Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

Quantitation Report (Not Reviewed)

Data File : VL033366.D
Acq On : 18 Mar 2019 20:04
Operator : SY/AP
Sample : K1827-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-9

Quant Time: Mar 19 06:55:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	704171	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1545167	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.24	117	1622865	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1316882	10.95	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	58688	0.474	ppbv		97
3) Chlorodifluoromethane	3.01	51	237648	2.940	ppbv	#	80
4) Chloromethane	3.17	50	24073	0.550	ppbv	#	85
9) Propene	3.24	41	97090	2.691	ppbv		98
10) Heptane	8.24	43	81022	0.905	ppbv		99
11) Trichlorofluoromethane	4.00	101	31852	0.258	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.54	101	2524	0.031	ppbv	#	14
13) Ethanol	3.65	45	2014116	117.100	ppbv		98
15) Acetone	3.90	43	560209	5.118	ppbv		100
16) 1,3-Butadiene	3.34	39	5501	0.155	ppbv	#	24
17) tert-Butyl alcohol	4.37	59	16109	1.046	ppbv	#	93
19) Isopropyl Alcohol	4.03	45	749483	14.394	ppbv		99
20) Methylene Chloride	4.41	84	18583	0.521	ppbv		89
23) Vinyl Acetate	5.14	43	10239	0.081	ppbv	#	22
25) Ethyl Acetate	5.76	43	344578	2.166	ppbv		98
26) Hexane	5.78	57	131610	1.850	ppbv		84
31) cis-1,2-Dichloroethene	5.76	61	31051	0.437	ppbv	#	29
34) 2-Butanone	5.33	43	85196	0.840	ppbv		97
35) Carbon Tetrachloride	7.12	117	3772	0.035	ppbv	#	63
36) Benzene	7.00	78	42317	0.306	ppbv		96
37) 1,2-Dichloroethane	6.41	62	3969	0.045	ppbv	#	83
39) 1,2-Dichloropropane	7.29	63	417863	8.069	ppbv	#	23
43) Methyl Methacrylate	8.13	69	2455	0.046	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.98	57	21565	0.094	ppbv	#	17
50) 4-Methyl-2-Pentanone	8.88	43	91640	0.639	ppbv		96
52) Tetrachloroethene	11.36	164	3647	0.063	ppbv	#	37
53) Toluene	9.94	91	2877949	18.316	ppbv		100
58) Ethyl Benzene	12.86	91	86030	0.375	ppbv		94
59) m/p-Xylene	13.12	91	66839	0.339	ppbv	#	100
60) o-Xylene	13.85	91	24666	0.128	ppbv		96
61) Styrene	13.68	104	7315	0.054	ppbv	#	22
74) 1,2,4-Trimethylbenzene	16.92	105	16946	0.075	ppbv	#	74

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

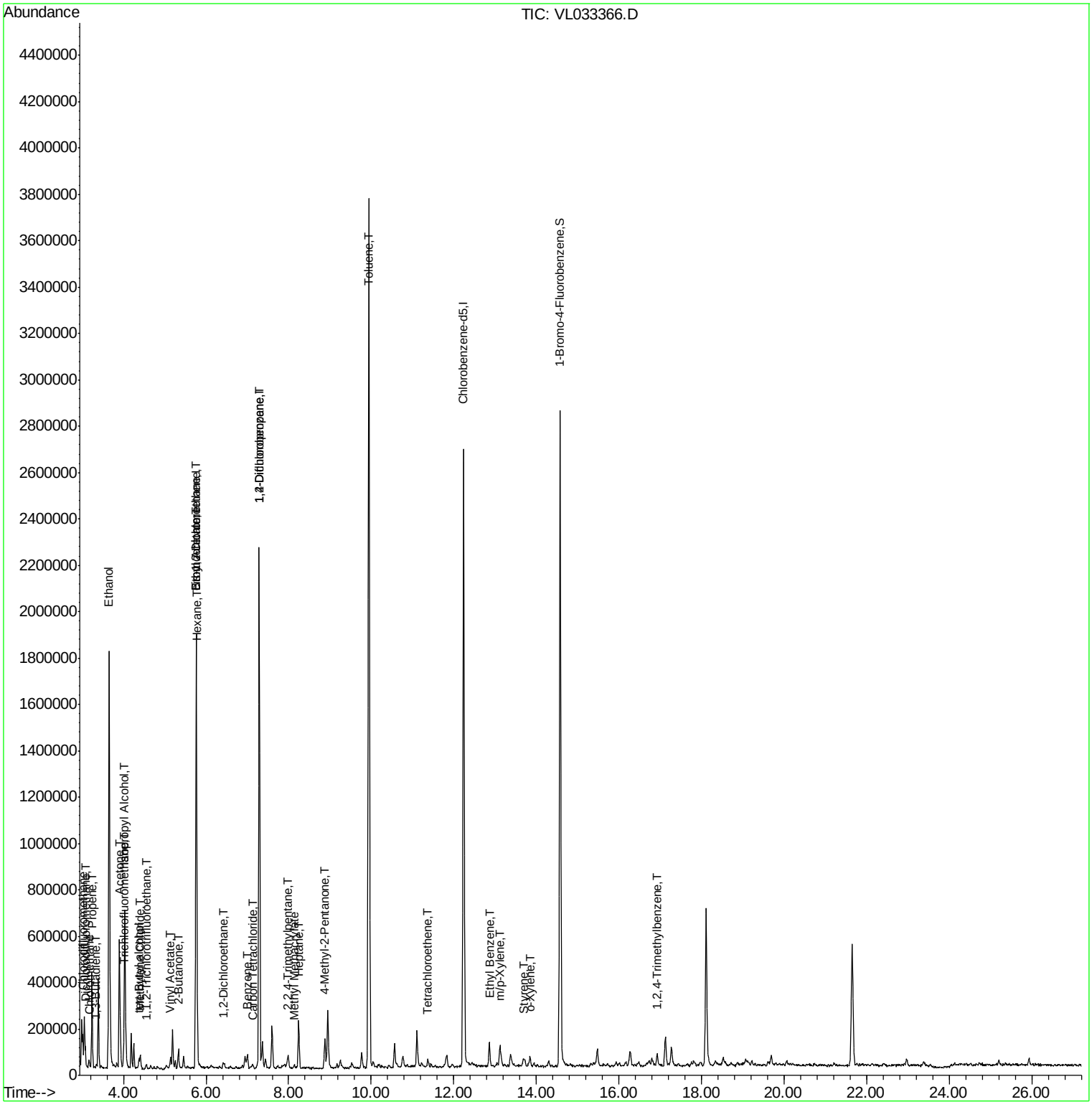
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031819\

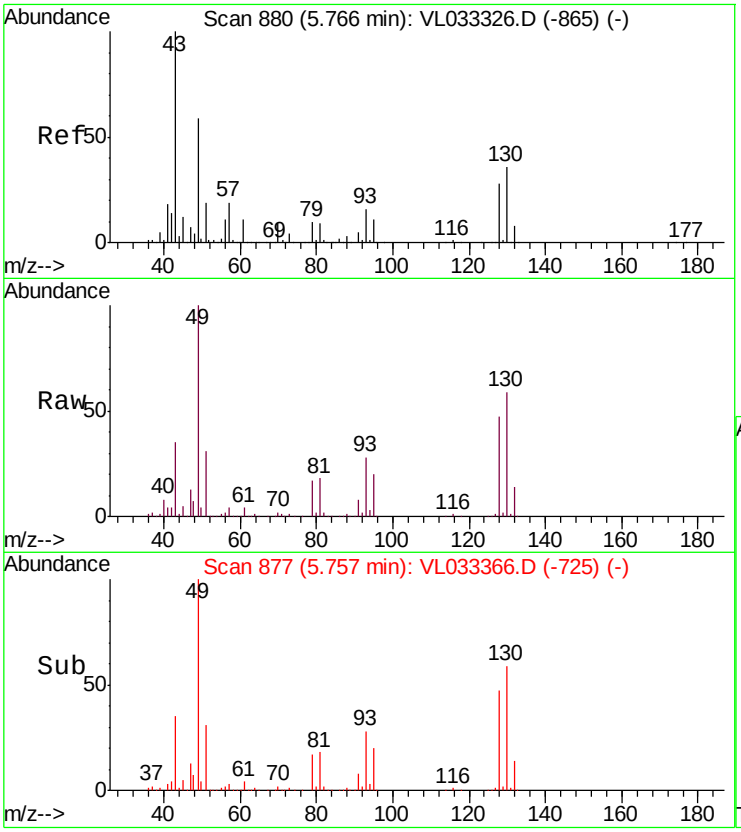
Quantitation Report (Not Reviewed)

Data File : VL033366.D
Acq On : 18 Mar 2019 20:04
Operator : SY/AP
Sample : K1827-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-9

Quant Time: Mar 19 06:55:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



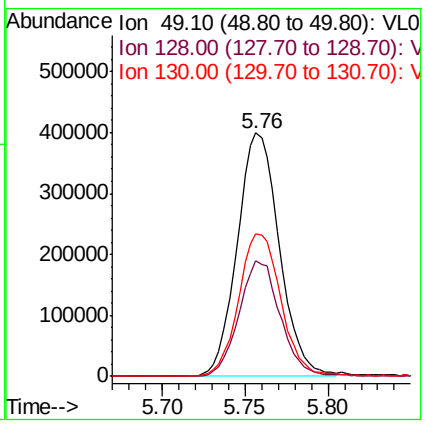


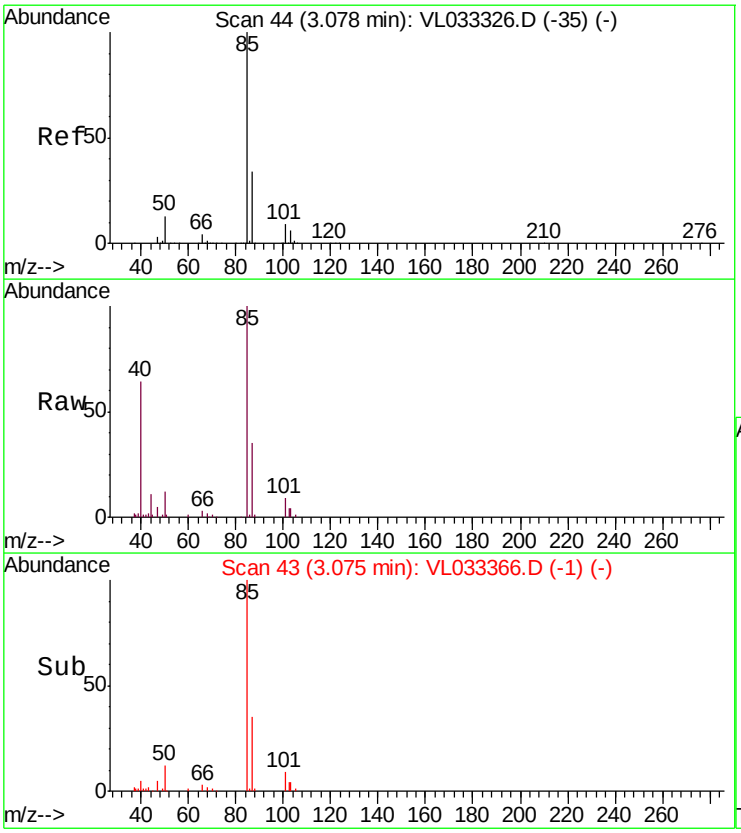
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument :
MSVOA_L
ClientSampleId :
A-9

Tgt Ion: 49 Resp: 704171

Ion	Ratio	Lower	Upper
49	100		
128	46.9	23.5	70.6
130	59.4	30.1	90.3

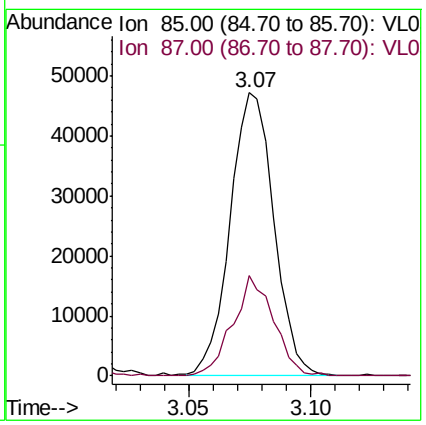


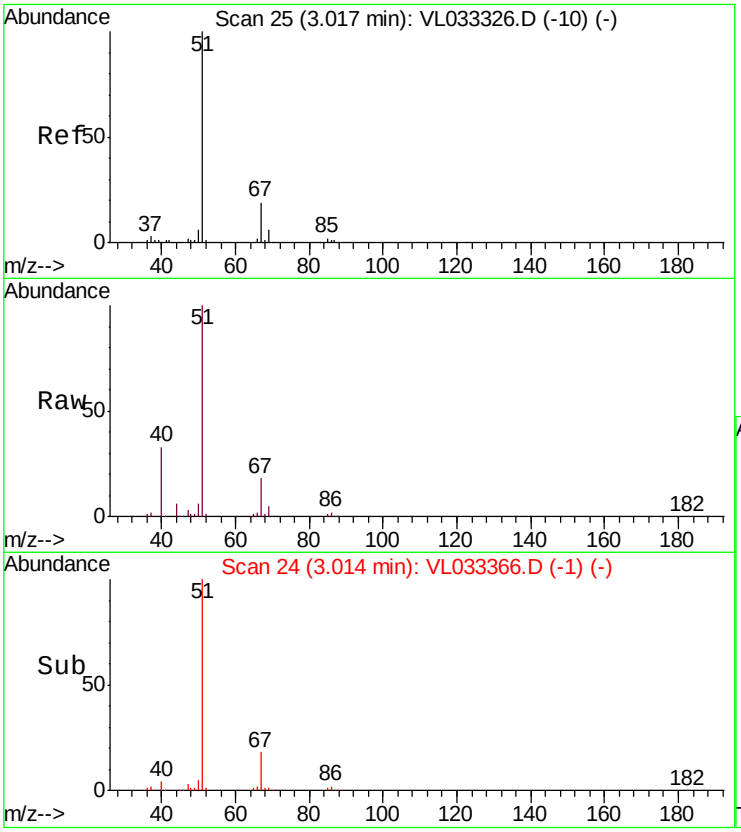


#2
Dichlorodifluoromethane
Concen: 0.474 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 85 Resp: 58688

