Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033319.D
Acq On : 15 Mar 2019 4:13
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 15 04:46:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 04:20:36 2019
QLast Update : Fri Mar 15 04:20:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	910464	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2053536	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2030295	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1500955	9.67	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	186126	1.159	ppbv	96
3) Chlorodifluoromethane	3.02	51	105912	0.914	ppbv	99
4) Chloromethane	3.17	50	58636	0.938	ppbv	93
5) Vinyl Chloride	3.29	62	54036	0.853	ppbv	97
6) Bromomethane	3.52	94	35341	0.932	ppbv	90
7) Chloroethane	3.60	64	20307	0.904	ppbv	92
8) Dichlorotetrafluoroethane	3.22	85	147098	0.976	ppbv	98
9) Propene	3.04	41	49570	0.956	ppbv	95
10) Heptane	8.25	43	115985	0.902	ppbv	99
11) Trichlorofluoromethane	4.00	101	158185	0.949	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	104122	0.926	ppbv	97
13) Ethanol	3.65	45	16151	0.994	ppbv #	44
14) Bromoethene	3.79	108	42871	0.915	ppbv	97
15) Acetone	3.90	43	163065	1.314	ppbv	99
16) 1,3-Butadiene	3.36	39	48127	0.967	ppbv	93
17) tert-Butyl alcohol	4.37	59	9049	0.419	ppbv #	73
18) 1,1-Dichloroethene	4.36	96	45048	0.914	ppbv	95
19) Isopropyl Alcohol	4.04	45	68761	0.902	ppbv	100
20) Methylene Chloride	4.41	84	47361	0.950	ppbv	98
21) Allyl Chloride	4.48	41	66941	0.903	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	21502	0.434	ppbv	91
23) Vinyl Acetate	5.15	43	163417	0.930	ppbv	99
24) 1,1-Dichloroethane	5.09	63	121505	0.957	ppbv	99
25) Ethyl Acetate	5.77	43	204242	0.913	ppbv	99
26) Hexane	5.78	57	99601	0.952	ppbv	93
27) Carbon Disulfide	4.62	76	97141	0.874	ppbv	95
28) Methyl tert-Butyl Ether	5.12	73	133475	0.909	ppbv	99
29) Chloroform	5.85	83	154994	0.949	ppbv	98
30) Cyclohexane	7.25	84	72982	0.905	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	91645	0.920	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	144746	0.908	ppbv	98
34) 2-Butanone	5.34	43	136996	0.990	ppbv	99
35) Carbon Tetrachloride	7.14	117	145580	0.926	ppbv	97
36) Benzene	7.00	78	186016	0.936	ppbv	98
37) 1,2-Dichloroethane	6.42	62	120578	1.003	ppbv	99
38) Trichloroethene	7.96	130	74860	0.944	ppbv	95
39) 1,2-Dichloropropane	7.74	63	71393	0.935	ppbv	94
41) Tetrahydrofuran	6.16	42	72467	0.929	ppbv	99
42) Bromodichloromethane	7.92	83	155656	0.924	ppbv #	97
43) Methyl Methacrylate	8.14	69	70225	0.886	ppbv	94
44) 2,2,4-Trimethylpentane	7.99	57	320604	0.940	ppbv	98

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
Data File : VL033319.D
Acq On : 15 Mar 2019 4:13
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Mar 15 04:46:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 04:20:36 2019
QLast Update : Fri Mar 15 04:20:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) t-1,3-Dichloropropene	9.42	75	79257	0.852 ppbv #	86
46) cis-1,3-Dichloropropene	8.84	75	54161	0.484 ppbv #	80
47) 1,1,2-Trichloroethane	9.61	97	76885	0.941 ppbv	98
48) Dibromochloromethane	10.45	129	121587	0.882 ppbv	99
49) Bromoform	13.20	173	101018	0.864 ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	196588	0.965 ppbv	100
51) 2-Hexanone	10.29	43	152872	0.975 ppbv #	97
52) Tetrachloroethene	11.37	164	32966	0.402 ppbv	87
53) Toluene	9.95	91	208971	0.919 ppbv	99
54) 1,2-Dibromoethane	10.76	107	116509	0.873 ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	93274	1.016 ppbv #	1
57) Chlorobenzene	12.30	112	168422	1.024 ppbv	97
58) Ethyl Benzene	12.87	91	293081	1.001 ppbv	99
59) m/p-Xylene	13.15	91	220311	0.895 ppbv #	32
60) o-Xylene	13.85	91	252270	1.059 ppbv	98
61) Styrene	13.68	104	94307	0.566 ppbv #	27
62) Isopropylbenzene	14.83	105	341724	1.022 ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	174521	1.018 ppbv	99
64) n-propylbenzene	15.72	120	85769	1.031 ppbv	90
65) tert-Butylbenzene	16.91	119	318811	1.125 ppbv	99
66) Benzyl Chloride	17.16	91	96020	0.835 ppbv	99
67) sec-Butylbenzene	17.46	105	449995	1.103 ppbv	98
69) p-Isopropyltoluene	17.82	119	366088	1.122 ppbv	100
70) n-Butylbenzene	18.71	91	163699	0.479 ppbv #	14
71) 2-Chlorotoluene	15.62	91	269206	1.074 ppbv	99
72) 4-Ethyltoluene	16.00	105	274318	1.071 ppbv	98
73) 1,3,5-Trimethylbenzene	16.16	105	276720	1.149 ppbv	99
74) 1,2,4-Trimethylbenzene	16.93	105	299416	1.218 ppbv	98
75) 1,3-Dichlorobenzene	17.16	146	172047	1.118 ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	168316	1.119 ppbv	98
77) 1,2-Dichlorobenzene	17.99	146	165124	1.098 ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	111012	1.075 ppbv	99
79) Naphthalene	22.42	128	298737	1.494 ppbv	98
80) Naphthalene,2-methyl-	25.12	142	140744	2.434 ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	12458	0.110 ppbv #	1

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
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Misc : 400ml/MSVOA_L
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Instrument : MSVOA_L
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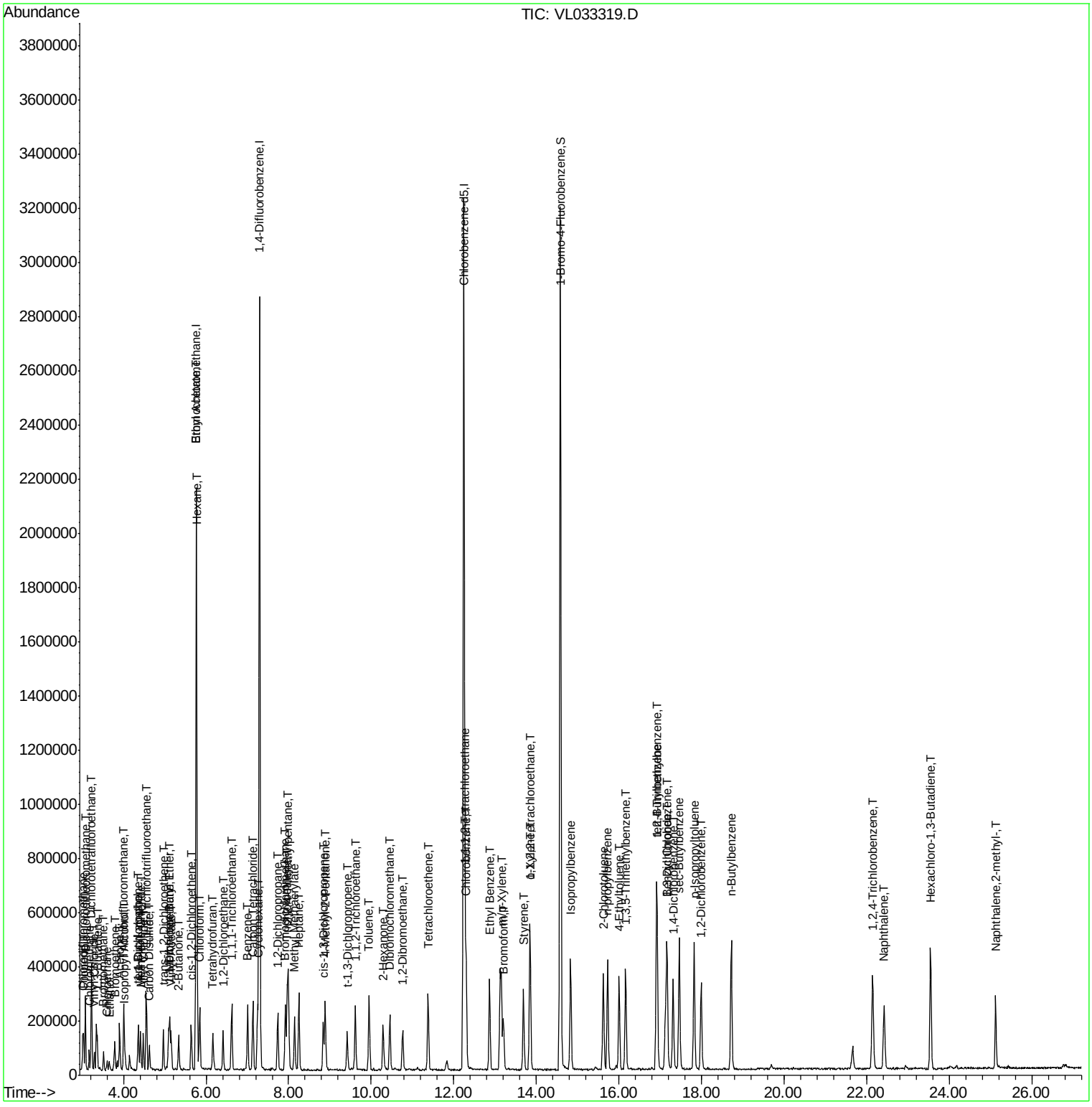
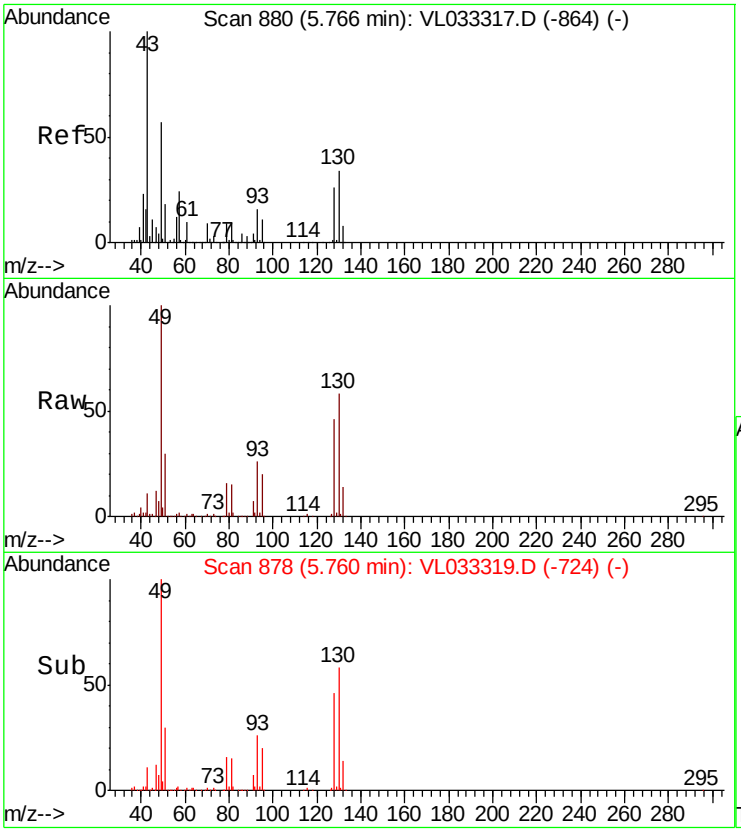
Quant Time: Mar 15 04:46:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 04:20:36 2019
QLast Update : Fri Mar 15 04:20:36 2019
Response via : Initial Calibration



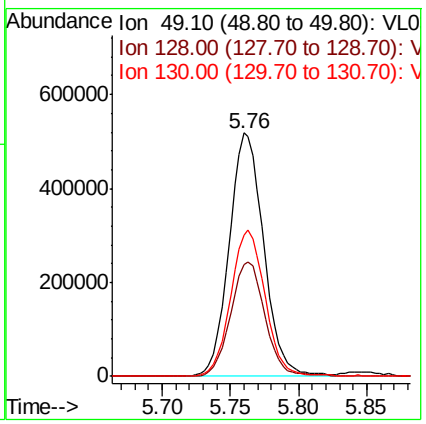


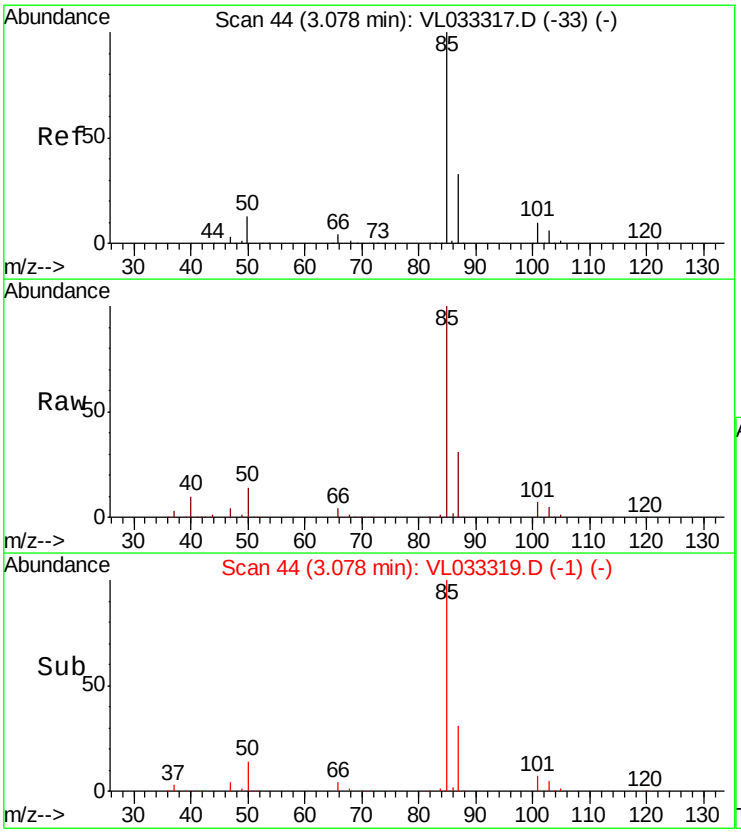
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 910464

Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.2	69.6
130	60.6	30.1	90.5

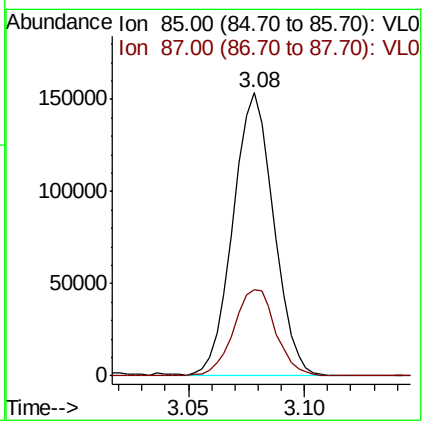


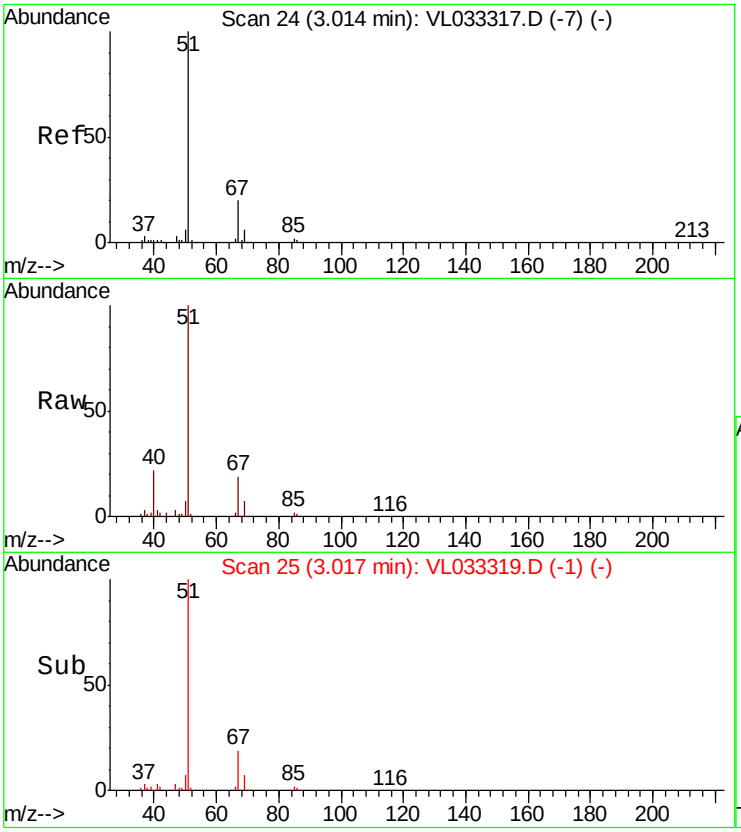


#2
Dichlorodifluoromethane
Concen: 1.159 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 85 Resp: 186126

Ion	Ratio	Lower	Upper
85	100		
87	30.8	26.4	39.6



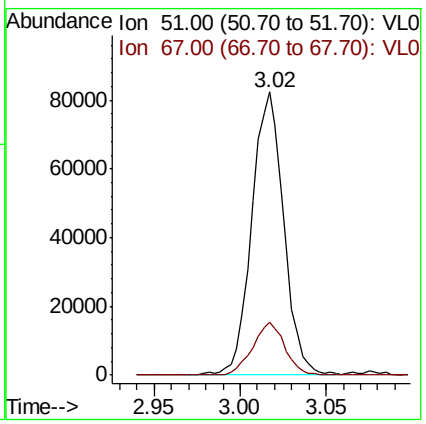


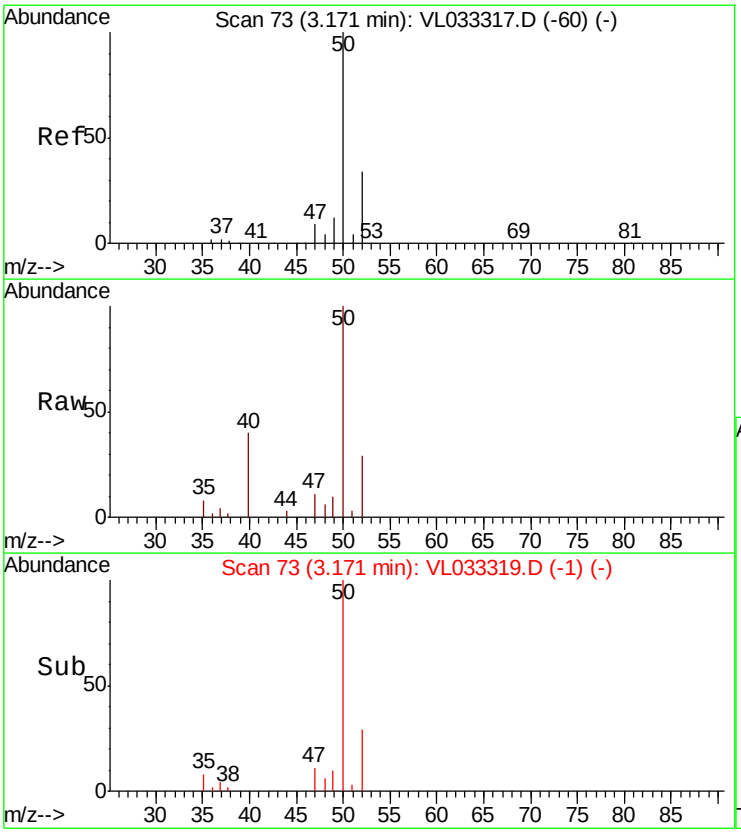
#3
Chlorodifluoromethane
Concen: 0.914 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 51 Resp: 105912

Ion	Ratio	Lower	Upper
51	100		
67	18.6	15.1	22.7

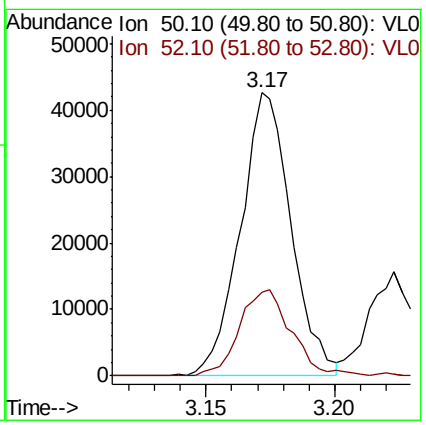


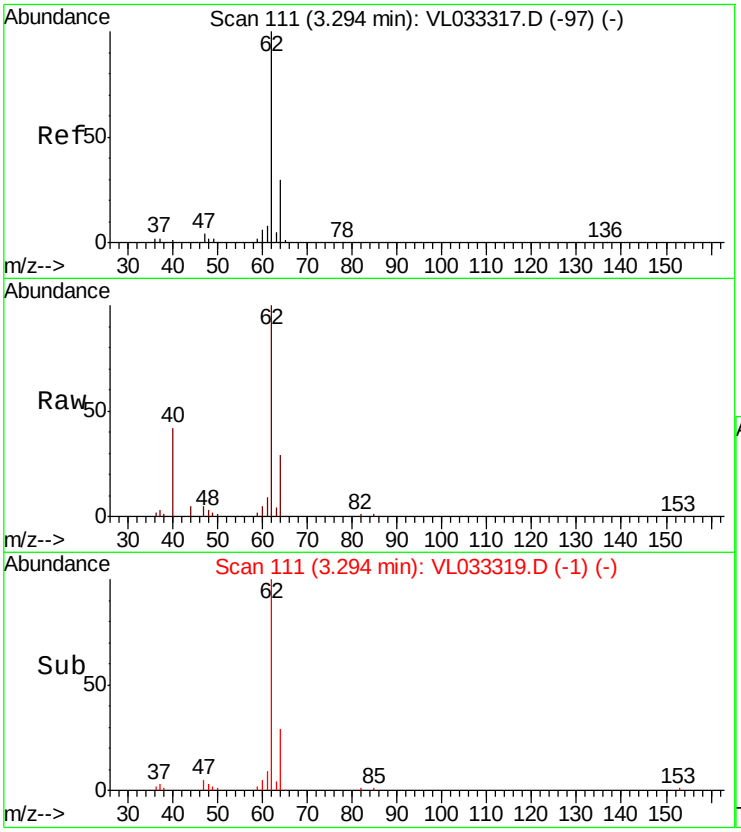


#4
Chloromethane
Concen: 0.938 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 50 Resp: 58636

Ion	Ratio	Lower	Upper
50	100		
52	29.4	26.8	40.2



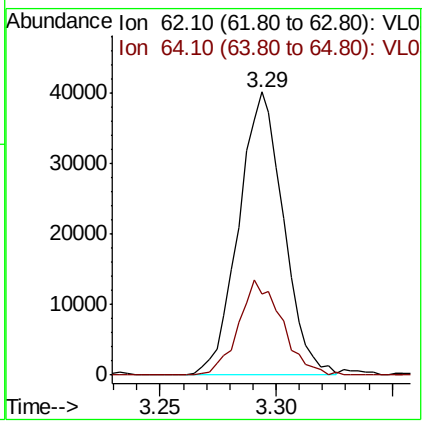


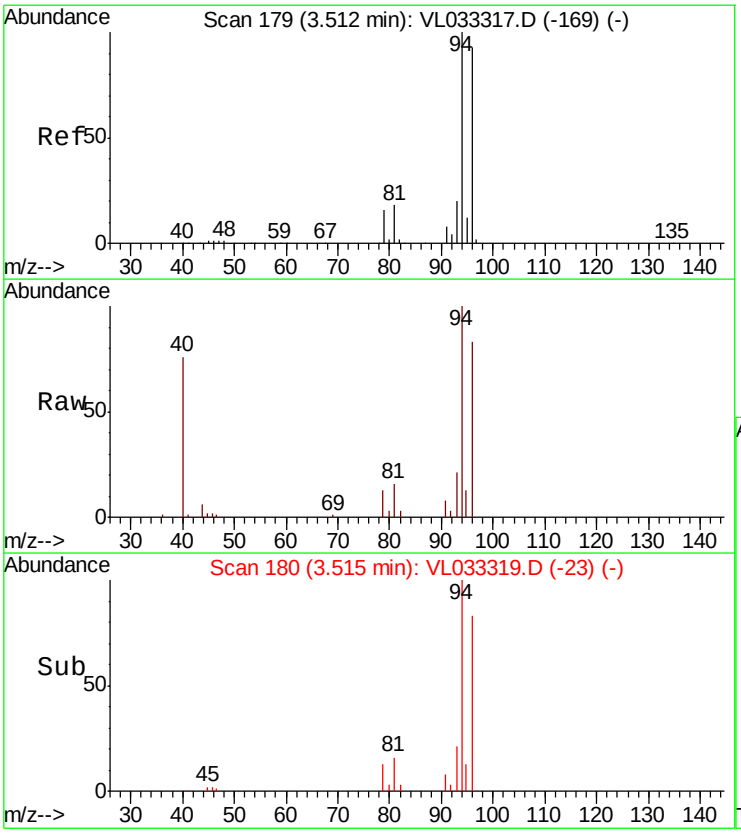
#5
Vinyl Chloride
Concen: 0.853 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 54036

Ion	Ratio	Lower	Upper
62	100		
64	28.5	24.3	36.5

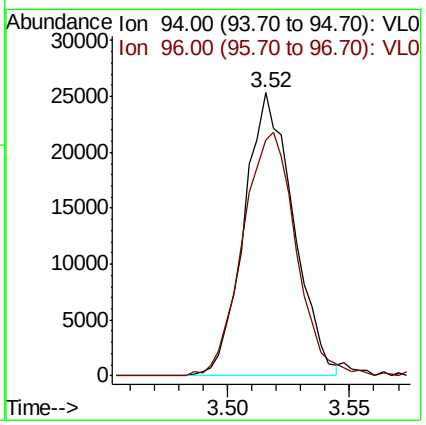


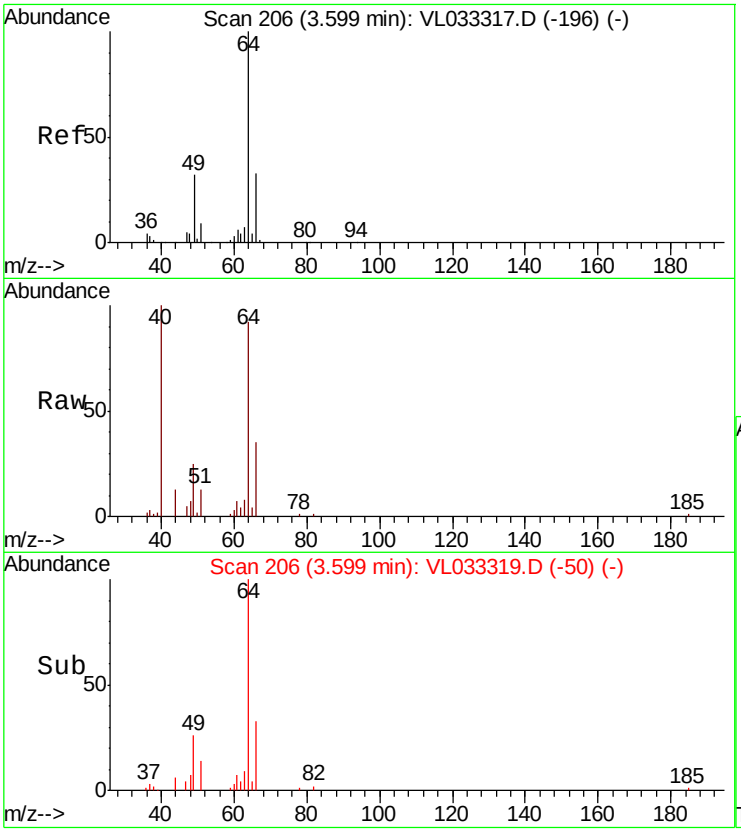


#6
Bromomethane
Concen: 0.932 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 94 Resp: 35341

