Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020419\

Quantitation Report (Not Reviewed)

Data File : VL033152.D
Acq On : 4 Feb 2019 11:20
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 04 11:54:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 01 22:01:04 2019
QLast Update : Fri Feb 01 22:01:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1497053	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3442749	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	4270034	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2641756	8.19	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	238523	1.062	ppbv		99
3) Chlorodifluoromethane	3.01	51	156078	0.648	ppbv		98
4) Chloromethane	3.17	50	85256	0.615	ppbv		95
5) Vinyl Chloride	3.29	62	79401	0.524	ppbv		89
6) Bromomethane	3.51	94	47545	0.712	ppbv		85
7) Chloroethane	3.60	64	27415	0.670	ppbv	#	76
8) Dichlorotetrafluoroethane	3.22	85	190350	0.686	ppbv		98
9) Propene	3.04	41	76992	0.626	ppbv		100
10) Heptane	8.24	43	144175	0.629	ppbv	#	48
11) Trichlorofluoromethane	4.00	101	196429	0.831	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	131545	0.875	ppbv		97
13) Ethanol	3.65	45	45184	1.298	ppbv		97
14) Bromoethene	3.79	108	57387	0.754	ppbv		97
15) Acetone	3.90	43	177404	0.935	ppbv		100
16) 1,3-Butadiene	3.36	39	63474	0.698	ppbv		94
17) tert-Butyl alcohol	4.37	59	37768	0.825	ppbv		100
18) 1,1-Dichloroethene	4.35	96	58008	0.799	ppbv		93
19) Isopropyl Alcohol	4.03	45	124912	0.861	ppbv	#	47
20) Methylene Chloride	4.41	84	60965	0.830	ppbv		98
21) Allyl Chloride	4.48	41	95635	0.784	ppbv		98
22) trans-1,2-Dichloroethene	4.96	96	56376	0.833	ppbv		96
23) Vinyl Acetate	5.15	43	271761	0.825	ppbv	#	97
24) 1,1-Dichloroethane	5.09	63	184095	0.837	ppbv		99
25) Ethyl Acetate	5.77	43	399575	0.983	ppbv		99
26) Hexane	5.78	57	188151	0.945	ppbv		99
27) Carbon Disulfide	4.62	76	131410	0.818	ppbv	#	88
28) Methyl tert-Butyl Ether	5.12	73	236751	0.828	ppbv		99
29) Chloroform	5.84	83	262733	0.977	ppbv		99
30) Cyclohexane	7.25	84	157558	1.021	ppbv	#	79
31) cis-1,2-Dichloroethene	5.64	61	179952	0.990	ppbv		95
32) 1,1,1-Trichloroethane	6.62	97	244407	0.881	ppbv	#	83
34) 2-Butanone	5.33	43	273150	1.038	ppbv		98
35) Carbon Tetrachloride	7.13	117	238669	0.924	ppbv		94
36) Benzene	7.00	78	378768	0.981	ppbv		96
37) 1,2-Dichloroethane	6.41	62	196144	0.998	ppbv		100
38) Trichloroethene	7.96	130	134195	0.863	ppbv		96
39) 1,2-Dichloropropane	7.73	63	142663	1.008	ppbv		95
40) 1,4-Dioxane	7.97	88	59523	1.195	ppbv		87
41) Tetrahydrofuran	6.16	42	152212	0.963	ppbv		98
42) Bromodichloromethane	7.91	83	276368	0.986	ppbv		92
43) Methyl Methacrylate	8.14	69	147330	1.089	ppbv		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020419\

Quantitation Report (Not Reviewed)

Data File : VL033152.D
Acq On : 4 Feb 2019 11:20
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 04 11:54:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 01 22:01:04 2019
QLast Update : Fri Feb 01 22:01:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	647734	1.040	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	204923	1.254	ppbv		98
46) cis-1,3-Dichloropropene	8.83	75	244397	1.247	ppbv		91
47) 1,1,2-Trichloroethane	9.61	97	190218	1.474	ppbv		97
48) Dibromochloromethane	10.44	129	262835	1.222	ppbv		99
49) Bromoform	13.20	173	210818	1.181	ppbv		98
50) 4-Methyl-2-Pentanone	8.88	43	524422	1.534	ppbv		98
51) 2-Hexanone	10.28	43	449585	1.476	ppbv	#	99
52) Tetrachloroethene	11.37	164	149503	1.021	ppbv		95
53) Toluene	9.94	91	541468	1.225	ppbv		98
54) 1,2-Dibromoethane	10.76	107	277723	1.144	ppbv		95
56) 1,1,1,2-Tetrachloroethane	12.28	131	201406	1.060	ppbv	#	1
57) Chlorobenzene	12.30	112	402897	1.072	ppbv		96
58) Ethyl Benzene	12.86	91	723765	1.033	ppbv		97
59) m/p-Xylene	13.12	91	666260	1.166	ppbv	#	47
60) o-Xylene	13.85	91	488162	0.884	ppbv		95
61) Styrene	13.68	104	438092	1.034	ppbv		98
62) Isopropylbenzene	14.83	105	675475	0.860	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.84	83	344845	0.827	ppbv		98
64) n-propylbenzene	15.73	120	66028	0.328	ppbv	#	1
65) tert-Butylbenzene	16.91	119	632236	0.956	ppbv		96
66) Benzyl Chloride	17.15	91	227425	0.768	ppbv		97
67) sec-Butylbenzene	17.46	105	897884	0.956	ppbv		99
69) p-Isopropyltoluene	17.82	119	734001	0.992	ppbv		98
70) n-Butylbenzene	18.72	91	802035	1.065	ppbv		98
71) 2-Chlorotoluene	15.62	91	534702	0.894	ppbv		98
72) 4-Ethyltoluene	16.00	105	566019	0.914	ppbv		99
73) 1,3,5-Trimethylbenzene	16.15	105	559669	1.002	ppbv		97
74) 1,2,4-Trimethylbenzene	16.92	105	574098	1.044	ppbv		95
75) 1,3-Dichlorobenzene	17.16	146	314280	0.959	ppbv		99
76) 1,4-Dichlorobenzene	17.30	146	309549	0.946	ppbv		98
77) 1,2-Dichlorobenzene	17.99	146	307892	0.974	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	66203	0.452	ppbv	#	4
79) Naphthalene	22.42	128	678320	1.881	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	355142	3.339	ppbv		99
81) 1,2,4-Trichlorobenzene	22.13	180	173897	0.916	ppbv	#	35

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

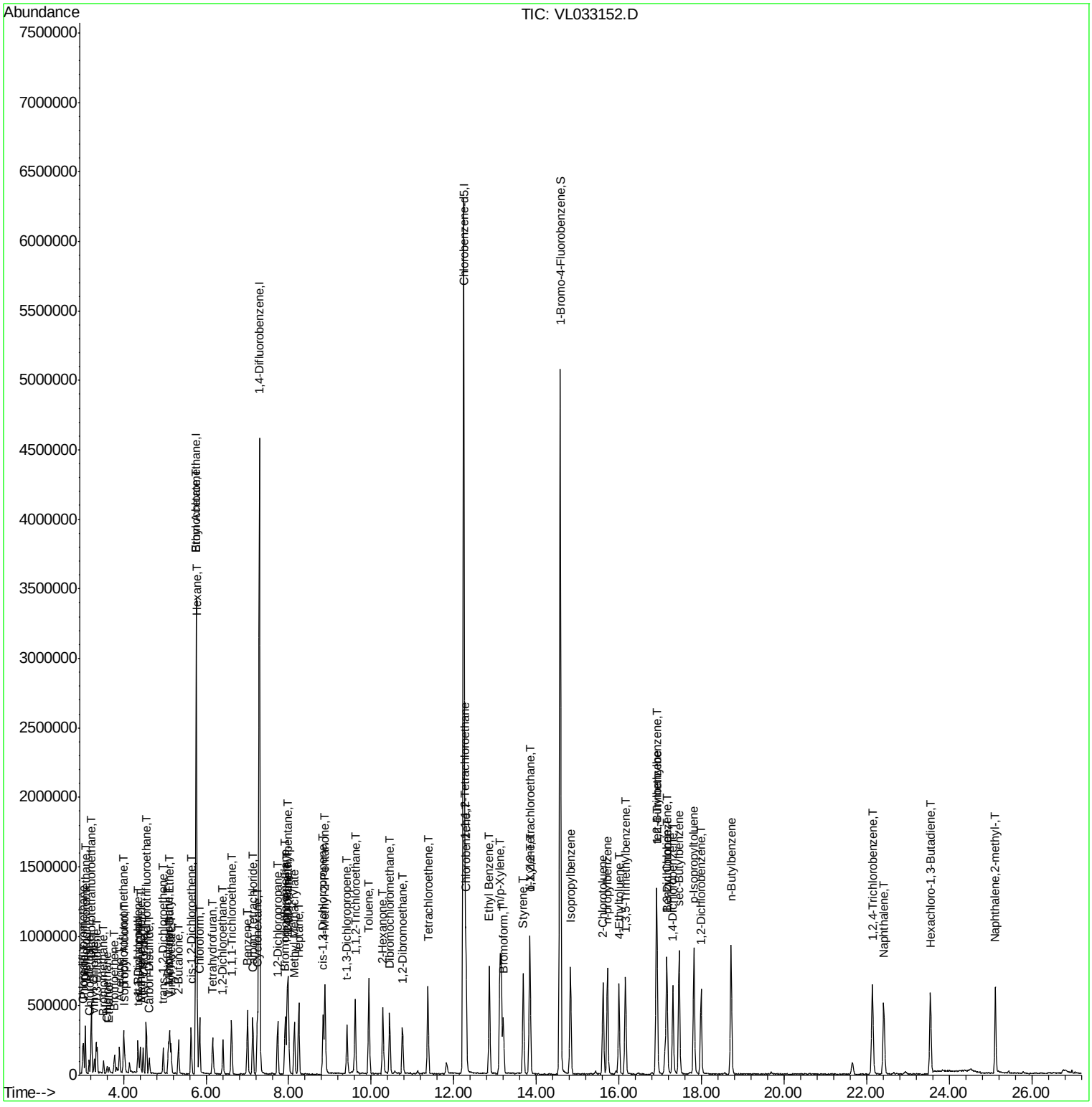
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020419\

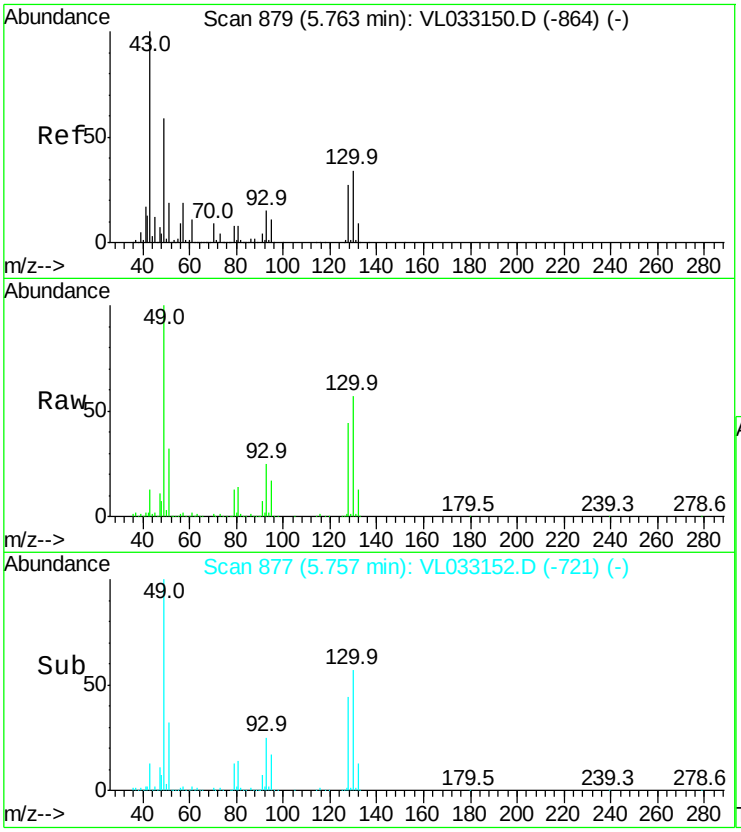
Quantitation Report (Not Reviewed)

Data File : VL033152.D
Acq On : 4 Feb 2019 11:20
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Quant Time: Feb 04 11:54:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Feb 01 22:01:04 2019
QLast Update : Fri Feb 01 22:01:04 2019
Response via : Initial Calibration



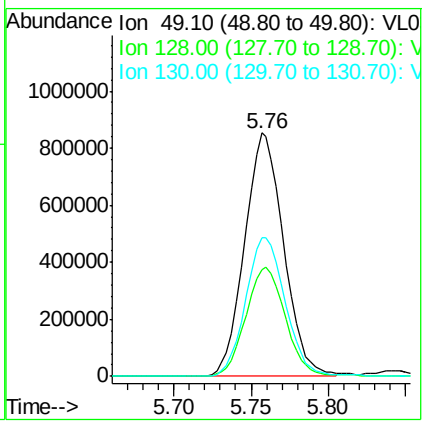


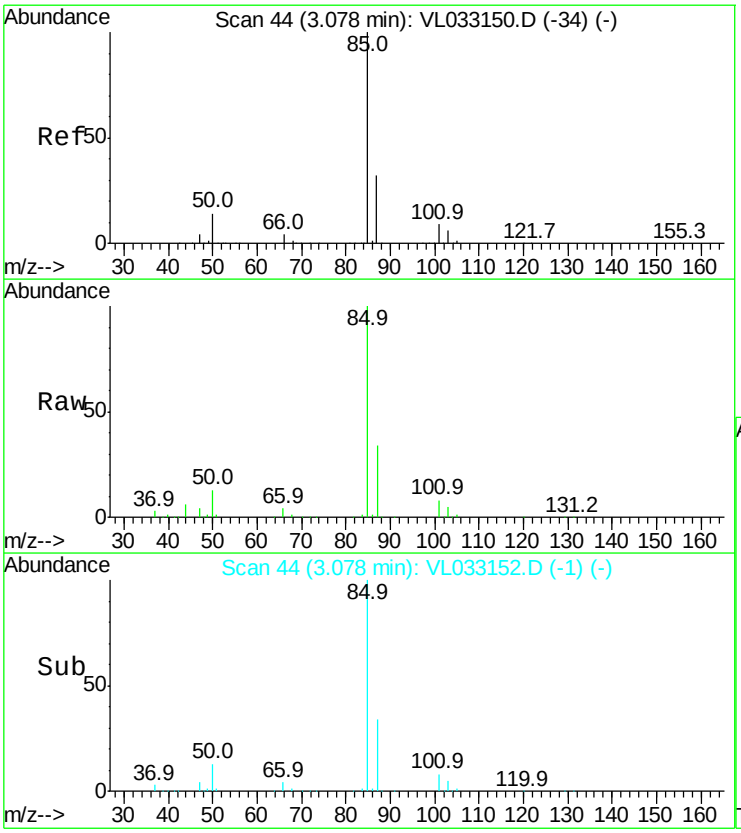
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1497053

Ion	Ratio	Lower	Upper
49	100		
128	46.2	23.2	69.5
130	58.7	29.5	88.6

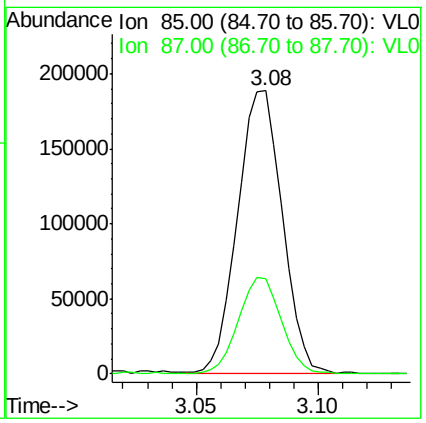


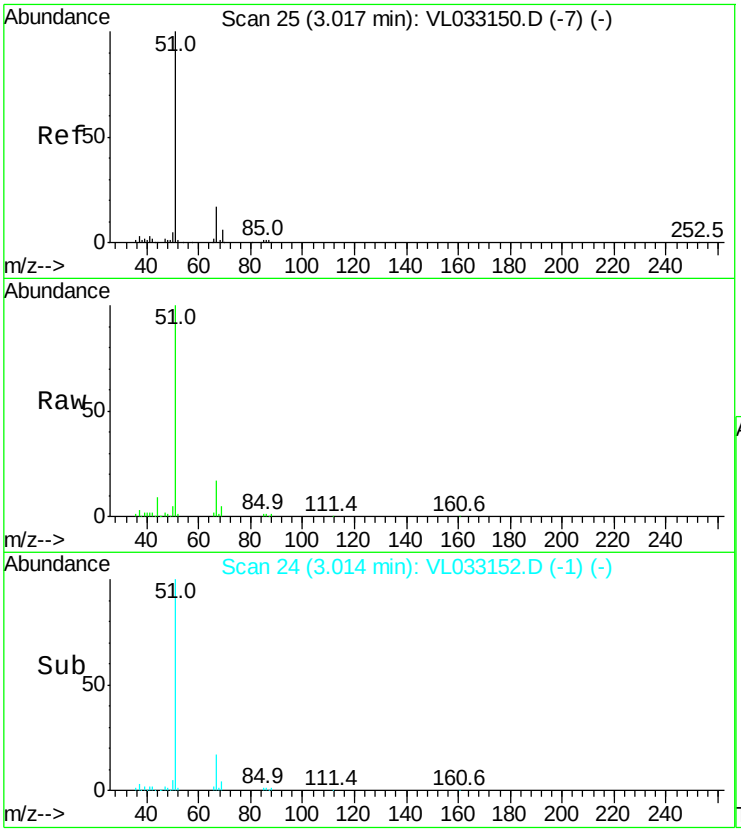


#2
Dichlorodifluoromethane
Concen: 1.062 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 85 Resp: 238523

Ion	Ratio	Lower	Upper
85	100		
87	33.5	27.4	41.0

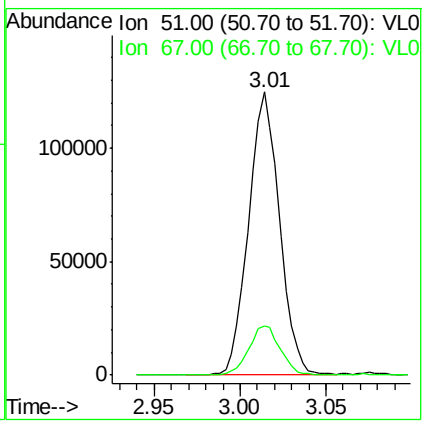




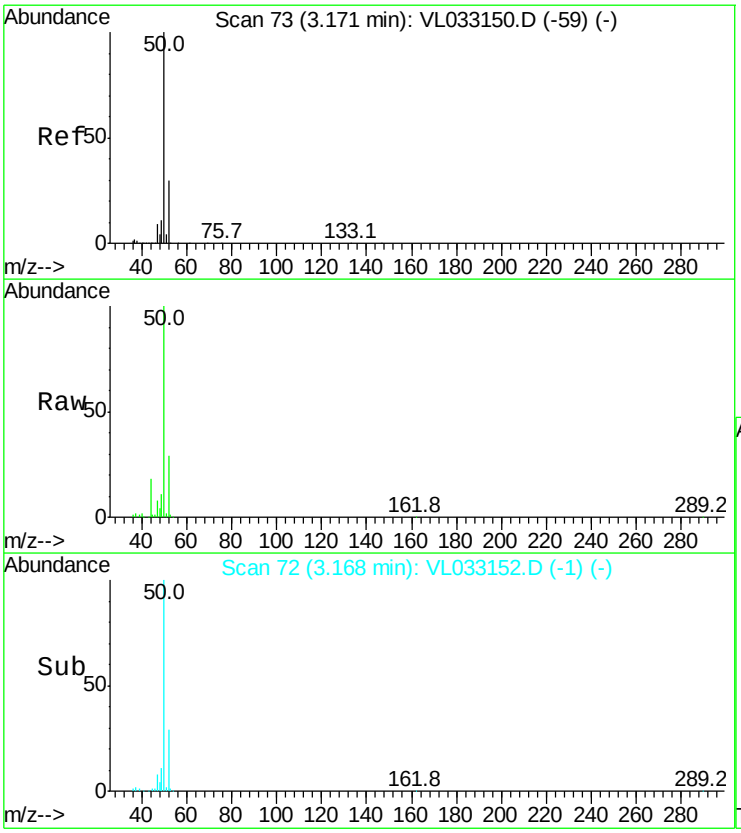
#3
Chlorodifluoromethane
Concen: 0.648 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 51 Resp: 156078

Ion	Ratio	Lower	Upper
51	100		
67	17.5	13.4	20.2



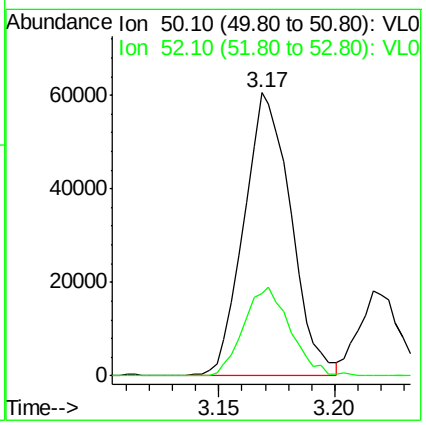
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

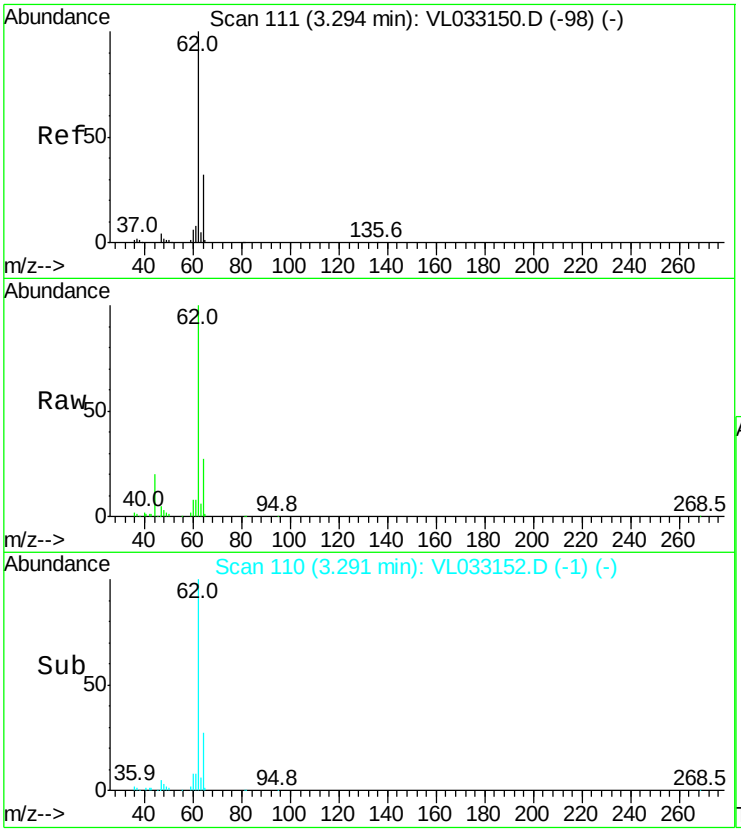


#4
Chloromethane
Concen: 0.615 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 50 Resp: 85256

Ion	Ratio	Lower	Upper
50	100		
52	29.4	25.7	38.5



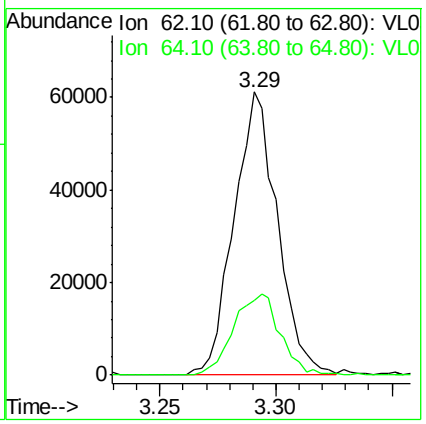


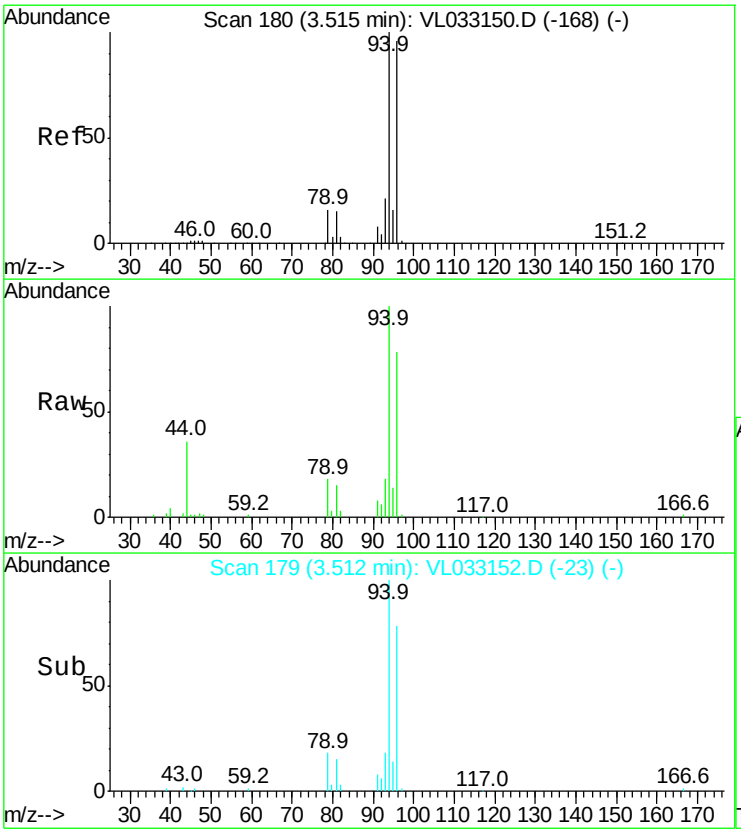
#5
Vinyl Chloride
Concen: 0.524 ppbv
RT: 3.29 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 62 Resp: 79401

Ion	Ratio	Lower	Upper
62	100		
64	26.5	26.3	39.5

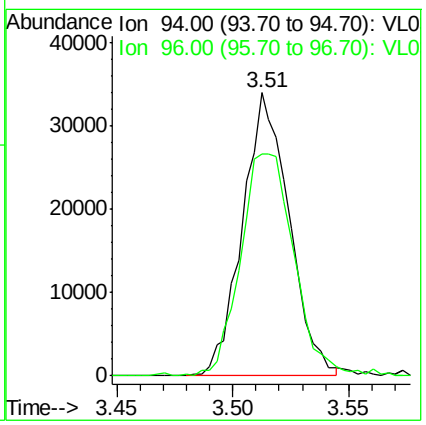


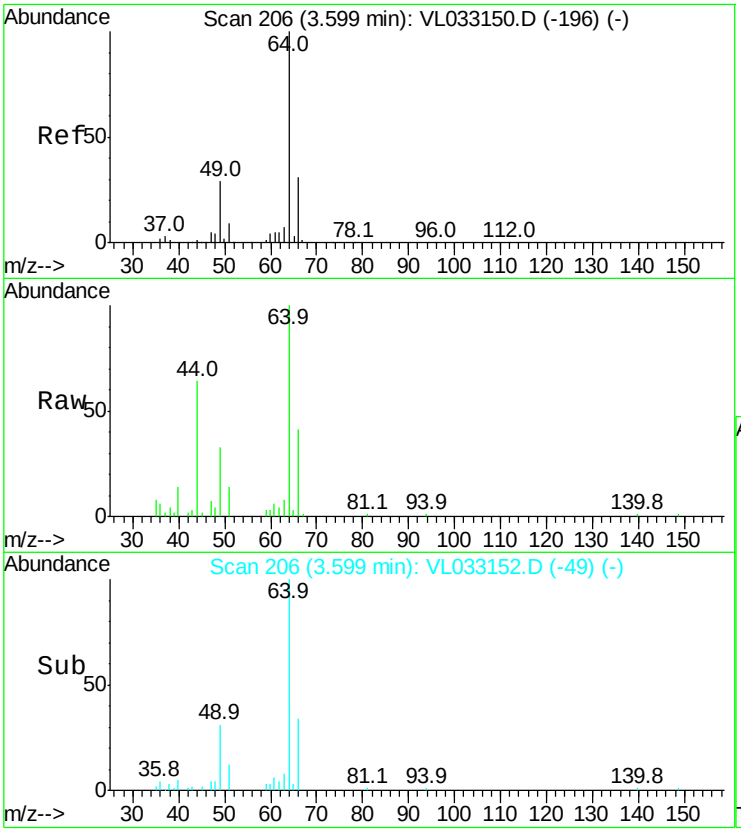


#6
Bromomethane
Concen: 0.712 ppbv
RT: 3.51 min Scan# 179
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 94 Resp: 47545