Ion	Ratio	Lower	Upper
85	100		
87	35.5	26.9	40.3



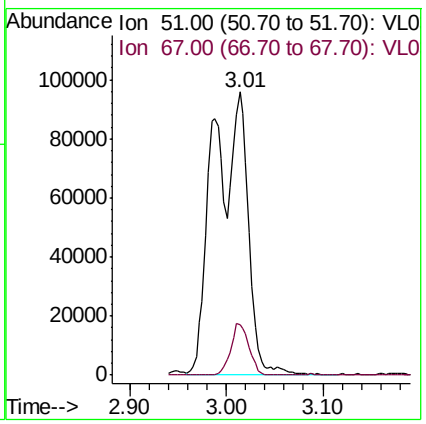


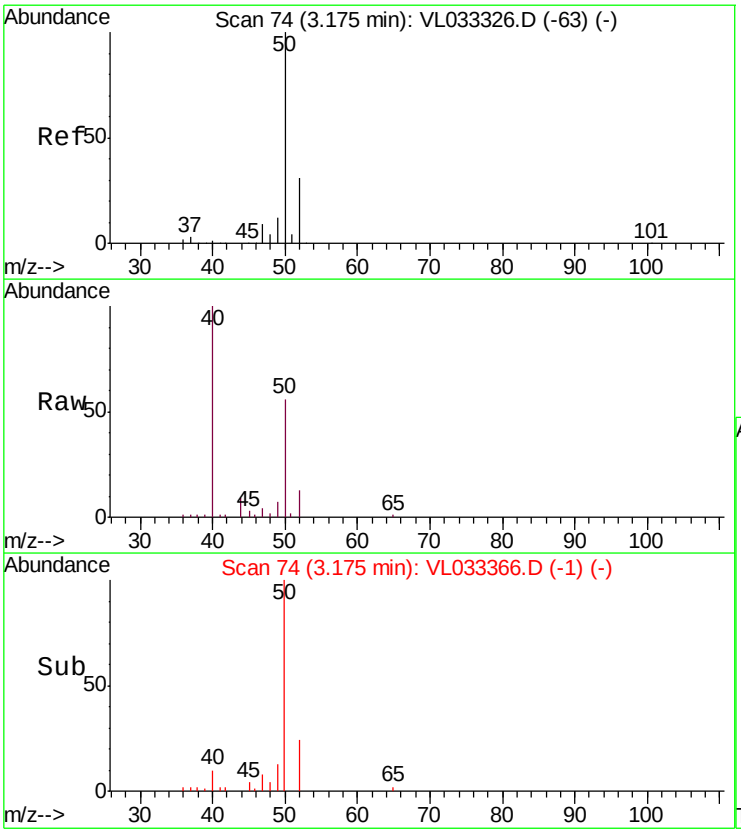
#3
Chlorodifluoromethane
Concen: 2.940 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 51 Resp: 237648

Ion	Ratio	Lower	Upper
51	100		
67	9.6	14.9	22.3#

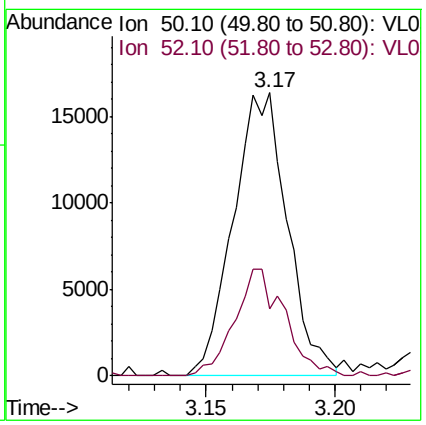


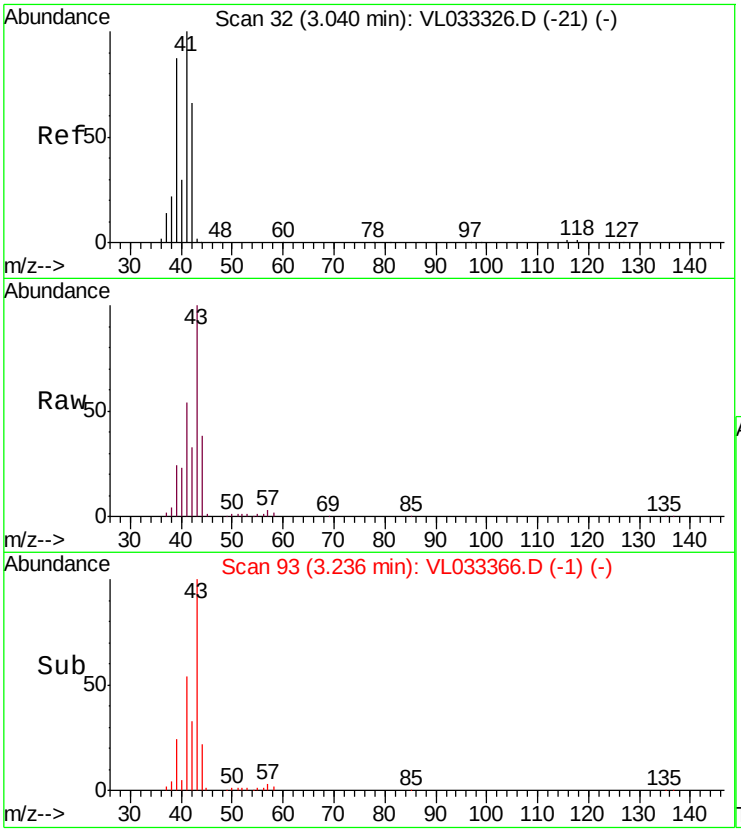


#4
Chloromethane
Concen: 0.550 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 50 Resp: 24073

Ion	Ratio	Lower	Upper
50	100		
52	22.8	25.0	37.6#



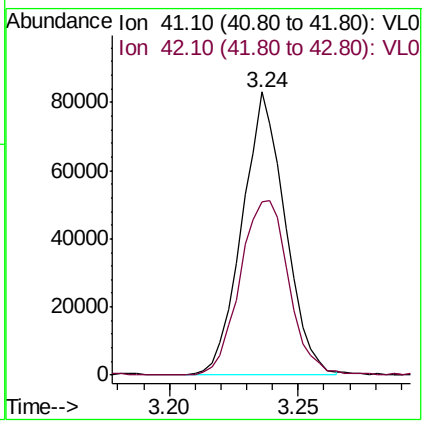


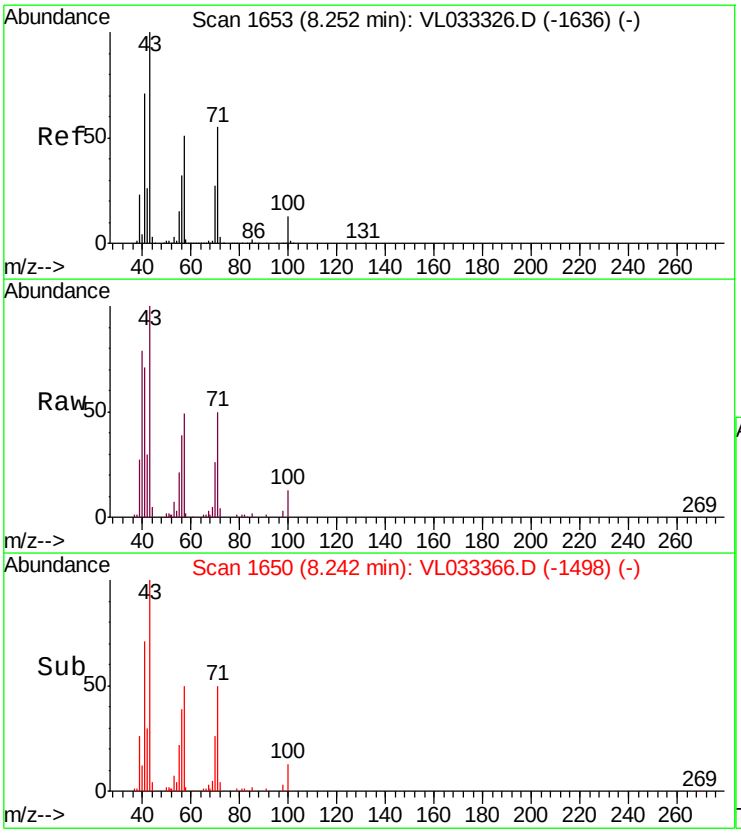
#9
Propene
Concen: 2.691 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 41 Resp: 97090

Ion	Ratio	Lower	Upper
41	100		
42	70.5	55.2	82.8

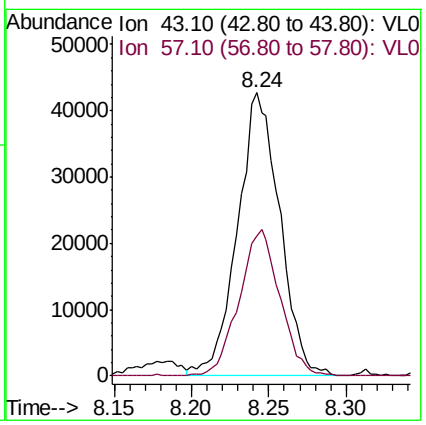


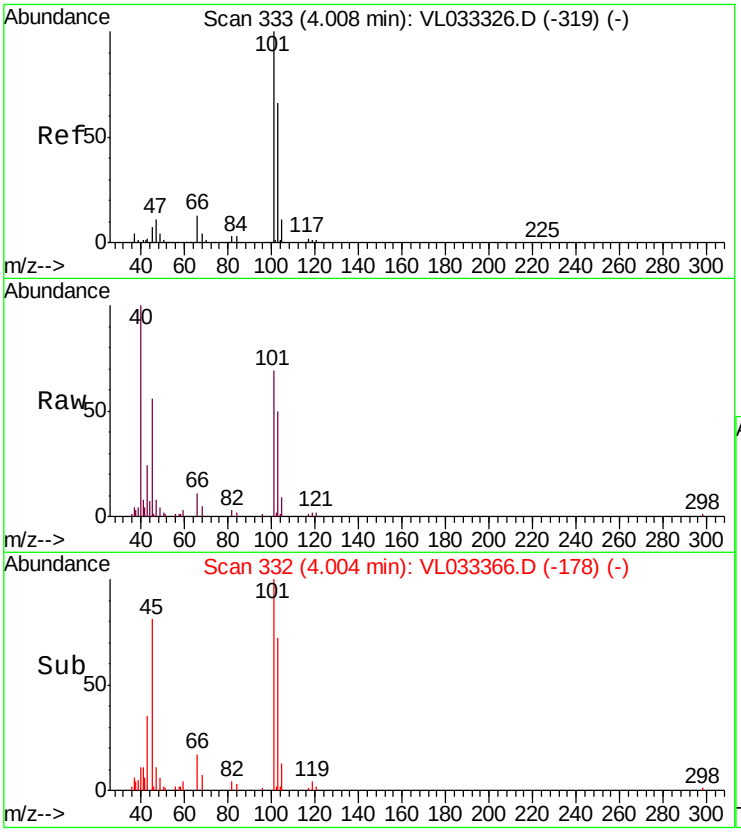


#10
Heptane
Concen: 0.905 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 43 Resp: 81022

