Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

Quantitation Report (Not Reviewed)

Data File : VL033182.D
Acq On : 6 Feb 2019 17:54
Operator : SY/AP
Sample : K1289-01DL 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1000DL

Quant Time: Feb 20 06:18:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	960160	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2376399	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.24	117	2489478	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2245173	11.57	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 115.70%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.01	51	6711	0.058	ppbv		98
4) Chloromethane	3.17	50	4230	0.069	ppbv		95
5) Vinyl Chloride	3.29	62	513146	8.050	ppbv		99
7) Chloroethane	3.29	64	161412	7.746	ppbv	#	42
9) Propene	3.04	41	388778	6.961	ppbv		100
11) Trichlorofluoromethane	4.00	101	6524	0.044	ppbv		86
13) Ethanol	3.66	45	8944	0.471	ppbv		95
14) Bromoethene	3.79	108	12948	0.292	ppbv		94
15) Acetone	3.91	43	31089	0.287	ppbv		97
16) 1,3-Butadiene	3.04	39	329839	6.424	ppbv	#	5
17) tert-Butyl alcohol	4.35	59	27414	1.319	ppbv	#	74
18) 1,1-Dichloroethene	4.35	96	372805	8.086	ppbv		95
20) Methylene Chloride	4.41	84	37473	0.871	ppbv		87
21) Allyl Chloride	4.47	41	2437	0.034	ppbv	#	74
23) Vinyl Acetate	5.15	43	8467	0.045	ppbv	#	72
24) 1,1-Dichloroethane	5.09	63	1578560	11.904	ppbv		99
25) Ethyl Acetate	5.78	43	1015205	4.174	ppbv	#	77
26) Hexane	5.78	57	1456344	12.755	ppbv	#	42
32) 1,1,1-Trichloroethane	6.62	97	10922	0.057	ppbv	#	42
34) 2-Butanone	5.78	43	1009259	6.695	ppbv	#	54
37) 1,2-Dichloroethane	6.41	62	5176	0.039	ppbv	#	82
39) 1,2-Dichloropropane	7.29	63	635186	6.678	ppbv	#	24
41) Tetrahydrofuran	5.78	42	529920	5.687	ppbv	#	50
42) Bromodichloromethane	7.91	83	14846	0.077	ppbv	#	92
47) 1,1,2-Trichloroethane	9.61	97	820621	8.320	ppbv		98
48) Dibromochloromethane	10.45	129	1185421	7.628	ppbv		100
49) Bromoform	13.20	173	7334	0.055	ppbv	#	75
53) Toluene	9.95	91	1835486	6.436	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1236898	7.991	ppbv		97
57) Chlorobenzene	12.30	112	1932489	8.773	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	6535	0.032	ppbv		90

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

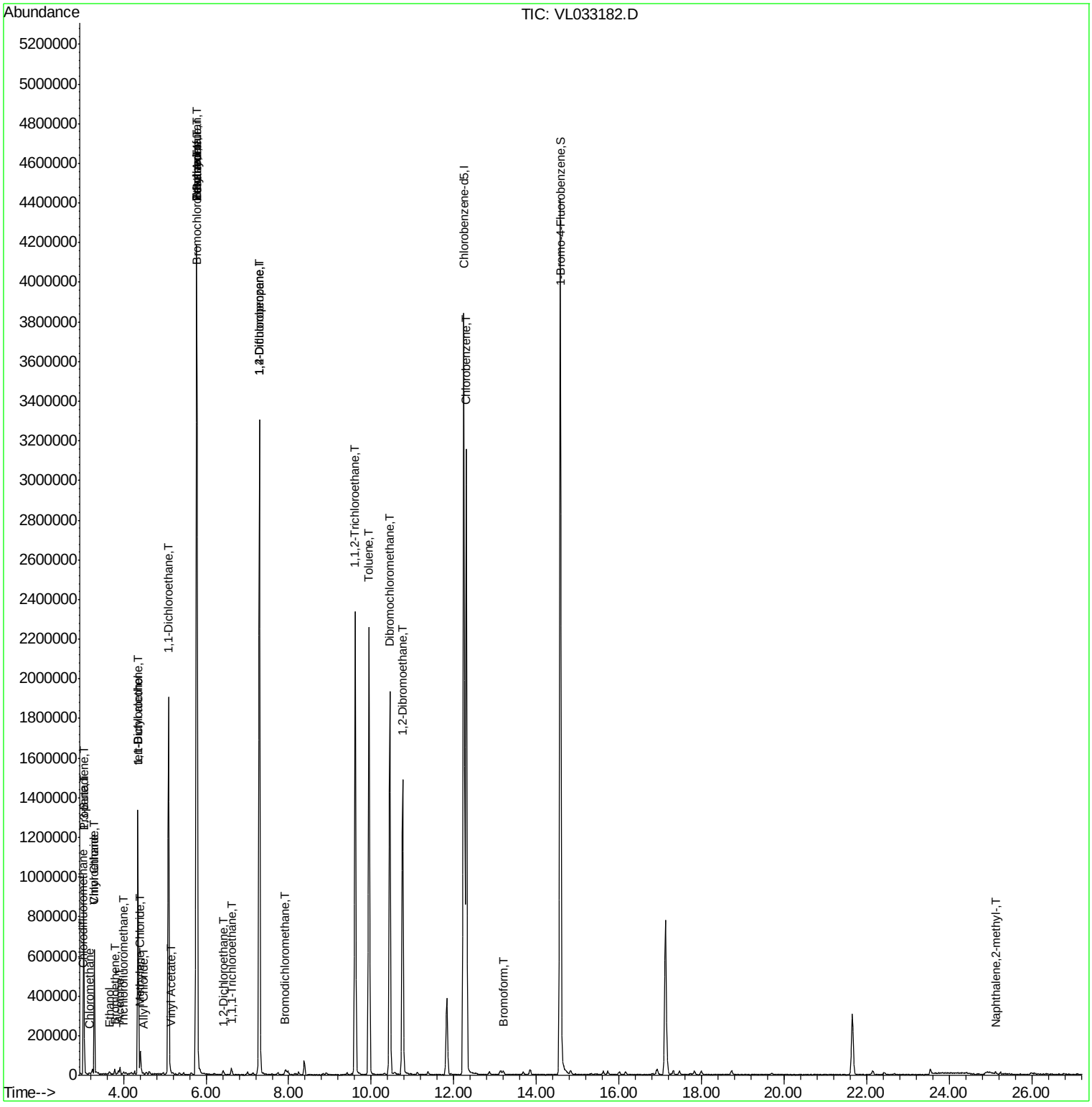
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

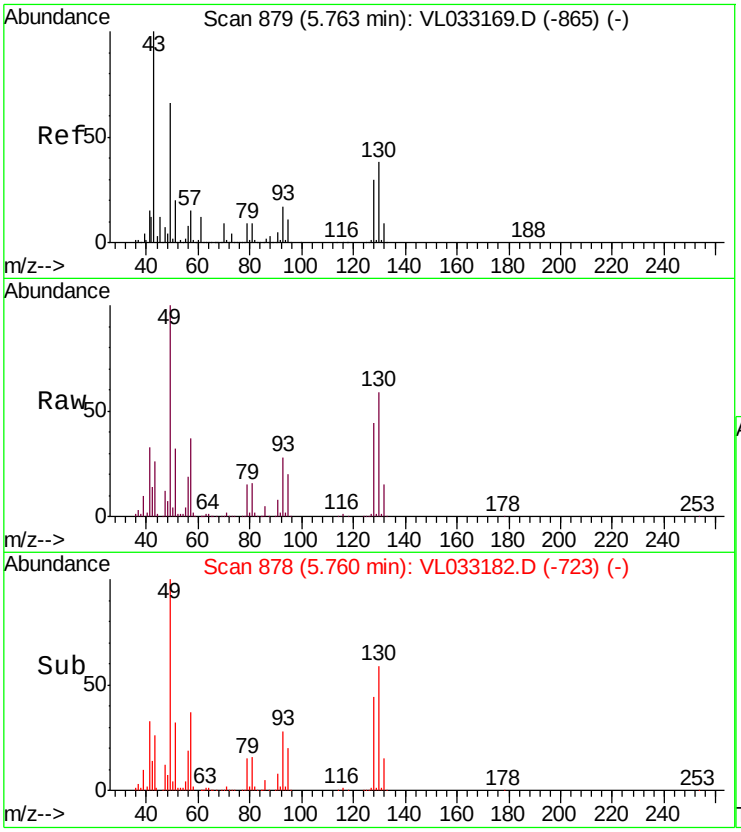
Quantitation Report (Not Reviewed)

Data File : VL033182.D
Acq On : 6 Feb 2019 17:54
Operator : SY/AP
Sample : K1289-01DL 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1000DL

Quant Time: Feb 20 06:18:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration



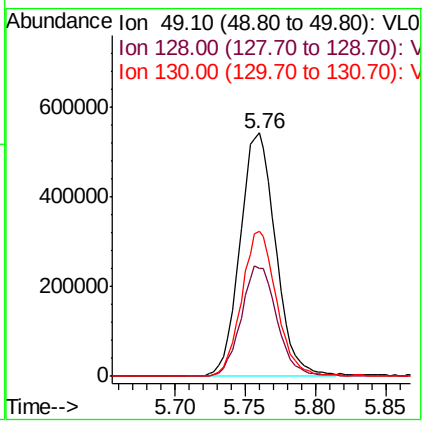


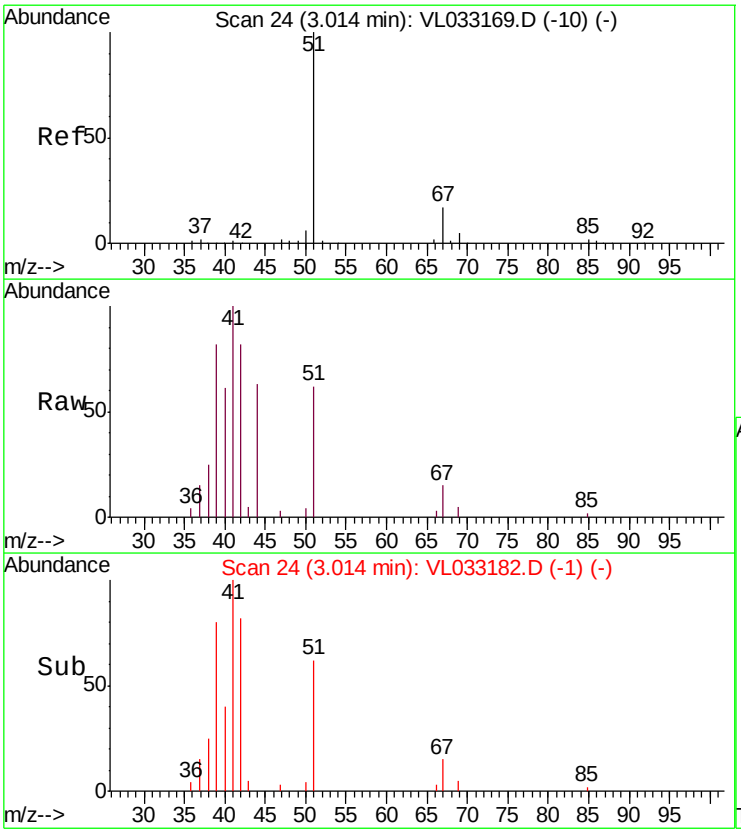
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 49 Resp: 960160

Ion	Ratio	Lower	Upper
49	100		
128	45.7	23.6	71.0
130	59.1	30.3	91.0

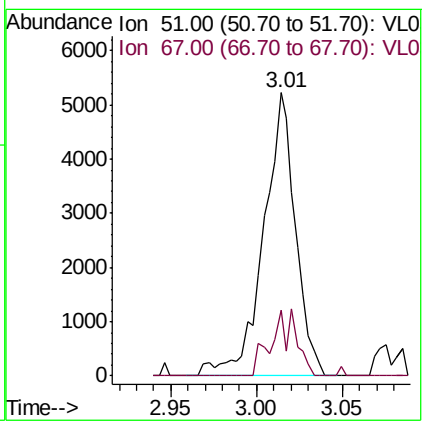


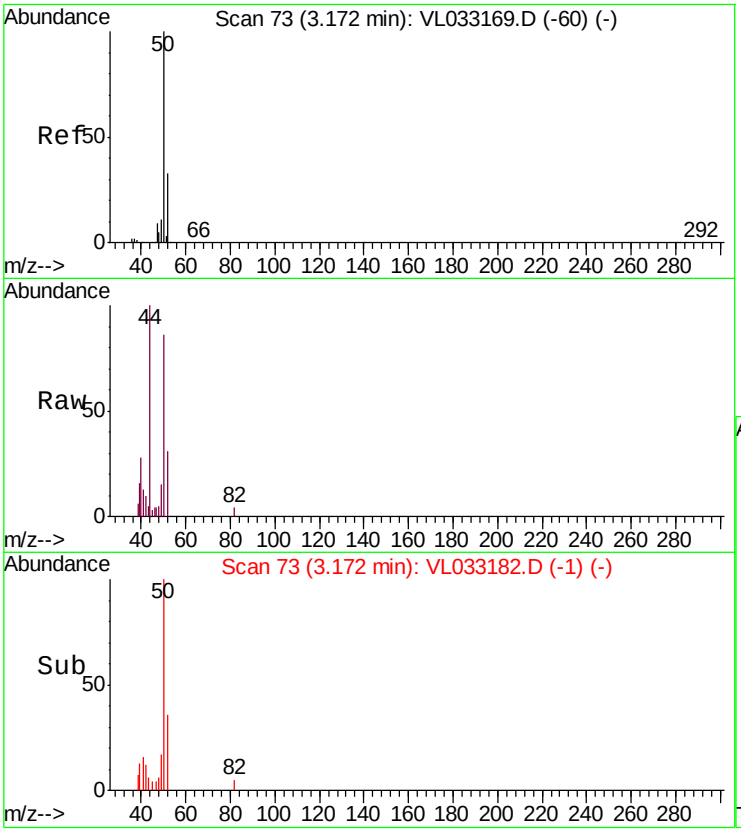


#3
Chlorodifluoromethane
Concen: 0.058 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 51 Resp: 6711