Ion	Ratio	Lower	Upper
94	100		
96	83.4	74.8	112.2



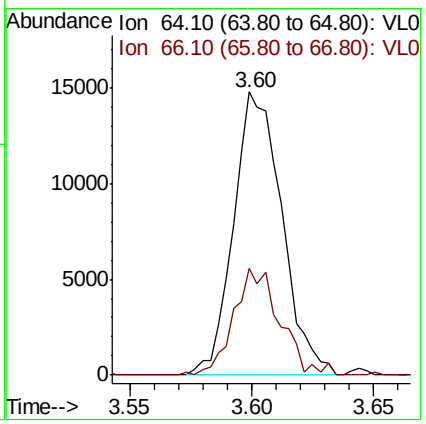


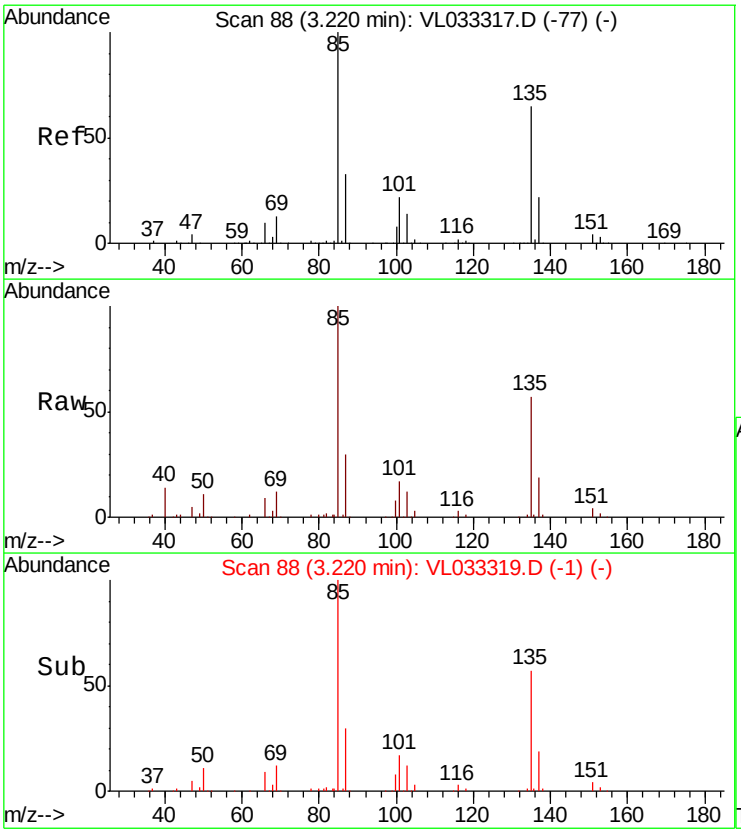
#7
Chloroethane
Concen: 0.904 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 20307

Ion	Ratio	Lower	Upper
64	100		
66	37.9	26.6	39.8

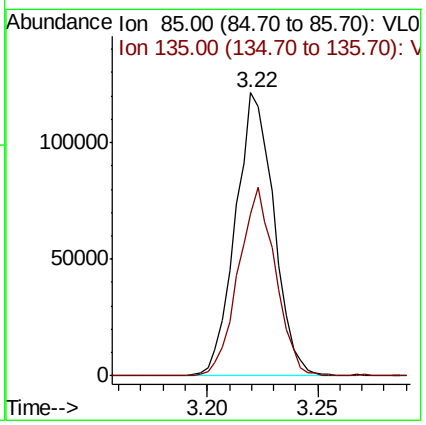


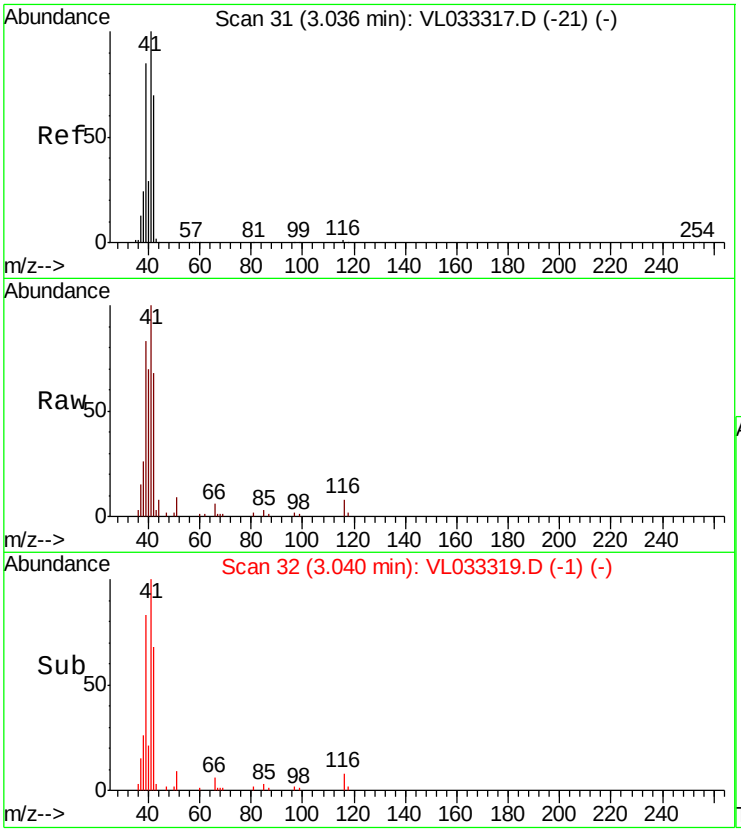


#8
Dichlorotetrafluoroethane
Concen: 0.976 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 85 Resp: 147098

Ion	Ratio	Lower	Upper
85	100		
135	64.5	52.6	79.0



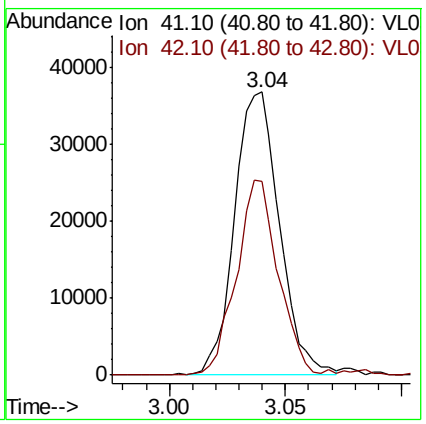


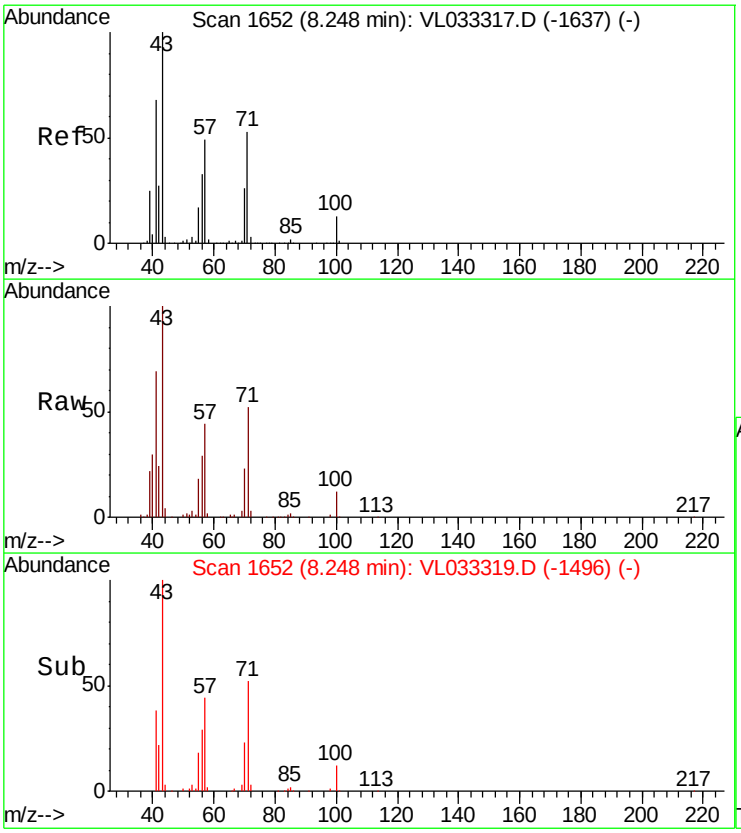
#9
Propene
Concen: 0.956 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 49570

Ion	Ratio	Lower	Upper
41	100		
42	65.7	55.5	83.3

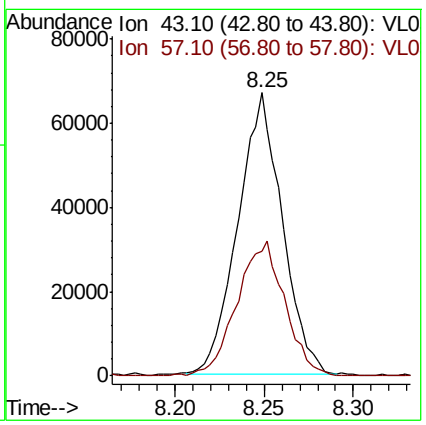


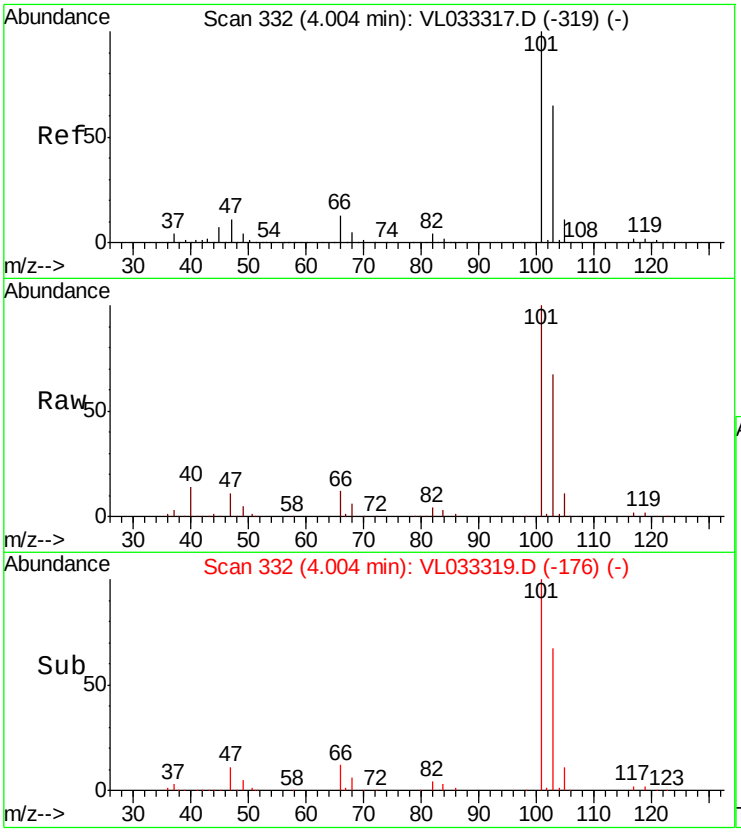


#10
Heptane
Concen: 0.902 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 43 Resp: 115985

Ion	Ratio	Lower	Upper
43	100		
57	51.8	40.6	61.0



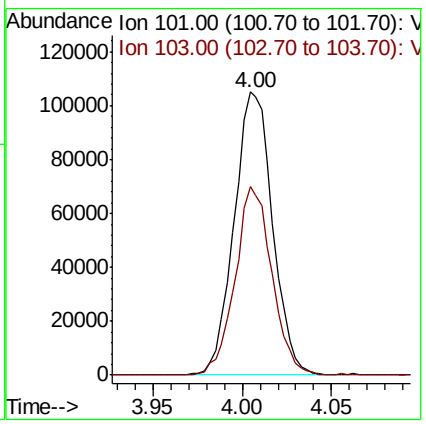


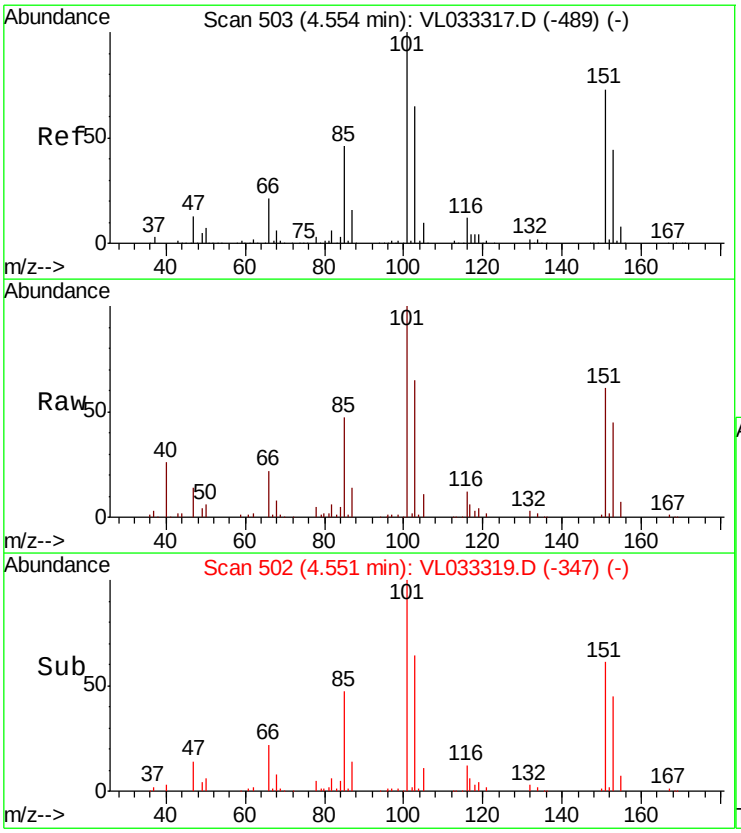
#11
Trichlorofluoromethane
Concen: 0.949 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 158185

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.8	77.6

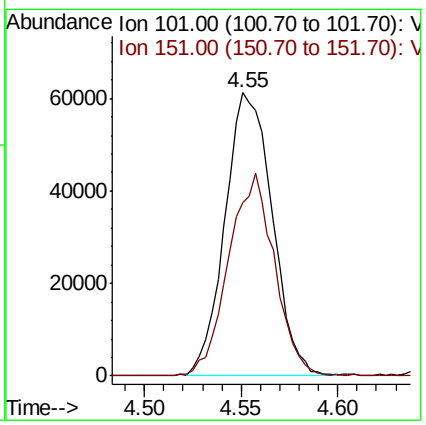


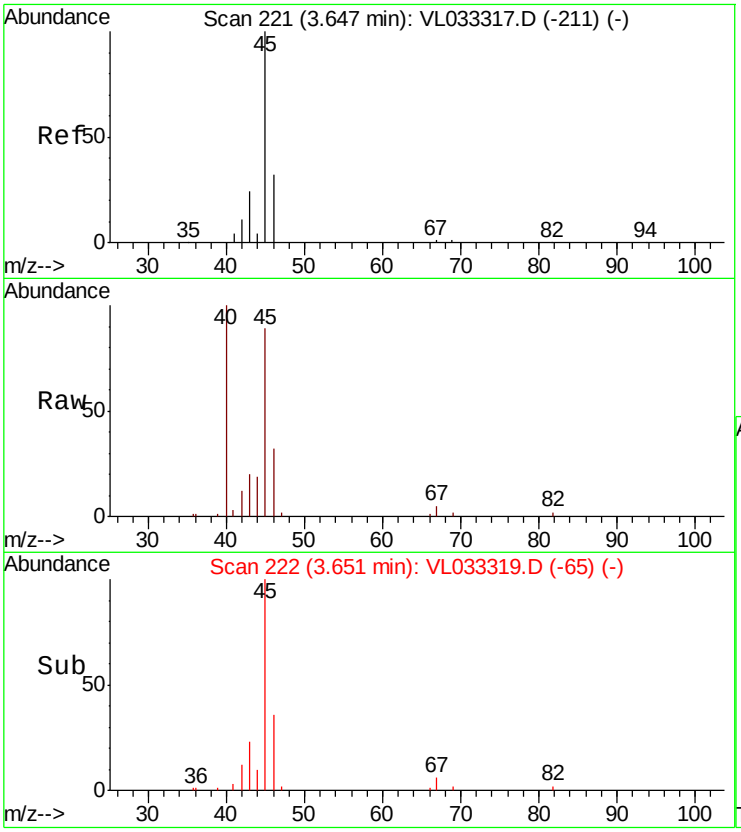


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.926 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:101 Resp: 104122

Ion	Ratio	Lower	Upper
101	100		
151	69.3	57.2	85.8



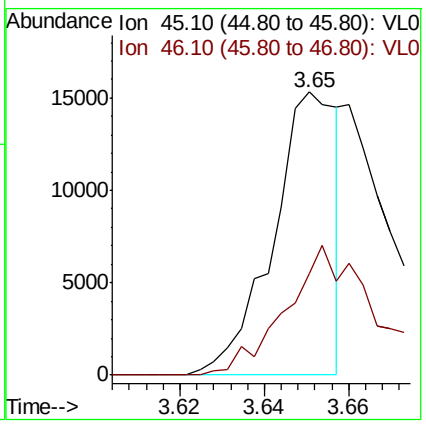


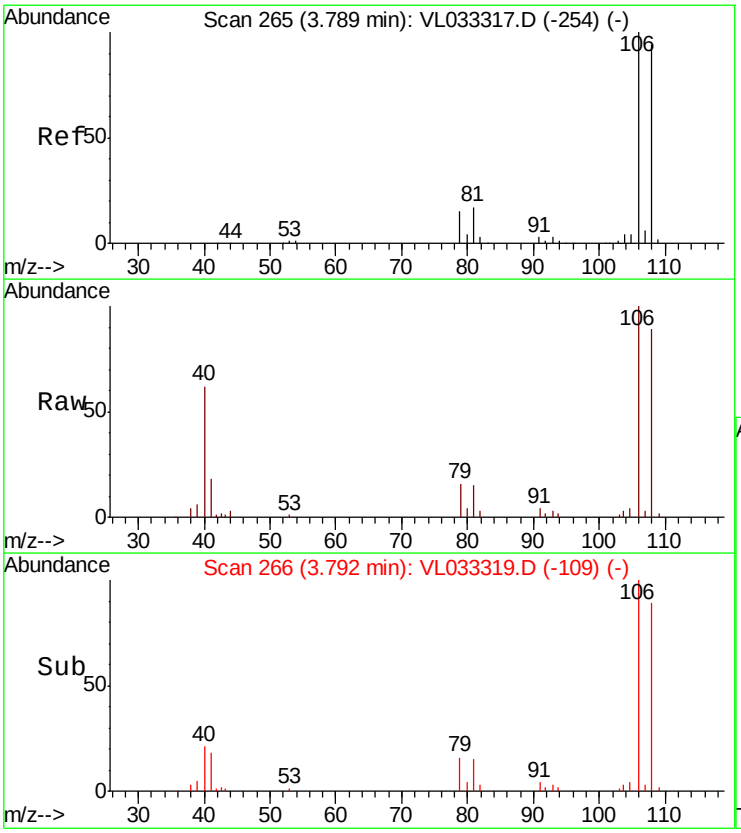
#13
Ethanol
Concen: 0.994 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 16151

Ion	Ratio	Lower	Upper
45	100		
46	70.1	14.7	58.9#

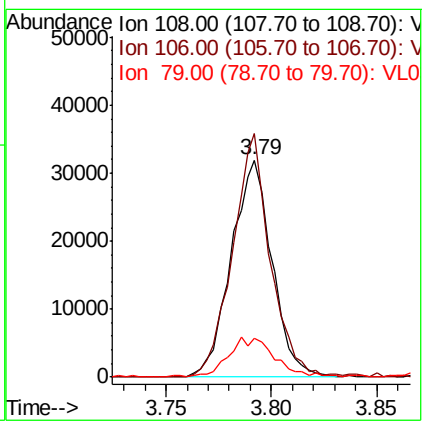


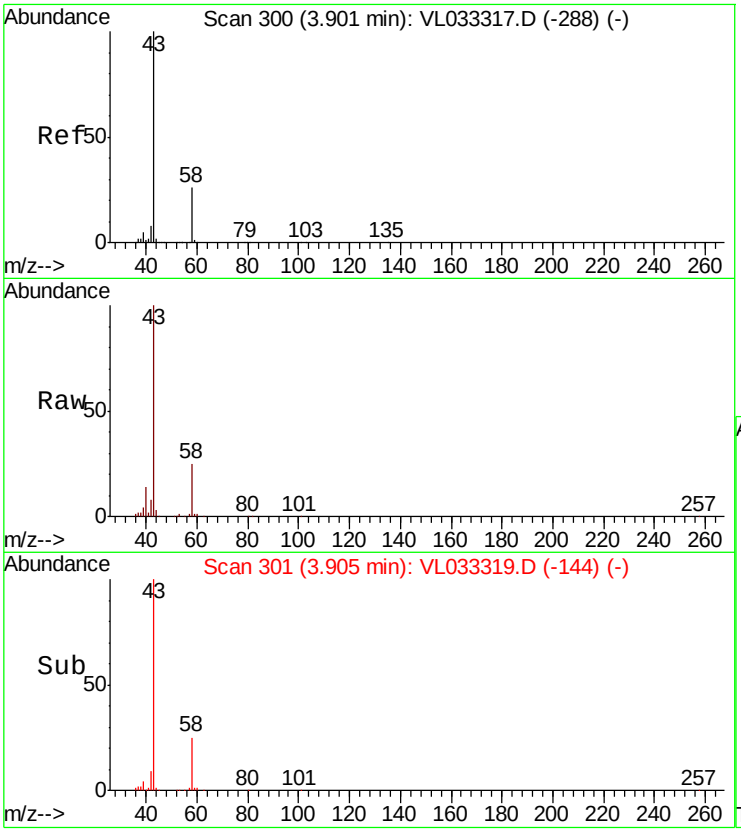


#14
Bromoethene
Concen: 0.915 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:108 Resp: 42871

Ion	Ratio	Lower	Upper
108	100		
106	104.2	85.1	127.7
79	20.8	14.6	22.0



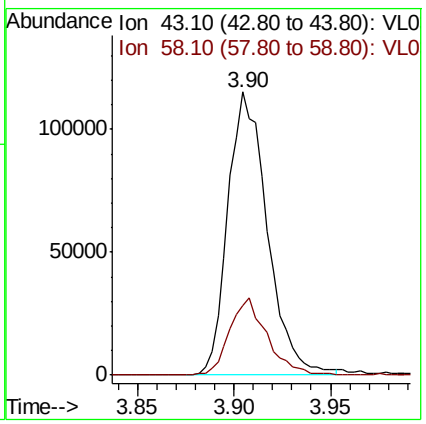


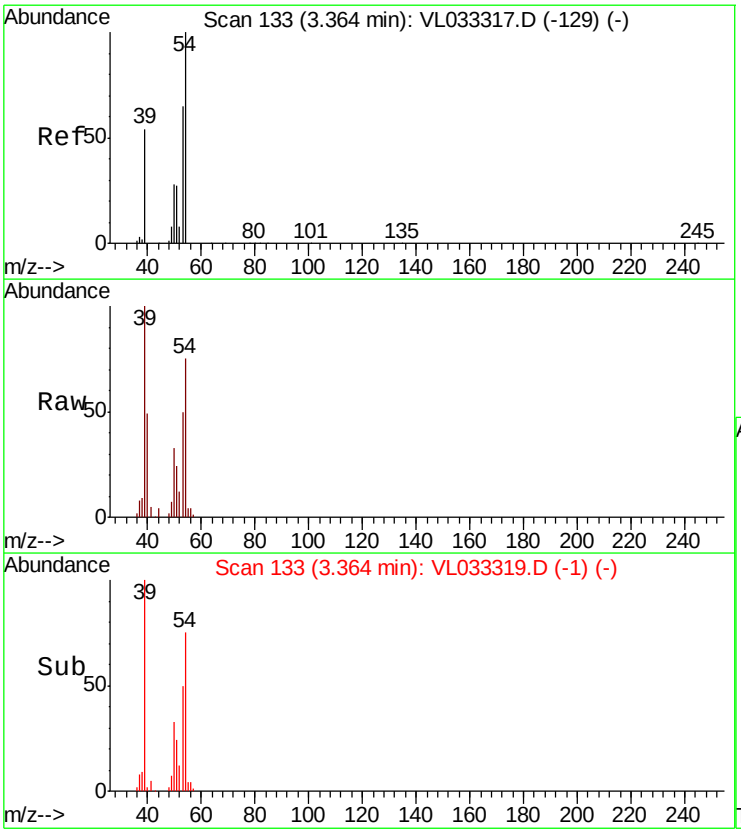
#15
Acetone
Concen: 1.314 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 163065

Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.3	30.5

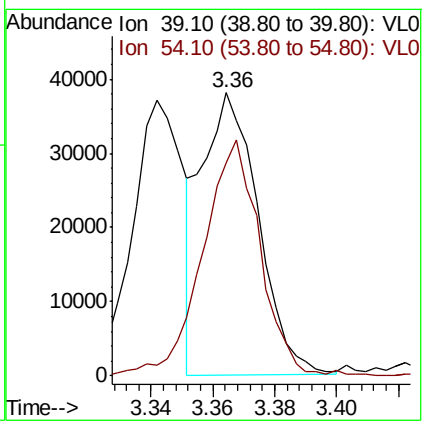


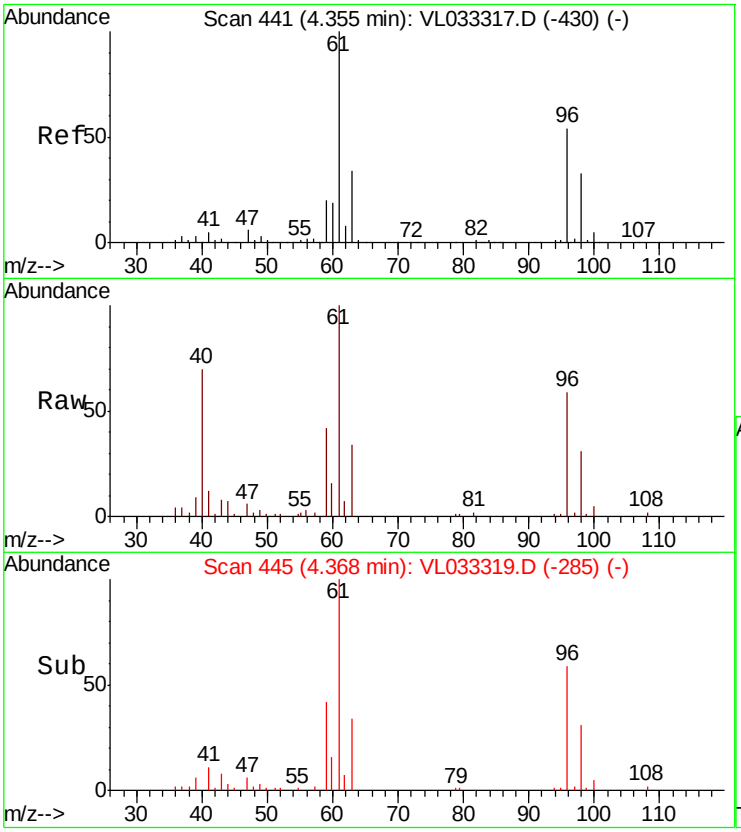


#16
1,3-Butadiene
Concen: 0.967 ppbv
RT: 3.36 min Scan# 133
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 39 Resp: 48127

Ion	Ratio	Lower	Upper
39	100		
54	85.8	74.4	111.6



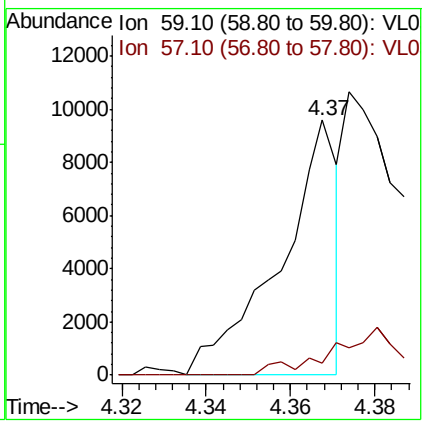


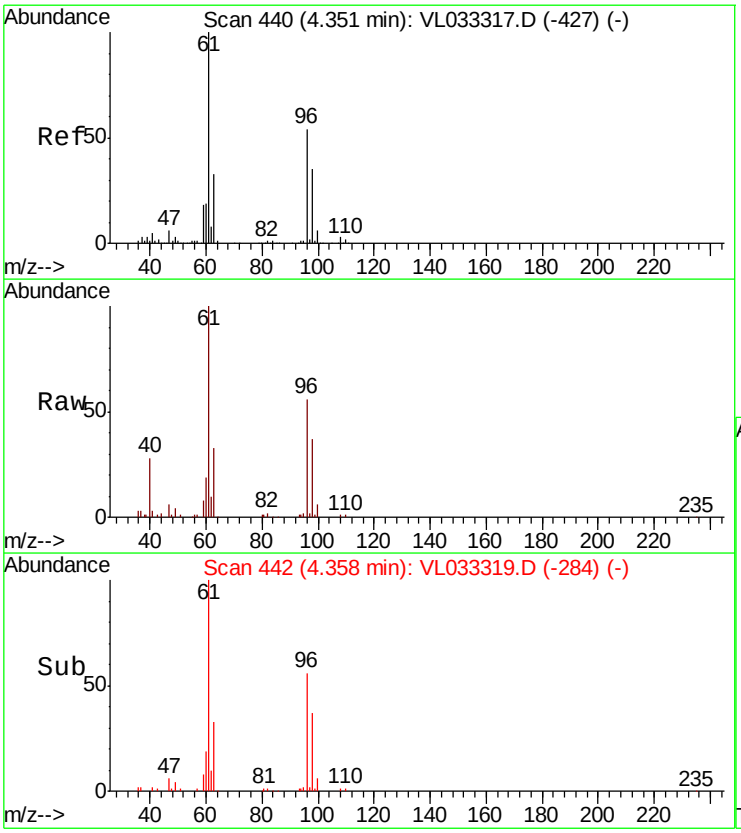
#17
tert-Butyl alcohol
Concen: 0.419 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 9049

