Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

Quantitation Report (Not Reviewed)

Data File : VL033276.D
Acq On : 12 Mar 2019 4:53
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Mar 12 05:29:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 12 04:49:55 2019
QLast Update : Tue Mar 12 04:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	948318	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2146614	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2102027	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1685192	10.02	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	20882	0.106	ppbv		99
3) Chlorodifluoromethane	3.01	51	13678	0.114	ppbv		99
4) Chloromethane	3.17	50	6395	0.102	ppbv		93
5) Vinyl Chloride	3.30	62	5994	0.099	ppbv	#	82
6) Bromomethane	3.52	94	3966	0.103	ppbv	#	55
7) Chloroethane	3.60	64	1527	0.068	ppbv		94
8) Dichlorotetrafluoroethane	3.22	85	15763	0.101	ppbv		98
9) Propene	3.04	41	6903	0.130	ppbv		91
10) Heptane	8.25	43	11582	0.092	ppbv		100
11) Trichlorofluoromethane	4.01	101	17914	0.109	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	5293	0.051	ppbv	#	14
13) Ethanol	3.67	45	2747	0.185	ppbv	#	56
14) Bromoethene	3.79	108	2968	0.070	ppbv	#	42
15) Acetone	3.93	43	19423	0.165	ppbv		95
16) 1,3-Butadiene	3.36	39	3185	0.063	ppbv	#	2
18) 1,1-Dichloroethene	4.36	96	5000	0.110	ppbv		88
19) Isopropyl Alcohol	4.06	45	9000	0.127	ppbv	#	93
20) Methylene Chloride	4.41	84	4772	0.102	ppbv	#	83
21) Allyl Chloride	4.48	41	6849	0.100	ppbv	#	82
22) trans-1,2-Dichloroethene	4.96	96	3480	0.072	ppbv	#	90
23) Vinyl Acetate	5.16	43	16983	0.104	ppbv	#	78
24) 1,1-Dichloroethane	5.09	63	14021	0.113	ppbv		98
25) Ethyl Acetate	5.78	43	12187	0.056	ppbv	#	76
26) Hexane	5.78	57	5084	0.050	ppbv	#	1
27) Carbon Disulfide	4.62	76	2555	0.025	ppbv	#	63
28) Methyl tert-Butyl Ether	5.14	73	13499	0.101	ppbv		98
29) Chloroform	5.84	83	17091	0.110	ppbv		98
30) Cyclohexane	7.24	84	2120	0.028	ppbv	#	1
31) cis-1,2-Dichloroethene	5.64	61	7130	0.074	ppbv	#	83
32) 1,1,1-Trichloroethane	6.62	97	5758	0.039	ppbv	#	1
34) 2-Butanone	5.36	43	13750	0.103	ppbv		97
35) Carbon Tetrachloride	7.13	117	14247	0.097	ppbv		92
36) Benzene	7.01	78	19526	0.103	ppbv	#	93
37) 1,2-Dichloroethane	6.41	62	8643	0.071	ppbv	#	83
38) Trichloroethene	7.96	130	3327	0.046	ppbv	#	60
39) 1,2-Dichloropropane	7.29	63	573846	7.905	ppbv	#	25
41) Tetrahydrofuran	6.18	42	3502	0.047	ppbv	#	37
42) Bromodichloromethane	7.91	83	15834	0.098	ppbv	#	82
44) 2,2,4-Trimethylpentane	7.99	57	23533	0.072	ppbv	#	59
46) cis-1,3-Dichloropropene	8.83	75	2372	0.022	ppbv	#	80
47) 1,1,2-Trichloroethane	9.61	97	5547	0.071	ppbv	#	64

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

Quantitation Report (Not Reviewed)

Data File : VL033276.D
Acq On : 12 Mar 2019 4:53
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Mar 12 05:29:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 12 04:49:55 2019
QLast Update : Tue Mar 12 04:49:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) Dibromochloromethane	10.45	129	3673	0.029	ppbv	#	11
49) Bromoform	13.19	173	2395	0.021	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.91	43	16069	0.082	ppbv		95
52) Tetrachloroethene	11.37	164	2121	0.031	ppbv	#	41
53) Toluene	9.95	91	12858	0.061	ppbv	#	74
54) 1,2-Dibromoethane	10.77	107	3935	0.032	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.28	131	5741	0.065	ppbv	#	5
57) Chlorobenzene	12.30	112	11307	0.073	ppbv	#	82
58) Ethyl Benzene	12.87	91	12600	0.044	ppbv		93
60) o-Xylene	13.85	91	16963	0.068	ppbv		89
61) Styrene	13.69	104	5763	0.034	ppbv	#	21
63) 1,1,2,2-Tetrachloroethane	13.84	83	7290	0.045	ppbv	#	25
64) n-propylbenzene	15.72	120	4044	0.050	ppbv	#	1
67) sec-Butylbenzene	17.46	105	17145	0.043	ppbv	#	60
69) p-Isopropyltoluene	17.81	119	8780	0.027	ppbv	#	48
70) n-Butylbenzene	18.71	91	8594	0.025	ppbv	#	34
71) 2-Chlorotoluene	15.62	91	12165	0.049	ppbv	#	45
72) 4-Ethyltoluene	16.00	105	17887	0.069	ppbv	#	93
73) 1,3,5-Trimethylbenzene	16.15	105	8854	0.036	ppbv		95
75) 1,3-Dichlorobenzene	17.16	146	5434	0.036	ppbv	#	1
76) 1,4-Dichlorobenzene	17.30	146	6242	0.042	ppbv	#	24
77) 1,2-Dichlorobenzene	17.98	146	4659	0.032	ppbv	#	23
78) Hexachloro-1,3-Butadiene	23.54	225	6568	0.059	ppbv	#	19

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

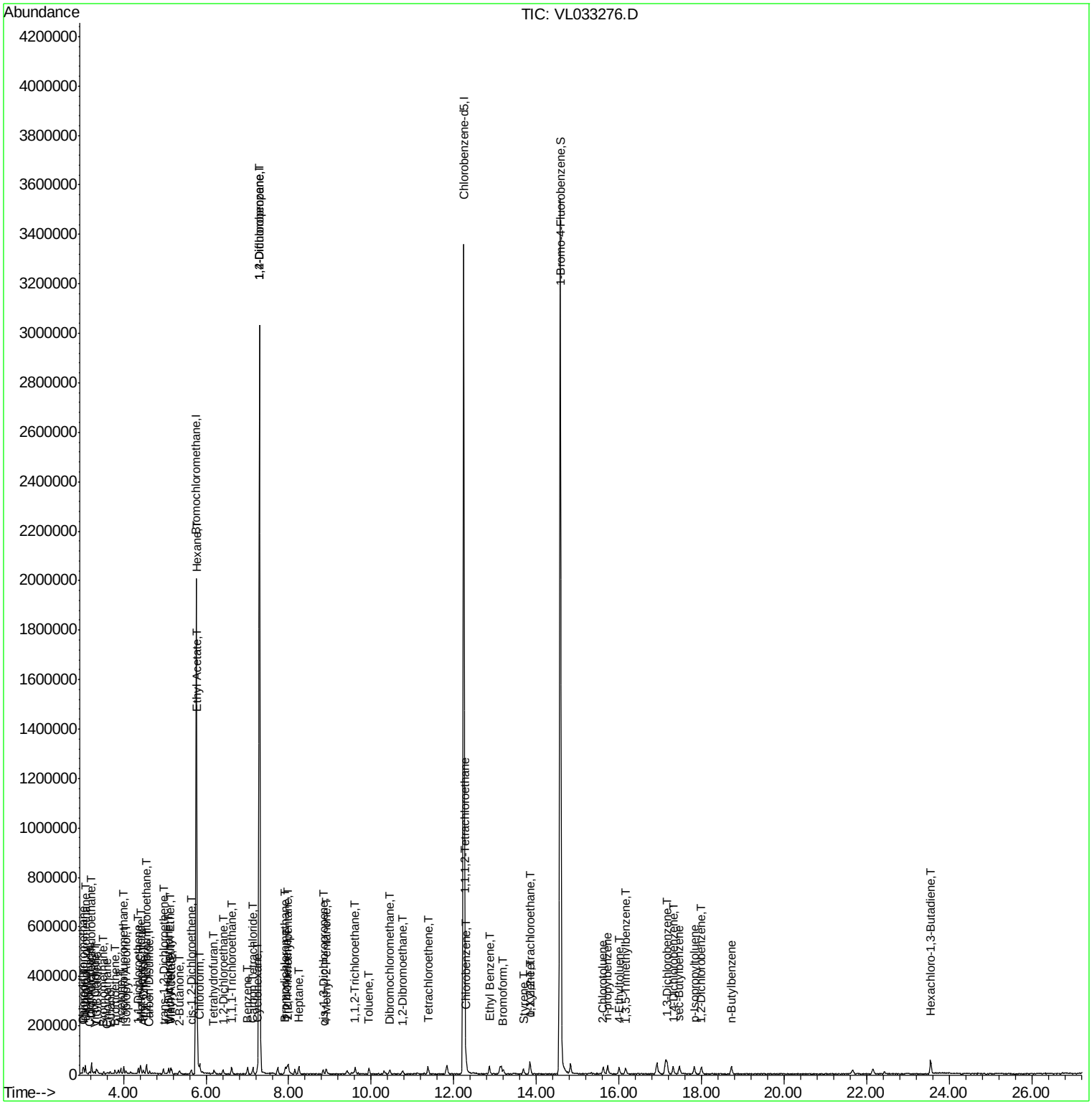
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\

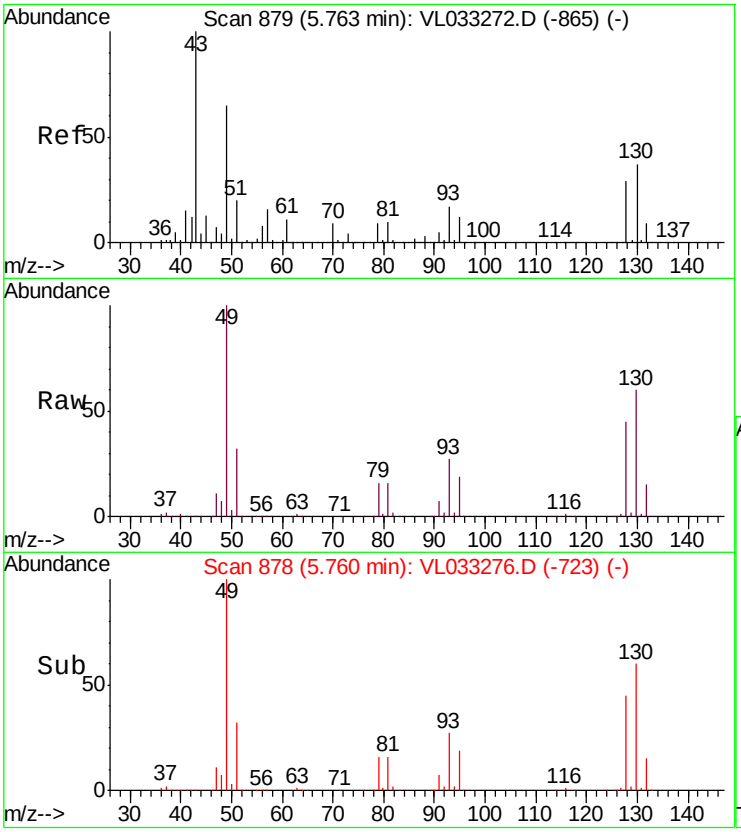
Quantitation Report (Not Reviewed)

Data File : VL033276.D
Acq On : 12 Mar 2019 4:53
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Mar 12 05:29:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 12 04:49:55 2019
QLast Update : Tue Mar 12 04:49:55 2019
Response via : Initial Calibration



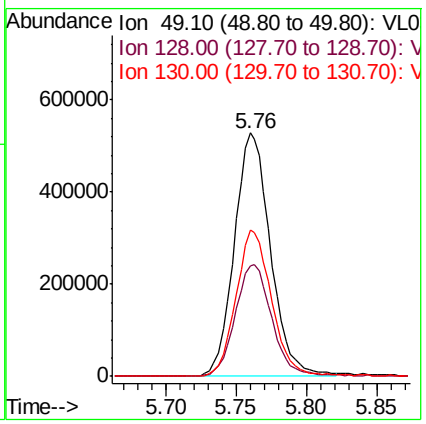


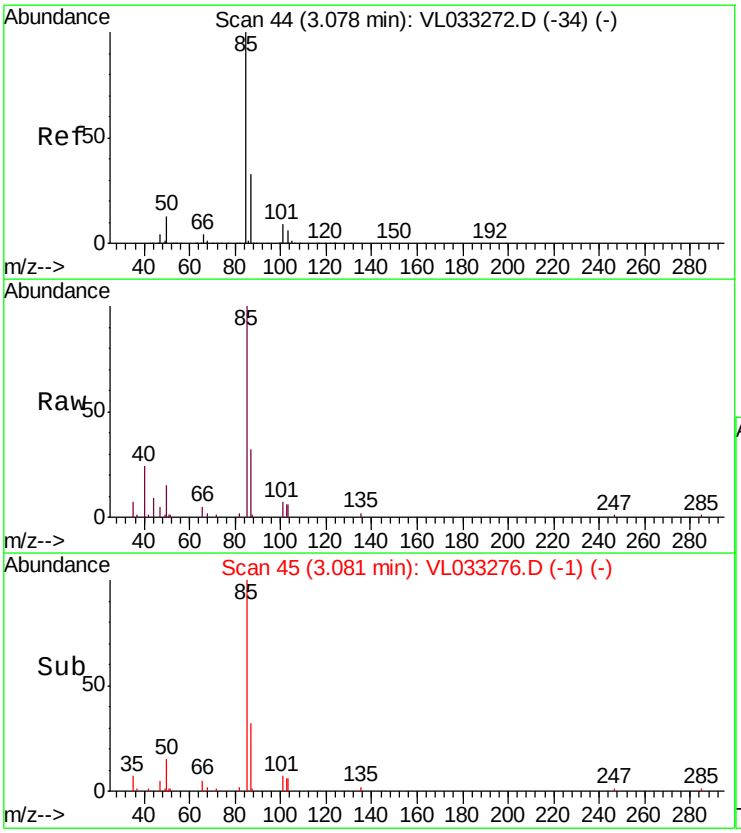
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 948318

Ion	Ratio	Lower	Upper
49	100		
128	46.6	23.3	69.9
130	59.9	30.0	90.1

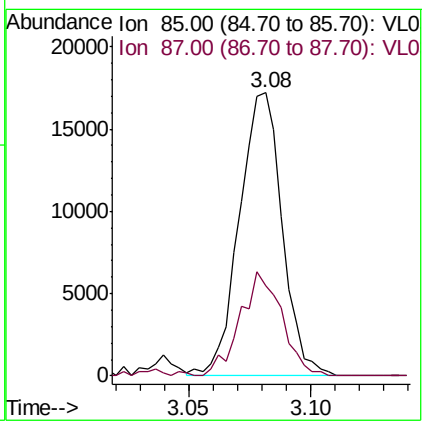


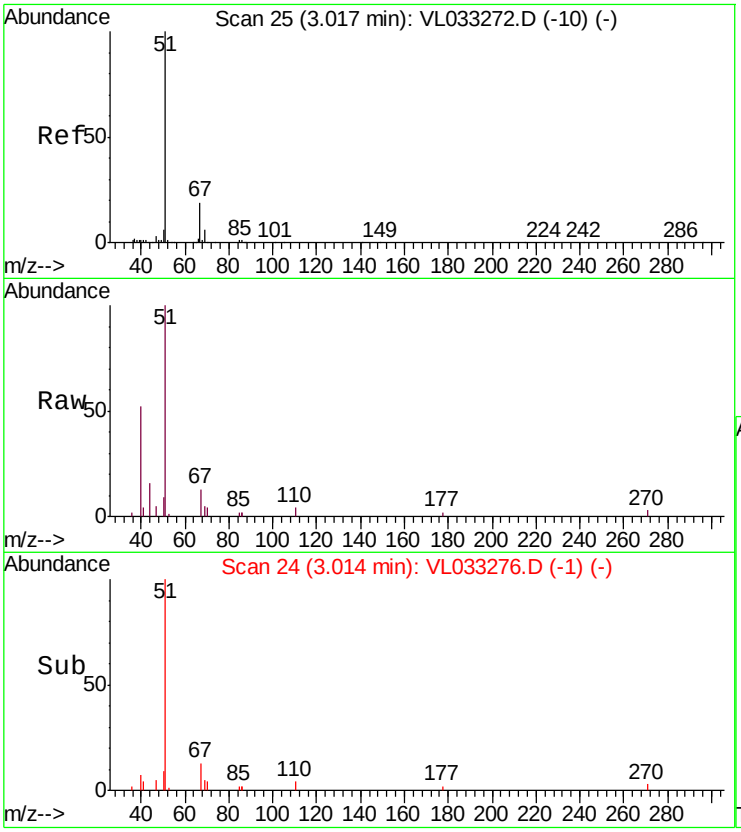


#2
Dichlorodifluoromethane
Concen: 0.106 ppbv
RT: 3.08 min Scan# 45
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 85 Resp: 20882

Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.4	39.6



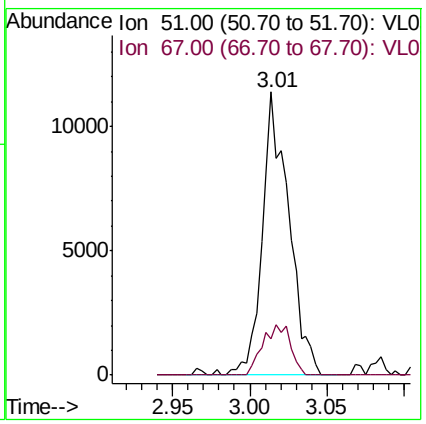


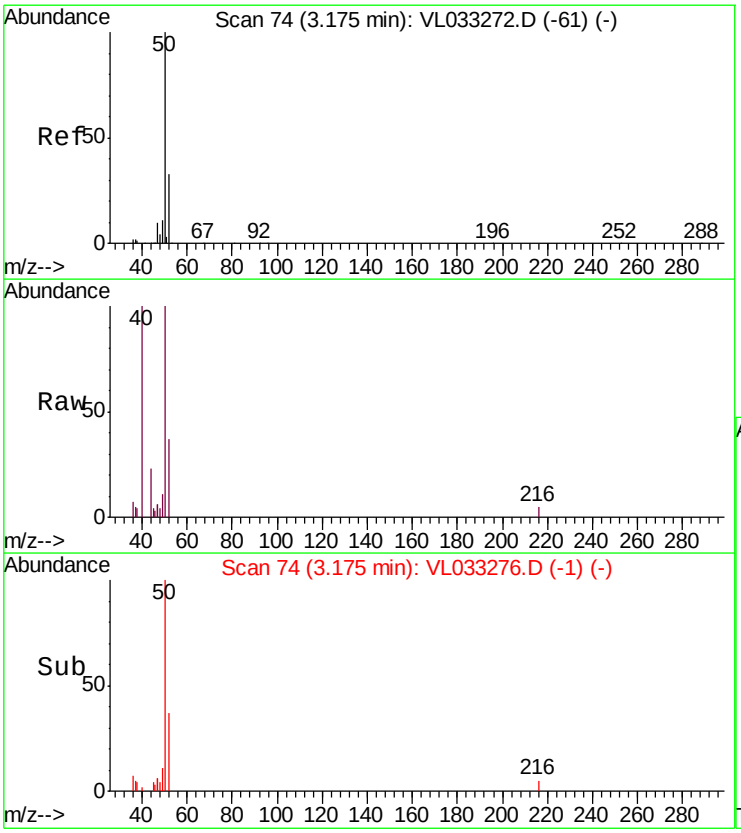
#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 51 Resp: 13678

Ion	Ratio	Lower	Upper
51	100		
67	18.5	15.0	22.4

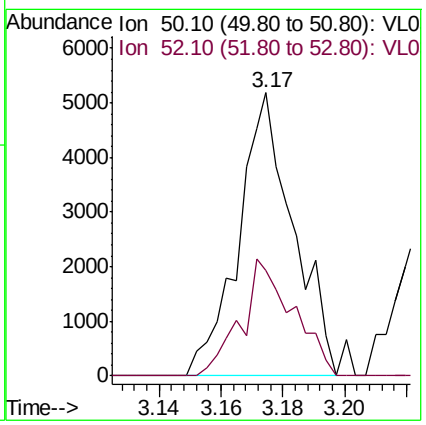


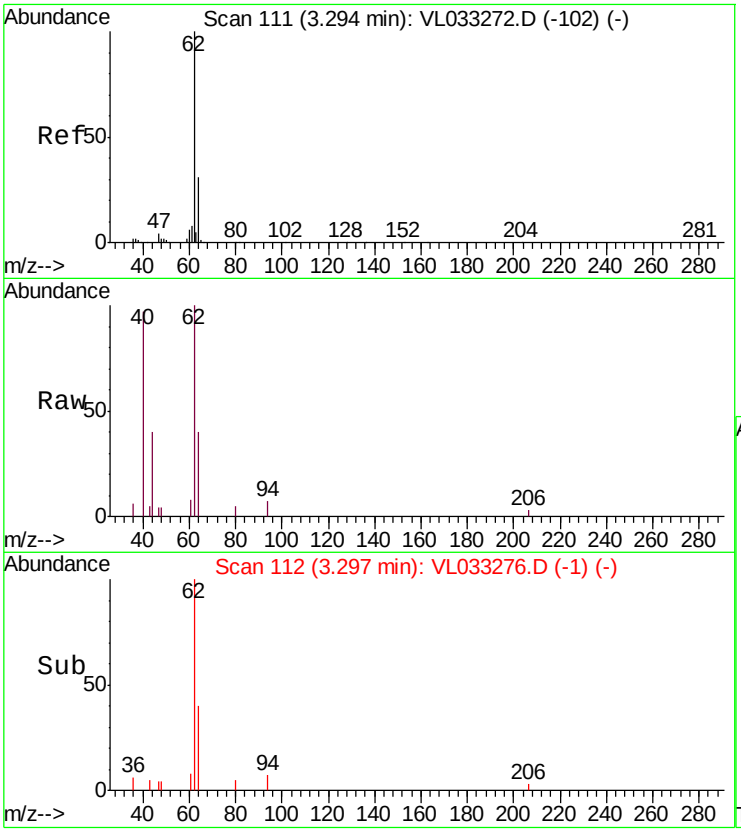


#4
Chloromethane
Concen: 0.102 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 50 Resp: 6395

Ion	Ratio	Lower	Upper
50	100		
52	37.4	26.6	39.8



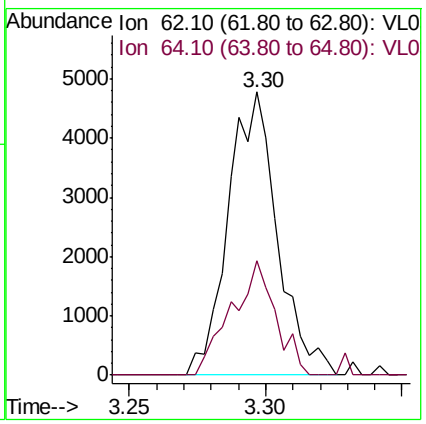


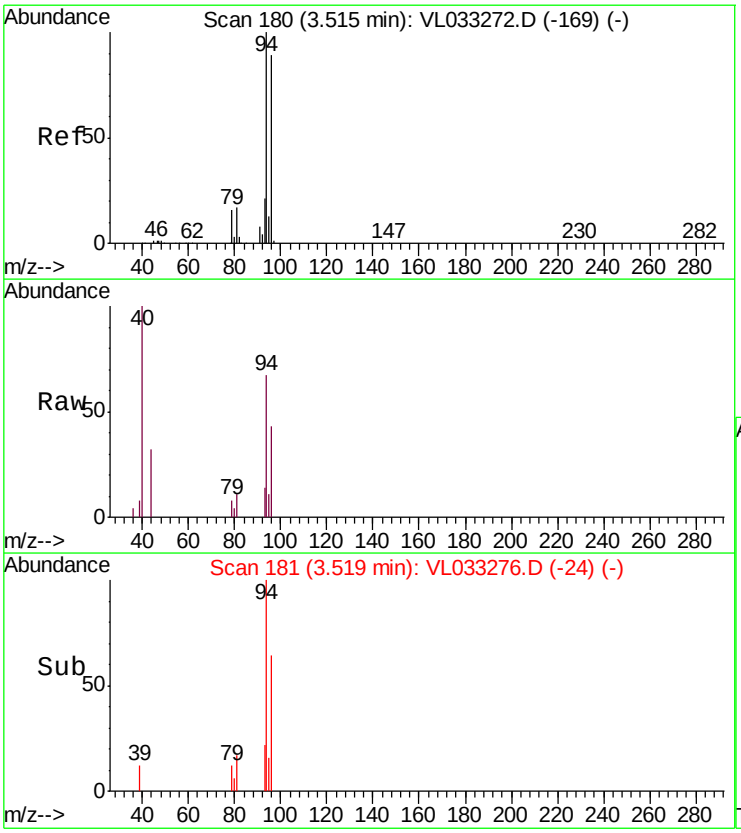
#5
Vinyl Chloride
Concen: 0.099 ppbv
RT: 3.30 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 62 Resp: 5994

