Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041218\

Quantitation Report (Not Reviewed)

Data File : VL031875.D
Acq On : 12 Apr 2018 21:25
Operator : SY/AP
Sample : J2191-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Quant Time: Apr 14 01:38:07 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.89	49	1153037	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.43	114	2286088	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.39	117	2367207	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.73	95	1890959	9.93	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.17	85	232049	0.98	ppbv		100
3) Chlorodifluoromethane	3.10	51	52802	0.39	ppbv	#	88
4) Chloromethane	3.26	50	20921	0.31	ppbv		98
5) Vinyl Chloride	3.39	62	51228	0.66	ppbv		99
7) Chloroethane	3.70	64	85177	2.77	ppbv		95
8) Dichlorotetrafluoroethane	3.35	85	6097	0.03	ppbv	#	81
9) Propene	3.33	41	43595	0.94	ppbv		83
11) Trichlorofluoromethane	4.11	101	1292444	5.54	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.67	101	482725	3.19	ppbv		98
13) Ethanol	3.76	45	22084	1.40	ppbv	#	28
15) Acetone	4.01	43	1510574	8.51	ppbv		98
16) 1,3-Butadiene	3.43	39	54688	0.83	ppbv	#	18
18) 1,1-Dichloroethene	4.46	96	6372	0.10	ppbv	#	72
20) Methylene Chloride	4.52	84	2703415	41.83	ppbv		98
22) trans-1,2-Dichloroethene	5.08	96	7932	0.12	ppbv	#	70
23) Vinyl Acetate	5.27	43	7686	0.04	ppbv	#	34
24) 1,1-Dichloroethane	5.22	63	4606371	25.69	ppbv		99
25) Ethyl Acetate	5.91	43	230104	0.83	ppbv	#	78
26) Hexane	5.91	57	328741	2.55	ppbv	#	45
31) cis-1,2-Dichloroethene	5.77	61	2056789	17.59	ppbv		99
32) 1,1,1-Trichloroethane	6.76	97	4160158	19.53	ppbv		100
34) 2-Butanone	5.47	43	49382	0.31	ppbv		97
35) Carbon Tetrachloride	7.27	117	7082	0.04	ppbv	#	51
36) Benzene	7.14	78	247735	1.20	ppbv		97
37) 1,2-Dichloroethane	6.76	62	298387	1.95	ppbv	#	1
38) Trichloroethene	8.11	130	1610085	19.29	ppbv		97
39) 1,2-Dichloropropane	7.43	63	611307	8.00	ppbv	#	22
44) 2,2,4-Trimethylpentane	8.13	57	20062	0.06	ppbv	#	46
52) Tetrachloroethene	11.53	164	69226	0.86	ppbv	#	87
53) Toluene	10.10	91	68721	0.30	ppbv		95
60) o-Xylene	14.01	91	10661	0.04	ppbv		79
62) Isopropylbenzene	14.98	105	70642	0.19	ppbv		99
80) Naphthalene,2-methyl-	25.26	142	3112	0.10	ppbv	#	61

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

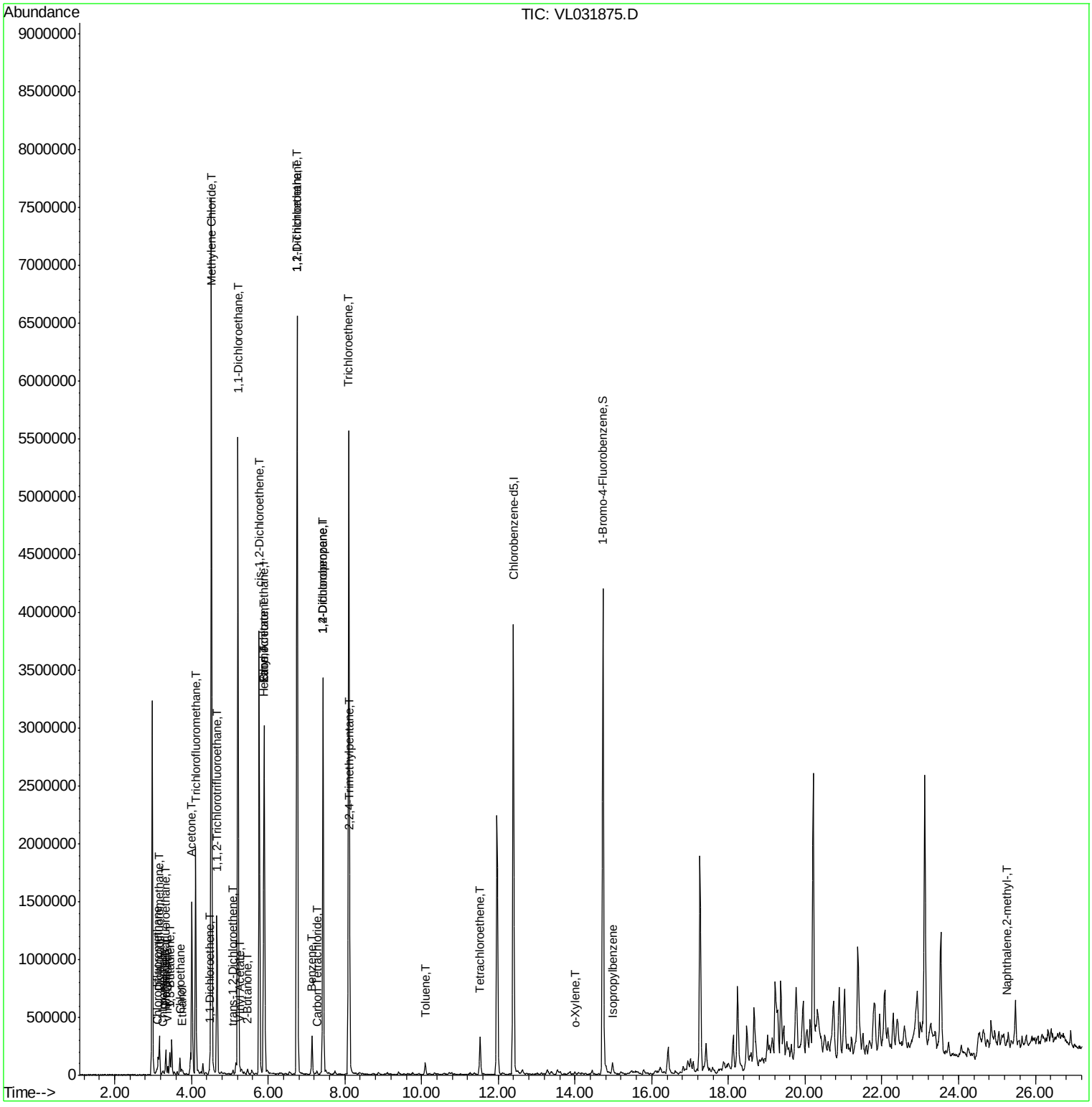
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041218\

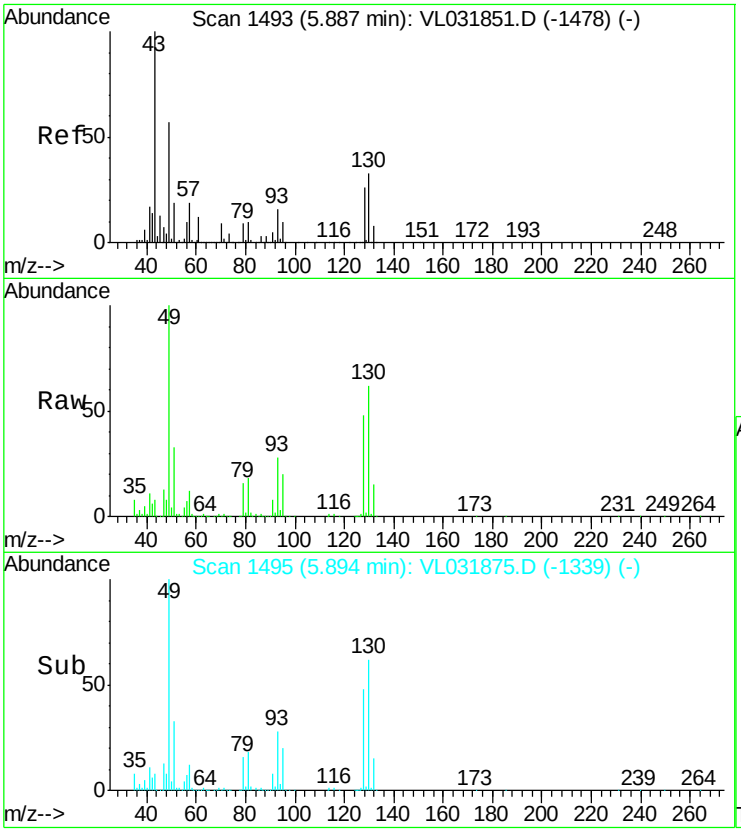
Quantitation Report (Not Reviewed)

Data File : VL031875.D
Acq On : 12 Apr 2018 21:25
Operator : SY/AP
Sample : J2191-06
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Quant Time: Apr 14 01:38:07 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration



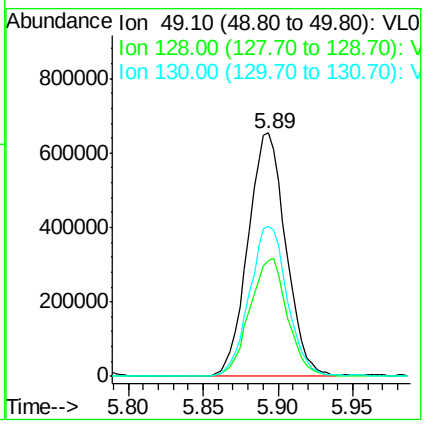


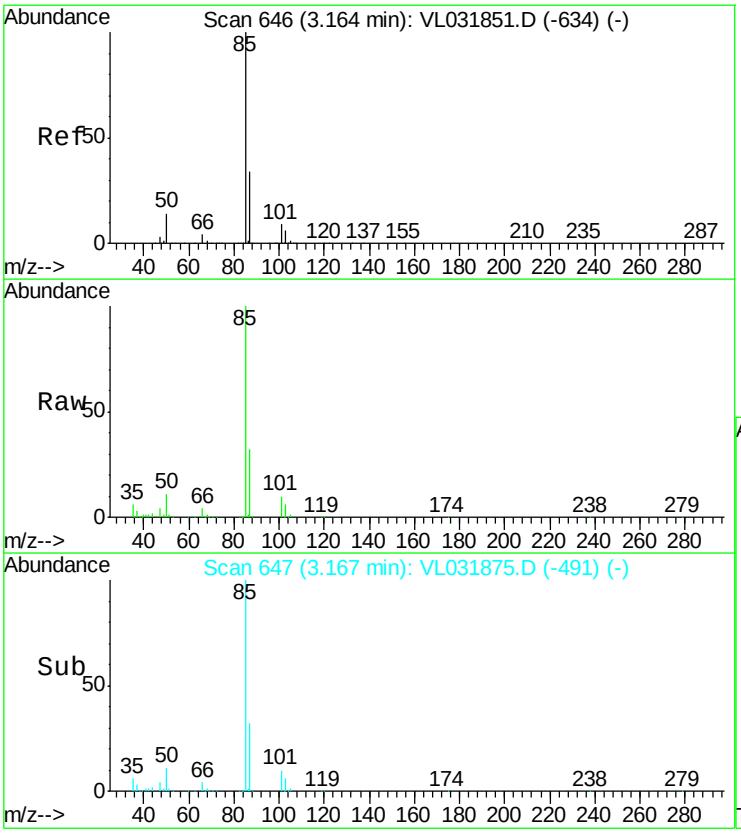
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion: 49 Resp: 1153037

Ion	Ratio	Lower	Upper
49	100		
128	48.5	23.9	71.7
130	62.2	30.9	92.7

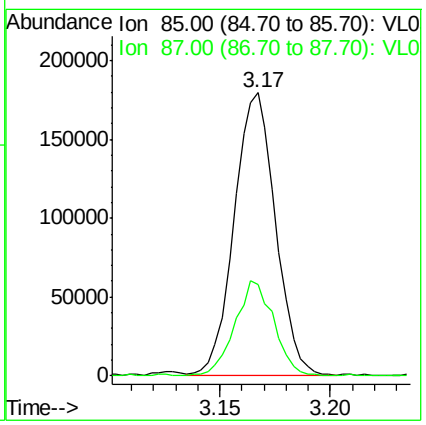


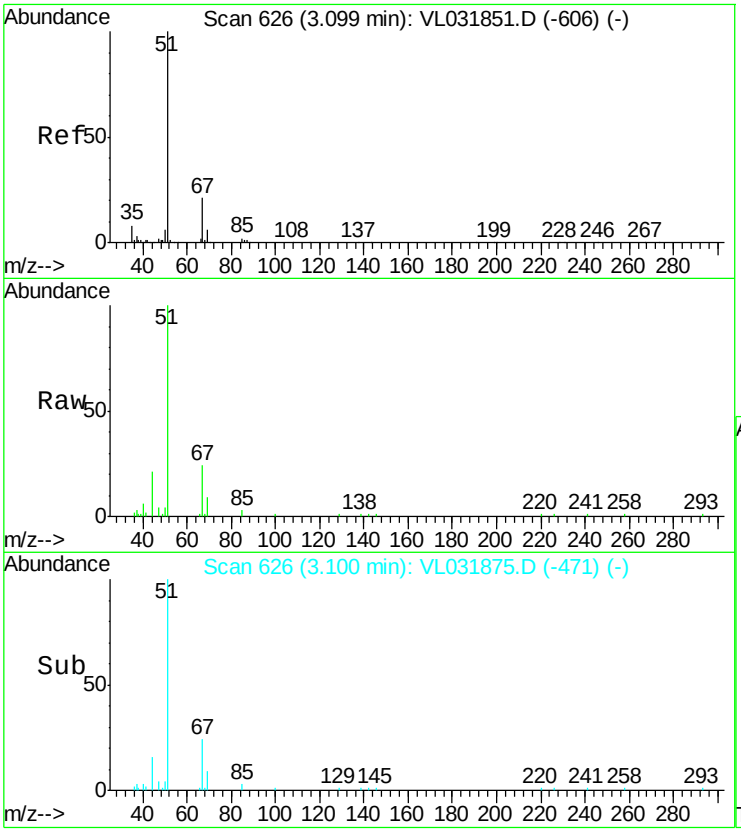


#2
Dichlorodifluoromethane
Concen: 0.98 ppbv
RT: 3.17 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 85 Resp: 232049