Ion	Ratio	Lower	Upper
94	100		
96	77.8	74.0	111.0



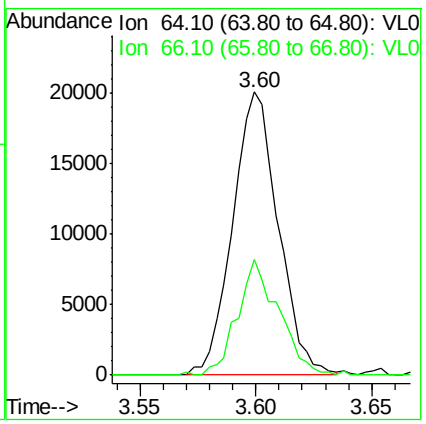


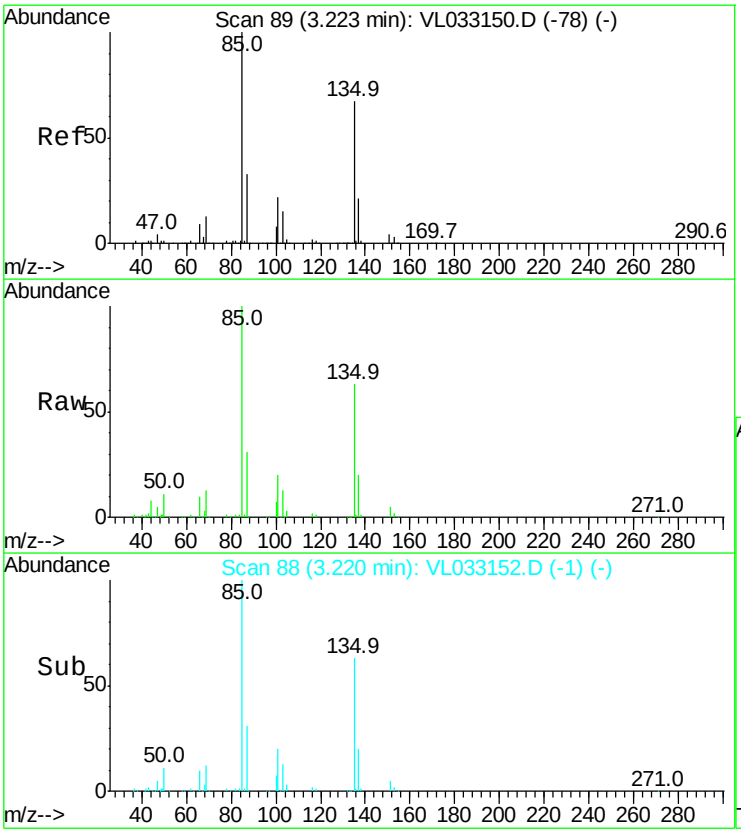
#7
Chloroethane
Concen: 0.670 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 27415

Ion	Ratio	Lower	Upper
64	100		
66	40.8	22.3	33.5#

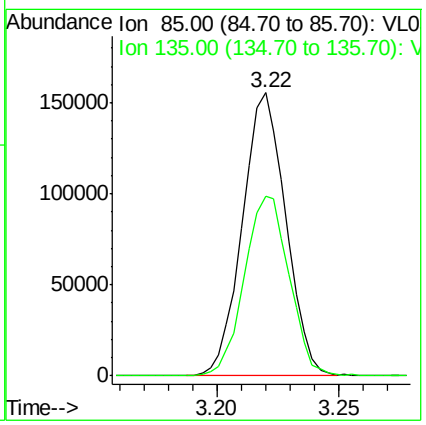


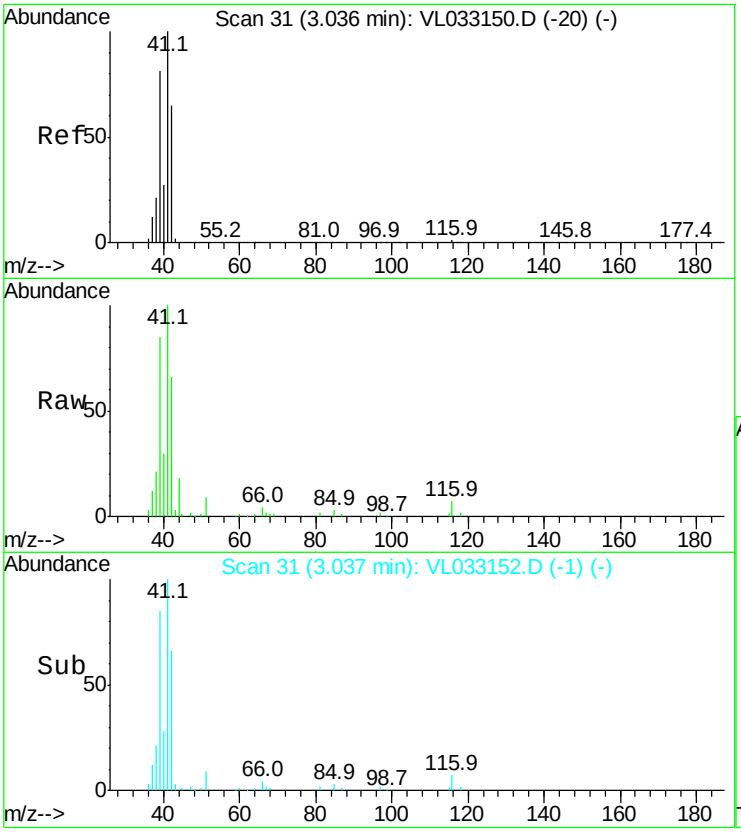


#8
Dichlorotetrafluoroethane
Concen: 0.686 ppbv
RT: 3.22 min Scan# 88
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 85 Resp: 190350

Ion	Ratio	Lower	Upper
85	100		
135	66.0	54.0	81.0



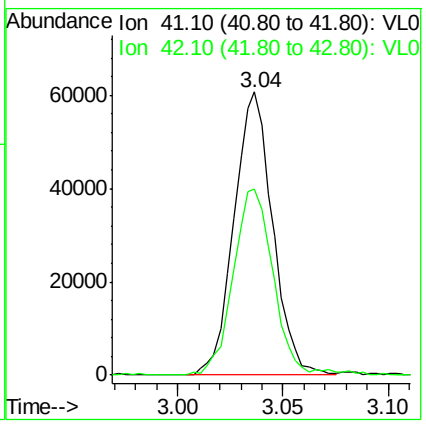


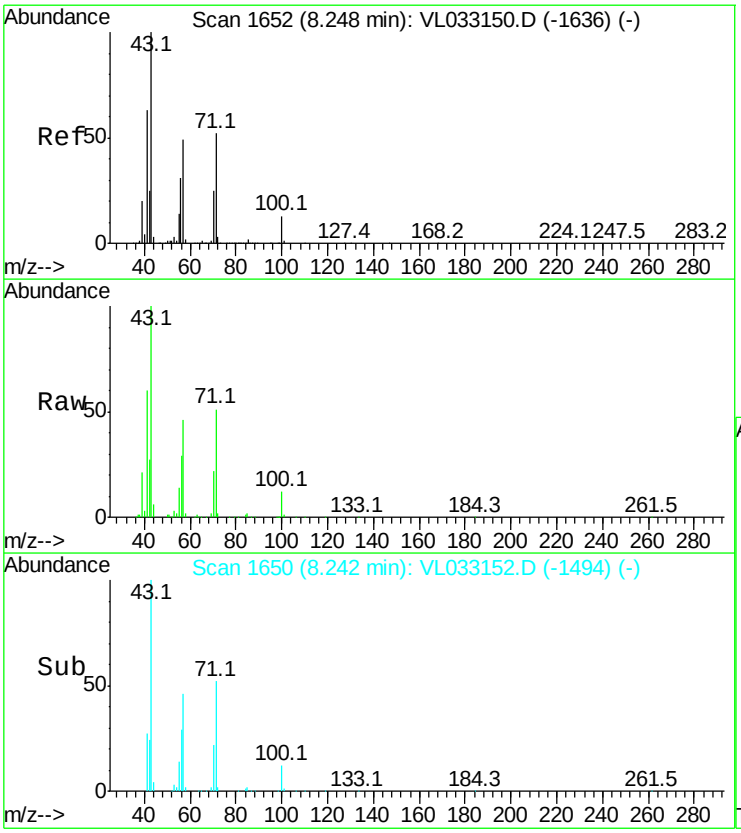
#9
Propene
Concen: 0.626 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 76992

Ion	Ratio	Lower	Upper
41	100		
42	69.2	55.1	82.7

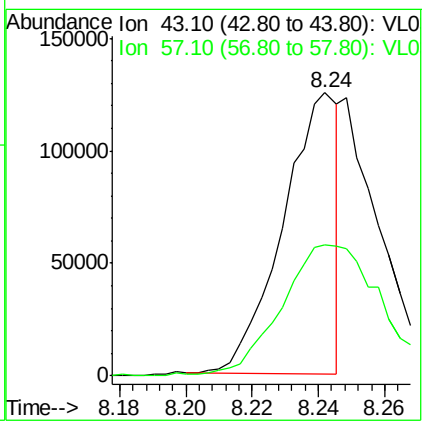


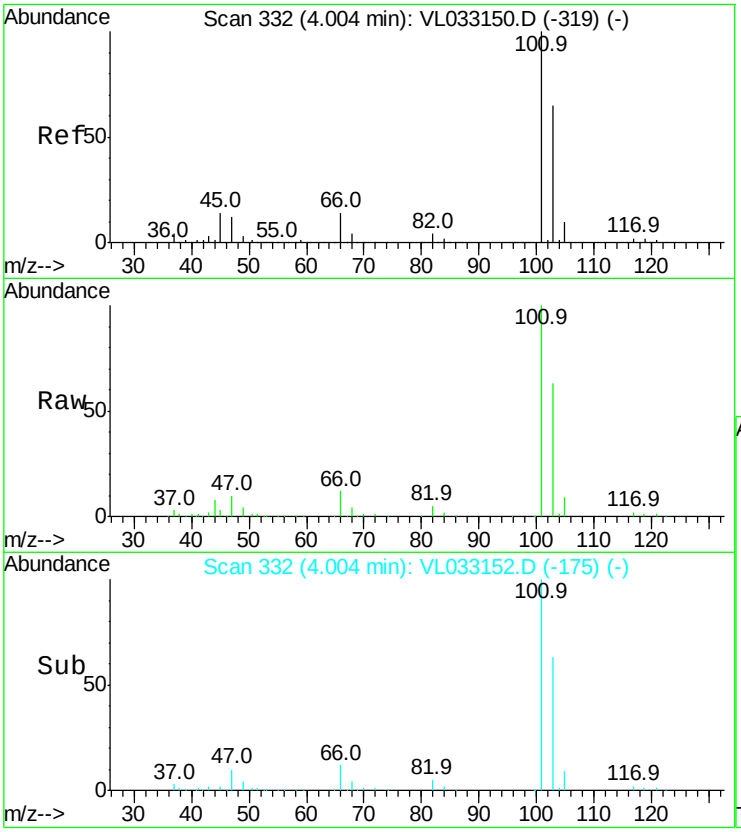


#10
Heptane
Concen: 0.629 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 43 Resp: 144175

Ion	Ratio	Lower	Upper
43	100		
57	84.3	39.3	58.9#



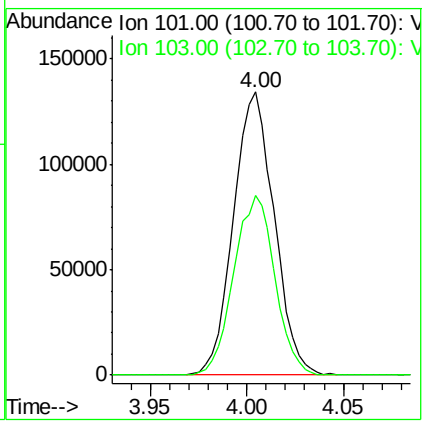


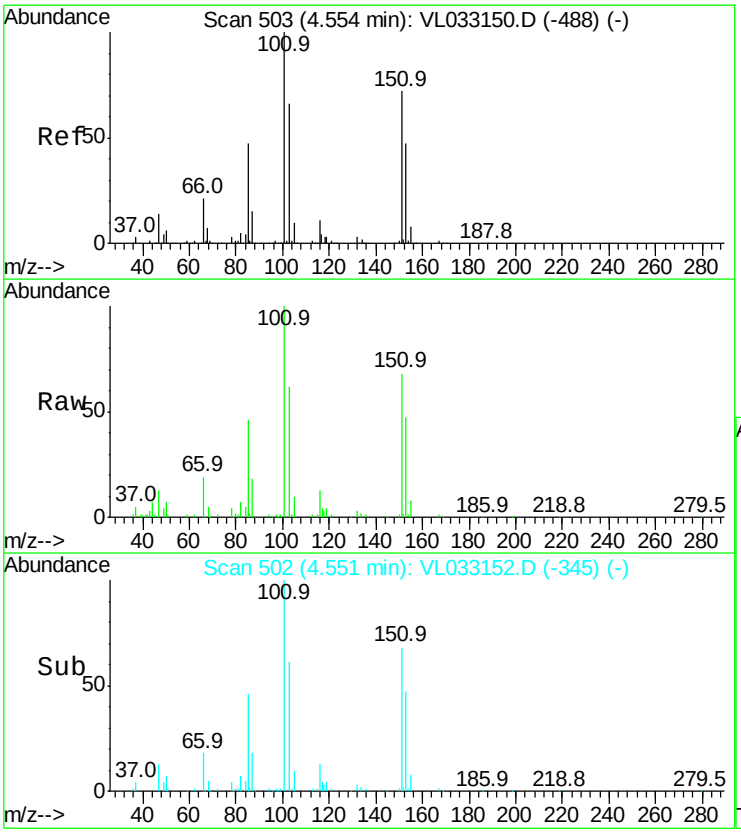
#11
Trichlorofluoromethane
Concen: 0.831 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 196429

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.3	76.9

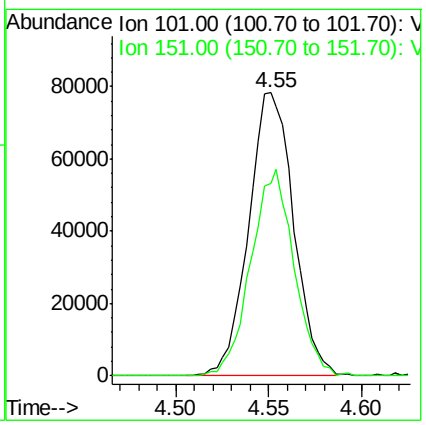


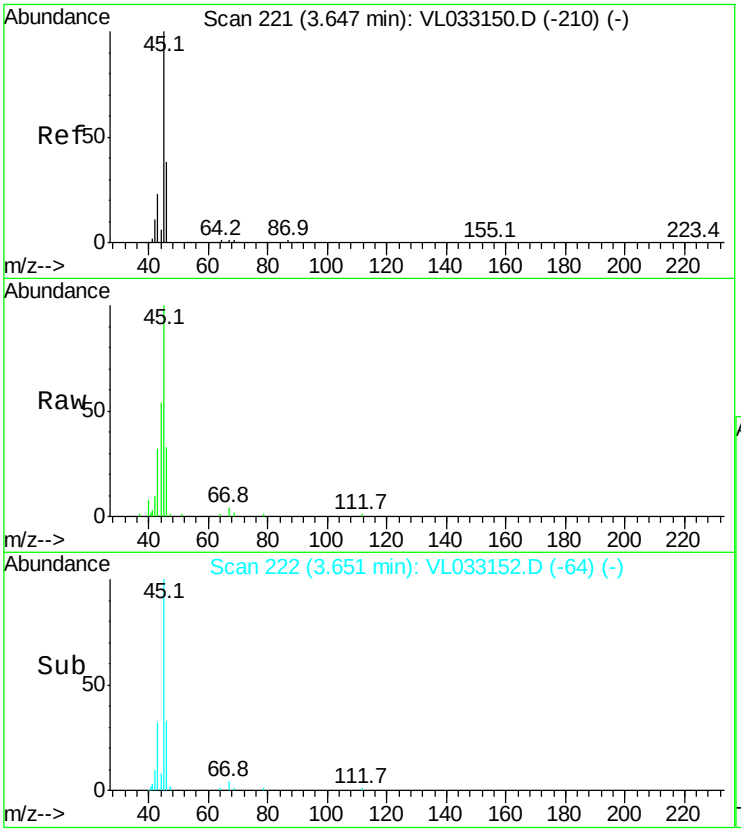


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.875 ppbv
RT: 4.55 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:101 Resp: 131545

Ion	Ratio	Lower	Upper
101	100		
151	70.1	57.9	86.9



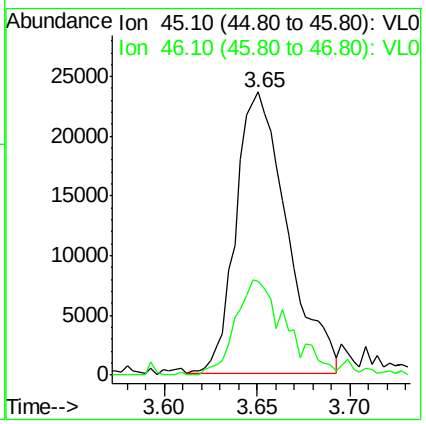


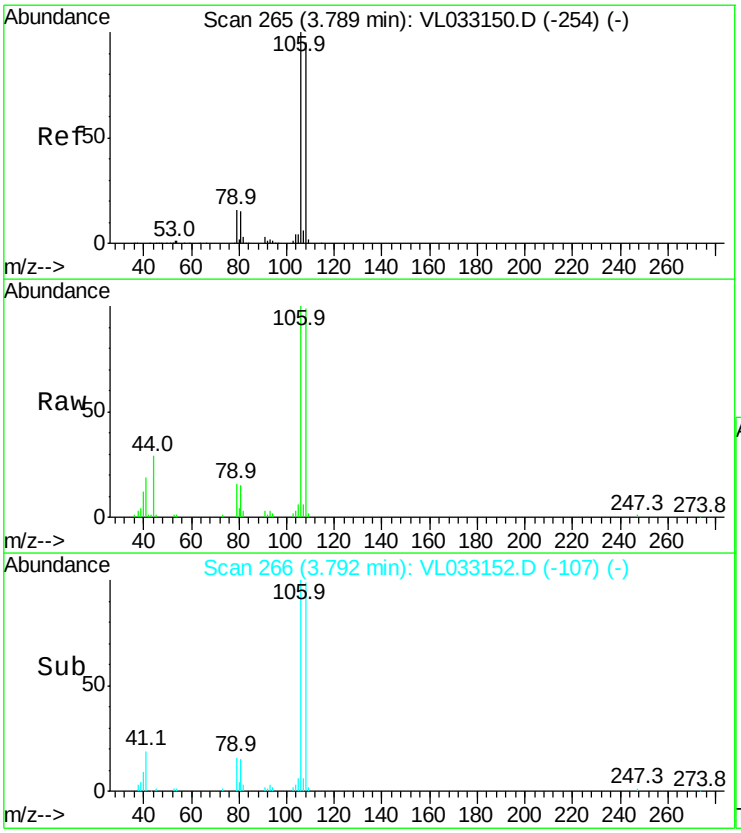
#13
Ethanol
Concen: 1.298 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 45184

Ion	Ratio	Lower	Upper
45	100		
46	36.9	14.0	56.2

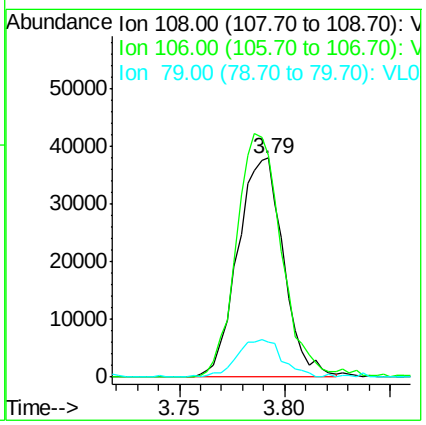


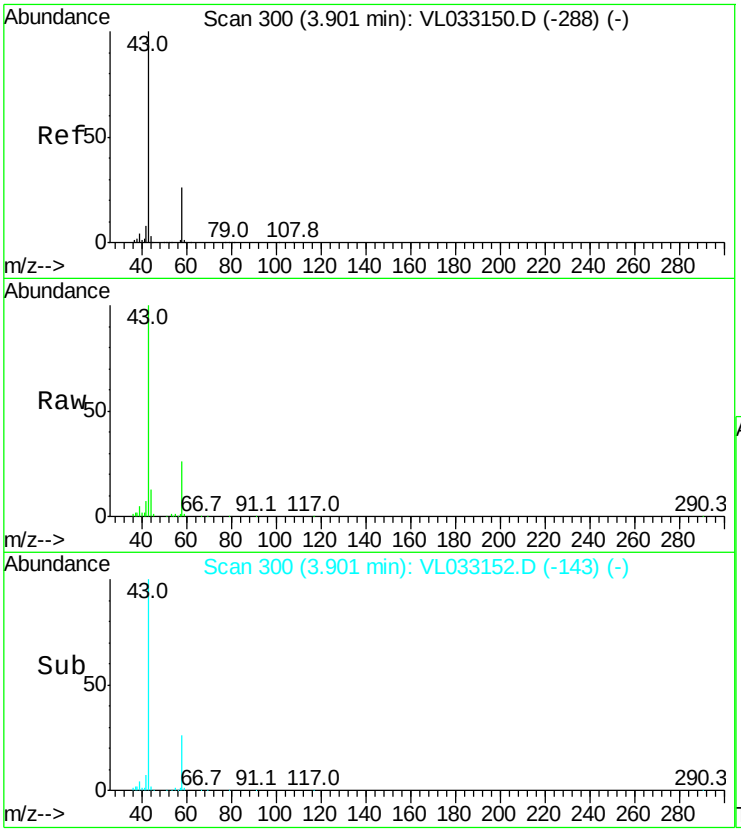


#14
Bromoethene
Concen: 0.754 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:108 Resp: 57387

Ion	Ratio	Lower	Upper
108	100		
106	110.4	85.6	128.4
79	17.8	14.2	21.4



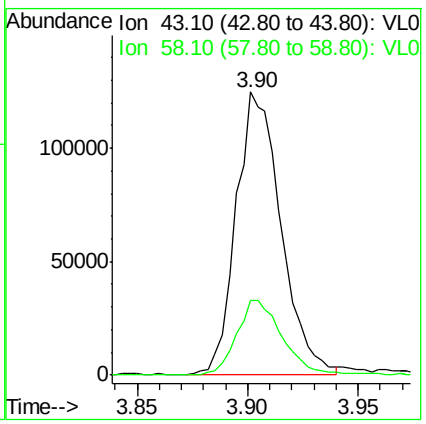


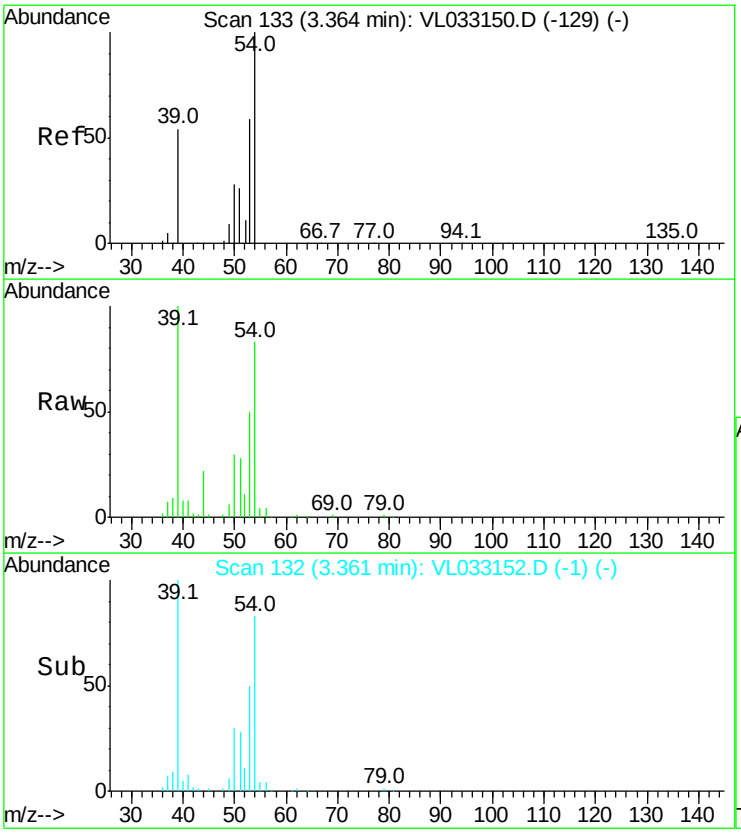
#15
Acetone
Concen: 0.935 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 177404

Ion	Ratio	Lower	Upper
43	100		
58	27.4	21.8	32.6

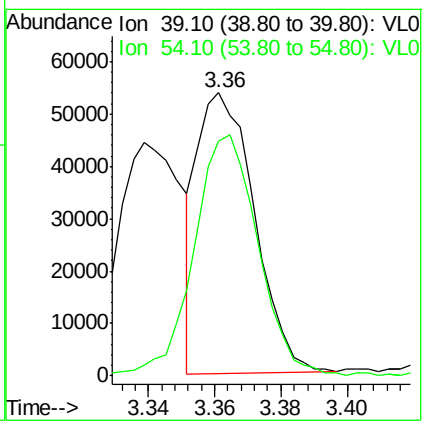


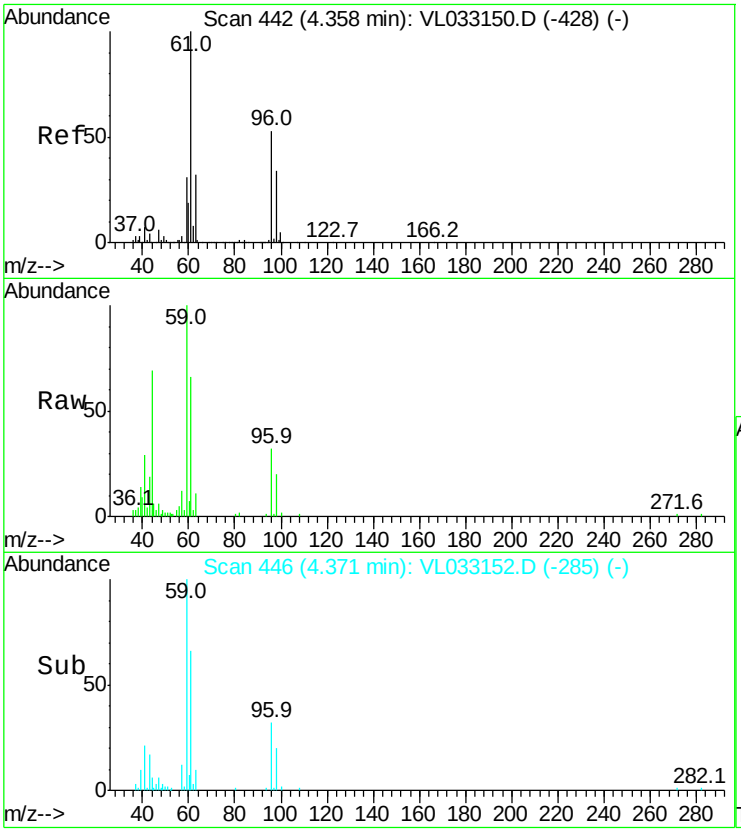


#16
1,3-Butadiene
Concen: 0.698 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 39 Resp: 63474

Ion	Ratio	Lower	Upper
39	100		
54	99.3	75.0	112.6



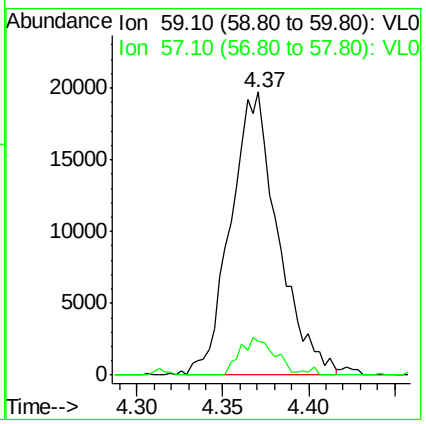


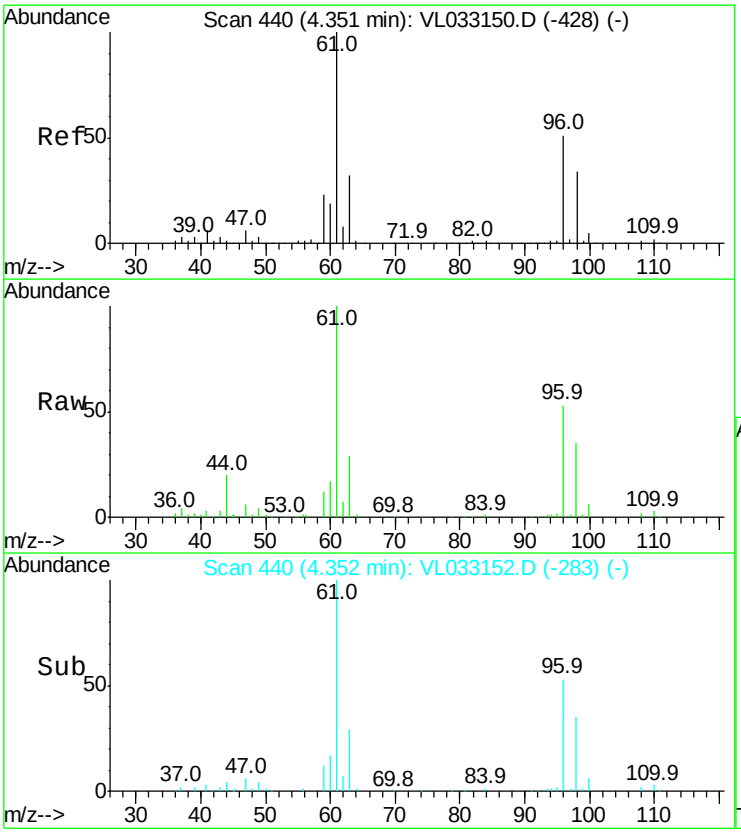
#17
tert-Butyl alcohol
Concen: 0.825 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.02 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 37768