Ion	Ratio	Lower	Upper
62	100		
64	40.3	24.5	36.7#

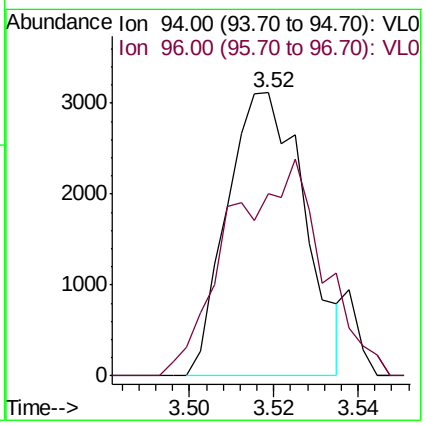


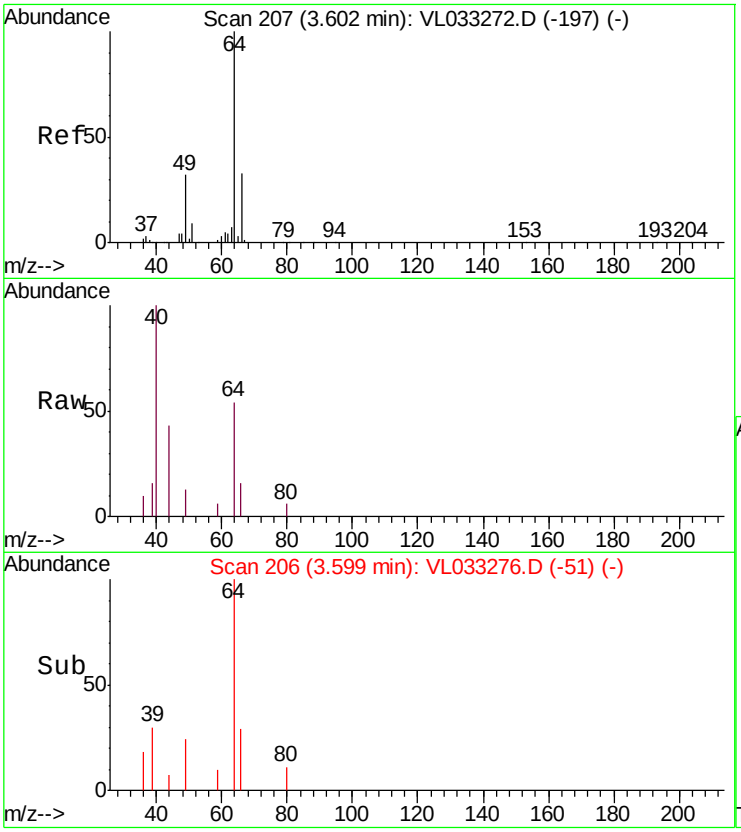


#6
Bromomethane
Concen: 0.103 ppbv
RT: 3.52 min Scan# 181
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 94 Resp: 3966

Ion	Ratio	Lower	Upper
94	100		
96	46.7	71.3	106.9#



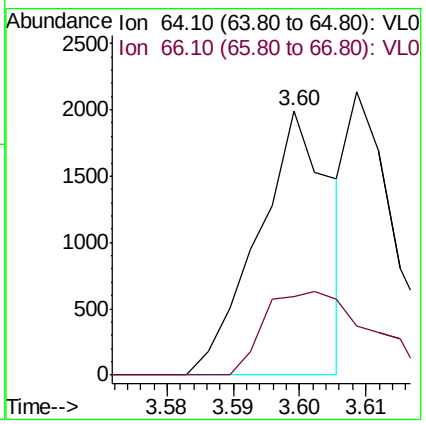


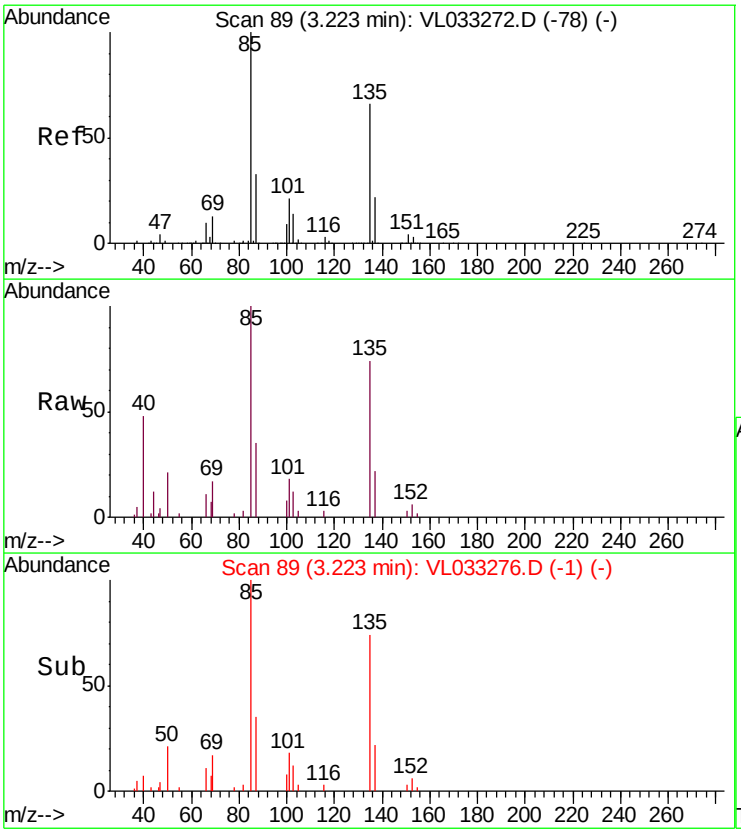
#7
Chloroethane
Concen: 0.068 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 1527

Ion	Ratio	Lower	Upper
64	100		
66	29.5	26.2	39.2

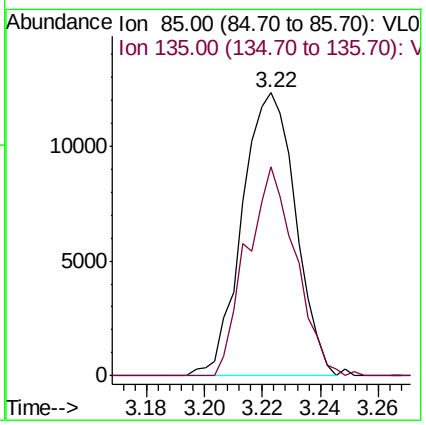


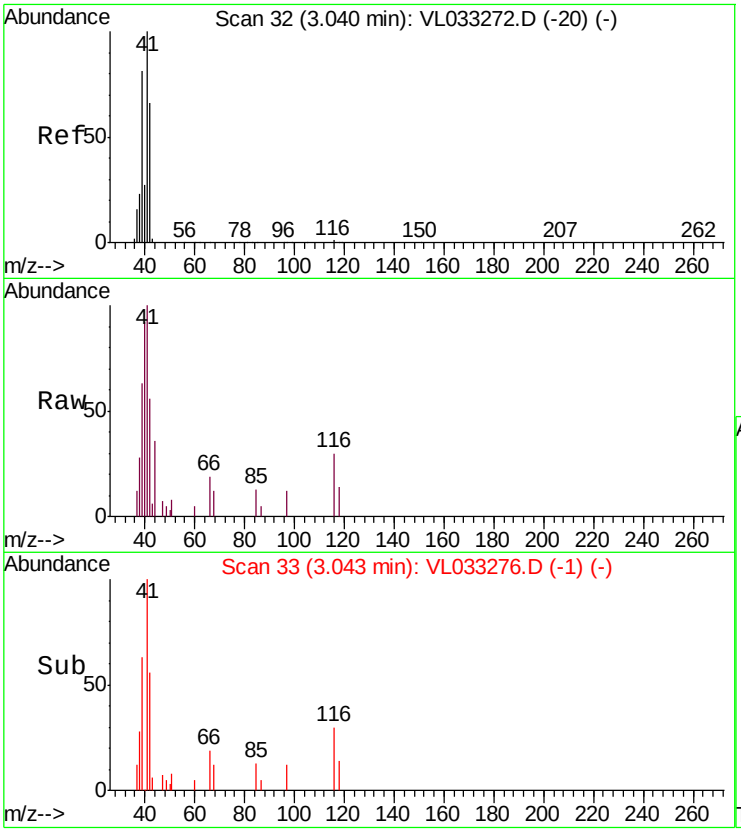


#8
Dichlorotetrafluoroethane
Concen: 0.101 ppbv
RT: 3.22 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 85 Resp: 15763

Ion	Ratio	Lower	Upper
85	100		
135	68.1	53.4	80.2



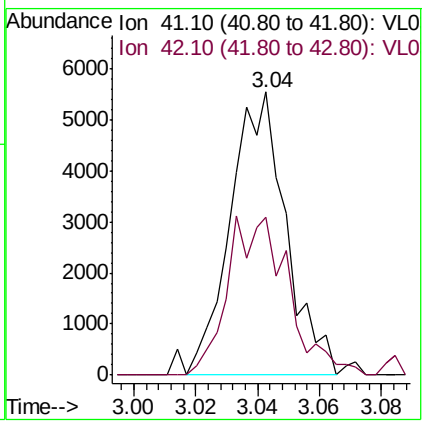


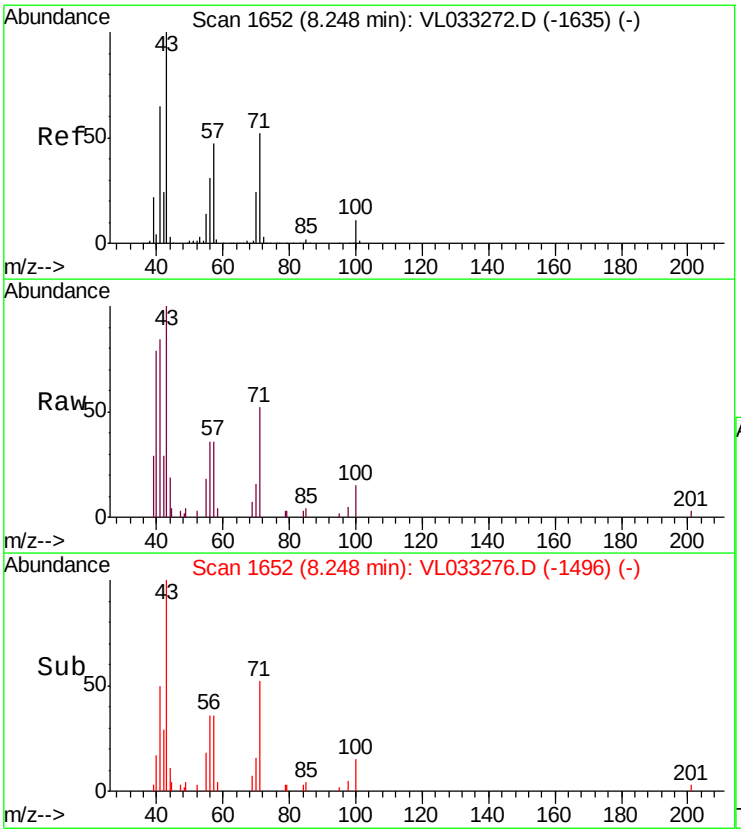
#9
Propene
Concen: 0.130 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 6903

Ion	Ratio	Lower	Upper
41	100		
42	61.0	54.6	82.0

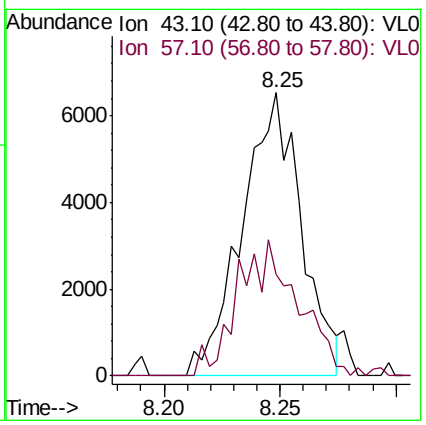


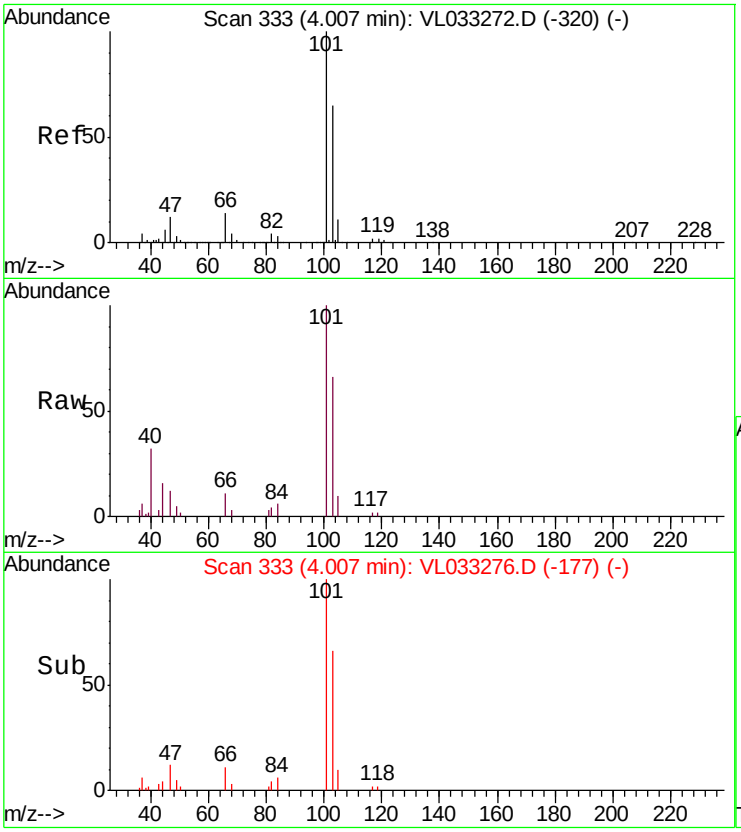


#10
Heptane
Concen: 0.092 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 43 Resp: 11582

Ion	Ratio	Lower	Upper
43	100		
57	49.6	39.8	59.8



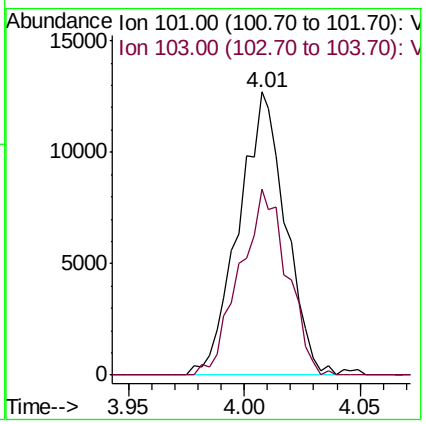


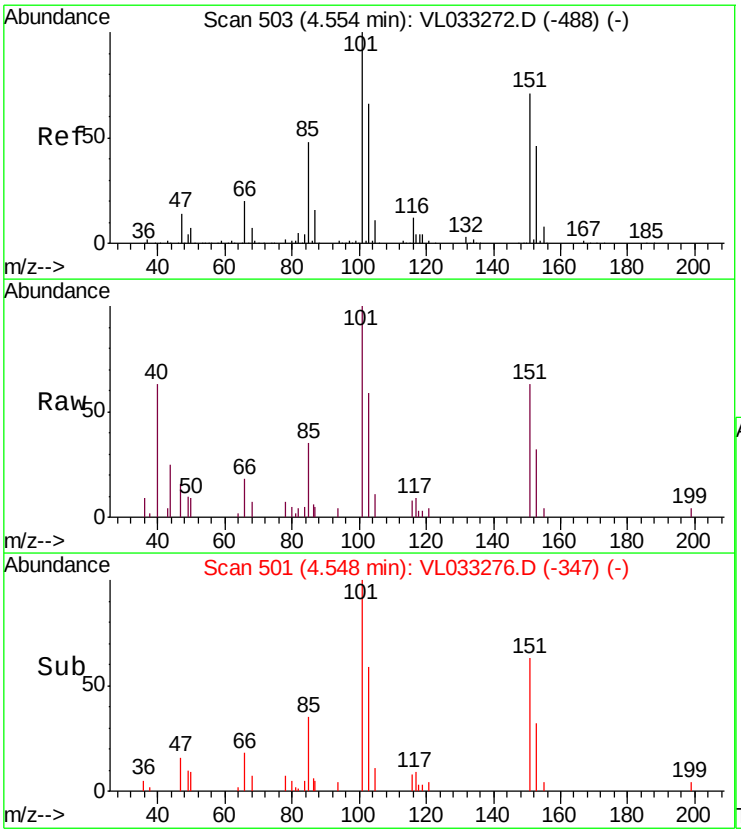
#11
Trichlorofluoromethane
Concen: 0.109 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:101 Resp: 17914

Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.8	77.8

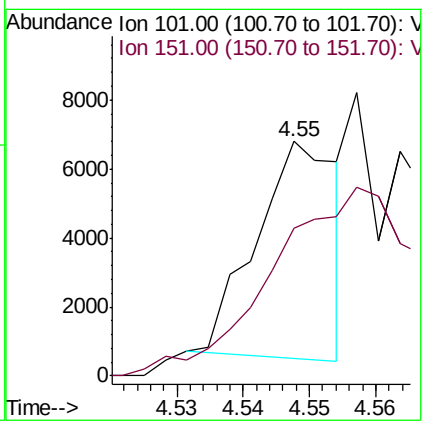


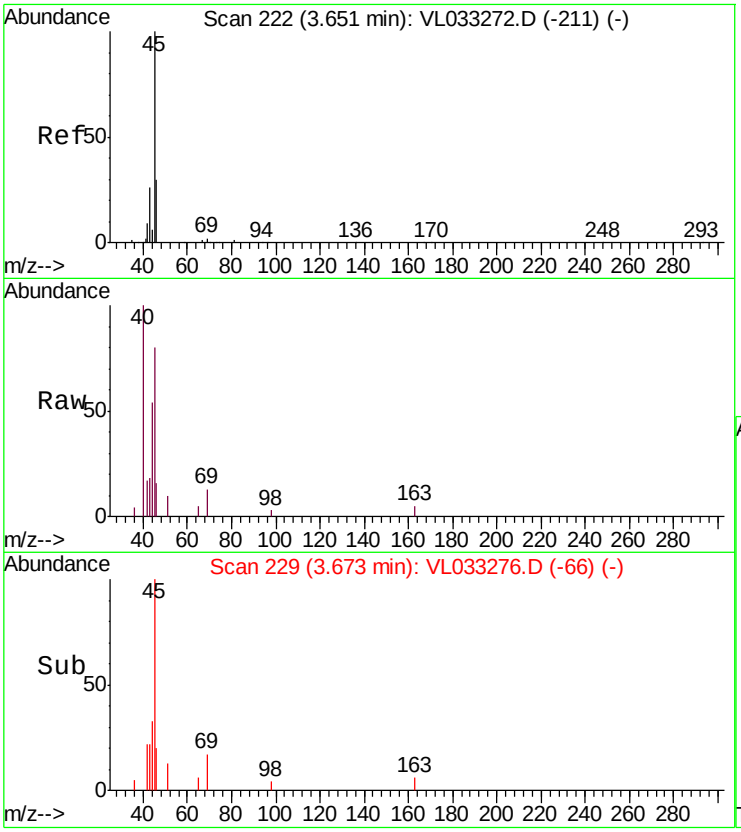


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.051 ppbv
RT: 4.55 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:101 Resp: 5293

Ion	Ratio	Lower	Upper
101	100		
151	0.0	56.9	85.3#



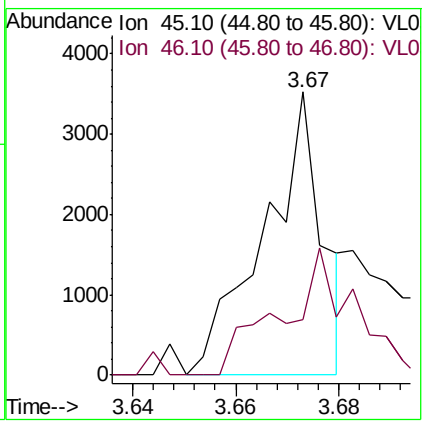


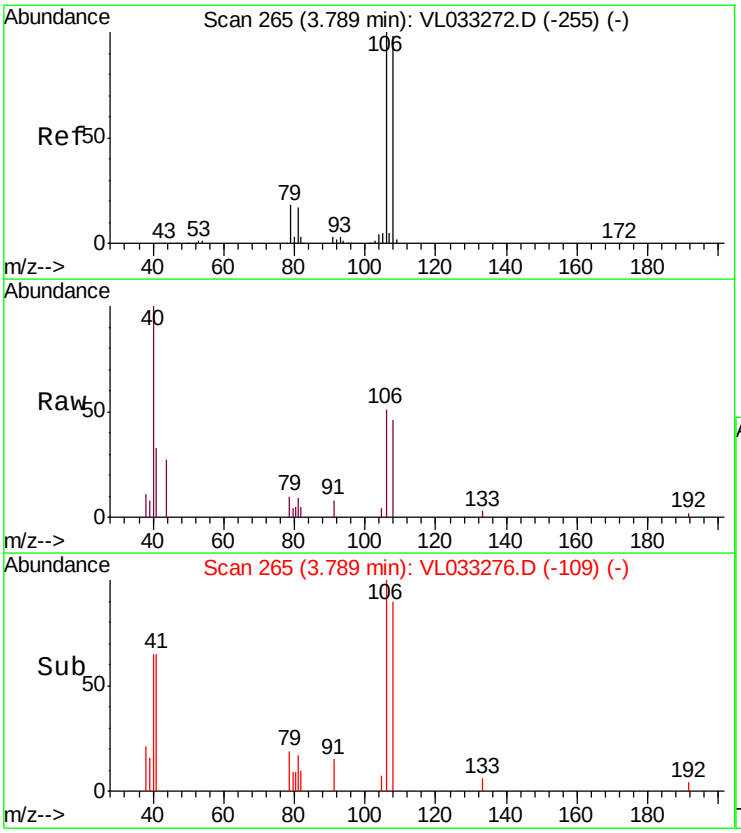
#13
Ethanol
Concen: 0.185 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.02 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 45 Resp: 2747

Ion	Ratio	Lower	Upper
45	100		
46	60.1	13.9	55.7#

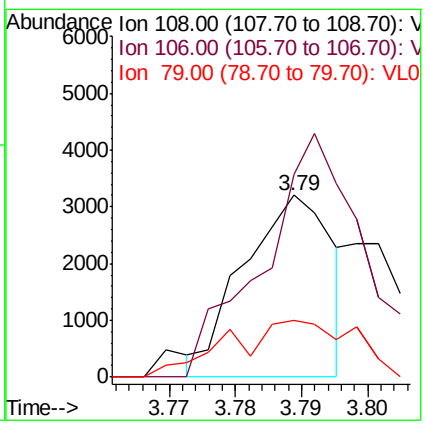


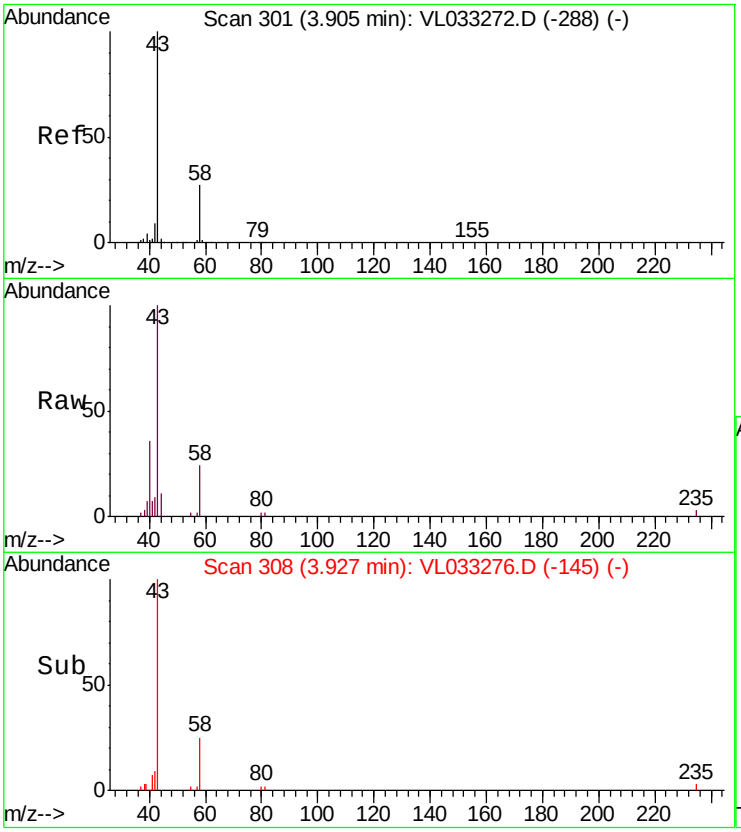


#14
Bromoethene
Concen: 0.070 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:108 Resp: 2968