Ion	Ratio	Lower	Upper
51	100		
67	18.3	14.0	21.0



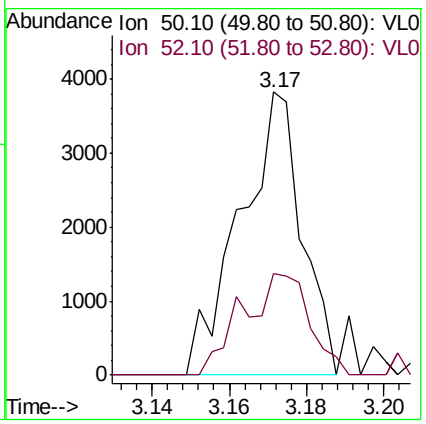


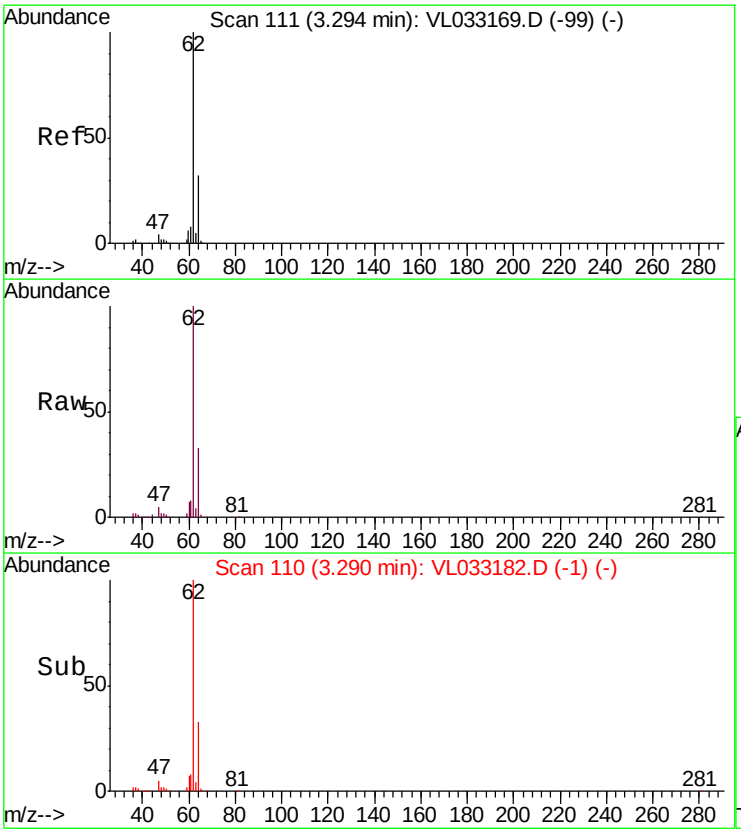
#4
Chloromethane
Concen: 0.069 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 50 Resp: 4230

Ion	Ratio	Lower	Upper
50	100		
52	35.9	26.5	39.7

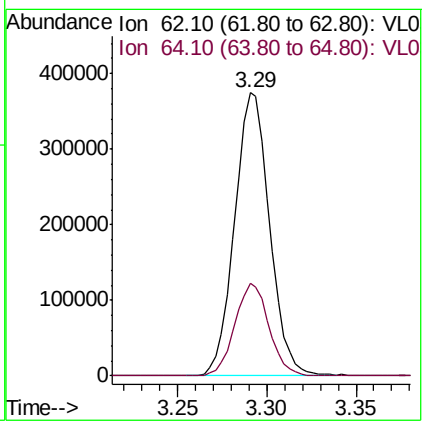


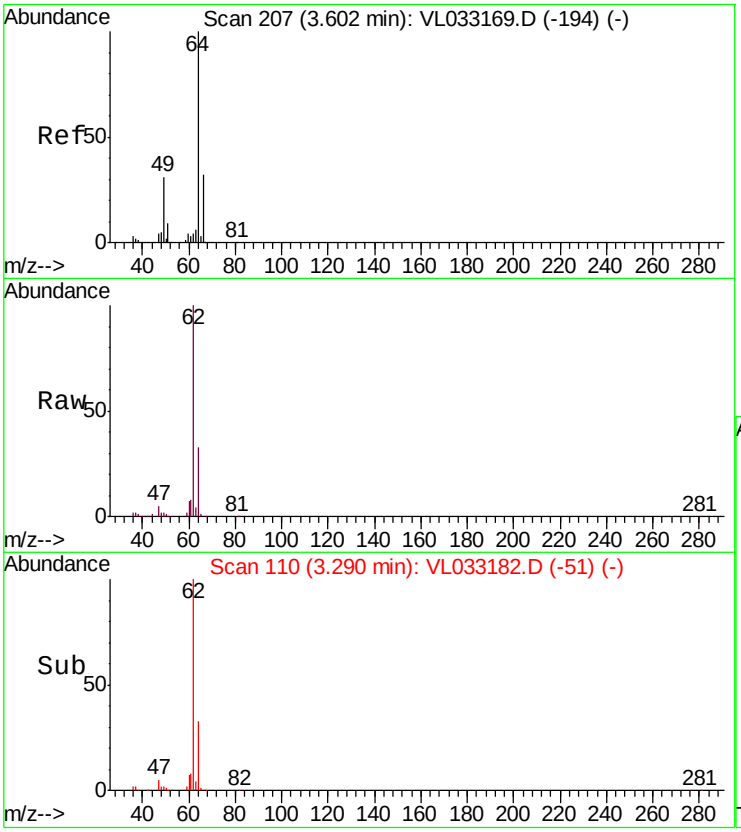


#5
Vinyl Chloride
Concen: 8.050 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 62 Resp: 513146

Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.6	38.4



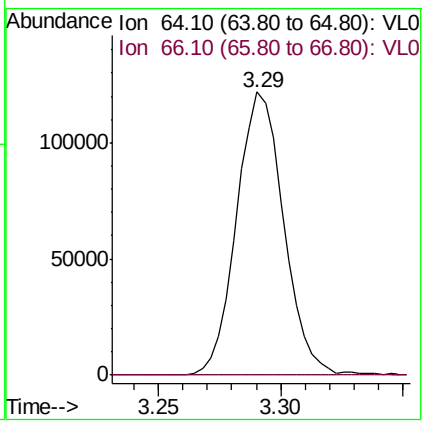


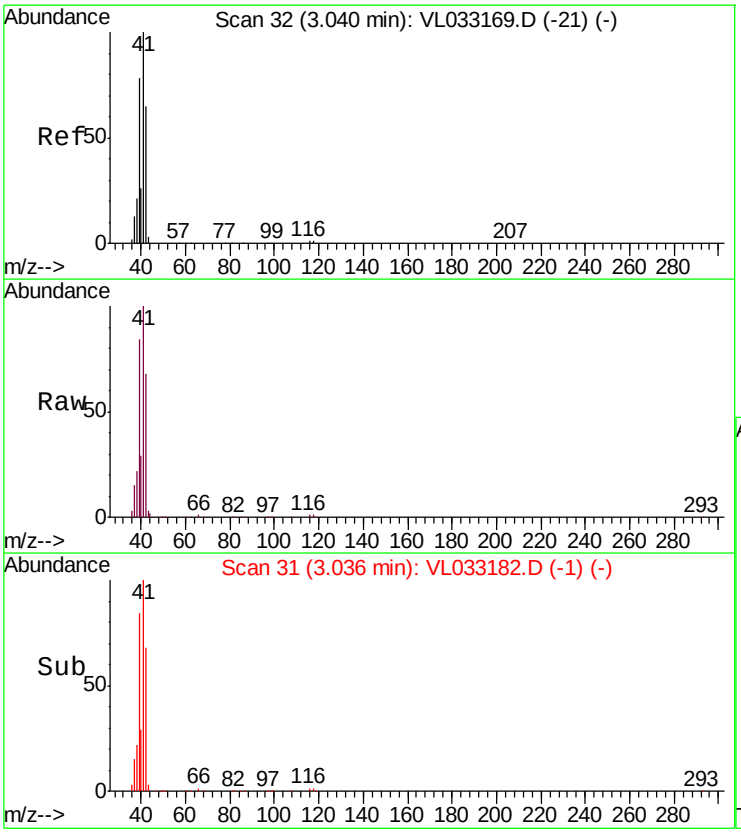
#7
Chloroethane
Concen: 7.746 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.31 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 64 Resp: 161412

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.0	39.0#

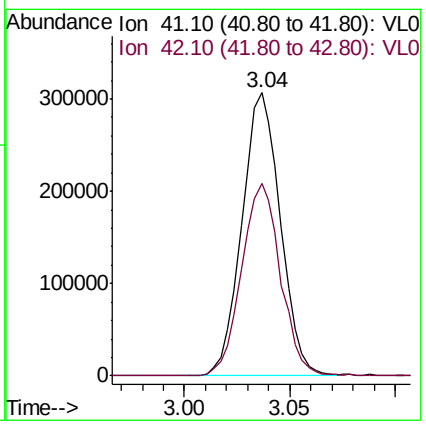


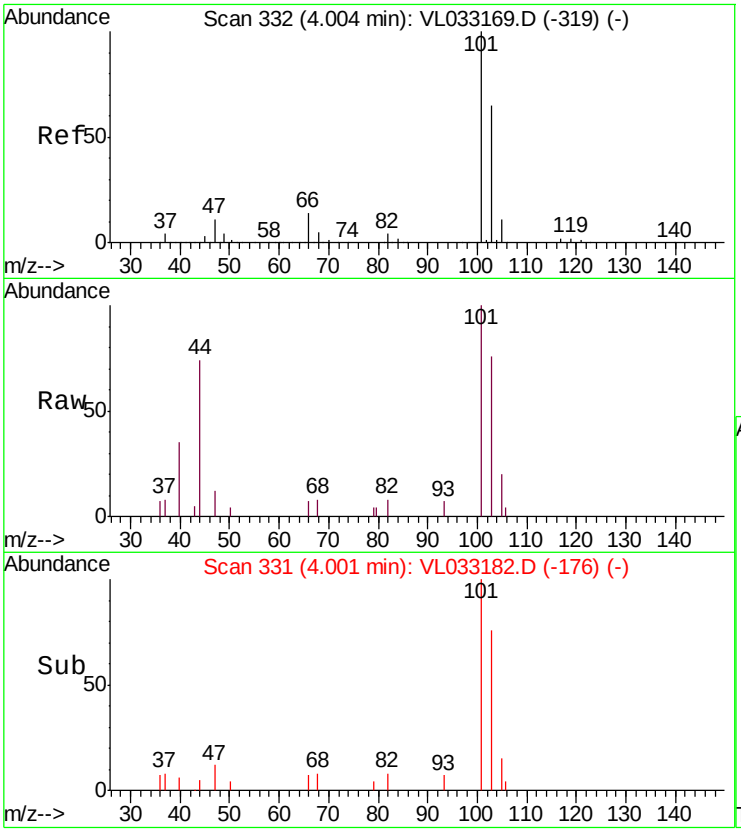


#9
Propene
Concen: 6.961 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 41 Resp: 388778