Ion	Ratio	Lower	Upper
43	100		
57	50.0	40.4	60.6



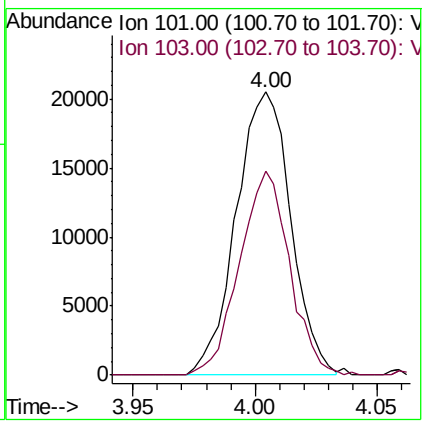


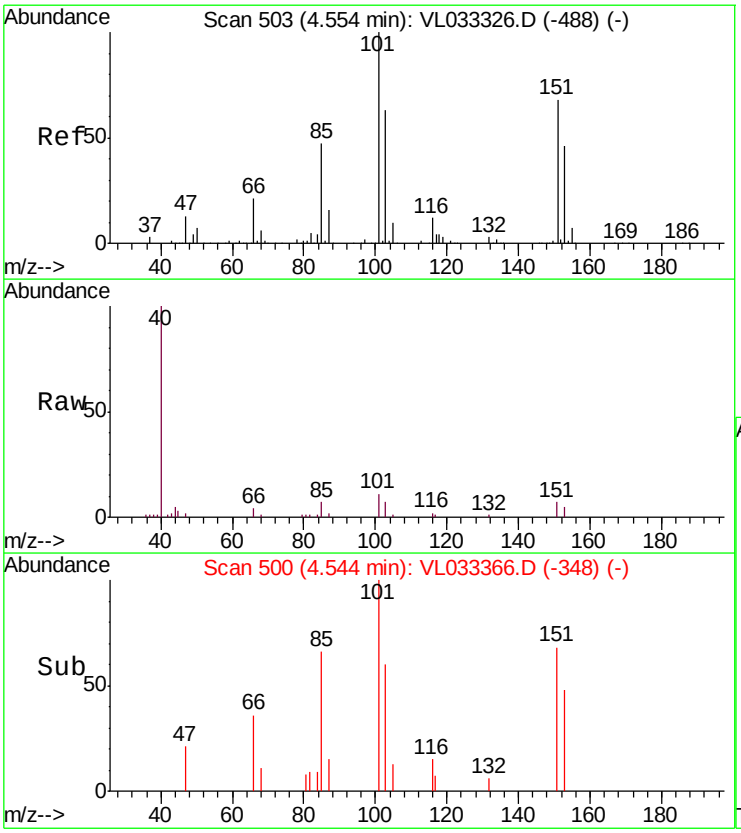
#11
Trichlorofluoromethane
Concen: 0.258 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion:101 Resp: 31852

Ion	Ratio	Lower	Upper
101	100		
103	72.3	52.9	79.3

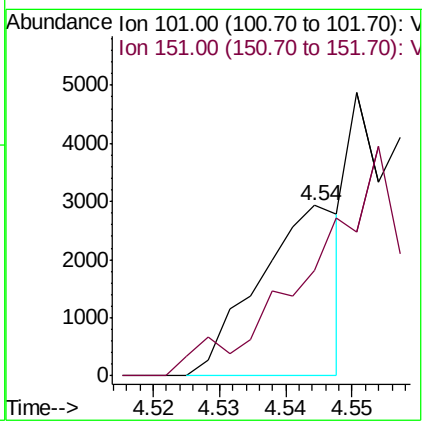


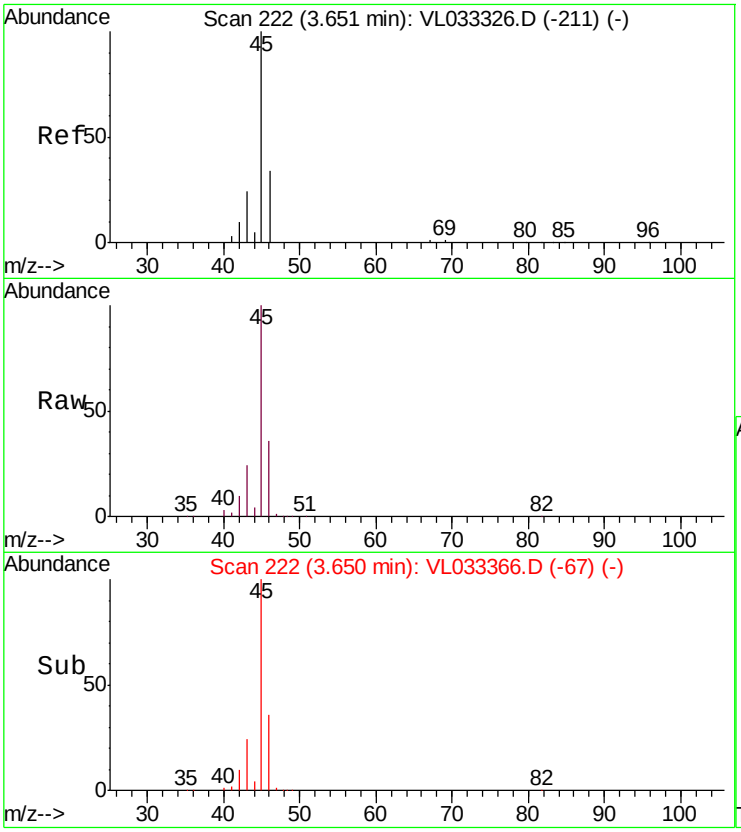


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.031 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion:101 Resp: 2524

Ion	Ratio	Lower	Upper
101	100		
151	0.0	56.3	84.5#



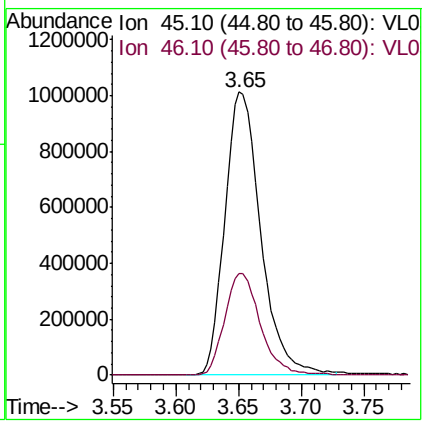


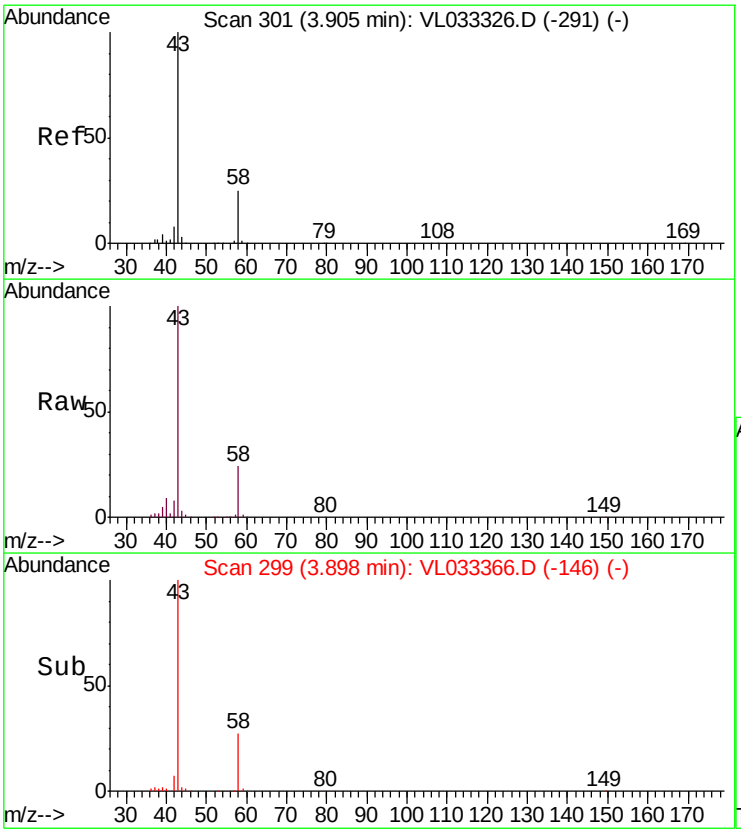
#13
Ethanol
Concen: 117.100 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument :
MSVOA_L
ClientSampleId :
A-9

Tgt Ion: 45 Resp: 2014116

Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.9	59.7

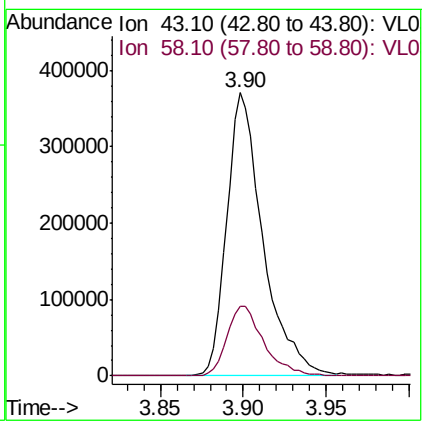


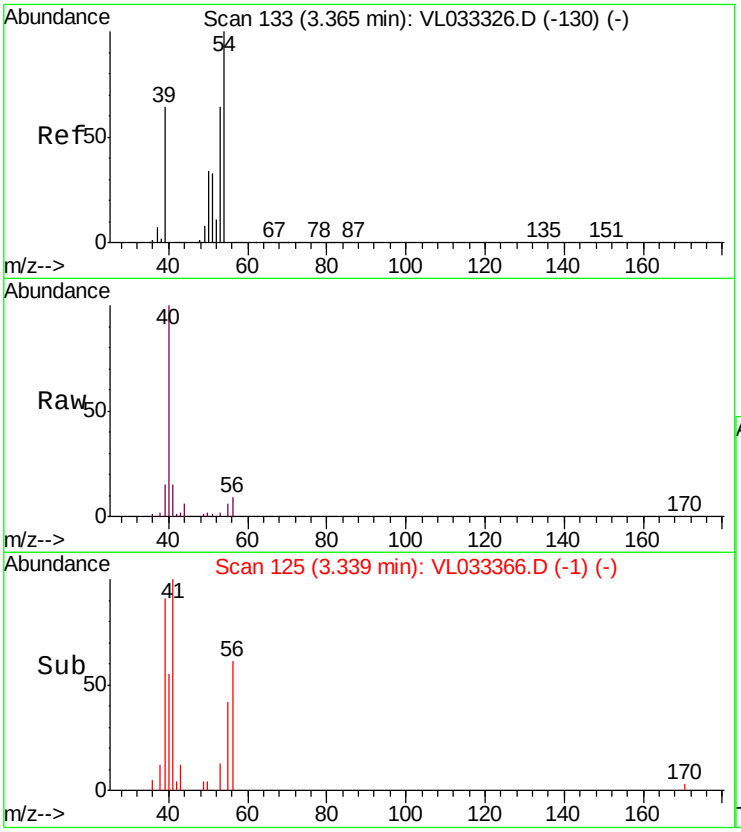


#15
Acetone
Concen: 5.118 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 43 Resp: 560209

Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.4	30.6



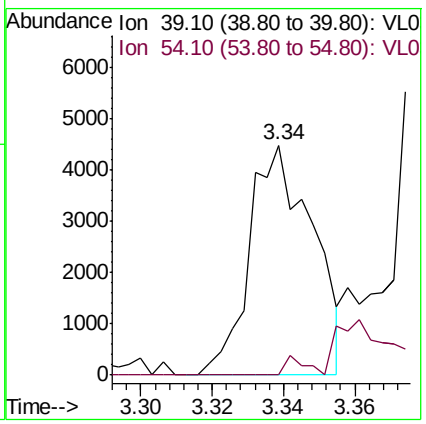


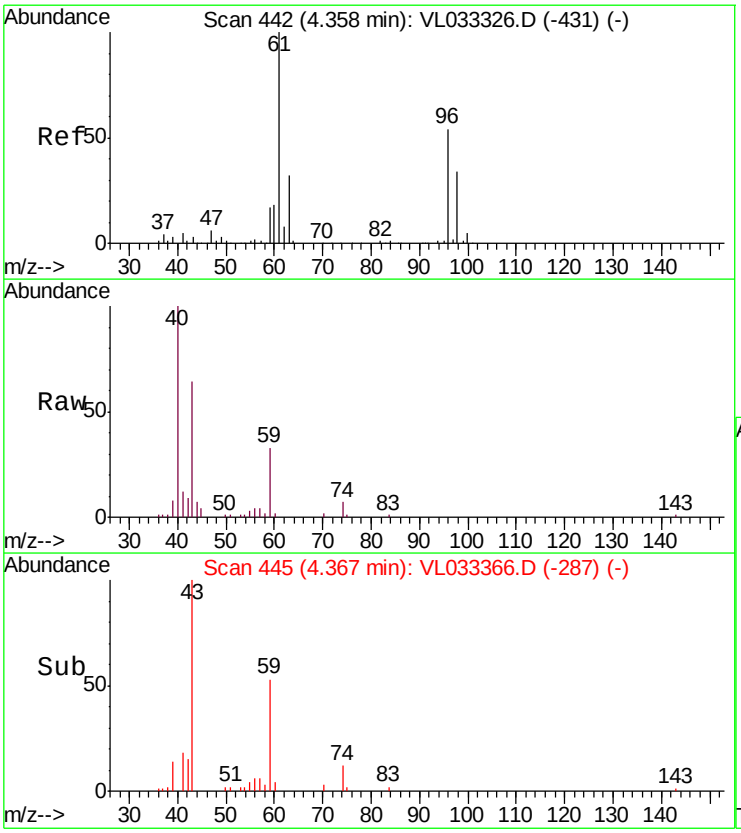
#16
1,3-Butadiene
Concen: 0.155 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.03 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 39 Resp: 5501