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.0	12.0

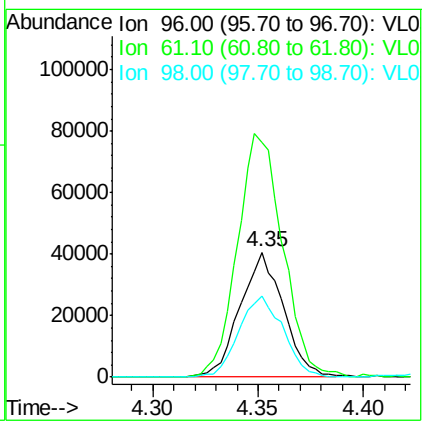


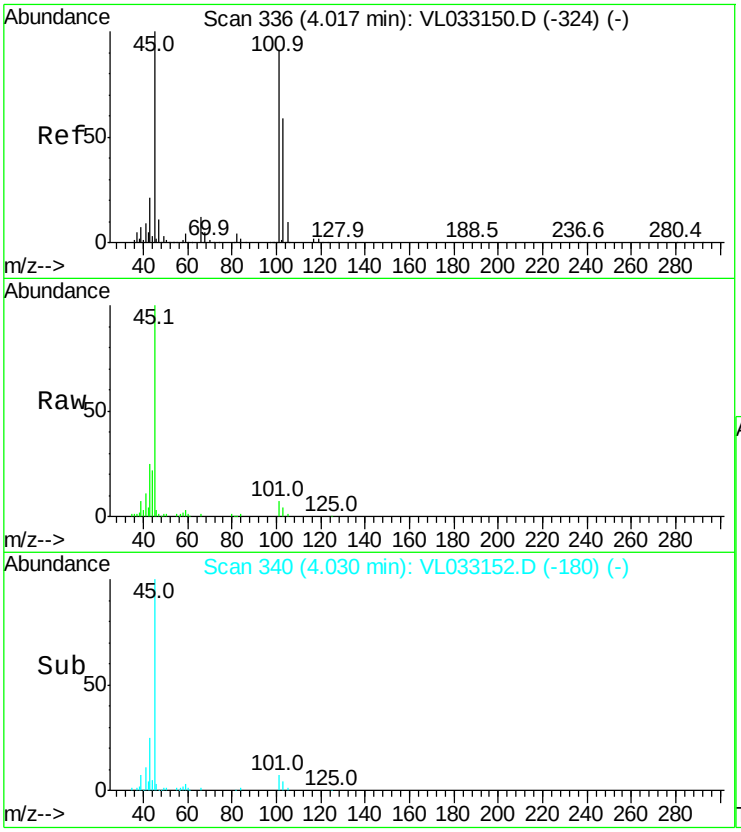


#18
1,1-Dichloroethene
Concen: 0.799 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 96 Resp: 58008

Ion	Ratio	Lower	Upper
96	100		
61	187.8	158.5	237.7
98	65.0	47.8	71.6



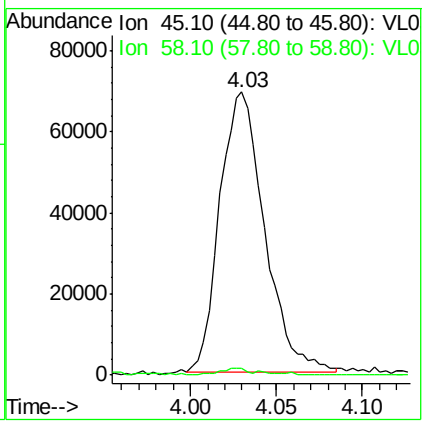


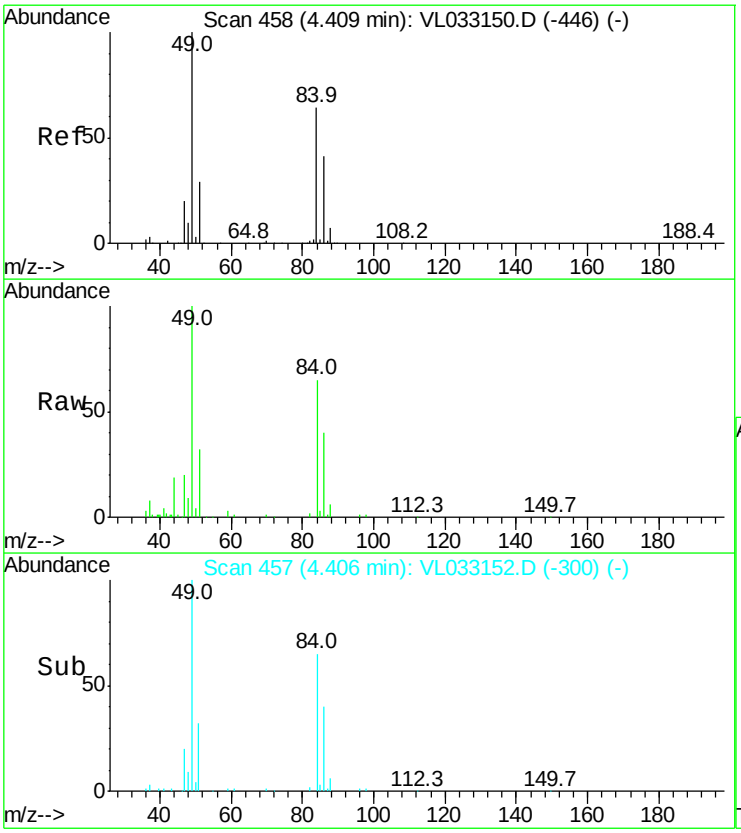
#19
Isopropyl Alcohol
Concen: 0.861 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 124912

Ion	Ratio	Lower	Upper
45	100		
58	2.3	25.1	37.7#

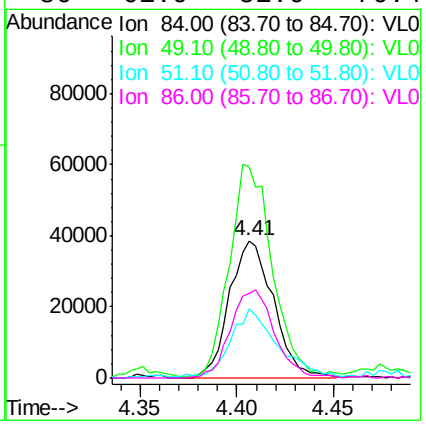


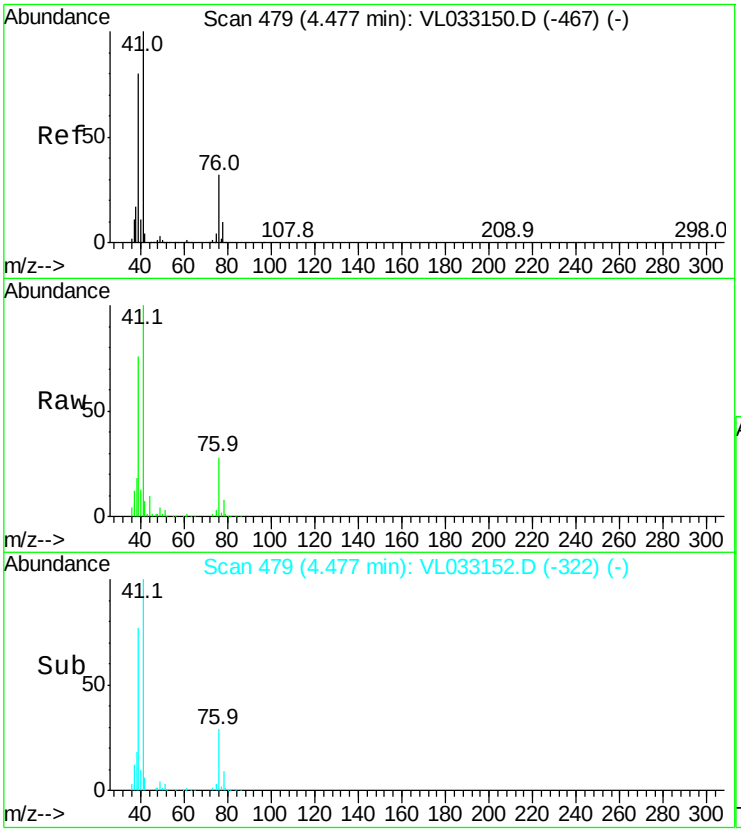


#20
Methylene Chloride
Concen: 0.830 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 84 Resp: 60965

Ion	Ratio	Lower	Upper
84	100		
49	153.5	121.1	181.7
51	47.7	37.5	56.3
86	61.9	51.0	76.4



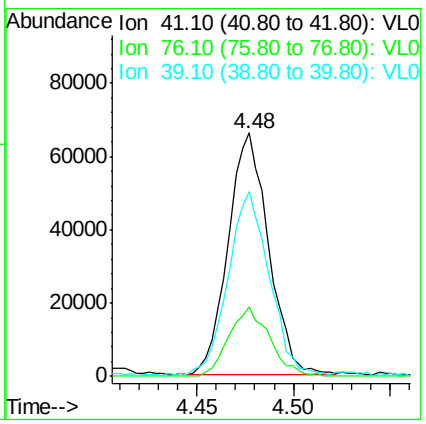


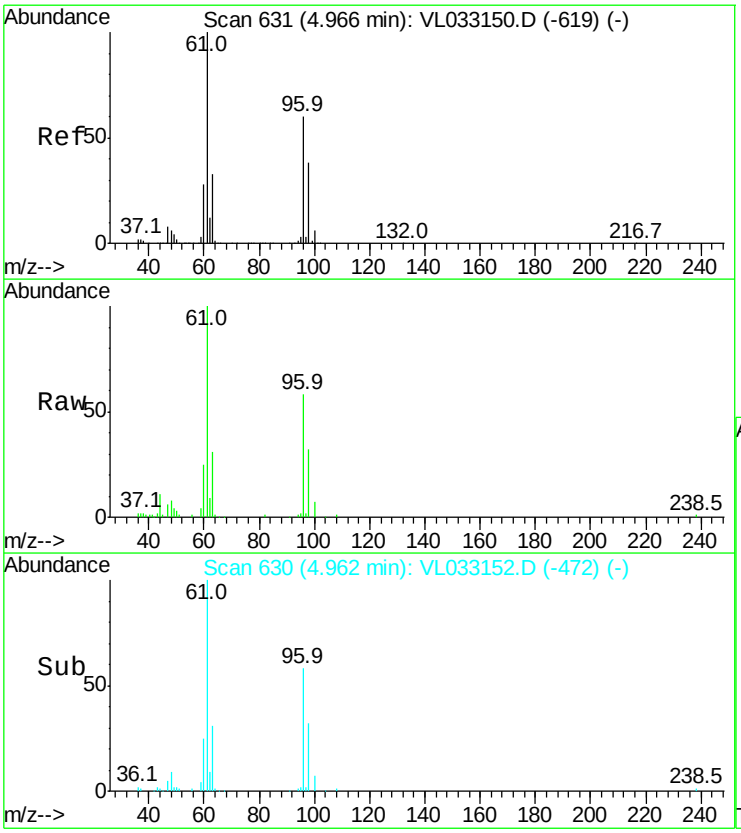
#21
Allyl Chloride
Concen: 0.784 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 95635

Ion	Ratio	Lower	Upper
41	100		
76	29.0	23.2	34.8
39	79.6	61.8	92.6

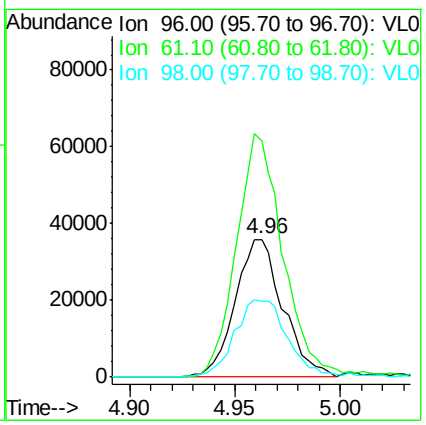


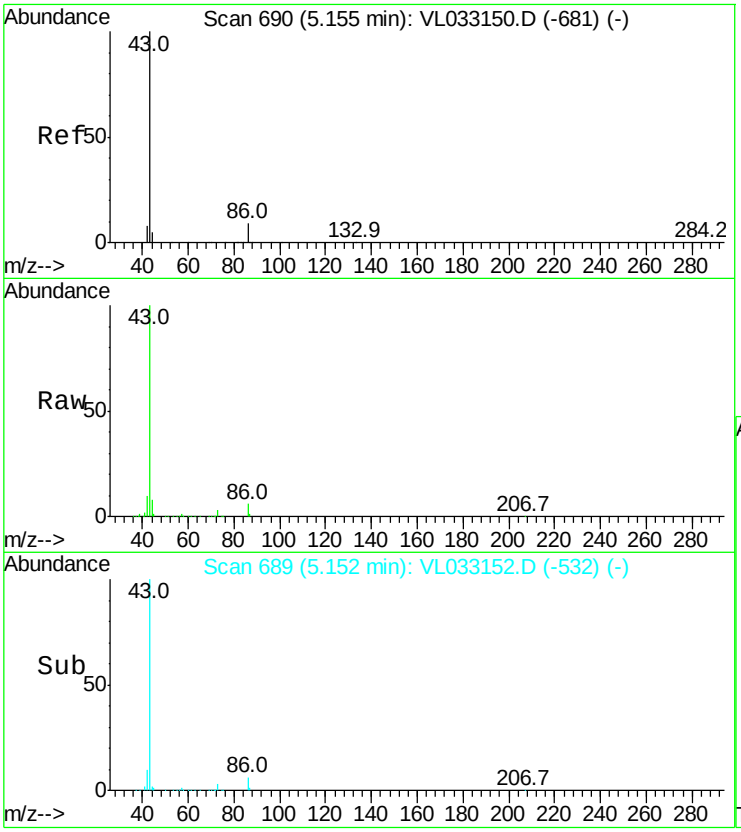


#22
trans-1,2-Dichloroethene
Concen: 0.833 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 96 Resp: 56376

Ion	Ratio	Lower	Upper
96	100		
61	170.5	134.5	201.7
98	55.1	50.2	75.2



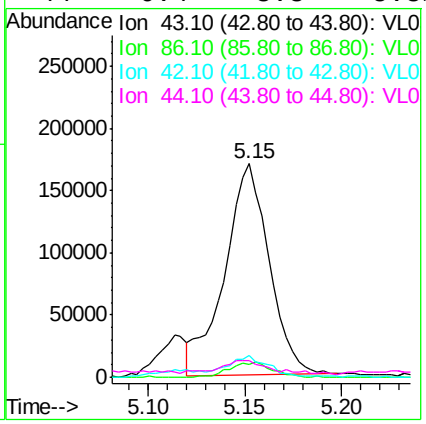


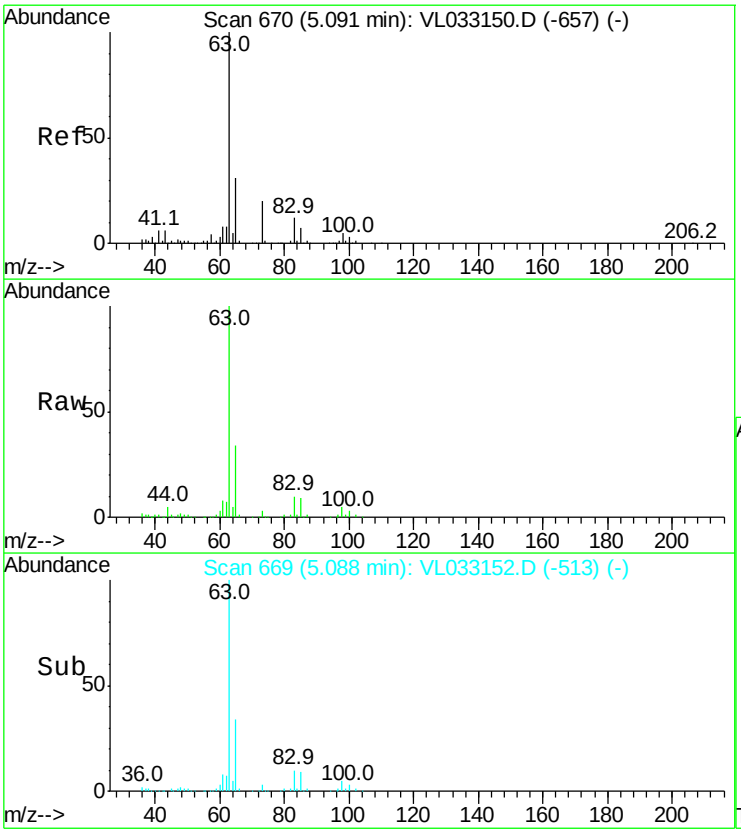
#23
Vinyl Acetate
Concen: 0.825 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 271761

Ion	Ratio	Lower	Upper
43	100		
86	5.9	6.2	9.4#
42	10.0	7.7	11.5
44	6.4	3.8	5.8#

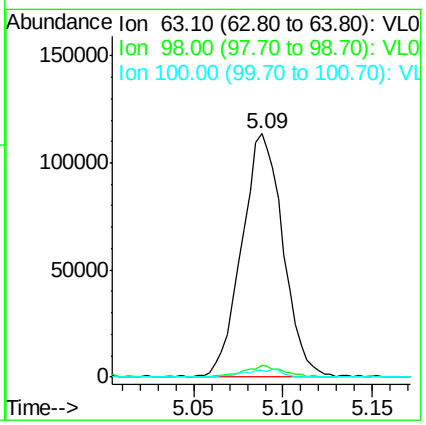


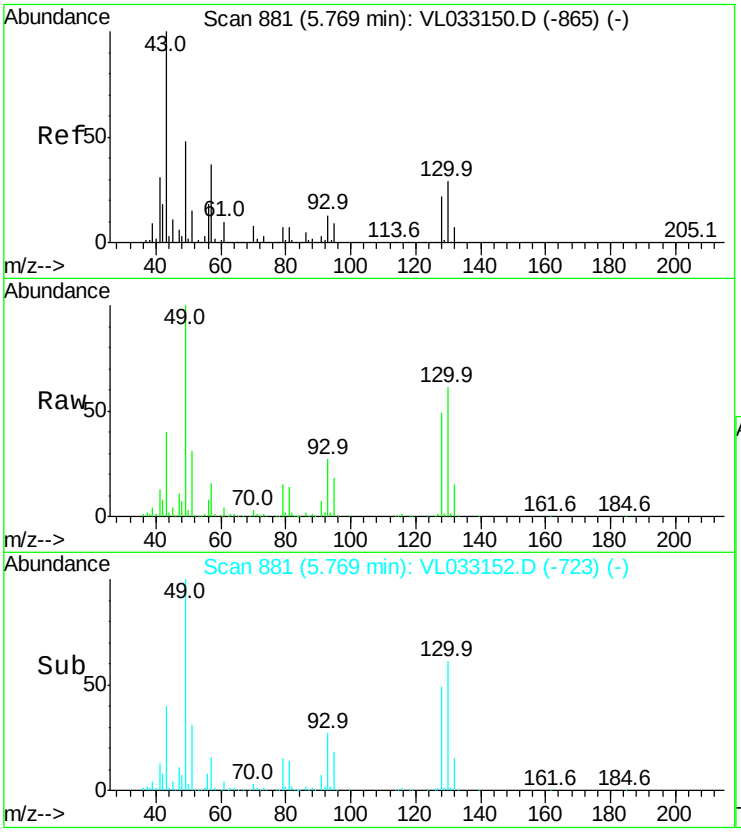


#24
1,1-Dichloroethane
Concen: 0.837 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 63 Resp: 184095

Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.3	6.9
100	2.8	1.3	3.9



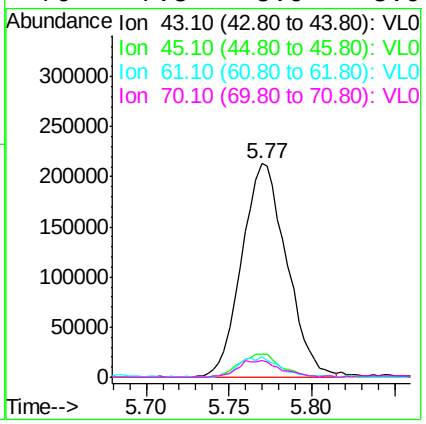


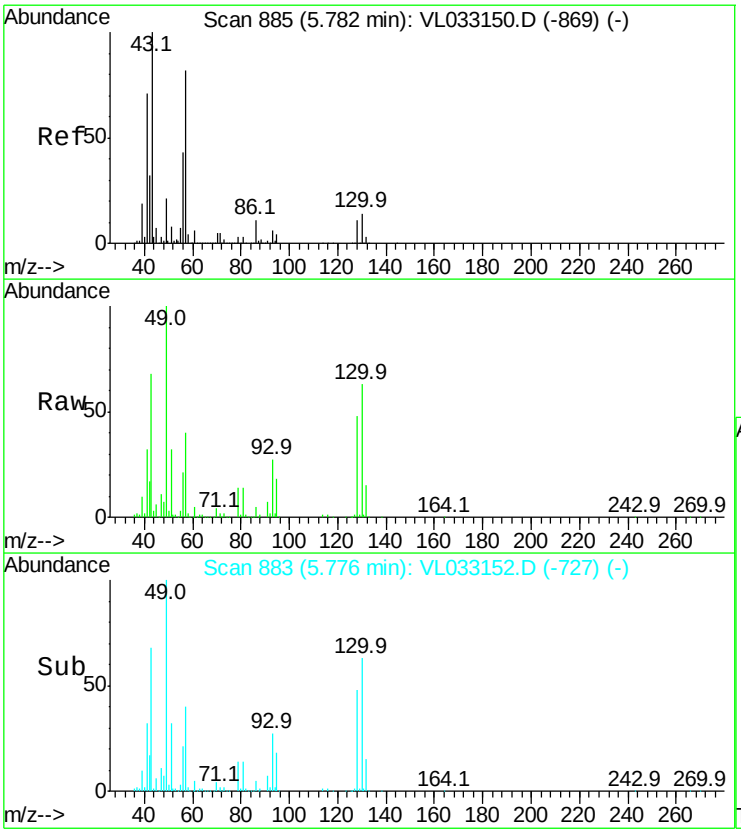
#25
Ethyl Acetate
Concen: 0.983 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 399575

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.0	12.0
61	8.8	7.4	11.2
70	7.3	5.9	8.9

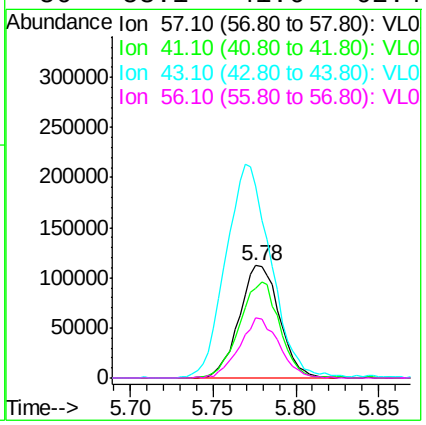


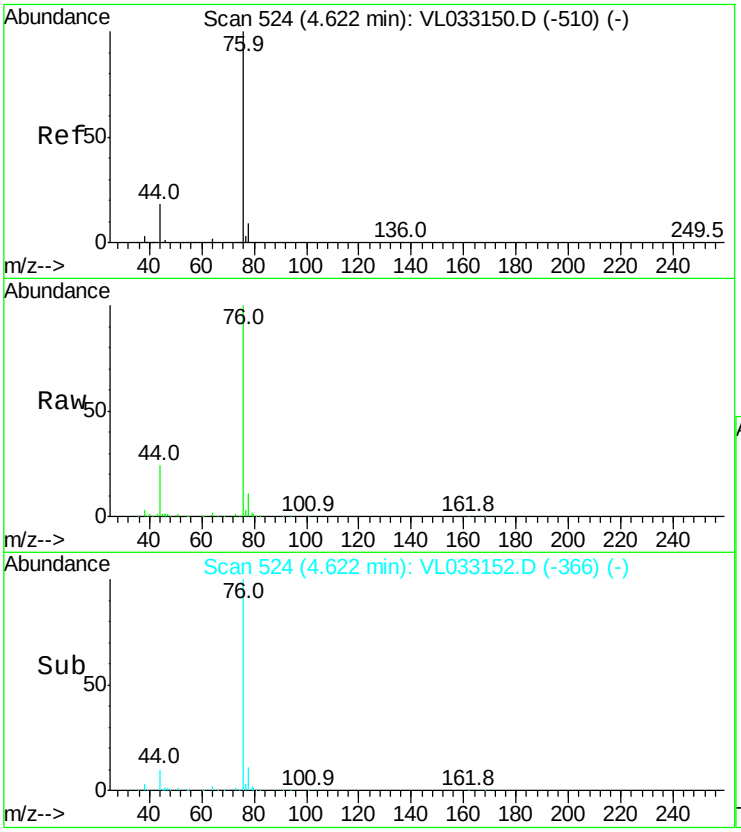


#26
Hexane
Concen: 0.945 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 57 Resp: 188151

Ion	Ratio	Lower	Upper
57	100		
41	86.5	69.5	104.3
43	217.1	175.5	263.3
56	53.1	41.6	62.4



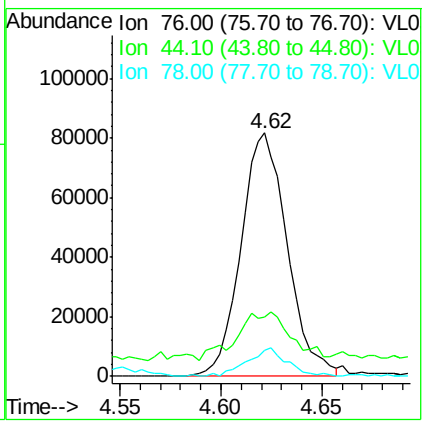


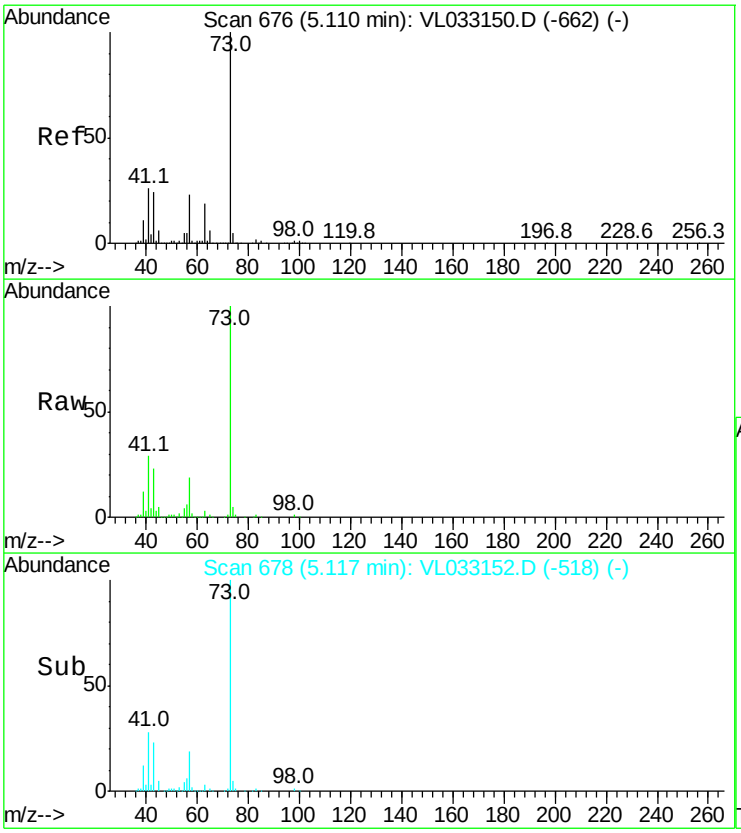
#27
Carbon Disulfide
Concen: 0.818 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 131410

