Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033634.D
Acq On : 2 May 2019 19:05
Operator : SY/AP
Sample : K2628-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-5

Quant Time: May 03 02:29:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 06:29:02 2019
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	875430	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2095016	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2306883	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1709129	9.73	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	77413	0.587	ppbv		95
3) Chlorodifluoromethane	2.99	51	453426	4.332	ppbv	#	63
4) Chloromethane	3.17	50	18121	0.318	ppbv	#	88
7) Chloroethane	3.60	64	201	0.010	ppbv	#	43
8) Dichlorotetrafluoroethane	3.21	85	1612	0.011	ppbv	#	59
9) Propene	3.05	41	34600	1.154	ppbv	#	62
10) Heptane	8.24	43	2956	0.027	ppbv	#	27
11) Trichlorofluoromethane	4.00	101	44424	0.283	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.55	101	9124	0.085	ppbv		96
13) Ethanol	3.65	45	729228	53.664	ppbv		99
15) Acetone	3.90	43	509470	4.780	ppbv		94
16) 1,3-Butadiene	3.34	39	4153	0.087	ppbv	#	14
19) Isopropyl Alcohol	4.03	45	173418	2.371	ppbv	#	93
20) Methylene Chloride	4.41	84	42461	1.022	ppbv		90
21) Allyl Chloride	4.40	41	868	0.013	ppbv	#	19
23) Vinyl Acetate	5.14	43	10618	0.067	ppbv	#	85
25) Ethyl Acetate	5.77	43	87383	0.432	ppbv	#	88
26) Hexane	5.78	57	87785	1.031	ppbv	#	46
30) Cyclohexane	7.25	84	776	0.011	ppbv	#	1
34) 2-Butanone	5.34	43	25835	0.201	ppbv		99
35) Carbon Tetrachloride	7.12	117	4077	0.025	ppbv	#	60
36) Benzene	7.00	78	9424	0.053	ppbv		94
37) 1,2-Dichloroethane	6.40	62	1700	0.014	ppbv		99
39) 1,2-Dichloropropane	7.29	63	559030	8.305	ppbv	#	23
41) Tetrahydrofuran	6.14	42	726	0.011	ppbv	#	36
53) Toluene	9.94	91	612091	2.717	ppbv		99
58) Ethyl Benzene	12.85	91	5591	0.021	ppbv	#	82
60) o-Xylene	13.84	91	4453	0.019	ppbv	#	32
61) Styrene	13.68	104	2499	0.016	ppbv	#	27
74) 1,2,4-Trimethylbenzene	16.92	105	15863	0.055	ppbv	#	82
80) Naphthalene,2-methyl-	25.12	142	2110	0.018	ppbv		91

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
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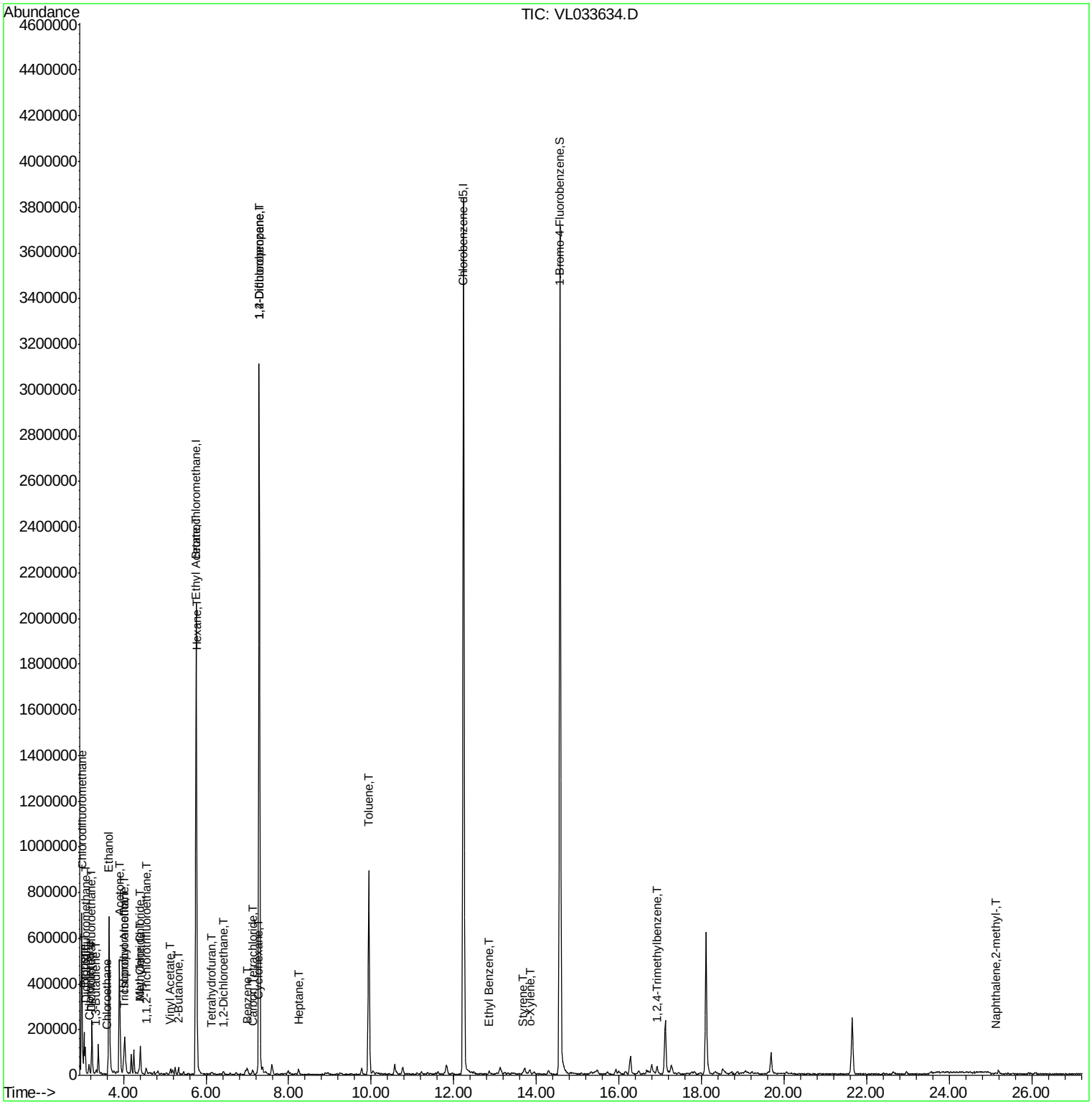
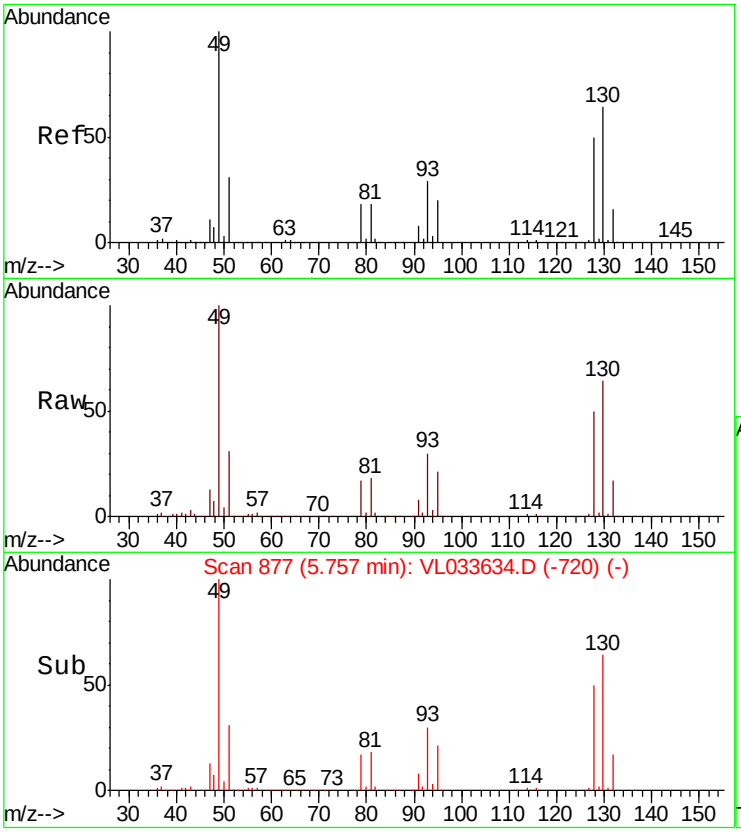
Acq On : 2 May 2019 19:05
Operator : SY/AP
Sample : K2628-05
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-5

Quant Time: May 03 02:29:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 06:29:02 2019
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration



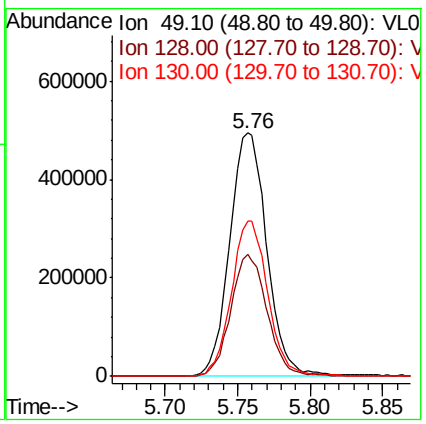


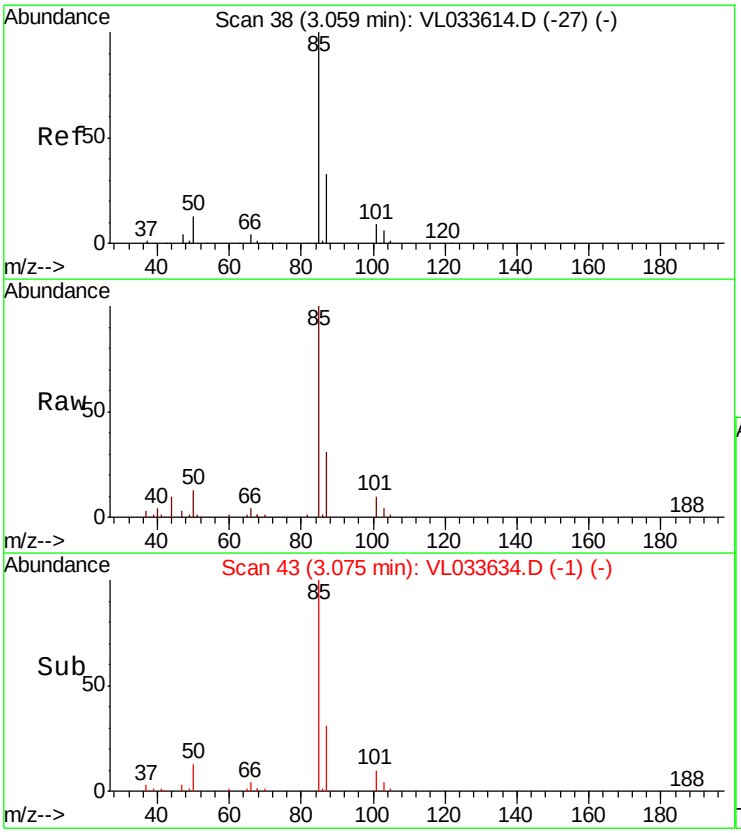
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument :
MSVOA_L
ClientSampleId :
A-5

Tgt Ion: 49 Resp: 875430

Ion	Ratio	Lower	Upper
49	100		
128	49.4	25.0	75.0
130	63.0	31.9	95.9

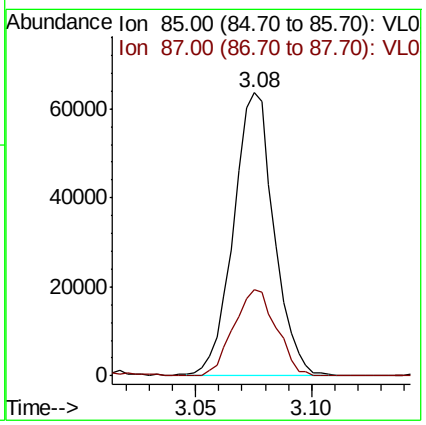


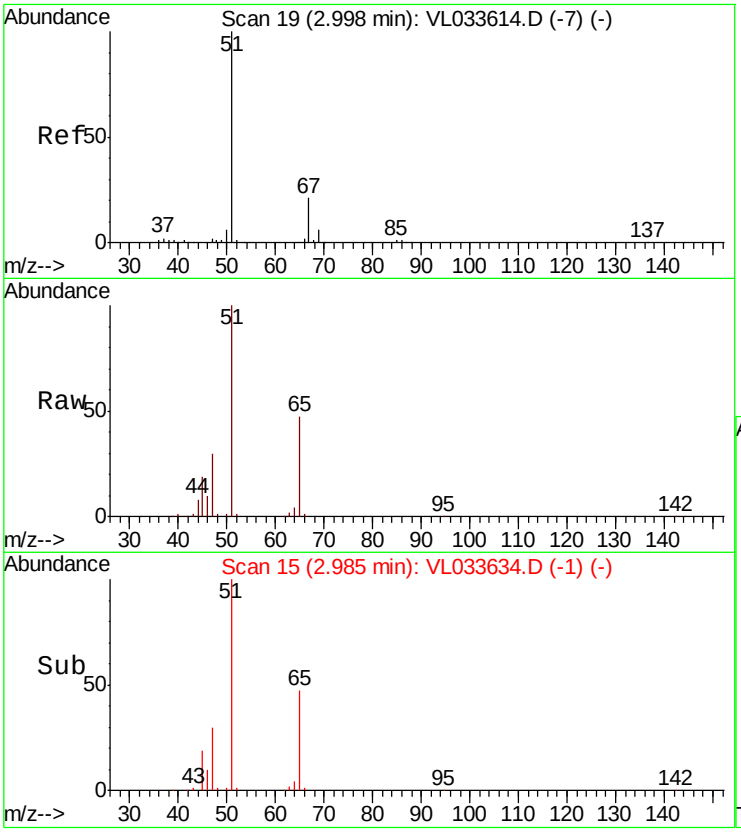


#2
Dichlorodifluoromethane
Concen: 0.587 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.02 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 85 Resp: 77413

Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.8	40.2



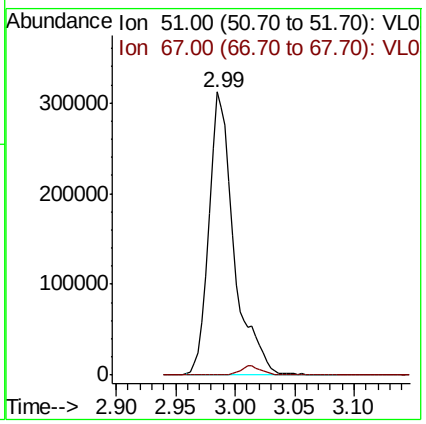


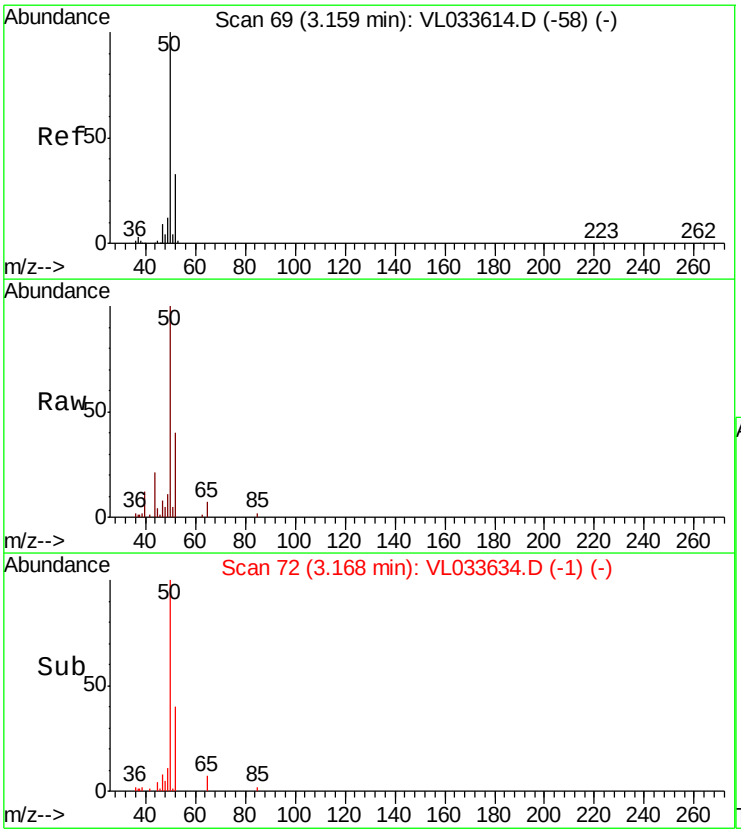
#3
Chlorodifluoromethane
Concen: 4.332 ppbv
RT: 2.99 min Scan# 15
Delta R.T. -0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 51 Resp: 453426

Ion	Ratio	Lower	Upper
51	100		
67	2.7	15.6	23.4#

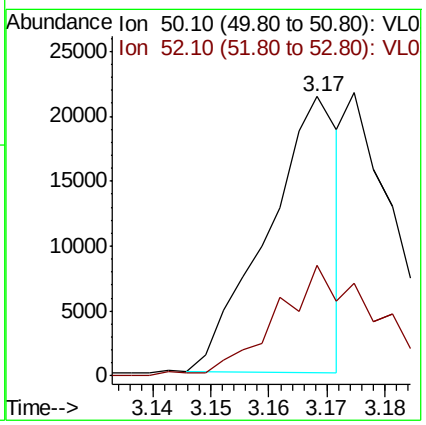


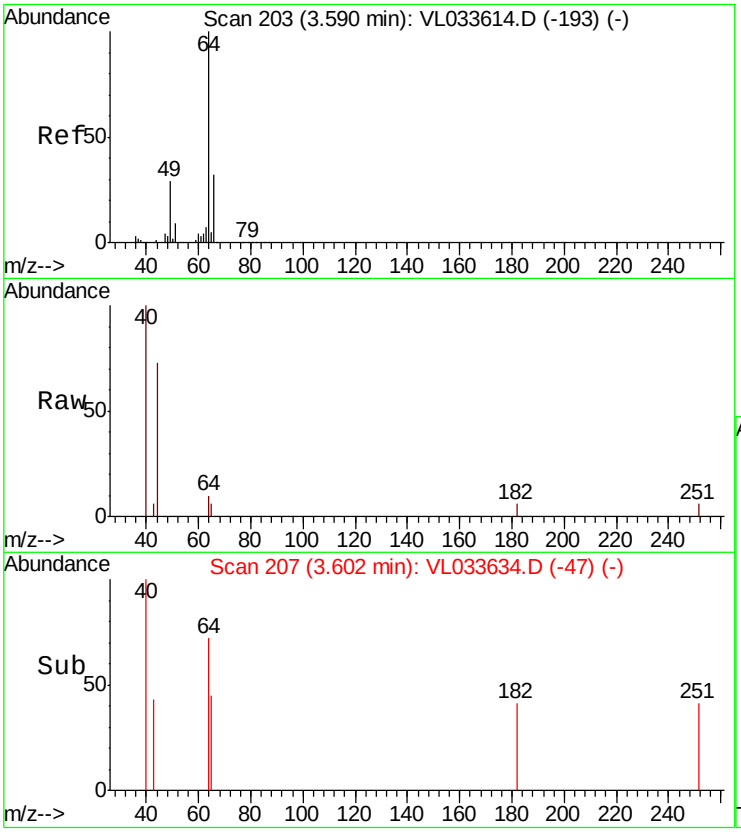


#4
Chloromethane
Concen: 0.318 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 50 Resp: 18121

Ion	Ratio	Lower	Upper
50	100		
52	39.2	26.0	39.0#



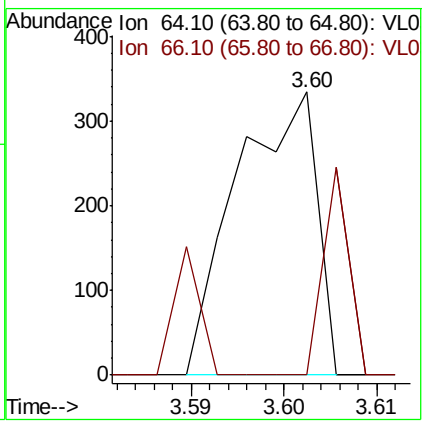


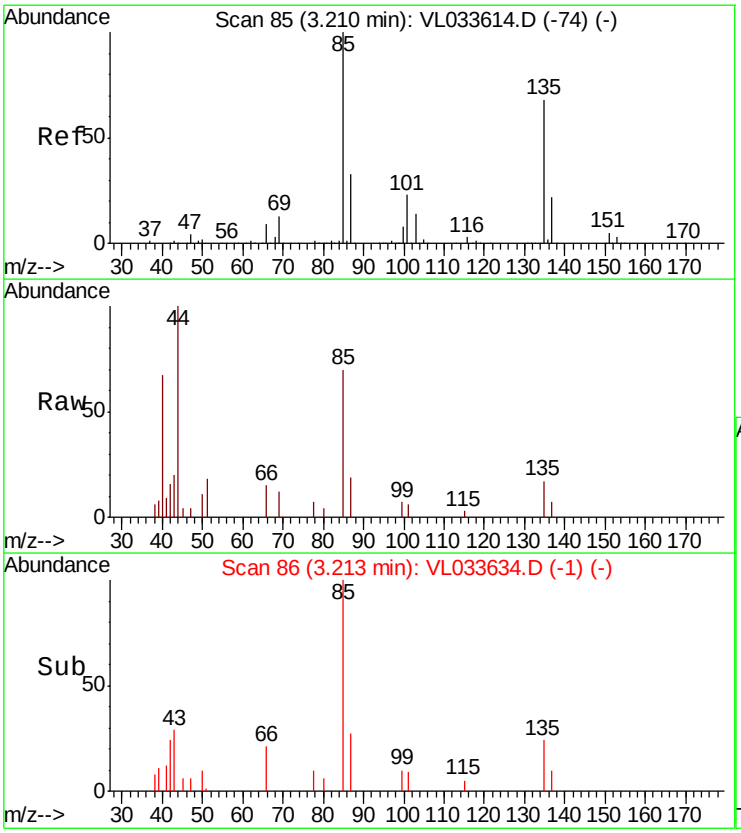
#7
Chloroethane
Concen: 0.010 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 64 Resp: 201

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.4	38.2#

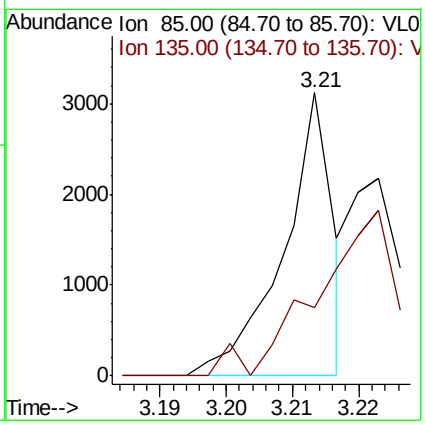


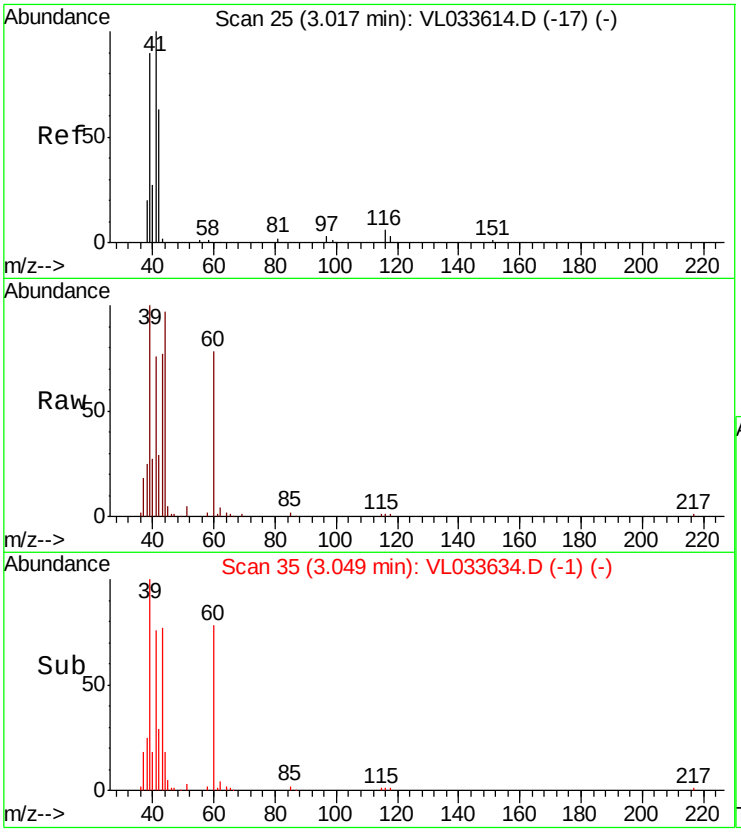


#8
Dichlorotetrafluoroethane
Concen: 0.011 ppbv
RT: 3.21 min Scan# 86
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 85 Resp: 1612