Ion	Ratio	Lower	Upper
39	100		
54	21.5	76.8	115.2#

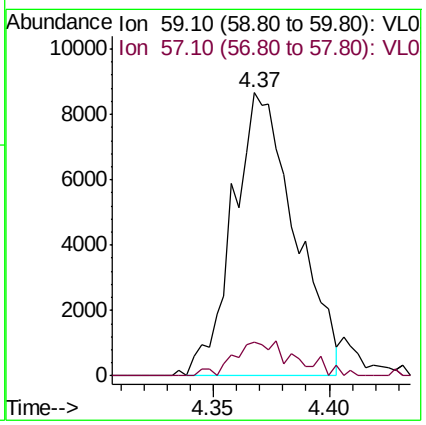


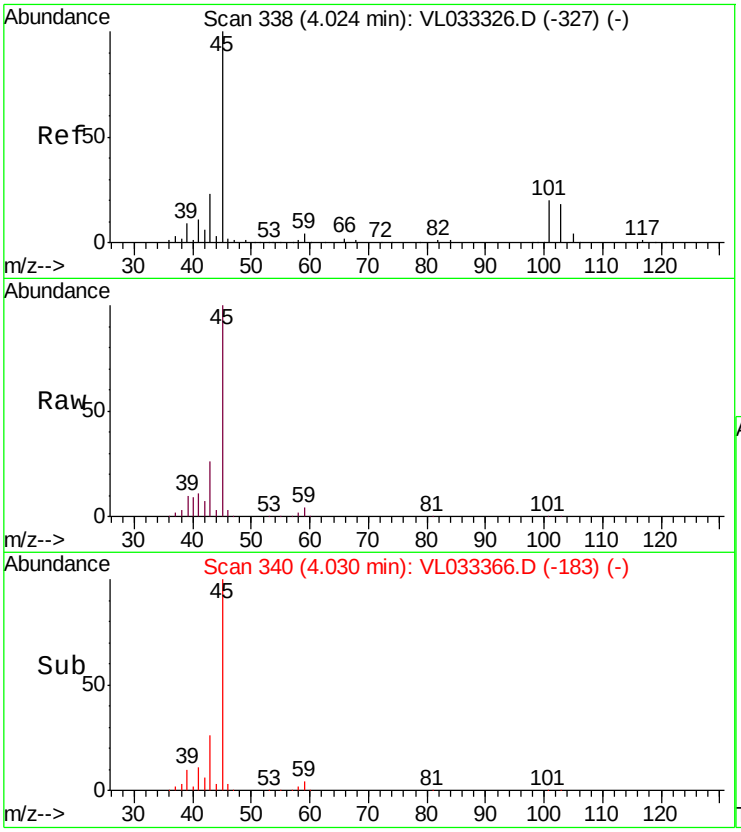


#17
tert-Butyl alcohol
Concen: 1.046 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 59 Resp: 16109

Ion	Ratio	Lower	Upper
59	100		
57	12.1	7.7	11.5#



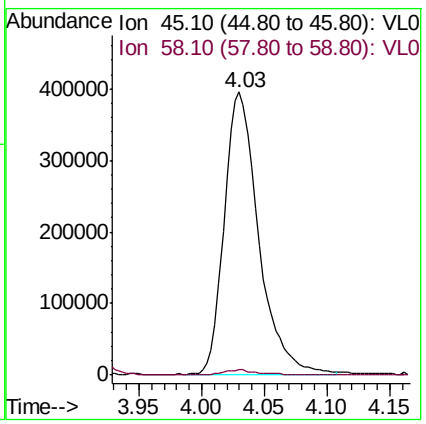


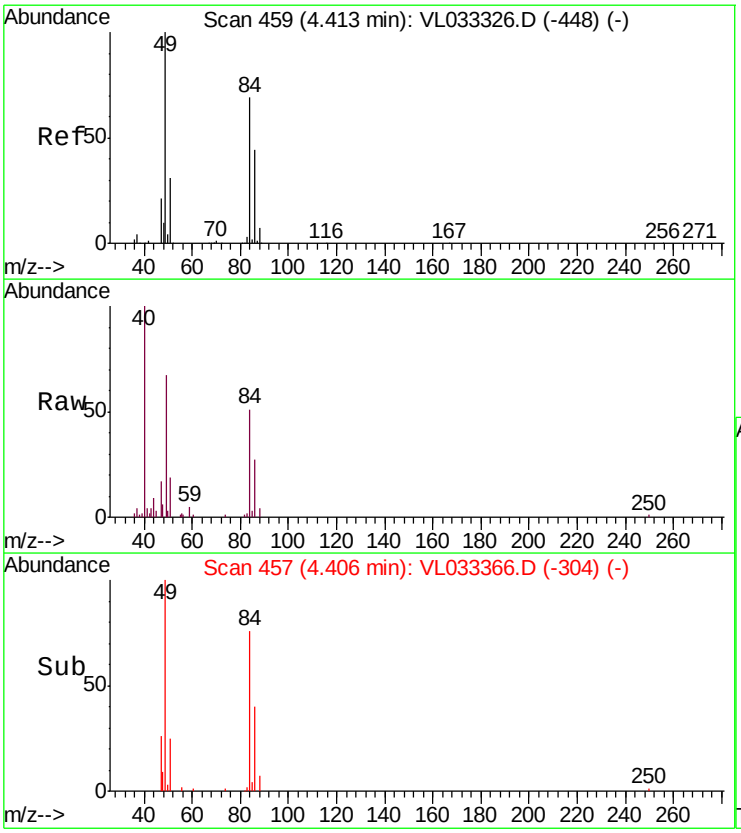
#19
Isopropyl Alcohol
Concen: 14.394 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 45 Resp: 749483

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.5	2.3

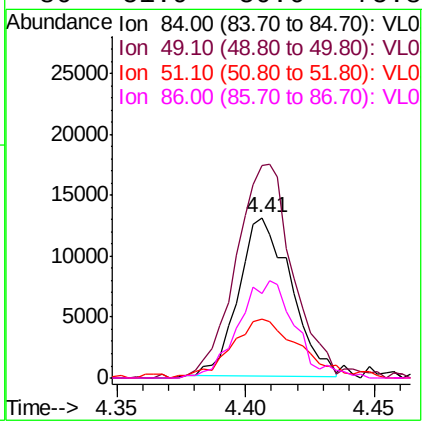


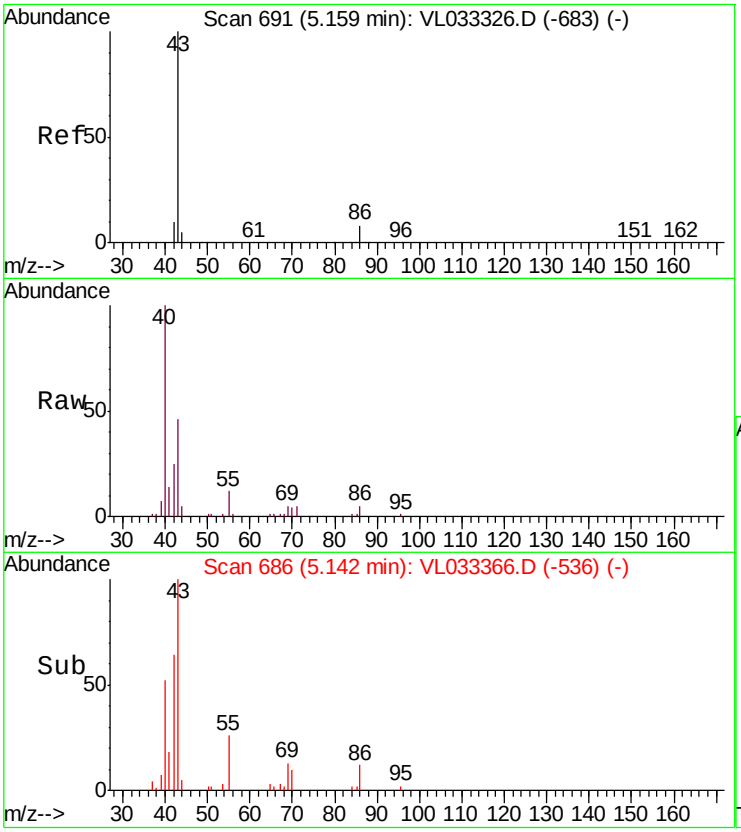


#20
Methylene Chloride
Concen: 0.521 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 84 Resp: 18583

Ion	Ratio	Lower	Upper
84	100		
49	133.1	115.4	173.0
51	36.1	35.8	53.6
86	51.9	50.6	75.8



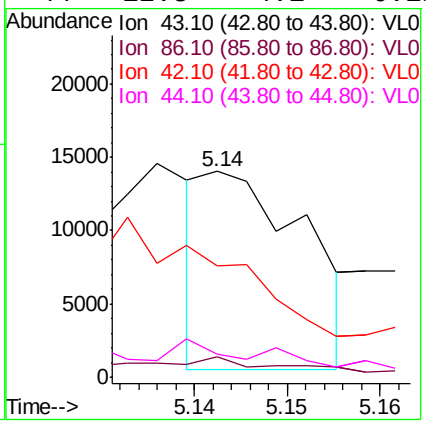


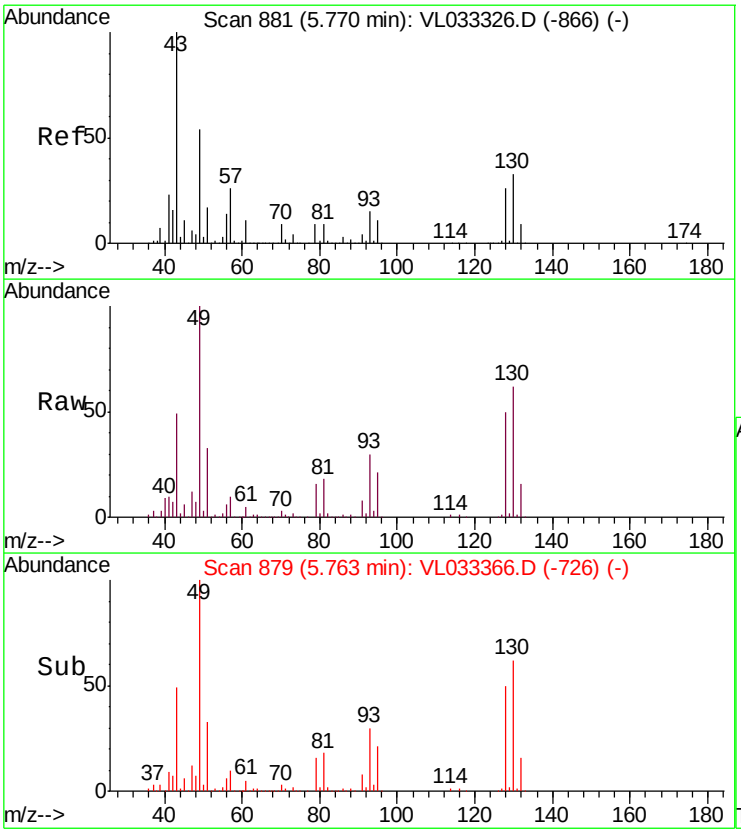
#23
Vinyl Acetate
Concen: 0.081 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.02 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 43 Resp: 10239

Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.2	9.2#
42	69.7	8.1	12.1#
44	12.3	4.1	6.1#

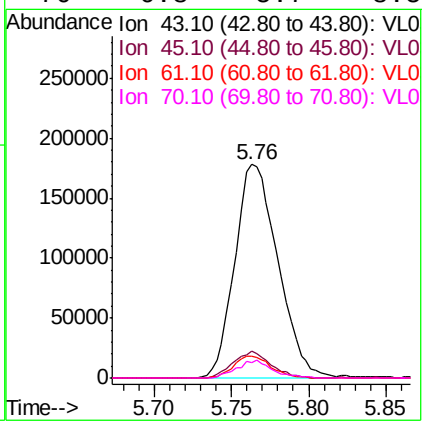


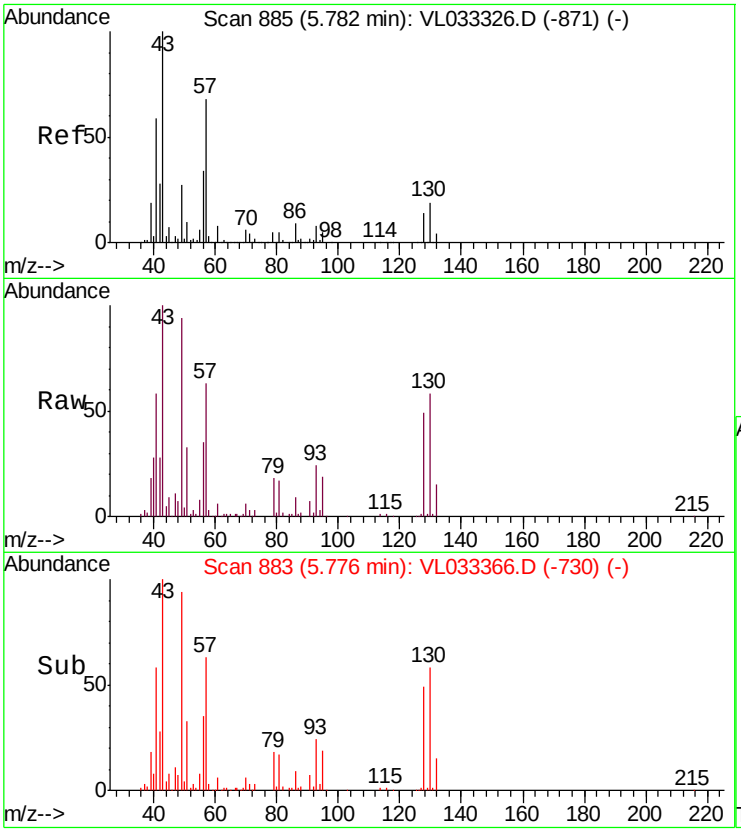


#25
Ethyl Acetate
Concen: 2.166 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 43 Resp: 344578