Ion	Ratio	Lower	Upper
76	100		
44	28.6	17.1	25.7#
78	10.8	7.2	10.8#

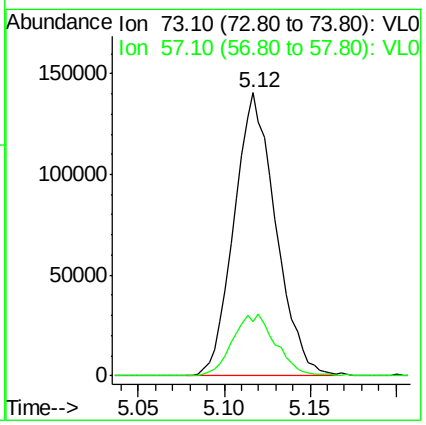


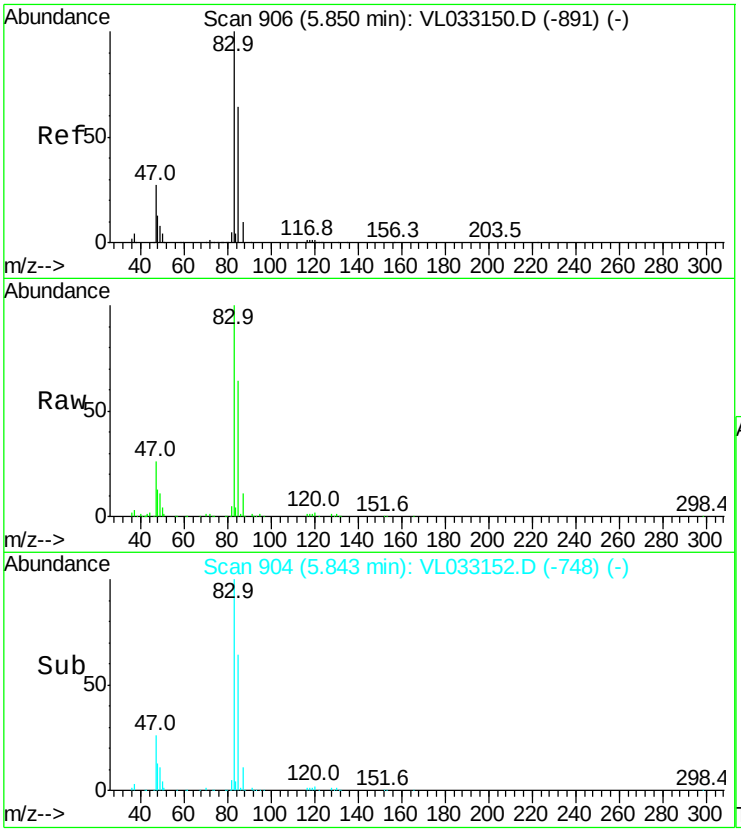


#28
Methyl tert-Butyl Ether
Concen: 0.828 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 73 Resp: 236751

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.3	27.5



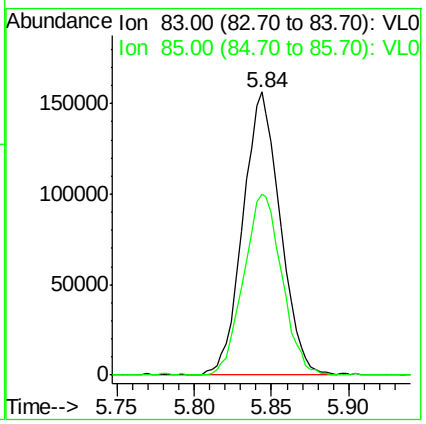


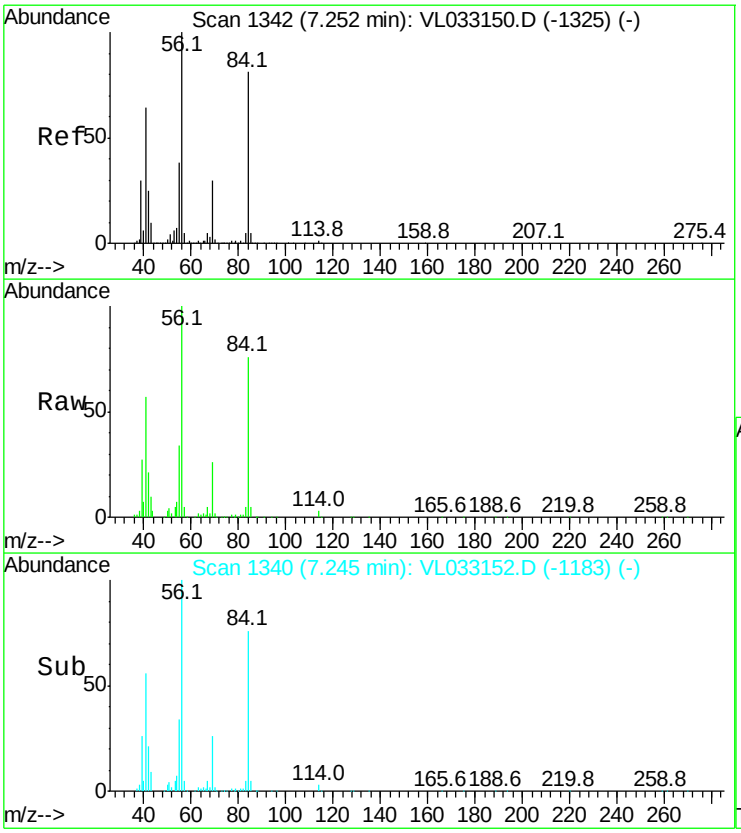
#29
Chloroform
Concen: 0.977 ppbv
RT: 5.84 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 262733

Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.6	77.4

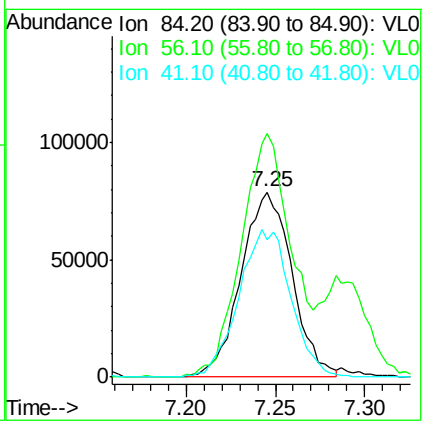


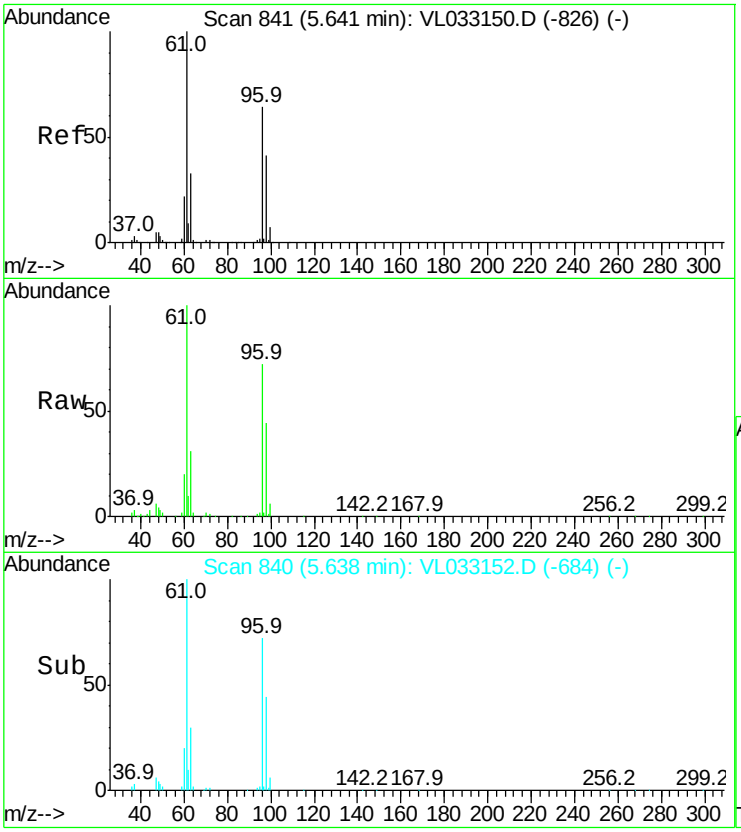


#30
Cyclohexane
Concen: 1.021 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 84 Resp: 157558

Ion	Ratio	Lower	Upper
84	100		
56	176.9	109.0	163.4#
41	81.4	65.3	97.9



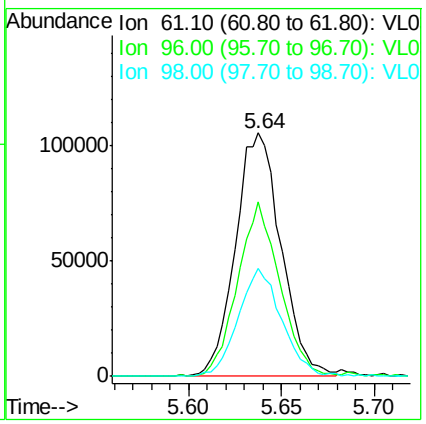


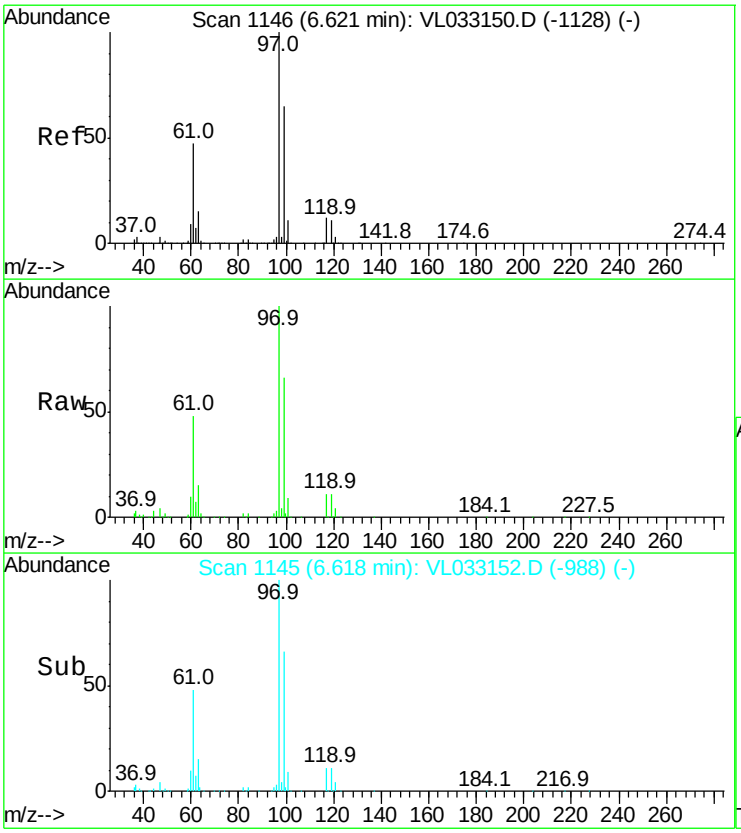
#31
cis-1,2-Dichloroethene
Concen: 0.990 ppbv
RT: 5.64 min Scan# 840
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 179952

Ion	Ratio	Lower	Upper
61	100		
96	71.5	53.3	79.9
98	43.7	33.7	50.5

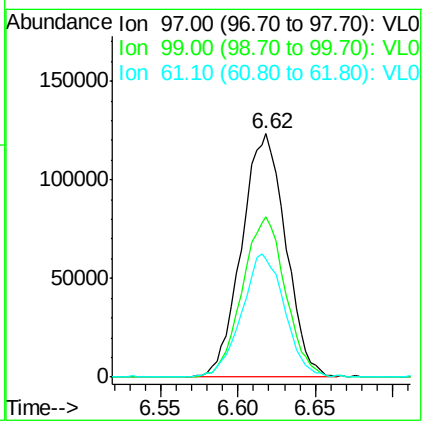


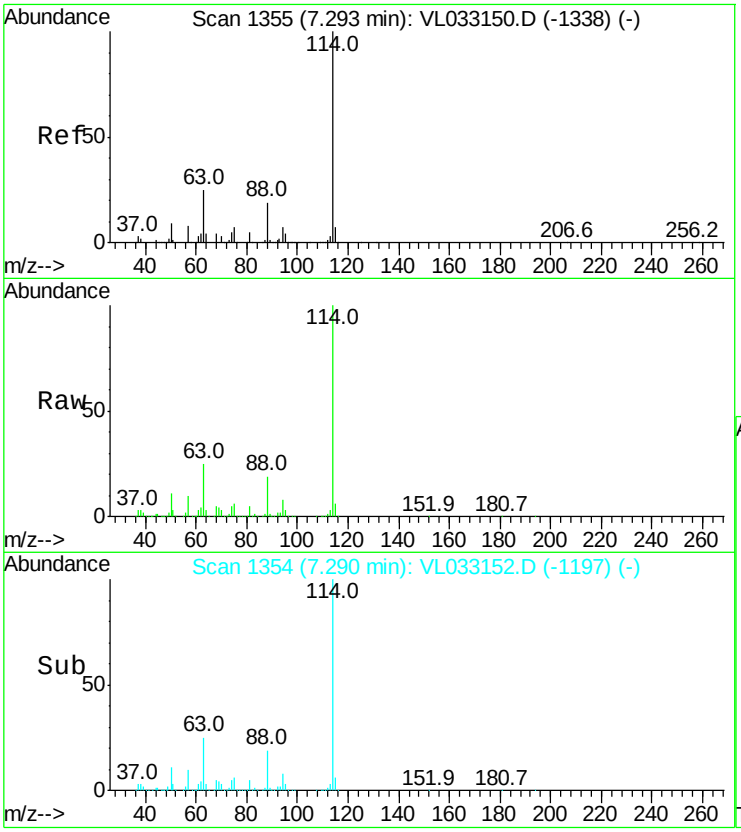


#32
1,1,1-Trichloroethane
Concen: 0.881 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 97 Resp: 244407

Ion	Ratio	Lower	Upper
97	100		
99	64.6	65.1	97.7#
61	49.2	47.7	71.5



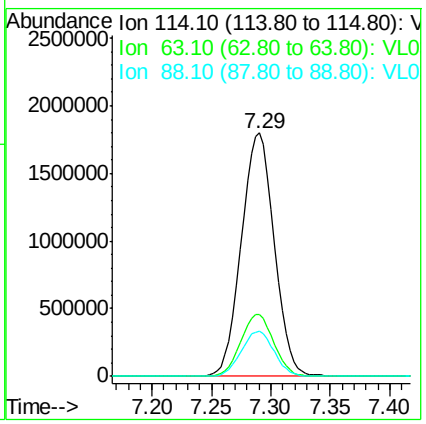


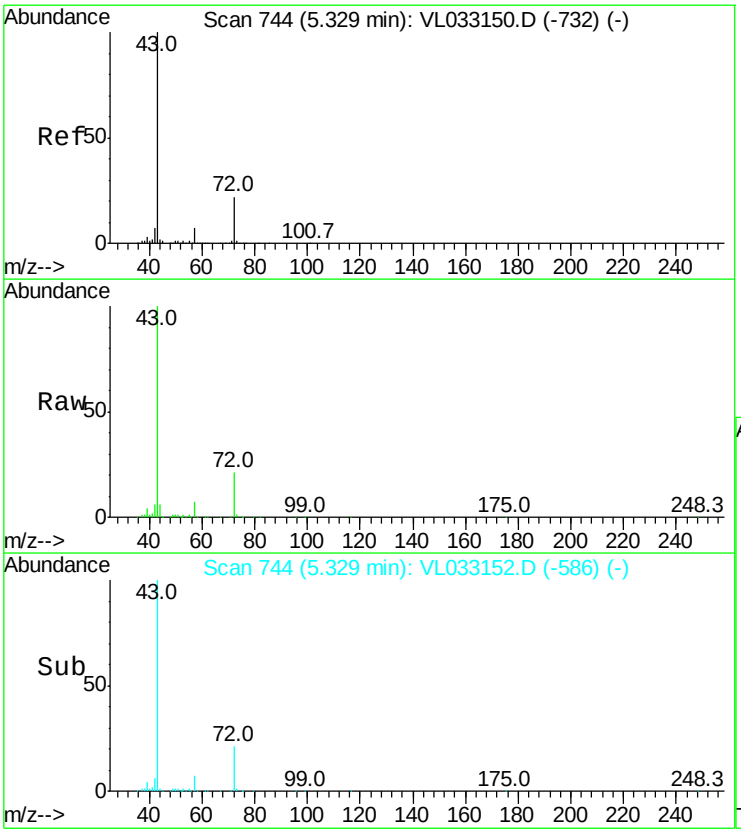
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 3442749

Ion	Ratio	Lower	Upper
114	100		
63	25.6	20.0	30.0
88	18.6	14.4	21.6

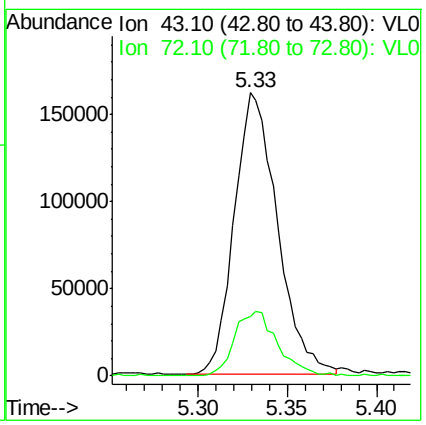


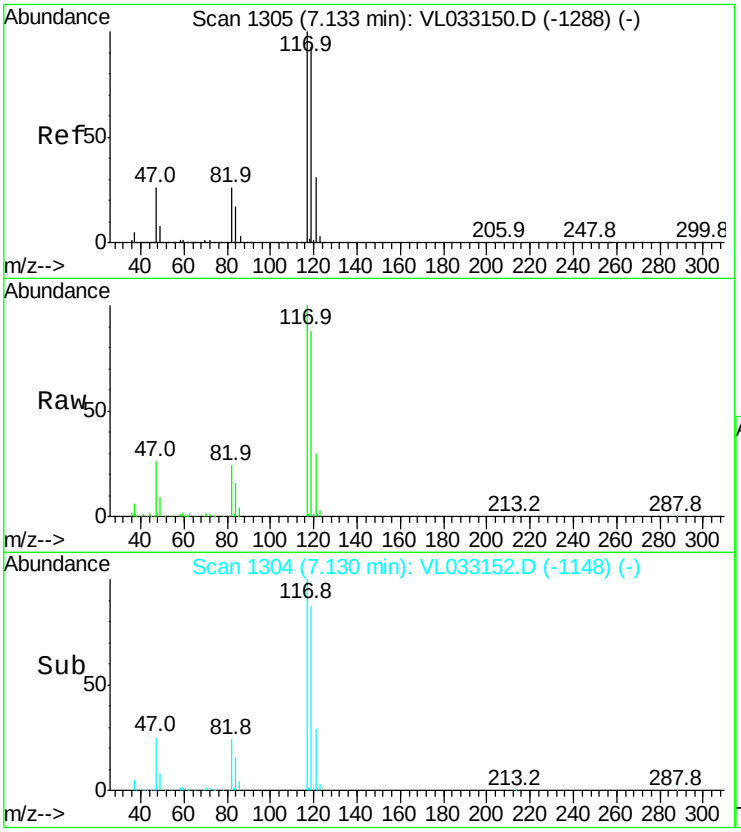


#34
2-Butanone
Concen: 1.038 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 43 Resp: 273150

Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.9	26.9



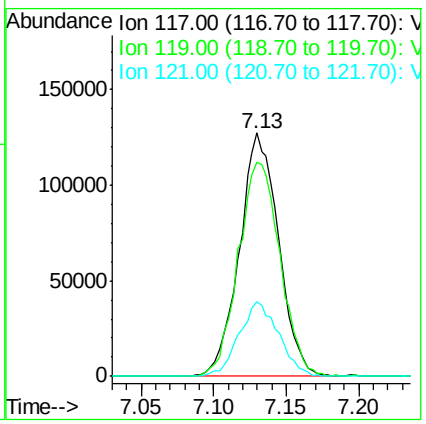


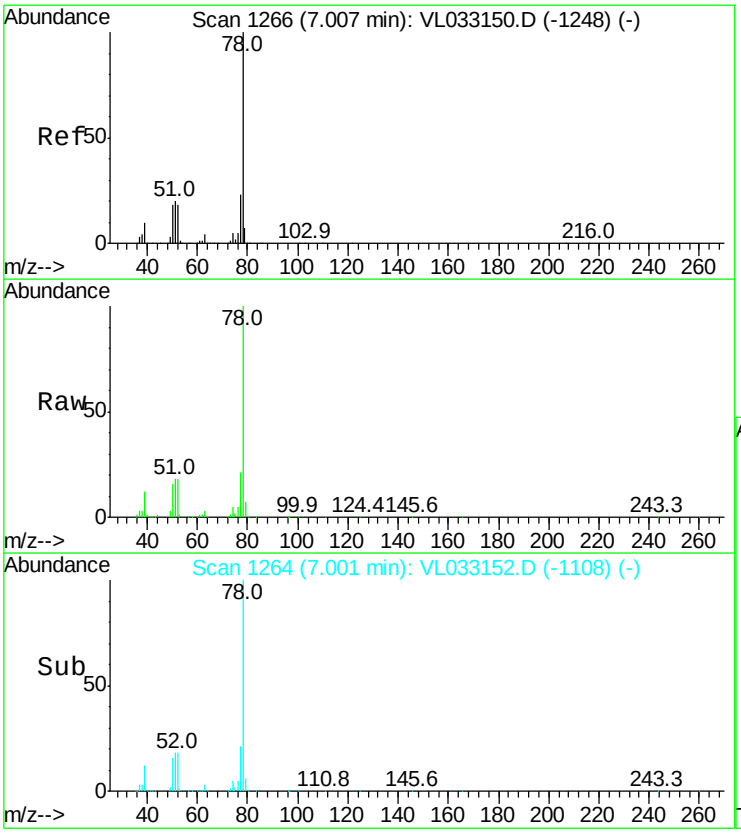
#35
Carbon Tetrachloride
Concen: 0.924 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 238669

Ion	Ratio	Lower	Upper
117	100		
119	87.9	76.6	114.8
121	30.5	25.0	37.4

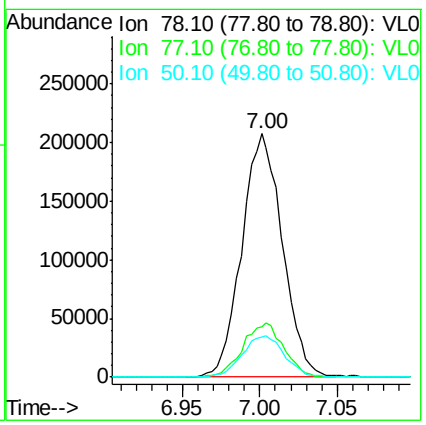


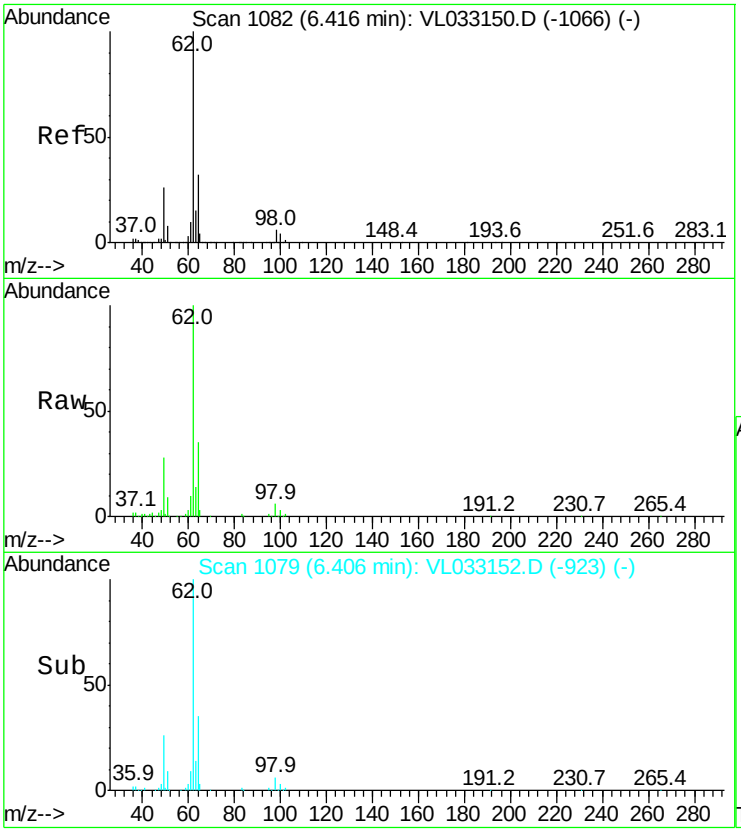


#36
Benzene
Concen: 0.981 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 78 Resp: 378768

Ion	Ratio	Lower	Upper
78	100		
77	20.7	17.8	26.6
50	16.4	14.7	22.1



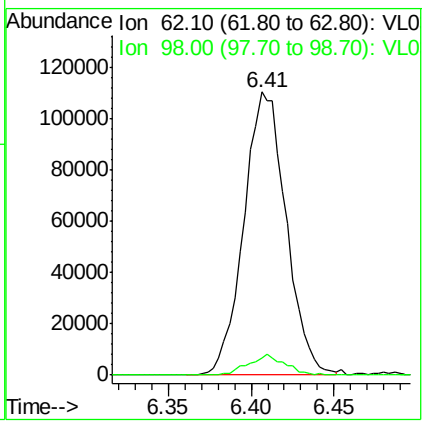


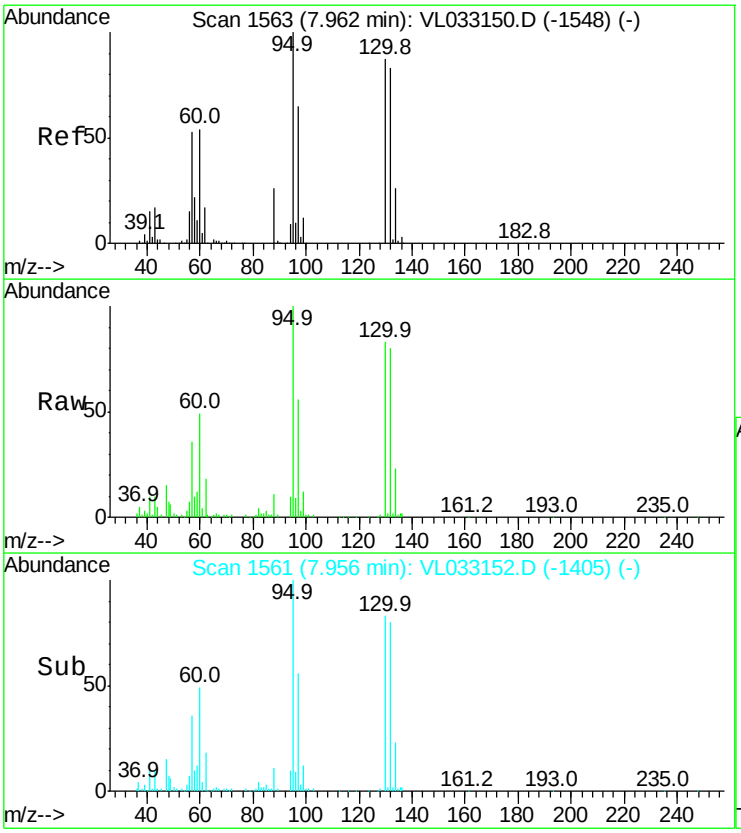
#37
1,2-Dichloroethane
Concen: 0.998 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 62 Resp: 196144

Ion	Ratio	Lower	Upper
62	100		
98	6.5	5.3	7.9

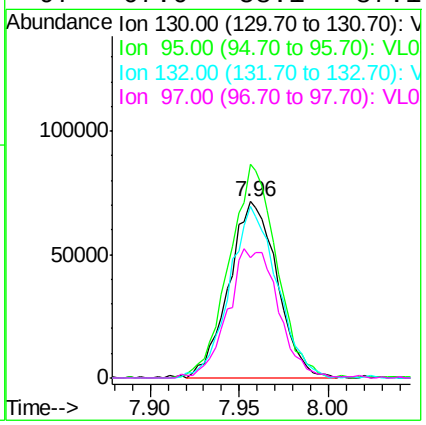


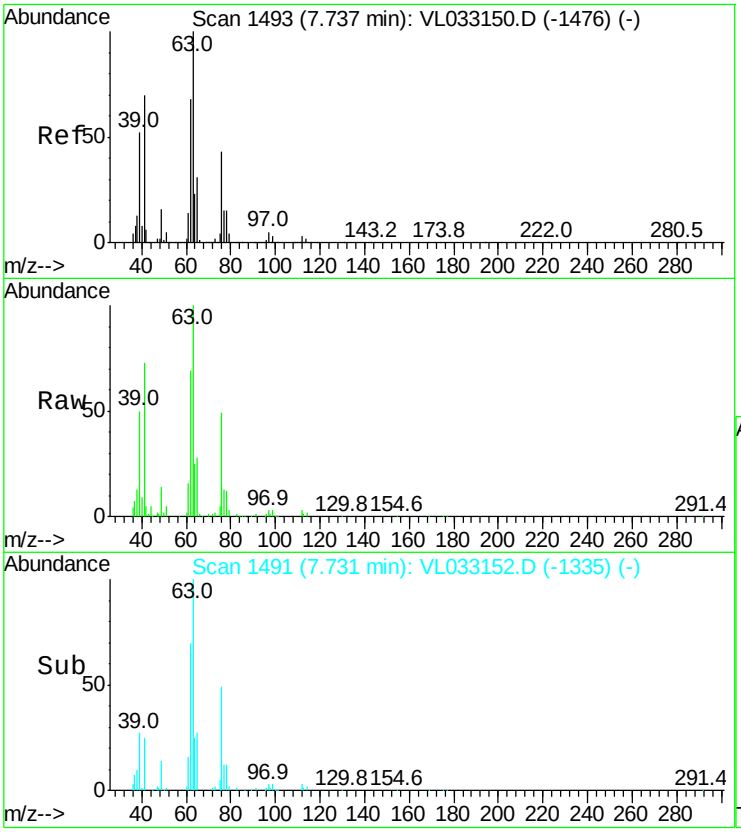


#38
Trichloroethene
Concen: 0.863 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:130 Resp: 134195