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

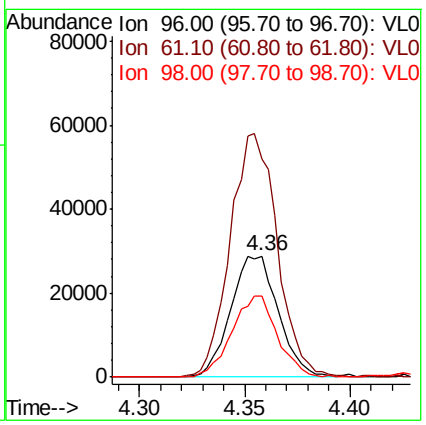


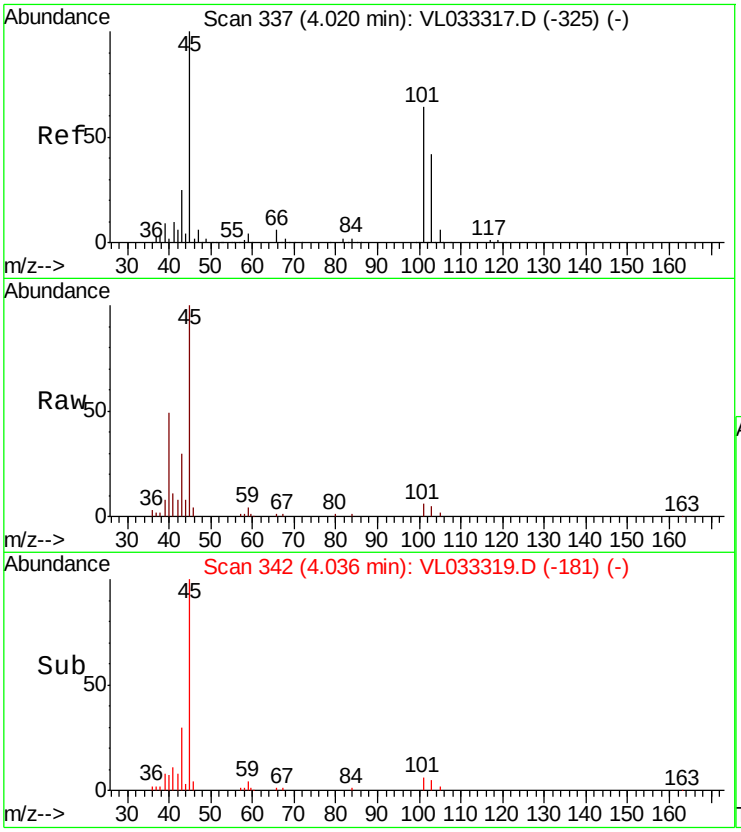


#18
1,1-Dichloroethene
Concen: 0.914 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 96 Resp: 45048

Ion	Ratio	Lower	Upper
96	100		
61	178.2	148.9	223.3
98	66.7	51.4	77.0



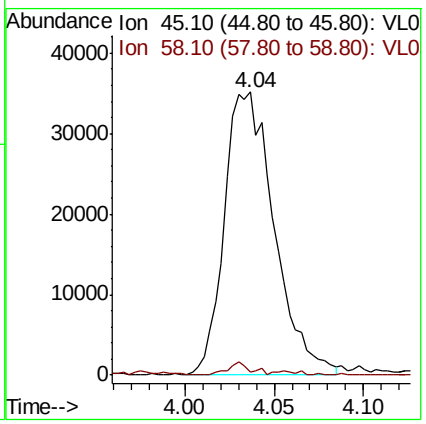


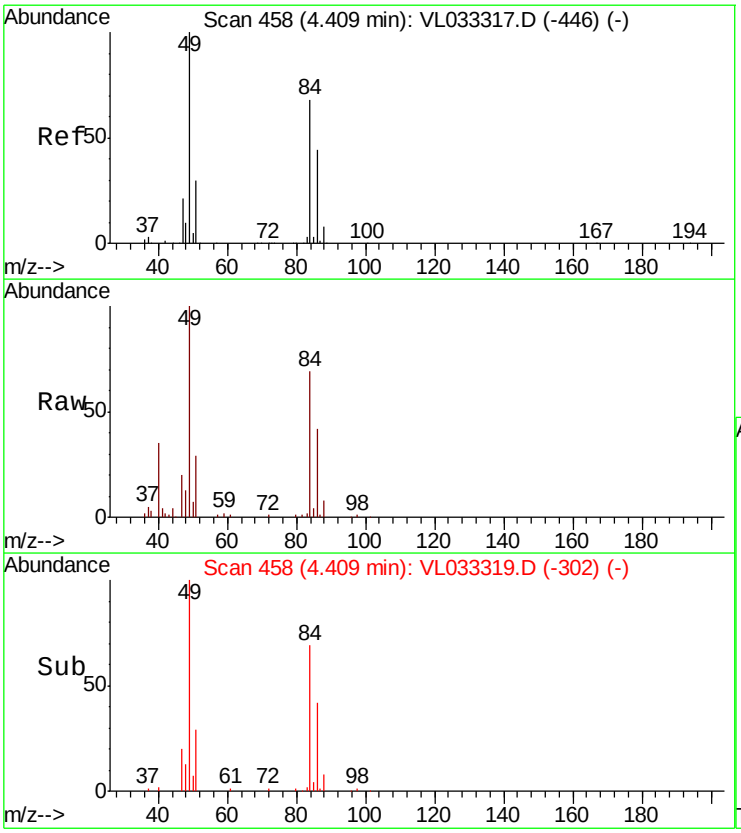
#19
Isopropyl Alcohol
Concen: 0.902 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.02 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 68761

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.6	2.4

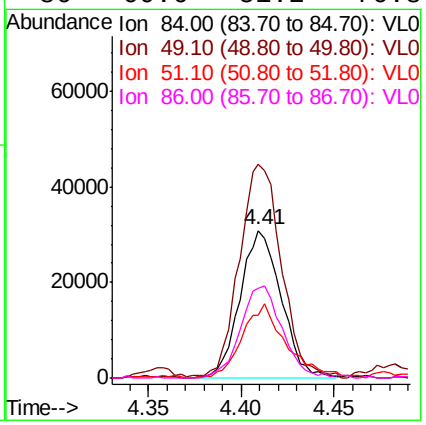


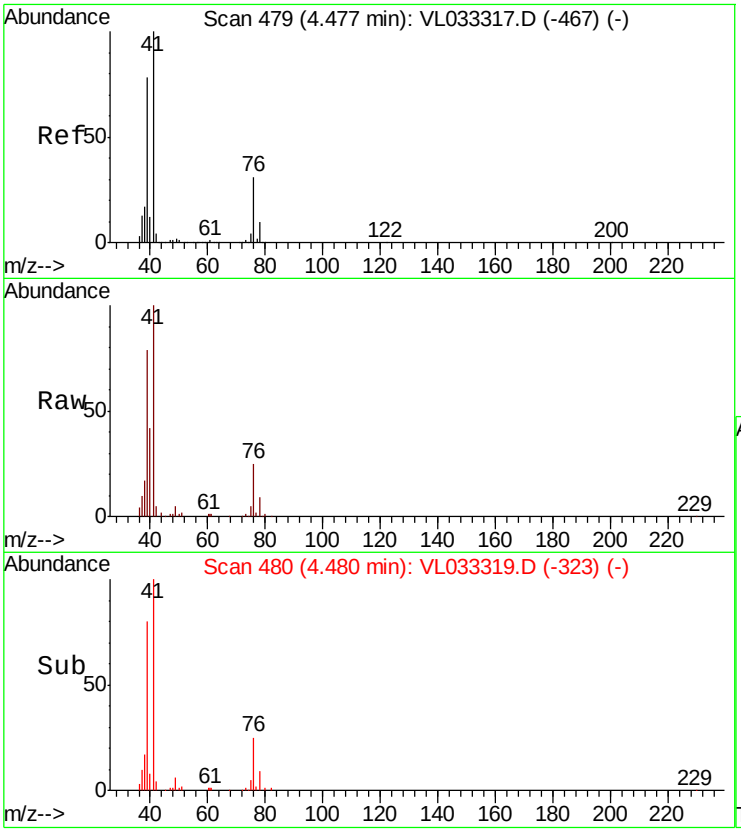


#20
Methylene Chloride
Concen: 0.950 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 84 Resp: 47361

Ion	Ratio	Lower	Upper
84	100		
49	144.3	117.0	175.6
51	42.8	35.3	52.9
86	60.6	51.2	76.8



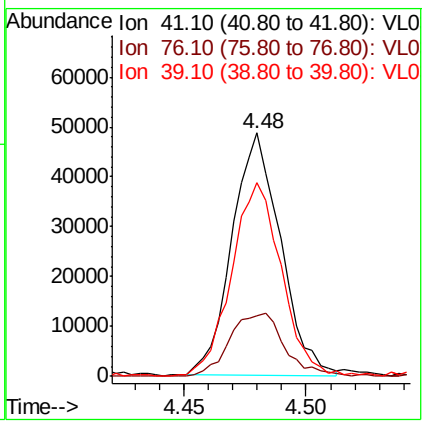


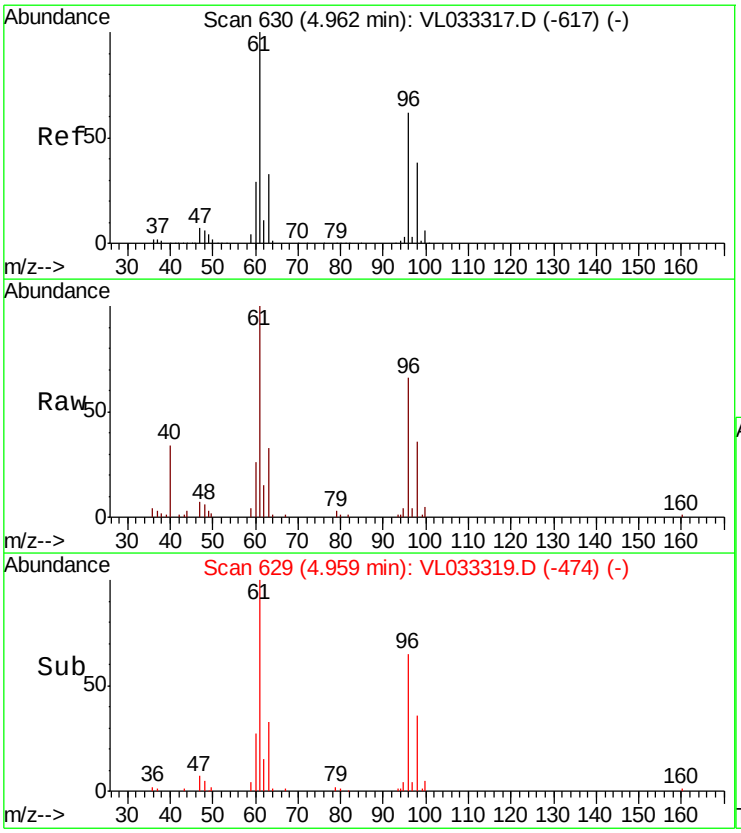
#21
Allyl Chloride
Concen: 0.903 ppbv
RT: 4.48 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 66941

Ion	Ratio	Lower	Upper
41	100		
76	29.6	24.1	36.1
39	83.1	65.0	97.4

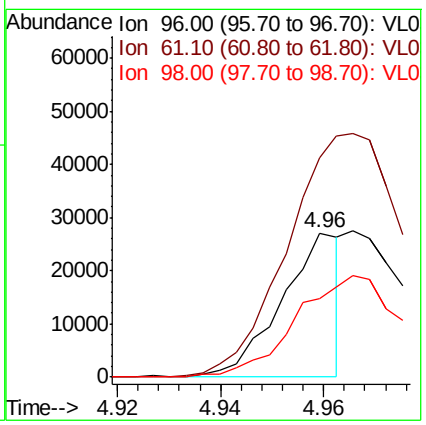


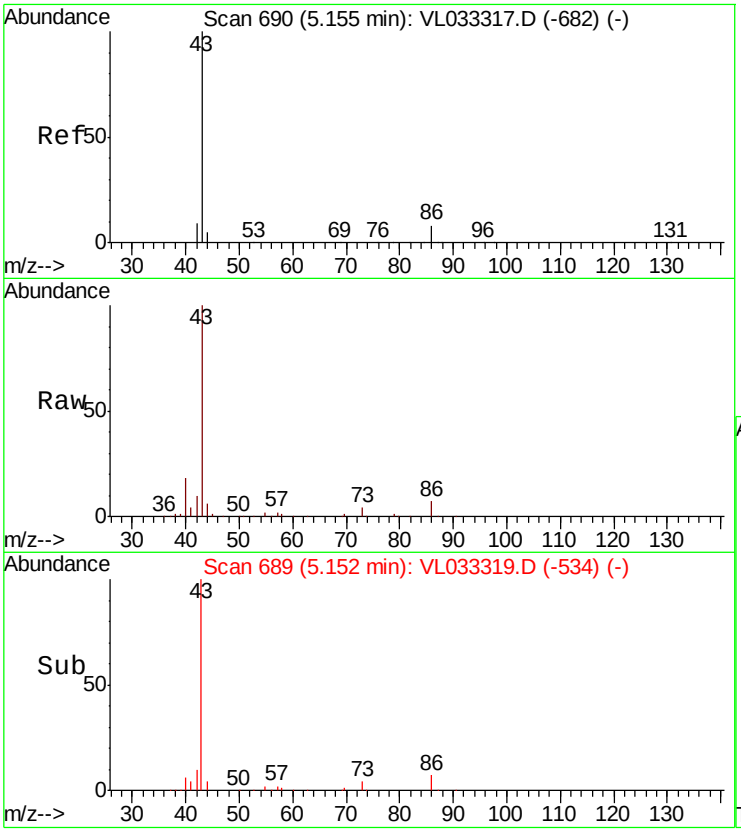


#22
trans-1,2-Dichloroethene
Concen: 0.434 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 96 Resp: 21502

Ion	Ratio	Lower	Upper
96	100		
61	150.4	129.8	194.8
98	53.9	49.2	73.8



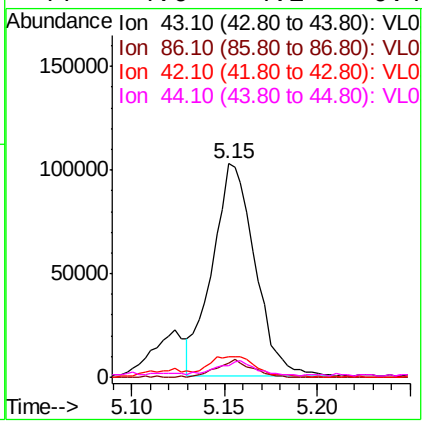


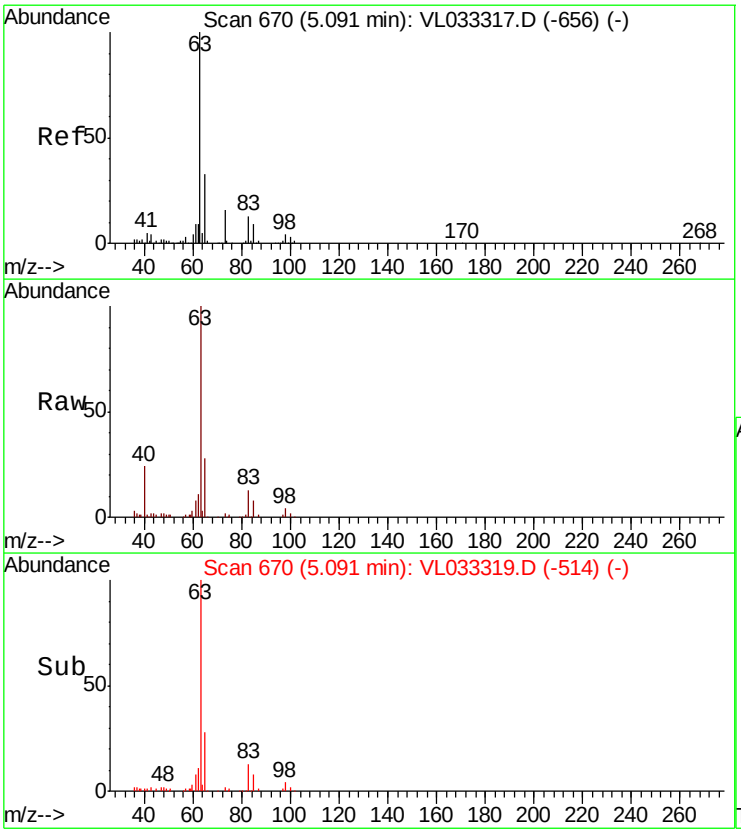
#23
Vinyl Acetate
Concen: 0.930 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 163417

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.6	8.4
42	9.2	7.8	11.6
44	4.6	4.2	6.4

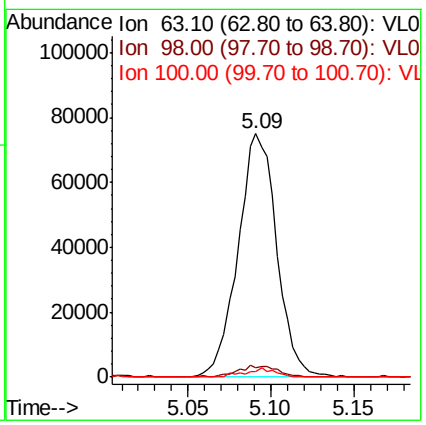


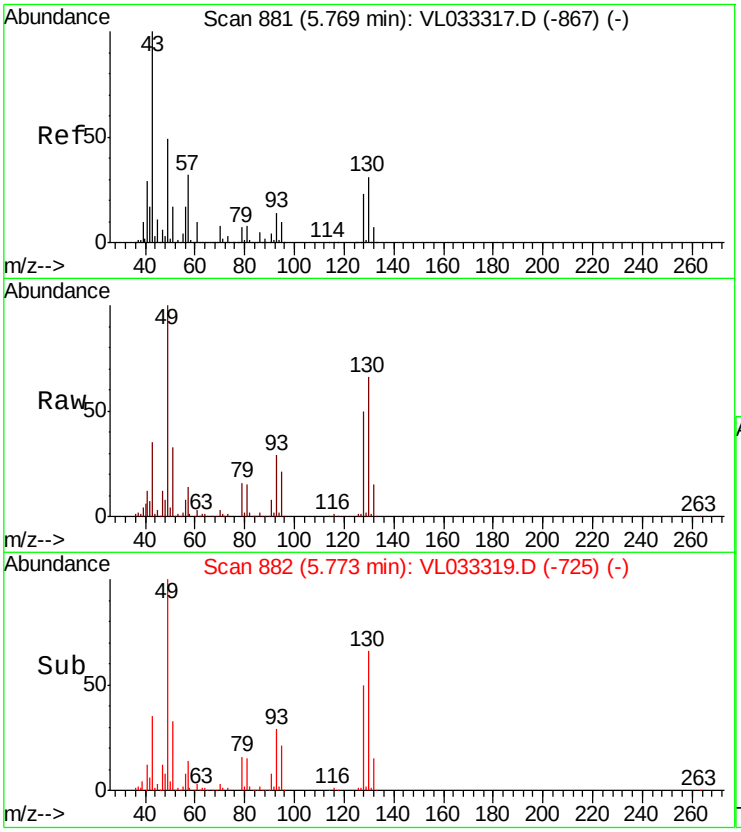


#24
1,1-Dichloroethane
Concen: 0.957 ppbv
RT: 5.09 min Scan# 670
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 63 Resp: 121505

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.2
100	2.4	1.3	3.9



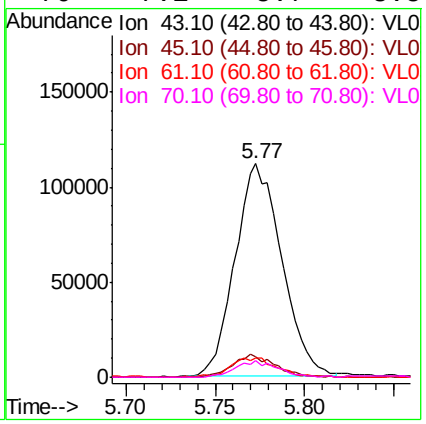


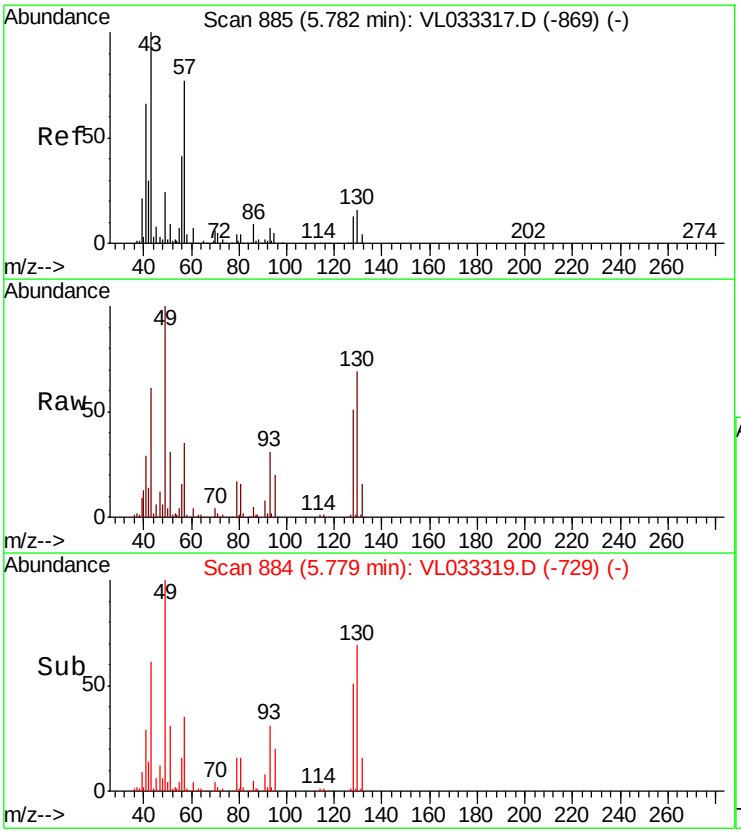
#25
Ethyl Acetate
Concen: 0.913 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 204242

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.8
61	9.3	7.1	10.7
70	7.1	5.7	8.5

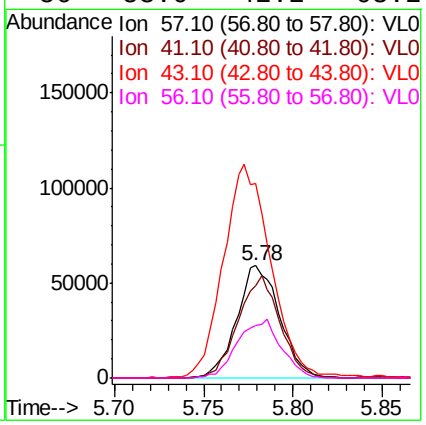


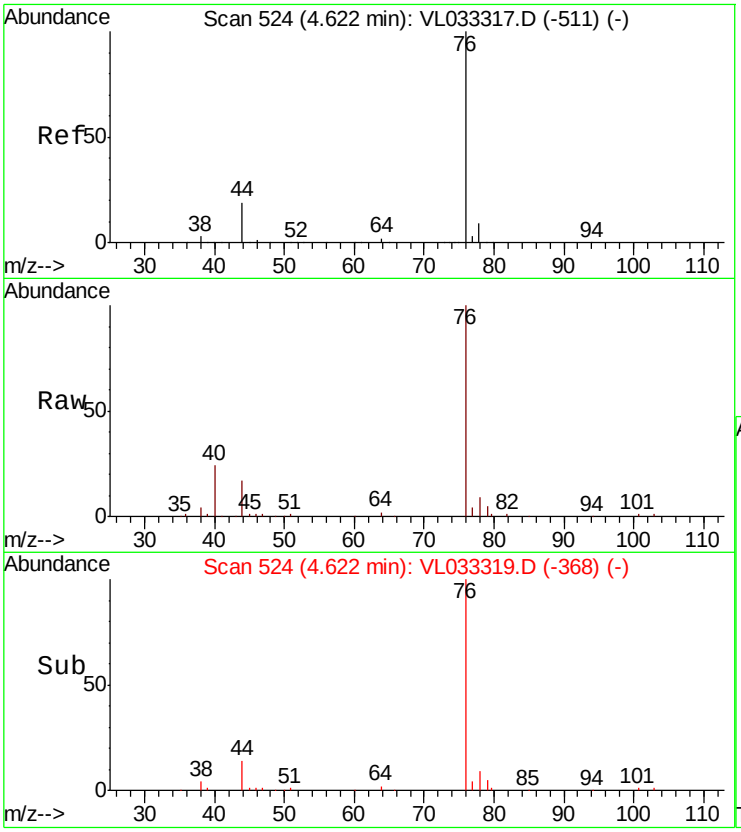


#26
Hexane
Concen: 0.952 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 57 Resp: 99601

Ion	Ratio	Lower	Upper
57	100		
41	88.4	71.8	107.6
43	211.2	182.1	273.1
56	53.0	42.2	63.2



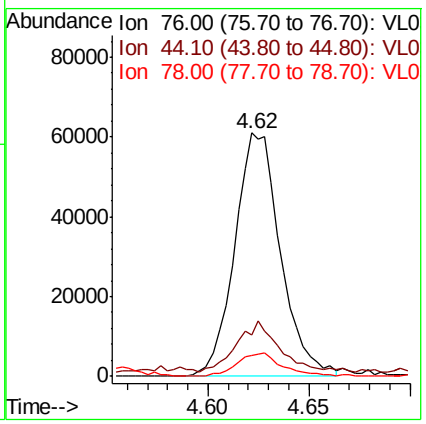


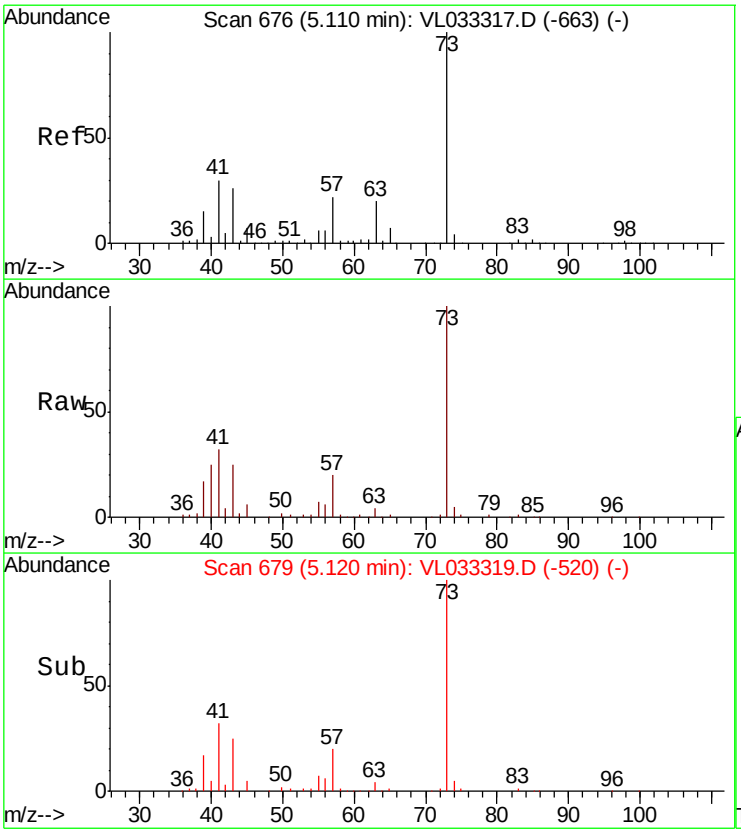
#27
Carbon Disulfide
Concen: 0.874 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 97141

