Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033467.D
Acq On : 27 Mar 2019 14:08
Operator : SY/AP
Sample : K1560-15 0.4 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 28 07:27:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	830676	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	1933659	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	1870465	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1481264	10.10	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	65404	0.540	ppbv		97
3) Chlorodifluoromethane	3.01	51	41585	0.435	ppbv		96
4) Chloromethane	3.16	50	9718	0.192	ppbv		98
5) Vinyl Chloride	3.29	62	21199	0.426	ppbv		95
6) Bromomethane	3.52	94	13545	0.424	ppbv		98
7) Chloroethane	3.60	64	7549	0.408	ppbv	#	82
8) Dichlorotetrafluoroethane	3.22	85	56899	0.441	ppbv		99
9) Propene	3.04	41	16637	0.414	ppbv		98
10) Heptane	8.24	43	35742	0.333	ppbv		100
11) Trichlorofluoromethane	4.00	101	61822	0.414	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	44832	0.447	ppbv		97
13) Ethanol	3.66	45	3347	0.322	ppbv	#	18
14) Bromoethene	3.79	108	15692	0.392	ppbv		95
15) Acetone	3.91	43	41989	0.420	ppbv		92
16) 1,3-Butadiene	3.36	39	14021	0.354	ppbv	#	71
17) tert-Butyl alcohol	4.38	59	7398	0.403	ppbv		100
18) 1,1-Dichloroethene	4.35	96	19335	0.449	ppbv		88
19) Isopropyl Alcohol	4.04	45	29775	0.471	ppbv	#	94
20) Methylene Chloride	4.41	84	21688	0.512	ppbv		91
21) Allyl Chloride	4.47	41	16436	0.260	ppbv	#	18
22) trans-1,2-Dichloroethene	4.96	96	18825	0.419	ppbv		86
23) Vinyl Acetate	5.16	43	50035	0.352	ppbv	#	97
24) 1,1-Dichloroethane	5.08	63	45048	0.417	ppbv		98
25) Ethyl Acetate	5.77	43	74541	0.402	ppbv		97
26) Hexane	5.77	57	33226	0.403	ppbv		95
27) Carbon Disulfide	4.62	76	15034	0.153	ppbv	#	16
28) Methyl tert-Butyl Ether	5.12	73	43789	0.369	ppbv		96
29) Chloroform	5.84	83	59551	0.422	ppbv		98
30) Cyclohexane	7.24	84	12057	0.185	ppbv	#	1
31) cis-1,2-Dichloroethene	5.64	61	31238	0.381	ppbv		88
32) 1,1,1-Trichloroethane	6.61	97	54841	0.408	ppbv		98
34) 2-Butanone	5.34	43	45363	0.390	ppbv		98
35) Carbon Tetrachloride	7.13	117	56235	0.411	ppbv		91
36) Benzene	7.00	78	61456	0.379	ppbv	#	93
37) 1,2-Dichloroethane	6.41	62	44379	0.408	ppbv	#	96
38) Trichloroethene	7.95	130	19237	0.315	ppbv	#	71
39) 1,2-Dichloropropane	7.73	63	24974	0.393	ppbv	#	88
40) 1,4-Dioxane	7.98	88	1231	0.054	ppbv	#	1
42) Bromodichloromethane	7.91	83	54278	0.366	ppbv	#	96
43) Methyl Methacrylate	8.12	69	6284	0.095	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.99	57	100700	0.355	ppbv		92

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033467.D
Acq On : 27 Mar 2019 14:08
Operator : SY/AP
Sample : K1560-15 0.4 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 28 07:27:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.41	75	17195	0.213	ppbv		96
46) cis-1,3-Dichloropropene	8.83	75	27803	0.294	ppbv		95
47) 1,1,2-Trichloroethane	9.61	97	16032	0.222	ppbv		96
48) Dibromochloromethane	10.44	129	41074	0.337	ppbv		98
49) Bromoform	13.19	173	33273	0.286	ppbv		96
50) 4-Methyl-2-Pentanone	8.88	43	38679	0.227	ppbv	#	76
51) 2-Hexanone	10.28	43	18623	0.147	ppbv	#	29
52) Tetrachloroethene	11.37	164	7680	0.125	ppbv		86
53) Toluene	9.94	91	59091	0.313	ppbv		99
54) 1,2-Dibromoethane	10.76	107	40367	0.358	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	35622	0.416	ppbv	#	1
57) Chlorobenzene	12.30	112	64650	0.445	ppbv	#	91
58) Ethyl Benzene	12.86	91	83436	0.334	ppbv		94
59) m/p-Xylene	13.15	91	61393	0.275	ppbv	#	100
60) o-Xylene	13.84	91	76341	0.354	ppbv		99
61) Styrene	13.68	104	24043	0.162	ppbv	#	34
62) Isopropylbenzene	14.82	105	114089	0.373	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.82	83	30051	0.189	ppbv	#	24
64) n-propylbenzene	15.71	120	25004	0.323	ppbv		75
65) tert-Butylbenzene	16.90	119	58228	0.216	ppbv	#	17
66) Benzyl Chloride	17.14	91	6500	0.052	ppbv	#	67
67) sec-Butylbenzene	17.45	105	132027	0.345	ppbv		99
69) p-Isopropyltoluene	17.81	119	53760	0.172	ppbv	#	51
70) n-Butylbenzene	18.71	91	107458	0.325	ppbv		97
71) 2-Chlorotoluene	15.61	91	38677	0.166	ppbv	#	34
72) 4-Ethyltoluene	15.99	105	76567	0.316	ppbv	#	96
73) 1,3,5-Trimethylbenzene	16.15	105	42926	0.185	ppbv		90
74) 1,2,4-Trimethylbenzene	16.92	105	84621	0.340	ppbv		94
75) 1,3-Dichlorobenzene	17.16	146	55961	0.364	ppbv		89
76) 1,4-Dichlorobenzene	17.30	146	53504	0.357	ppbv		91
77) 1,2-Dichlorobenzene	17.98	146	55294	0.379	ppbv		95
78) Hexachloro-1,3-Butadiene	23.53	225	20428	0.212	ppbv	#	19
79) Naphthalene	22.41	128	27808	0.131	ppbv		95
80) Naphthalene,2-methyl-	25.12	142	10187	0.143	ppbv		96
81) 1,2,4-Trichlorobenzene	22.13	180	2409	0.020	ppbv	#	1

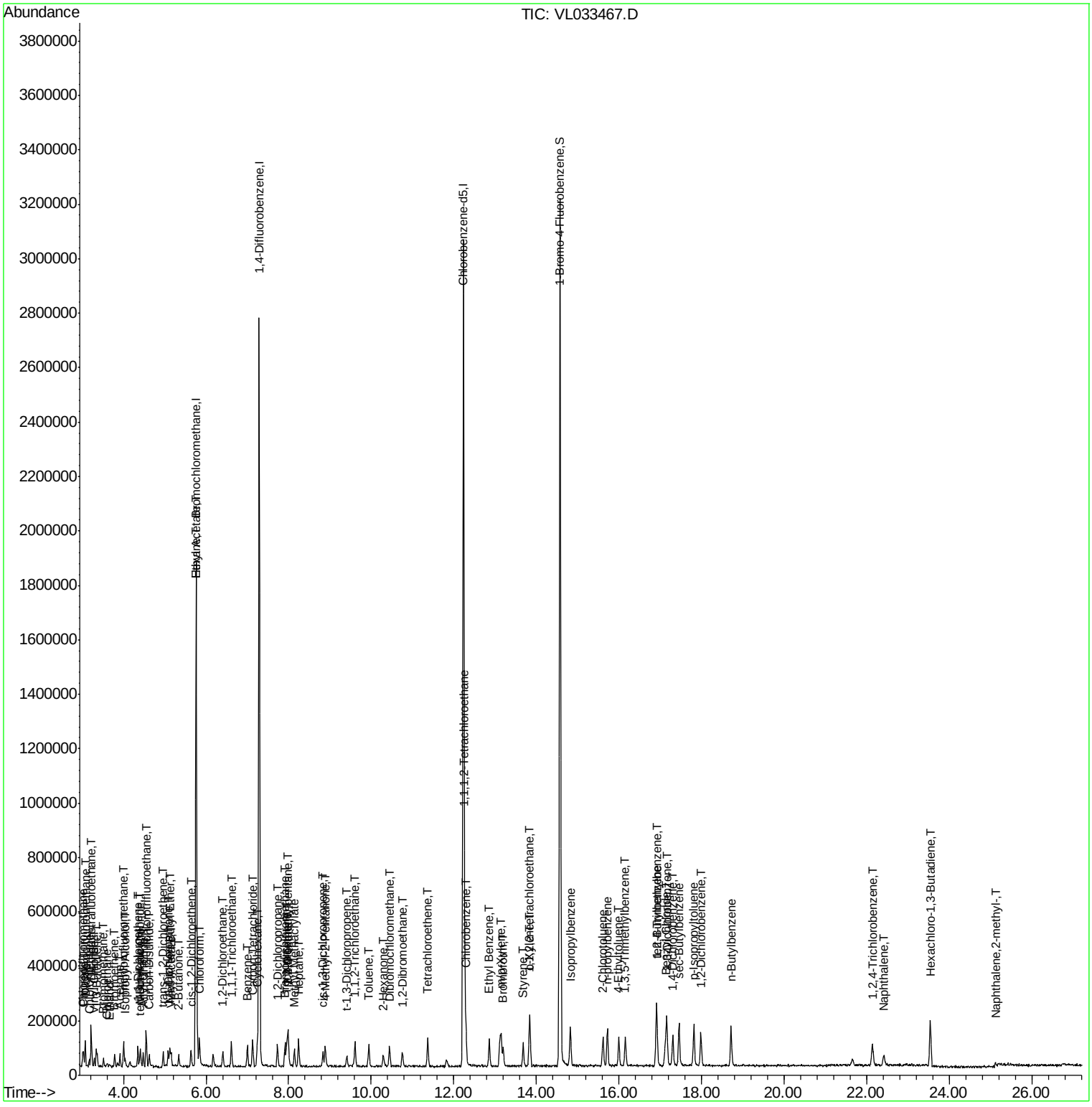
(#) = qualifier out of range (m) = manual integration (+) = signals summed

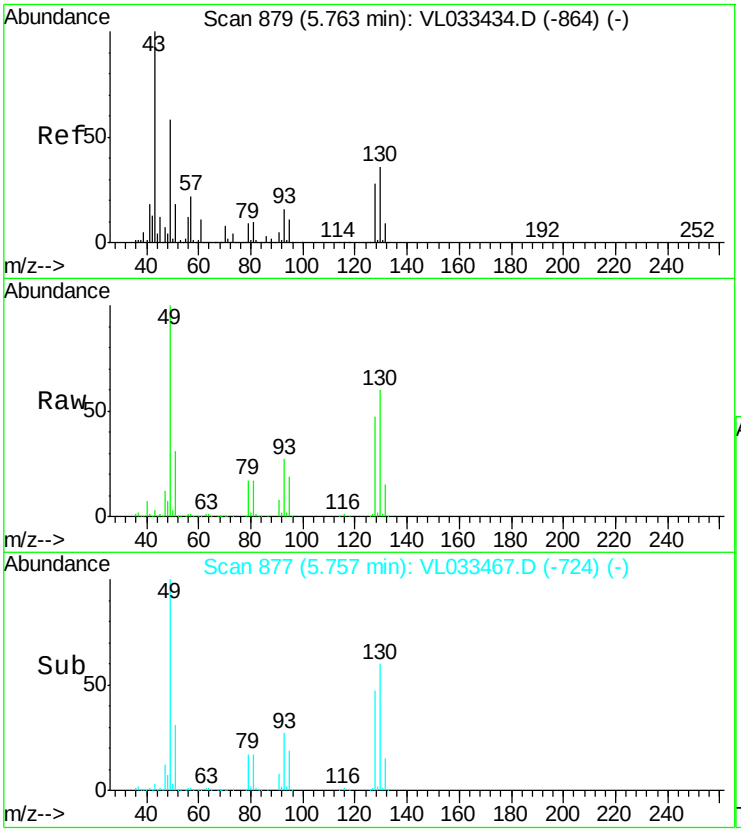
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032719\
Data File : VL033467.D
Acq On : 27 Mar 2019 14:08
Operator : SY/AP
Sample : K1560-15 0.4 PPB
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 28 07:27:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



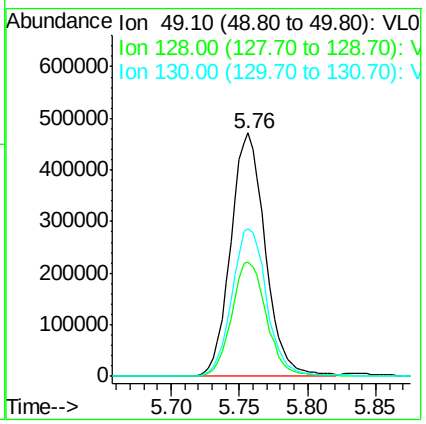


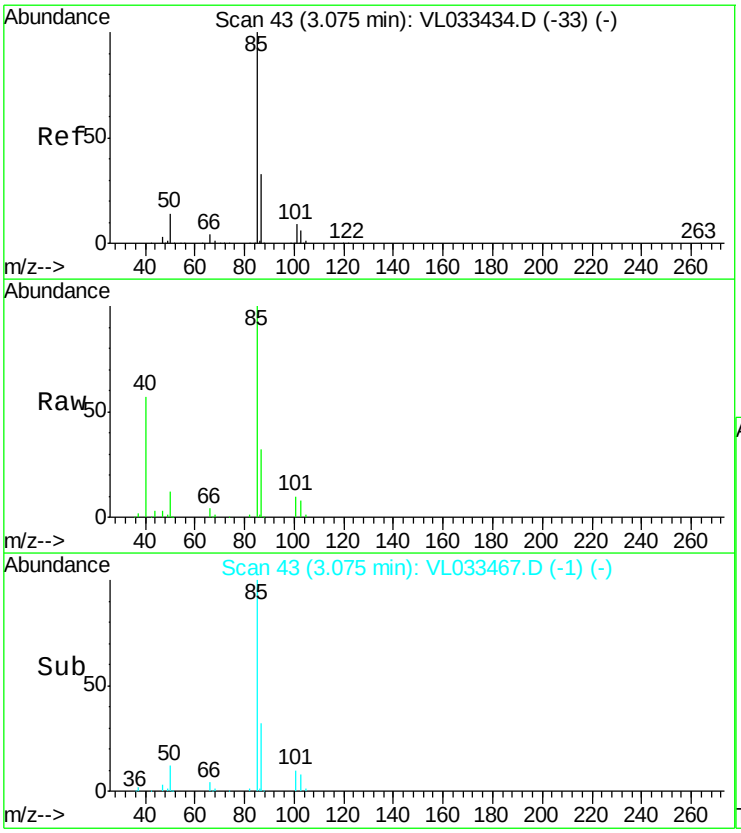
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 830676

Ion	Ratio	Lower	Upper
49	100		
128	47.6	24.0	72.0
130	61.5	31.2	93.6

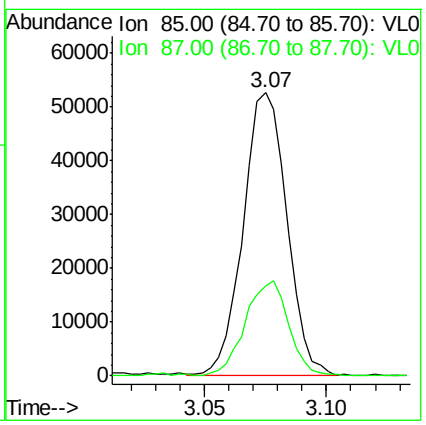


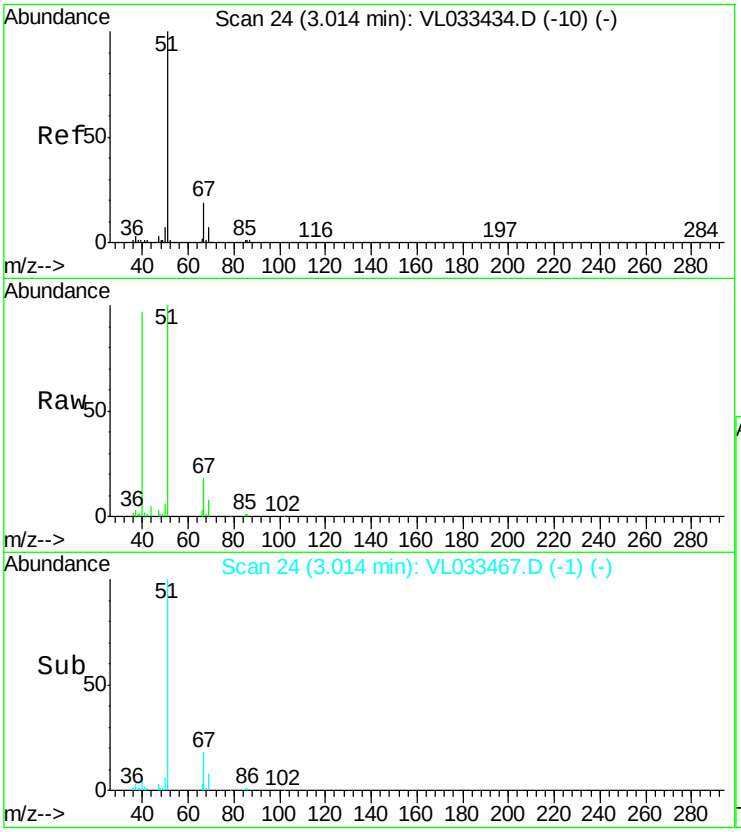


#2
Dichlorodifluoromethane
Concen: 0.540 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 85 Resp: 65404

Ion	Ratio	Lower	Upper
85	100		
87	31.4	26.7	40.1



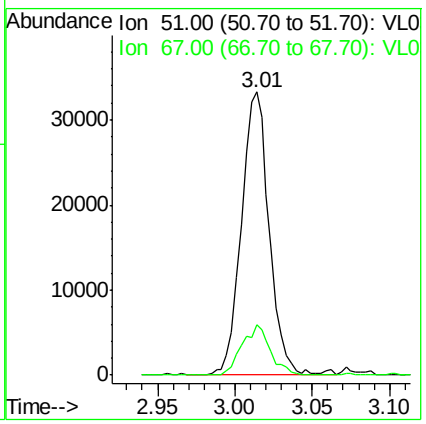


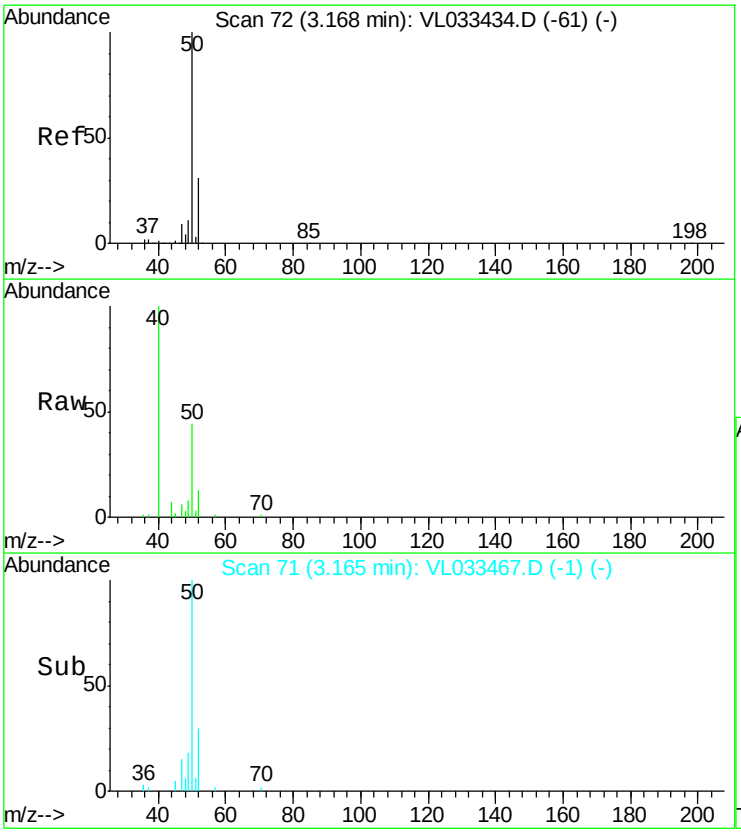
#3
Chlorodifluoromethane
Concen: 0.435 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 41585

Ion	Ratio	Lower	Upper
51	100		
67	17.9	15.7	23.5

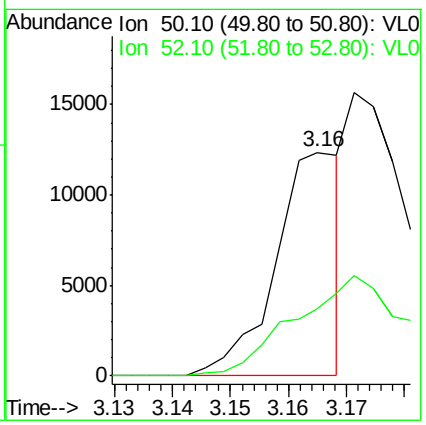


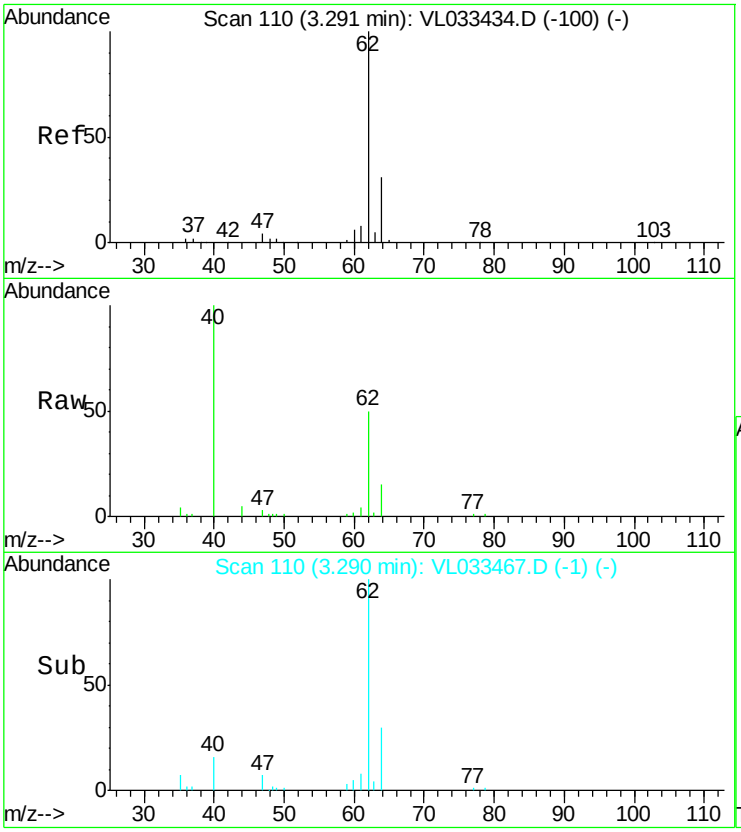


#4
Chloromethane
Concen: 0.192 ppbv
RT: 3.16 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 50 Resp: 9718

Ion	Ratio	Lower	Upper
50	100		
52	30.1	25.0	37.6



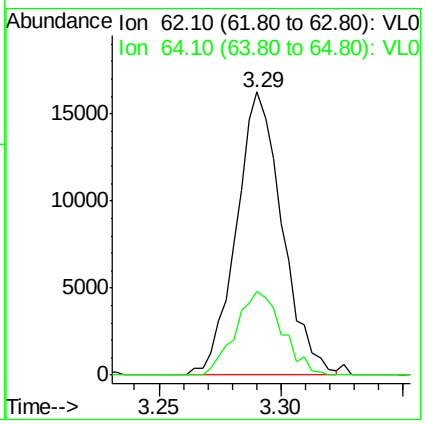


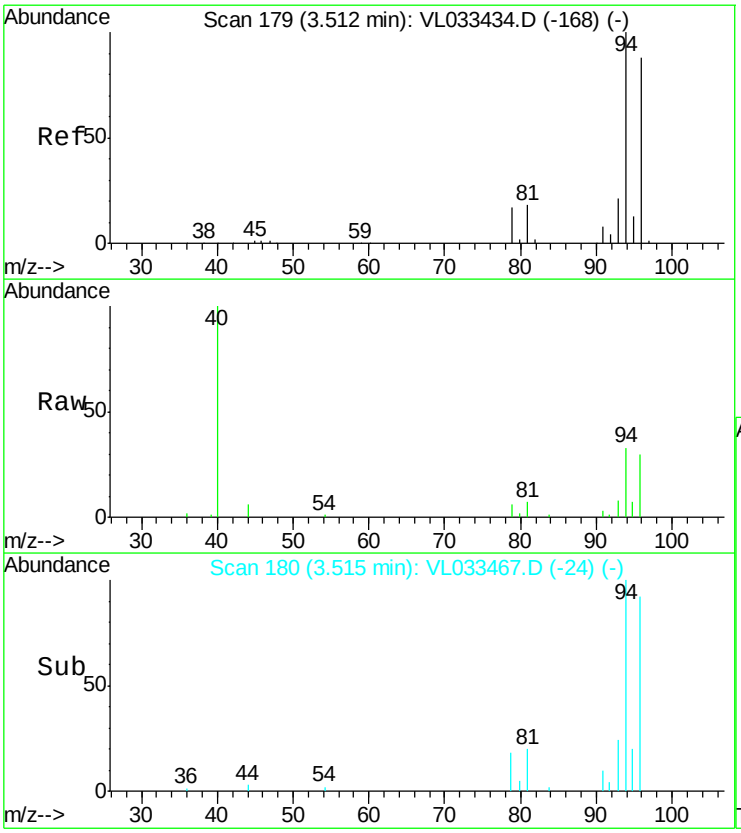
#5
Vinyl Chloride
Concen: 0.426 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 21199

Ion	Ratio	Lower	Upper
62	100		
64	28.6	24.9	37.3

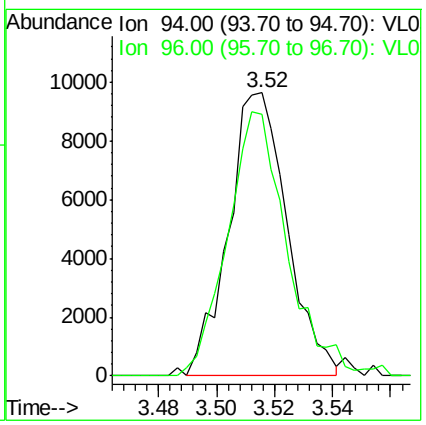


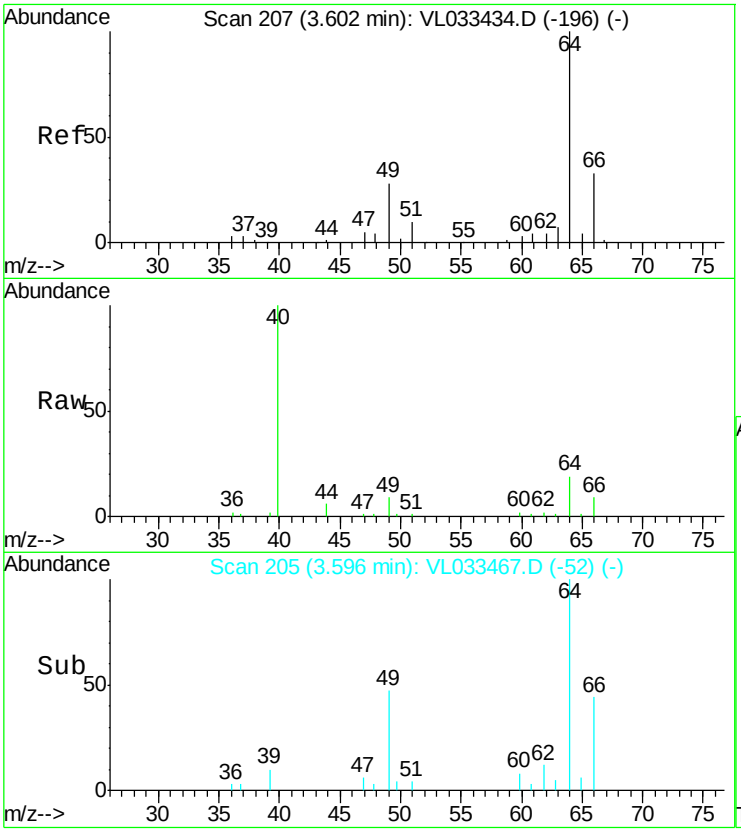


#6
Bromomethane
Concen: 0.424 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 94 Resp: 13545

