Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033400.D
Acq On : 20 Mar 2019 21:46
Operator : SY/AP
Sample : K1975-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2

Quant Time: Mar 21 12:39:15 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	5.77	49	808676	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2274334	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2163463	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1623538	10.13	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	63443	0.446	ppbv		99
3) Chlorodifluoromethane	3.01	51	81477	0.878	ppbv	#	85
4) Chloromethane	3.17	50	33912	0.675	ppbv		93
9) Propene	3.24	41	1962697	47.369	ppbv		95
10) Heptane	8.25	43	2717545	26.443	ppbv		99
11) Trichlorofluoromethane	4.00	101	86792	0.613	ppbv		88
13) Ethanol	3.67	45	5349271	270.813	ppbv		99
15) Acetone	3.90	43	26563006	211.308	ppbv	#	82
16) 1,3-Butadiene	3.34	39	445530	10.912	ppbv	#	7
17) tert-Butyl alcohol	4.38	59	14330	0.810	ppbv	#	74
19) Isopropyl Alcohol	4.05	45	213131	3.564	ppbv	#	95
20) Methylene Chloride	4.42	84	212625	5.186	ppbv	#	88
21) Allyl Chloride	4.44	41	1378548	22.607	ppbv	#	61
23) Vinyl Acetate	5.14	43	2902404	19.955	ppbv	#	1
24) 1,1-Dichloroethane	5.15	63	22216	0.211	ppbv	#	88
25) Ethyl Acetate	5.79	43	3303303	18.077	ppbv	#	78
26) Hexane	5.79	57	4629023	56.664	ppbv	#	40
28) Methyl tert-Butyl Ether	5.12	73	103641	0.854	ppbv	#	54
30) Cyclohexane	7.26	84	1129482	17.245	ppbv		94
34) 2-Butanone	5.33	43	2210806	14.802	ppbv		100
35) Carbon Tetrachloride	7.15	117	5662	0.035	ppbv		90
36) Benzene	7.01	78	2579431	12.673	ppbv		99
37) 1,2-Dichloroethane	6.43	62	14373	0.112	ppbv	#	87
38) Trichloroethene	7.97	130	101905	1.323	ppbv		94
39) 1,2-Dichloropropane	7.62	63	6353	0.083	ppbv	#	1
41) Tetrahydrofuran	6.08	42	161353	2.024	ppbv	#	37
42) Bromodichloromethane	7.92	83	203987	1.182	ppbv	#	24
43) Methyl Methacrylate	8.12	69	16900	0.213	ppbv	#	1
44) 2,2,4-Trimethylpentane	8.00	57	5557739	16.486	ppbv	#	82
50) 4-Methyl-2-Pentanone	8.89	43	136222	0.646	ppbv		99
51) 2-Hexanone	10.25	43	330941	2.033	ppbv	#	34
52) Tetrachloroethene	11.43	164	24611541	290.244	ppbv		87
53) Toluene	9.97	91	25345566	109.588	ppbv	#	81
58) Ethyl Benzene	12.87	91	2719043	8.884	ppbv		99
59) m/p-Xylene	13.13	91	7690286	29.239	ppbv	#	100
60) o-Xylene	13.86	91	3058907	11.921	ppbv		98
61) Styrene	13.69	104	15447	0.086	ppbv	#	1
62) Isopropylbenzene	14.83	105	294201	0.825	ppbv		100
64) n-propylbenzene	15.73	120	271228	3.005	ppbv		99
65) tert-Butylbenzene	16.93	119	493482	1.537	ppbv	#	72
66) Benzyl Chloride	17.38	91	79175	0.597	ppbv	#	67

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
Data File : VL033400.D
Acq On : 20 Mar 2019 21:46
Operator : SY/AP
Sample : K1975-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2

Quant Time: Mar 21 12:39:15 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)
67) sec-Butylbenzene	17.46	105	67645	0.149	ppbv	#	60
69) p-Isopropyltoluene	17.70	119	159640	0.429	ppbv		94
70) n-Butylbenzene	18.72	91	266364	0.672	ppbv	#	12
71) 2-Chlorotoluene	15.72	91	1302240	4.690	ppbv	#	46
72) 4-Ethyltoluene	16.00	105	1496028	5.134	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	1267971	4.467	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	4516588	15.023	ppbv	#	70
79) Naphthalene	22.42	128	413534	1.427	ppbv		99
80) Naphthalene,2-methyl-	25.43	142	94122	0.685	ppbv		98

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032019\
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Acq On : 20 Mar 2019 21:46
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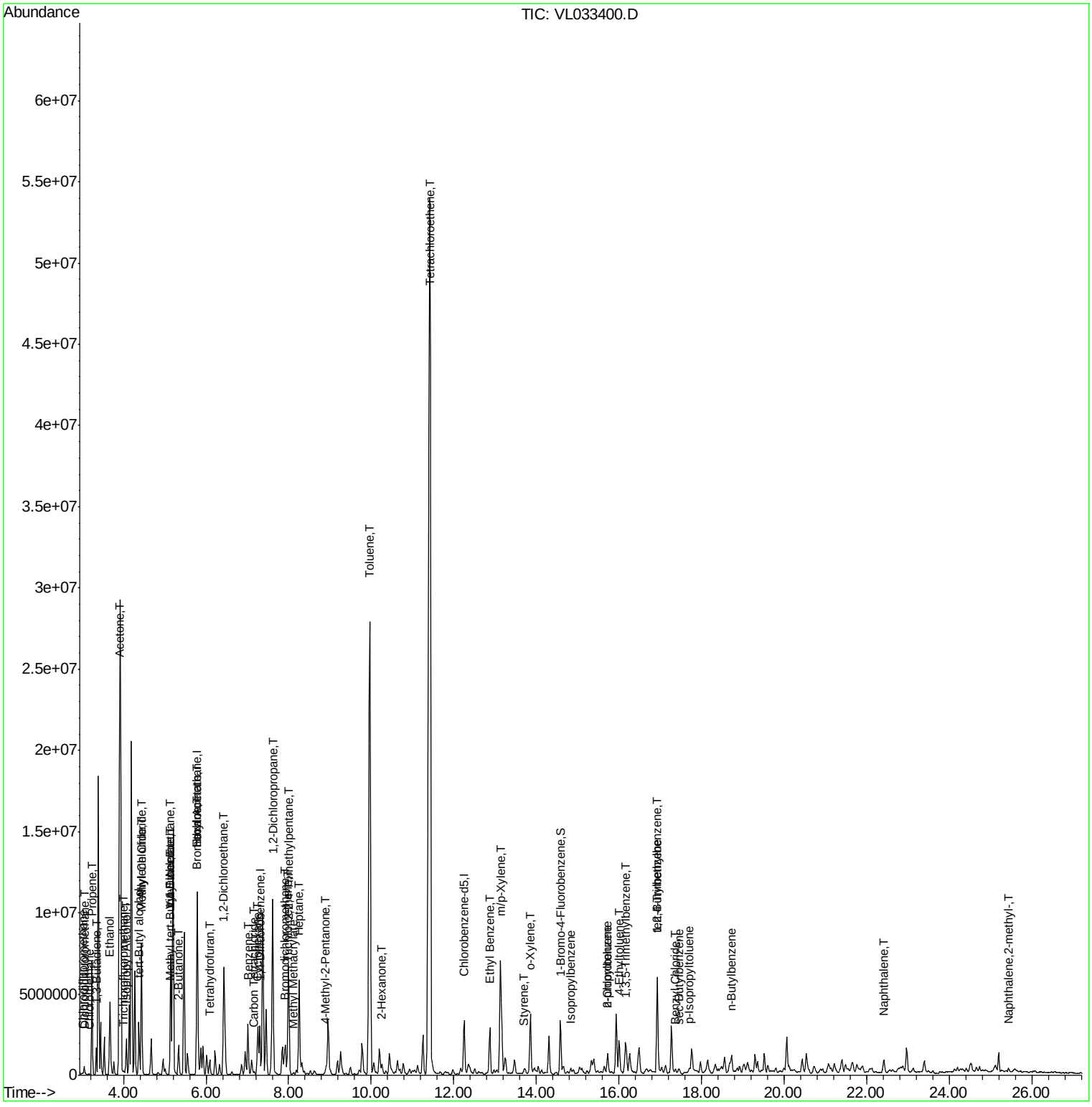
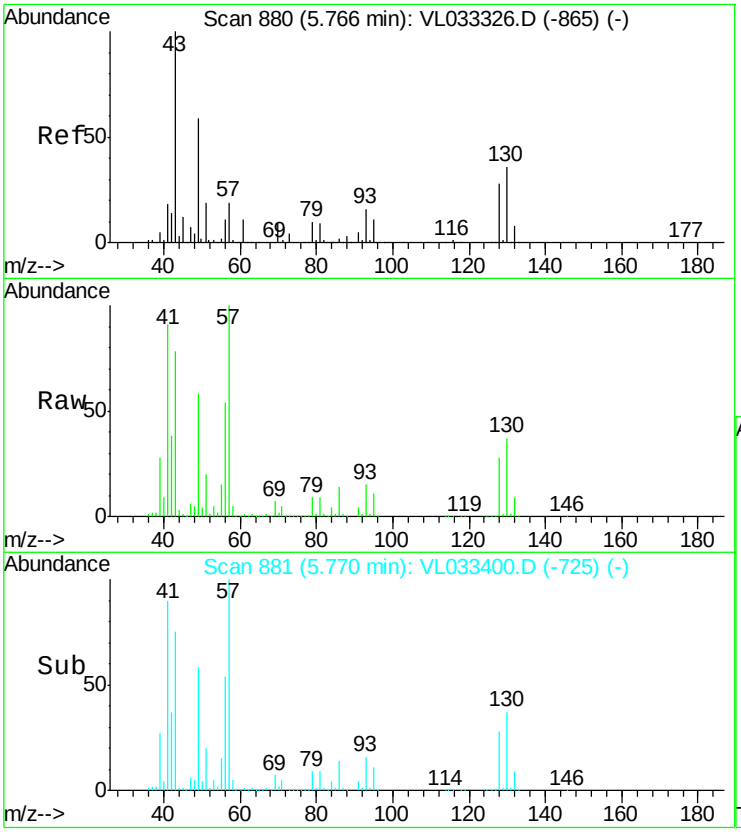
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



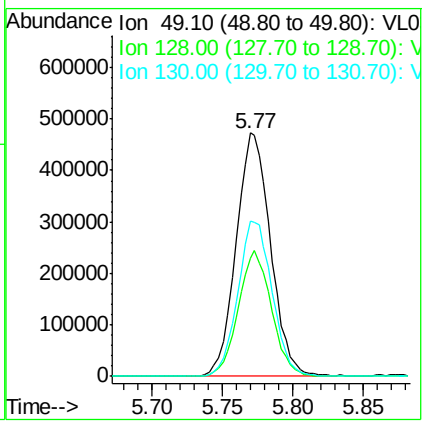


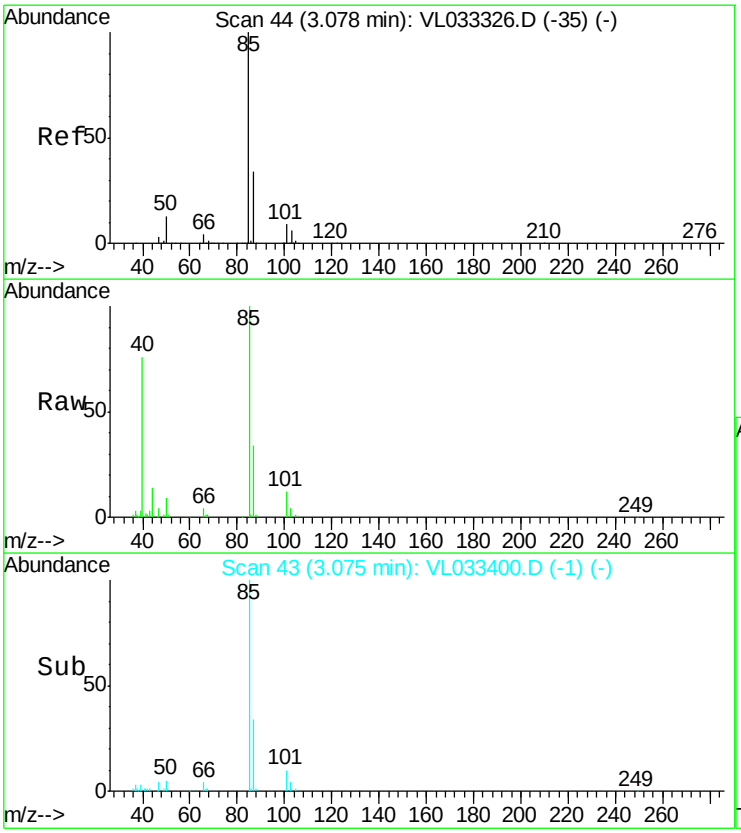
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 49 Resp: 808676

Ion	Ratio	Lower	Upper
49	100		
128	50.0	23.5	70.6
130	63.9	30.1	90.3

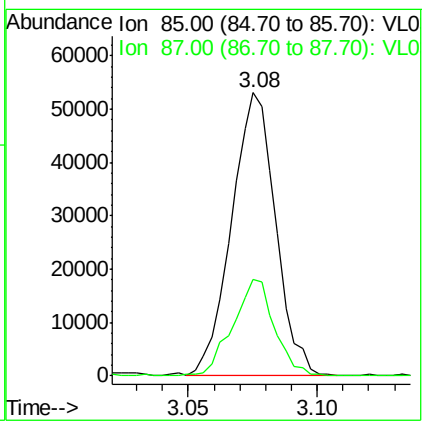


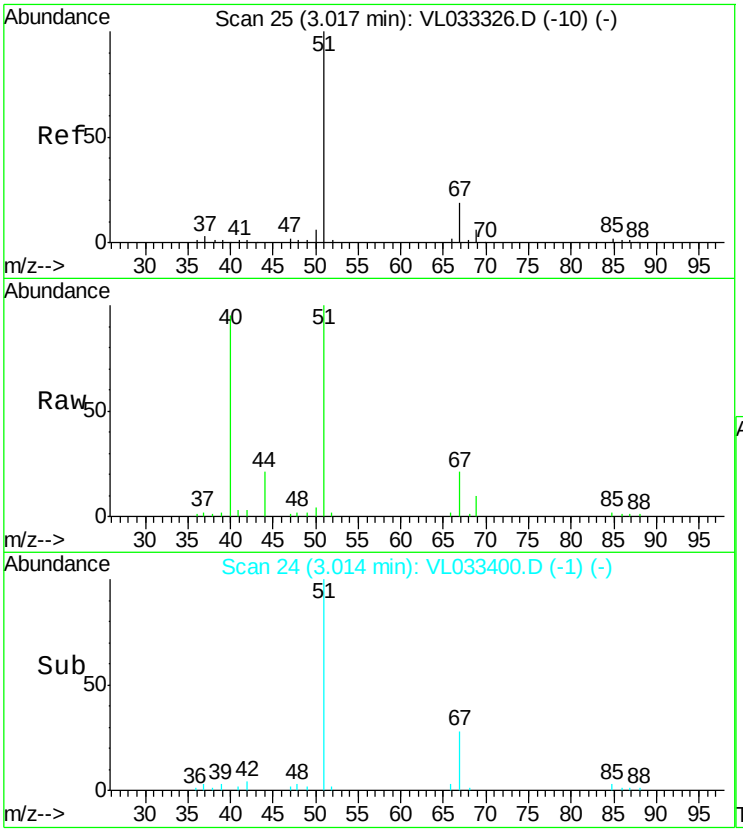


#2
Dichlorodifluoromethane
Concen: 0.446 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 85 Resp: 63443

Ion	Ratio	Lower	Upper
85	100		
87	34.0	26.9	40.3



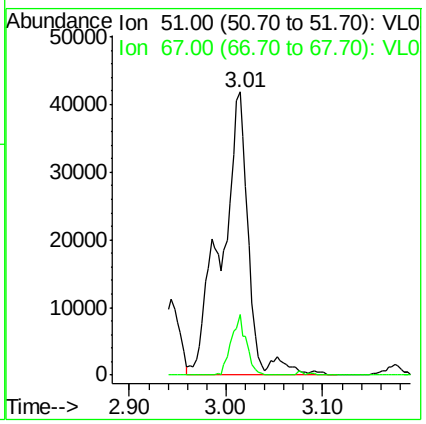


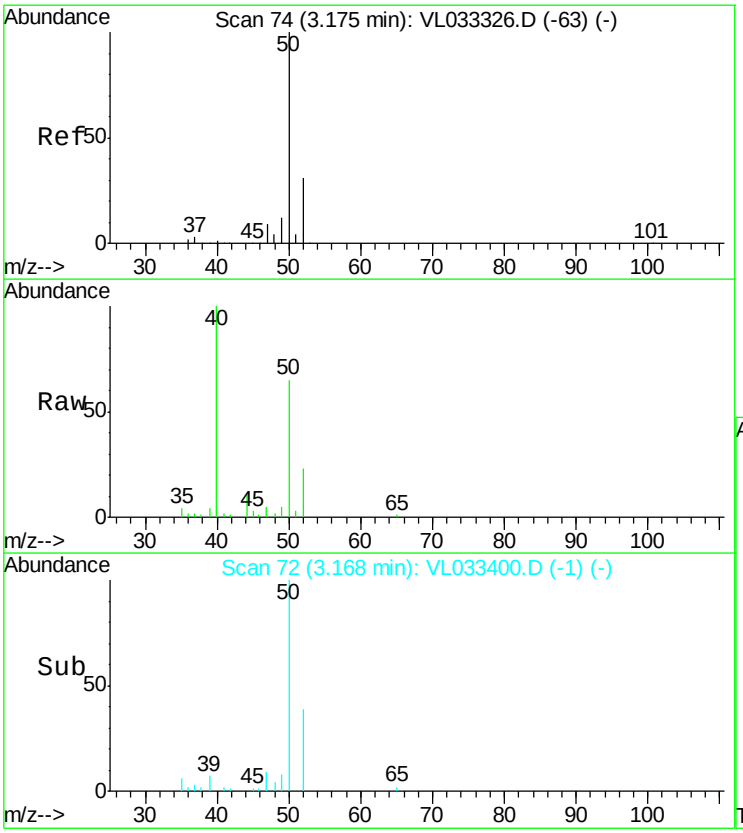
#3
Chlorodifluoromethane
Concen: 0.878 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 51 Resp: 81477

Ion	Ratio	Lower	Upper
51	100		
67	11.7	14.9	22.3#

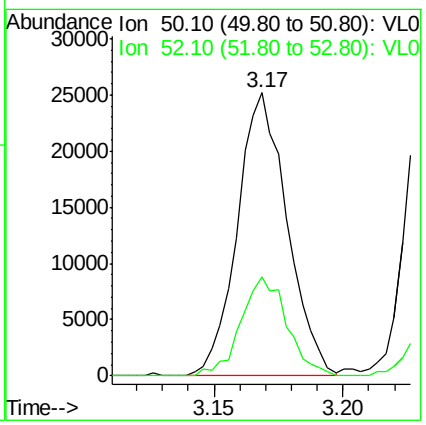


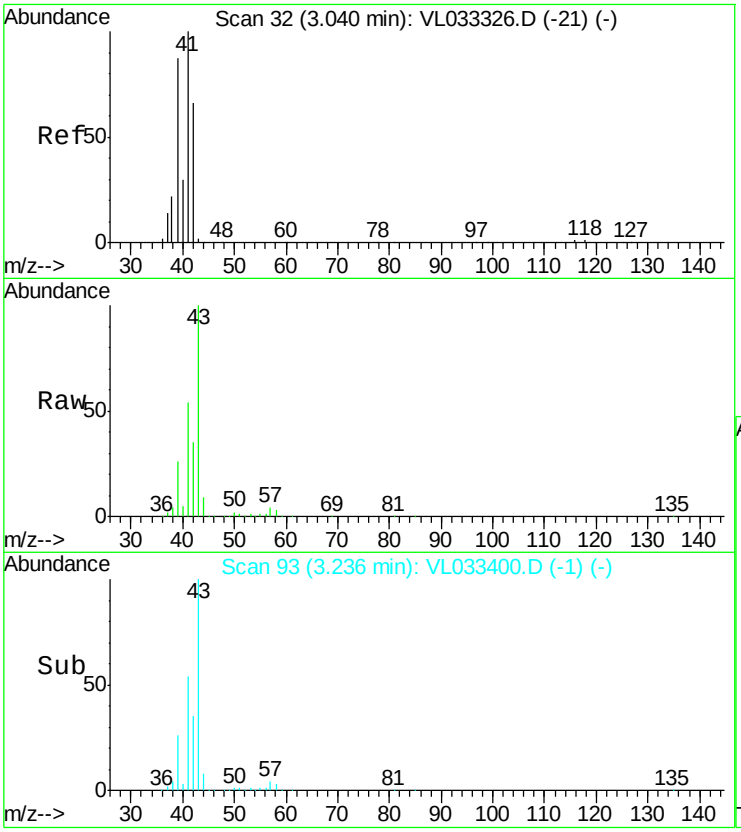


#4
Chloromethane
Concen: 0.675 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 50 Resp: 33912

