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

Quantitation Report (Not Reviewed)

Data File : VL033171.D
Acq On : 6 Feb 2019 3:09
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 20 05:08:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	945938	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2645657	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2575591	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2045161	10.19	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	227672	1.259	ppbv	99
3) Chlorodifluoromethane	3.02	51	136142	1.195	ppbv	100
4) Chloromethane	3.17	50	70098	1.166	ppbv	98
5) Vinyl Chloride	3.29	62	67562	1.075	ppbv	97
6) Bromomethane	3.51	94	41688	1.208	ppbv	99
7) Chloroethane	3.60	64	24452	1.191	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	173825	1.229	ppbv	98
9) Propene	3.04	41	66486	1.208	ppbv	97
10) Heptane	8.25	43	197588	1.187	ppbv	98
11) Trichlorofluoromethane	4.00	101	175240	1.197	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	122193	1.204	ppbv	98
13) Ethanol	3.65	45	27556	1.502	ppbv	99
14) Bromoethene	3.79	108	52608	1.202	ppbv	97
15) Acetone	3.91	43	134807	1.265	ppbv	98
16) 1,3-Butadiene	3.36	39	63896	1.263	ppbv	92
17) tert-Butyl alcohol	4.37	59	15240	0.750	ppbv #	74
18) 1,1-Dichloroethene	4.35	96	52036	1.146	ppbv	89
19) Isopropyl Alcohol	4.03	45	96293	1.332	ppbv #	97
20) Methylene Chloride	4.41	84	52392	1.236	ppbv	98
21) Allyl Chloride	4.48	41	80996	1.151	ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	51525	1.168	ppbv	91
23) Vinyl Acetate	5.16	43	209326	1.133	ppbv	97
24) 1,1-Dichloroethane	5.09	63	156697	1.199	ppbv	98
25) Ethyl Acetate	5.77	43	271496	1.133	ppbv	99
26) Hexane	5.78	57	128815	1.145	ppbv	96
27) Carbon Disulfide	4.62	76	114984	1.116	ppbv #	91
28) Methyl tert-Butyl Ether	5.12	73	185864	1.209	ppbv	99
29) Chloroform	5.85	83	191539	1.111	ppbv	96
30) Cyclohexane	7.25	84	127881	1.225	ppbv	96
31) cis-1,2-Dichloroethene	5.64	61	123189	1.094	ppbv	97
32) 1,1,1-Trichloroethane	6.62	97	208390	1.098	ppbv	98
34) 2-Butanone	5.34	43	186406	1.111	ppbv	100
35) Carbon Tetrachloride	7.13	117	211399	1.046	ppbv	98
36) Benzene	7.00	78	310274	1.157	ppbv	96
37) 1,2-Dichloroethane	6.41	62	170415	1.147	ppbv	99
38) Trichloroethene	7.96	130	112945	0.984	ppbv	88
39) 1,2-Dichloropropane	7.73	63	119030	1.124	ppbv	90
40) 1,4-Dioxane	7.98	88	33115	0.860	ppbv #	1
41) Tetrahydrofuran	6.16	42	54591	0.526	ppbv #	28
42) Bromodichloromethane	7.92	83	237085	1.101	ppbv #	98
43) Methyl Methacrylate	8.14	69	116694	1.084	ppbv	98

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

Quantitation Report (Not Reviewed)

Data File : VL033171.D
Acq On : 6 Feb 2019 3:09
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 20 05:08:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	515933	1.135	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	114692	0.959	ppbv		92
46) cis-1,3-Dichloropropene	8.84	75	160147	1.051	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	74484	0.678	ppbv		97
48) Dibromochloromethane	10.46	129	189089	1.093	ppbv		100
49) Bromoform	13.20	173	73640	0.495	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.88	43	300809	1.118	ppbv		100
51) 2-Hexanone	10.29	43	232111	1.094	ppbv	#	100
52) Tetrachloroethene	11.37	164	62013	0.602	ppbv		89
53) Toluene	9.95	91	357378	1.126	ppbv		100
54) 1,2-Dibromoethane	10.76	107	193609	1.123	ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.28	131	133726	1.115	ppbv	#	1
57) Chlorobenzene	12.30	112	266564	1.169	ppbv		95
58) Ethyl Benzene	12.87	91	504262	1.193	ppbv		97
59) m/p-Xylene	13.15	91	434489	1.235	ppbv	#	31
60) o-Xylene	13.85	91	417244	1.217	ppbv		98
61) Styrene	13.69	104	306862	1.185	ppbv		99
62) Isopropylbenzene	14.83	105	581631	1.202	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	288239	1.075	ppbv		98
64) n-propylbenzene	15.73	120	149453	1.215	ppbv		95
65) tert-Butylbenzene	16.91	119	517113	1.227	ppbv		97
66) Benzyl Chloride	17.16	91	128796	0.855	ppbv		98
67) sec-Butylbenzene	17.46	105	761145	1.244	ppbv		98
69) p-Isopropyltoluene	17.82	119	639657	1.256	ppbv		99
70) n-Butylbenzene	18.72	91	711116	1.294	ppbv		98
71) 2-Chlorotoluene	15.62	91	459186	1.208	ppbv		99
72) 4-Ethyltoluene	16.00	105	478154	1.209	ppbv		98
73) 1,3,5-Trimethylbenzene	16.16	105	450021	1.190	ppbv		93
74) 1,2,4-Trimethylbenzene	16.93	105	482223	1.229	ppbv		94
75) 1,3-Dichlorobenzene	17.17	146	273190	1.207	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	264092	1.178	ppbv		98
77) 1,2-Dichlorobenzene	17.99	146	272687	1.219	ppbv		97
78) Hexachloro-1,3-Butadiene	23.55	225	133223	1.198	ppbv		98
79) Naphthalene	22.42	128	511631	1.213	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	248957	1.167	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	263343	1.229	ppbv		100

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

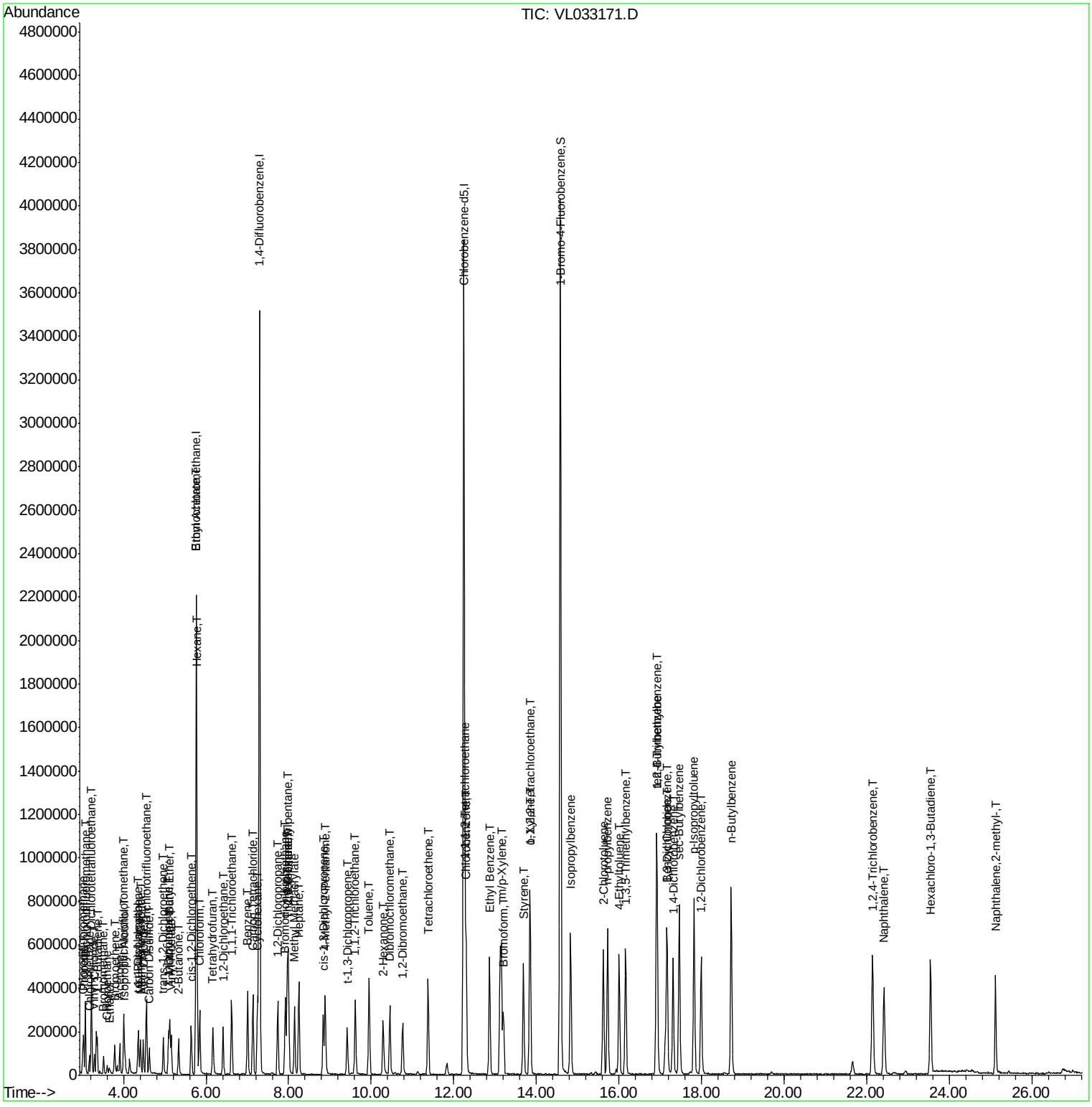
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