Ion	Ratio	Lower	Upper
85	100		
87	32.2	25.9	38.9



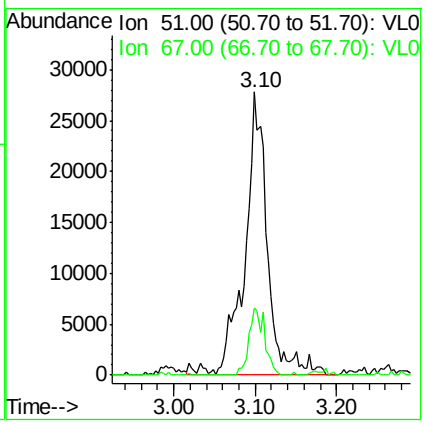


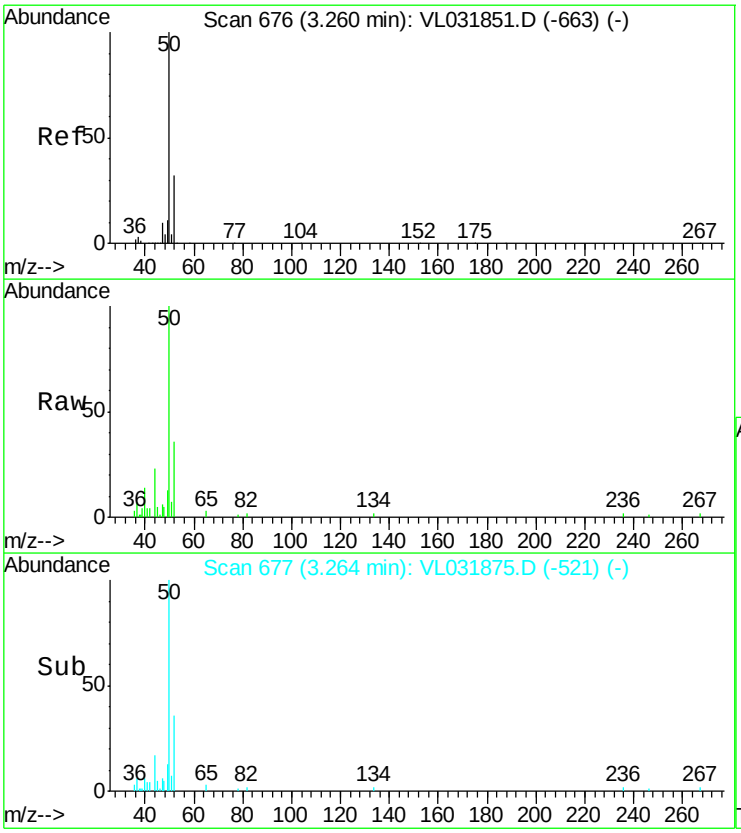
#3
Chlorodifluoromethane
Concen: 0.39 ppbv
RT: 3.10 min Scan# 626
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion: 51 Resp: 52802

Ion	Ratio	Lower	Upper
51	100		
67	16.1	17.5	26.3#

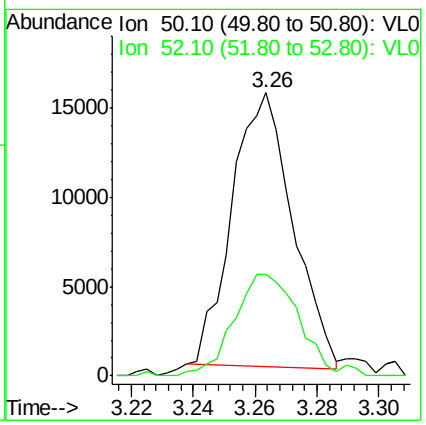


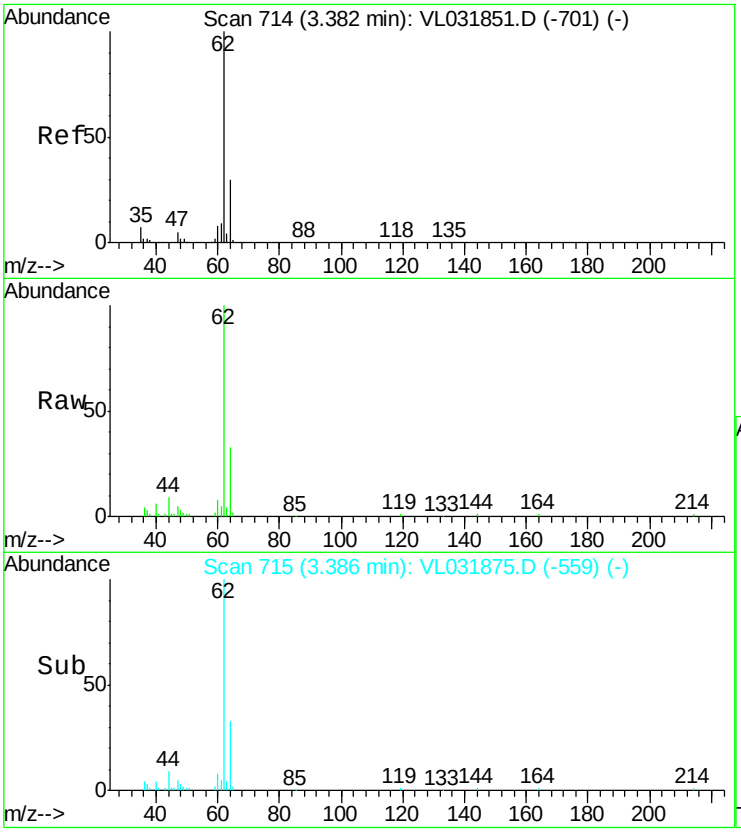


#4
Chloromethane
Concen: 0.31 ppbv
RT: 3.26 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 50 Resp: 20921

Ion	Ratio	Lower	Upper
50	100		
52	36.1	28.1	42.1



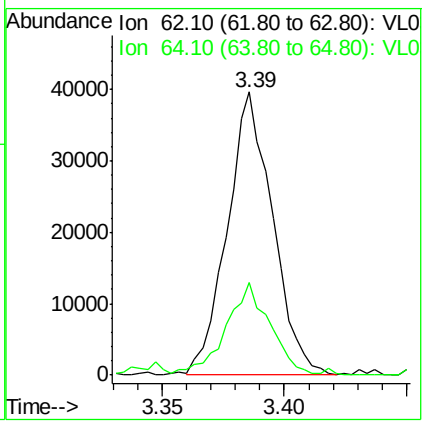


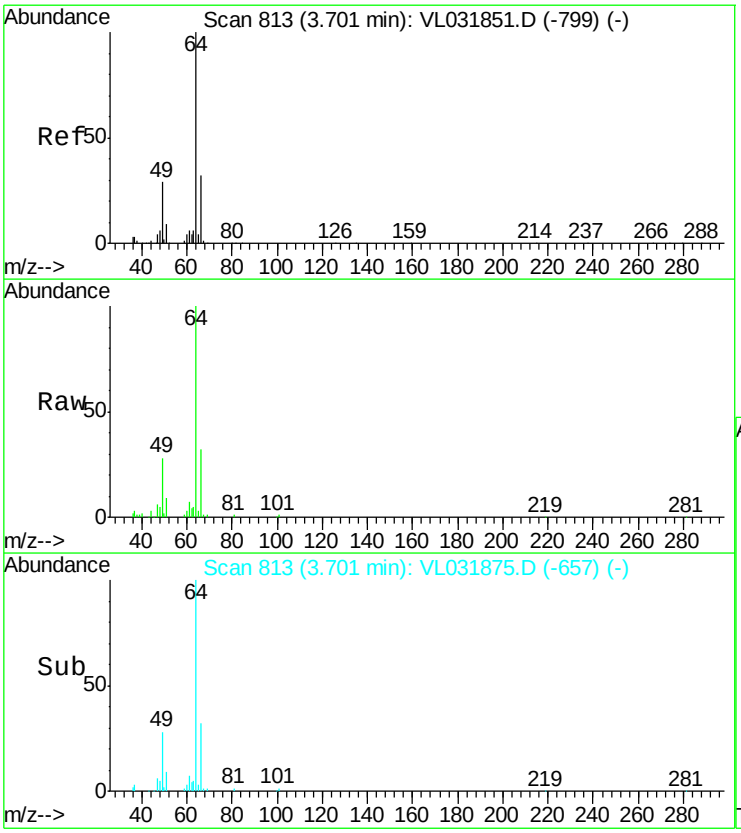
#5
Vinyl Chloride
Concen: 0.66 ppbv
RT: 3.39 min Scan# 715
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Tgt Ion: 62 Resp: 51228

Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.9	38.9

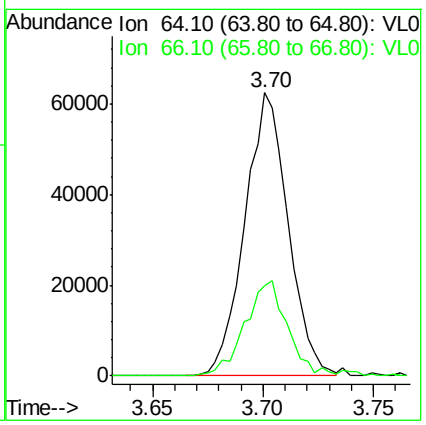


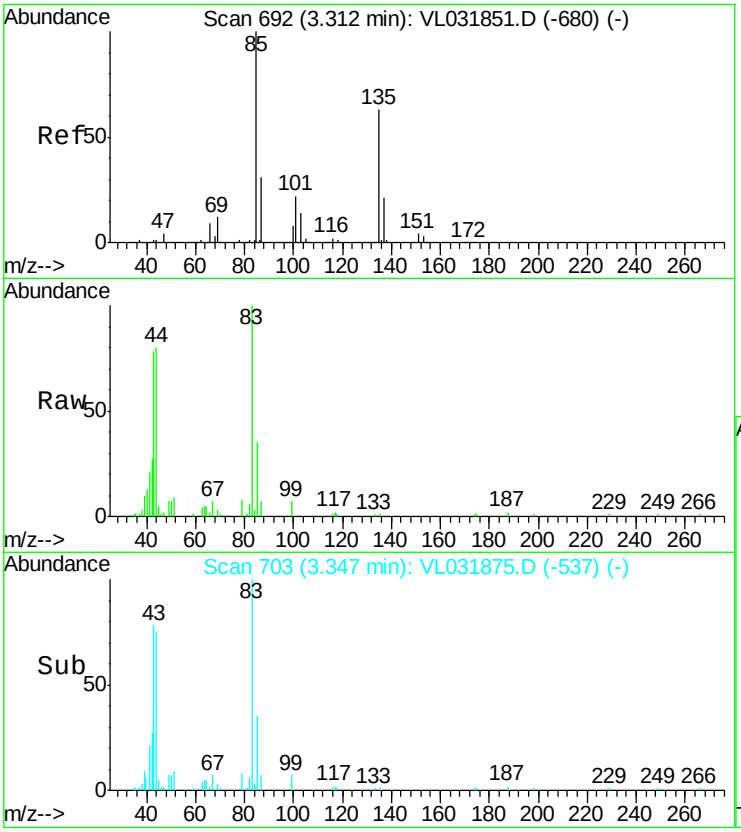


#7
Chloroethane
Concen: 2.77 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 64 Resp: 85177

Ion	Ratio	Lower	Upper
64	100		
66	31.8	23.4	35.0



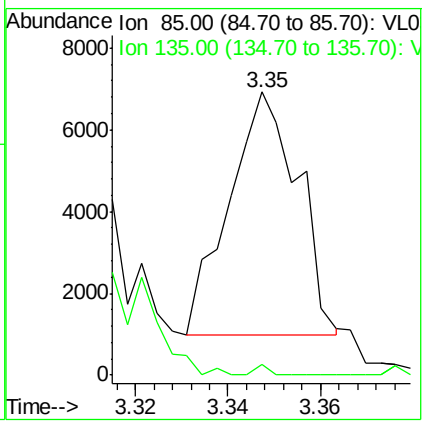


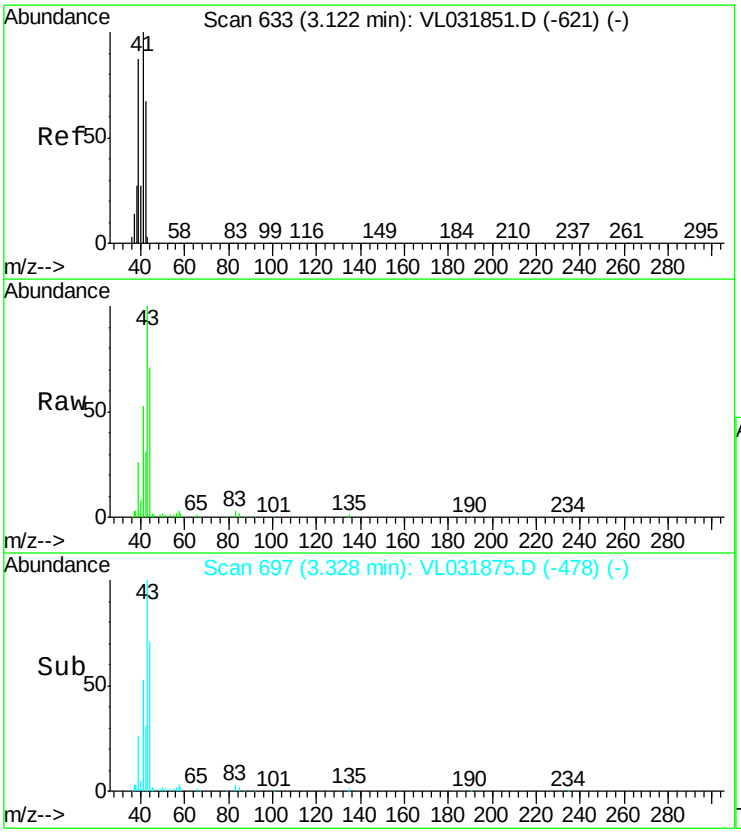
#8
Dichlorotetrafluoroethane
Concen: 0.03 ppbv
RT: 3.35 min Scan# 703
Delta R.T. 0.04 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion: 85 Resp: 6097

