Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
Data File : VL033265.D
Acq On : 8 Mar 2019 19:35
Operator : SY/AP
Sample : VL0308ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Quant Time: Mar 09 03:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Mar 09 03:32:03 2019
QLast Update : Sat Mar 09 03:32:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1039546	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2379348	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3054894	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1987117	8.10	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2061689	10.491	ppbv	100
3) Chlorodifluoromethane	3.02	51	1232012	10.450	ppbv	100
4) Chloromethane	3.17	50	648685	10.560	ppbv	91
5) Vinyl Chloride	3.29	62	637500	10.350	ppbv	97
6) Bromomethane	3.52	94	400407	10.570	ppbv	95
7) Chloroethane	3.60	64	227293	10.206	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1551513	10.101	ppbv	99
9) Propene	3.04	41	549640	10.566	ppbv	98
10) Heptane	8.25	43	1314144	9.251	ppbv	100
11) Trichlorofluoromethane	4.00	101	1717154	10.003	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1092222	9.683	ppbv	100
13) Ethanol	3.65	45	109714	7.288	ppbv	99
14) Bromoethene	3.79	108	474776	10.253	ppbv	99
15) Acetone	3.90	43	1187004	9.622	ppbv	98
16) 1,3-Butadiene	3.36	39	574807	11.233	ppbv	98
17) tert-Butyl alcohol	4.36	59	179929	8.944	ppbv	99
18) 1,1-Dichloroethene	4.35	96	492896	9.980	ppbv	97
19) Isopropyl Alcohol	4.02	45	646797	8.732	ppbv #	99
20) Methylene Chloride	4.41	84	421535	8.325	ppbv	95
21) Allyl Chloride	4.48	41	777160	10.490	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	503099	9.933	ppbv	96
23) Vinyl Acetate	5.16	43	1832959	10.372	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1253521	9.662	ppbv	99
25) Ethyl Acetate	5.77	43	2159189	9.164	ppbv	100
26) Hexane	5.78	57	960688	8.654	ppbv	99
27) Carbon Disulfide	4.62	76	1246827	11.091	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1440260	10.099	ppbv	100
29) Chloroform	5.85	83	1598885	9.438	ppbv	100
30) Cyclohexane	7.25	84	422267	4.913	ppbv #	3
31) cis-1,2-Dichloroethene	5.64	61	1019387	9.695	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1595522	9.973	ppbv	99
34) 2-Butanone	5.33	43	1473249	10.242	ppbv	99
35) Carbon Tetrachloride	7.14	117	1640864	10.160	ppbv	93
36) Benzene	7.01	78	2018418	9.854	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1251259	9.487	ppbv	100
38) Trichloroethene	7.96	130	749719	9.432	ppbv	98
39) 1,2-Dichloropropane	7.74	63	775805	9.646	ppbv	98
40) 1,4-Dioxane	7.96	88	257364	8.682	ppbv	88
41) Tetrahydrofuran	6.15	42	836535	10.293	ppbv	99
42) Bromodichloromethane	7.92	83	1790651	9.967	ppbv	99
43) Methyl Methacrylate	8.14	69	845052	10.254	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
Data File : VL033265.D
Acq On : 8 Mar 2019 19:35
Operator : SY/AP
Sample : VL0308ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Quant Time: Mar 09 03:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Mar 09 03:32:03 2019
QLast Update : Sat Mar 09 03:32:03 2019
Response via : Initial Calibration

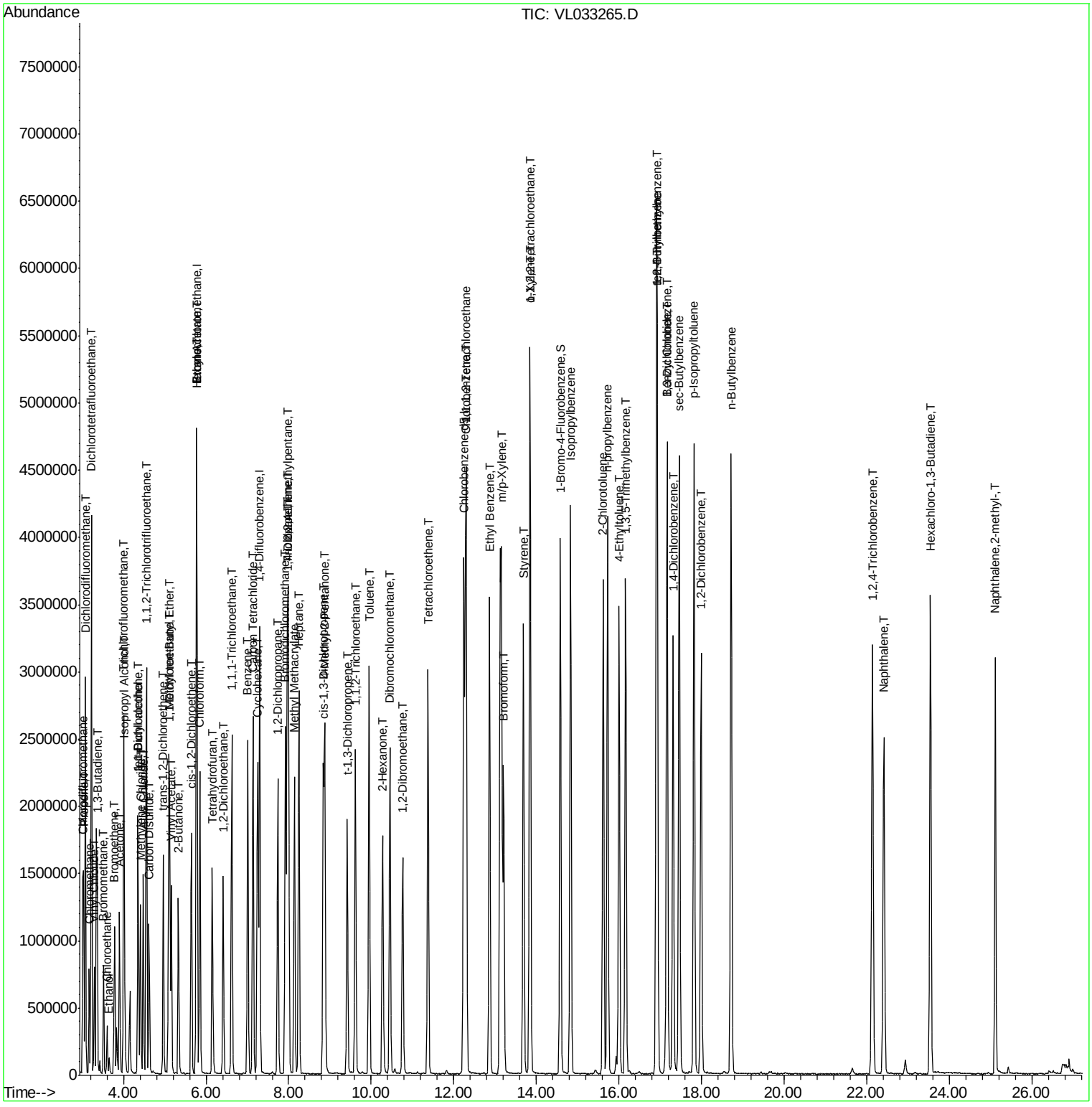
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3426551	9.413	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1135742	11.379	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1280276	10.899	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	846844	9.811	ppbv		97
48) Dibromochloromethane	10.45	129	1518597	10.731	ppbv		99
49) Bromoform	13.20	173	1314070	10.434	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2130742	9.790	ppbv		100
51) 2-Hexanone	10.27	43	1732396	10.678	ppbv	#	99
52) Tetrachloroethene	11.37	164	740318	9.700	ppbv		98
53) Toluene	9.95	91	2446084	10.426	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1351910	9.999	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.28	131	1037080	8.110	ppbv		99
57) Chlorobenzene	12.31	112	1759670	7.855	ppbv		99
58) Ethyl Benzene	12.87	91	3343305	8.088	ppbv		97
59) m/p-Xylene	13.15	91	2395978	6.403	ppbv	#	32
60) o-Xylene	13.85	91	2697790	7.446	ppbv		99
61) Styrene	13.69	104	2010309	8.155	ppbv		100
62) Isopropylbenzene	14.83	105	3800885	7.856	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1832303	7.862	ppbv		100
64) n-propylbenzene	15.72	120	958835	8.105	ppbv		99
65) tert-Butylbenzene	16.91	119	3247849	7.982	ppbv		100
66) Benzyl Chloride	17.16	91	1669759	10.952	ppbv		100
67) sec-Butylbenzene	17.46	105	4635369	8.012	ppbv		99
69) p-Isopropyltoluene	17.82	119	3812812	8.121	ppbv		99
70) n-Butylbenzene	18.71	91	4094345	8.046	ppbv		100
71) 2-Chlorotoluene	15.62	91	2946660	8.140	ppbv		99
72) 4-Ethyltoluene	16.00	105	3116527	8.261	ppbv		100
73) 1,3,5-Trimethylbenzene	16.16	105	2971409	8.267	ppbv		96
74) 1,2,4-Trimethylbenzene	16.93	105	2991486	7.998	ppbv		94
75) 1,3-Dichlorobenzene	17.17	146	1691327	7.652	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1701930	7.863	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1664383	7.822	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	946743	5.874	ppbv		99
79) Naphthalene	22.41	128	3252430	7.975	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	1700619	17.039	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1531207	7.280	ppbv		100

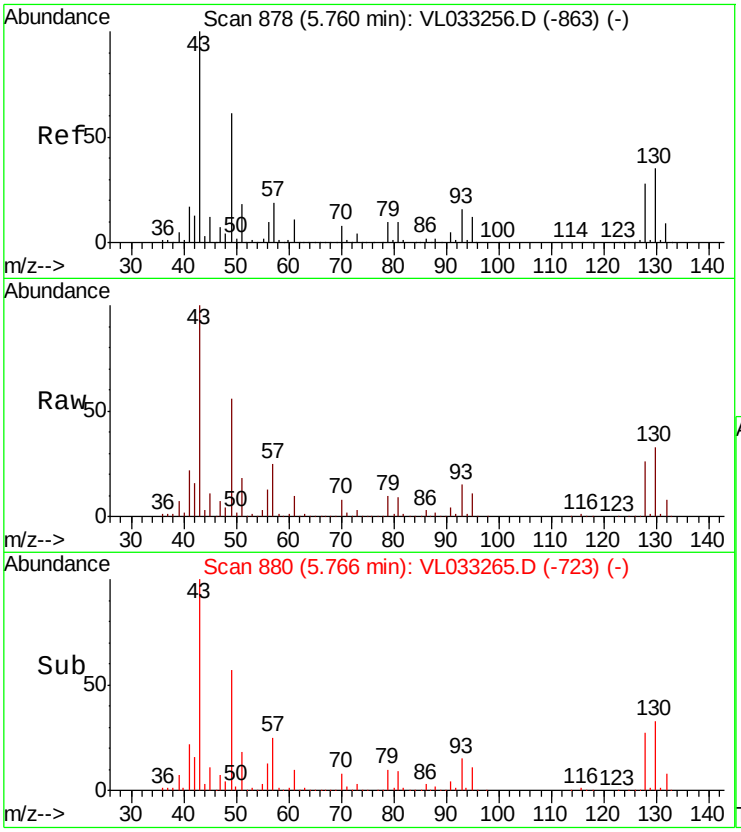
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030819\
Data File : VL033265.D
Acq On : 8 Mar 2019 19:35
Operator : SY/AP
Sample : VL0308ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Quant Time: Mar 09 03:44:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030819AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Mar 09 03:32:03 2019
QLast Update : Sat Mar 09 03:32:03 2019
Response via : Initial Calibration



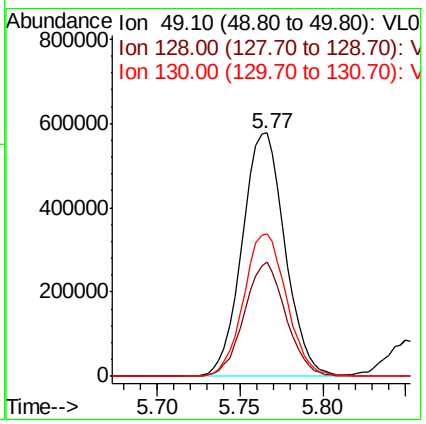


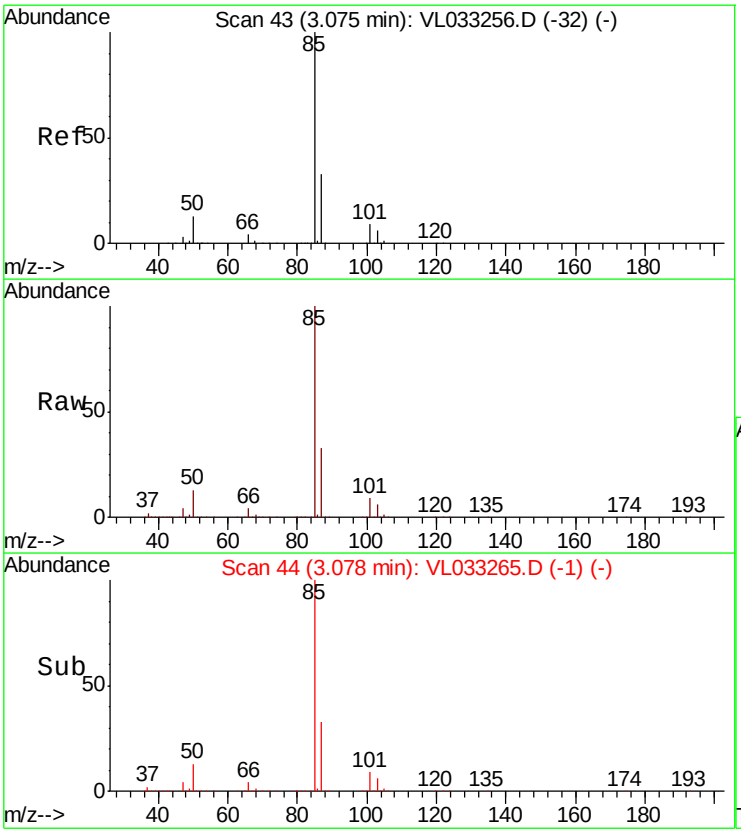
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 49 Resp: 1039546

Ion	Ratio	Lower	Upper
49	100		
128	45.5	22.5	67.5
130	58.9	29.1	87.4

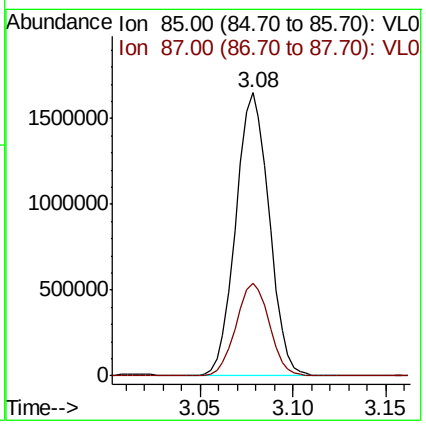


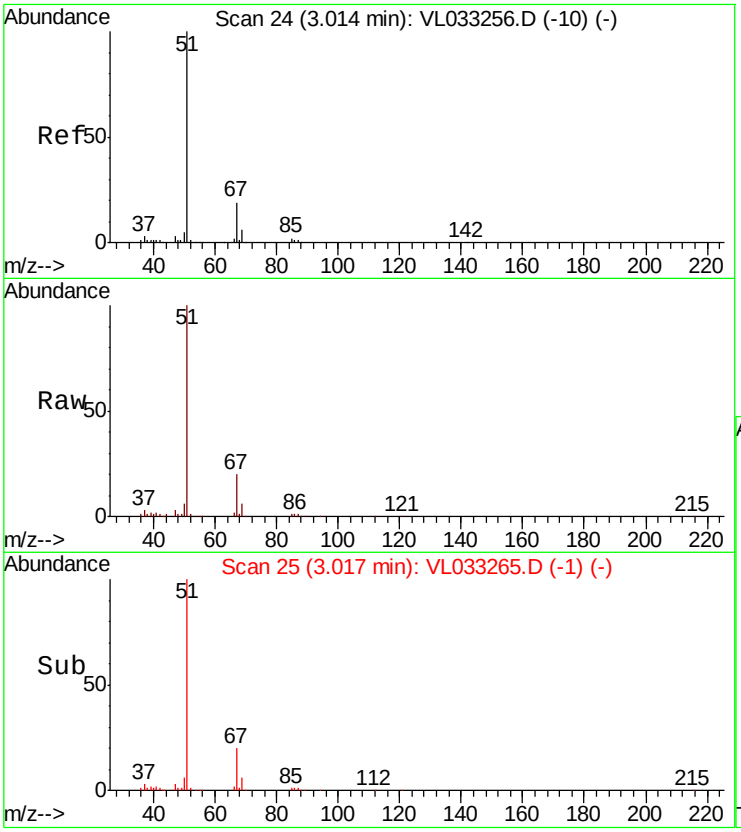


#2
Dichlorodifluoromethane
Concen: 10.491 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 85 Resp: 2061689

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.2	39.4



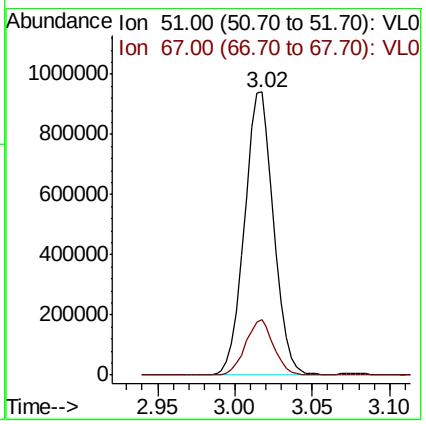


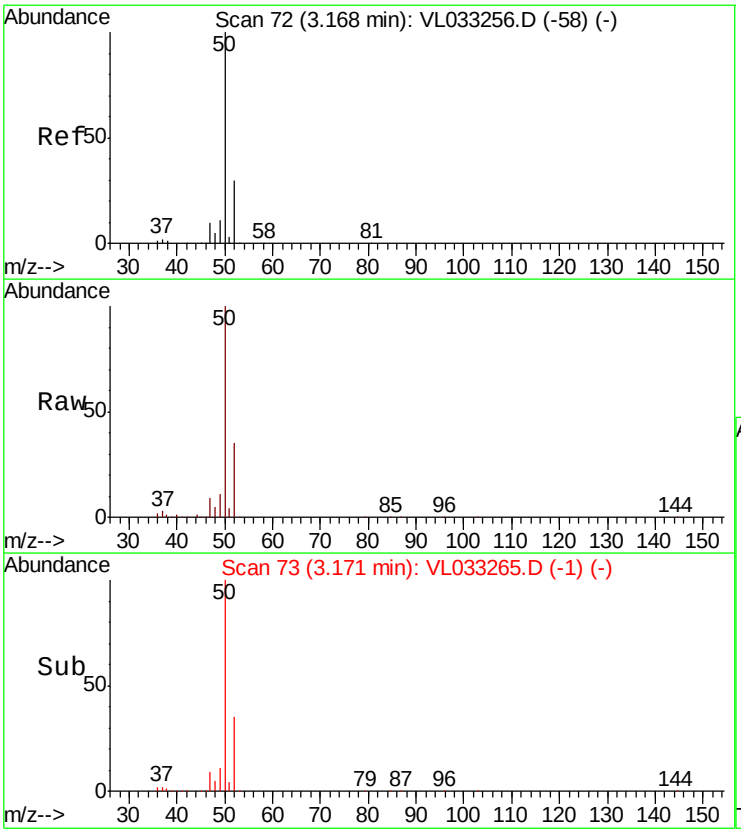
#3
Chlorodifluoromethane
Concen: 10.450 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 51 Resp: 1232012

Ion	Ratio	Lower	Upper
51	100		
67	18.9	15.0	22.6

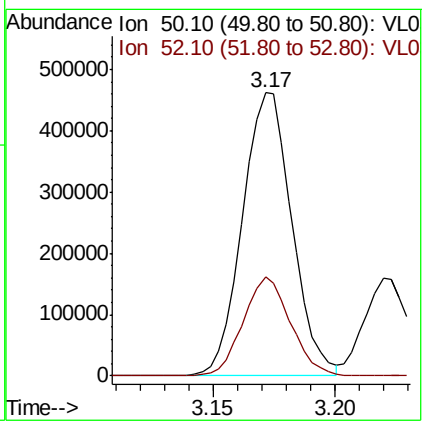


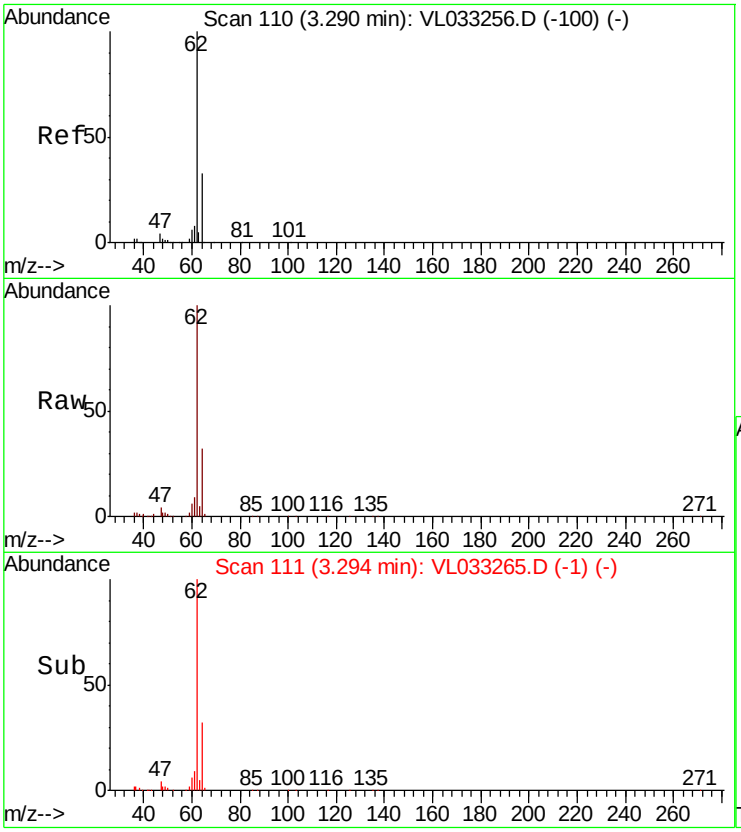


#4
Chloromethane
Concen: 10.560 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 50 Resp: 648685

Ion	Ratio	Lower	Upper
50	100		
52	35.0	24.2	36.2



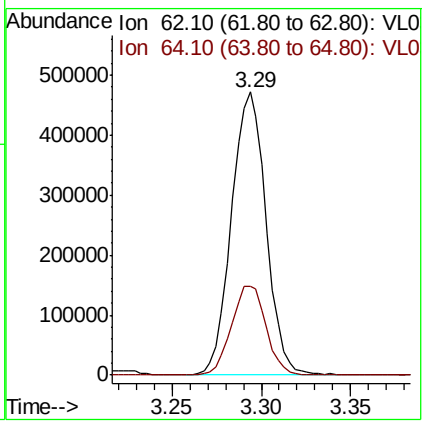


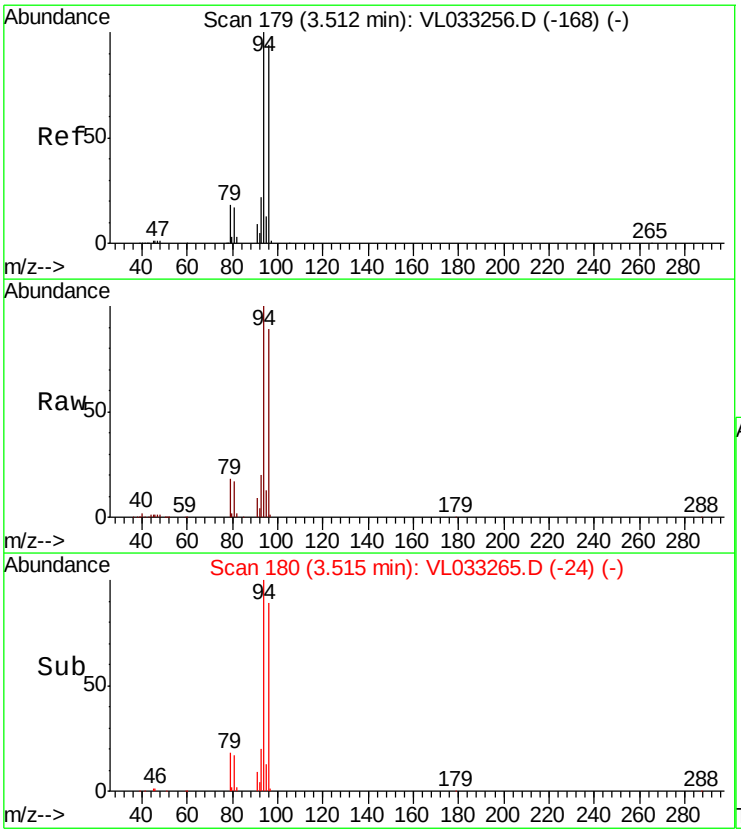
#5
Vinyl Chloride
Concen: 10.350 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 62 Resp: 637500

Ion	Ratio	Lower	Upper
62	100		
64	31.6	26.4	39.6

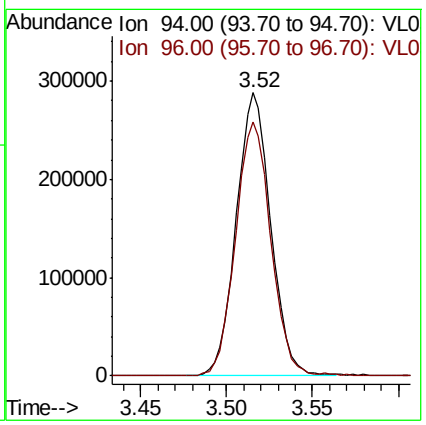


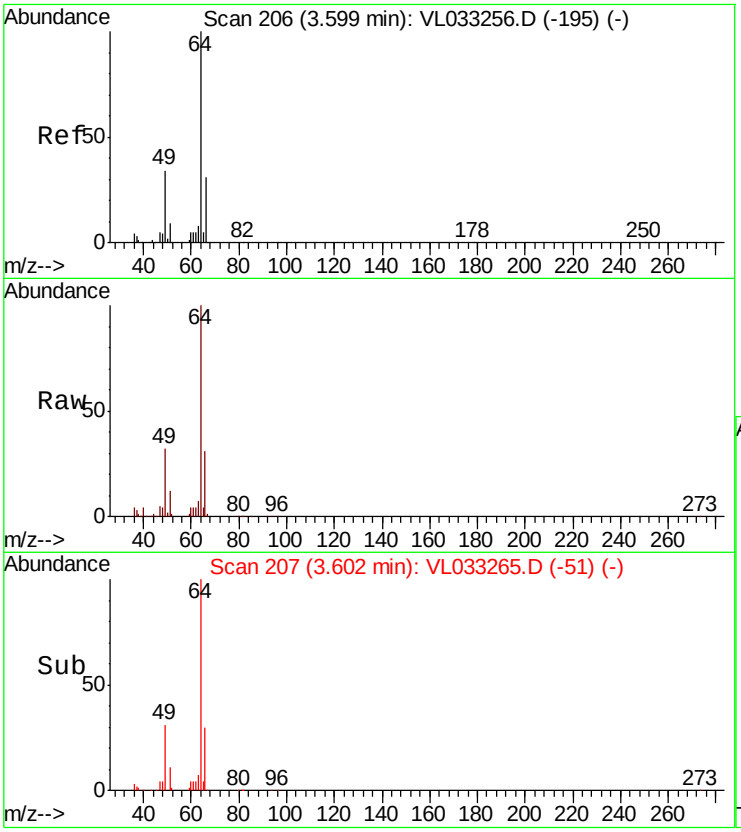


#6
Bromomethane
Concen: 10.570 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 94 Resp: 400407

Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.3	112.9



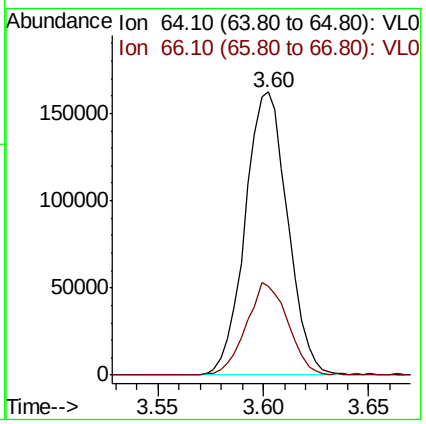


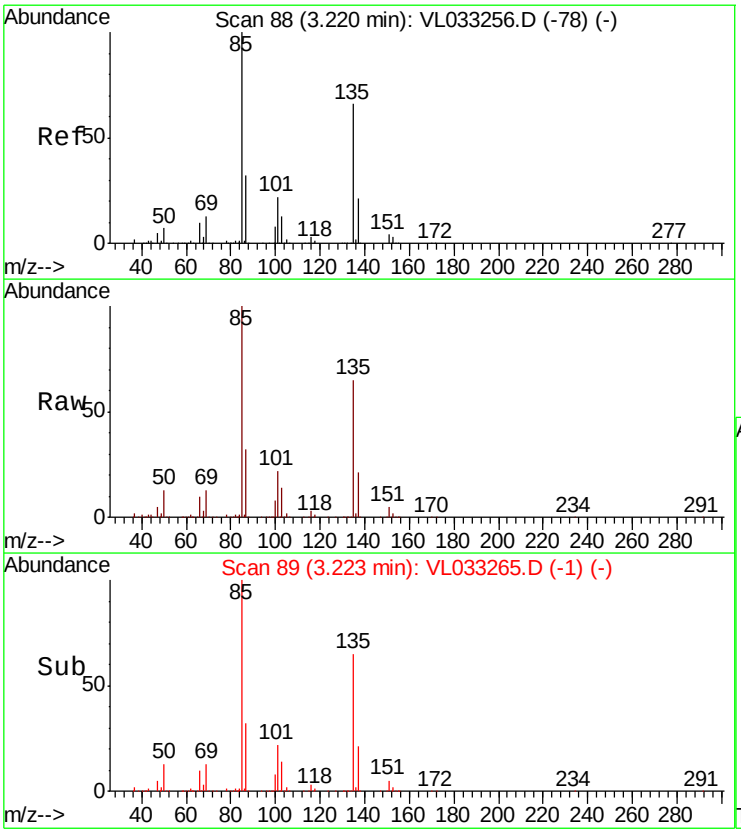
#7
Chloroethane
Concen: 10.206 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 64 Resp: 227293

Ion	Ratio	Lower	Upper
64	100		
66	31.5	25.2	37.8

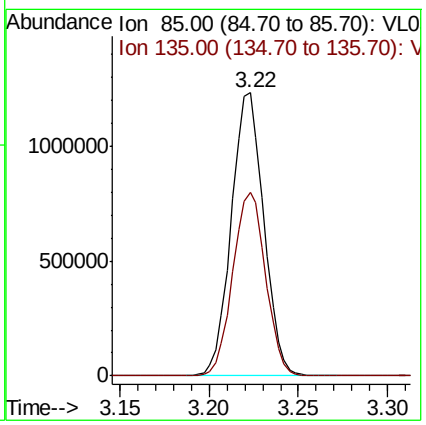


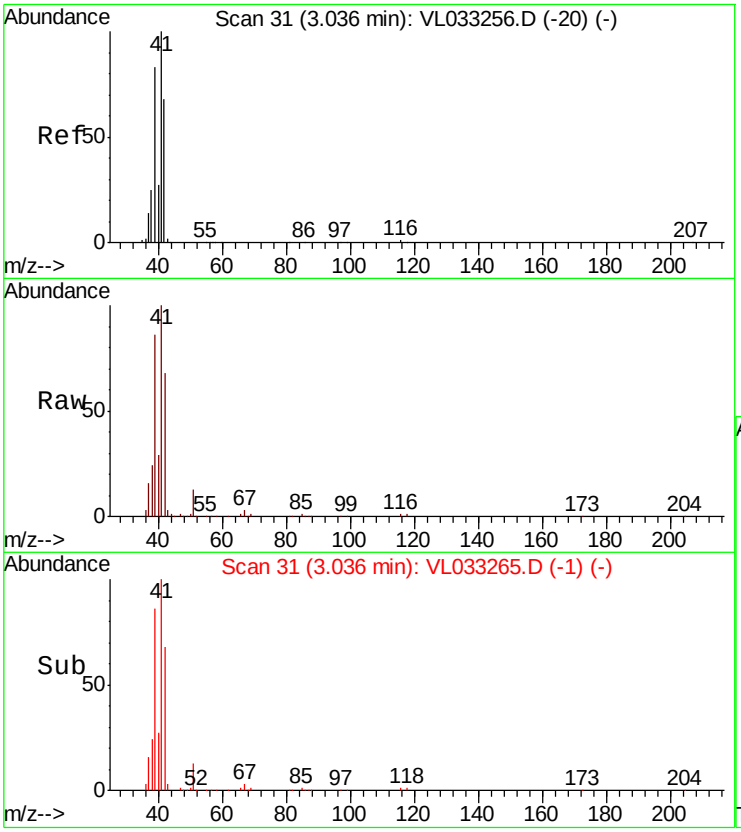


#8
Dichlorotetrafluoroethane
Concen: 10.101 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 85 Resp: 1551513

Ion	Ratio	Lower	Upper
85	100		
135	65.9	52.3	78.5



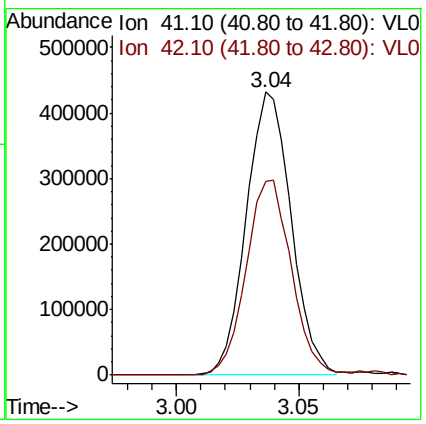


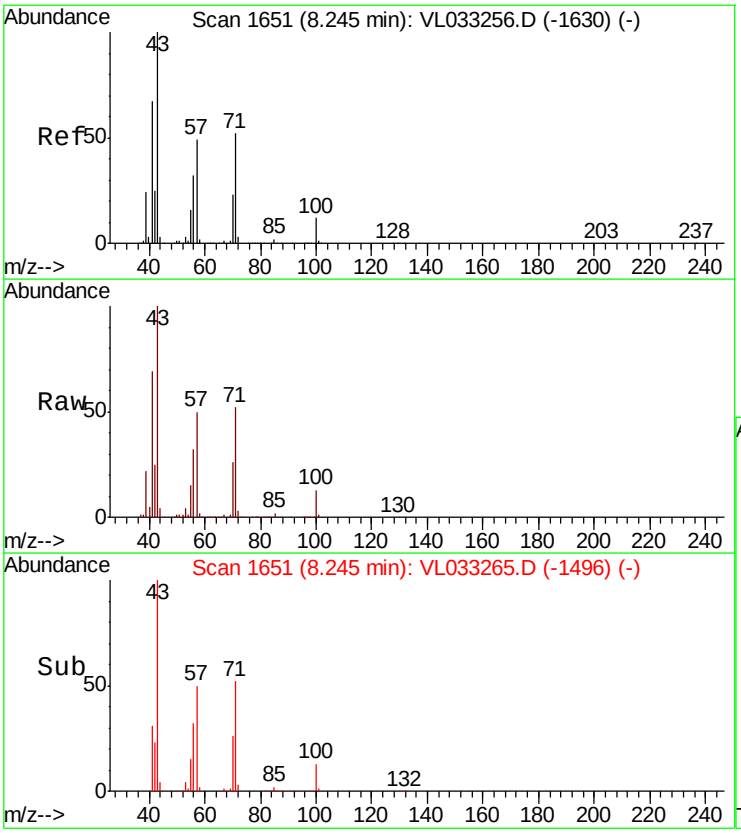
#9
Propene
Concen: 10.566 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 41 Resp: 549640

Ion	Ratio	Lower	Upper
41	100		
42	70.6	55.2	82.8

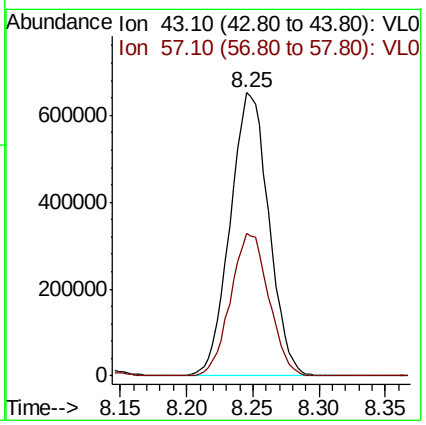


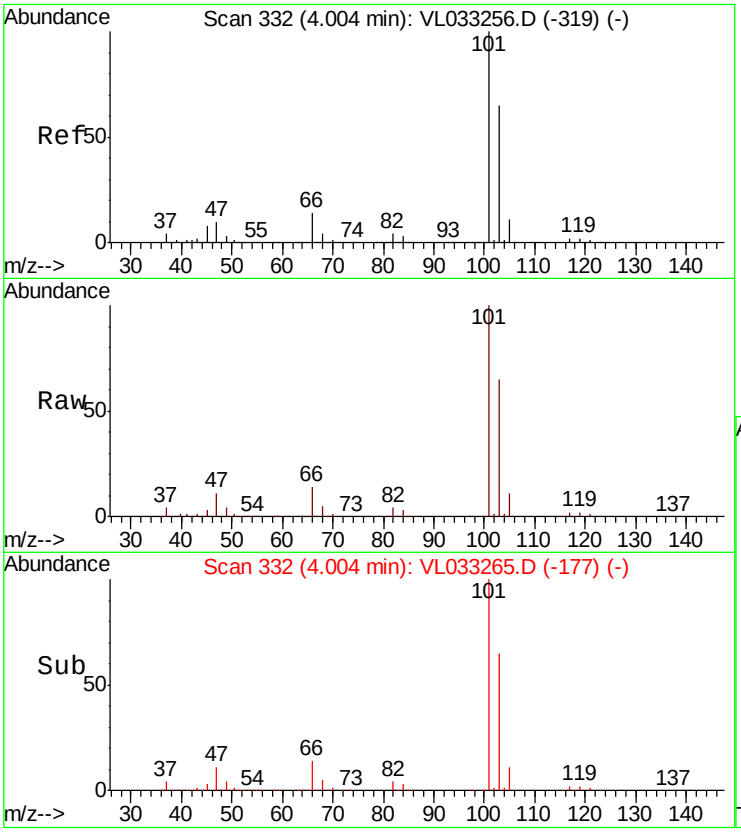


#10
Heptane
Concen: 9.251 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 43 Resp: 1314144

Ion	Ratio	Lower	Upper
43	100		
57	49.8	40.0	60.0



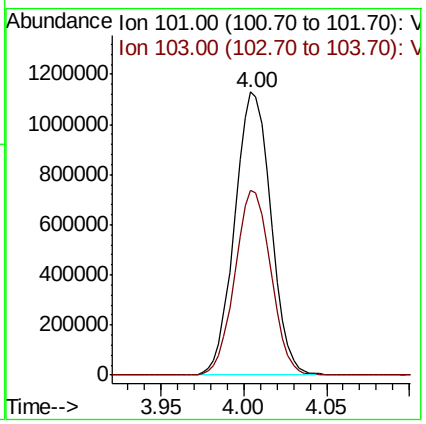


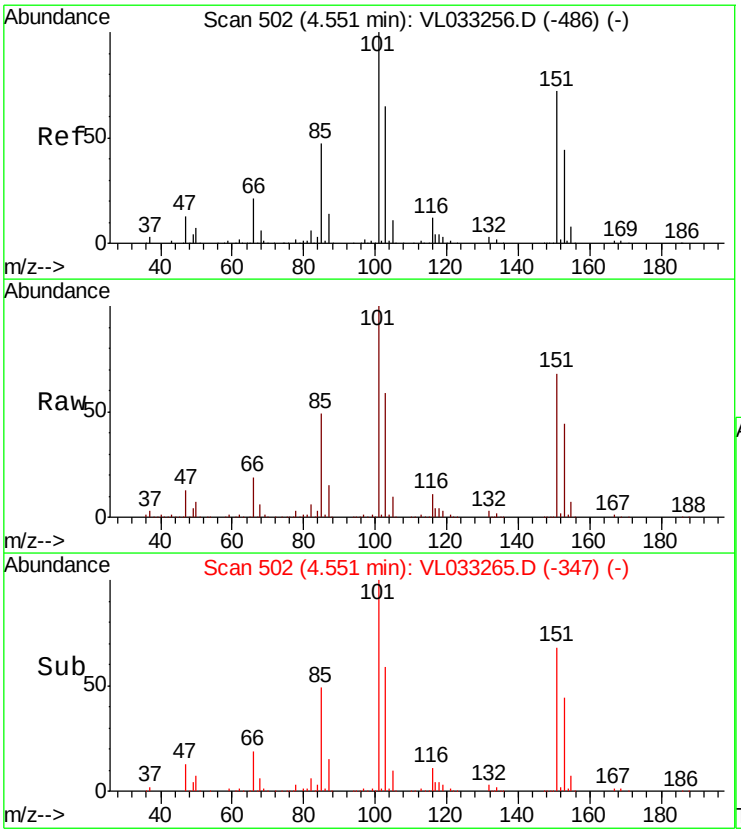
#11
Trichlorofluoromethane
Concen: 10.003 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:101 Resp: 1717154

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.9	77.9

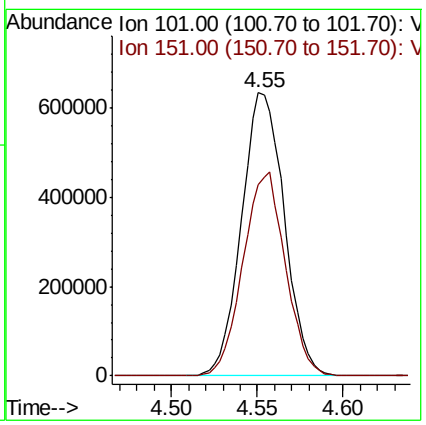


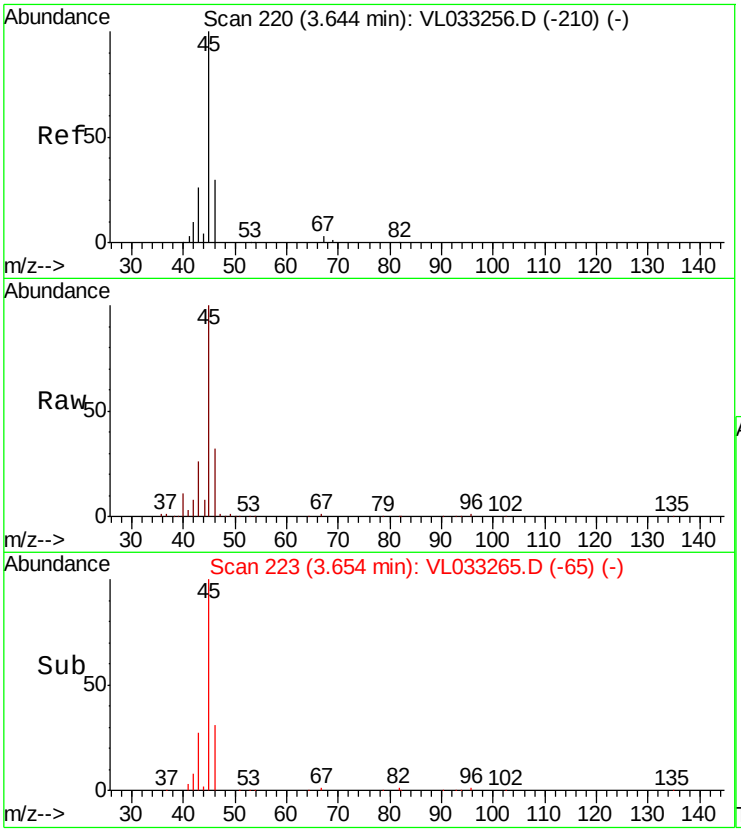


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.683 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:101 Resp: 1092222

Ion	Ratio	Lower	Upper
101	100		
151	71.4	57.2	85.8



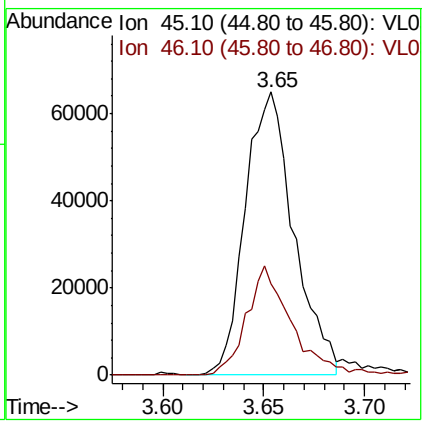


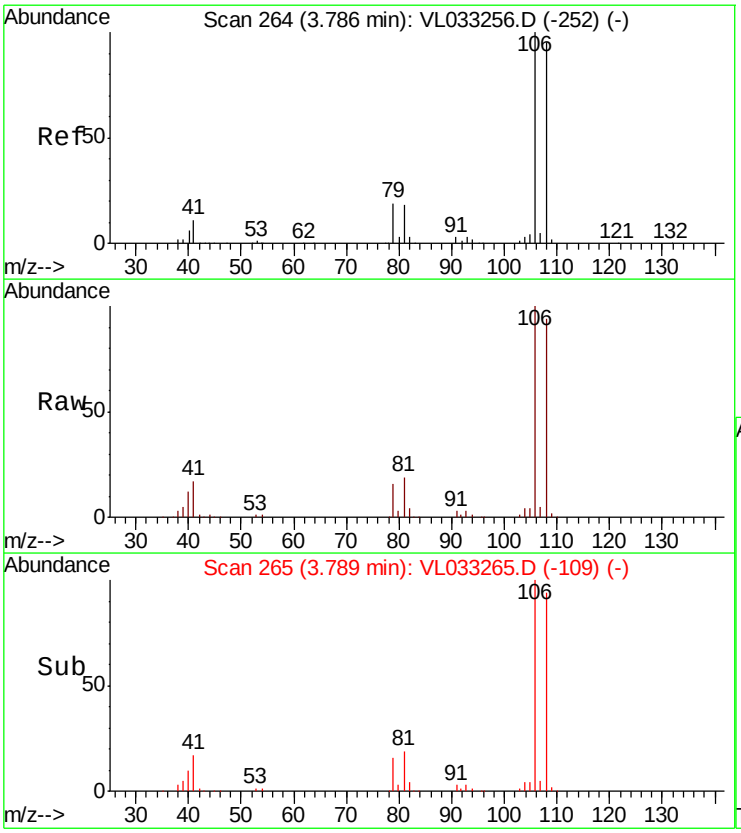
#13
Ethanol
Concen: 7.288 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 45 Resp: 109714

Ion	Ratio	Lower	Upper
45	100		
46	36.6	14.9	59.7

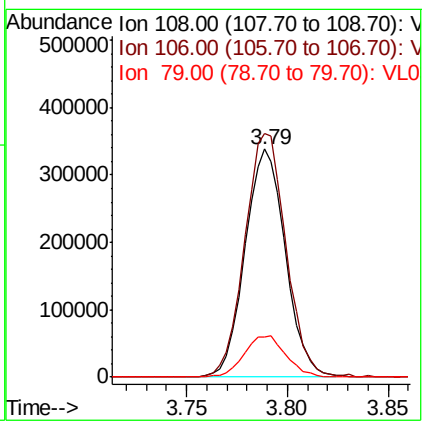


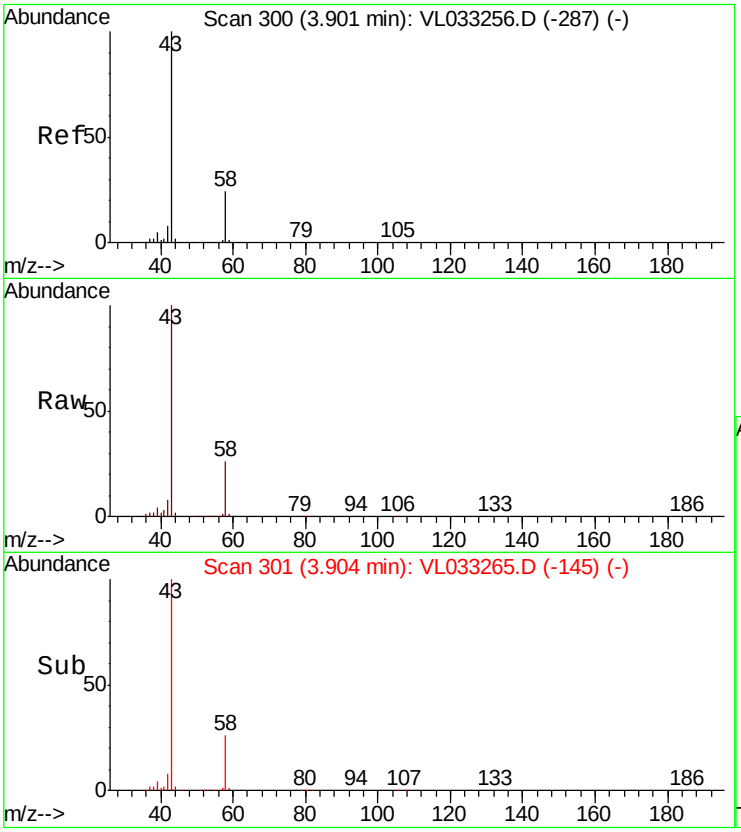


#14
Bromoethene
Concen: 10.253 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:108 Resp: 474776

Ion	Ratio	Lower	Upper
108	100		
106	109.5	86.9	130.3
79	19.0	15.8	23.6



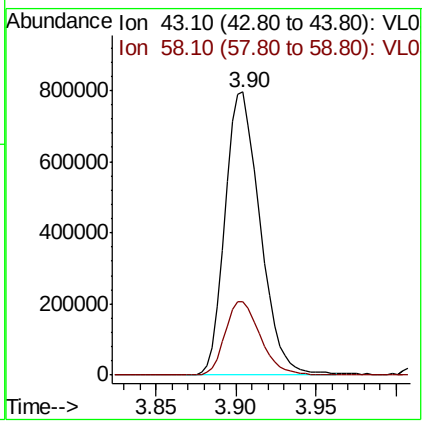


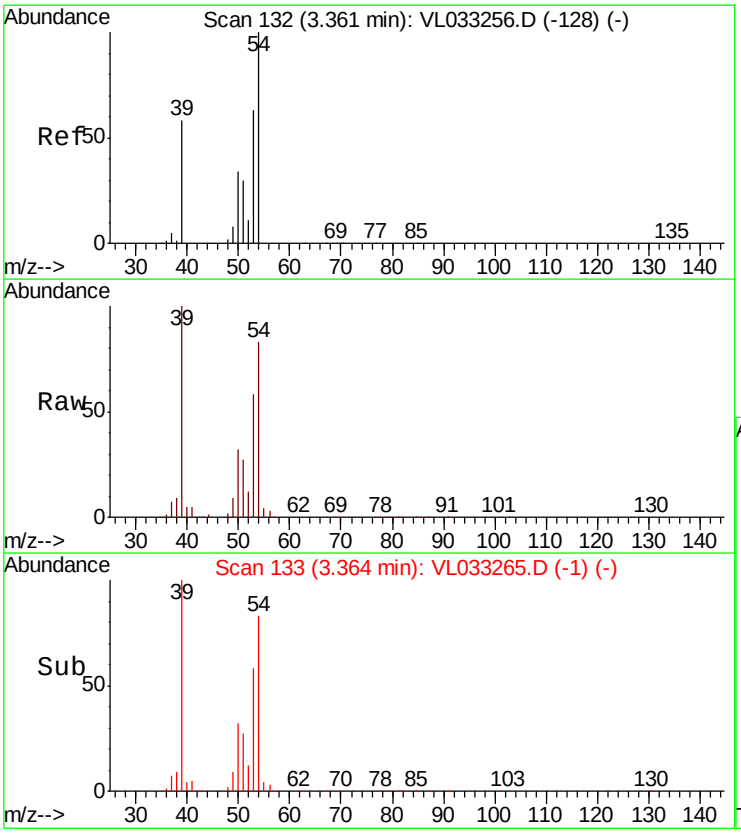
#15
Acetone
Concen: 9.622 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 43 Resp: 1187004

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.2	30.2

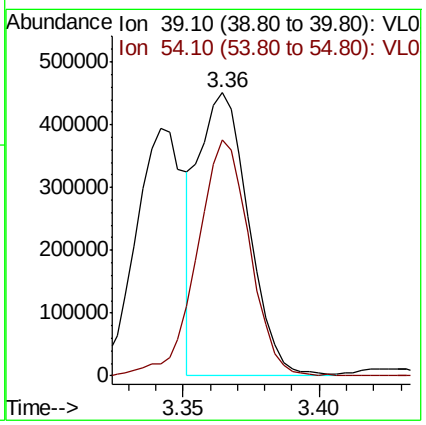


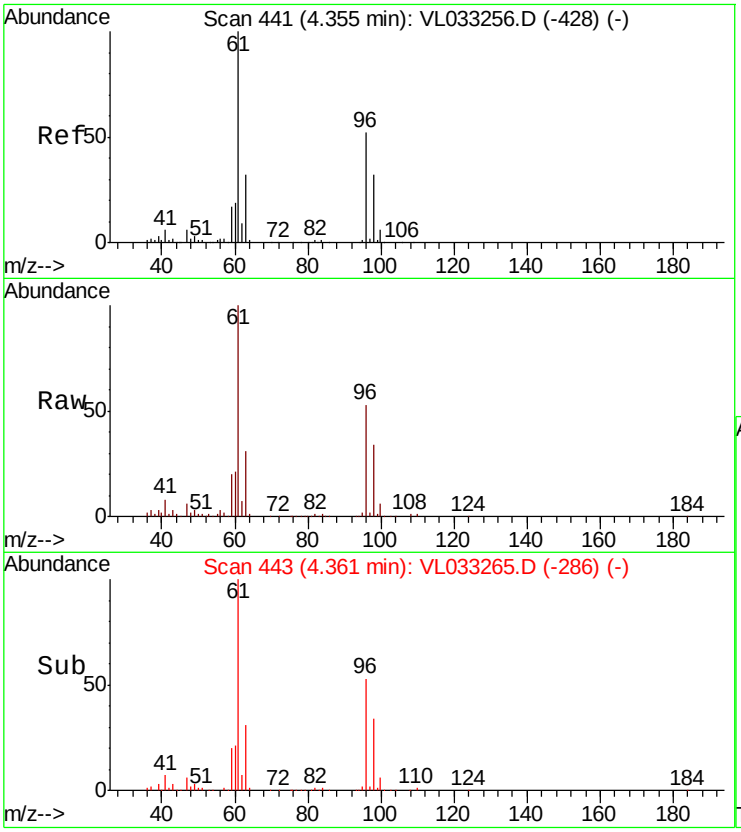


#16
1,3-Butadiene
Concen: 11.233 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 39 Resp: 574807

Ion	Ratio	Lower	Upper
39	100		
54	87.6	68.6	103.0



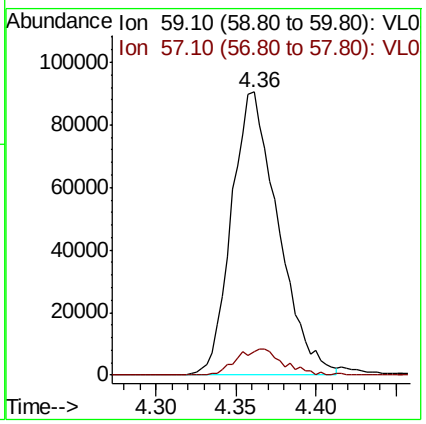


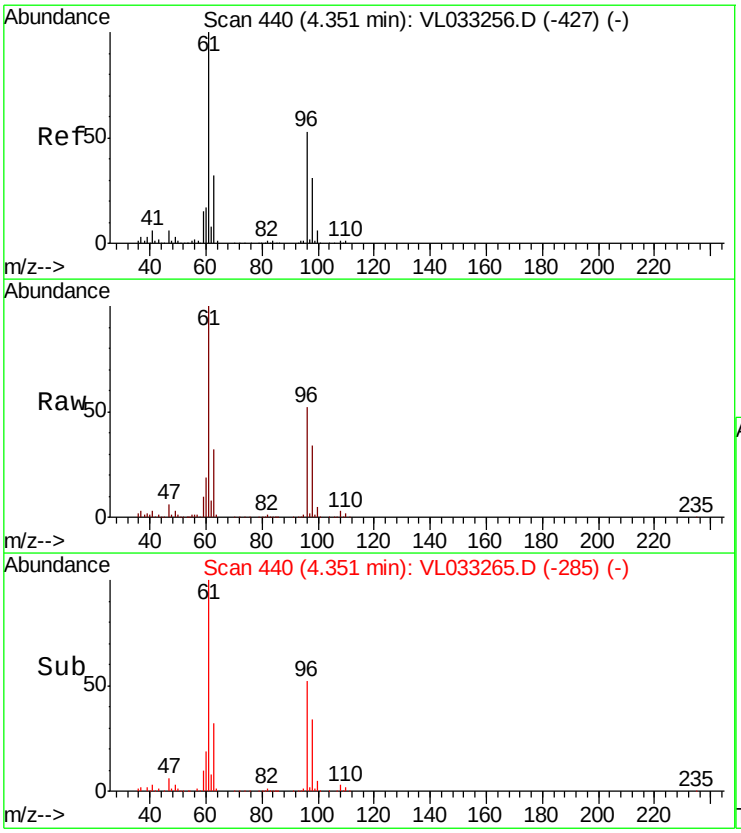
#17
tert-Butyl alcohol
Concen: 8.944 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 59 Resp: 179929