Ion	Ratio	Lower	Upper
94	100		
96	89.4	70.2	105.2



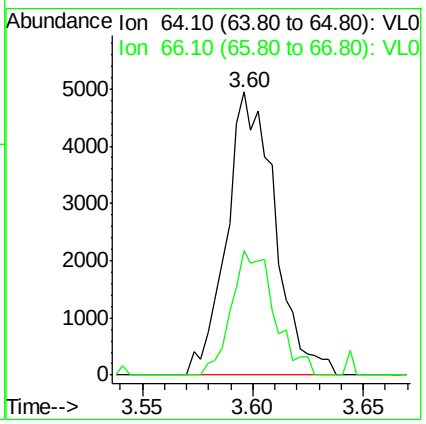


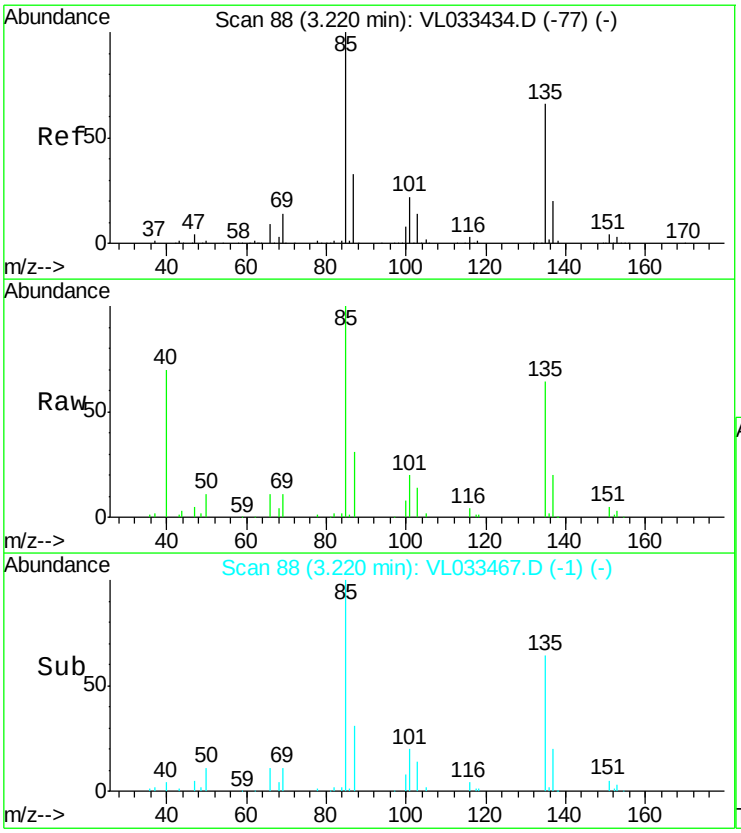
#7
Chloroethane
Concen: 0.408 ppbv
RT: 3.60 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 7549

Ion	Ratio	Lower	Upper
64	100		
66	43.9	26.7	40.1#

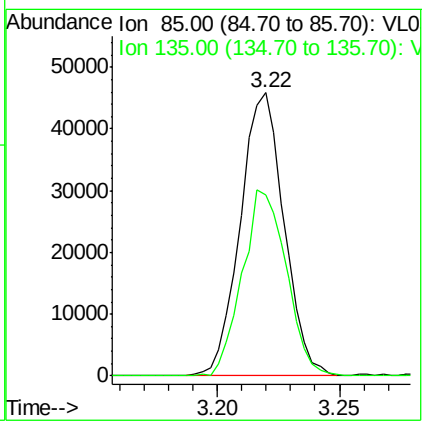


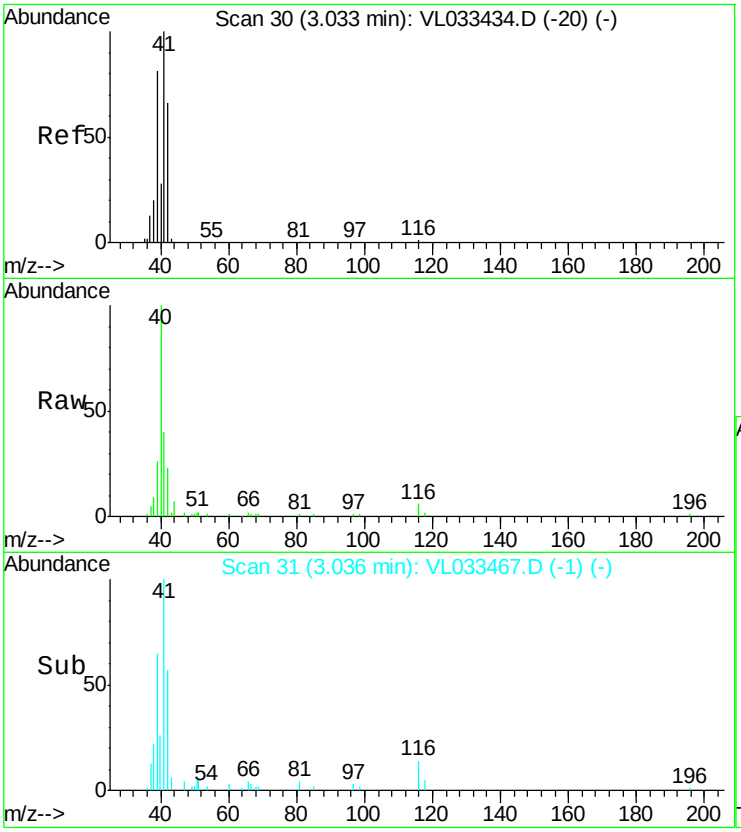


#8
Dichlorotetrafluoroethane
Concen: 0.441 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 85 Resp: 56899

Ion	Ratio	Lower	Upper
85	100		
135	66.3	54.0	81.0



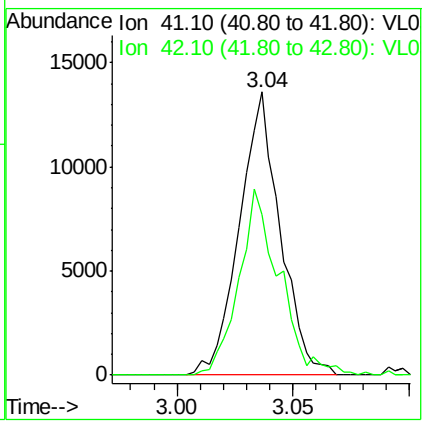


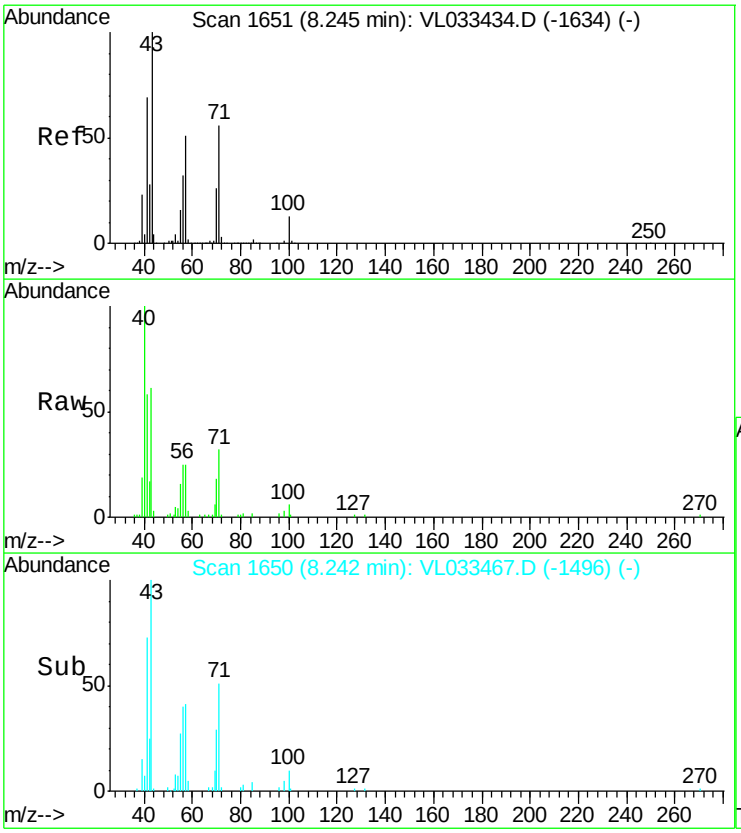
#9
Propene
Concen: 0.414 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 16637

Ion	Ratio	Lower	Upper
41	100		
42	65.6	53.9	80.9

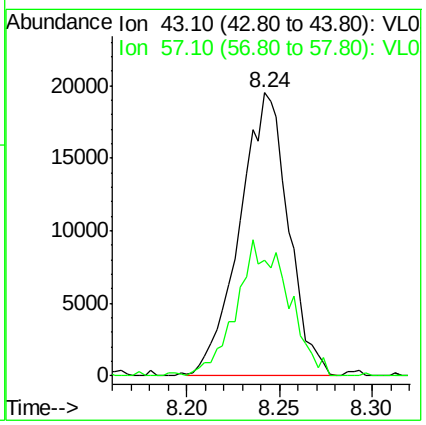


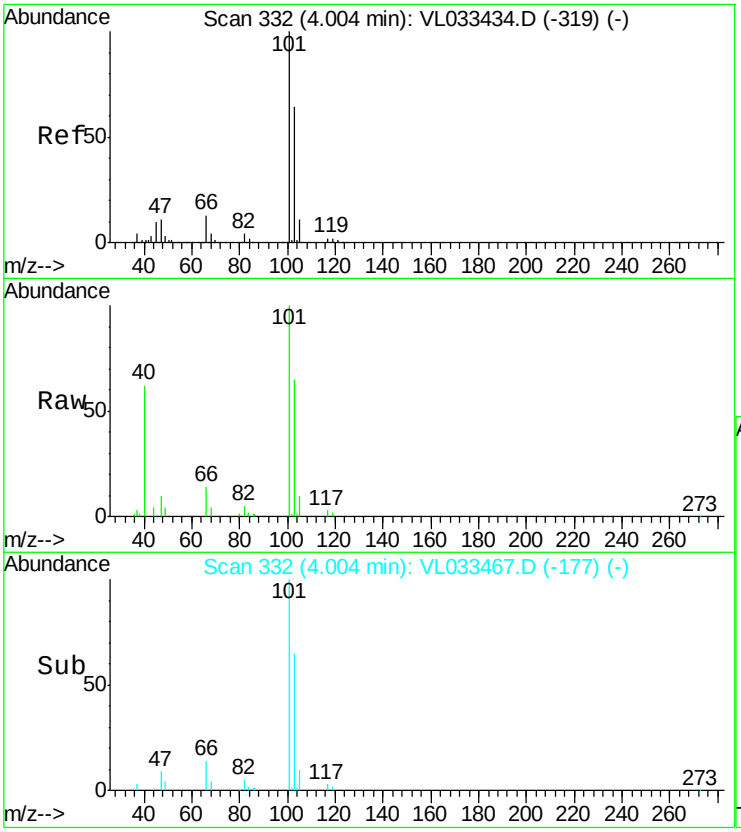


#10
Heptane
Concen: 0.333 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 43 Resp: 35742

Ion	Ratio	Lower	Upper
43	100		
57	50.8	40.6	60.8



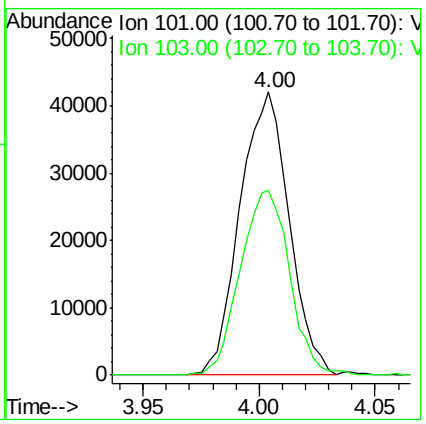


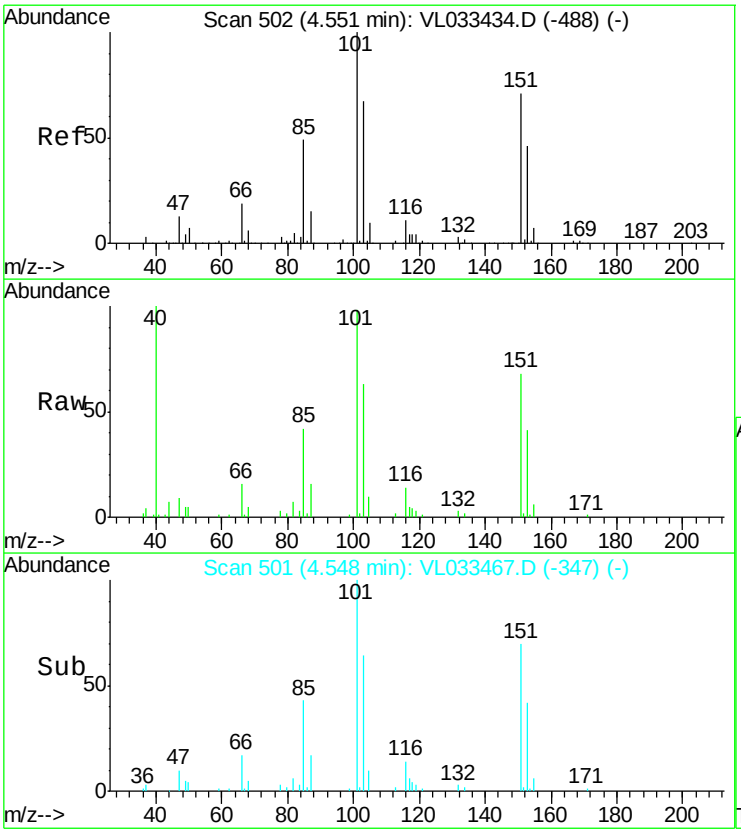
#11
Trichlorofluoromethane
Concen: 0.414 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 61822

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.3	76.9

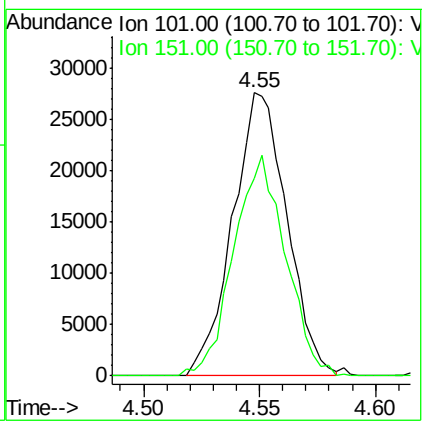


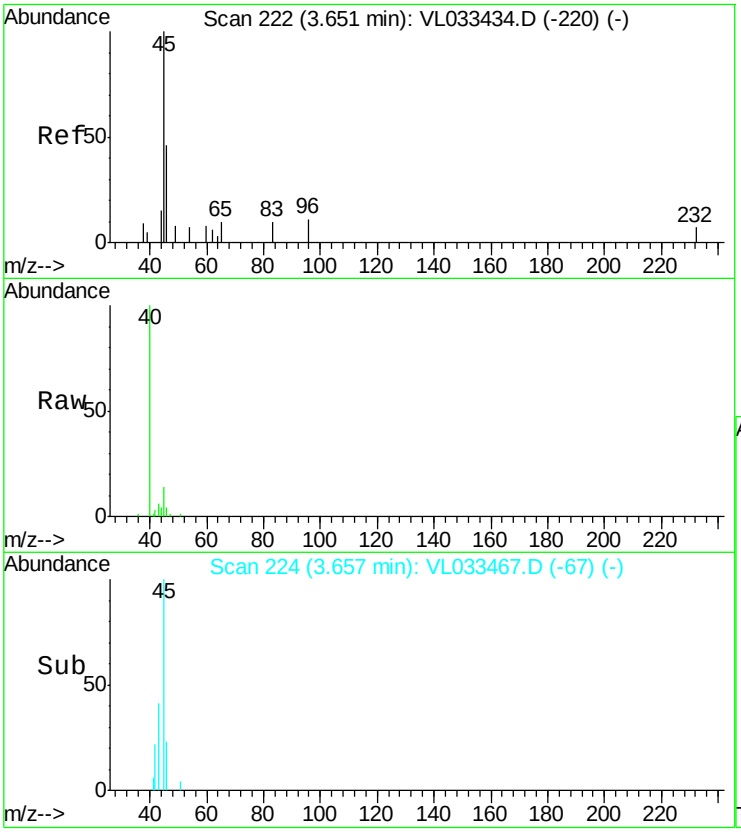


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.447 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:101 Resp: 44832

Ion	Ratio	Lower	Upper
101	100		
151	74.6	57.7	86.5



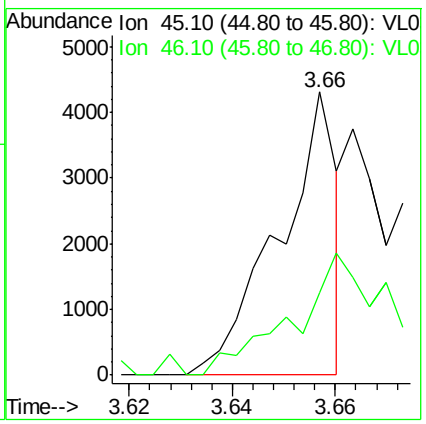


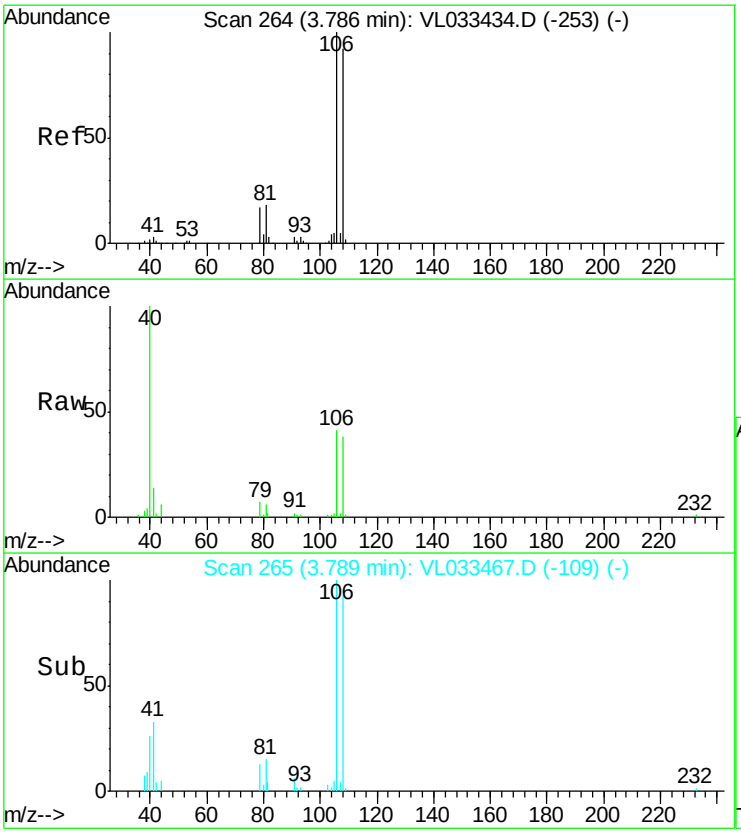
#13
Ethanol
Concen: 0.322 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 3347

Ion	Ratio	Lower	Upper
45	100		
46	0.0	25.4	101.8#

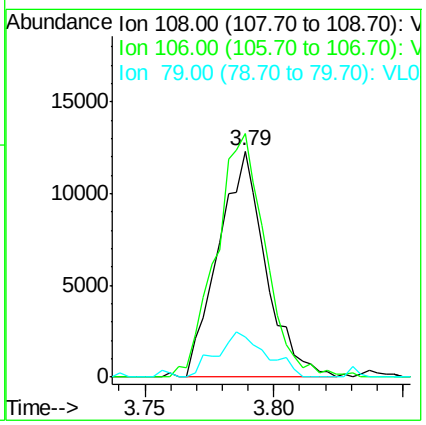


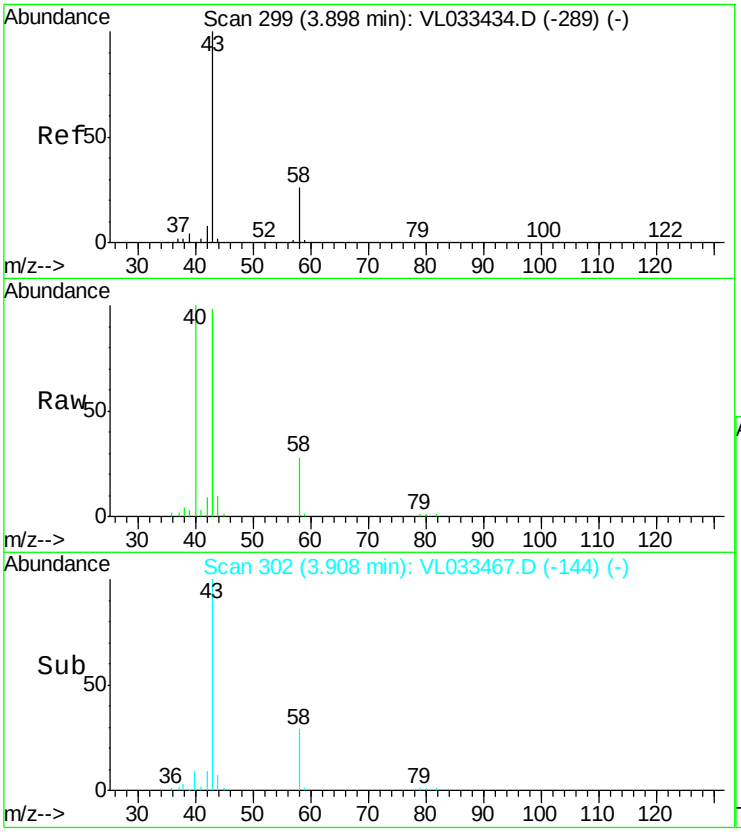


#14
Bromoethene
Concen: 0.392 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:108 Resp: 15692

Ion	Ratio	Lower	Upper
108	100		
106	112.9	86.4	129.6
79	21.6	15.8	23.8



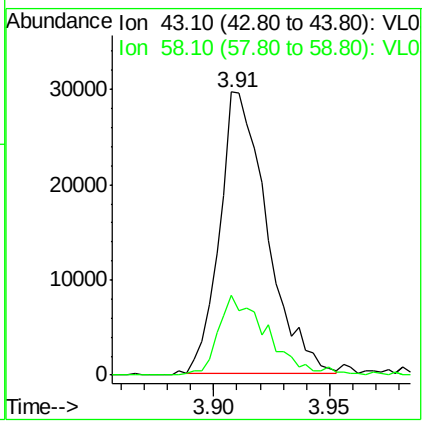


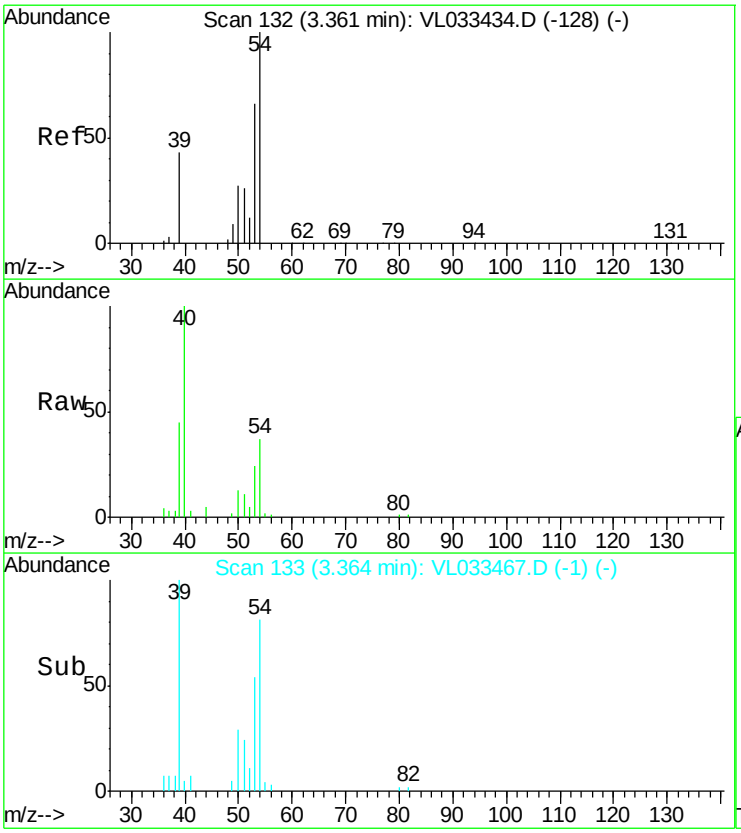
#15
Acetone
Concen: 0.420 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 41989

Ion	Ratio	Lower	Upper
43	100		
58	29.6	20.5	30.7

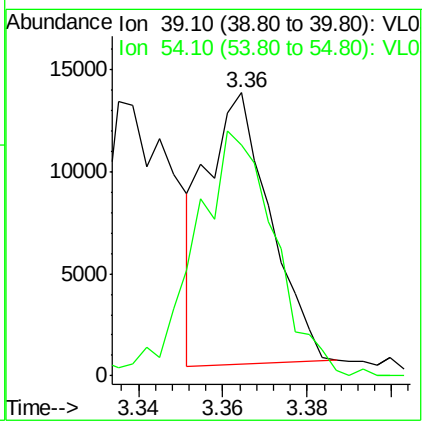


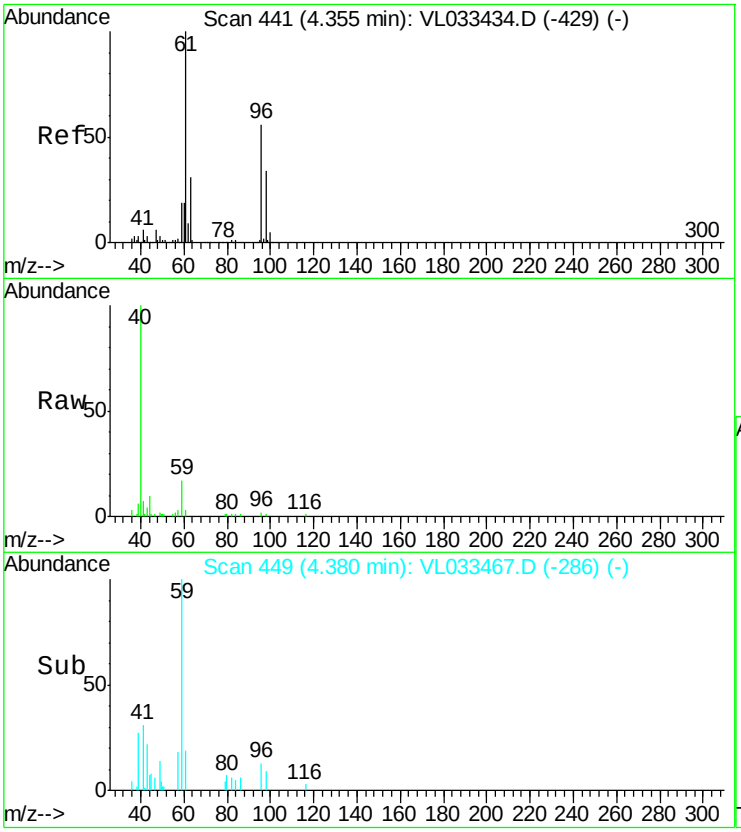


#16
1,3-Butadiene
Concen: 0.354 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 39 Resp: 14021

Ion	Ratio	Lower	Upper
39	100		
54	113.5	69.4	104.2#



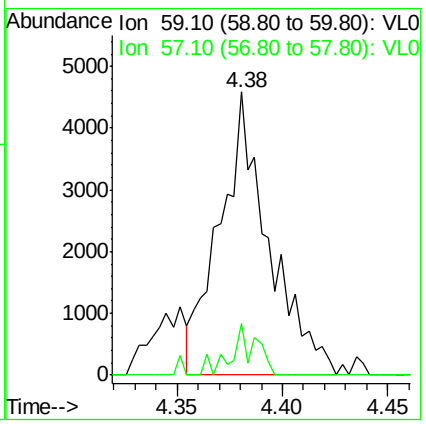


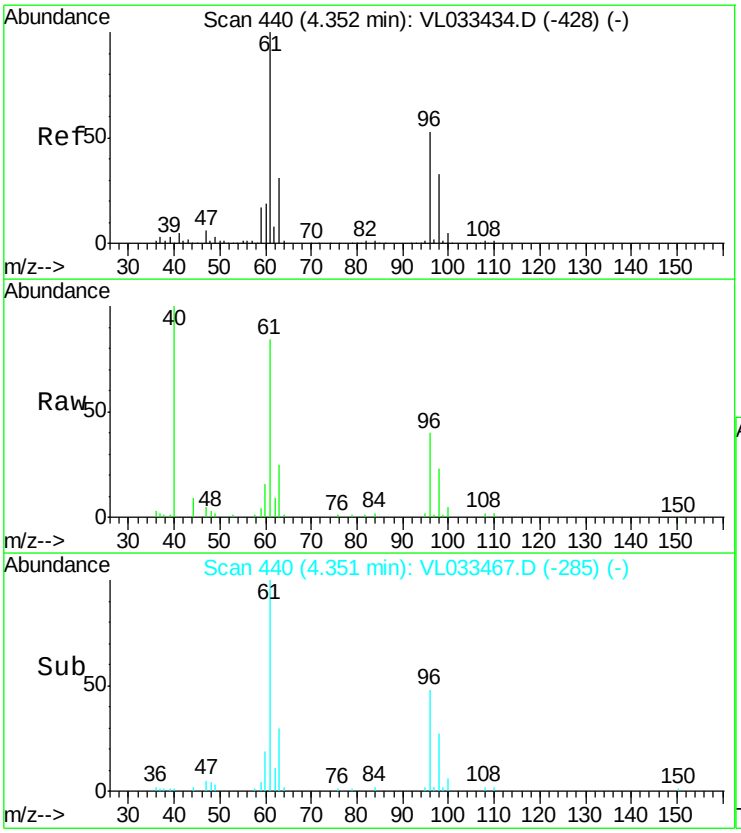
#17
tert-Butyl alcohol
Concen: 0.403 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.03 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 7398