Ion	Ratio	Lower	Upper
85	100		
135	102.3	55.0	82.6#



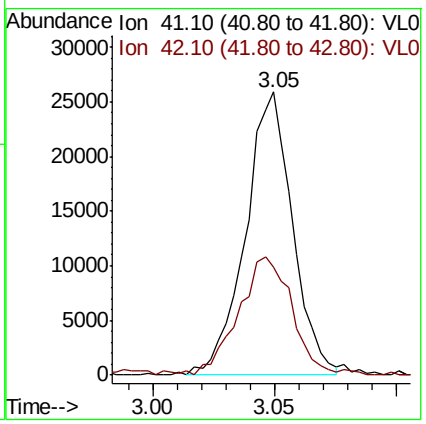


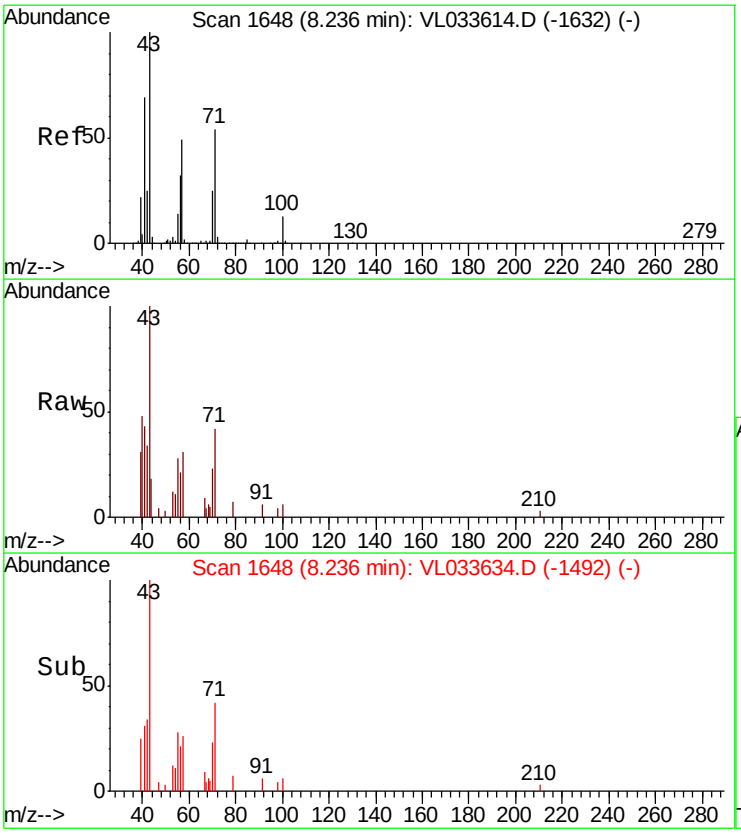
#9
Propene
Concen: 1.154 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.03 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument :
MSVOA_L
ClientSampleId :
A-5

Tgt Ion: 41 Resp: 34600

Ion	Ratio	Lower	Upper
41	100		
42	48.2	66.0	99.0#

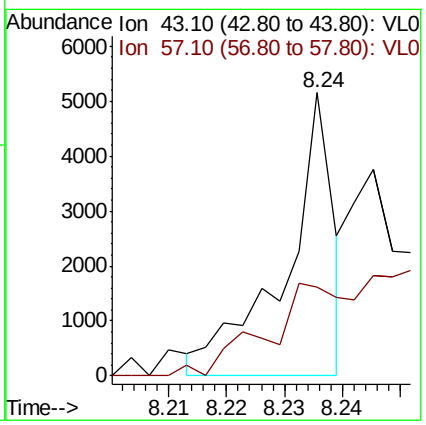


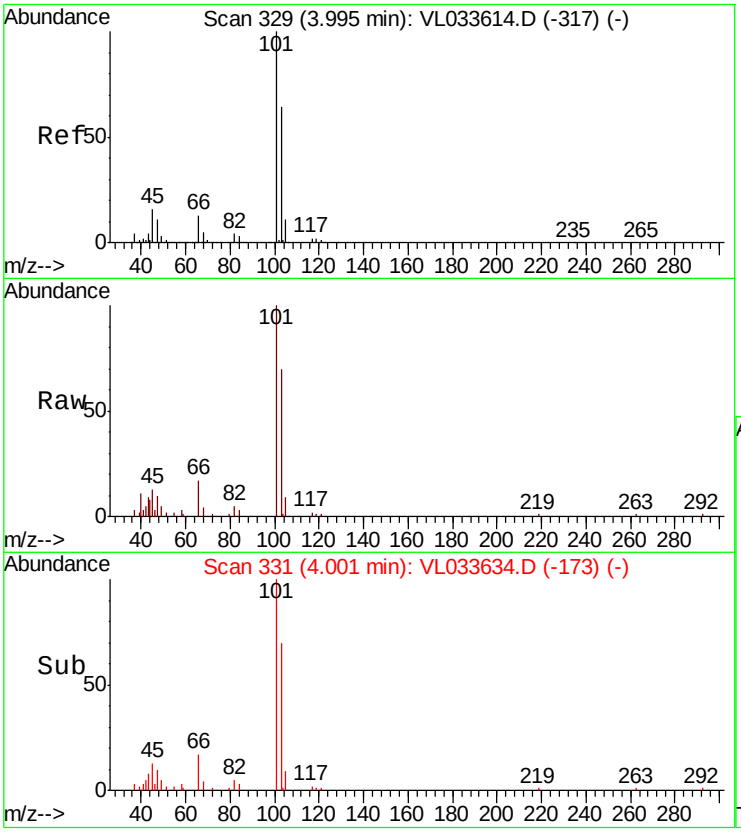


#10
Heptane
Concen: 0.027 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 43 Resp: 2956

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.3	60.5#



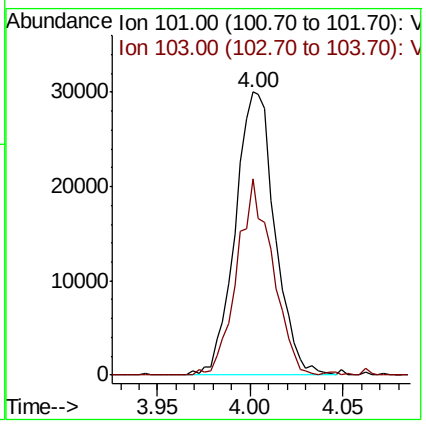


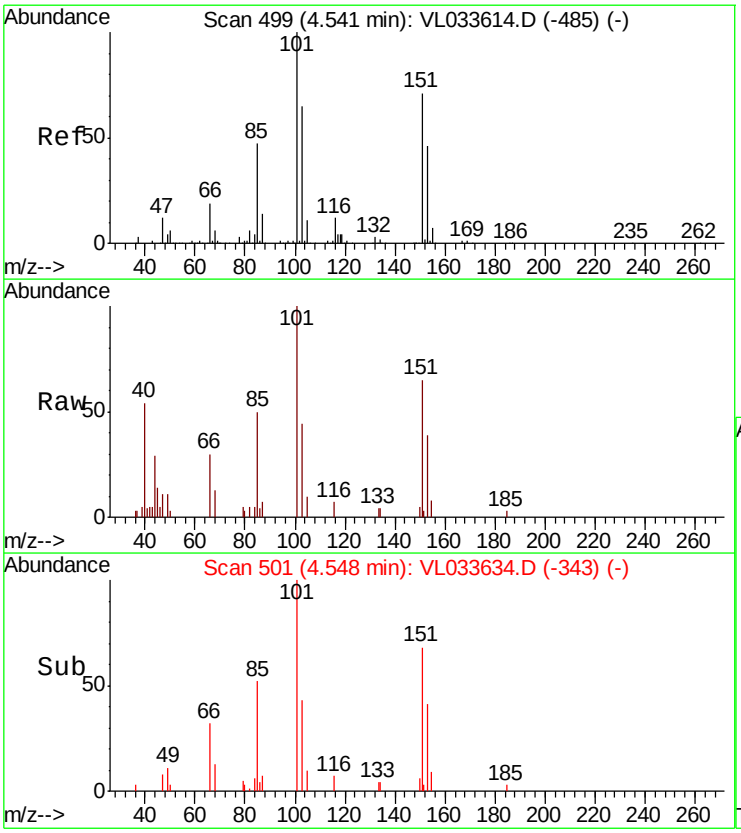
#11
Trichlorofluoromethane
Concen: 0.283 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument :
MSVOA_L
ClientSampleId :
A-5

Tgt Ion:101 Resp: 44424

Ion	Ratio	Lower	Upper
101	100		
103	69.5	51.2	76.8

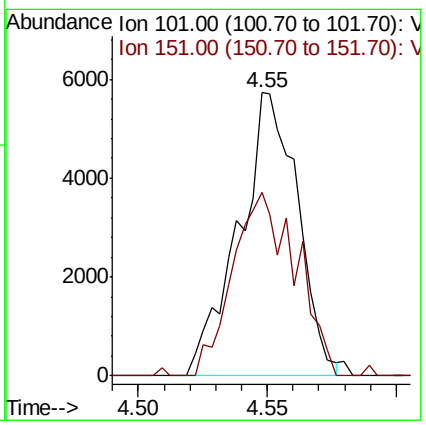


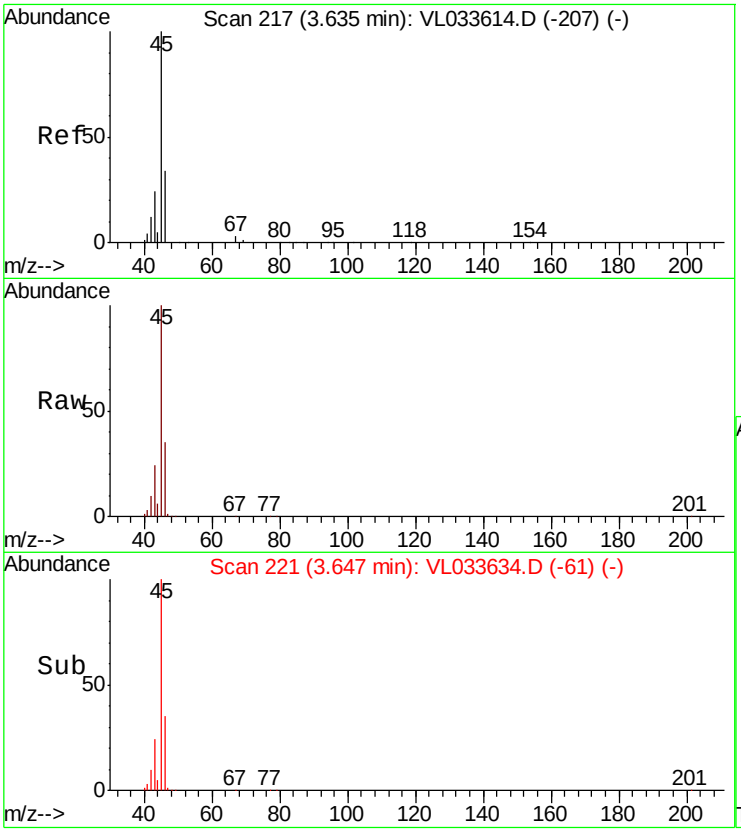


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.085 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion:101 Resp: 9124

Ion	Ratio	Lower	Upper
101	100		
151	70.6	59.2	88.8



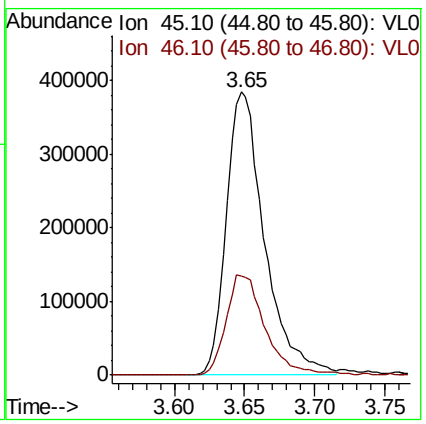


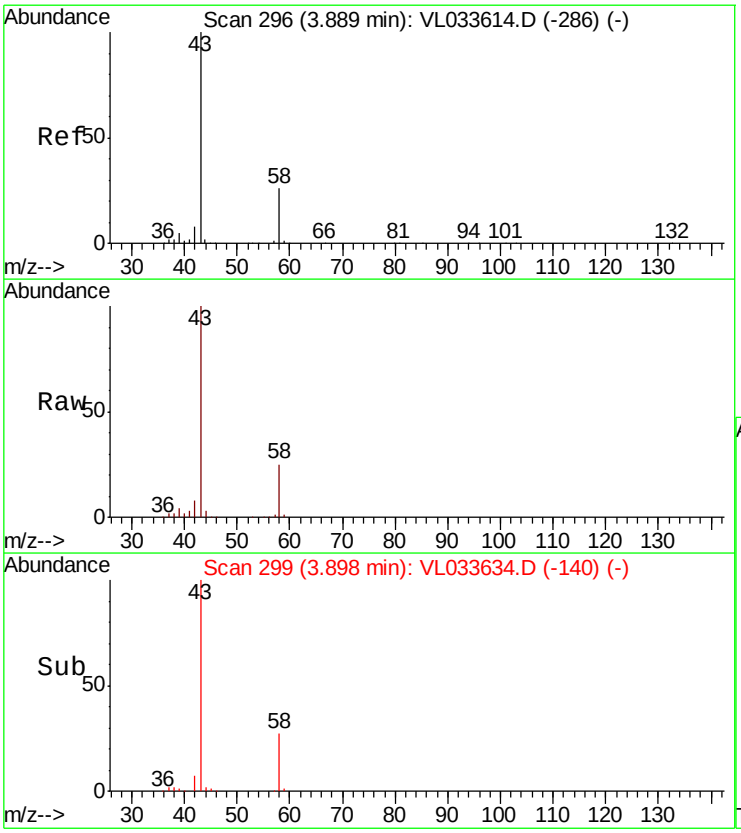
#13
Ethanol
Concen: 53.664 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument :
MSVOA_L
ClientSampleId :
A-5