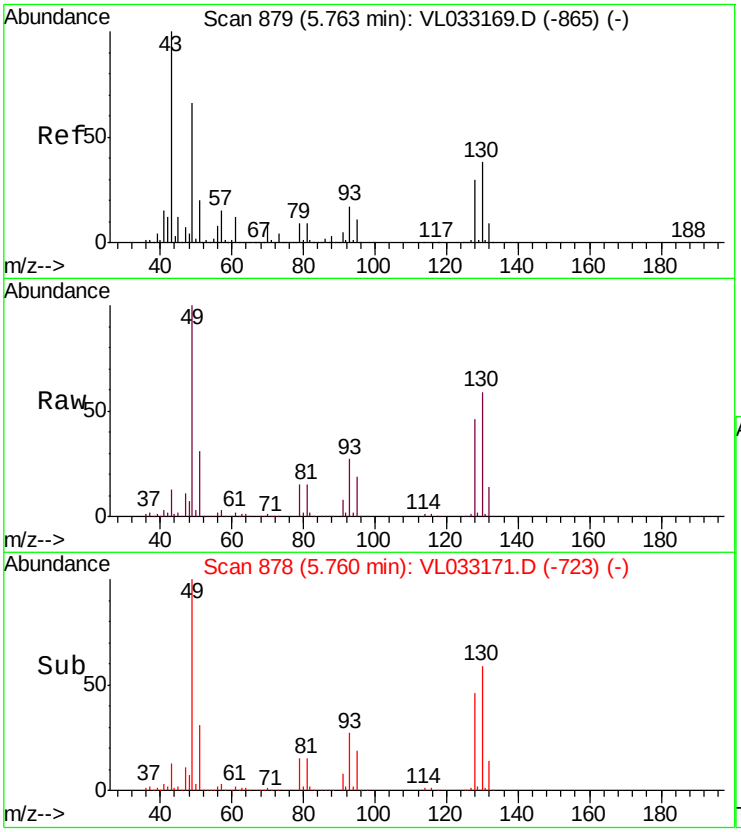
Quantitation Report (Not Reviewed)

Data File : VL033171.D
Acq On : 6 Feb 2019 3:09
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 20 05:08:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration



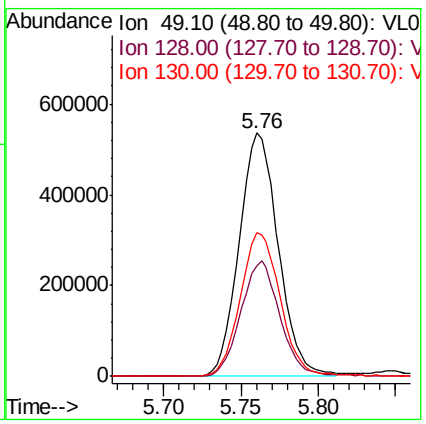


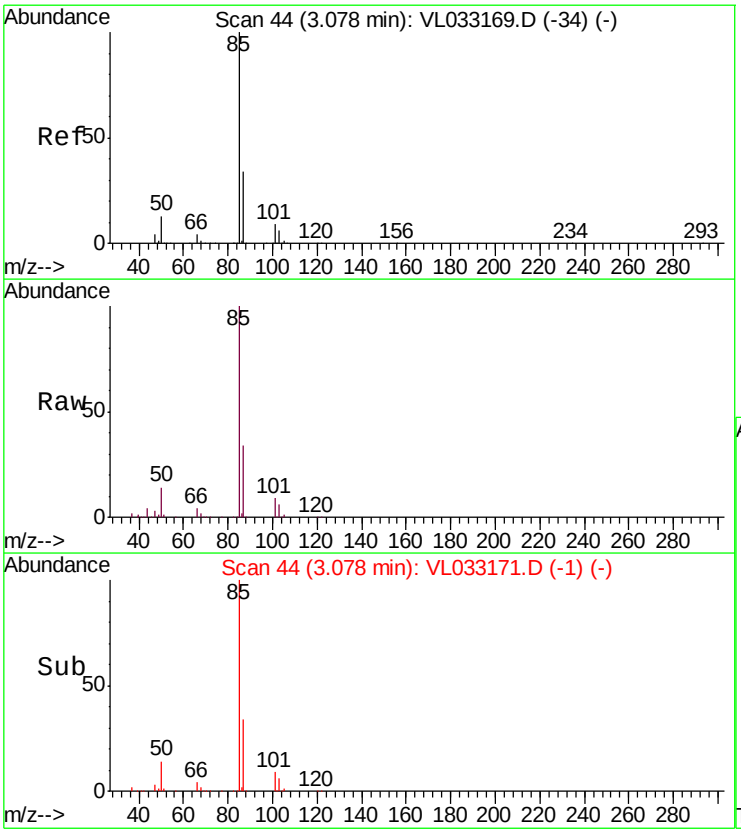
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 945938