Ion	Ratio	Lower	Upper
43	100		
45	11.1	7.9	11.9
61	9.0	7.4	11.2
70	6.8	5.7	8.5



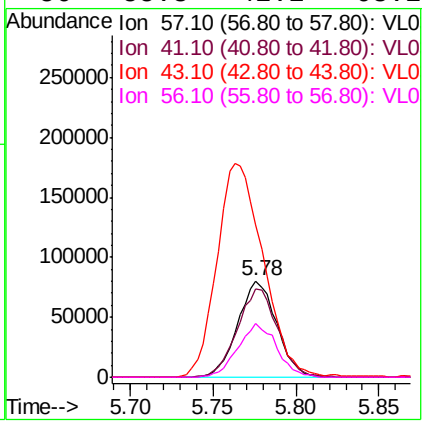


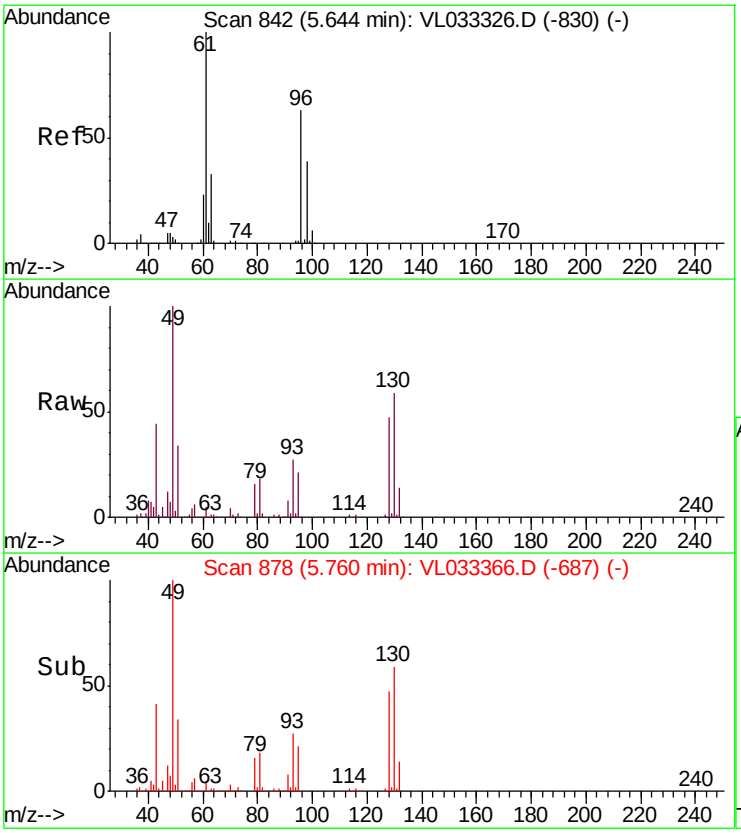
#26
Hexane
Concen: 1.850 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 57 Resp: 131610

Ion	Ratio	Lower	Upper
57	100		
41	95.0	70.5	105.7
43	263.3	181.8	272.8
56	55.3	42.2	63.2

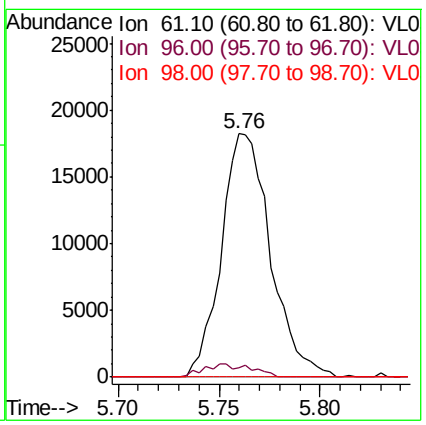


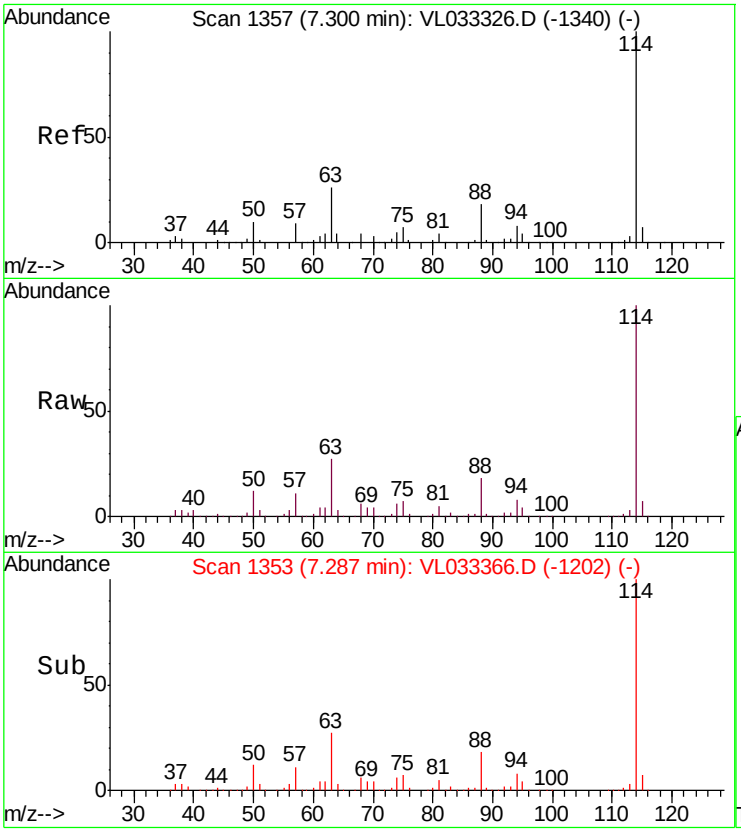


#31
cis-1,2-Dichloroethene
Concen: 0.437 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.12 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 61 Resp: 31051

Ion	Ratio	Lower	Upper
61	100		
96	4.1	50.3	75.5#
98	0.0	31.5	47.3#



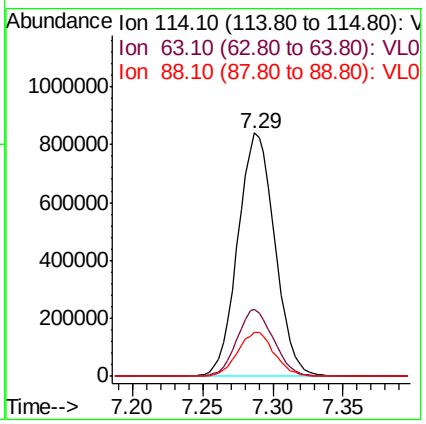


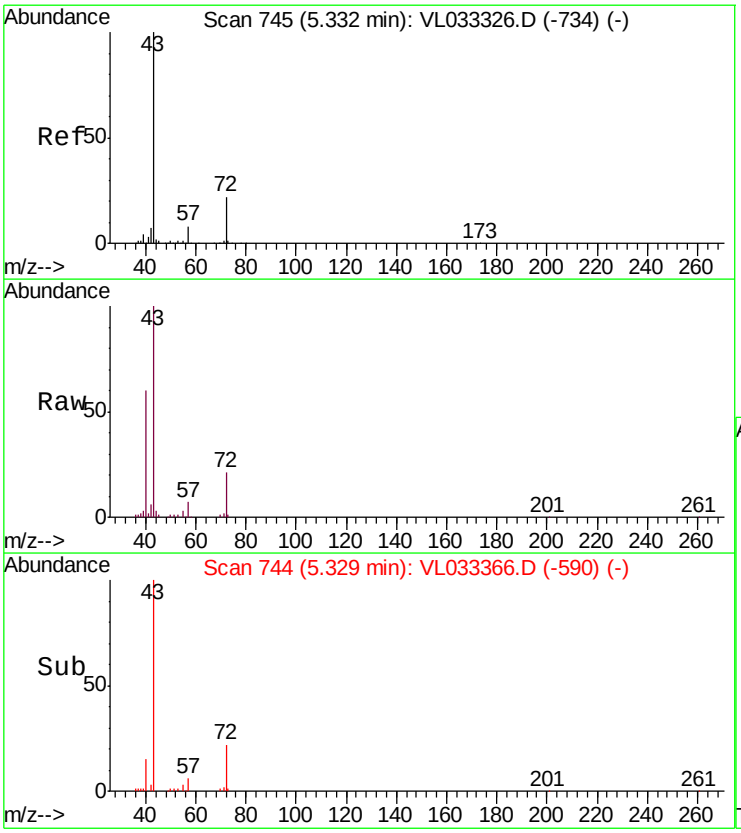
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument :
MSVOA_L
ClientSampleId :
A-9

Tgt Ion:114 Resp: 1545167

Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.4	32.2
88	18.1	14.5	21.7

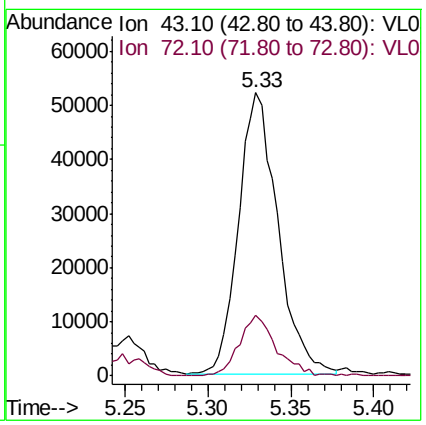


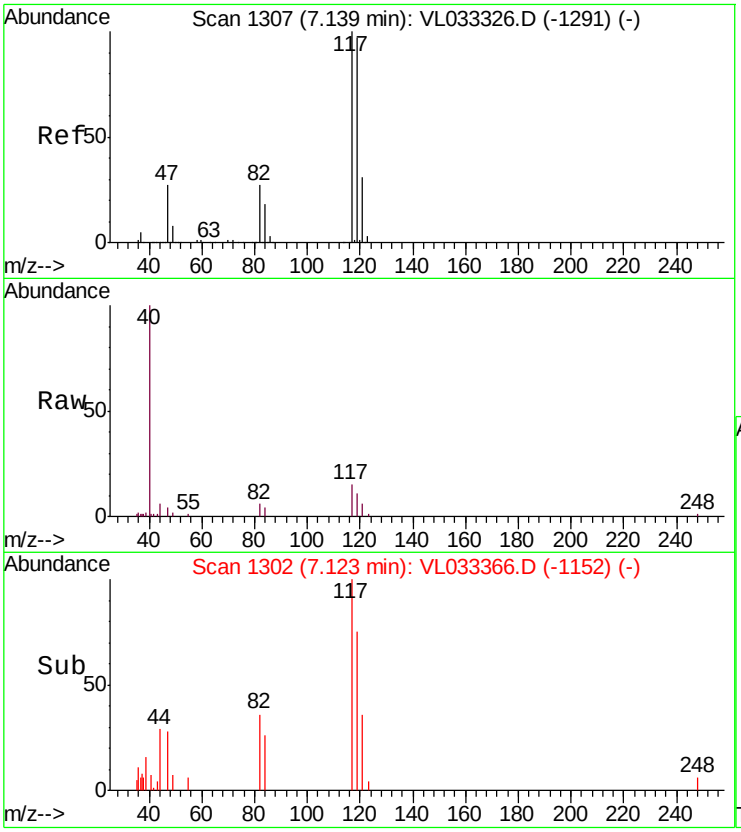


#34
2-Butanone
Concen: 0.840 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 43 Resp: 85196

Ion	Ratio	Lower	Upper
43	100		
72	20.6	17.7	26.5



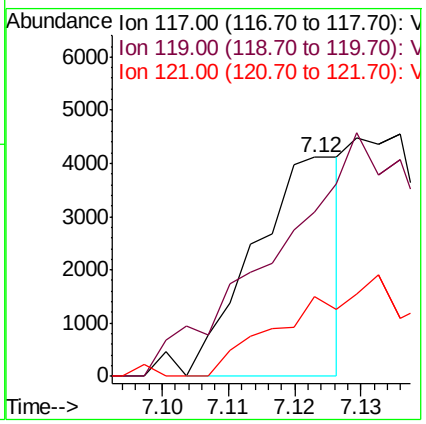


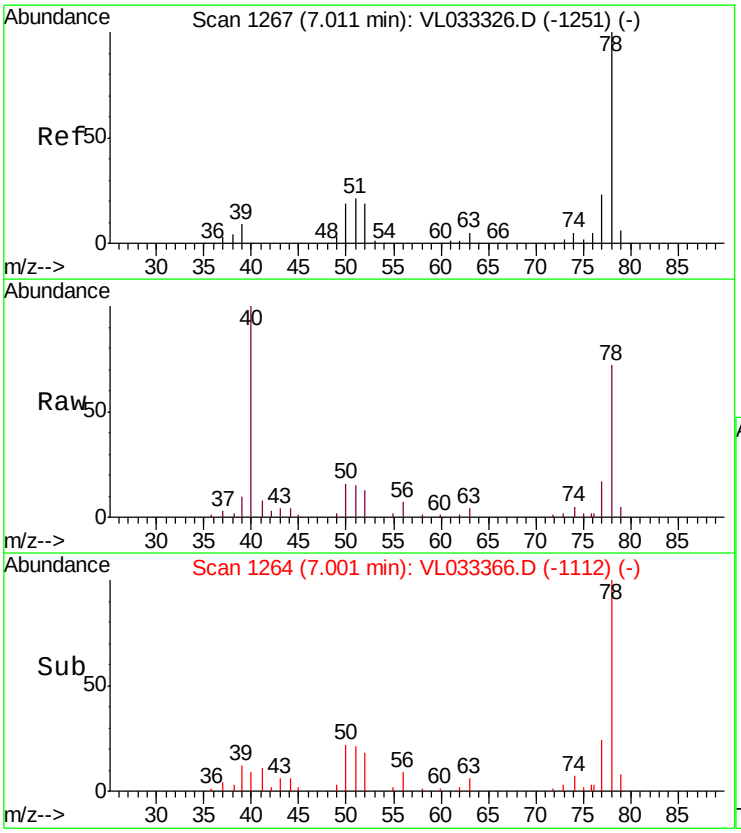
#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 7.12 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument :
MSVOA_L
ClientSampleId :
A-9