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

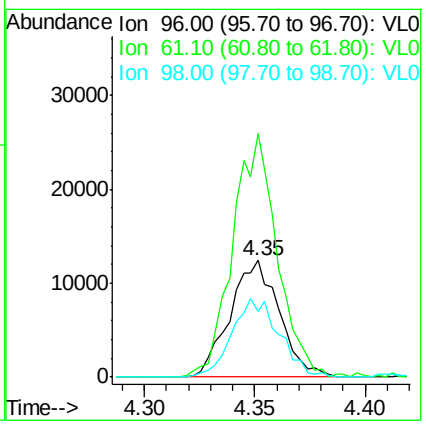


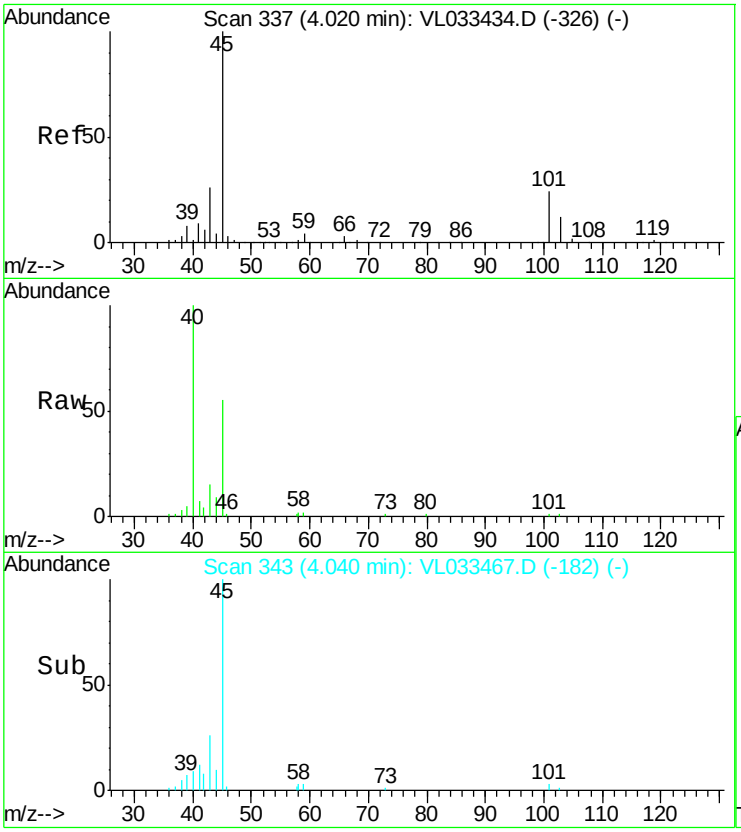


#18
1,1-Dichloroethene
Concen: 0.449 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 96 Resp: 19335

Ion	Ratio	Lower	Upper
96	100		
61	207.7	149.8	224.6
98	57.0	48.7	73.1

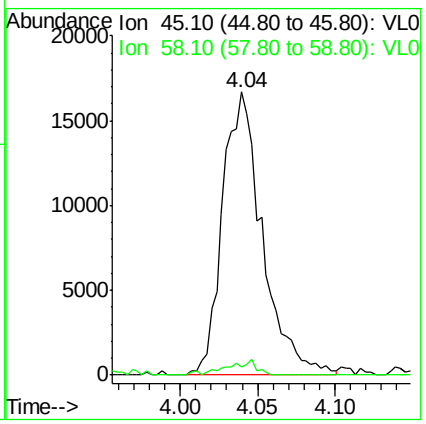




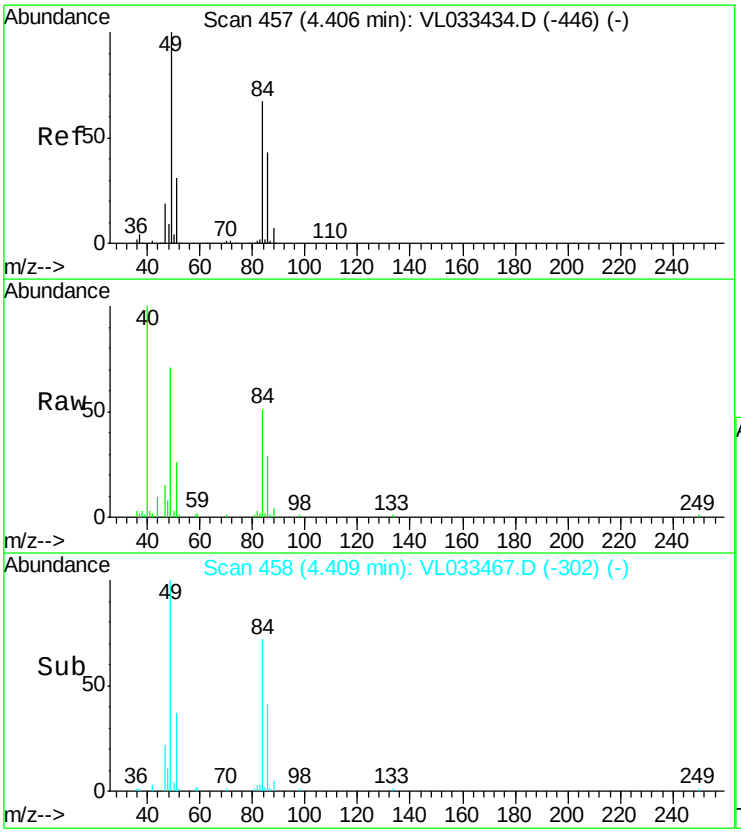
#19
Isopropyl Alcohol
Concen: 0.471 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 45 Resp: 29775

Ion	Ratio	Lower	Upper
45	100		
58	4.0	1.4	2.2#



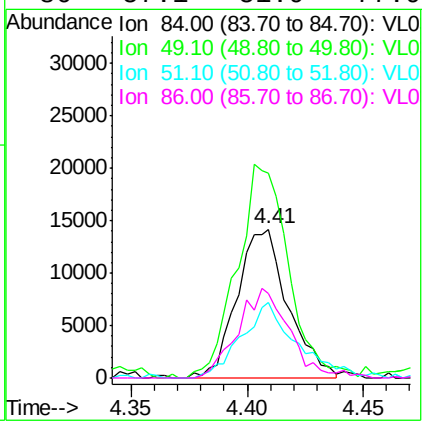
Instrument :
MSVOA_L
ClientSampleId :

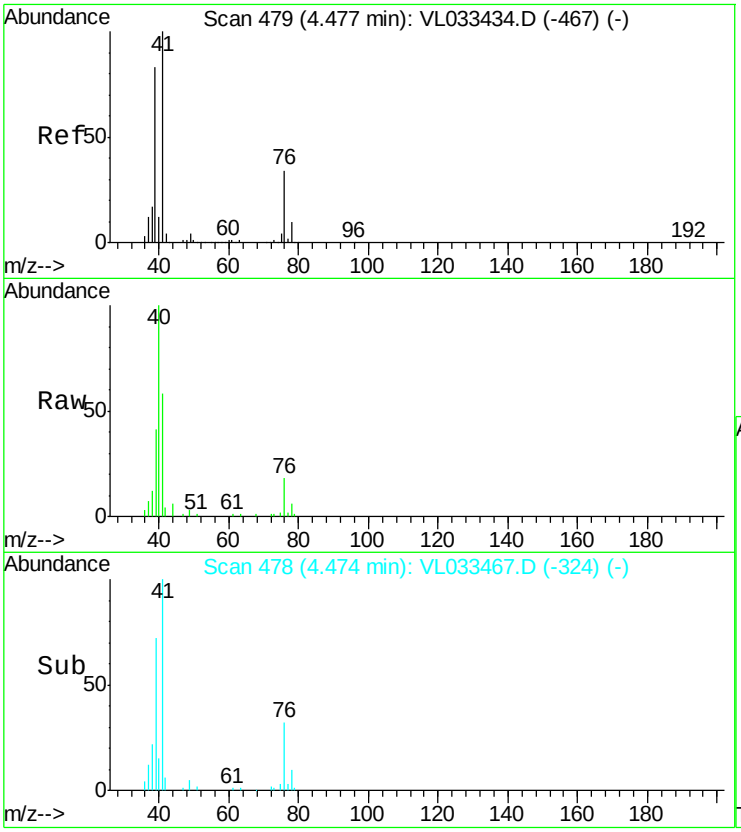


#20
Methylene Chloride
Concen: 0.512 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 84 Resp: 21688

Ion	Ratio	Lower	Upper
84	100		
49	137.9	120.0	180.0
51	51.0	36.7	55.1
86	57.1	51.9	77.9



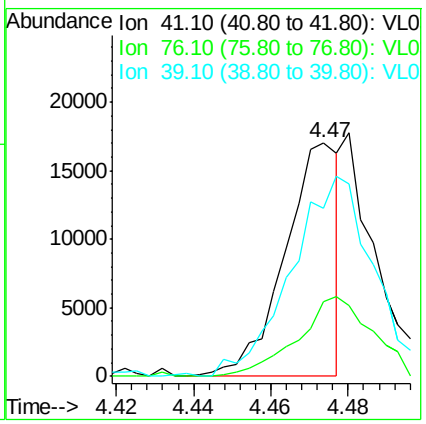


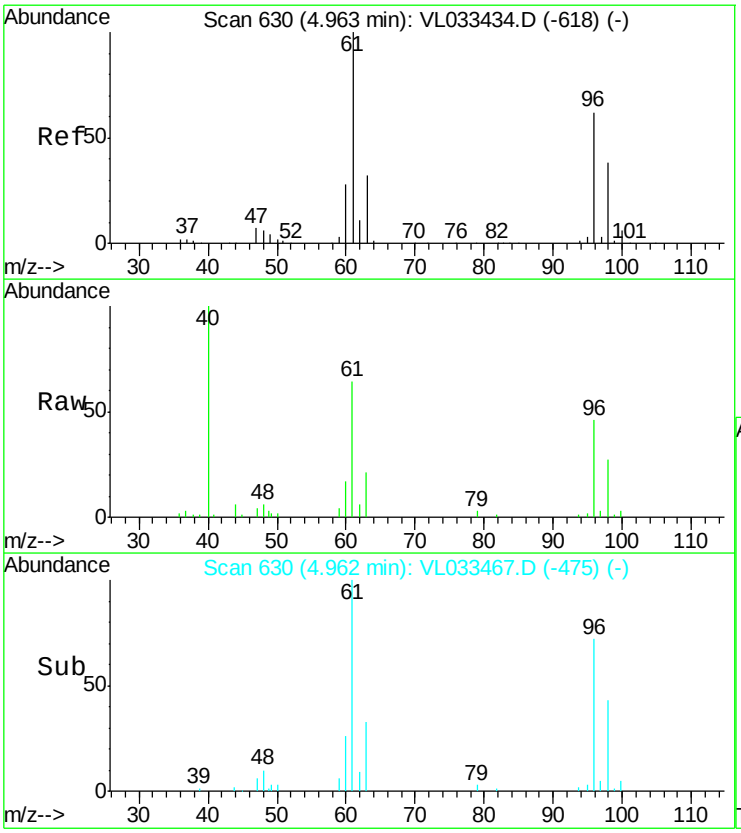
#21
Allyl Chloride
Concen: 0.260 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 16436

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

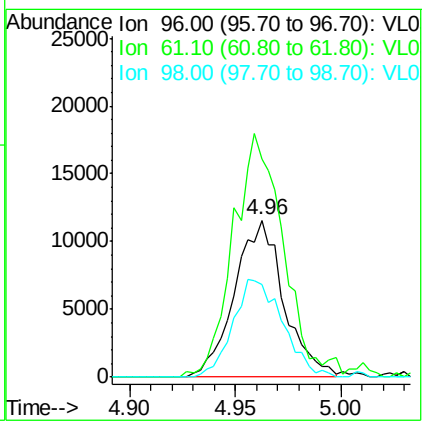


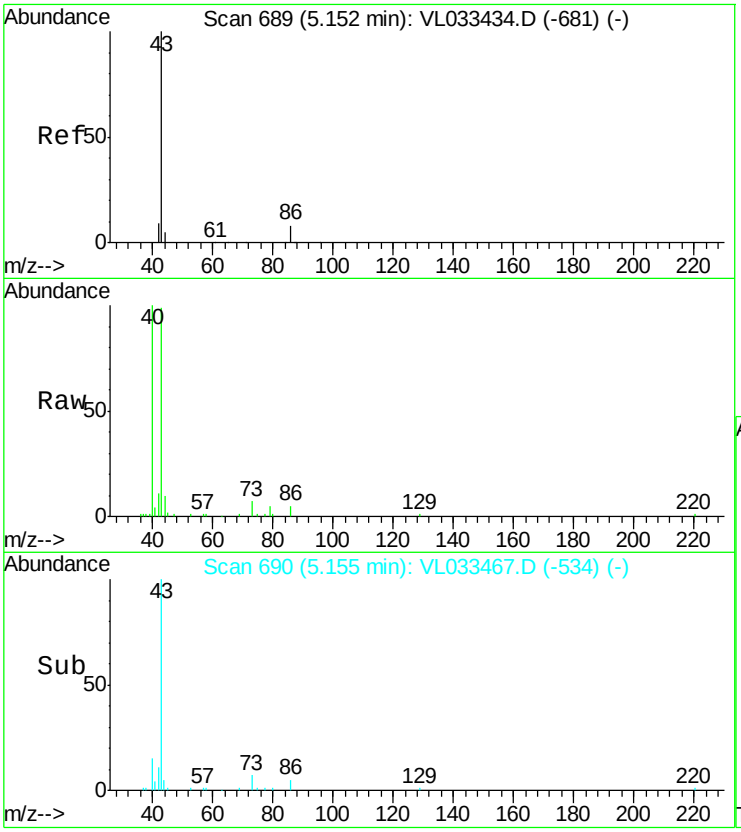


#22
trans-1,2-Dichloroethene
Concen: 0.419 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 96 Resp: 18825

Ion	Ratio	Lower	Upper
96	100		
61	136.3	128.9	193.3
98	59.4	49.5	74.3



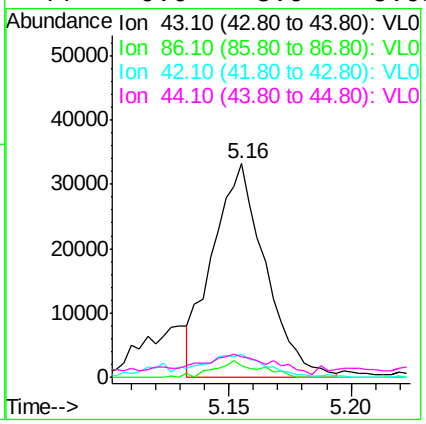


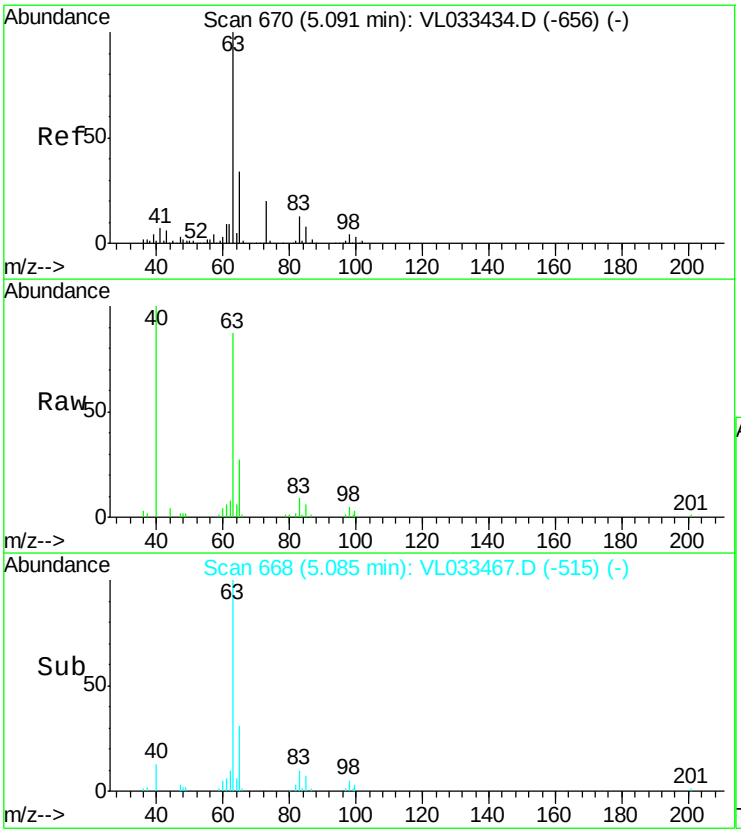
#23
Vinyl Acetate
Concen: 0.352 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 50035

Ion	Ratio	Lower	Upper
43	100		
86	5.4	5.6	8.4#
42	10.4	8.0	12.0
44	6.0	3.9	5.9#

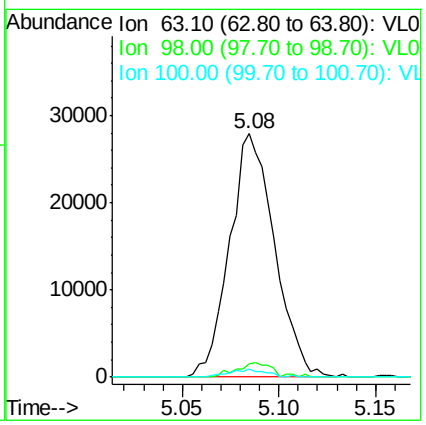


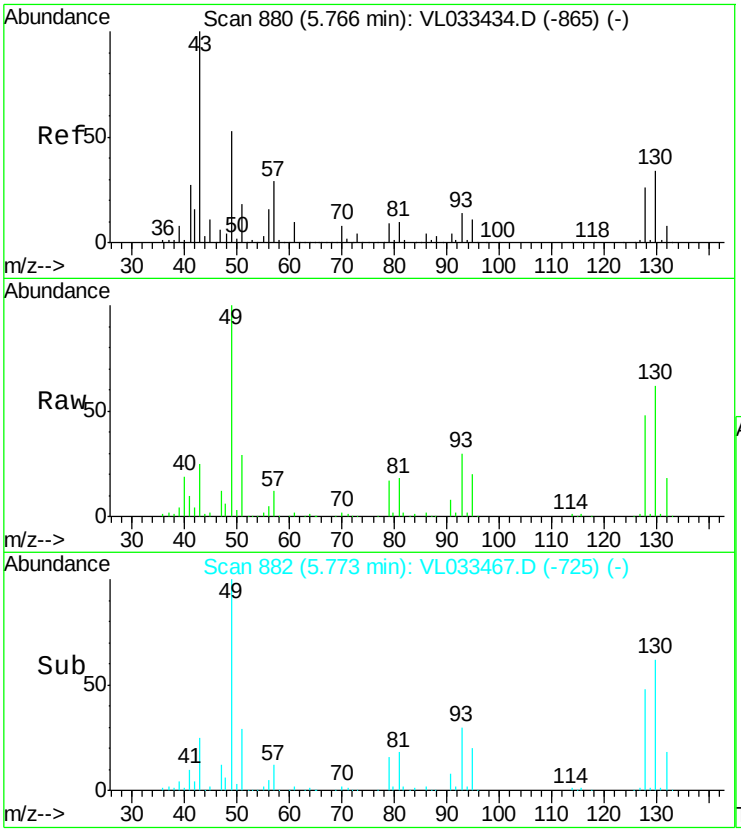


#24
1,1-Dichloroethane
Concen: 0.417 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 63 Resp: 45048

Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.2	6.6
100	3.4	1.5	4.4



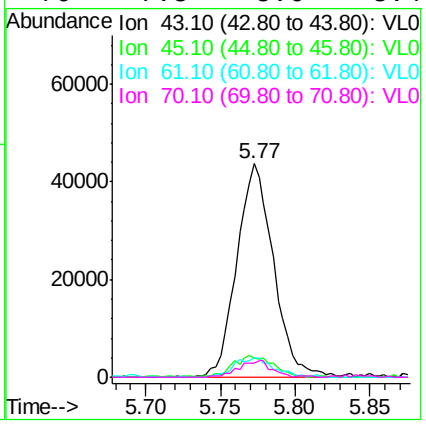


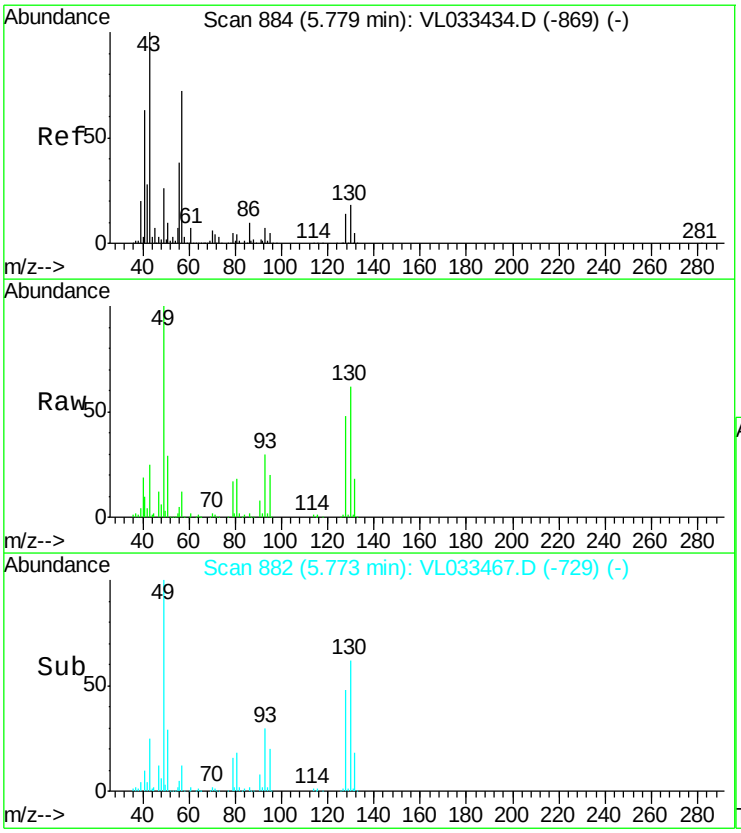
#25
Ethyl Acetate
Concen: 0.402 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 74541

Ion	Ratio	Lower	Upper
43	100		
45	11.1	7.8	11.6
61	10.0	7.3	10.9
70	7.3	5.6	8.4

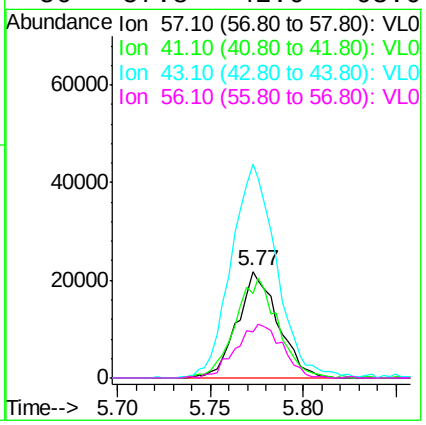


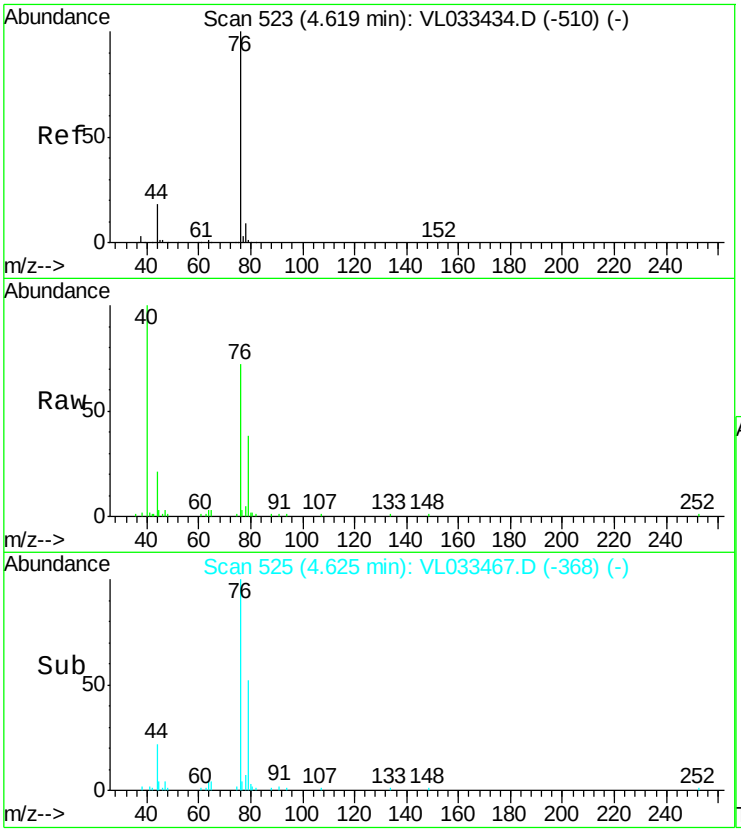


#26
Hexane
Concen: 0.403 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 57 Resp: 33226

Ion	Ratio	Lower	Upper
57	100		
41	99.8	70.7	106.1
43	226.9	182.6	274.0
56	57.8	42.0	63.0



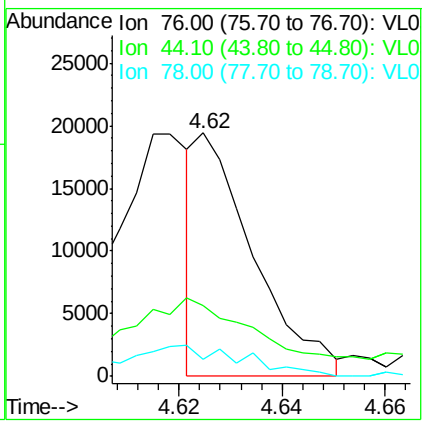


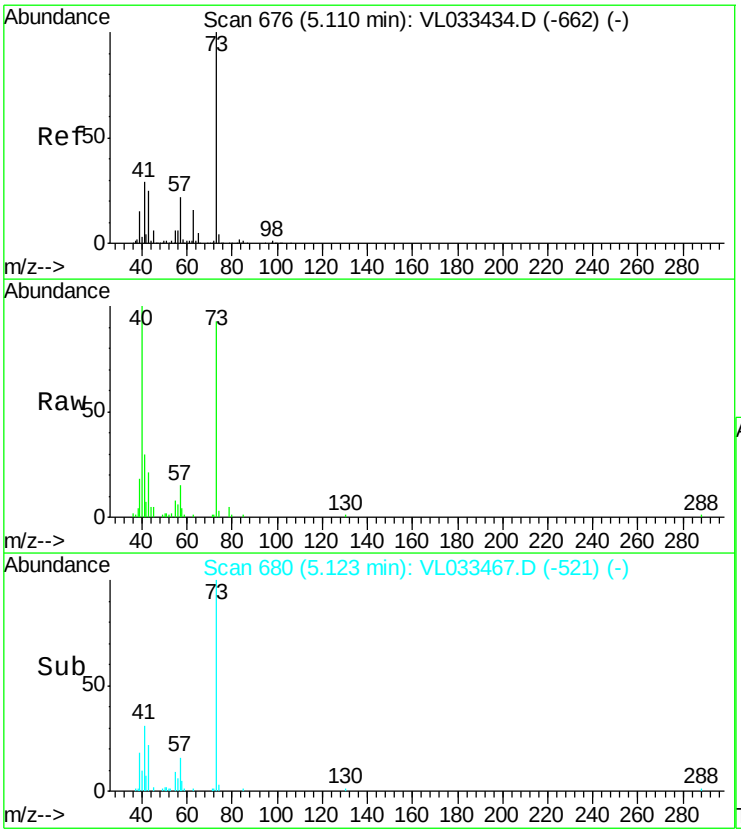
#27
Carbon Disulfide
Concen: 0.153 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 15034