Ion	Ratio	Lower	Upper
50	100		
52	35.1	25.0	37.6



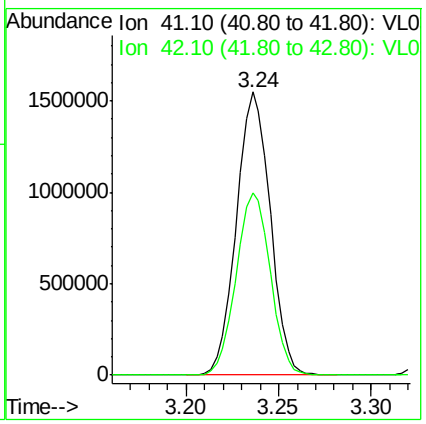


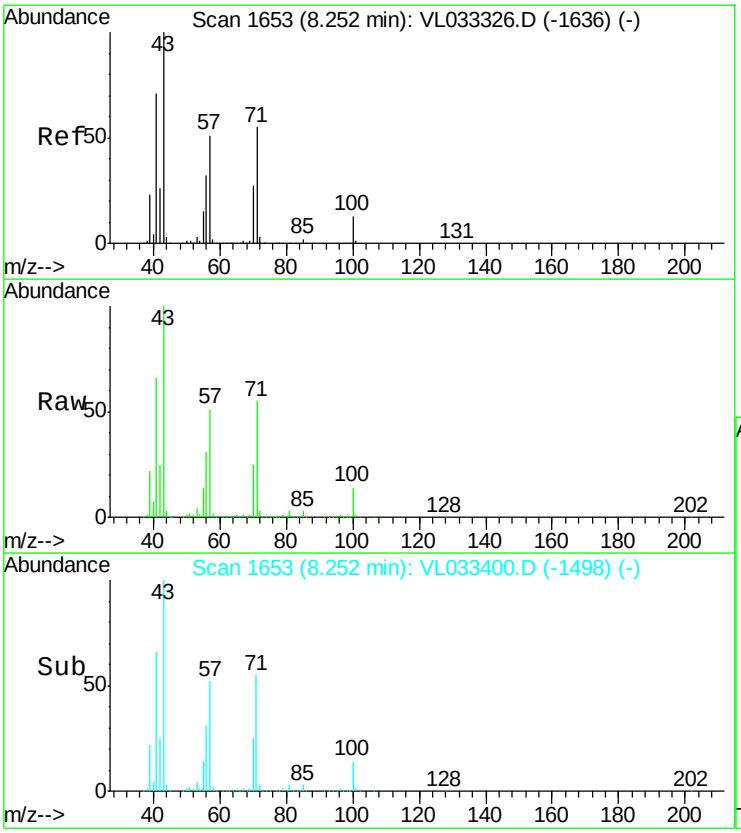
#9
Propene
Concen: 47.369 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 41 Resp: 1962697

Ion	Ratio	Lower	Upper
41	100		
42	65.1	55.2	82.8

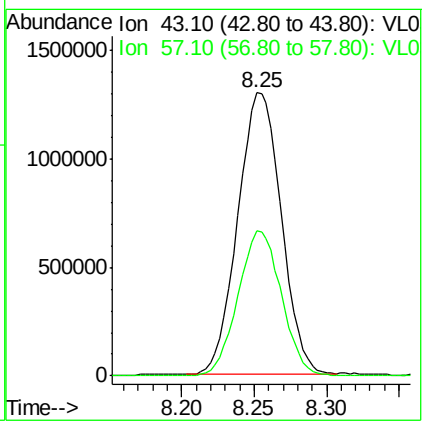


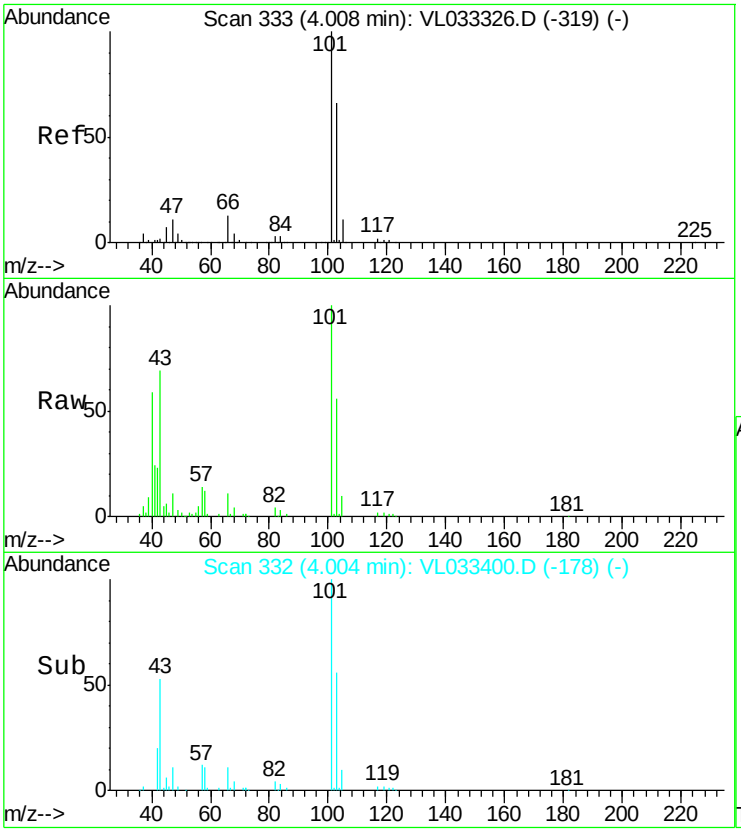


#10
Heptane
Concen: 26.443 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 43 Resp: 2717545

Ion	Ratio	Lower	Upper
43	100		
57	51.4	40.4	60.6



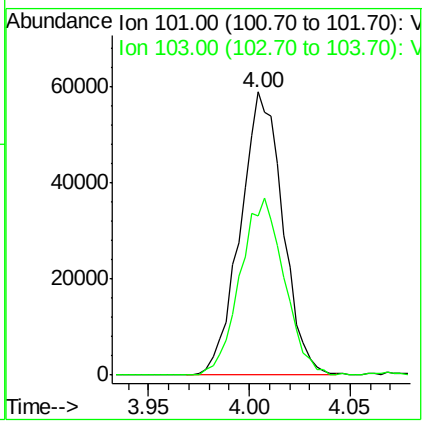


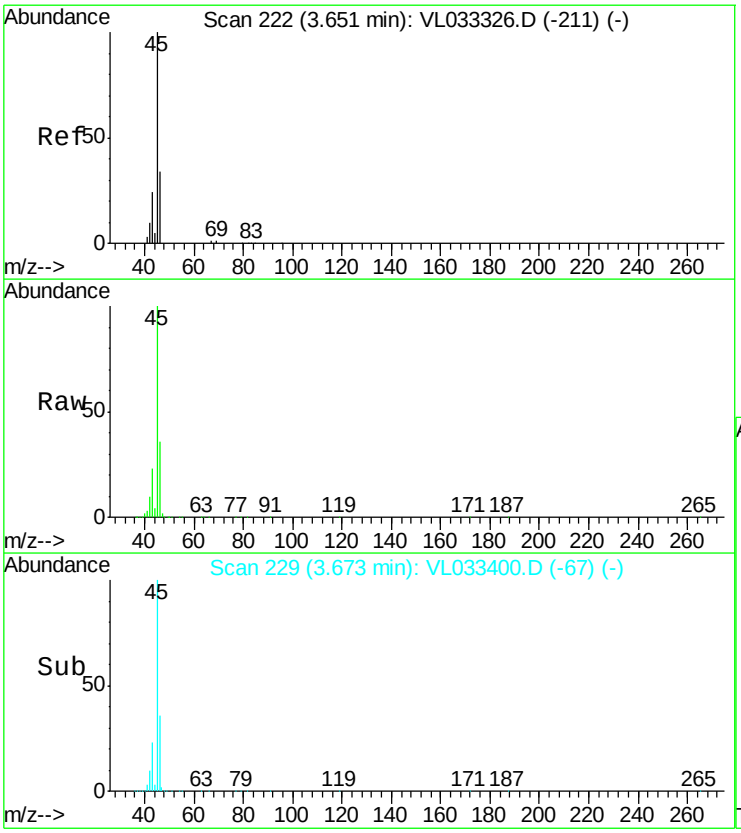
#11
Trichlorofluoromethane
Concen: 0.613 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion:101 Resp: 86792

Ion	Ratio	Lower	Upper
101	100		
103	56.4	52.9	79.3

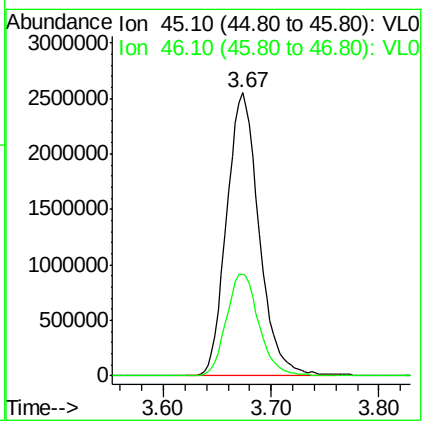


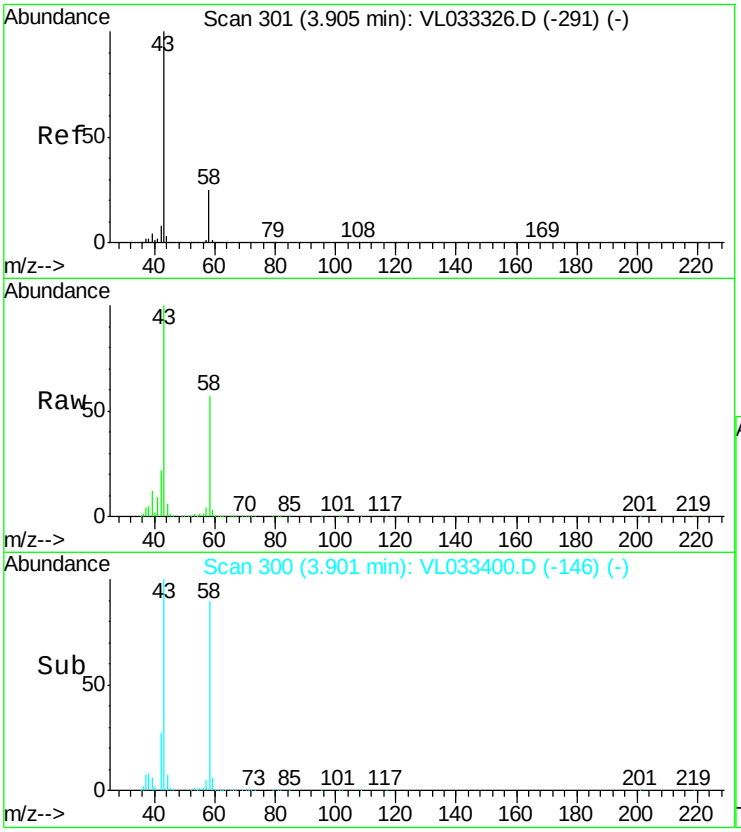


#13
Ethanol
Concen: 270.813 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.02 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 45 Resp: 5349271

Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.9	59.7



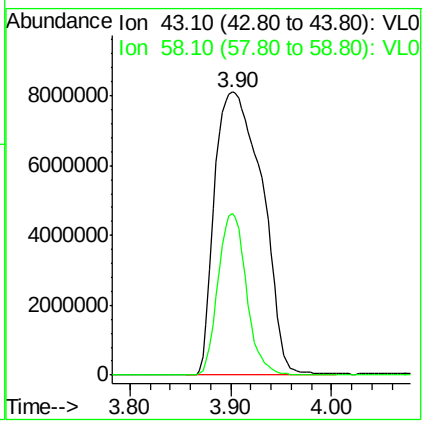


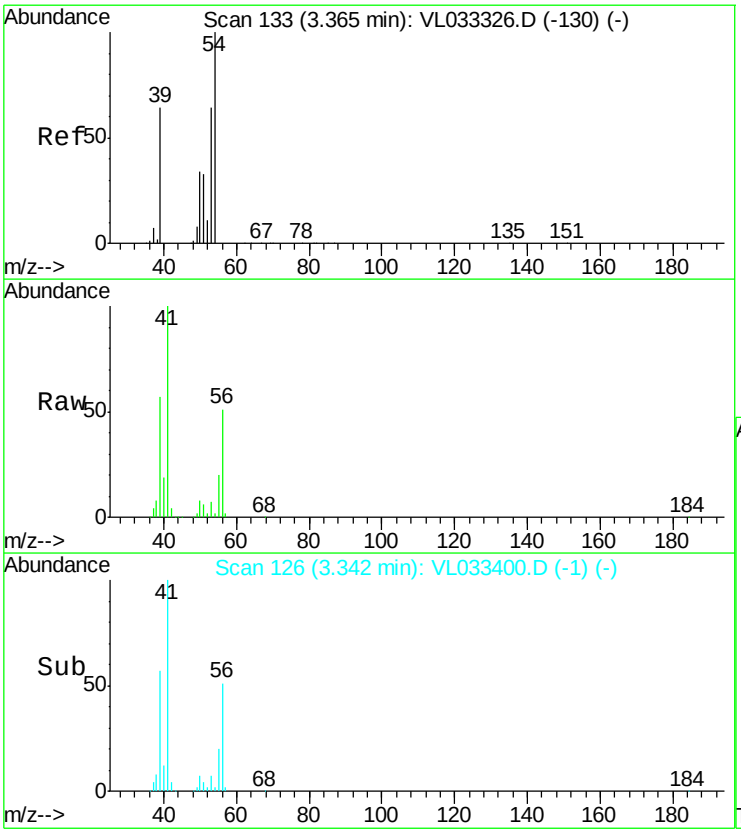
#15
Acetone
Concen: 211.308 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp:26563006

Ion	Ratio	Lower	Upper
43	100		
58	34.5	20.4	30.6#

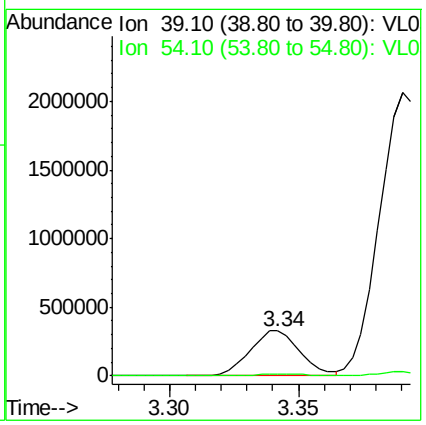


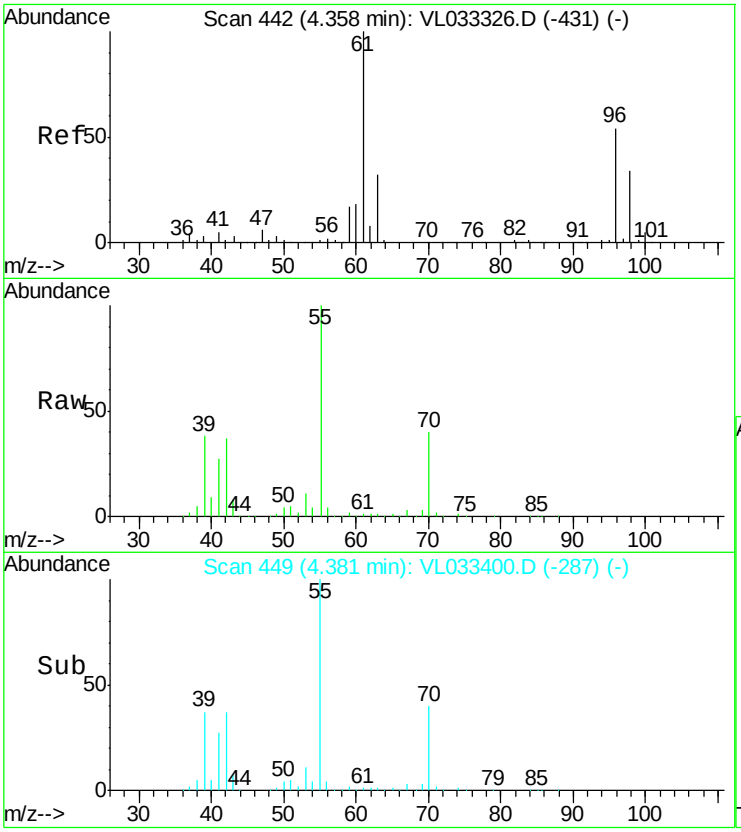


#16
1,3-Butadiene
Concen: 10.912 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 39 Resp: 445530

Ion	Ratio	Lower	Upper
39	100		
54	5.0	76.8	115.2#



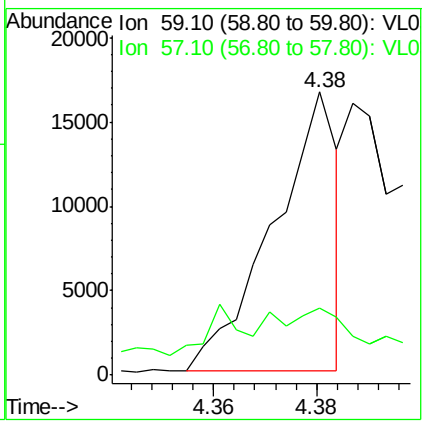


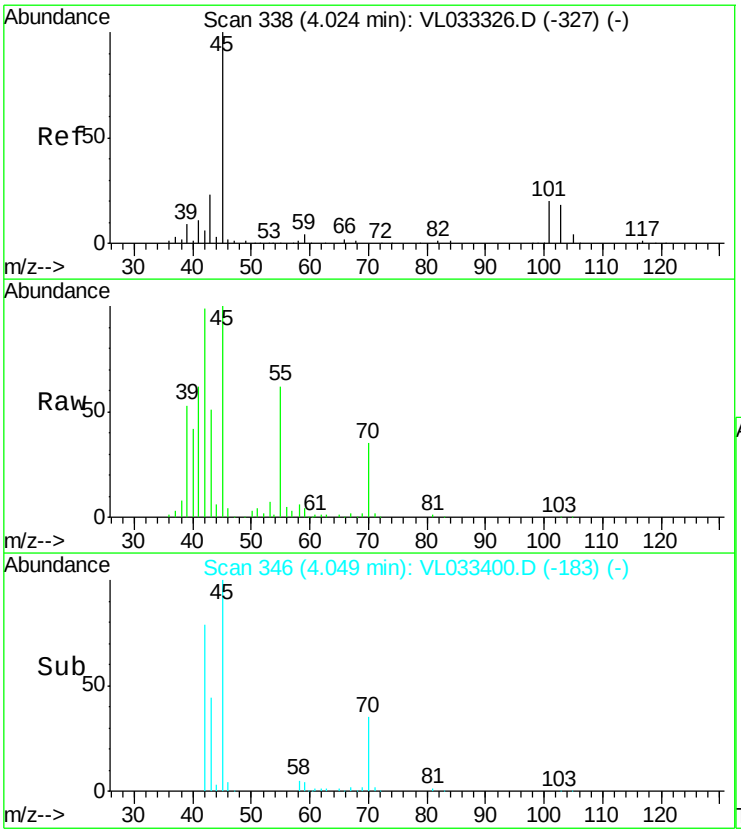
#17
tert-Butyl alcohol
Concen: 0.810 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.02 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 59 Resp: 14330