Tgt Ion:117 Resp: 3772

Ion	Ratio	Lower	Upper
117	100		
119	52.1	77.4	116.0#
121	36.4	24.9	37.3

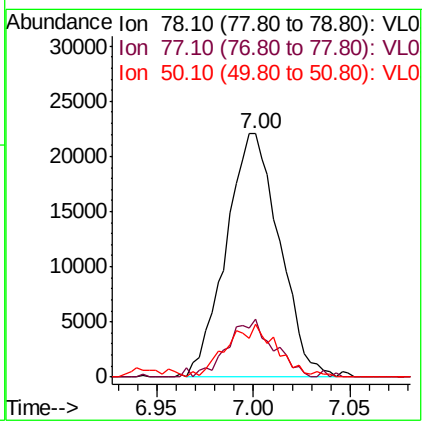


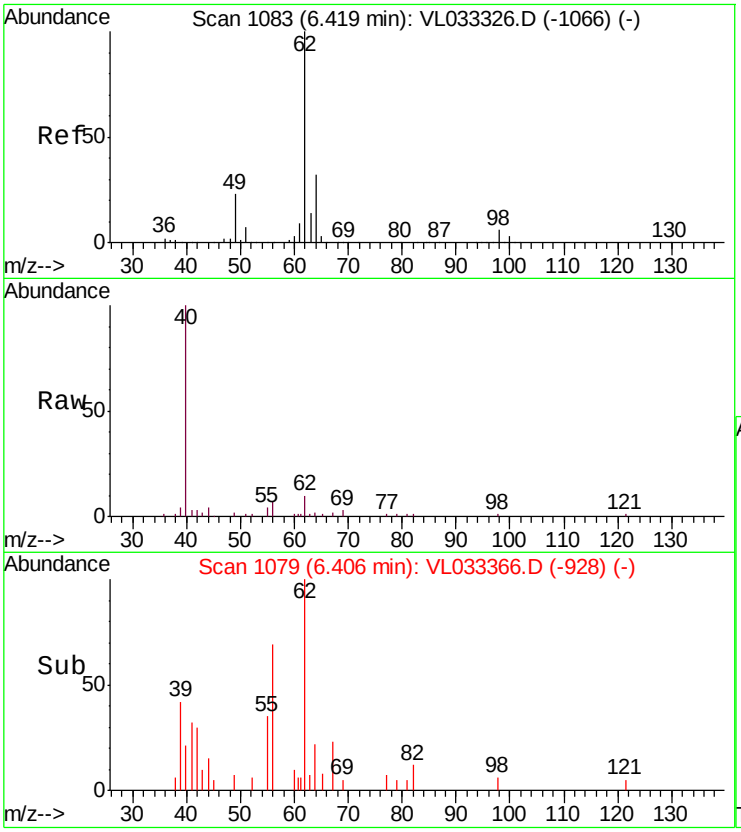


#36
Benzene
Concen: 0.306 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 78 Resp: 42317

Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.1	27.1
50	21.9	15.2	22.8



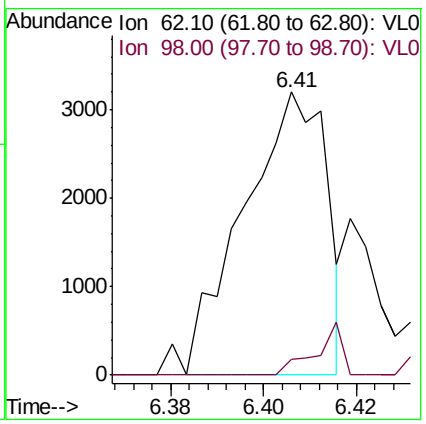


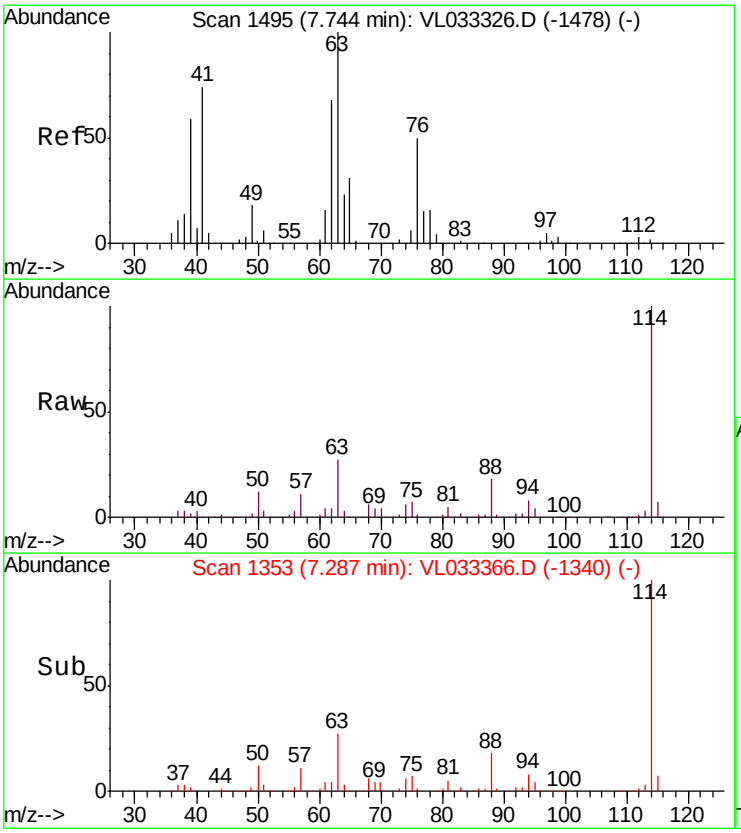
#37
1,2-Dichloroethane
Concen: 0.045 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 62 Resp: 3969

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.5	6.7#

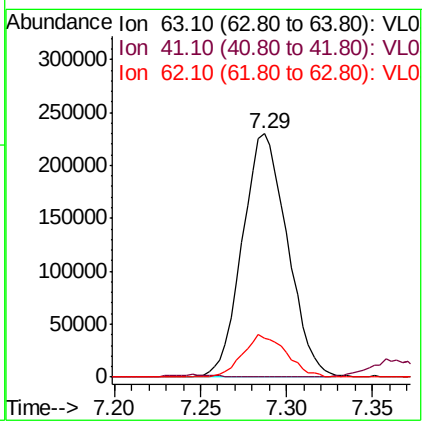


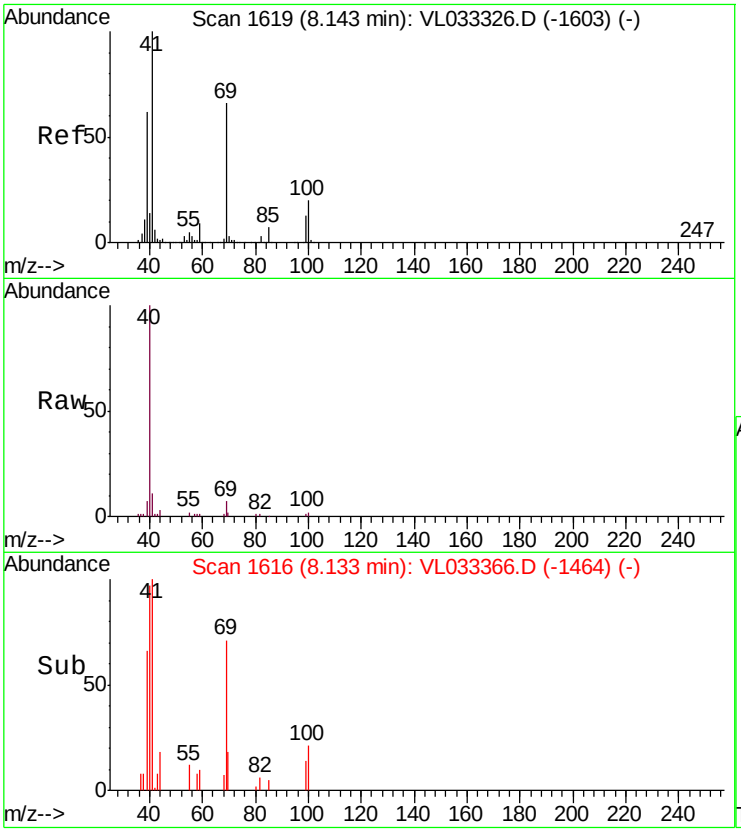


#39
1,2-Dichloropropane
Concen: 8.069 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.46 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 63 Resp: 417863

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.5	89.3#
62	16.2	54.7	82.1#



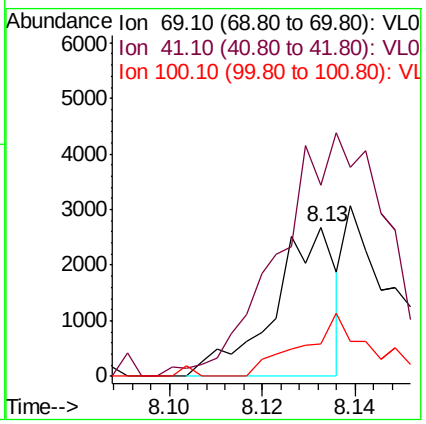


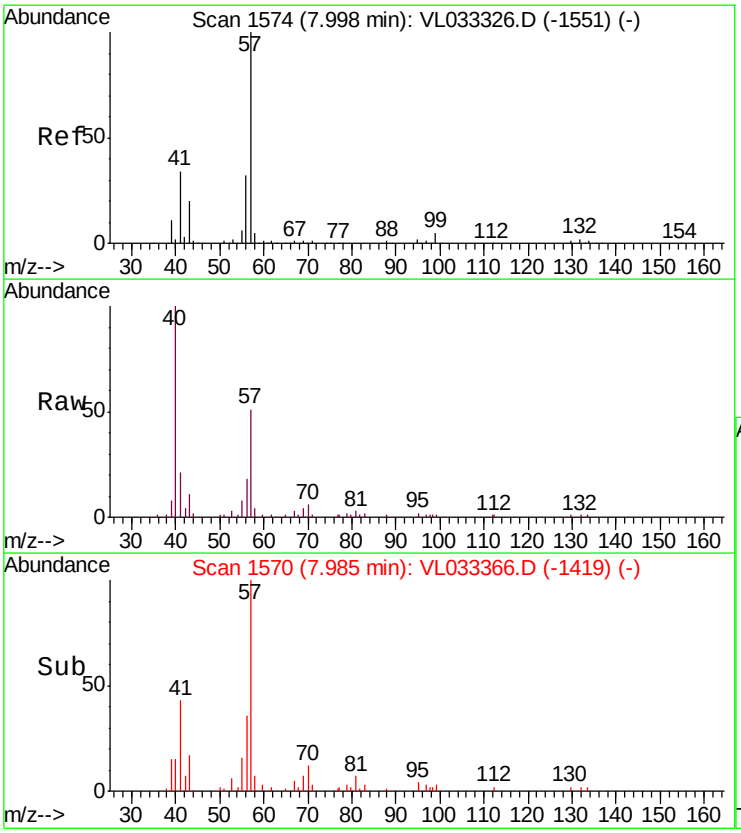
#43
Methyl Methacrylate
Concen: 0.046 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 69 Resp: 2455

Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.5	179.3#
100	0.0	24.4	36.6#

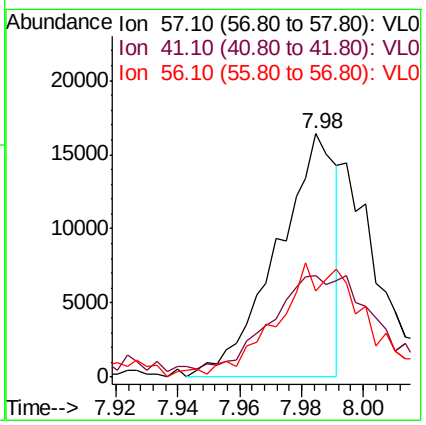


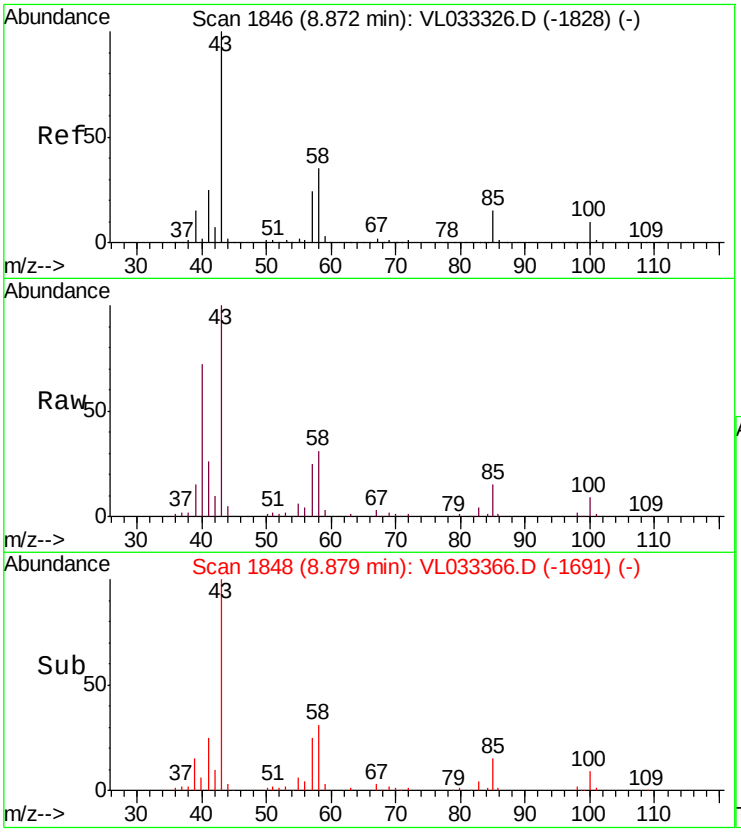


#44
2,2,4-Trimethylpentane
Concen: 0.094 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 57 Resp: 21565