Ion	Ratio	Lower	Upper
76	100		
44	64.6	14.8	22.2#
78	26.6	7.6	11.4#

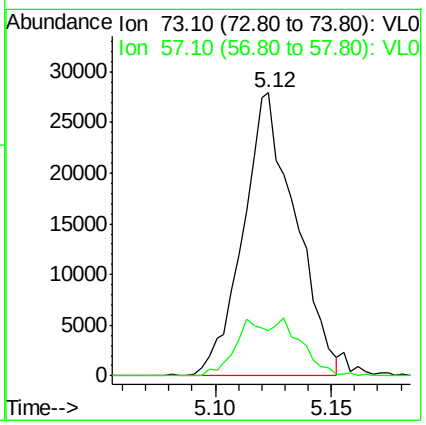


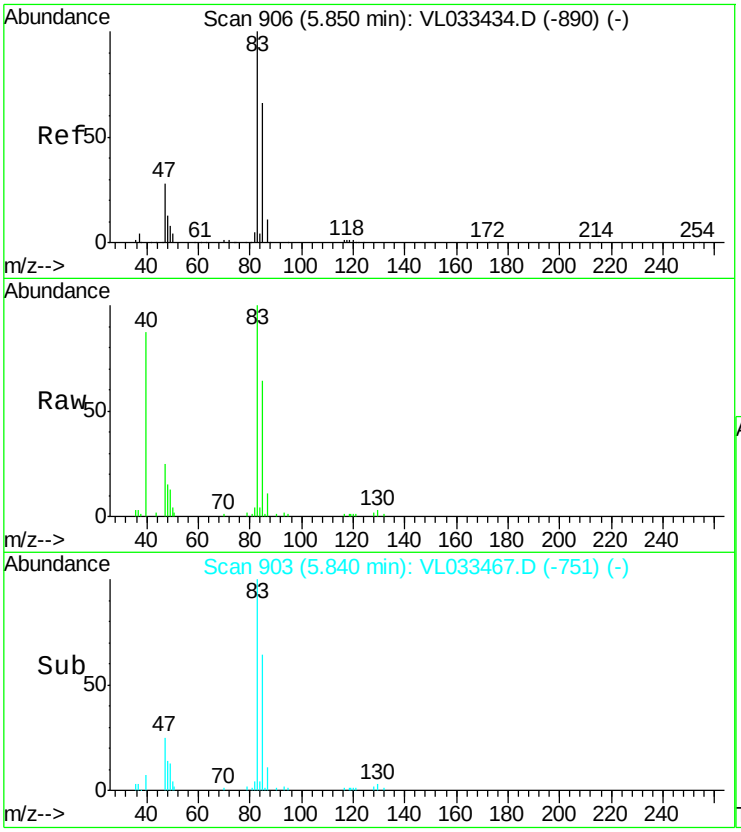


#28
Methyl tert-Butyl Ether
Concen: 0.369 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 73 Resp: 43789

Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.4	26.2



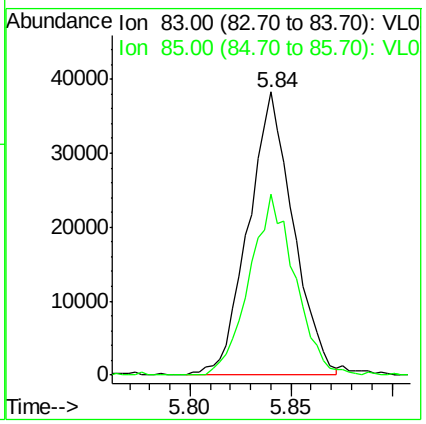


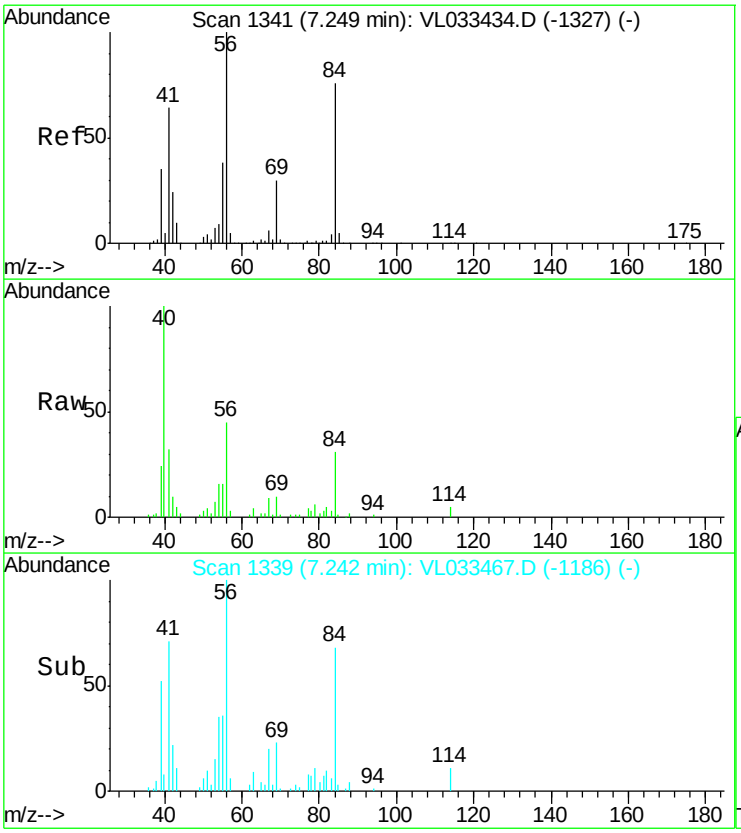
#29
Chloroform
Concen: 0.422 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 59551

Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.6	79.0

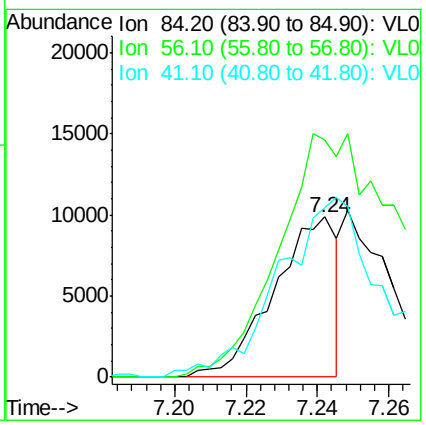


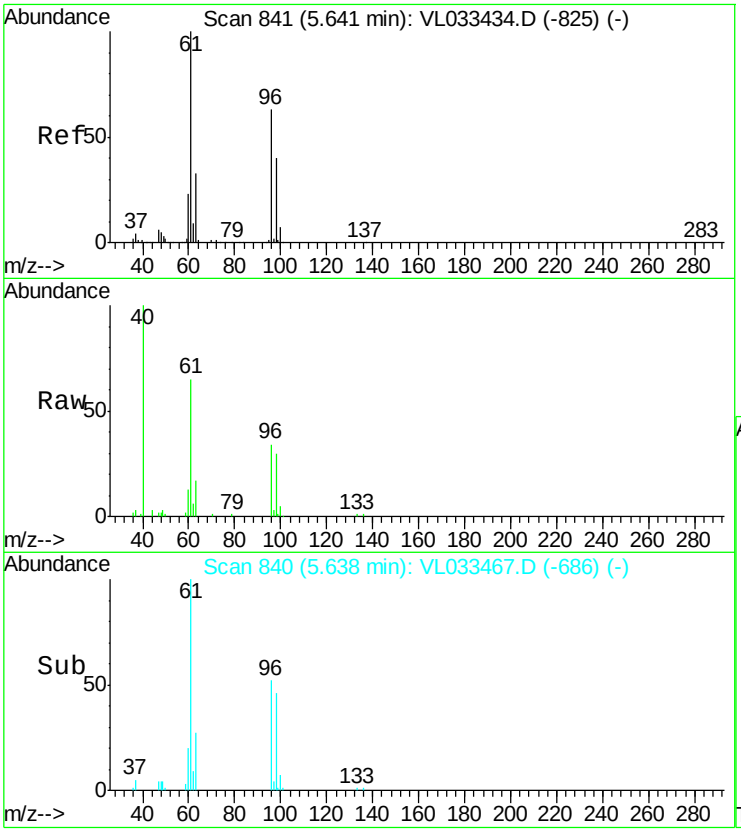


#30
Cyclohexane
Concen: 0.185 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 84 Resp: 12057

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



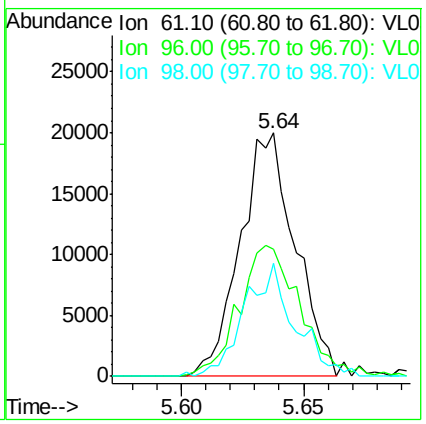


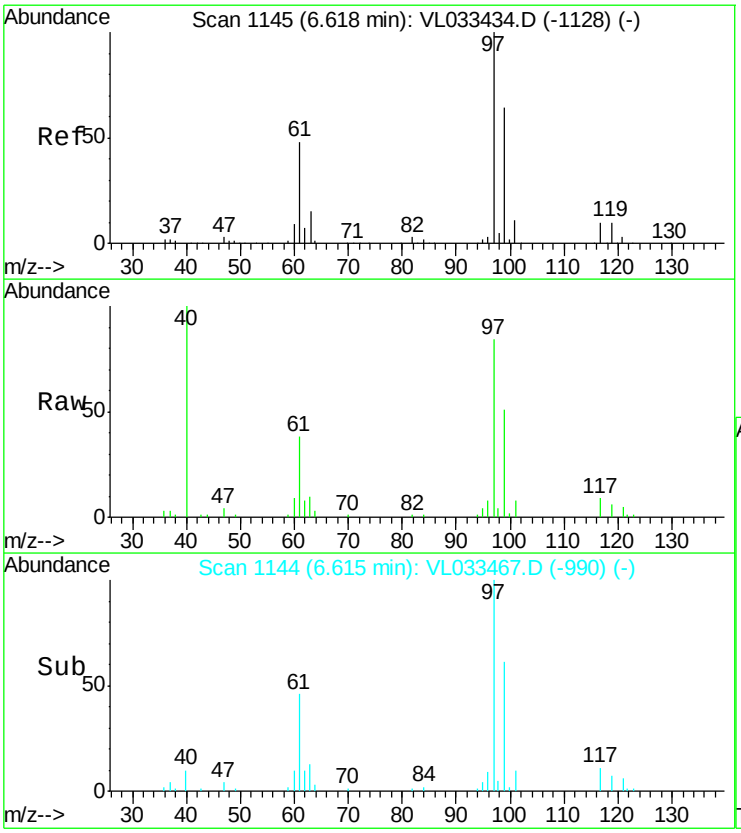
#31
cis-1,2-Dichloroethene
Concen: 0.381 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 31238

Ion	Ratio	Lower	Upper
61	100		
96	51.4	50.6	76.0
98	44.4	32.2	48.2

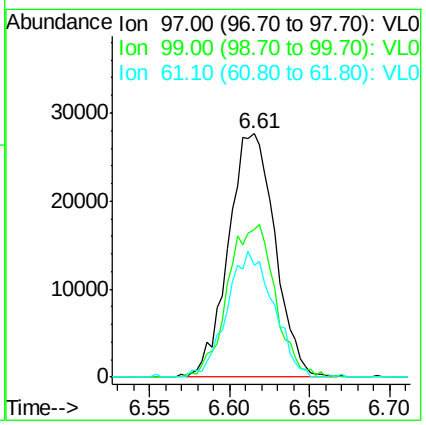


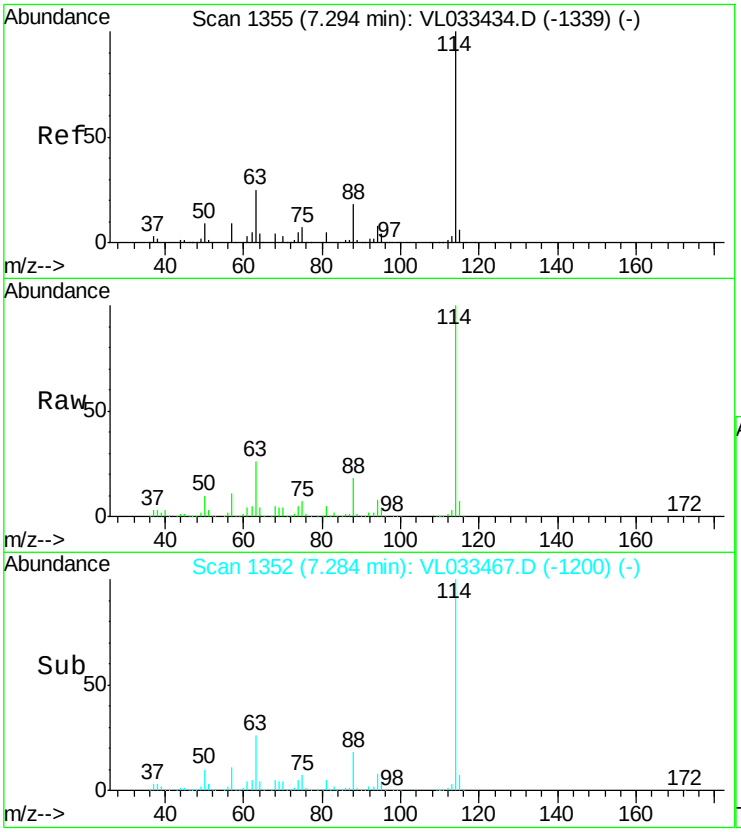


#32
1,1,1-Trichloroethane
Concen: 0.408 ppbv
RT: 6.61 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 97 Resp: 54841

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.5	77.3
61	51.4	38.8	58.2



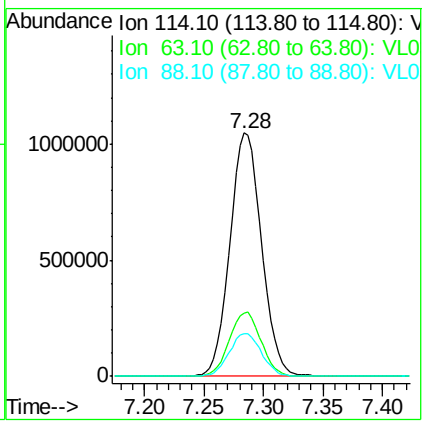


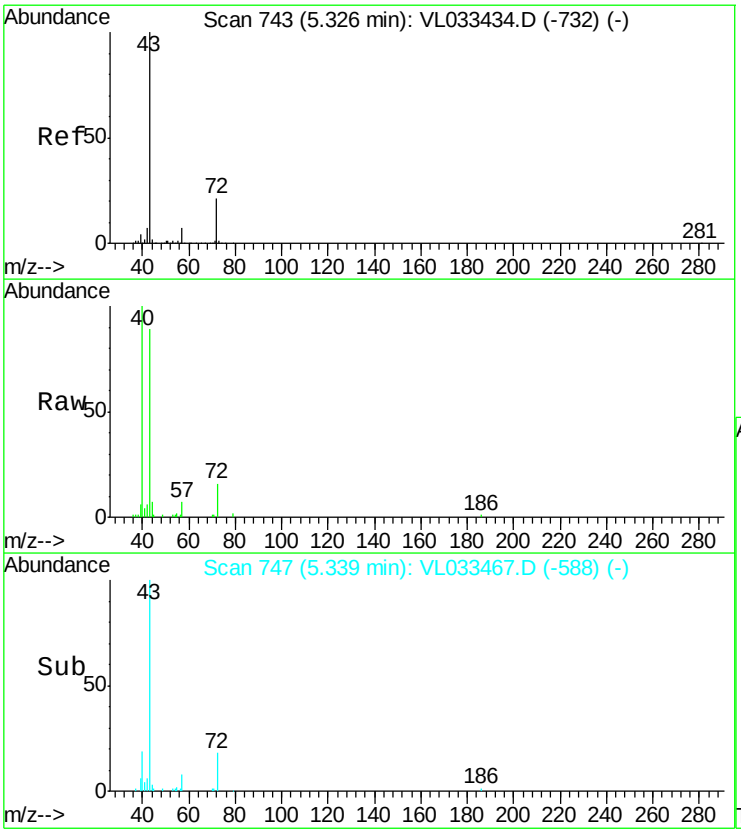
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1933659

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.1	14.5	21.7

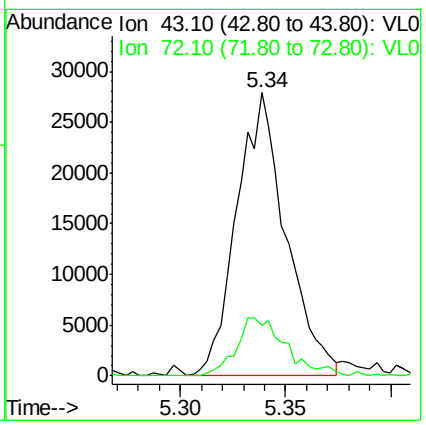


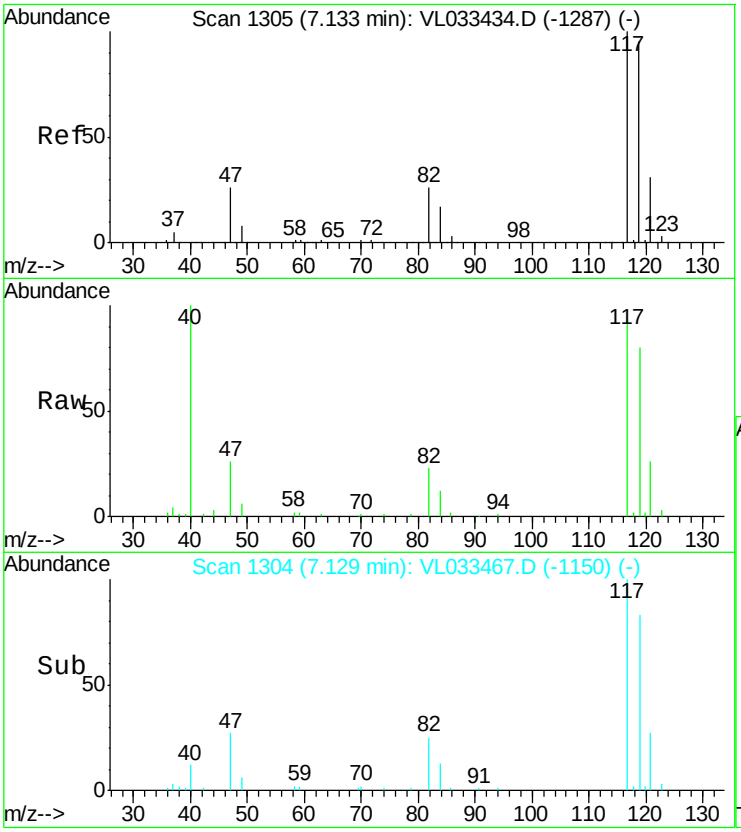


#34
2-Butanone
Concen: 0.390 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 43 Resp: 45363

Ion	Ratio	Lower	Upper
43	100		
72	20.8	17.4	26.2



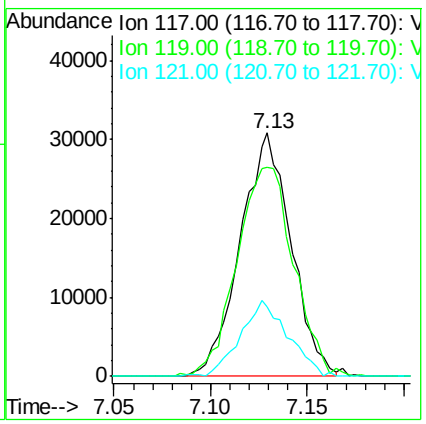


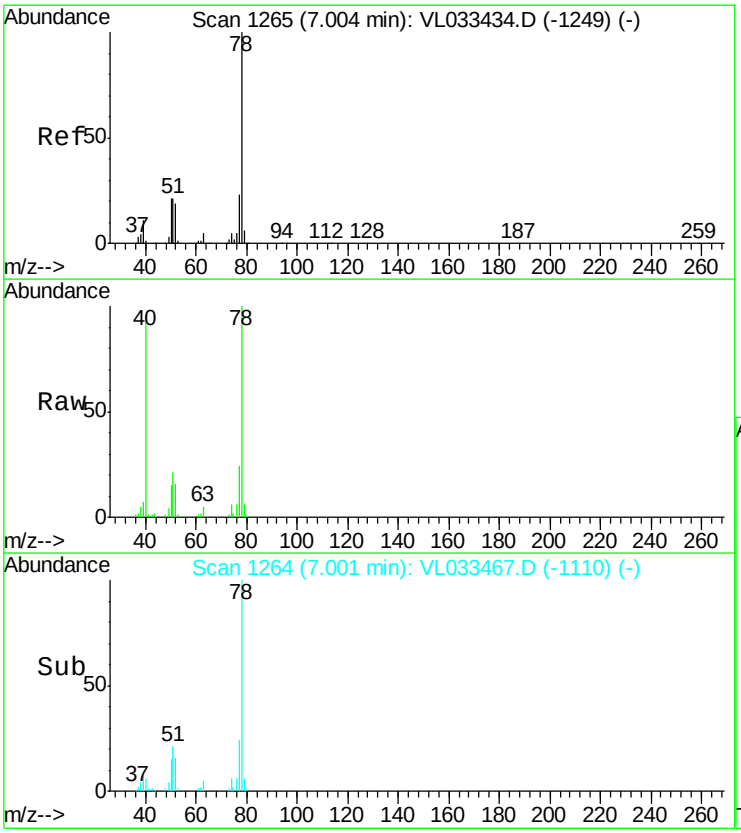
#35
Carbon Tetrachloride
Concen: 0.411 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 56235

Ion	Ratio	Lower	Upper
117	100		
119	85.1	75.8	113.8
121	28.5	24.7	37.1

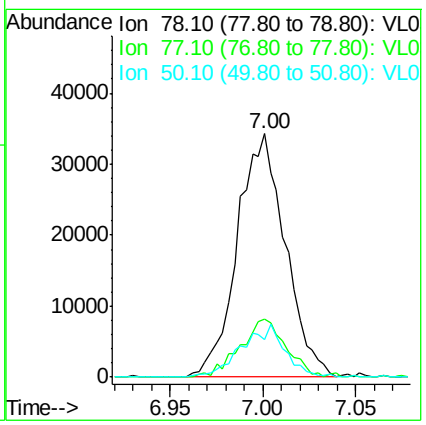


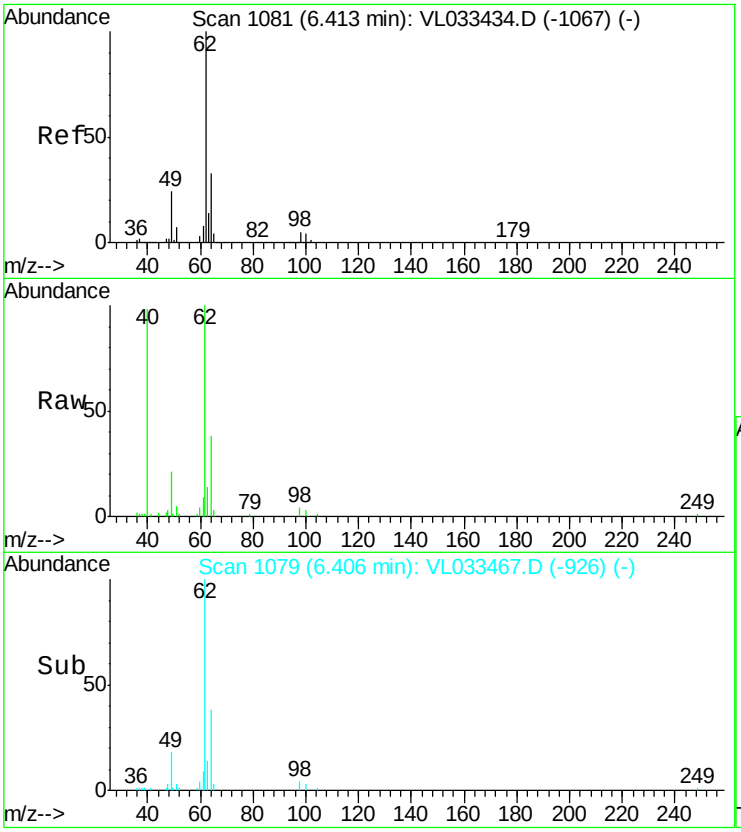


#36
Benzene
Concen: 0.379 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 78 Resp: 61456

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.1	27.1
50	15.5	16.7	25.1#



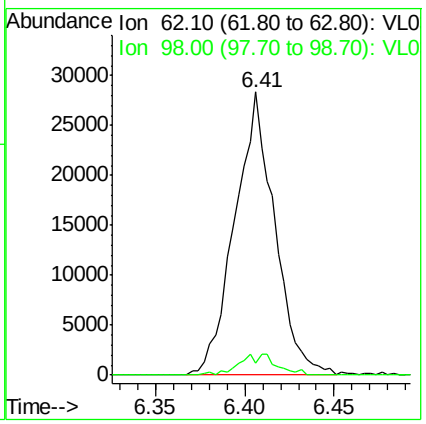


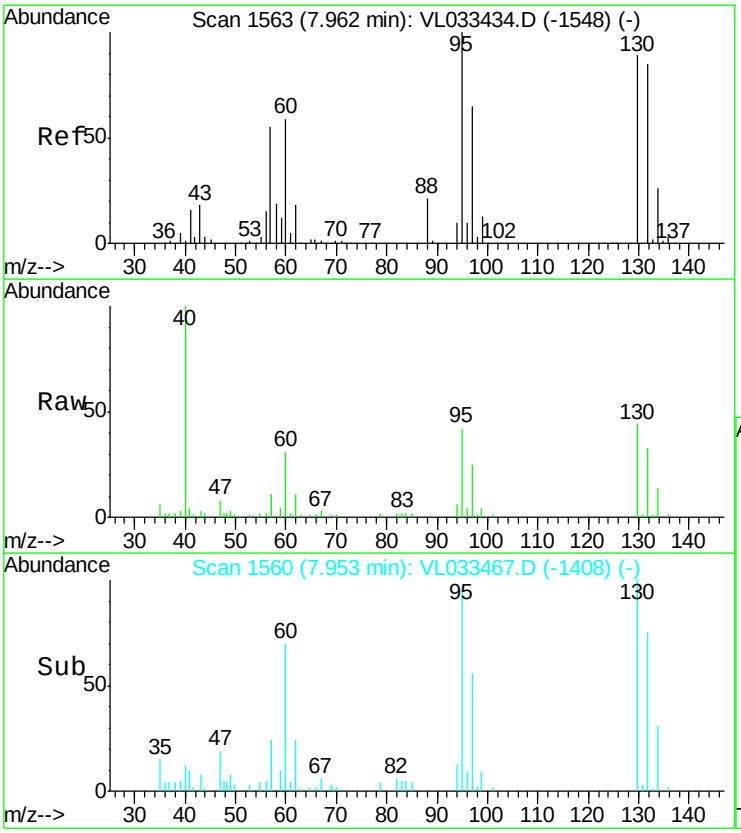
#37
1,2-Dichloroethane
Concen: 0.408 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 44379

Ion	Ratio	Lower	Upper
62	100		
98	6.9	4.4	6.6#

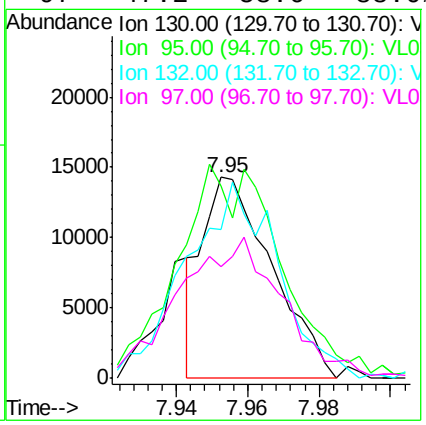


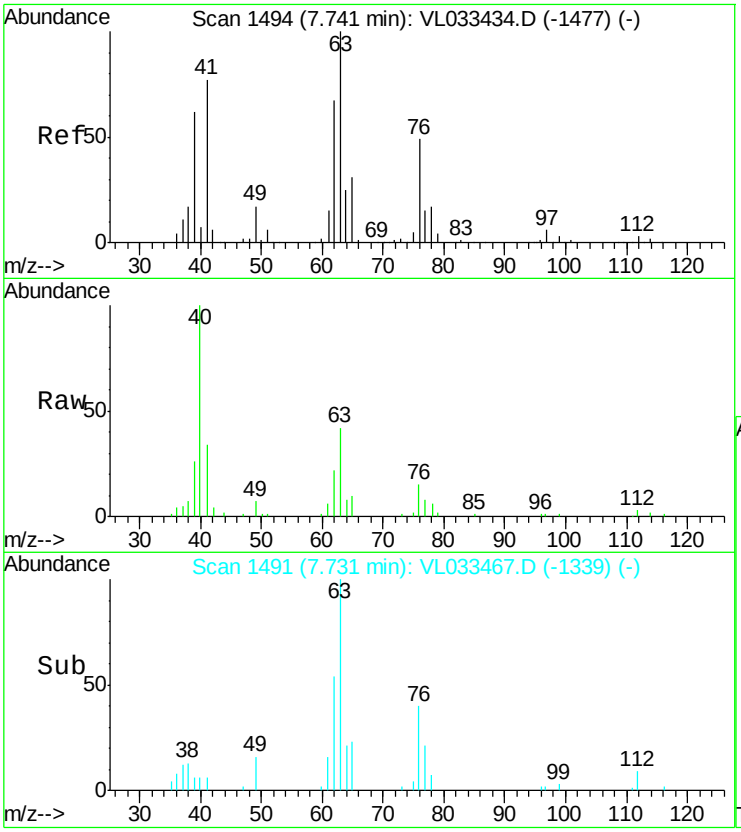


#38
Trichloroethene
Concen: 0.315 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:130 Resp: 19237