Ion	Ratio	Lower	Upper
41	100		
42	69.0	55.0	82.6



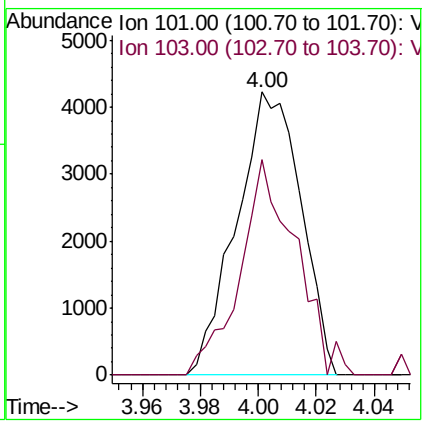


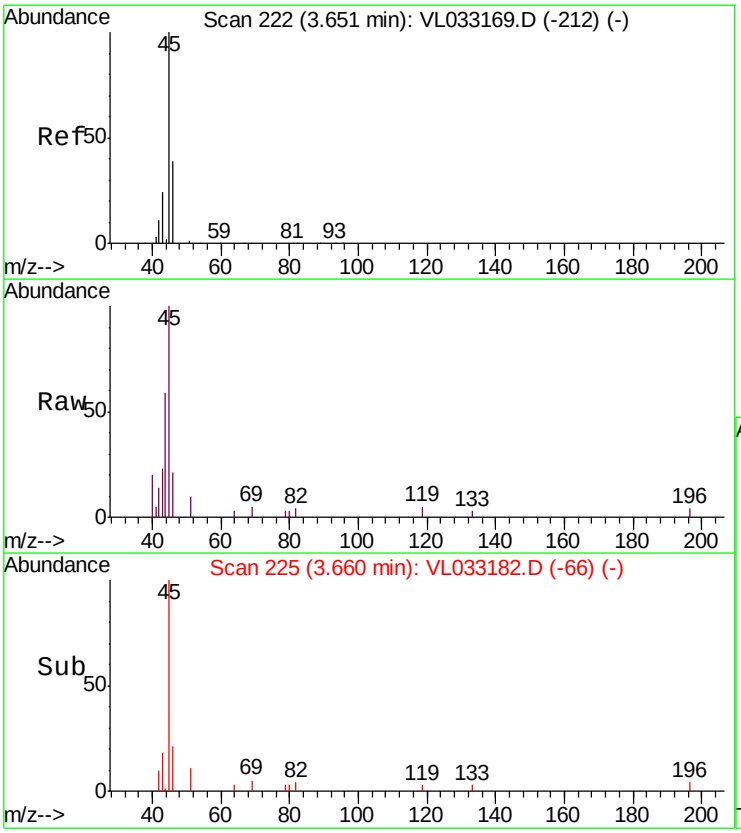
#11
Trichlorofluoromethane
Concen: 0.044 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:101 Resp: 6524

Ion	Ratio	Lower	Upper
101	100		
103	76.0	51.7	77.5

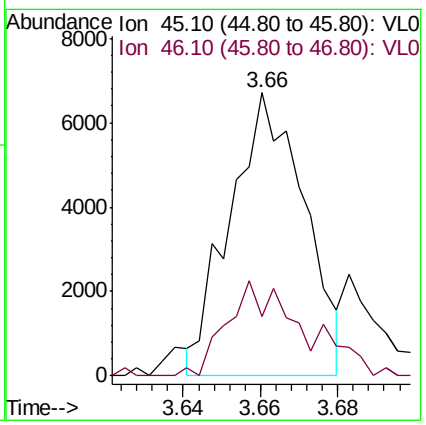


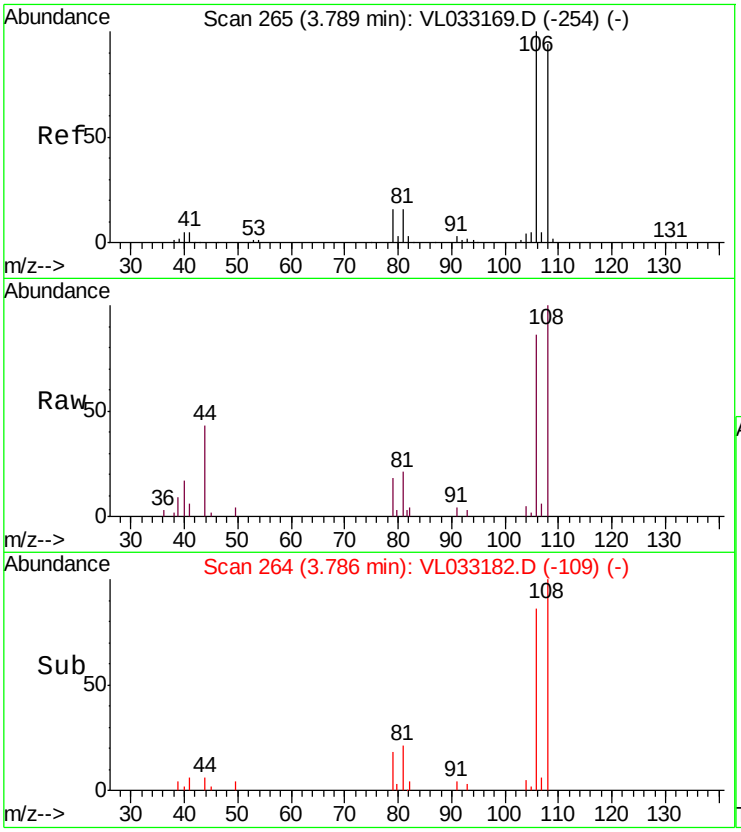


#13
Ethanol
Concen: 0.471 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 45 Resp: 8944

Ion	Ratio	Lower	Upper
45	100		
46	34.8	15.0	60.2



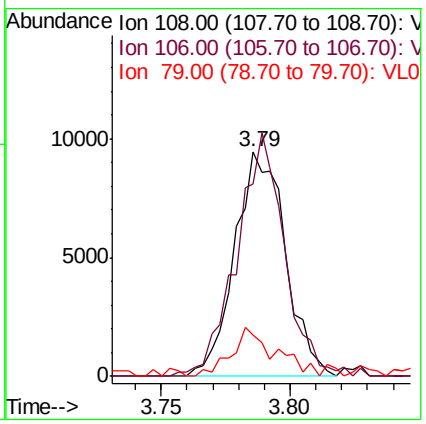


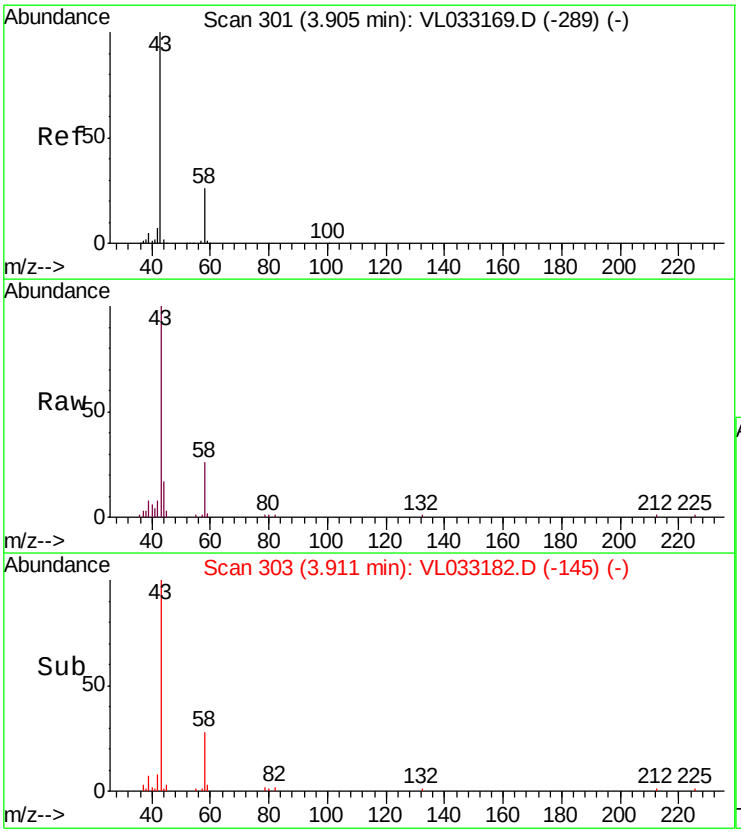
#14
Bromoethene
Concen: 0.292 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:108 Resp: 12948

Ion	Ratio	Lower	Upper
108	100		
106	102.1	86.0	129.0
79	21.7	14.5	21.7

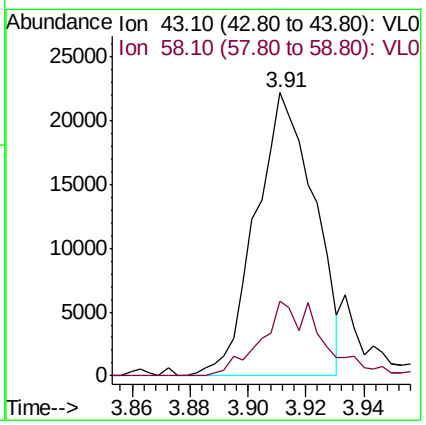


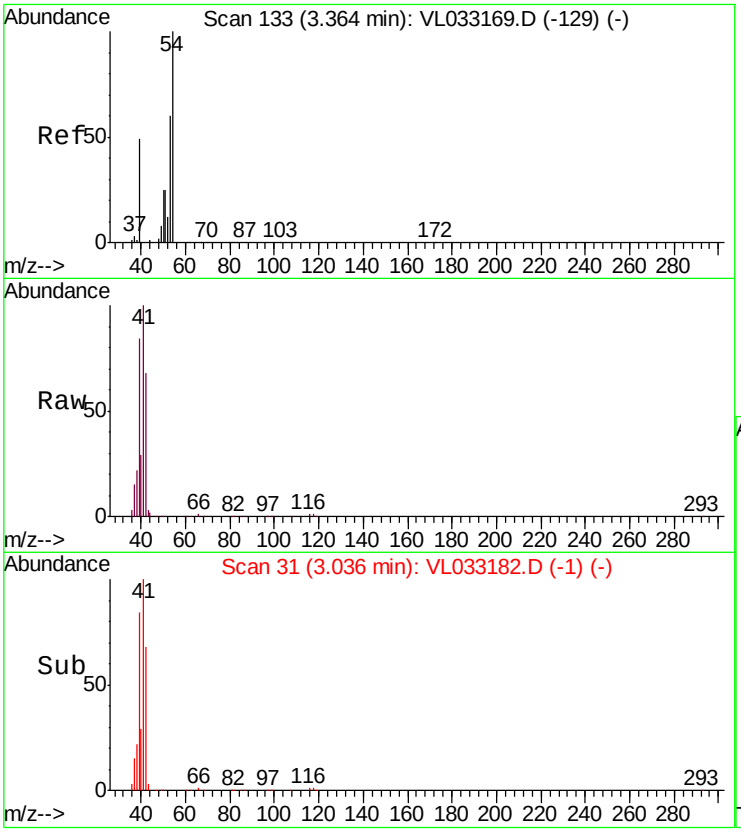


#15
Acetone
Concen: 0.287 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 43 Resp: 31089

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.1	31.7



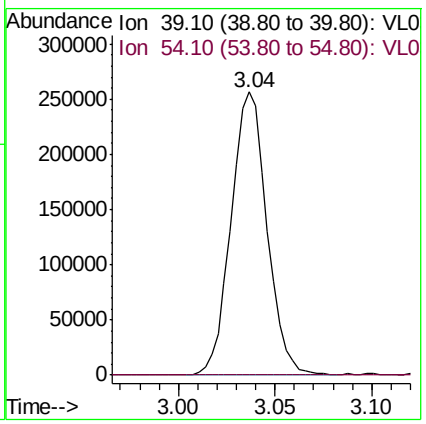


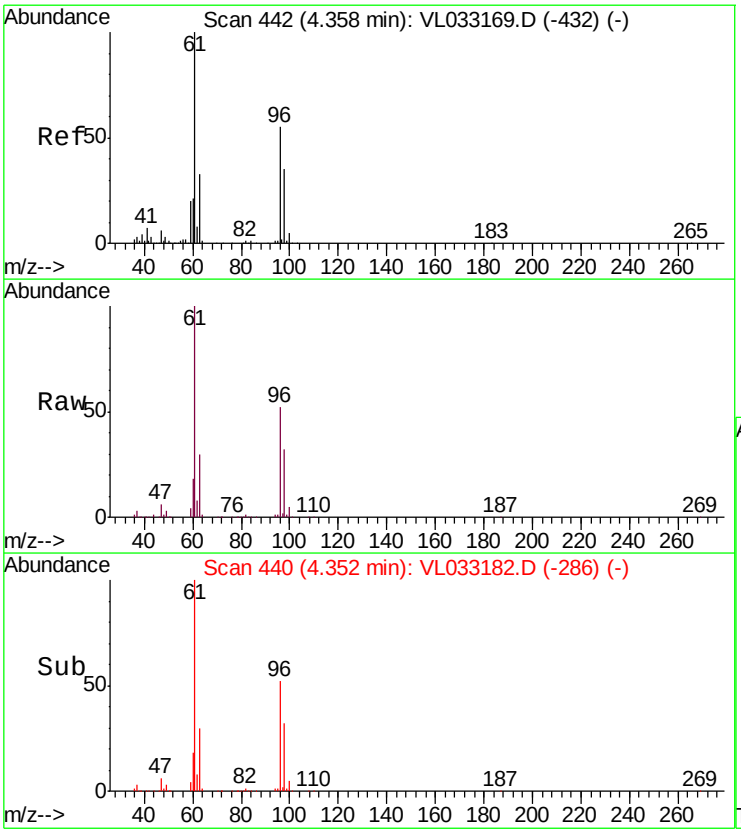
#16
1,3-Butadiene
Concen: 6.424 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.33 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 39 Resp: 329839