Ion	Ratio	Lower	Upper
130	100		
95	119.5	91.6	137.4
132	98.5	79.0	118.4
97	67.0	58.1	87.1



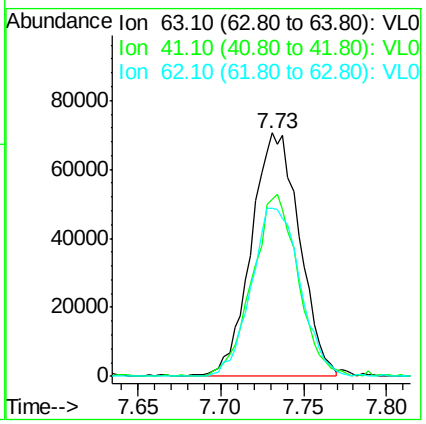


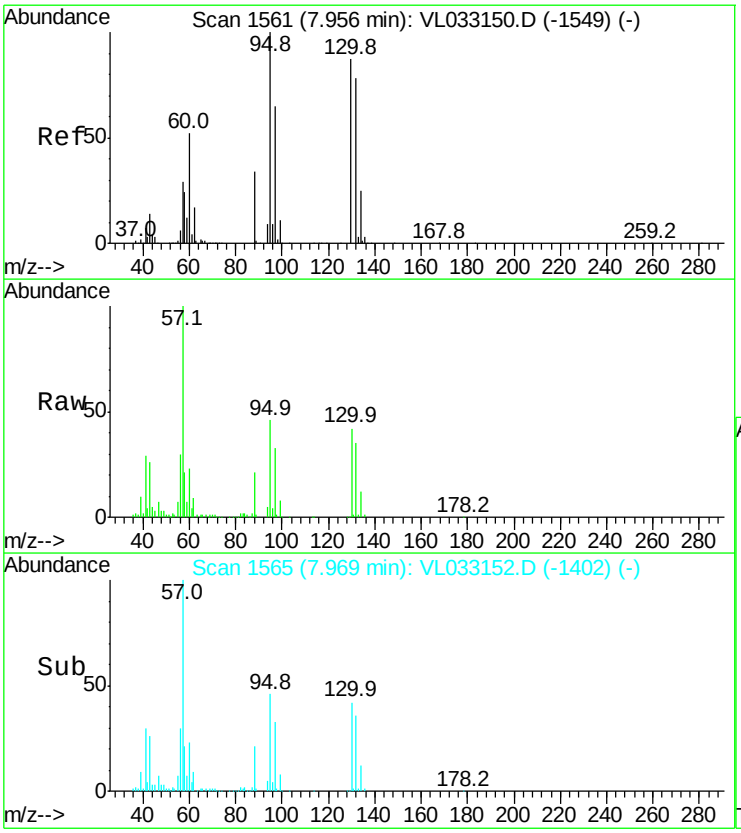
#39
1,2-Dichloropropane
Concen: 1.008 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 142663

Ion	Ratio	Lower	Upper
63	100		
41	73.0	53.2	79.8
62	69.1	54.4	81.6

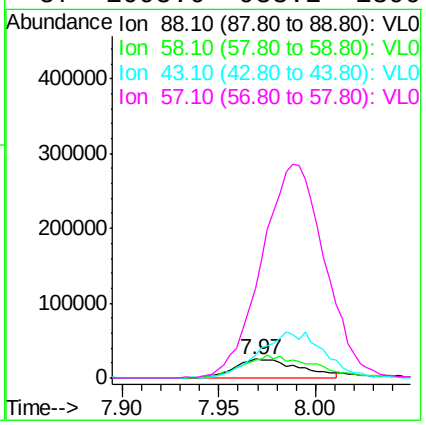


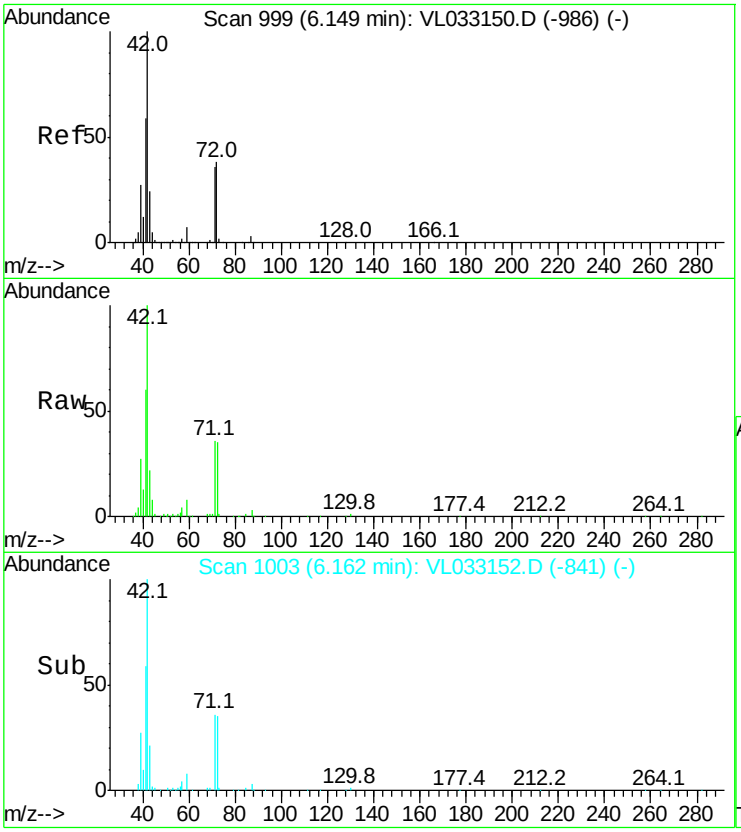


#40
1,4-Dioxane
Concen: 1.195 ppbv
RT: 7.97 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 88 Resp: 59523

Ion	Ratio	Lower	Upper
88	100		
58	136.4	103.4	155.2
43	249.2	210.8	316.2
57	1095.6	933.2	1399.8



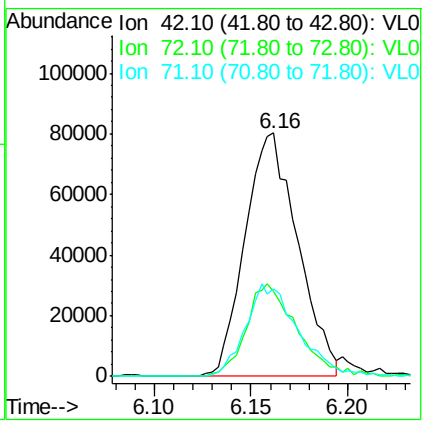


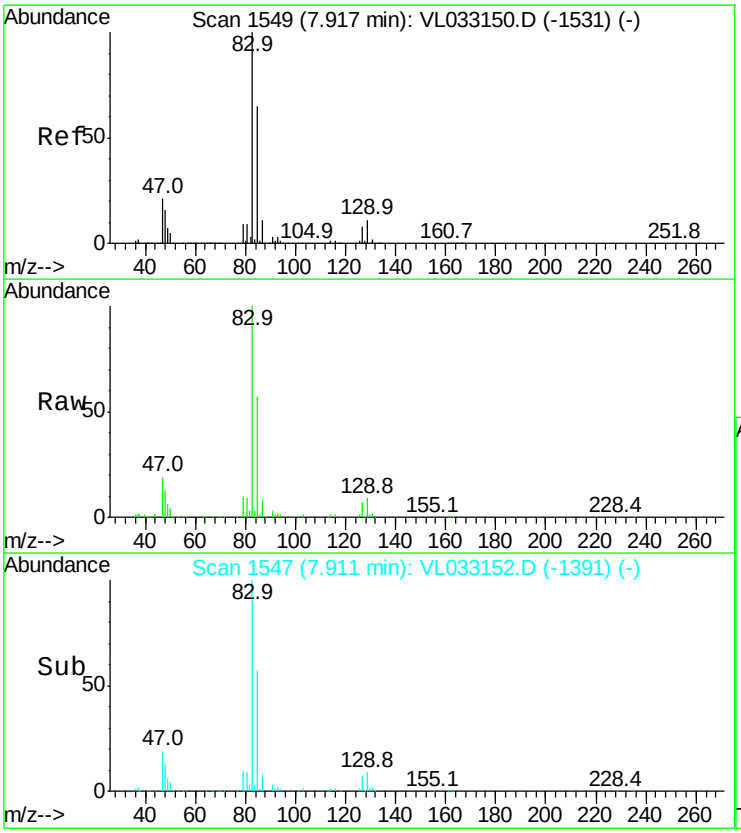
#41
Tetrahydrofuran
Concen: 0.963 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. 0.02 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 152212

Ion	Ratio	Lower	Upper
42	100		
72	37.0	30.2	45.4
71	37.9	28.8	43.2

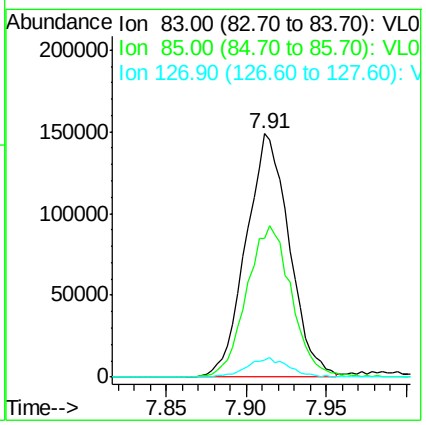


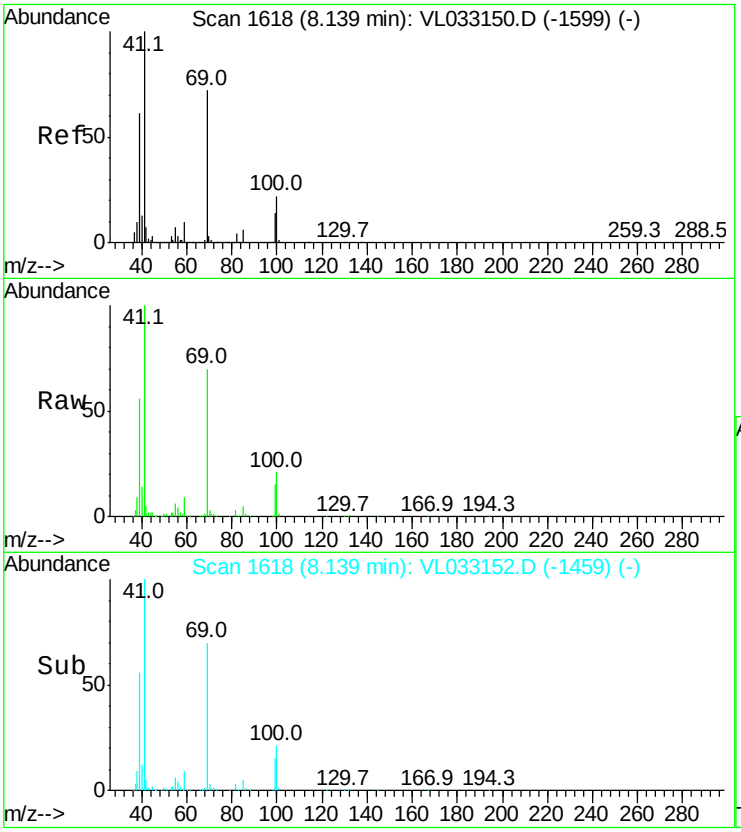


#42
Bromodichloromethane
Concen: 0.986 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 83 Resp: 276368

Ion	Ratio	Lower	Upper
83	100		
85	57.1	51.3	76.9
127	6.9	6.1	9.1



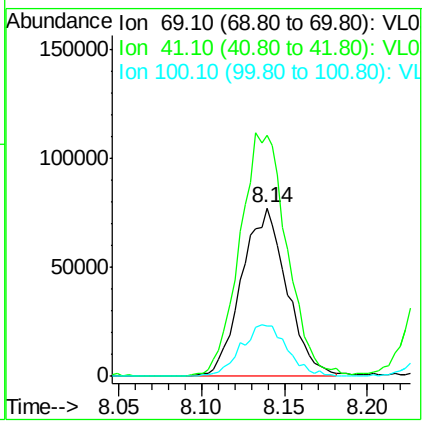


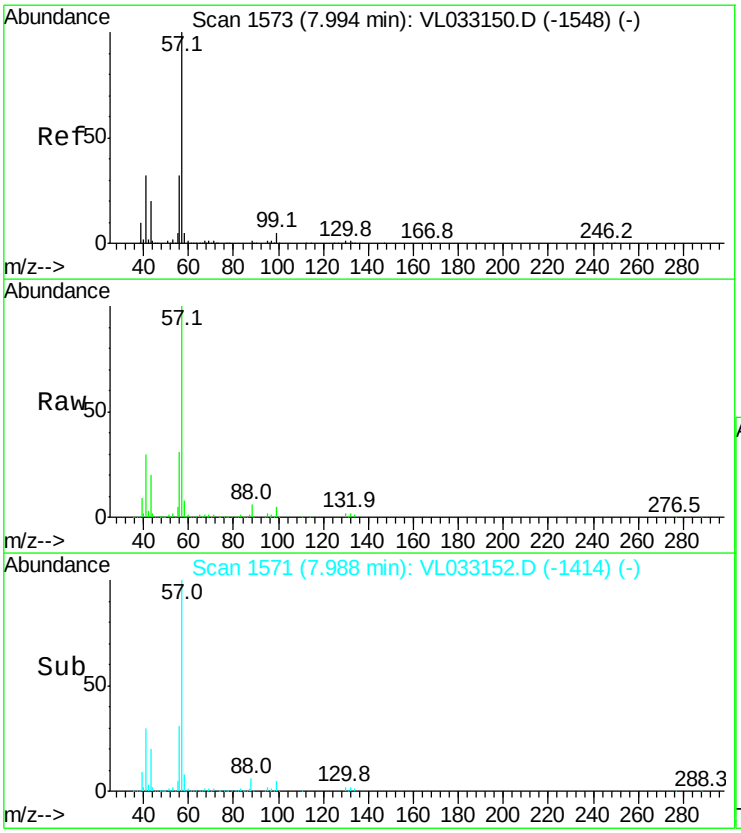
#43
Methyl Methacrylate
Concen: 1.089 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 69 Resp: 147330

Ion	Ratio	Lower	Upper
69	100		
41	150.6	118.4	177.6
100	31.2	26.5	39.7

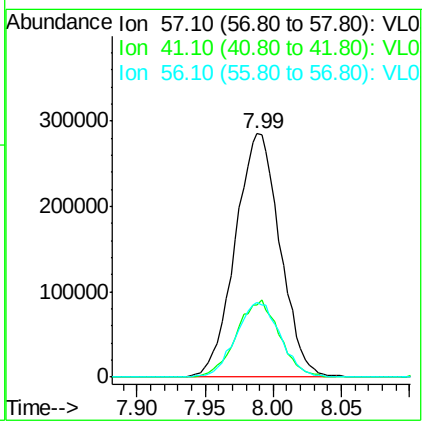


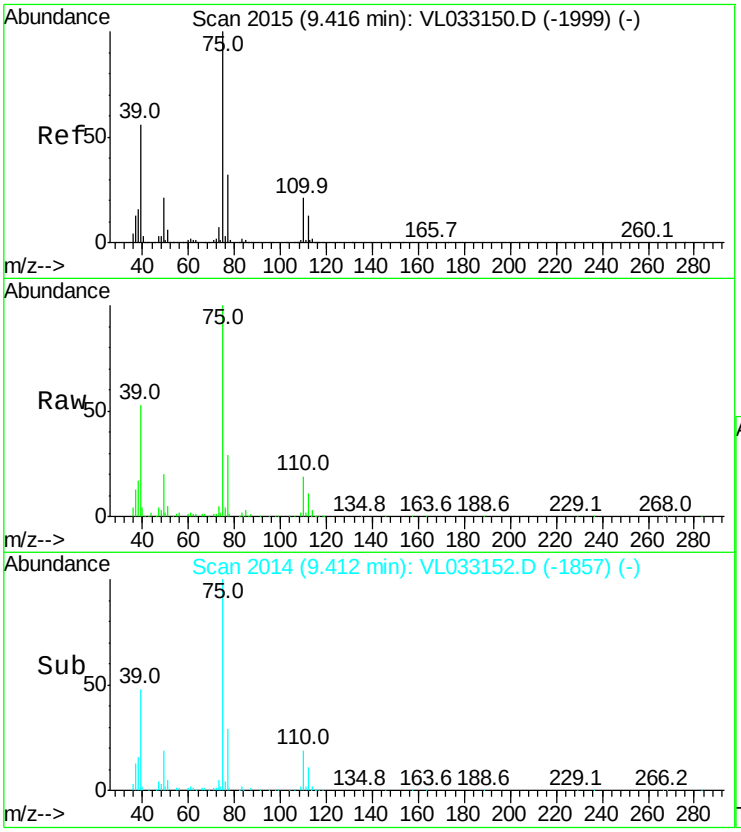


#44
2,2,4-Trimethylpentane
Concen: 1.040 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 57 Resp: 647734

Ion	Ratio	Lower	Upper
57	100		
41	30.8	24.6	36.8
56	30.6	24.9	37.3



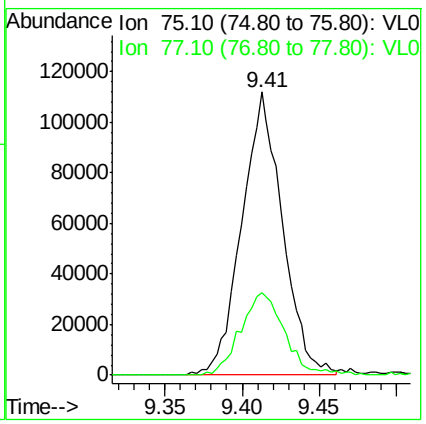


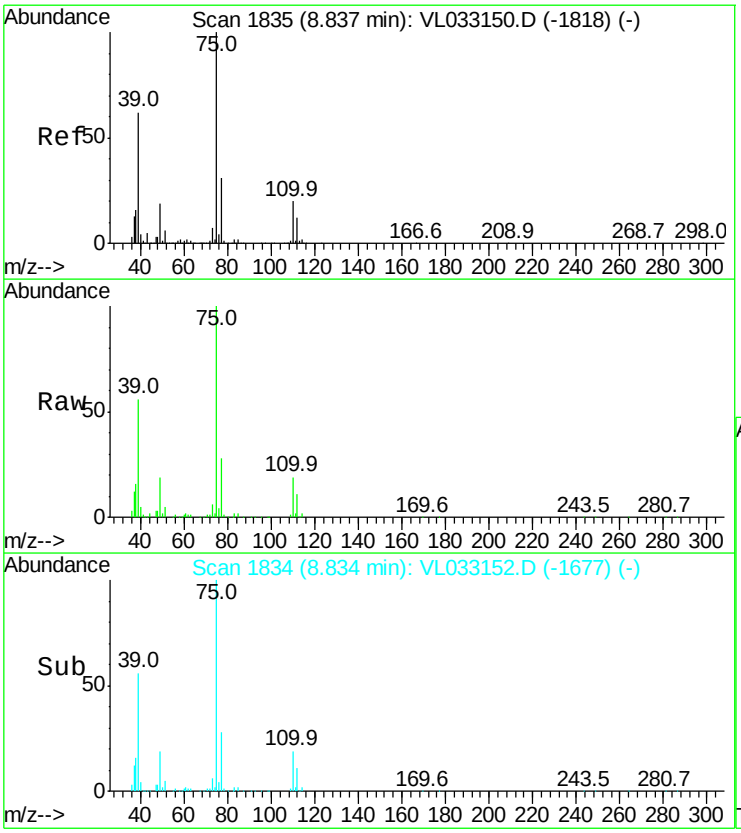
#45
t-1,3-Dichloropropene
Concen: 1.254 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 204923

Ion	Ratio	Lower	Upper
75	100		
77	29.7	24.4	36.6

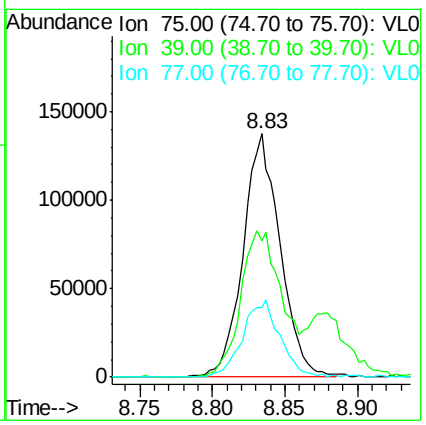


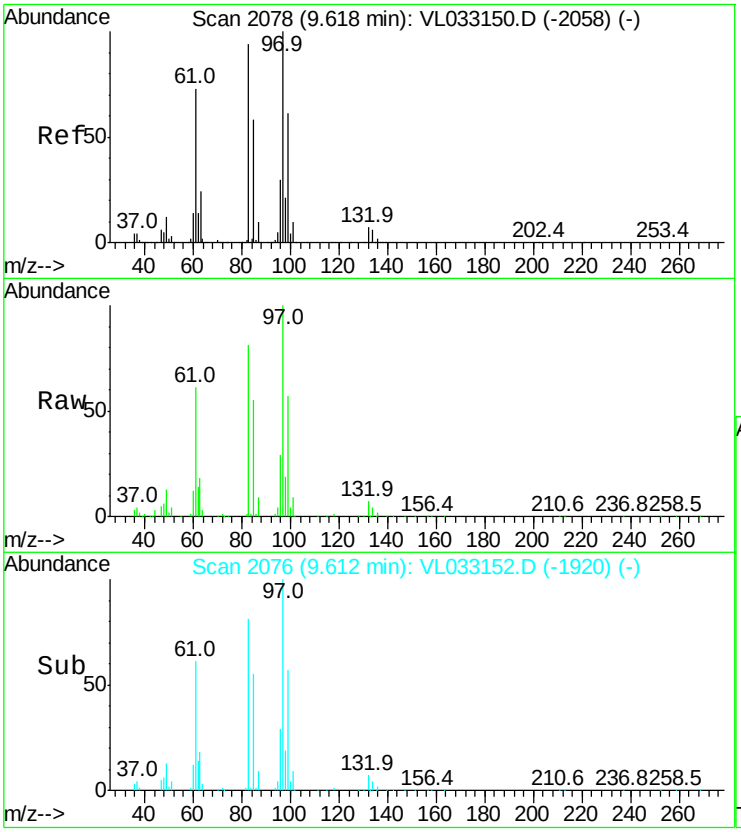


#46
cis-1,3-Dichloropropene
Concen: 1.247 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 75 Resp: 244397

Ion	Ratio	Lower	Upper
75	100		
39	55.5	51.4	77.2
77	28.4	25.4	38.0



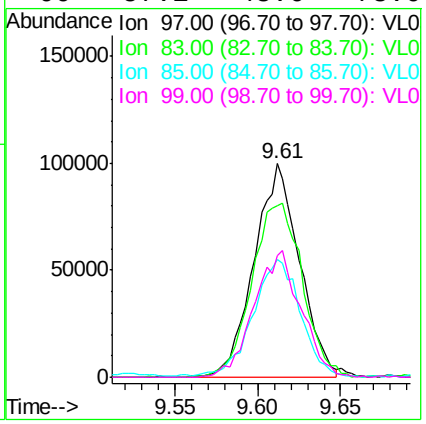


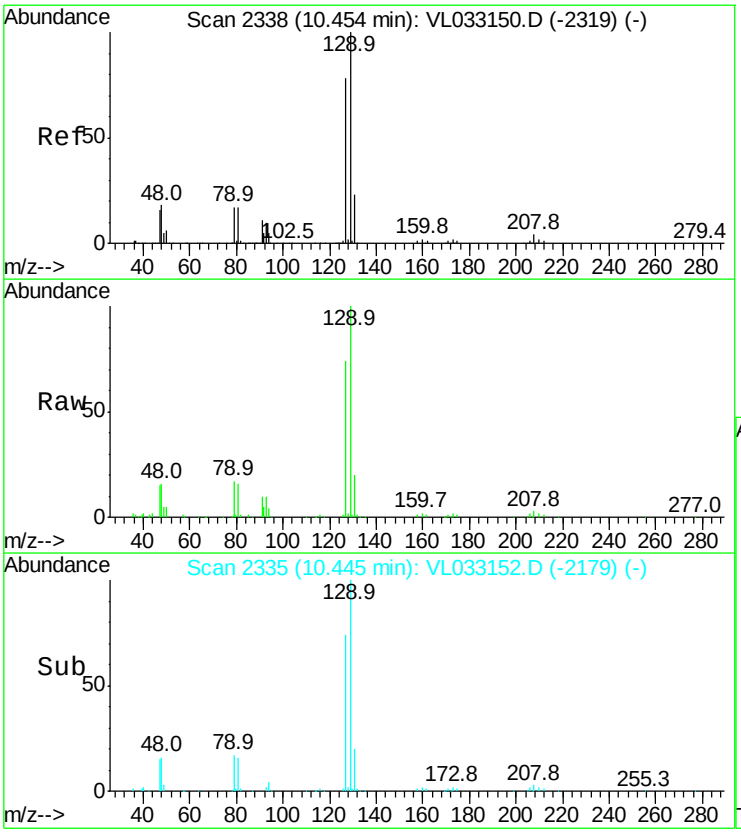
#47
1,1,2-Trichloroethane
Concen: 1.474 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 97 Resp: 190218

Ion	Ratio	Lower	Upper
97	100		
83	80.6	65.8	98.8
85	54.1	44.7	67.1
99	57.1	48.6	73.0

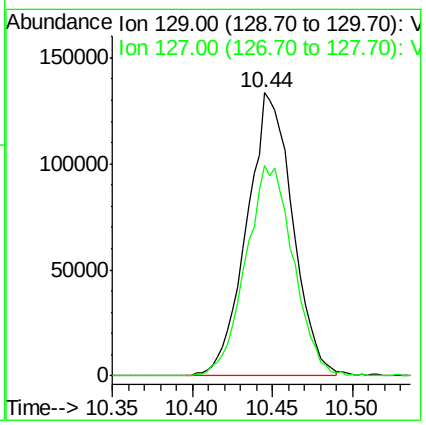


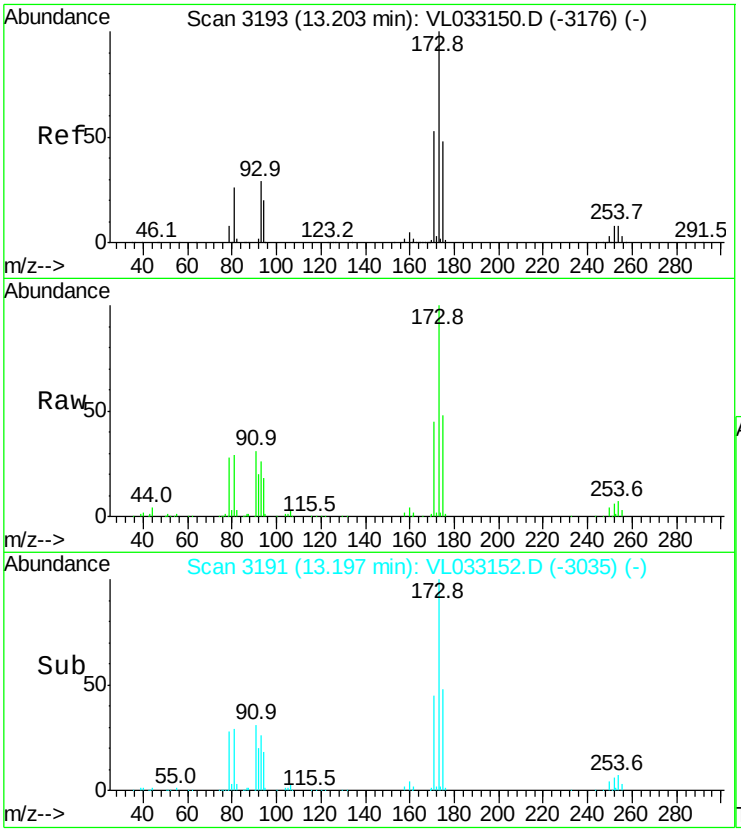


#48
Dibromochloromethane
Concen: 1.222 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:129 Resp: 262835