Ion	Ratio	Lower	Upper
108	100		
106	165.2	85.9	128.9#
79	50.3	14.9	22.3#



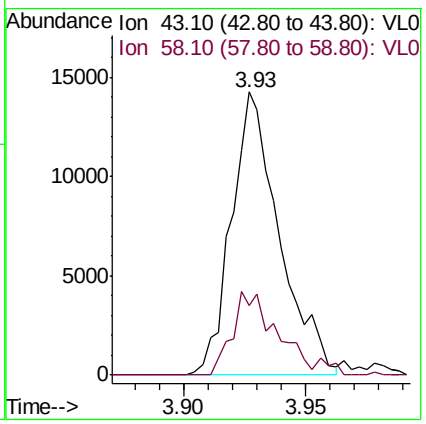


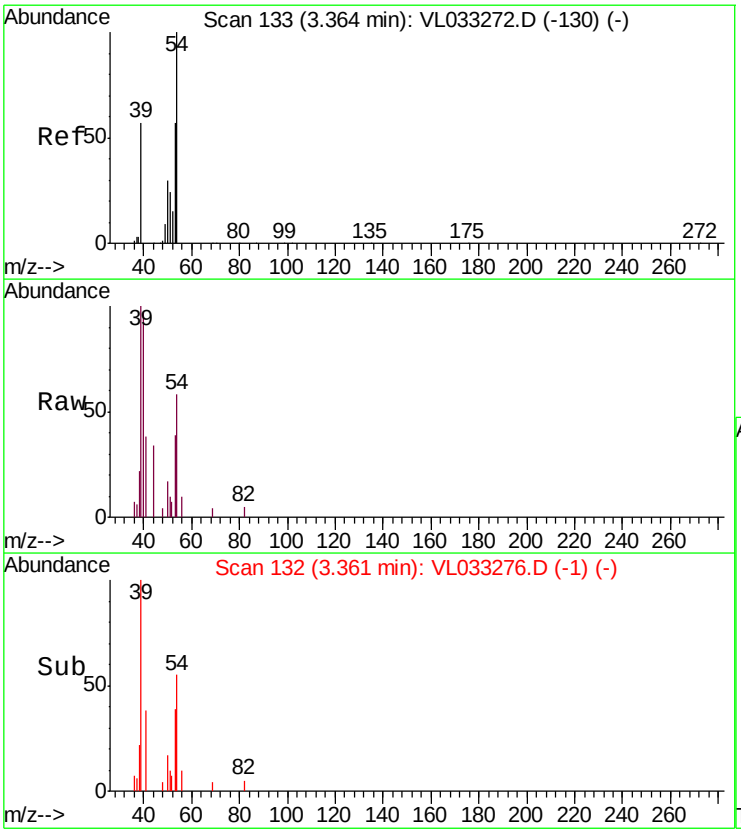
#15
Acetone
Concen: 0.165 ppbv
RT: 3.93 min Scan# 308
Delta R.T. 0.02 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 19423

Ion	Ratio	Lower	Upper
43	100		
58	28.9	21.1	31.7

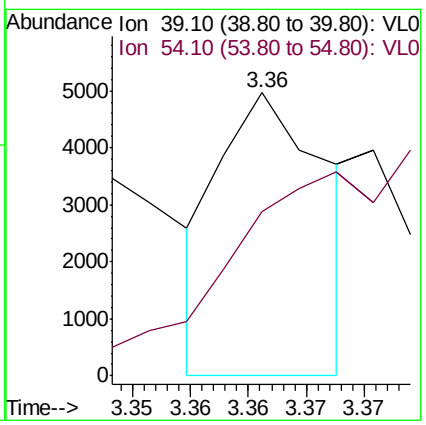


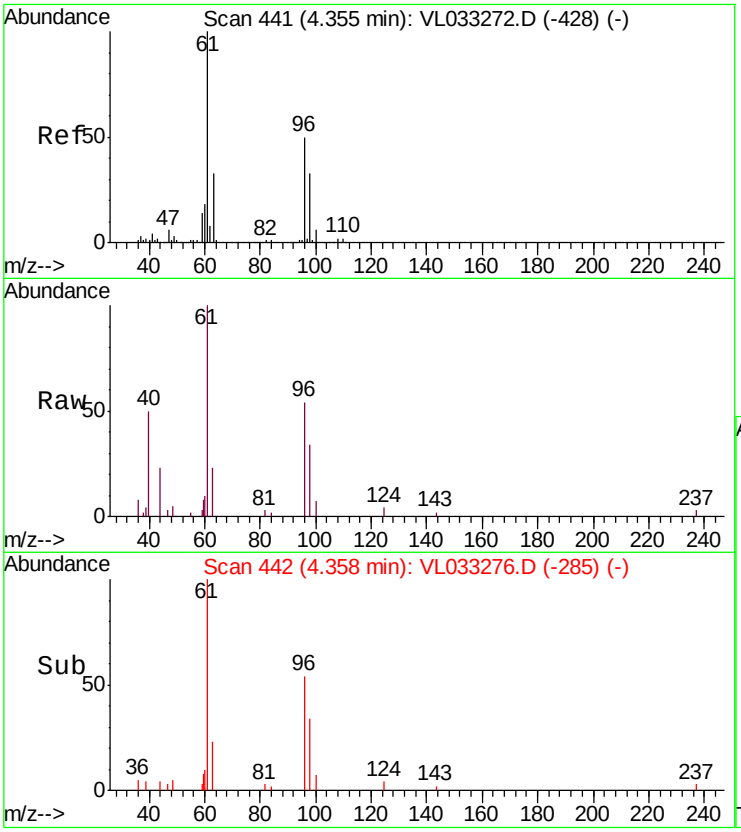


#16
1,3-Butadiene
Concen: 0.063 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 39 Resp: 3185

Ion	Ratio	Lower	Upper
39	100		
54	0.0	76.6	114.8#



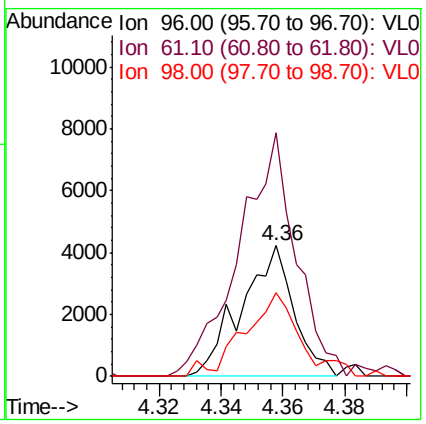


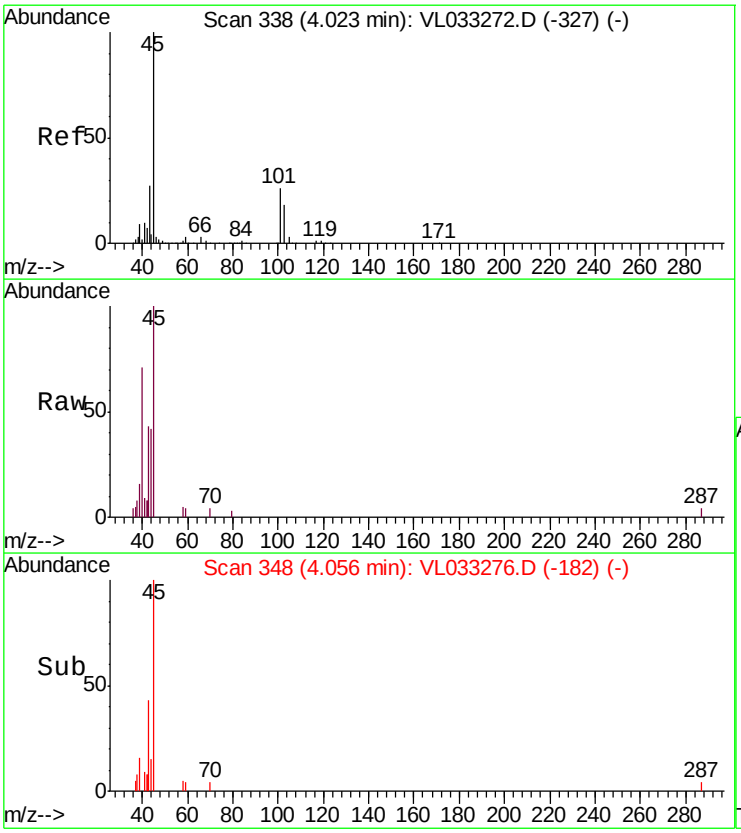
#18
1,1-Dichloroethene
Concen: 0.110 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 96 Resp: 5000

Ion	Ratio	Lower	Upper
96	100		
61	175.0	158.9	238.3
98	63.9	52.4	78.6

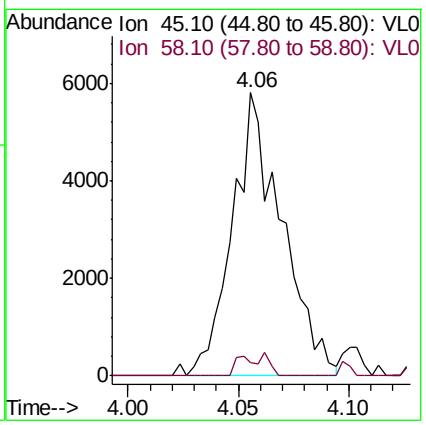


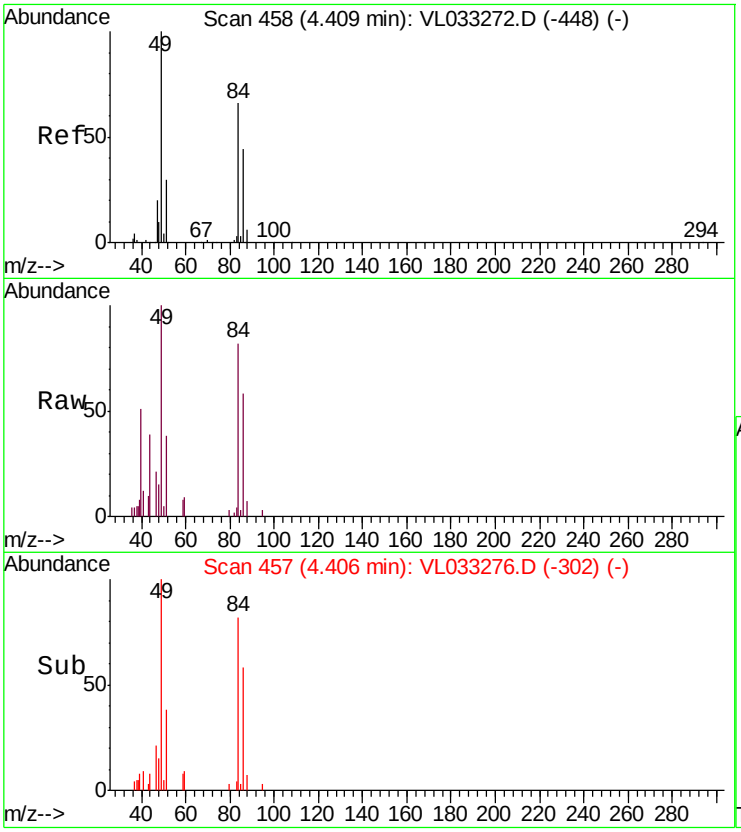


#19
Isopropyl Alcohol
Concen: 0.127 ppbv
RT: 4.06 min Scan# 348
Delta R.T. 0.03 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 45 Resp: 9000

Ion	Ratio	Lower	Upper
45	100		
58	4.2	1.4	2.2#



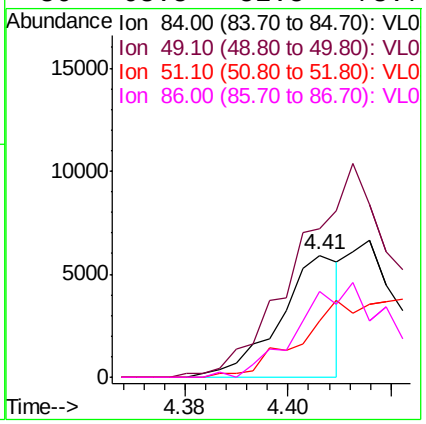


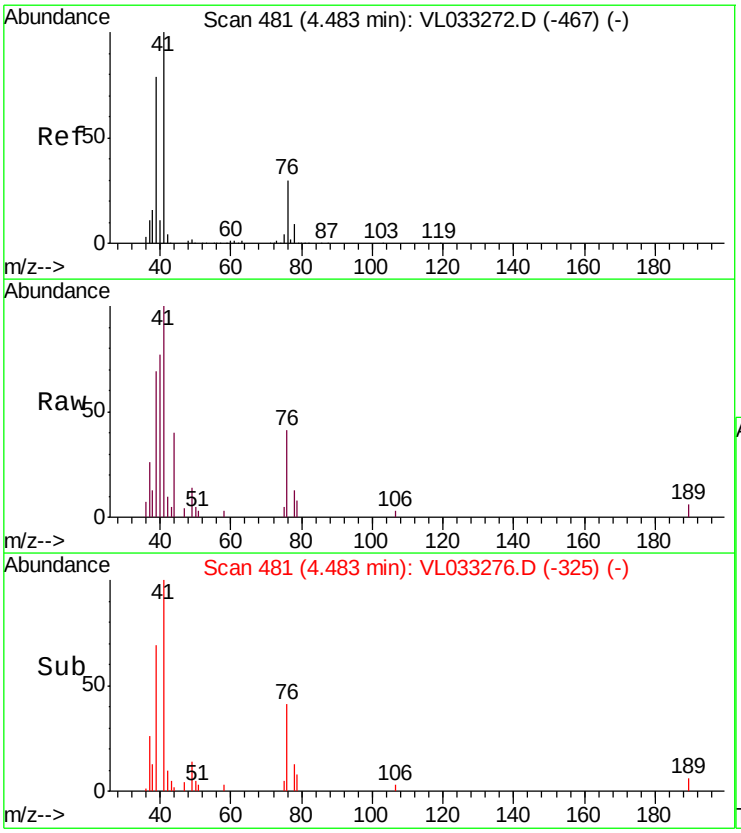
#20
Methylene Chloride
Concen: 0.102 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 84 Resp: 4772

Ion	Ratio	Lower	Upper
84	100		
49	115.6	120.3	180.5#
51	45.3	36.2	54.4
86	68.5	52.5	78.7

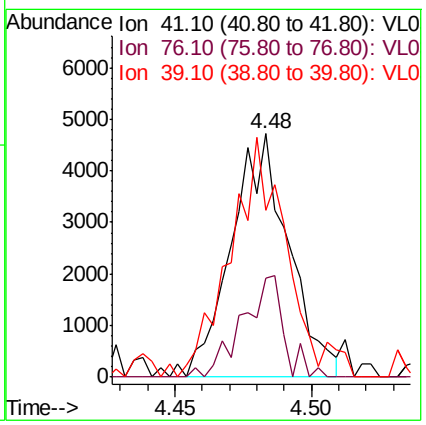


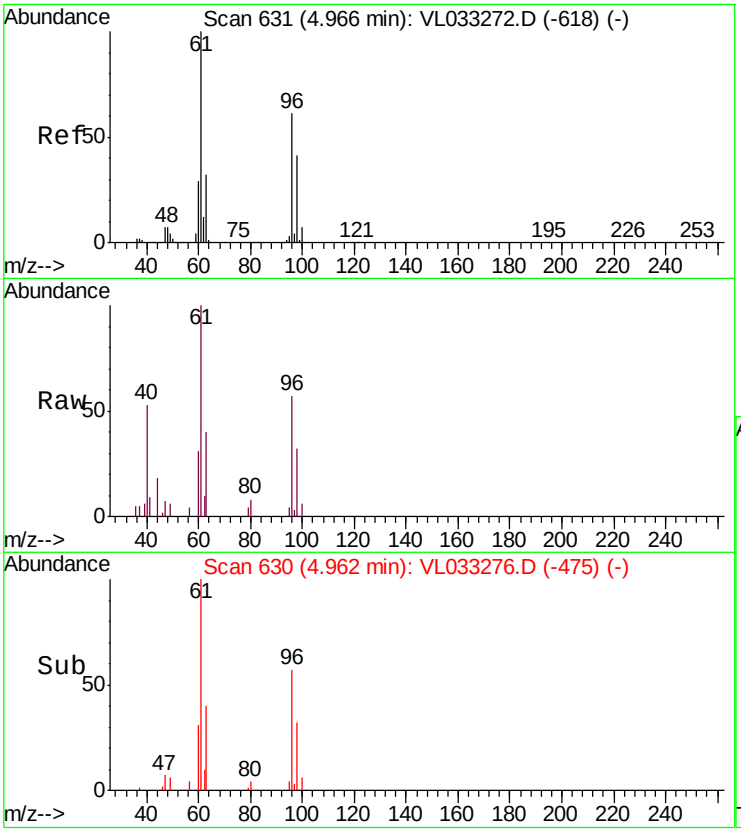


#21
Allyl Chloride
Concen: 0.100 ppbv
RT: 4.48 min Scan# 481
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 41 Resp: 6849

Ion	Ratio	Lower	Upper
41	100		
76	30.1	25.0	37.4
39	101.1	64.2	96.4#



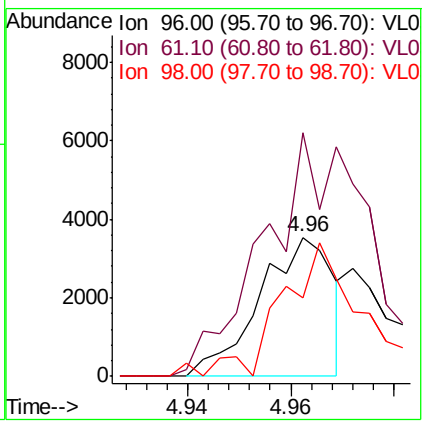


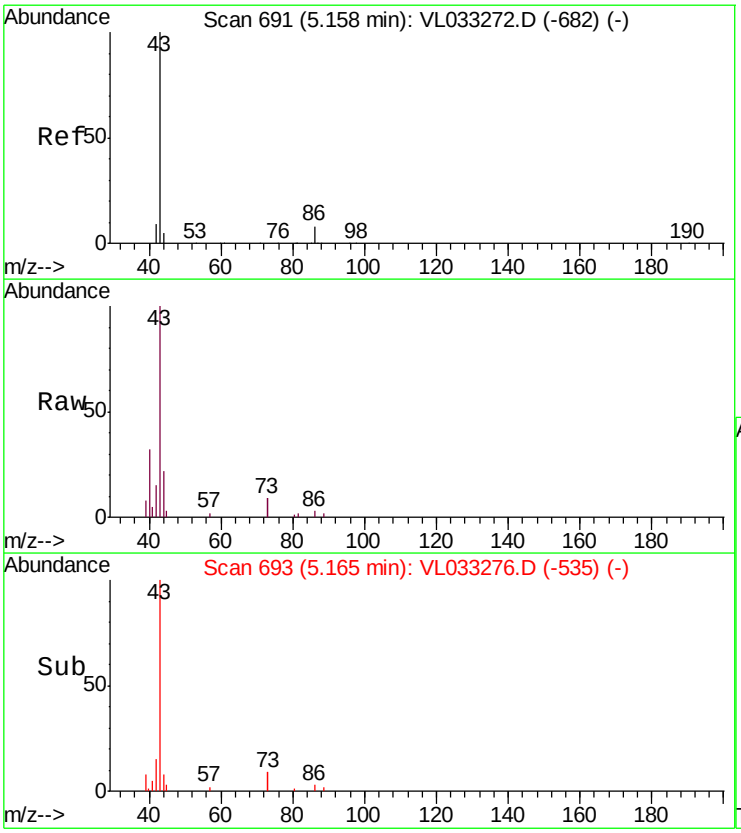
#22
trans-1,2-Dichloroethene
Concen: 0.072 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 96 Resp: 3480

Ion	Ratio	Lower	Upper
96	100		
61	170.2	131.6	197.4
98	47.5	54.1	81.1#

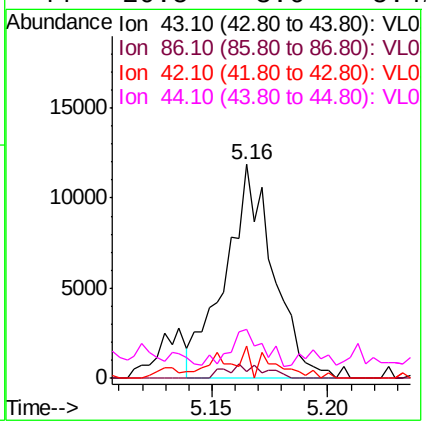


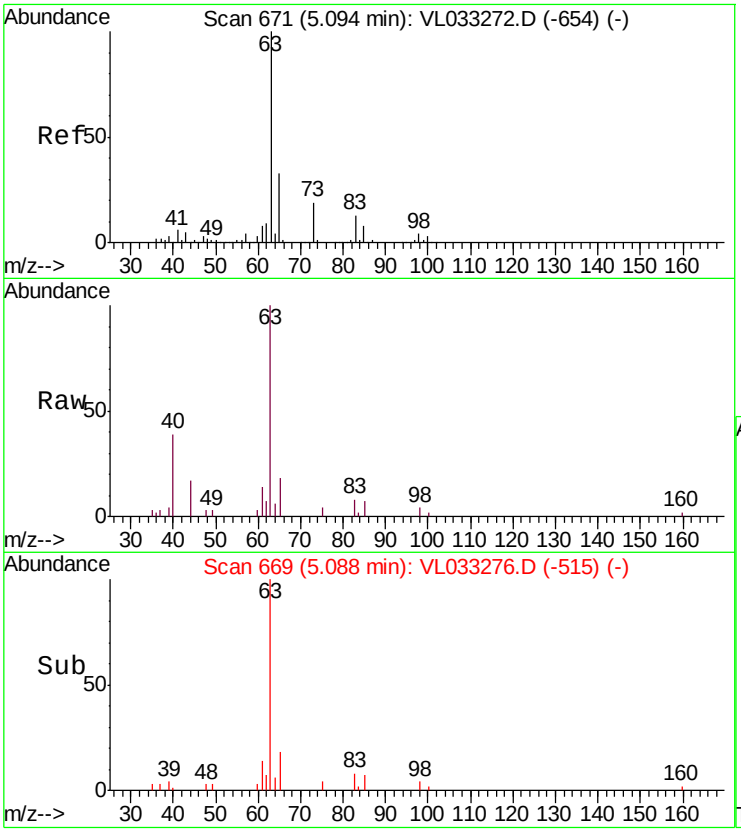


#23
Vinyl Acetate
Concen: 0.104 ppbv
RT: 5.16 min Scan# 693
Delta R.T. 0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 43 Resp: 16983

Ion	Ratio	Lower	Upper
43	100		
86	2.9	5.5	8.3#
42	16.2	7.8	11.6#
44	20.5	3.6	5.4#



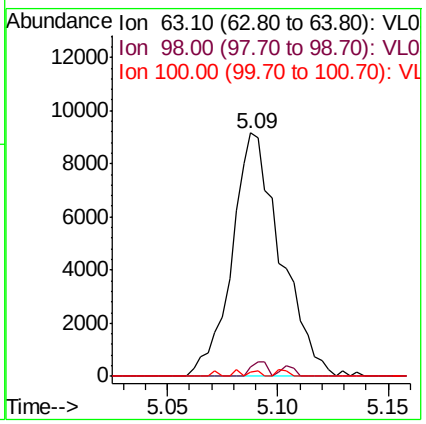


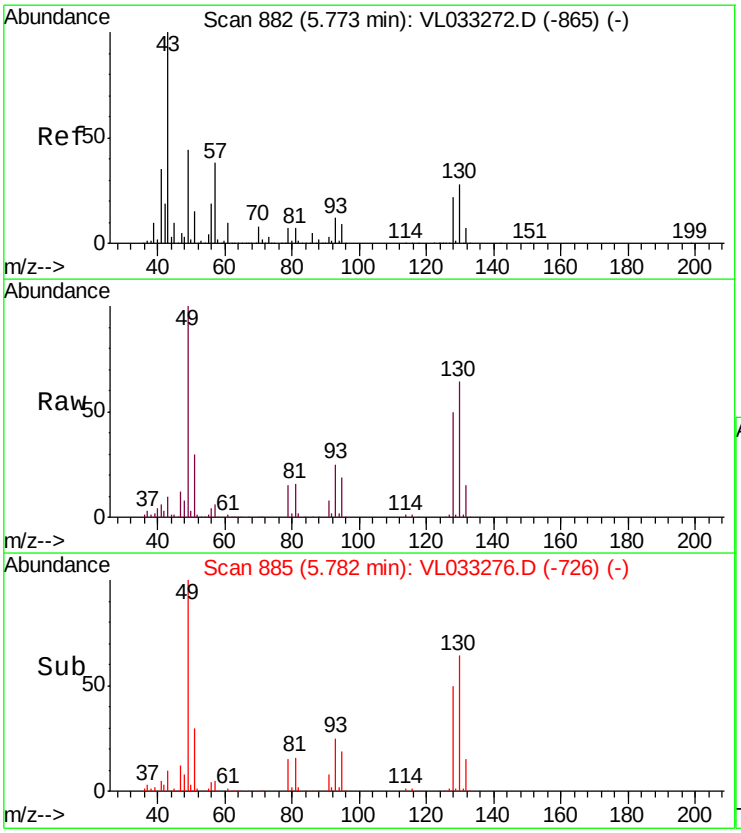
#24
1,1-Dichloroethane
Concen: 0.113 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 63 Resp: 14021