Ion	Ratio	Lower	Upper
85	100		
135	50.6	52.7	79.1#

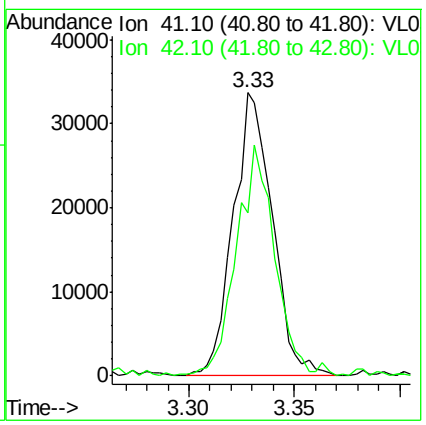


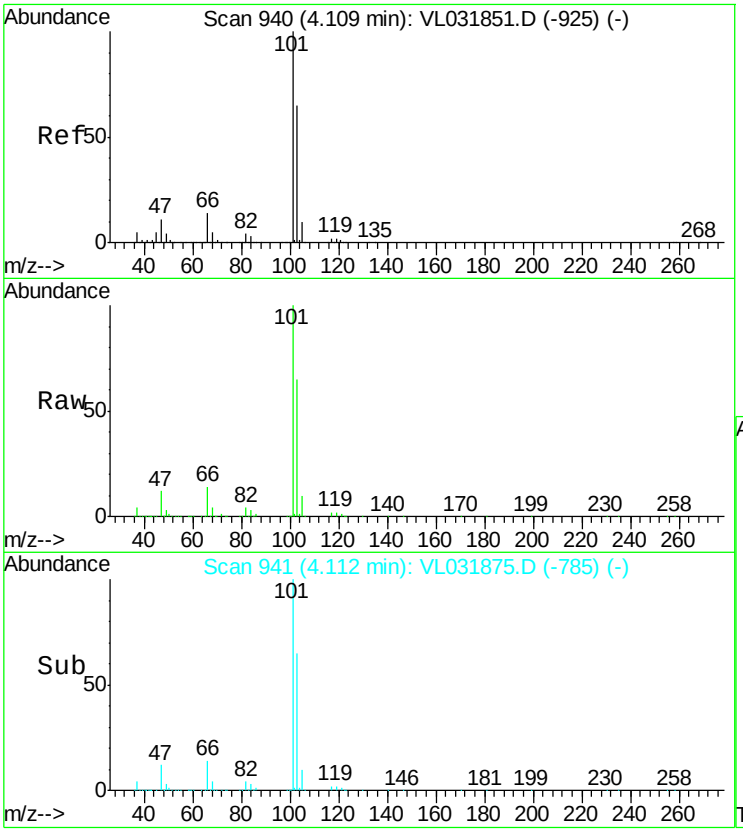


#9
Propene
Concen: 0.94 ppbv
RT: 3.33 min Scan# 697
Delta R.T. 0.21 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 41 Resp: 43595

Ion	Ratio	Lower	Upper
41	100		
42	82.3	55.0	82.4



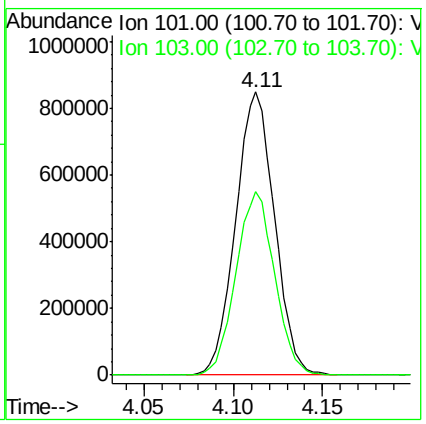


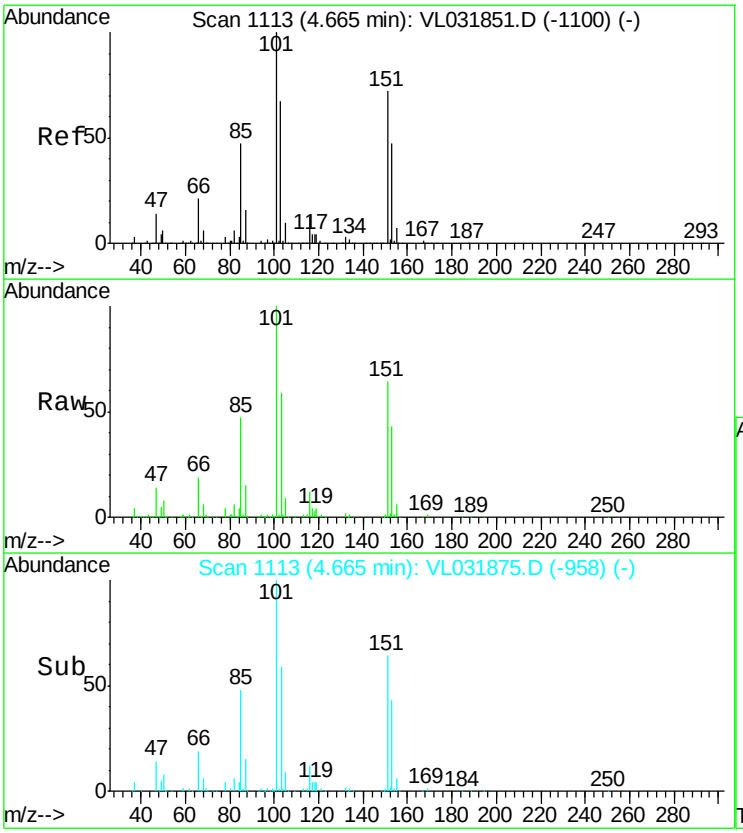
#11
Trichlorofluoromethane
Concen: 5.54 ppbv
RT: 4.11 min Scan# 941
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion:101 Resp: 1292444

Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.8

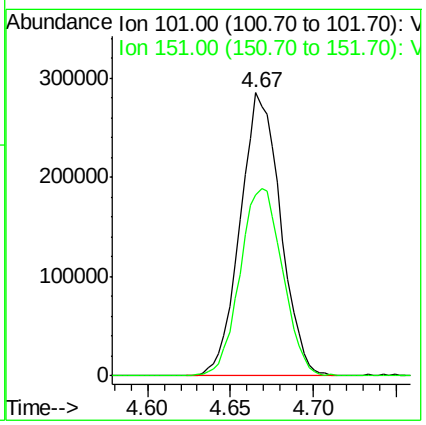


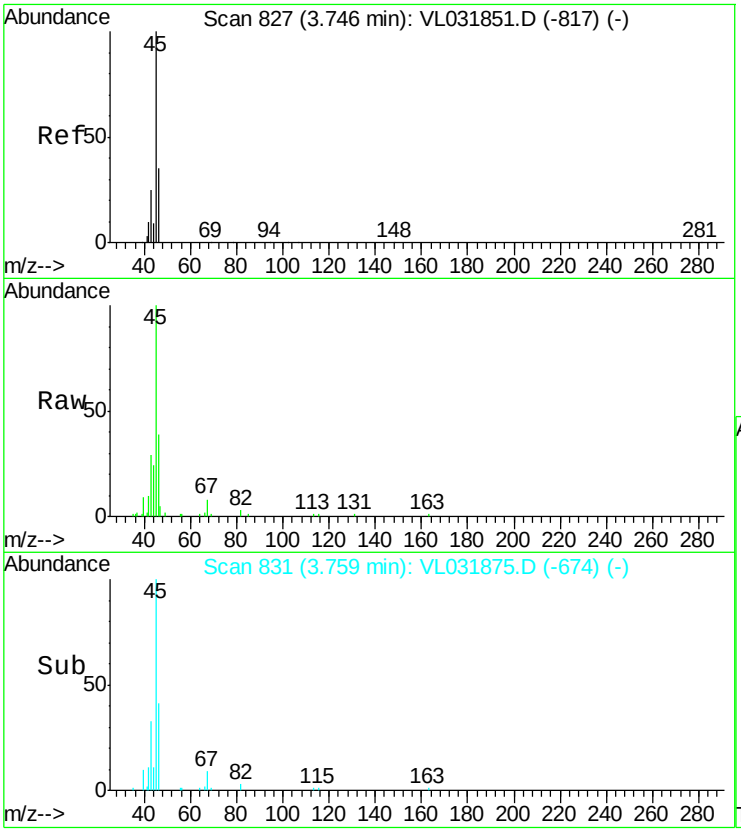


#12
1,1,2-Trichlorotrifluoroethane
Concen: 3.19 ppbv
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion:101 Resp: 482725

Ion	Ratio	Lower	Upper
101	100		
151	69.8	57.0	85.6



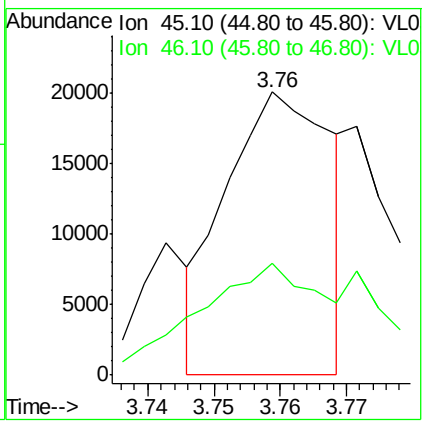


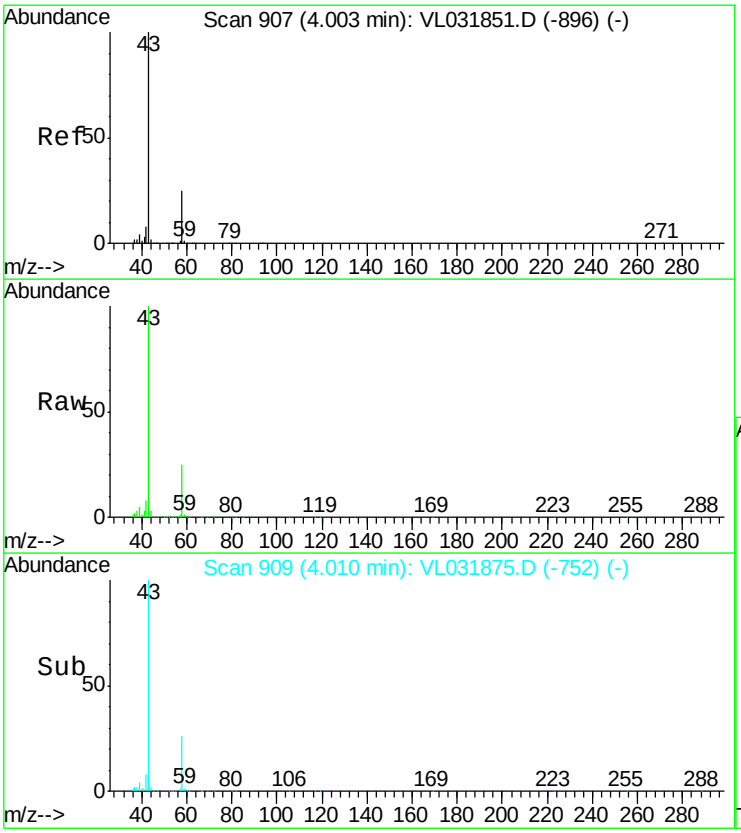
#13
Ethanol
Concen: 1.40 ppbv
RT: 3.76 min Scan# 831
Delta R.T. 0.01 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Tgt Ion: 45 Resp: 22084

Ion	Ratio	Lower	Upper
45	100		
46	79.2	14.6	58.6#

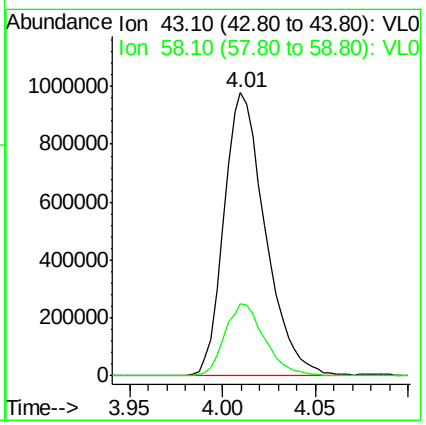


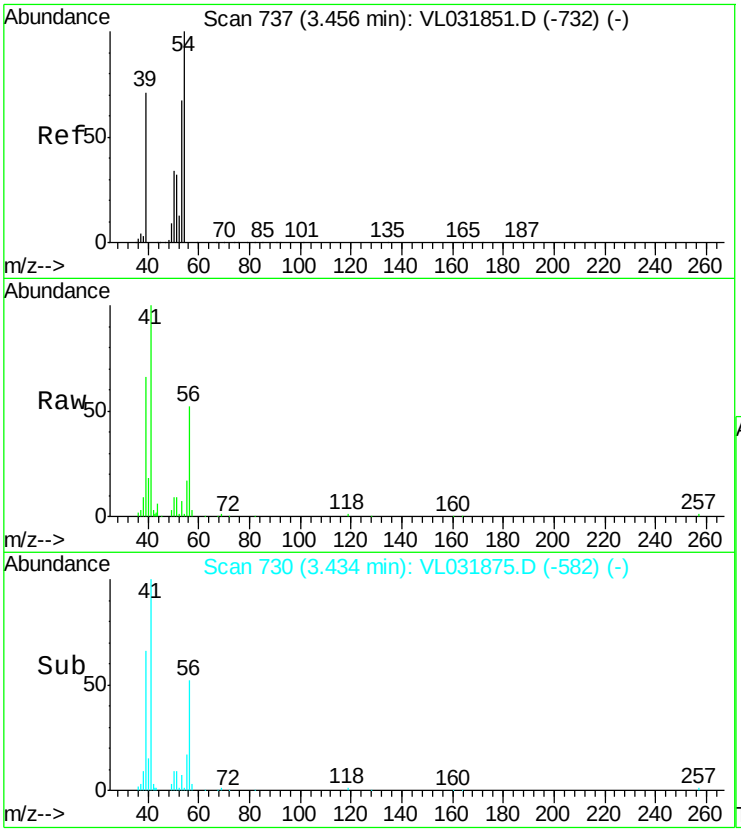


#15
Acetone
Concen: 8.51 ppbv
RT: 4.01 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 43 Resp: 1510574

Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.9	31.3



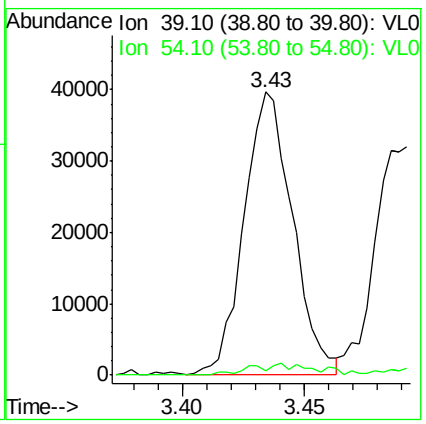


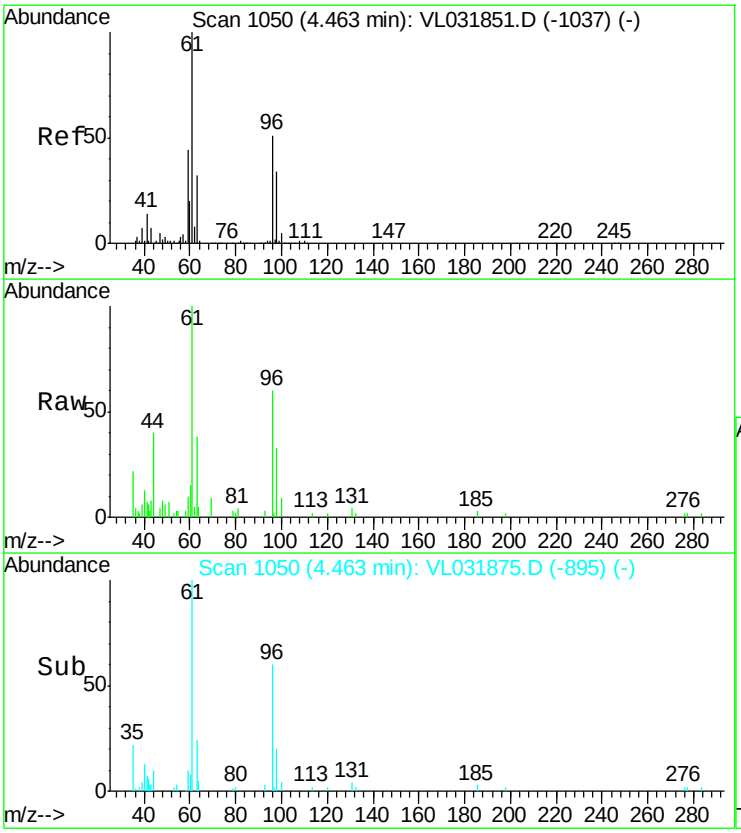
#16
1,3-Butadiene
Concen: 0.83 ppbv
RT: 3.43 min Scan# 730
Delta R.T. -0.02 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Tgt Ion: 39 Resp: 54688

Ion	Ratio	Lower	Upper
39	100		
54	7.0	63.3	94.9#

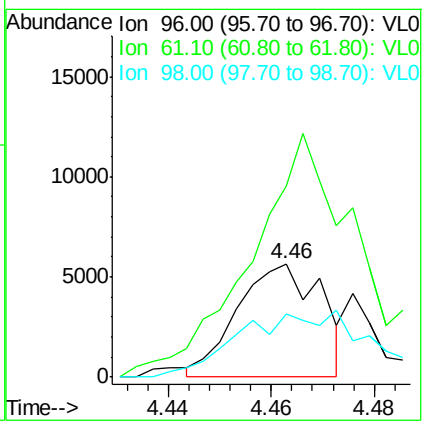


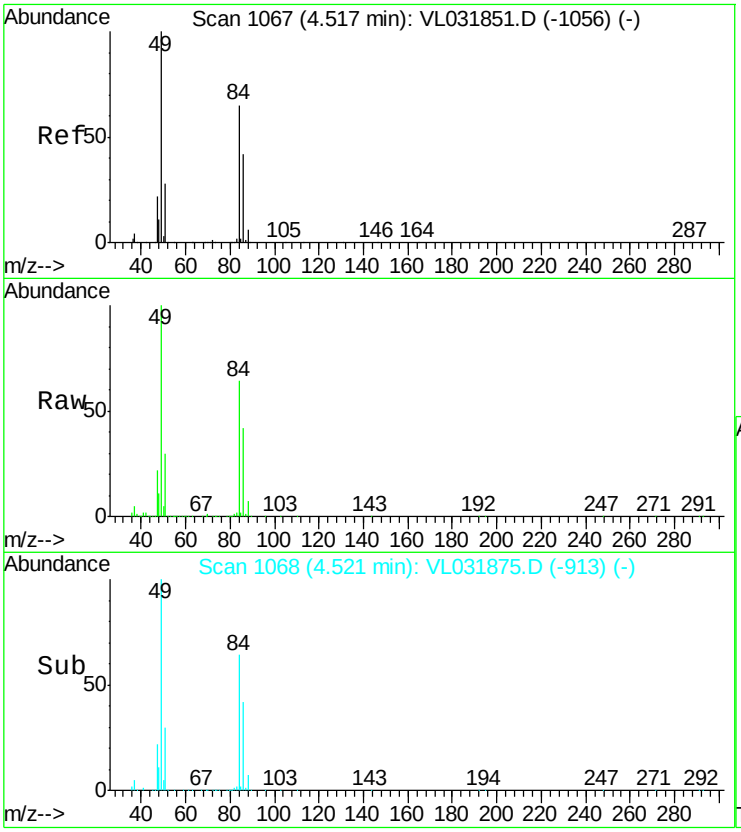


#18
1,1-Dichloroethene
Concen: 0.10 ppbv
RT: 4.46 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 96 Resp: 6372

Ion	Ratio	Lower	Upper
96	100		
61	154.7	161.0	241.6#
98	51.5	52.7	79.1#



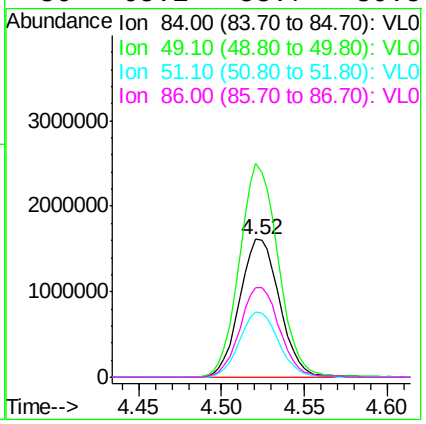


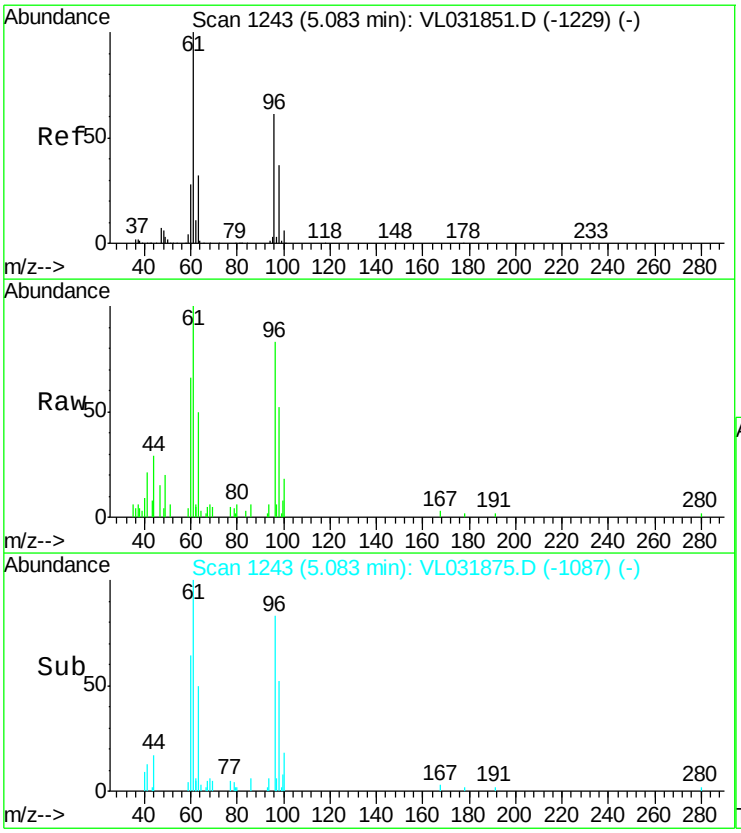
#20
Methylene Chloride
Concen: 41.83 ppbv
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion: 84 Resp: 2703415

Ion	Ratio	Lower	Upper
84	100		
49	155.0	125.6	188.4
51	47.1	36.4	54.6
86	65.1	53.7	80.5

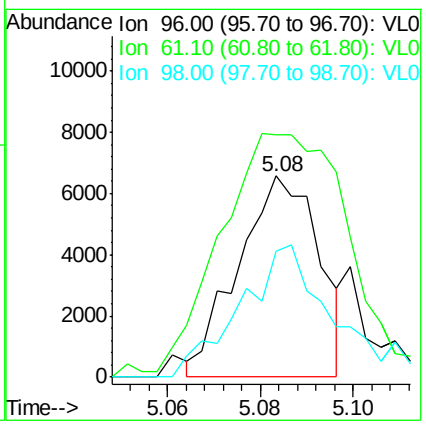


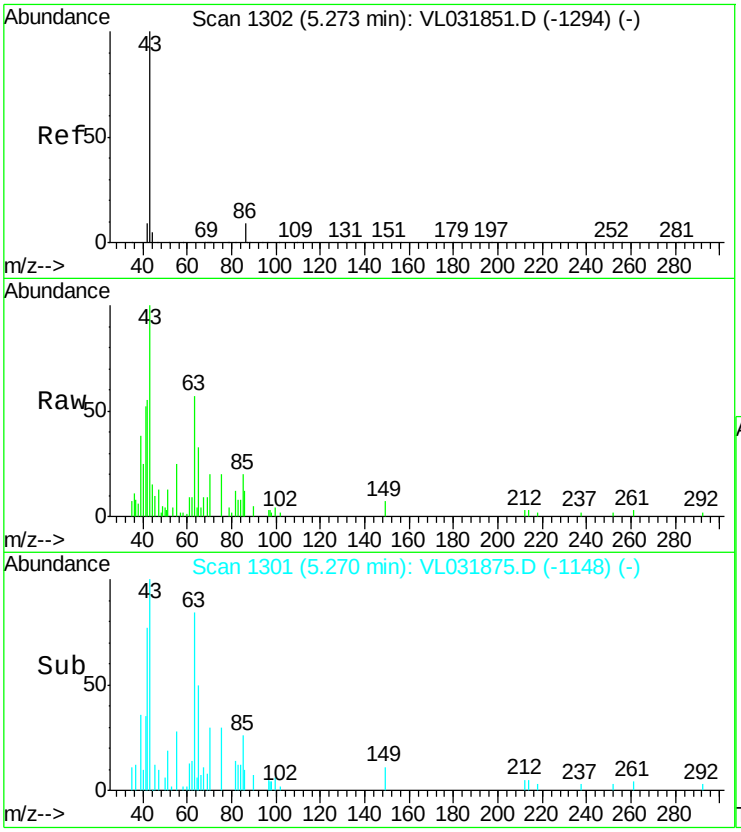


#22
trans-1,2-Dichloroethene
Concen: 0.12 ppbv
RT: 5.08 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 96 Resp: 7932

Ion	Ratio	Lower	Upper
96	100		
61	111.4	131.1	196.7#
98	56.3	47.6	71.4



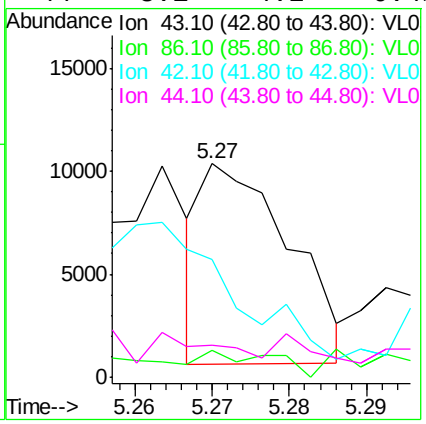


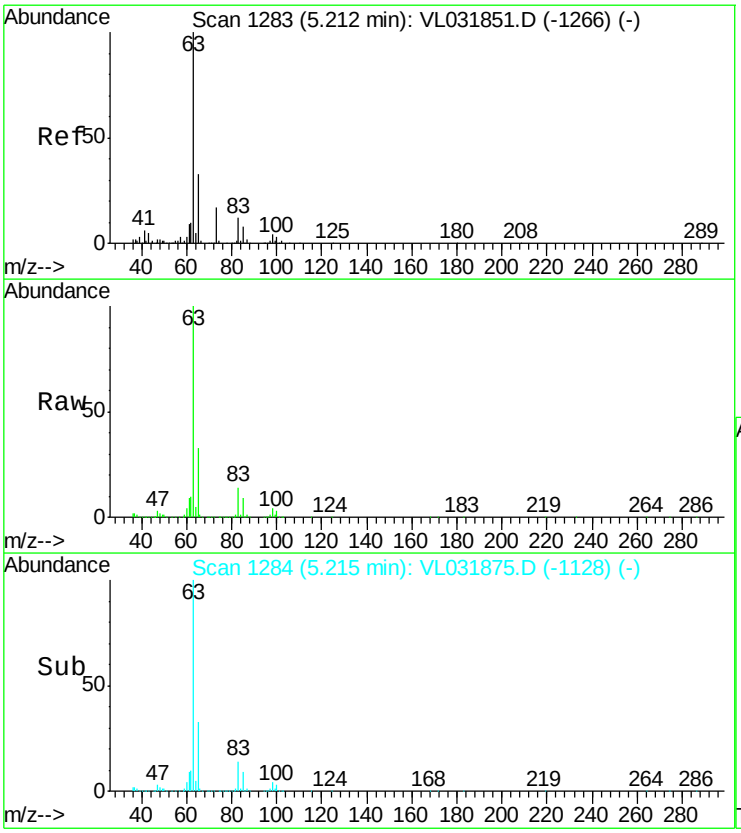
#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 5.27 min Scan# 1301
Delta R.T. -0.01 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Tgt Ion: 43 Resp: 7686