Ion	Ratio	Lower	Upper
130	100		
95	84.3	89.8	134.8#
132	65.7	76.6	115.0#
97	47.2	58.6	88.0#



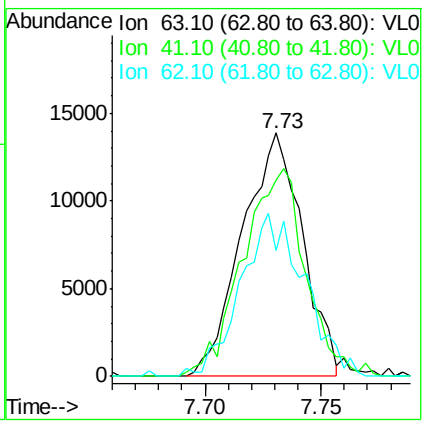


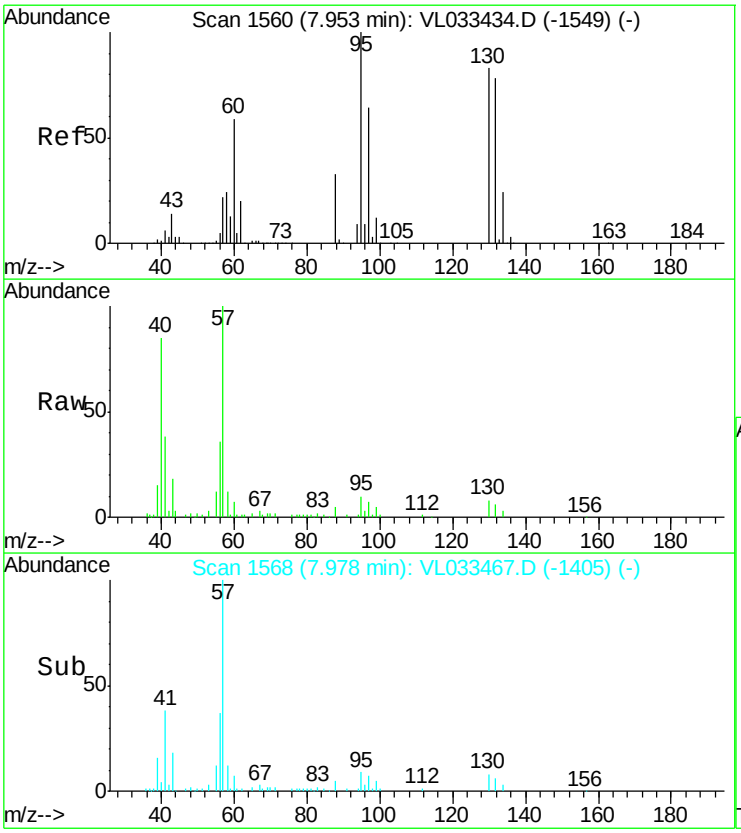
#39
1,2-Dichloropropane
Concen: 0.393 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 24974

Ion	Ratio	Lower	Upper
63	100		
41	78.6	61.2	91.8
62	48.4	54.0	81.0#

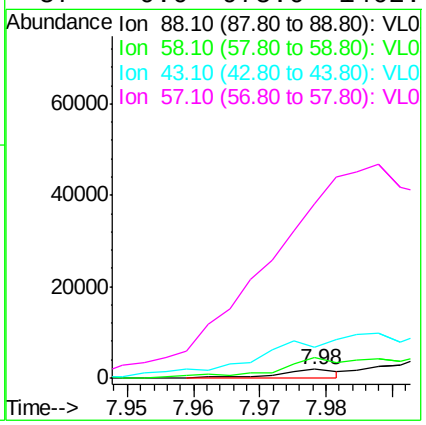


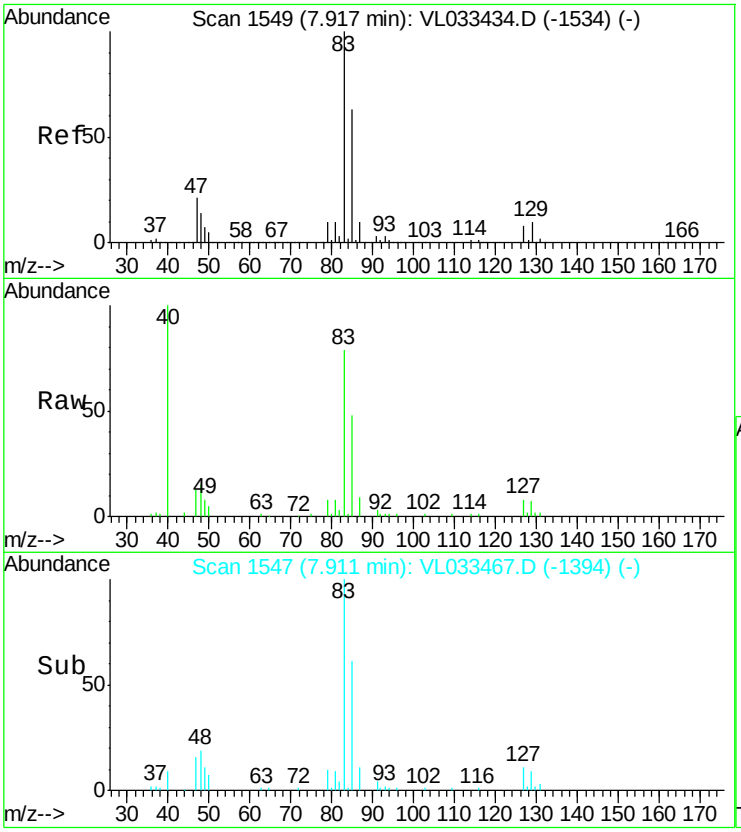


#40
1,4-Dioxane
Concen: 0.054 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. 0.03 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 88 Resp: 1231

Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.6	158.4#
43	0.0	216.7	325.1#
57	0.0	975.0	1462.4#



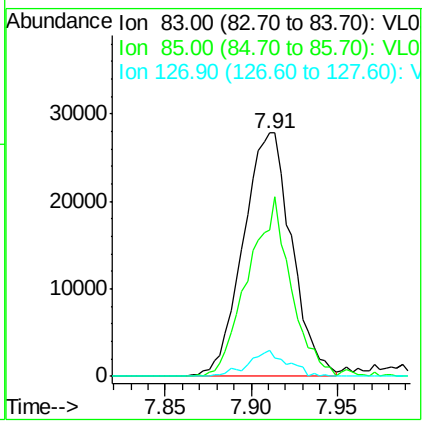


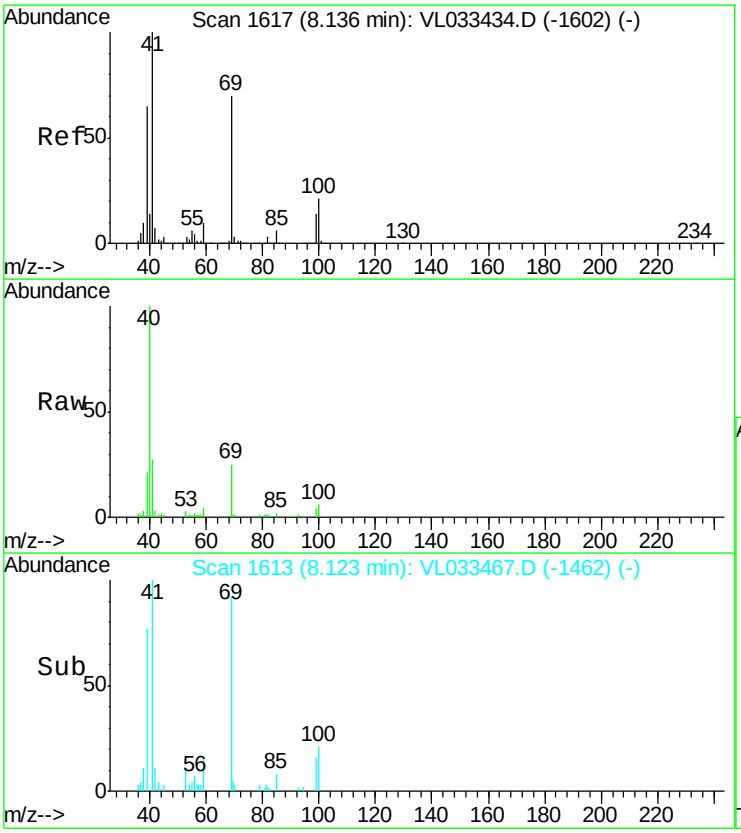
#42
Bromodichloromethane
Concen: 0.366 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 54278

Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.7	76.1
127	10.5	6.6	9.8#

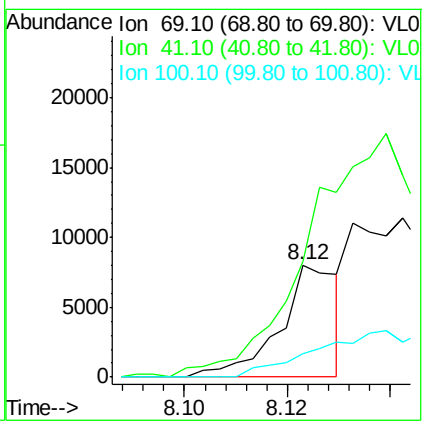


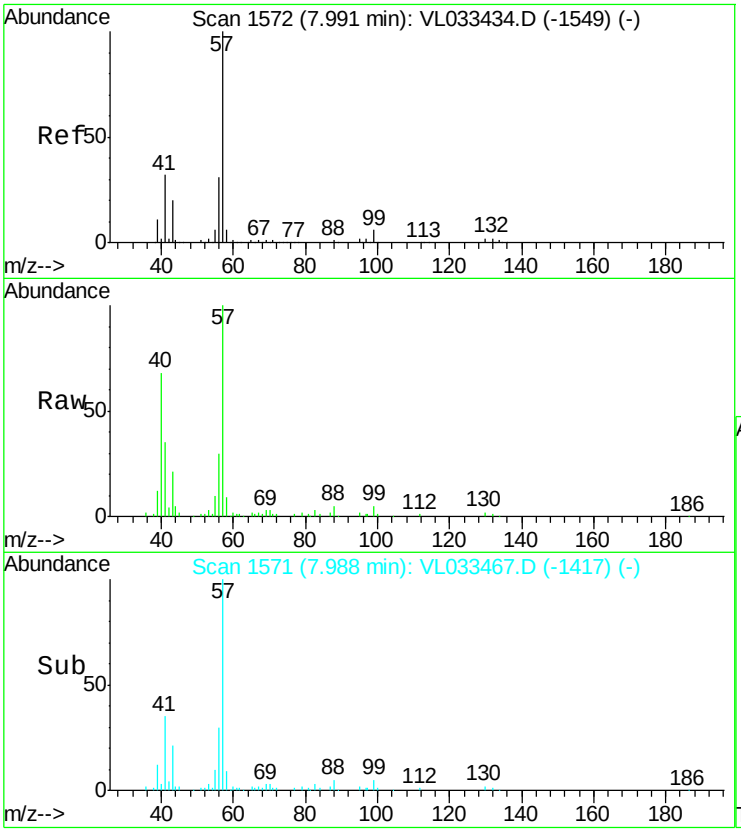


#43
Methyl Methacrylate
Concen: 0.095 ppbv
RT: 8.12 min Scan# 1613
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 69 Resp: 6284

Ion	Ratio	Lower	Upper
69	100		
41	0.0	116.6	174.8#
100	0.0	24.4	36.6#



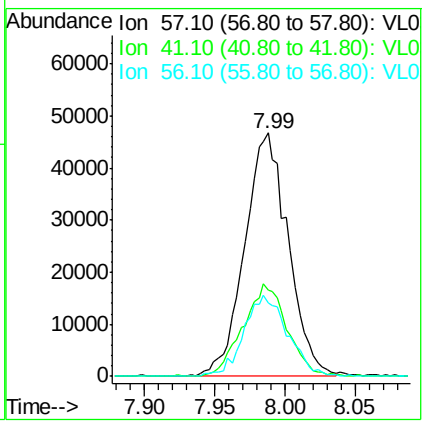


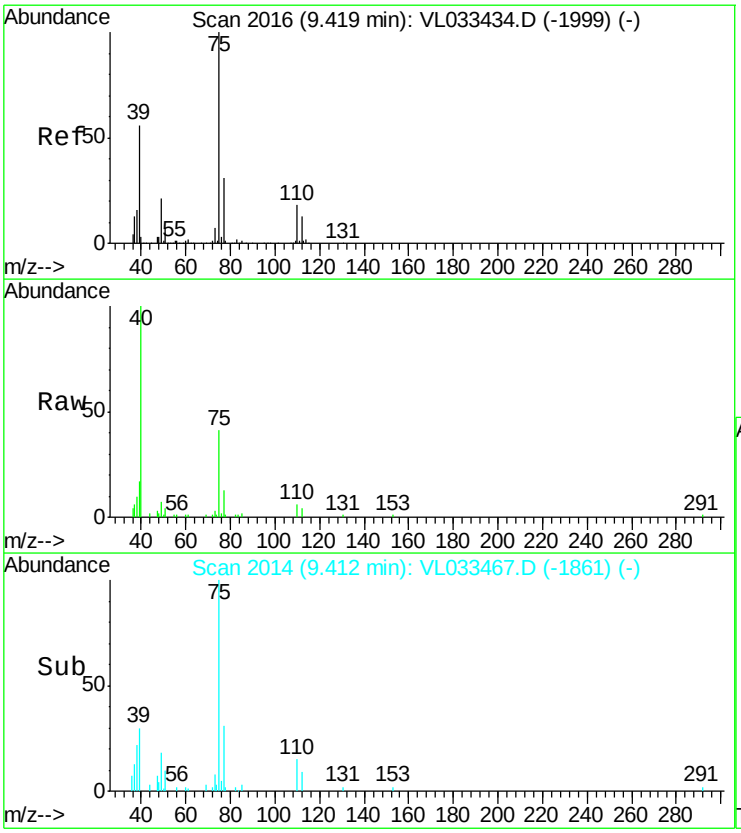
#44
2,2,4-Trimethylpentane
Concen: 0.355 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 100700

Ion	Ratio	Lower	Upper
57	100		
41	38.7	26.0	39.0
56	33.6	24.6	37.0

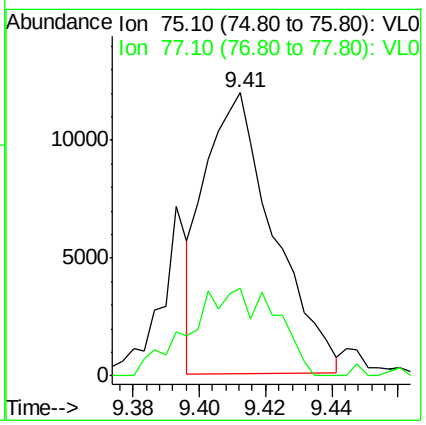


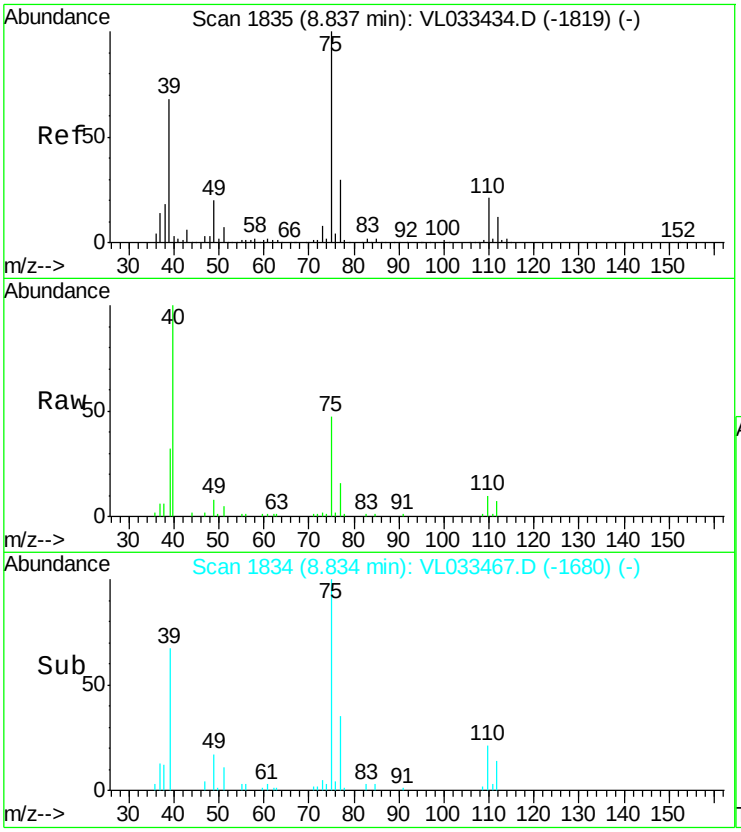


#45
t-1,3-Dichloropropene
Concen: 0.213 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 75 Resp: 17195

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7



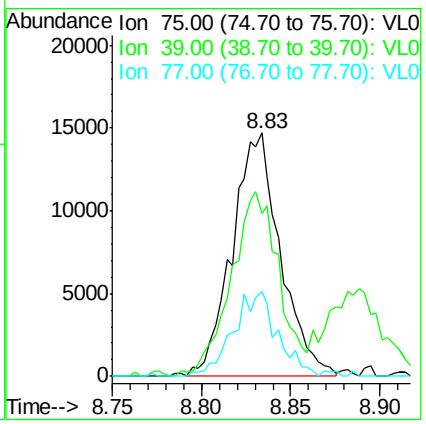


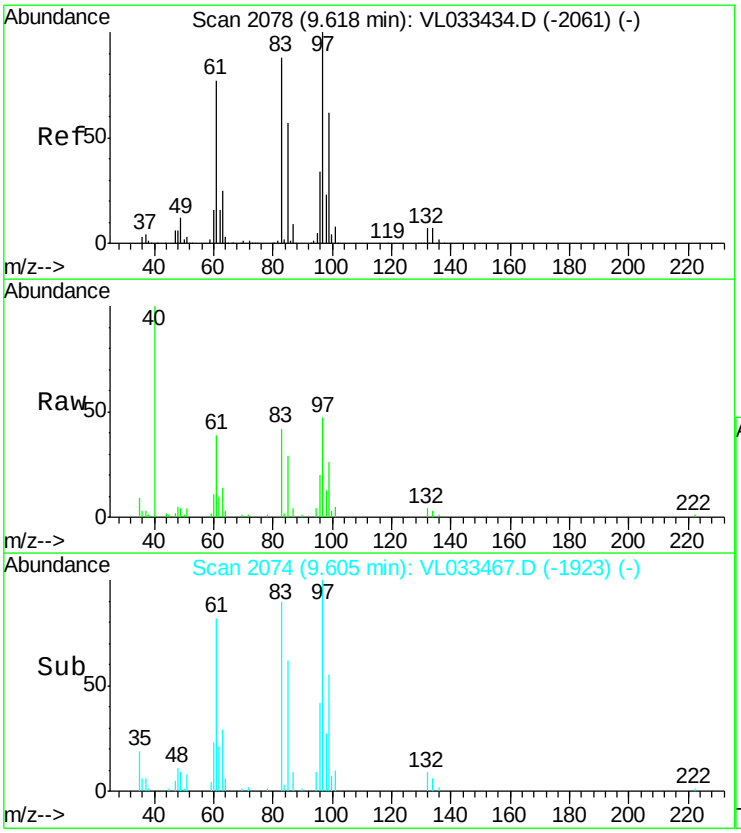
#46
cis-1,3-Dichloropropene
Concen: 0.294 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 27803

Ion	Ratio	Lower	Upper
75	100		
39	65.1	54.1	81.1
77	34.8	23.9	35.9

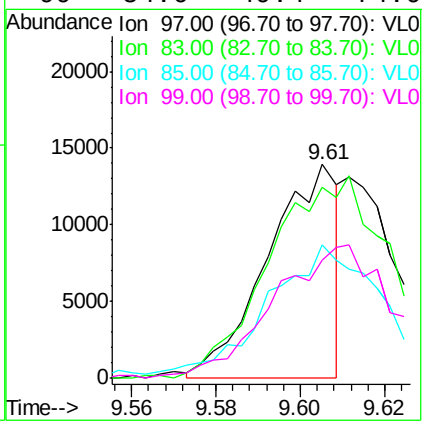


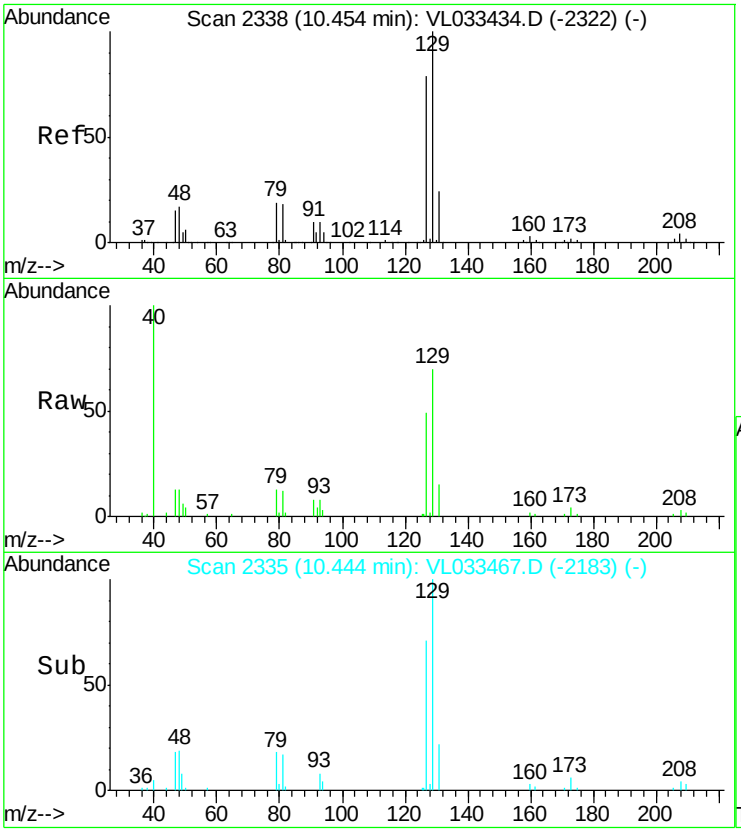


#47
1,1,2-Trichloroethane
Concen: 0.222 ppbv
RT: 9.61 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 97 Resp: 16032

Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.5	105.7
85	58.1	45.6	68.4
99	54.6	49.4	74.0



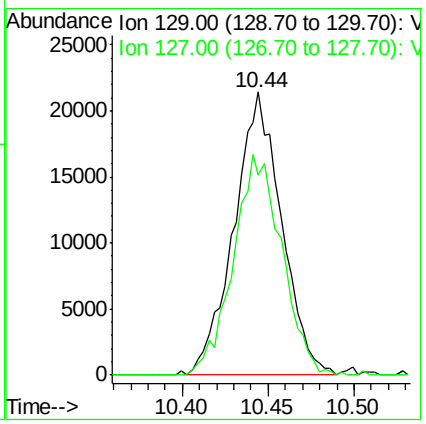


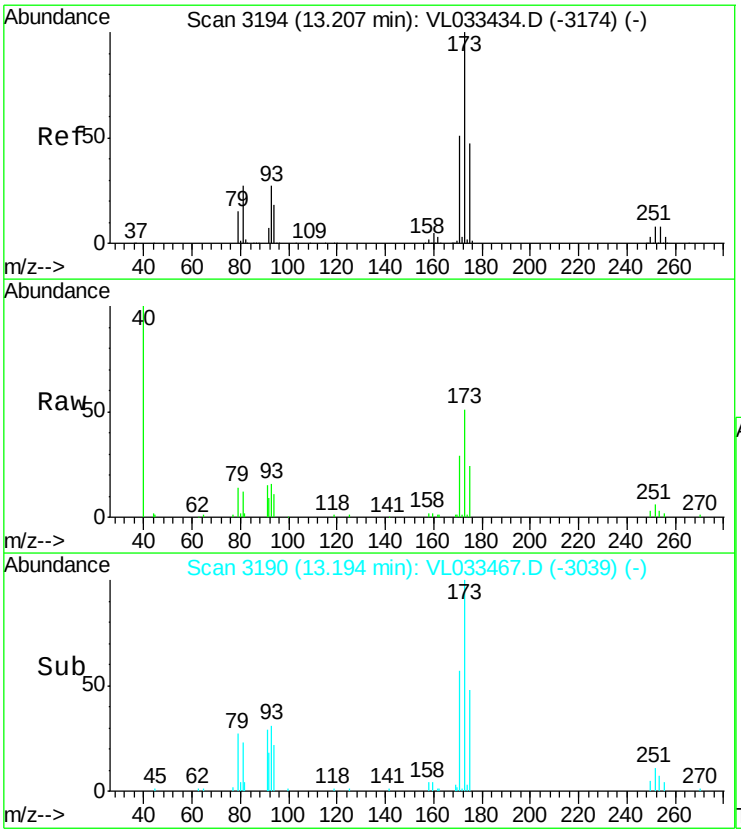
#48
Dibromochloromethane
Concen: 0.337 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 41074

Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.1	117.2

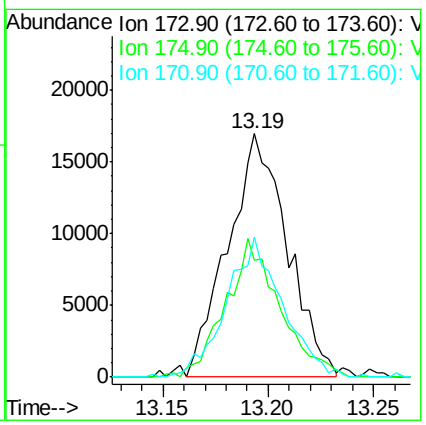


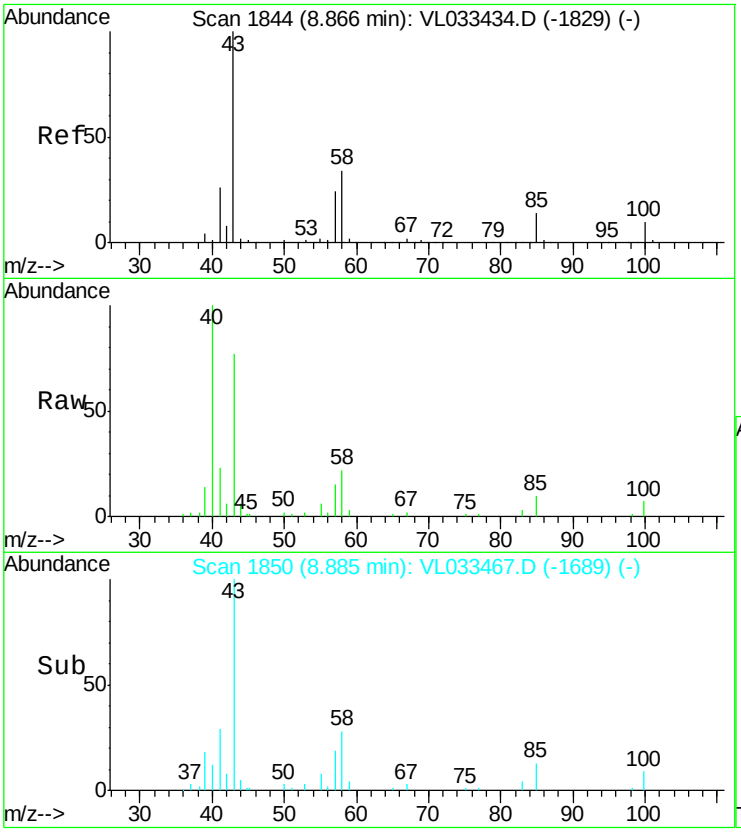


#49
Bromoform
Concen: 0.286 ppbv
RT: 13.19 min Scan# 3190
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:173 Resp: 33273