Ion	Ratio	Lower	Upper
39	100		
54	0.0	71.3	106.9#

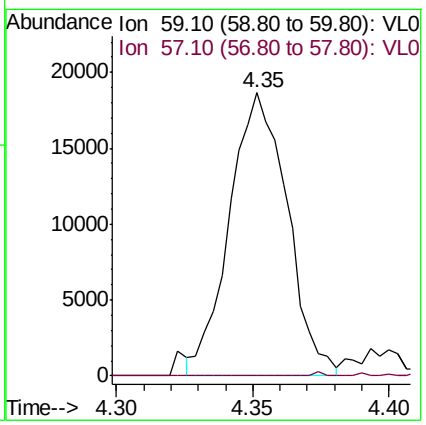


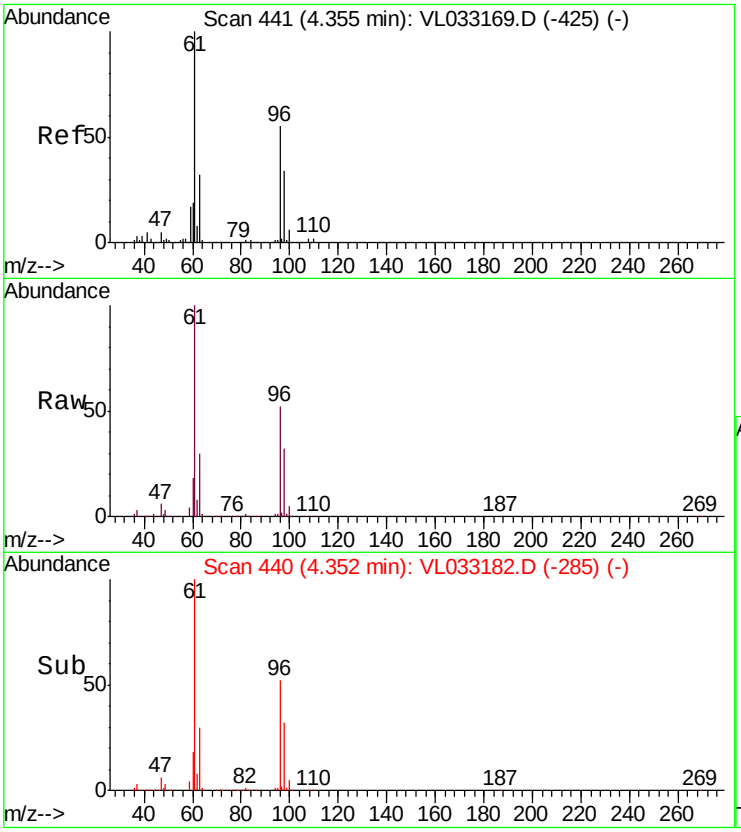


#17
tert-Butyl alcohol
Concen: 1.319 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 59 Resp: 27414

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#



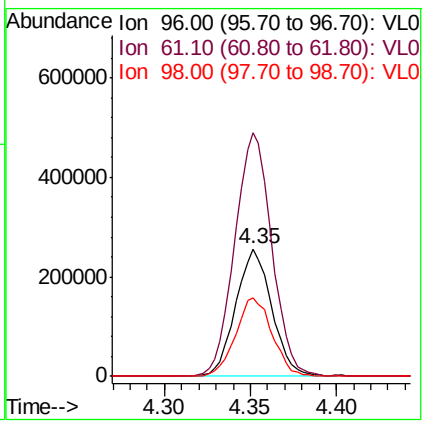


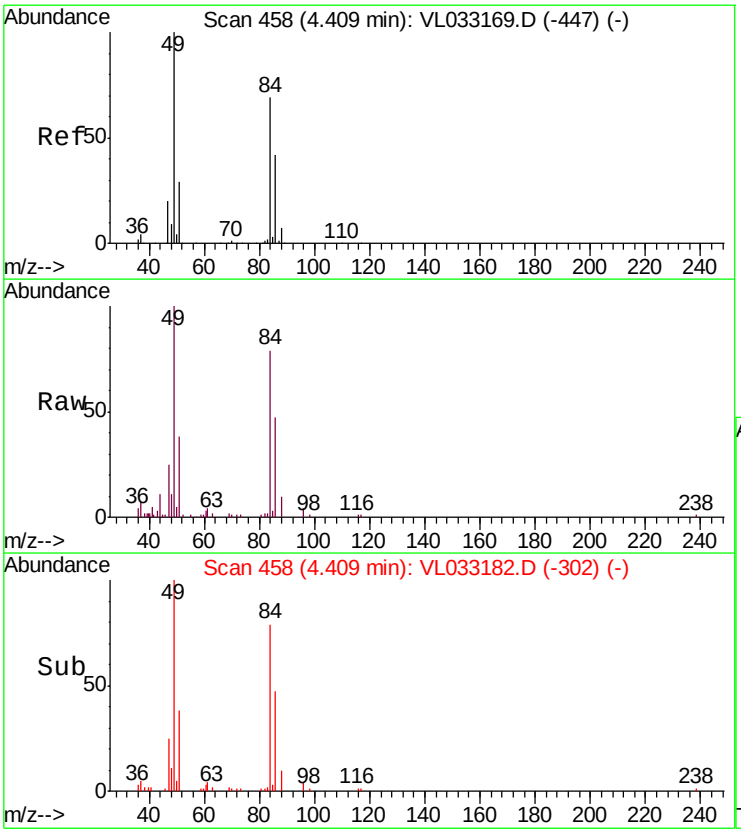
#18
1,1-Dichloroethene
Concen: 8.086 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 96 Resp: 372805

Ion	Ratio	Lower	Upper
96	100		
61	190.9	145.0	217.6
98	61.2	50.0	75.0

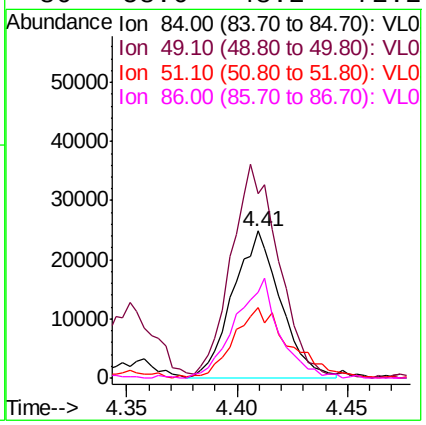


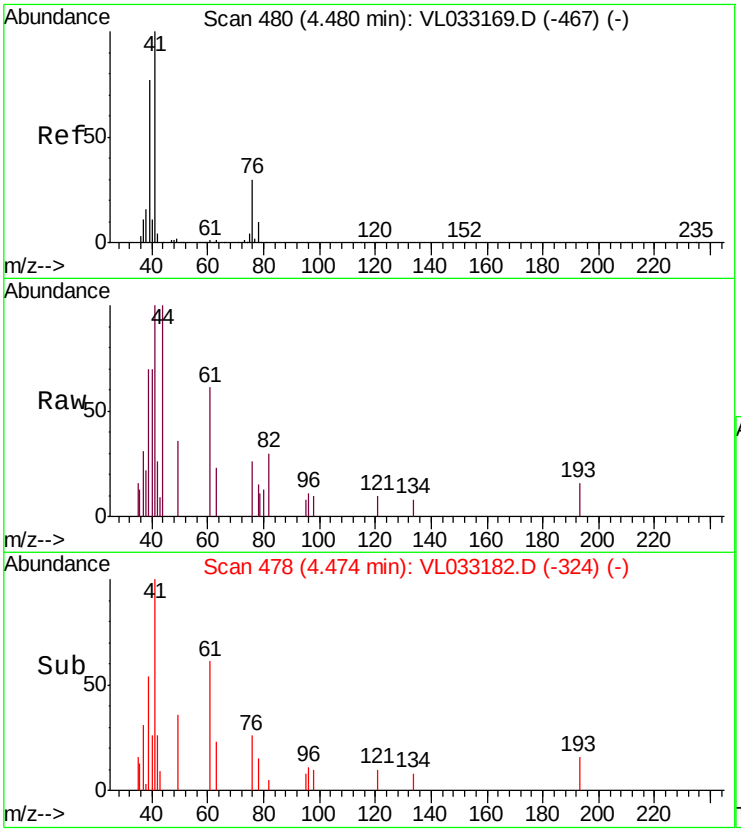


#20
Methylene Chloride
Concen: 0.871 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 84 Resp: 37473

Ion	Ratio	Lower	Upper
84	100		
49	122.1	115.8	173.8
51	47.3	33.0	49.6
86	58.6	48.2	72.2



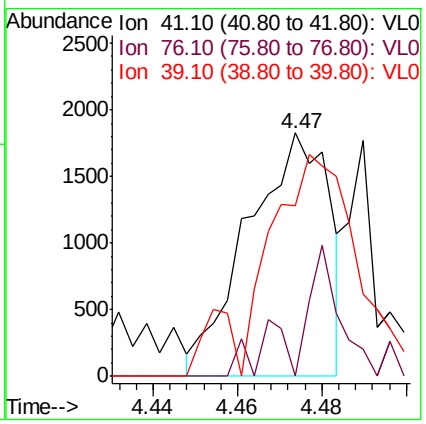


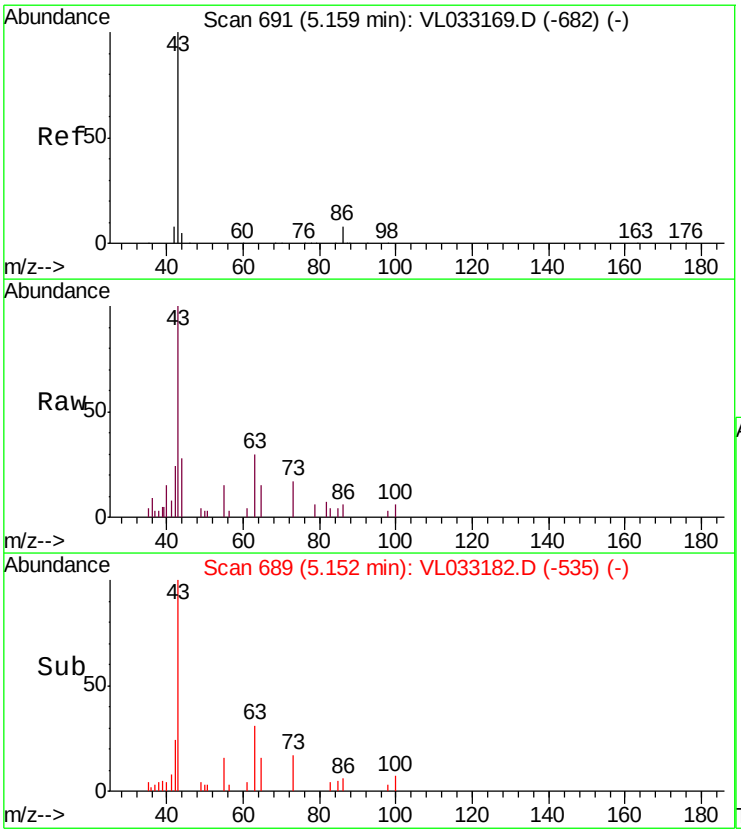
#21
Allyl Chloride
Concen: 0.034 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 41 Resp: 2437

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.5	36.7
39	111.3	64.1	96.1#

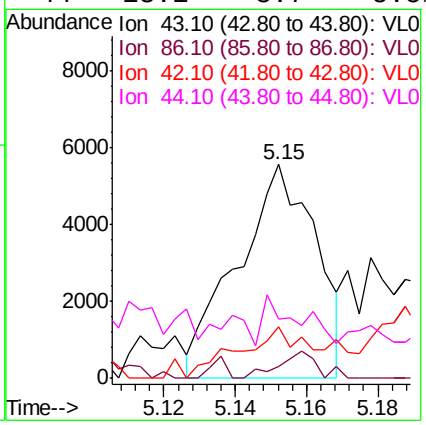


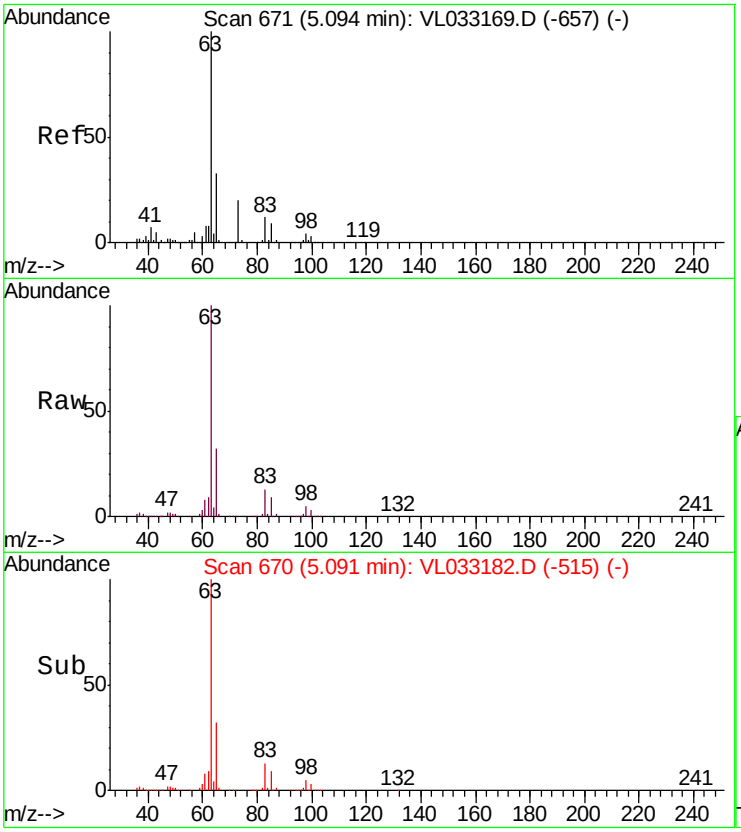


#23
Vinyl Acetate
Concen: 0.045 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 43 Resp: 8467

Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.8	8.8
42	26.7	7.4	11.0#
44	13.1	3.7	5.5#



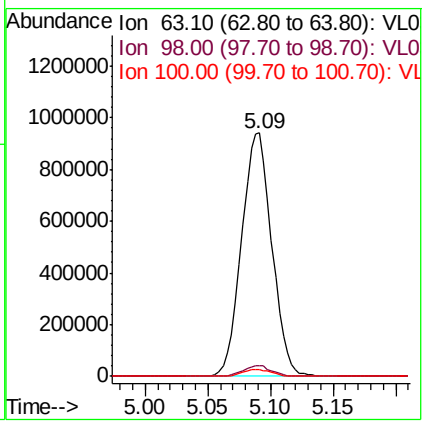


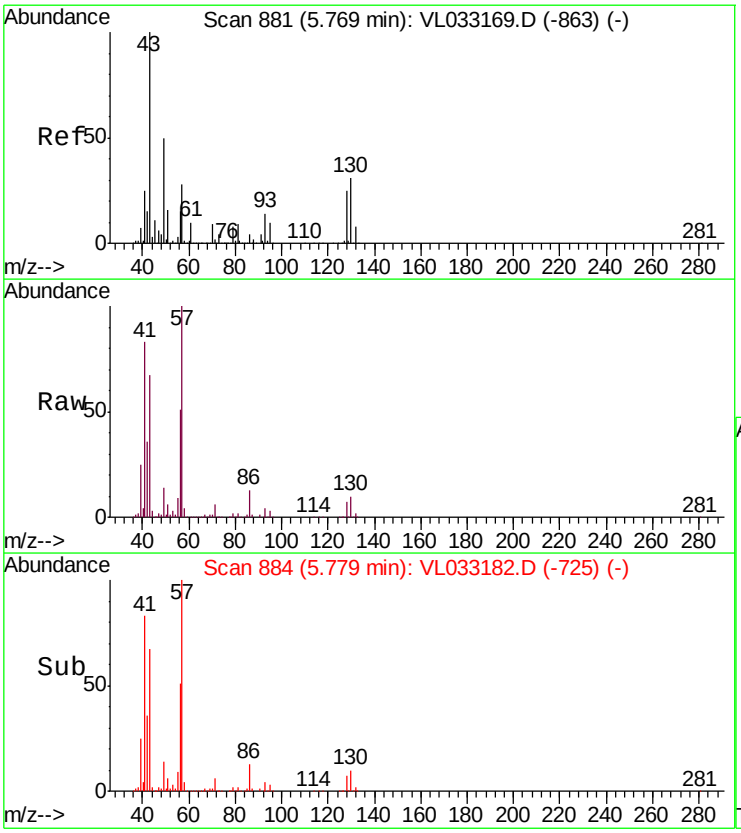
#24
1,1-Dichloroethane
Concen: 11.904 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 63 Resp: 1578560

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.5
100	2.7	1.4	4.2

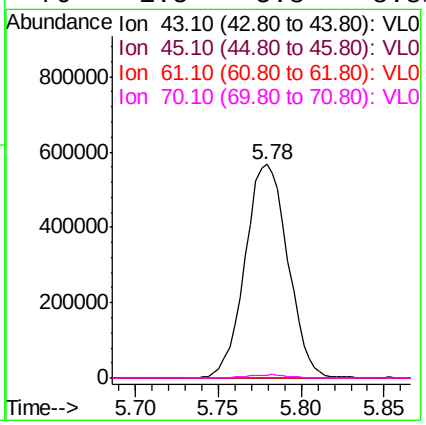


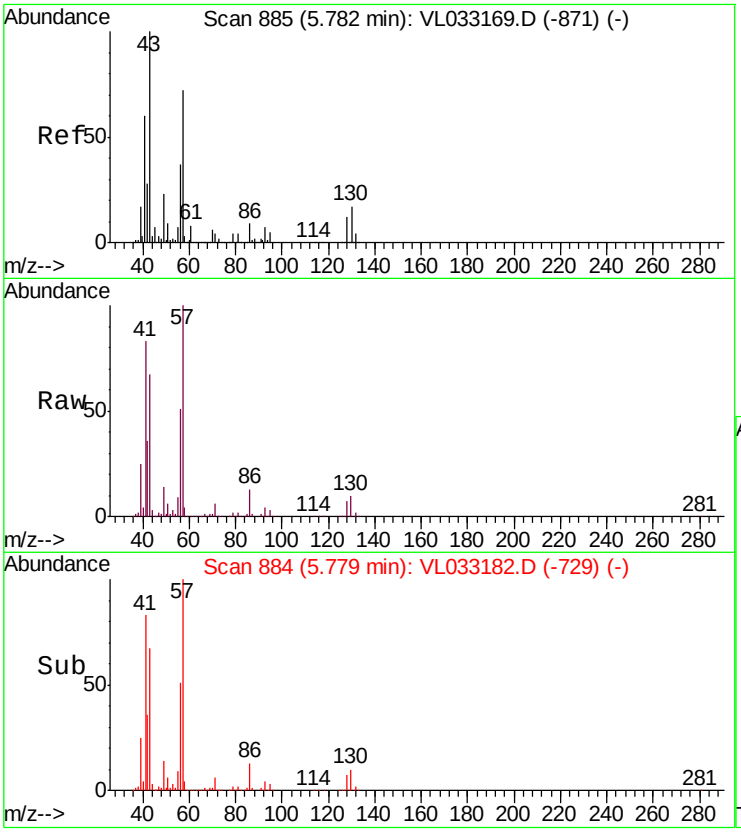


#25
Ethyl Acetate
Concen: 4.174 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 43 Resp: 1015205

Ion	Ratio	Lower	Upper
43	100		
45	0.2	7.9	11.9#
61	0.2	7.5	11.3#
70	1.5	5.8	8.8#



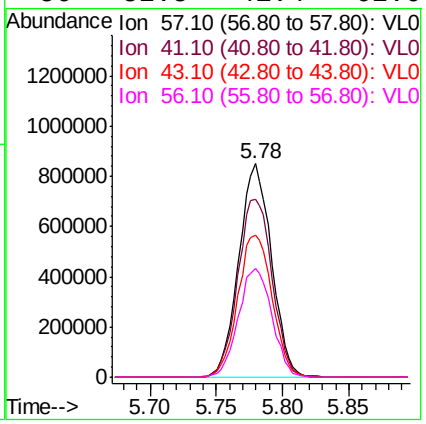


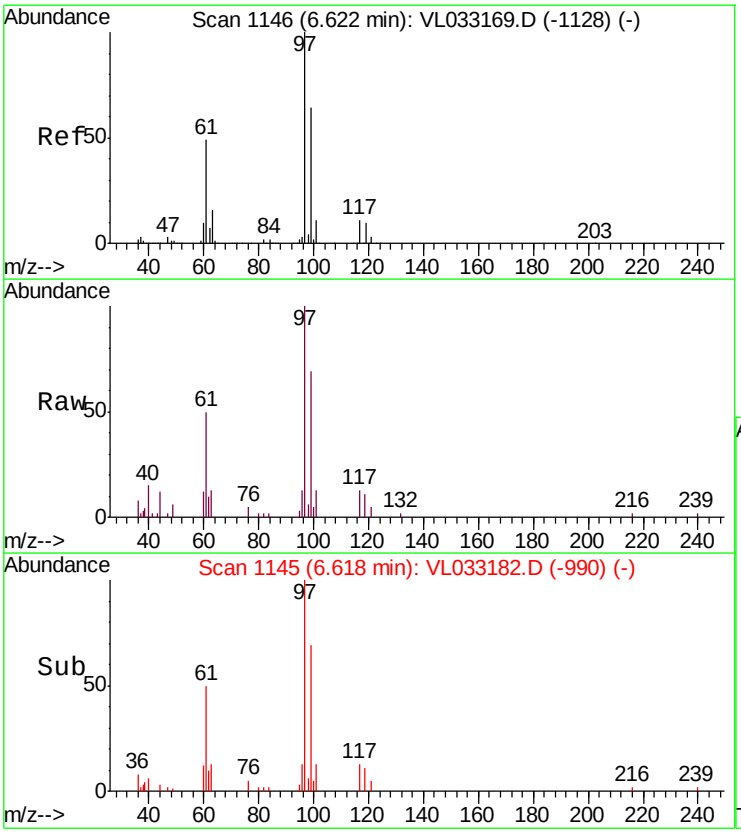
#26
Hexane
Concen: 12.755 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 57 Resp: 1456344

Ion	Ratio	Lower	Upper
57	100		
41	88.2	69.4	104.2
43	70.1	176.7	265.1#
56	52.5	41.4	62.0

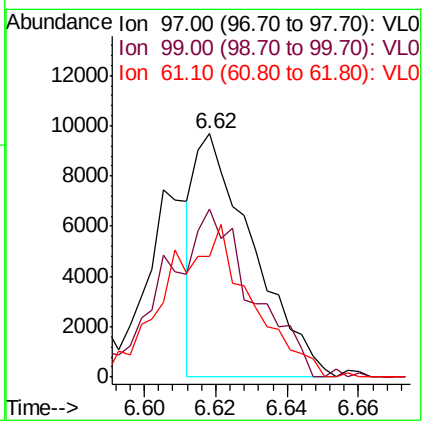


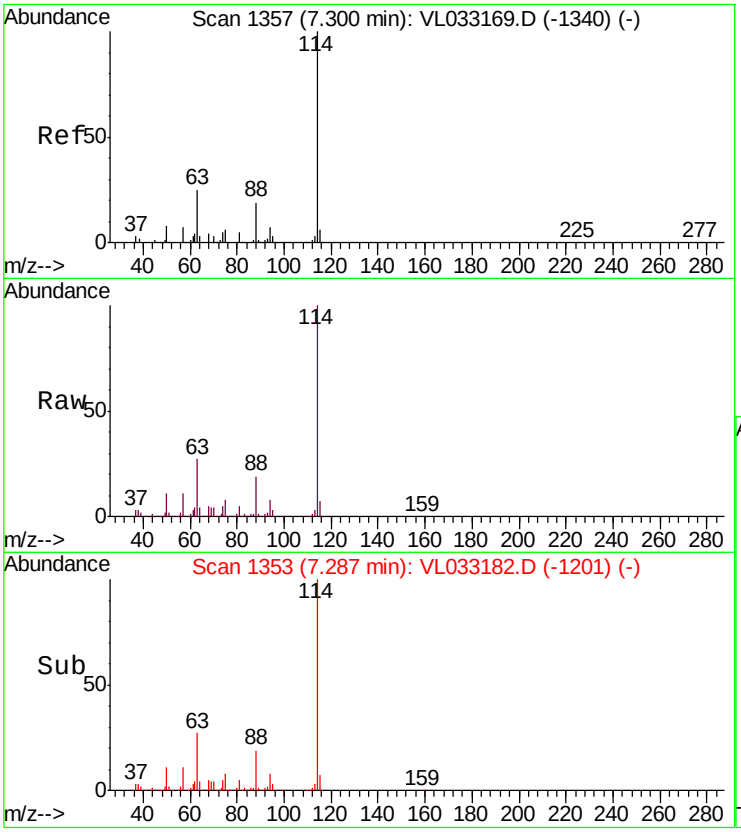


#32
1,1,1-Trichloroethane
Concen: 0.057 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 97 Resp: 10922