Ion	Ratio	Lower	Upper
59	100		
57	9.3	7.2	10.8

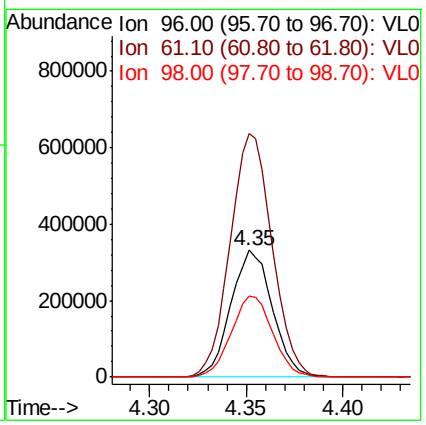


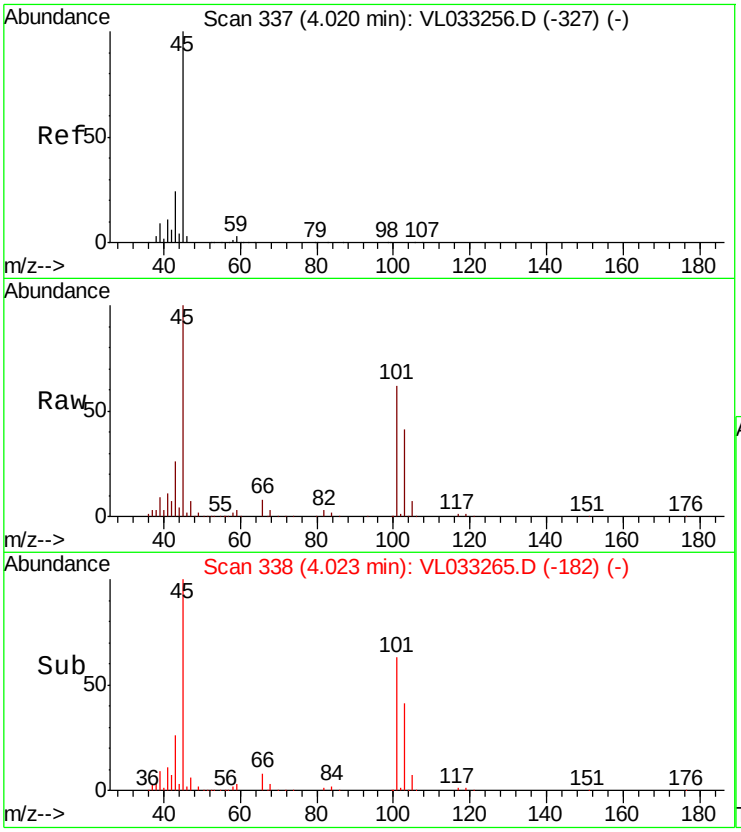


#18
1,1-Dichloroethene
Concen: 9.980 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 96 Resp: 492896

Ion	Ratio	Lower	Upper
96	100		
61	191.2	150.6	226.0
98	64.2	47.0	70.4



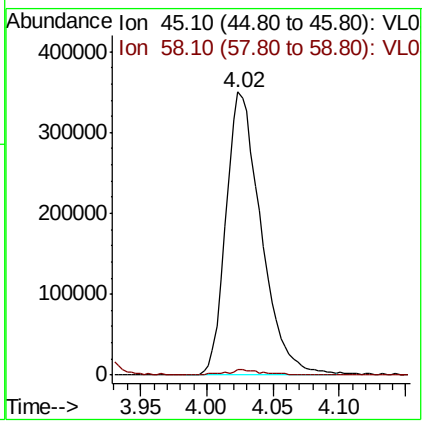


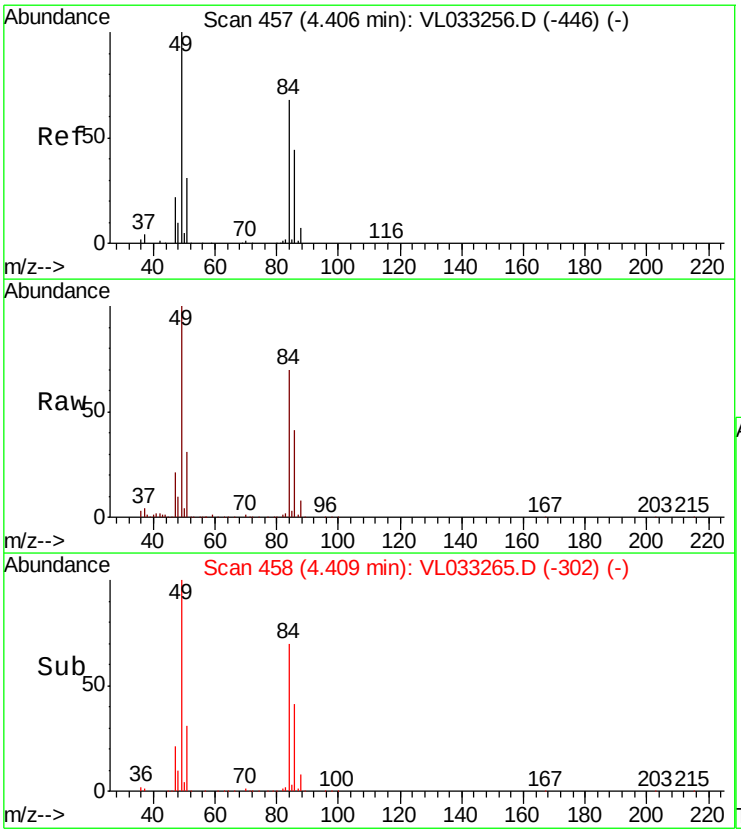
#19
Isopropyl Alcohol
Concen: 8.732 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 45 Resp: 646797

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.5	2.3#

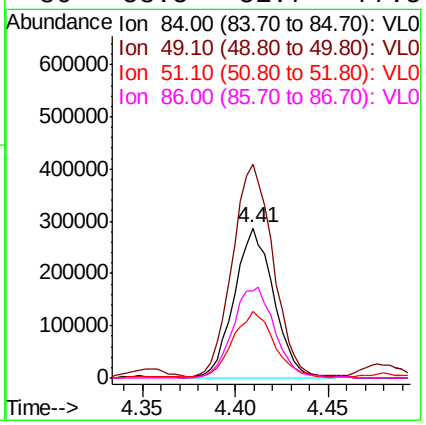


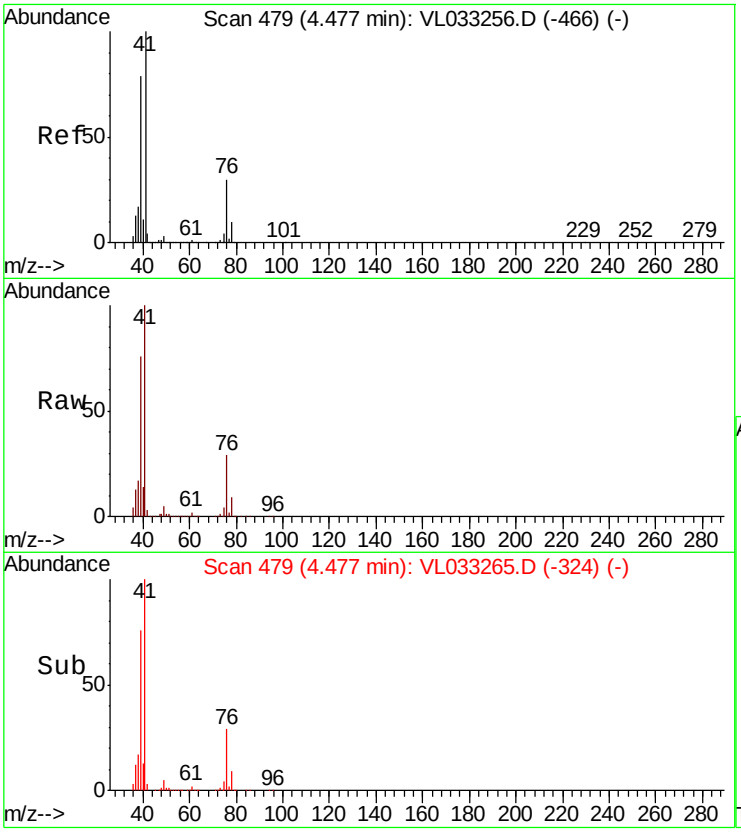


#20
Methylene Chloride
Concen: 8.325 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 84 Resp: 421535

Ion	Ratio	Lower	Upper
84	100		
49	141.5	117.8	176.6
51	43.9	36.9	55.3
86	58.5	51.7	77.5



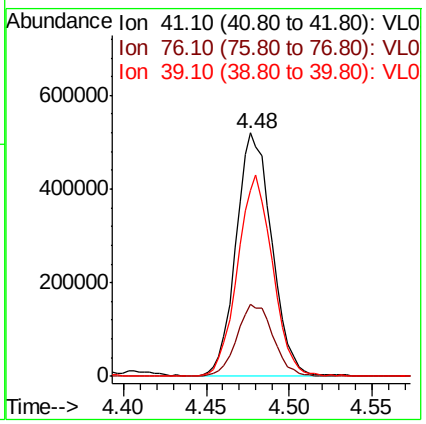


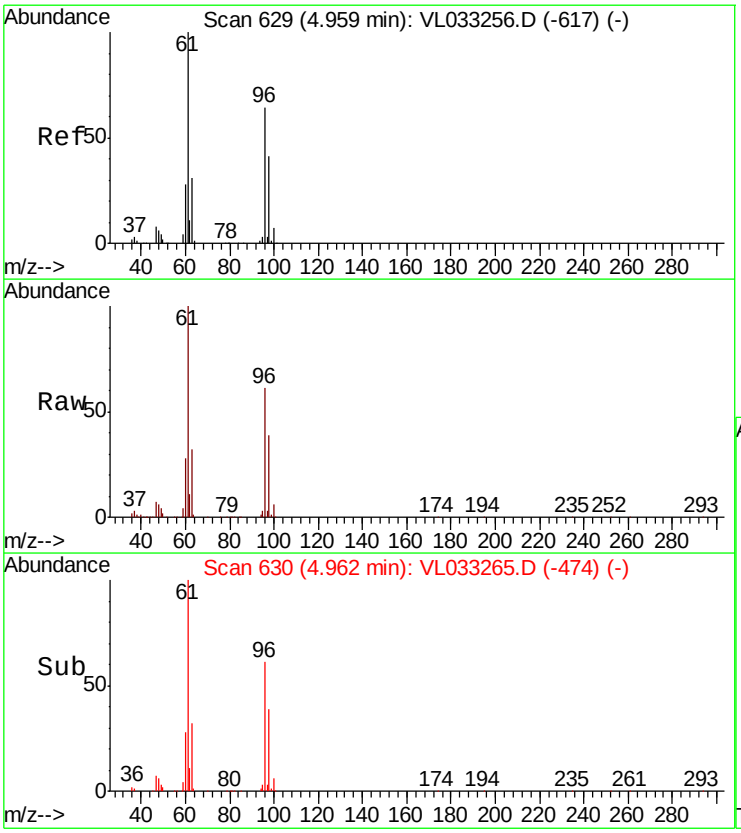
#21
Allyl Chloride
Concen: 10.490 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 41 Resp: 777160

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.5	36.7
39	81.2	65.3	97.9

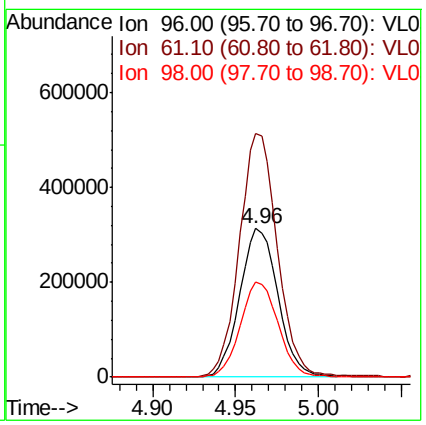


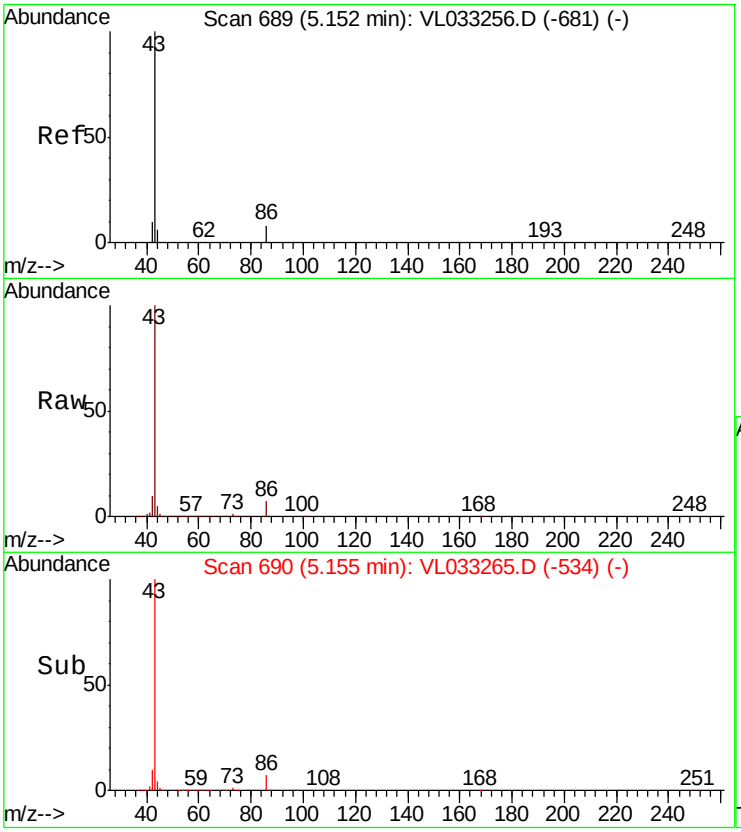


#22
trans-1,2-Dichloroethene
Concen: 9.933 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 96 Resp: 503099

Ion	Ratio	Lower	Upper
96	100		
61	163.7	125.7	188.5
98	63.9	52.1	78.1



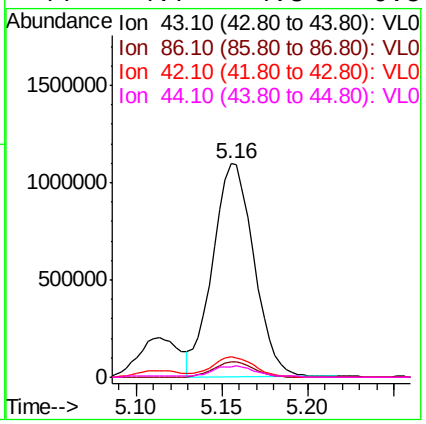


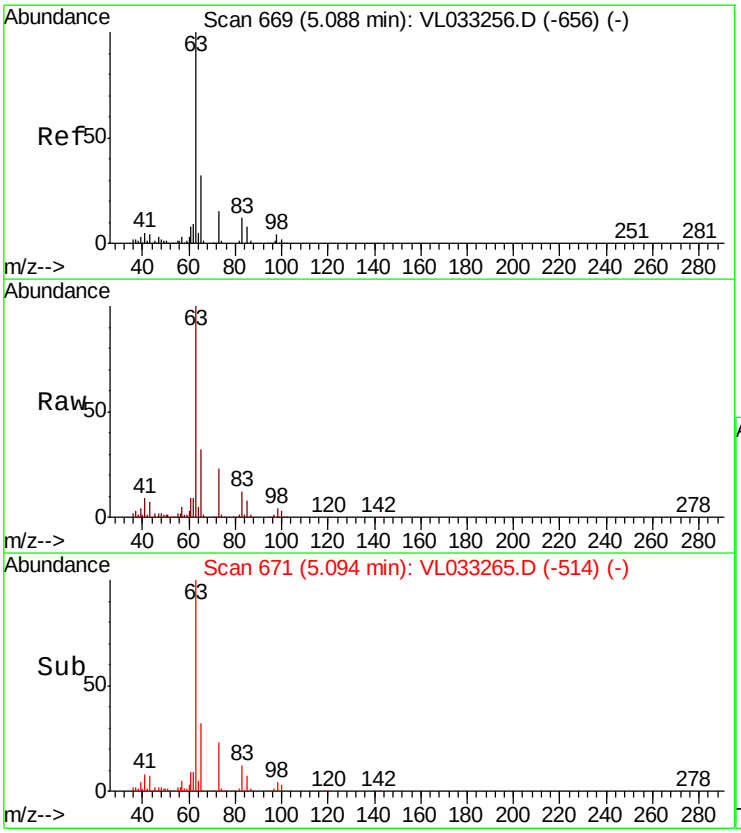
#23
Vinyl Acetate
Concen: 10.372 ppbv
RT: 5.16 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 43 Resp: 1832959

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.6	8.4
42	9.7	8.1	12.1
44	4.7	4.3	6.5

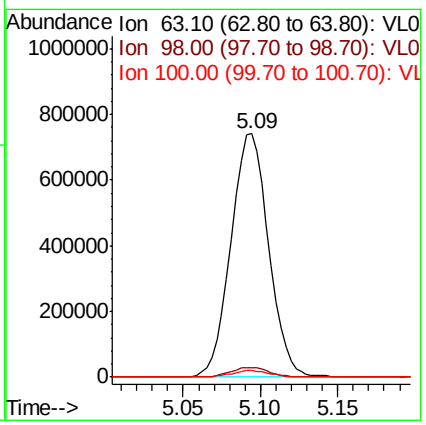


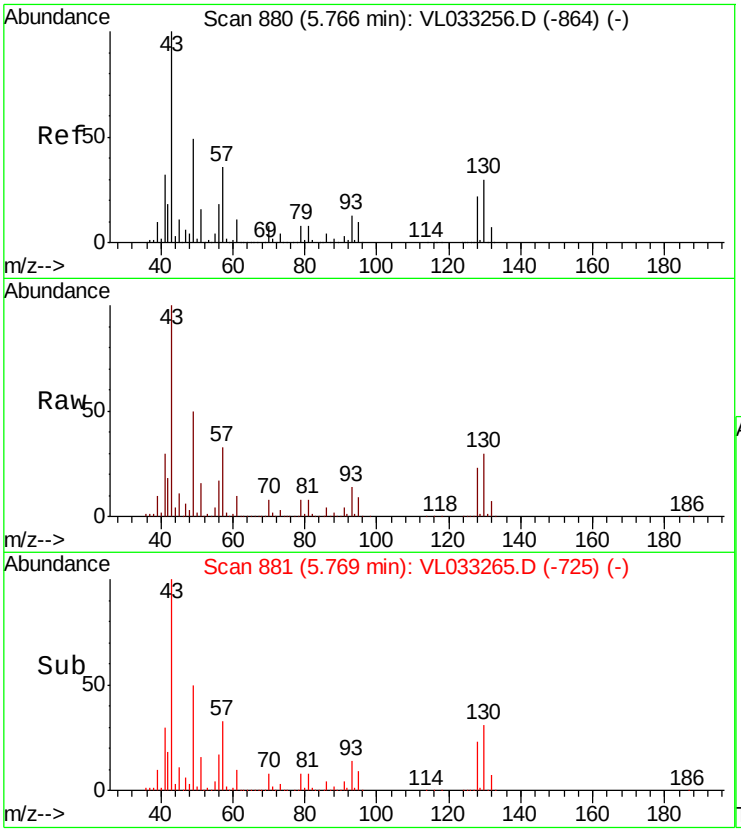


#24
1,1-Dichloroethane
Concen: 9.662 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 63 Resp: 1253521

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.2
100	2.7	1.3	3.8



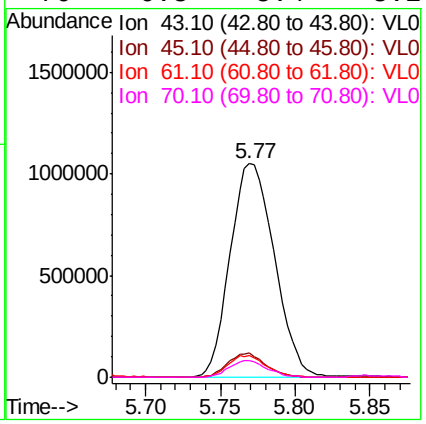


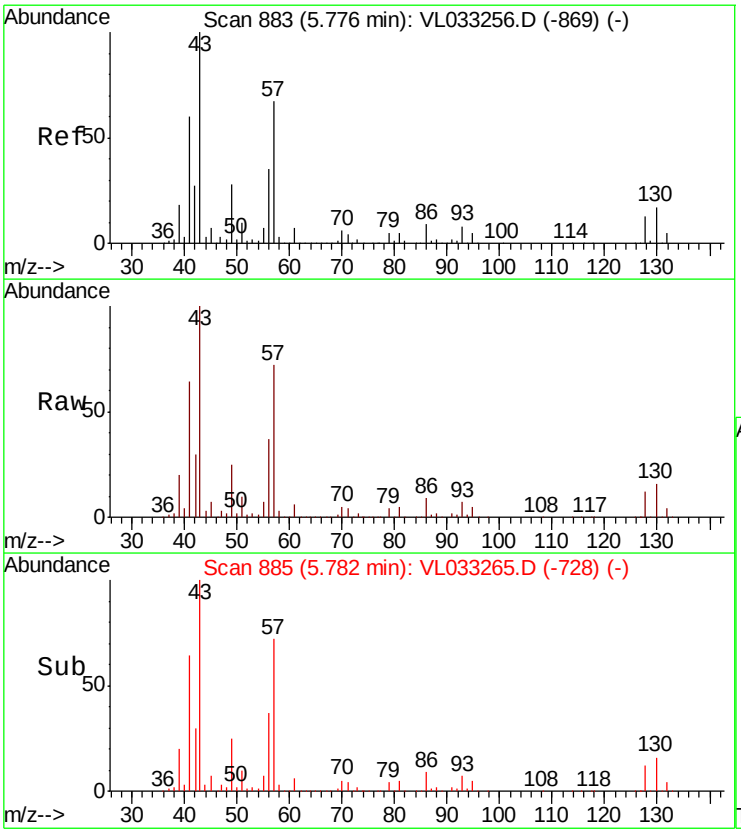
#25
Ethyl Acetate
Concen: 9.164 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 43 Resp: 2159189

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.0	7.4	11.0
70	6.8	5.4	8.2

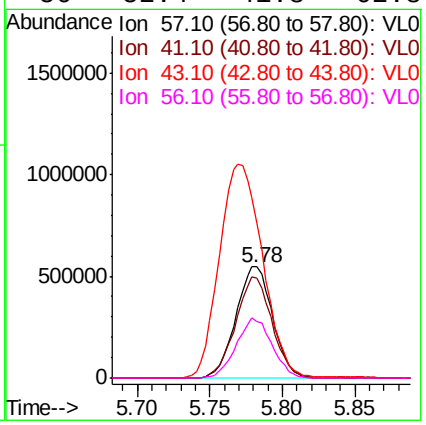


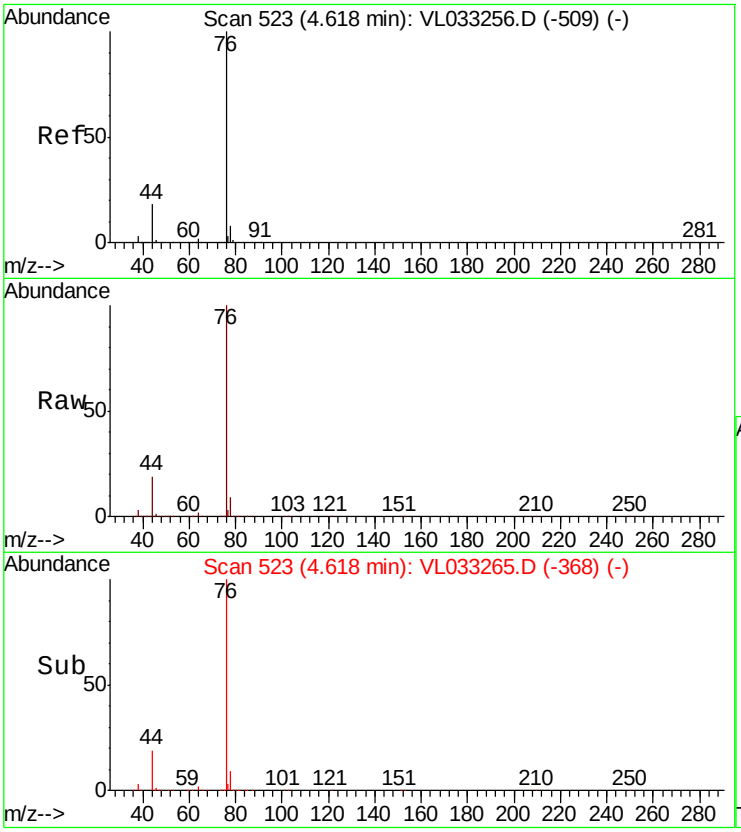


#26
Hexane
Concen: 8.654 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 57 Resp: 960688

Ion	Ratio	Lower	Upper
57	100		
41	90.2	72.2	108.4
43	227.0	179.0	268.4
56	52.4	41.8	62.8



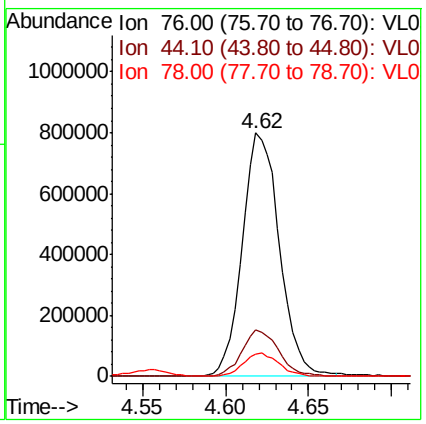


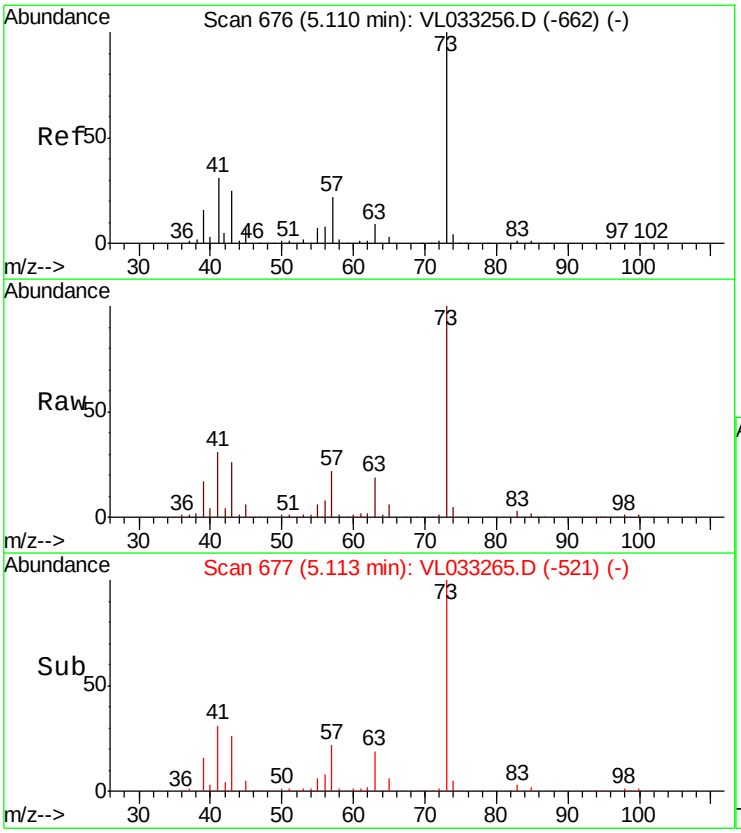
#27
Carbon Disulfide
Concen: 11.091 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 76 Resp: 1246827