Tgt Ion: 45 Resp: 729228

Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.6	58.2

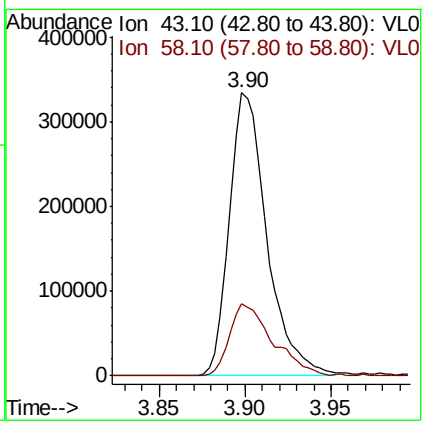


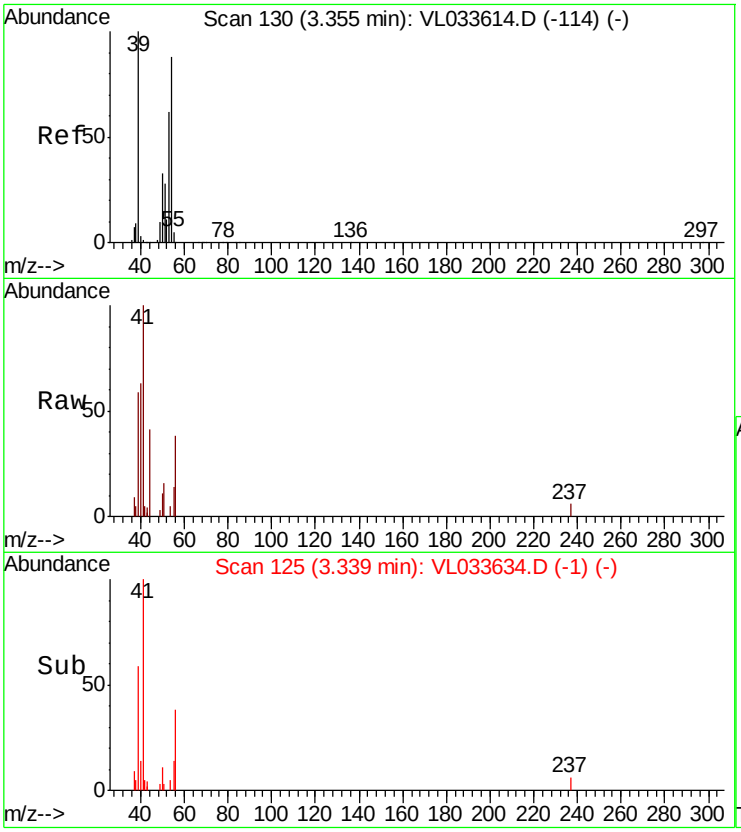


#15
Acetone
Concen: 4.780 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 43 Resp: 509470

Ion	Ratio	Lower	Upper
43	100		
58	29.7	21.2	31.8



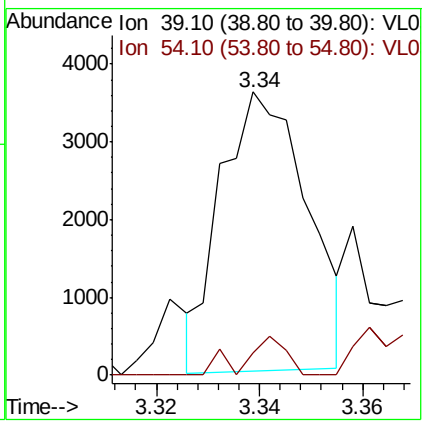


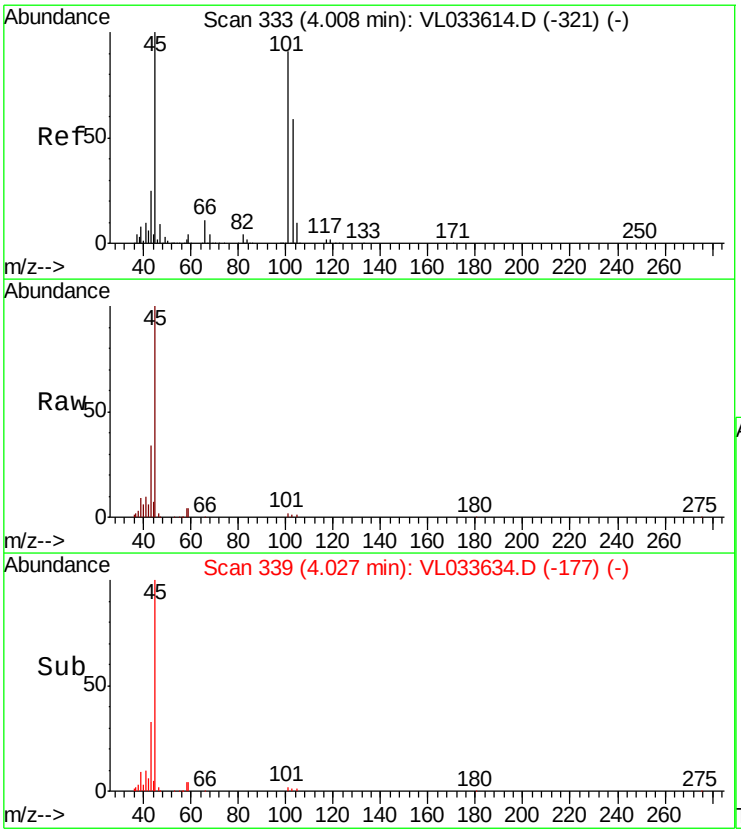
#16
1,3-Butadiene
Concen: 0.087 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 39 Resp: 4153

Ion	Ratio	Lower	Upper
39	100		
54	6.7	68.4	102.6#

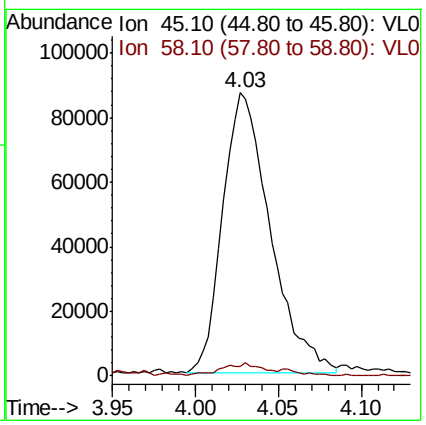


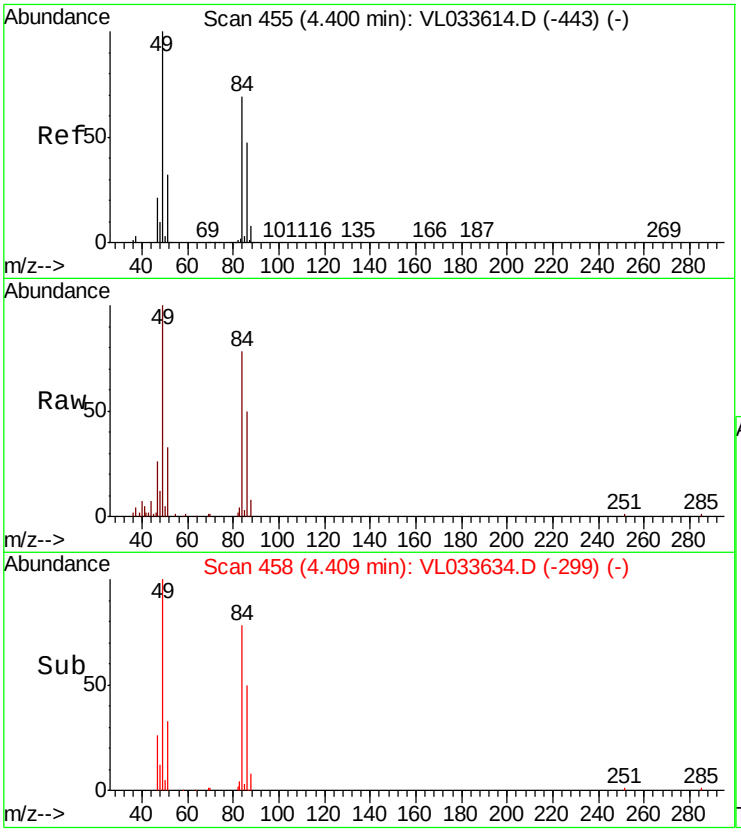


#19
Isopropyl Alcohol
Concen: 2.371 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.02 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 45 Resp: 173418

Ion	Ratio	Lower	Upper
45	100		
58	4.6	1.8	2.6#



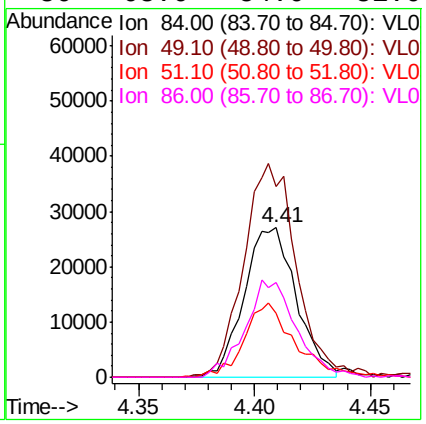


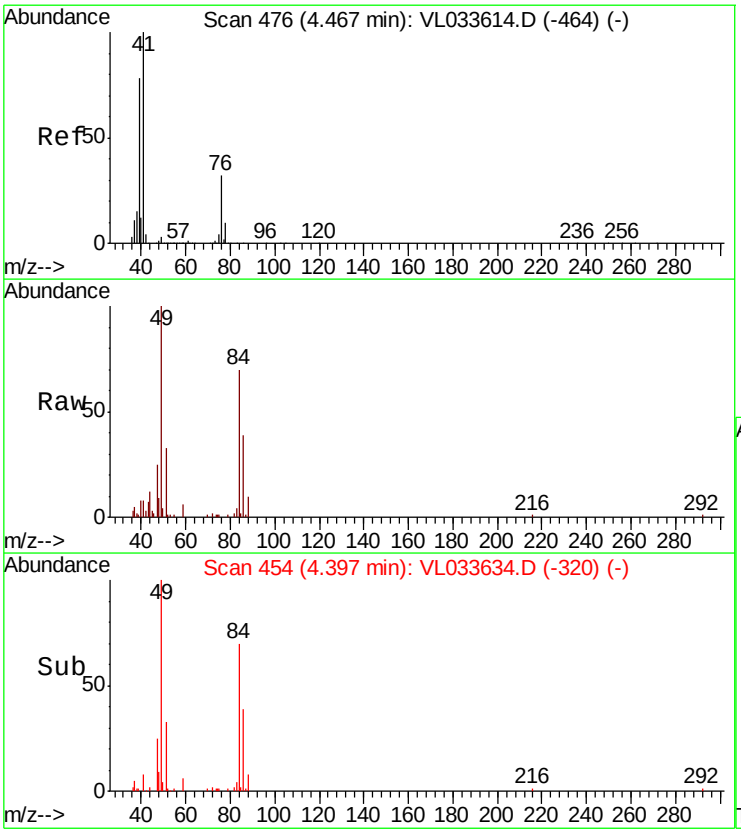
#20
Methylene Chloride
Concen: 1.022 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 84 Resp: 42461

Ion	Ratio	Lower	Upper
84	100		
49	127.9	116.2	174.2
51	41.3	37.0	55.6
86	63.6	54.0	81.0

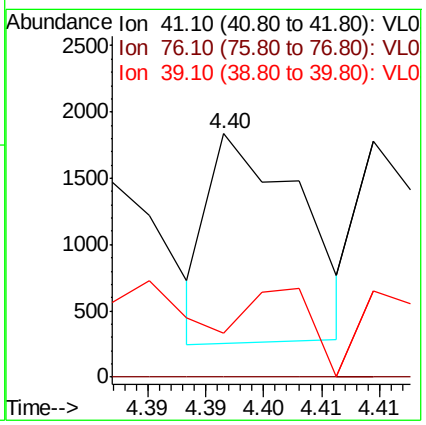


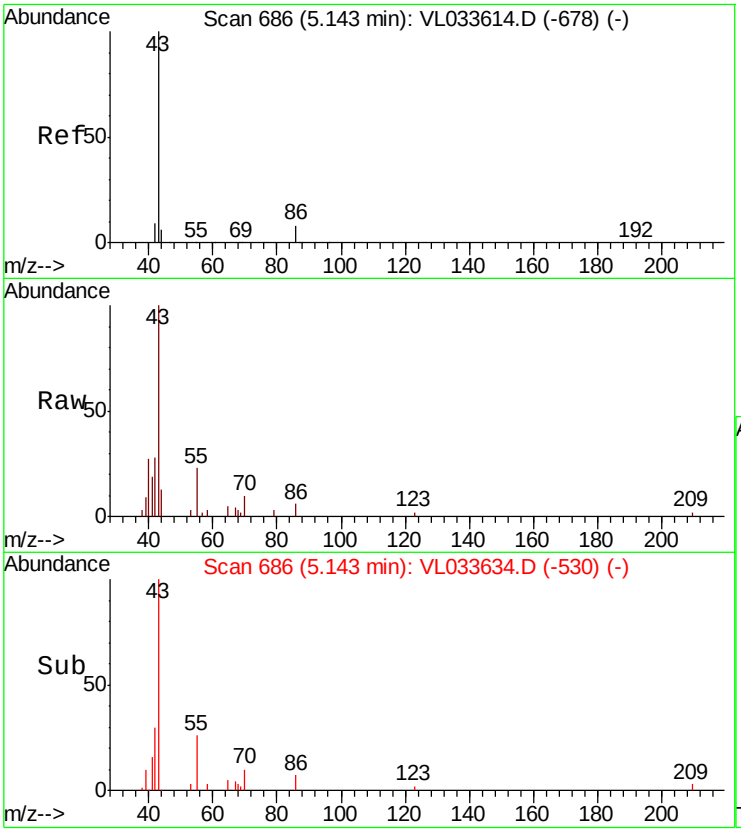


#21
Allyl Chloride
Concen: 0.013 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.07 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 41 Resp: 868