Ion	Ratio	Lower	Upper
76	100		
44	21.8	15.0	22.6
78	9.9	7.4	11.2

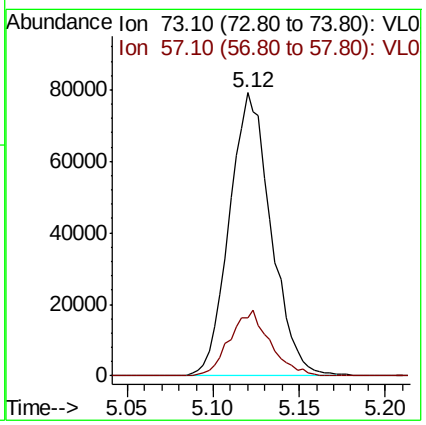


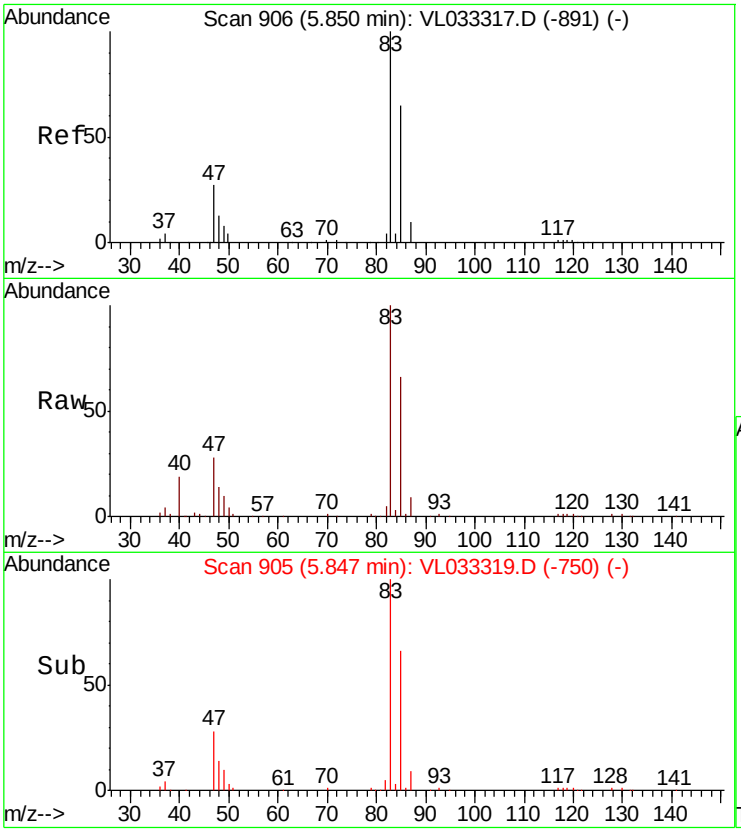


#28
Methyl tert-Butyl Ether
Concen: 0.909 ppbv
RT: 5.12 min Scan# 679
Delta R.T. 0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 73 Resp: 133475

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.8	26.6



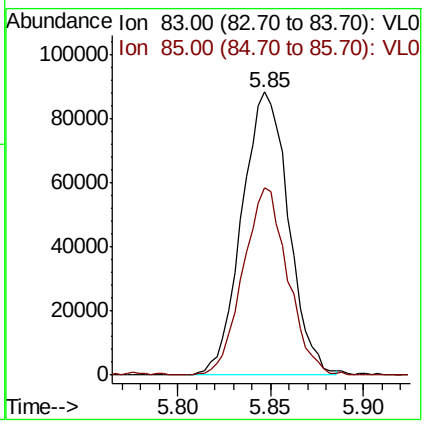


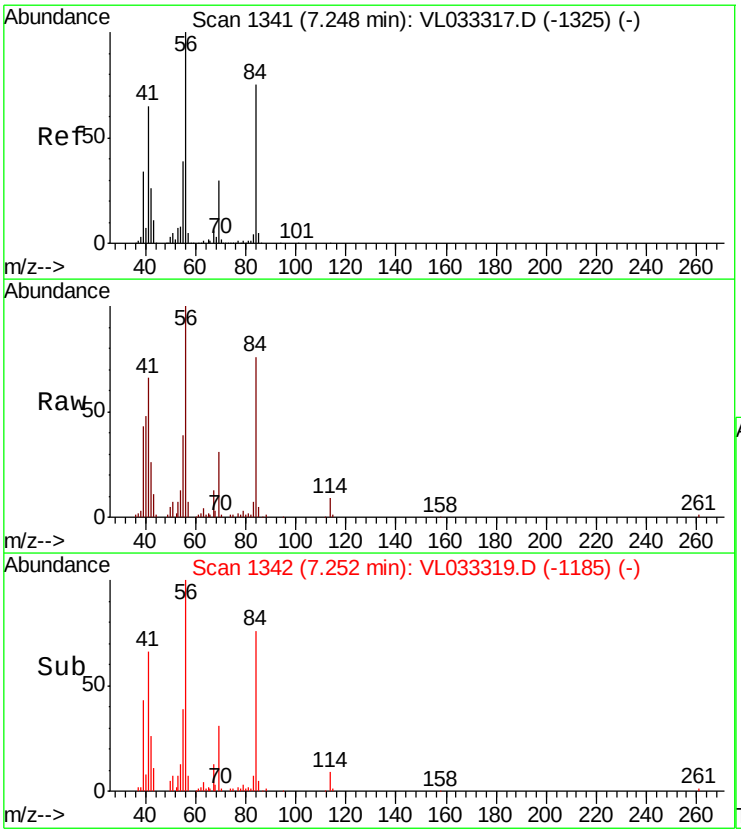
#29
Chloroform
Concen: 0.949 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 154994

Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.8

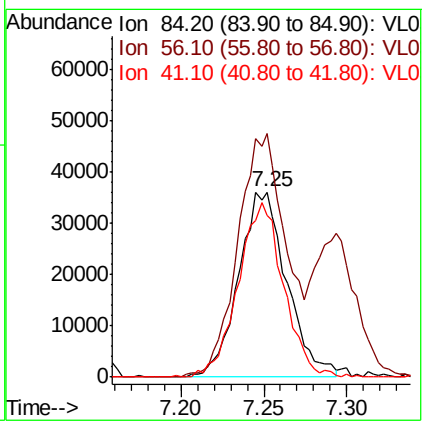


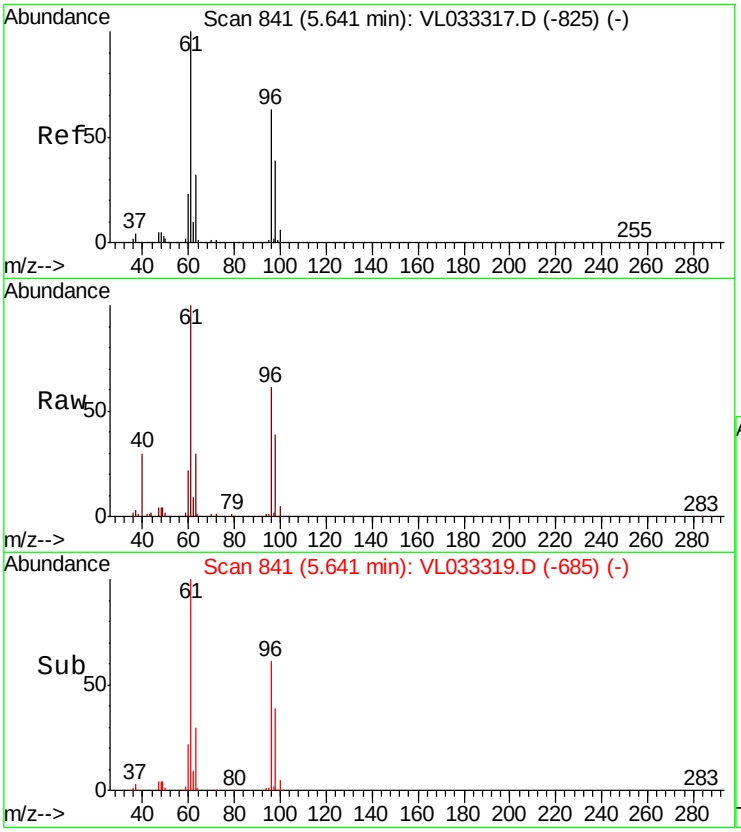


#30
Cyclohexane
Concen: 0.905 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 84 Resp: 72982

Ion	Ratio	Lower	Upper
84	100		
56	141.7	111.0	166.6
41	88.7	69.1	103.7



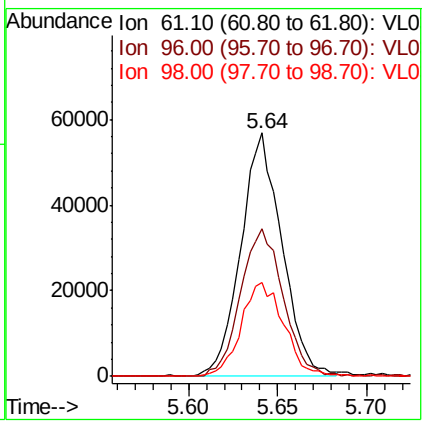


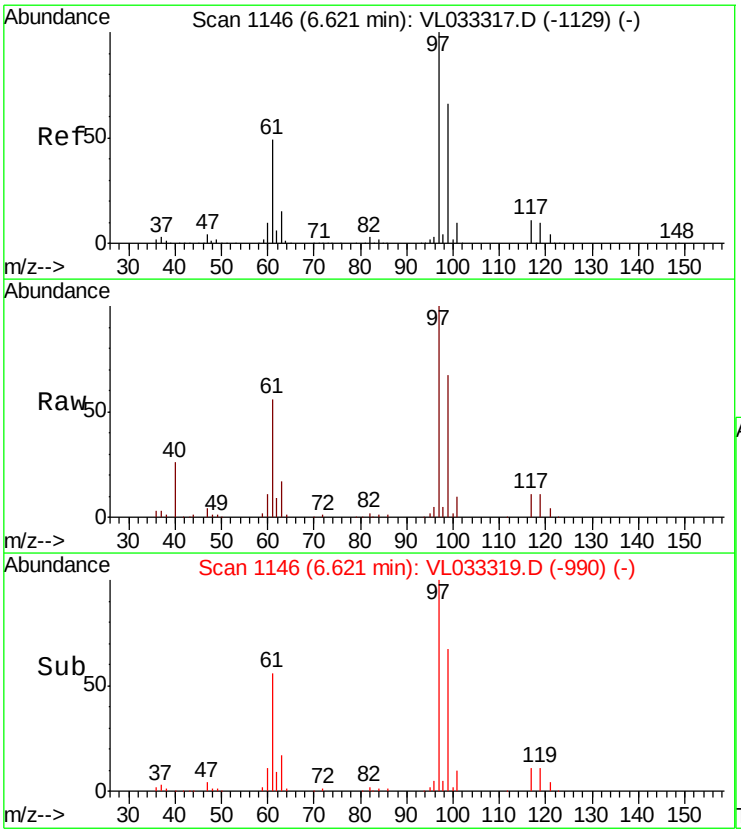
#31
cis-1,2-Dichloroethene
Concen: 0.920 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 91645

Ion	Ratio	Lower	Upper
61	100		
96	60.7	50.5	75.7
98	38.8	31.1	46.7

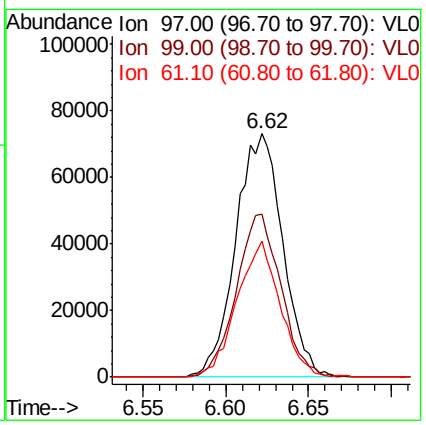


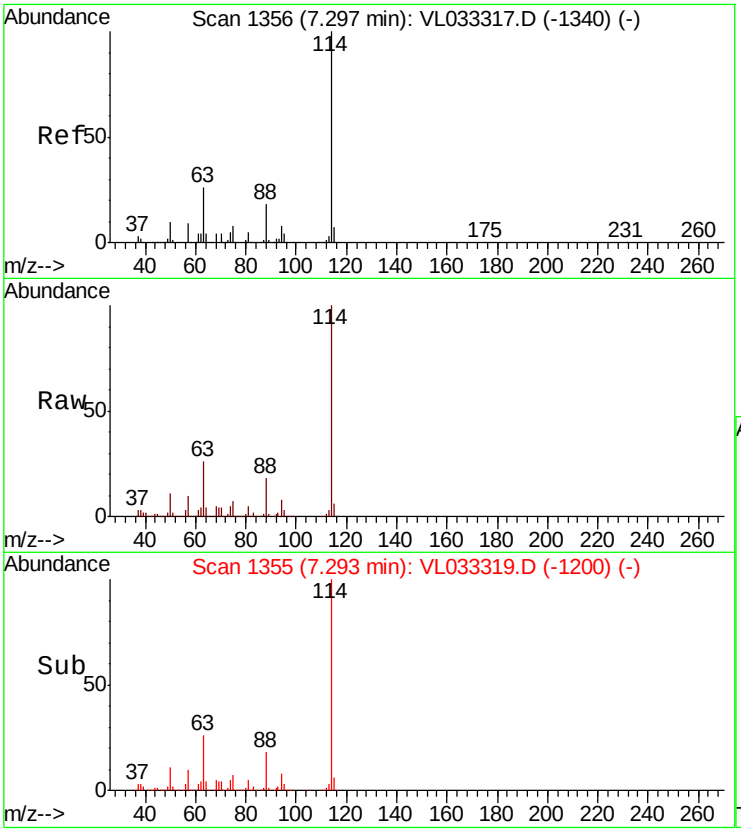


#32
1,1,1-Trichloroethane
Concen: 0.908 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 97 Resp: 144746

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.8
61	51.3	39.6	59.4



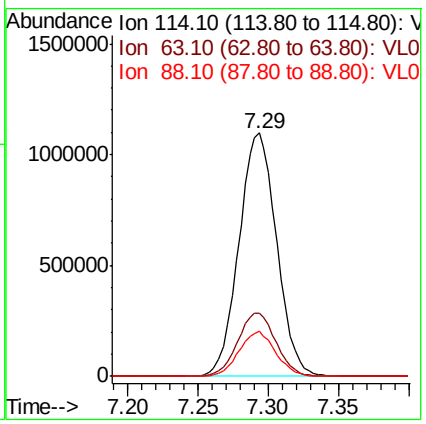


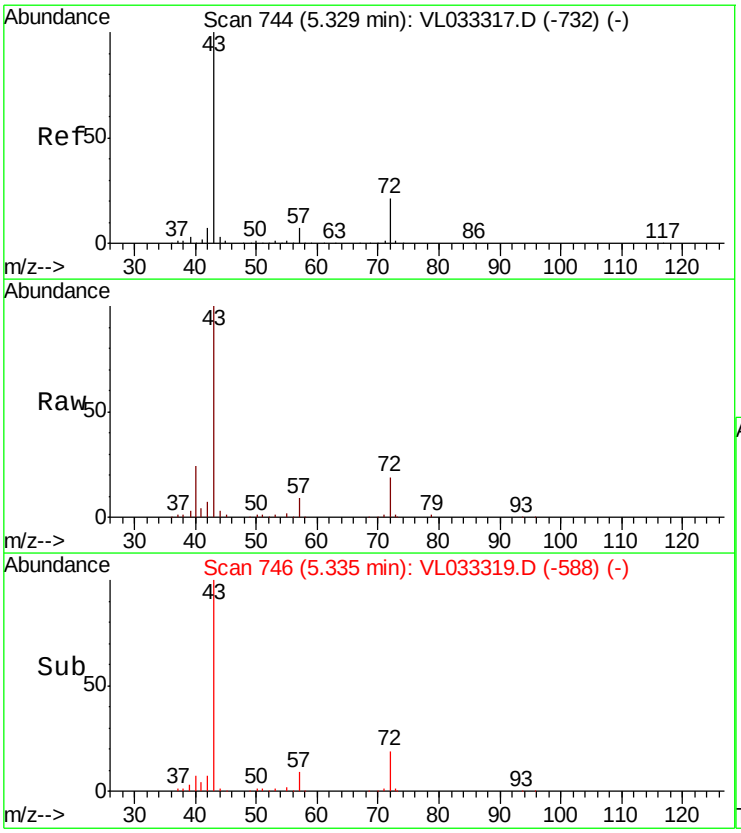
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2053536

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.5	32.3
88	18.0	14.6	22.0

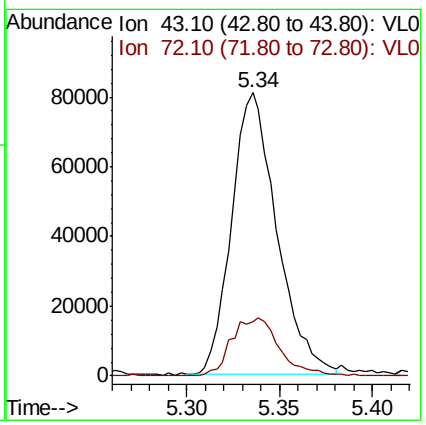


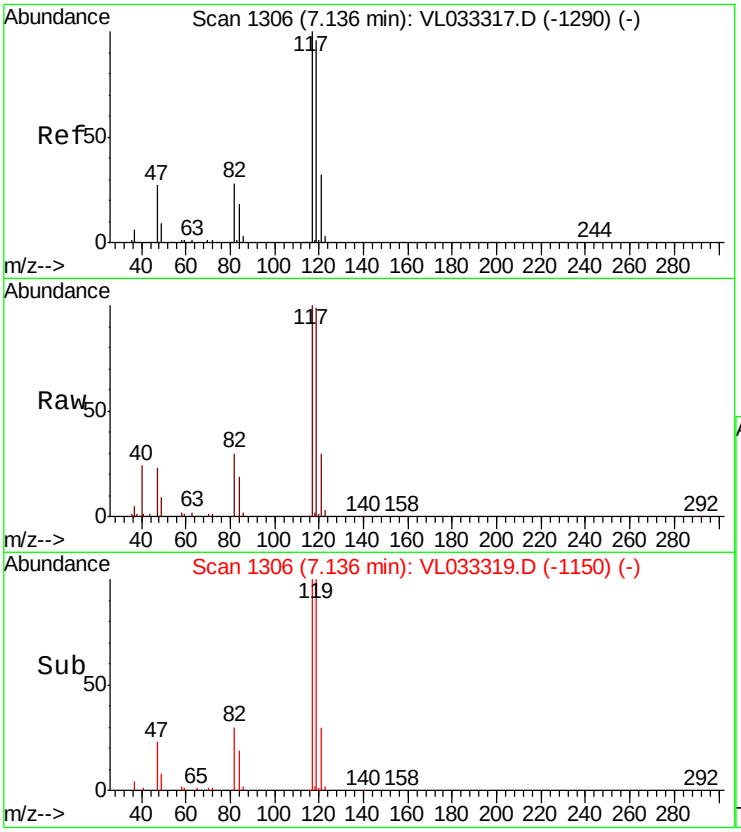


#34
2-Butanone
Concen: 0.990 ppbv
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 43 Resp: 136996

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.1	25.7



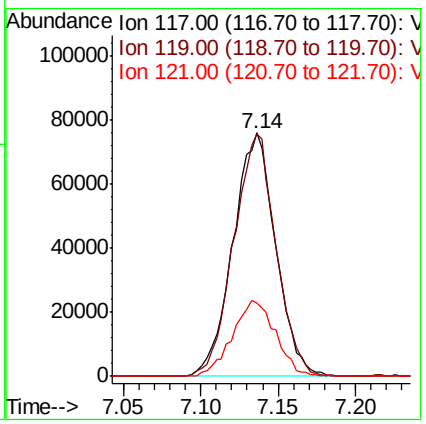


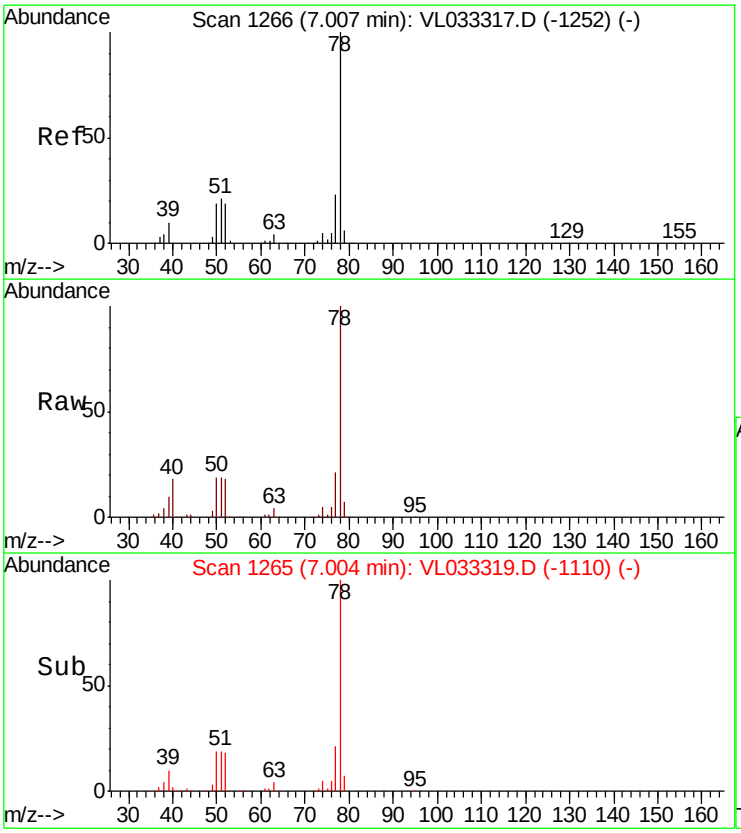
#35
Carbon Tetrachloride
Concen: 0.926 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 145580

Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.8	115.2
121	30.3	25.2	37.8

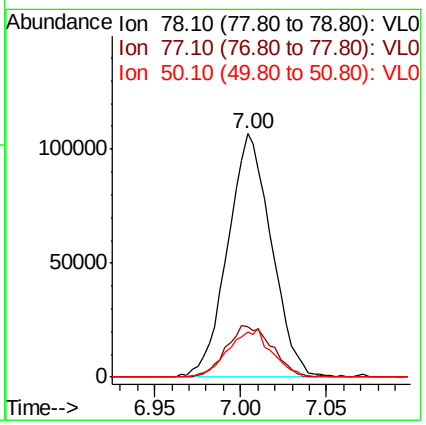


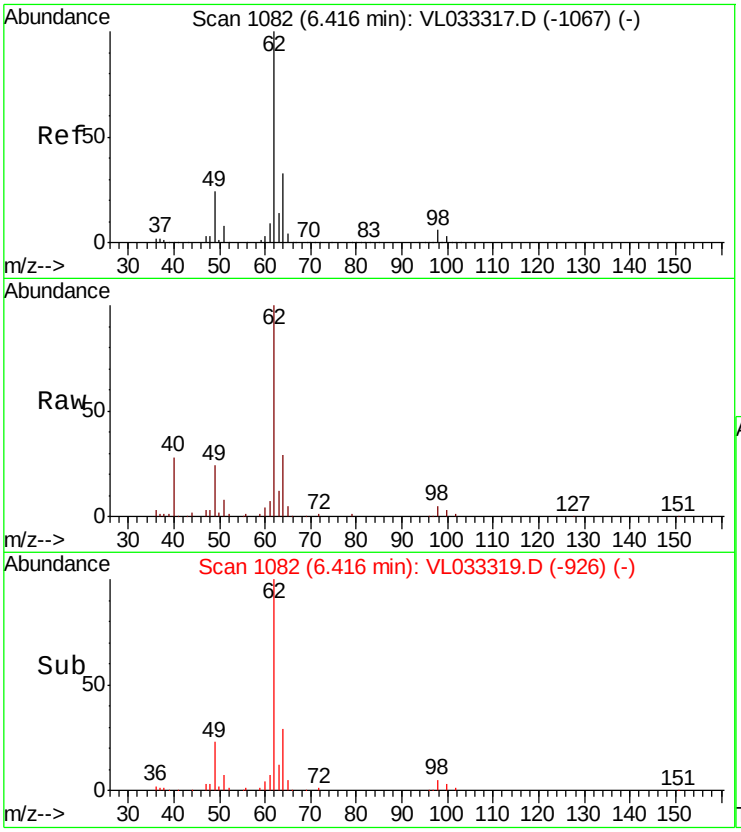


#36
Benzene
Concen: 0.936 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 78 Resp: 186016

Ion	Ratio	Lower	Upper
78	100		
77	20.5	18.0	27.0
50	18.7	15.0	22.4



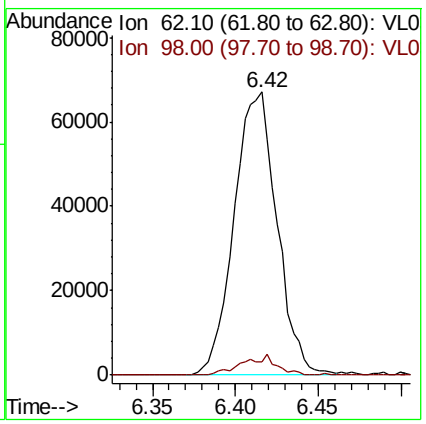


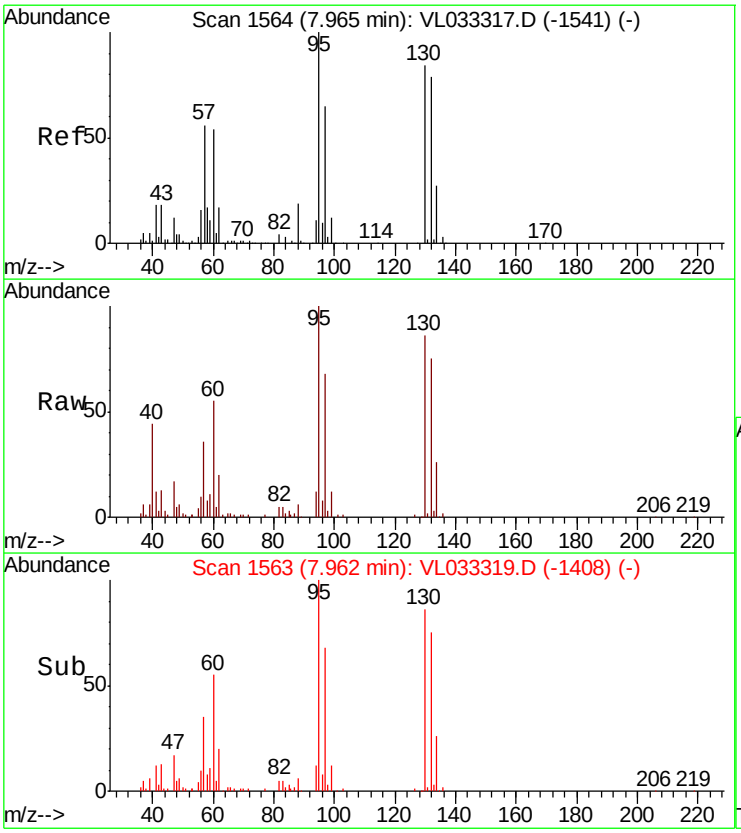
#37
1,2-Dichloroethane
Concen: 1.003 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 62 Resp: 120578

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.6	6.8

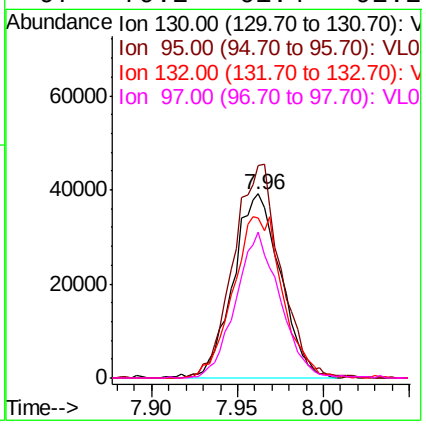


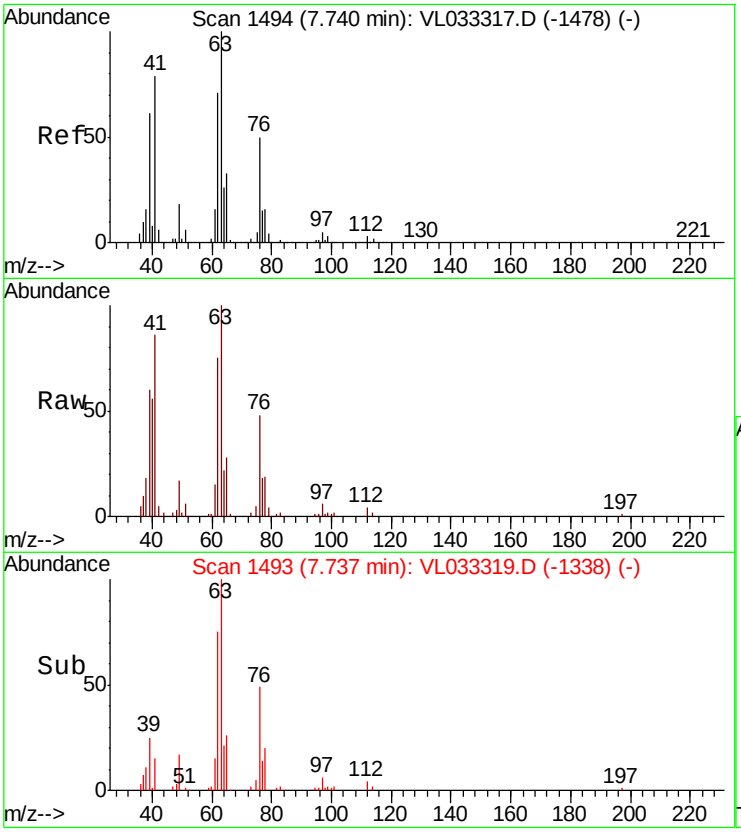


#38
Trichloroethene
Concen: 0.944 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:130 Resp: 74860