Ion	Ratio	Lower	Upper
97	100		
99	106.8	51.4	77.2#
61	91.1	38.8	58.2#



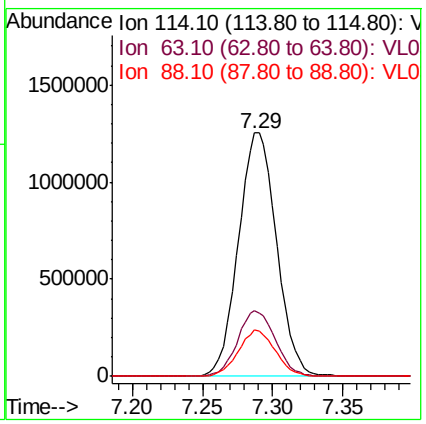


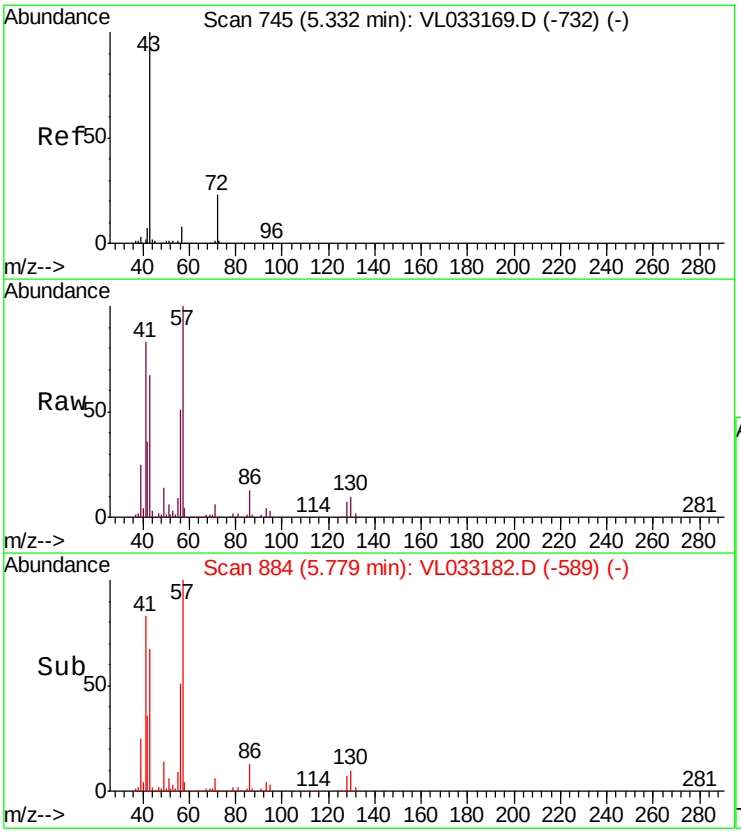
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:114 Resp: 2376399

Ion	Ratio	Lower	Upper
114	100		
63	26.9	20.8	31.2
88	18.5	14.6	22.0

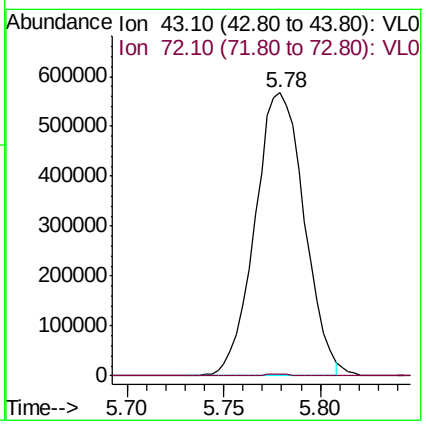


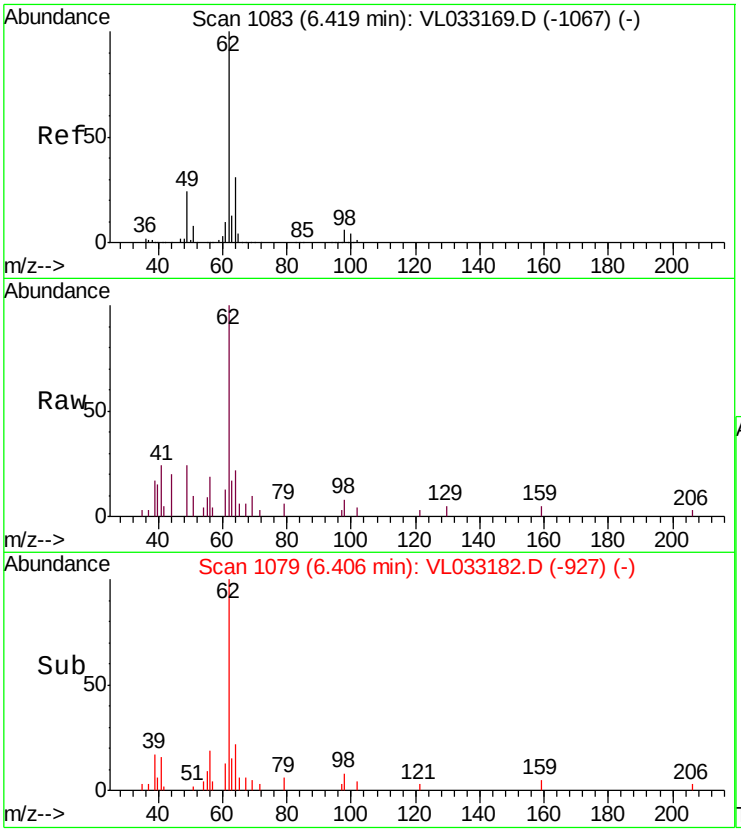


#34
2-Butanone
Concen: 6.695 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.45 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 43 Resp: 1009259

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#



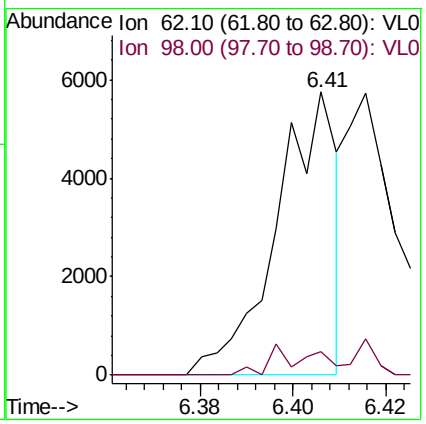


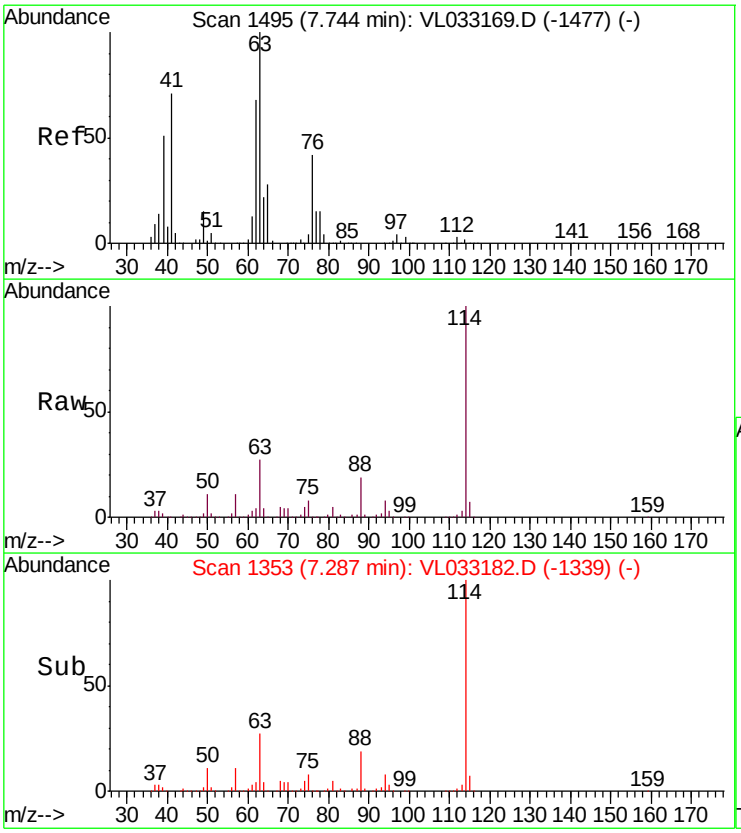
#37
1,2-Dichloroethane
Concen: 0.039 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 62 Resp: 5176

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.7	7.1#

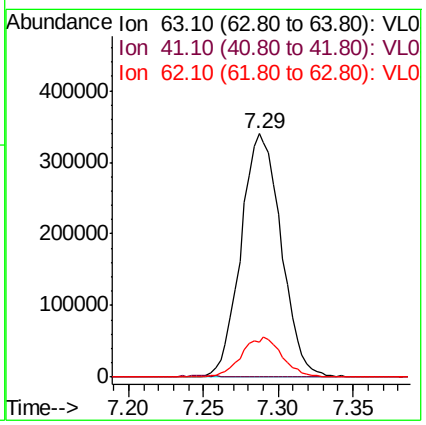


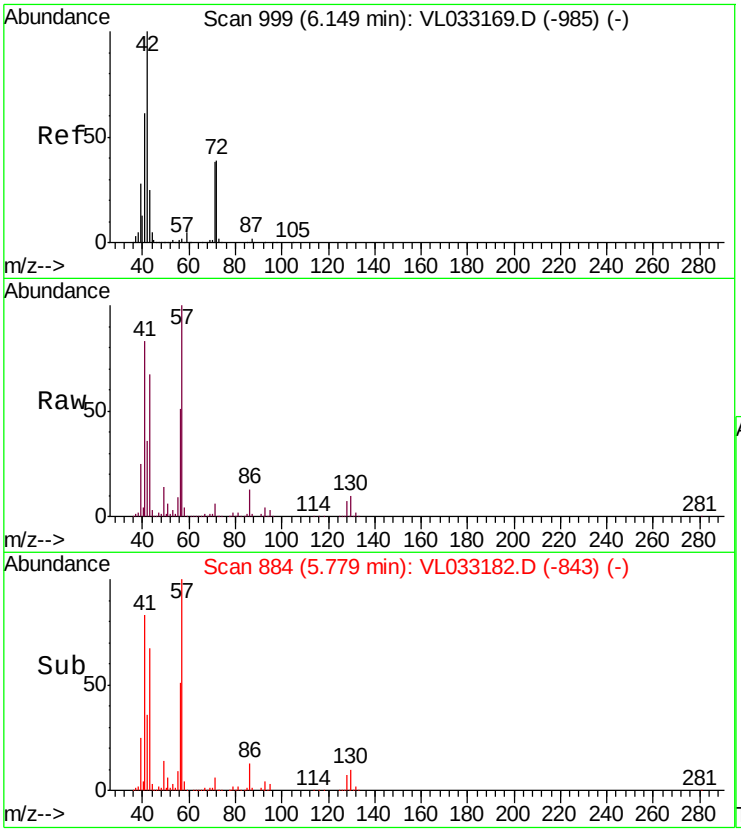


#39
1,2-Dichloropropane
Concen: 6.678 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.46 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 63 Resp: 635186

Ion	Ratio	Lower	Upper
63	100		
41	0.1	56.4	84.6#
62	14.4	54.2	81.4#



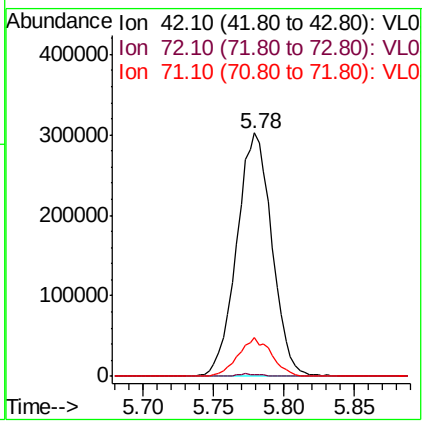


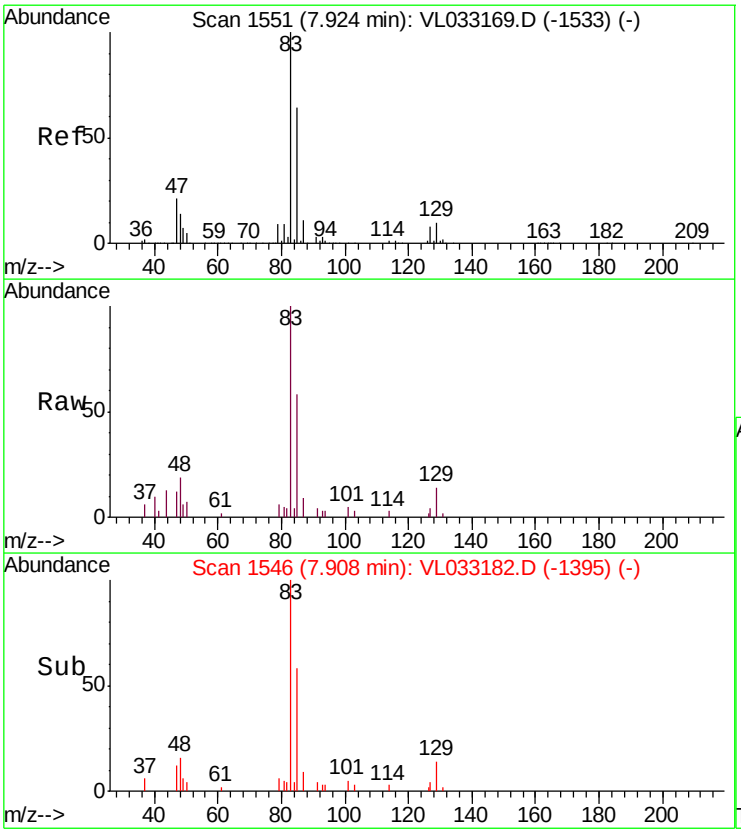
#41
Tetrahydrofuran
Concen: 5.687 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.37 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion: 42 Resp: 529920