Ion	Ratio	Lower	Upper
76	100		
44	18.6	14.8	22.2
78	9.3	7.2	10.8

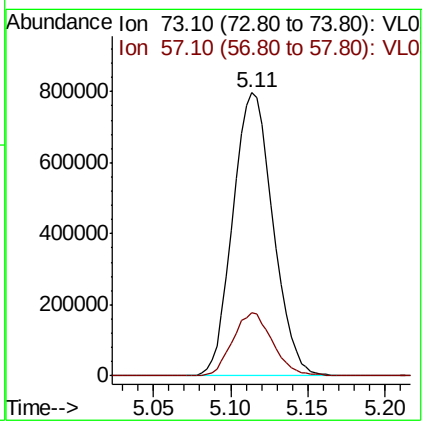


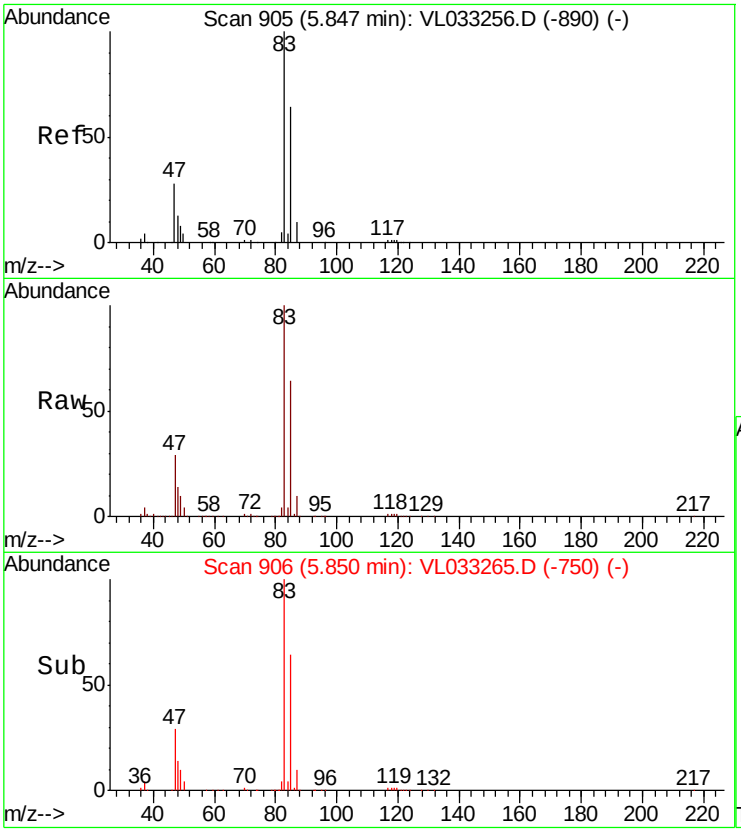


#28
Methyl tert-Butyl Ether
Concen: 10.099 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 73 Resp: 1440260

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



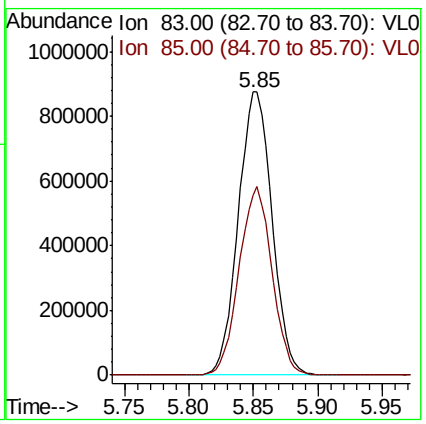


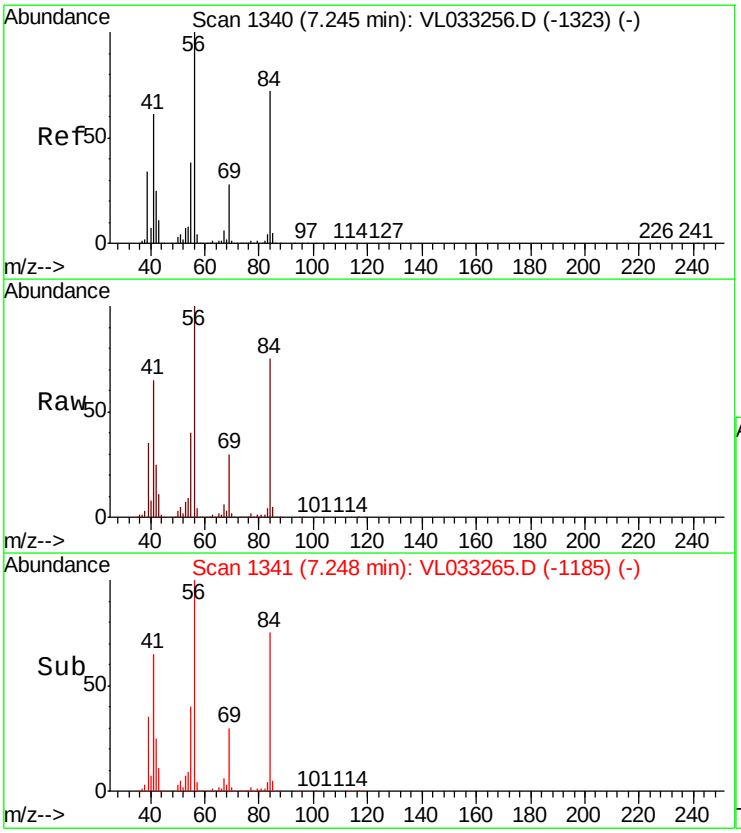
#29
Chloroform
Concen: 9.438 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 83 Resp: 1598885

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.6

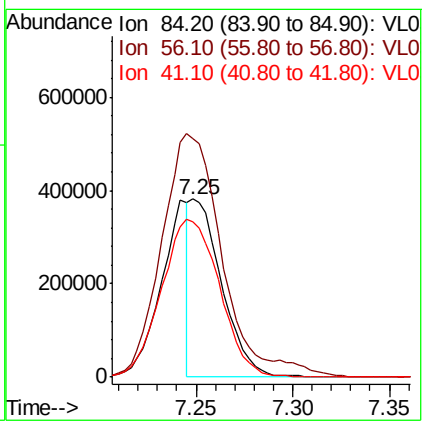


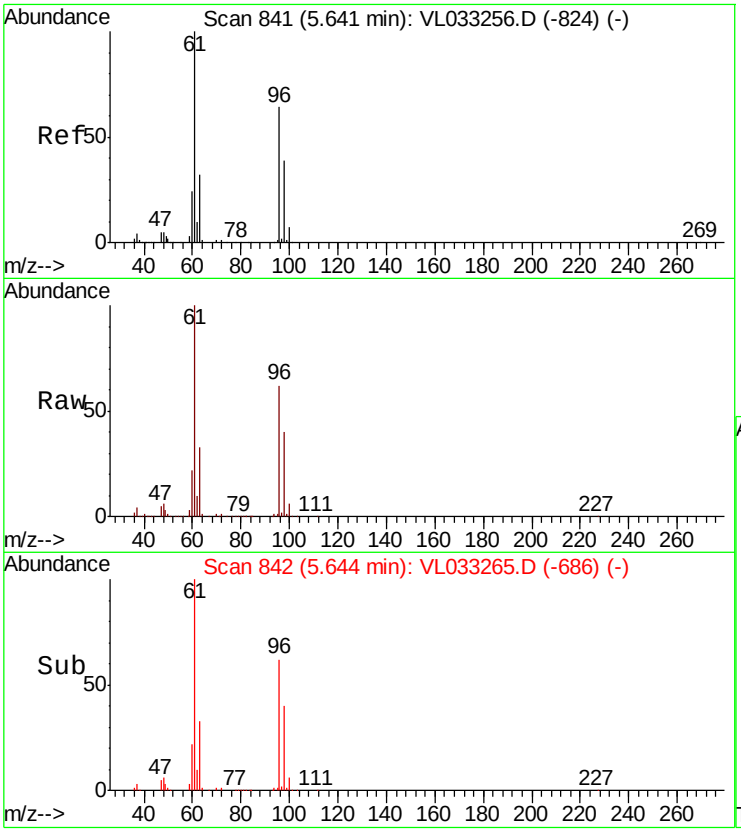


#30
Cyclohexane
Concen: 4.913 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 84 Resp: 422267

Ion	Ratio	Lower	Upper
84	100		
56	270.0	113.4	170.2#
41	167.4	70.2	105.4#



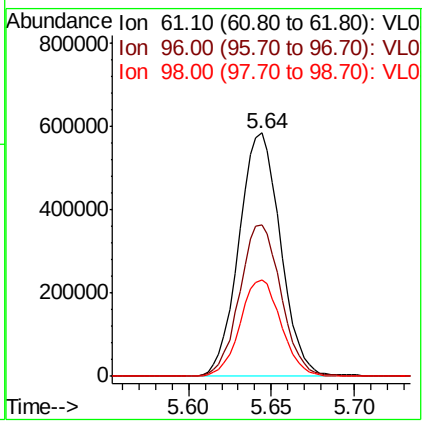


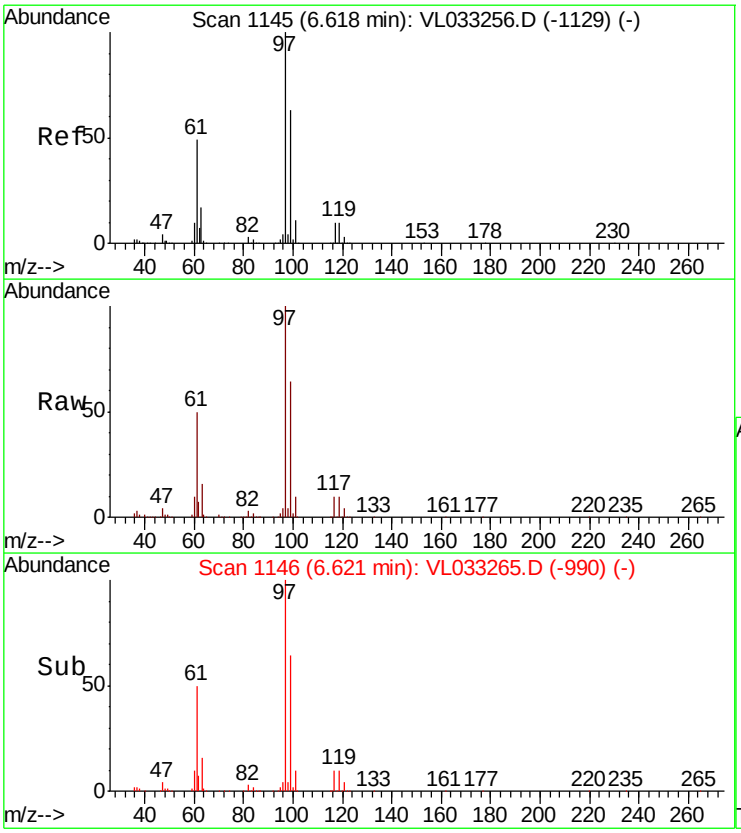
#31
cis-1,2-Dichloroethene
Concen: 9.695 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 61 Resp: 1019387

Ion	Ratio	Lower	Upper
61	100		
96	62.3	51.2	76.8
98	39.8	30.8	46.2

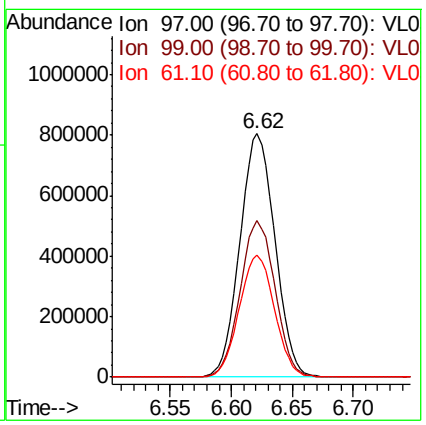


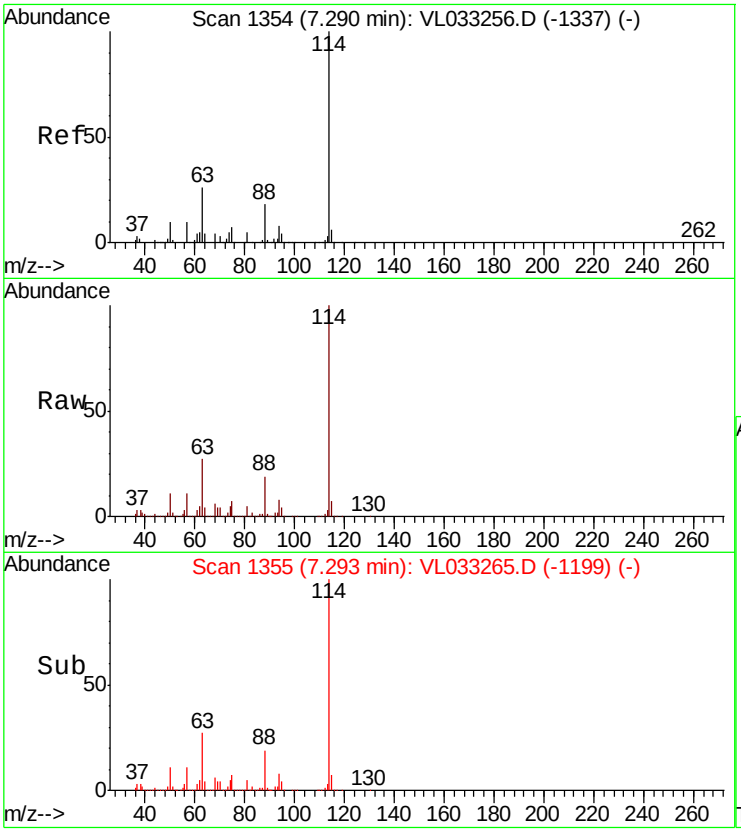


#32
1,1,1-Trichloroethane
Concen: 9.973 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 97 Resp: 1595522

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	50.3	40.8	61.2



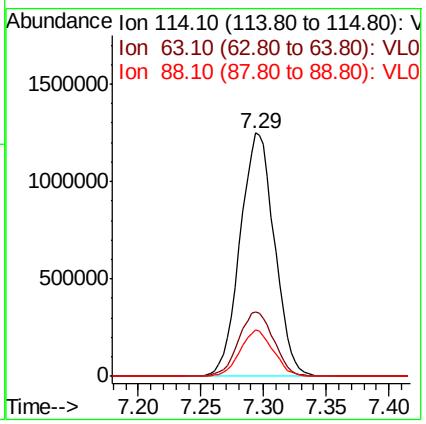


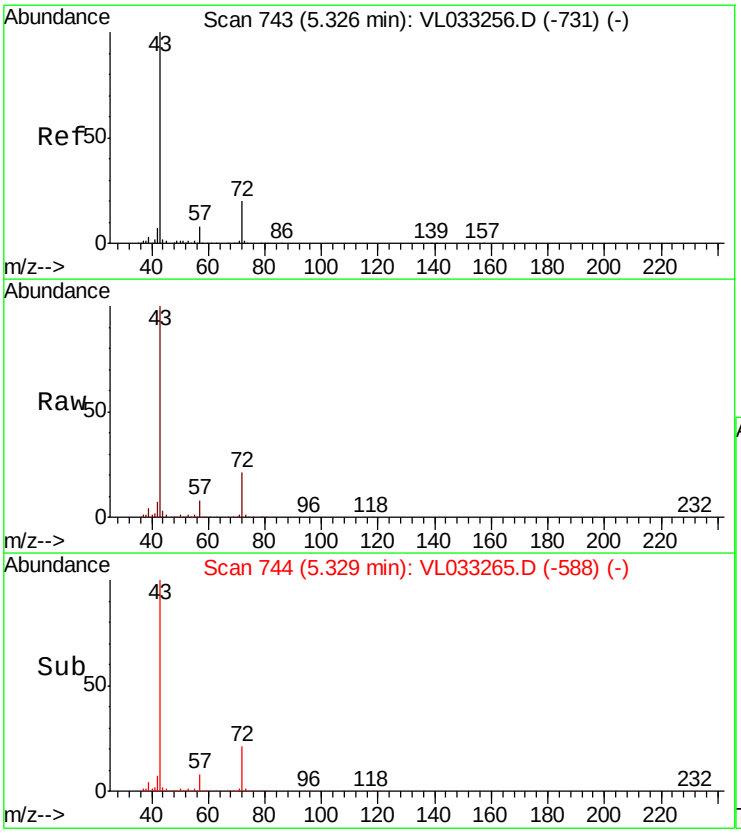
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:114 Resp: 2379348

Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.2	33.2
88	18.4	14.6	22.0

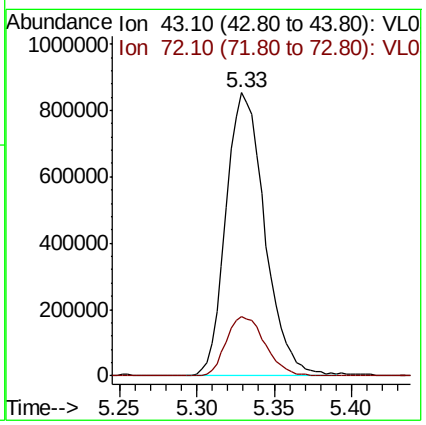


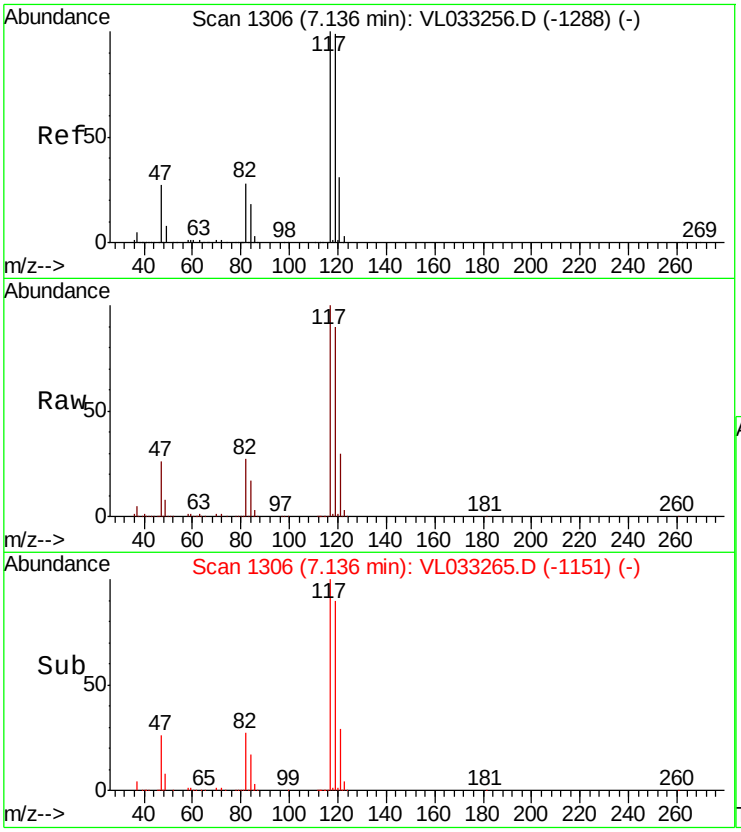


#34
2-Butanone
Concen: 10.242 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 43 Resp: 1473249

Ion	Ratio	Lower	Upper
43	100		
72	21.4	16.9	25.3



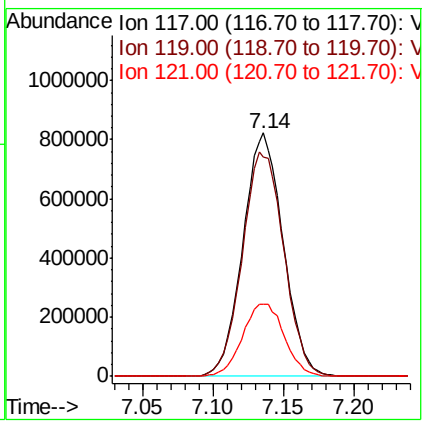


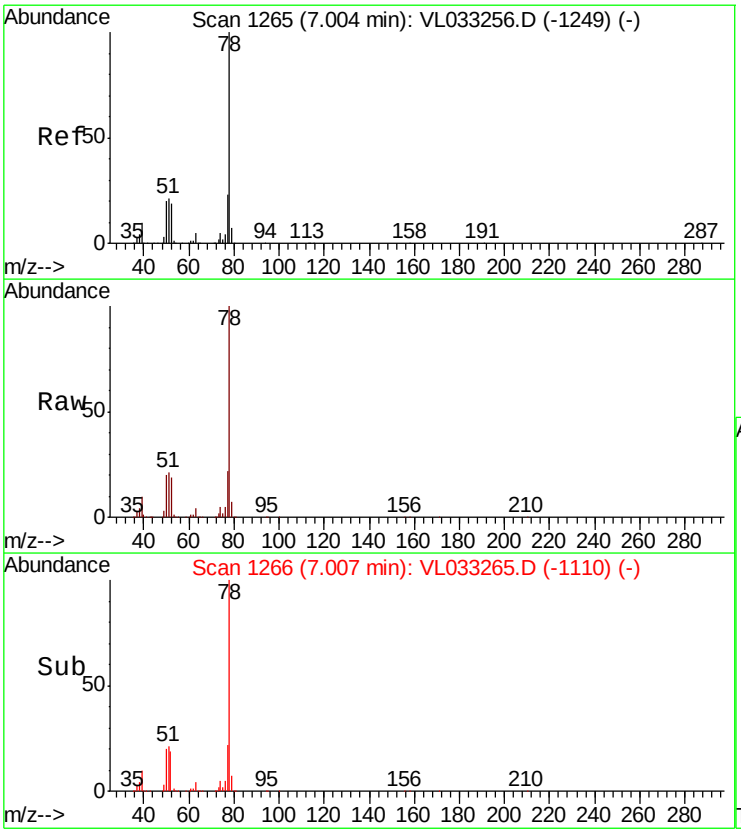
#35
Carbon Tetrachloride
Concen: 10.160 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion:117 Resp: 1640864

Ion	Ratio	Lower	Upper
117	100		
119	90.3	79.0	118.6
121	29.8	24.7	37.1

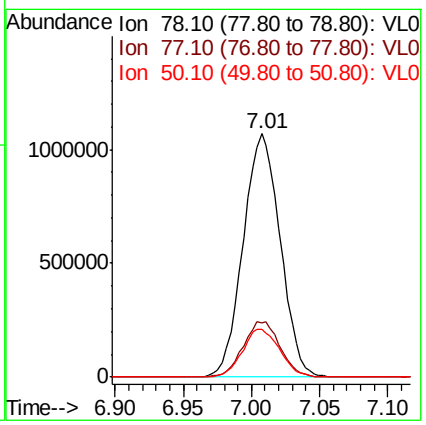


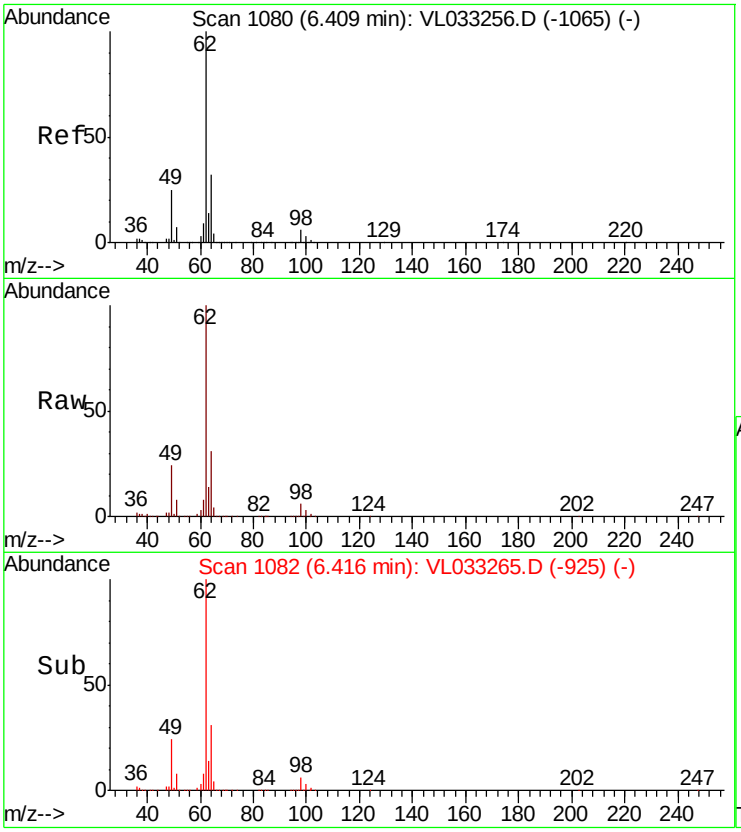


#36
Benzene
Concen: 9.854 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 78 Resp: 2018418

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.2	27.2
50	19.7	16.2	24.2



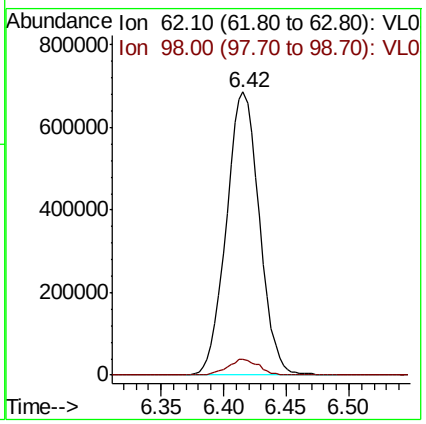


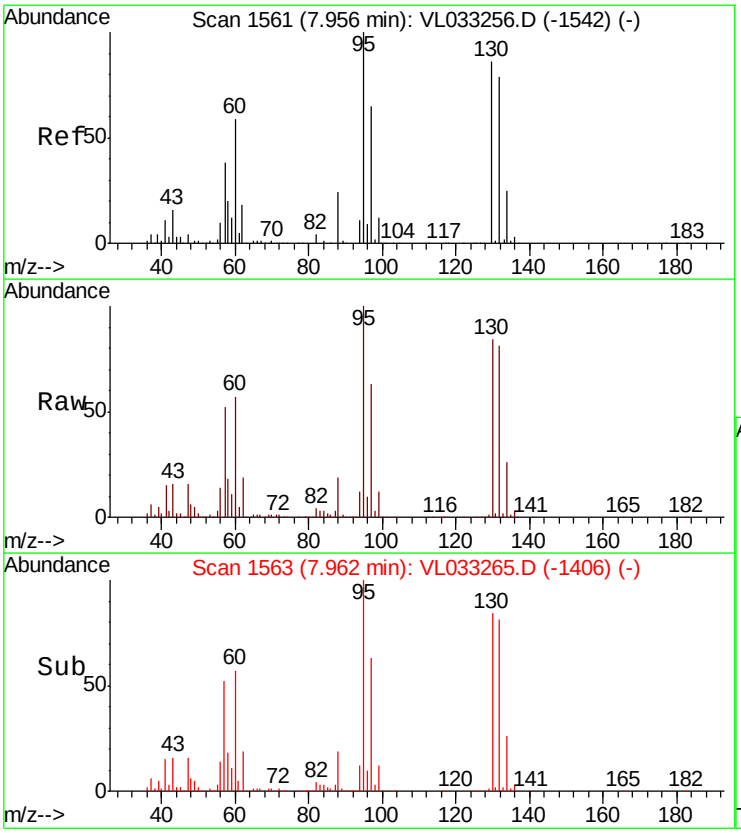
#37
1,2-Dichloroethane
Concen: 9.487 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 62 Resp: 1251259

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.5	6.7

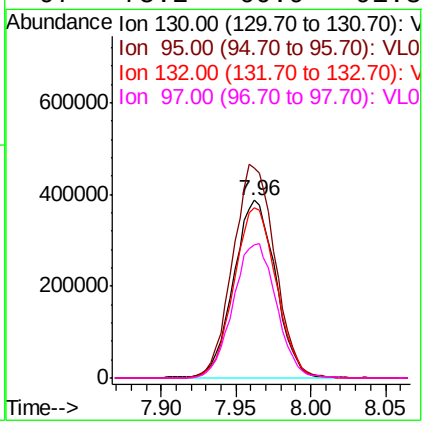


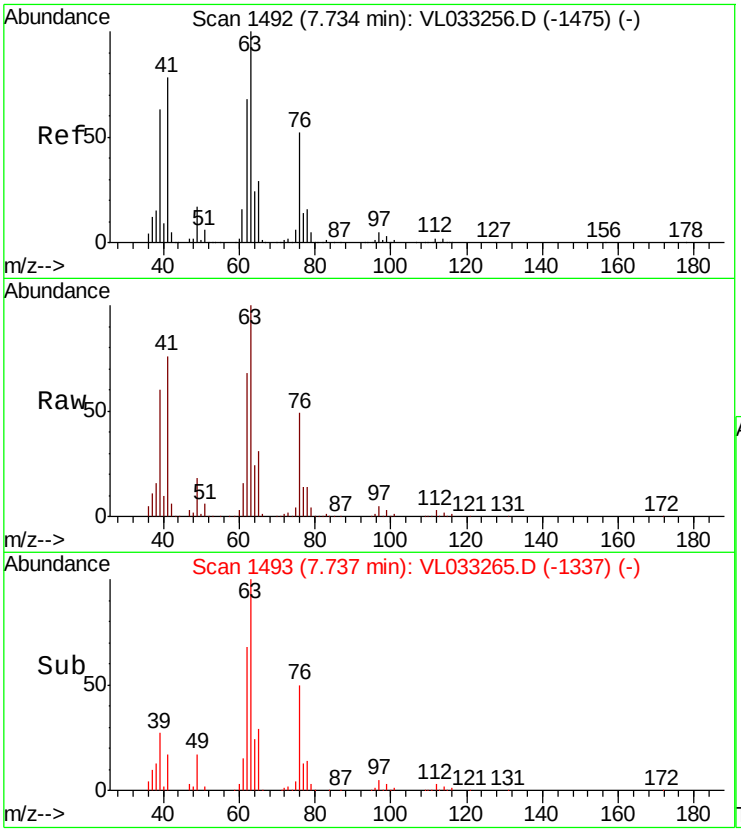


#38
Trichloroethene
Concen: 9.432 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:130 Resp: 749719

Ion	Ratio	Lower	Upper
130	100		
95	118.7	93.4	140.0
132	96.0	74.0	111.0
97	75.2	60.9	91.3