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

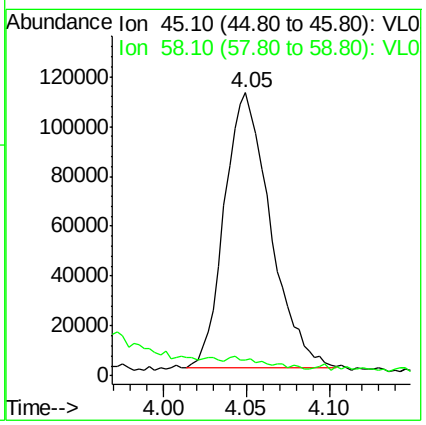


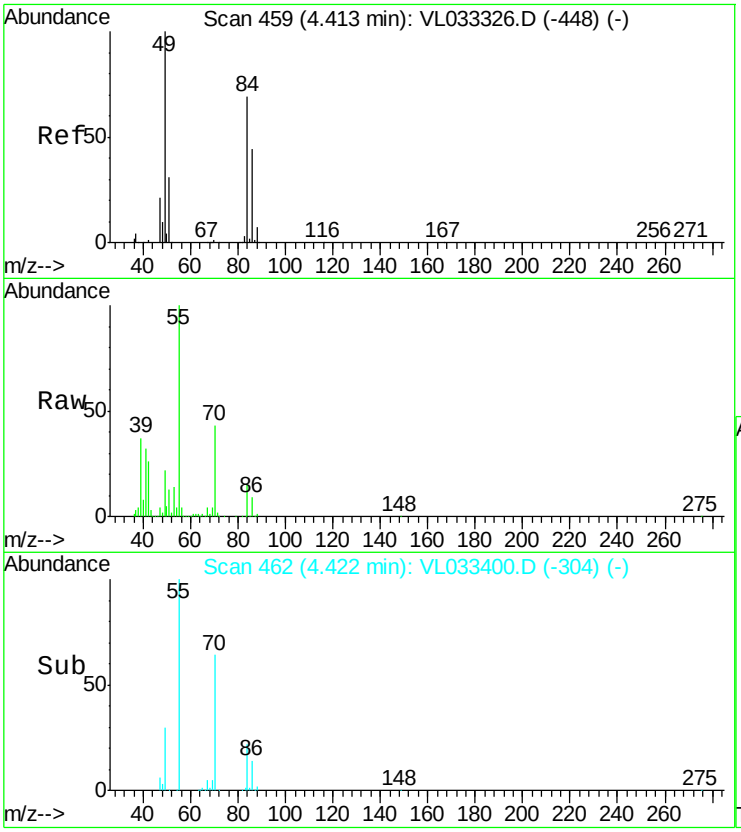


#19
Isopropyl Alcohol
Concen: 3.564 ppbv
RT: 4.05 min Scan# 346
Delta R.T. 0.03 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 45 Resp: 213131

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.5	2.3#



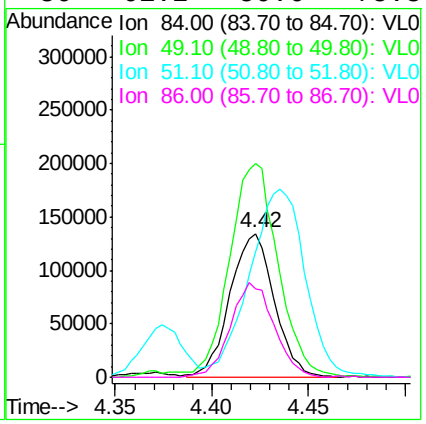


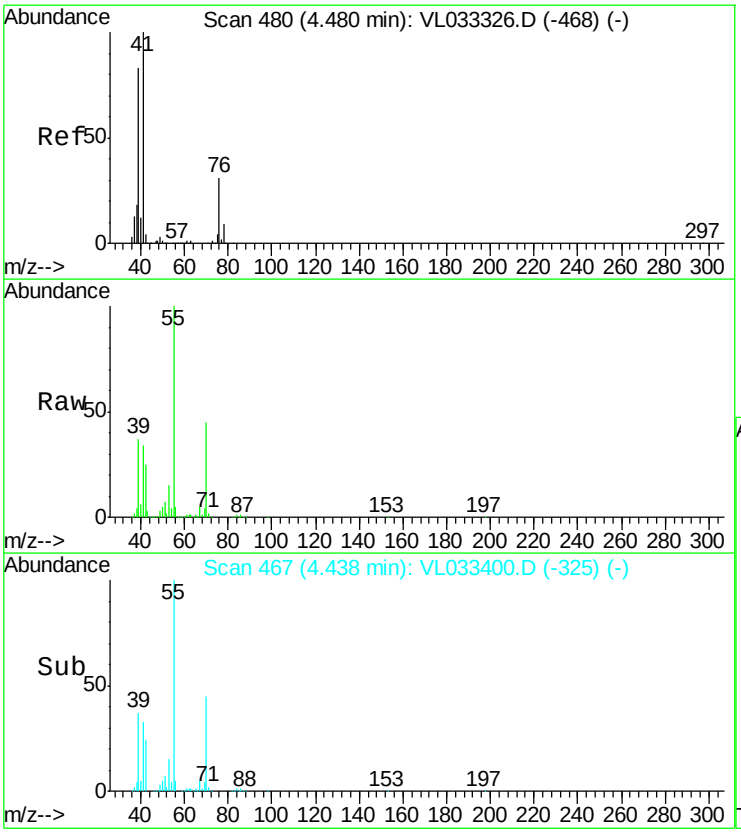
#20
Methylene Chloride
Concen: 5.186 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 84 Resp: 212625

Ion	Ratio	Lower	Upper
84	100		
49	147.0	115.4	173.0
51	80.1	35.8	53.6#
86	61.2	50.6	75.8

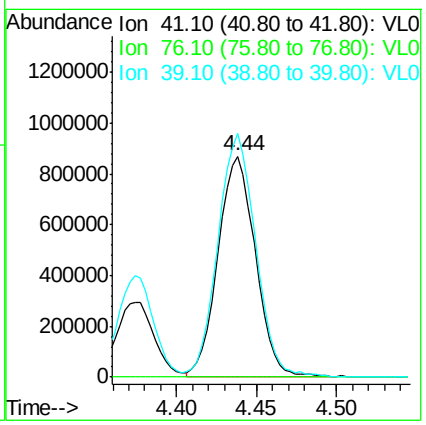


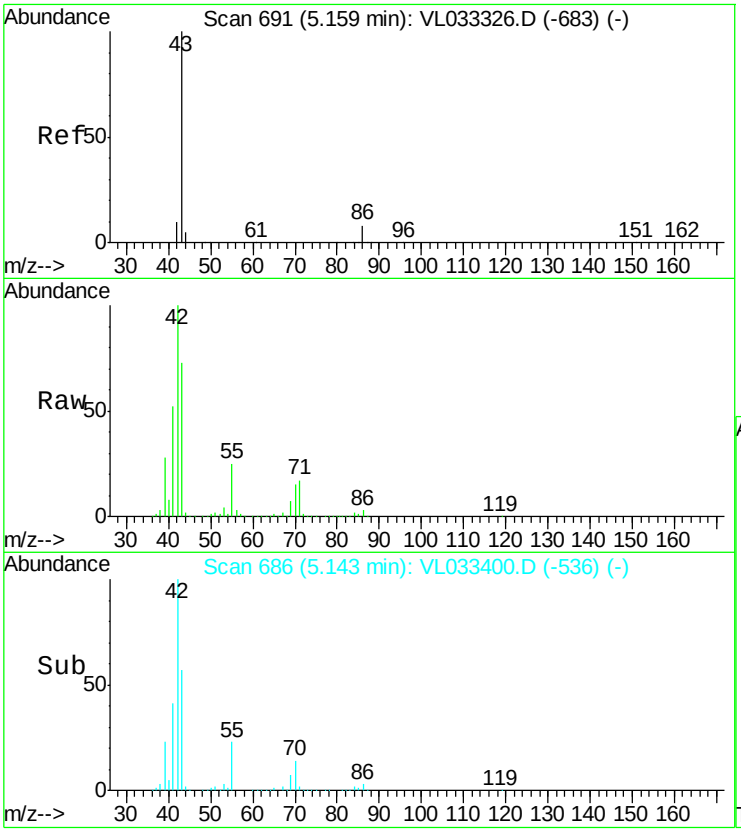


#21
Allyl Chloride
Concen: 22.607 ppbv
RT: 4.44 min Scan# 467
Delta R.T. -0.04 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 41 Resp: 1378548

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.4#
39	111.9	65.9	98.9#



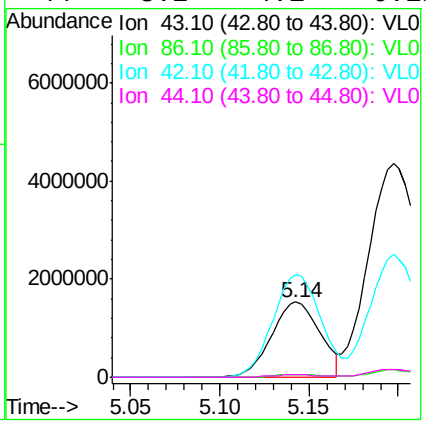


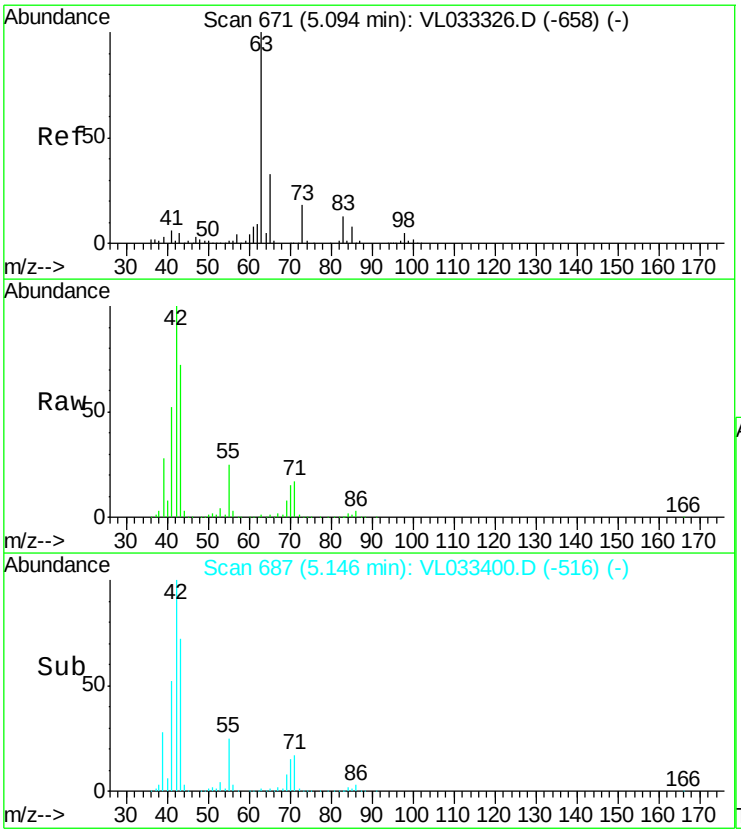
#23
Vinyl Acetate
Concen: 19.955 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.02 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp: 2902404

Ion	Ratio	Lower	Upper
43	100		
86	3.9	6.2	9.2#
42	137.1	8.1	12.1#
44	3.2	4.1	6.1#

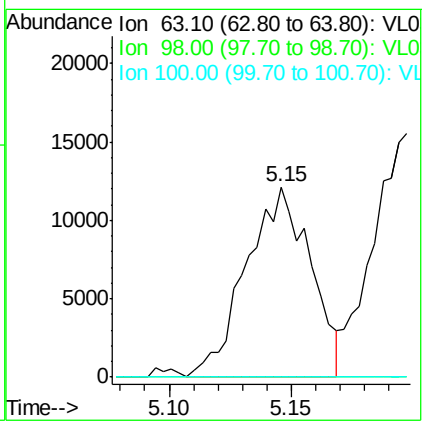


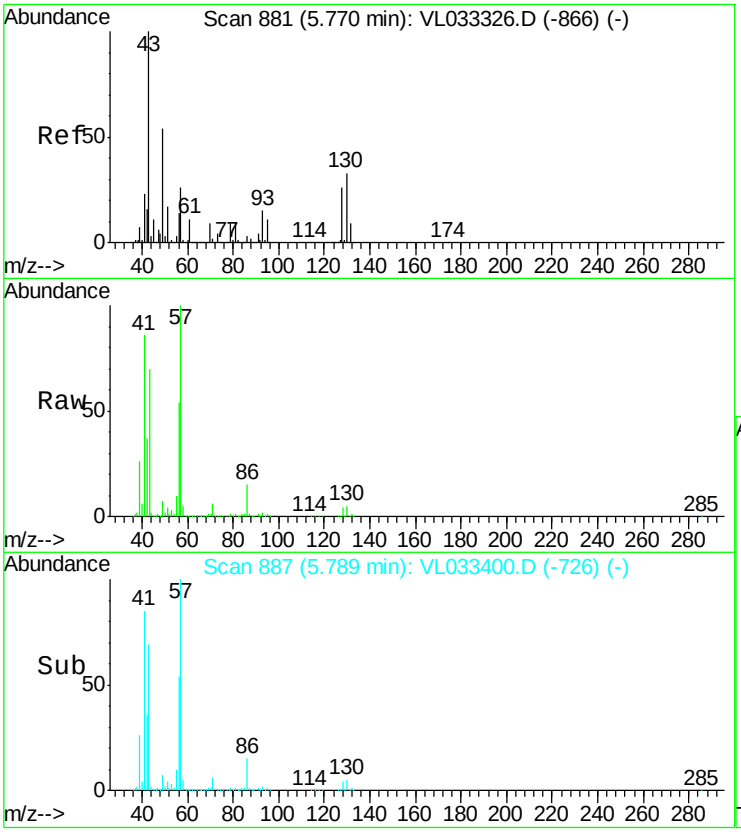


#24
1,1-Dichloroethane
Concen: 0.211 ppbv
RT: 5.15 min Scan# 687
Delta R.T. 0.05 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 63 Resp: 22216

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.4	7.1#
100	0.0	1.3	3.8#



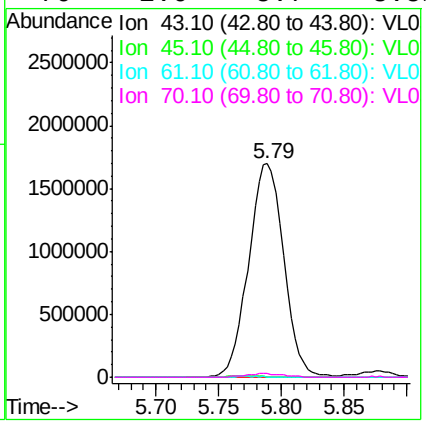


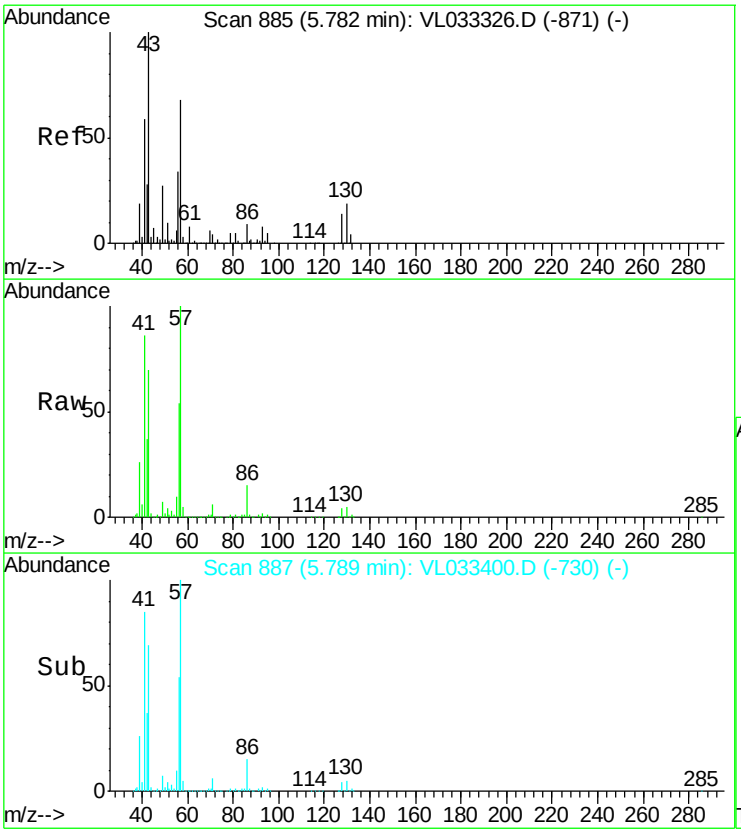
#25
Ethyl Acetate
Concen: 18.077 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.02 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 43 Resp: 3303303

Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.9	11.9#
61	0.5	7.4	11.2#
70	2.0	5.7	8.5#

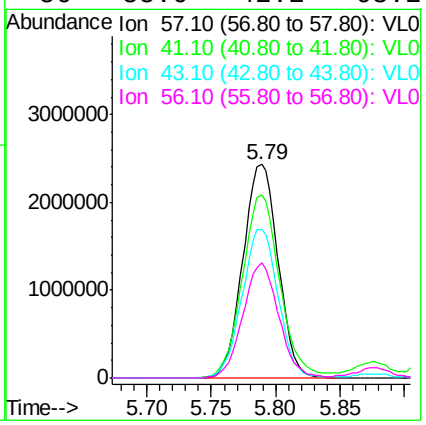


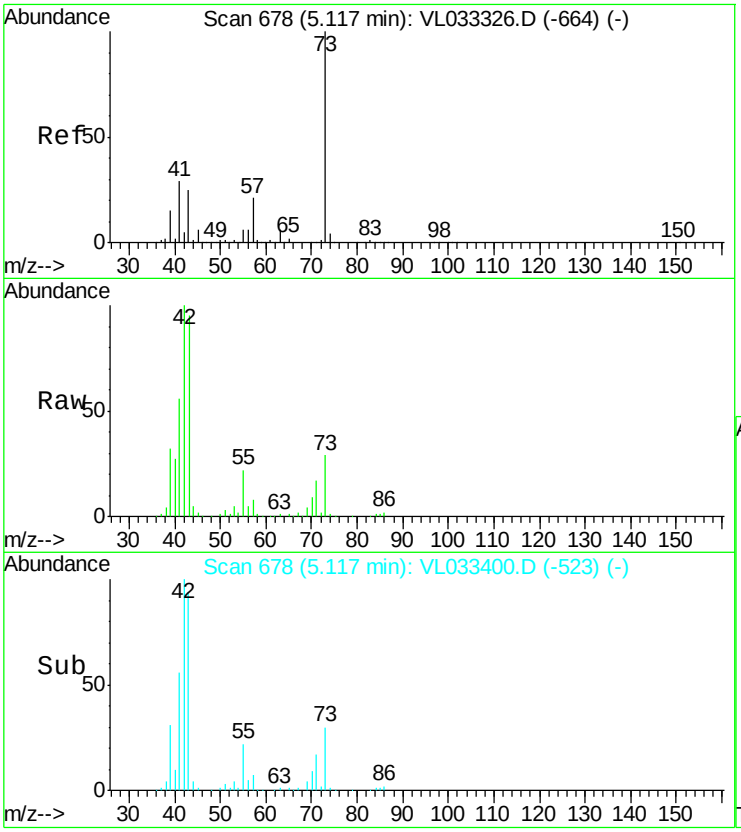


#26
Hexane
Concen: 56.664 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 57 Resp: 4629023