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.6#
39	0.0	64.6	96.8#



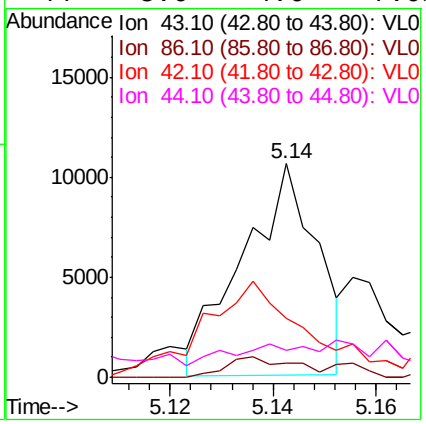


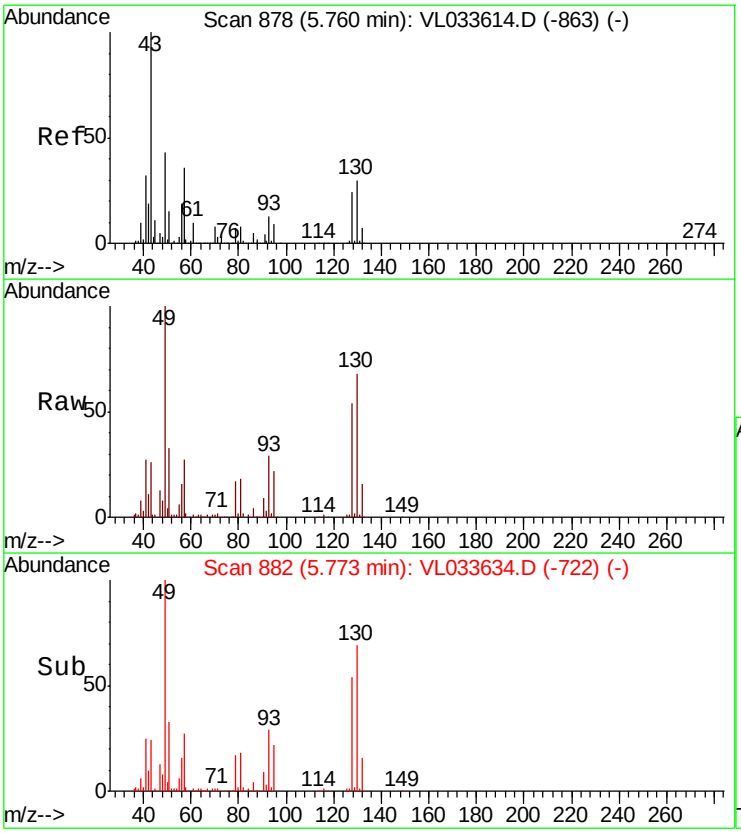
#23
Vinyl Acetate
Concen: 0.067 ppbv
RT: 5.14 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 43 Resp: 10618

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.8	8.8
42	20.7	7.8	11.8#
44	8.6	4.6	7.0#

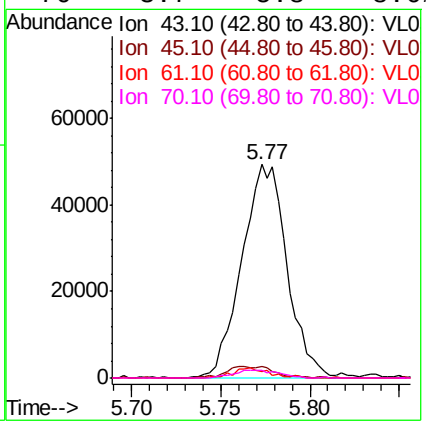


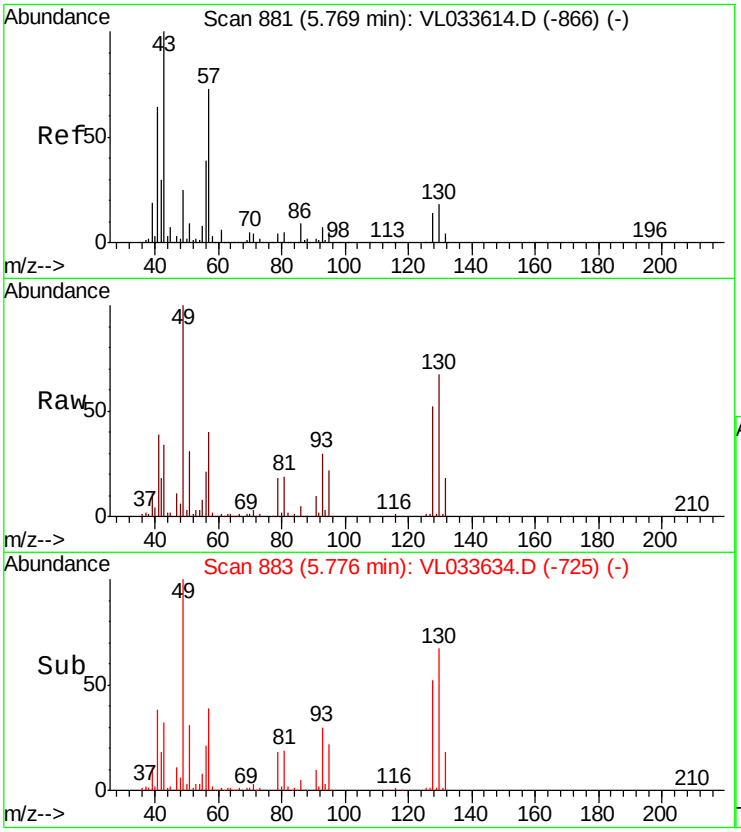


#25
Ethyl Acetate
Concen: 0.432 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 43 Resp: 87383

Ion	Ratio	Lower	Upper
43	100		
45	6.0	8.1	12.1#
61	3.9	7.5	11.3#
70	3.7	5.8	8.6#



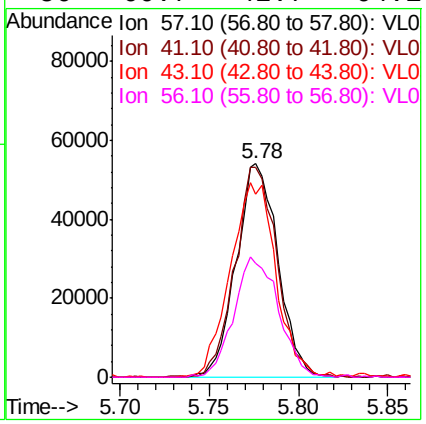


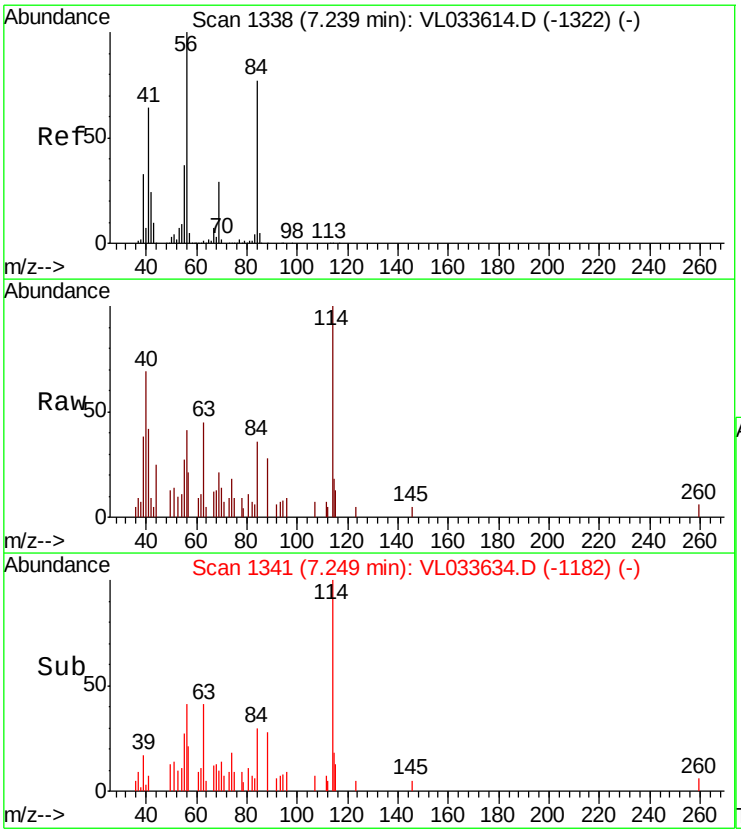
#26
Hexane
Concen: 1.031 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 57 Resp: 87785

Ion	Ratio	Lower	Upper
57	100		
41	99.9	70.6	106.0
43	100.6	186.0	279.0#
56	60.7	42.7	64.1

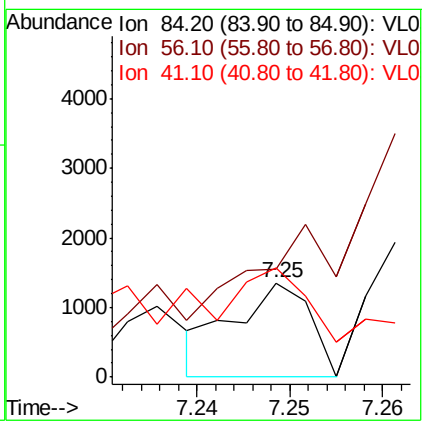


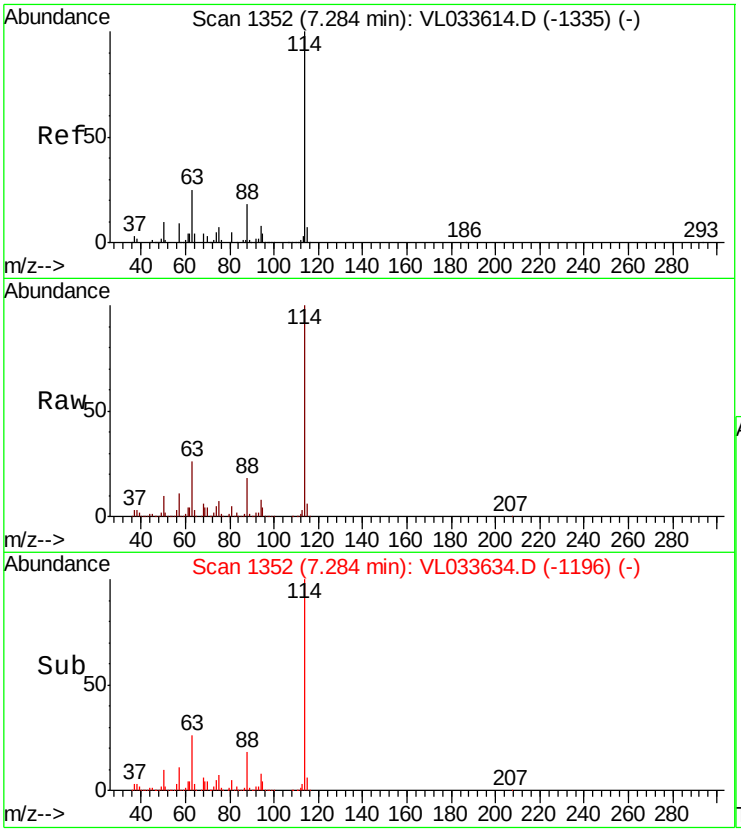


#30
Cyclohexane
Concen: 0.011 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 84 Resp: 776

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.4	162.6#
41	406.8	67.0	100.4#