Ion	Ratio	Lower	Upper
130	100		
95	115.1	94.9	142.3
132	86.6	75.4	113.0
97	79.2	61.4	92.2



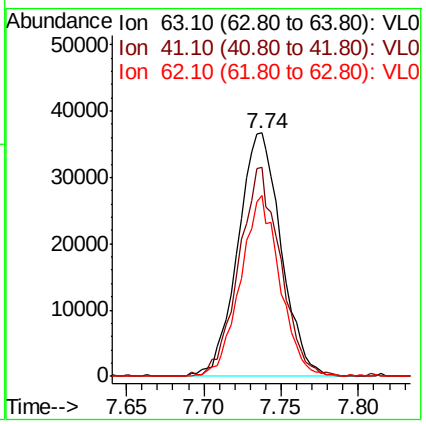


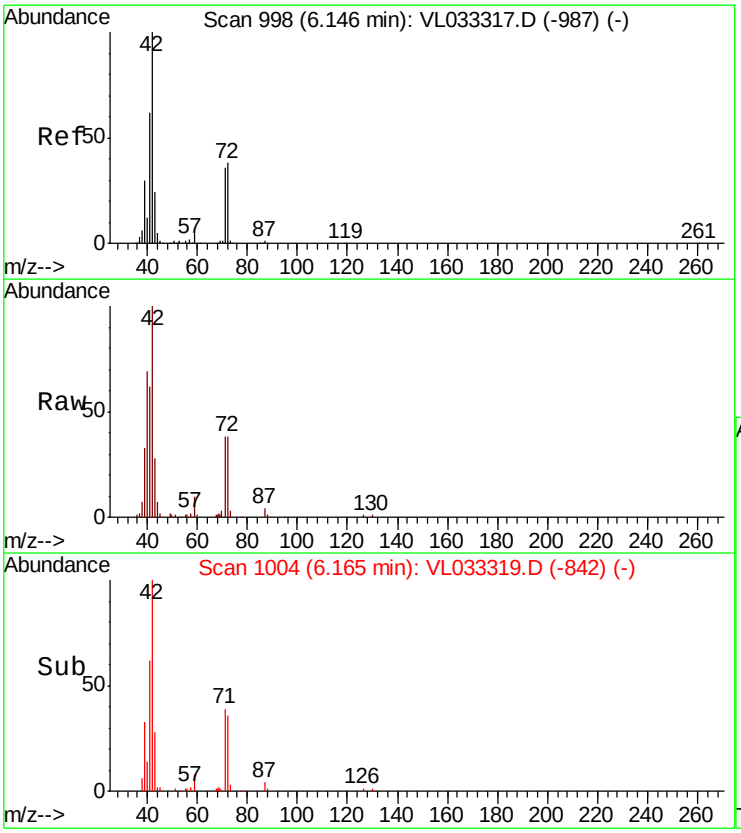
#39
1,2-Dichloropropane
Concen: 0.935 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 71393

Ion	Ratio	Lower	Upper
63	100		
41	85.9	63.5	95.3
62	74.5	56.5	84.7

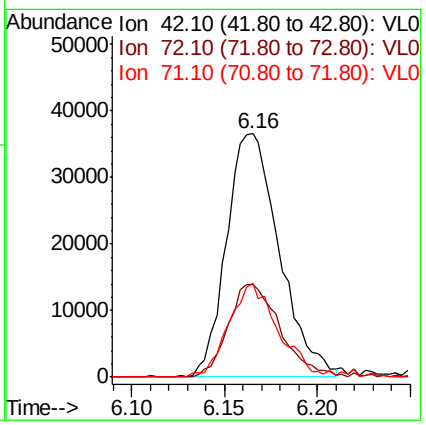


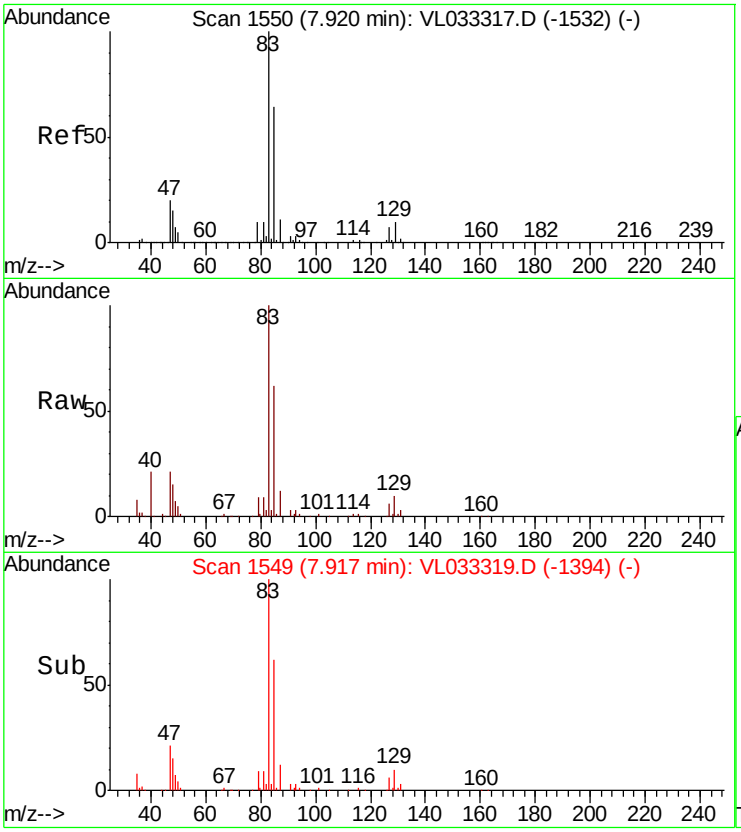


#41
Tetrahydrofuran
Concen: 0.929 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.02 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 42 Resp: 72467

Ion	Ratio	Lower	Upper
42	100		
72	37.9	31.2	46.8
71	37.0	29.9	44.9



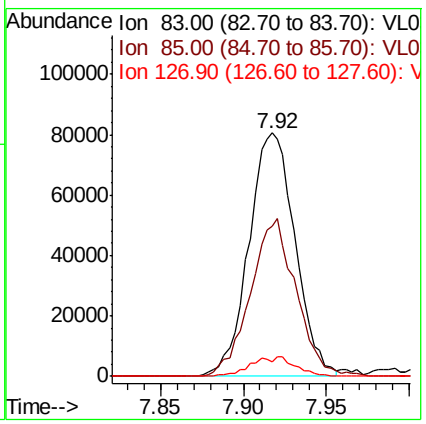


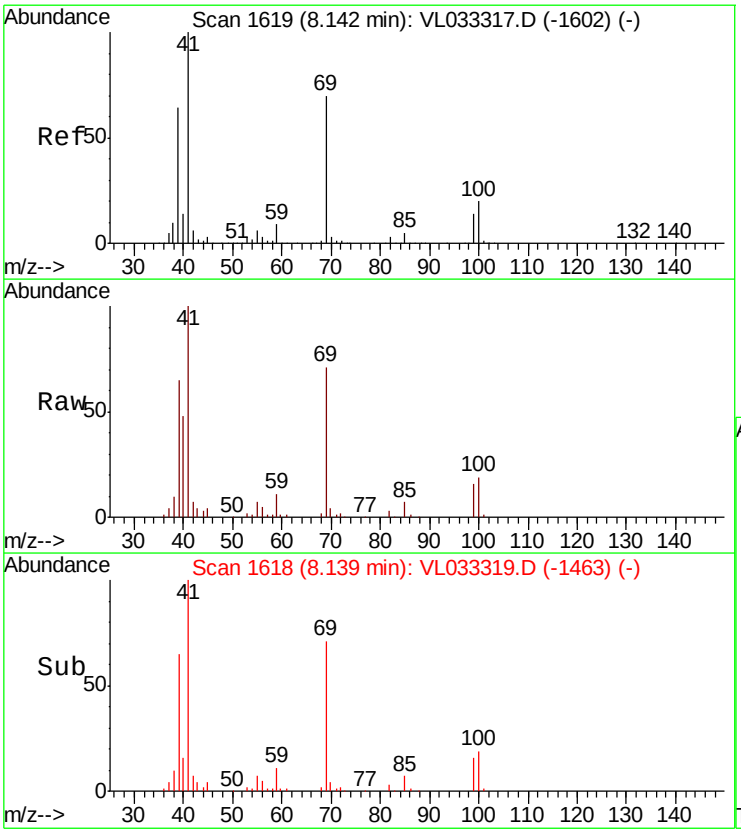
#42
Bromodichloromethane
Concen: 0.924 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 83 Resp: 155656

Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.1	76.7
127	5.9	6.0	9.0#

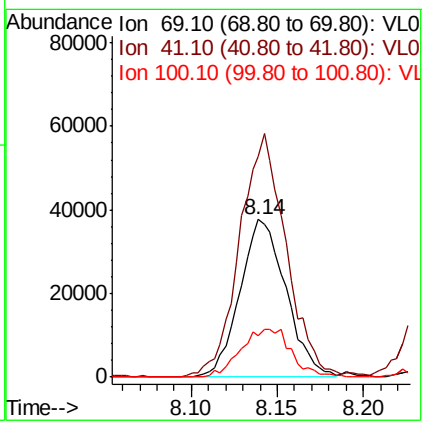


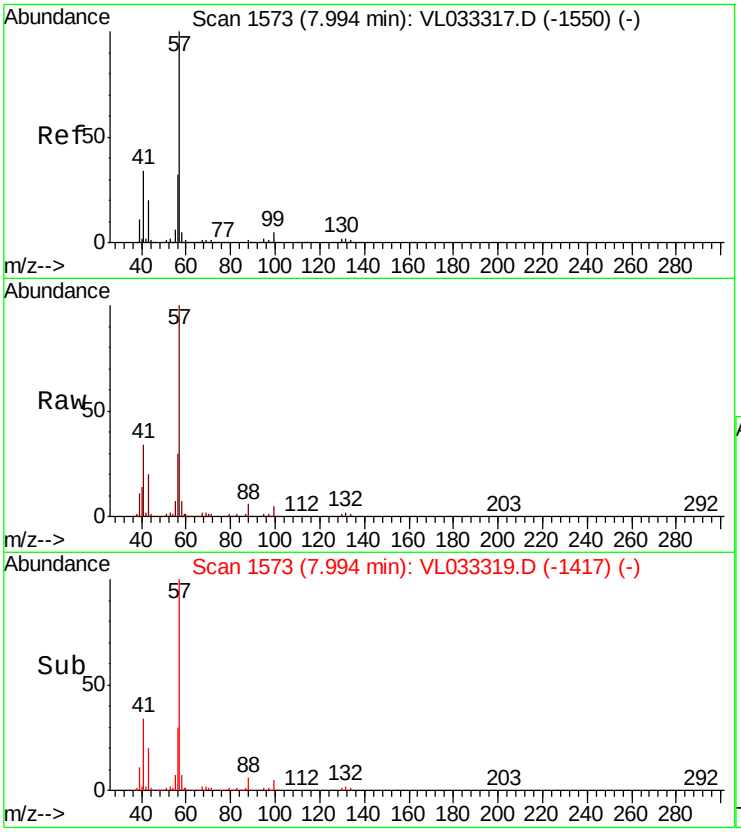


#43
Methyl Methacrylate
Concen: 0.886 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 69 Resp: 70225

Ion	Ratio	Lower	Upper
69	100		
41	156.2	119.0	178.4
100	33.2	24.3	36.5



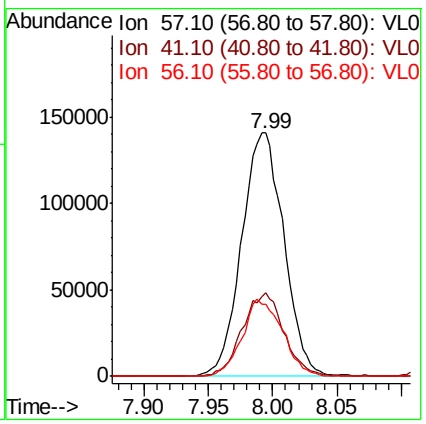


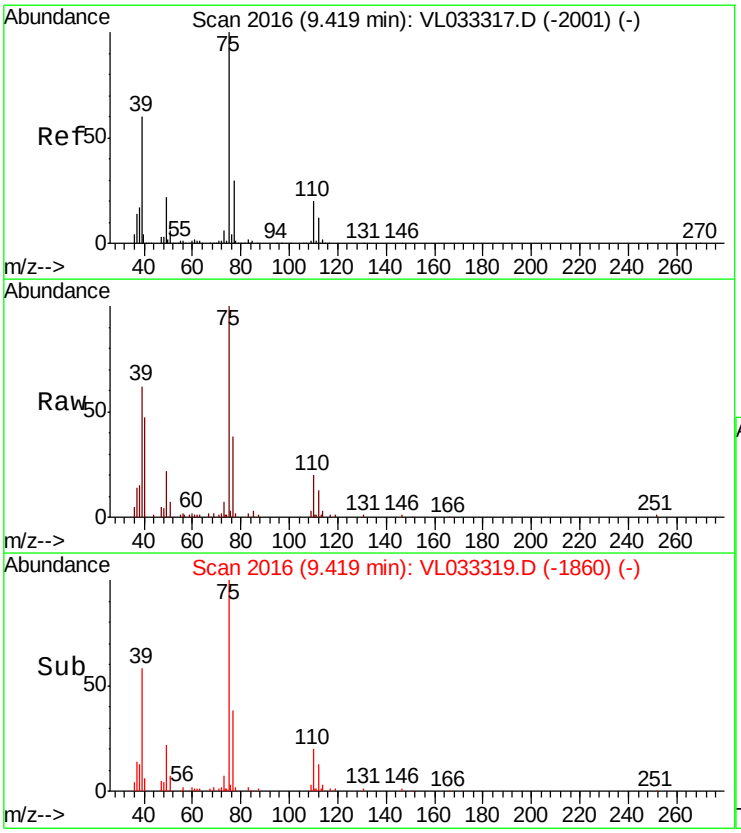
#44
2,2,4-Trimethylpentane
Concen: 0.940 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 57 Resp: 320604

Ion	Ratio	Lower	Upper
57	100		
41	33.9	26.1	39.1
56	30.4	24.7	37.1

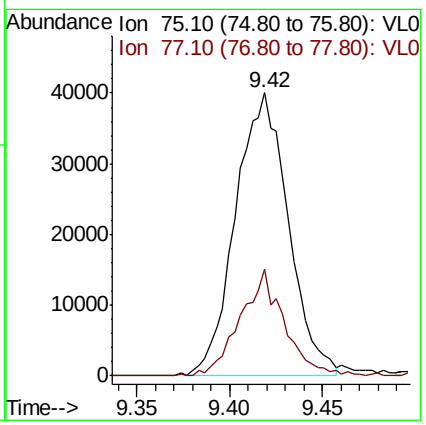


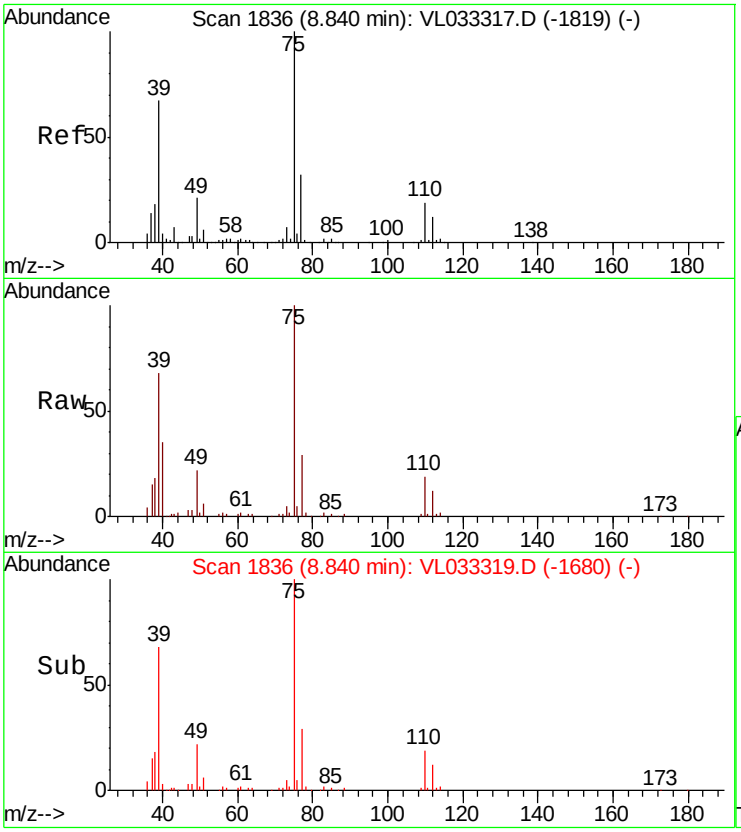


#45
t-1,3-Dichloropropene
Concen: 0.852 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 75 Resp: 79257

Ion	Ratio	Lower	Upper
75	100		
77	37.9	24.2	36.4#



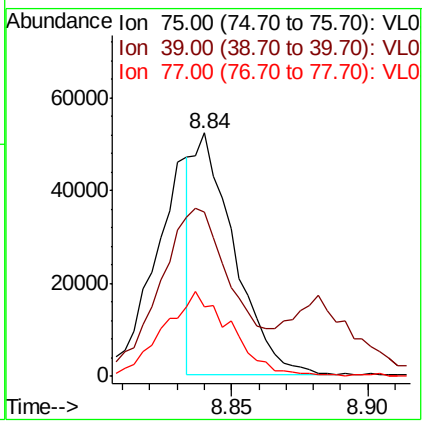


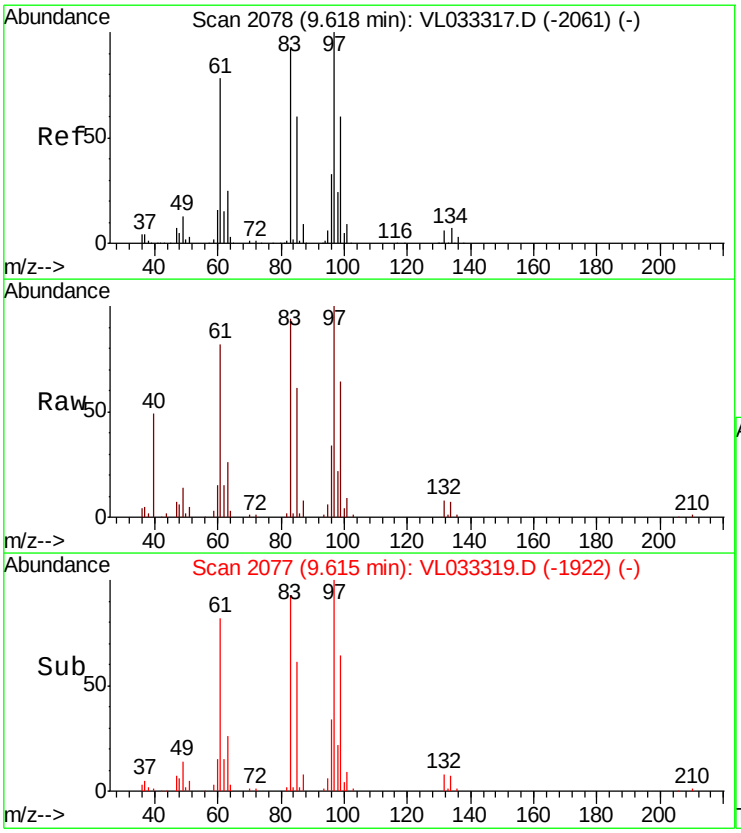
#46
cis-1,3-Dichloropropene
Concen: 0.484 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 54161

Ion	Ratio	Lower	Upper
75	100		
39	45.7	53.7	80.5#
77	28.0	25.5	38.3

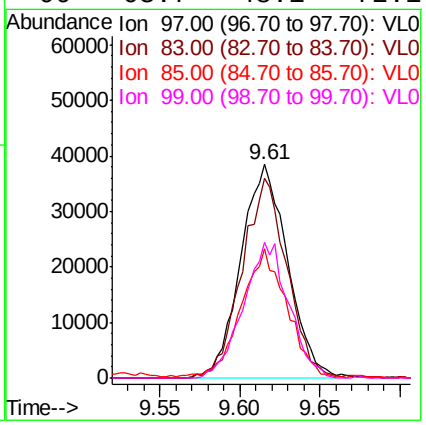


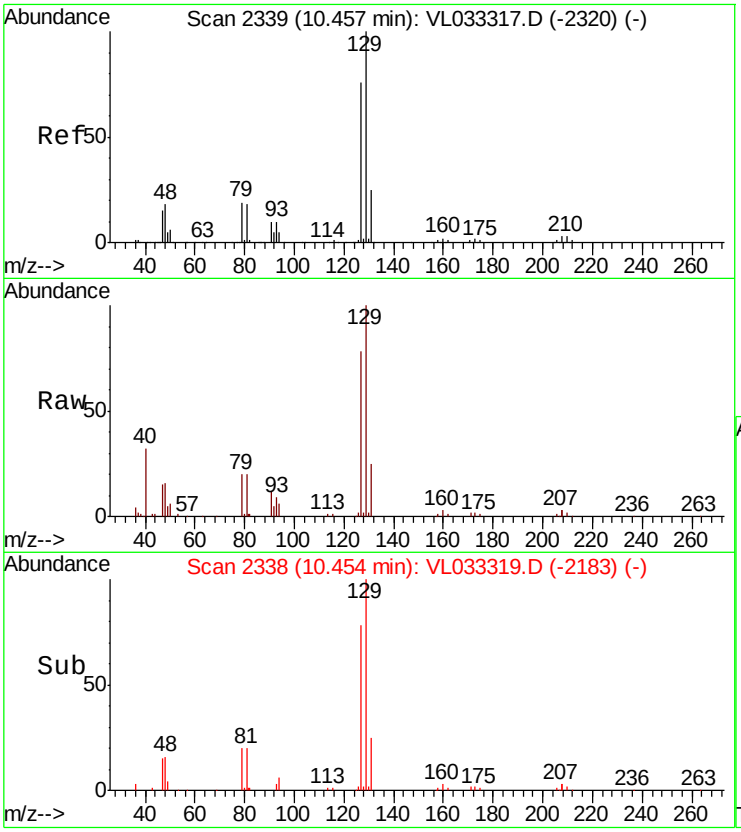


#47
1,1,2-Trichloroethane
Concen: 0.941 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 97 Resp: 76885

Ion	Ratio	Lower	Upper
97	100		
83	93.6	73.6	110.4
85	60.1	48.0	72.0
99	63.7	48.1	72.1



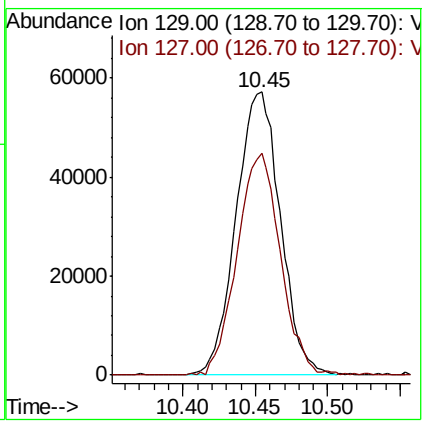


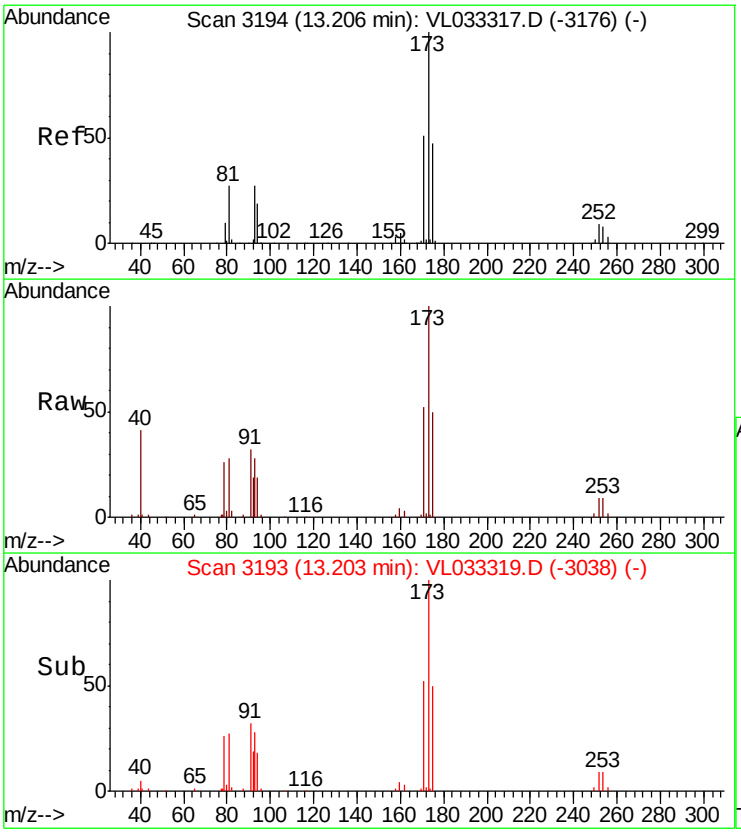
#48
Dibromochloromethane
Concen: 0.882 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:129 Resp: 121587

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.7	116.1

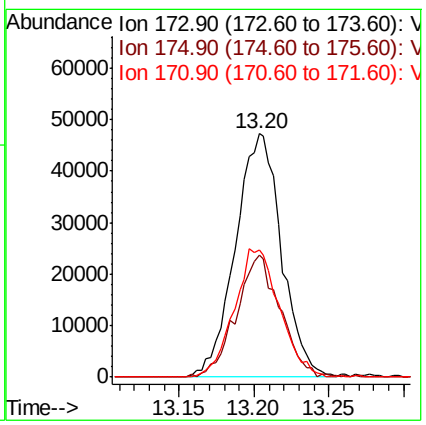


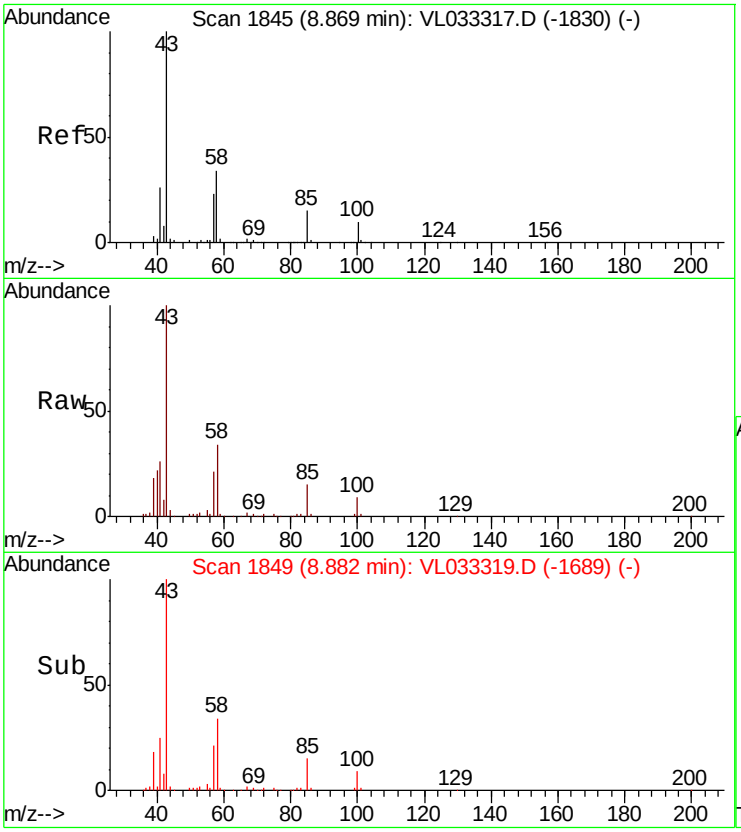


#49
Bromoform
Concen: 0.864 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:173 Resp: 101018