Ion	Ratio	Lower	Upper
57	100		
41	91.8	70.5	105.7
43	71.4	181.8	272.8#
56	55.0	42.2	63.2



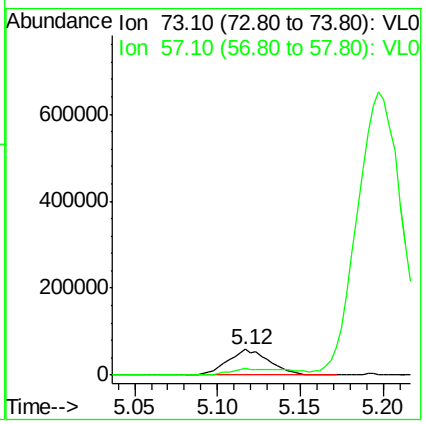


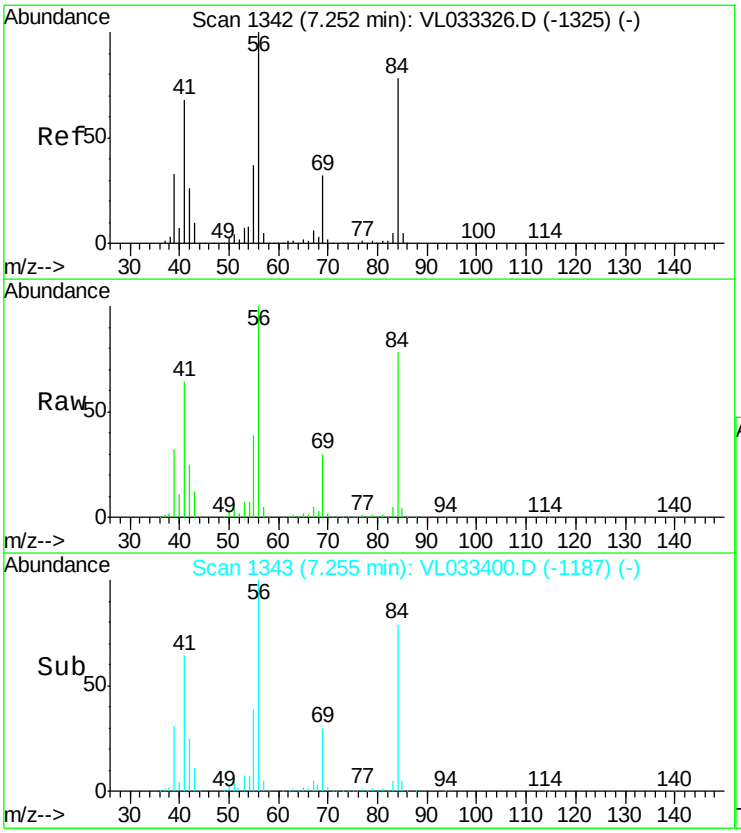
#28
Methyl tert-Butyl Ether
Concen: 0.854 ppbv
RT: 5.12 min Scan# 678
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 73 Resp: 103641

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.4	26.0#

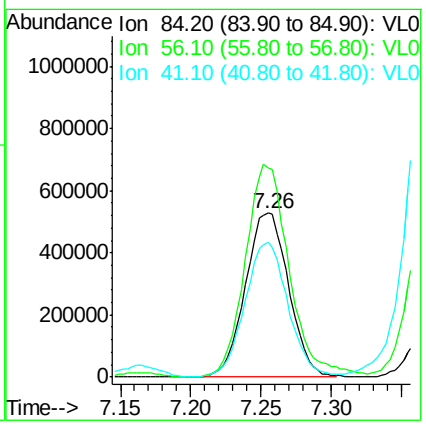


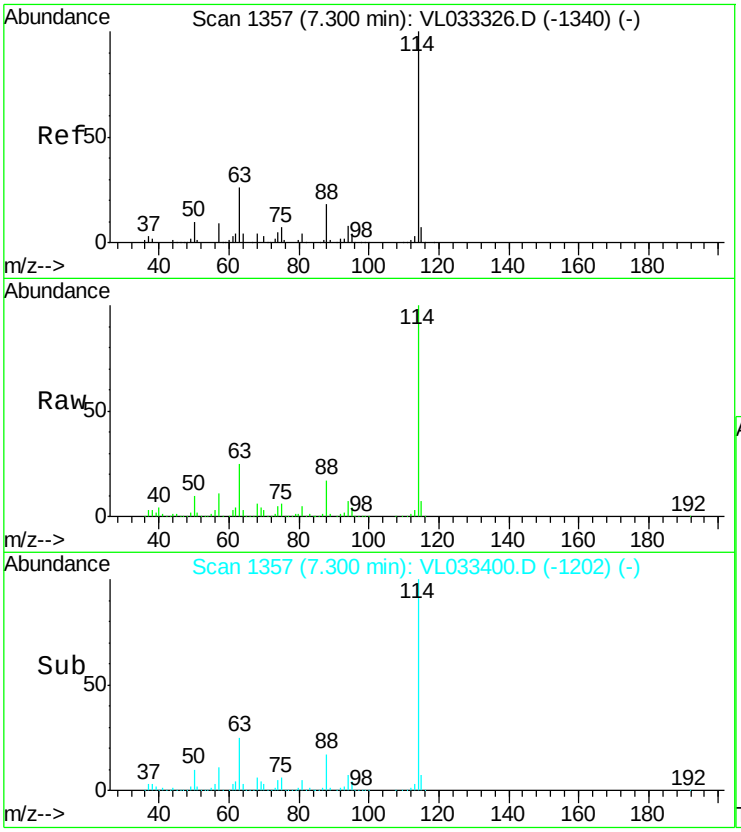


#30
Cyclohexane
Concen: 17.245 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 84 Resp: 1129482

Ion	Ratio	Lower	Upper
84	100		
56	132.3	111.3	166.9
41	81.7	69.6	104.4



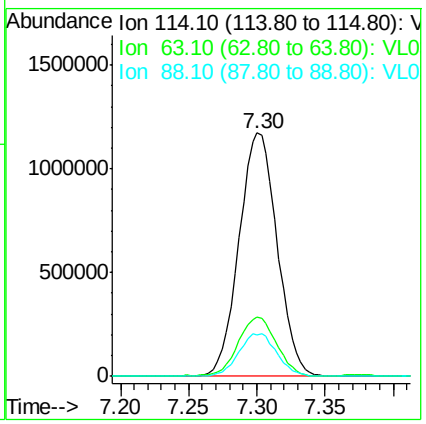


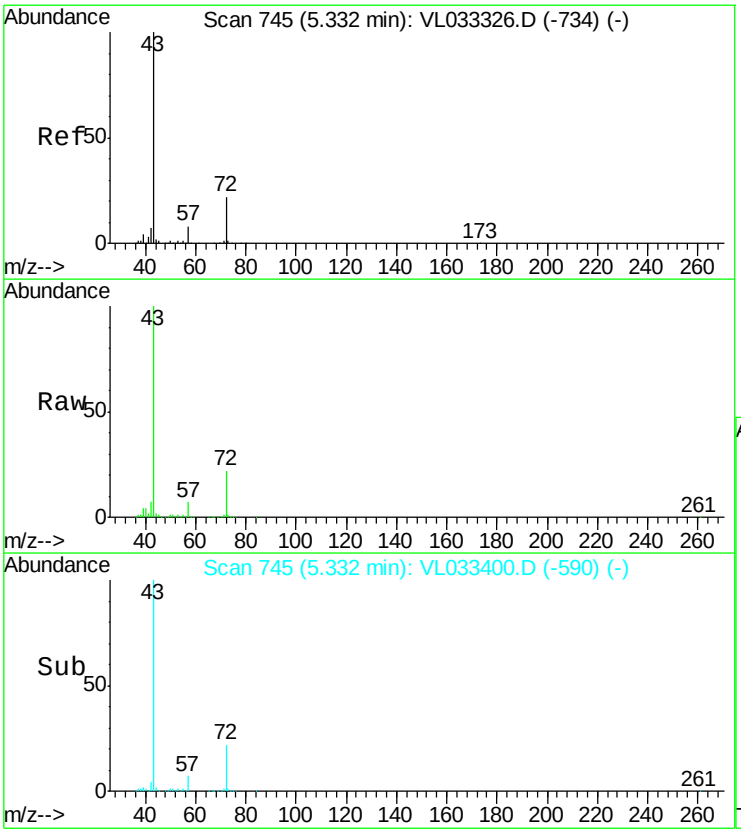
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion:114 Resp: 2274334

Ion	Ratio	Lower	Upper
114	100		
63	25.0	21.4	32.2
88	17.6	14.5	21.7

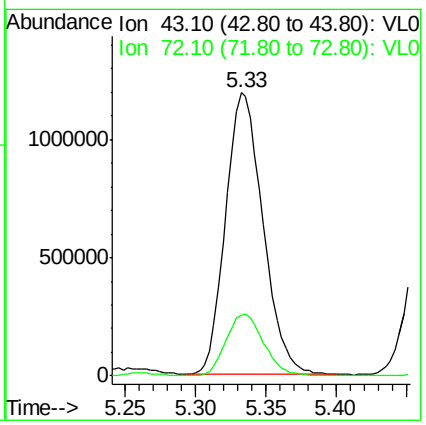


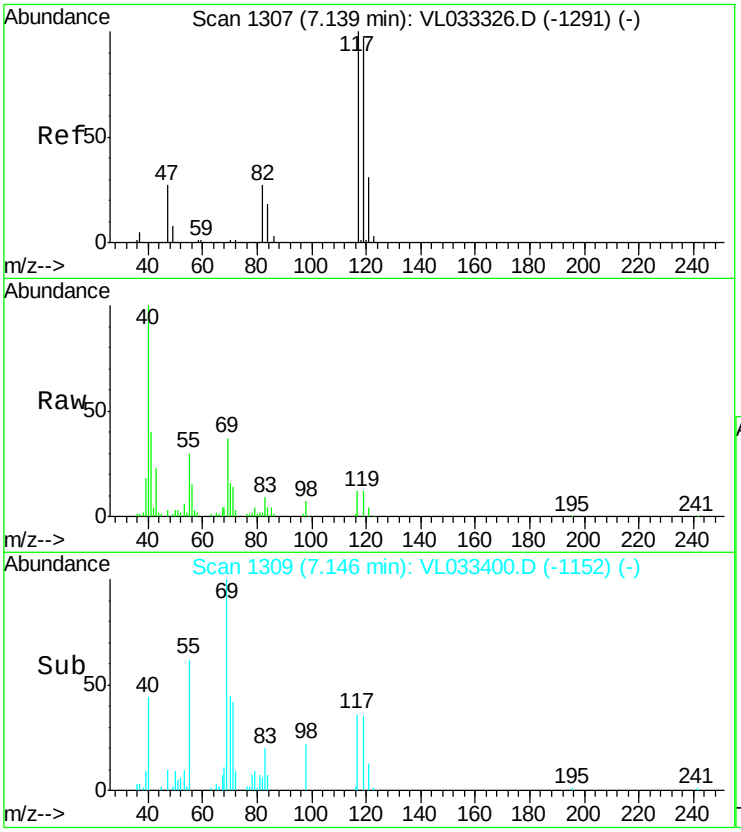


#34
2-Butanone
Concen: 14.802 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 43 Resp: 2210806

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.7	26.5



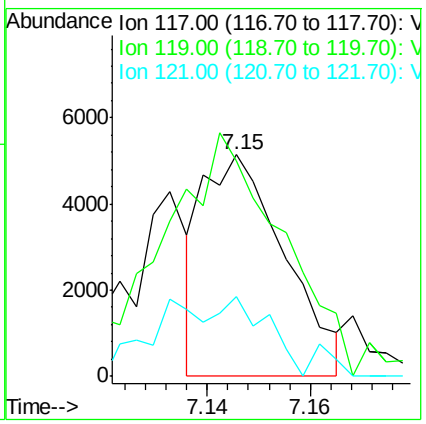


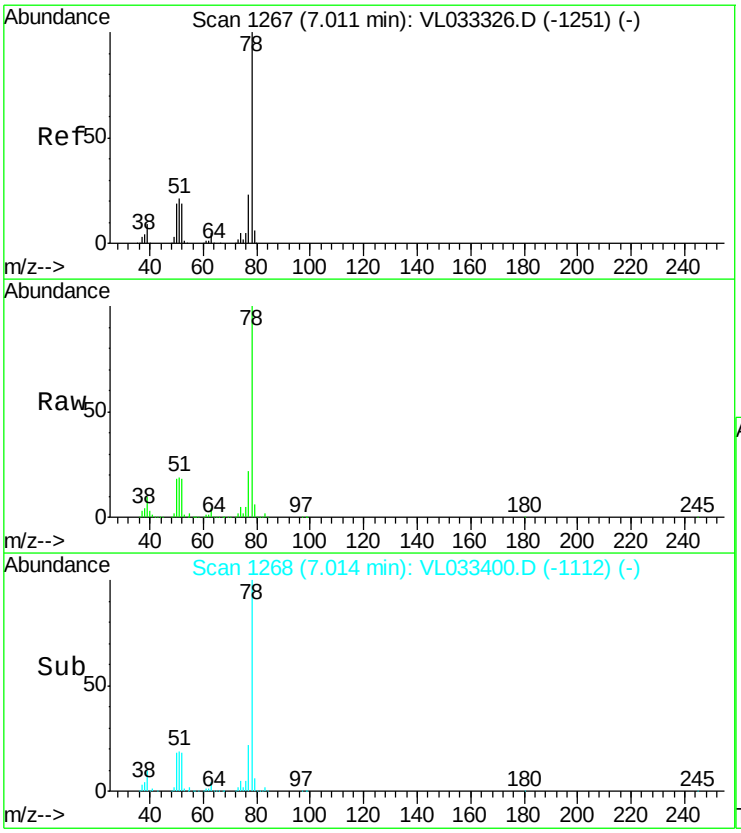
#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 7.15 min Scan# 1309
Delta R.T. 0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion:117 Resp: 5662

Ion	Ratio	Lower	Upper
117	100		
119	85.3	77.4	116.0
121	34.7	24.9	37.3

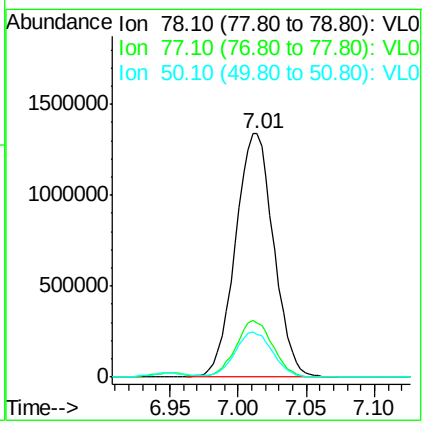


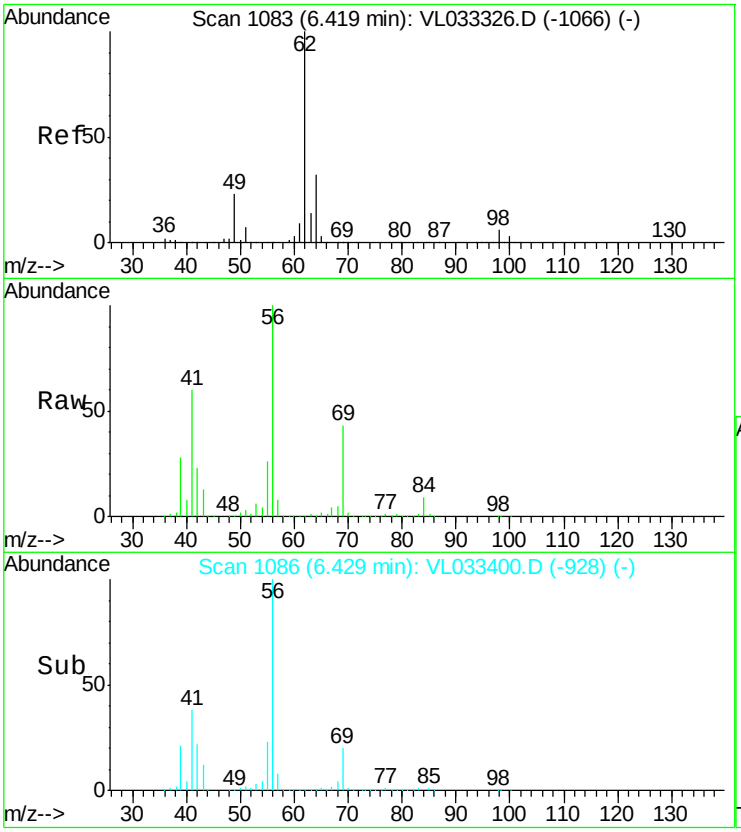


#36
Benzene
Concen: 12.673 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 78 Resp: 2579431

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.1	27.1
50	17.7	15.2	22.8



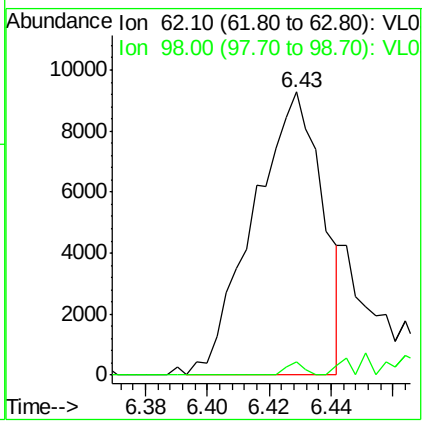


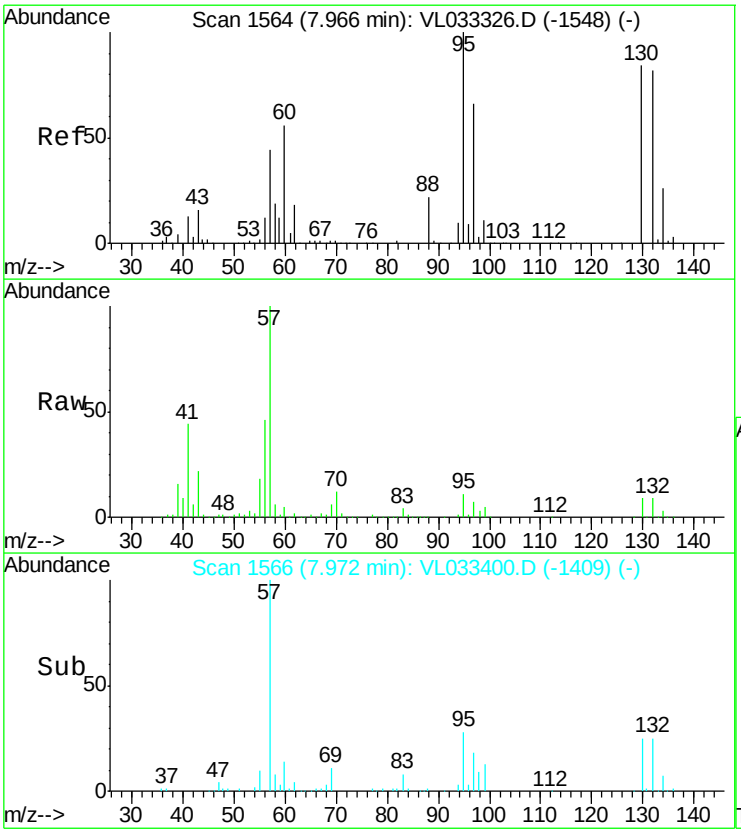
#37
1,2-Dichloroethane
Concen: 0.112 ppbv
RT: 6.43 min Scan# 1086
Delta R.T. 0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 62 Resp: 14373