Ion	Ratio	Lower	Upper
43	100		
86	8.6	5.8	8.8
42	62.7	8.5	12.7#
44	8.1	4.2	6.4#

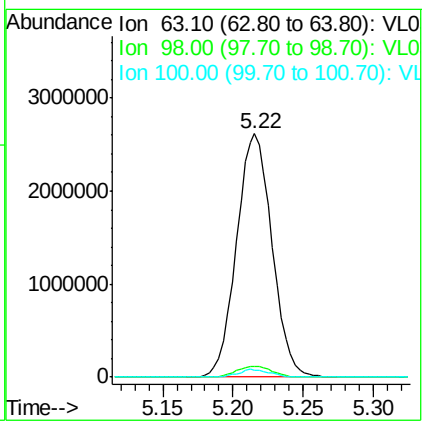


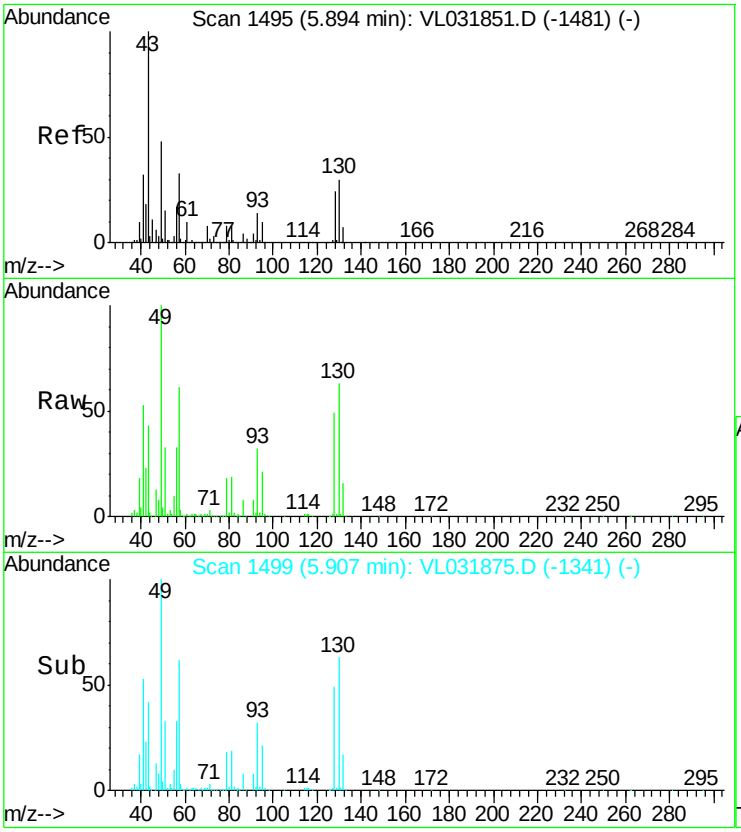


#24
1,1-Dichloroethane
Concen: 25.69 ppbv
RT: 5.22 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 63 Resp: 4606371

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.4	7.2
100	2.7	1.5	4.4



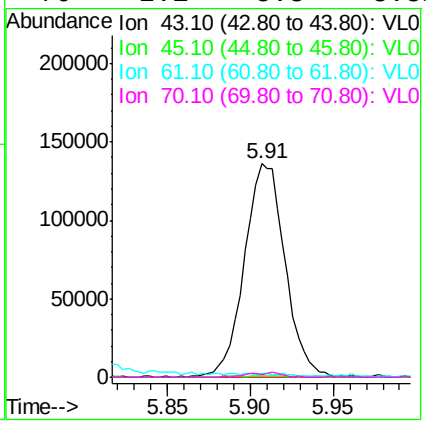


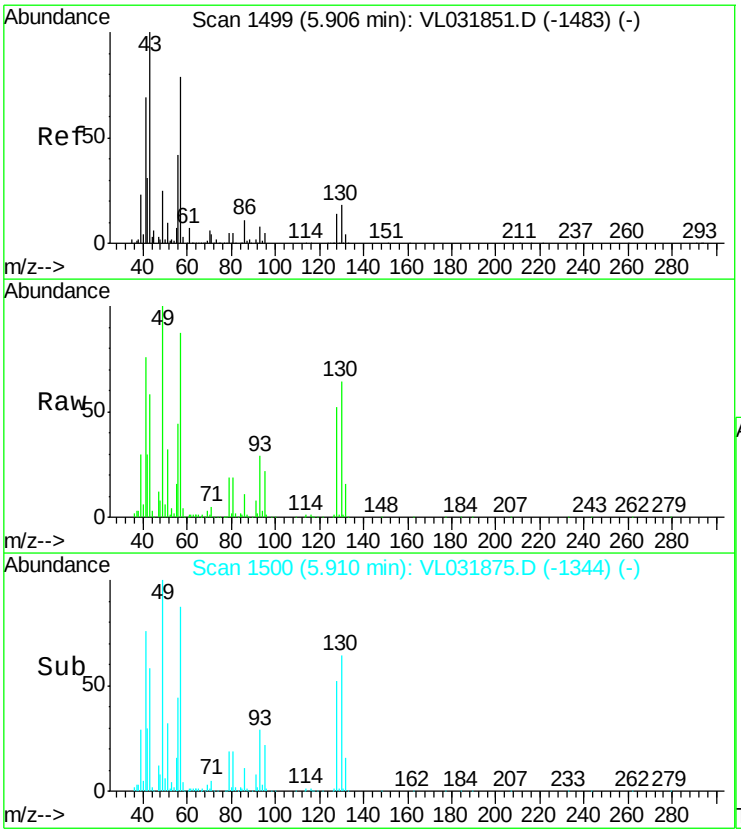
#25
Ethyl Acetate
Concen: 0.83 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. 0.01 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Tgt Ion: 43 Resp: 230104

Ion	Ratio	Lower	Upper
43	100		
45	1.0	7.8	11.8#
61	0.0	7.2	10.8#
70	2.1	5.8	8.8#

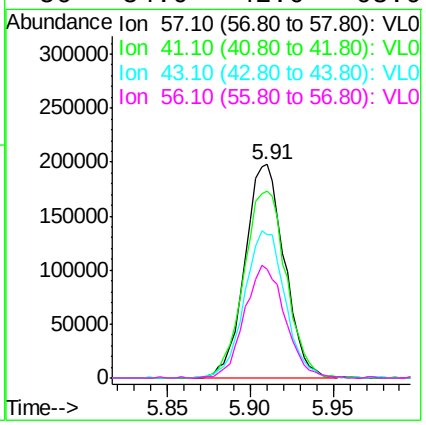


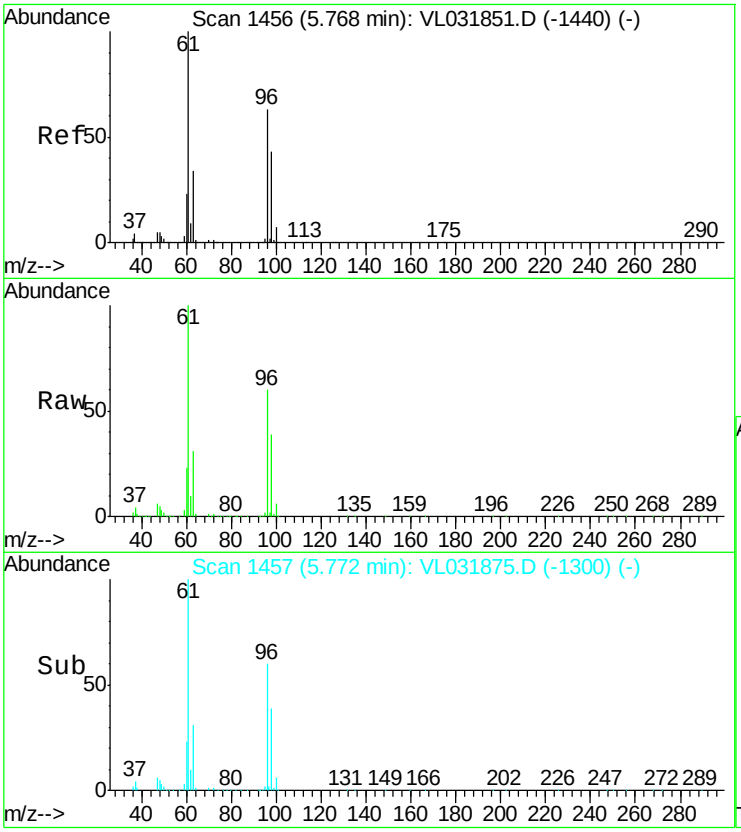


#26
Hexane
Concen: 2.55 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 57 Resp: 328741

Ion	Ratio	Lower	Upper
57	100		
41	94.0	72.0	108.0
43	70.8	169.8	254.8#
56	54.0	42.0	63.0



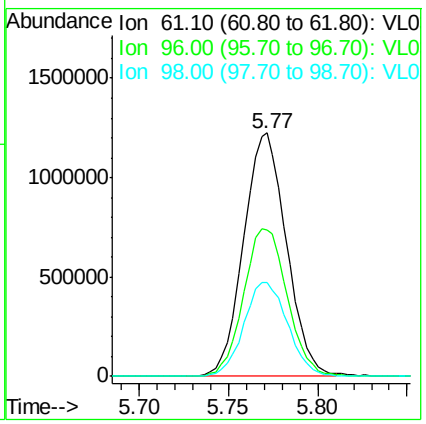


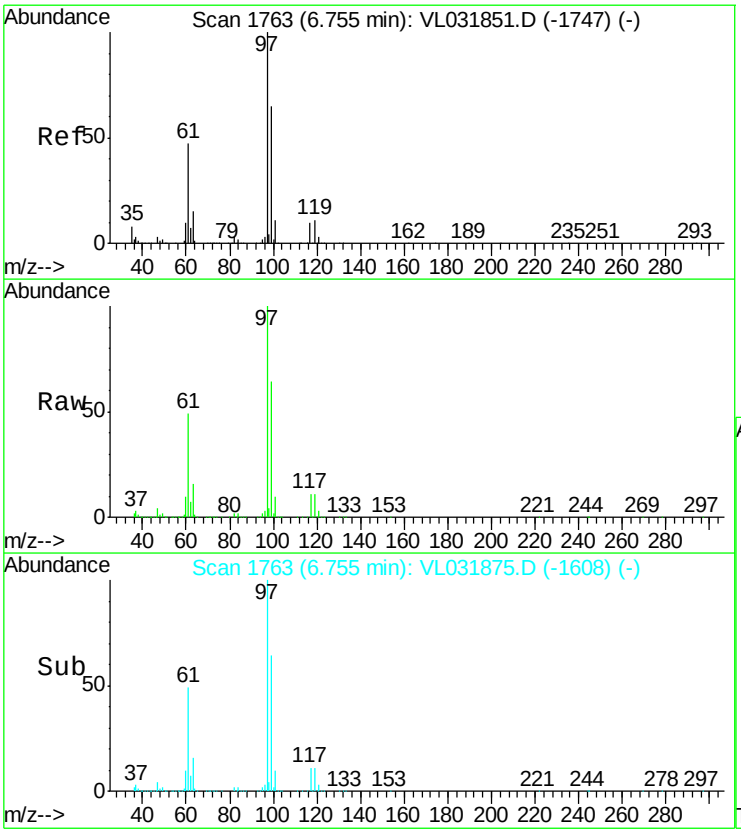
#31
cis-1,2-Dichloroethene
Concen: 17.59 ppbv
RT: 5.77 min Scan# 1457
Delta R.T. 0.01 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion: 61 Resp: 2056789