Ion	Ratio	Lower	Upper
173	100		
175	51.9	39.3	58.9
171	54.1	41.2	61.8



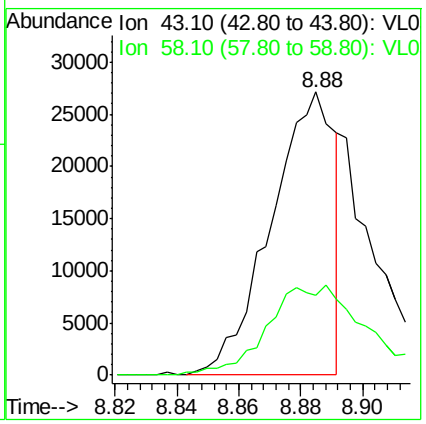


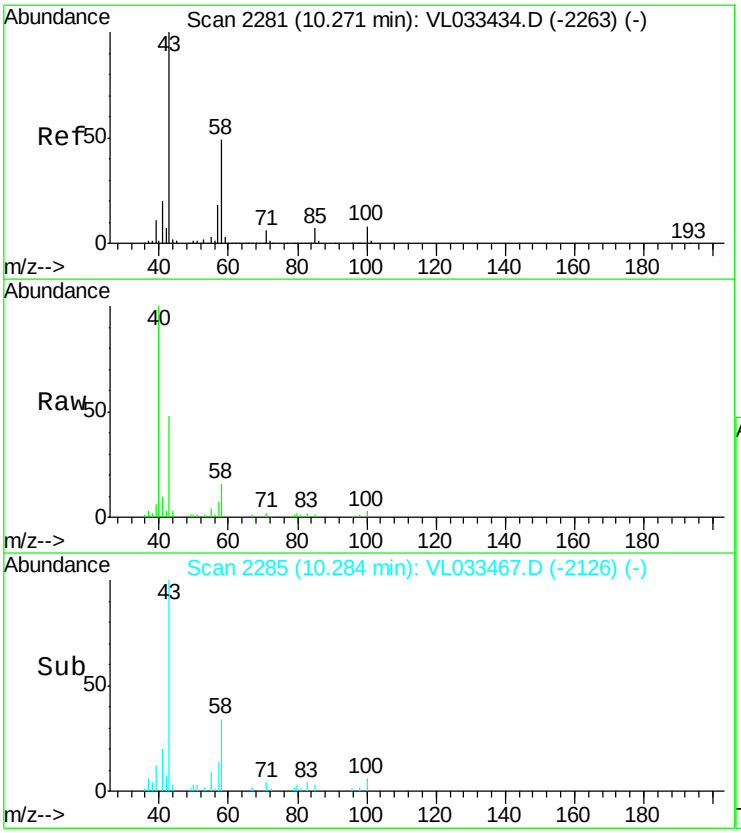
#50
4-Methyl-2-Pentanone
Concen: 0.227 ppbv
RT: 8.88 min Scan# 1850
Delta R.T. 0.02 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 38679

Ion	Ratio	Lower	Upper
43	100		
58	48.9	28.0	42.0#

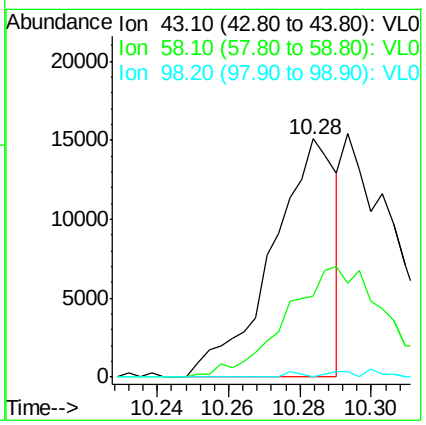


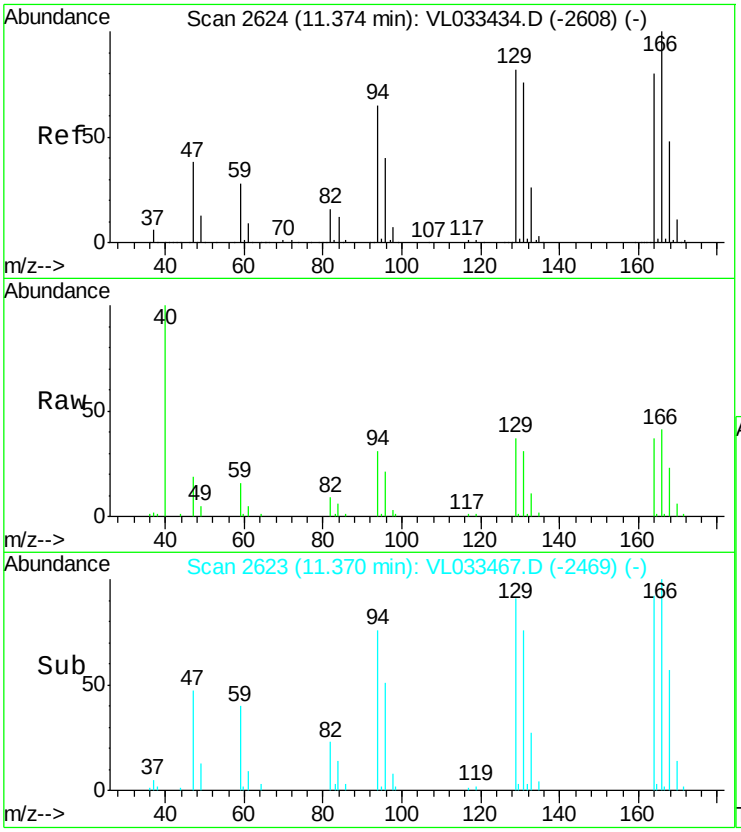


#51
2-Hexanone
Concen: 0.147 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 43 Resp: 18623

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.2	57.2#
98	0.0	0.2	0.2#



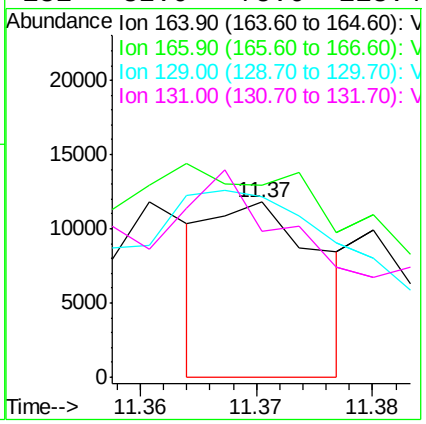


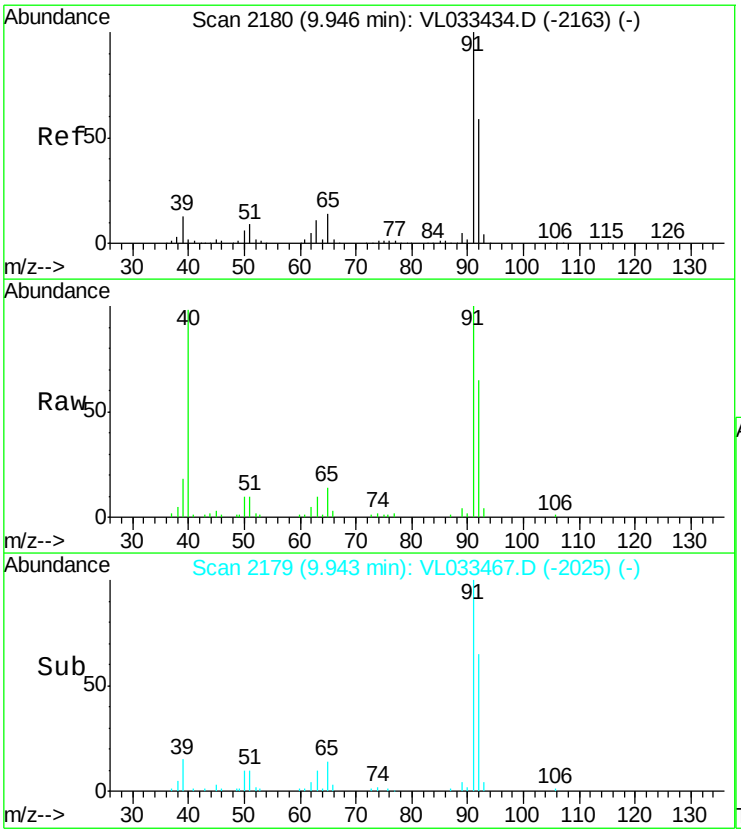
#52
Tetrachloroethene
Concen: 0.125 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 7680

Ion	Ratio	Lower	Upper
164	100		
166	102.7	99.5	149.3
129	92.6	81.4	122.2
131	82.0	75.6	113.4

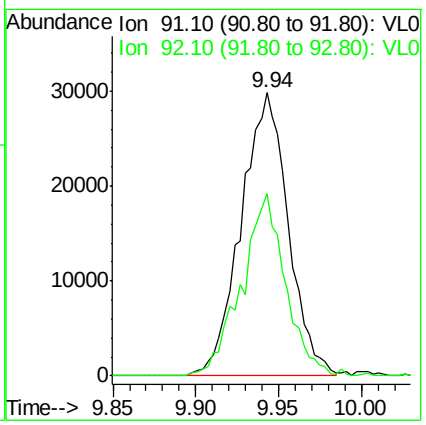


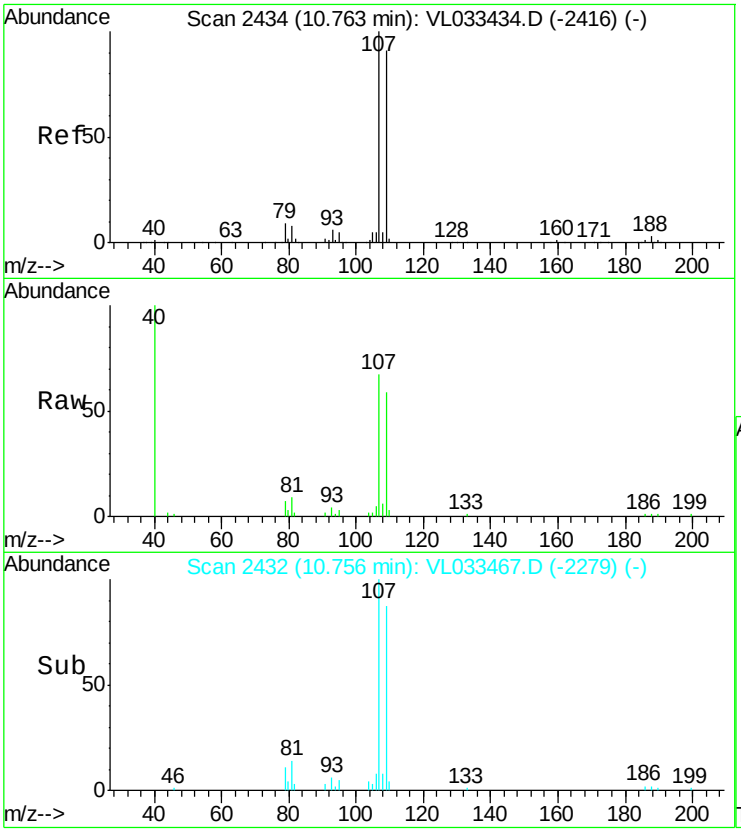


#53
Toluene
Concen: 0.313 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 91 Resp: 59091

Ion	Ratio	Lower	Upper
91	100		
92	59.9	47.4	71.0



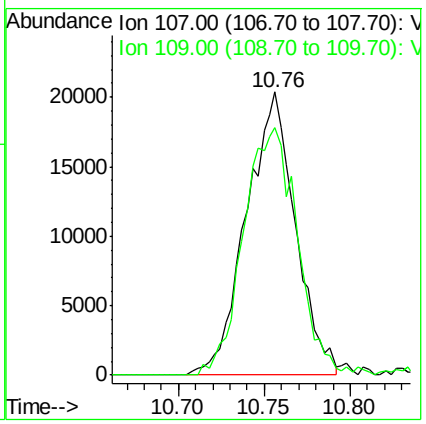


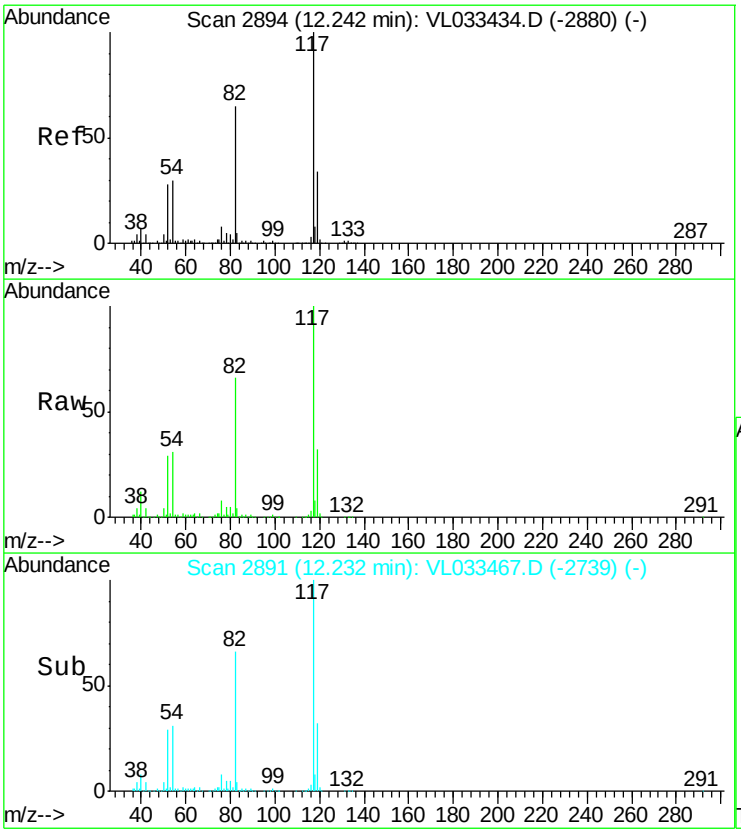
#54
1,2-Dibromoethane
Concen: 0.358 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:107 Resp: 40367

Ion	Ratio	Lower	Upper
107	100		
109	91.7	72.7	109.1

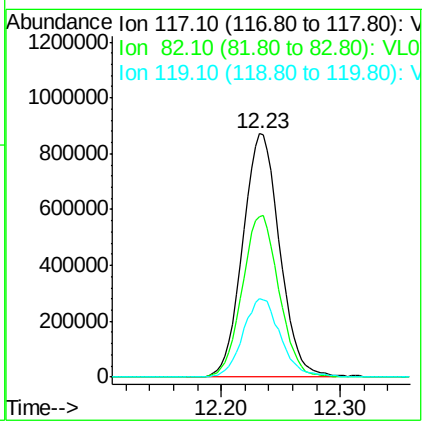


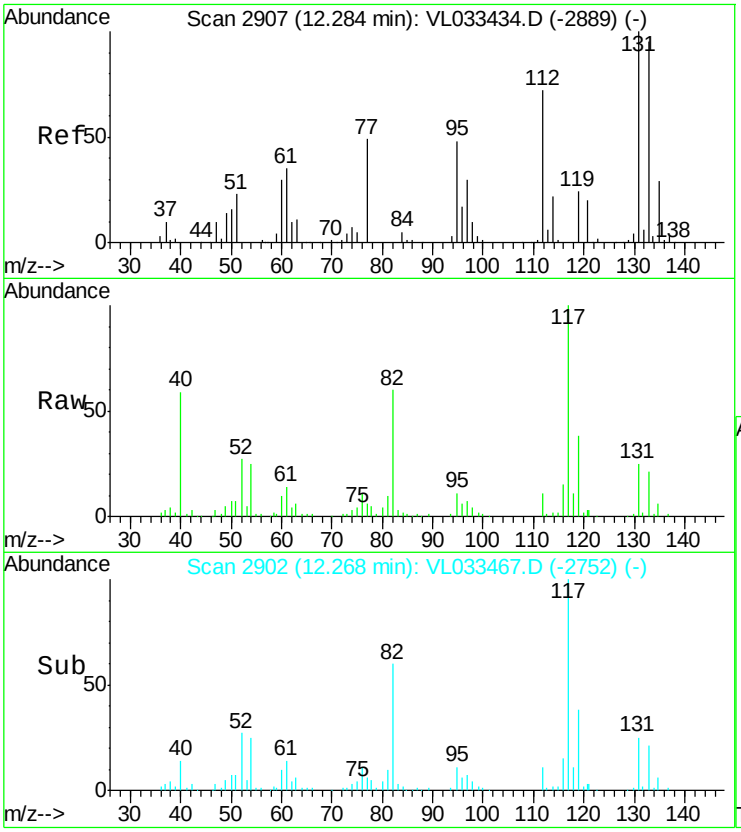


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:117 Resp: 1870465

Ion	Ratio	Lower	Upper
117	100		
82	66.6	51.5	77.3
119	32.9	25.5	38.3



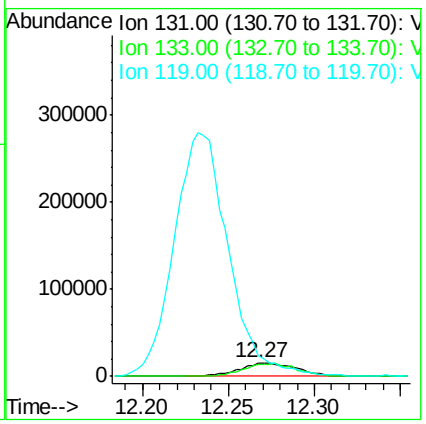


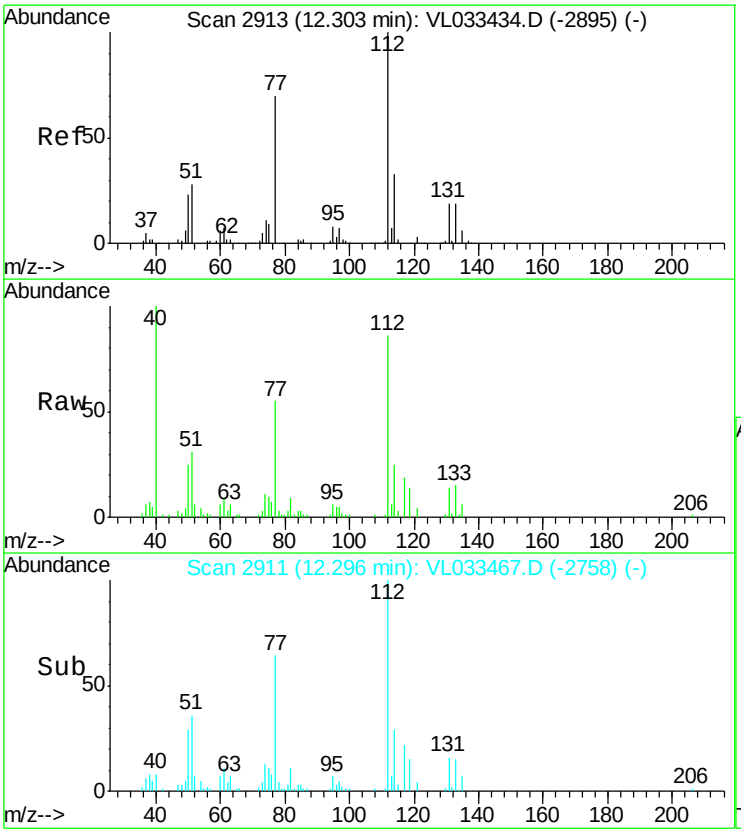
#56
1,1,1,2-Tetrachloroethane
Concen: 0.416 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 35622

Ion	Ratio	Lower	Upper
131	100		
133	89.6	76.2	114.4
119	1729.5	45.0	67.6#

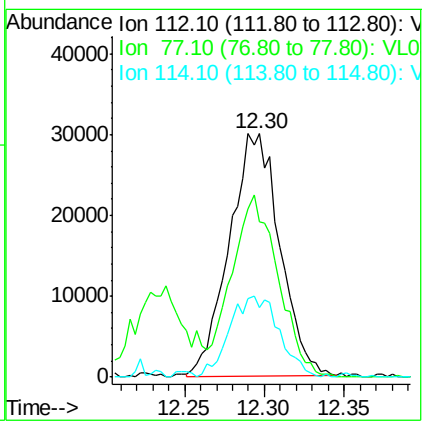


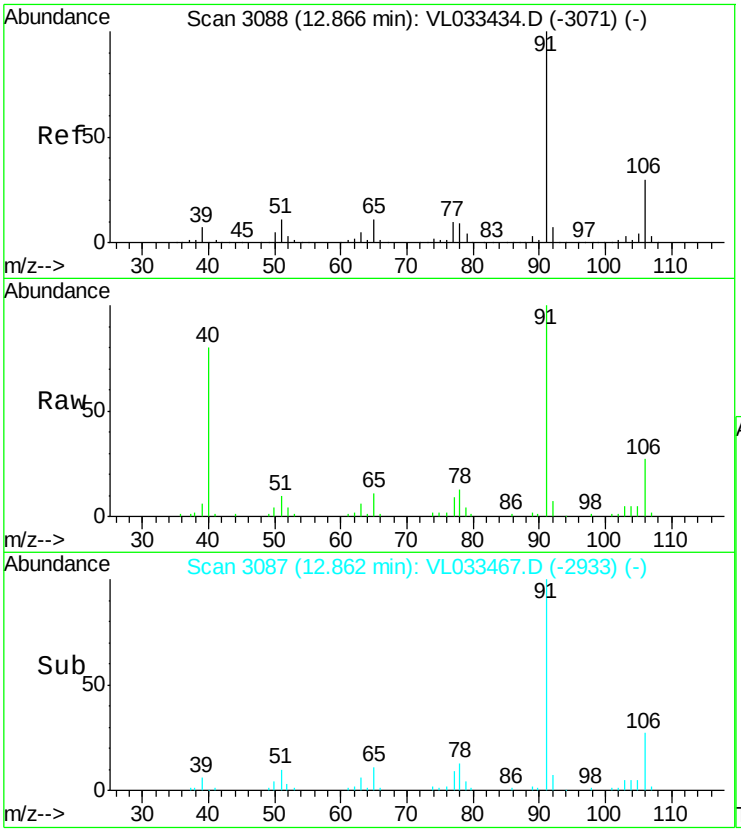


#57
Chlorobenzene
Concen: 0.445 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:112 Resp: 64650

Ion	Ratio	Lower	Upper
112	100		
77	64.0	57.3	85.9
114	28.7	29.8	36.4#



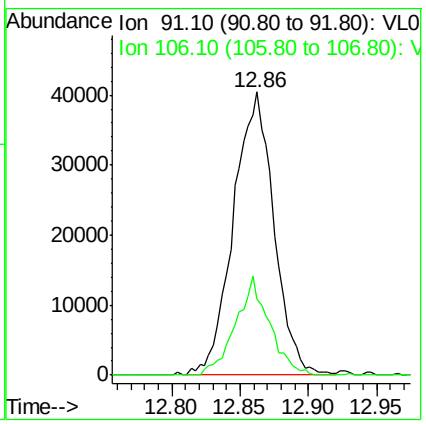


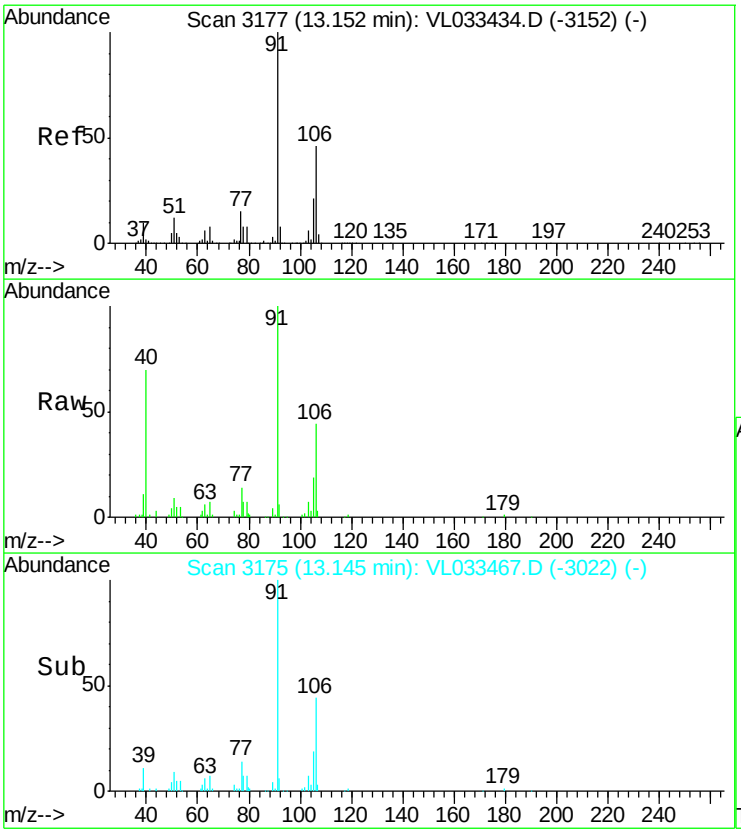
#58
Ethyl Benzene
Concen: 0.334 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 83436

Ion	Ratio	Lower	Upper
91	100		
106	26.7	23.8	35.6

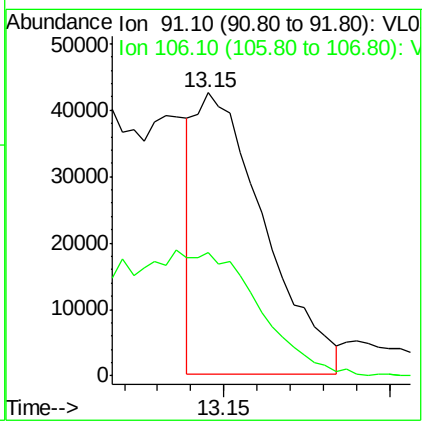


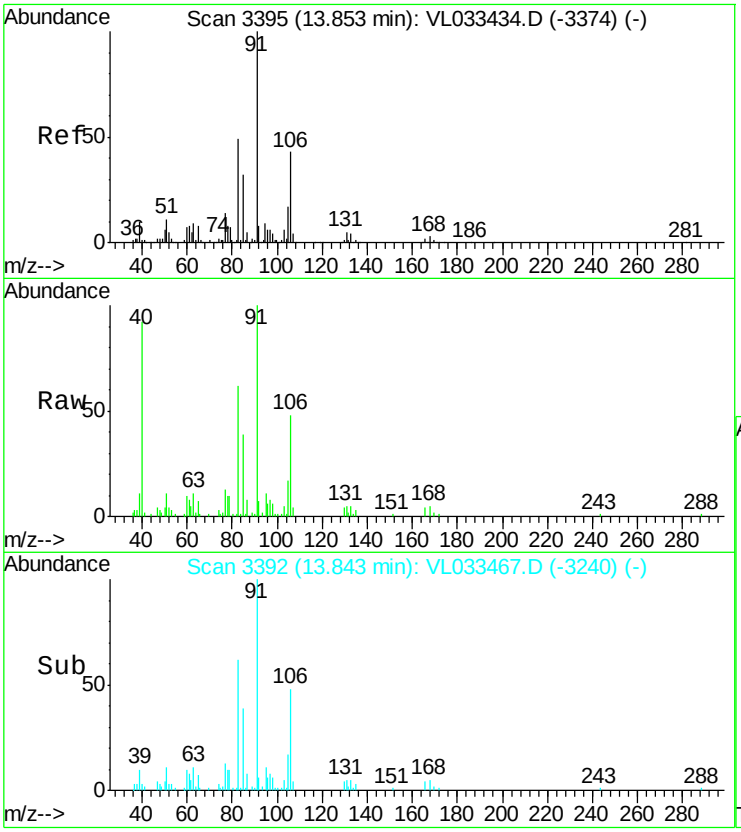


#59
m/p-Xylene
Concen: 0.275 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 91 Resp: 61393