Ion	Ratio	Lower	Upper
49	100		
128	47.8	23.6	71.0
130	60.8	30.3	91.0

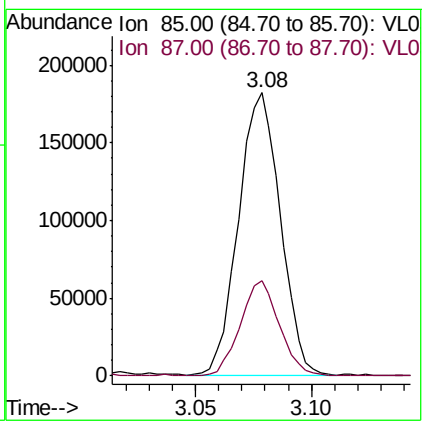


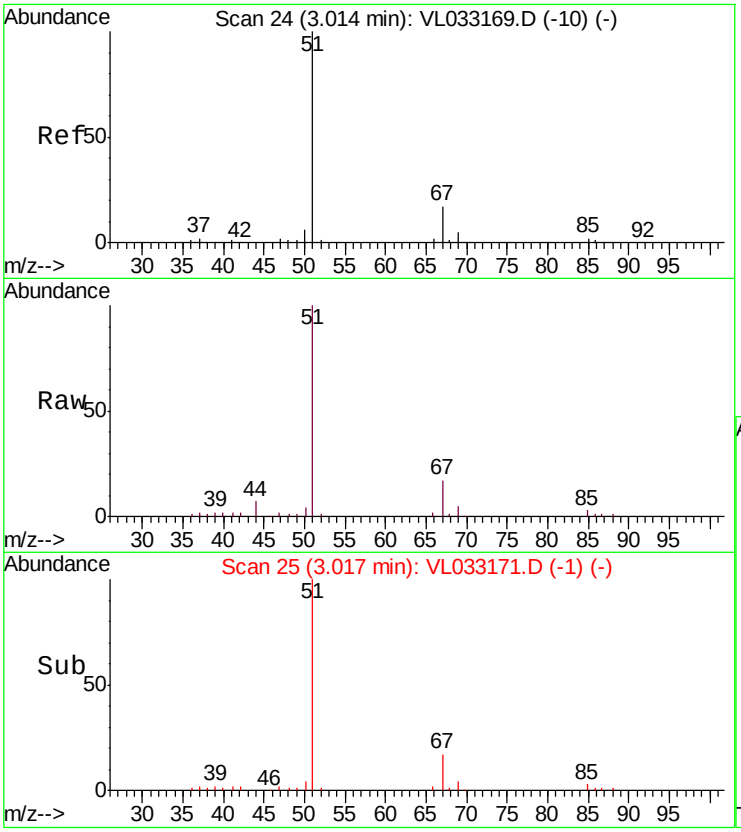


#2
Dichlorodifluoromethane
Concen: 1.259 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 85 Resp: 227672

Ion	Ratio	Lower	Upper
85	100		
87	33.5	27.4	41.2



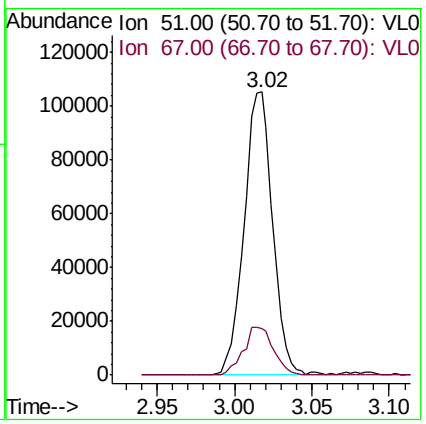


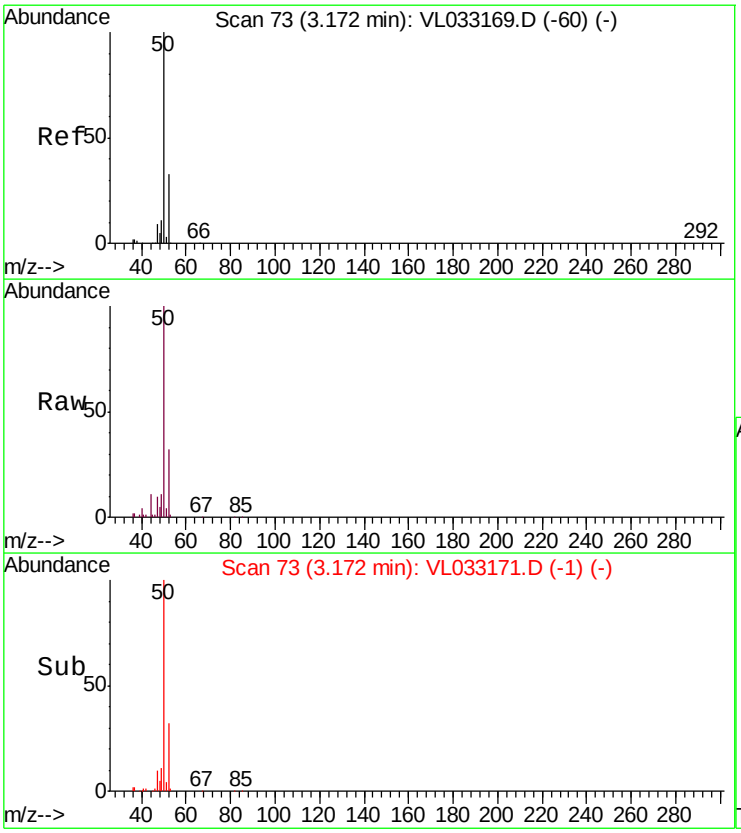
#3
Chlorodifluoromethane
Concen: 1.195 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 136142

Ion	Ratio	Lower	Upper
51	100		
67	17.7	14.0	21.0

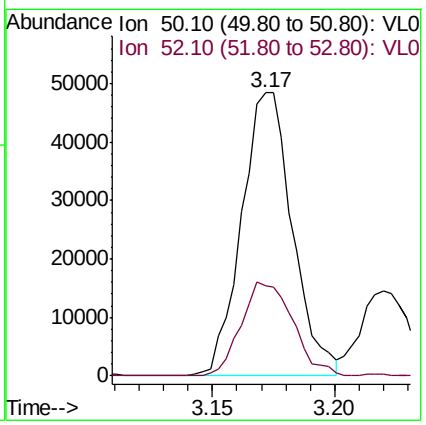


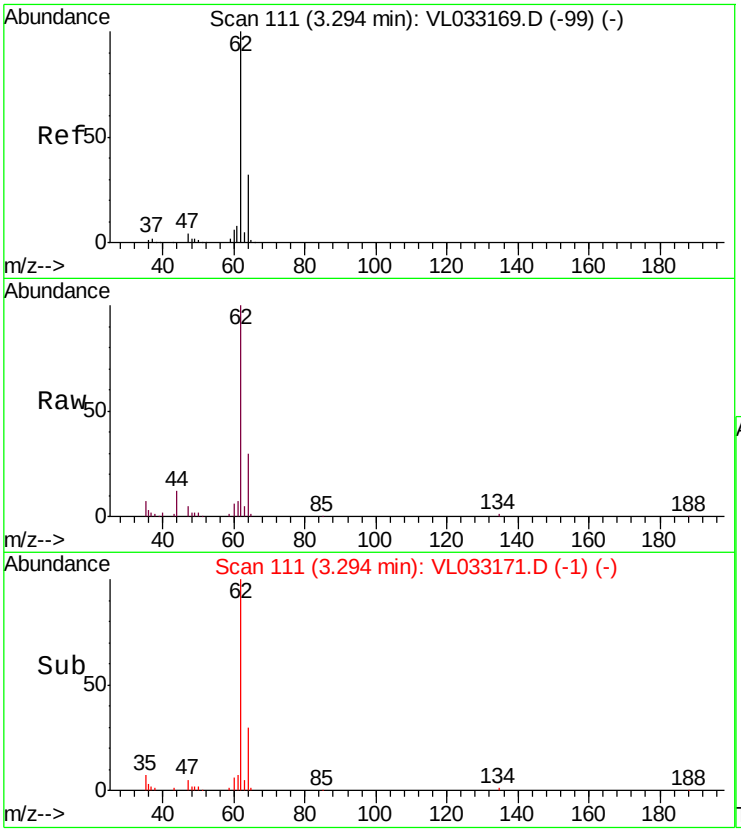


#4
Chloromethane
Concen: 1.166 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 50 Resp: 70098

Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.5	39.7



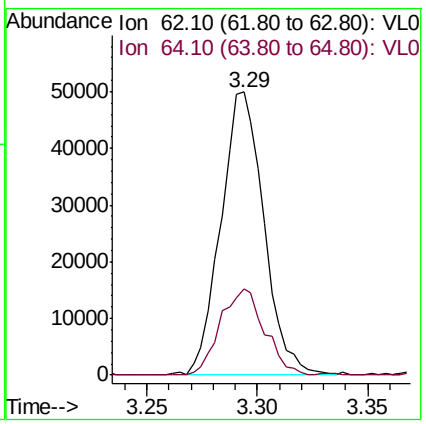


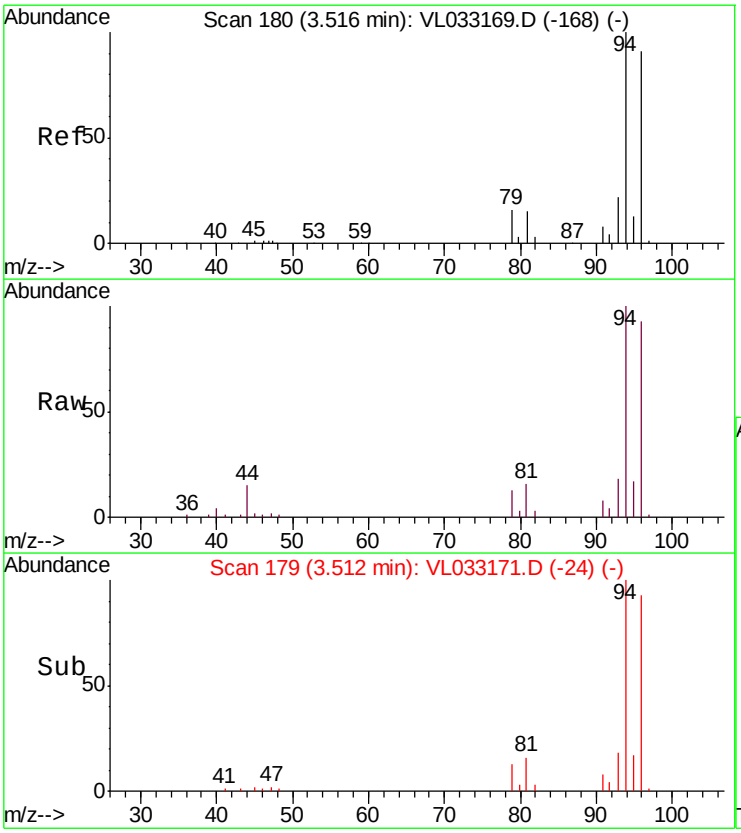
#5
Vinyl Chloride
Concen: 1.075 ppbv
RT: 3.29 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 67562

Ion	Ratio	Lower	Upper
62	100		
64	30.1	25.6	38.4

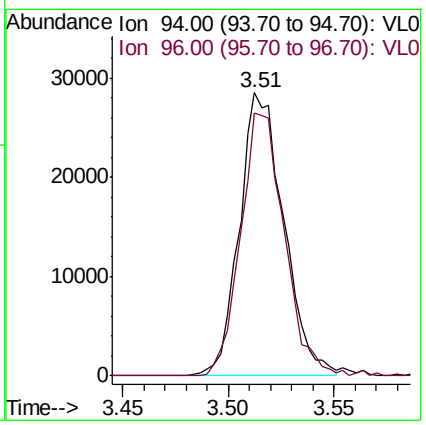


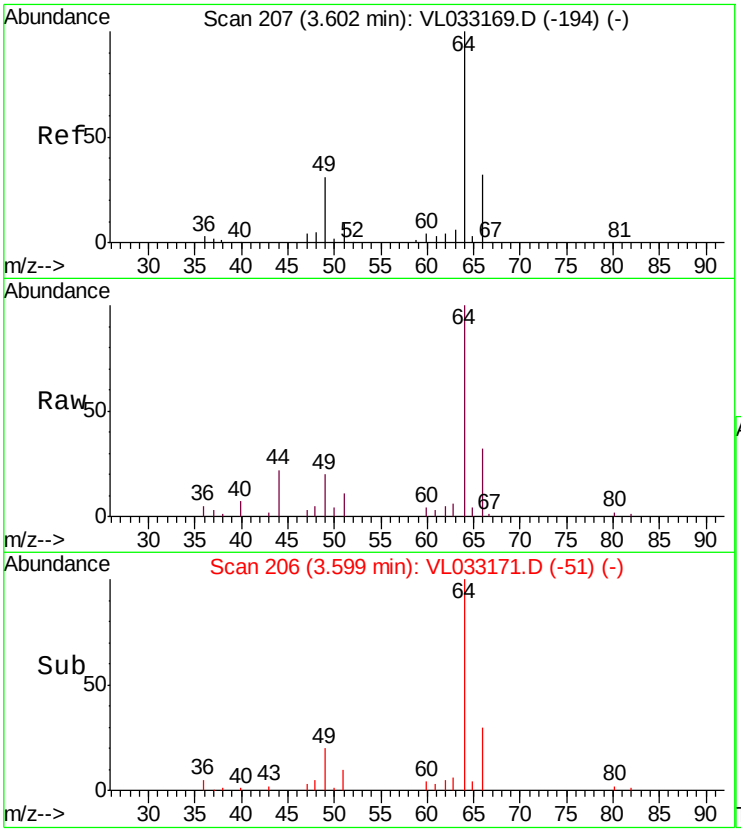


#6
Bromomethane
Concen: 1.208 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 94 Resp: 41688

Ion	Ratio	Lower	Upper
94	100		
96	92.7	73.2	109.8



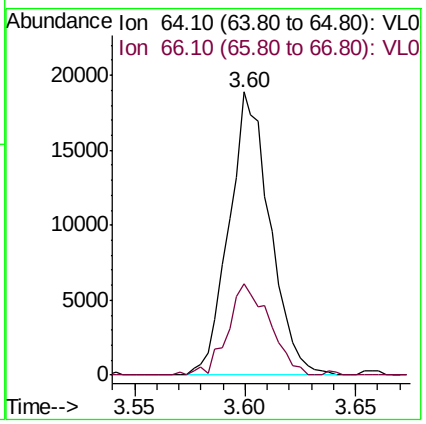


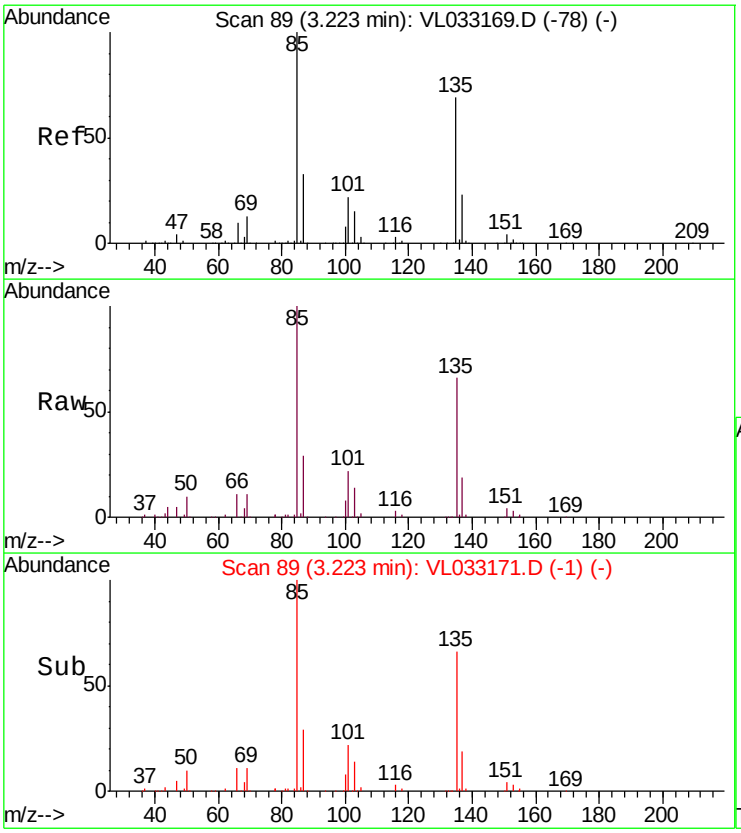
#7
Chloroethane
Concen: 1.191 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 24452

Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.0	39.0

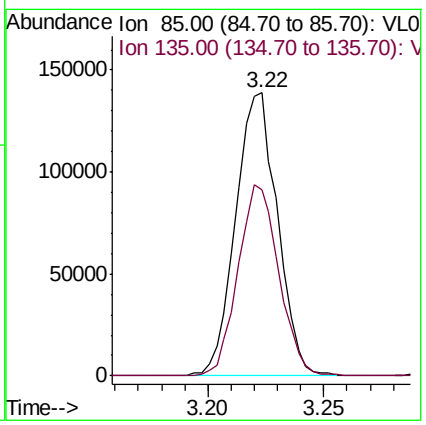


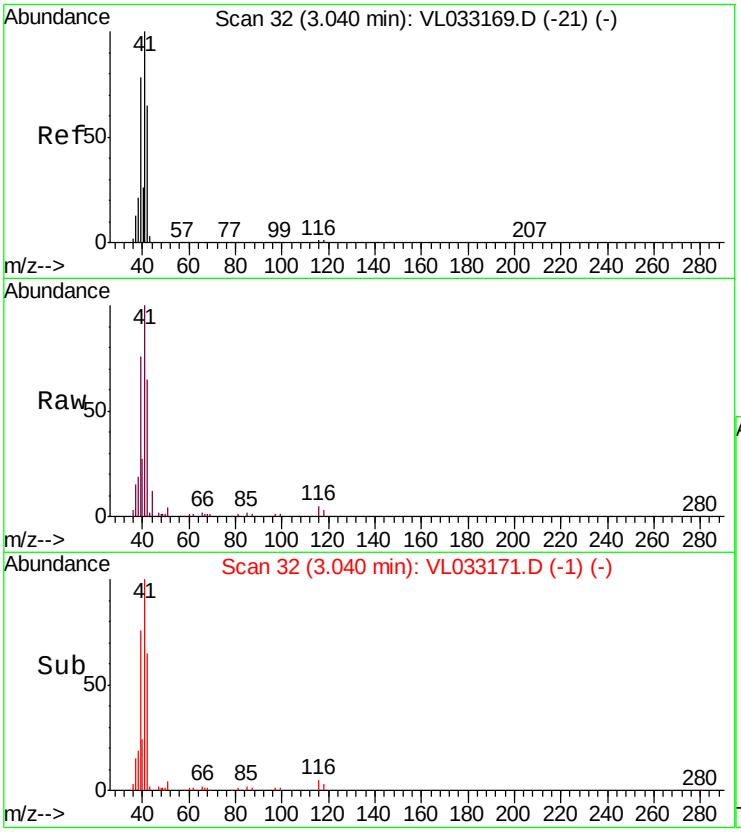


#8
Dichlorotetrafluoroethane
Concen: 1.229 ppbv
RT: 3.22 min Scan# 89
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 85 Resp: 173825

Ion	Ratio	Lower	Upper
85	100		
135	66.1	54.3	81.5



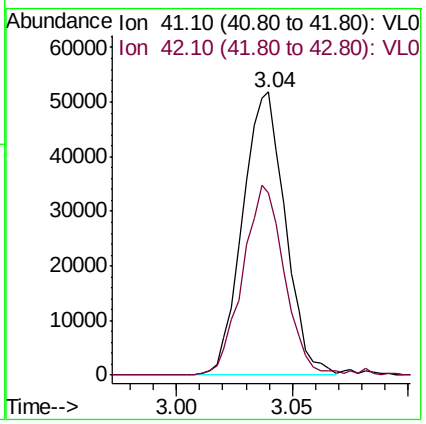


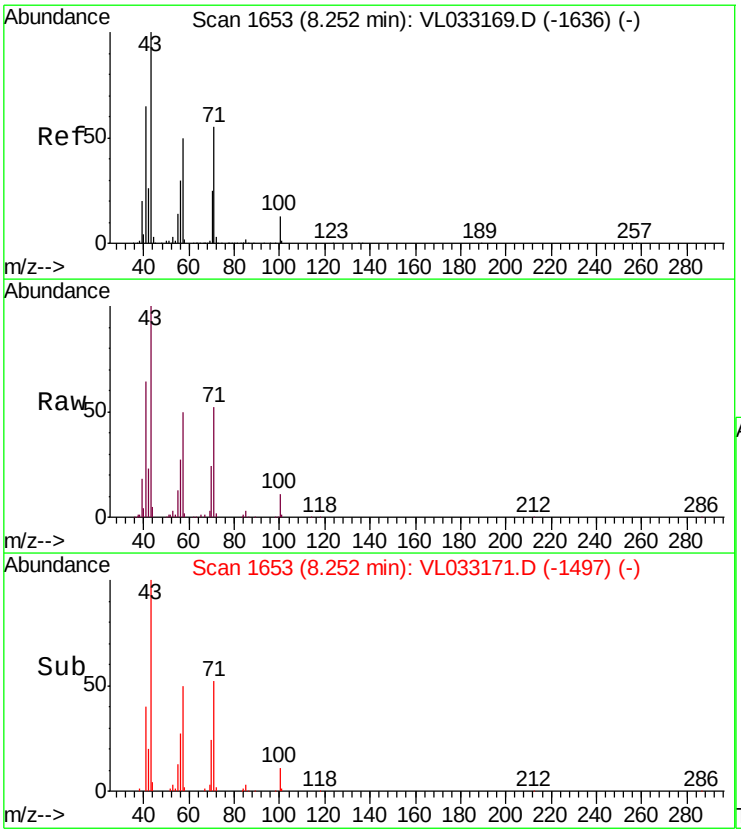
#9
Propene
Concen: 1.208 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 66486

Ion	Ratio	Lower	Upper
41	100		
42	66.6	55.0	82.6

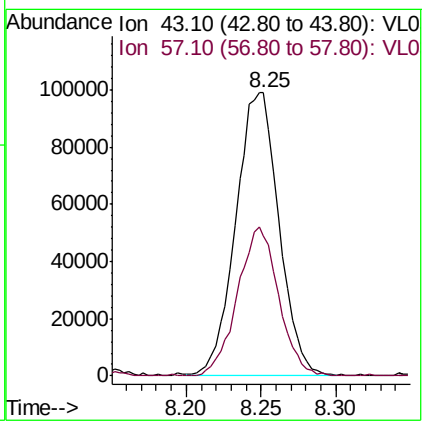


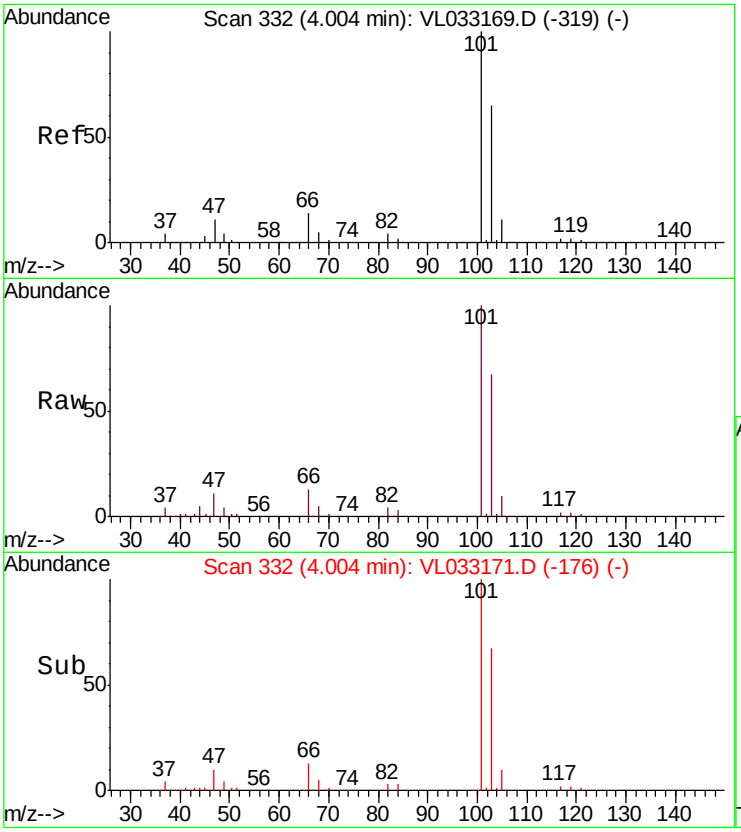


#10
Heptane
Concen: 1.187 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 43 Resp: 197588