Ion	Ratio	Lower	Upper
61	100		
96	59.9	47.6	71.4
98	38.6	30.3	45.5

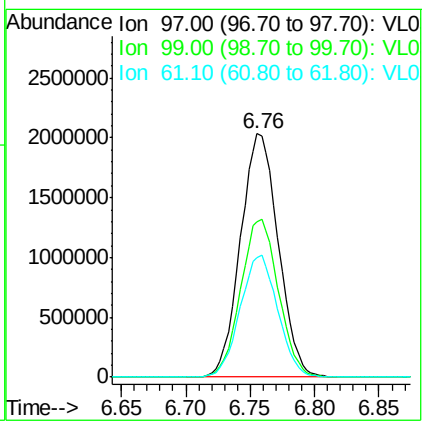


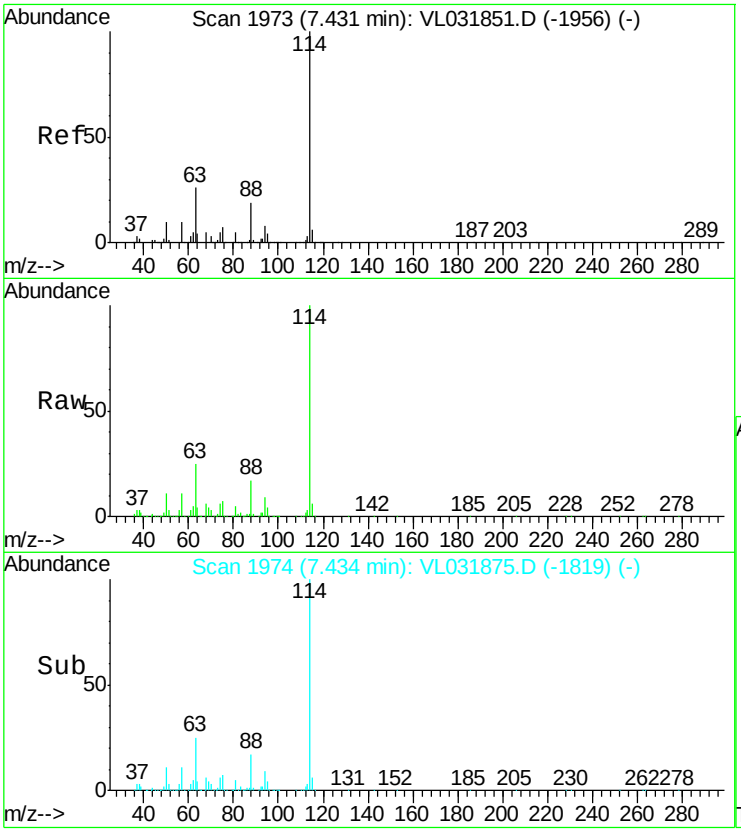


#32
1,1,1-Trichloroethane
Concen: 19.53 ppbv
RT: 6.76 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 97 Resp: 4160158

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.5	77.3
61	49.8	40.0	60.0



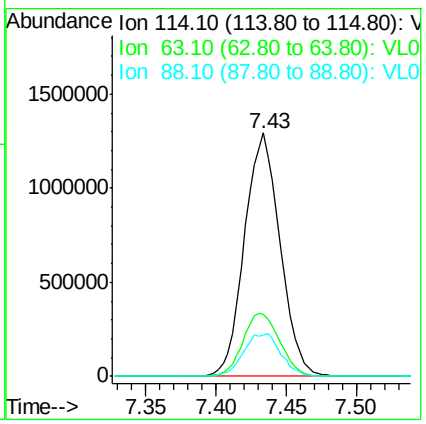


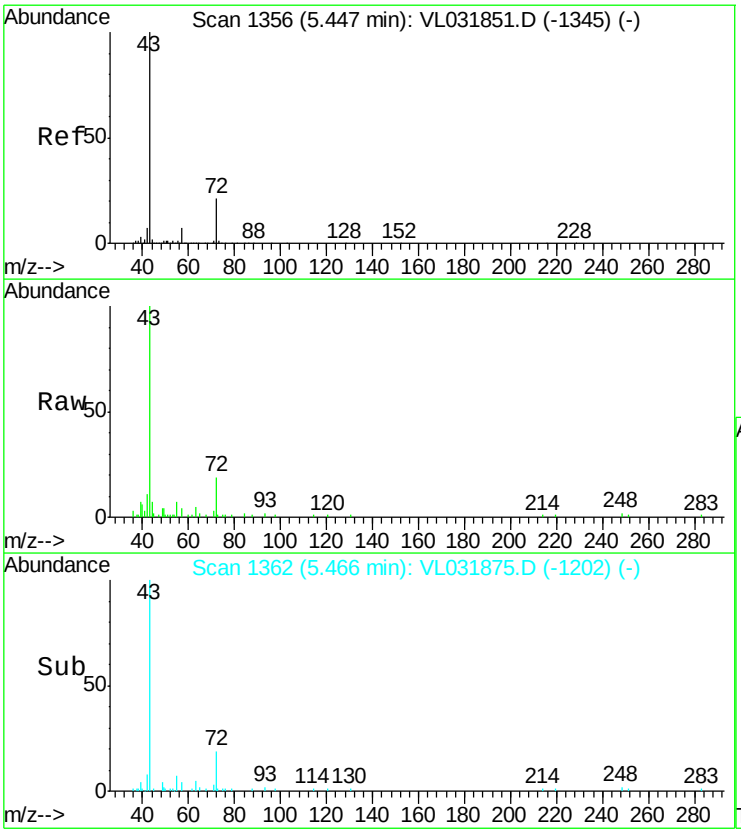
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.43 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion:114 Resp: 2286088

Ion	Ratio	Lower	Upper
114	100		
63	27.0	21.8	32.6
88	18.4	14.6	22.0

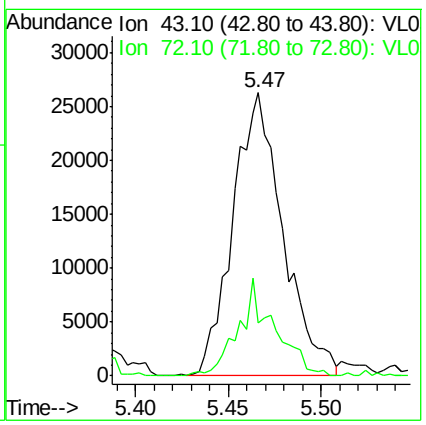


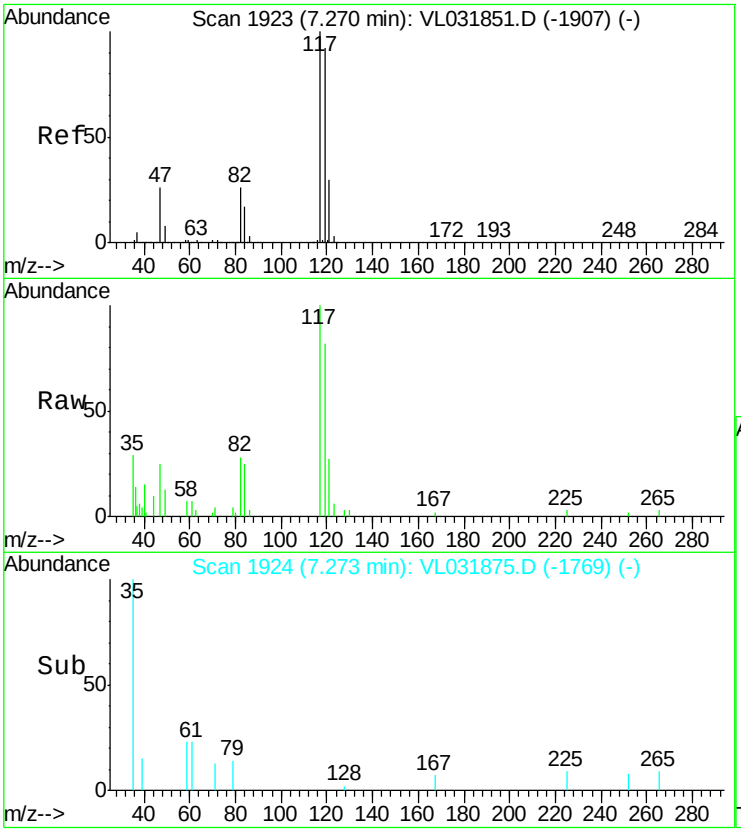


#34
2-Butanone
Concen: 0.31 ppbv
RT: 5.47 min Scan# 1362
Delta R.T. 0.02 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 43 Resp: 49382

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.6	27.8



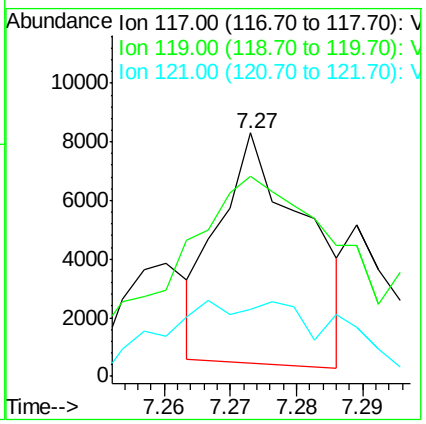


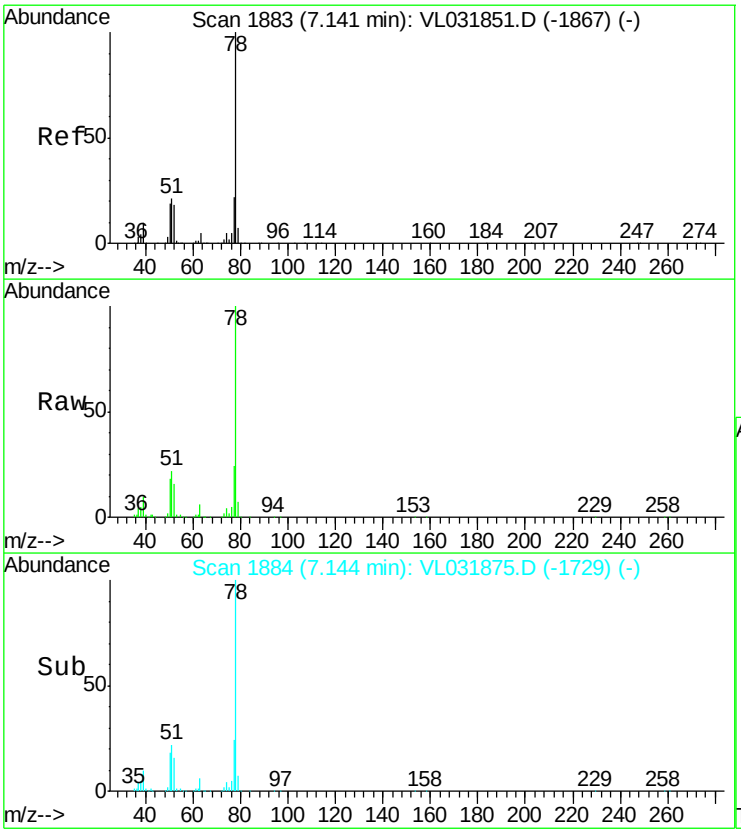
#35
Carbon Tetrachloride
Concen: 0.04 ppbv
RT: 7.27 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion:117 Resp: 7082

Ion	Ratio	Lower	Upper
117	100		
119	46.6	76.9	115.3#
121	5.5	24.5	36.7#

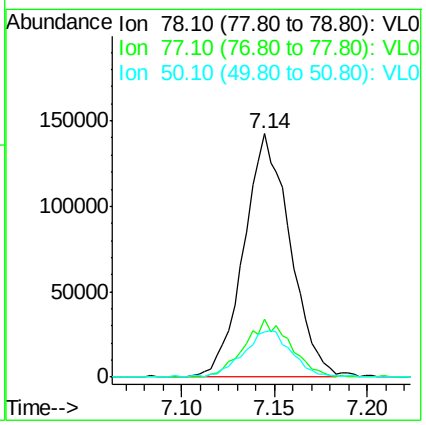


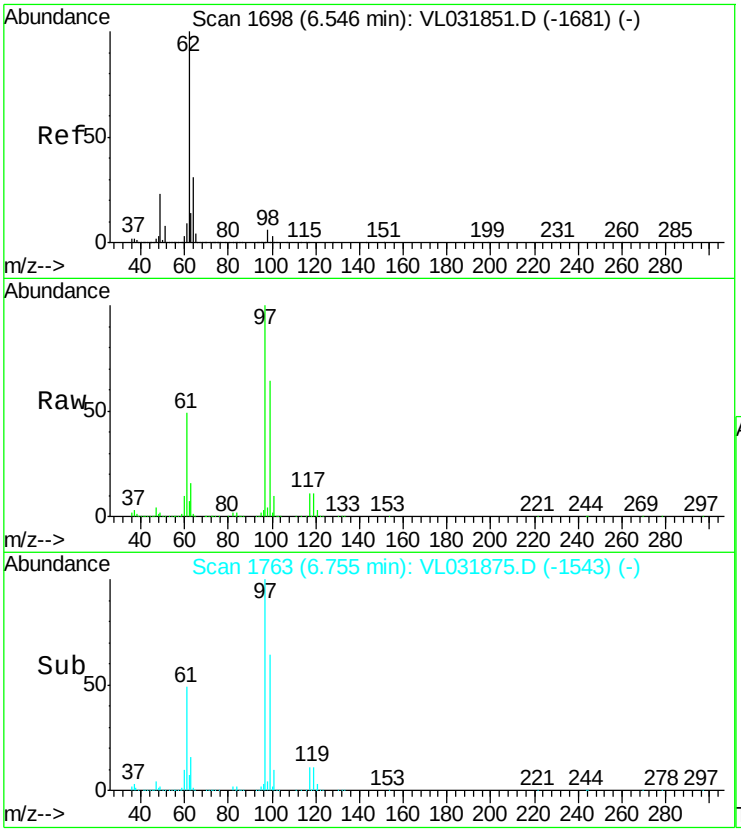


#36
Benzene
Concen: 1.20 ppbv
RT: 7.14 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 78 Resp: 247735