Ion	Ratio	Lower	Upper
62	100		
98	1.2	4.5	6.7#

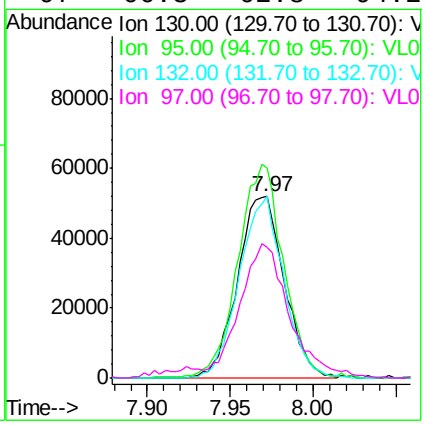


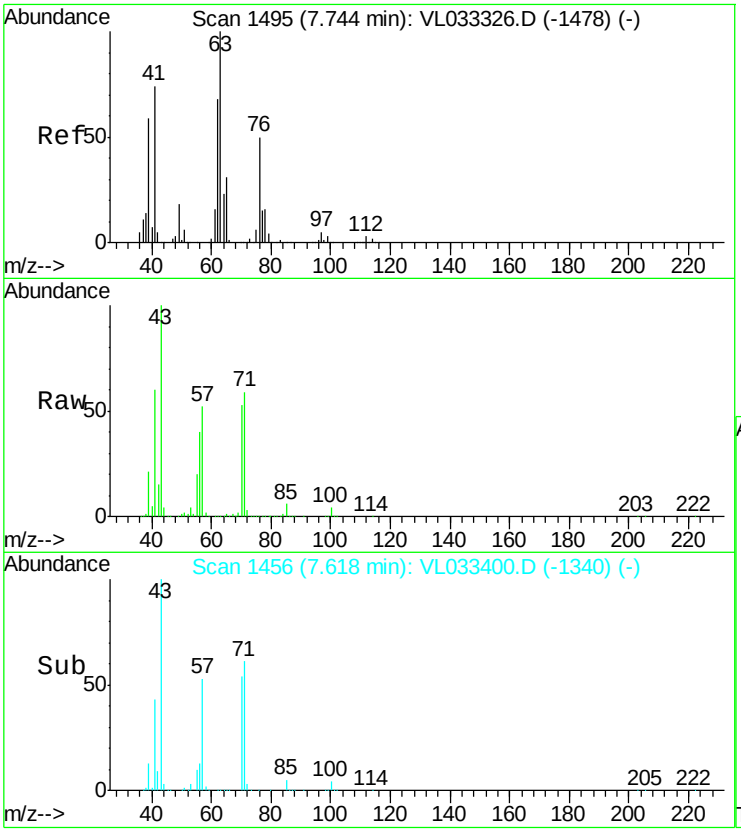


#38
Trichloroethene
Concen: 1.323 ppbv
RT: 7.97 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion:130 Resp: 101905

Ion	Ratio	Lower	Upper
130	100		
95	111.5	95.2	142.8
132	97.2	77.7	116.5
97	66.3	62.8	94.2



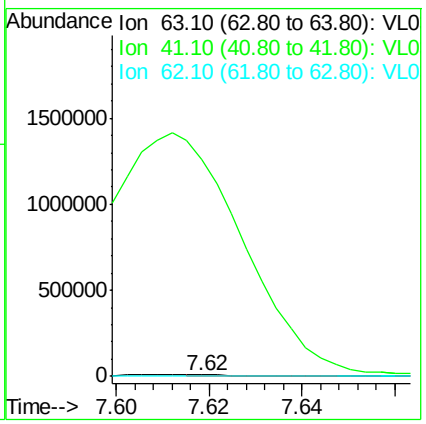


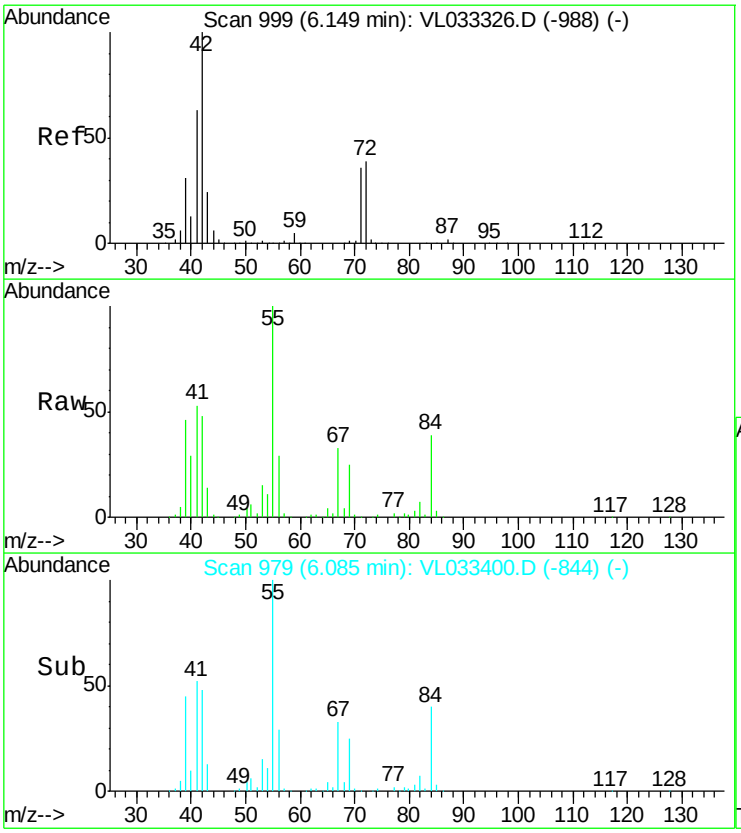
#39
1,2-Dichloropropane
Concen: 0.083 ppbv
RT: 7.62 min Scan# 1456
Delta R.T. -0.13 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 63 Resp: 6353

Ion	Ratio	Lower	Upper
63	100		
41	16260.3	59.5	89.3#
62	37.5	54.7	82.1#

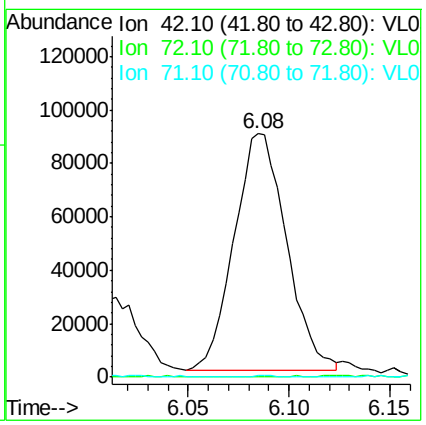


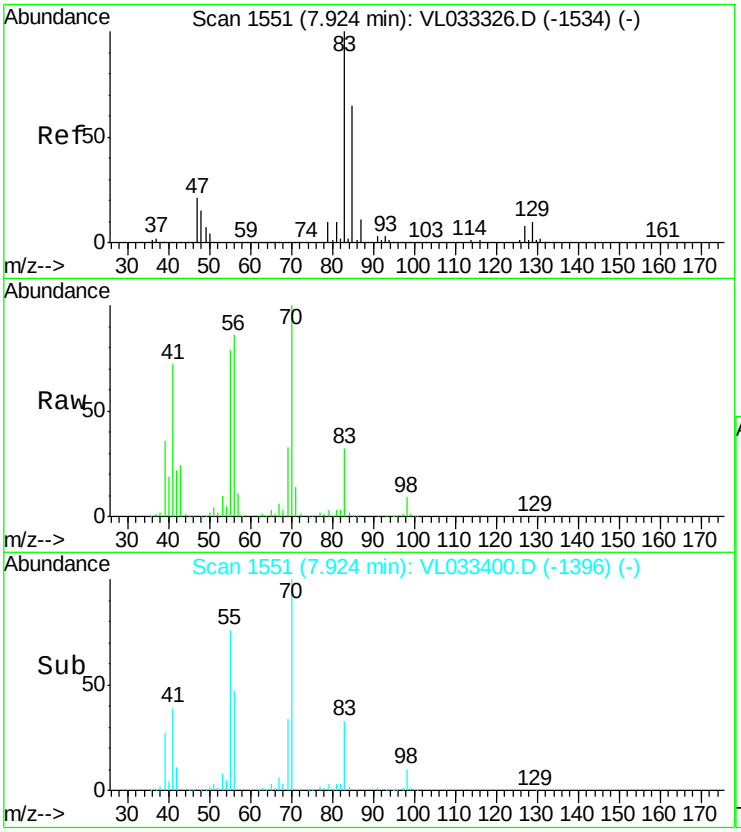


#41
Tetrahydrofuran
Concen: 2.024 ppbv
RT: 6.08 min Scan# 979
Delta R.T. -0.06 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 42 Resp: 161353

Ion	Ratio	Lower	Upper
42	100		
72	1.1	31.6	47.4#
71	0.0	29.9	44.9#



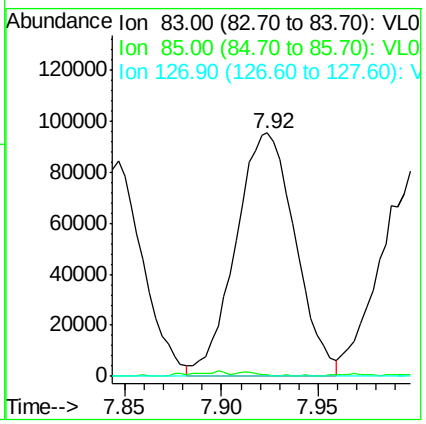


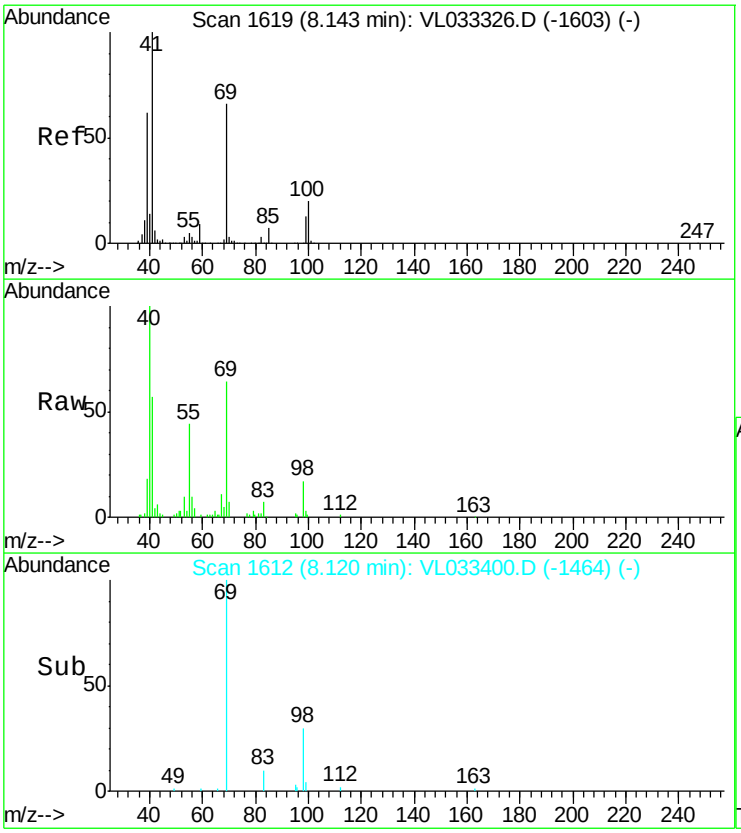
#42
Bromodichloromethane
Concen: 1.182 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 83 Resp: 203987

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.8	77.6#
127	0.0	6.2	9.2#

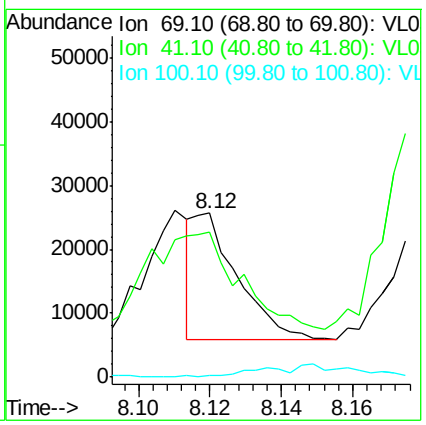


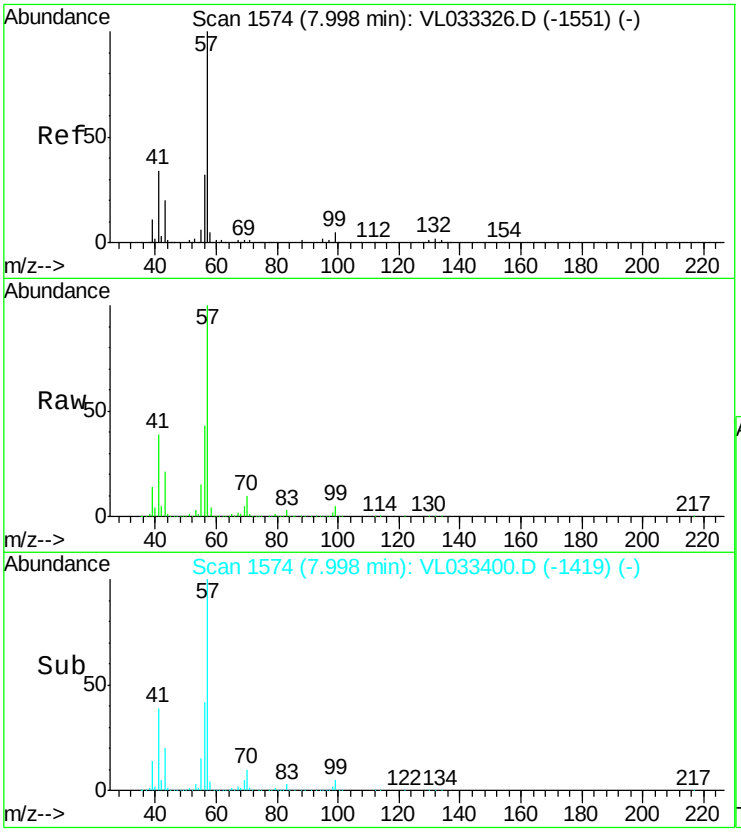


#43
Methyl Methacrylate
Concen: 0.213 ppbv
RT: 8.12 min Scan# 1612
Delta R.T. -0.02 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 69 Resp: 16900

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



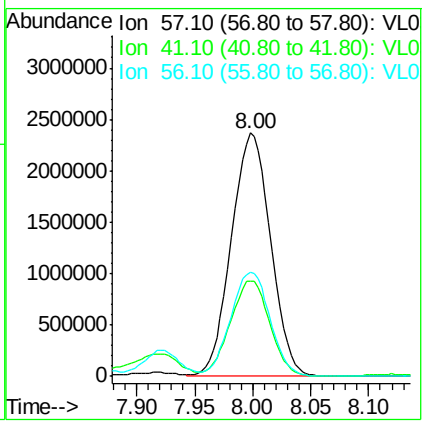


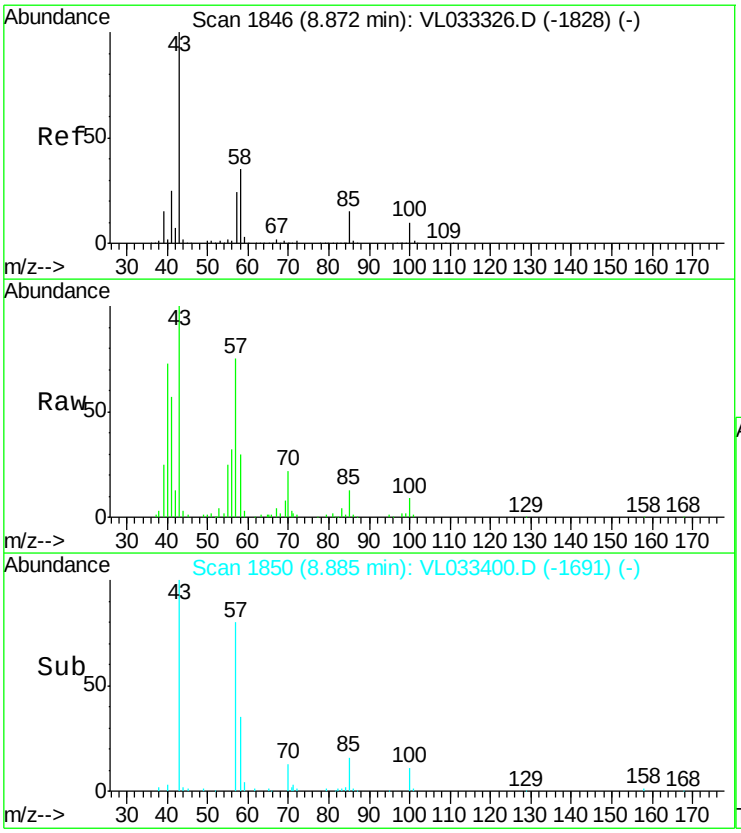
#44
2,2,4-Trimethylpentane
Concen: 16.486 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 57 Resp: 5557739

Ion	Ratio	Lower	Upper
57	100		
41	39.8	26.0	39.0#
56	43.1	24.6	36.8#

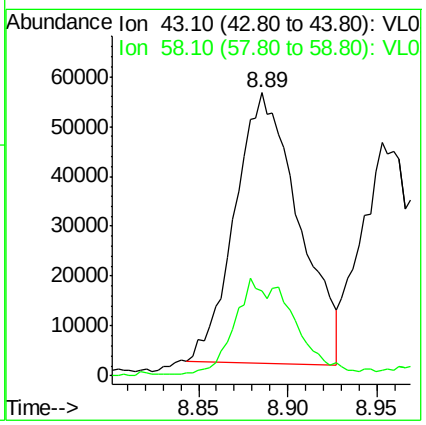


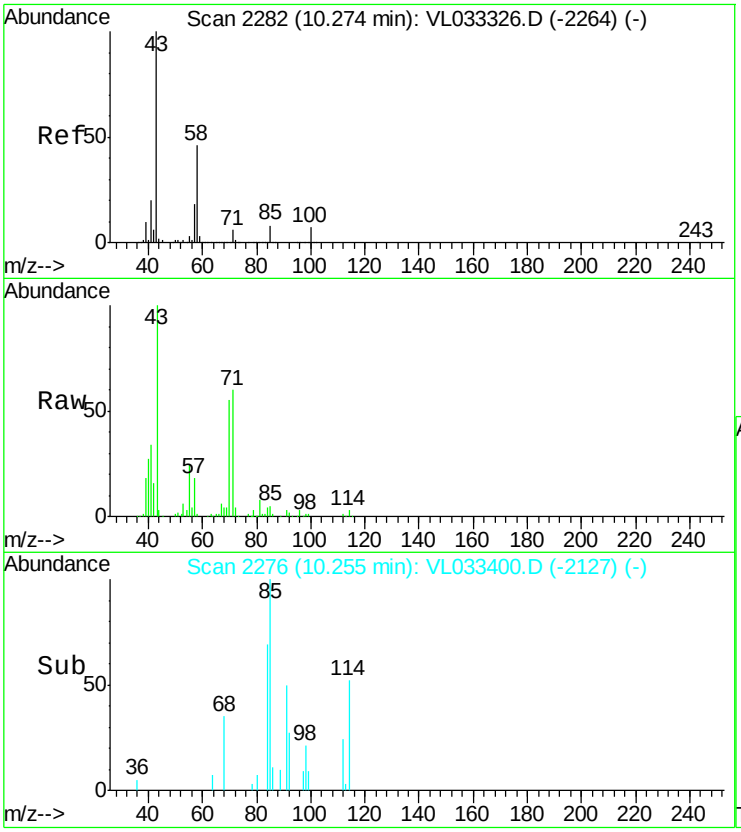


#50
4-Methyl-2-Pentanone
Concen: 0.646 ppbv
RT: 8.89 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 43 Resp: 136222