Ion	Ratio	Lower	Upper
173	100		
175	48.2	38.6	58.0
171	51.8	41.5	62.3



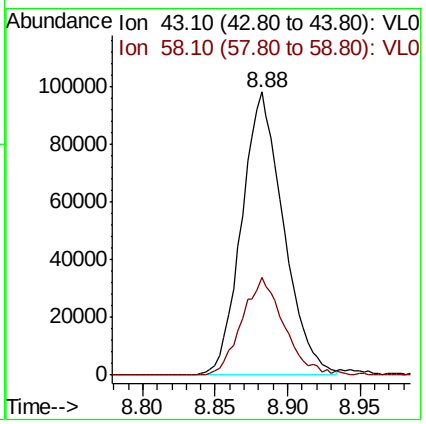


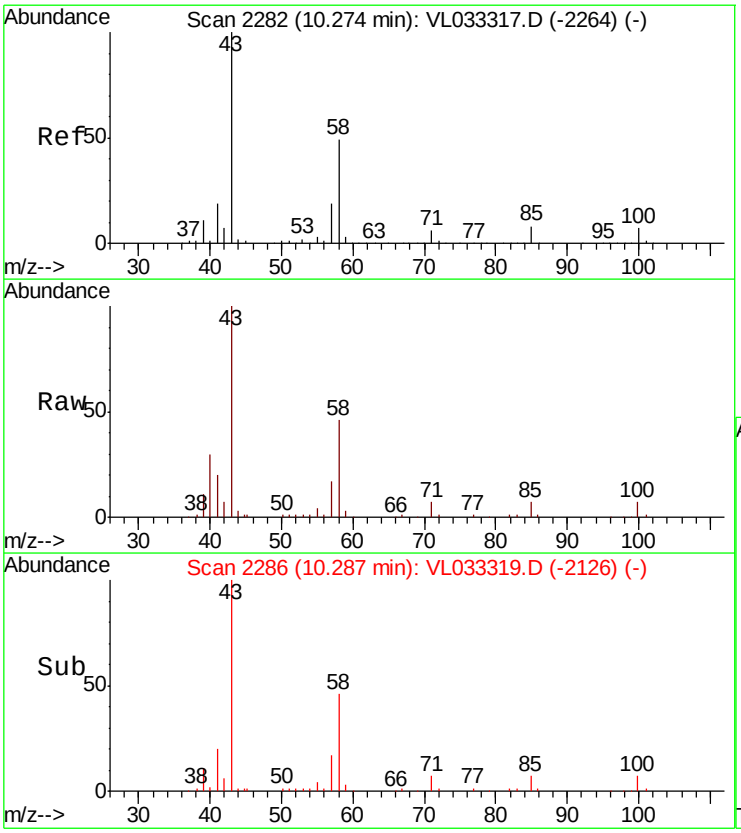
#50
4-Methyl-2-Pentanone
Concen: 0.965 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 196588

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.2	42.2

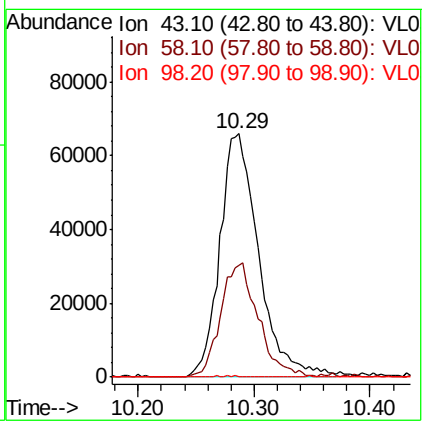


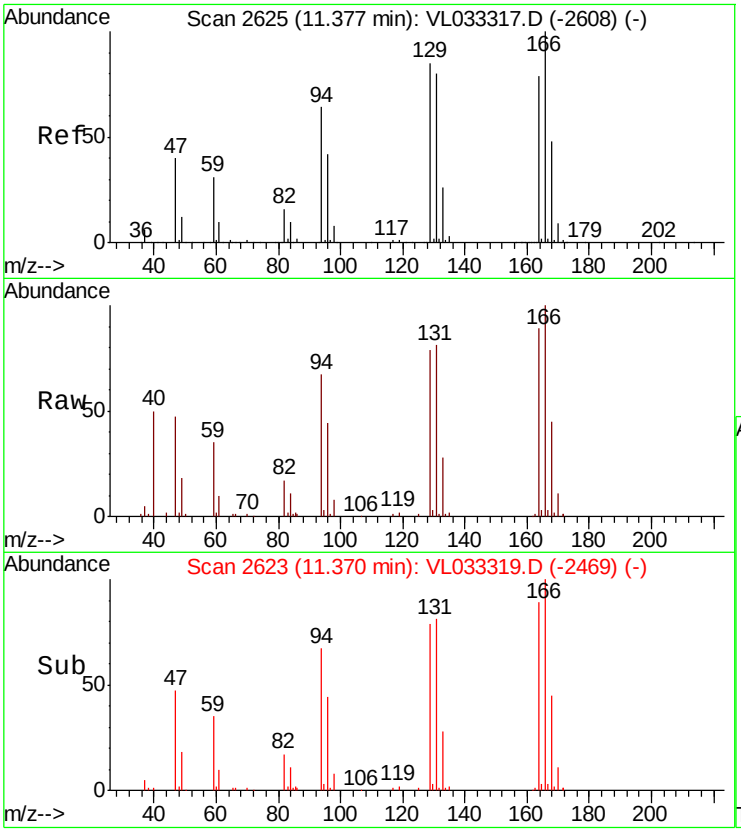


#51
2-Hexanone
Concen: 0.975 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 43 Resp: 152872

Ion	Ratio	Lower	Upper
43	100		
58	45.3	38.0	57.0
98	0.1	0.1	0.1#



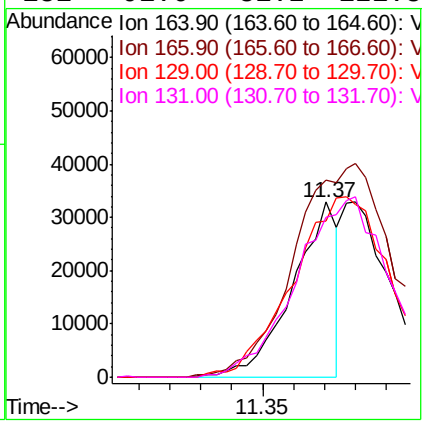


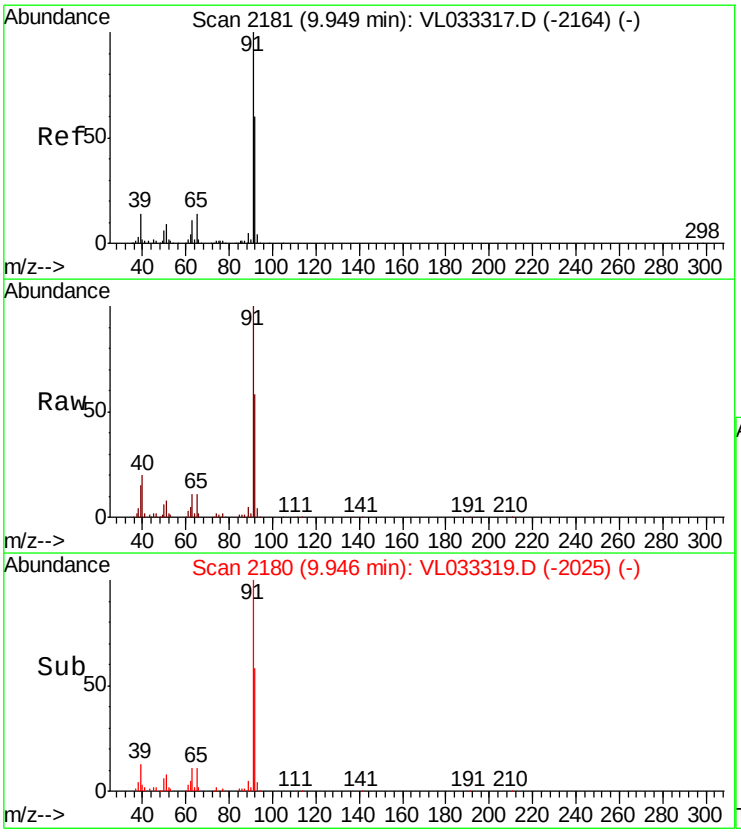
#52
Tetrachloroethene
Concen: 0.402 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:164 Resp: 32966

Ion	Ratio	Lower	Upper
164	100		
166	112.5	100.9	151.3
129	89.3	86.0	129.0
131	91.6	81.2	121.8

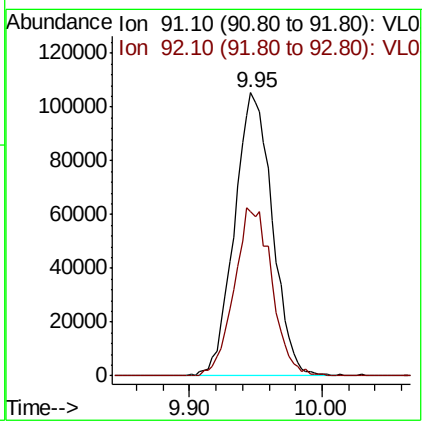


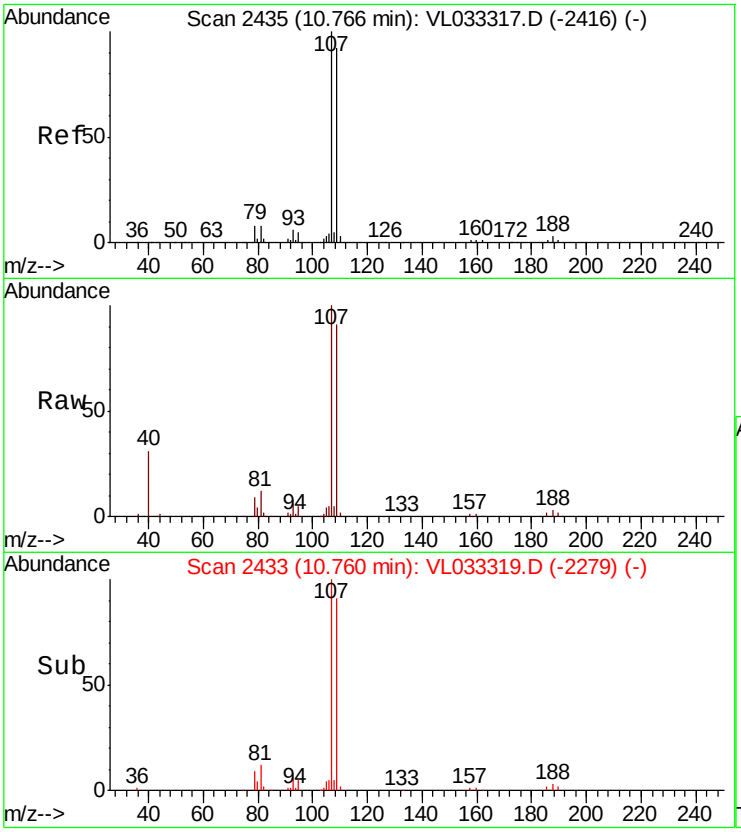


#53
Toluene
Concen: 0.919 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 91 Resp: 208971

Ion	Ratio	Lower	Upper
91	100		
92	59.0	47.5	71.3



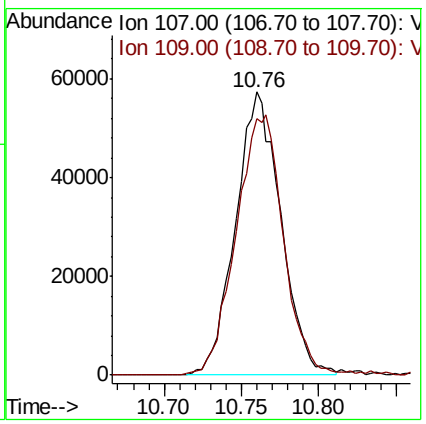


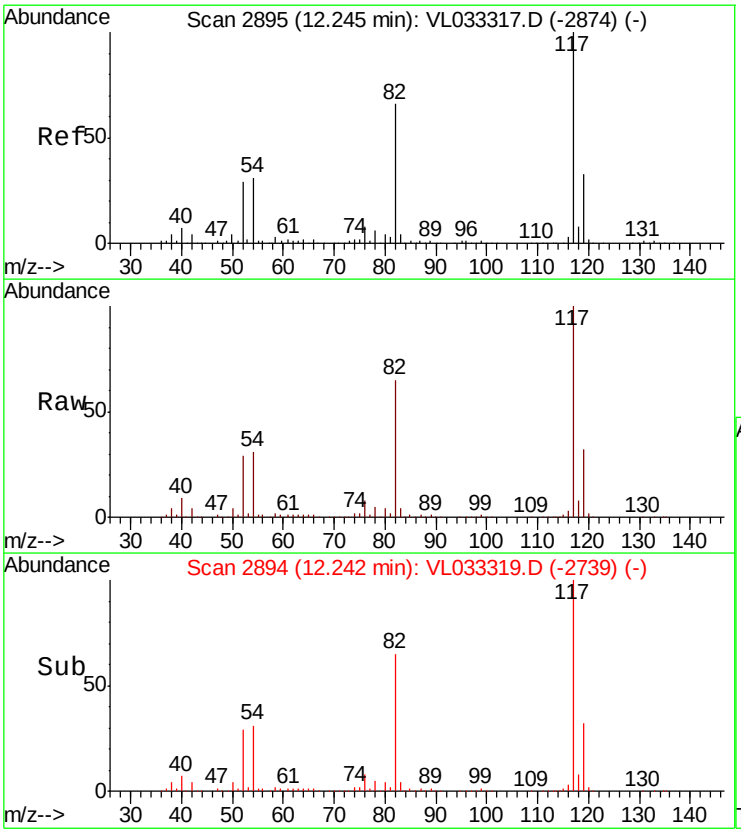
#54
1,2-Dibromoethane
Concen: 0.873 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:107 Resp: 116509

Ion	Ratio	Lower	Upper
107	100		
109	89.9	73.6	110.4

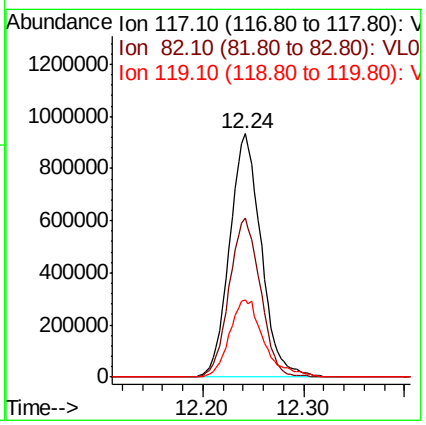


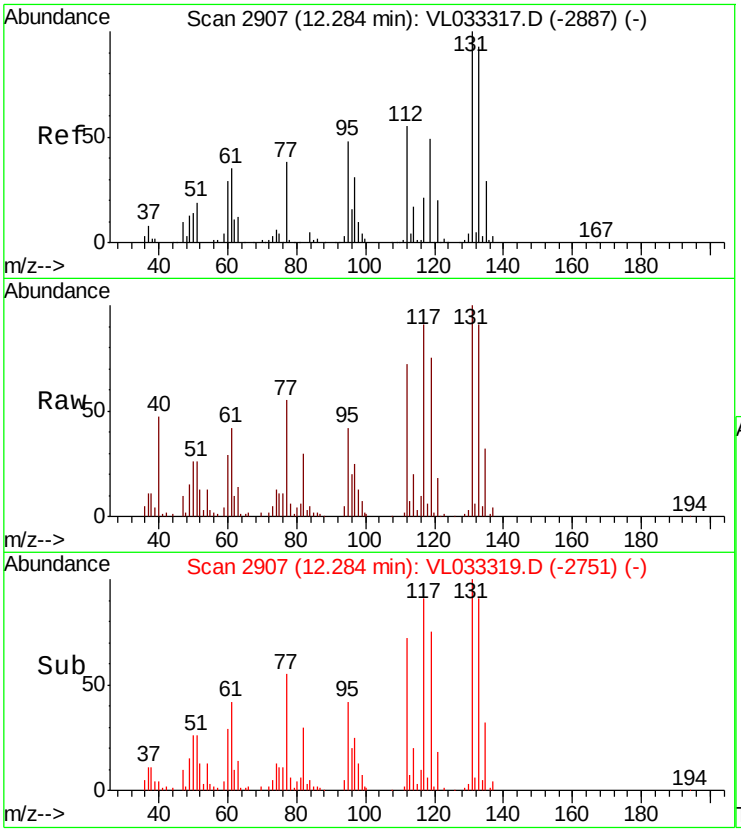


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:117 Resp: 2030295

Ion	Ratio	Lower	Upper
117	100		
82	64.8	53.3	79.9
119	34.5	27.7	41.5



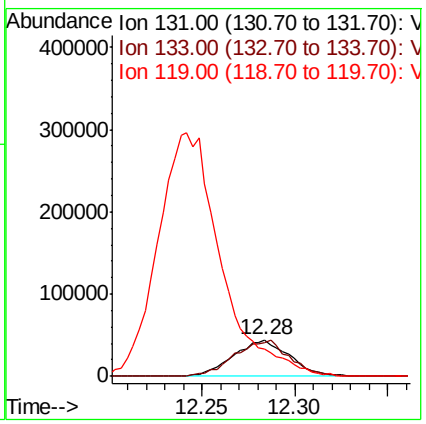


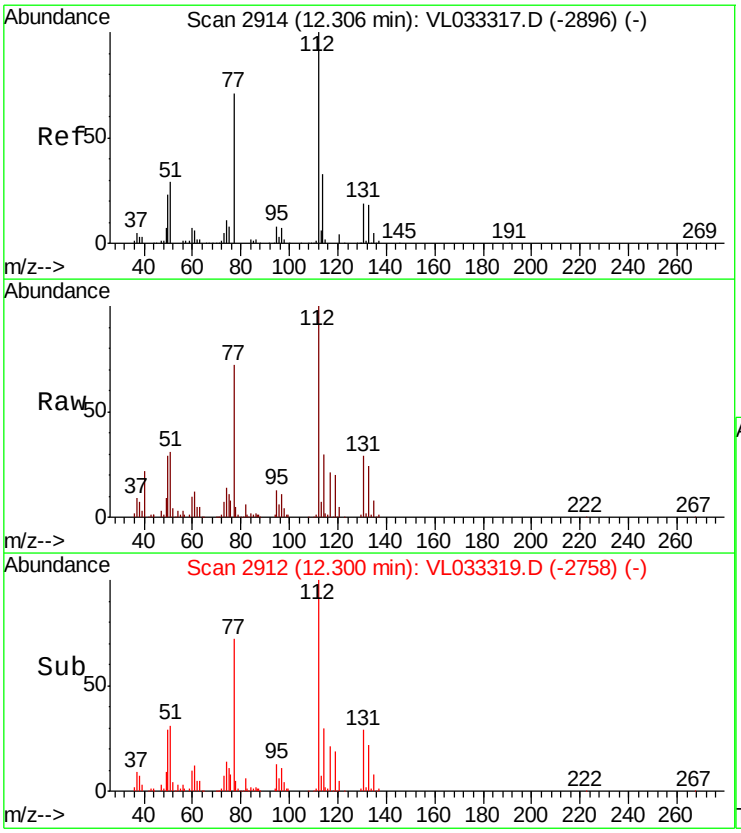
#56
1,1,1,2-Tetrachloroethane
Concen: 1.016 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:131 Resp: 93274

Ion	Ratio	Lower	Upper
131	100		
133	98.1	76.2	114.2
119	752.4	48.5	72.7#

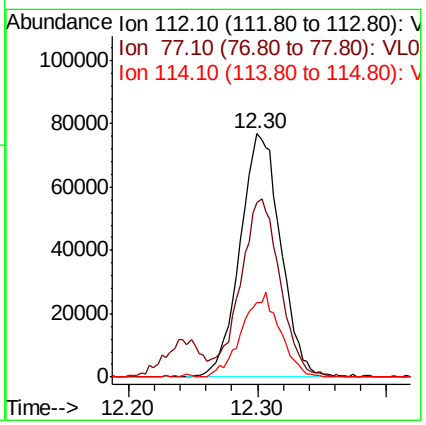


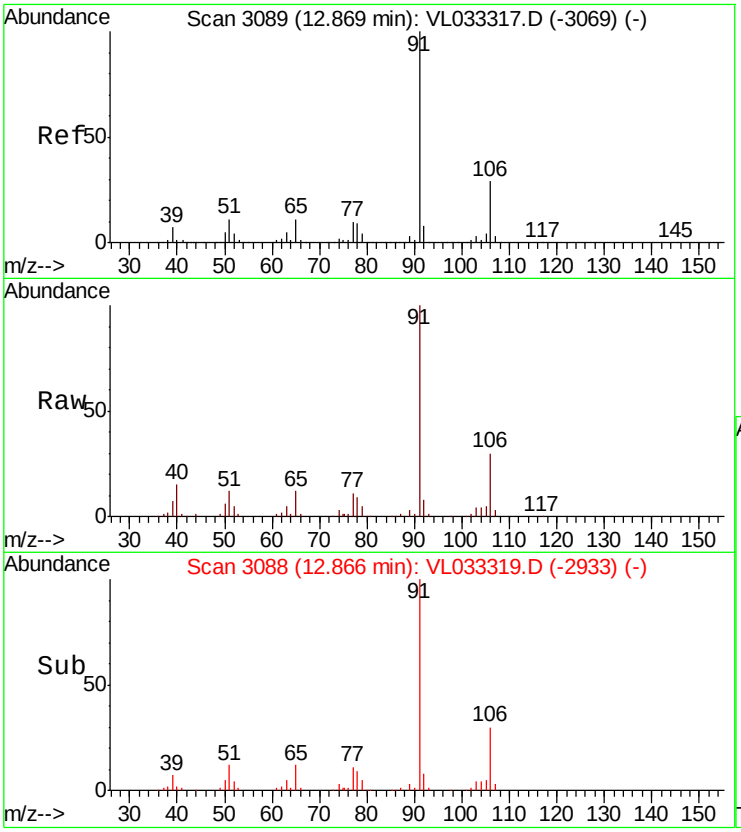


#57
Chlorobenzene
Concen: 1.024 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:112 Resp: 168422

Ion	Ratio	Lower	Upper
112	100		
77	70.6	57.5	86.3
114	30.5	29.7	36.3



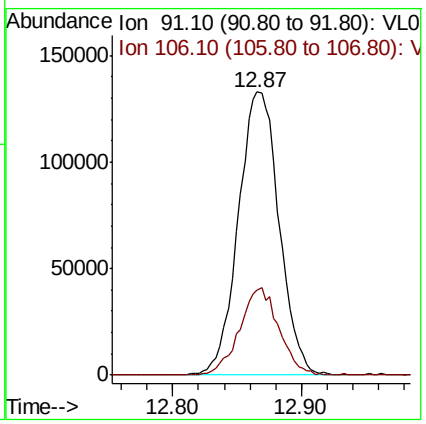


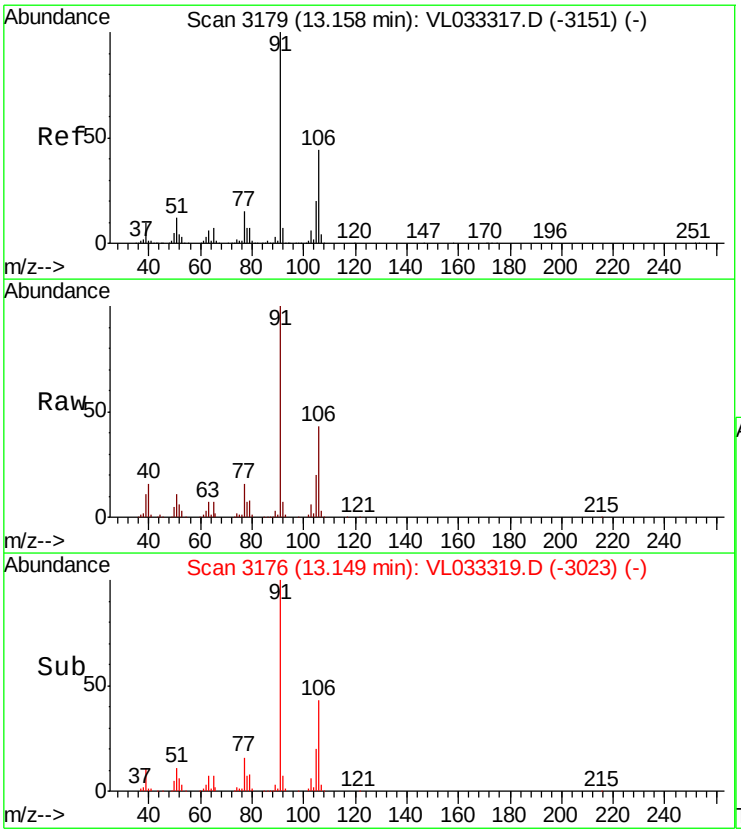
#58
Ethyl Benzene
Concen: 1.001 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 293081

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.6	35.4

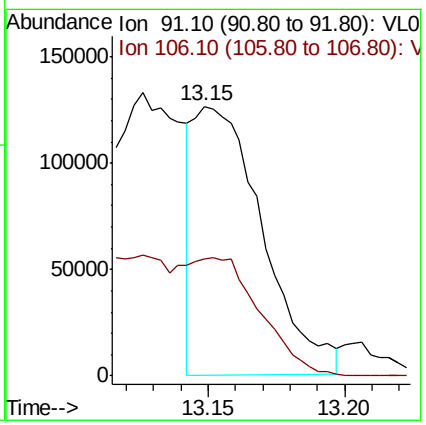


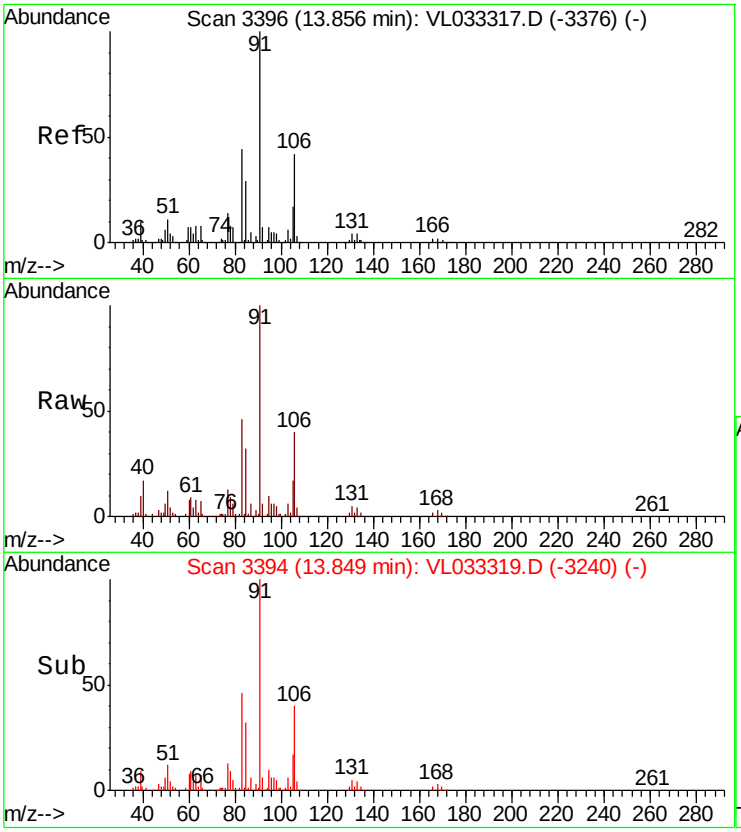


#59
m/p-Xylene
Concen: 0.895 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 91 Resp: 220311