Ion	Ratio	Lower	Upper
57	100		
41	82.7	26.0	39.0#
56	71.9	24.6	36.8#



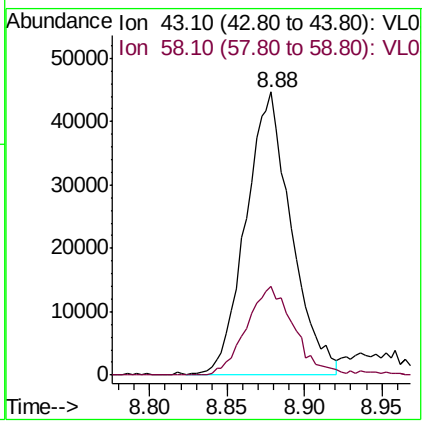


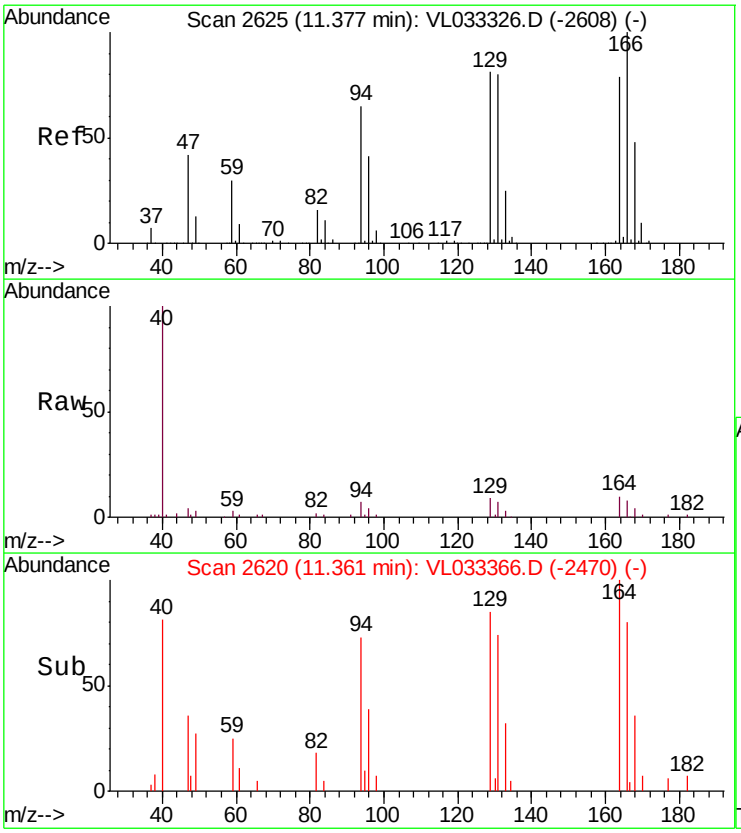
#50
4-Methyl-2-Pentanone
Concen: 0.639 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 43 Resp: 91640

Ion	Ratio	Lower	Upper
43	100		
58	33.4	28.4	42.6

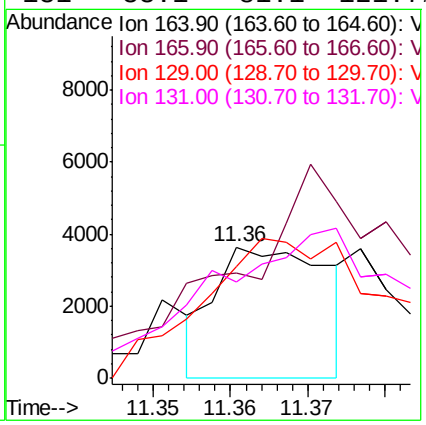


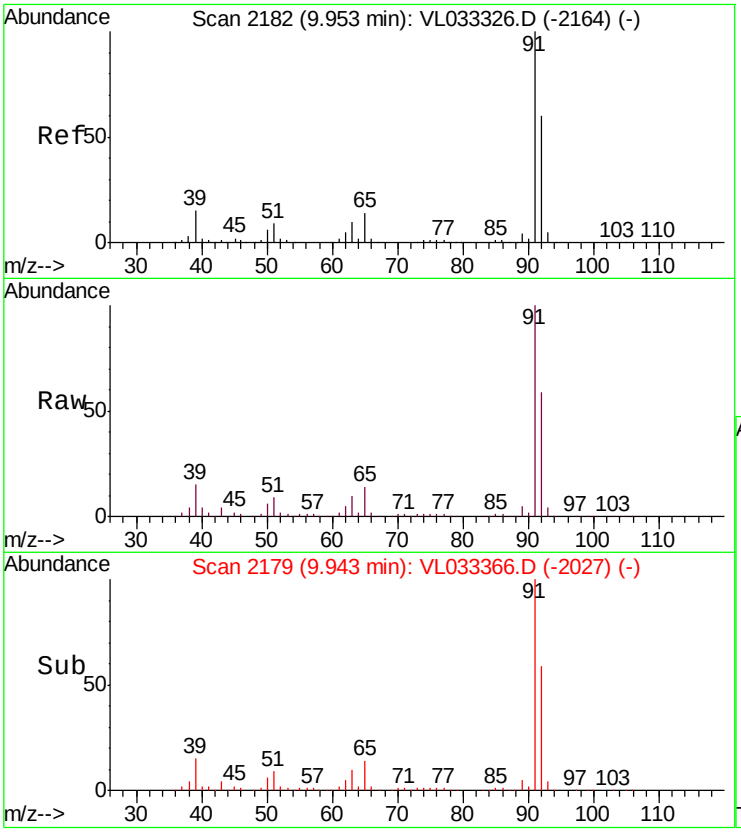


#52
Tetrachloroethene
Concen: 0.063 ppbv
RT: 11.36 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion:164 Resp: 3647

Ion	Ratio	Lower	Upper
164	100		
166	23.2	101.5	152.3#
129	77.6	82.2	123.2#
131	33.1	81.1	121.7#



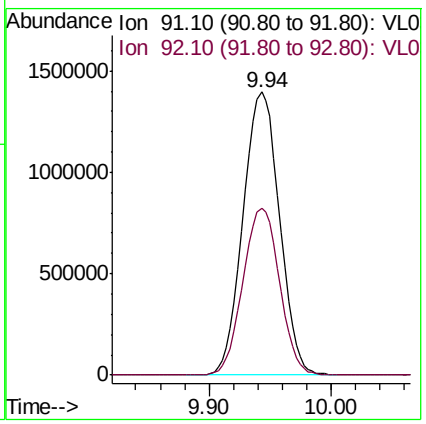


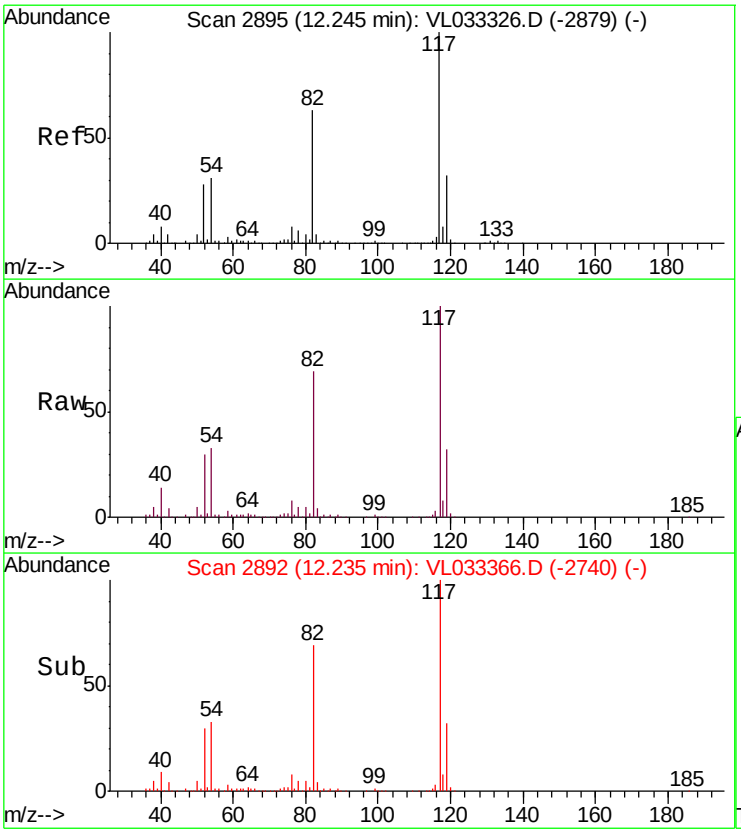
#53
Toluene
Concen: 18.316 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 91 Resp: 2877949

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.4	71.0

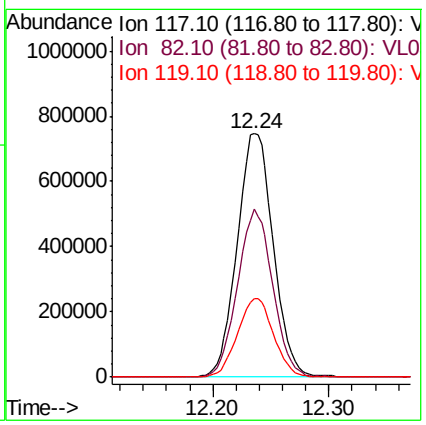


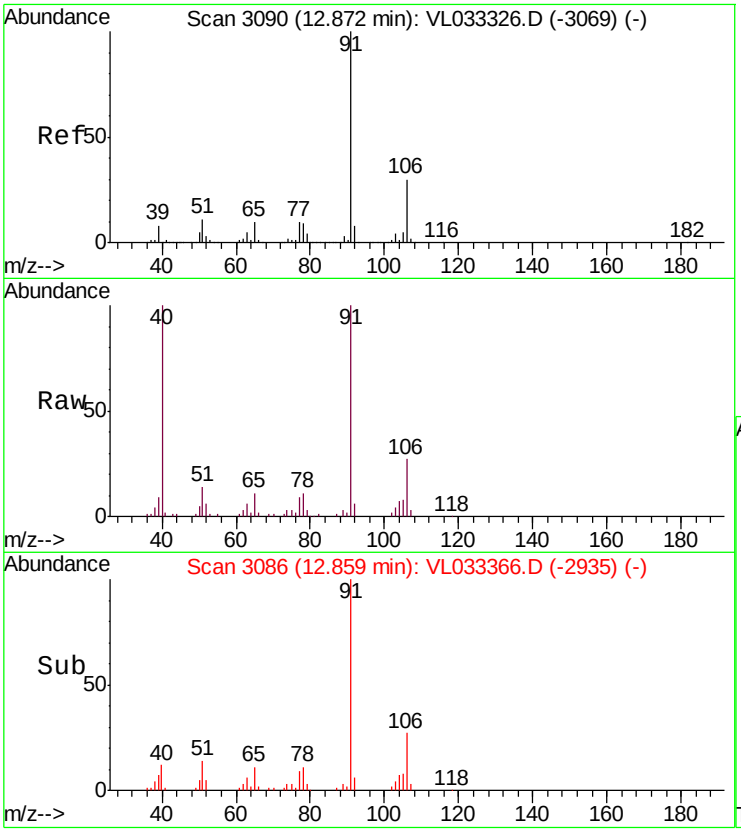


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion:117 Resp: 1622865

Ion	Ratio	Lower	Upper
117	100		
82	67.1	53.4	80.2
119	32.3	27.3	40.9



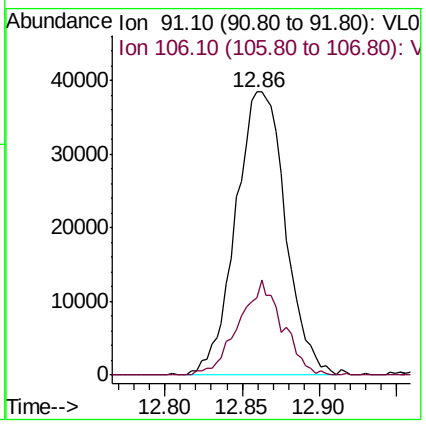


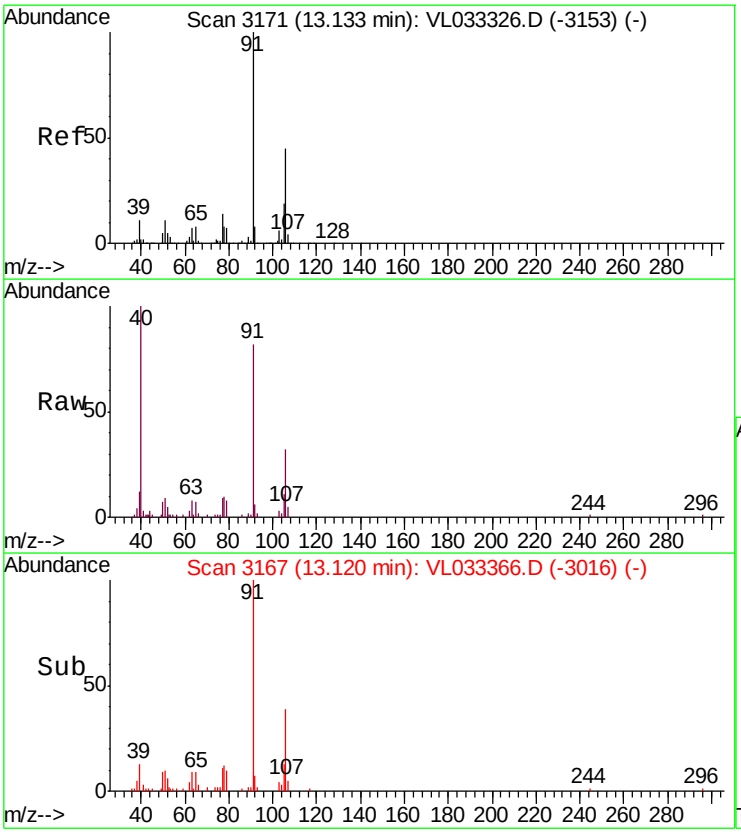
#58
Ethyl Benzene
Concen: 0.375 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 91 Resp: 86030