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.4	42.6



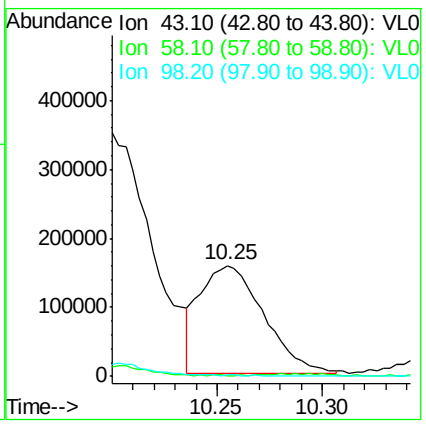


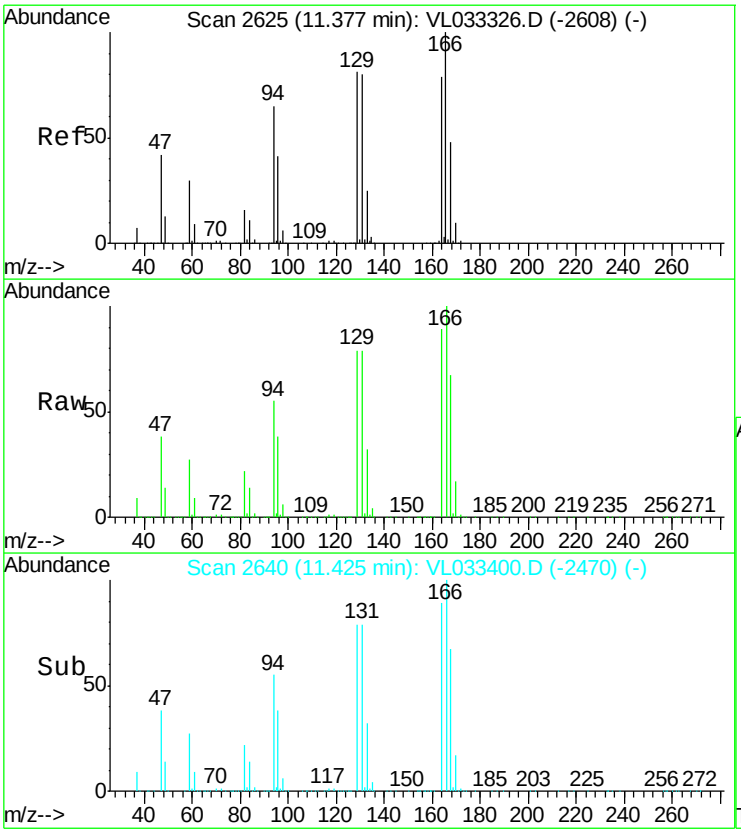
#51
2-Hexanone
Concen: 2.033 ppbv
RT: 10.25 min Scan# 2276
Delta R.T. -0.02 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 43 Resp: 330941

Ion	Ratio	Lower	Upper
43	100		
58	3.0	38.0	57.0#
98	0.0	0.1	0.1#

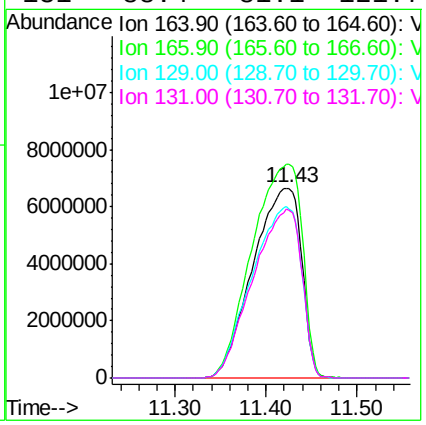


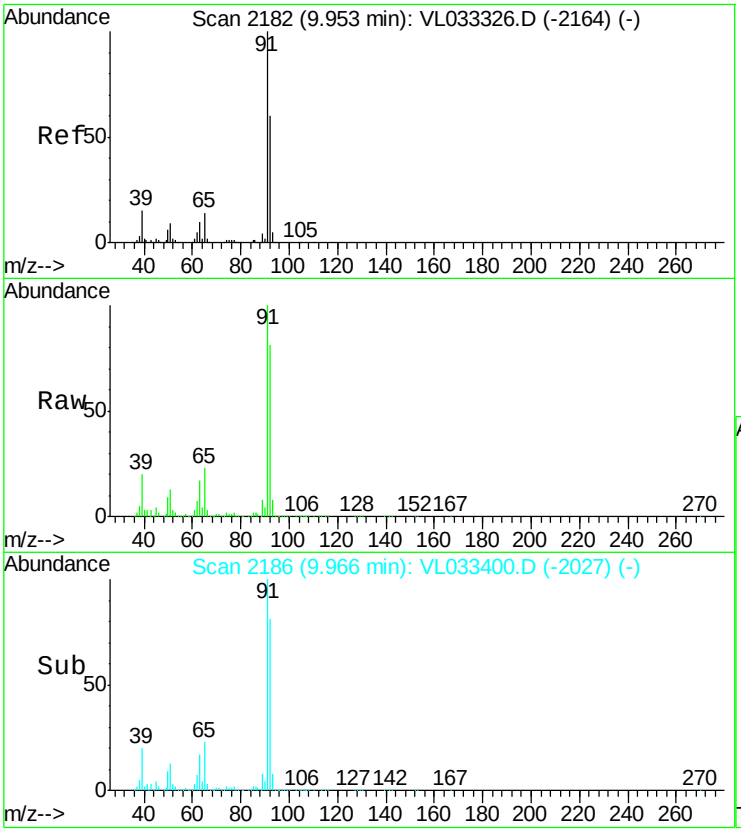


#52
Tetrachloroethene
Concen: 290.244 ppbv
RT: 11.43 min Scan# 2640
Delta R.T. 0.05 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion:164 Resp:24611541

Ion	Ratio	Lower	Upper
164	100		
166	112.4	101.5	152.3
129	89.3	82.2	123.2
131	88.4	81.1	121.7



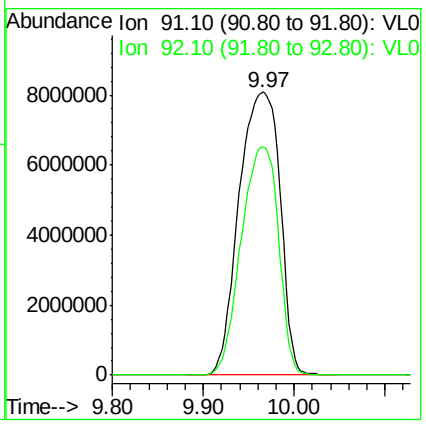


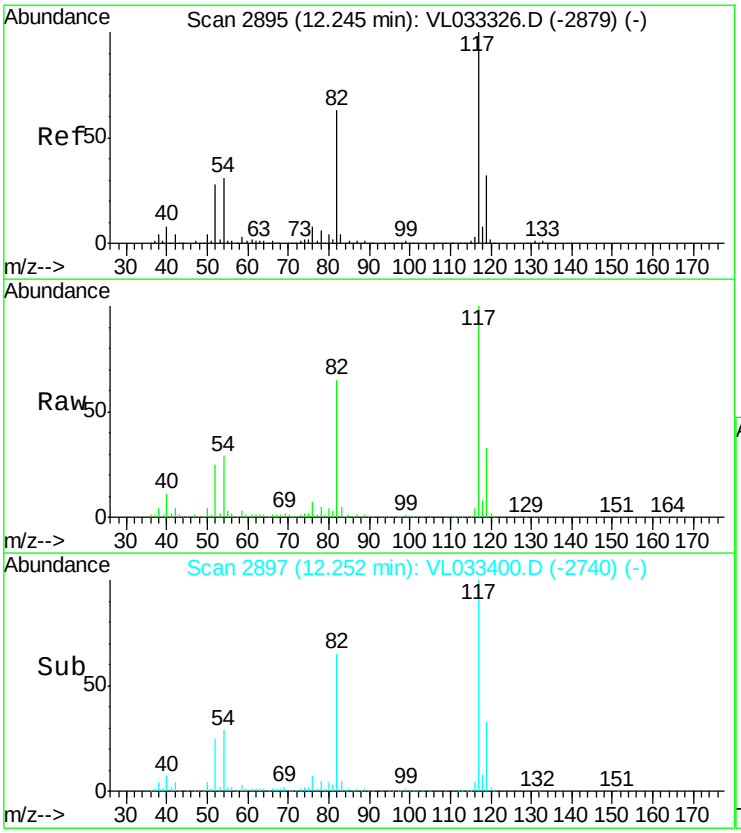
#53
Toluene
Concen: 109.588 ppbv
RT: 9.97 min Scan# 2186
Delta R.T. 0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 91 Resp:25345566

Ion	Ratio	Lower	Upper
91	100		
92	73.4	47.4	71.0#

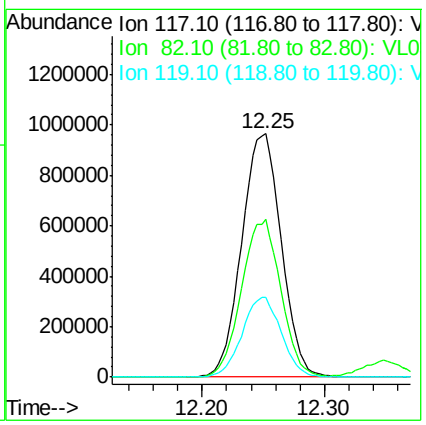


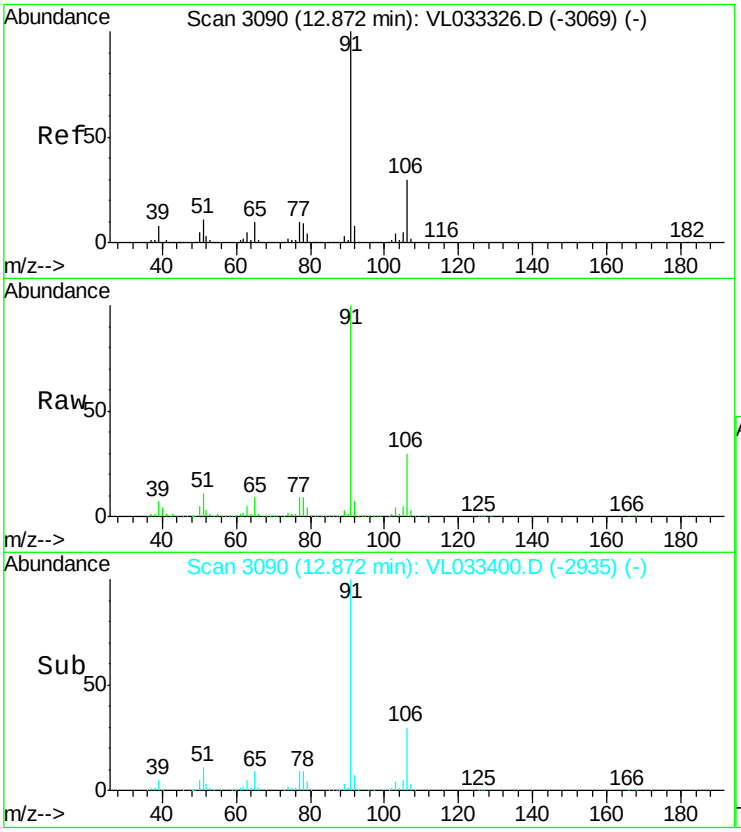


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion:117 Resp: 2163463

Ion	Ratio	Lower	Upper
117	100		
82	64.3	53.4	80.2
119	32.4	27.3	40.9



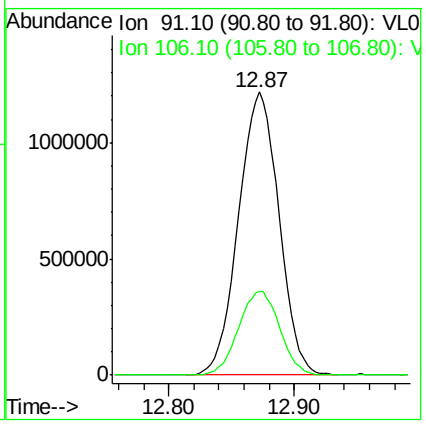


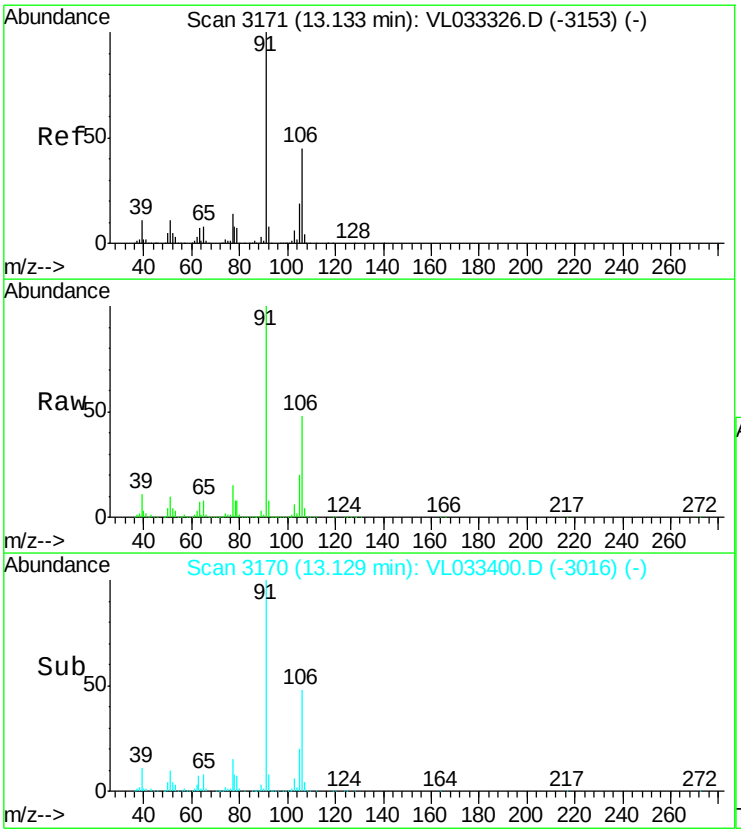
#58
Ethyl Benzene
Concen: 8.884 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 91 Resp: 2719043

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.2

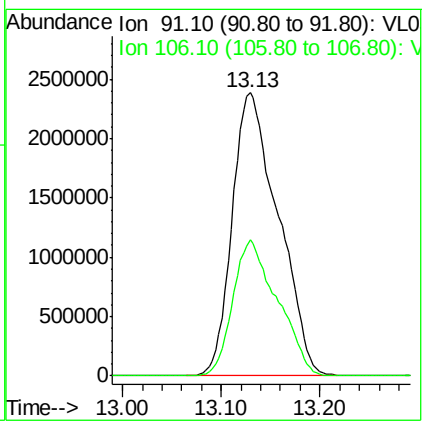


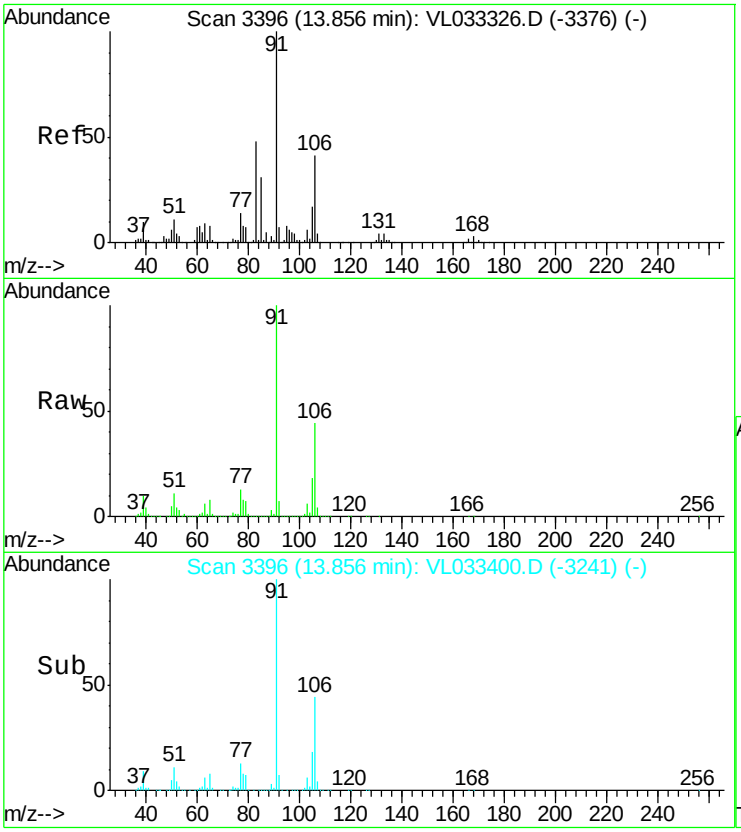


#59
m/p-Xylene
Concen: 29.239 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 91 Resp: 7690286

Ion	Ratio	Lower	Upper
91	100		
106	46.8	0.0	0.0#



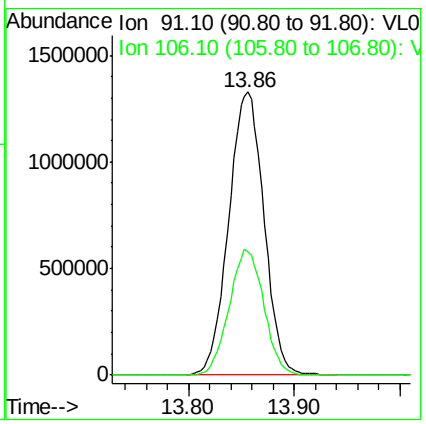


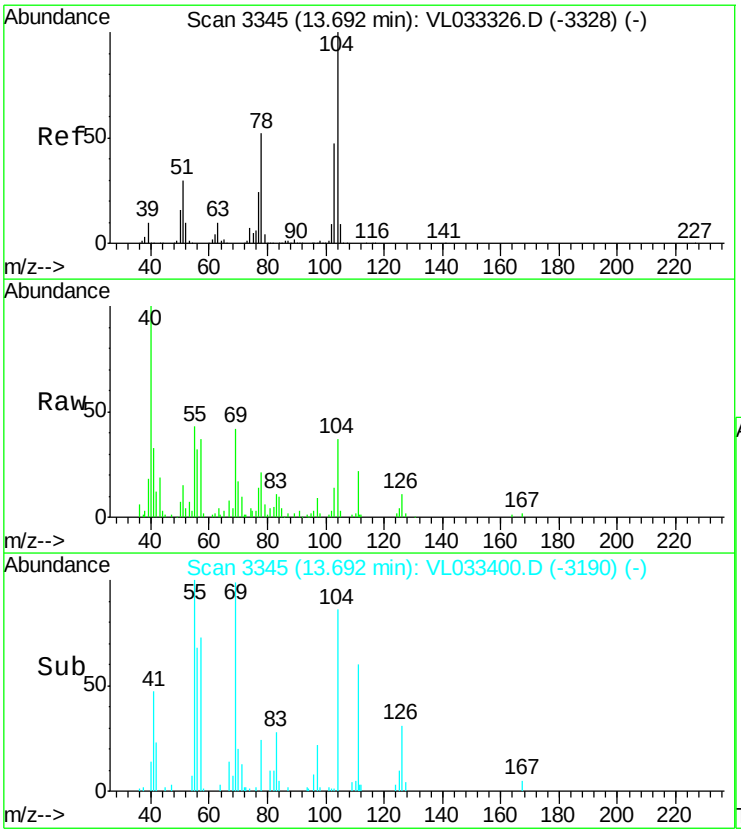
#60
o-Xylene
Concen: 11.921 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 91 Resp: 3058907