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.2	6.6
100	1.9	1.5	4.4

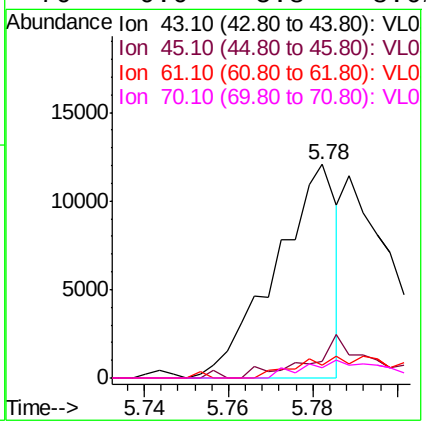


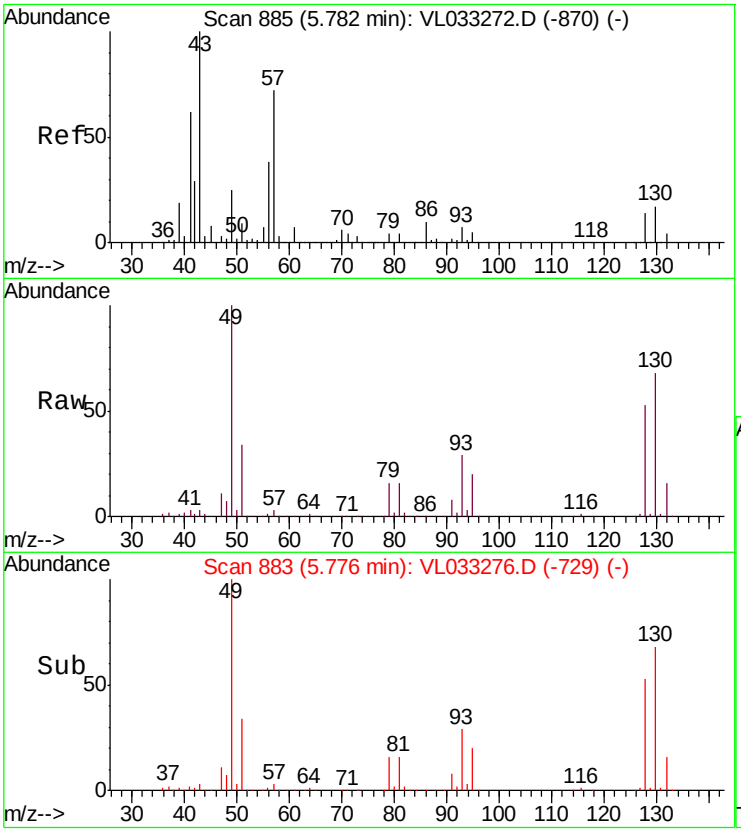


#25
Ethyl Acetate
Concen: 0.056 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 43 Resp: 12187

Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	0.0	7.3	10.9#
70	0.0	5.8	8.6#



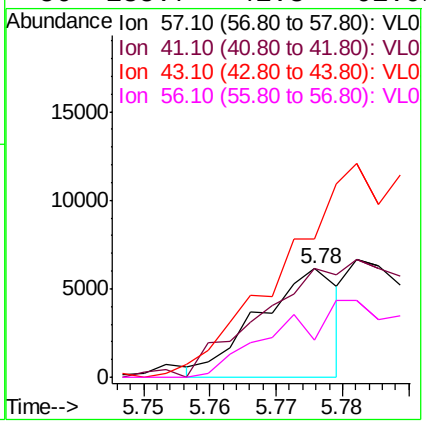


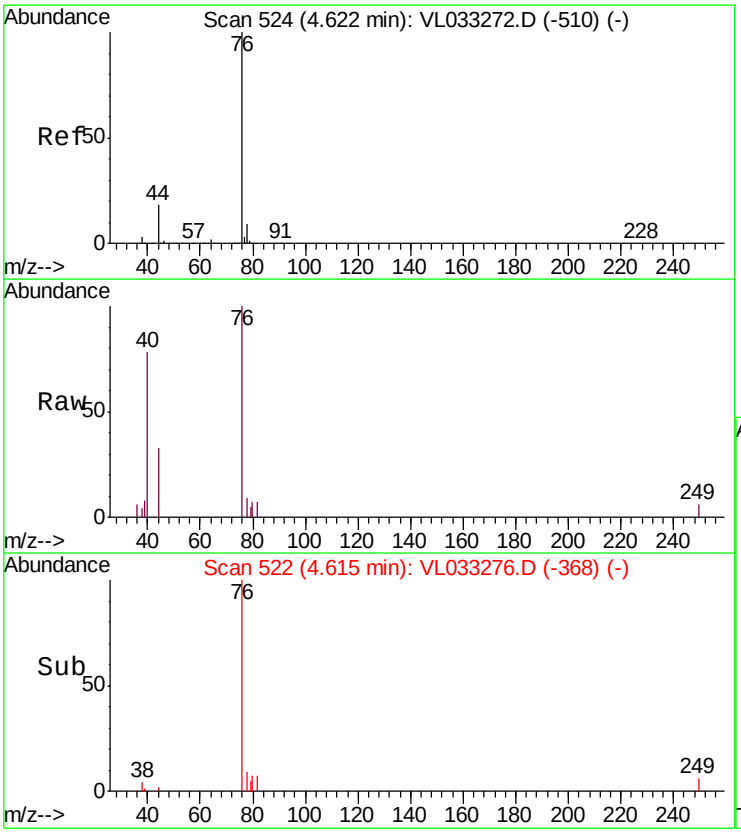
#26
Hexane
Concen: 0.050 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 57 Resp: 5084

Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.7	106.1#
43	0.0	178.6	267.8#
56	135.7	41.3	61.9#

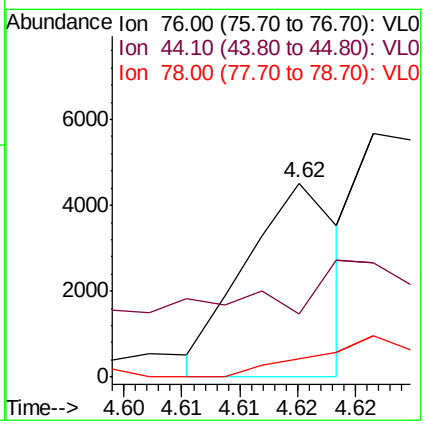


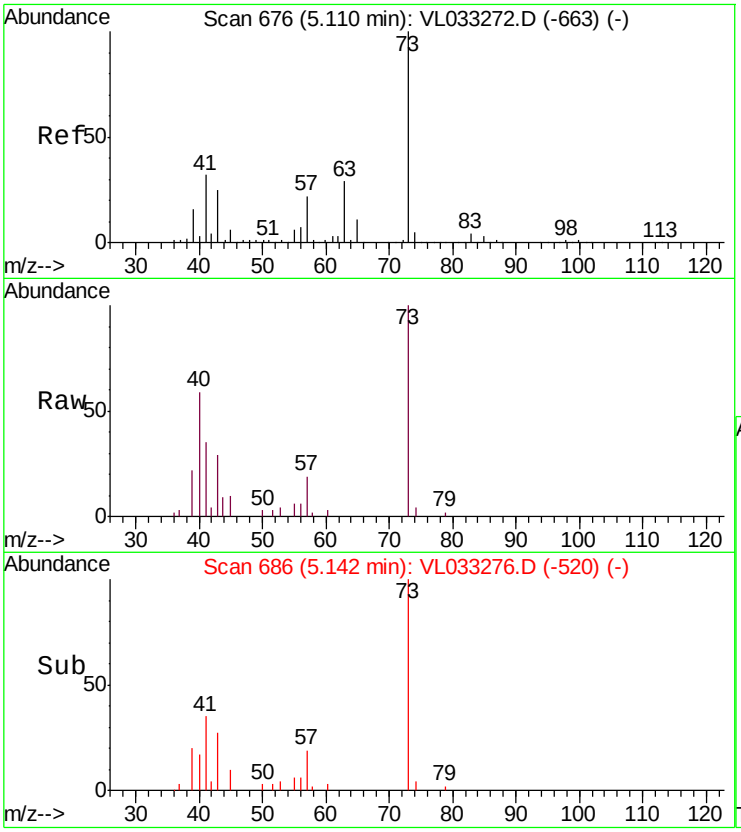


#27
Carbon Disulfide
Concen: 0.025 ppbv
RT: 4.62 min Scan# 522
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 76 Resp: 2555

Ion	Ratio	Lower	Upper
76	100		
44	0.0	15.1	22.7#
78	0.0	7.4	11.0#



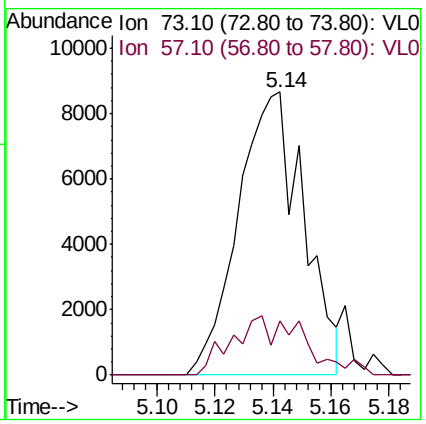


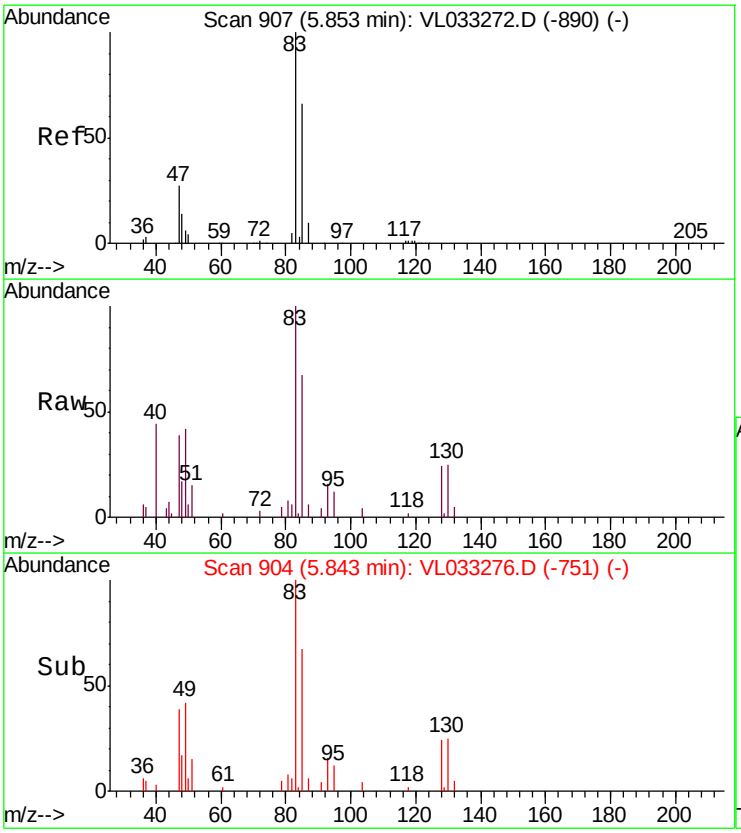
#28
Methyl tert-Butyl Ether
Concen: 0.101 ppbv
RT: 5.14 min Scan# 686
Delta R.T. 0.03 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 73 Resp: 13499

Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.9	26.9

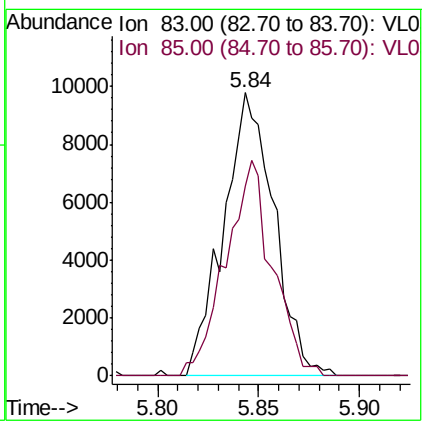


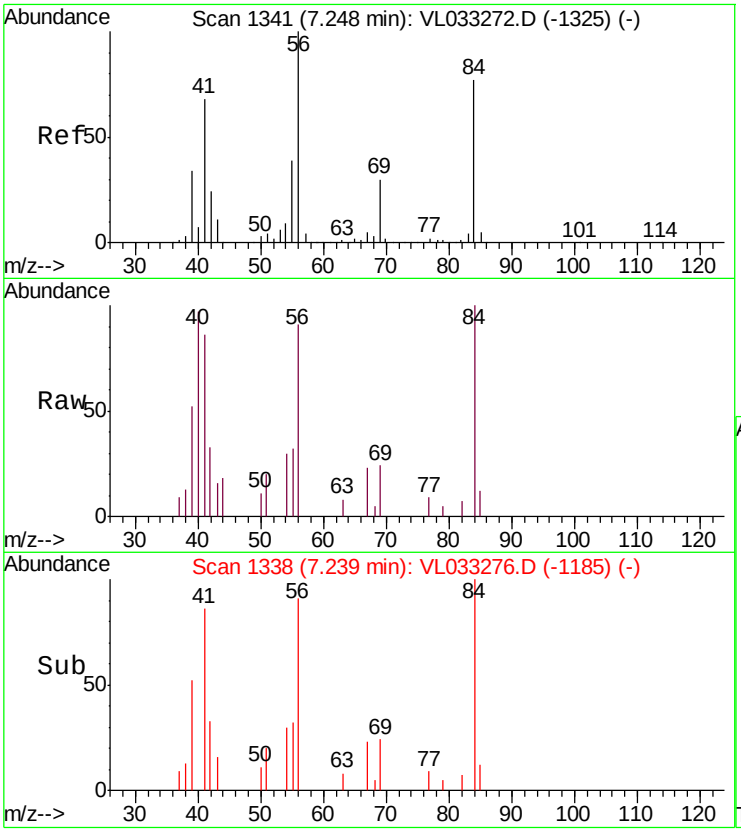


#29
Chloroform
Concen: 0.110 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 83 Resp: 17091

Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.5	78.7



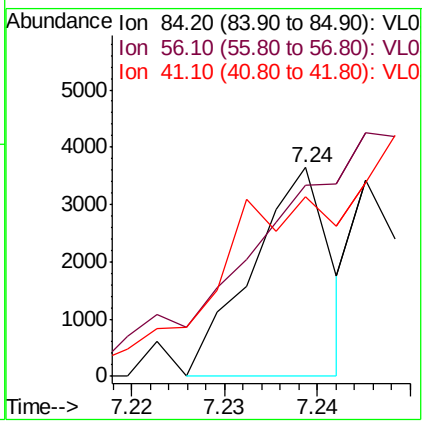


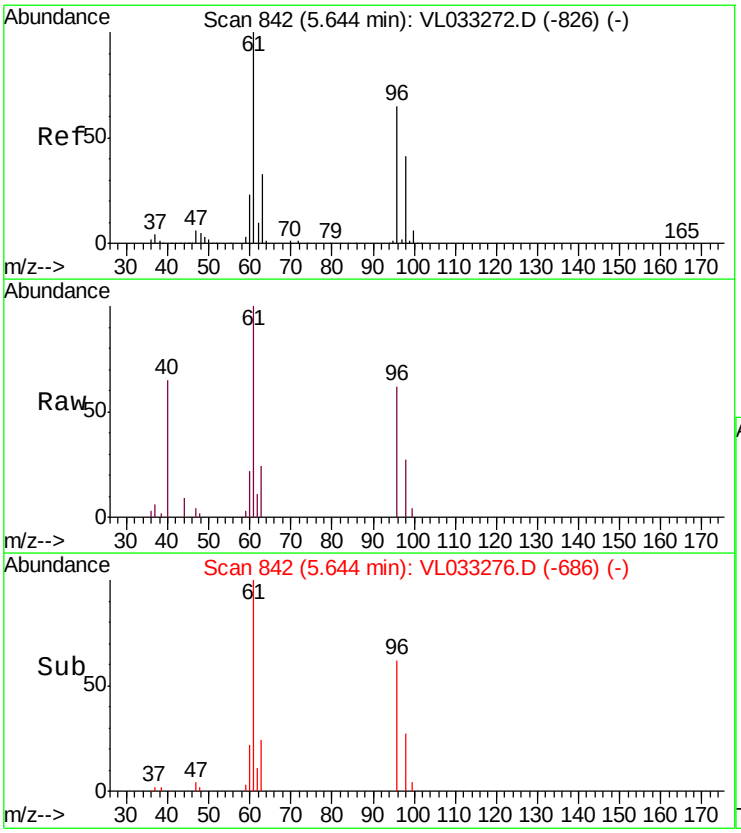
#30
Cyclohexane
Concen: 0.028 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 84 Resp: 2120

Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.0	168.0#
41	0.0	69.9	104.9#

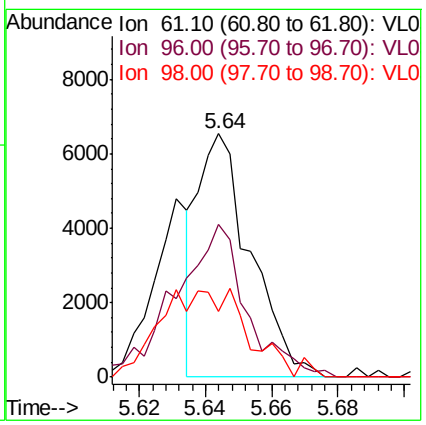


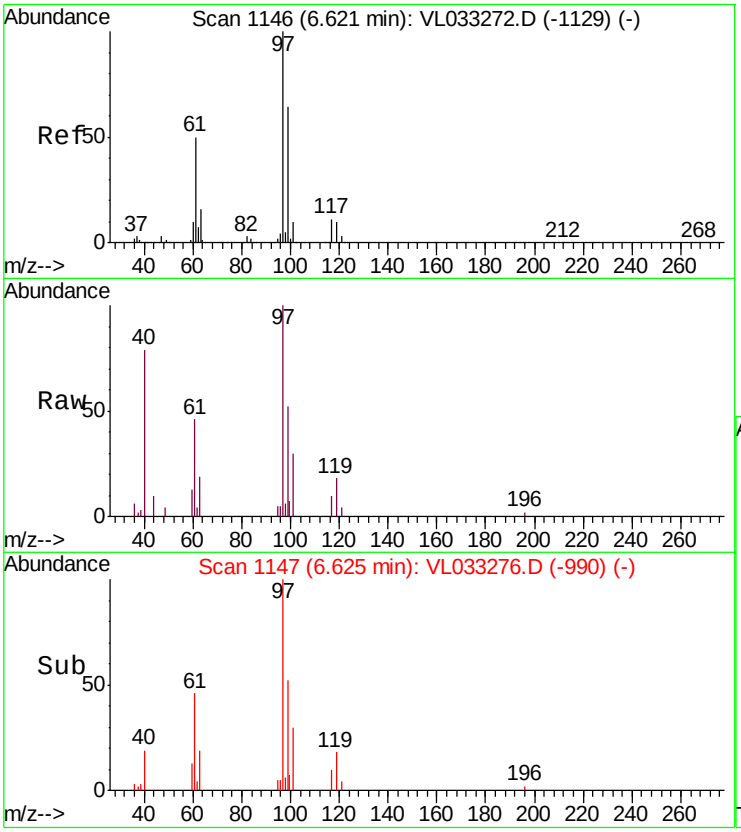


#31
cis-1,2-Dichloroethene
Concen: 0.074 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 61 Resp: 7130

Ion	Ratio	Lower	Upper
61	100		
96	56.2	51.8	77.8
98	24.4	32.9	49.3#



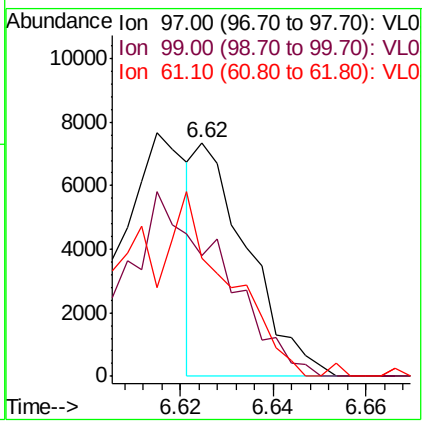


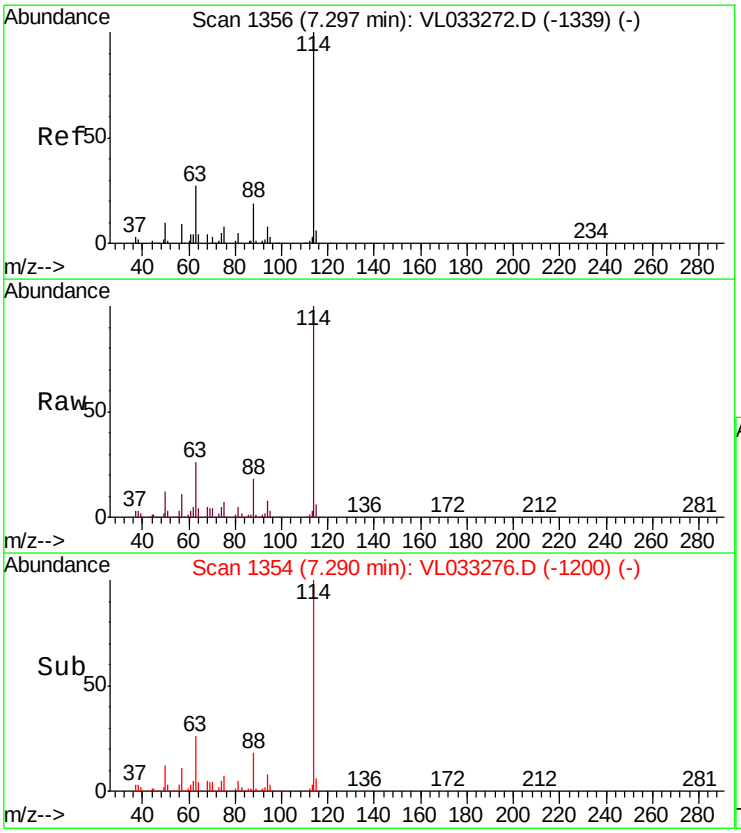
#32
1,1,1-Trichloroethane
Concen: 0.039 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 97 Resp: 5758