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.3	117.9



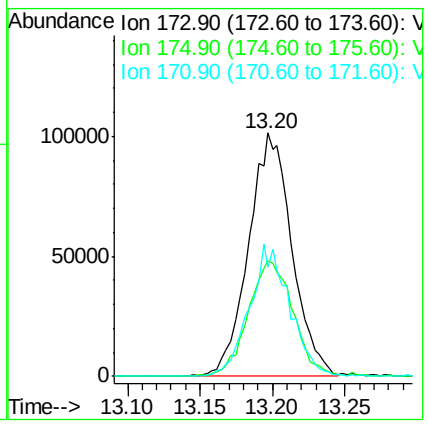


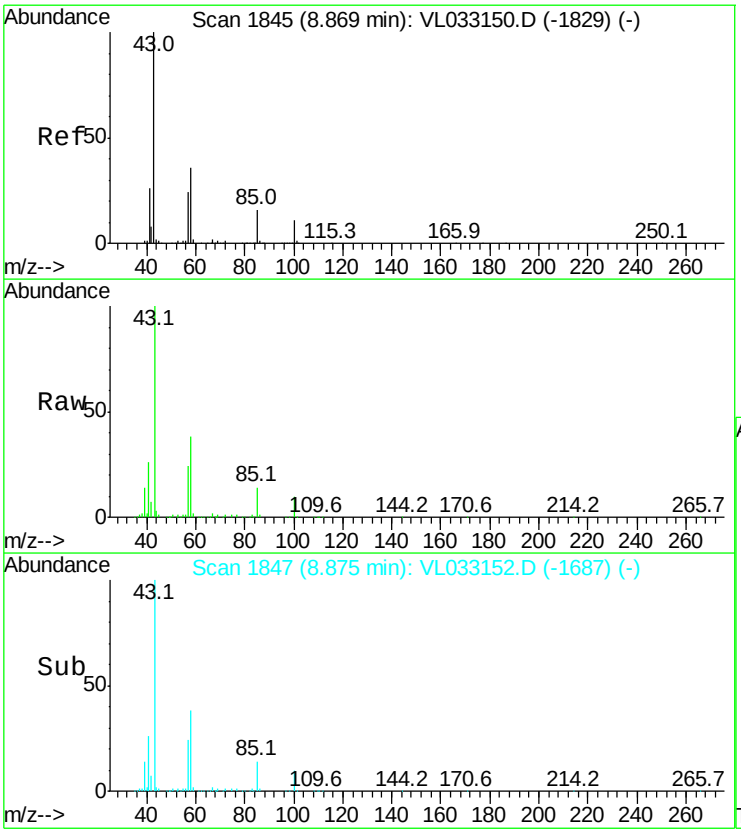
#49
Bromoform
Concen: 1.181 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 210818

Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.3	58.9
171	50.2	41.8	62.6

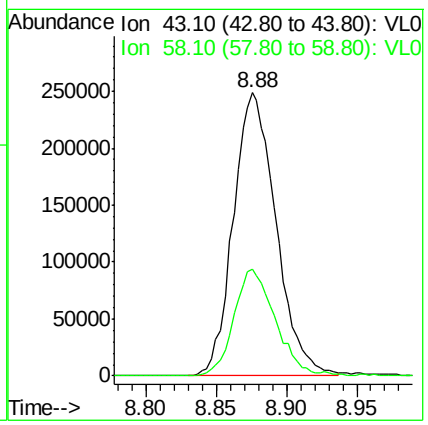


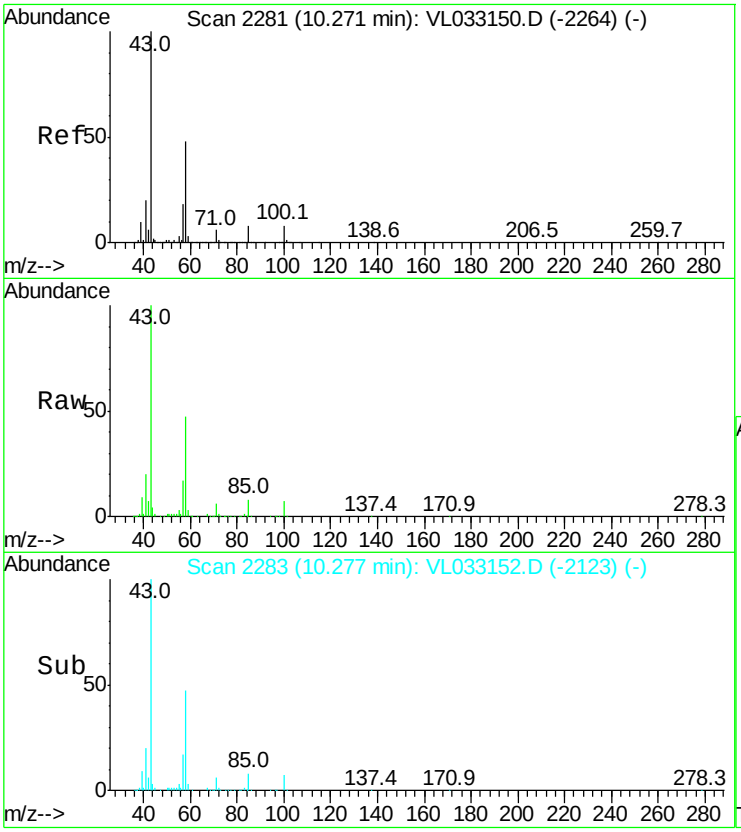


#50
4-Methyl-2-Pentanone
Concen: 1.534 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 43 Resp: 524422

Ion	Ratio	Lower	Upper
43	100		
58	37.3	28.7	43.1



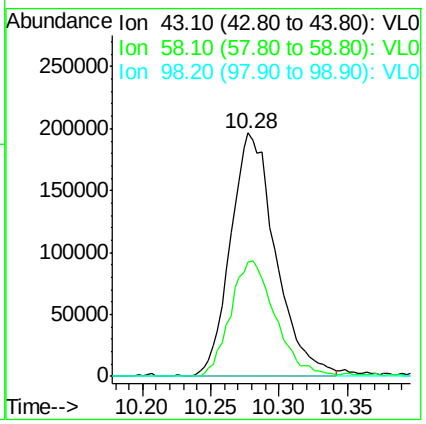


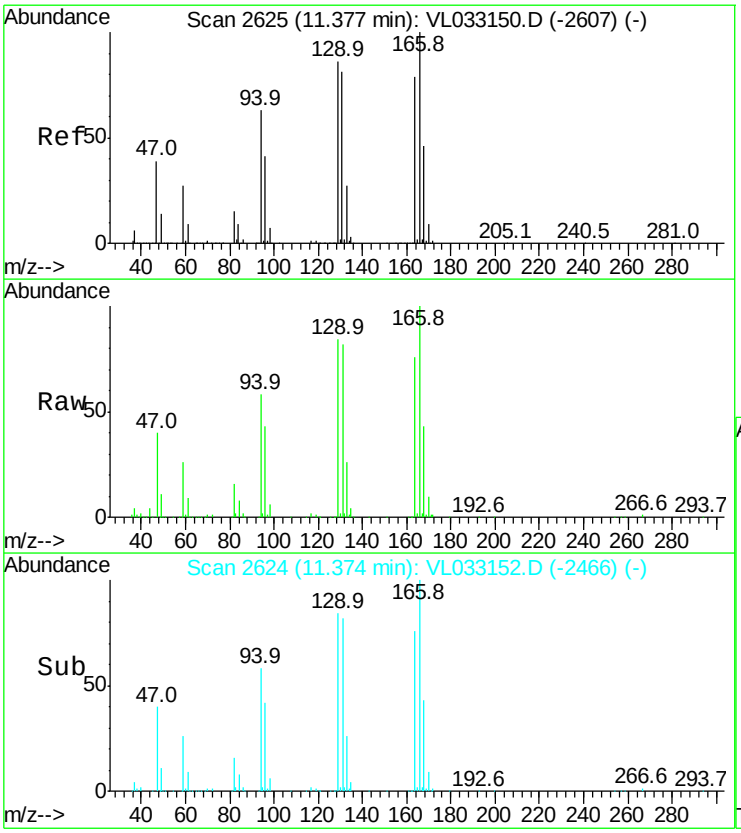
#51
2-Hexanone
Concen: 1.476 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 449585

Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.4	59.2
98	0.2	0.1	0.1#

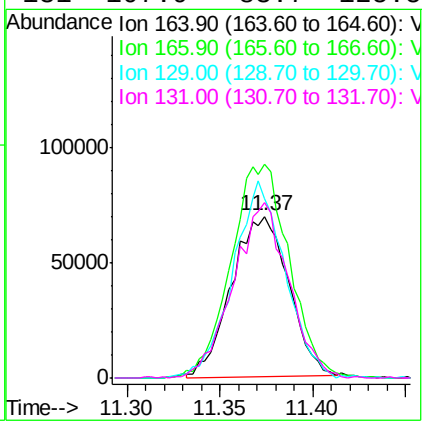


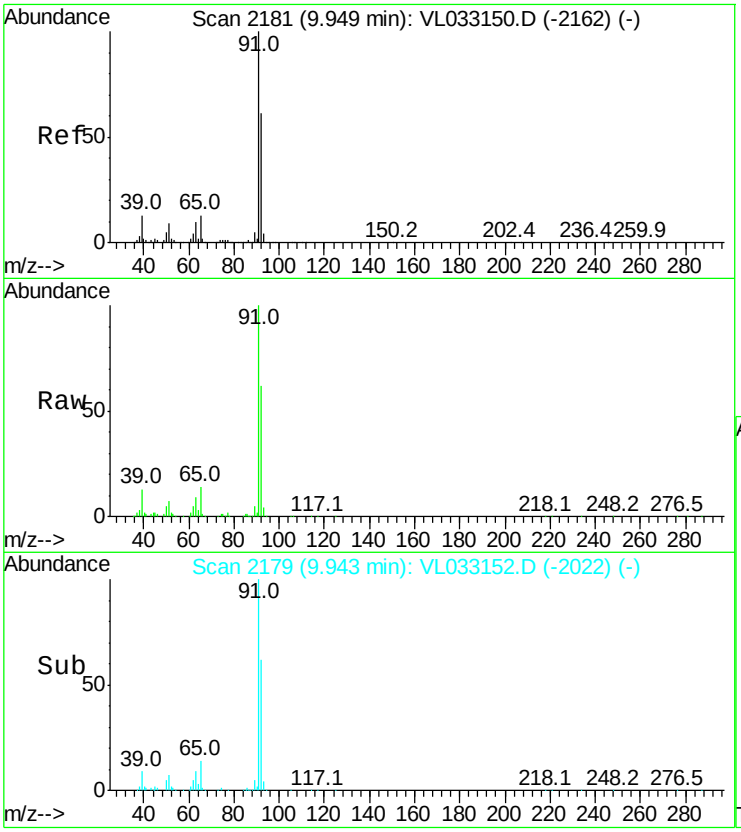


#52
Tetrachloroethene
Concen: 1.021 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:164 Resp: 149503

Ion	Ratio	Lower	Upper
164	100		
166	131.2	98.6	148.0
129	112.4	86.3	129.5
131	107.9	83.7	125.5



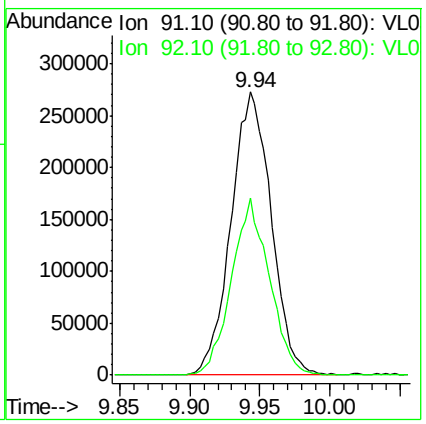


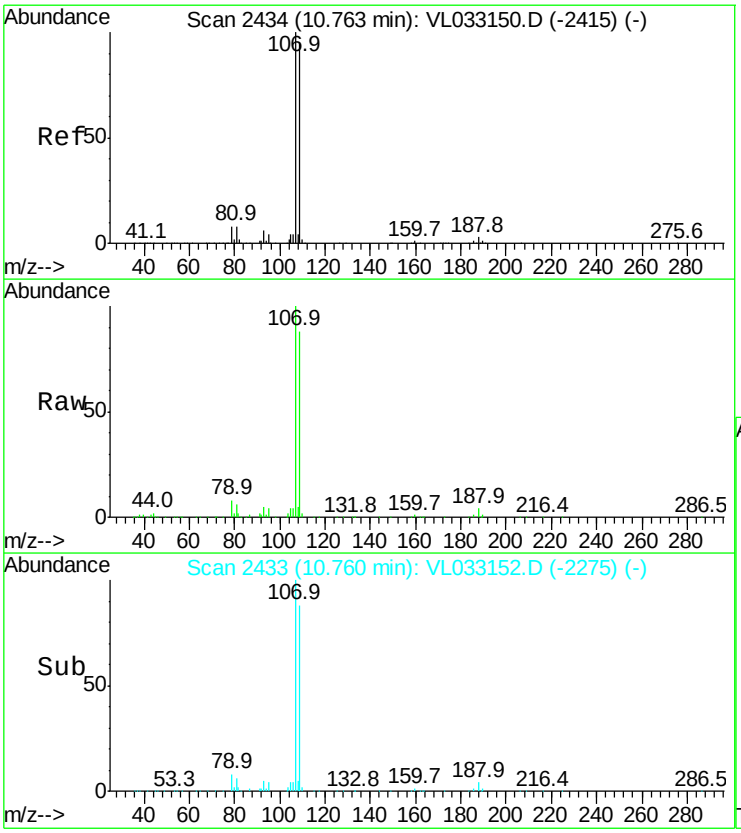
#53
Toluene
Concen: 1.225 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 541468

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.9	73.3

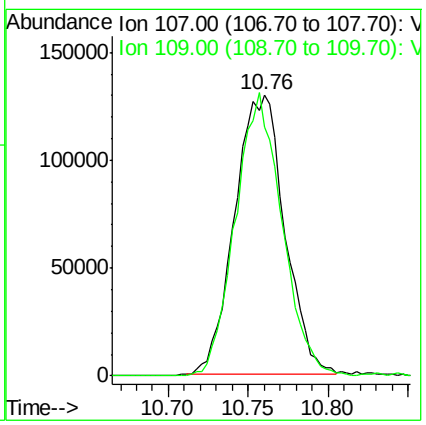


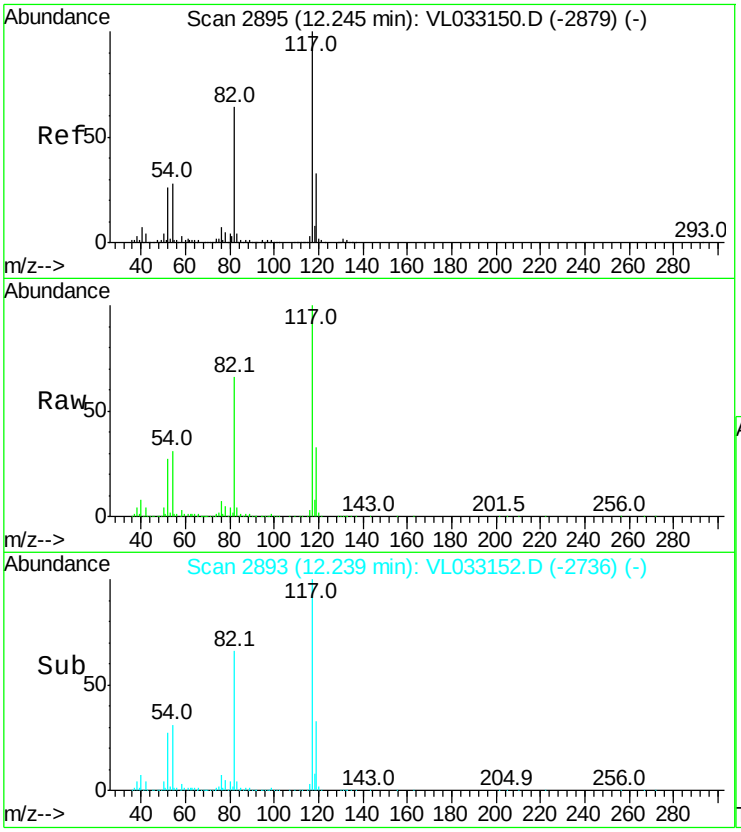


#54
1,2-Dibromoethane
Concen: 1.144 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:107 Resp: 277723

Ion	Ratio	Lower	Upper
107	100		
109	88.4	74.7	112.1



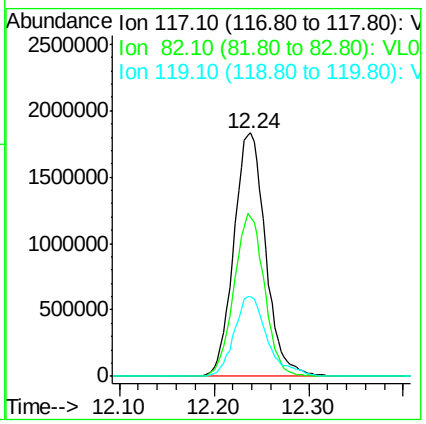


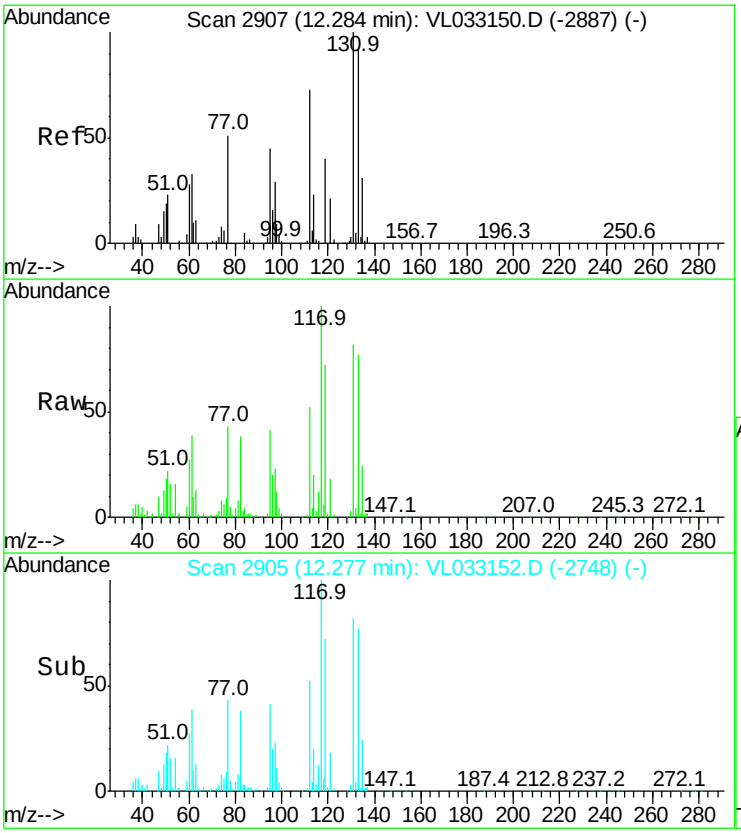
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 4270034

Ion	Ratio	Lower	Upper
117	100		
82	64.1	49.3	73.9
119	34.5	27.1	40.7

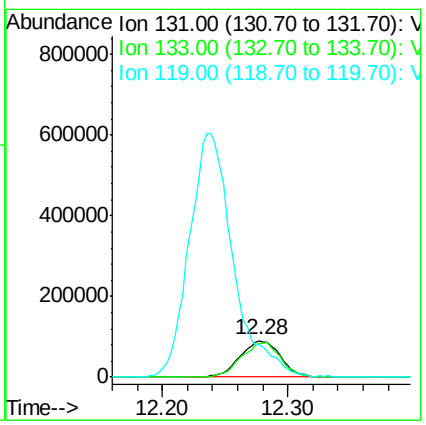


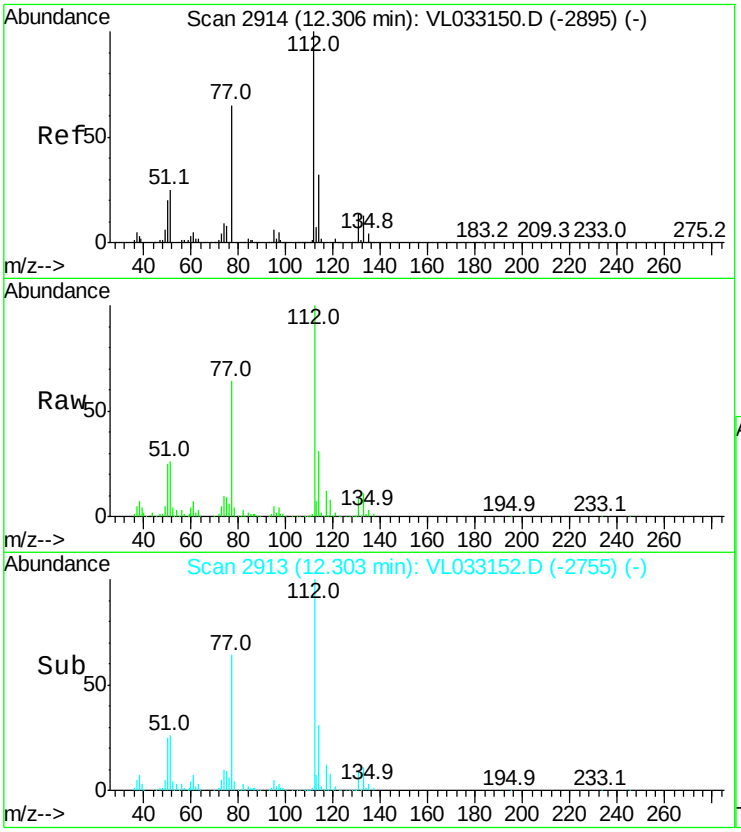


#56
1,1,1,2-Tetrachloroethane
Concen: 1.060 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:131 Resp: 201406

Ion	Ratio	Lower	Upper
131	100		
133	93.7	76.2	114.4
119	732.9	46.9	70.3#



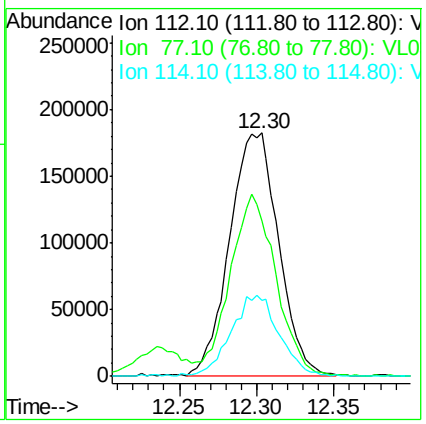


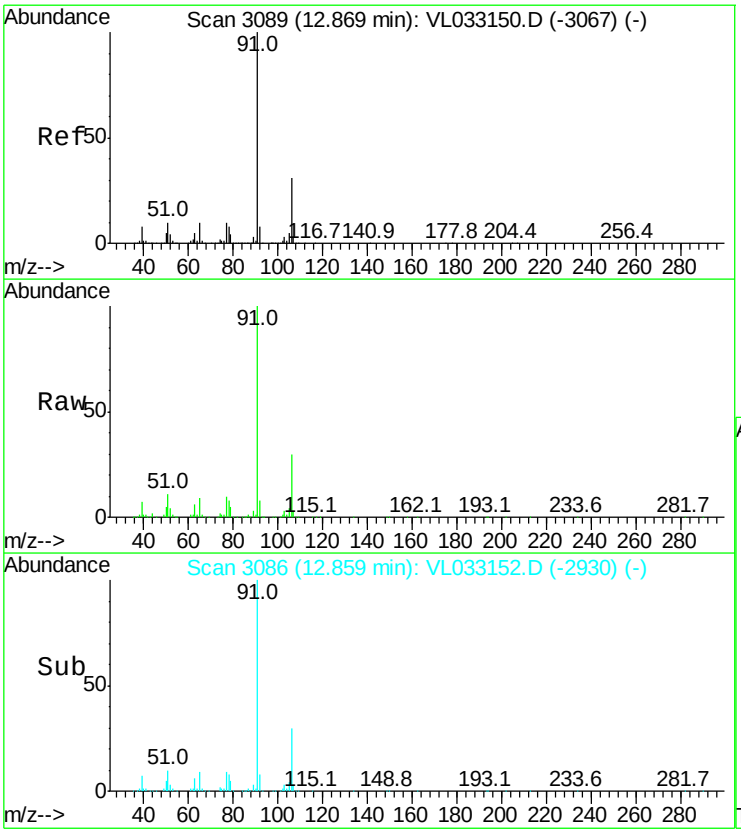
#57
Chlorobenzene
Concen: 1.072 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 402897

Ion	Ratio	Lower	Upper
112	100		
77	63.2	52.8	79.2
114	30.7	29.7	36.3

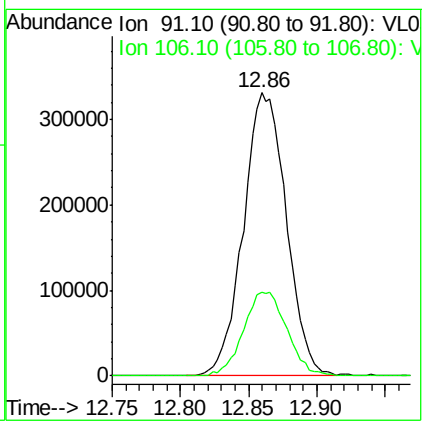


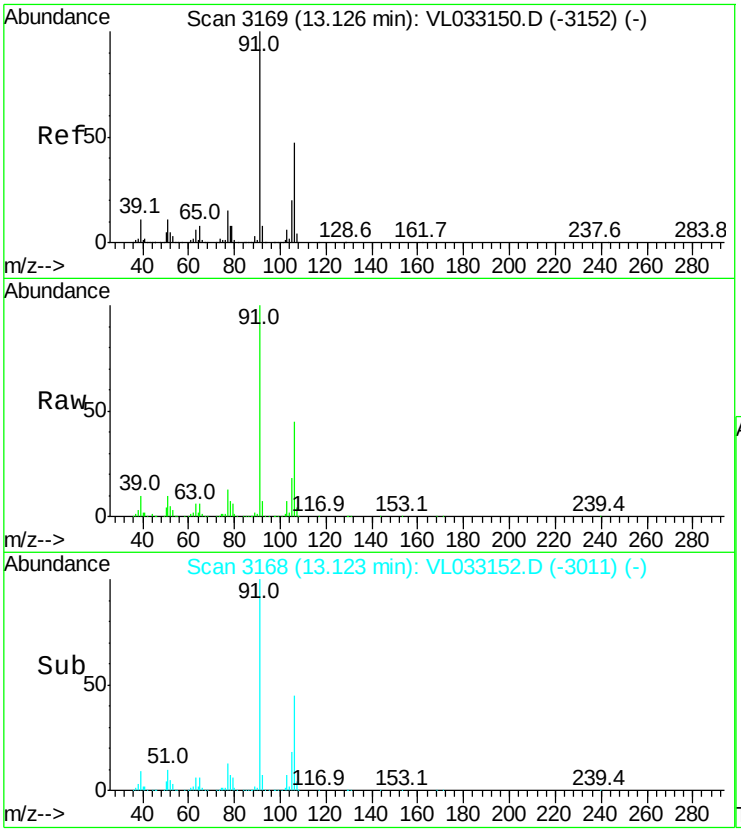


#58
Ethyl Benzene
Concen: 1.033 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 91 Resp: 723765

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.7	37.1



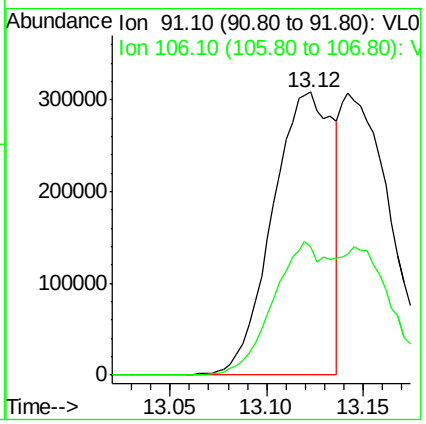


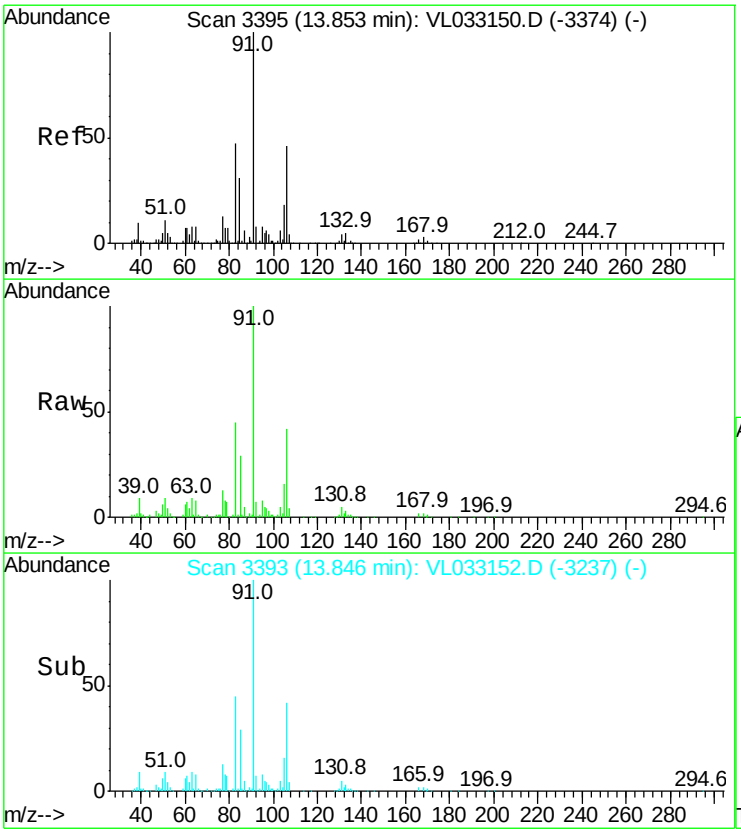
#59
m/p-Xylene
Concen: 1.166 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 666260