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#



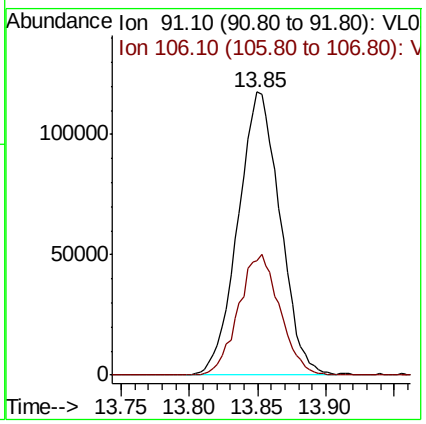


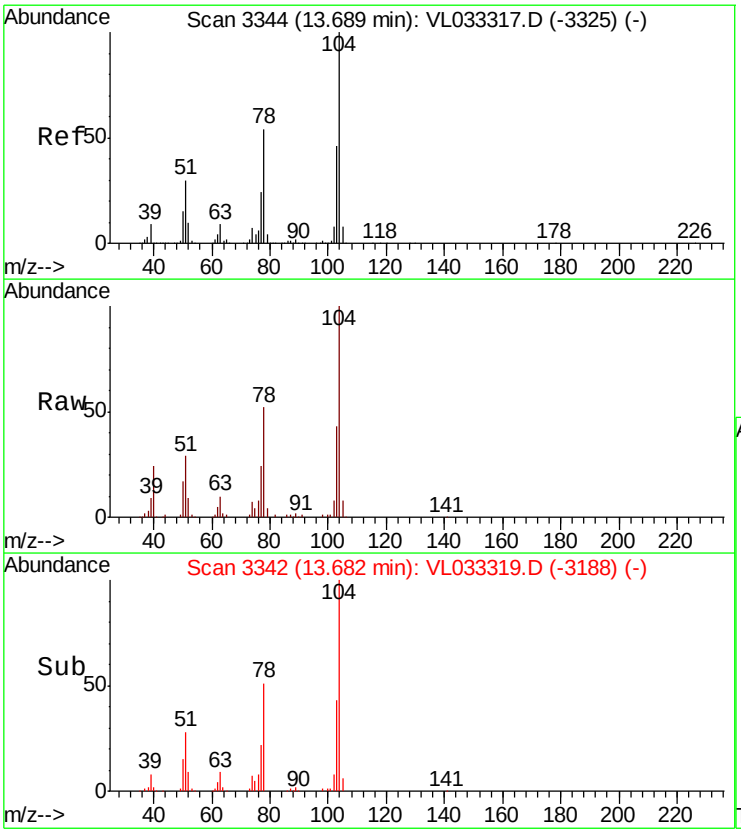
#60
o-Xylene
Concen: 1.059 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 252270

Ion	Ratio	Lower	Upper
91	100		
106	41.8	21.5	64.5

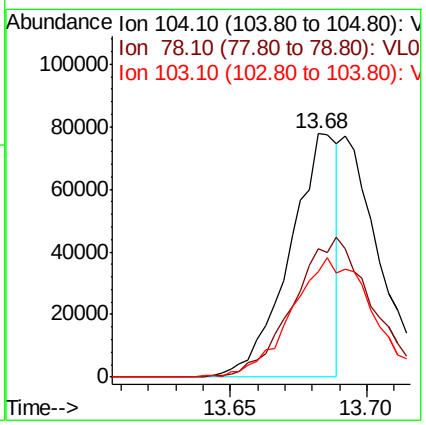


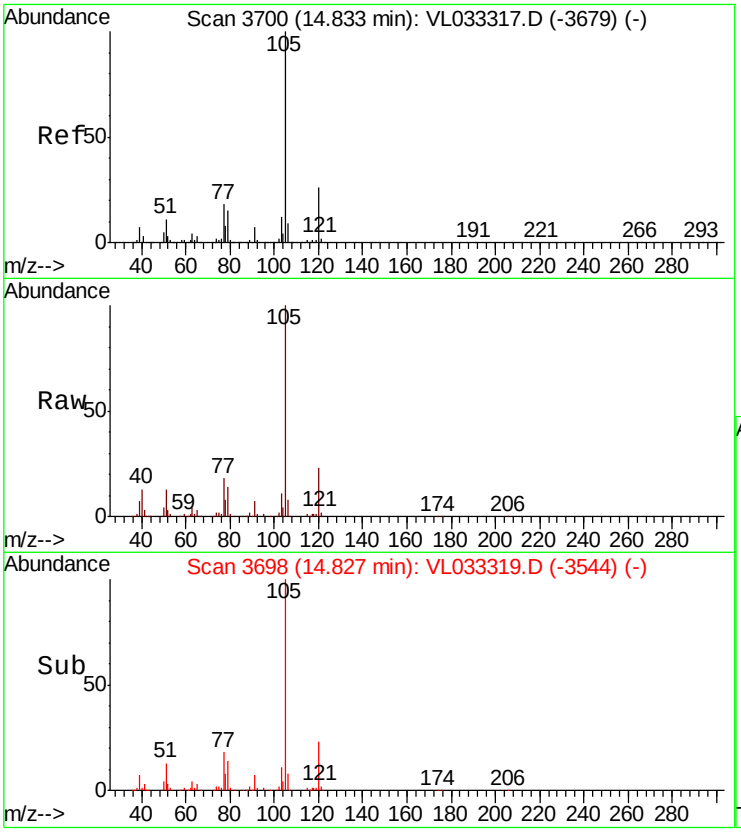


#61
Styrene
Concen: 0.566 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:104 Resp: 94307

Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.4	65.0#
103	0.0	38.2	57.4#



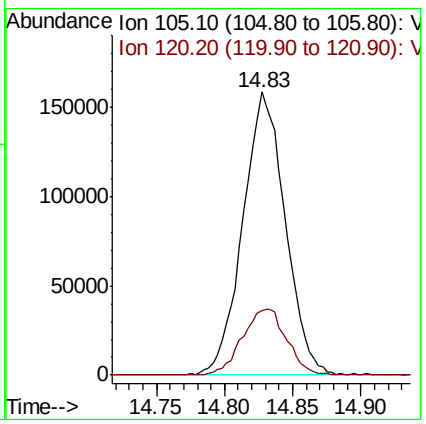


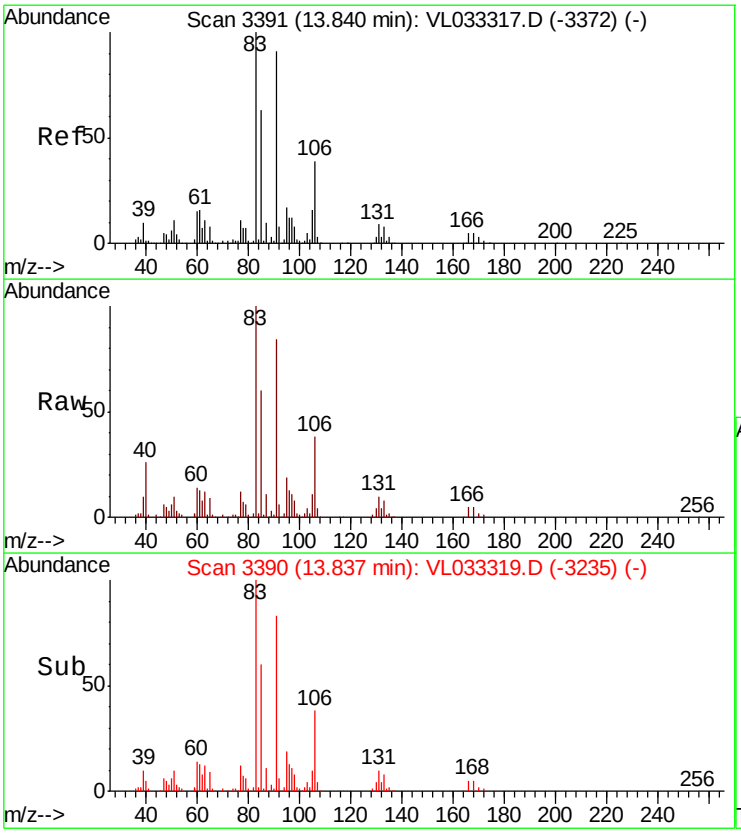
#62
Isopropylbenzene
Concen: 1.022 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 341724

Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.1	30.1

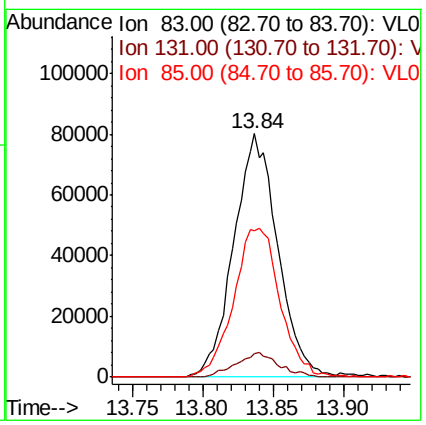


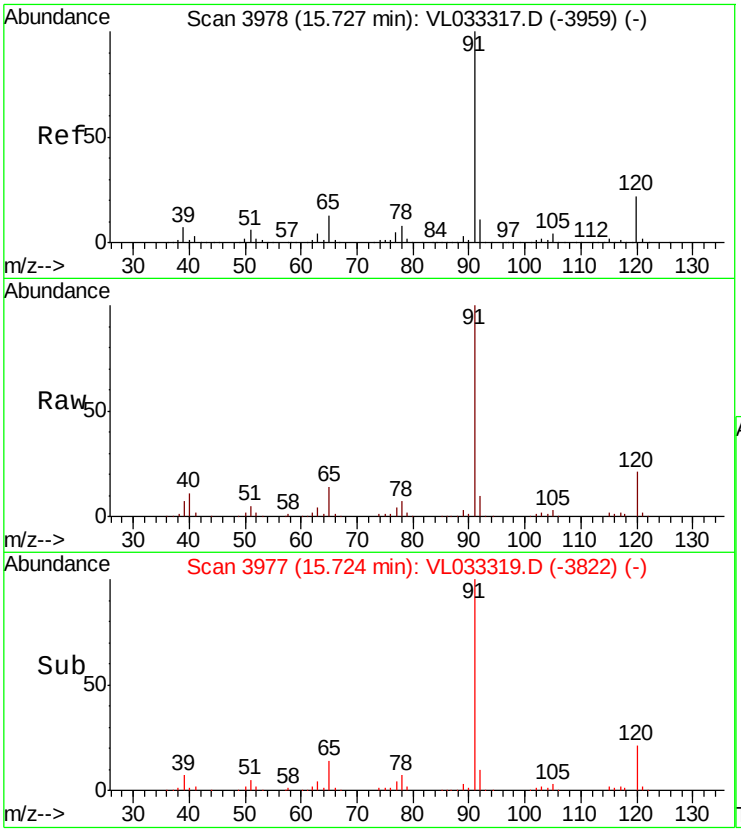


#63
1,1,2,2-Tetrachloroethane
Concen: 1.018 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 83 Resp: 174521

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.5	13.5
85	64.5	32.5	97.5



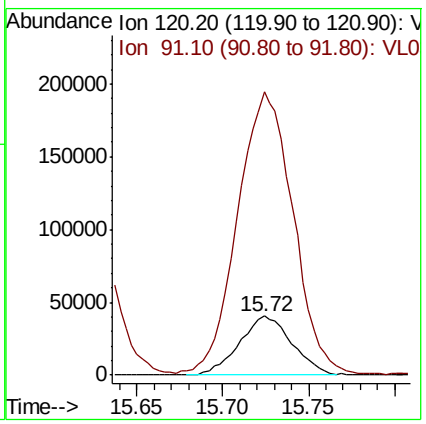


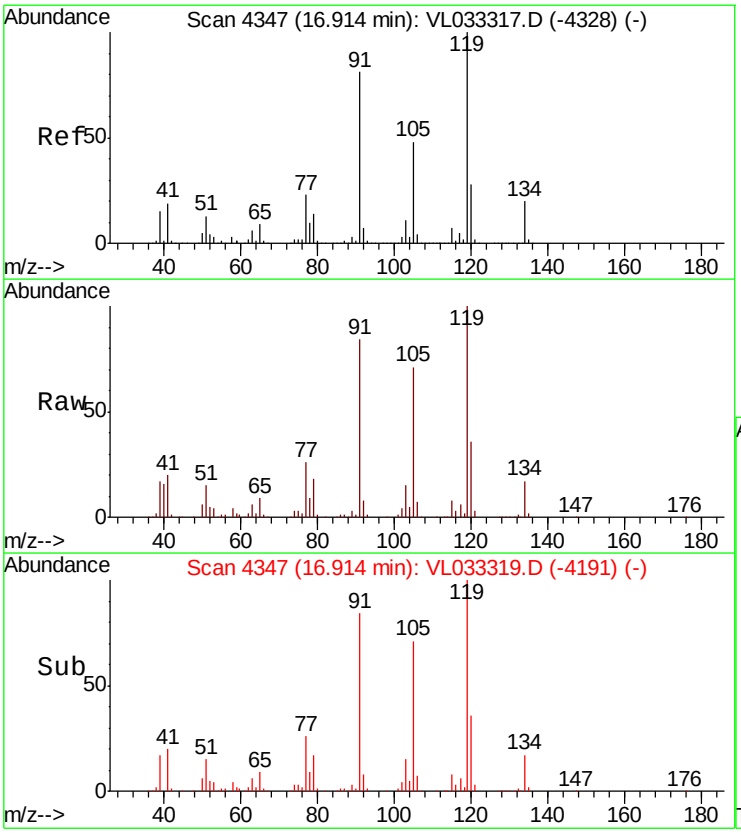
#64
n-propylbenzene
Concen: 1.031 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:120 Resp: 85769

Ion	Ratio	Lower	Upper
120	100		
91	510.9	387.4	581.0

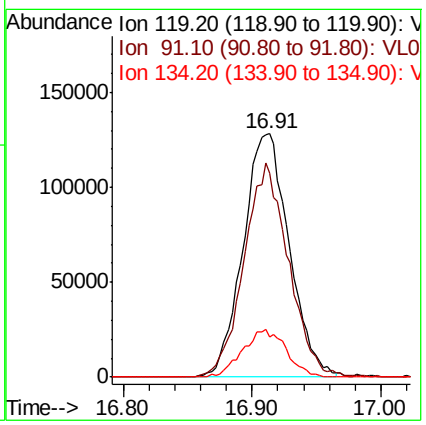


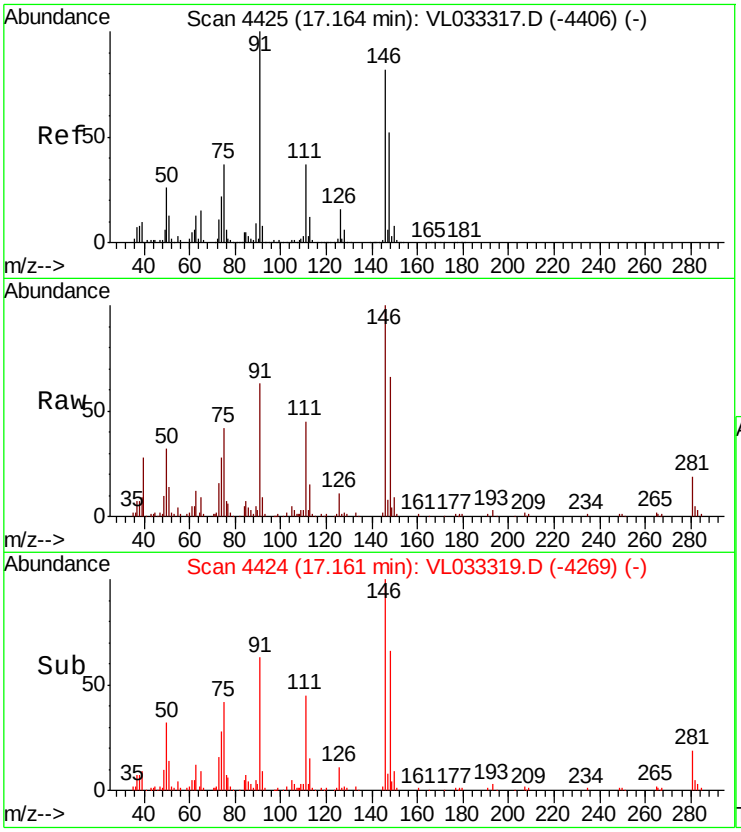


#65
tert-Butylbenzene
Concen: 1.125 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:119 Resp: 318811

Ion	Ratio	Lower	Upper
119	100		
91	85.1	67.5	101.3
134	18.5	15.5	23.3



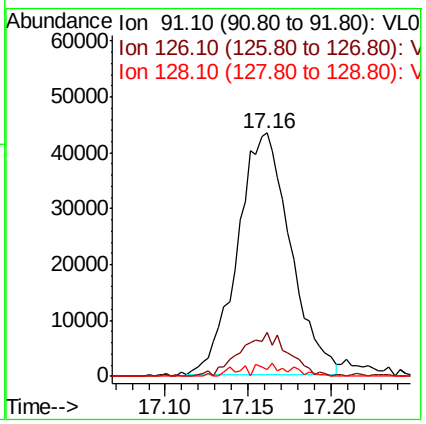


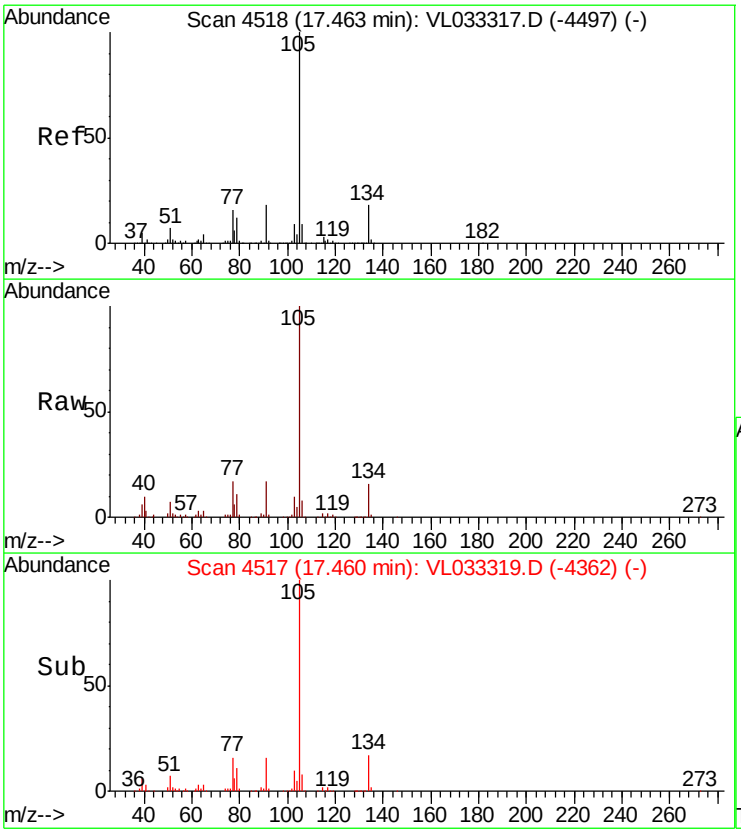
#66
Benzyl Chloride
Concen: 0.835 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 96020

Ion	Ratio	Lower	Upper
91	100		
126	16.4	13.4	20.0
128	4.6	4.3	6.5

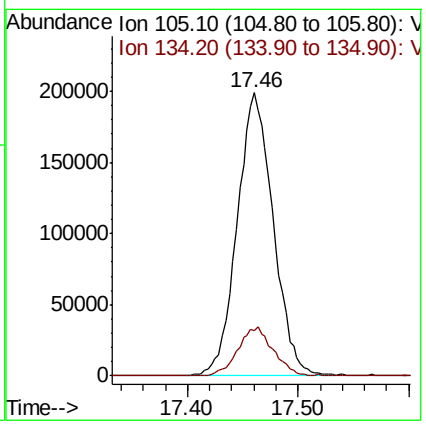


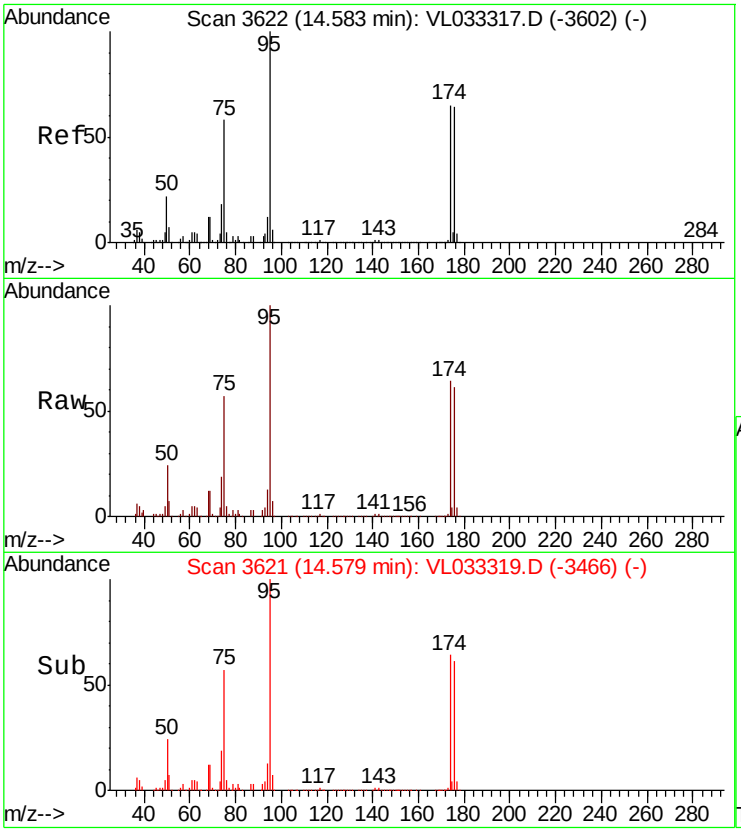


#67
sec-Butylbenzene
Concen: 1.103 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:105 Resp: 449995

Ion	Ratio	Lower	Upper
105	100		
134	16.9	14.2	21.4



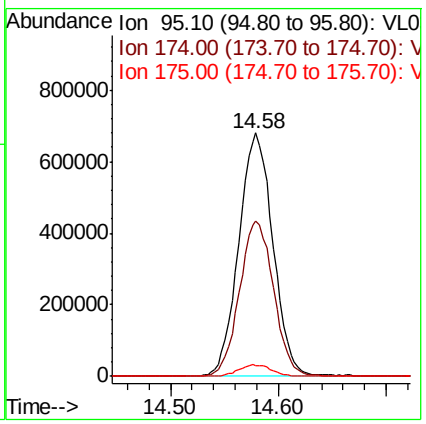


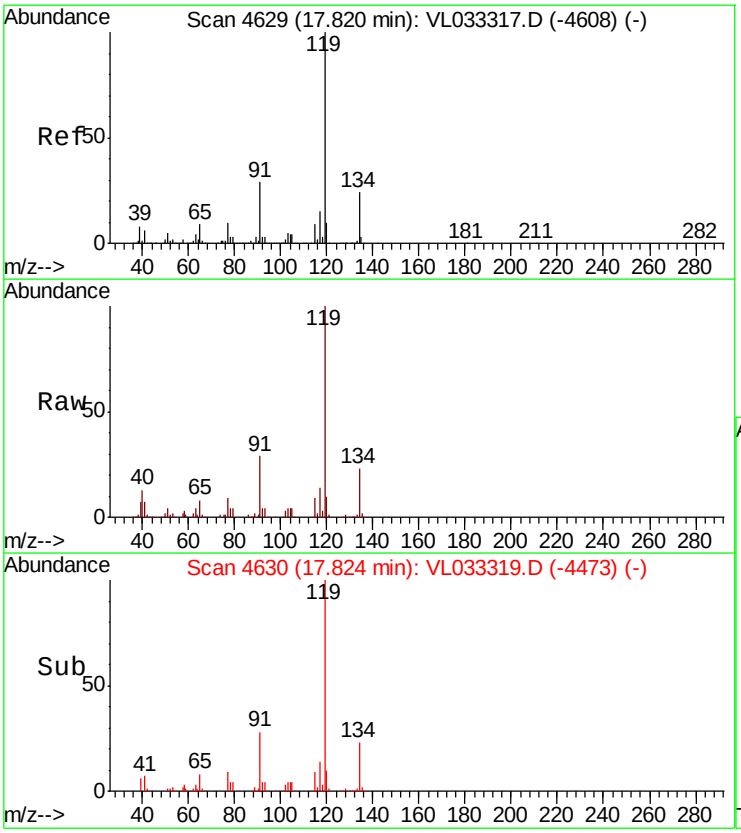
#68
1-Bromo-4-Fluorobenzene
Concen: 9.668 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 95 Resp: 1500955

Ion	Ratio	Lower	Upper
95	100		
174	64.0	52.2	78.4
175	4.6	3.8	5.6

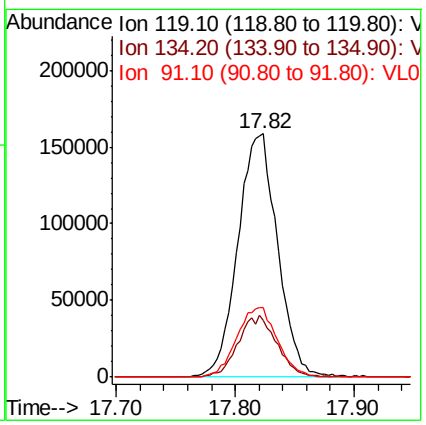


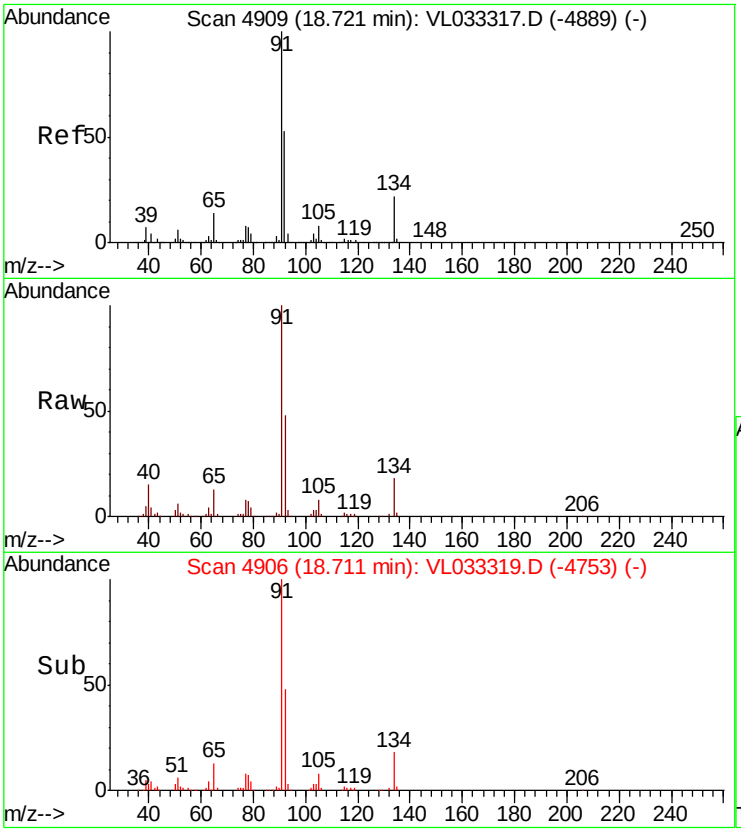


#69
p-Isopropyltoluene
Concen: 1.122 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:119 Resp: 366088

Ion	Ratio	Lower	Upper
119	100		
134	24.7	19.9	29.9
91	29.7	23.7	35.5



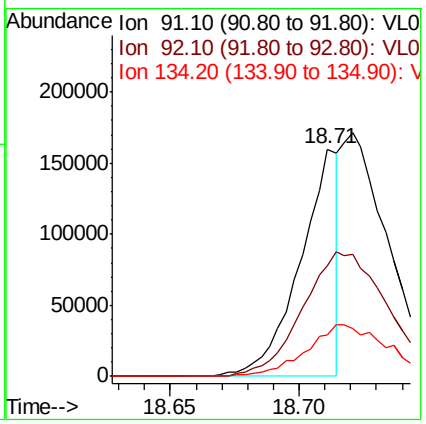


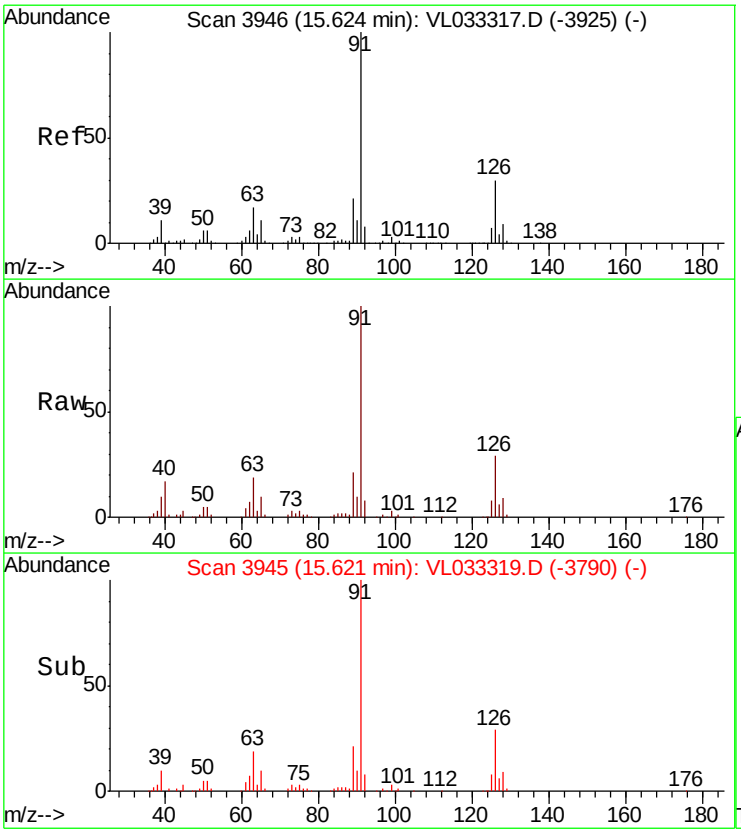
#70
n-Butylbenzene
Concen: 0.479 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 163699