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	157.0	39.7	59.5#

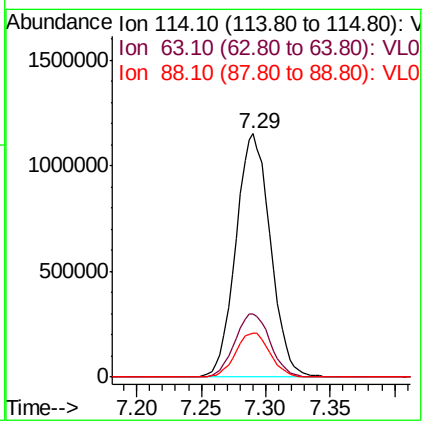


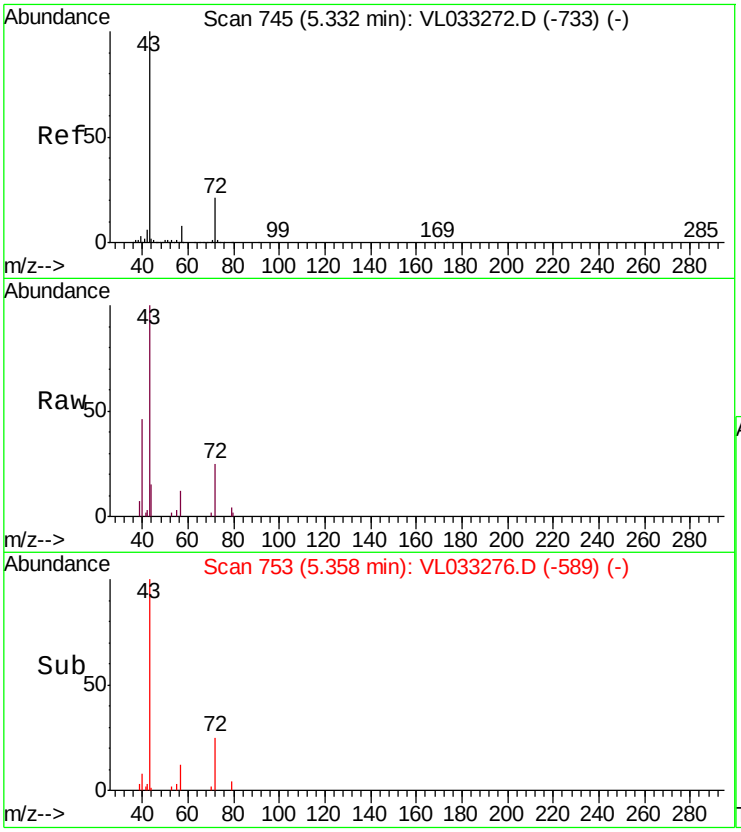


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:114 Resp: 2146614

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.5	32.3
88	18.1	14.6	22.0



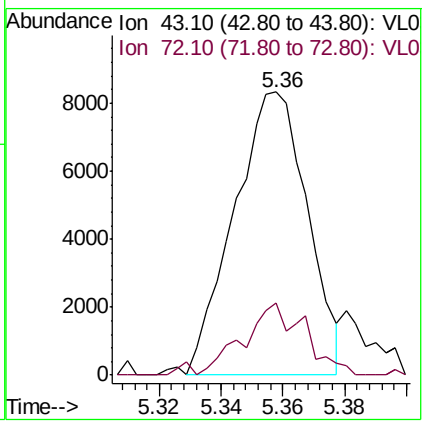


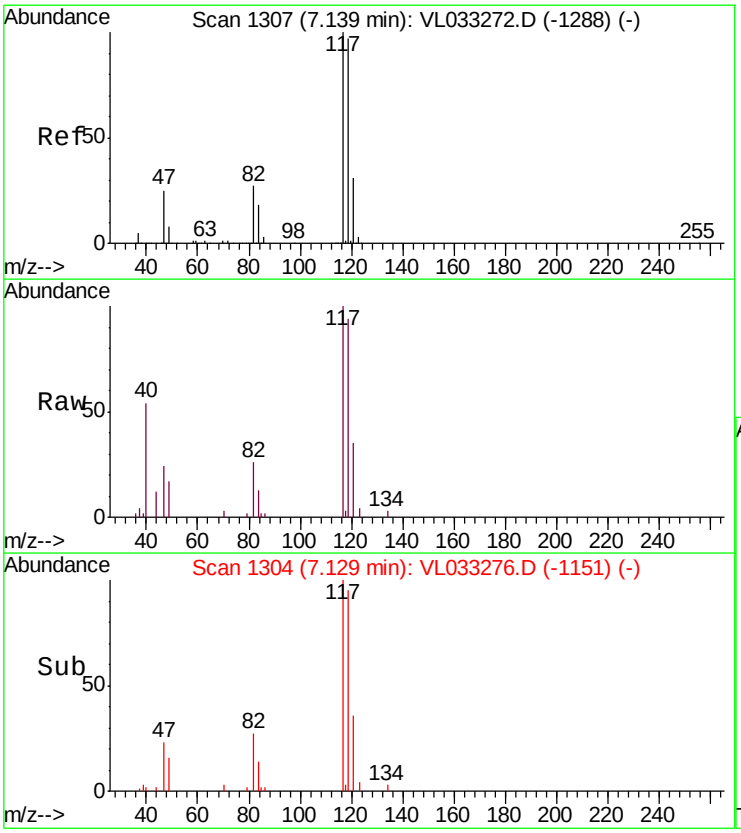
#34
2-Butanone
Concen: 0.103 ppbv
RT: 5.36 min Scan# 753
Delta R.T. 0.03 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 43 Resp: 13750

Ion	Ratio	Lower	Upper
43	100		
72	22.6	17.0	25.6

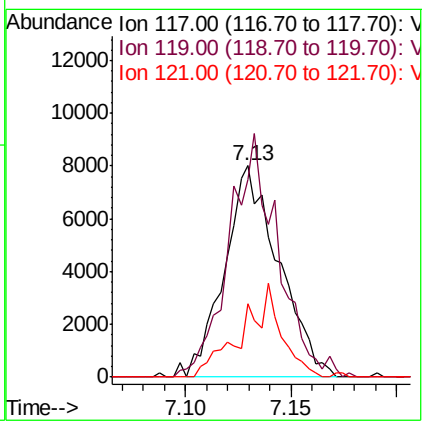


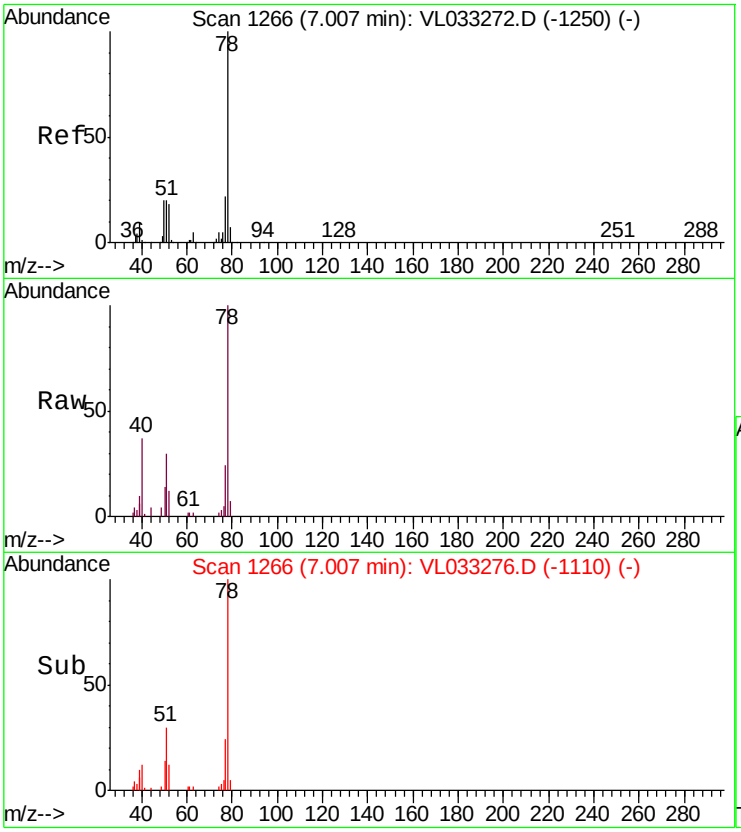


#35
Carbon Tetrachloride
Concen: 0.097 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:117 Resp: 14247

Ion	Ratio	Lower	Upper
117	100		
119	87.4	77.4	116.0
121	33.8	24.9	37.3



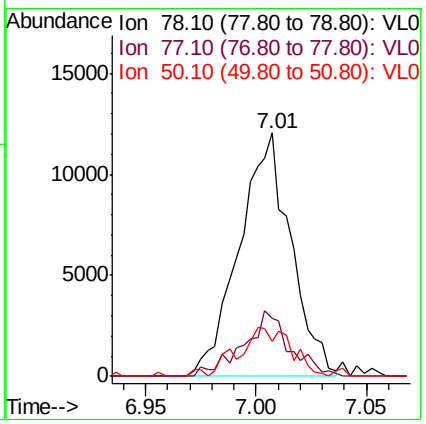


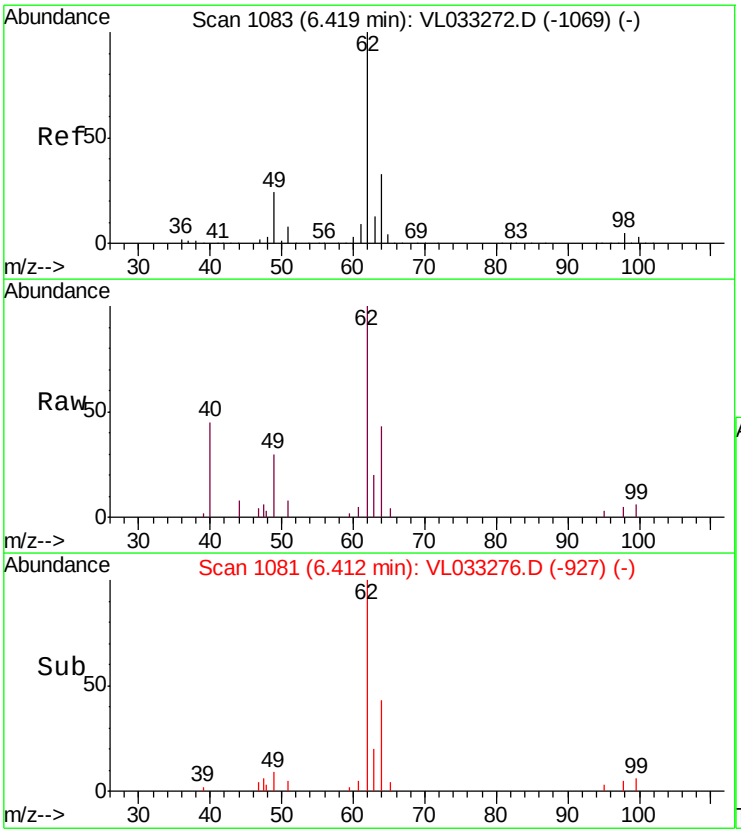
#36
Benzene
Concen: 0.103 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 78 Resp: 19526

Ion	Ratio	Lower	Upper
78	100		
77	23.7	17.7	26.5
50	14.3	15.7	23.5#

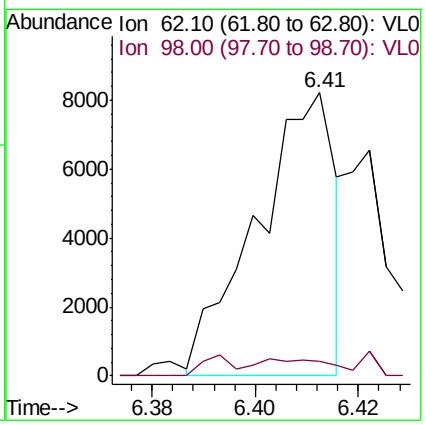


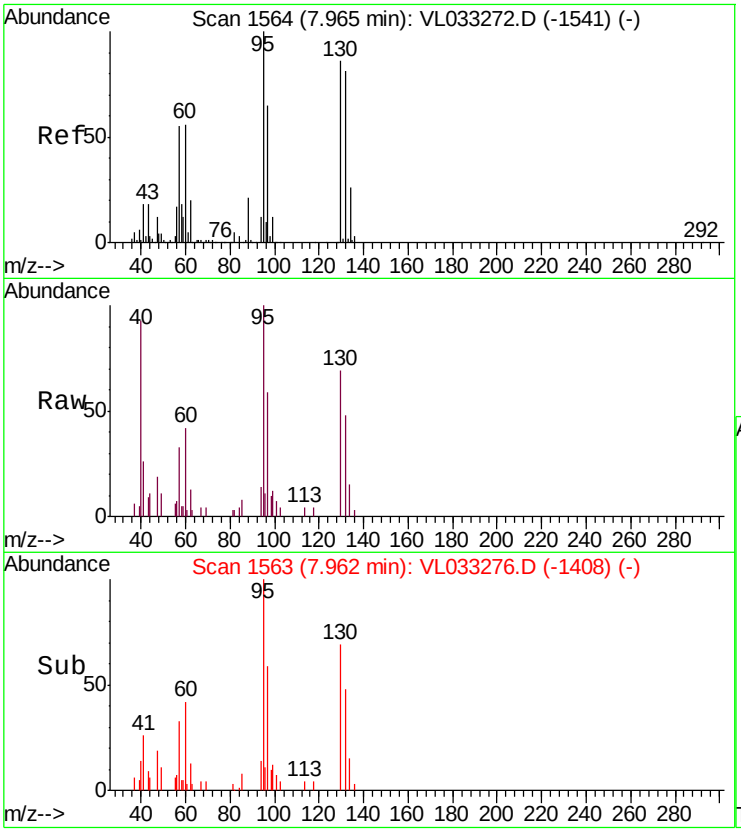


#37
1,2-Dichloroethane
Concen: 0.071 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 62 Resp: 8643

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.5	6.7#



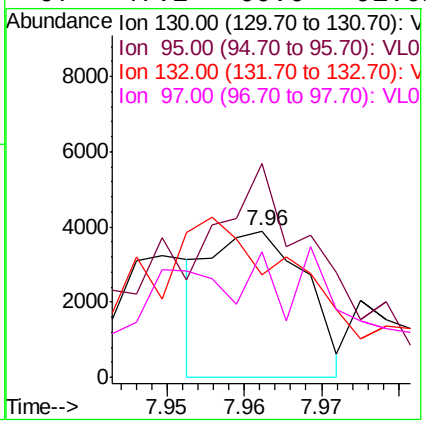


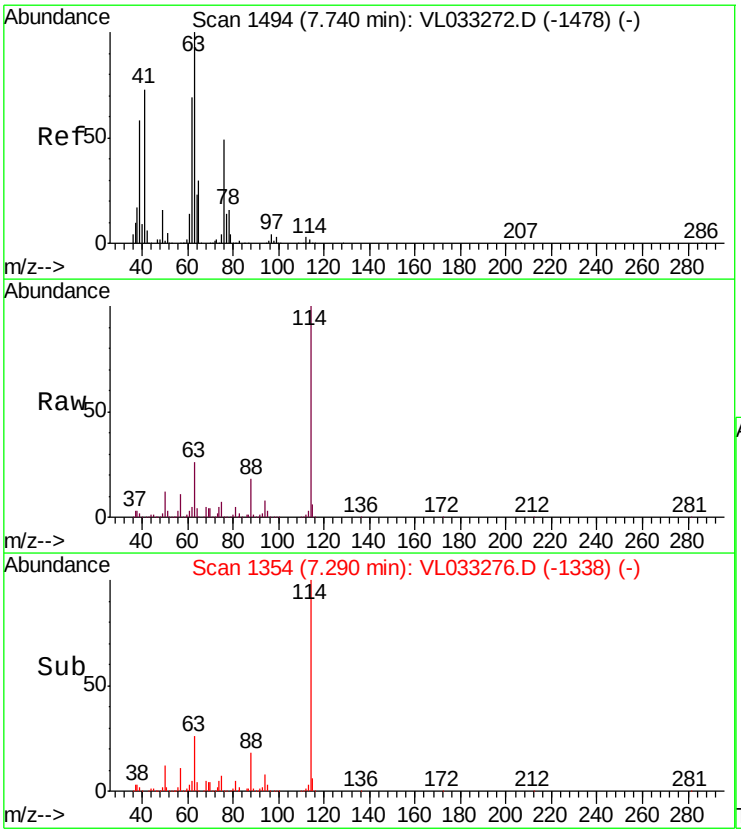
#38
Trichloroethene
Concen: 0.046 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:130 Resp: 3327

Ion	Ratio	Lower	Upper
130	100		
95	94.5	93.3	139.9
132	28.0	75.4	113.2#
97	47.2	60.6	91.0#

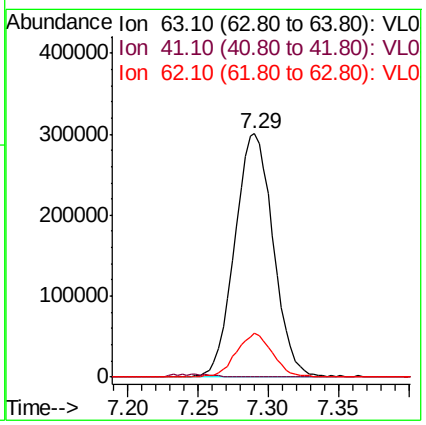


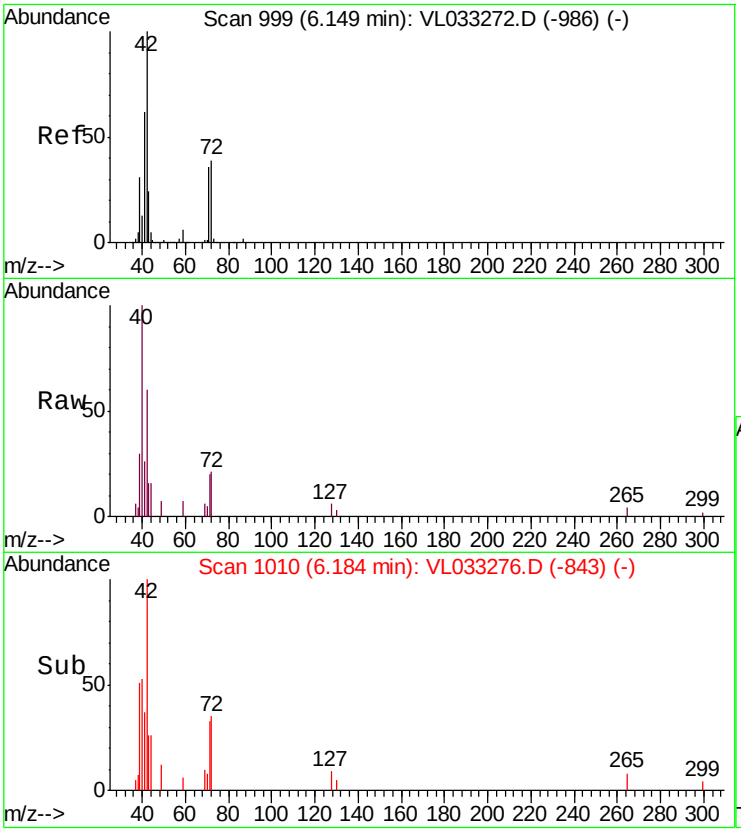


#39
1,2-Dichloropropane
Concen: 7.905 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 63 Resp: 573846

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.3	87.5#
62	18.0	55.3	82.9#



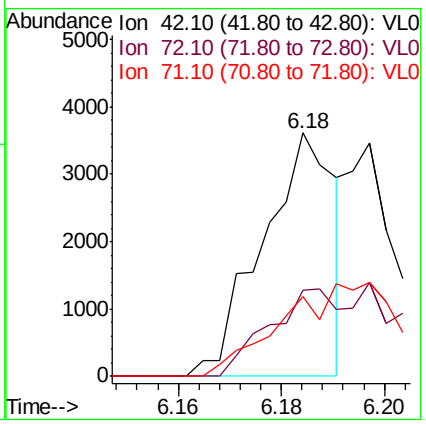


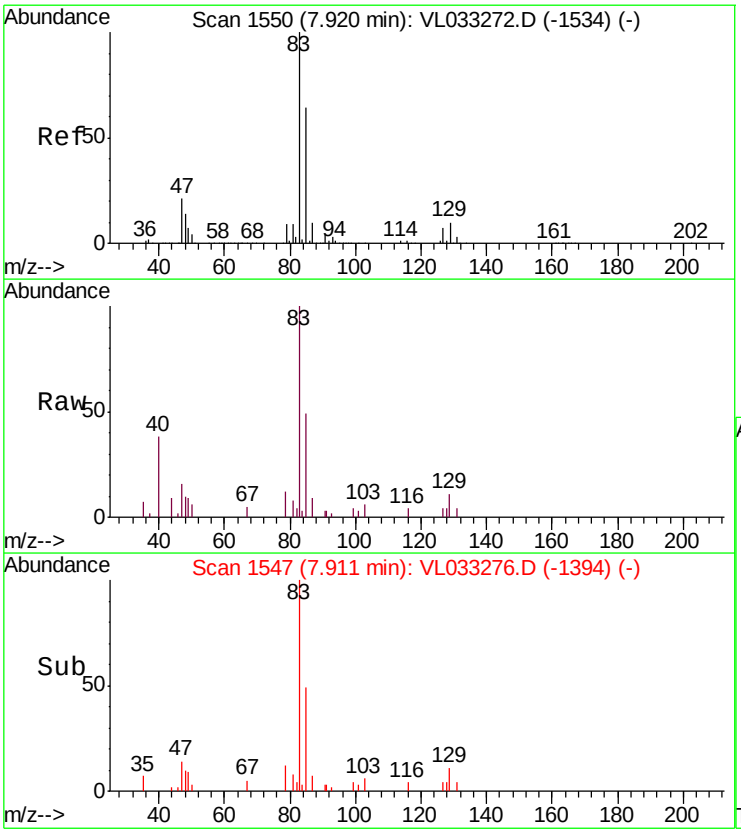
#41
Tetrahydrofuran
Concen: 0.047 ppbv
RT: 6.18 min Scan# 1010
Delta R.T. 0.04 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 42 Resp: 3502

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.6	46.0#
71	0.0	29.7	44.5#

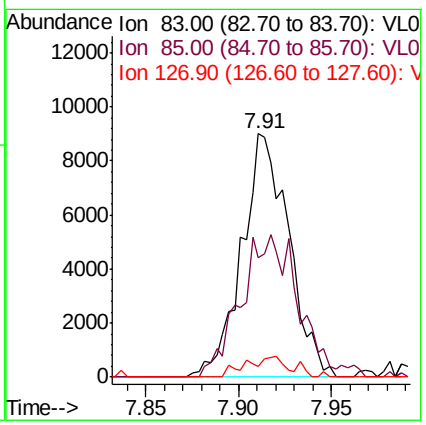


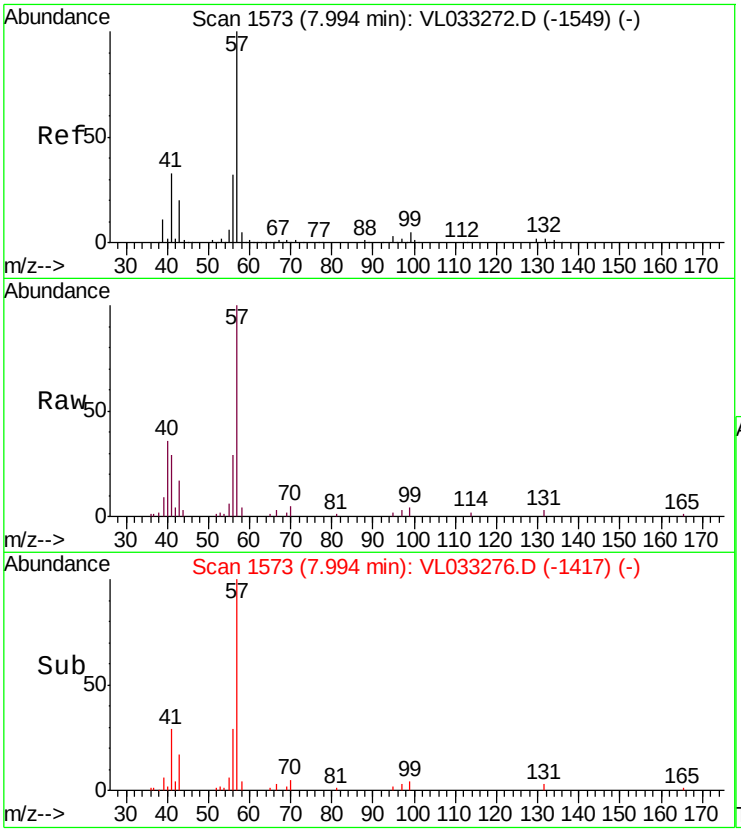


#42
Bromodichloromethane
Concen: 0.098 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 83 Resp: 15834