Ion	Ratio	Lower	Upper
43	100		
57	50.5	39.5	59.3



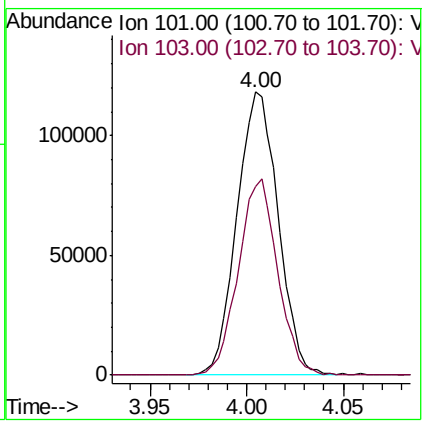


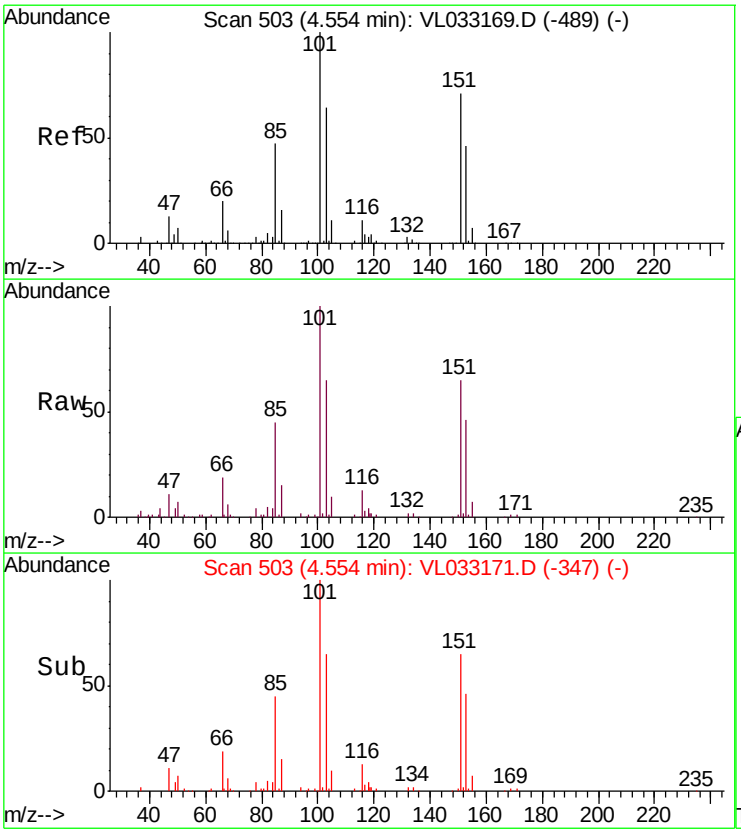
#11
Trichlorofluoromethane
Concen: 1.197 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 175240

Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.7	77.5

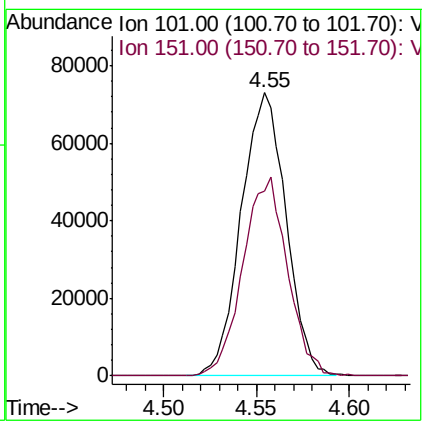


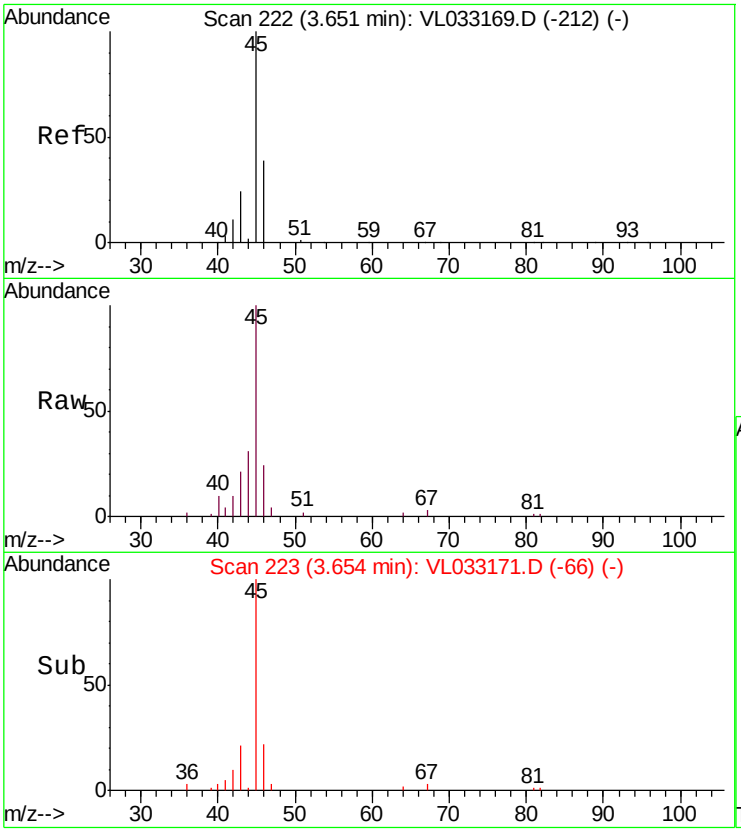


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.204 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:101 Resp: 122193

