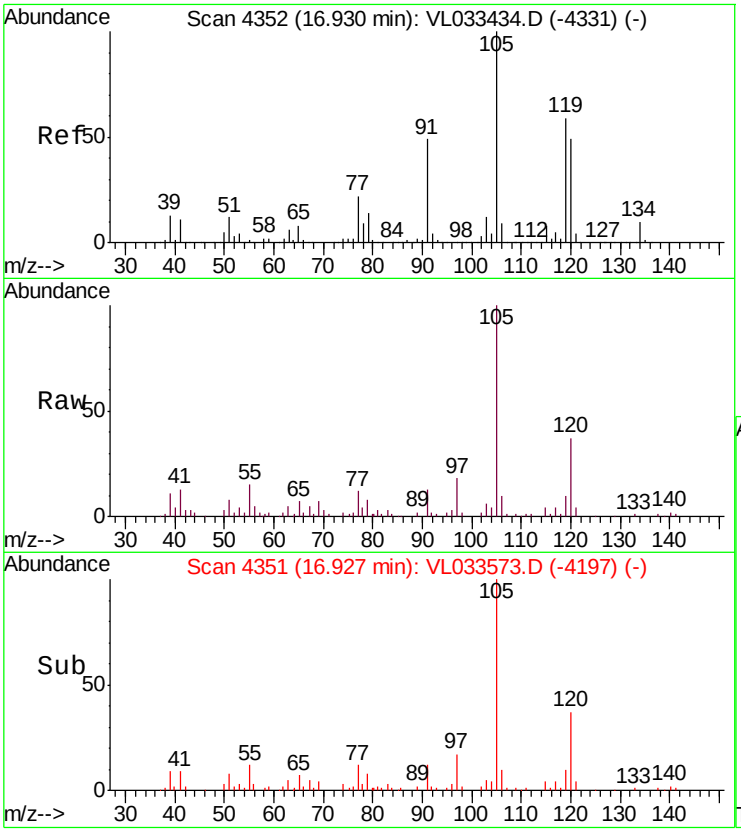


#73
1,3,5-Trimethylbenzene
Concen: 0.059 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion:105 Resp: 15150

Ion	Ratio	Lower	Upper
105	100		
120	37.9	35.7	53.5



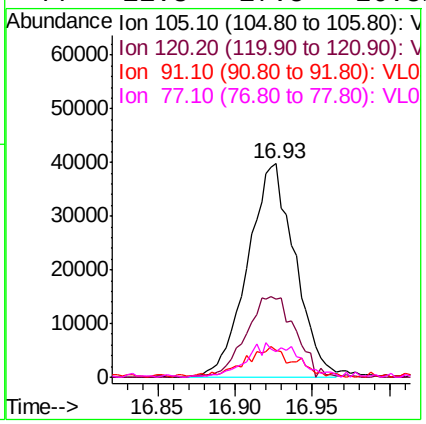


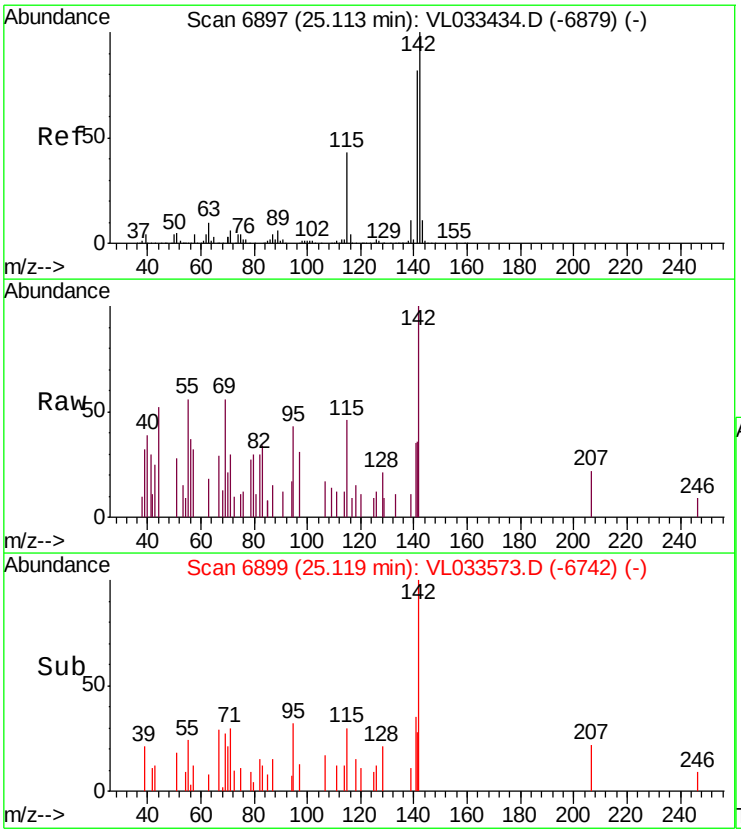
#74
1,2,4-Trimethylbenzene
Concen: 0.307 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:105 Resp: 84413

Ion	Ratio	Lower	Upper
105	100		
120	40.8	39.0	58.6
91	12.1	40.0	60.0#
77	11.8	17.5	26.3#





#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL033573.D
Acq: 10 Apr 2019 20:58

Tgt Ion:142 Resp: 4183

Ion	Ratio	Lower	Upper
142	100		
141	85.2	66.6	99.8
115	46.4	34.4	51.6