Ion	Ratio	Lower	Upper
91	100		
106	27.2	24.2	36.2

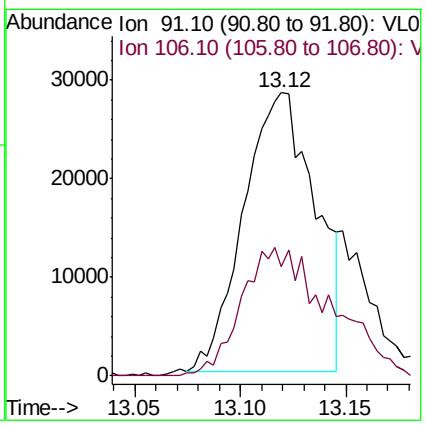


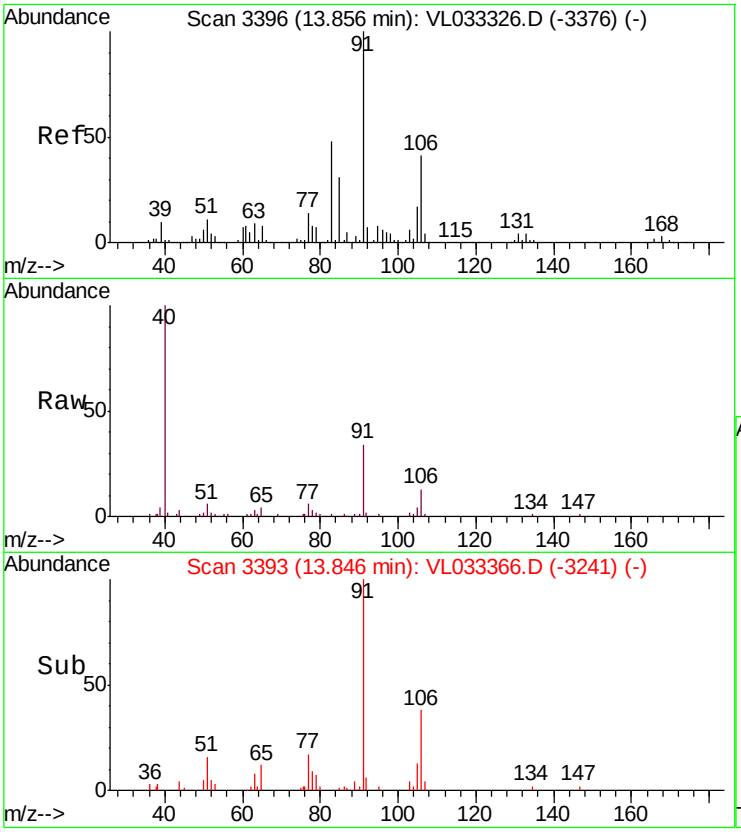


#59
m/p-Xylene
Concen: 0.339 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion: 91 Resp: 66839

Ion	Ratio	Lower	Upper
91	100		
106	56.8	0.0	0.0#



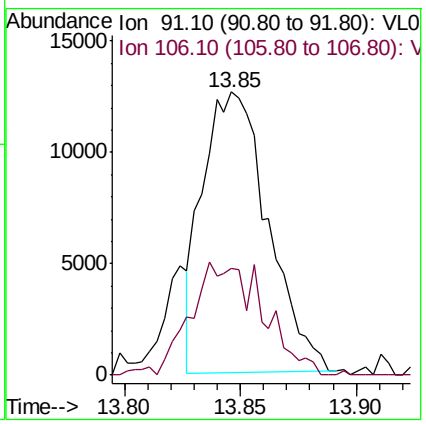


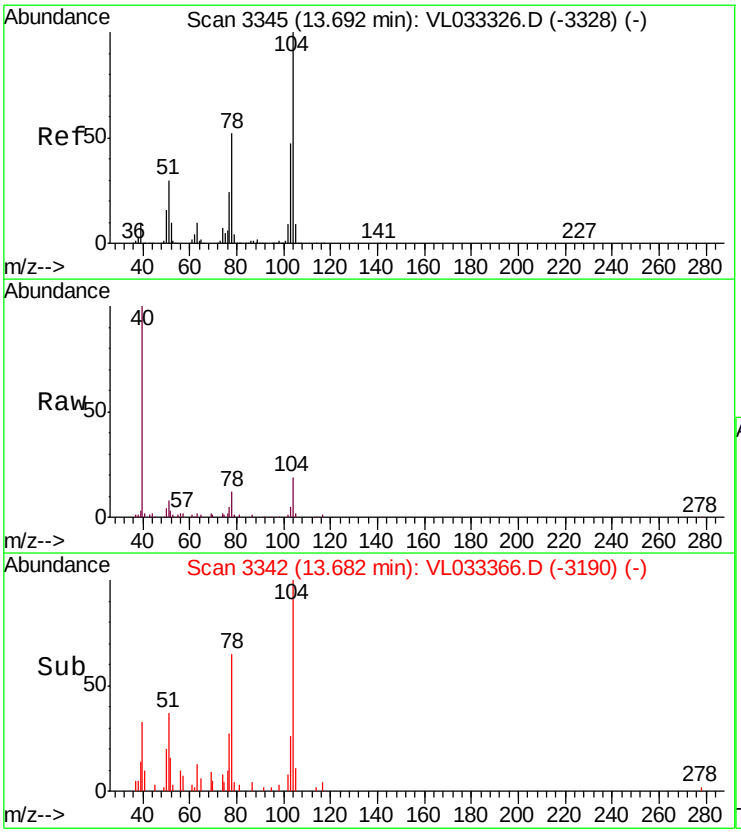
#60
o-Xylene
Concen: 0.128 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 91 Resp: 24666

Ion	Ratio	Lower	Upper
91	100		
106	45.1	21.3	63.9

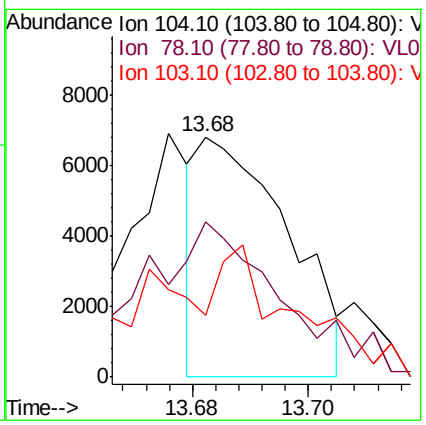


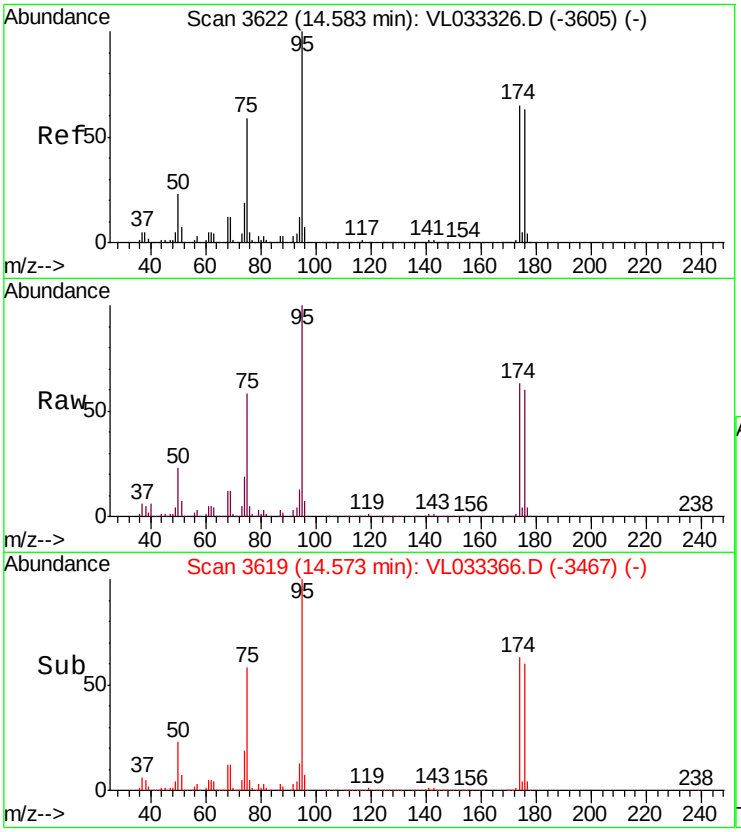


#61
Styrene
Concen: 0.054 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion:104 Resp: 7315

Ion	Ratio	Lower	Upper
104	100		
78	115.3	42.7	64.1#
103	93.8	38.0	57.0#



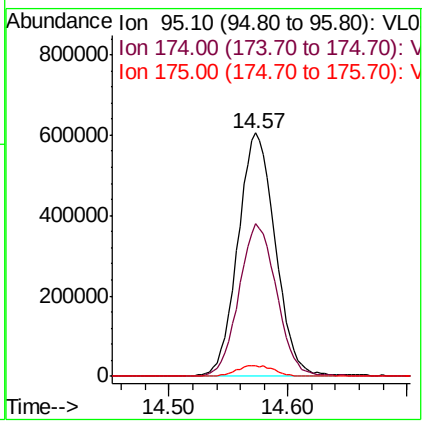


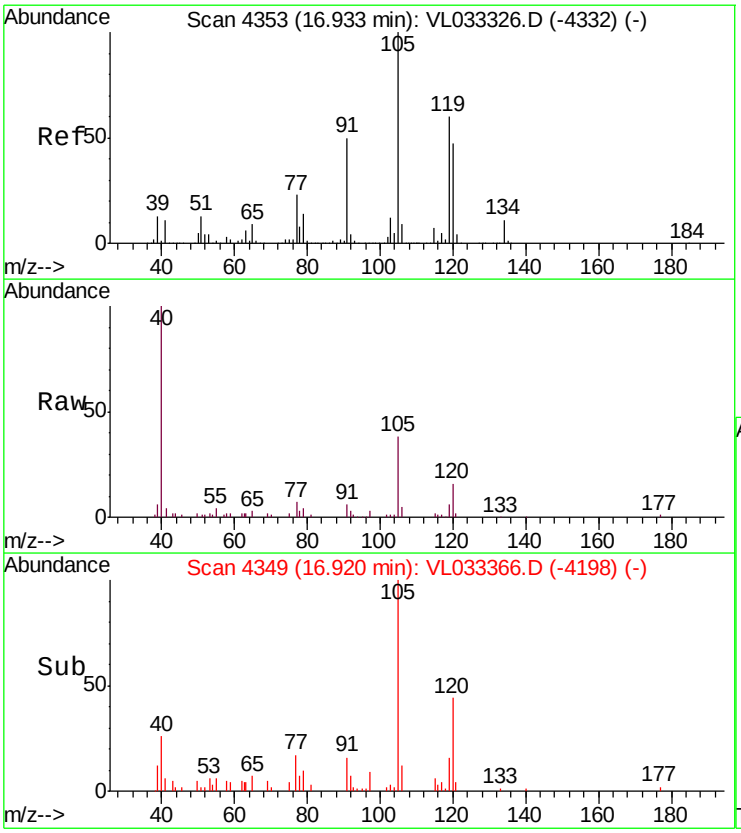
#68
1-Bromo-4-Fluorobenzene
Concen: 10.951 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Instrument : MSVOA_L
ClientSampleId : A-9

Tgt Ion: 95 Resp: 1316882

Ion	Ratio	Lower	Upper
95	100		
174	63.5	51.5	77.3
175	4.7	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.075 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033366.D
Acq: 18 Mar 2019 20:04

Tgt Ion:105 Resp: 16946

Ion	Ratio	Lower	Upper
105	100		
120	47.9	37.4	56.2
91	14.4	41.0	61.4#
77	16.4	18.5	27.7#