Ion	Ratio	Lower	Upper
101	100		
151	70.0	57.4	86.0



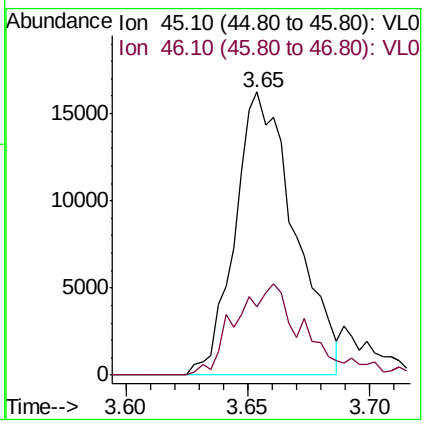


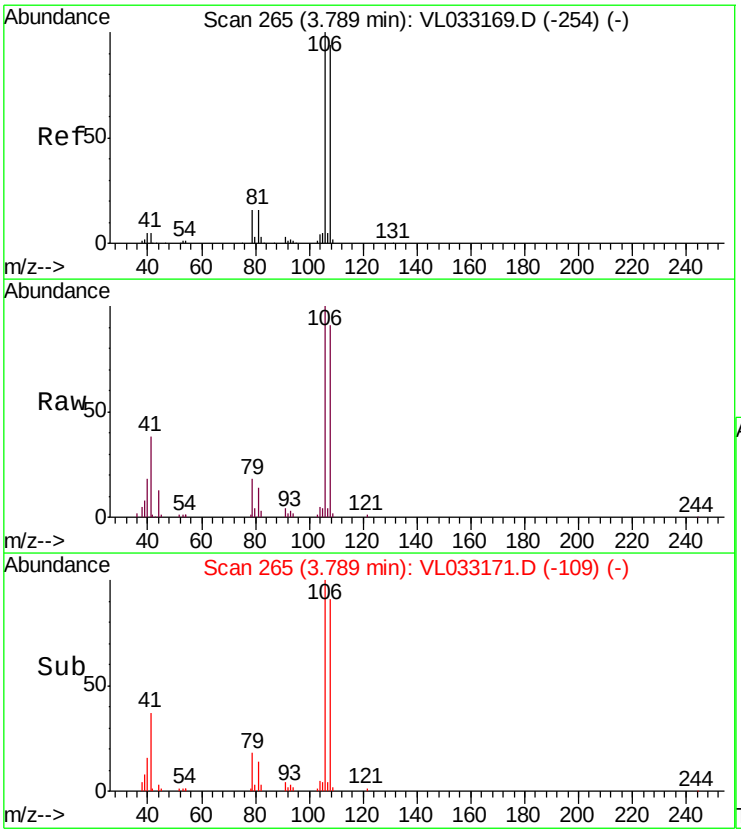
#13
Ethanol
Concen: 1.502 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 27556

Ion	Ratio	Lower	Upper
45	100		
46	38.4	15.0	60.2

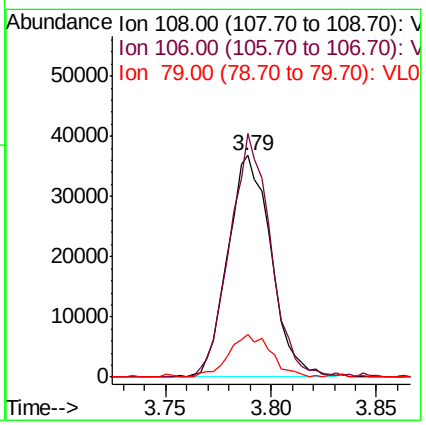


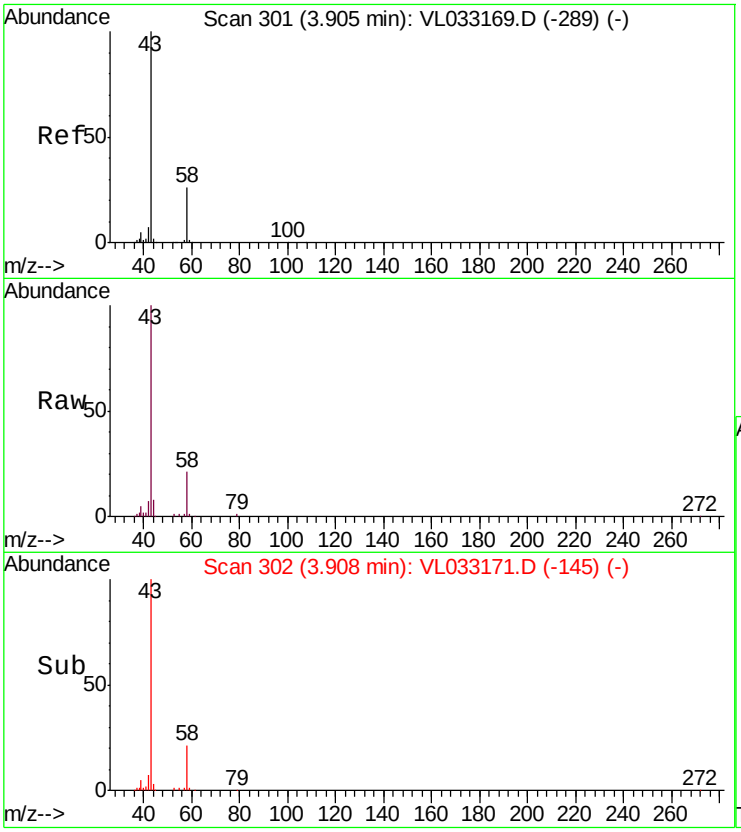


#14
Bromoethene
Concen: 1.202 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:108 Resp: 52608

Ion	Ratio	Lower	Upper
108	100		
106	103.9	86.0	129.0
79	19.8	14.5	21.7



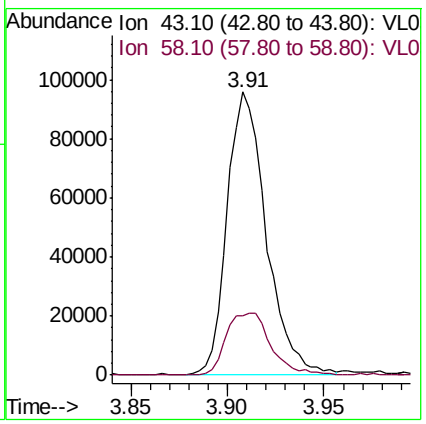


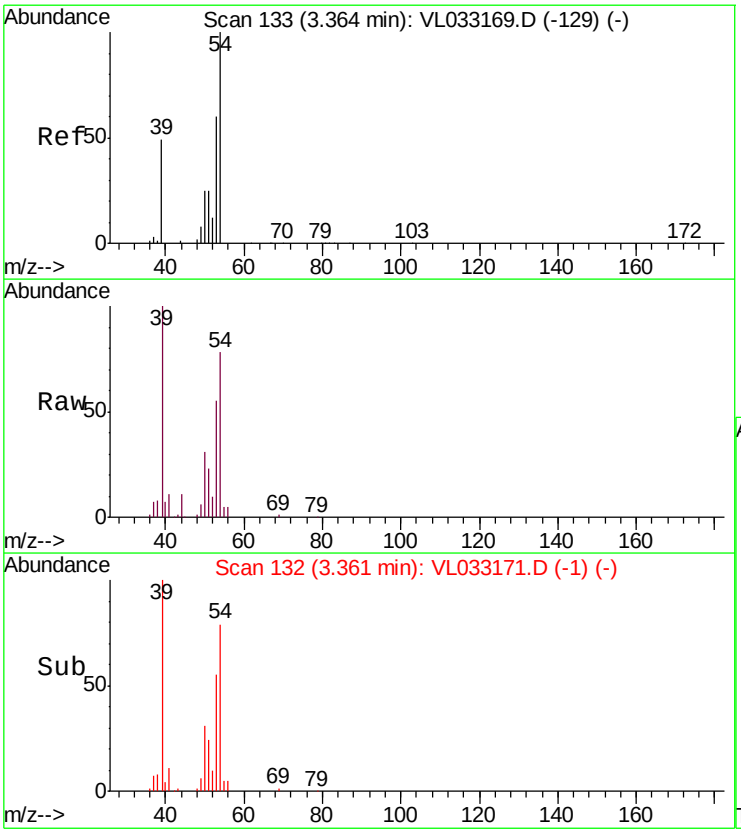
#15
Acetone
Concen: 1.265 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 134807