Ion	Ratio	Lower	Upper
42	100		
72	0.9	31.4	47.2#
71	15.1	30.2	45.2#

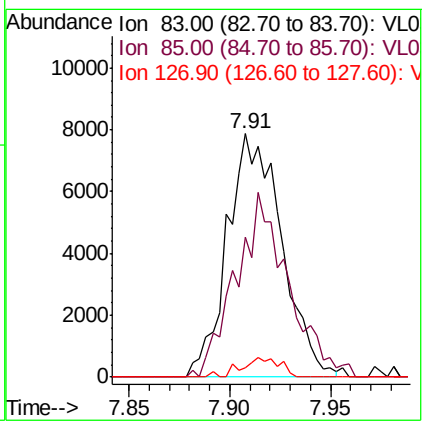


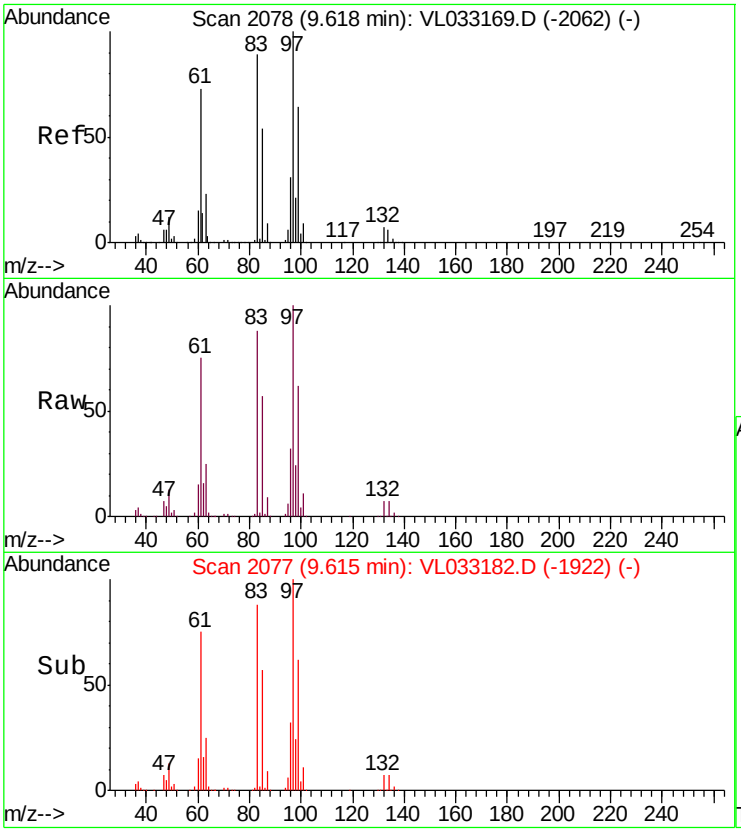


#42
Bromodichloromethane
Concen: 0.077 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. -0.02 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 83 Resp: 14846

Ion	Ratio	Lower	Upper
83	100		
85	57.7	51.1	76.7
127	4.0	6.4	9.6#



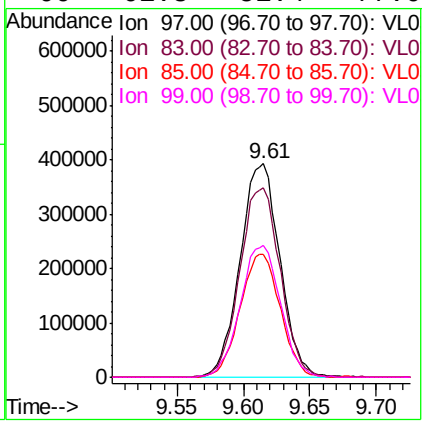


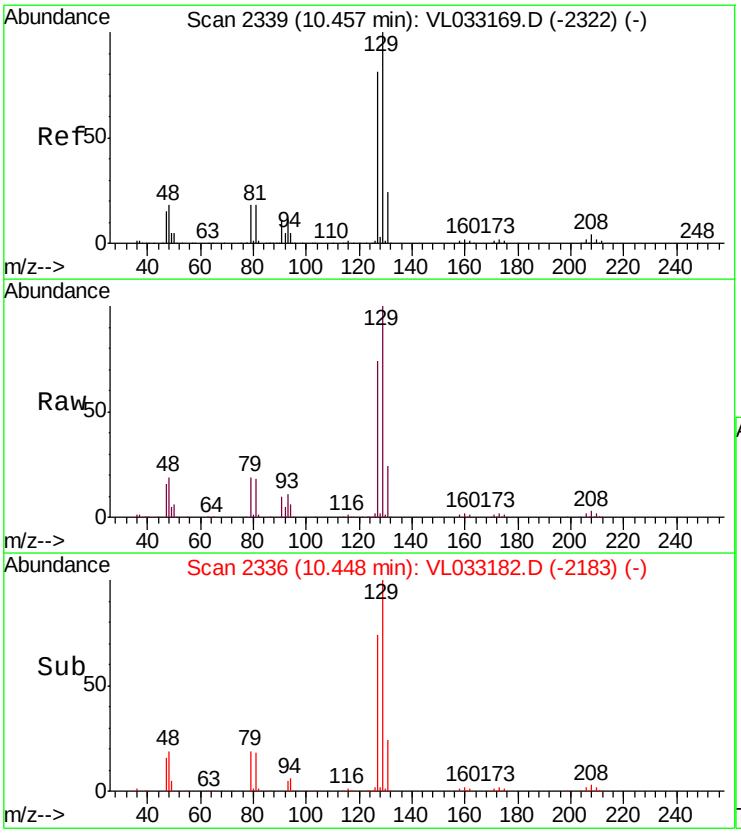
#47
1,1,2-Trichloroethane
Concen: 8.320 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion: 97 Resp: 820621

Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.4	107.2
85	57.1	43.5	65.3
99	61.8	51.4	77.0

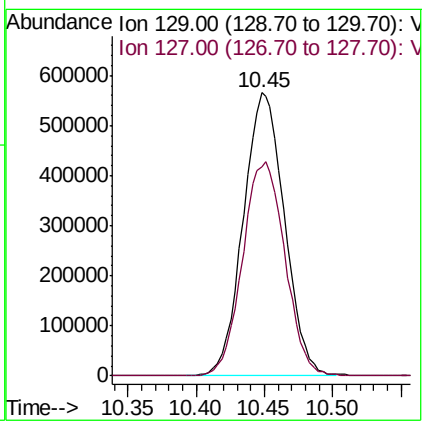


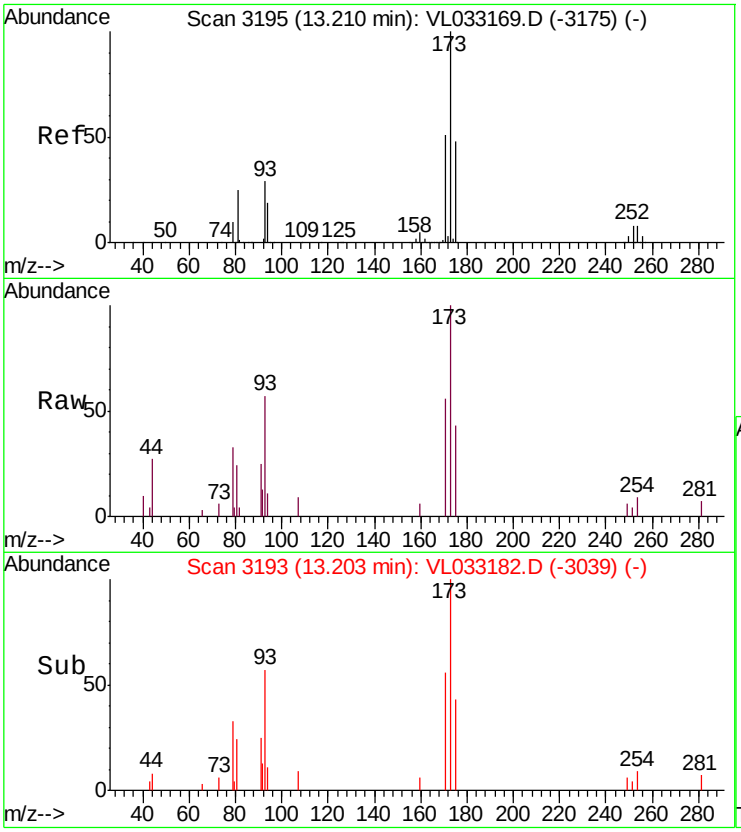


#48
Dibromochloromethane
Concen: 7.628 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion:129 Resp: 1185421

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.3



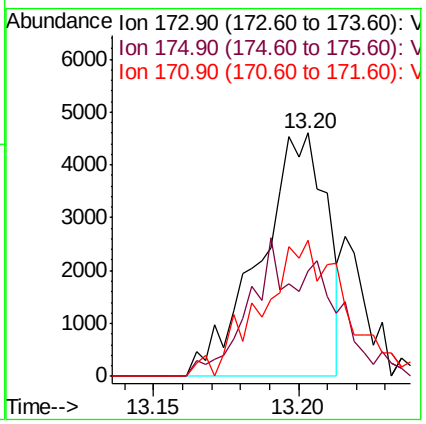


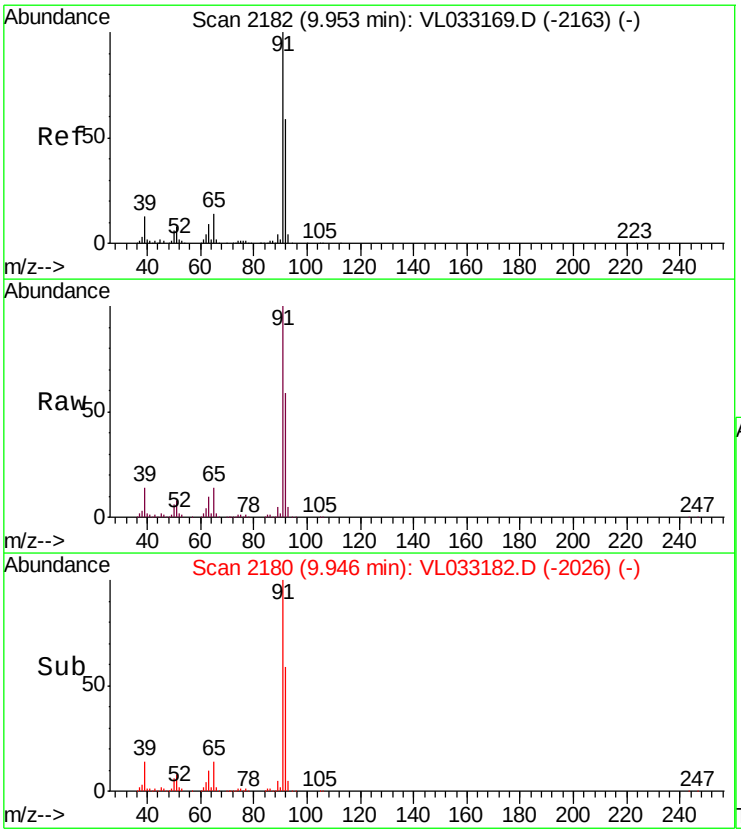
#49
Bromoform
Concen: 0.055 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument : MSVOA_L
ClientSampleId : 1000DL

Tgt Ion:173 Resp: 7334

Ion	Ratio	Lower	Upper
173	100		
175	63.9	38.6	58.0#
171	70.3	41.6	62.4#

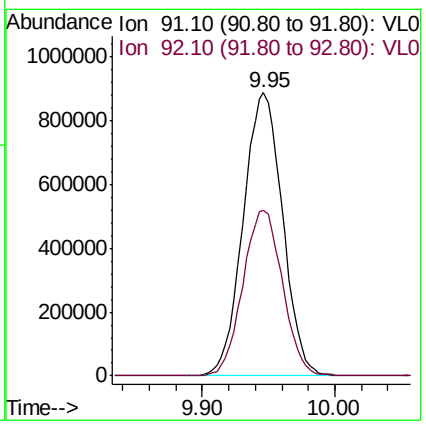


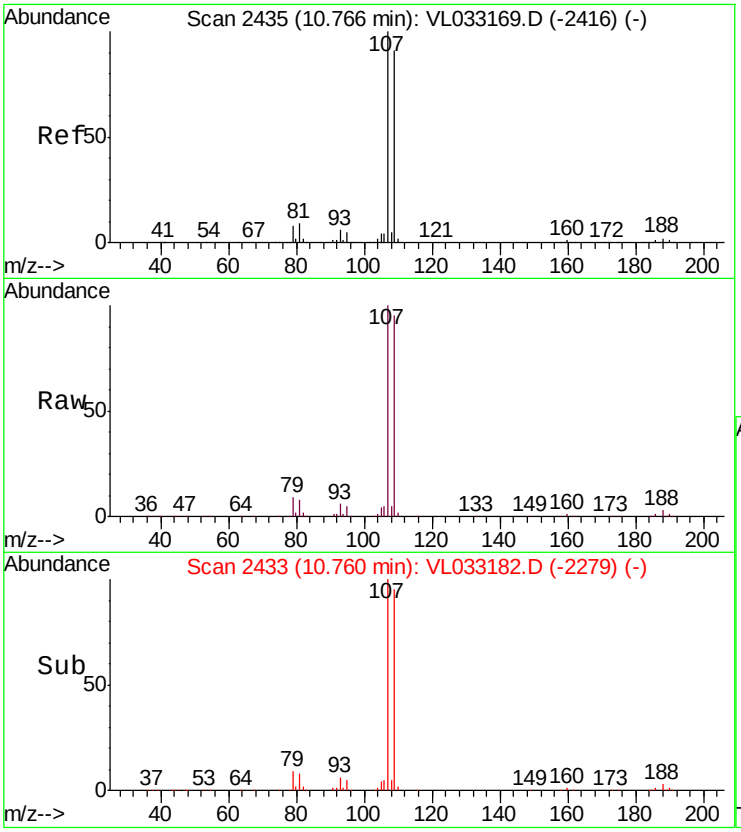


#53
Toluene
Concen: 6.436 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 91 Resp: 1835486