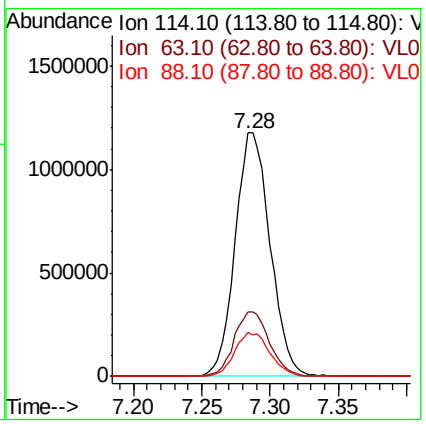


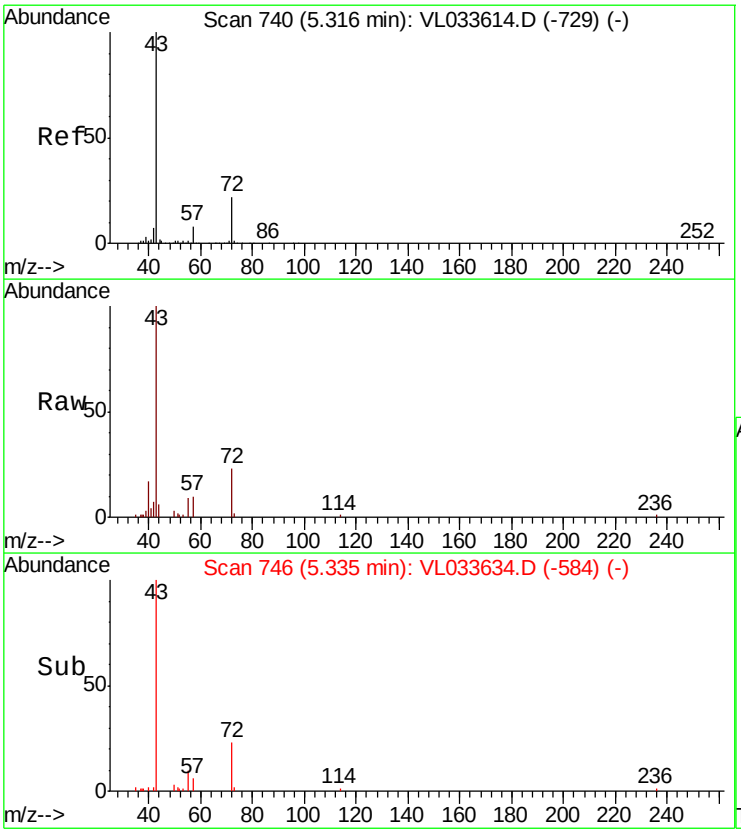
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument :
MSVOA_L
ClientSampleId :
A-5

Tgt Ion:114 Resp: 2095016

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.1	31.7
88	18.0	14.2	21.4

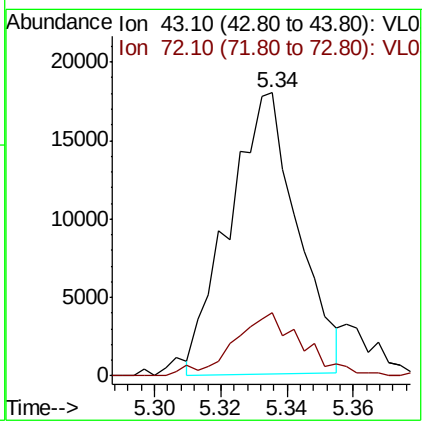


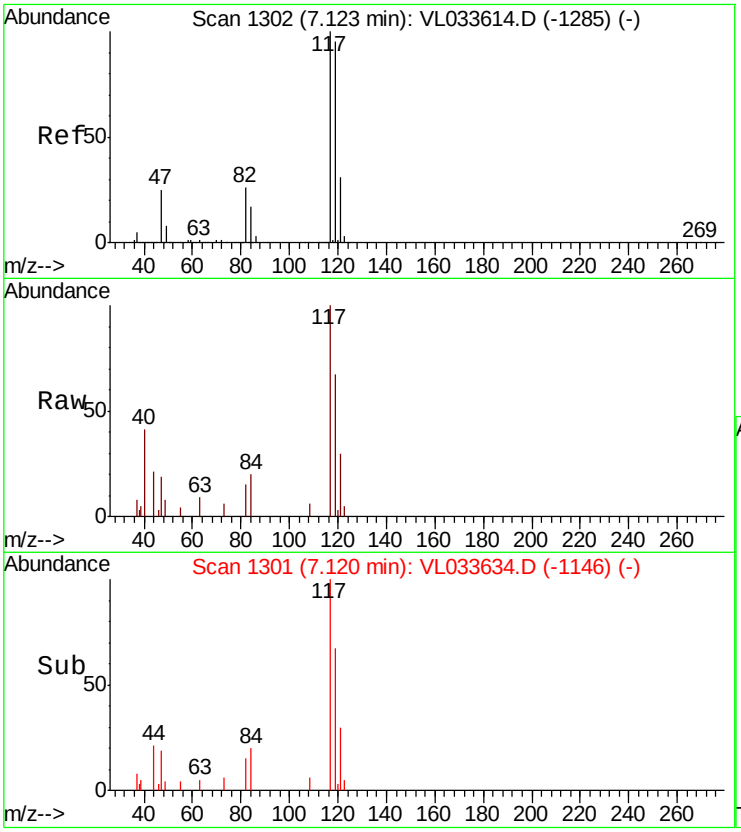


#34
2-Butanone
Concen: 0.201 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.02 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 43 Resp: 25835

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.8	26.8



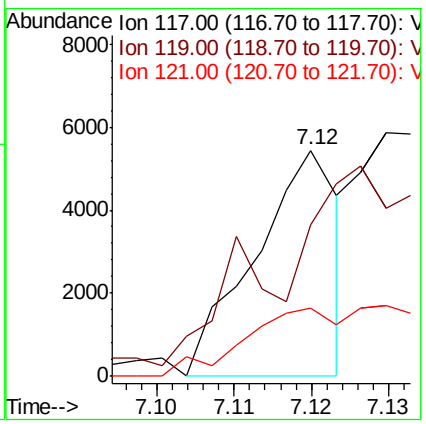


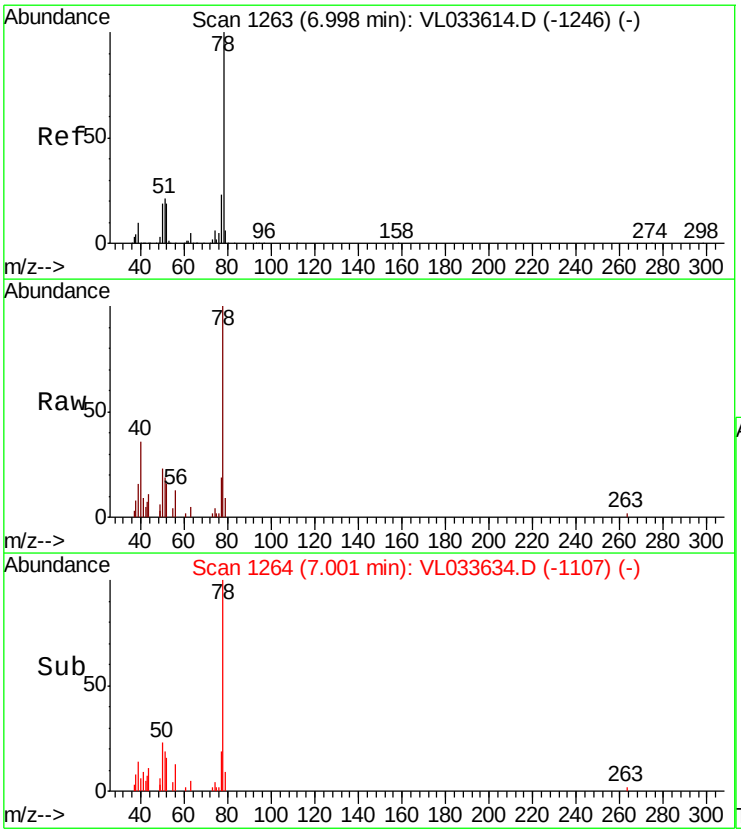
#35
Carbon Tetrachloride
Concen: 0.025 ppbv
RT: 7.12 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument :
MSVOA_L
ClientSampleId :
A-5

Tgt Ion:117 Resp: 4077

Ion	Ratio	Lower	Upper
117	100		
119	49.5	76.2	114.4#
121	21.5	24.9	37.3#

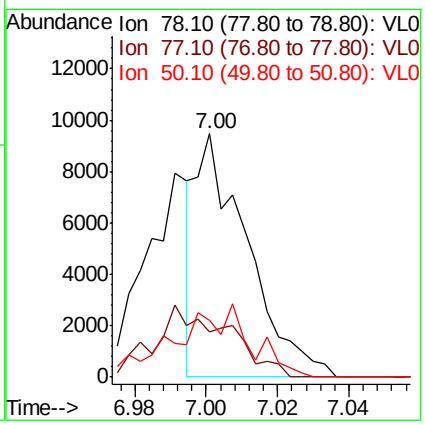


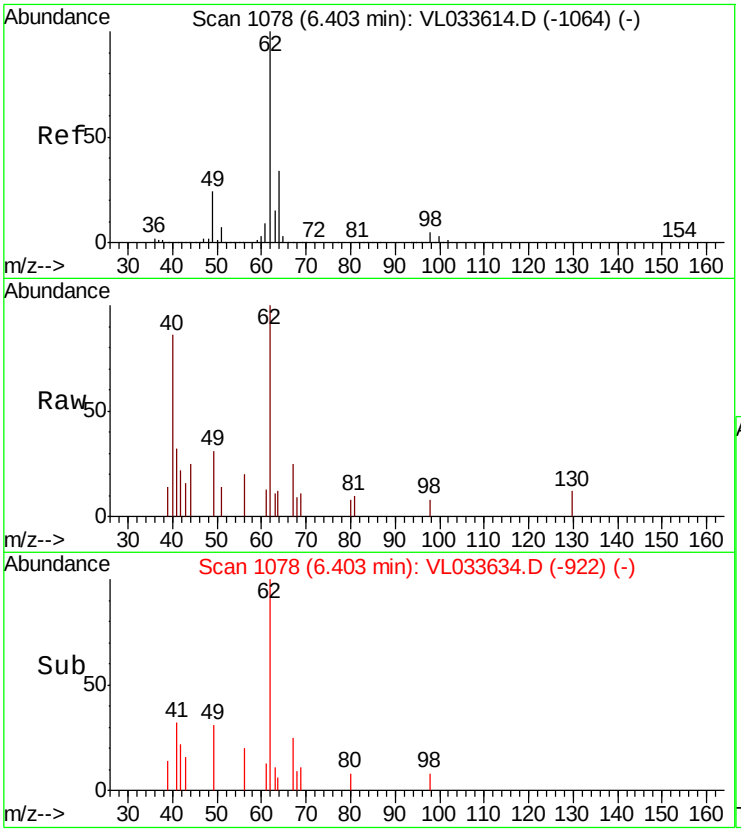


#36
Benzene
Concen: 0.053 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 78 Resp: 9424

Ion	Ratio	Lower	Upper
78	100		
77	18.7	18.1	27.1
50	20.8	15.1	22.7



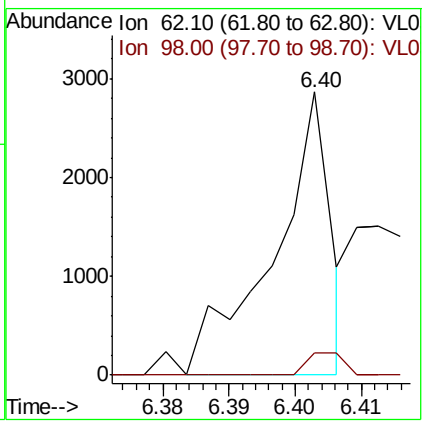


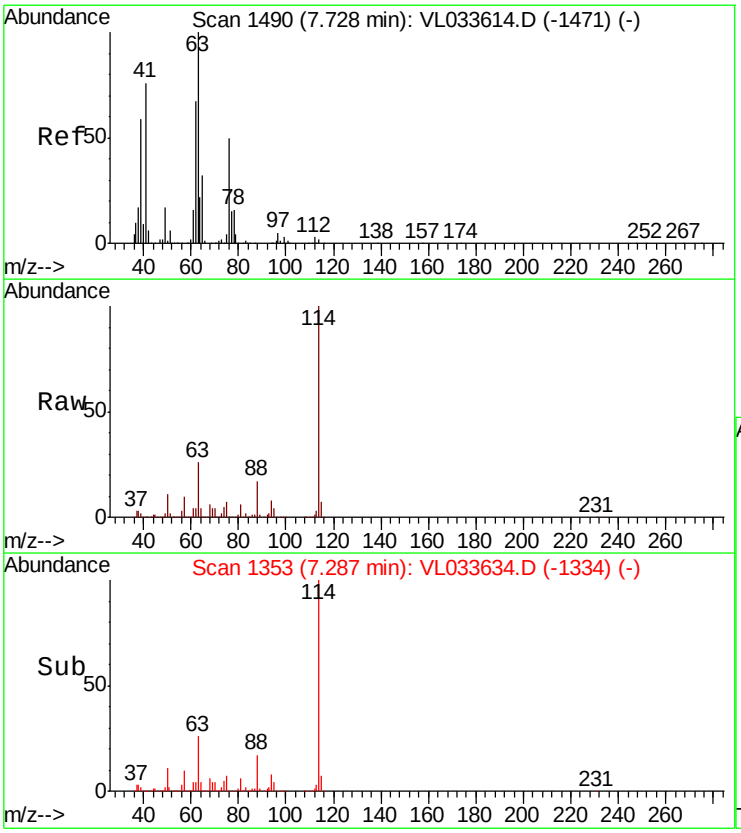
#37
1,2-Dichloroethane
Concen: 0.014 ppbv
RT: 6.40 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 62 Resp: 1700