Ion	Ratio	Lower	Upper
83	100		
85	48.8	51.0	76.4#
127	4.3	6.0	9.0#



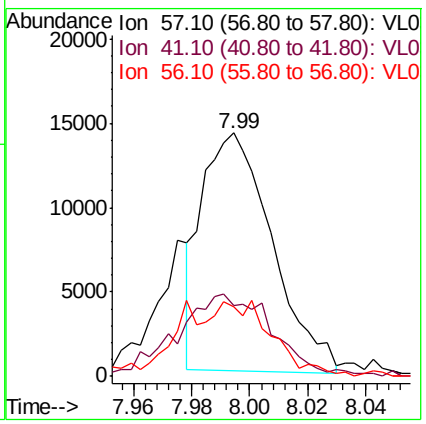


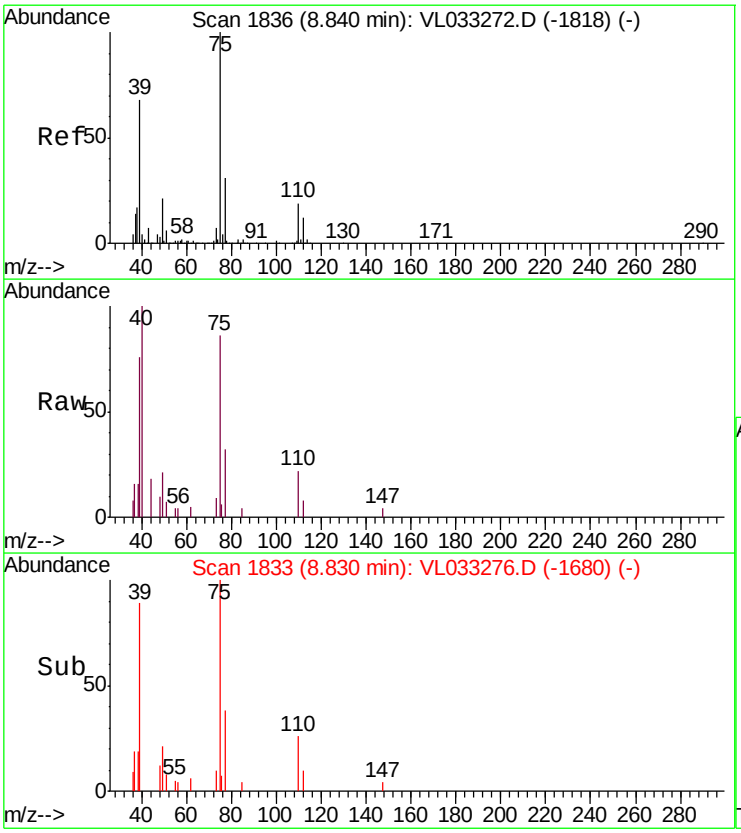
#44
2,2,4-Trimethylpentane
Concen: 0.072 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 57 Resp: 23533

Ion	Ratio	Lower	Upper
57	100		
41	47.8	26.2	39.2#
56	0.0	24.8	37.2#

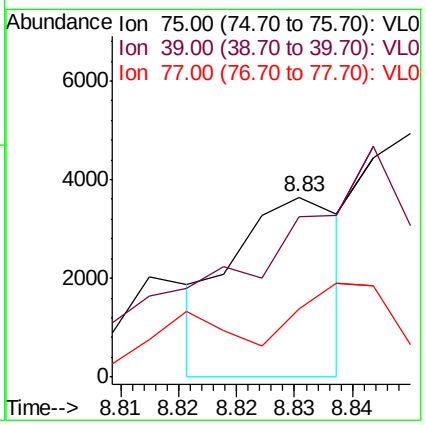


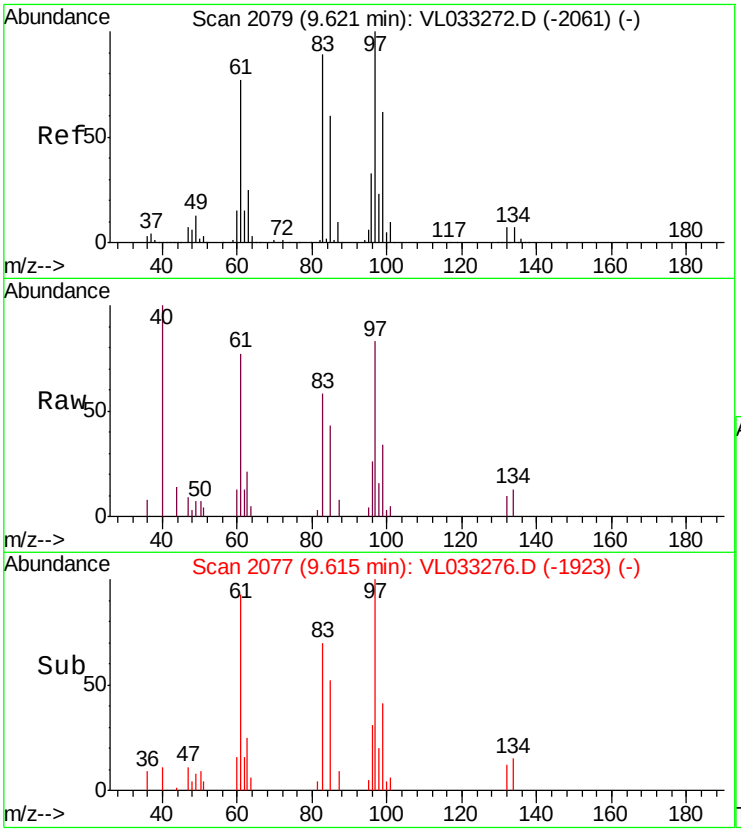


#46
cis-1,3-Dichloropropene
Concen: 0.022 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 75 Resp: 2372

Ion	Ratio	Lower	Upper
75	100		
39	71.9	54.2	81.2
77	2.5	24.5	36.7#



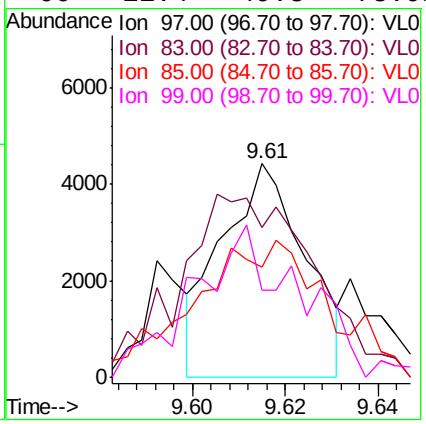


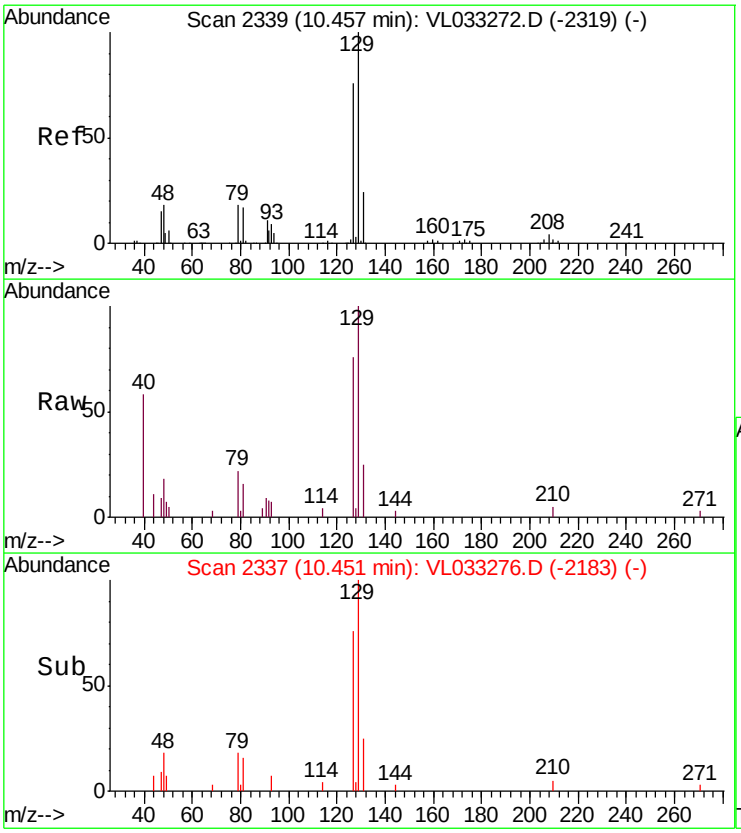
#47
1,1,2-Trichloroethane
Concen: 0.071 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 5547

Ion	Ratio	Lower	Upper
97	100		
83	60.2	71.0	106.4#
85	50.6	48.2	72.4
99	11.4	49.3	73.9#

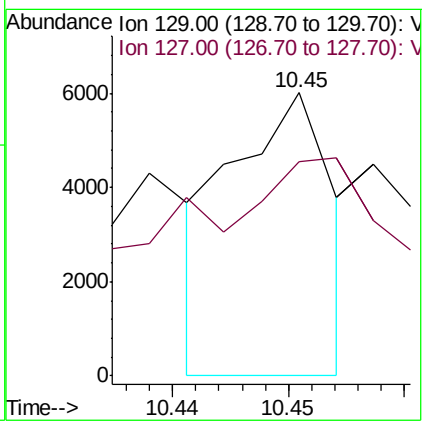


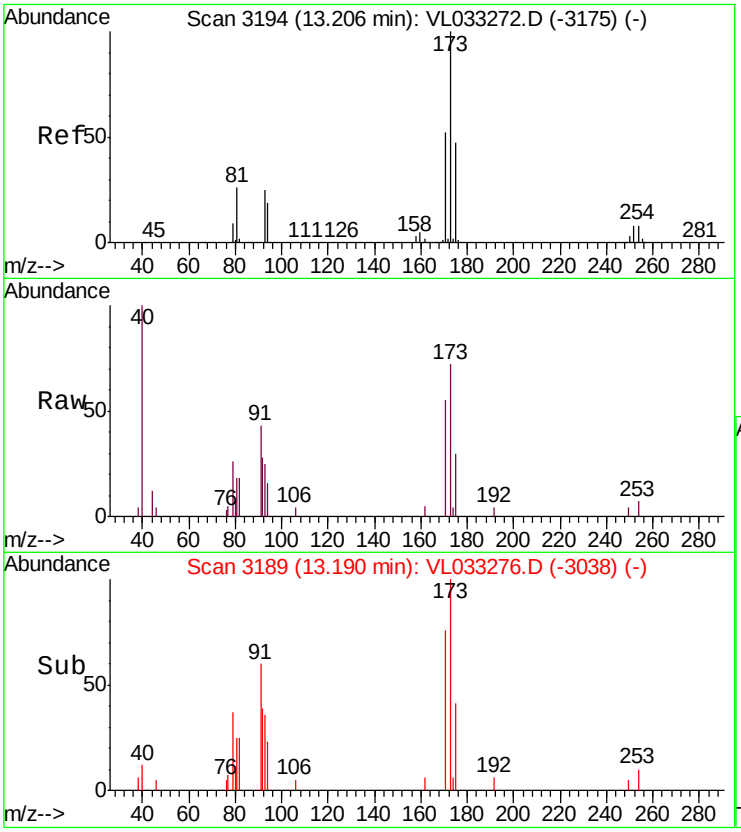


#48
Dibromochloromethane
Concen: 0.029 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:129 Resp: 3673

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.9	116.6#



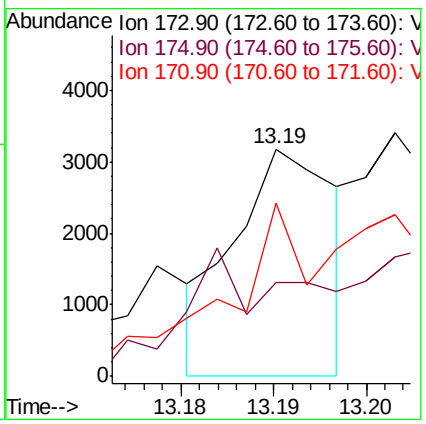


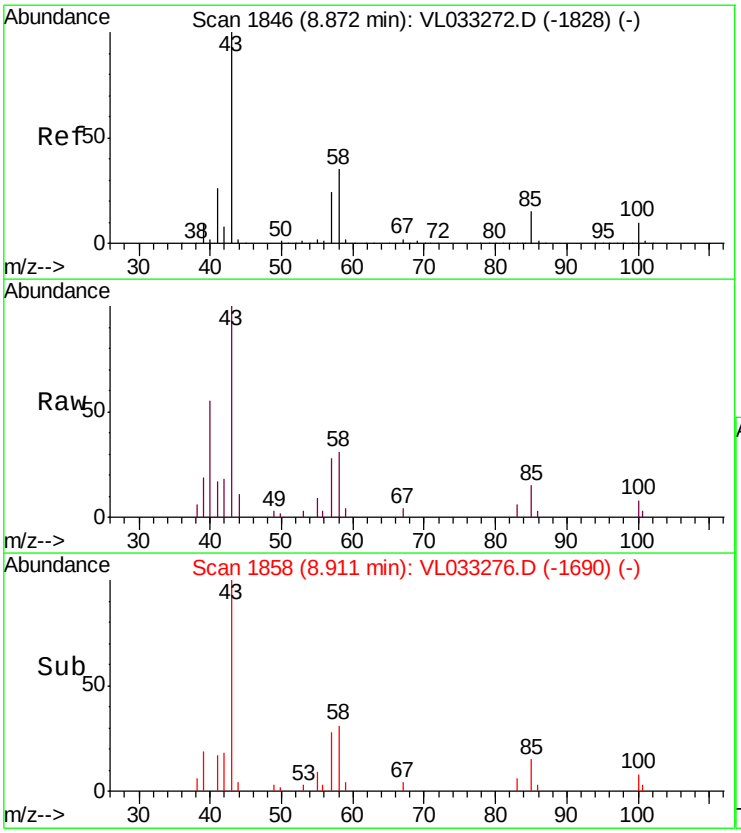
#49
Bromoform
Concen: 0.021 ppbv
RT: 13.19 min Scan# 3189
Delta R.T. -0.02 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:173 Resp: 2395

Ion	Ratio	Lower	Upper
173	100		
175	151.8	39.0	58.6#
171	170.7	41.2	61.8#

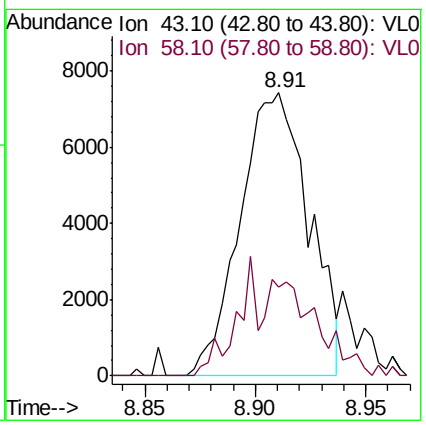


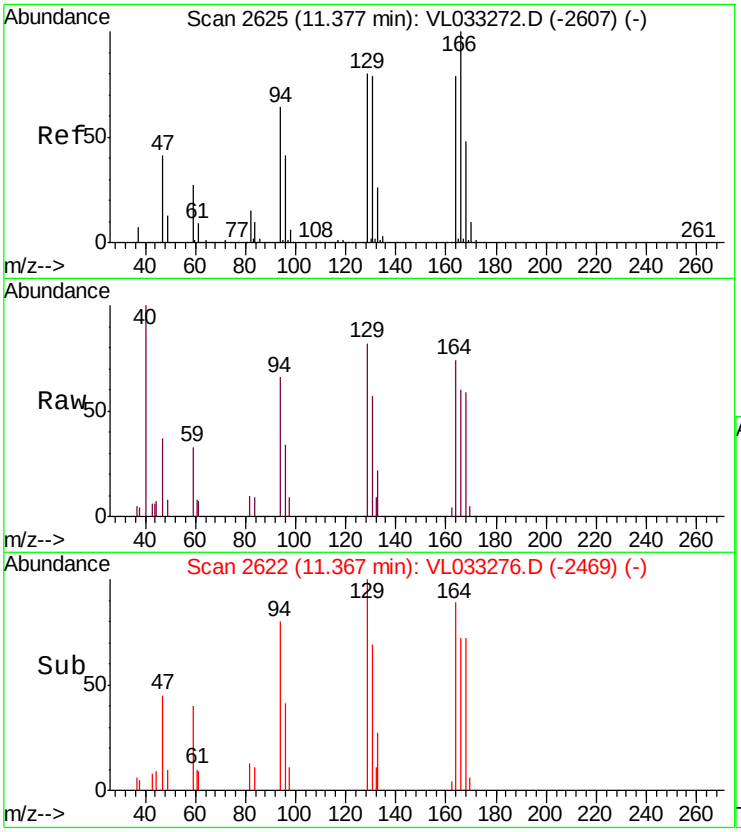


#50
4-Methyl-2-Pentanone
Concen: 0.082 ppbv
RT: 8.91 min Scan# 1858
Delta R.T. 0.04 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 43 Resp: 16069

Ion	Ratio	Lower	Upper
43	100		
58	38.1	28.0	42.0



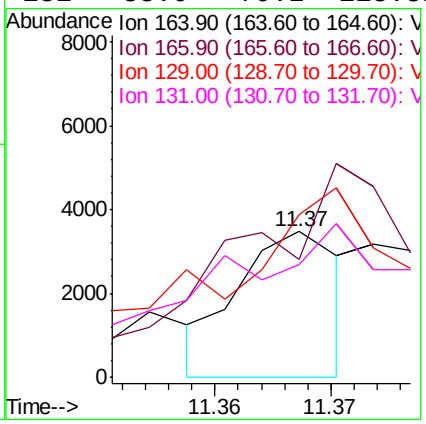


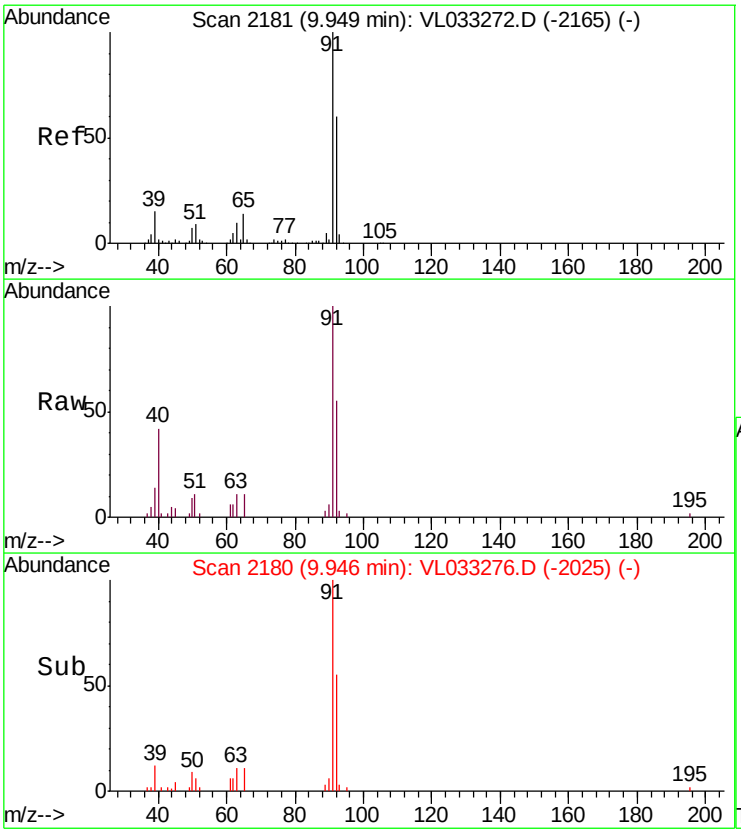
#52
Tetrachloroethene
Concen: 0.031 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:164 Resp: 2121

Ion	Ratio	Lower	Upper
164	100		
166	44.7	100.8	151.2#
129	60.1	80.6	121.0#
131	38.0	79.2	118.8#

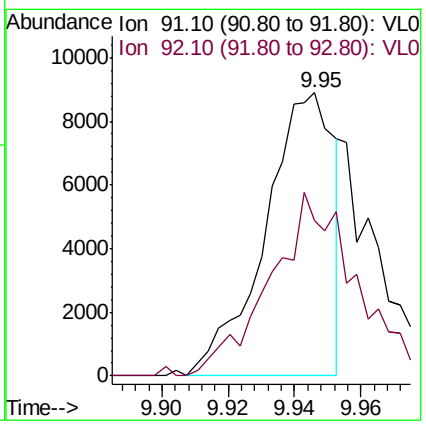


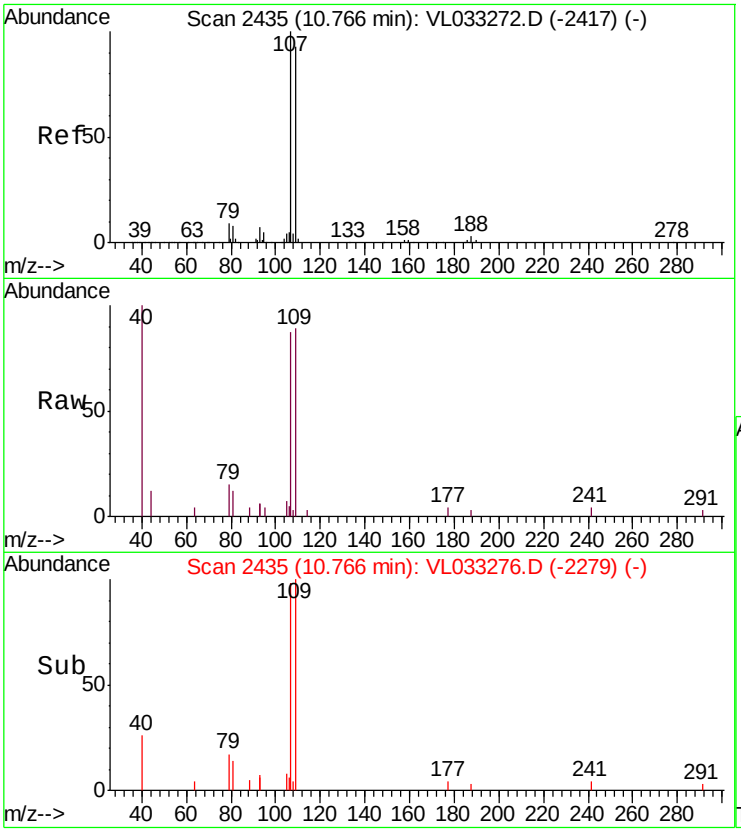


#53
Toluene
Concen: 0.061 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 91 Resp: 12858

Ion	Ratio	Lower	Upper
91	100		
92	79.6	47.8	71.8#



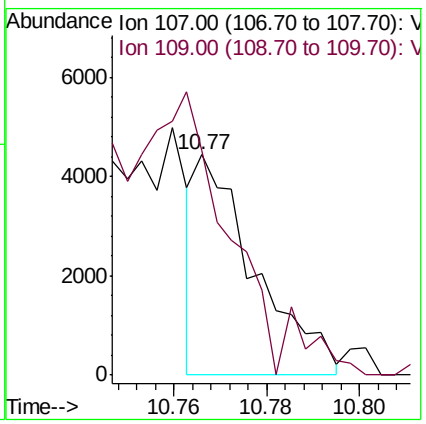


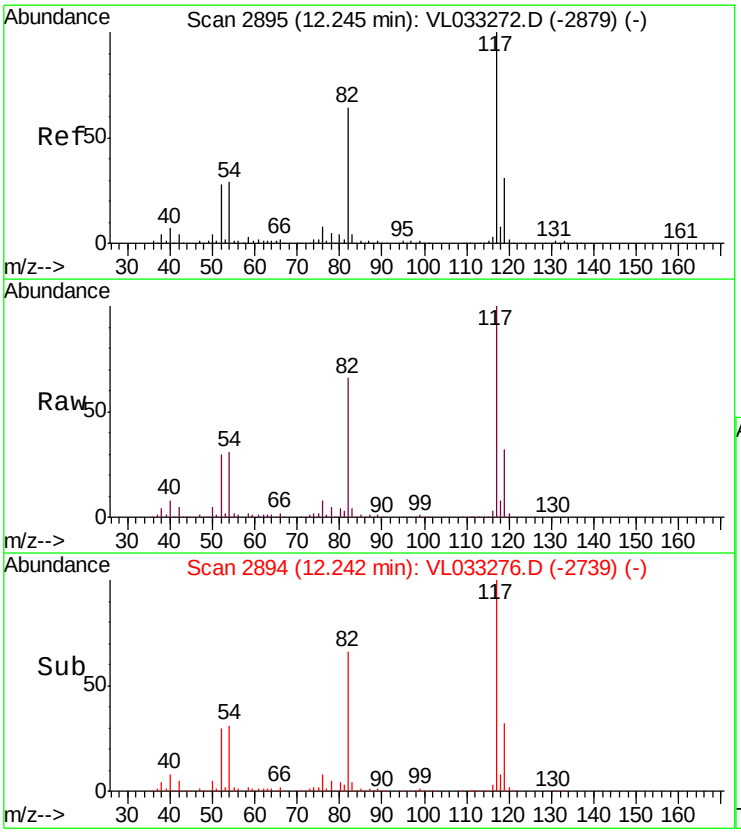
#54
1,2-Dibromoethane
Concen: 0.032 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:107 Resp: 3935