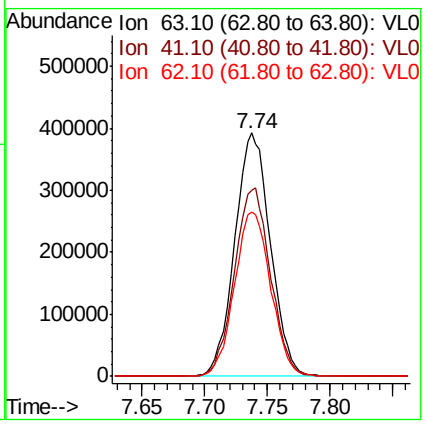


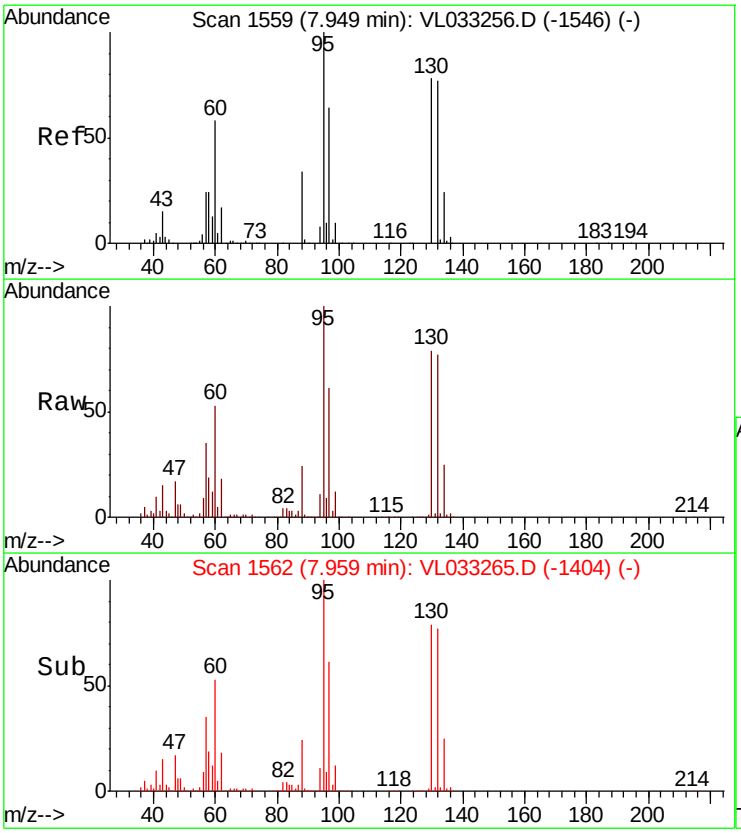
#39
1,2-Dichloropropane
Concen: 9.646 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 63 Resp: 775805

Ion	Ratio	Lower	Upper
63	100		
41	76.1	62.6	94.0
62	67.5	54.6	81.8

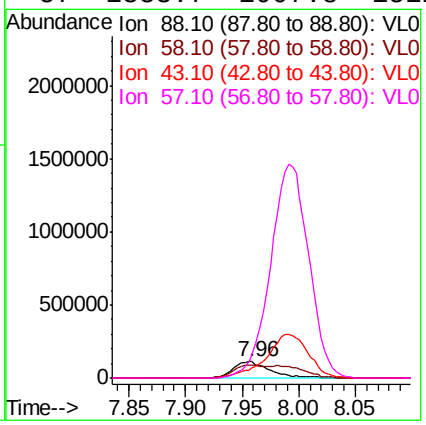


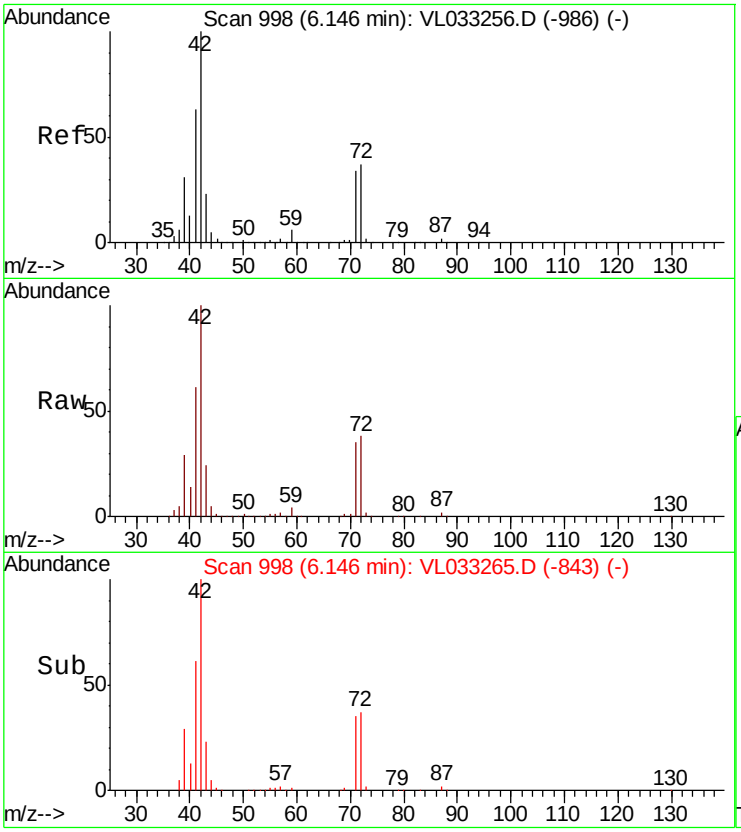


#40
1,4-Dioxane
Concen: 8.682 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 88 Resp: 257364

Ion	Ratio	Lower	Upper
88	100		
58	136.6	108.4	162.6
43	301.2	232.3	348.5
57	1333.7	1007.8	1511.8



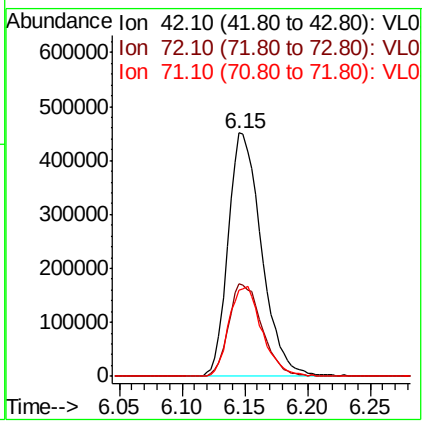


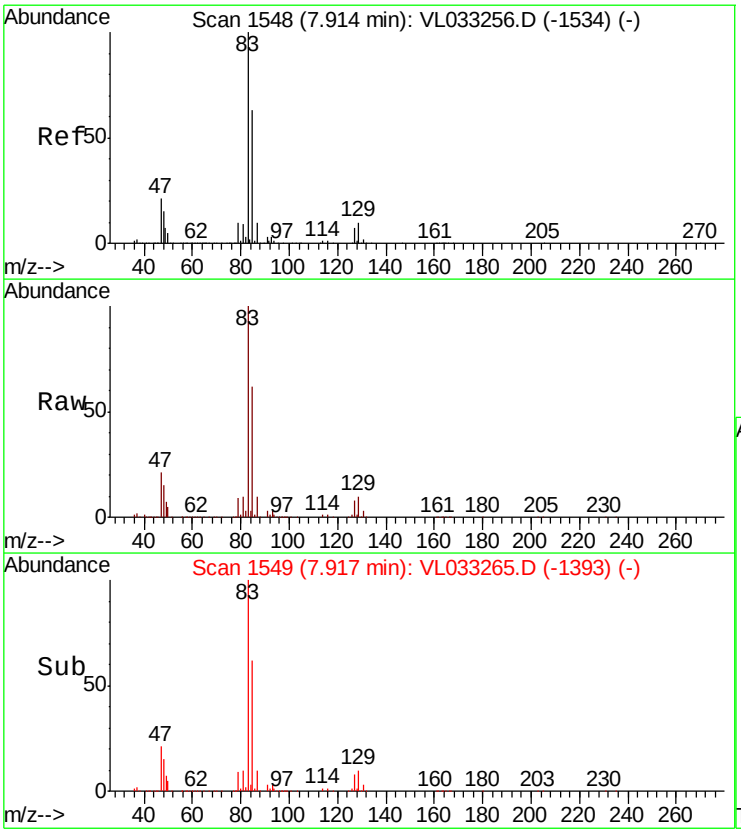
#41
Tetrahydrofuran
Concen: 10.293 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 42 Resp: 836535

Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.2	45.2
71	36.7	29.0	43.6

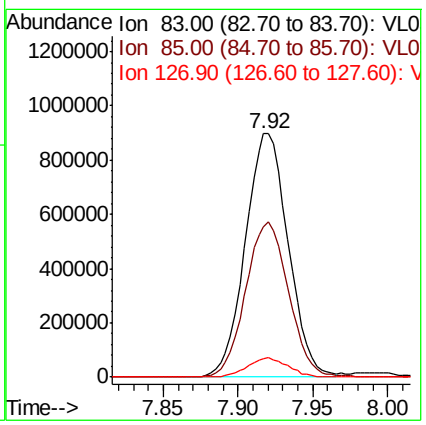


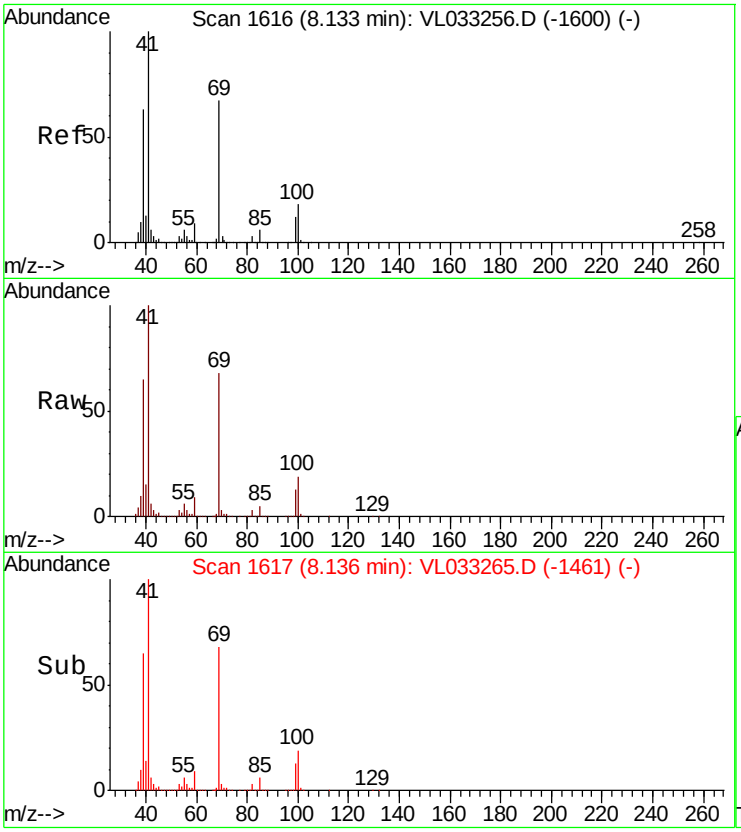


#42
Bromodichloromethane
Concen: 9.967 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 83 Resp: 1790651

Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.1	75.1
127	7.6	5.9	8.9



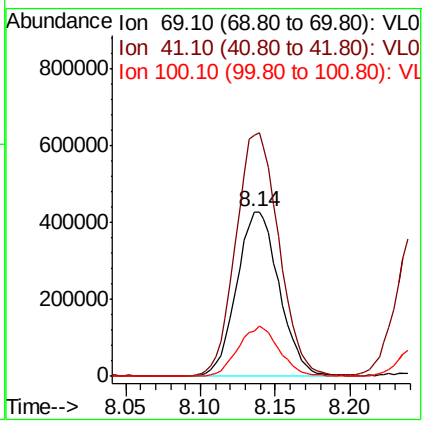


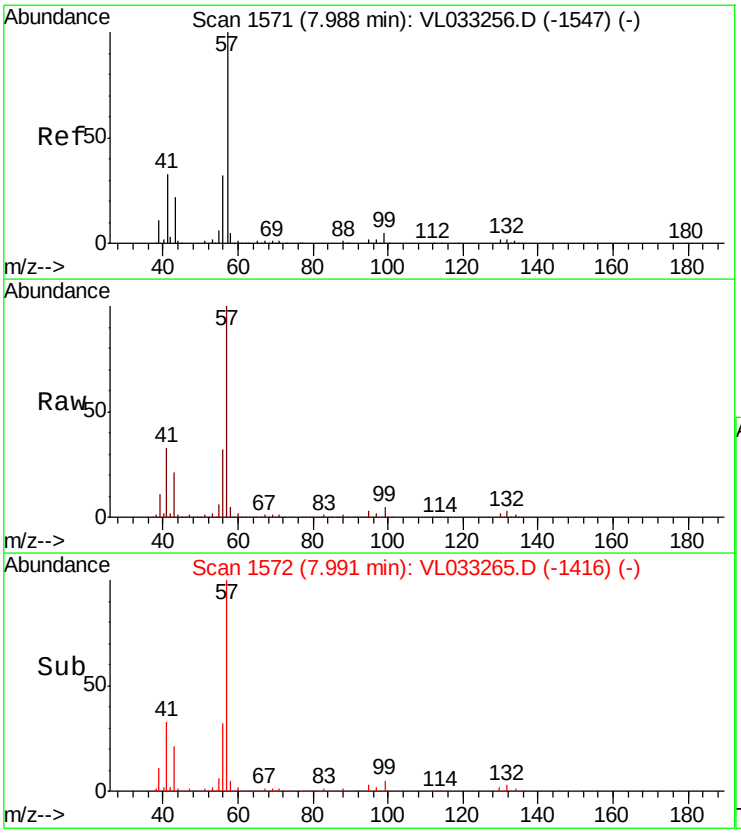
#43
Methyl Methacrylate
Concen: 10.254 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 69 Resp: 845052

Ion	Ratio	Lower	Upper
69	100		
41	150.1	120.3	180.5
100	29.5	23.5	35.3

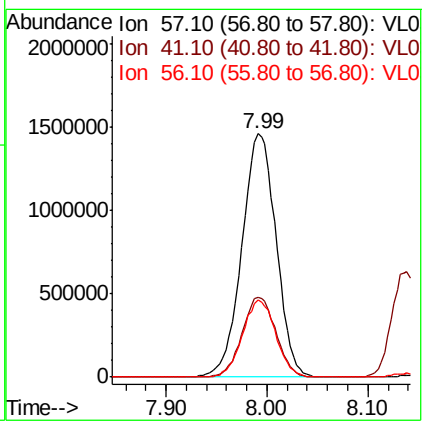


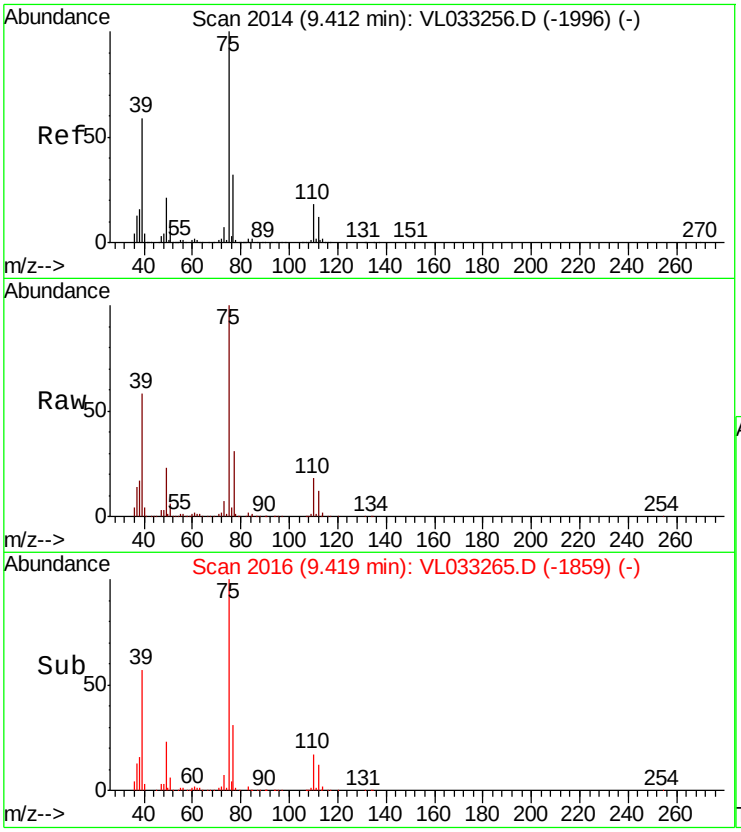


#44
2,2,4-Trimethylpentane
Concen: 9.413 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 57 Resp: 3426551

Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.4	39.6
56	30.8	25.1	37.7



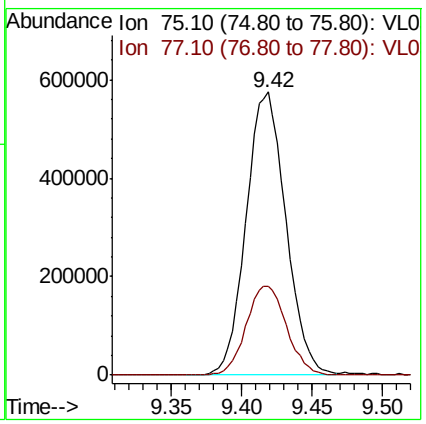


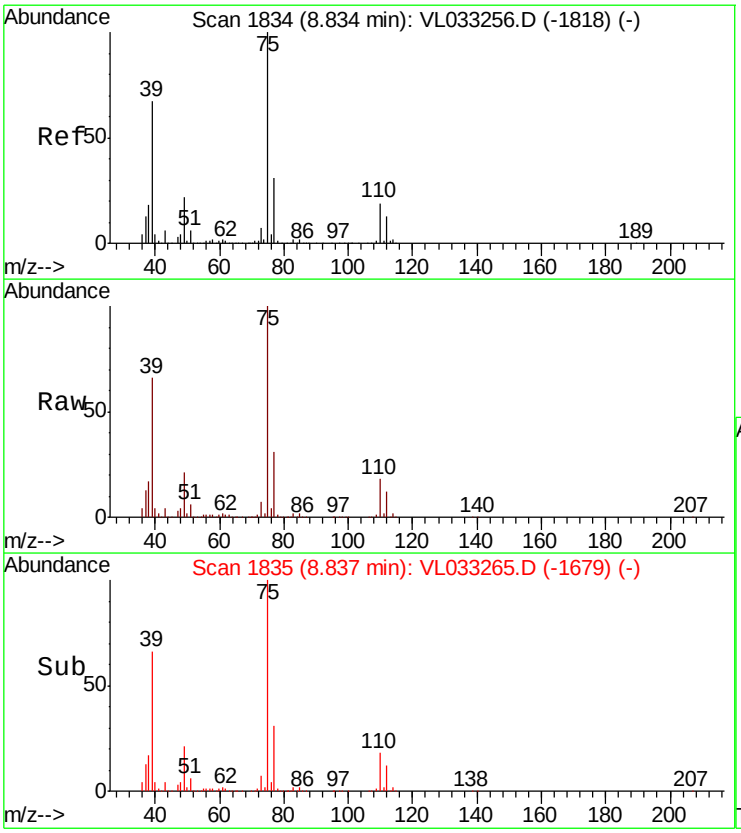
#45
t-1,3-Dichloropropene
Concen: 11.379 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 75 Resp: 1135742

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0

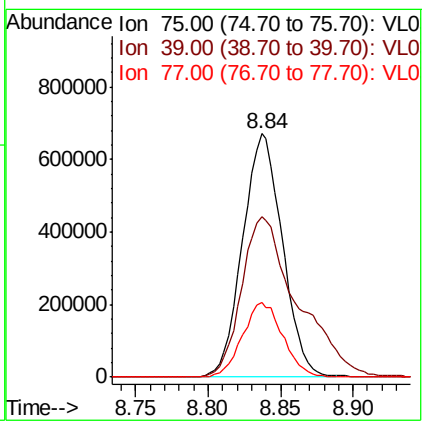


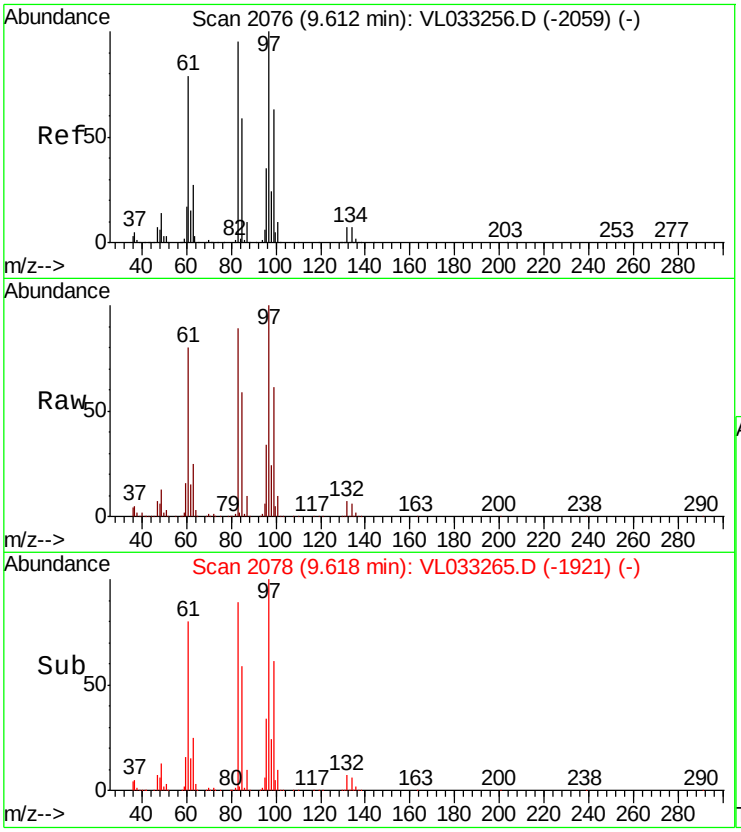


#46
cis-1,3-Dichloropropene
Concen: 10.899 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 75 Resp: 1280276

Ion	Ratio	Lower	Upper
75	100		
39	65.6	53.8	80.6
77	30.7	25.0	37.6



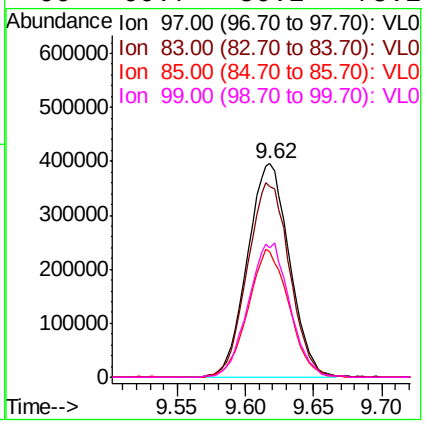


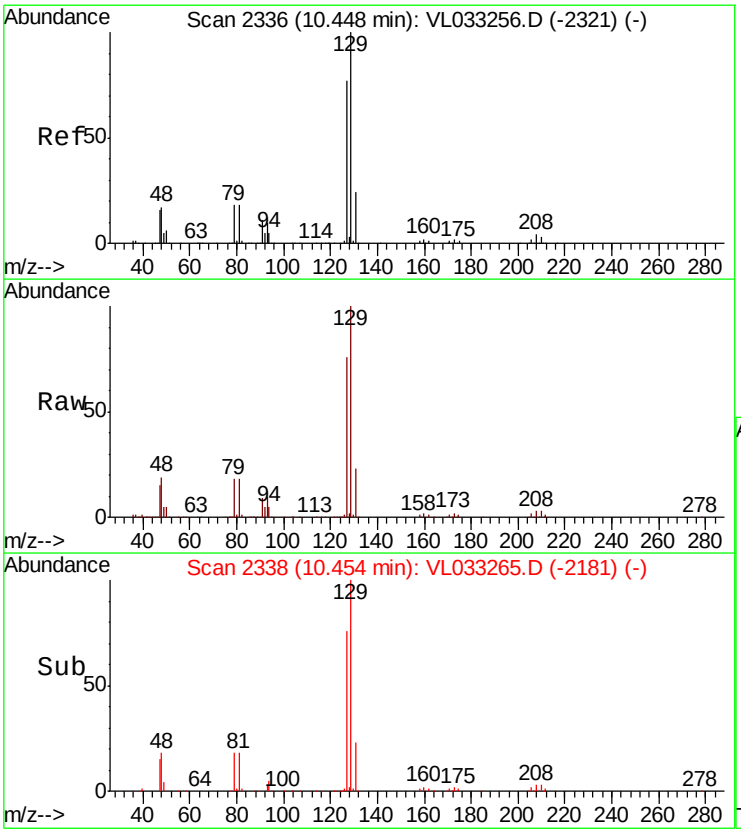
#47
1,1,2-Trichloroethane
Concen: 9.811 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 97 Resp: 846844

Ion	Ratio	Lower	Upper
97	100		
83	89.3	75.8	113.8
85	58.7	47.5	71.3
99	60.7	50.2	75.2

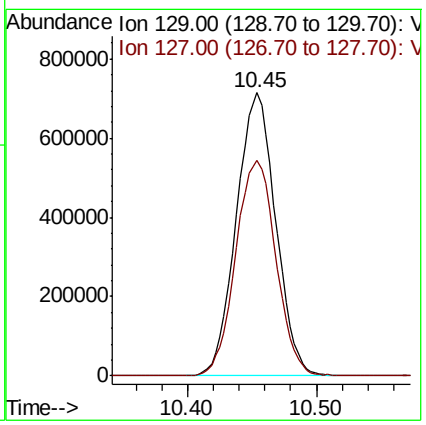


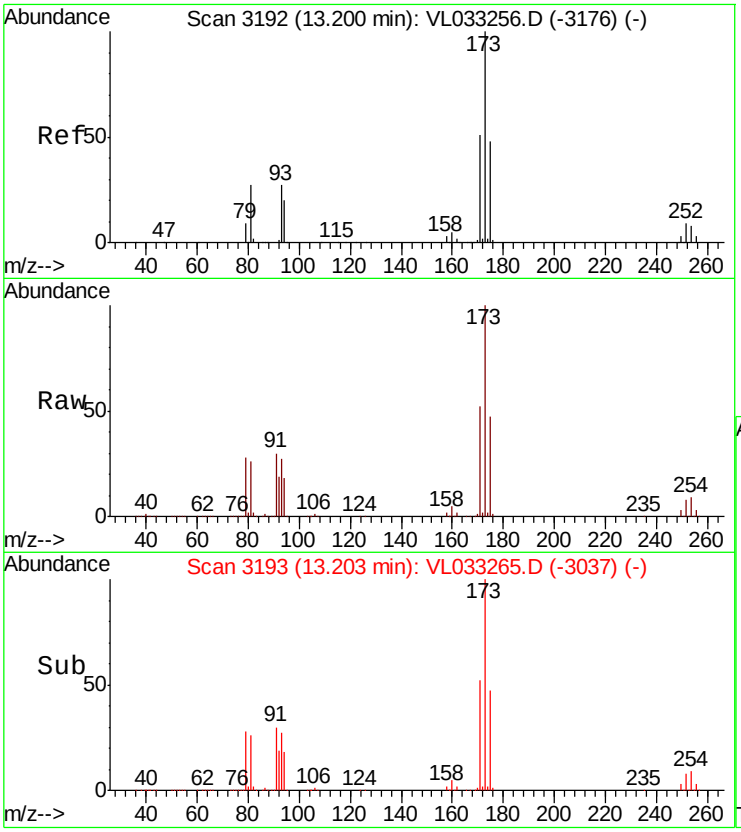


#48
Dibromochloromethane
Concen: 10.731 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:129 Resp: 1518597

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.4	118.2



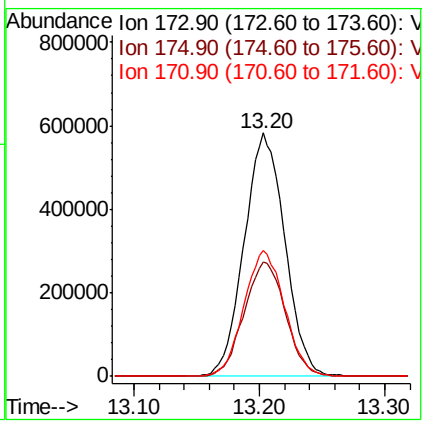


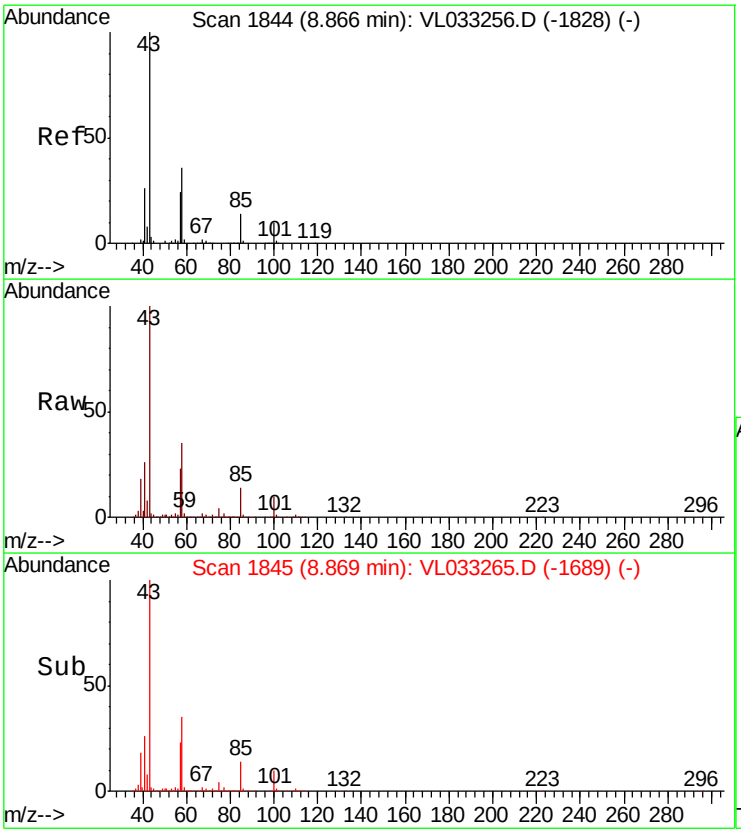
#49
Bromoform
Concen: 10.434 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:173 Resp: 1314070

Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.8	58.2
171	51.8	41.5	62.3

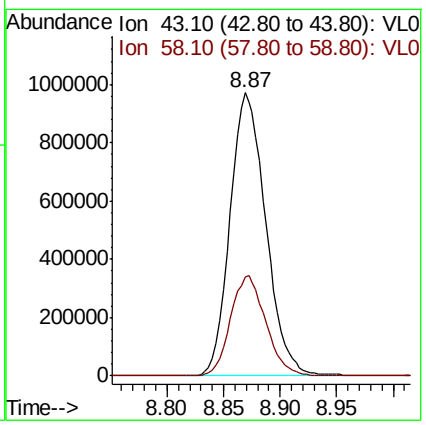


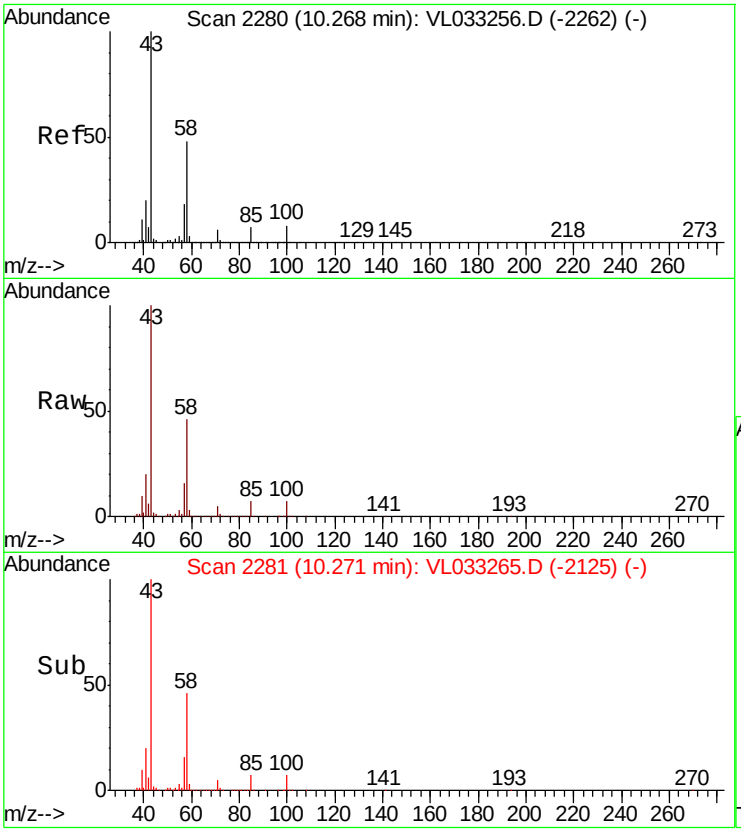


#50
4-Methyl-2-Pentanone
Concen: 9.790 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 43 Resp: 2130742

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.1	42.1



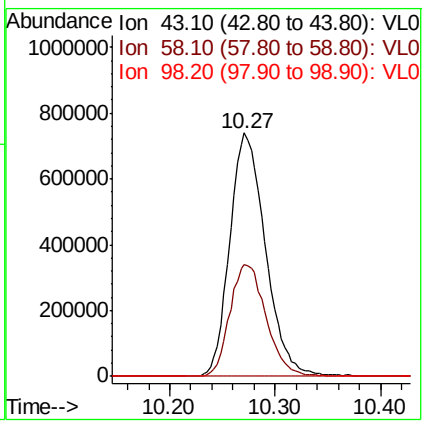


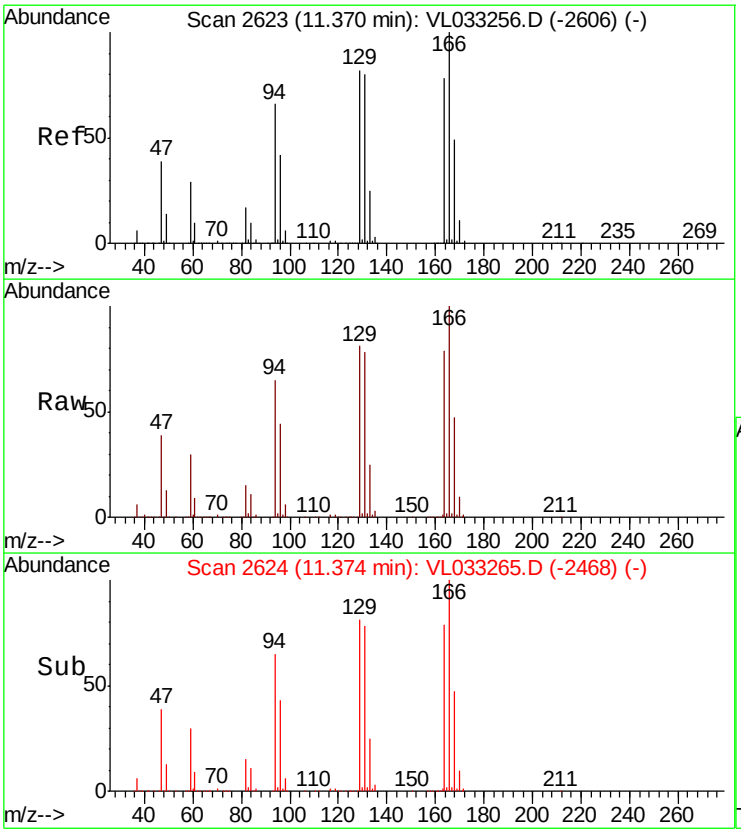
#51
2-Hexanone
Concen: 10.678 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 43 Resp: 1732396

Ion	Ratio	Lower	Upper
43	100		
58	46.8	38.1	57.1
98	0.2	0.2	0.4#

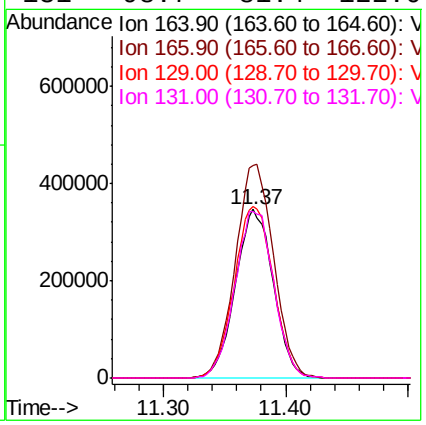


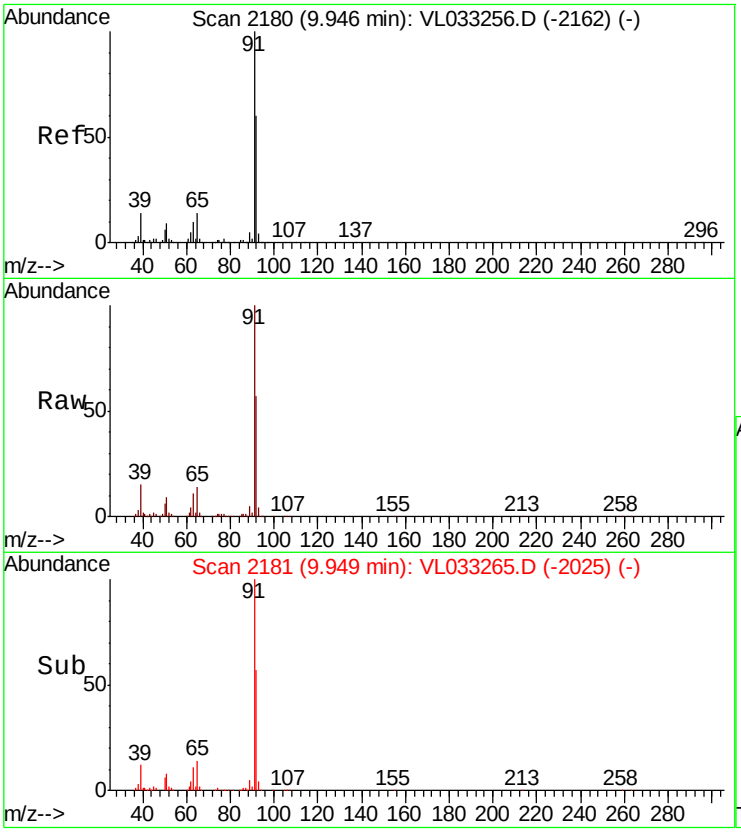


#52
Tetrachloroethene
Concen: 9.700 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:164 Resp: 740318

Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.0	153.0
129	101.8	83.2	124.8
131	98.7	81.4	122.0



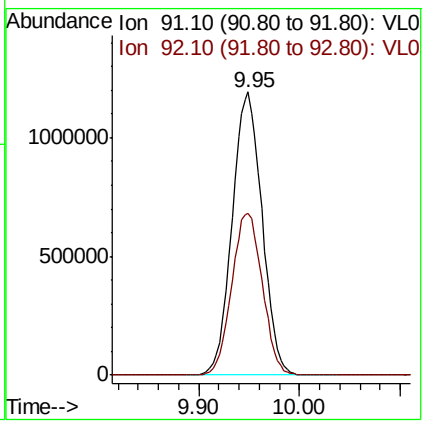


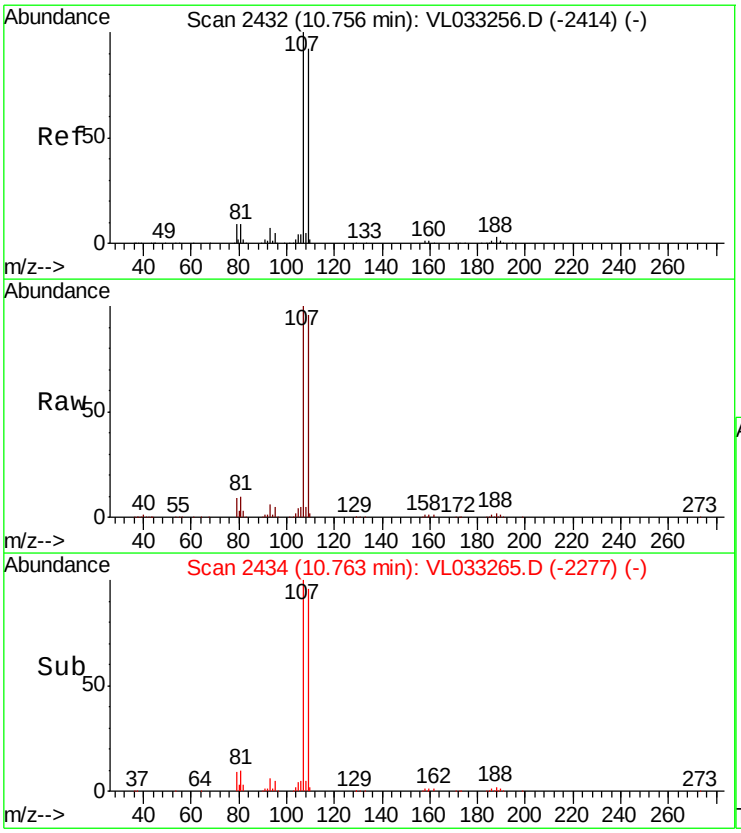
#53
Toluene
Concen: 10.426 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion: 91 Resp: 2446084

Ion	Ratio	Lower	Upper
91	100		
92	58.8	47.7	71.5

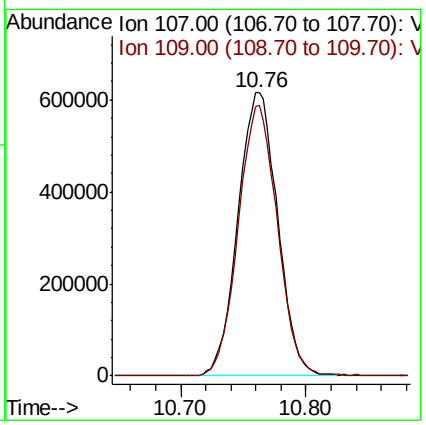


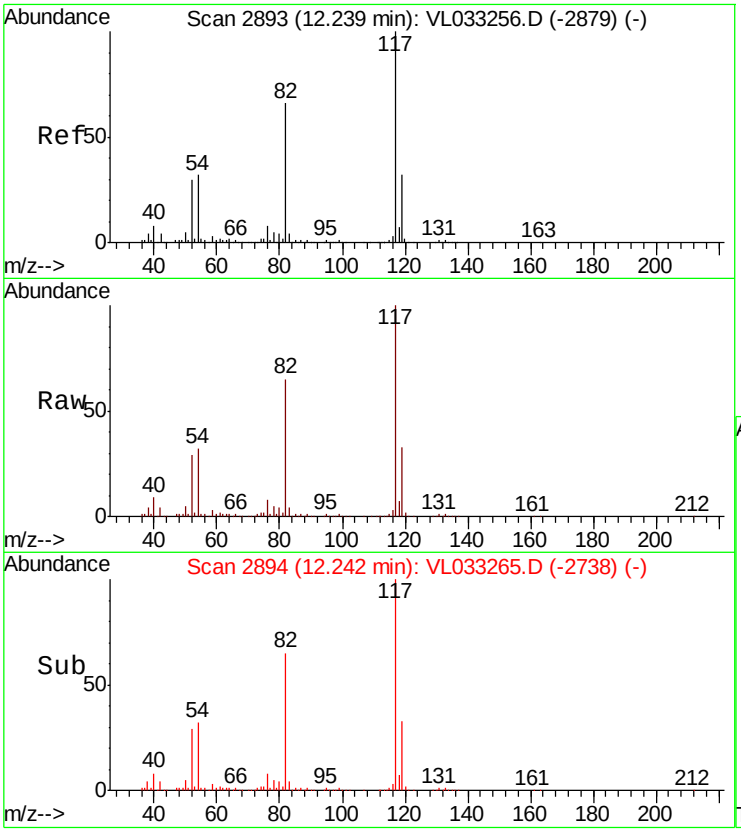


#54
1,2-Dibromoethane
Concen: 9.999 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:107 Resp: 1351910

Ion	Ratio	Lower	Upper
107	100		
109	95.5	73.9	110.9



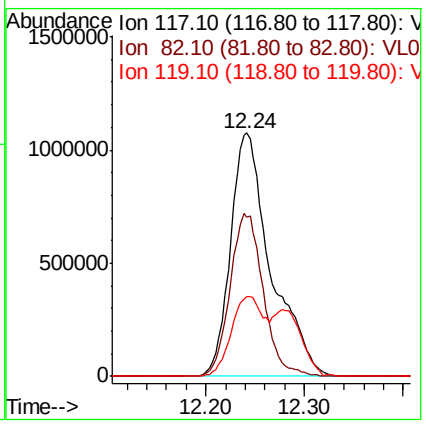


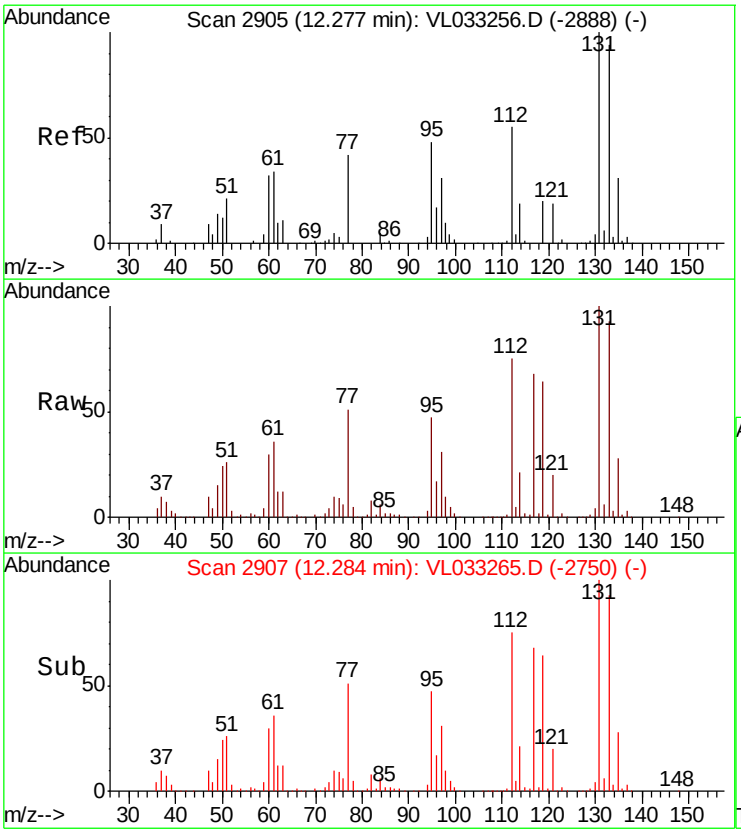
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:117 Resp: 3054894

Ion	Ratio	Lower	Upper
117	100		
82	55.0	52.2	78.4
119	27.0	43.4	65.2#

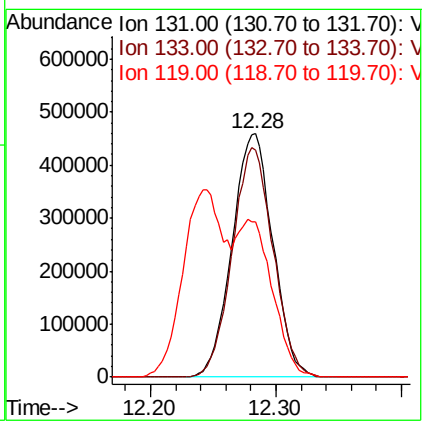


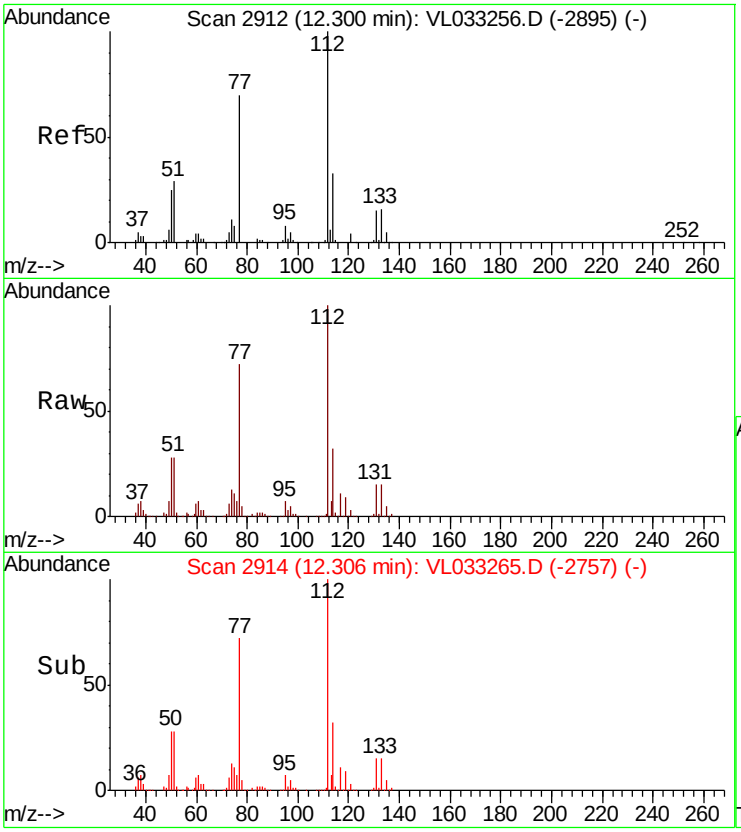


#56
1,1,1,2-Tetrachloroethane
Concen: 8.110 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:131 Resp: 1037080

Ion	Ratio	Lower	Upper
131	100		
133	94.4	76.3	114.5
119	137.2	109.2	163.8



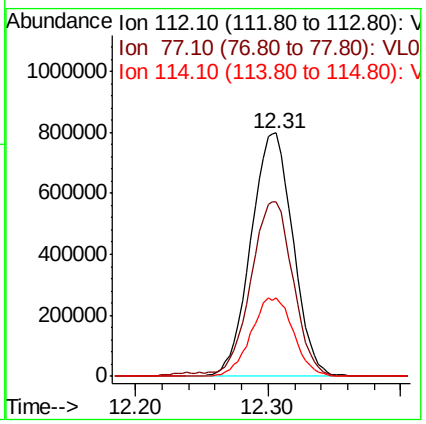


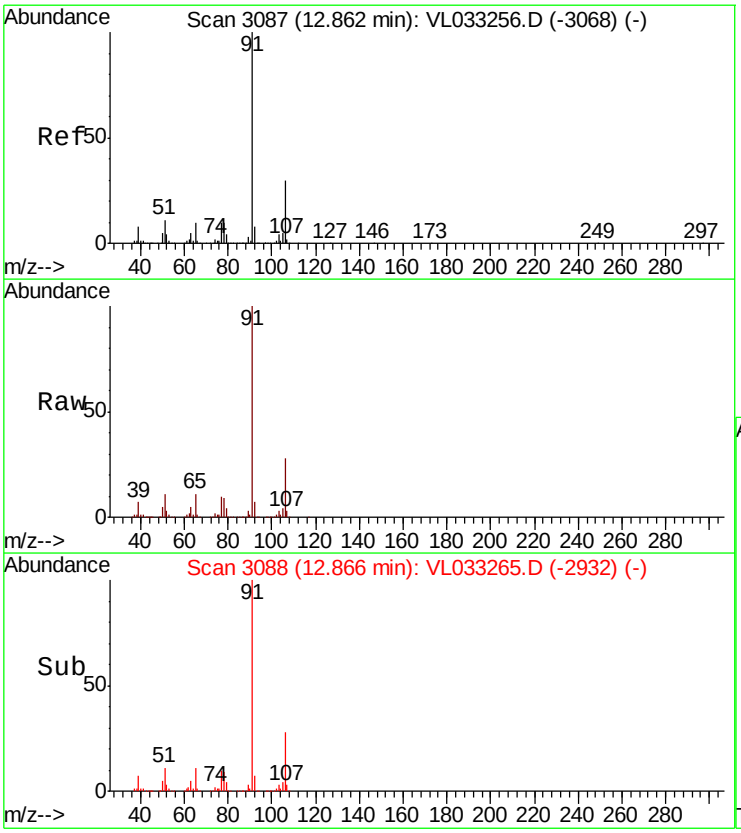
#57
Chlorobenzene
Concen: 7.855 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:112 Resp: 1759670

Ion	Ratio	Lower	Upper
112	100		
77	71.3	56.8	85.2
114	32.1	29.5	36.1

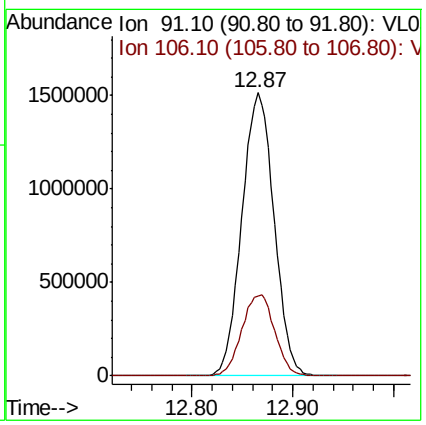


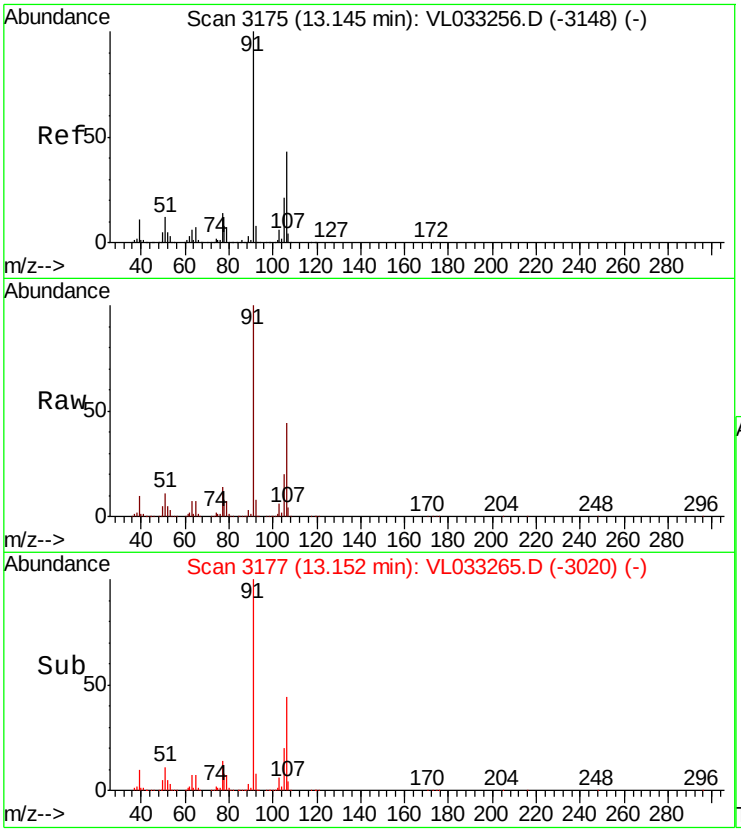


#58
Ethyl Benzene
Concen: 8.088 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 91 Resp: 3343305

Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.7	35.5



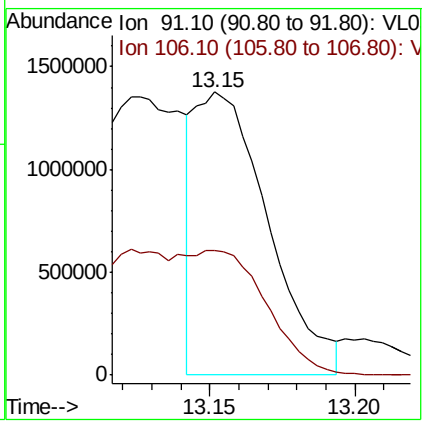


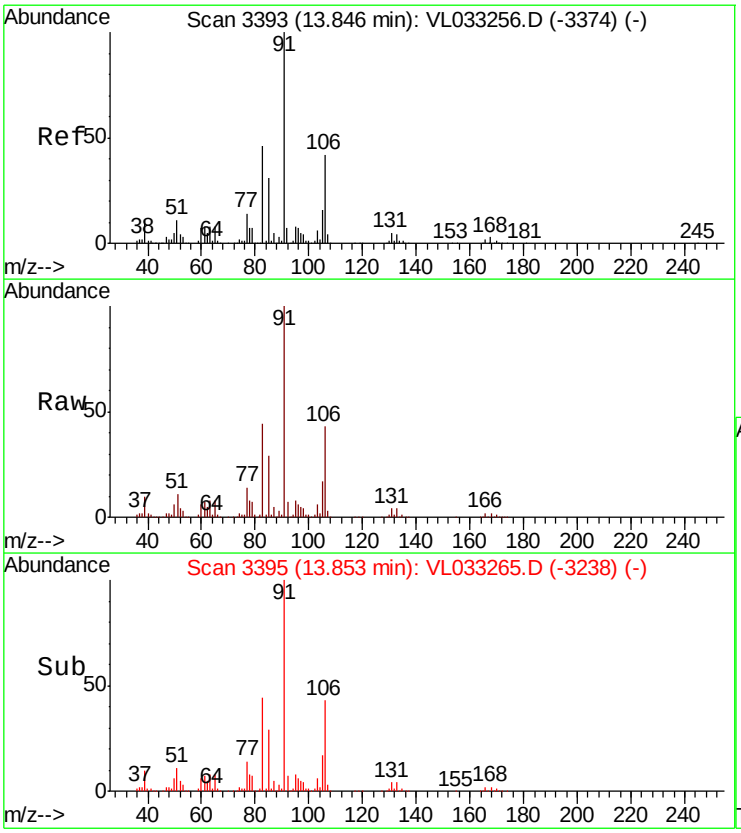
#59
m/p-Xylene
Concen: 6.403 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 91 Resp: 2395978