Ion	Ratio	Lower	Upper
62	100		
98	5.1	4.4	6.6

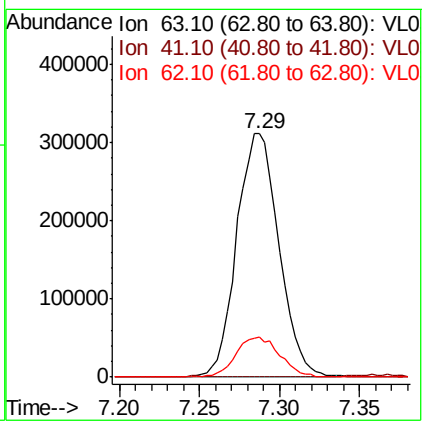


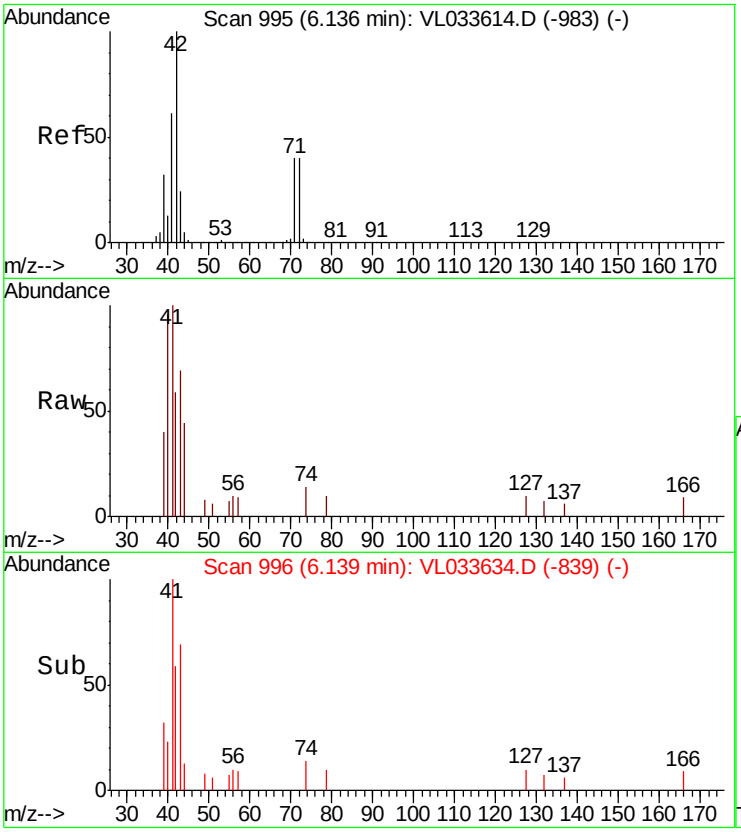


#39
1,2-Dichloropropane
Concen: 8.305 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.44 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 63 Resp: 559030

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.9	91.3#
62	16.4	53.3	79.9#



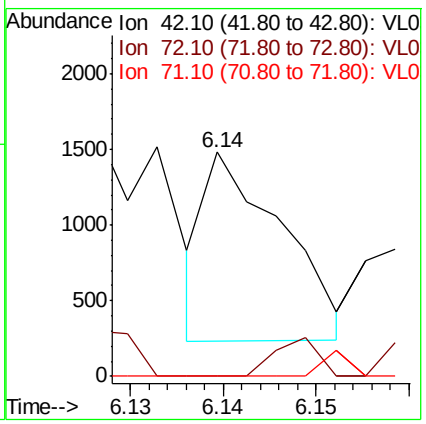


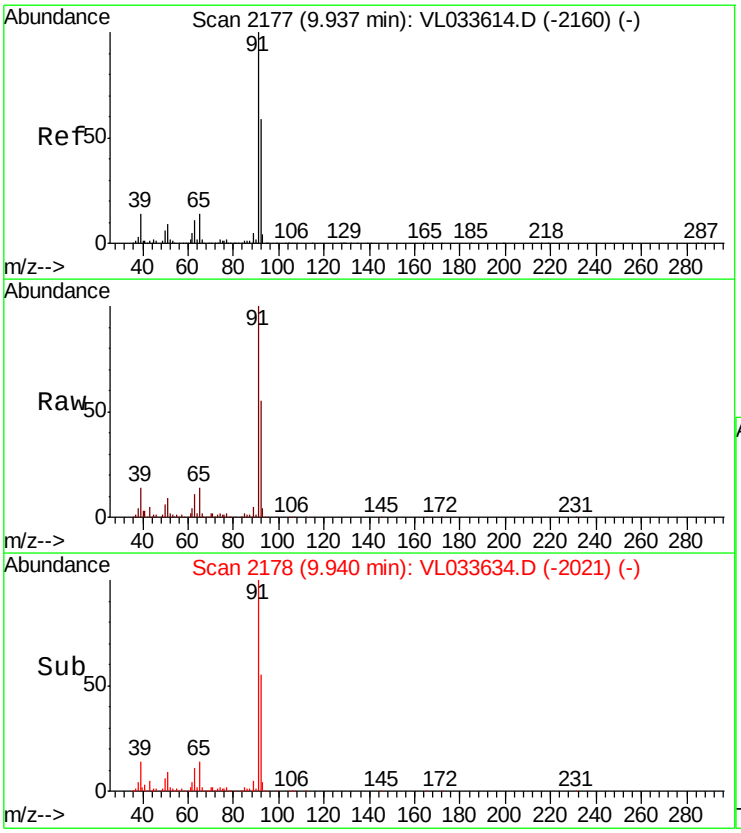
#41
Tetrahydrofuran
Concen: 0.011 ppbv
RT: 6.14 min Scan# 996
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 42 Resp: 726

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.6#
71	0.0	31.0	46.4#

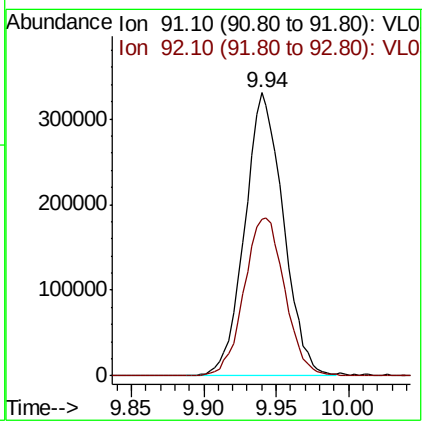


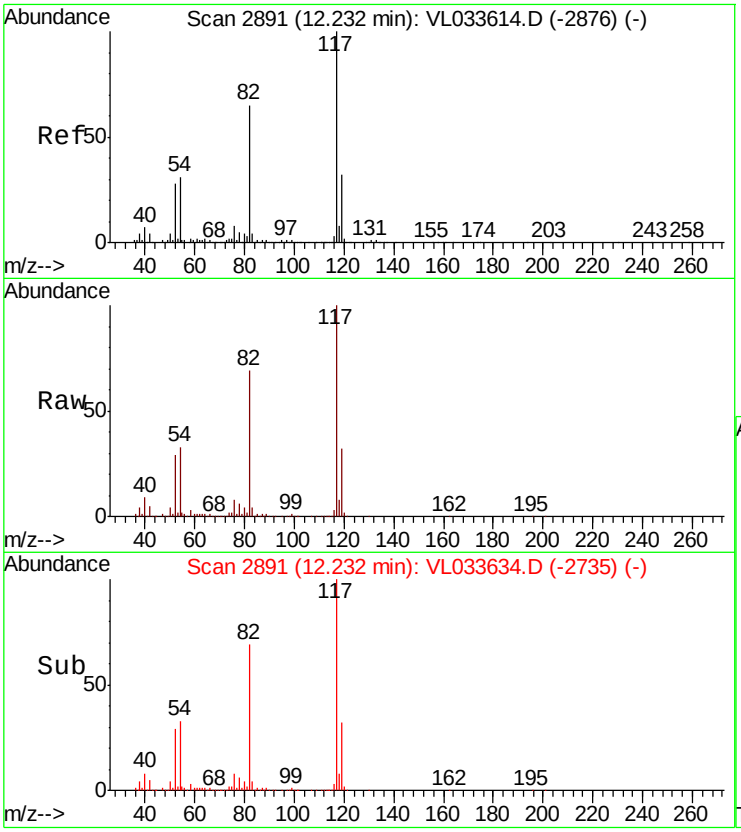


#53
Toluene
Concen: 2.717 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 91 Resp: 612091

Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.8	71.6



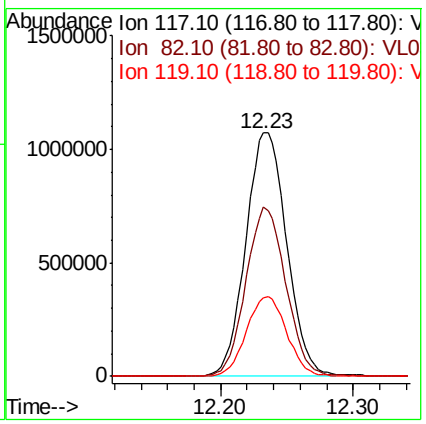


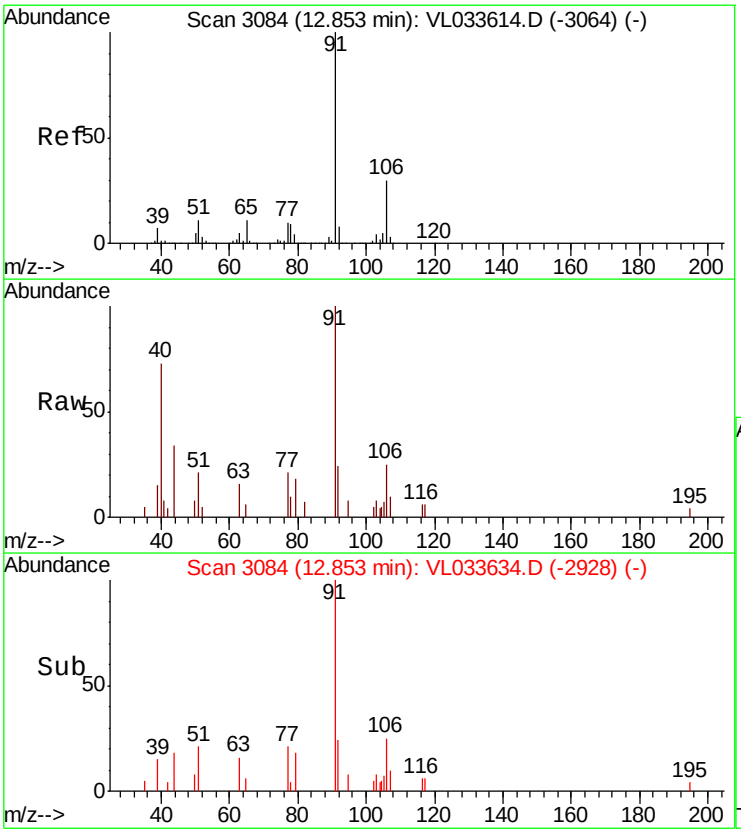
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion:117 Resp: 2306883

Ion	Ratio	Lower	Upper
117	100		
82	68.4	52.6	78.8
119	32.4	28.3	42.5

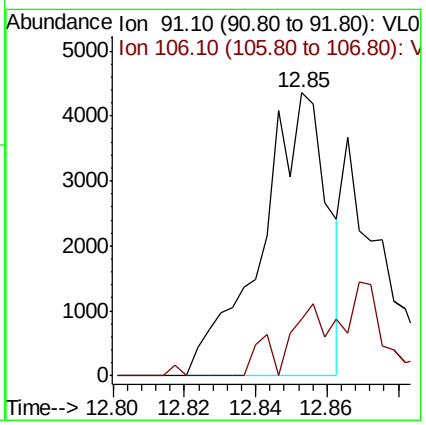


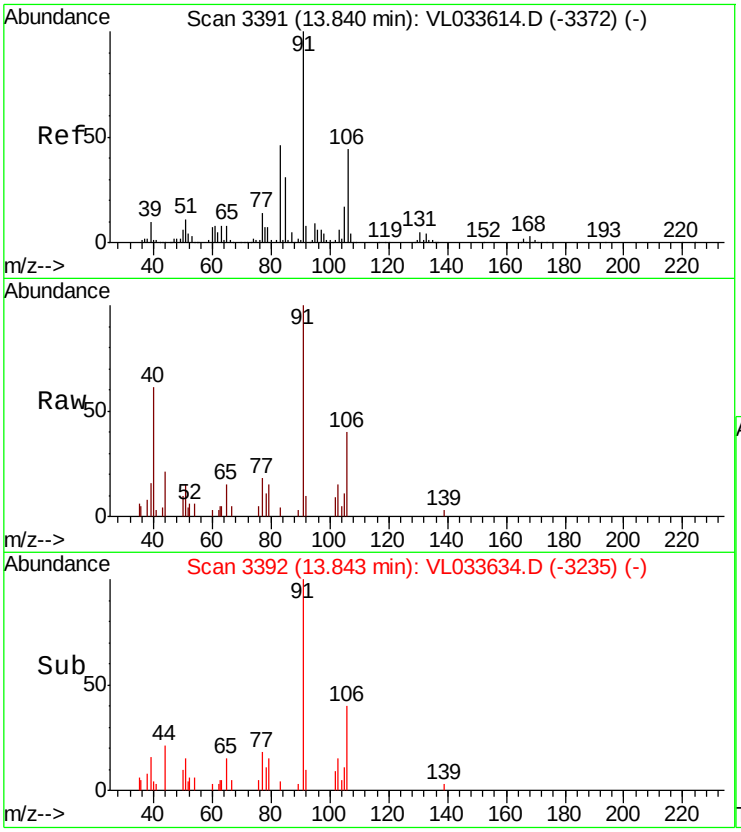


#58
Ethyl Benzene
Concen: 0.021 ppbv
RT: 12.85 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion: 91 Resp: 5591