Ion	Ratio	Lower	Upper
91	100		
106	82.5	37.6	56.4#

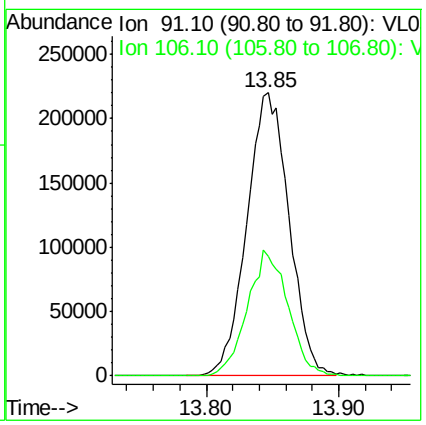


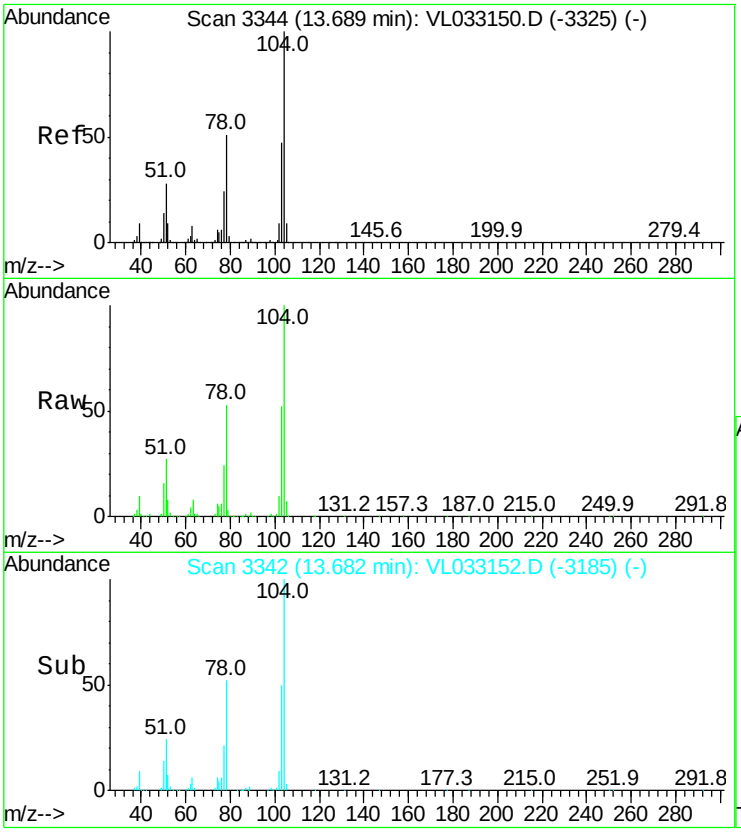


#60
o-Xylene
Concen: 0.884 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 91 Resp: 488162

Ion	Ratio	Lower	Upper
91	100		
106	42.8	23.2	69.5



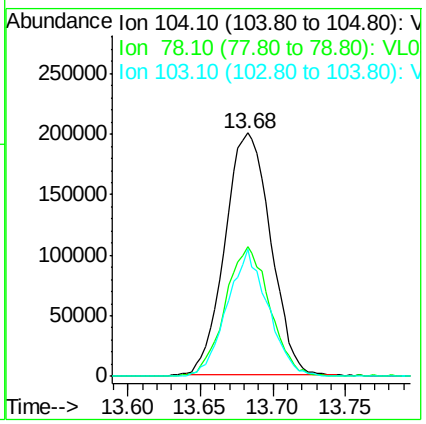


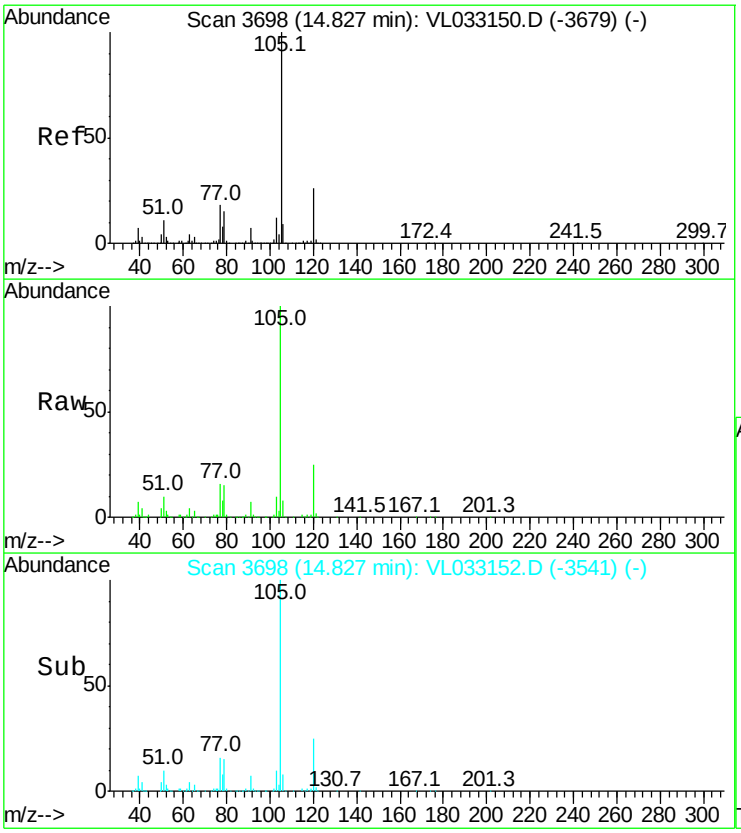
#61
Styrene
Concen: 1.034 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 438092

Ion	Ratio	Lower	Upper
104	100		
78	52.7	39.7	59.5
103	47.2	37.7	56.5

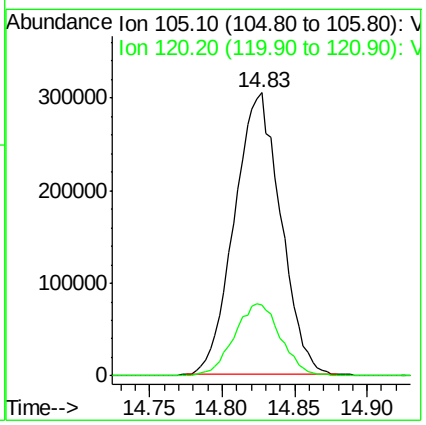


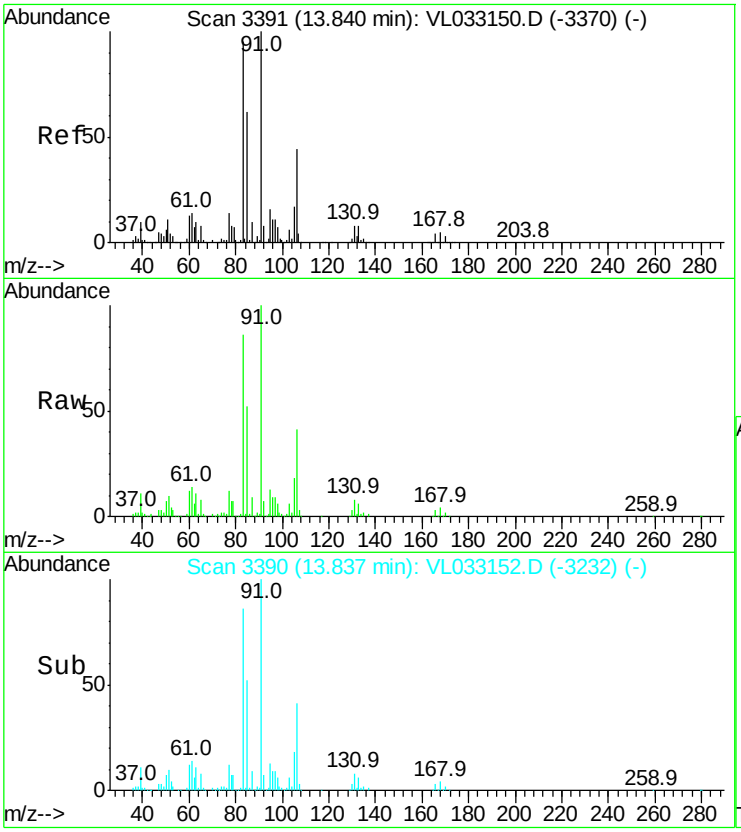


#62
Isopropylbenzene
Concen: 0.860 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:105 Resp: 675475

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.8	31.2



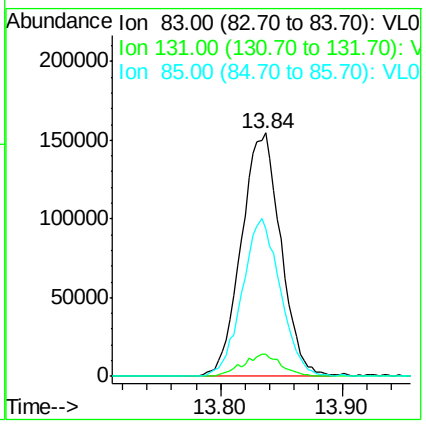


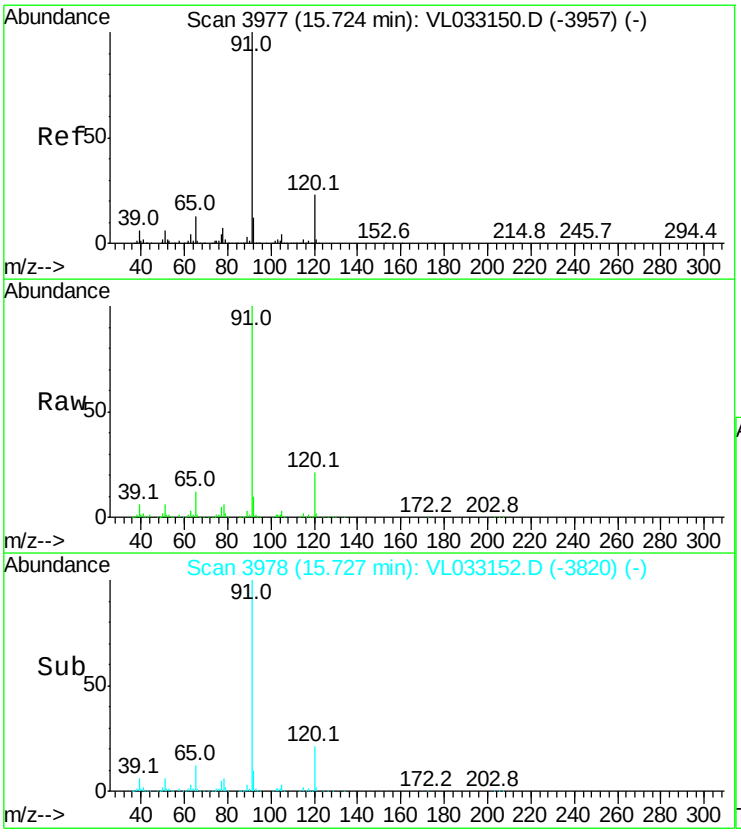
#63
1,1,2,2-Tetrachloroethane
Concen: 0.827 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 344845

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.5	13.7
85	63.0	32.5	97.4

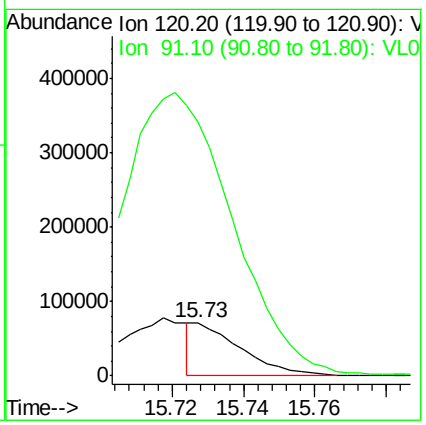


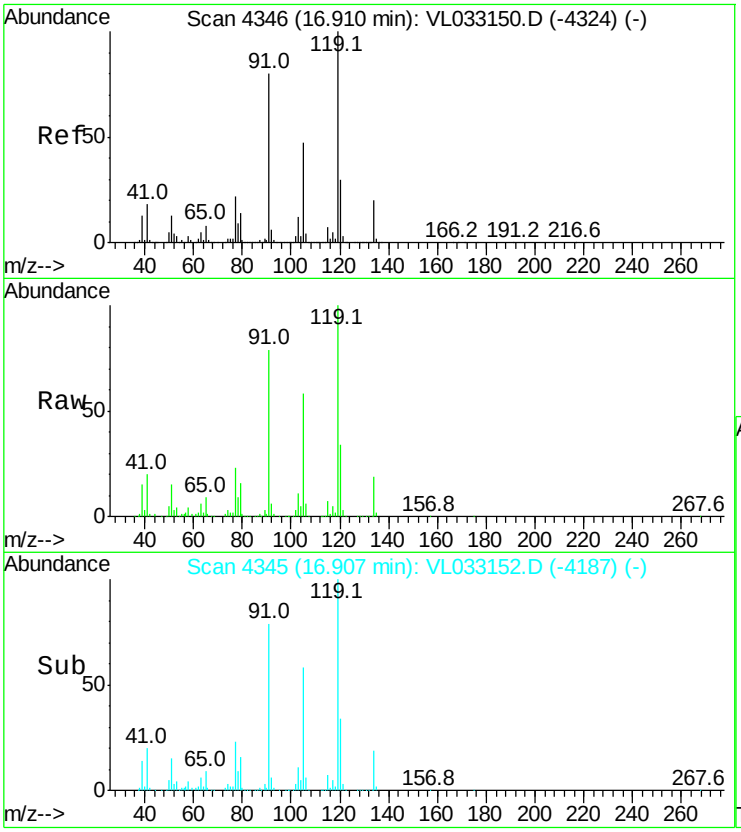


#64
n-propylbenzene
Concen: 0.328 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:120 Resp: 66028

Ion	Ratio	Lower	Upper
120	100		
91	0.0	370.2	555.2#



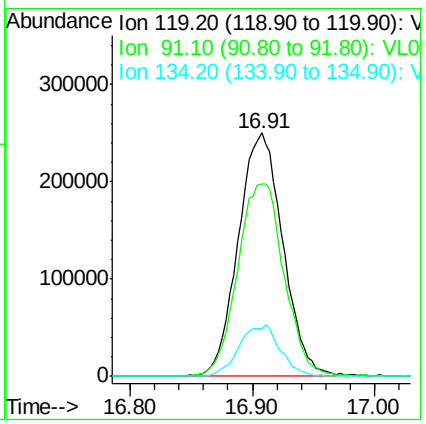


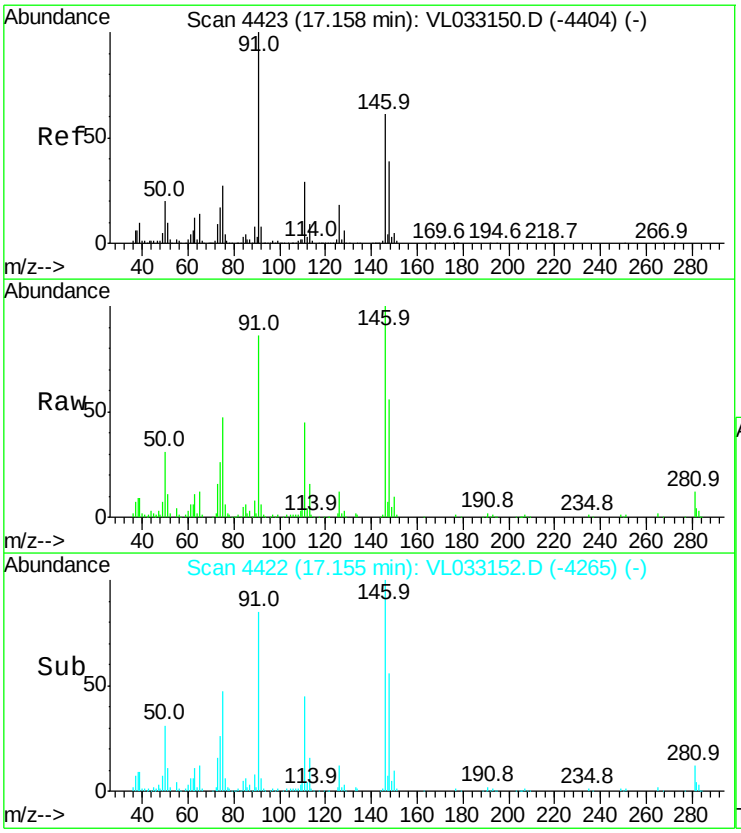
#65
tert-Butylbenzene
Concen: 0.956 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 632236

Ion	Ratio	Lower	Upper
119	100		
91	82.8	63.0	94.6
134	19.7	15.5	23.3

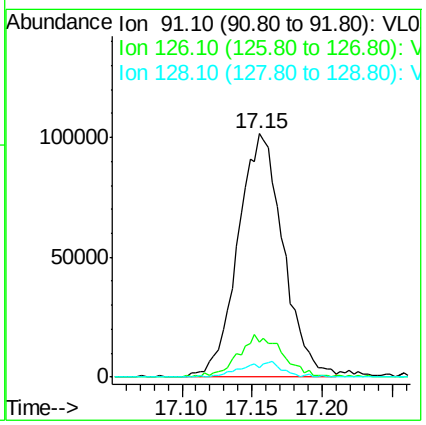


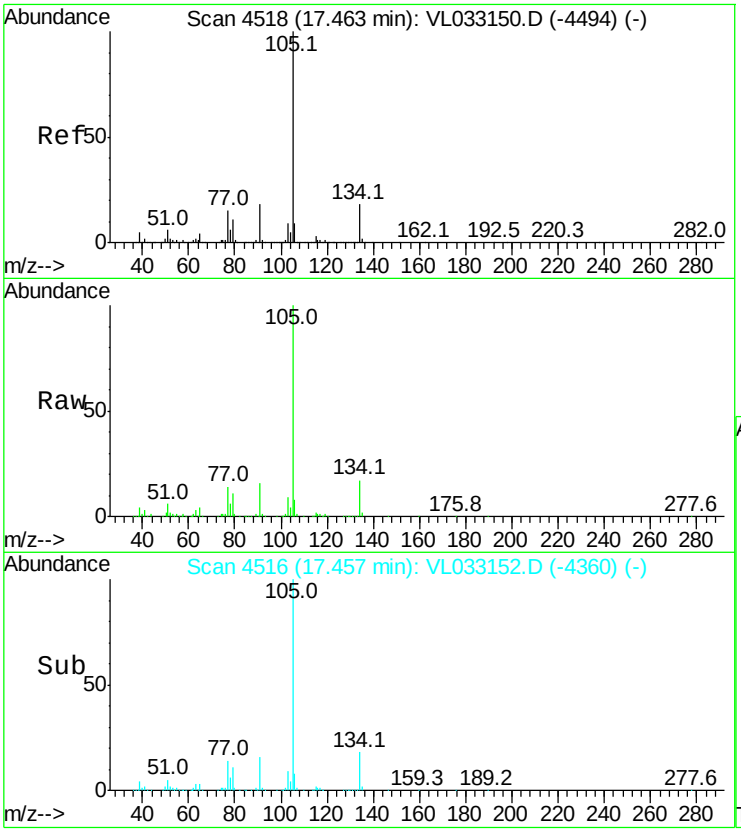


#66
Benzyl Chloride
Concen: 0.768 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 91 Resp: 227425

Ion	Ratio	Lower	Upper
91	100		
126	17.1	14.9	22.3
128	5.9	4.7	7.1



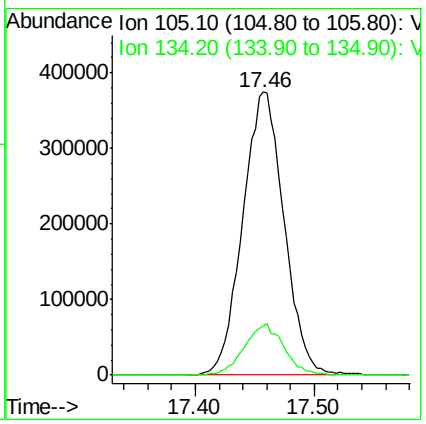


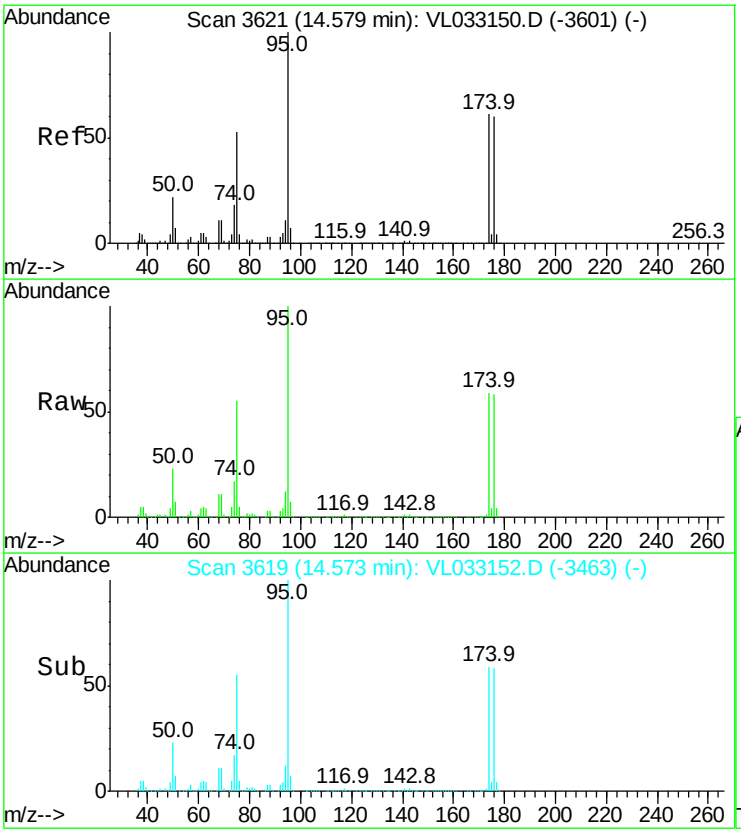
#67
sec-Butylbenzene
Concen: 0.956 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 897884

Ion	Ratio	Lower	Upper
105	100		
134	17.3	14.4	21.6

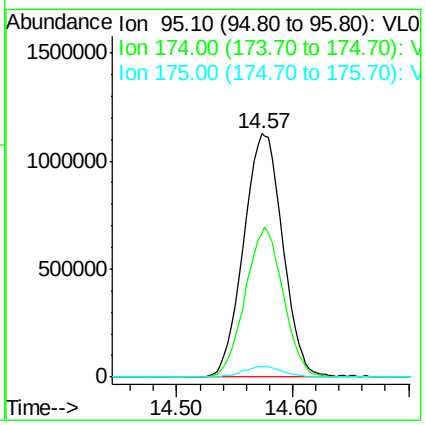


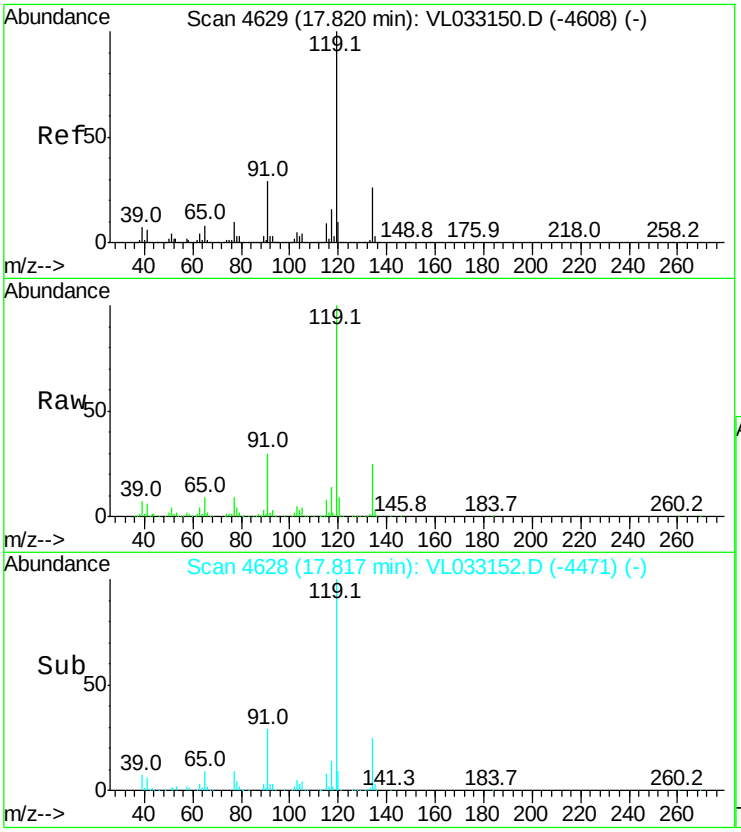


#68
1-Bromo-4-Fluorobenzene
Concen: 8.194 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 95 Resp: 2641756

Ion	Ratio	Lower	Upper
95	100		
174	59.9	49.2	73.8
175	4.5	3.7	5.5



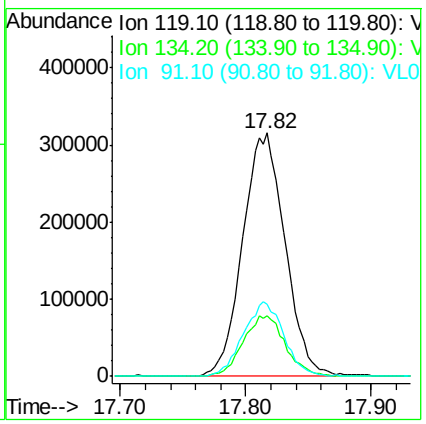


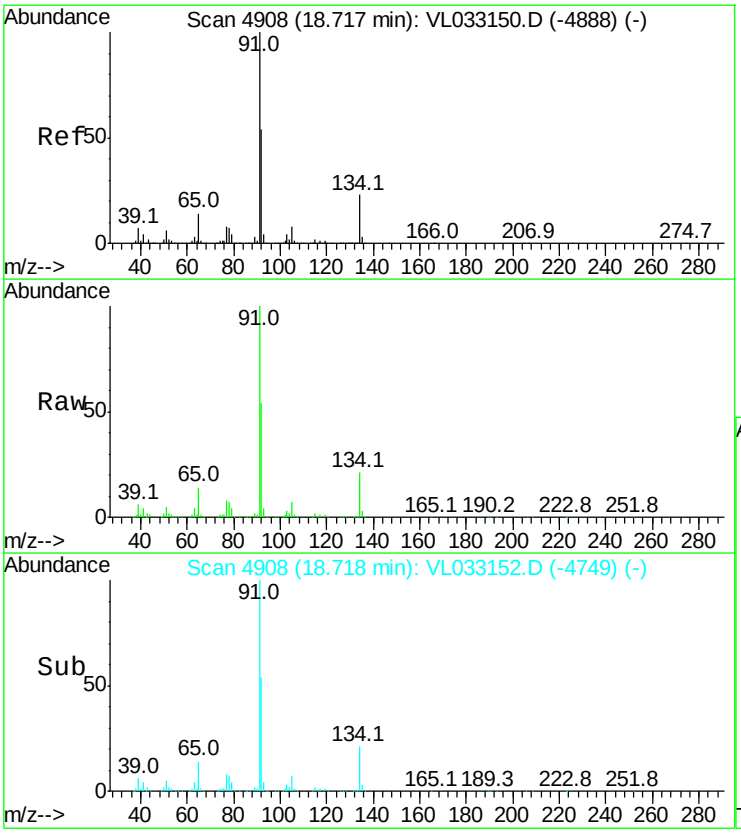
#69
p-Isopropyltoluene
Concen: 0.992 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 734001

Ion	Ratio	Lower	Upper
119	100		
134	24.9	20.3	30.5
91	30.0	22.6	33.8

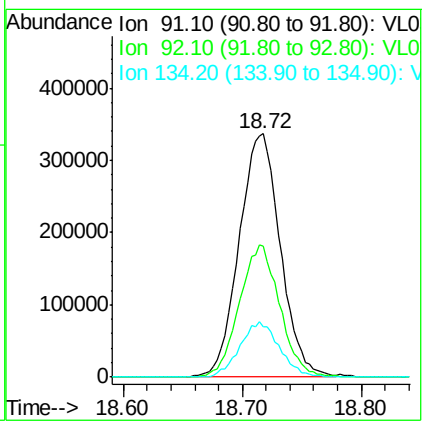


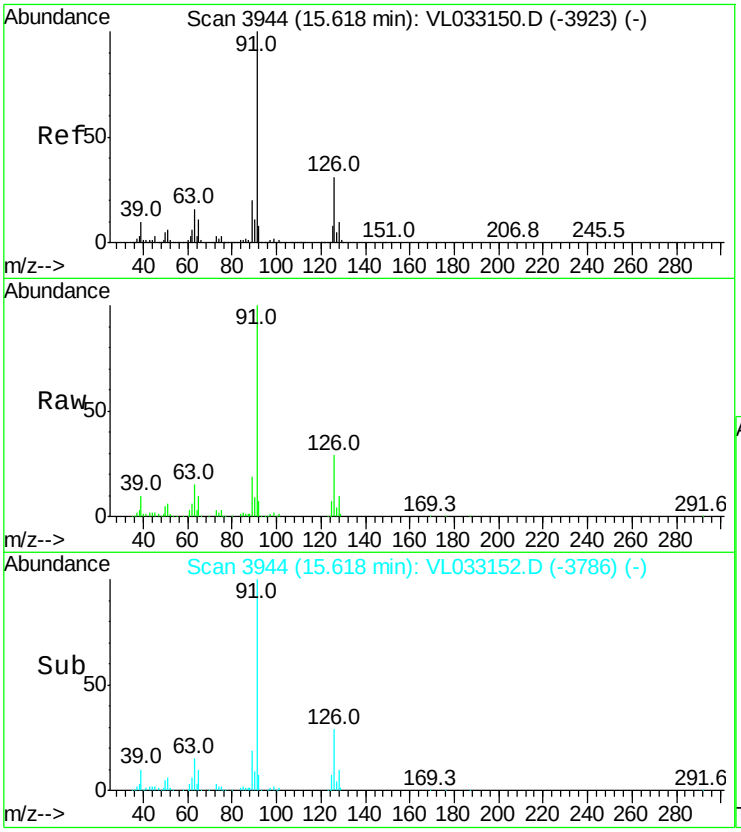


#70
n-Butylbenzene
Concen: 1.065 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion: 91 Resp: 802035

Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.7	65.5
134	22.1	18.4	27.6



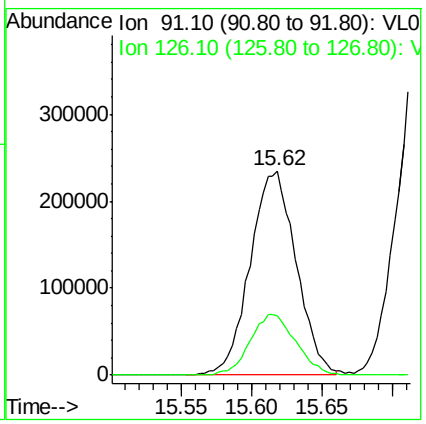


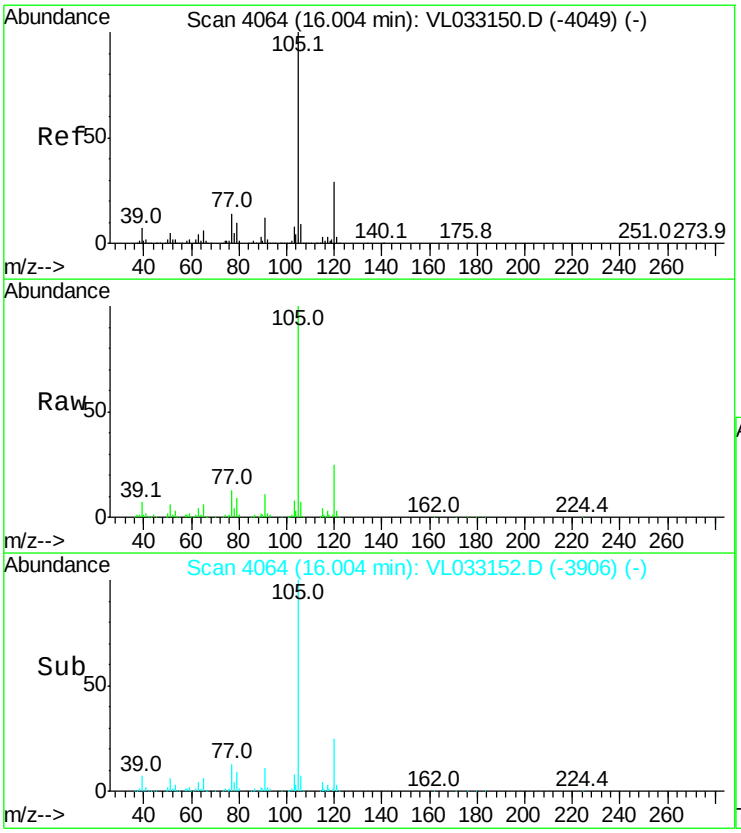
#71
2-Chlorotoluene
Concen: 0.894 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 534702

Ion	Ratio	Lower	Upper
91	100		
126	29.6	12.3	49.1

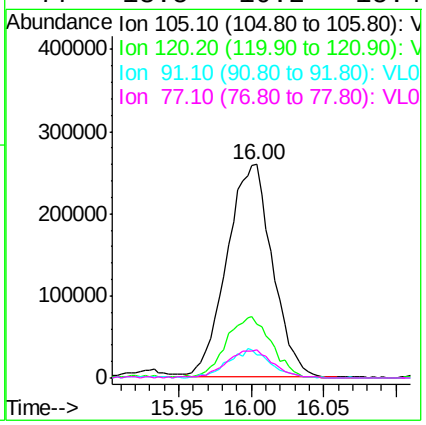


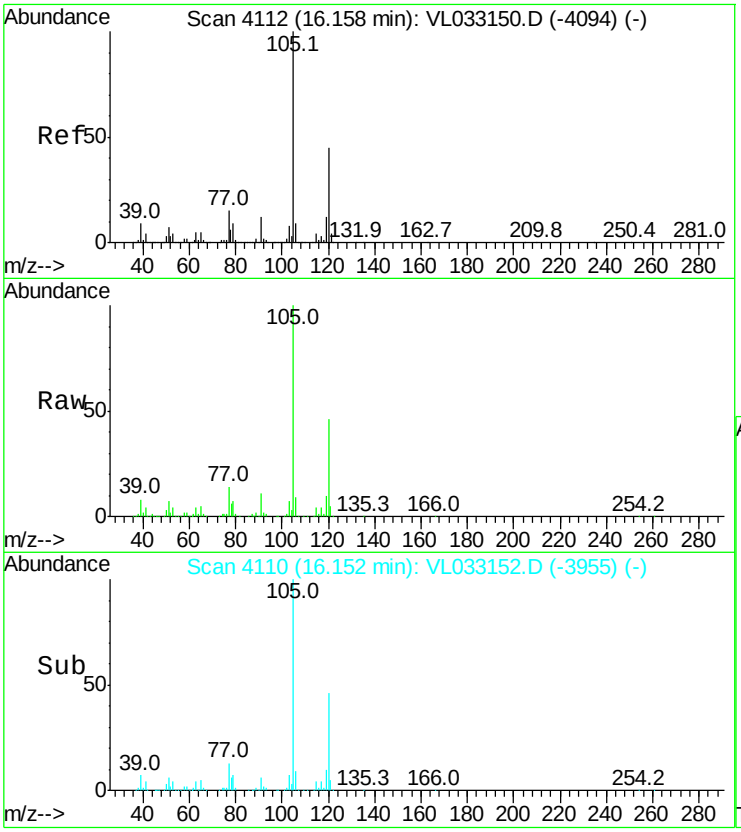


#72
4-Ethyltoluene
Concen: 0.914 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:105 Resp: 566019

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.2	34.8
91	12.8	9.5	14.3
77	13.5	10.2	15.4



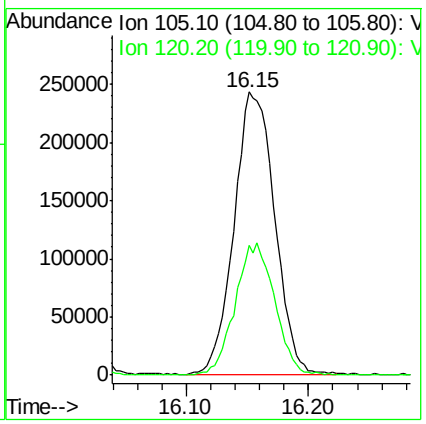


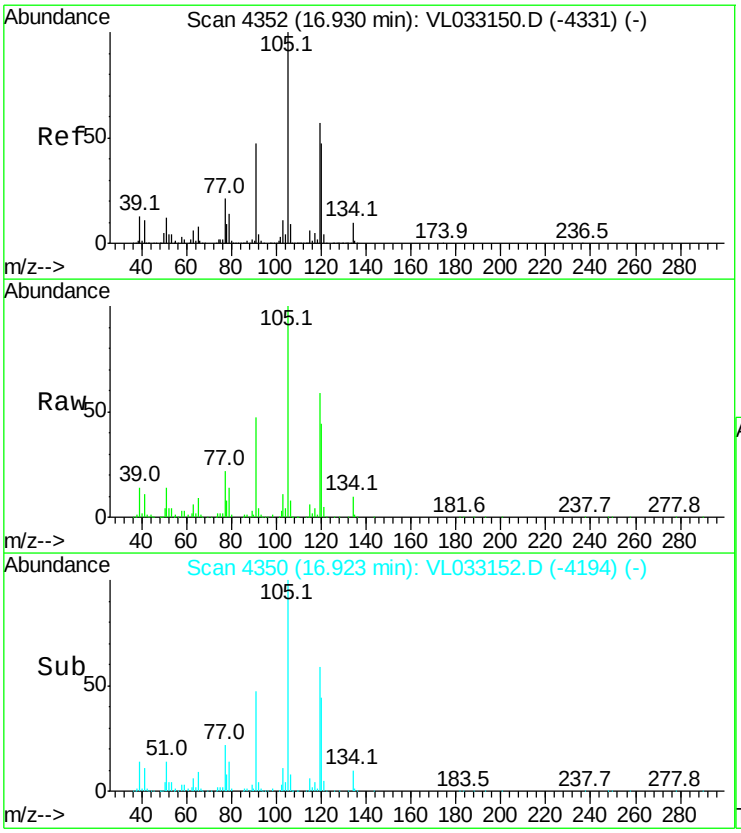
#73
1,3,5-Trimethylbenzene
Concen: 1.002 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 559669

Ion	Ratio	Lower	Upper
105	100		
120	45.8	38.0	57.0

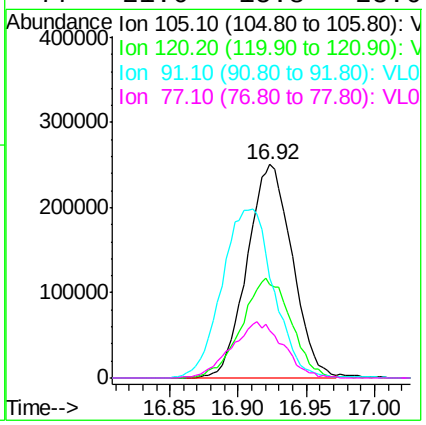


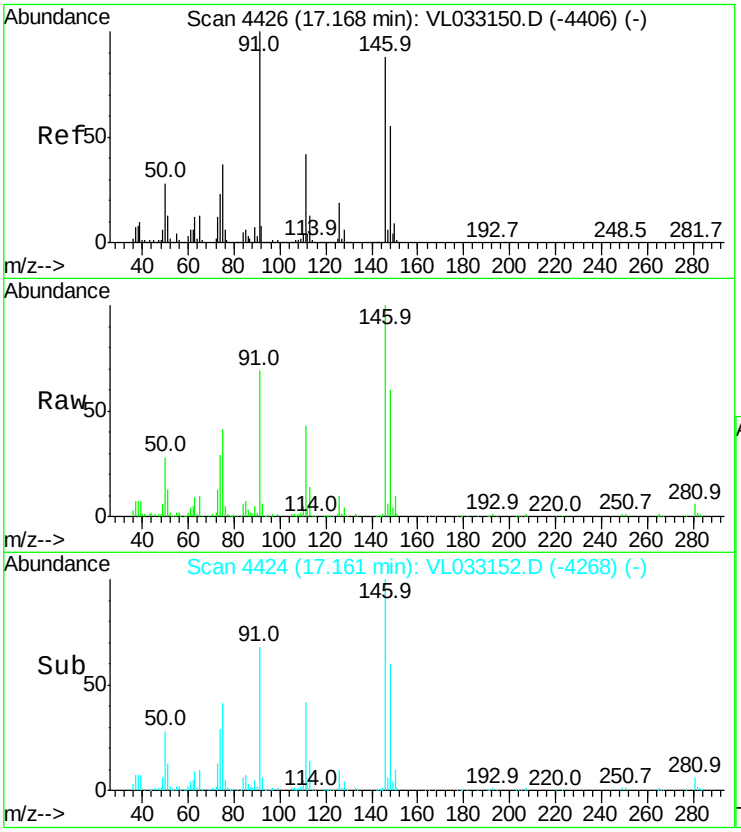


#74
1,2,4-Trimethylbenzene
Concen: 1.044 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:105 Resp: 574098

Ion	Ratio	Lower	Upper
105	100		
120	43.4	38.2	57.4
91	46.2	35.0	52.4
77	21.6	15.8	23.6



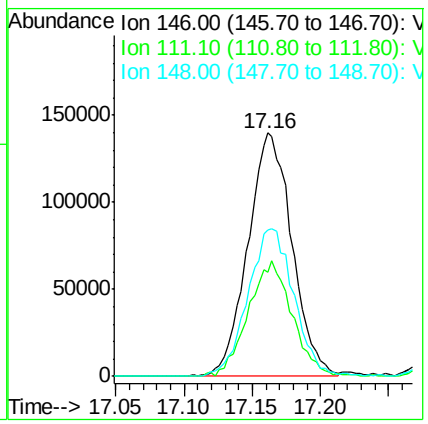


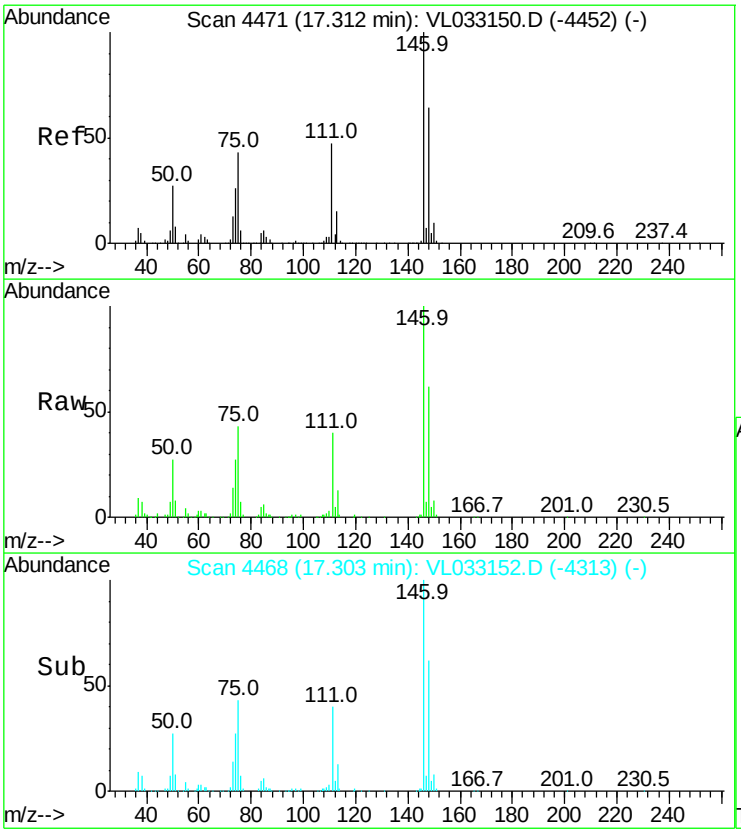
#75
1,3-Dichlorobenzene
Concen: 0.959 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:146 Resp: 314280

Ion	Ratio	Lower	Upper
146	100		
111	47.4	24.0	72.0
148	63.2	31.9	95.7

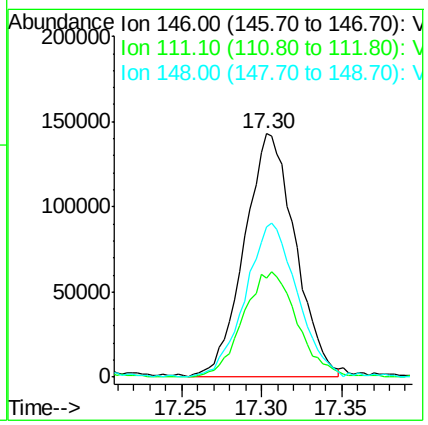


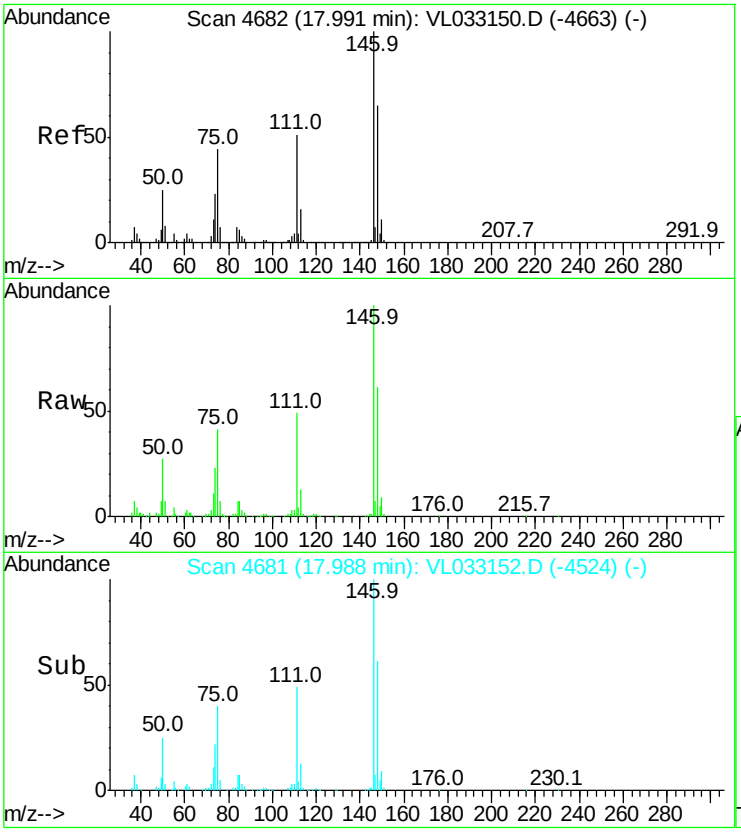


#76
1,4-Dichlorobenzene
Concen: 0.946 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:146 Resp: 309549

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.4	70.0
148	65.9	31.9	95.9



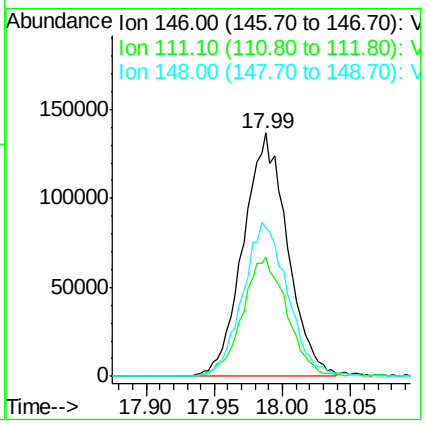


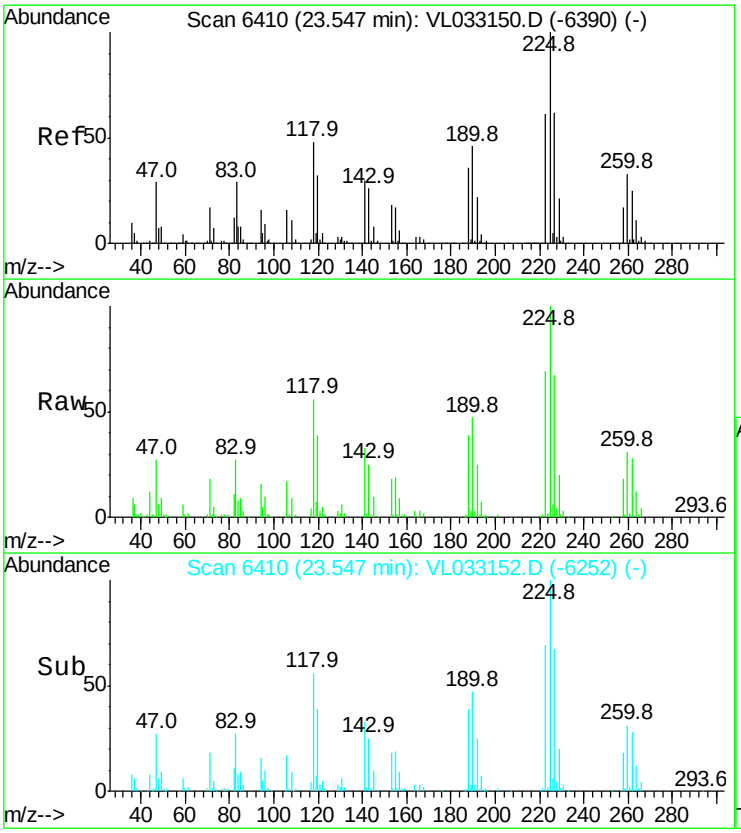
#77
1,2-Dichlorobenzene
Concen: 0.974 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 307892

Ion	Ratio	Lower	Upper
146	100		
111	49.6	25.1	75.3
148	64.5	32.0	96.2

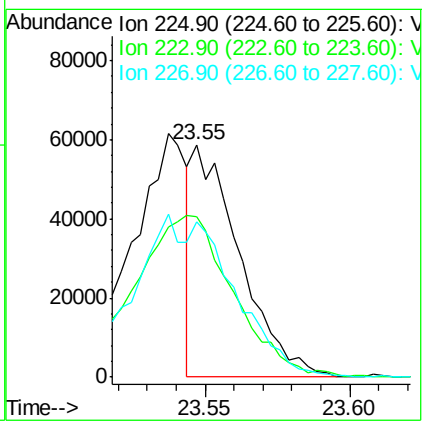


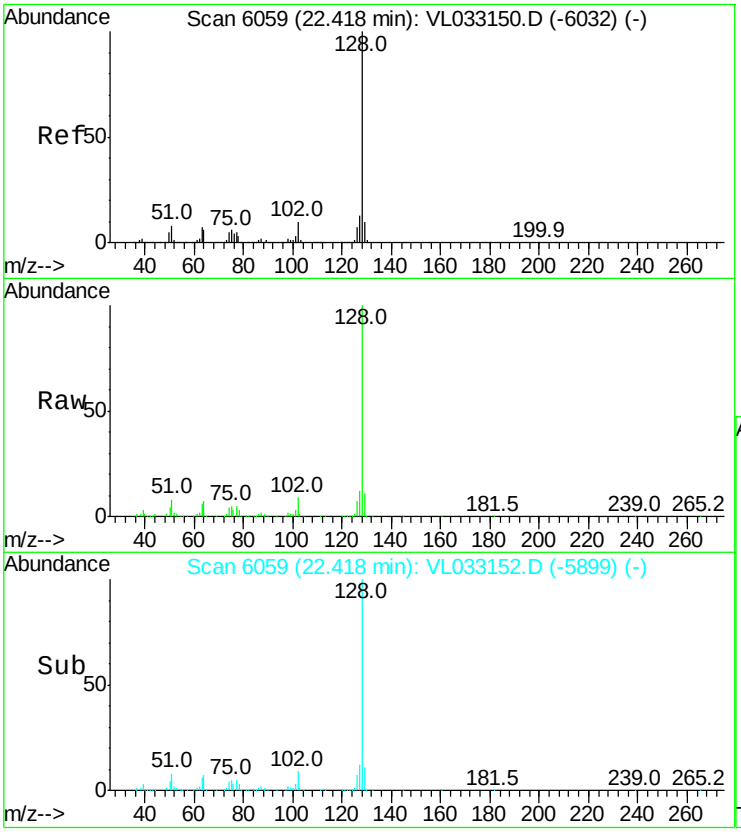


#78
Hexachloro-1,3-Butadiene
Concen: 0.452 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:225 Resp: 66203

Ion	Ratio	Lower	Upper
225	100		
223	149.1	50.2	75.4#
227	0.0	51.1	76.7#



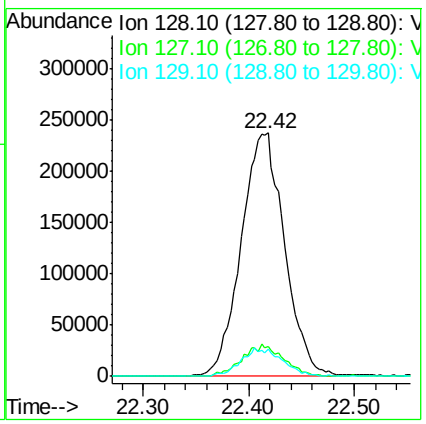


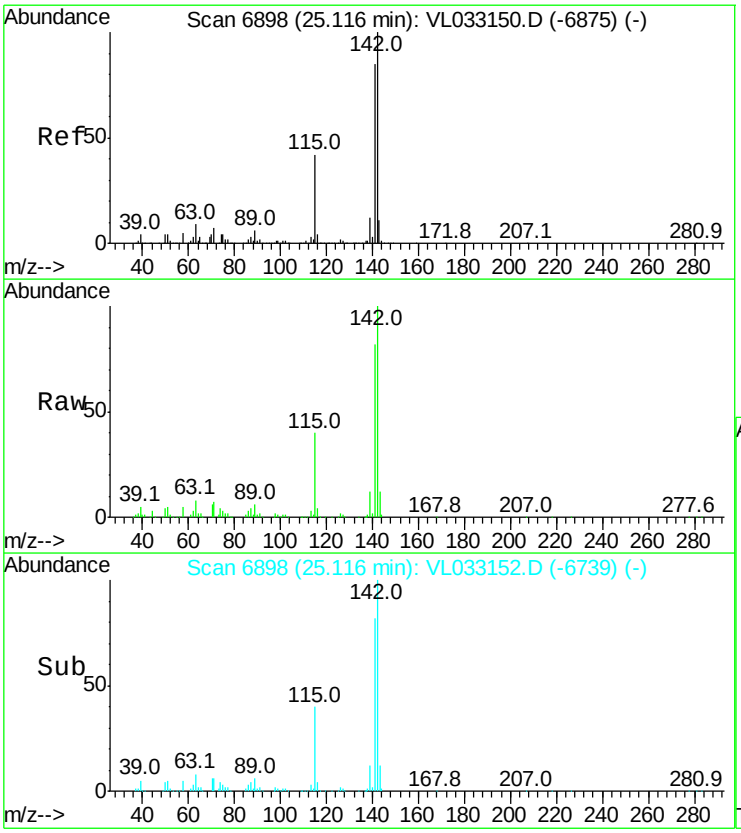
#79
Naphthalene
Concen: 1.881 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 678320

Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.6	16.0
129	11.1	9.0	13.4

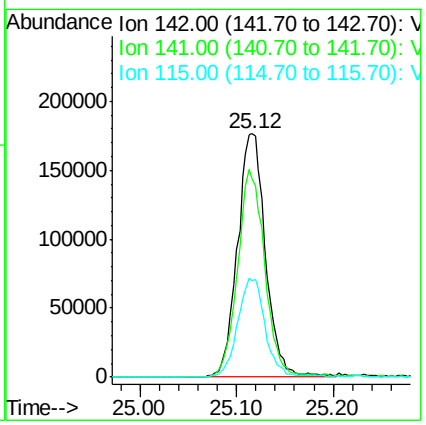


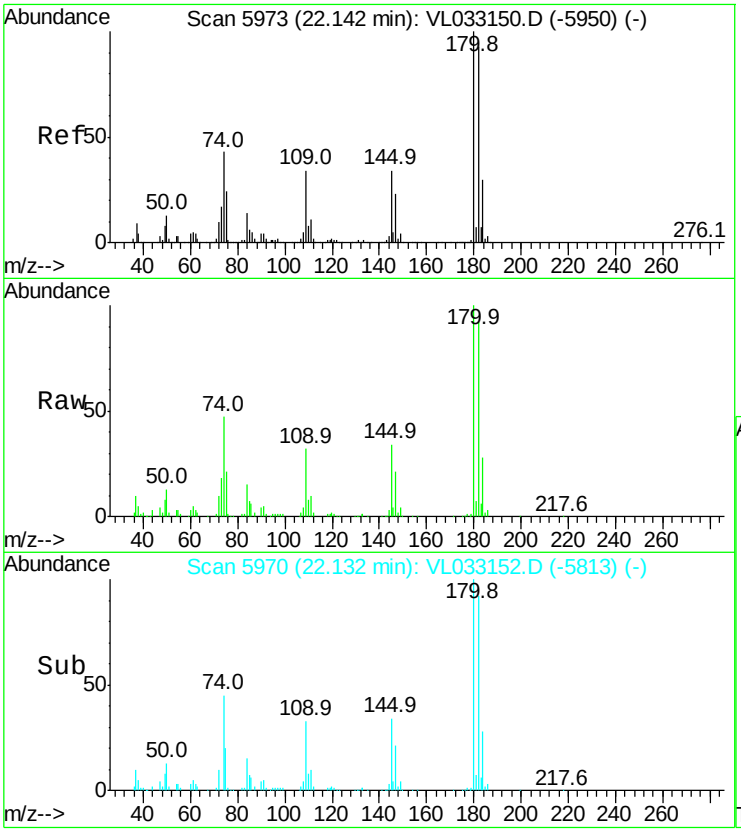


#80
Naphthalene,2-methyl-
Concen: 3.339 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Tgt Ion:142 Resp: 355142

Ion	Ratio	Lower	Upper
142	100		
141	83.1	66.5	99.7
115	40.5	31.3	46.9





#81
1,2,4-Trichlorobenzene
Concen: 0.916 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. 0.00 min
Lab File: VL033152.D
Acq: 4 Feb 2019 11:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 173897

Ion	Ratio	Lower	Upper
180	100		
182	166.9	76.2	114.4#
184	52.5	24.6	36.8#