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8
50	18.2	16.7	25.1



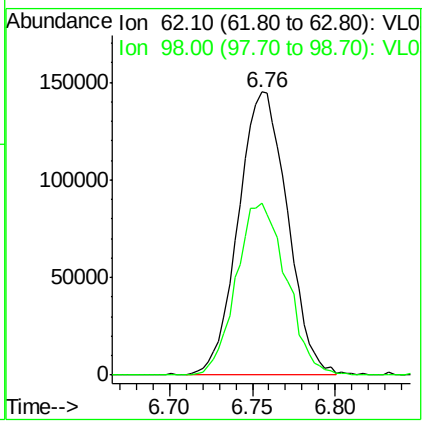


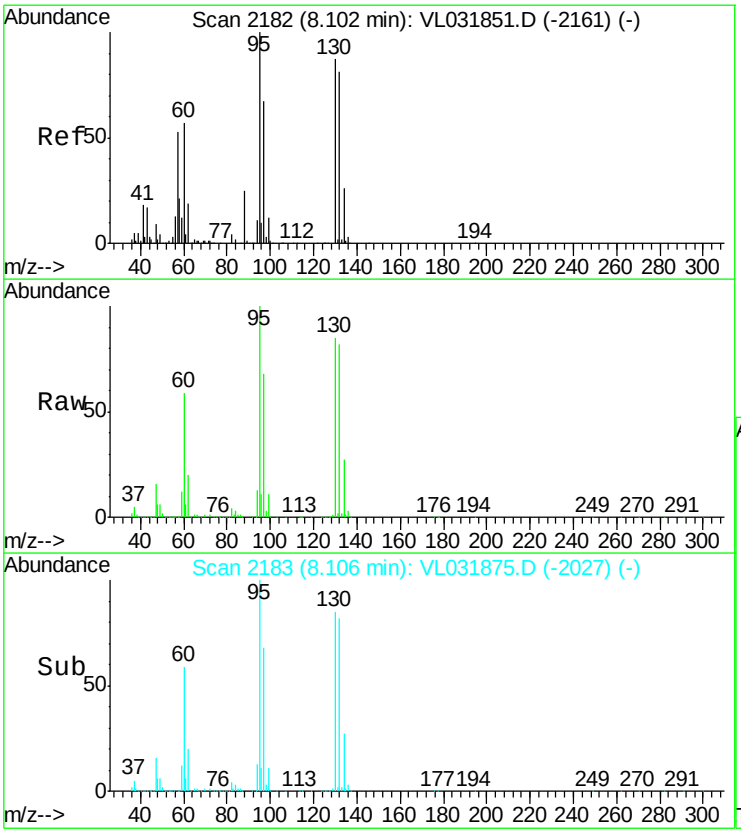
#37
1,2-Dichloroethane
Concen: 1.95 ppbv
RT: 6.76 min Scan# 1763
Delta R.T. 0.21 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Tgt Ion: 62 Resp: 298387

Ion	Ratio	Lower	Upper
62	100		
98	62.0	4.0	6.0#

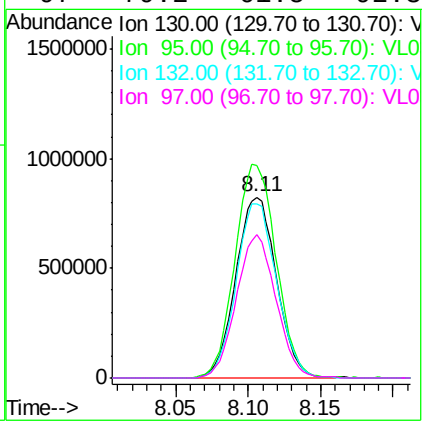


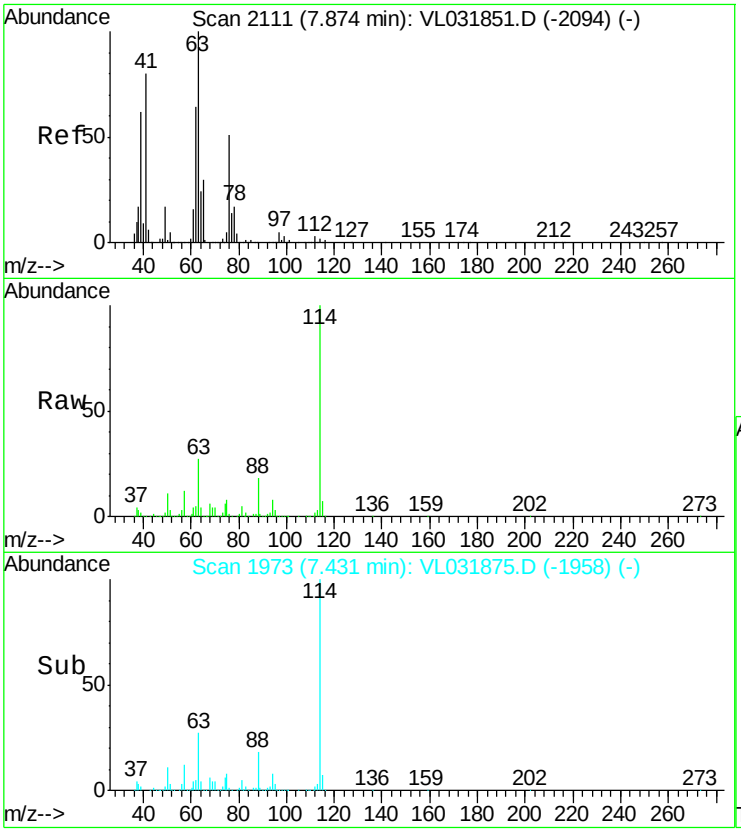


#38
Trichloroethene
Concen: 19.29 ppbv
RT: 8.11 min Scan# 2183
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion:130 Resp: 1610085

Ion	Ratio	Lower	Upper
130	100		
95	117.5	96.6	144.8
132	95.9	79.1	118.7
97	79.2	61.5	92.3



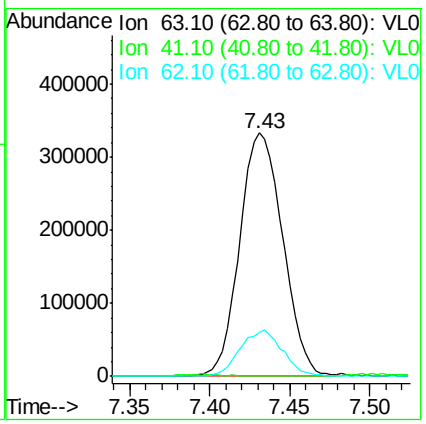


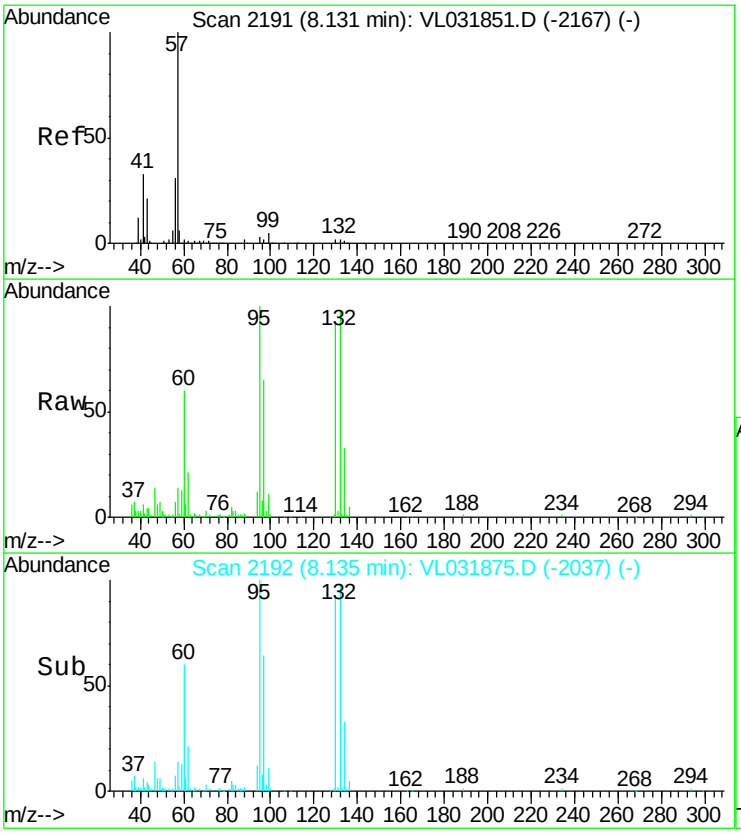
#39
1,2-Dichloropropane
Concen: 8.00 ppbv
RT: 7.43 min Scan# 1973
Delta R.T. -0.45 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Tgt Ion: 63 Resp: 611307

Ion	Ratio	Lower	Upper
63	100		
41	0.0	65.8	98.6#
62	17.9	55.0	82.6#

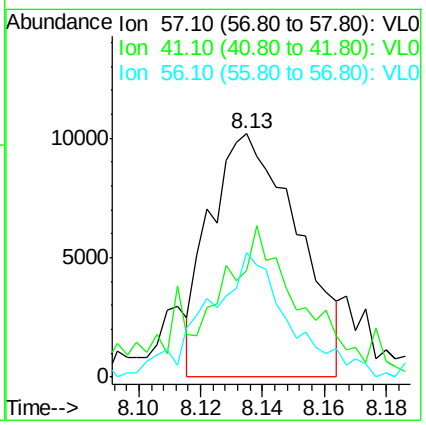


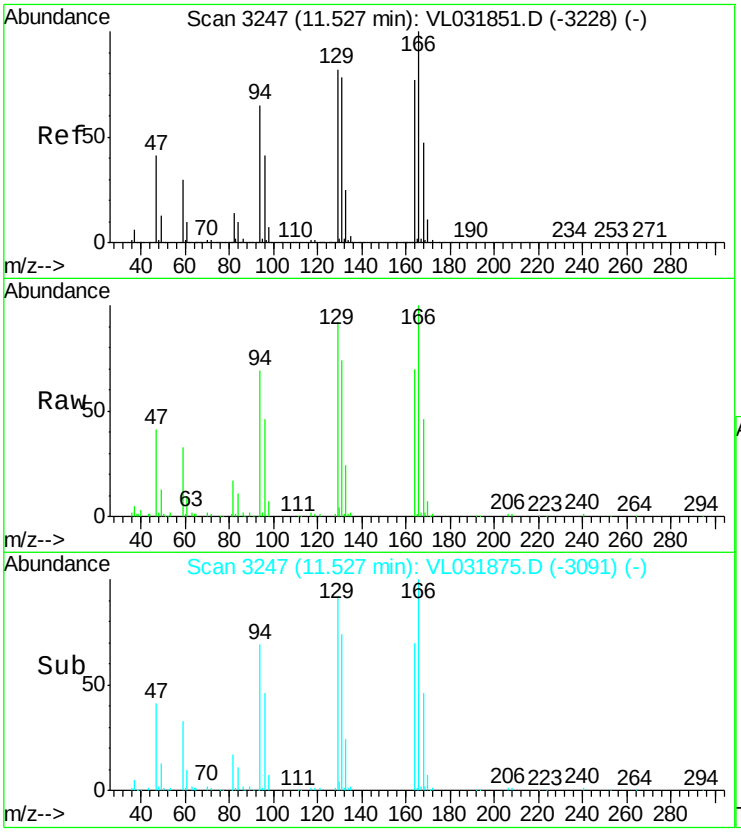


#44
2,2,4-Trimethylpentane
Concen: 0.06 ppbv
RT: 8.13 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 57 Resp: 20062

Ion	Ratio	Lower	Upper
57	100		
41	74.0	27.0	40.6#
56	49.0	24.1	36.1#



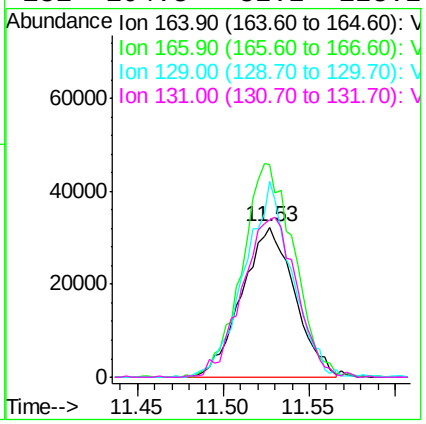


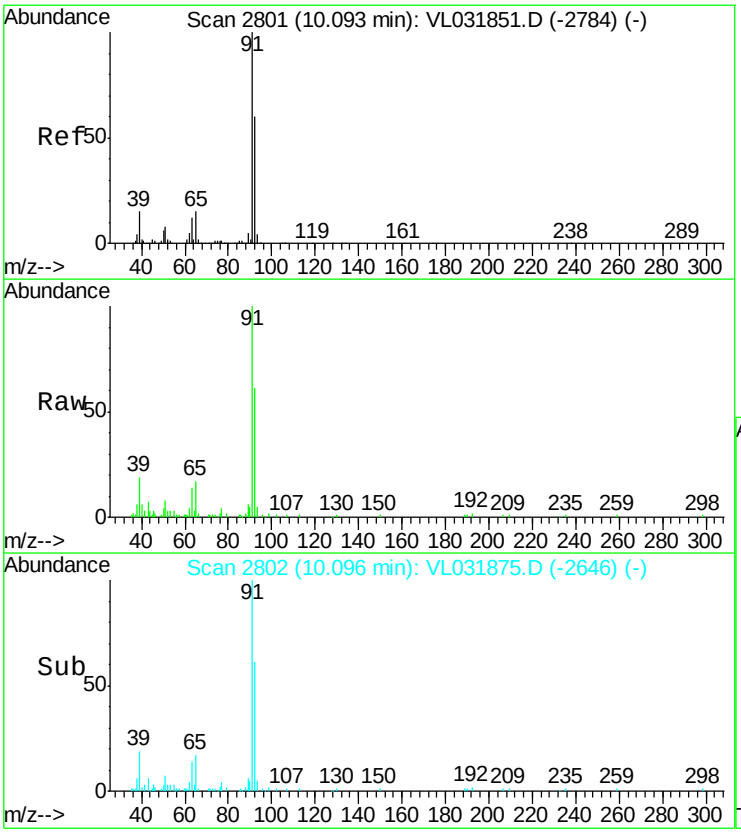
#52
Tetrachloroethene
Concen: 0.86 ppbv
RT: 11.53 min Scan# 3247
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion:164 Resp: 69226

Ion	Ratio	Lower	Upper
164	100		
166	140.4	98.2	147.4
129	130.1	86.5	129.7#
131	104.3	82.2	123.2