Ion	Ratio	Lower	Upper
91	100		
92	122.6	42.7	64.1#
134	49.5	17.4	26.0#

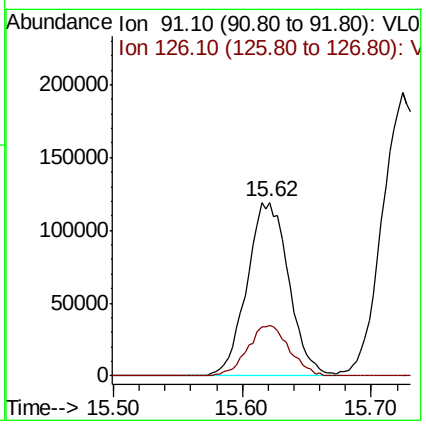


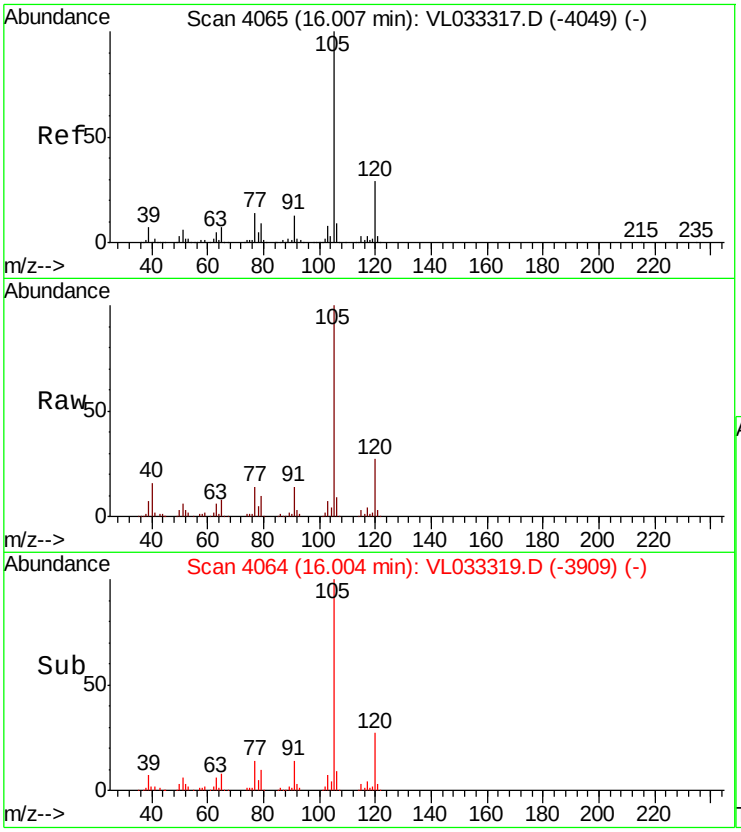


#71
2-Chlorotoluene
Concen: 1.074 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion: 91 Resp: 269206

Ion	Ratio	Lower	Upper
91	100		
126	29.0	11.8	47.2



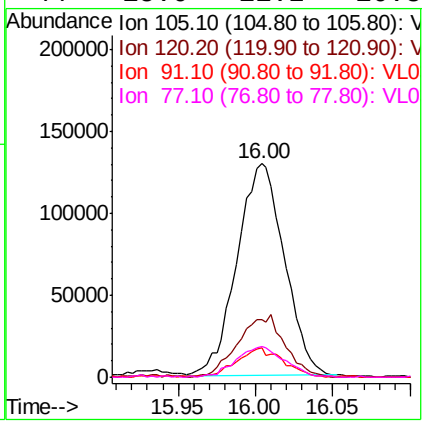


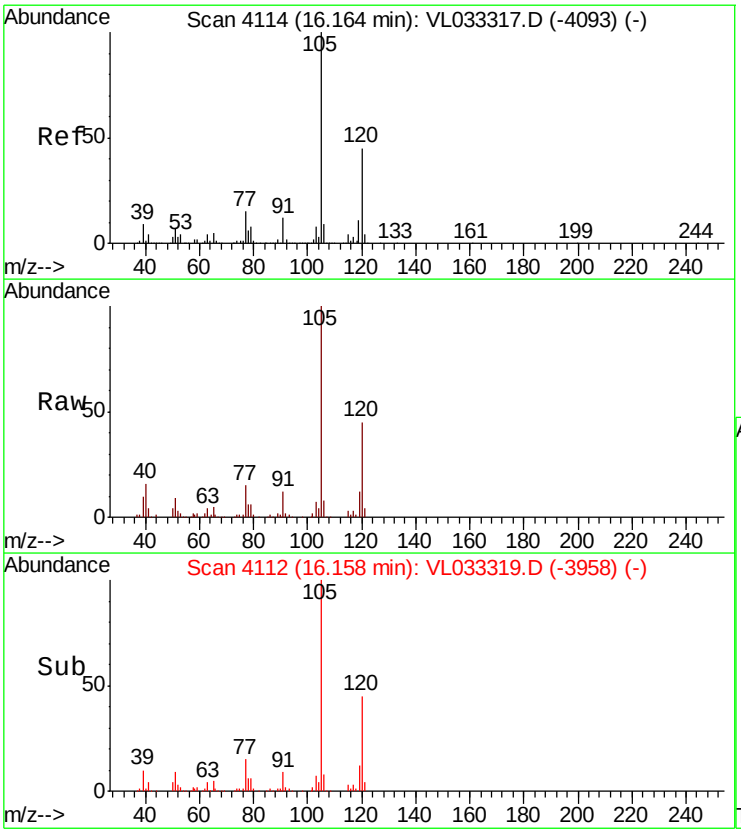
#72
4-Ethyltoluene
Concen: 1.071 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 274318

Ion	Ratio	Lower	Upper
105	100		
120	29.2	22.6	33.8
91	14.0	10.4	15.6
77	15.0	11.2	16.8

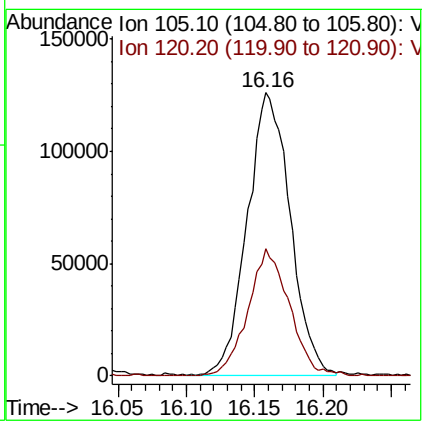


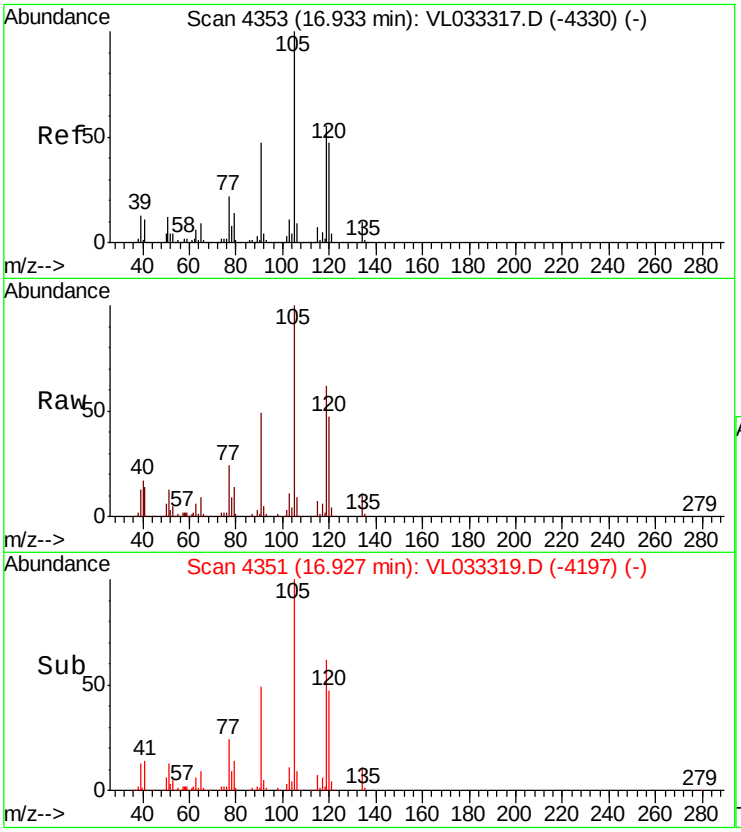


#73
1,3,5-Trimethylbenzene
Concen: 1.149 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:105 Resp: 276720

Ion	Ratio	Lower	Upper
105	100		
120	44.7	36.2	54.2



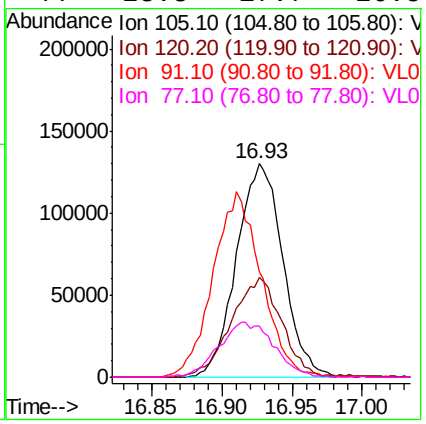


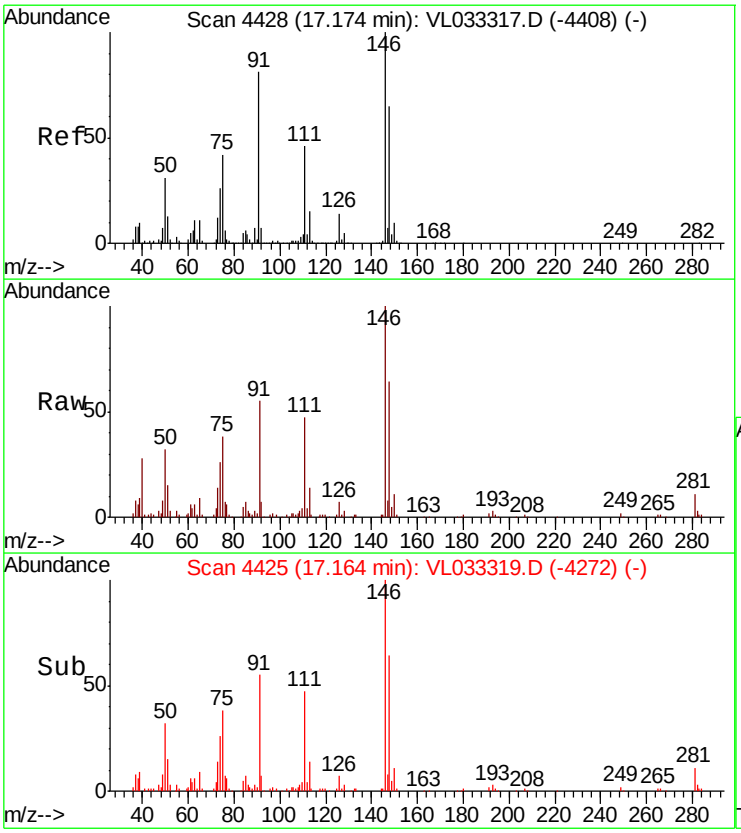
#74
1,2,4-Trimethylbenzene
Concen: 1.218 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 299416

Ion	Ratio	Lower	Upper
105	100		
120	47.0	37.2	55.8
91	48.8	38.1	57.1
77	23.8	17.7	26.5

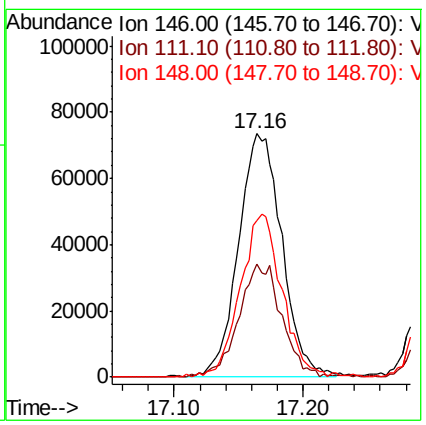


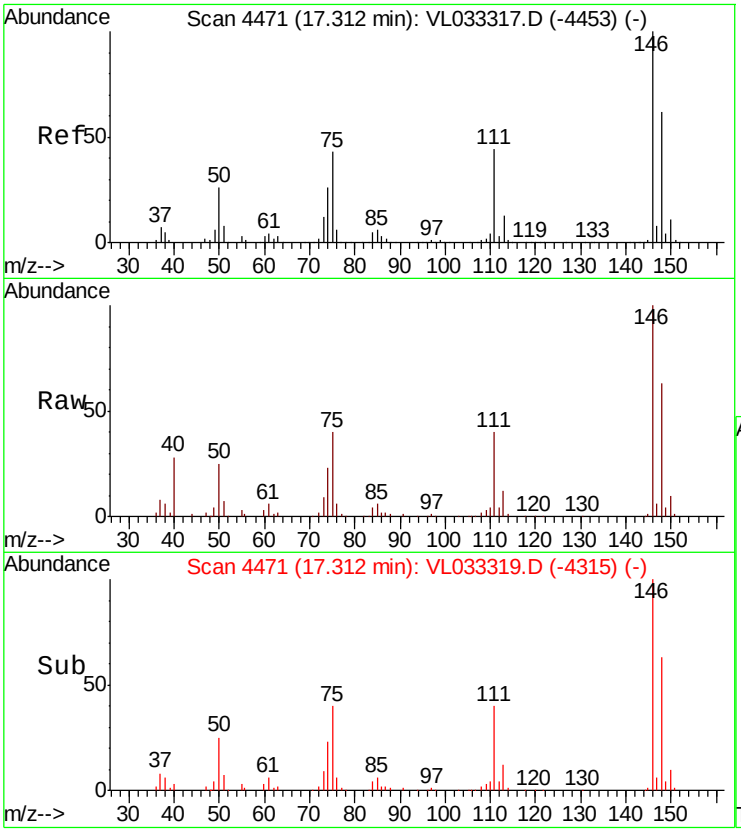


#75
1,3-Dichlorobenzene
Concen: 1.118 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:146 Resp: 172047

Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.7
148	64.7	32.2	96.6



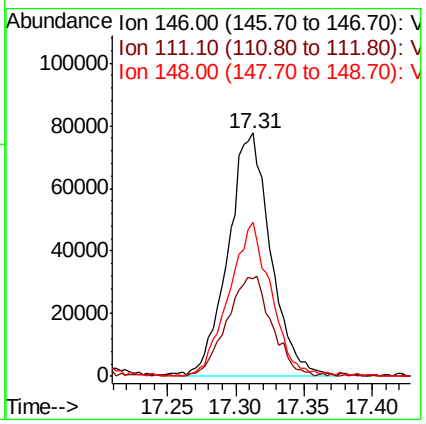


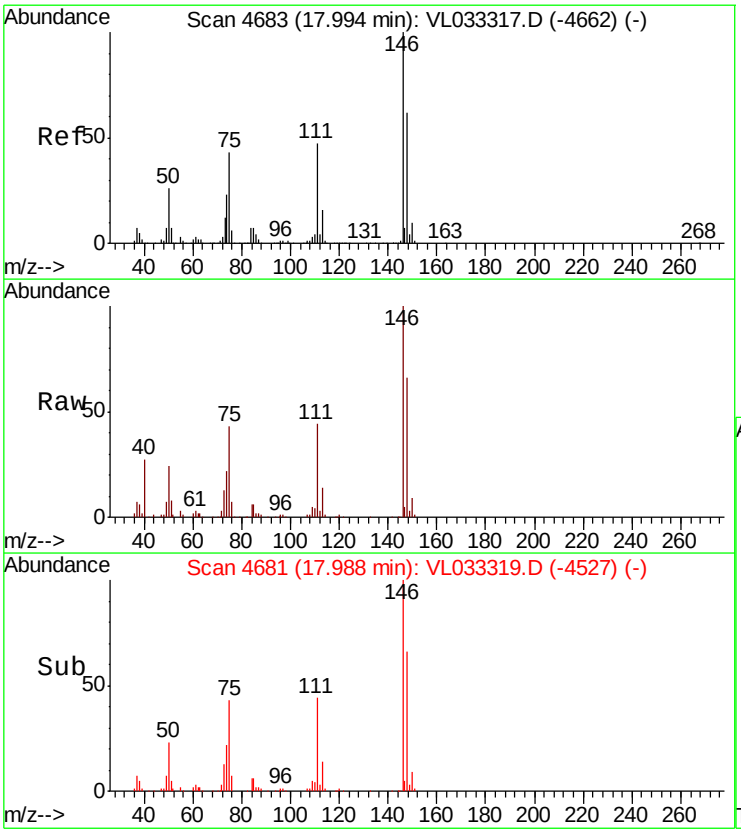
#76
1,4-Dichlorobenzene
Concen: 1.119 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 168316

Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.5	67.5
148	63.5	32.3	96.8

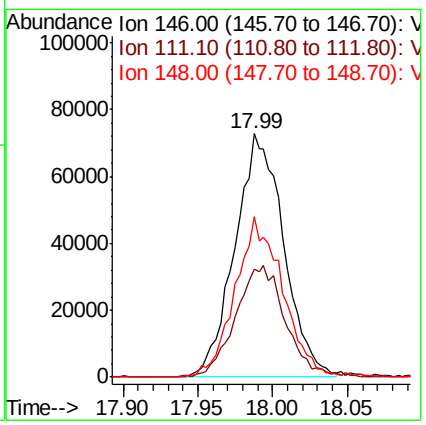


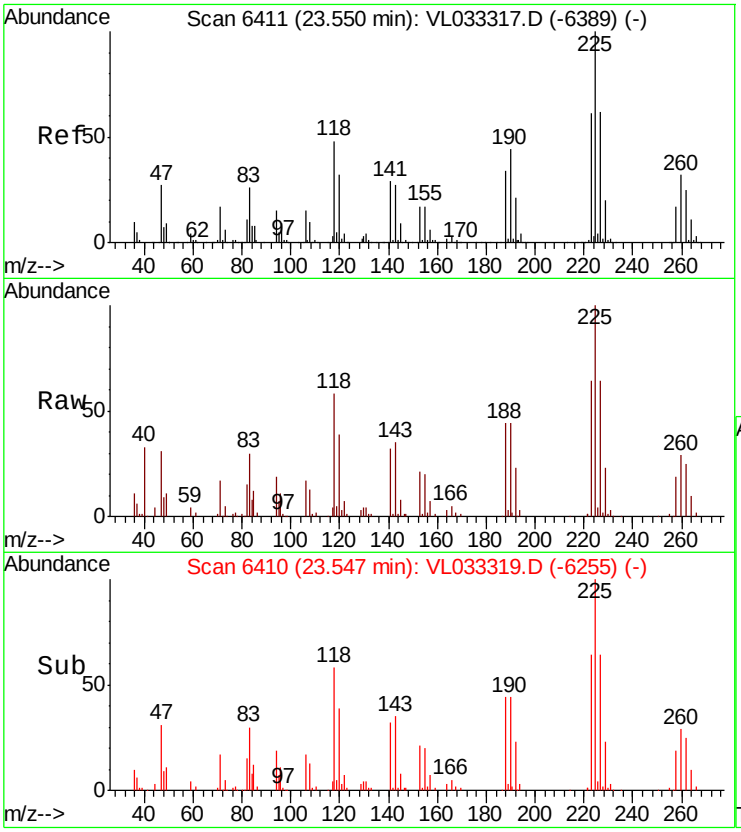


#77
1,2-Dichlorobenzene
Concen: 1.098 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. -0.01 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:146 Resp: 165124

Ion	Ratio	Lower	Upper
146	100		
111	46.7	23.6	71.0
148	64.2	31.6	95.0



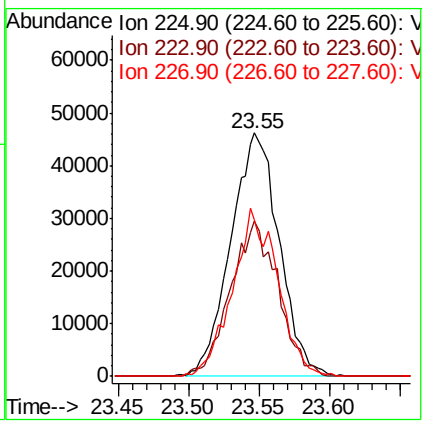


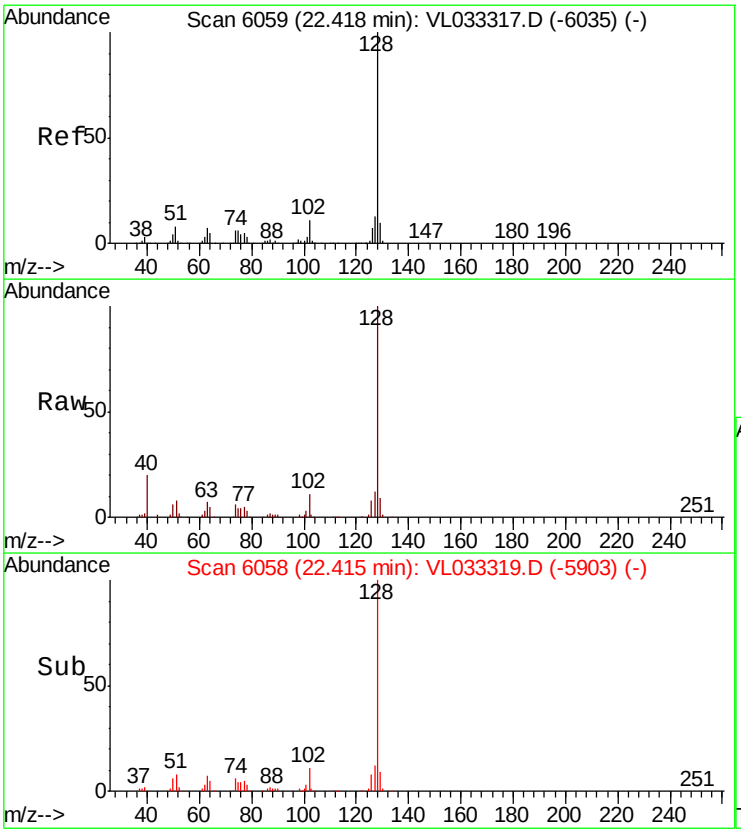
#78
Hexachloro-1,3-Butadiene
Concen: 1.075 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:225 Resp: 111012

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.5	75.7
227	64.3	50.9	76.3

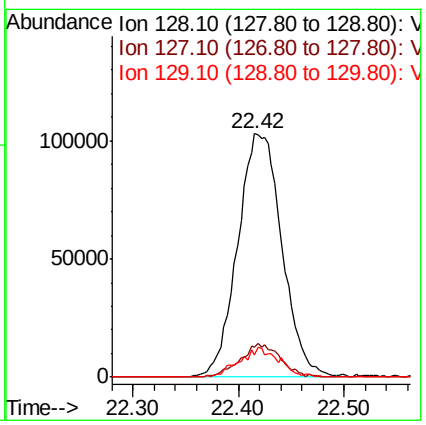


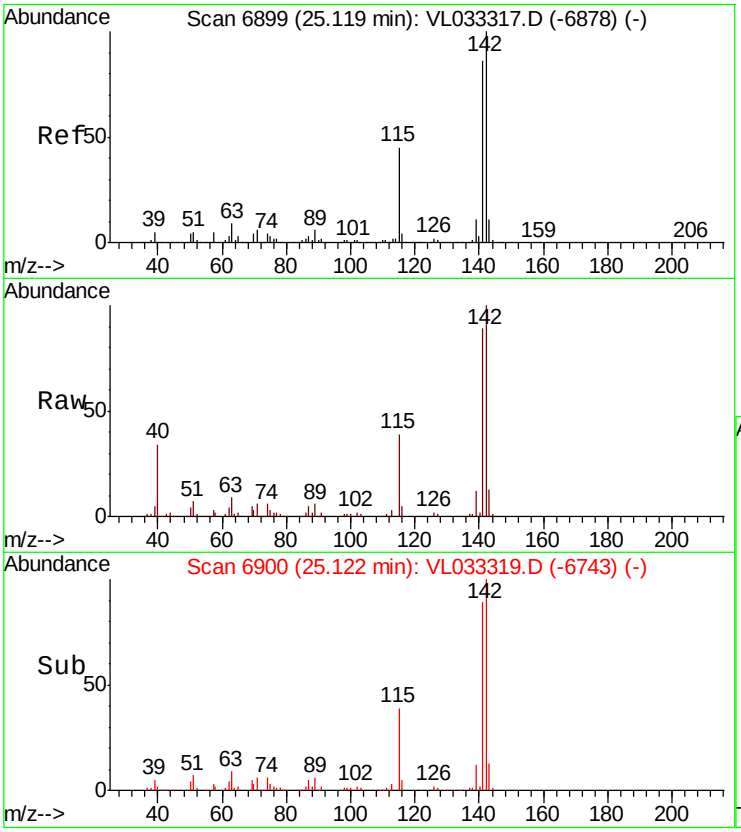


#79
Naphthalene
Concen: 1.494 ppbv
RT: 22.42 min Scan# 6058
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:128 Resp: 298737

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	9.3	8.3	12.5



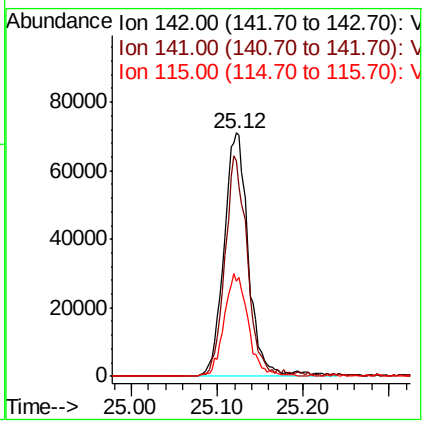


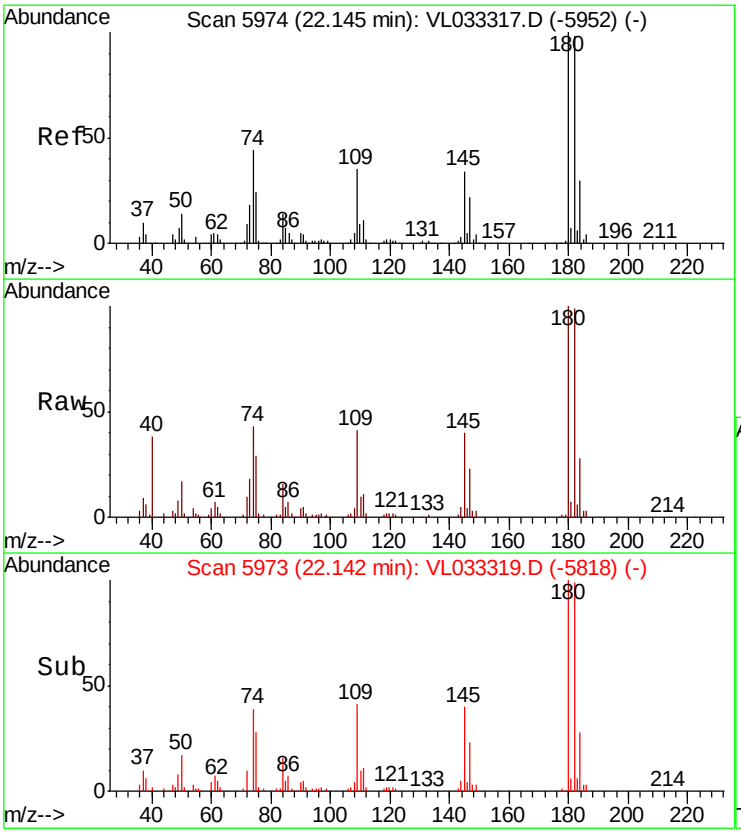
#80
Naphthalene,2-methyl-
Concen: 2.434 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:142 Resp: 140744

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.4	101.0
115	41.2	33.8	50.8





#81
1,2,4-Trichlorobenzene
Concen: 0.110 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.00 min
Lab File: VL033319.D
Acq: 15 Mar 2019 4:13

Tgt Ion:180 Resp: 12458

Ion	Ratio	Lower	Upper
180	100		
182	1226.7	76.6	114.8#
184	396.7	24.3	36.5#