Ion	Ratio	Lower	Upper
91	100		
92	59.0	48.0	72.0



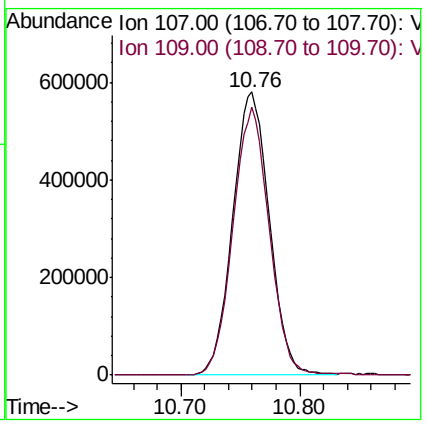


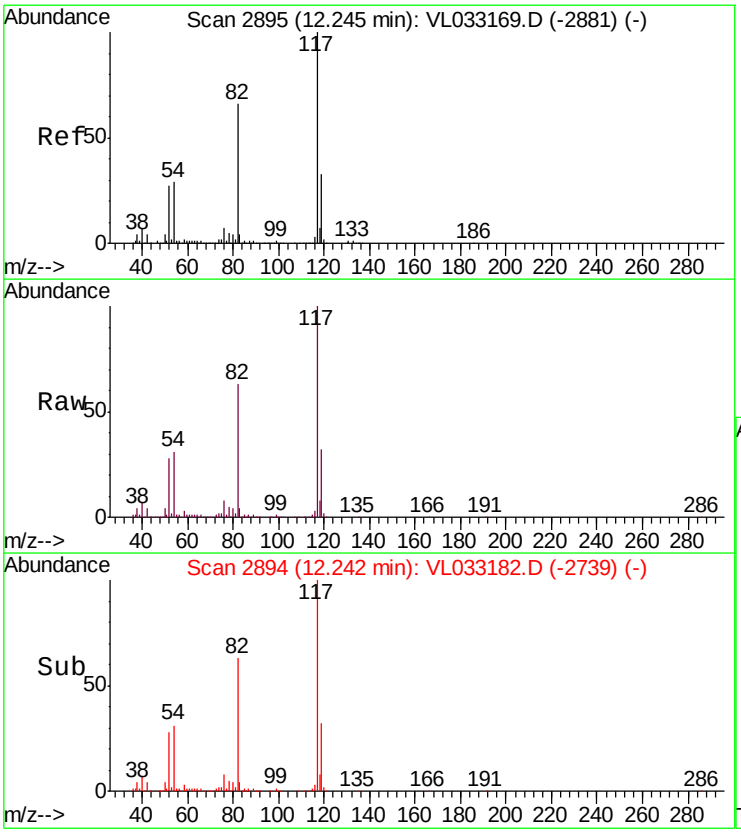
#54
1,2-Dibromoethane
Concen: 7.991 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:107 Resp: 1236898

Ion	Ratio	Lower	Upper
107	100		
109	94.5	73.2	109.8

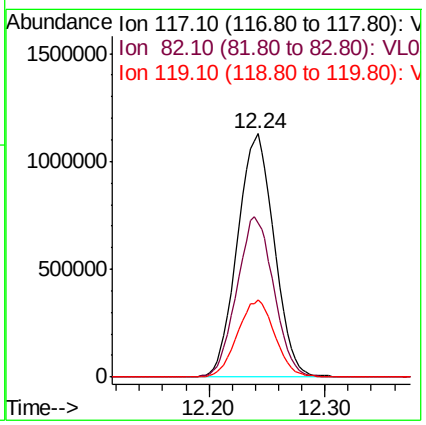


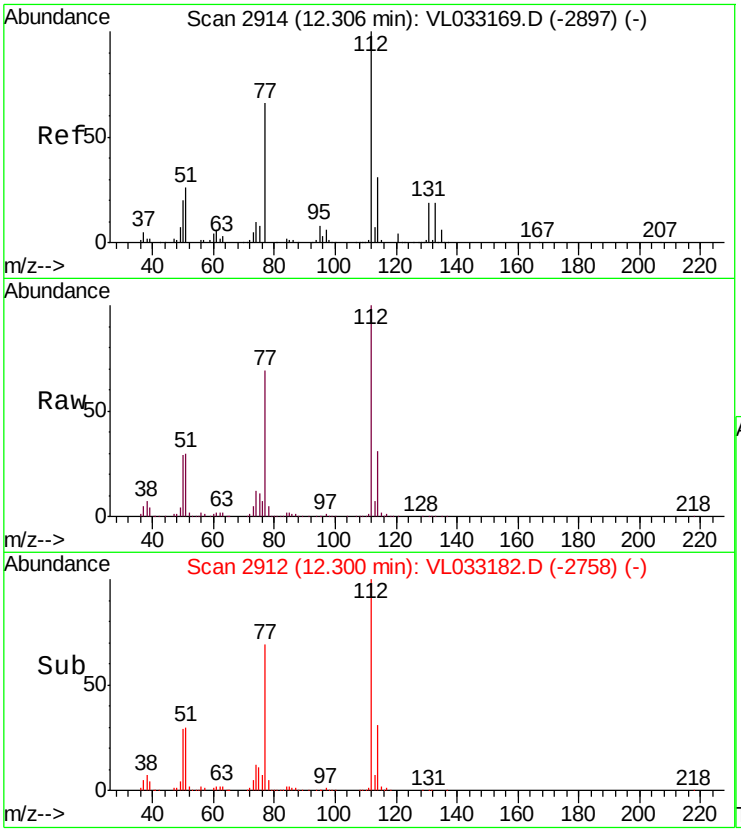


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion:117 Resp: 2489478

Ion	Ratio	Lower	Upper
117	100		
82	66.2	53.8	80.8
119	32.2	46.9	70.3#



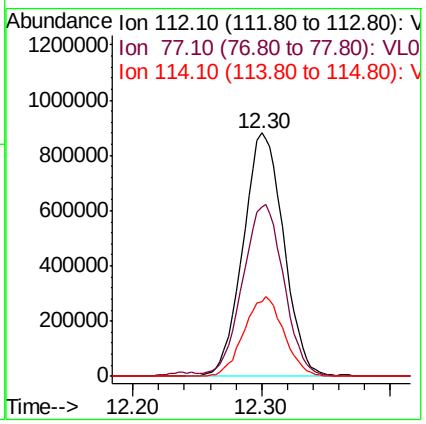


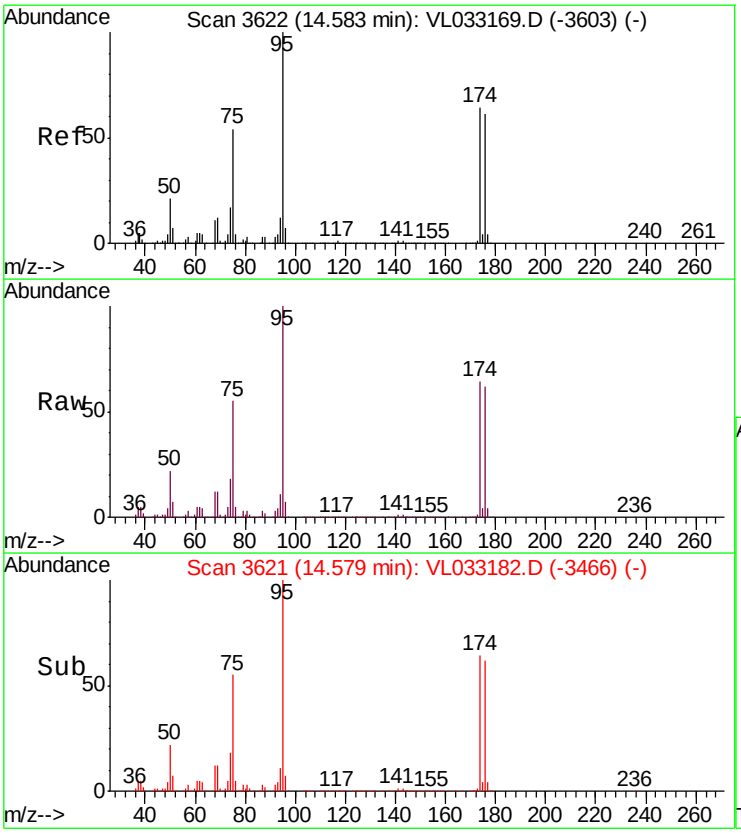
#57
Chlorobenzene
Concen: 8.773 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:112 Resp: 1932489

Ion	Ratio	Lower	Upper
112	100		
77	69.0	54.0	81.0
114	30.8	27.9	34.1

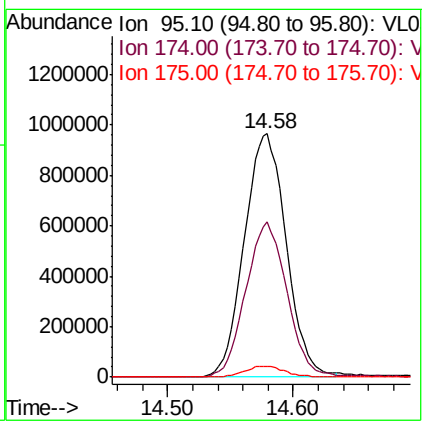


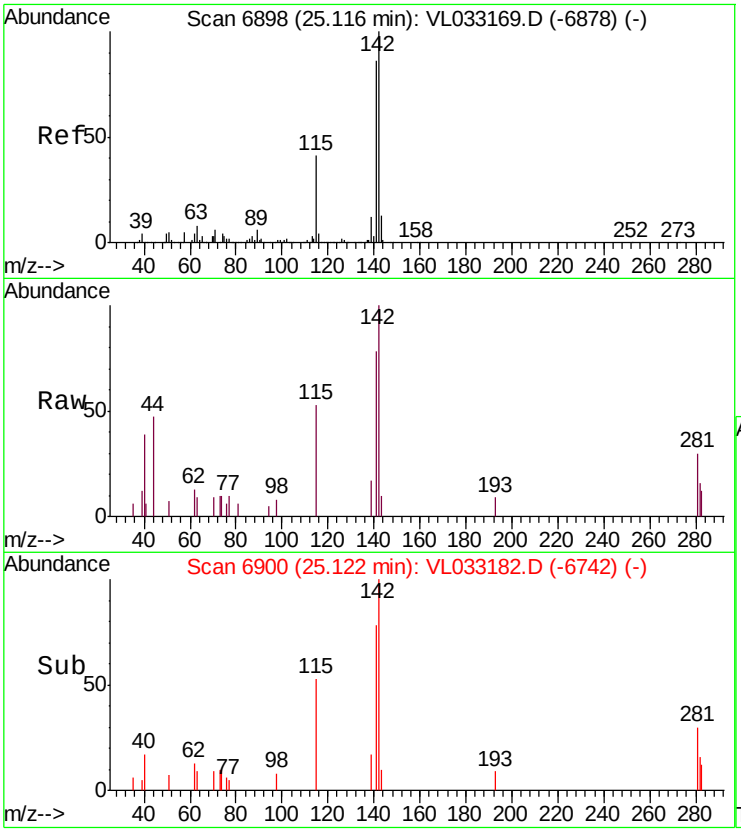


#68
1-Bromo-4-Fluorobenzene
Concen: 11.573 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Tgt Ion: 95 Resp: 2245173

Ion	Ratio	Lower	Upper
95	100		
174	63.5	51.1	76.7
175	4.5	3.8	5.6





#80
Naphthalene,2-methyl-
Concen: 0.032 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL033182.D
Acq: 6 Feb 2019 17:54

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tgt Ion:142 Resp: 6535

Ion	Ratio	Lower	Upper
142	100		
141	97.1	67.7	101.5
115	42.9	32.7	49.1