Ion	Ratio	Lower	Upper
107	100		
109	96.2	74.2	111.2

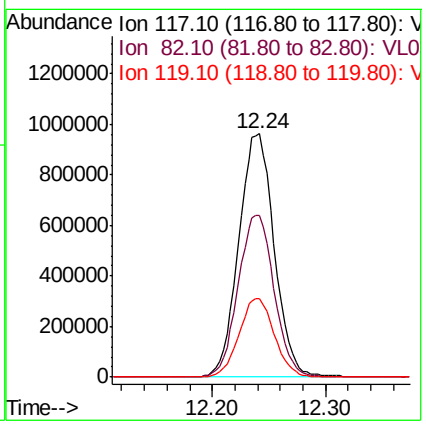


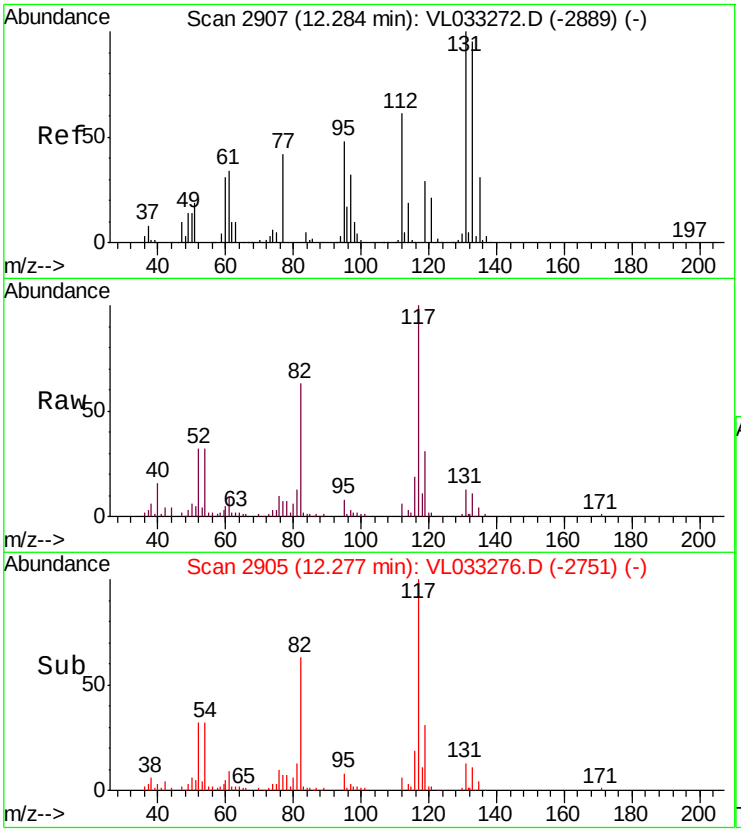


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:117 Resp: 2102027

Ion	Ratio	Lower	Upper
117	100		
82	67.5	51.1	76.7
119	32.4	43.6	65.4#



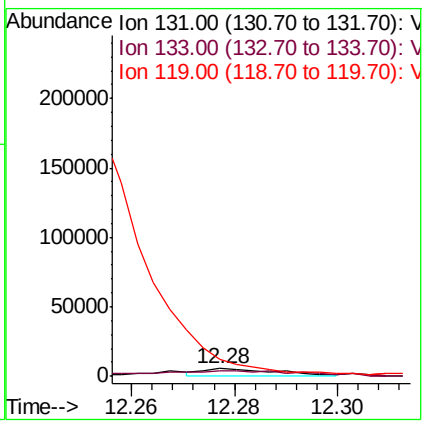


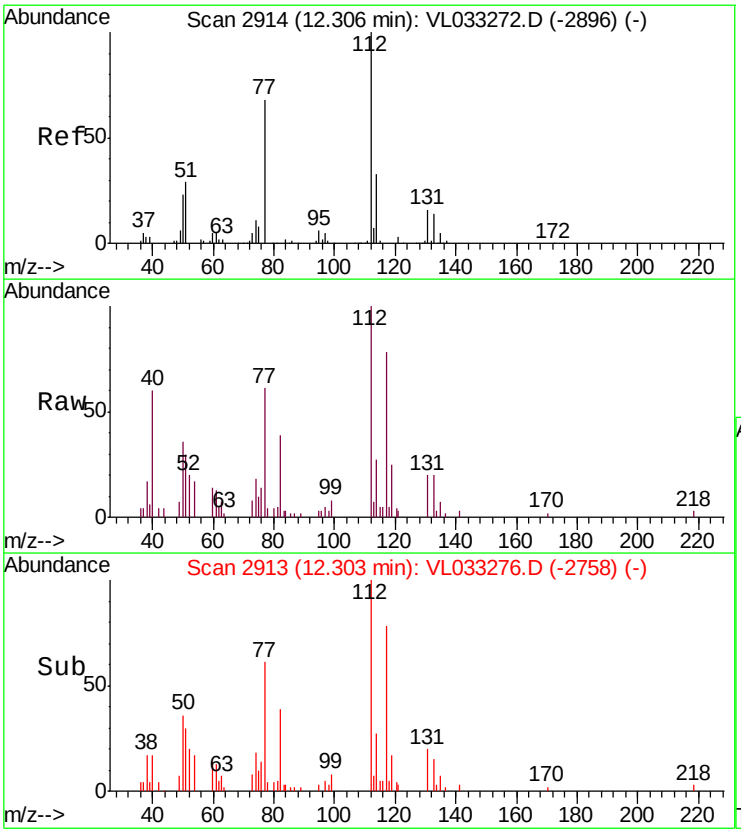
#56
1,1,1,2-Tetrachloroethane
Concen: 0.065 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:131 Resp: 5741

Ion	Ratio	Lower	Upper
131	100		
133	160.0	76.2	114.4#
119	0.0	110.3	165.5#

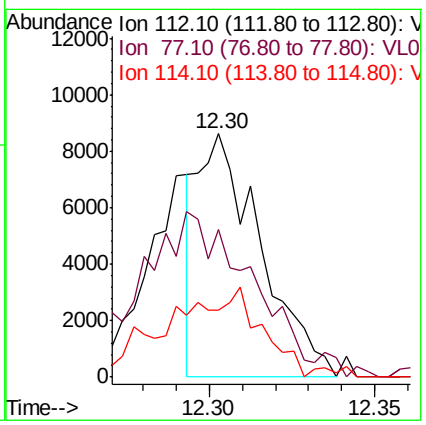


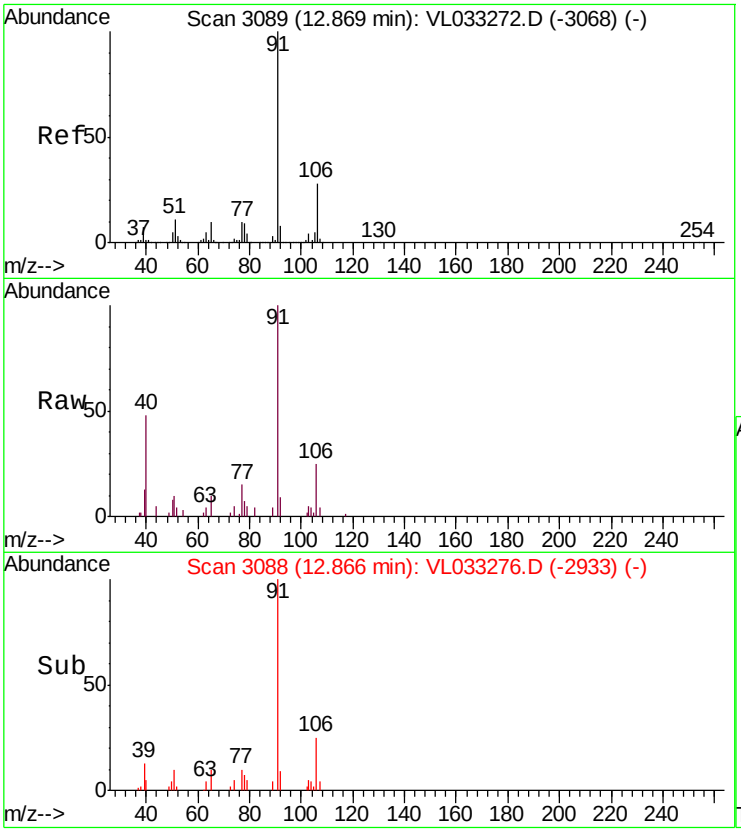


#57
Chlorobenzene
Concen: 0.073 ppbv
RT: 12.30 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:112 Resp: 11307

Ion	Ratio	Lower	Upper
112	100		
77	52.7	55.8	83.8#
114	25.6	29.5	36.1#



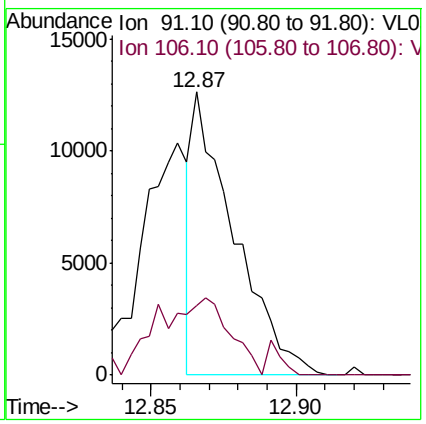


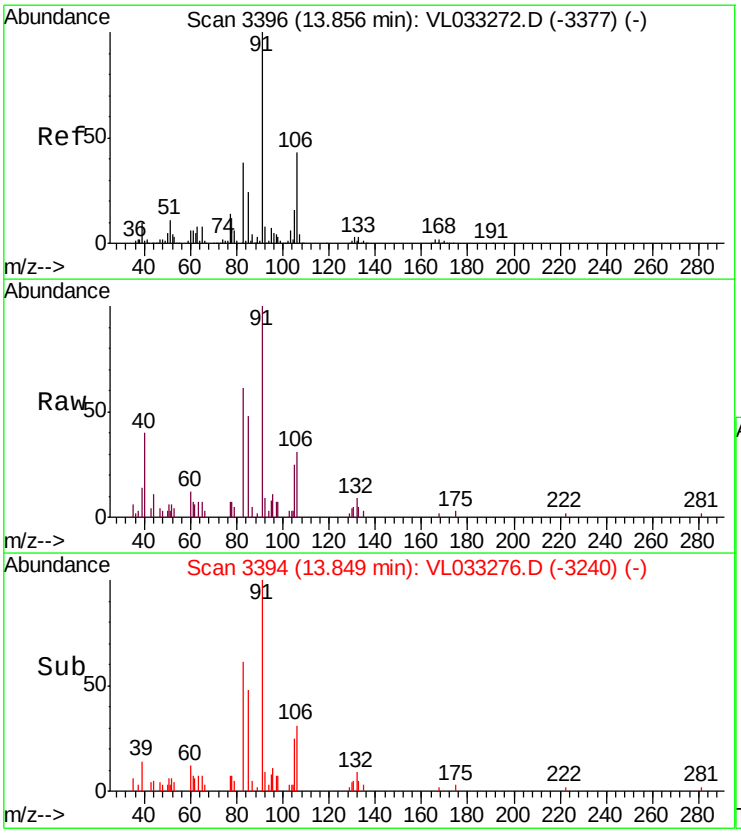
#58
Ethyl Benzene
Concen: 0.044 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 91 Resp: 12600

Ion	Ratio	Lower	Upper
91	100		
106	24.5	22.5	33.7

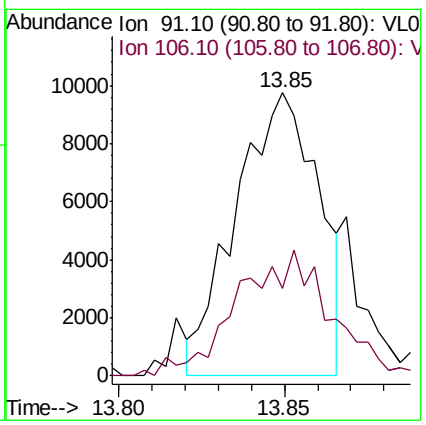


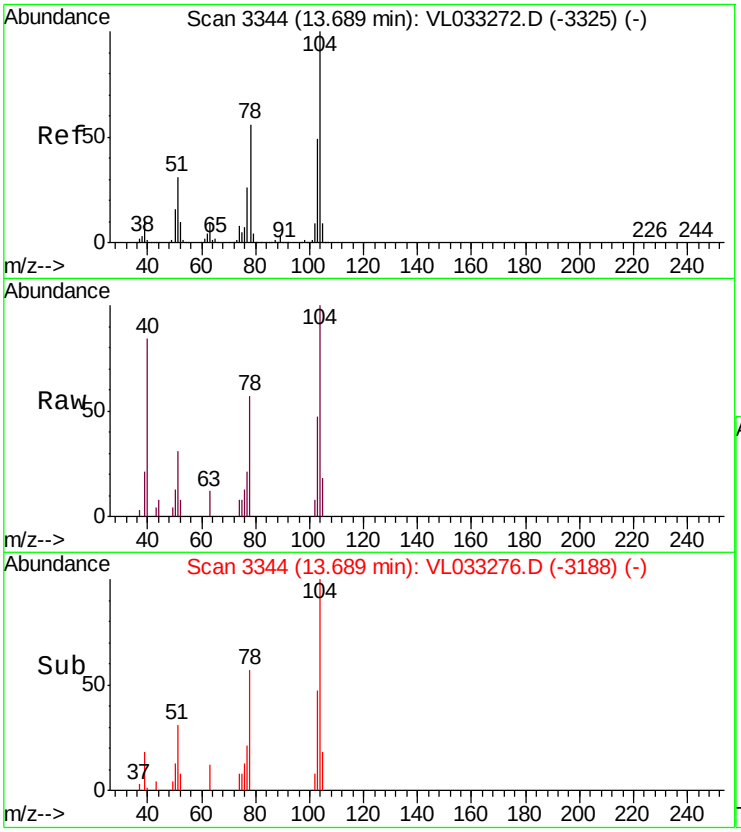


#60
o-Xylene
Concen: 0.068 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 91 Resp: 16963

Ion	Ratio	Lower	Upper
91	100		
106	49.7	21.3	63.7



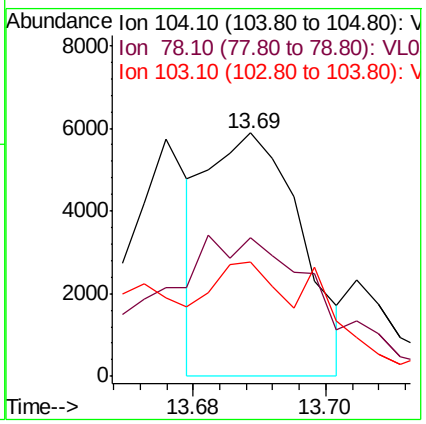


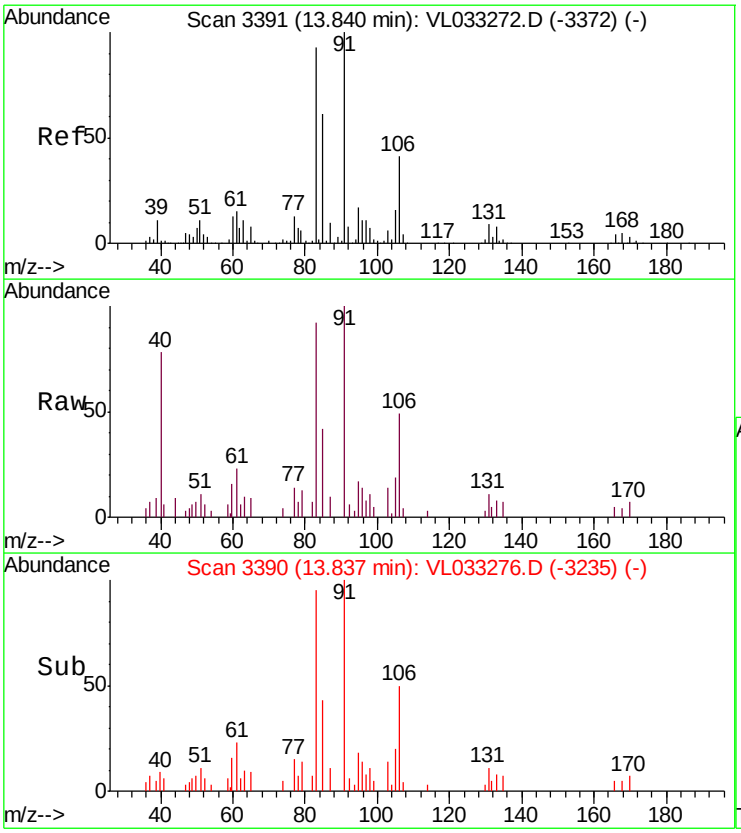
#61
Styrene
Concen: 0.034 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 5763

Ion	Ratio	Lower	Upper
104	100		
78	114.0	43.3	64.9#
103	97.0	38.0	57.0#

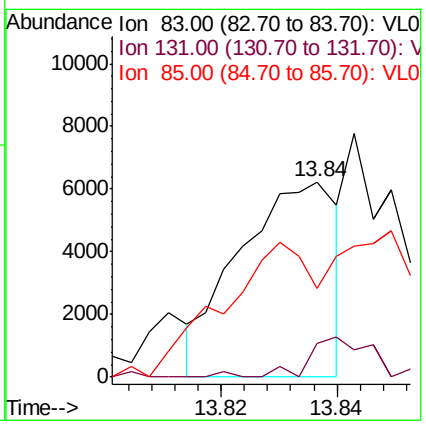


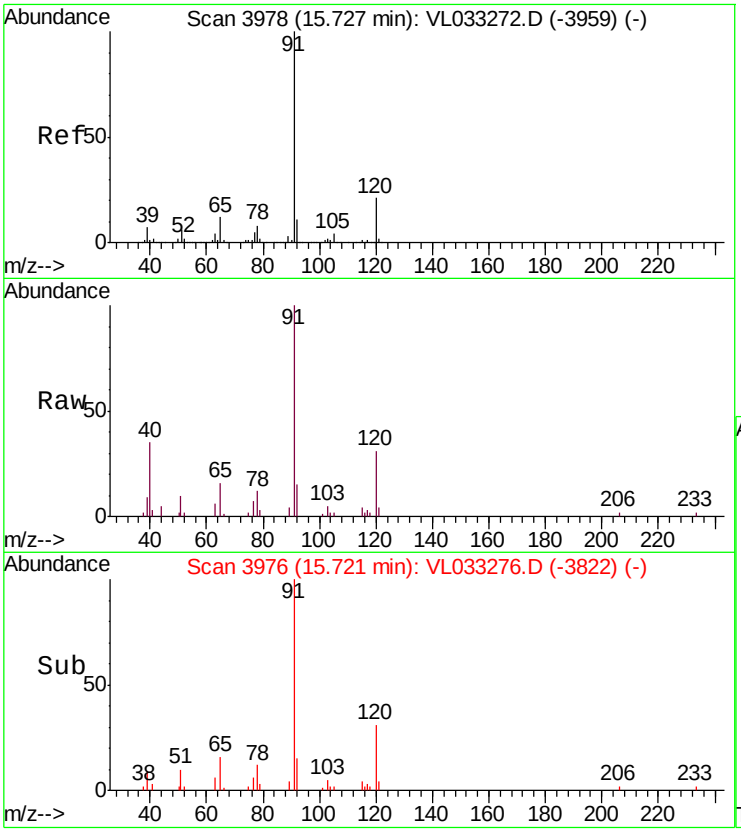


#63
1,1,2,2-Tetrachloroethane
Concen: 0.045 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 83 Resp: 7290

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.7#
85	0.0	32.2	96.6#



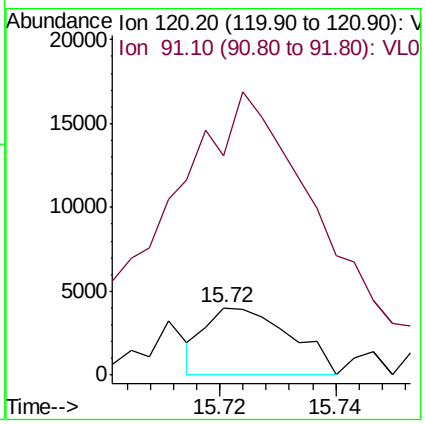


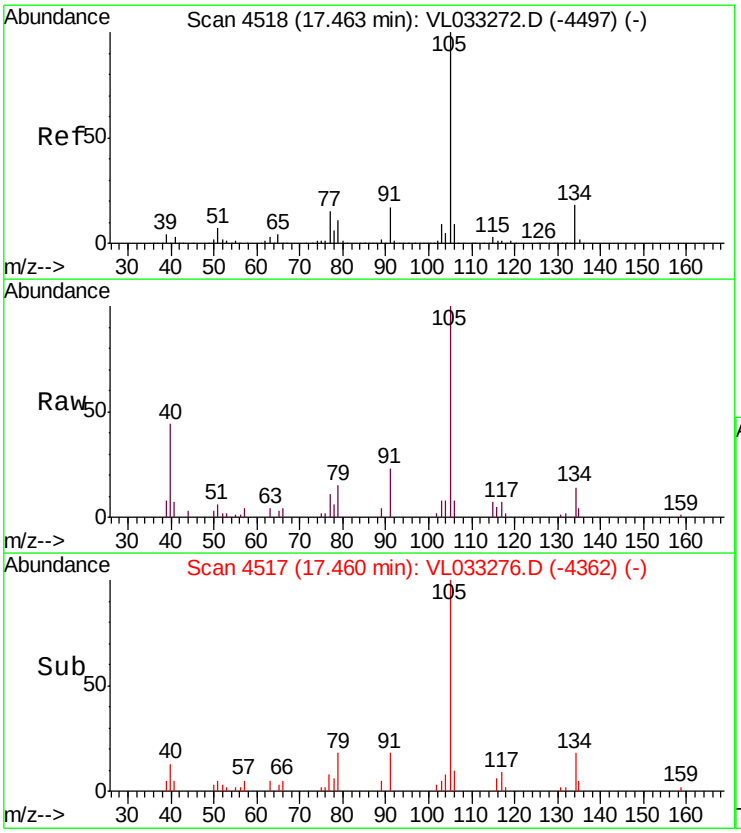
#64
n-propylbenzene
Concen: 0.050 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:120 Resp: 4044

Ion	Ratio	Lower	Upper
120	100		
91	861.4	385.8	578.8#

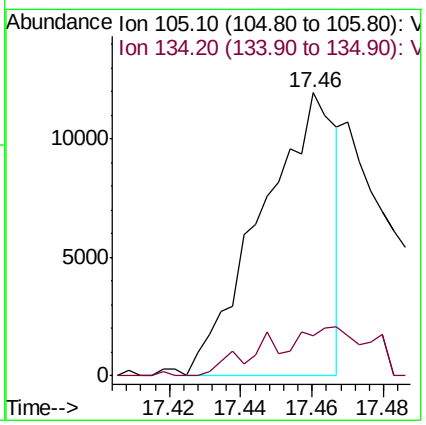


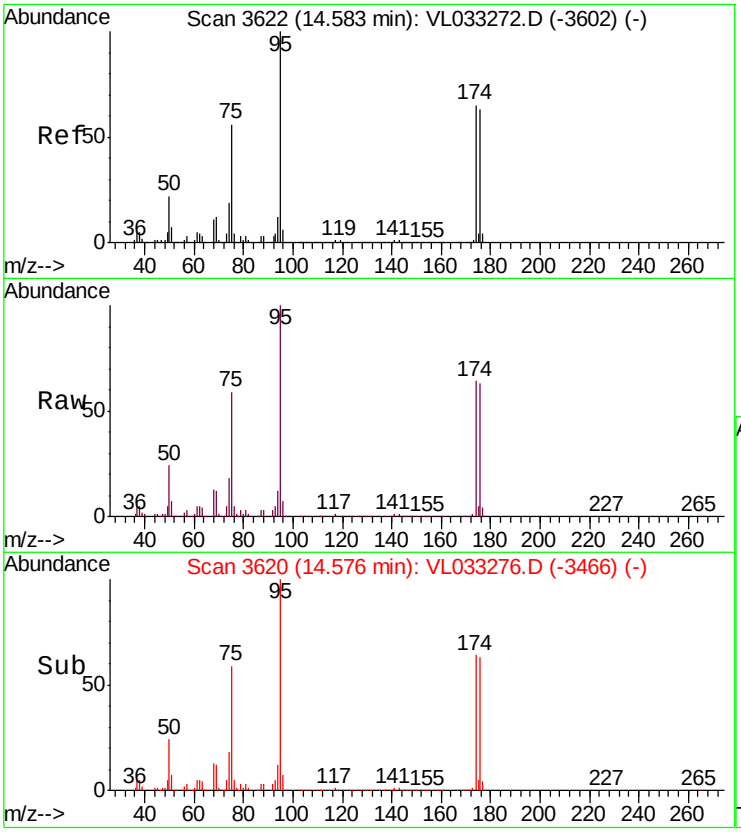


#67
sec-Butylbenzene
Concen: 0.043 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:105 Resp: 17145