Ion	Ratio	Lower	Upper
91	100		
106	19.9	23.6	35.4#



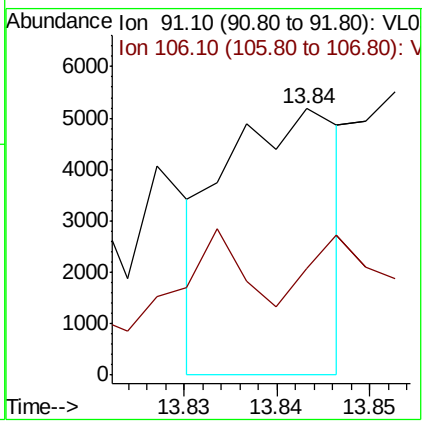


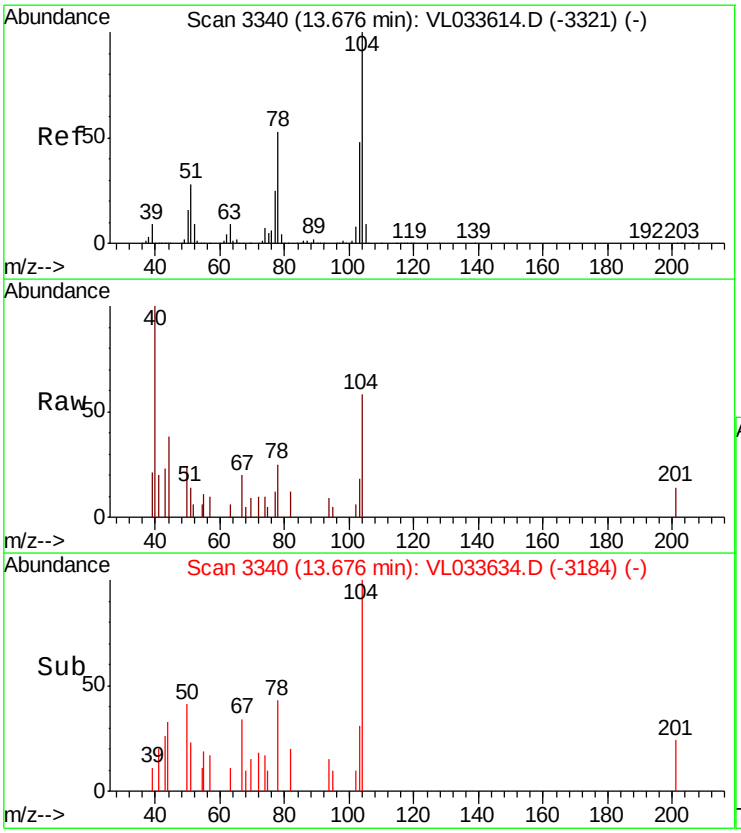
#60
o-Xylene
Concen: 0.019 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 91 Resp: 4453

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.8	65.4#

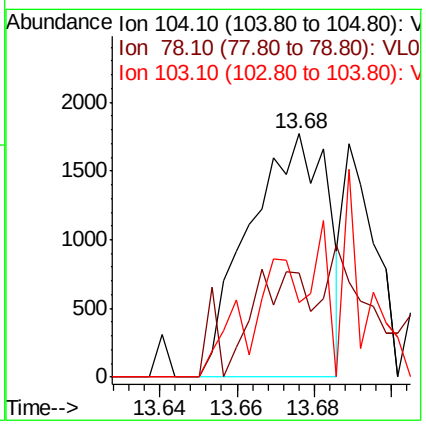


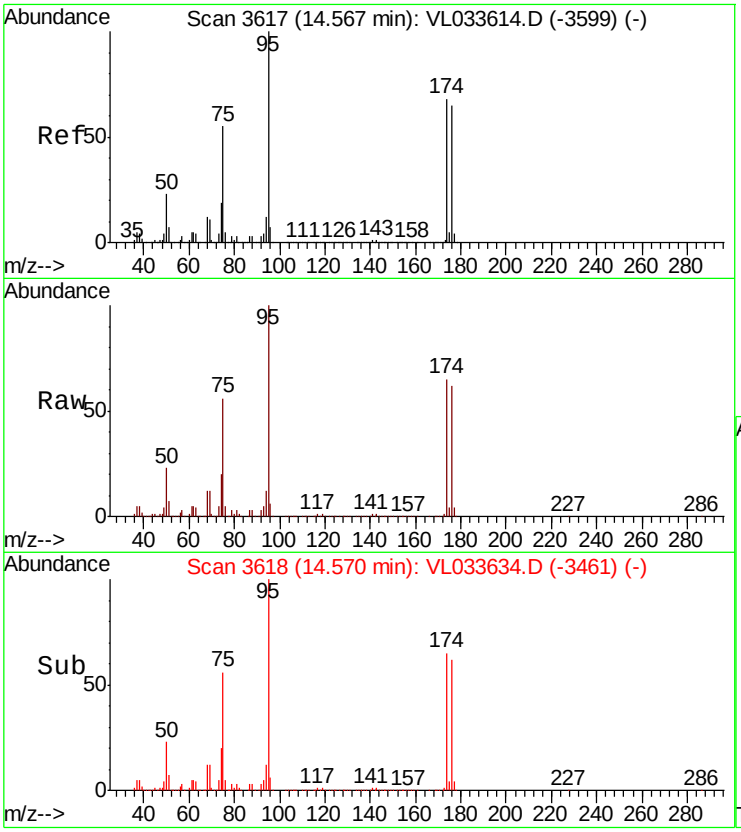


#61
Styrene
Concen: 0.016 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion:104 Resp: 2499

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.7	64.1#
103	0.0	37.8	56.6#



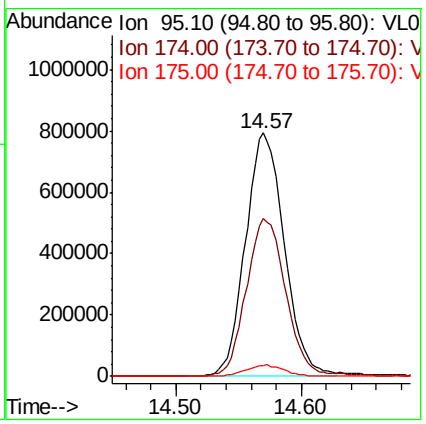


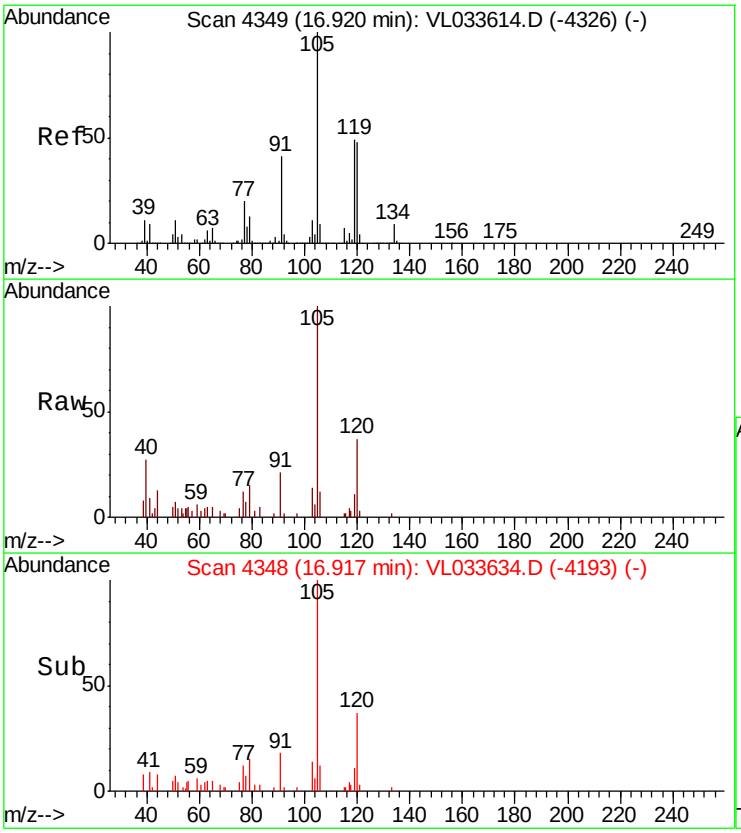
#68
1-Bromo-4-Fluorobenzene
Concen: 9.732 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument : MSVOA_L
ClientSampleId : A-5

Tgt Ion: 95 Resp: 1709129

Ion	Ratio	Lower	Upper
95	100		
174	66.7	53.9	80.9
175	4.6	4.0	6.0

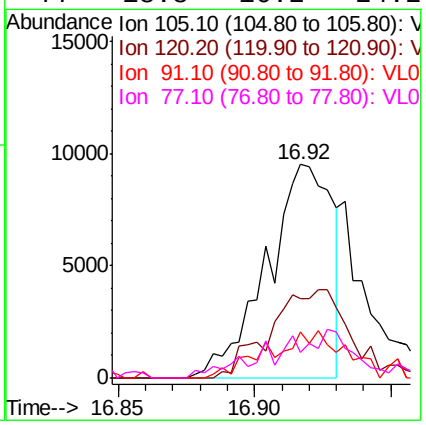


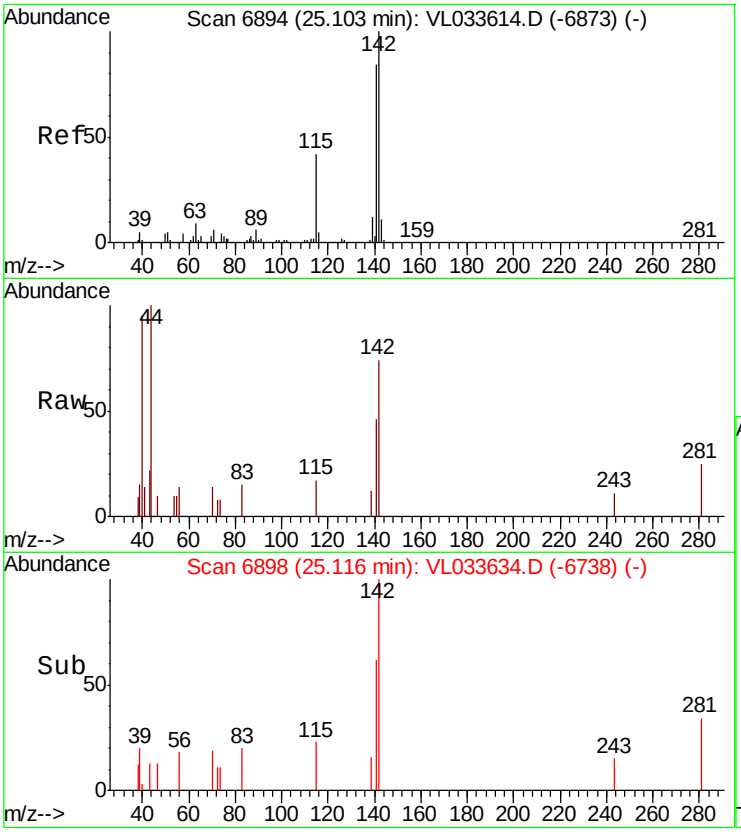


#74
1,2,4-Trimethylbenzene
Concen: 0.055 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.00 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Tgt Ion:105 Resp: 15863

Ion	Ratio	Lower	Upper
105	100		
120	39.8	38.4	57.6
91	21.3	33.0	49.4#
77	18.8	16.2	24.2





#80
Naphthalene,2-methyl-
Concen: 0.018 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL033634.D
Acq: 2 May 2019 19:05

Instrument :
MSVOA_L
ClientSampleId :
A-5

Tgt Ion:142 Resp: 2110

Ion	Ratio	Lower	Upper
142	100		
141	71.4	67.3	100.9
115	42.6	33.8	50.8