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



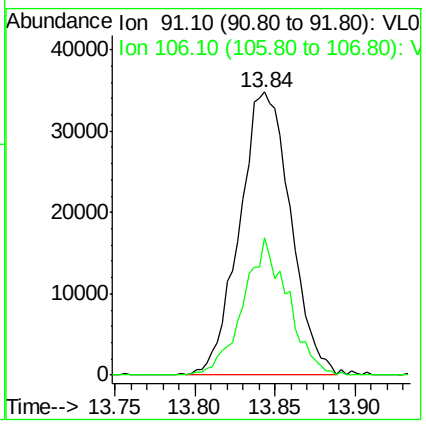


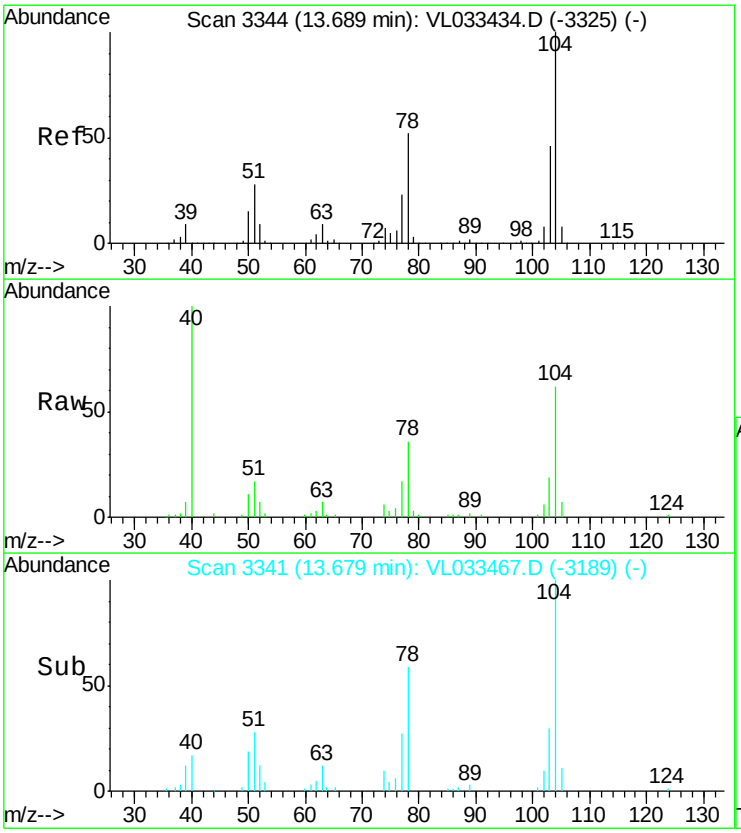
#60
o-Xylene
Concen: 0.354 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 76341

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.4	64.3

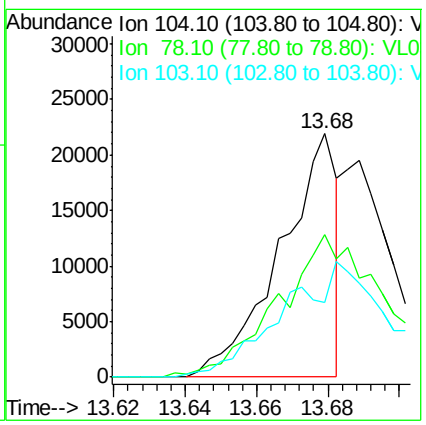


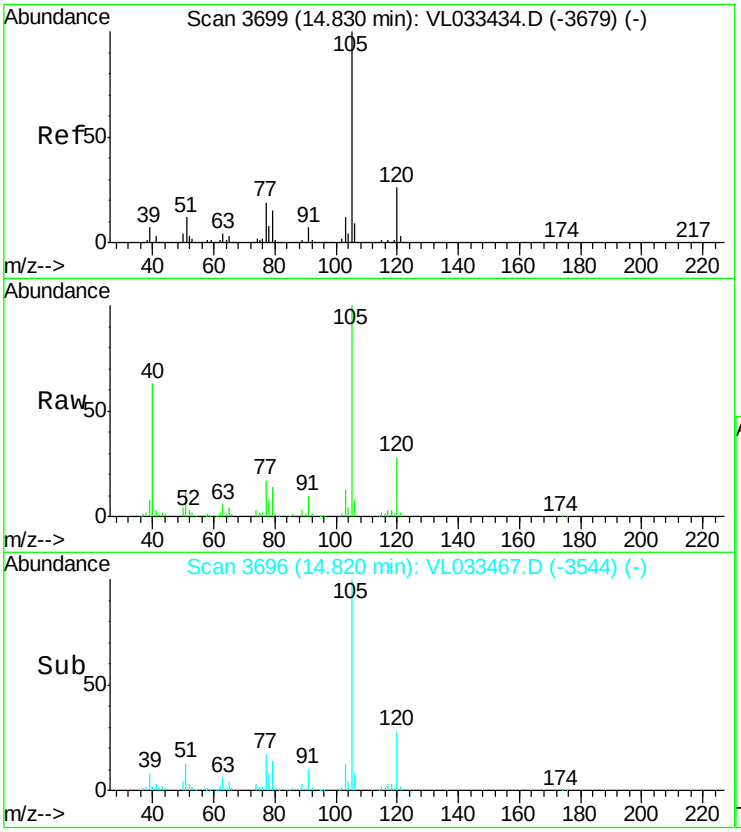


#61
Styrene
Concen: 0.162 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:104 Resp: 24043

Ion	Ratio	Lower	Upper
104	100		
78	107.6	43.2	64.8#
103	84.2	37.8	56.8#



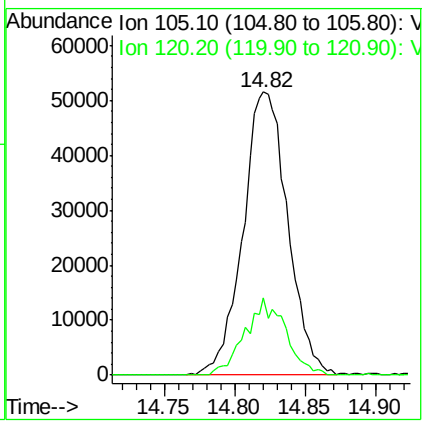


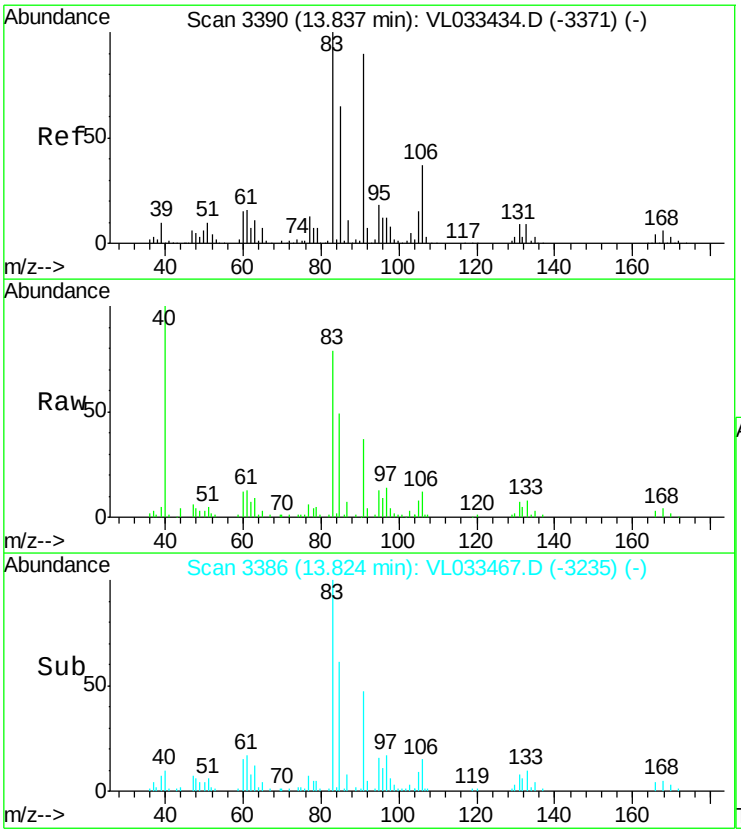
#62
Isopropylbenzene
Concen: 0.373 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 114089

Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.2	30.2

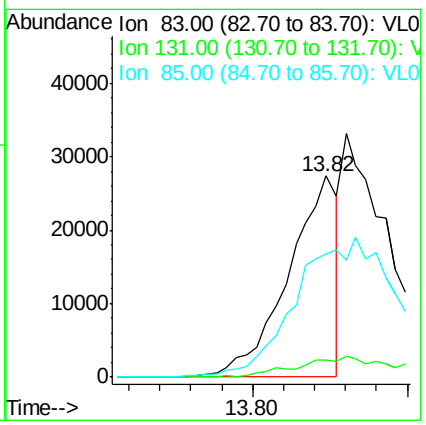


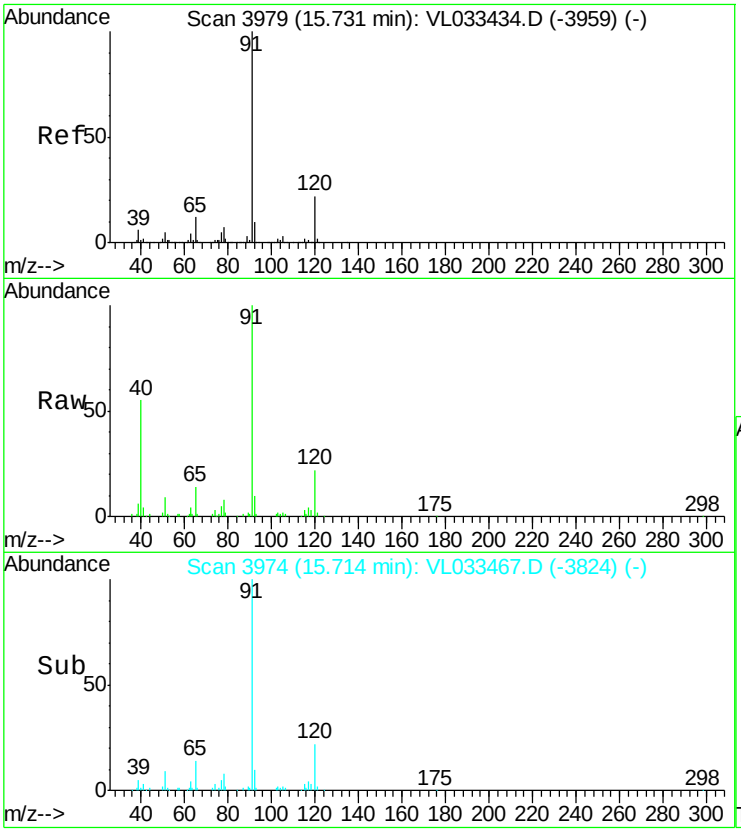


#63
1,1,2,2-Tetrachloroethane
Concen: 0.189 ppbv
RT: 13.82 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 83 Resp: 30051

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	0.0	32.7	98.1#



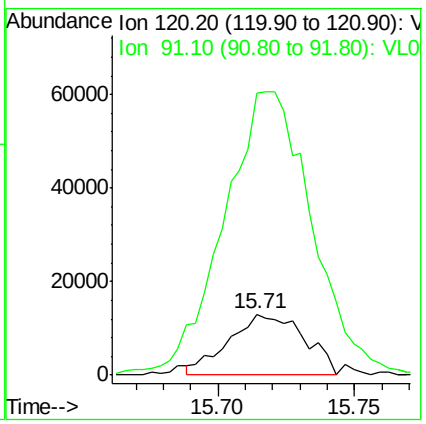


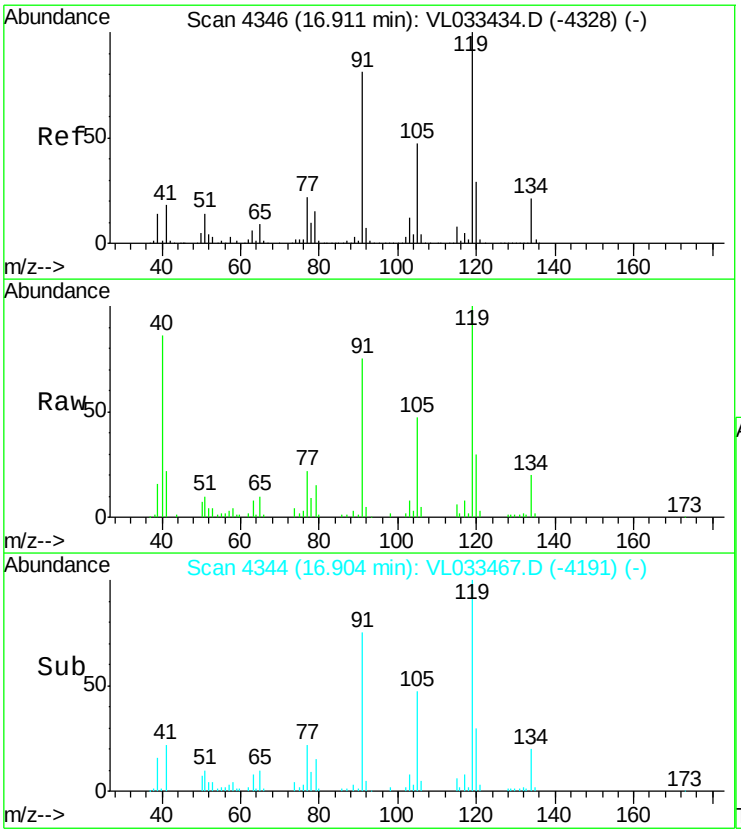
#64
n-propylbenzene
Concen: 0.323 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.02 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 25004

Ion	Ratio	Lower	Upper
120	100		
91	552.4	387.4	581.2

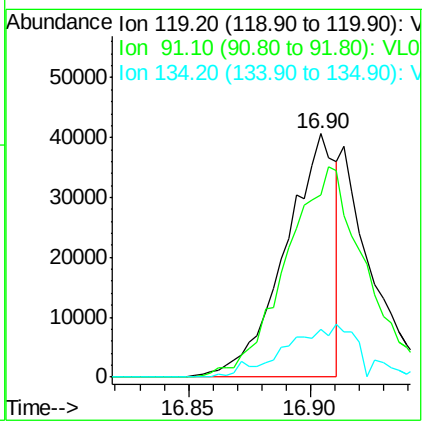


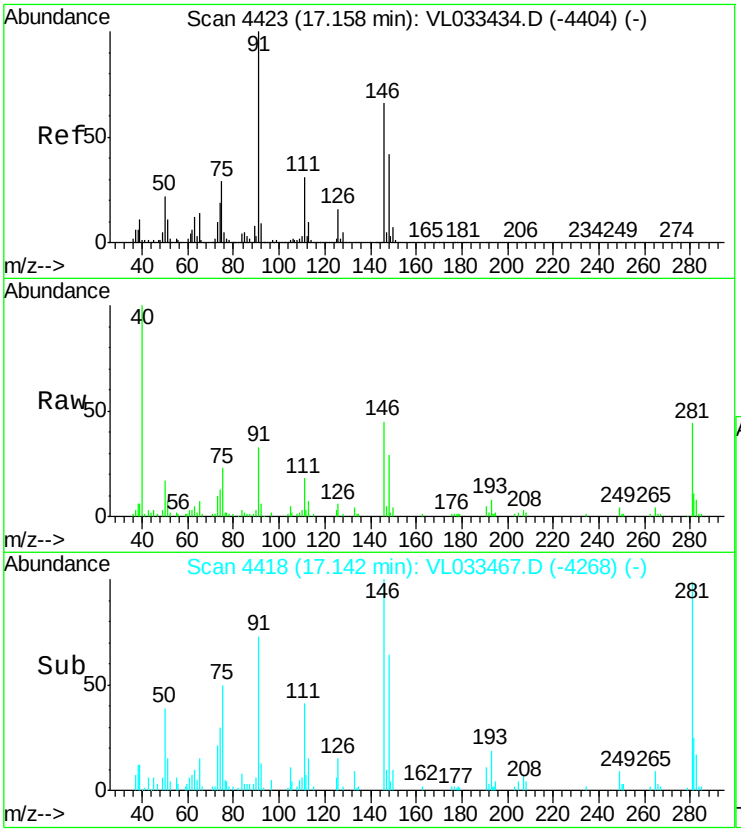


#65
tert-Butylbenzene
Concen: 0.216 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:119 Resp: 58228

Ion	Ratio	Lower	Upper
119	100		
91	0.0	66.4	99.6#
134	0.0	15.5	23.3#



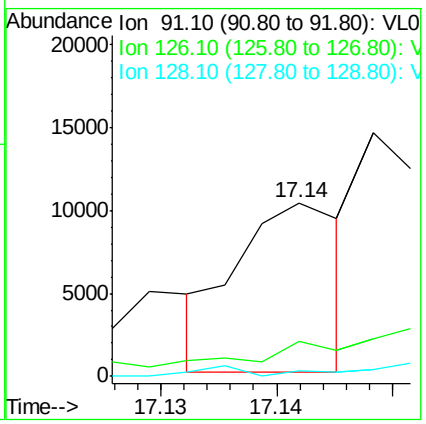


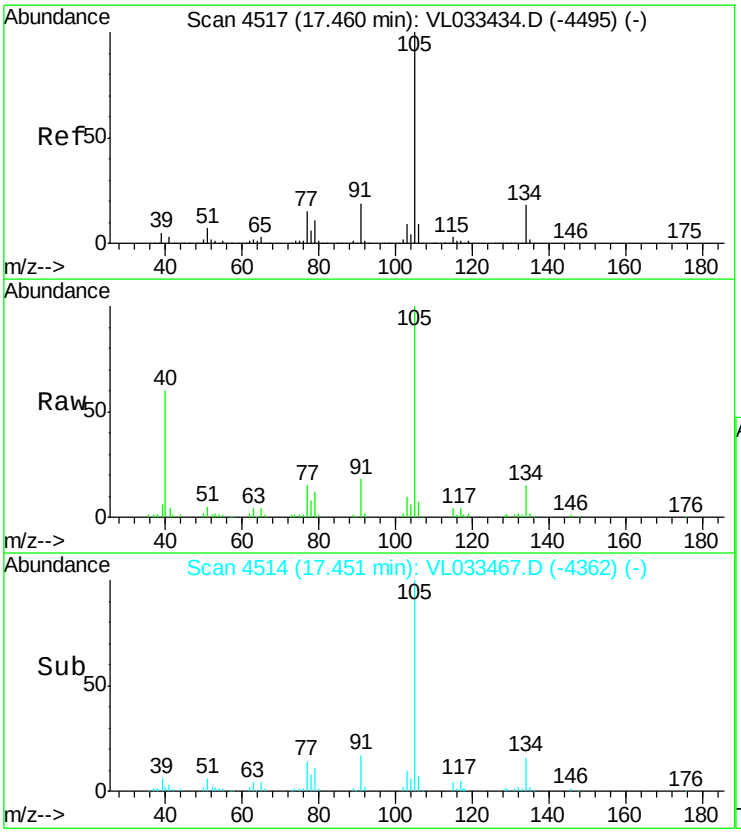
#66
Benzyl Chloride
Concen: 0.052 ppbv
RT: 17.14 min Scan# 4418
Delta R.T. -0.02 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 6500

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.0	19.6#
128	0.0	4.2	6.2#

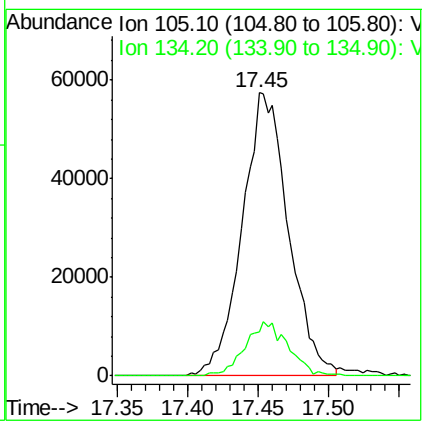


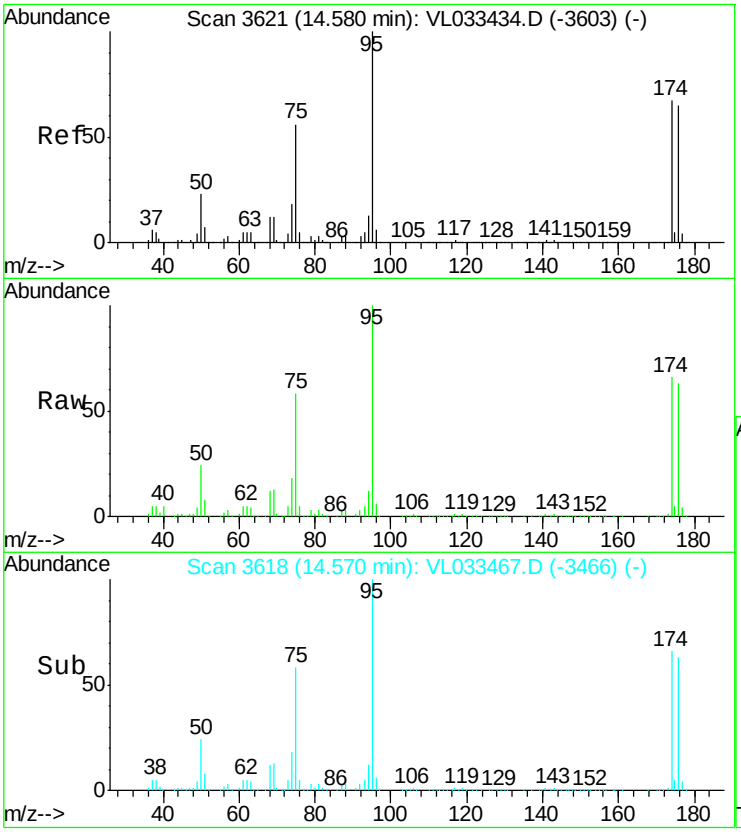


#67
sec-Butylbenzene
Concen: 0.345 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:105 Resp: 132027

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.6	21.8



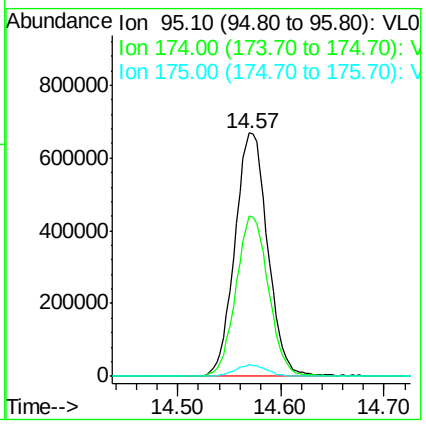


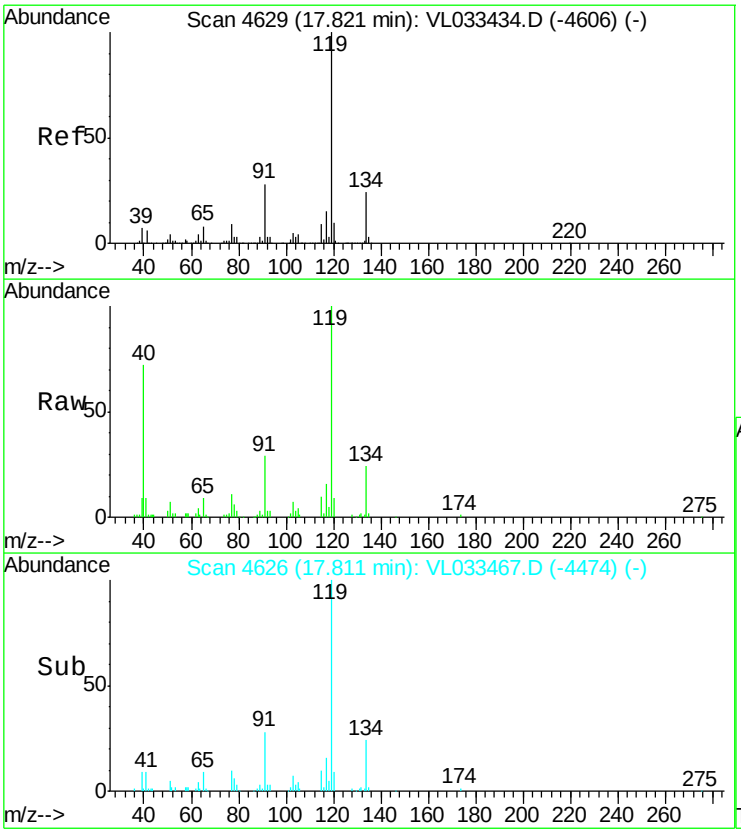
#68
1-Bromo-4-Fluorobenzene
Concen: 10.101 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1481264

Ion	Ratio	Lower	Upper
95	100		
174	65.6	52.9	79.3
175	4.7	3.8	5.6

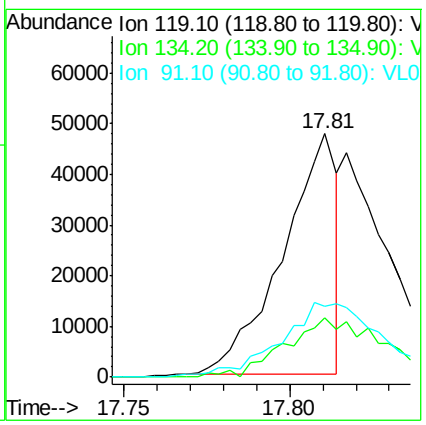


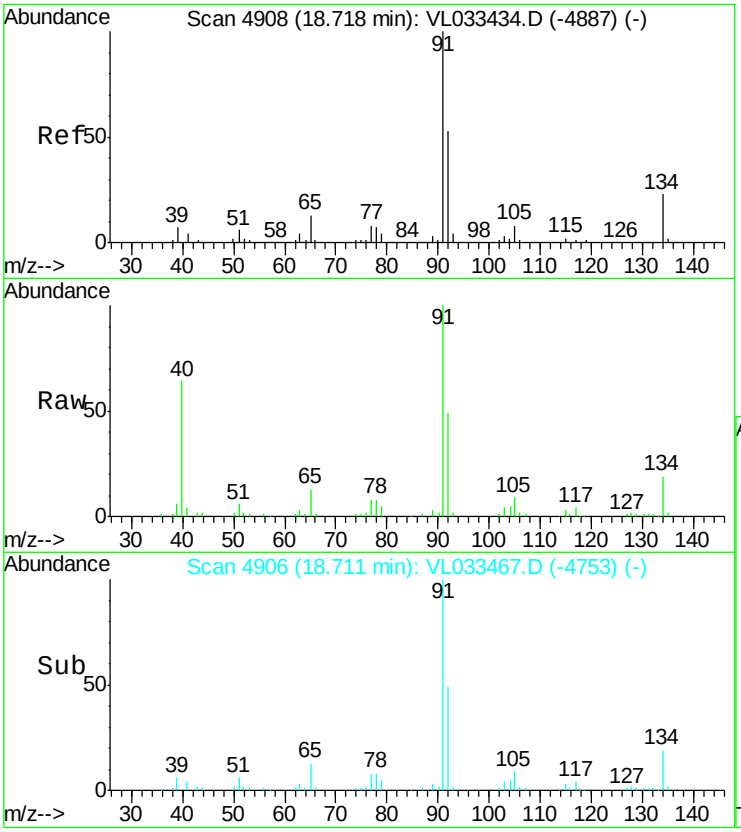


#69
p-Isopropyltoluene
Concen: 0.172 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:119 Resp: 53760

Ion	Ratio	Lower	Upper
119	100		
134	44.1	19.9	29.9#
91	60.1	23.4	35.0#



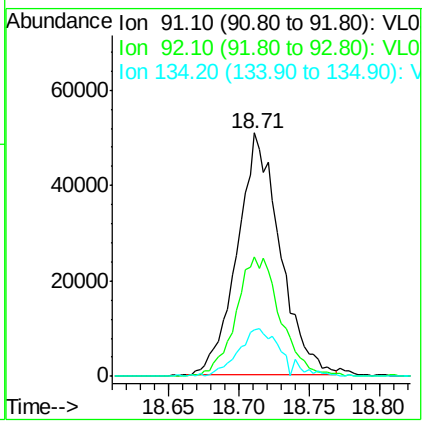


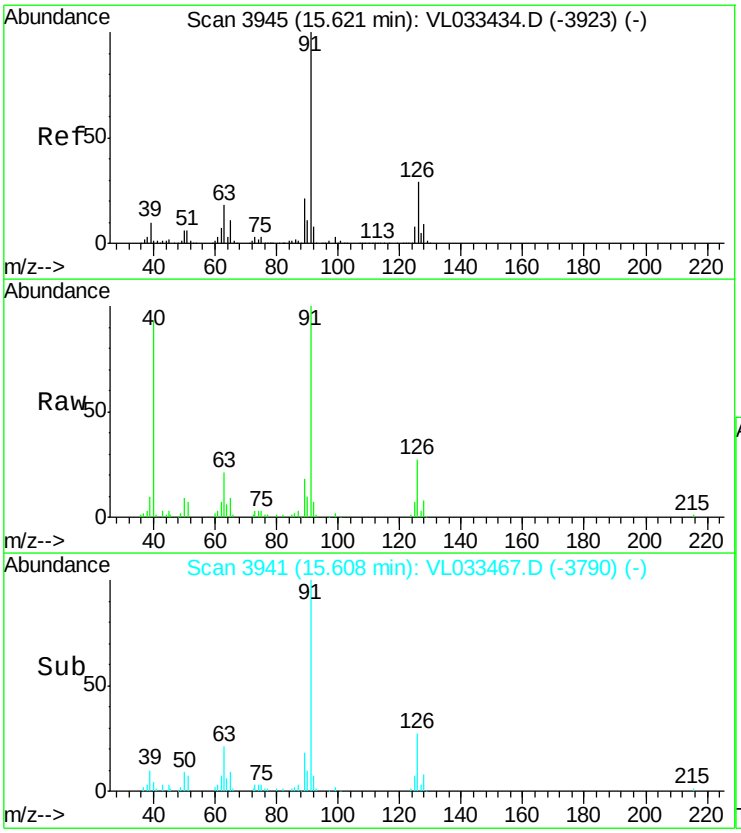
#70
n-Butylbenzene
Concen: 0.325 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 107458