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.2	21.2#



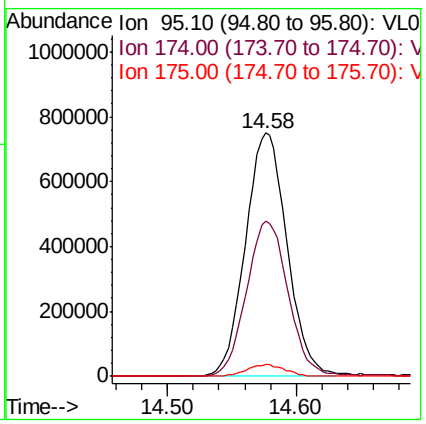


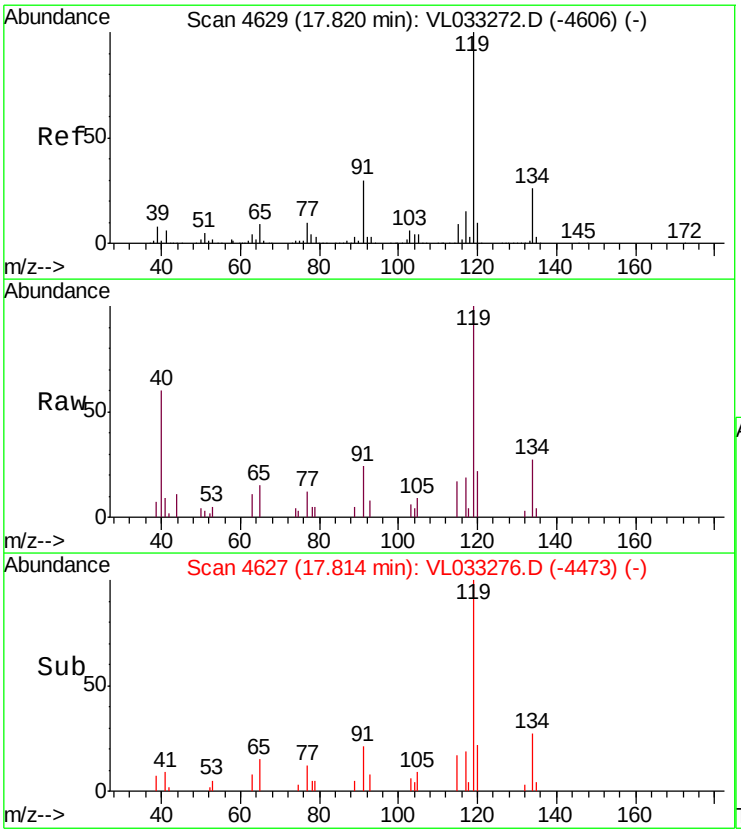
#68
1-Bromo-4-Fluorobenzene
Concen: 10.017 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 95 Resp: 1685192

Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.7	77.5
175	4.6	3.7	5.5

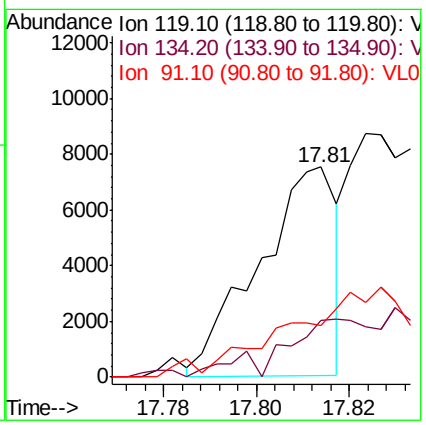


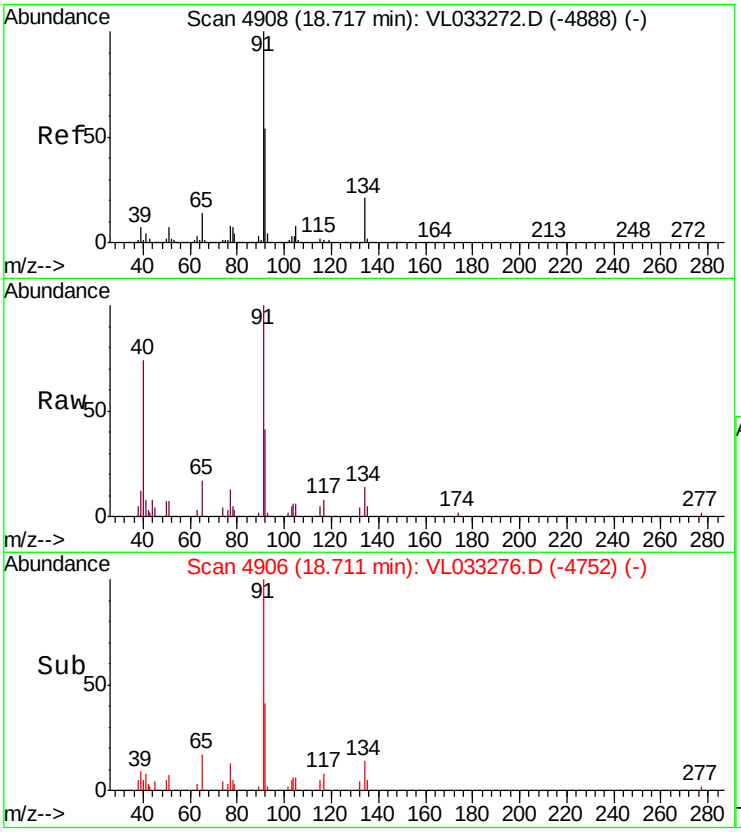


#69
p-Isopropyltoluene
Concen: 0.027 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:119 Resp: 8780

Ion	Ratio	Lower	Upper
119	100		
134	0.0	19.7	29.5#
91	0.0	23.5	35.3#



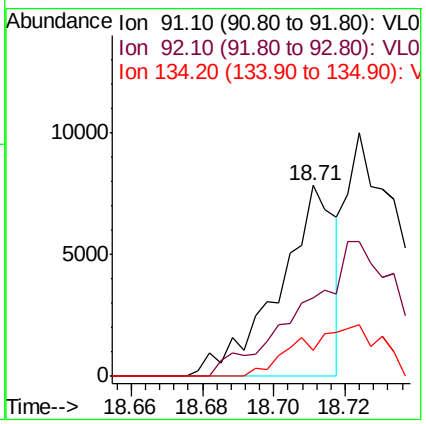


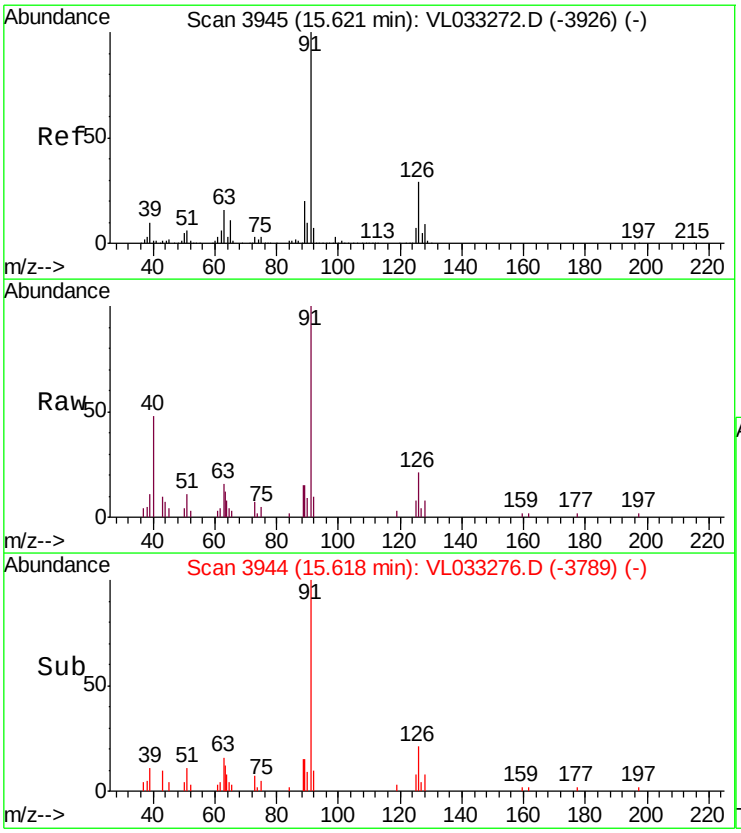
#70
n-Butylbenzene
Concen: 0.025 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 8594

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.4	63.6#
134	0.0	17.1	25.7#

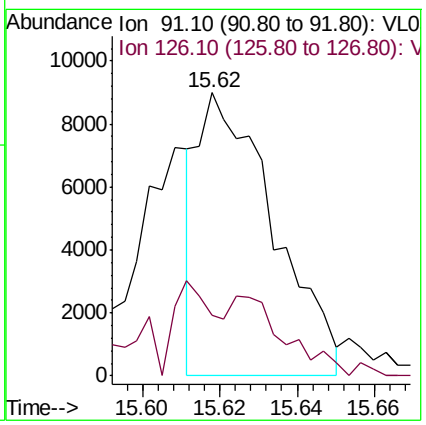


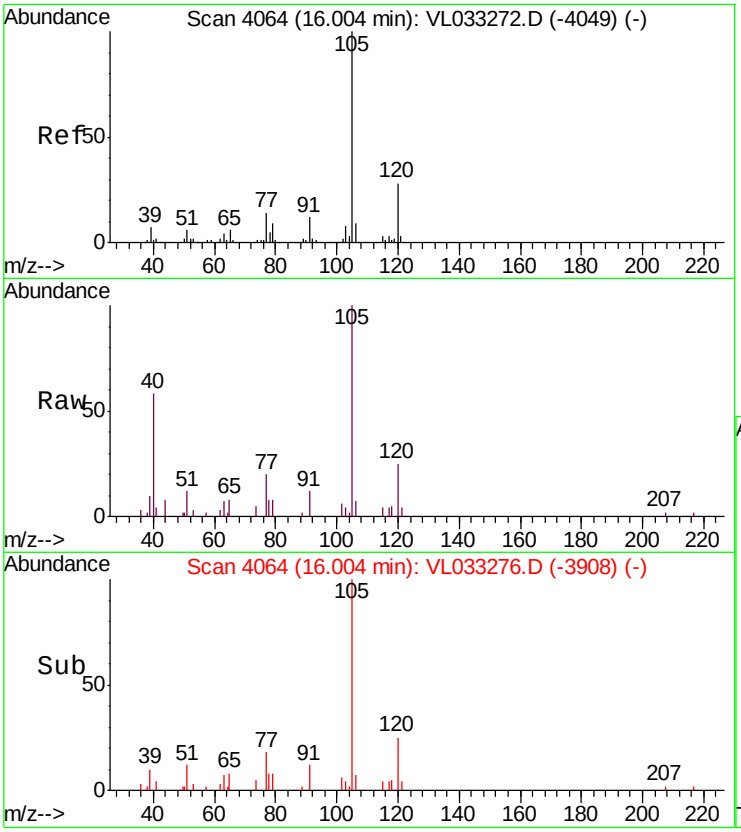


#71
2-Chlorotoluene
Concen: 0.049 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion: 91 Resp: 12165

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.7	46.7#



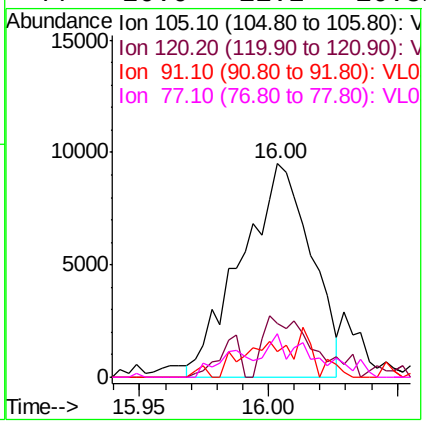


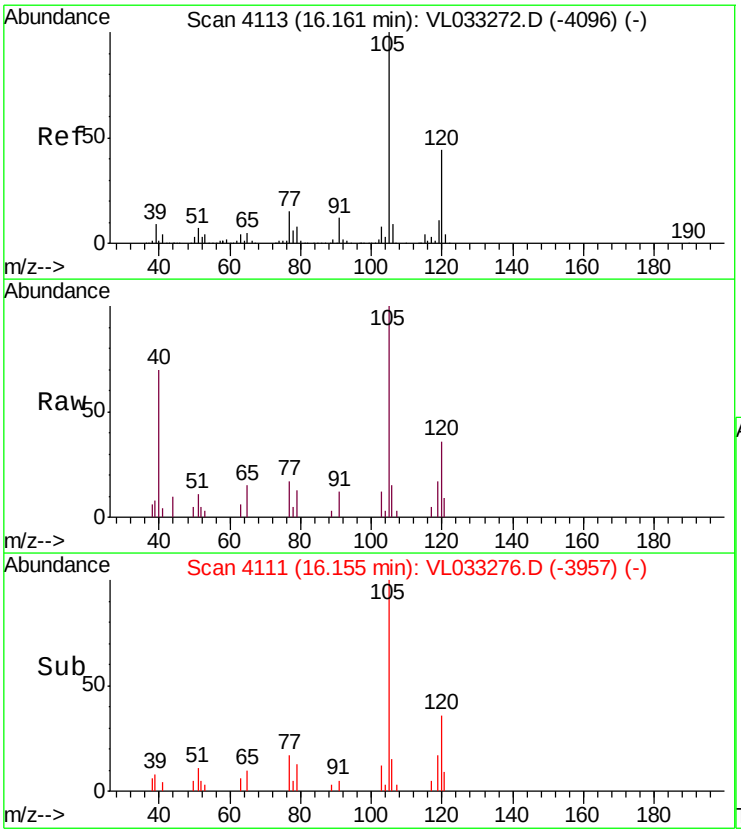
#72
4-Ethyltoluene
Concen: 0.069 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. 0.00 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 17887

Ion	Ratio	Lower	Upper
105	100		
120	28.5	22.9	34.3
91	17.5	10.2	15.2#
77	20.0	11.2	16.8#

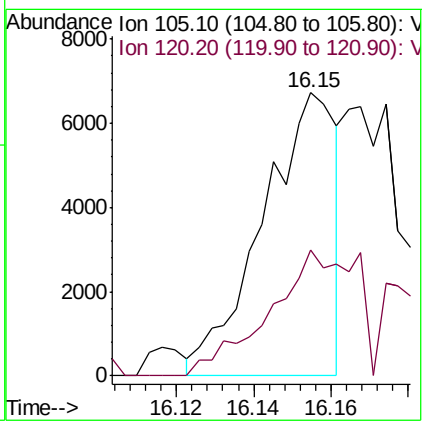


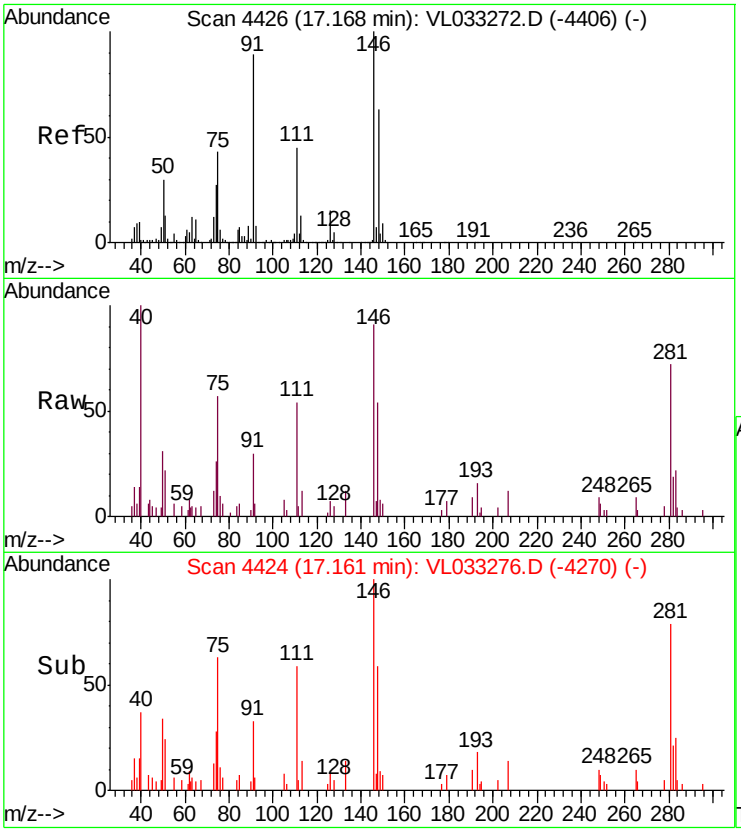


#73
1,3,5-Trimethylbenzene
Concen: 0.036 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:105 Resp: 8854

Ion	Ratio	Lower	Upper
105	100		
120	47.4	35.1	52.7



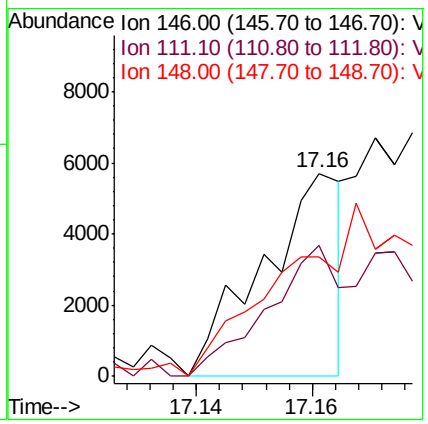


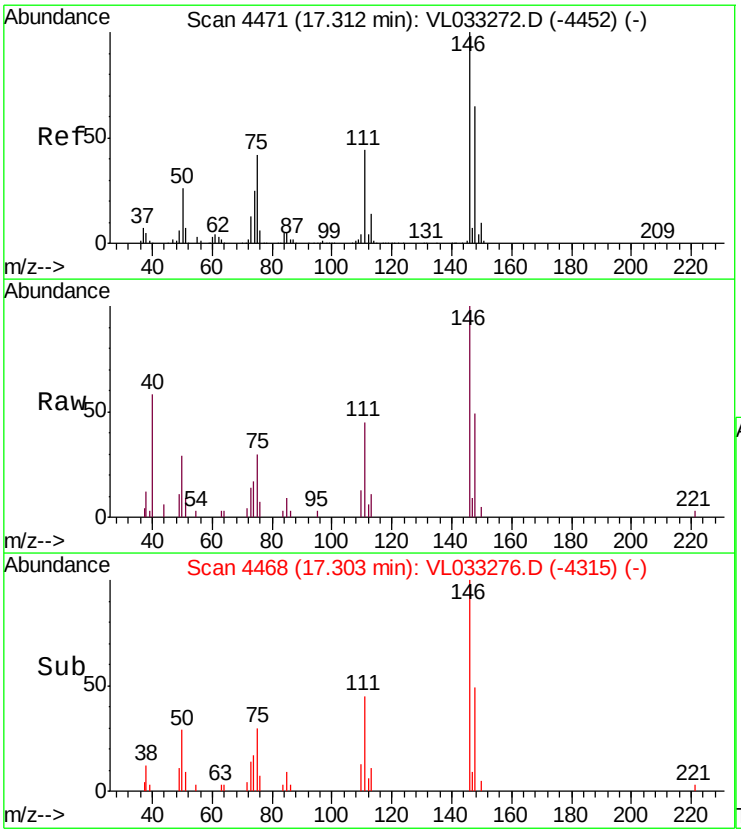
#75
1,3-Dichlorobenzene
Concen: 0.036 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 5434

Ion	Ratio	Lower	Upper
146	100		
111	150.1	22.8	68.4#
148	189.0	31.8	95.3#

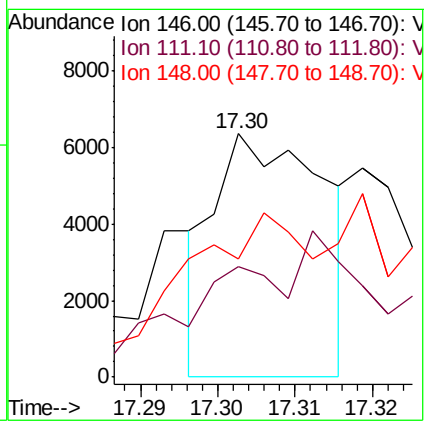


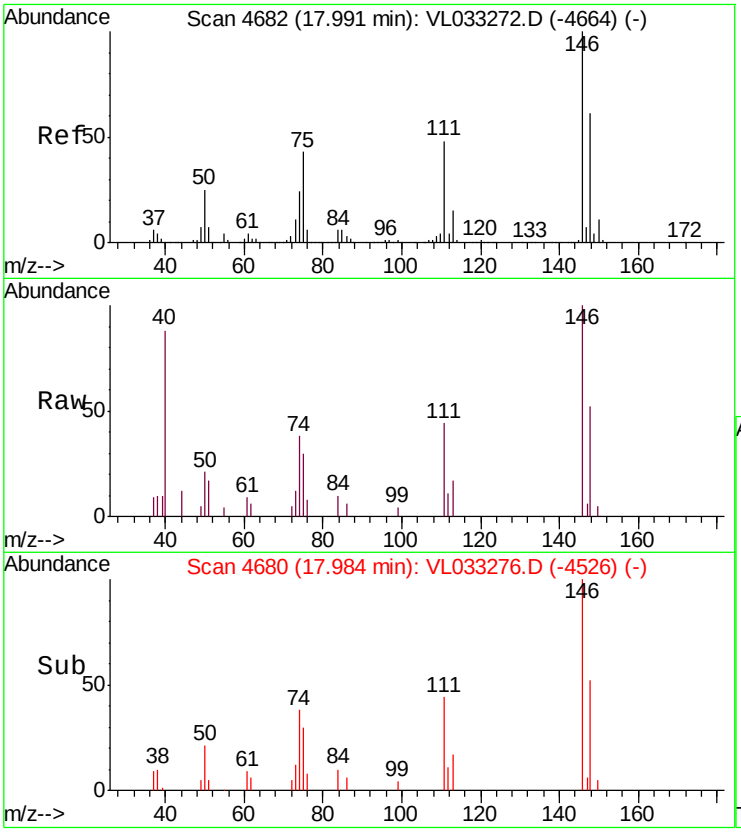


#76
1,4-Dichlorobenzene
Concen: 0.042 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:146 Resp: 6242

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.1	66.1#
148	0.0	31.8	95.3#



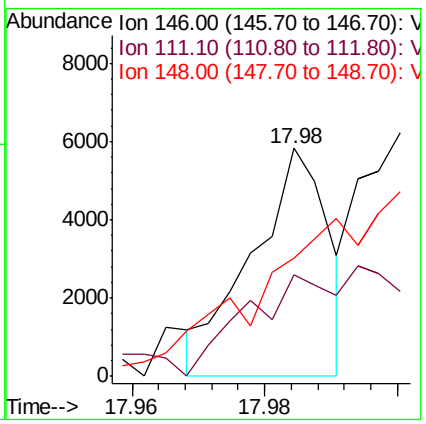


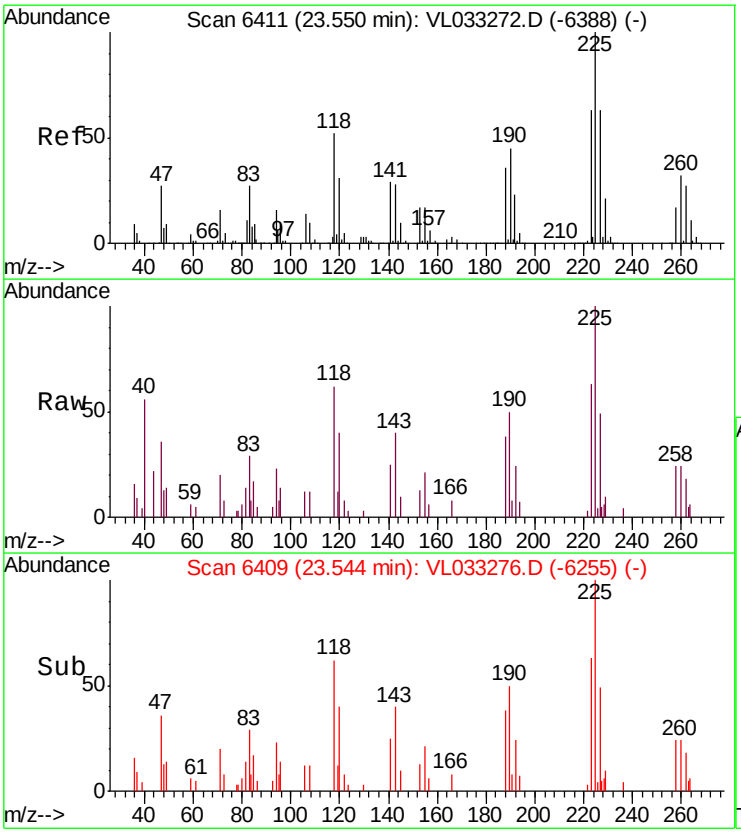
#77
1,2-Dichlorobenzene
Concen: 0.032 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 4659

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.5#
148	0.0	31.7	95.1#





#78
Hexachloro-1,3-Butadiene
Concen: 0.059 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.01 min
Lab File: VL033276.D
Acq: 12 Mar 2019 4:53

Tgt Ion:225 Resp: 6568

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.3	75.5#
227	0.0	51.1	76.7#