Ion	Ratio	Lower	Upper
91	100		
106	44.0	21.3	63.9

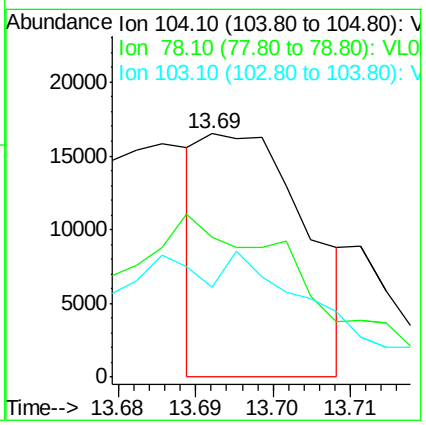


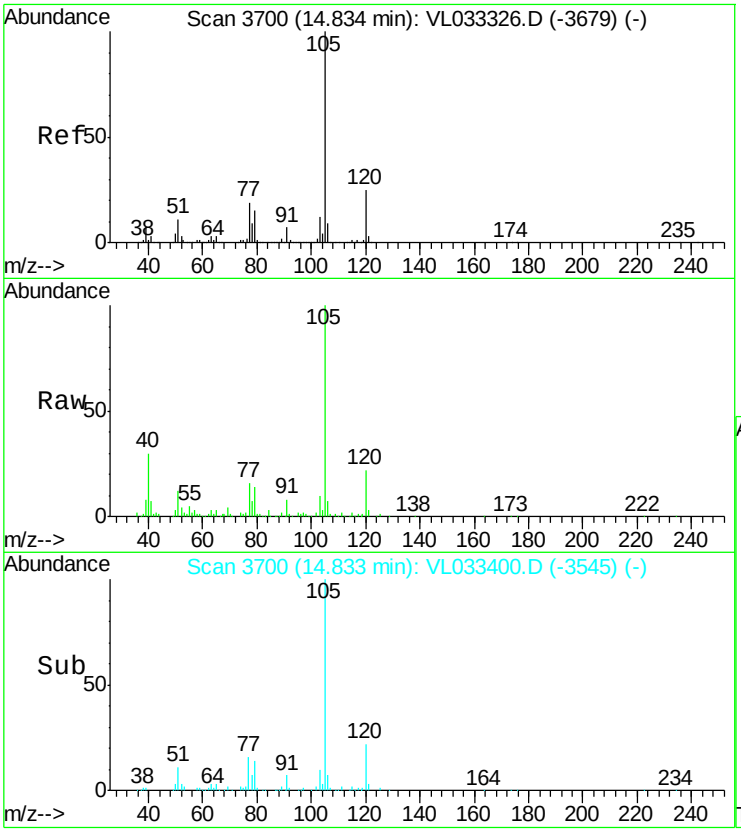


#61
Styrene
Concen: 0.086 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion:104 Resp: 15447

Ion	Ratio	Lower	Upper
104	100		
78	151.0	42.7	64.1#
103	119.4	38.0	57.0#



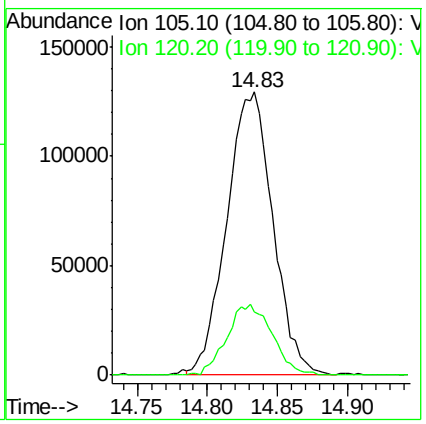


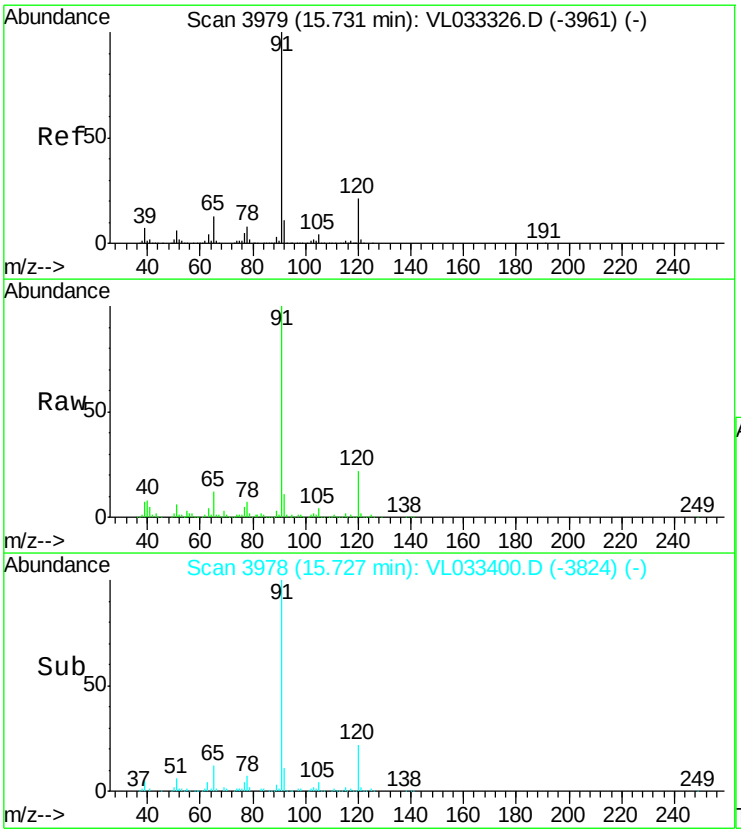
#62
Isopropylbenzene
Concen: 0.825 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion:105 Resp: 294201

Ion	Ratio	Lower	Upper
105	100		
120	24.7	19.9	29.9

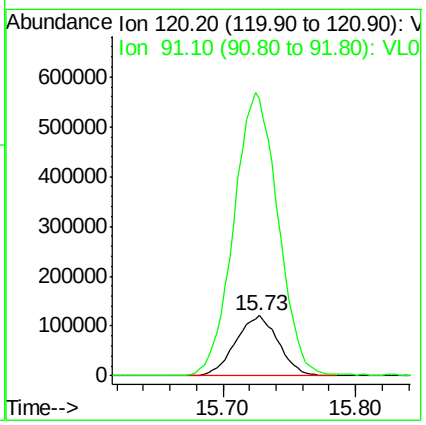


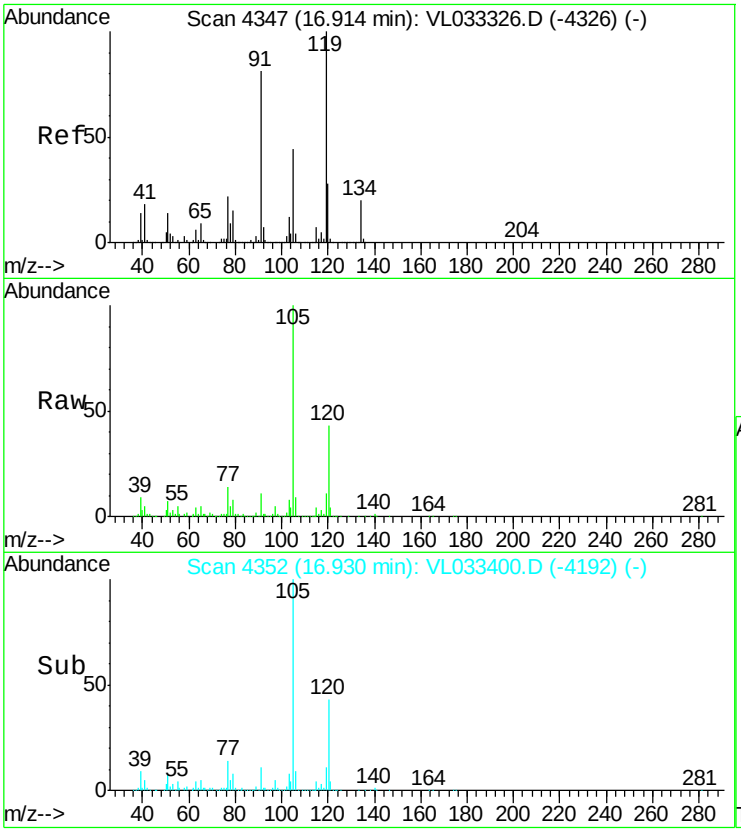


#64
n-propylbenzene
Concen: 3.005 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion:120 Resp: 271228

Ion	Ratio	Lower	Upper
120	100		
91	483.4	389.8	584.6



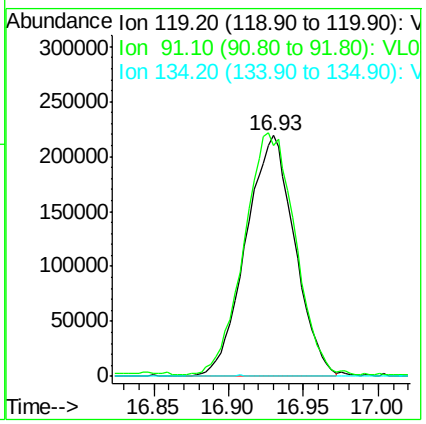


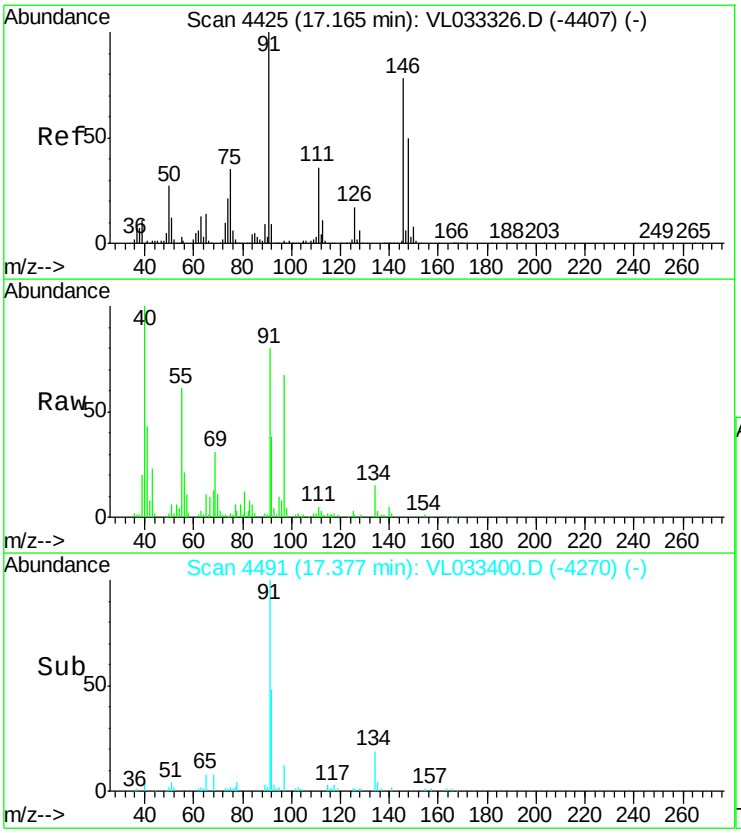
#65
tert-Butylbenzene
Concen: 1.537 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.02 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion:119 Resp: 493482

Ion	Ratio	Lower	Upper
119	100		
91	106.7	67.2	100.8#
134	0.2	15.4	23.2#

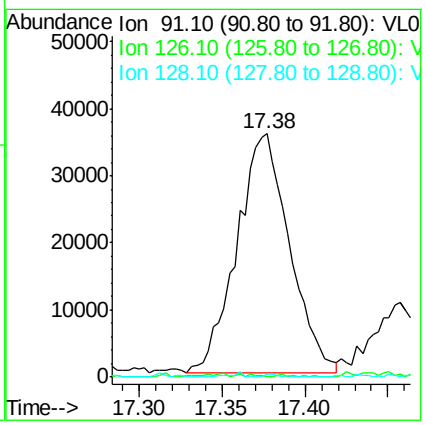


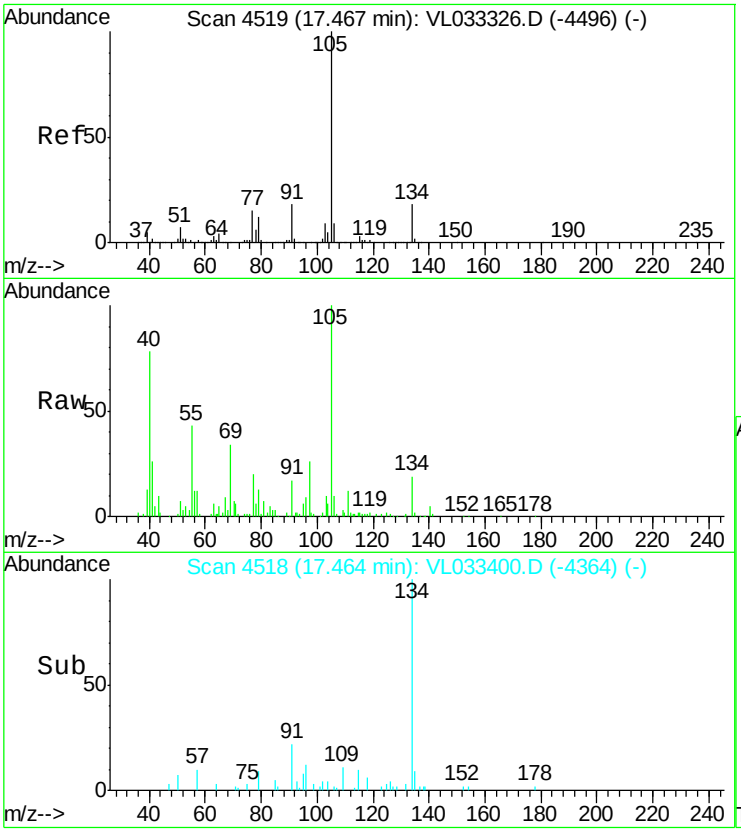


#66
Benzyl Chloride
Concen: 0.597 ppbv
RT: 17.38 min Scan# 4491
Delta R.T. 0.21 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 91 Resp: 79175

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.2	19.8#
128	0.3	4.2	6.4#



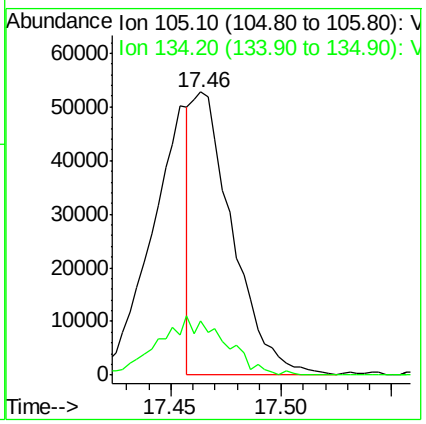


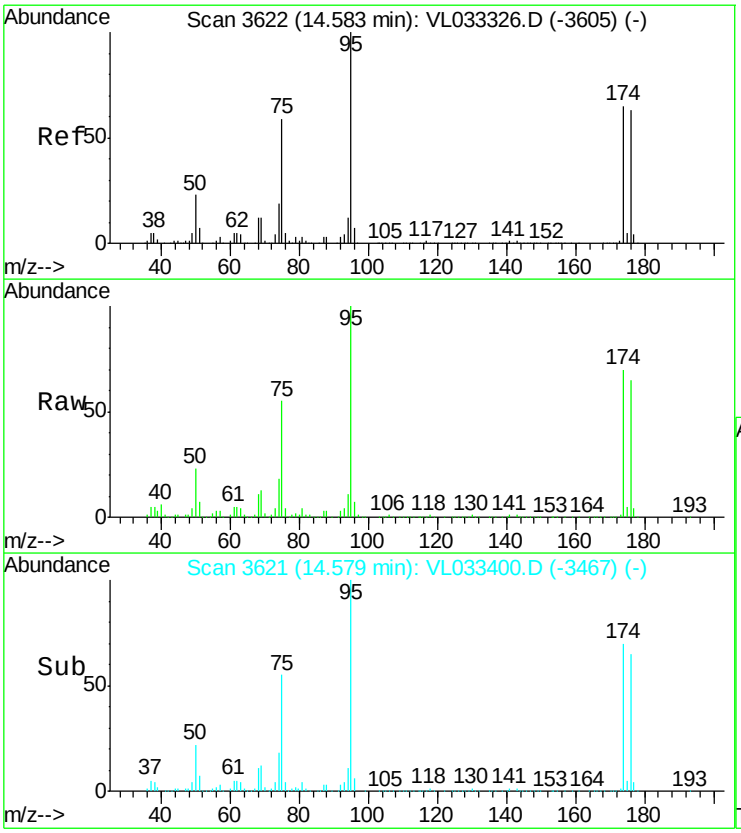
#67
sec-Butylbenzene
Concen: 0.149 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion:105 Resp: 67645

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.2	21.4#

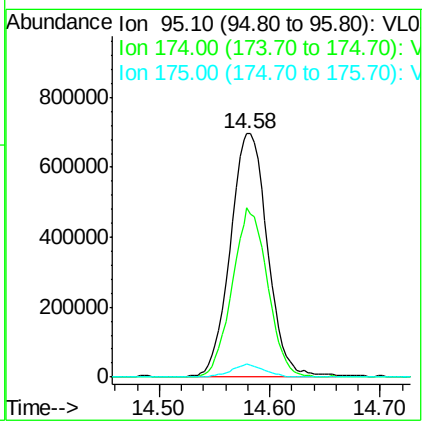


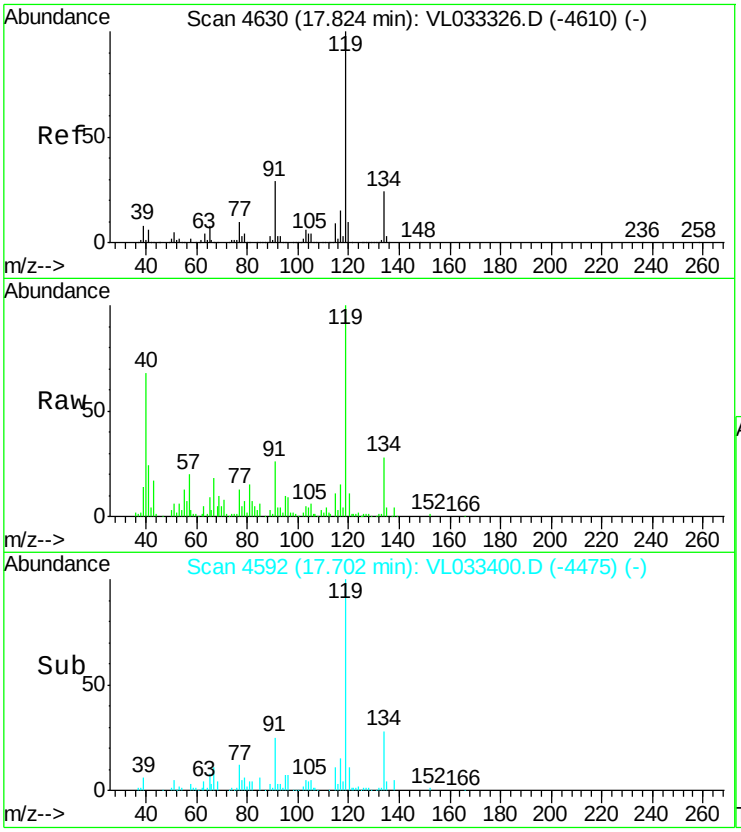


#68
1-Bromo-4-Fluorobenzene
Concen: 10.127 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 95 Resp: 1623538