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.0	52.4#

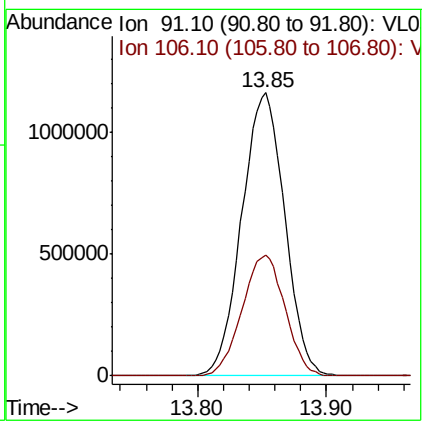


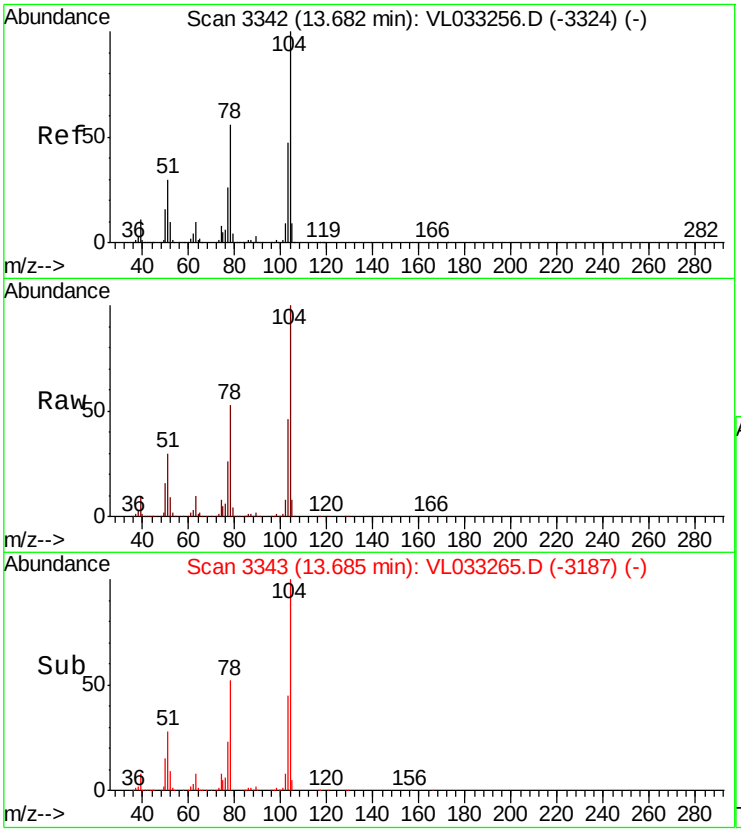


#60
o-Xylene
Concen: 7.446 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 91 Resp: 2697790

Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.1	63.4



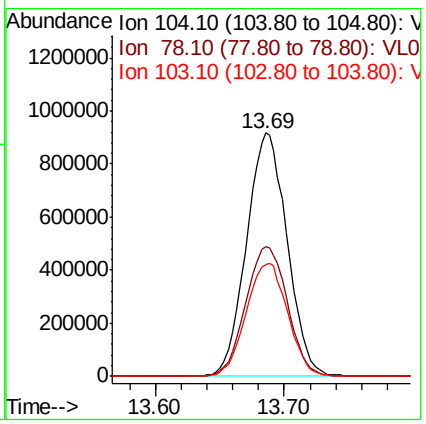


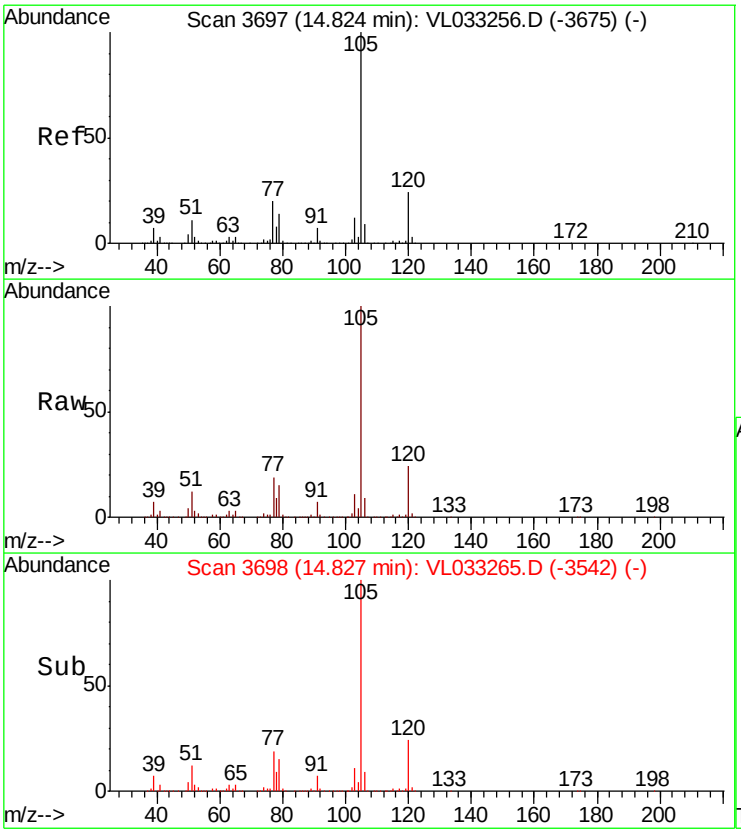
#61
Styrene
Concen: 8.155 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:104 Resp: 2010309

Ion	Ratio	Lower	Upper
104	100		
78	54.8	43.9	65.9
103	47.7	38.3	57.5

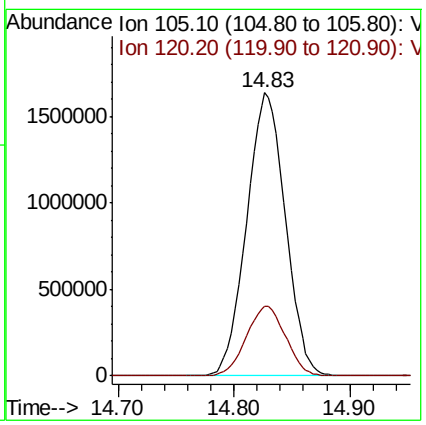


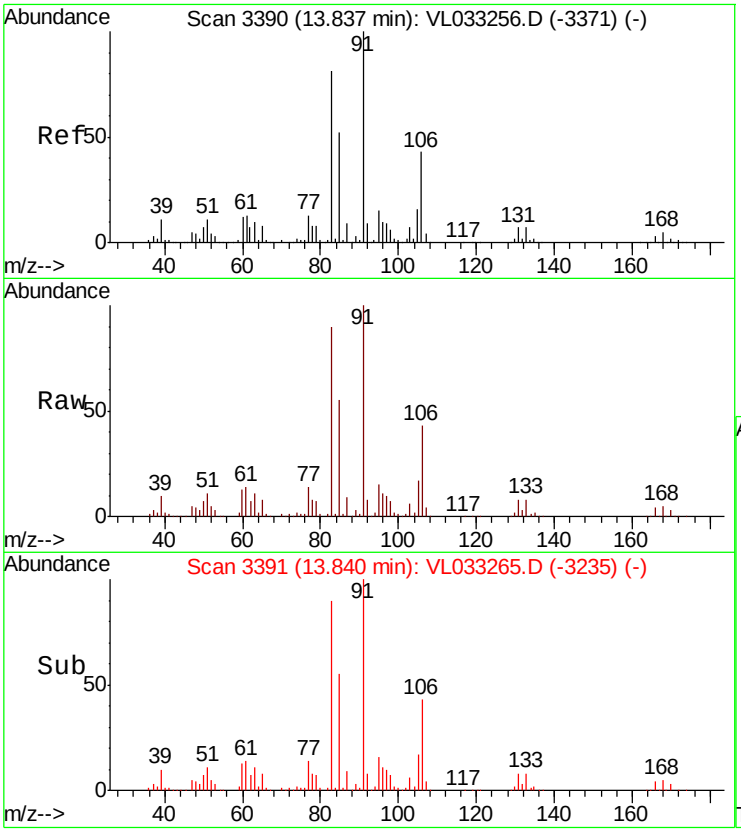


#62
Isopropylbenzene
Concen: 7.856 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:105 Resp: 3800885

Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.7	29.5



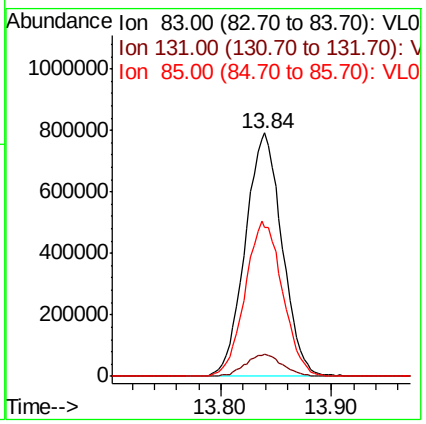


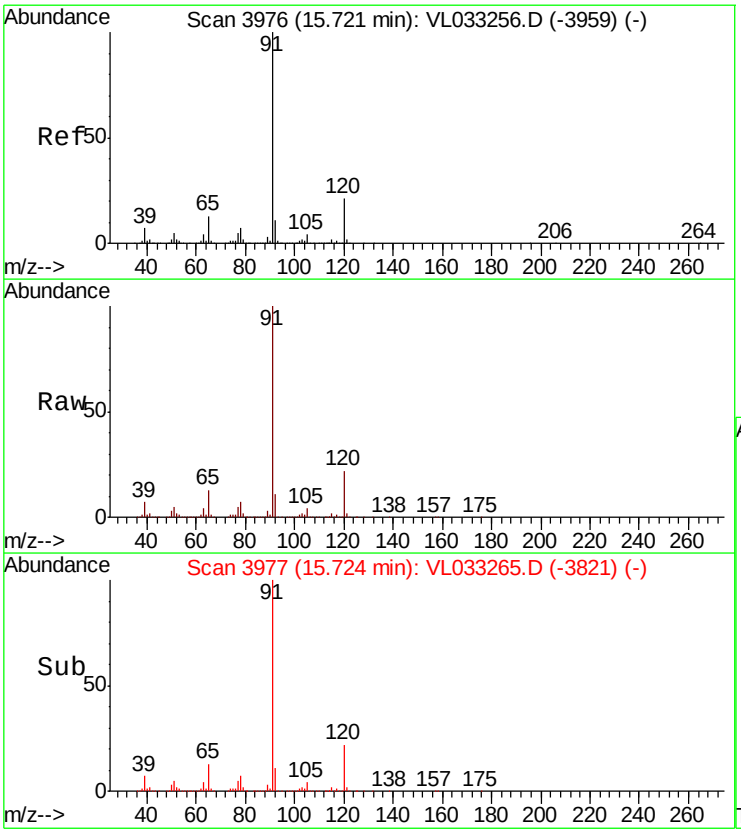
#63
1,1,2,2-Tetrachloroethane
Concen: 7.862 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 83 Resp: 1832303

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	64.8	32.4	97.0

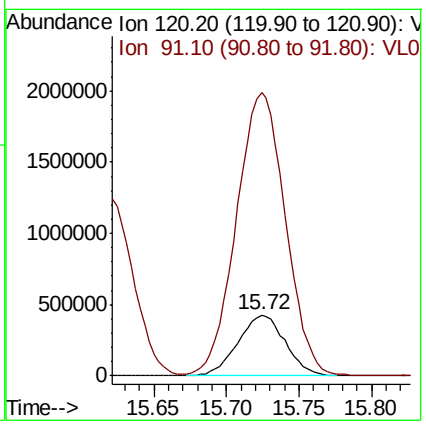


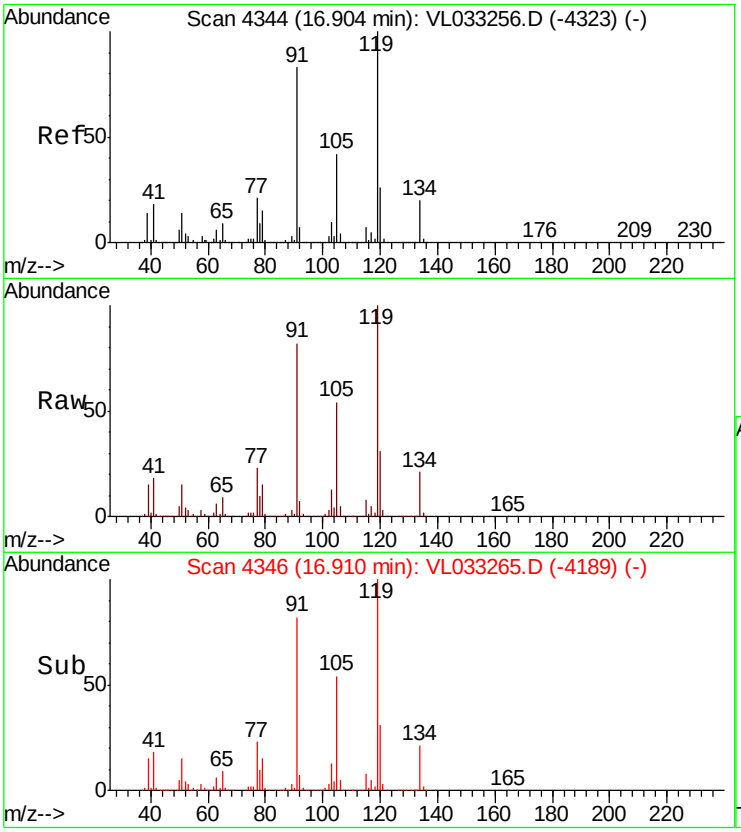


#64
n-propylbenzene
Concen: 8.105 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:120 Resp: 958835

Ion	Ratio	Lower	Upper
120	100		
91	488.9	392.8	589.2



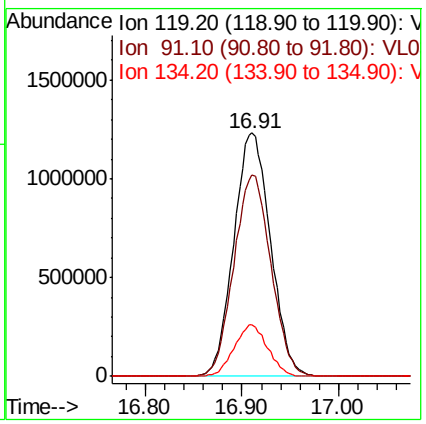


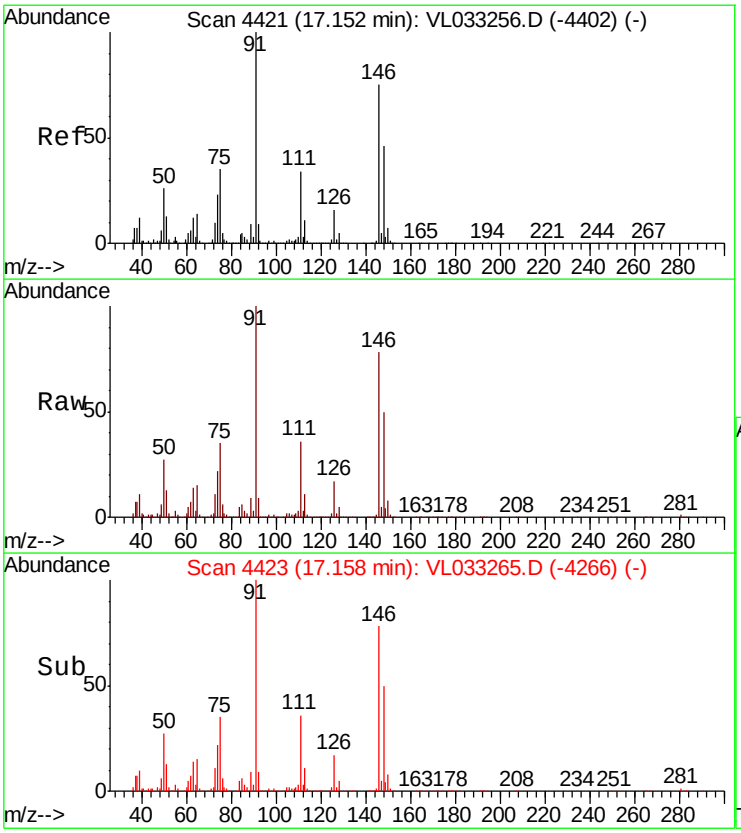
#65
tert-Butylbenzene
Concen: 7.982 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion:119 Resp: 3247849

Ion	Ratio	Lower	Upper
119	100		
91	83.7	67.3	100.9
134	19.4	15.5	23.3

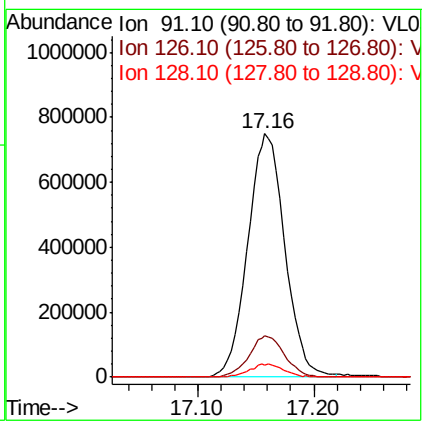


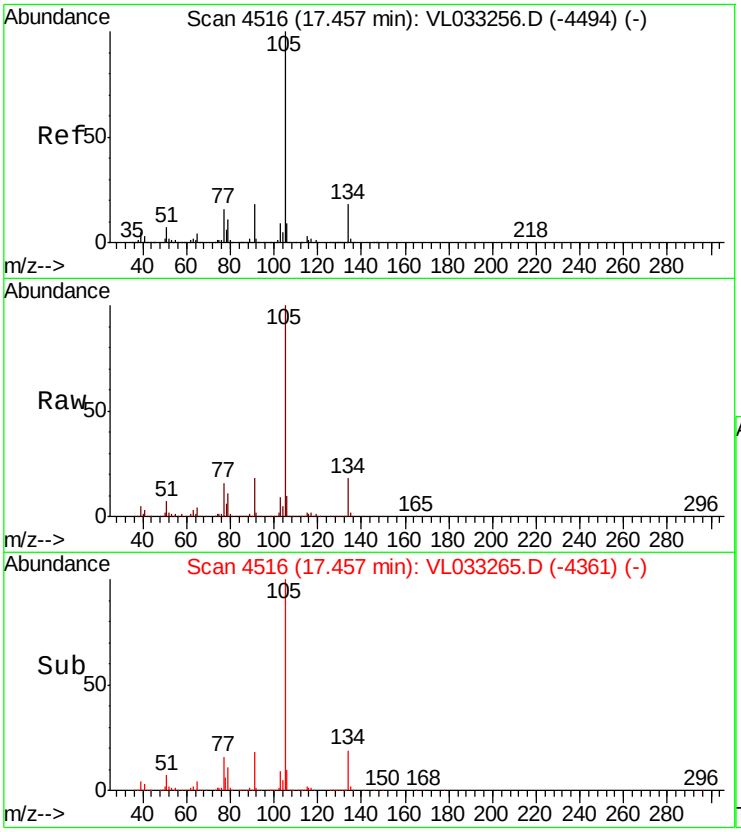


#66
Benzyl Chloride
Concen: 10.952 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 91 Resp: 1669759

Ion	Ratio	Lower	Upper
91	100		
126	16.2	13.0	19.6
128	5.2	4.2	6.2



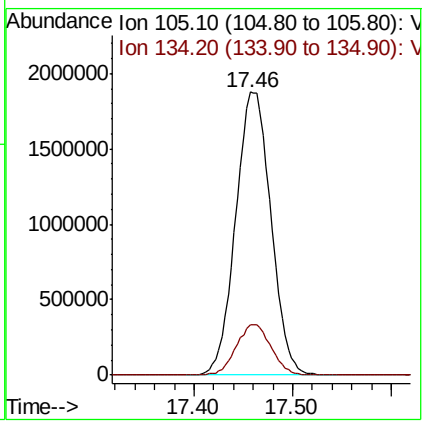


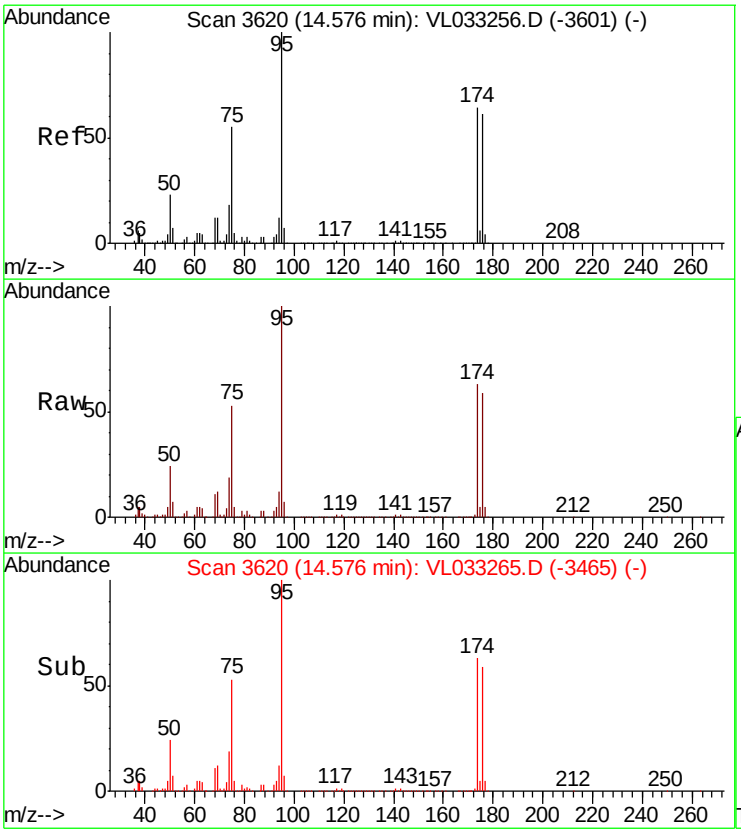
#67
sec-Butylbenzene
Concen: 8.012 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:105 Resp: 4635369

Ion	Ratio	Lower	Upper
105	100		
134	17.8	14.0	21.0

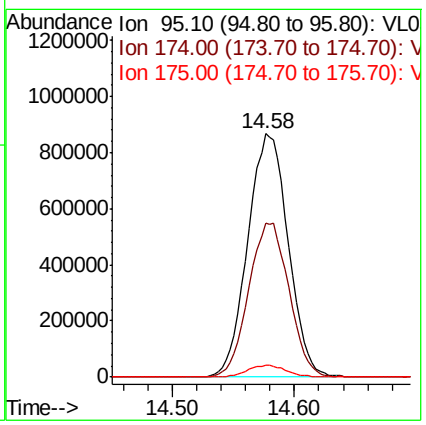


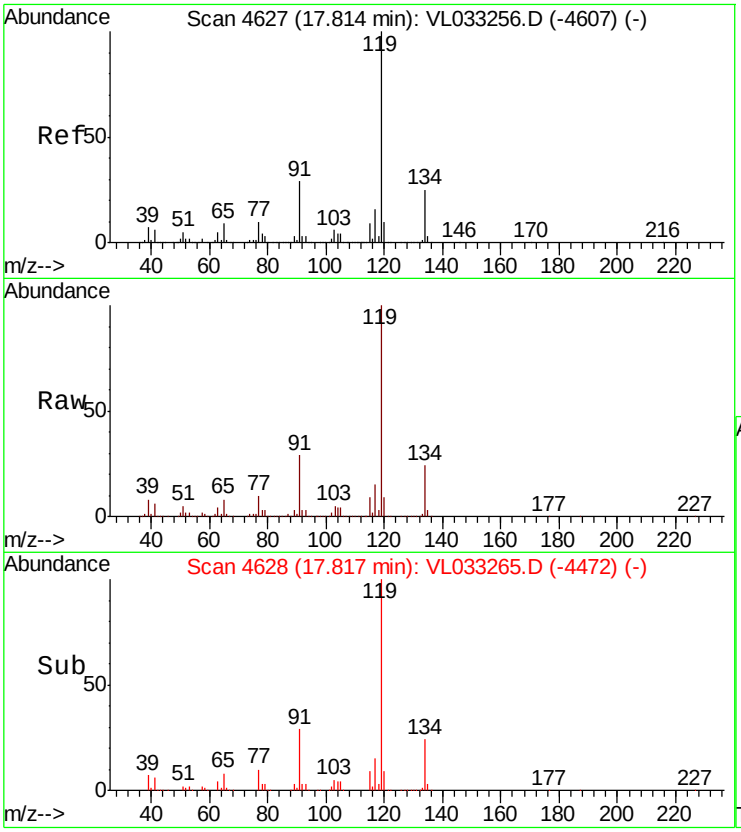


#68
1-Bromo-4-Fluorobenzene
Concen: 8.105 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 95 Resp: 1987117

Ion	Ratio	Lower	Upper
95	100		
174	63.5	51.7	77.5
175	4.7	3.8	5.8



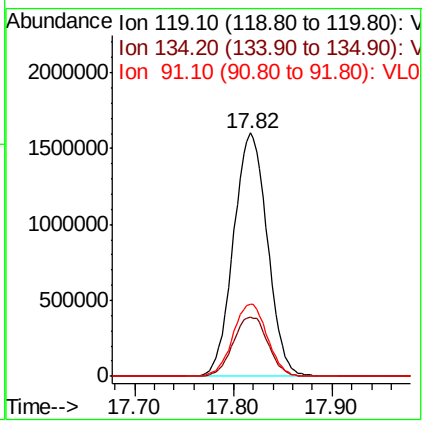


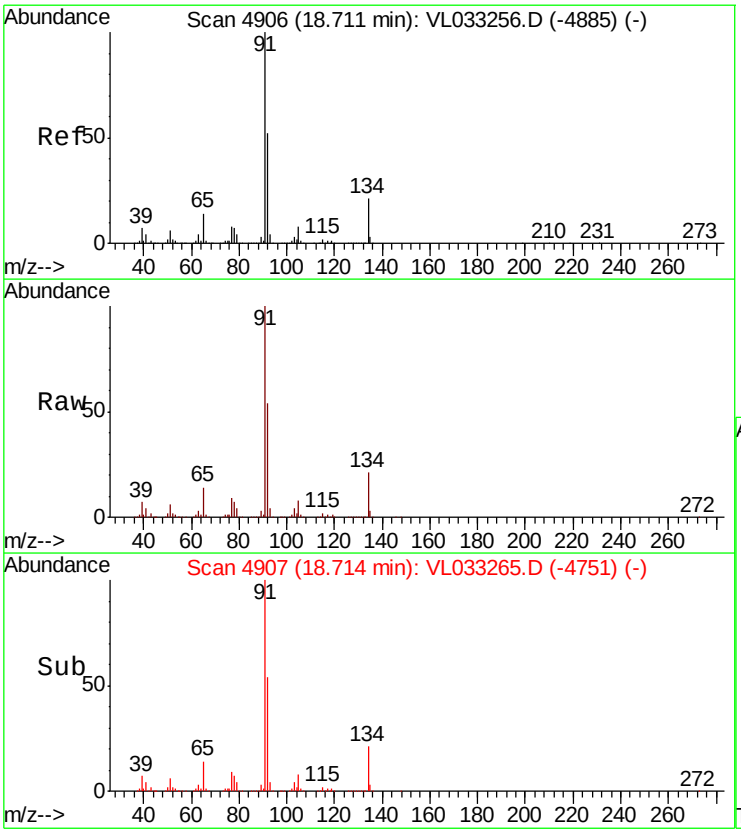
#69
p-Isopropyltoluene
Concen: 8.121 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:119 Resp: 3812812

Ion	Ratio	Lower	Upper
119	100		
134	25.1	19.8	29.8
91	30.3	23.9	35.9

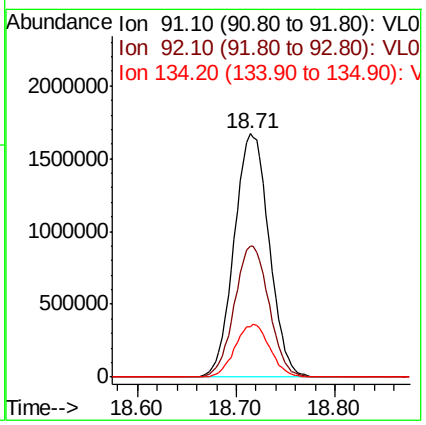


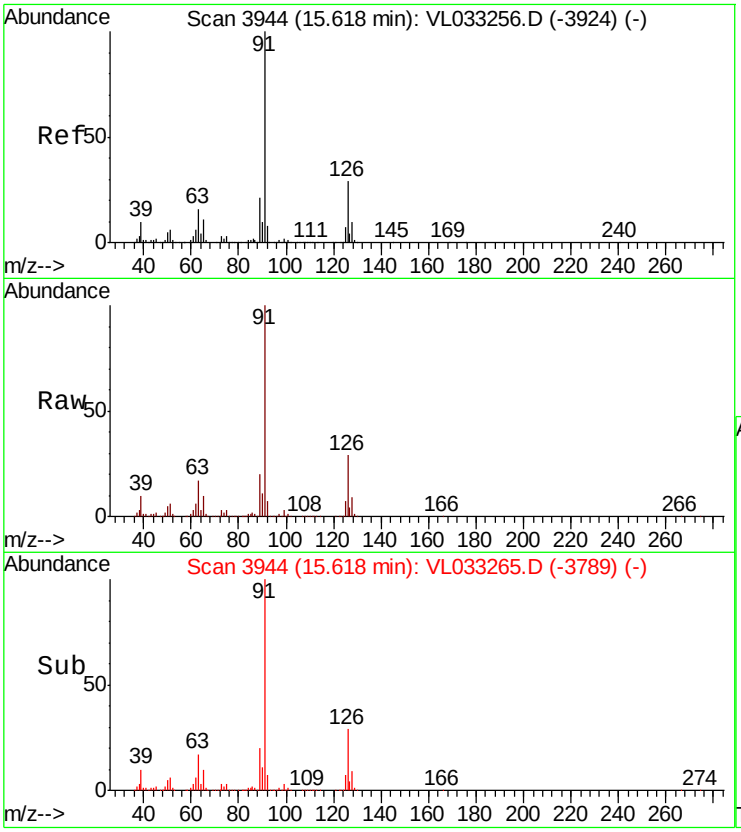


#70
n-Butylbenzene
Concen: 8.046 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion: 91 Resp: 4094345