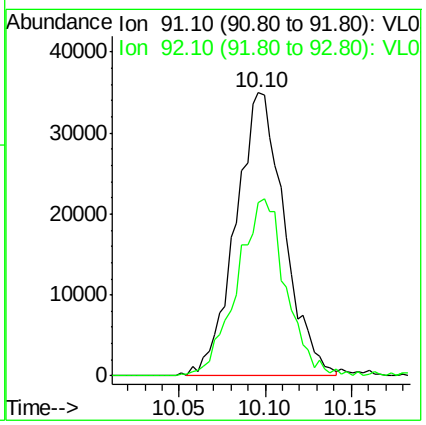


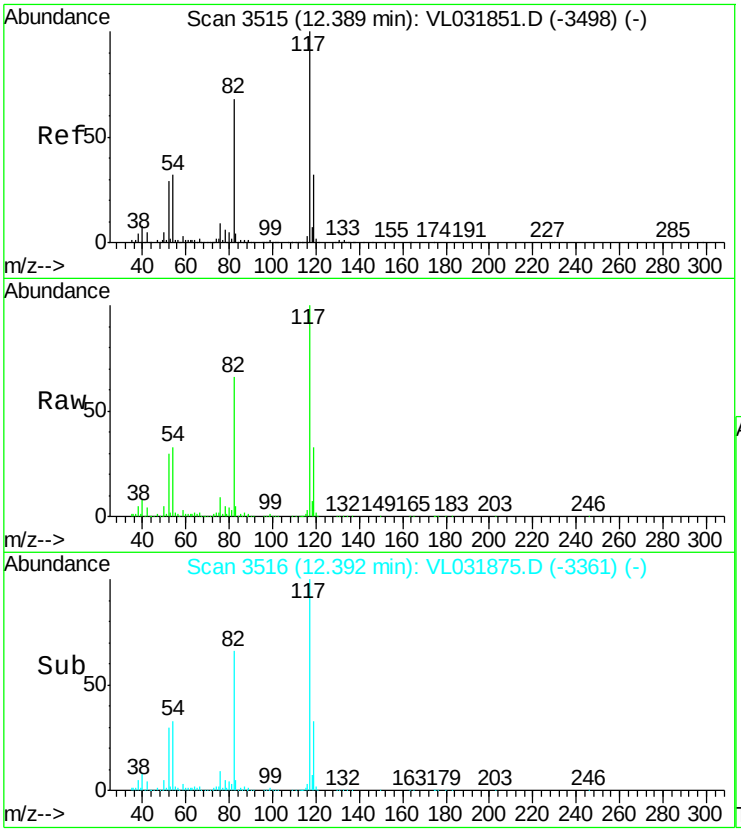


#53
Toluene
Concen: 0.30 ppbv
RT: 10.10 min Scan# 2802
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 91 Resp: 68721

Ion	Ratio	Lower	Upper
91	100		
92	63.1	47.4	71.2



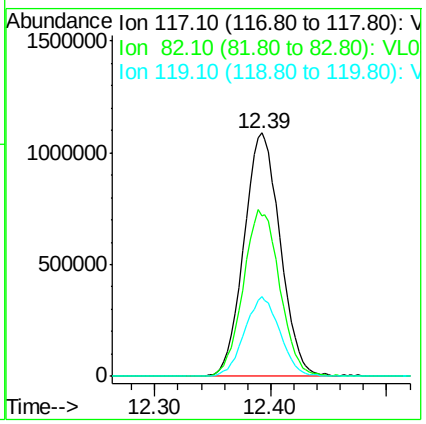


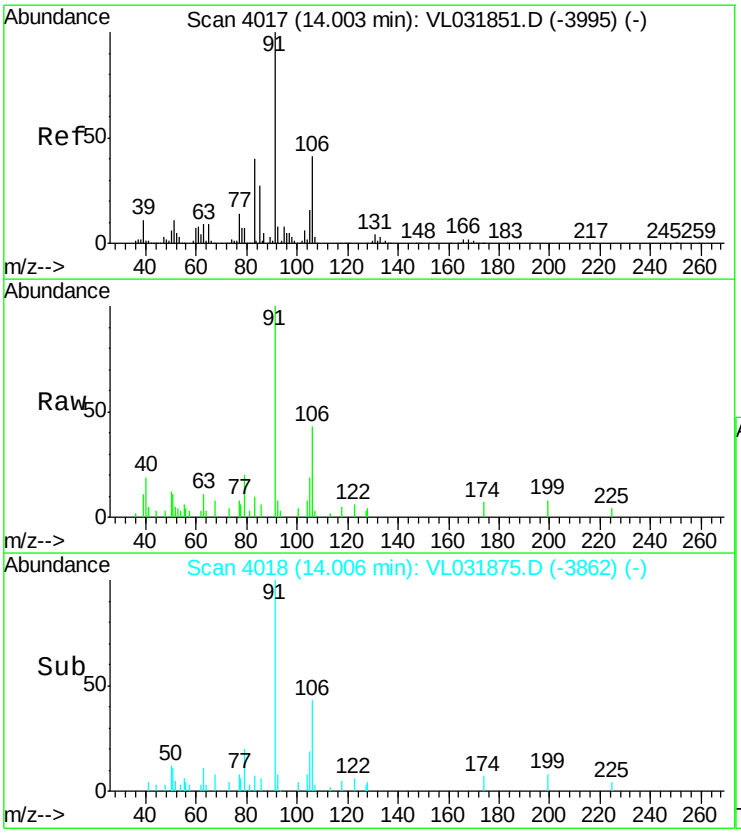
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3516
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Tgt Ion:117 Resp: 2367207

Ion	Ratio	Lower	Upper
117	100		
82	69.2	54.6	81.8
119	32.0	26.0	39.0

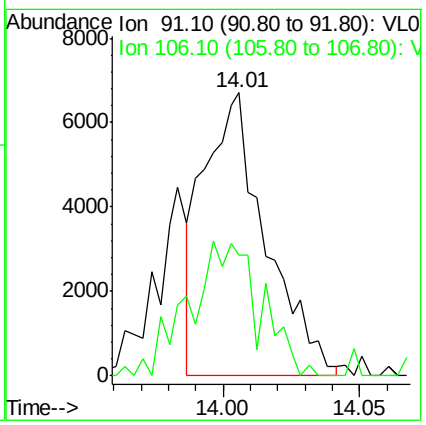


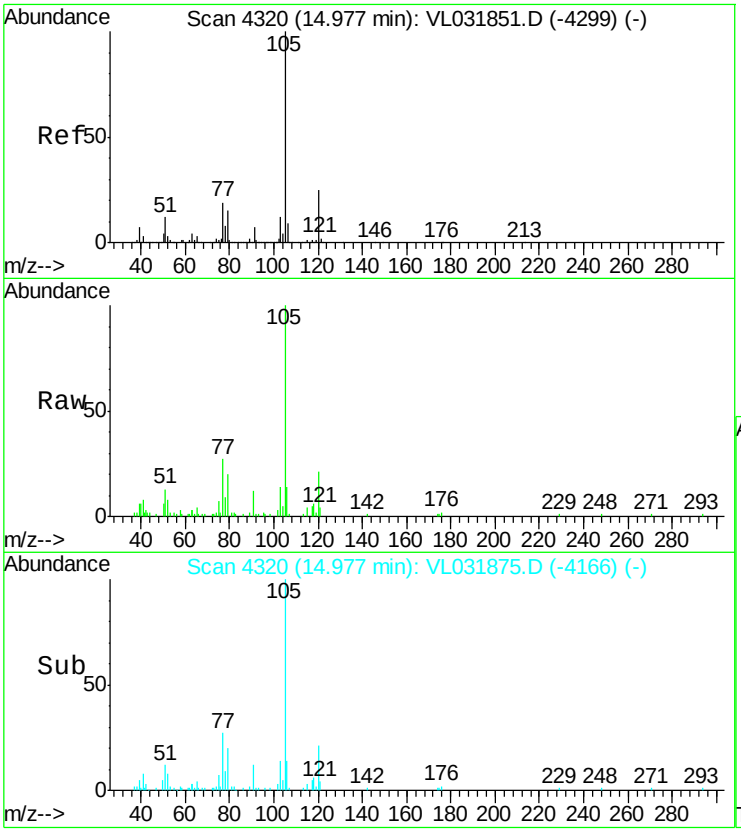


#60
o-Xylene
Concen: 0.04 ppbv
RT: 14.01 min Scan# 4018
Delta R.T. 0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 91 Resp: 10661

Ion	Ratio	Lower	Upper
91	100		
106	55.8	21.3	63.9



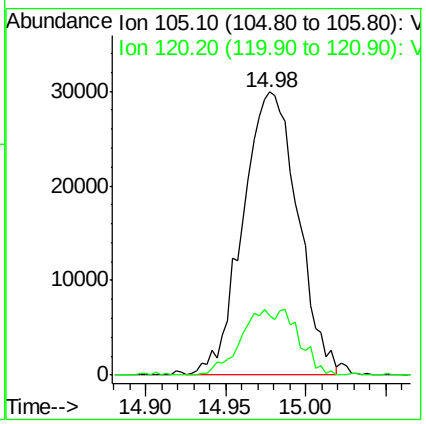


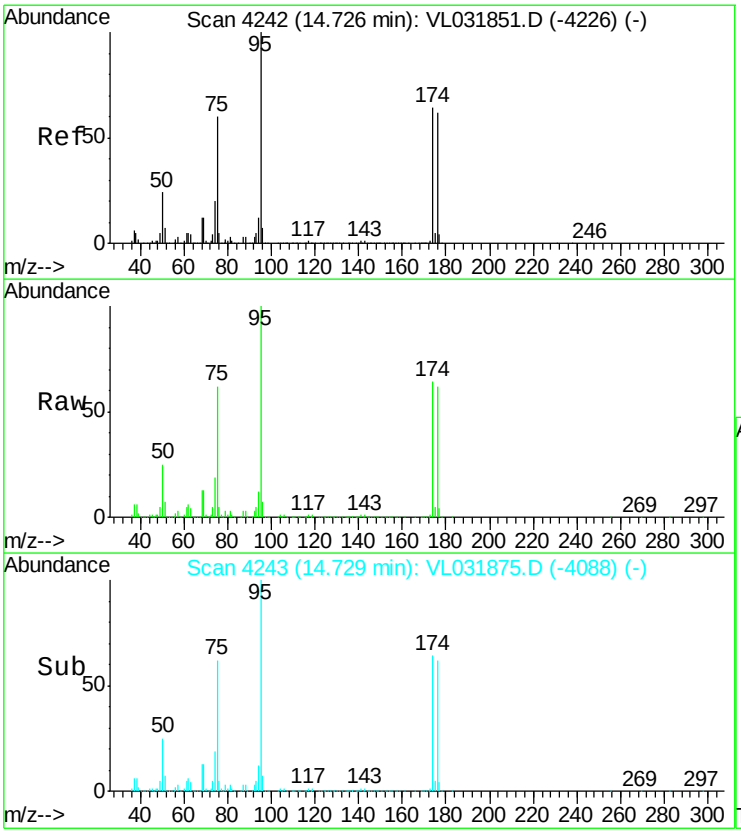
#62
Isopropylbenzene
Concen: 0.19 ppbv
RT: 14.98 min Scan# 4320
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument : MSVOA_L
ClientSampleId : SVE-INF1-040218

Tgt Ion:105 Resp: 70642

Ion	Ratio	Lower	Upper
105	100		
120	24.0	19.4	29.2

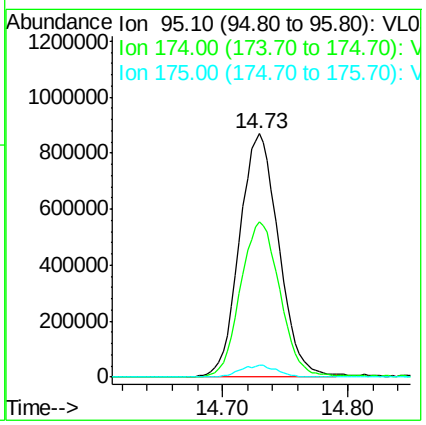


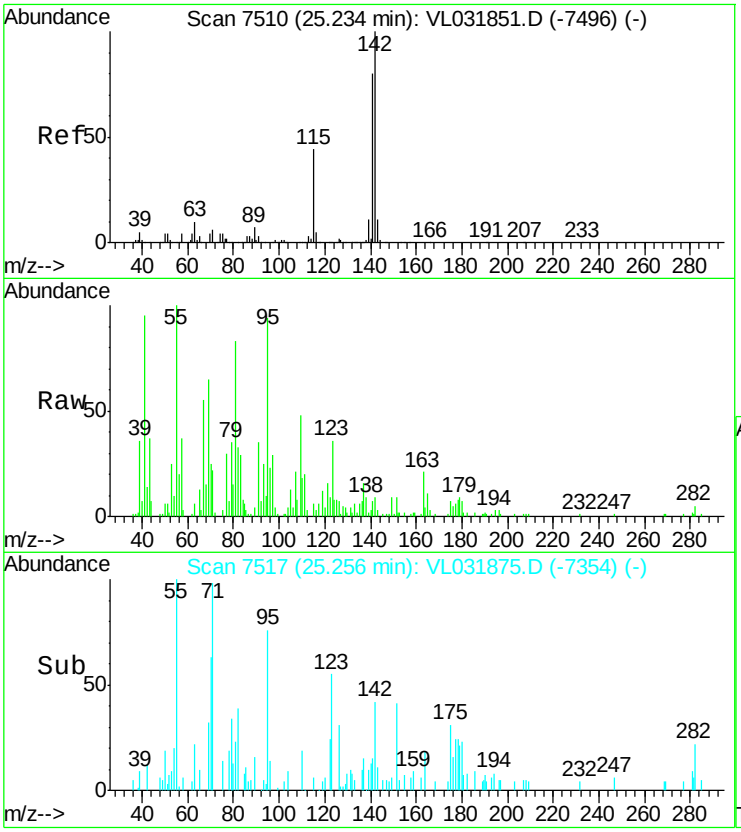


#68
1-Bromo-4-Fluorobenzene
Concen: 9.93 ppbv
RT: 14.73 min Scan# 4243
Delta R.T. -0.00 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Tgt Ion: 95 Resp: 1890959

Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.3	78.5
175	4.8	3.9	5.9





#80
Naphthalene,2-methyl-
Concen: 0.10 ppbv
RT: 25.26 min Scan# 7517
Delta R.T. 0.03 min
Lab File: VL031875.D
Acq: 12 Apr 2018 21:25

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218

Tgt Ion:142 Resp: 3112

Ion	Ratio	Lower	Upper
142	100		
141	40.0	67.0	100.4#
115	30.7	35.3	52.9#