Ion	Ratio	Lower	Upper
95	100		
174	66.5	51.5	77.3
175	4.8	3.8	5.6



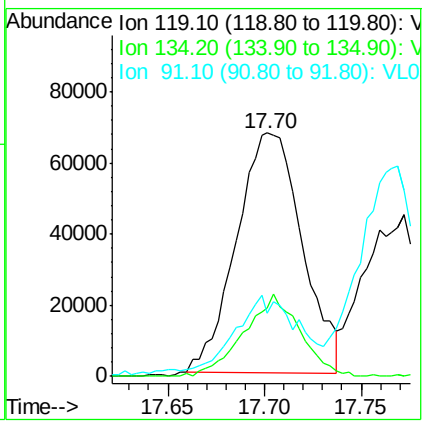


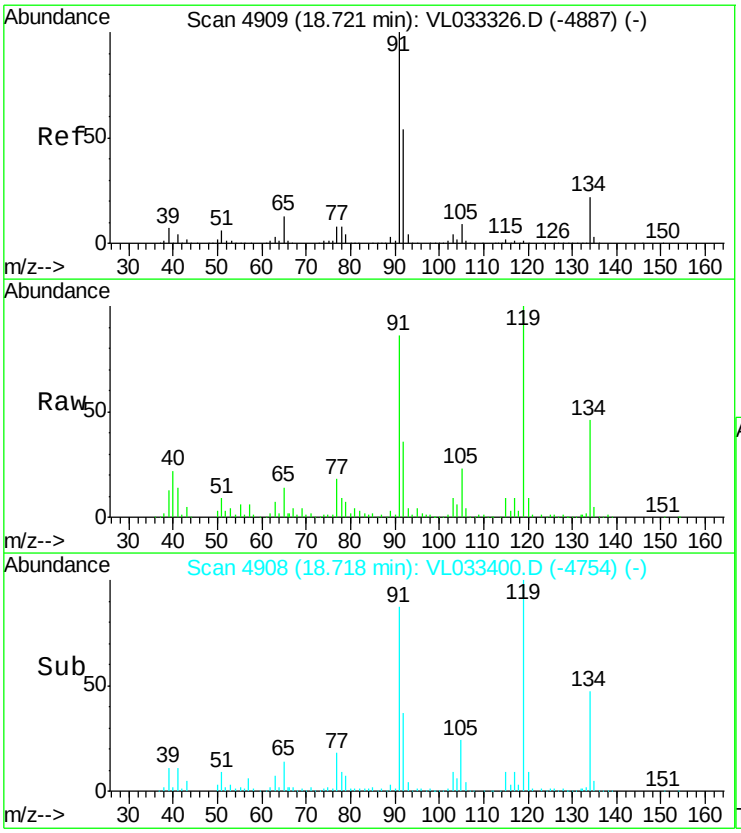
#69
p-Isopropyltoluene
Concen: 0.429 ppbv
RT: 17.70 min Scan# 4592
Delta R.T. -0.12 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion:119 Resp: 159640

Ion	Ratio	Lower	Upper
119	100		
134	29.2	19.8	29.6
91	31.4	23.4	35.2

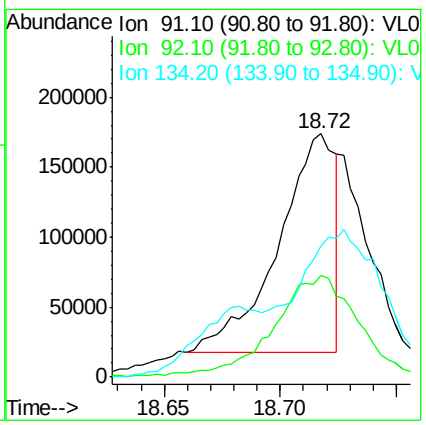


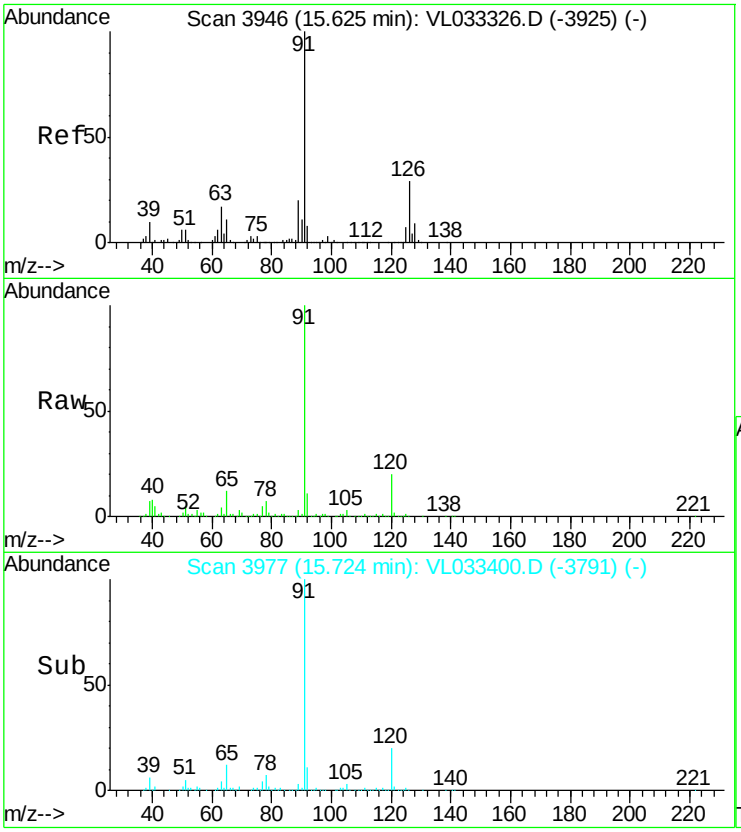


#70
n-Butylbenzene
Concen: 0.672 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion: 91 Resp: 266364

Ion	Ratio	Lower	Upper
91	100		
92	68.9	42.8	64.2#
134	140.2	17.4	26.0#



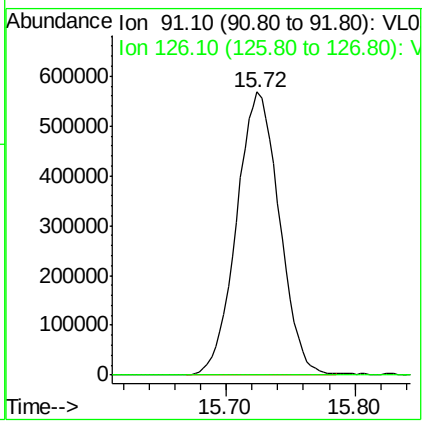


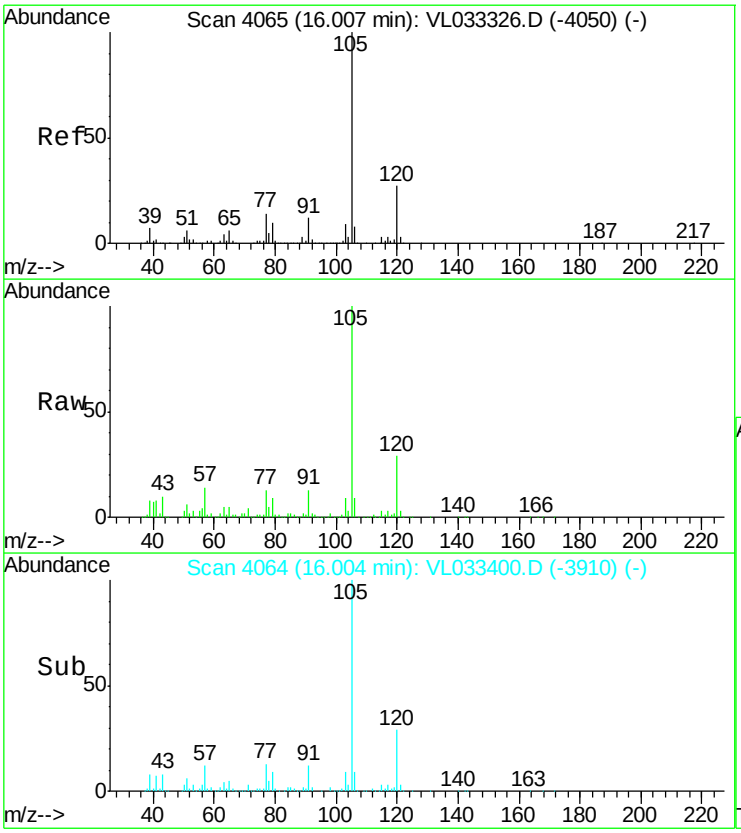
#71
2-Chlorotoluene
Concen: 4.690 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. 0.10 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument : MSVOA_L
ClientSampleId : IA2

Tgt Ion: 91 Resp: 1302240

Ion	Ratio	Lower	Upper
91	100		
126	0.3	11.6	46.6#

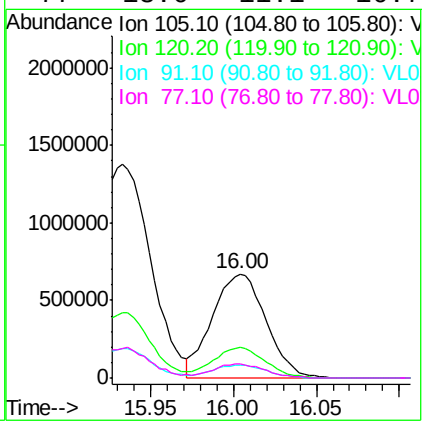


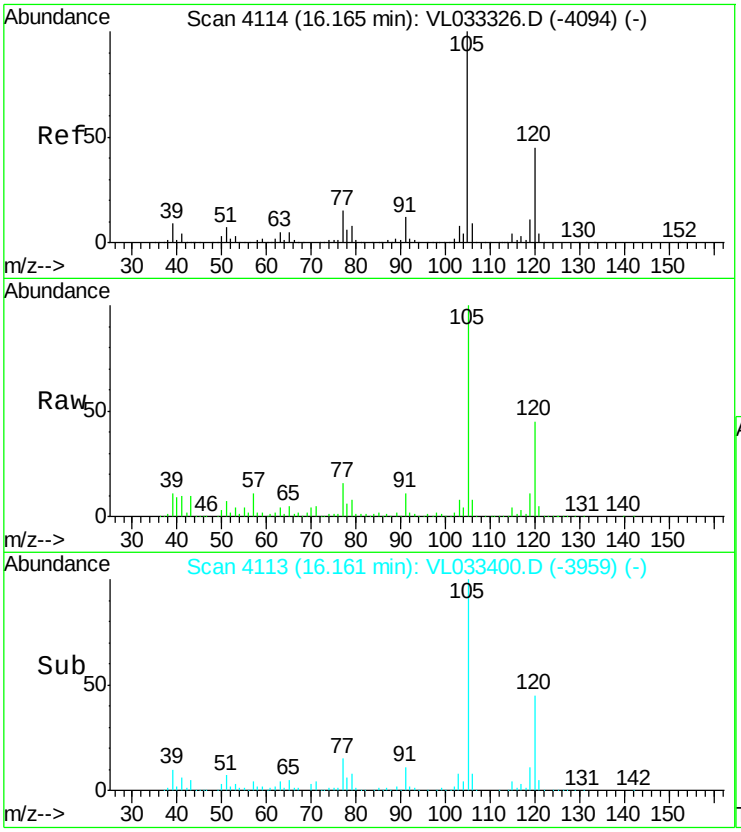


#72
4-Ethyltoluene
Concen: 5.134 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion:105 Resp: 1496028

Ion	Ratio	Lower	Upper
105	100		
120	29.6	22.9	34.3
91	12.9	10.2	15.2
77	13.6	11.1	16.7



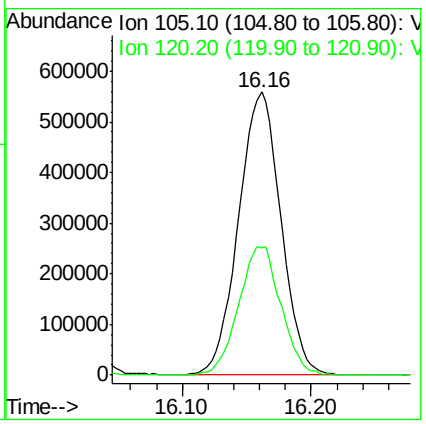


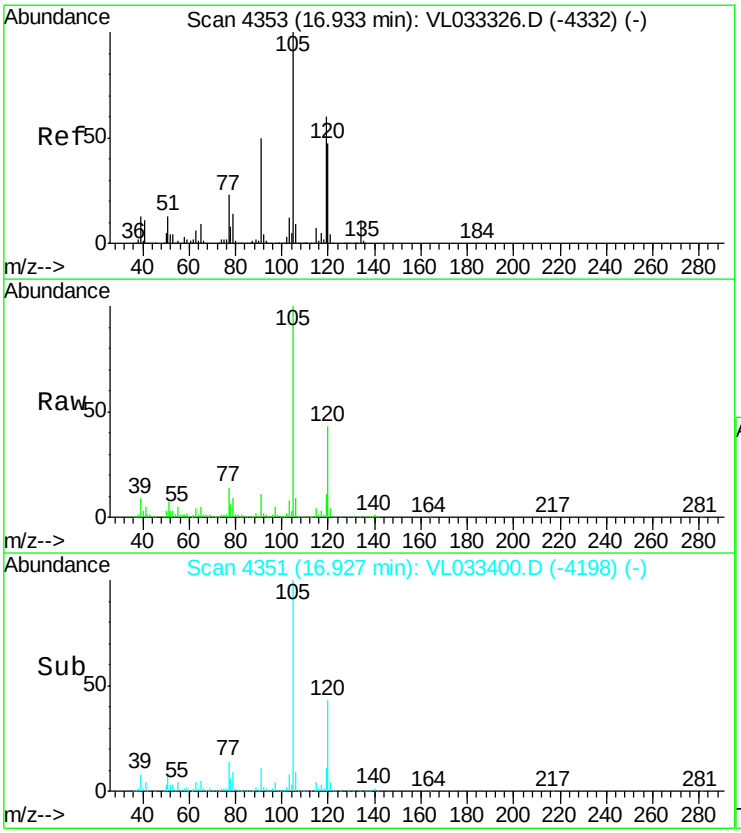
#73
1,3,5-Trimethylbenzene
Concen: 4.467 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion:105 Resp: 1267971

Ion	Ratio	Lower	Upper
105	100		
120	45.0	36.2	54.4

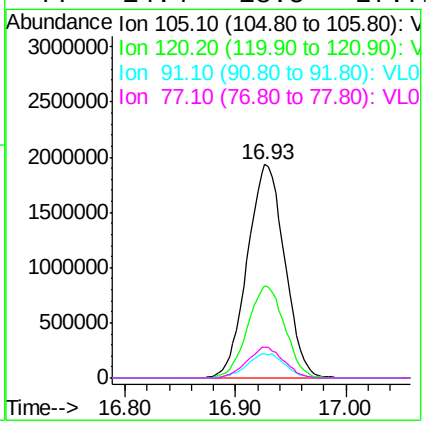


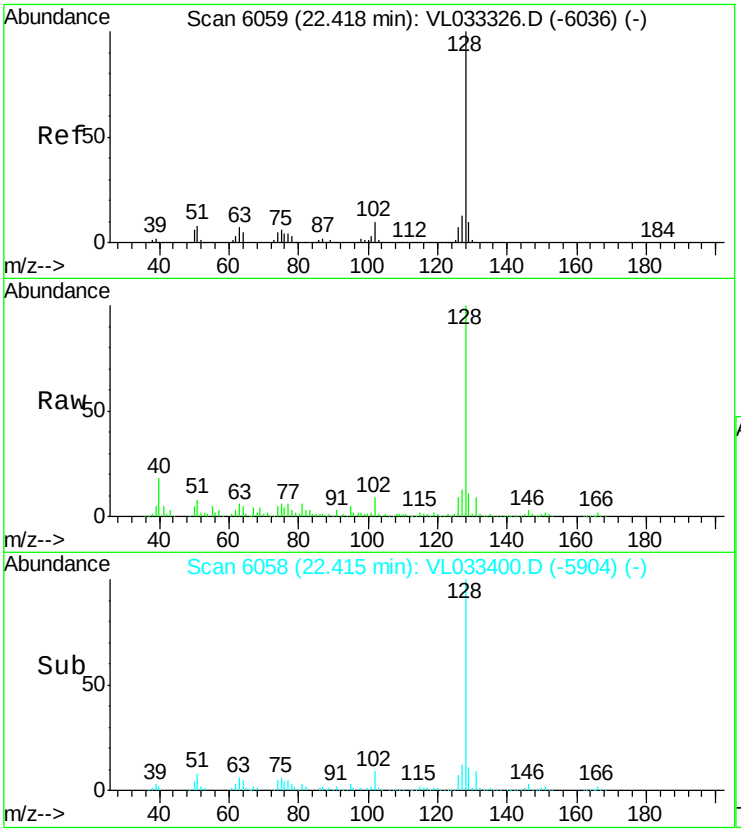


#74
1,2,4-Trimethylbenzene
Concen: 15.023 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion:105 Resp: 4516588

Ion	Ratio	Lower	Upper
105	100		
120	43.1	37.4	56.2
91	11.3	41.0	61.4#
77	14.4	18.5	27.7#



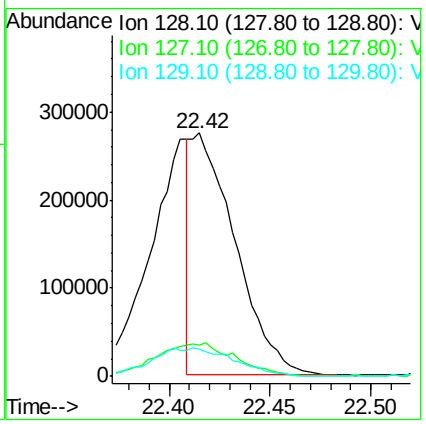


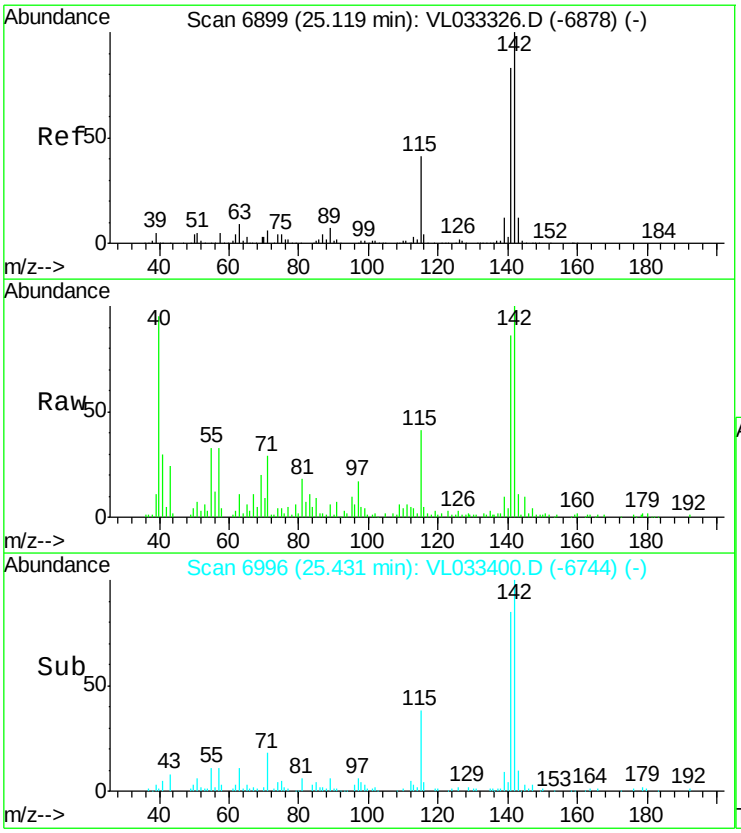
#79
Naphthalene
Concen: 1.427 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion:128 Resp: 413534

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.1	8.2	12.2





#80
Naphthalene,2-methyl-
Concen: 0.685 ppbv
RT: 25.43 min Scan# 6996
Delta R.T. 0.31 min
Lab File: VL033400.D
Acq: 20 Mar 2019 21:46

Tgt Ion:142 Resp: 94122

Ion	Ratio	Lower	Upper
142	100		
141	86.6	67.1	100.7
115	42.7	33.8	50.6