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.6	63.8
134	21.6	17.3	25.9



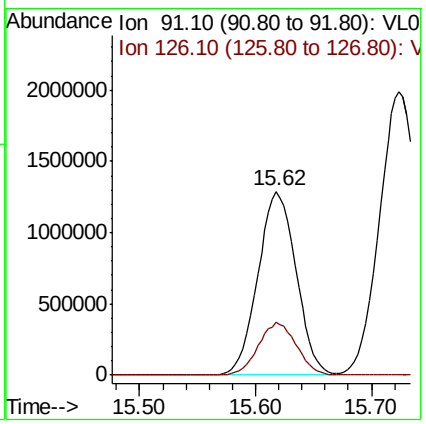


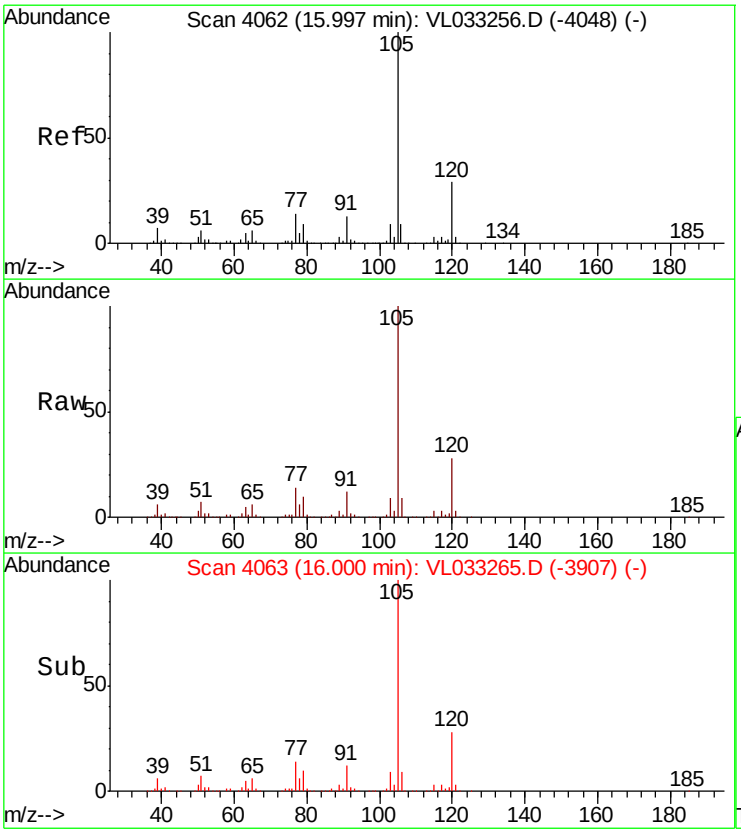
#71
2-Chlorotoluene
Concen: 8.140 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion: 91 Resp: 2946660

Ion	Ratio	Lower	Upper
91	100		
126	28.7	11.7	46.9

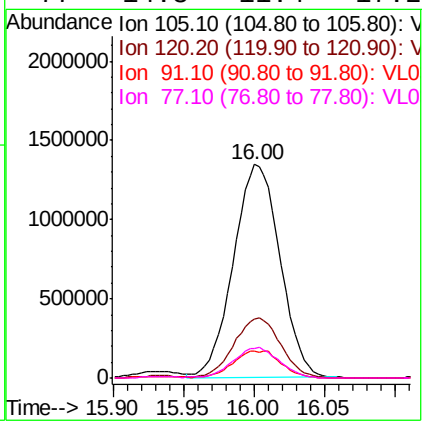


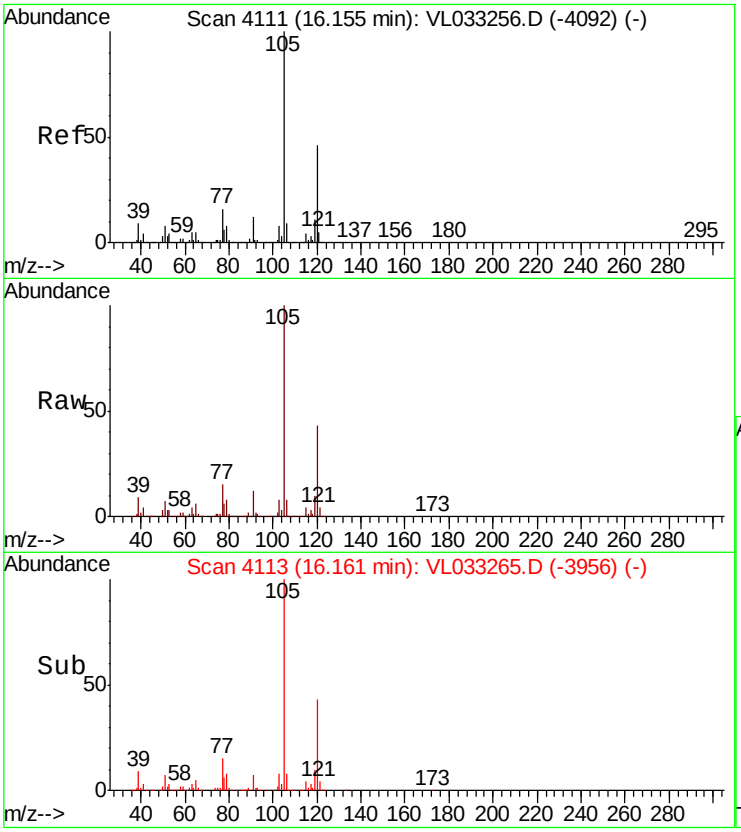


#72
4-Ethyltoluene
Concen: 8.261 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:105 Resp: 3116527

Ion	Ratio	Lower	Upper
105	100		
120	28.3	22.9	34.3
91	13.0	10.4	15.6
77	14.3	11.4	17.2



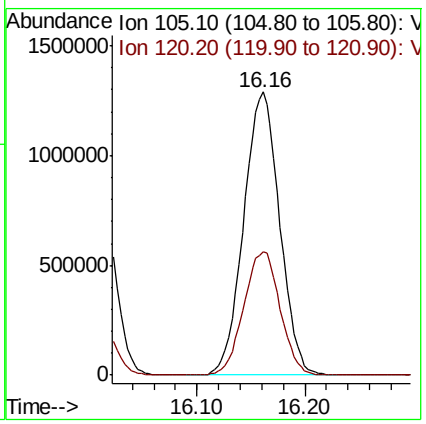


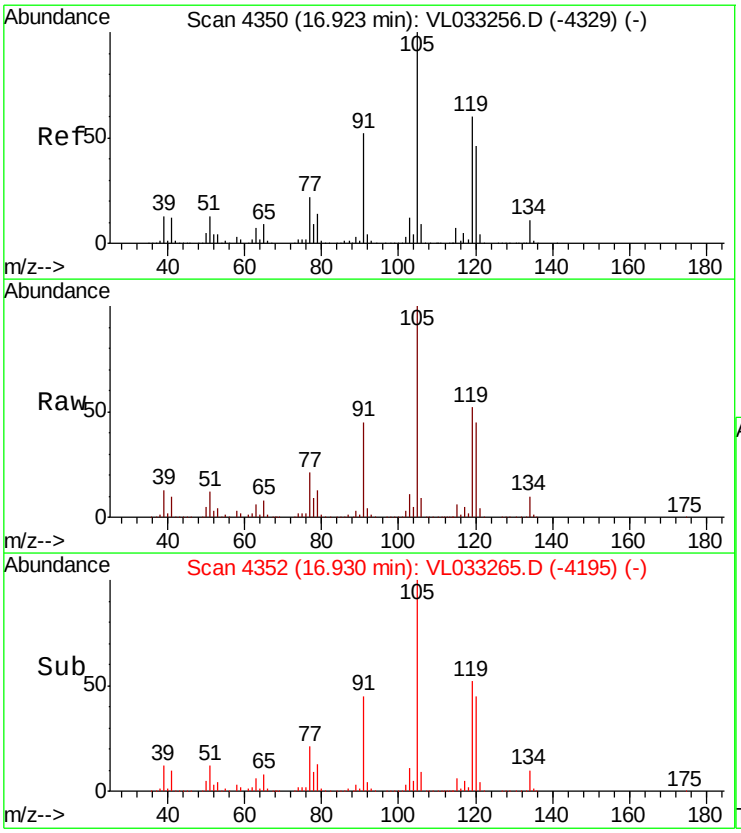
#73
1,3,5-Trimethylbenzene
Concen: 8.267 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:105 Resp: 2971409

Ion	Ratio	Lower	Upper
105	100		
120	43.4	36.6	55.0

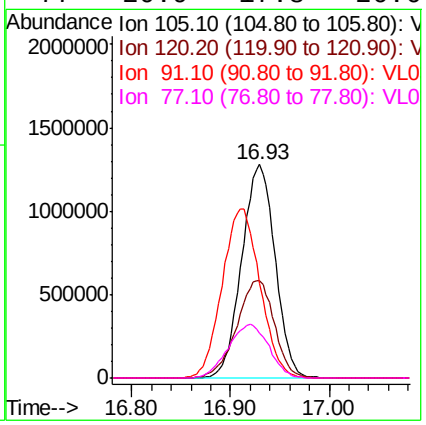


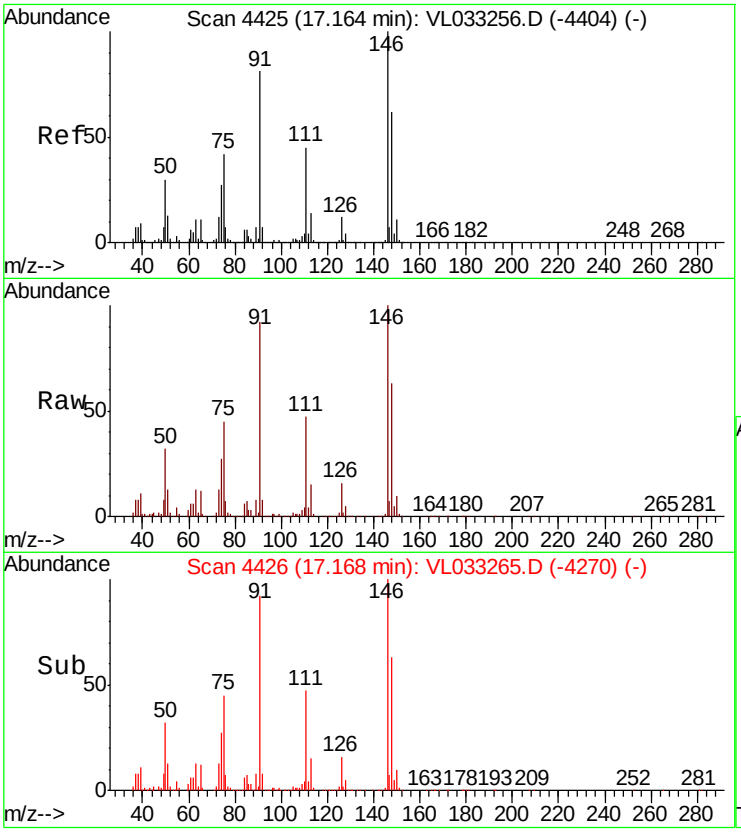


#74
1,2,4-Trimethylbenzene
Concen: 7.998 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:105 Resp: 2991486

Ion	Ratio	Lower	Upper
105	100		
120	45.4	36.7	55.1
91	44.5	42.1	63.1
77	20.9	17.8	26.6



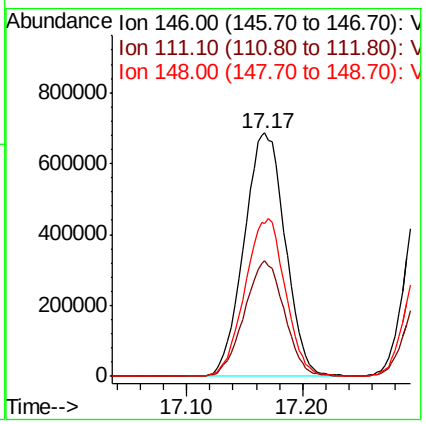


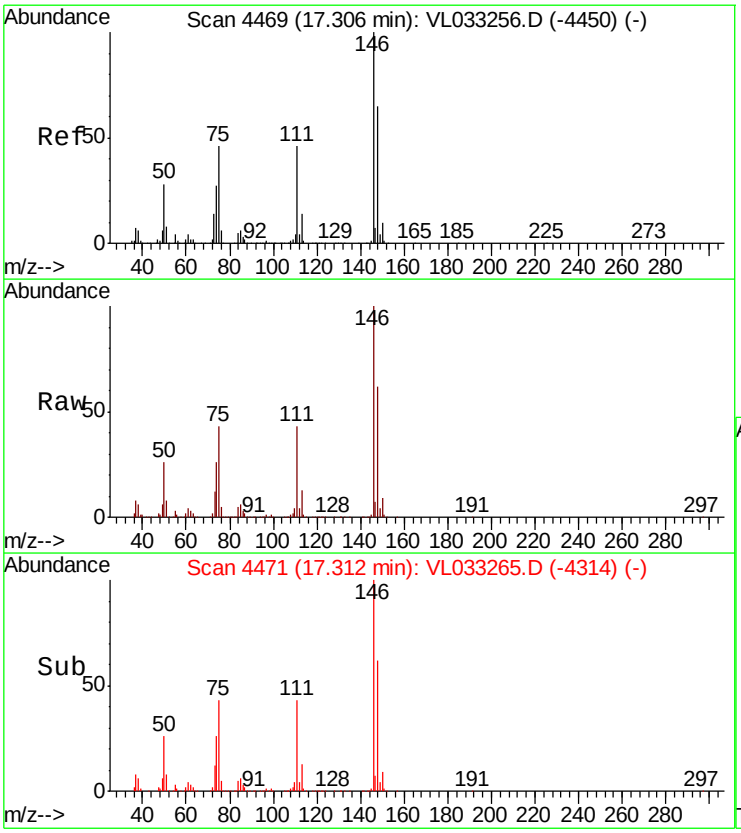
#75
1,3-Dichlorobenzene
Concen: 7.652 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:146 Resp: 1691327

Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.9	68.7
148	63.8	31.6	94.7

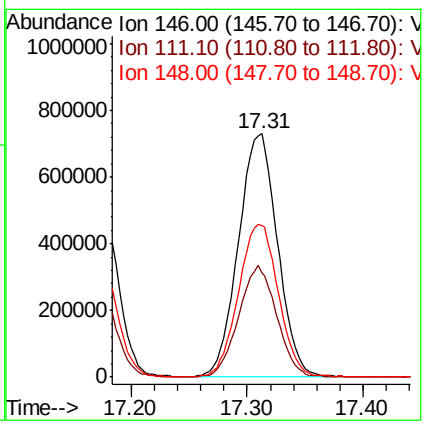


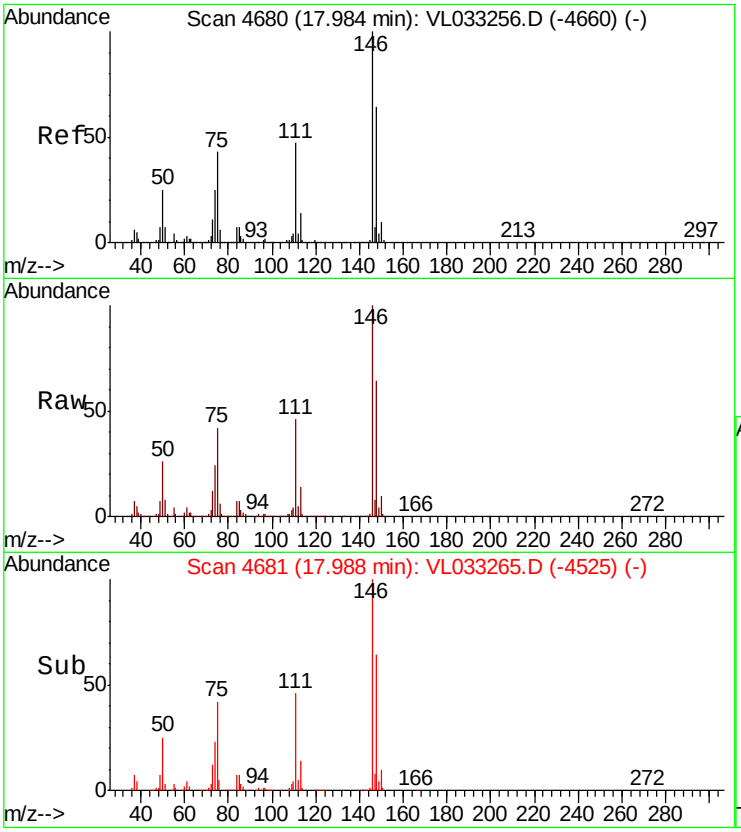


#76
1,4-Dichlorobenzene
Concen: 7.863 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. 0.01 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:146 Resp: 1701930

Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.6	67.7
148	64.7	32.3	96.9



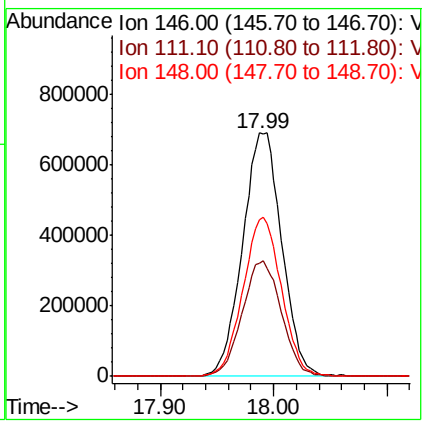


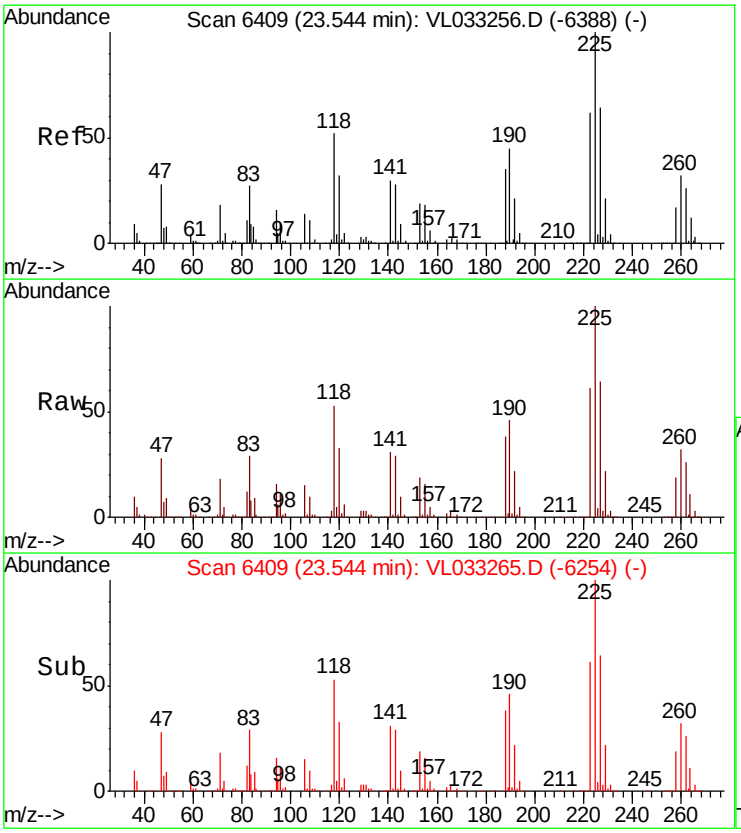
#77
1,2-Dichlorobenzene
Concen: 7.822 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument : MSVOA_L
ClientSampleId : VL0308ABS01

Tgt Ion:146 Resp: 1664383

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.8	71.2
148	64.0	32.0	96.2

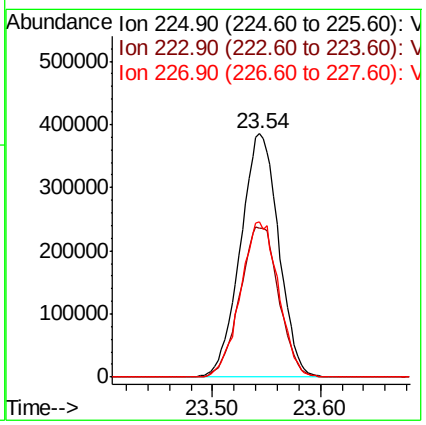


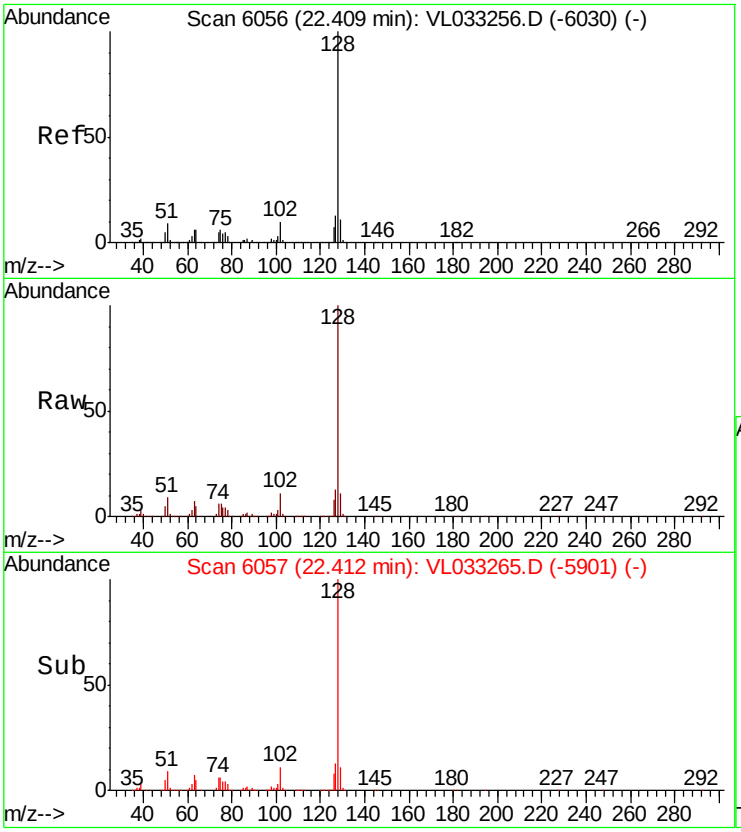


#78
Hexachloro-1,3-Butadiene
Concen: 5.874 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:225 Resp: 946743

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.4	75.6
227	63.6	51.4	77.0



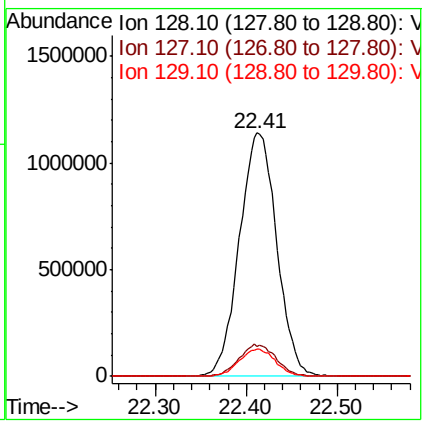


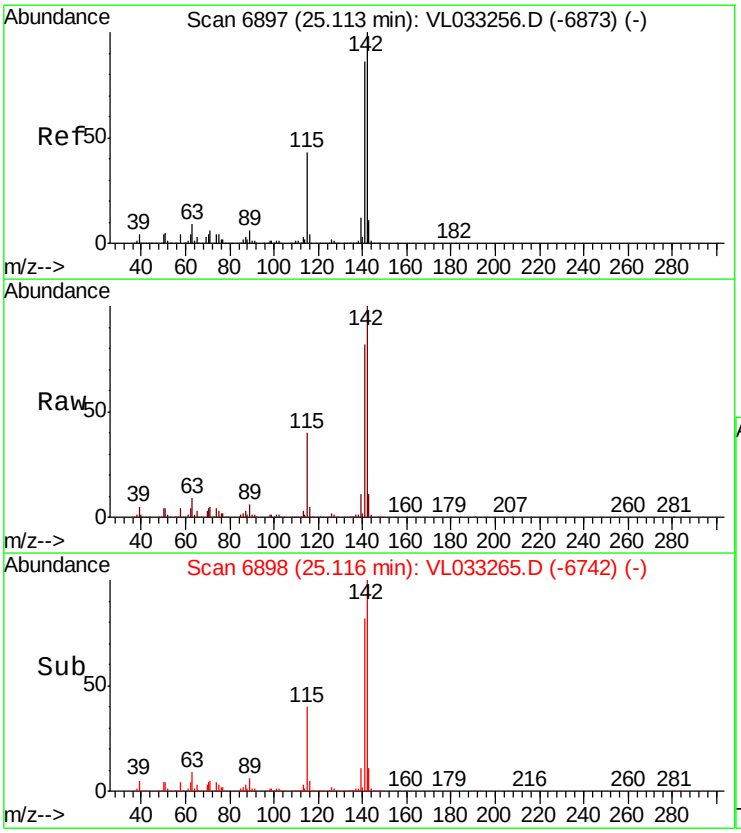
#79
Naphthalene
Concen: 7.975 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:128 Resp: 3252430

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	11.1	8.6	13.0

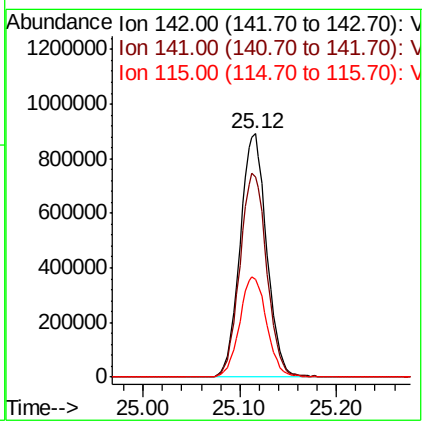


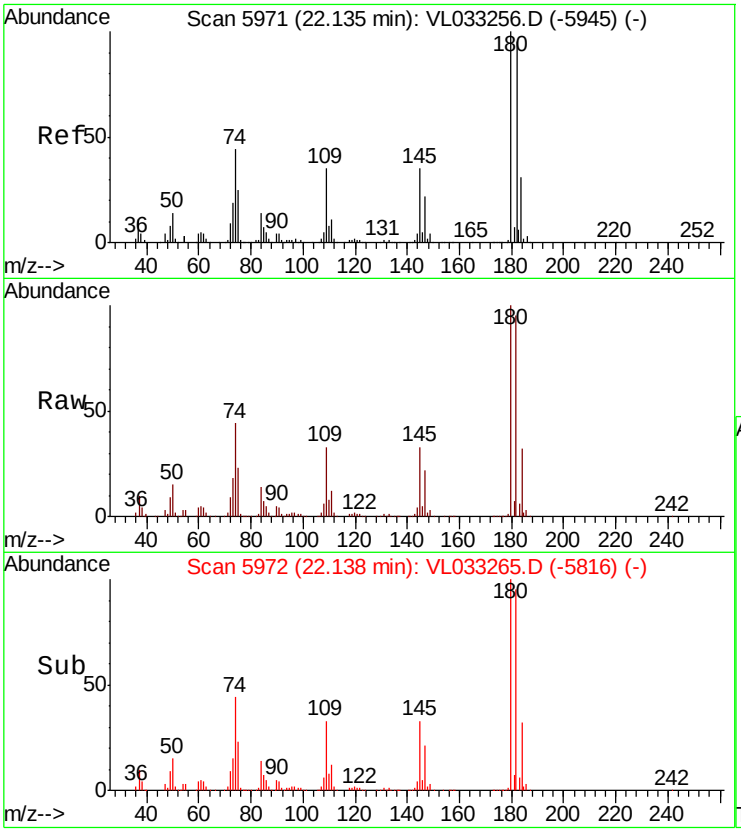


#80
Naphthalene,2-methyl-
Concen: 17.039 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Tgt Ion:142 Resp: 1700619

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.6	101.4
115	42.1	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 7.280 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. 0.00 min
Lab File: VL033265.D
Acq: 8 Mar 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
VL0308ABS01

Tgt Ion:180 Resp: 1531207

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
184	30.7	24.6	36.8