Ion	Ratio	Lower	Upper
91	100		
92	51.3	42.6	64.0
134	20.1	17.5	26.3

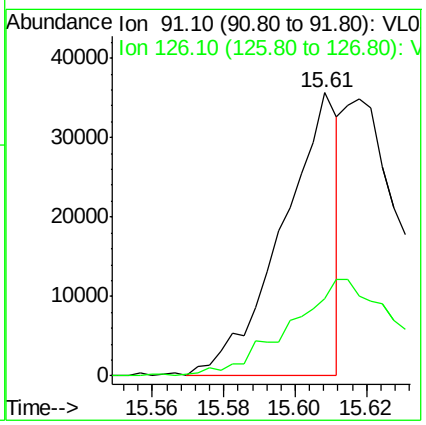


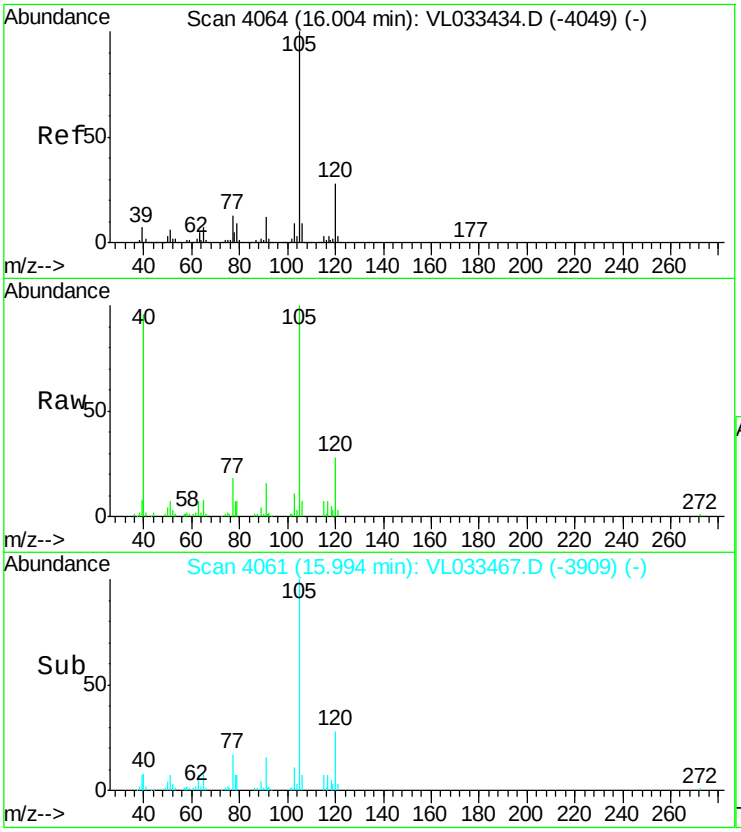


#71
2-Chlorotoluene
Concen: 0.166 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion: 91 Resp: 38677

Ion	Ratio	Lower	Upper
91	100		
126	64.8	11.7	46.9#



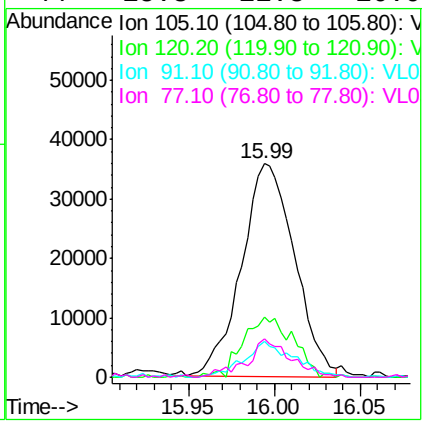


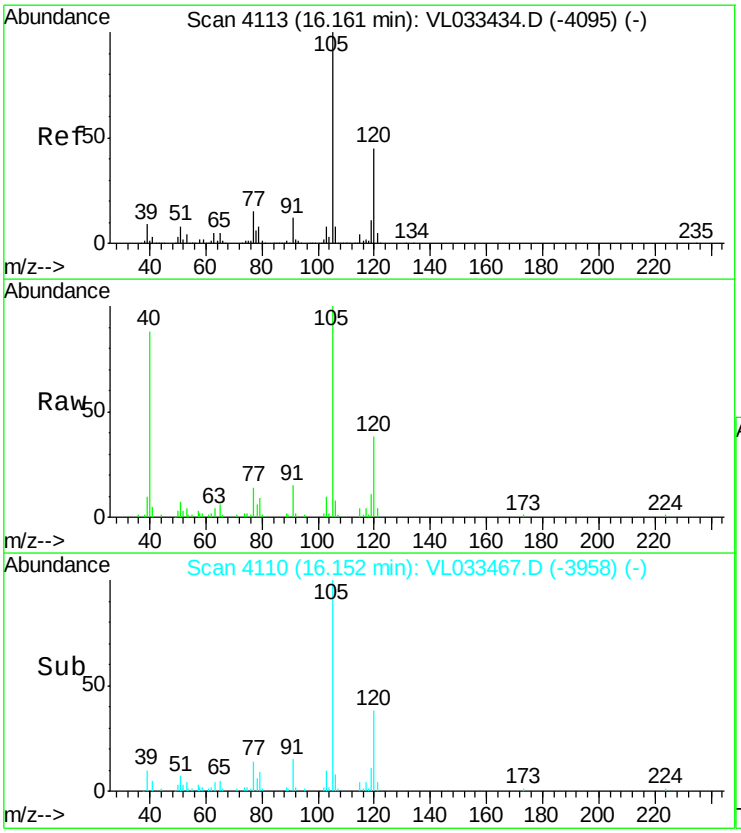
#72
4-Ethyltoluene
Concen: 0.316 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 76567

Ion	Ratio	Lower	Upper
105	100		
120	27.6	23.2	34.8
91	16.4	10.4	15.6#
77	15.3	11.3	16.9

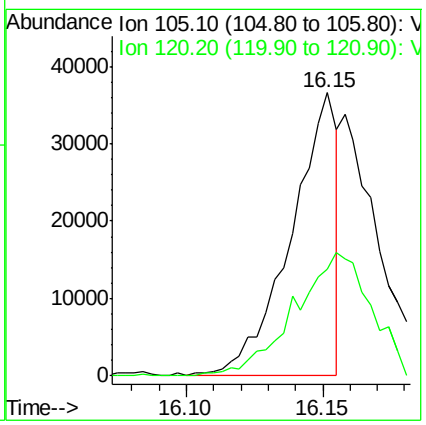


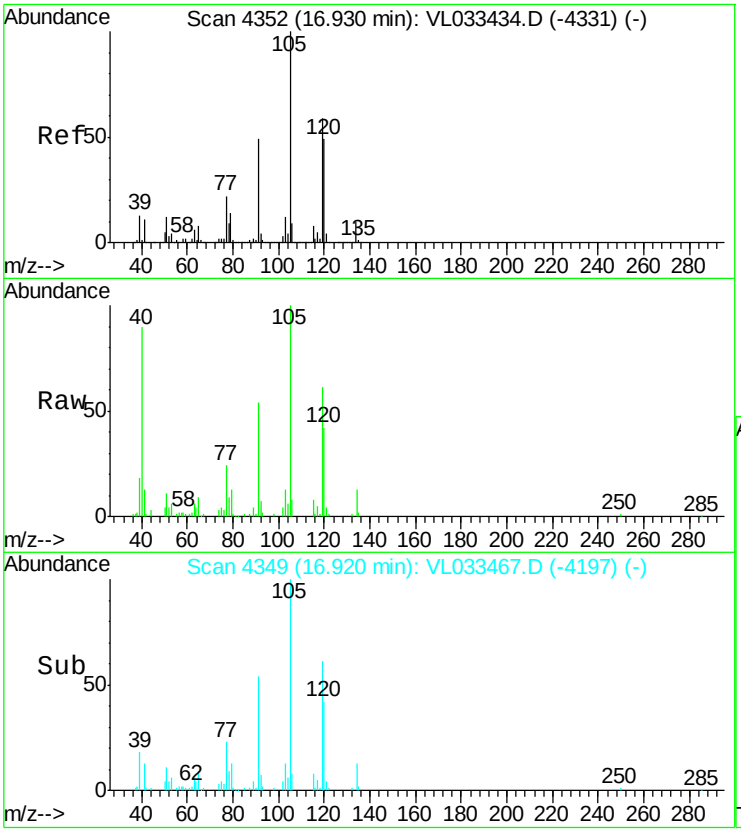


#73
1,3,5-Trimethylbenzene
Concen: 0.185 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:105 Resp: 42926

Ion	Ratio	Lower	Upper
105	100		
120	37.8	35.7	53.5



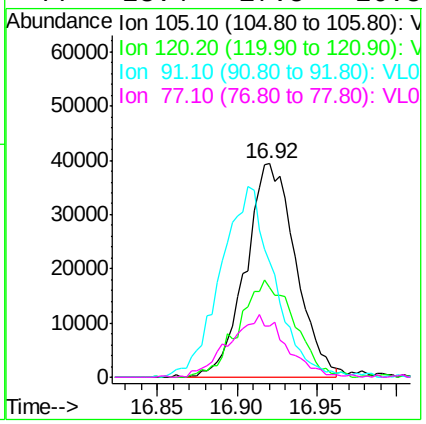


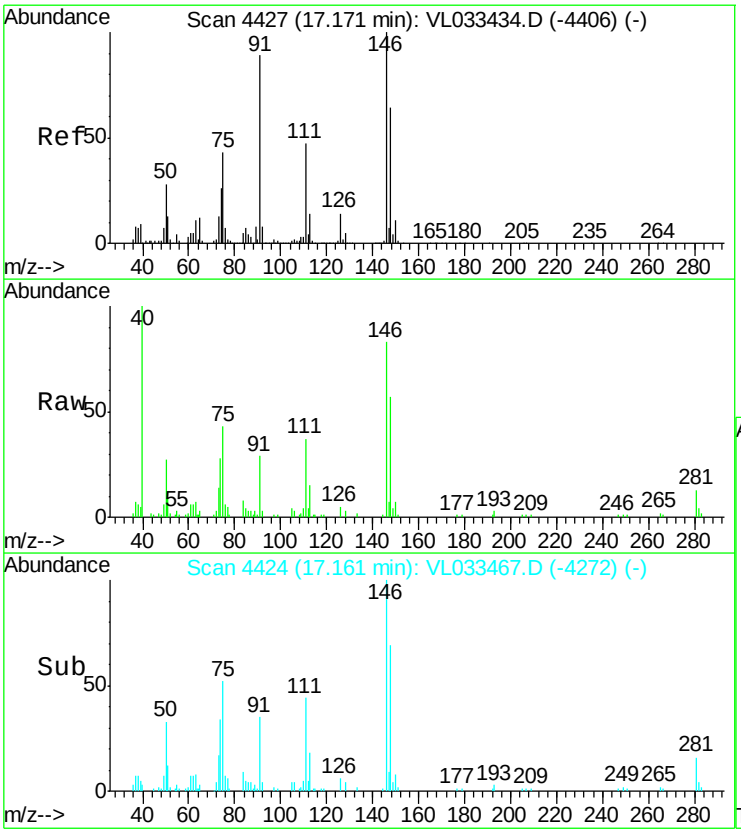
#74
1,2,4-Trimethylbenzene
Concen: 0.340 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 84621

Ion	Ratio	Lower	Upper
105	100		
120	42.1	39.0	58.6
91	51.9	40.0	60.0
77	23.4	17.5	26.3

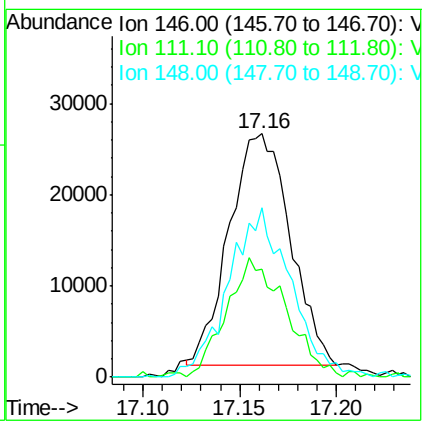


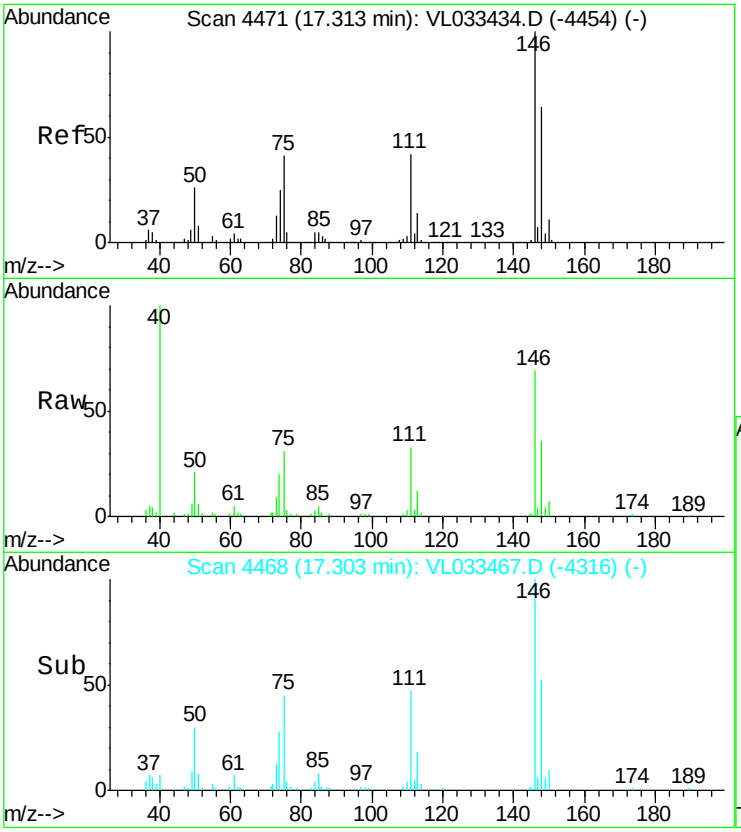


#75
1,3-Dichlorobenzene
Concen: 0.364 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:146 Resp: 55961

Ion	Ratio	Lower	Upper
146	100		
111	51.1	22.9	68.8
148	74.7	32.0	96.2



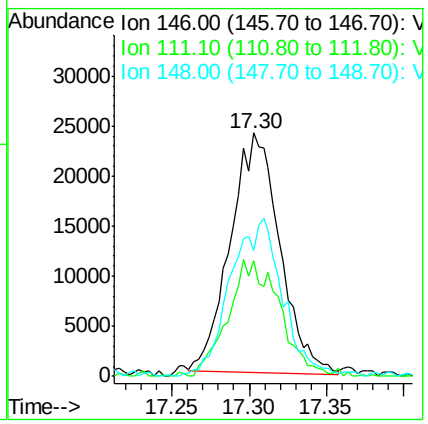


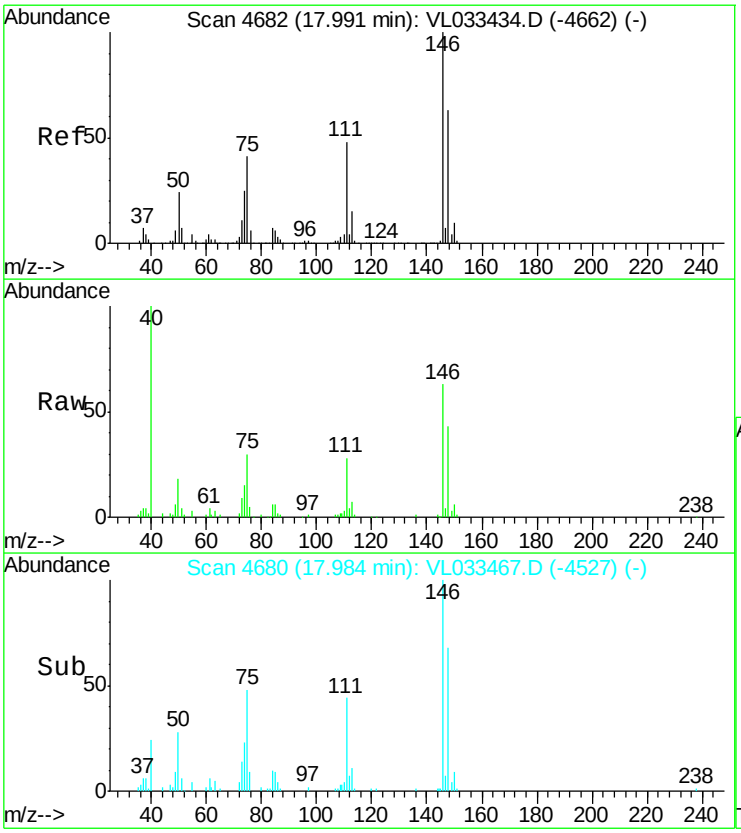
#76
1,4-Dichlorobenzene
Concen: 0.357 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 53504

Ion	Ratio	Lower	Upper
146	100		
111	51.0	21.7	65.1
148	70.1	32.0	96.2

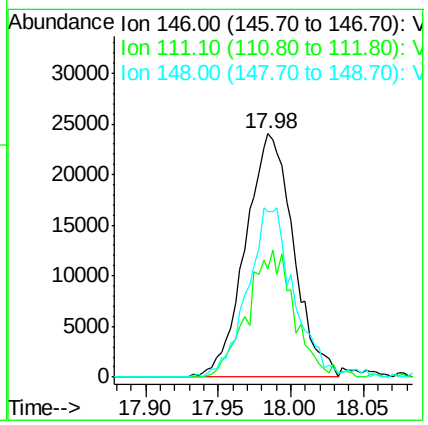


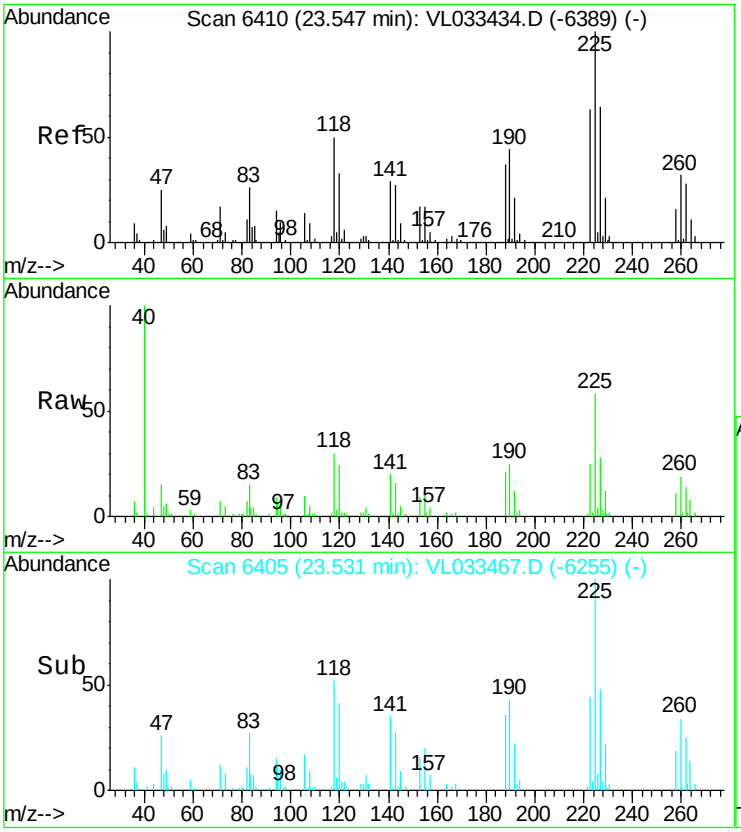


#77
1,2-Dichlorobenzene
Concen: 0.379 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:146 Resp: 55294

Ion	Ratio	Lower	Upper
146	100		
111	51.3	23.5	70.5
148	67.7	32.0	96.0



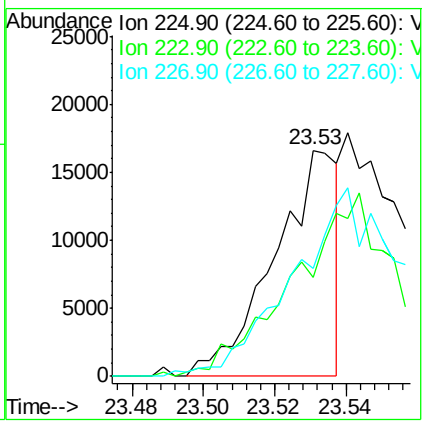


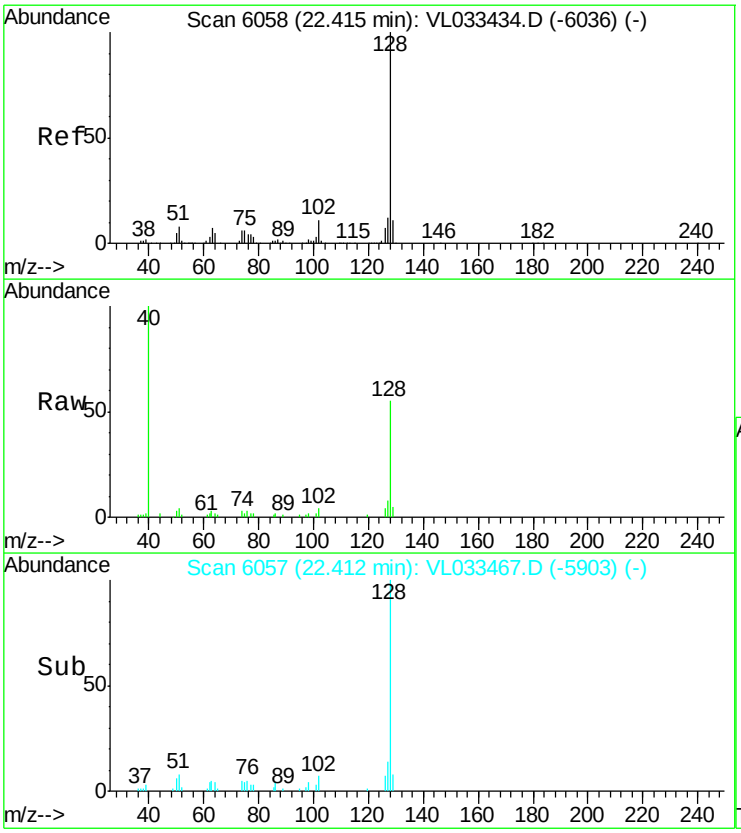
#78
Hexachloro-1,3-Butadiene
Concen: 0.212 ppbv
RT: 23.53 min Scan# 6405
Delta R.T. -0.02 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 20428

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.0	75.0#
227	0.0	51.1	76.7#

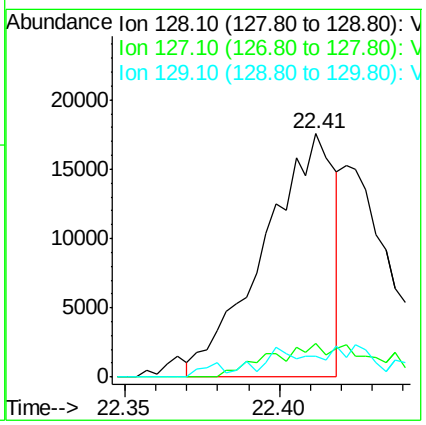


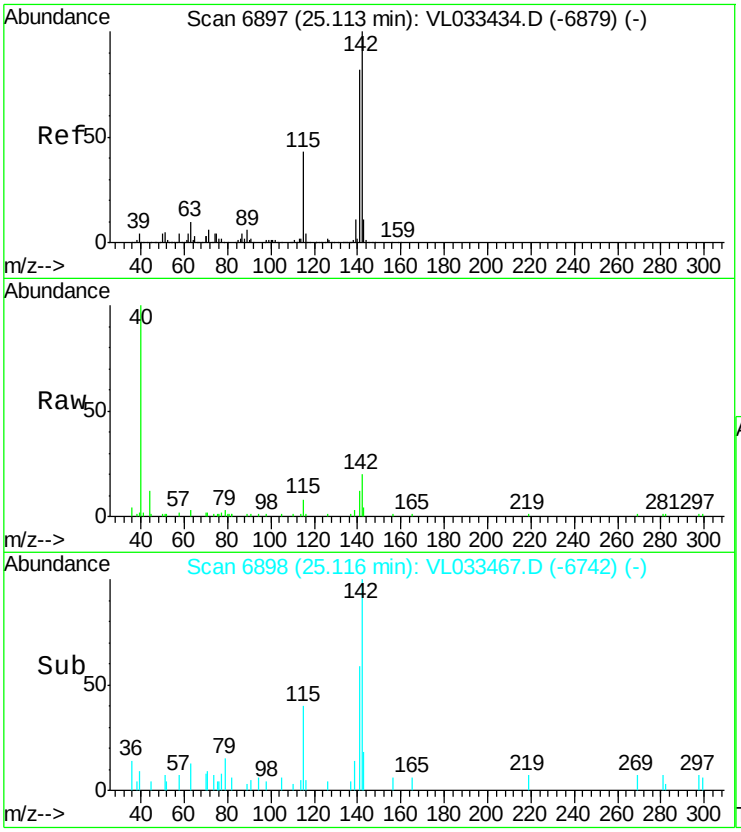


#79
Naphthalene
Concen: 0.131 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. -0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:128 Resp: 27808

Ion	Ratio	Lower	Upper
128	100		
127	14.7	9.8	14.8
129	9.0	8.6	12.8



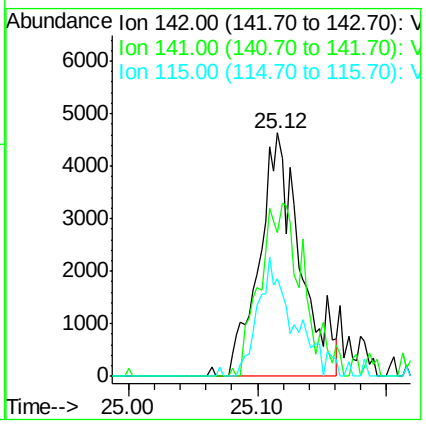


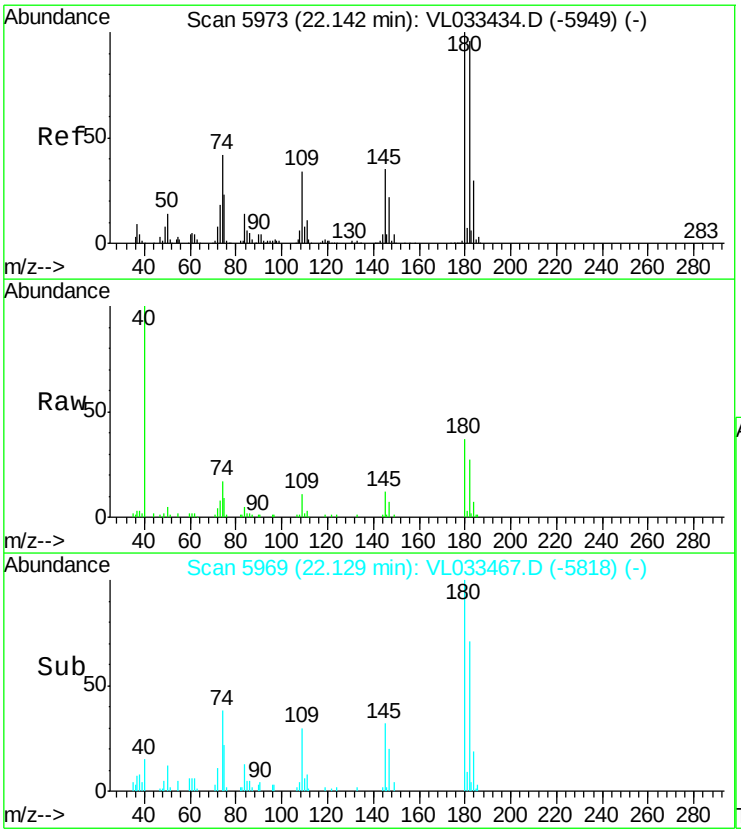
#80
Naphthalene,2-methyl-
Concen: 0.143 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 10187

Ion	Ratio	Lower	Upper
142	100		
141	78.6	66.6	99.8
115	44.0	34.4	51.6





#81
1,2,4-Trichlorobenzene
Concen: 0.020 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033467.D
Acq: 27 Mar 2019 14:08

Tgt Ion:180 Resp: 2409

Ion	Ratio	Lower	Upper
180	100		
182	1374.0	77.0	115.4#
184	458.2	24.6	36.8#