Ion	Ratio	Lower	Upper
43	100		
58	25.4	21.1	31.7

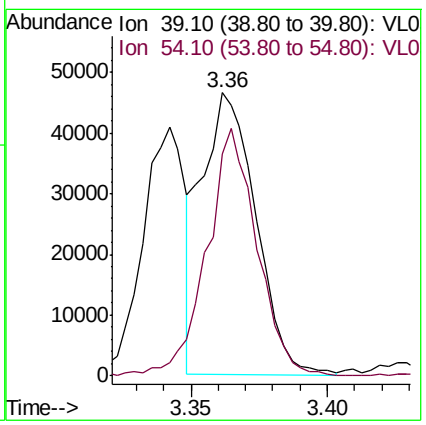


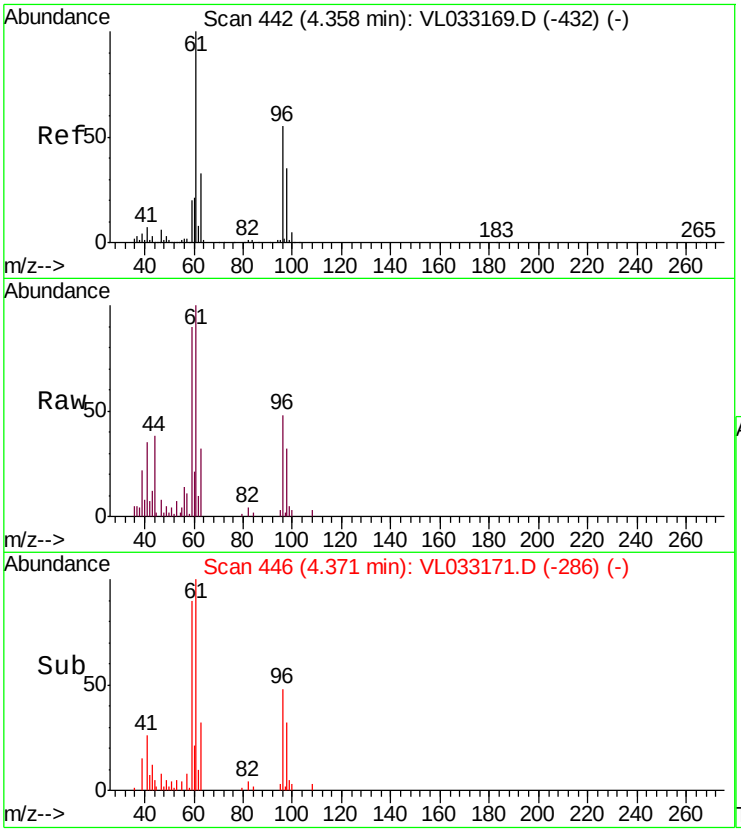


#16
1,3-Butadiene
Concen: 1.263 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 39 Resp: 63896

Ion	Ratio	Lower	Upper
39	100		
54	81.7	71.3	106.9



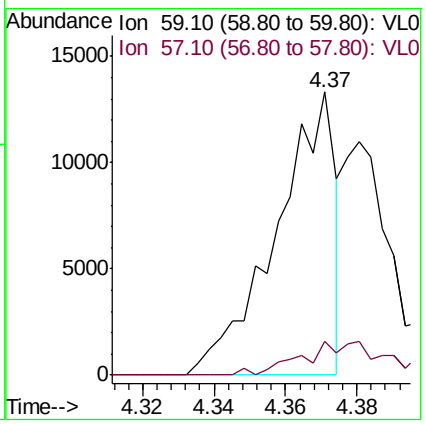


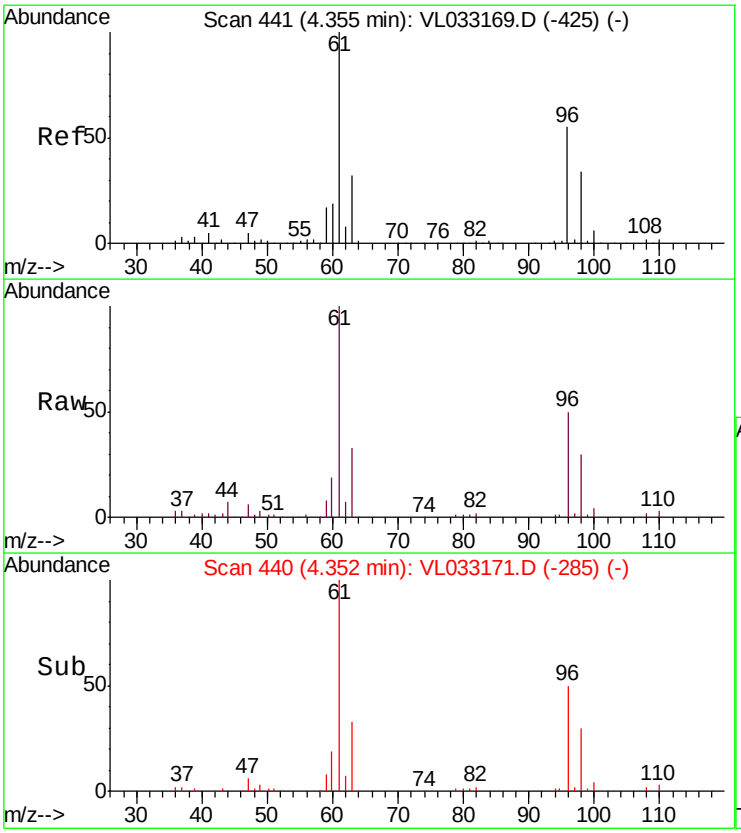
#17
tert-Butyl alcohol
Concen: 0.750 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 15240

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#

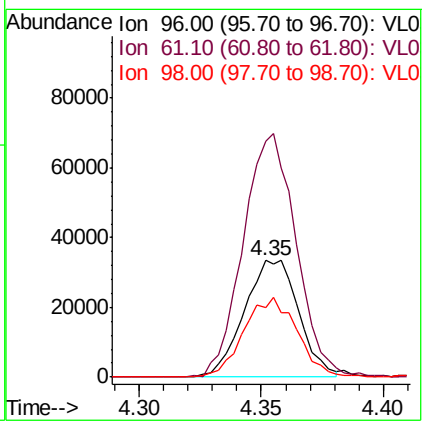


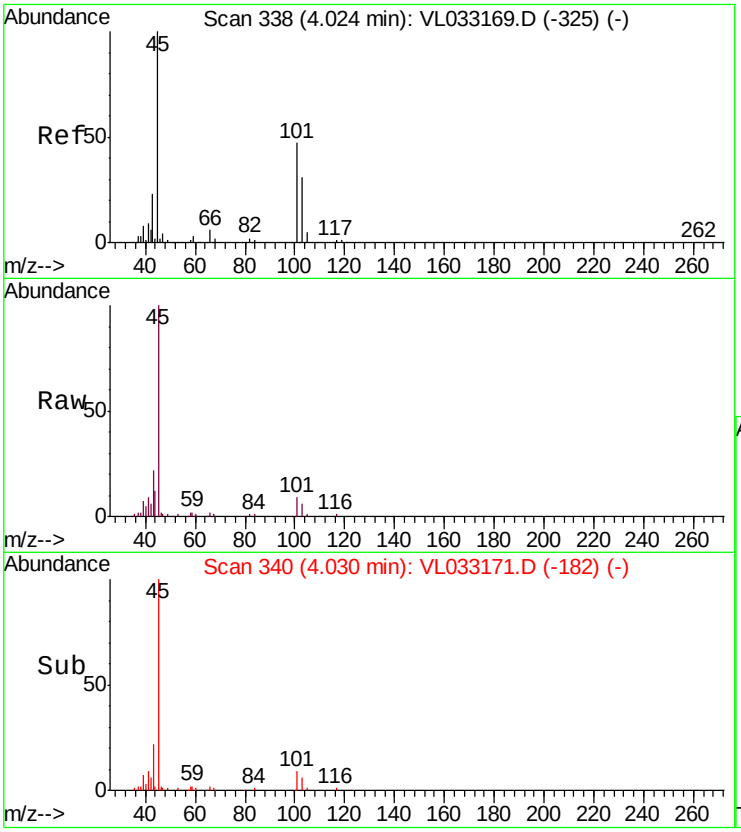


#18
1,1-Dichloroethene
Concen: 1.146 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 96 Resp: 52036

Ion	Ratio	Lower	Upper
96	100		
61	201.0	145.0	217.6
98	59.8	50.0	75.0



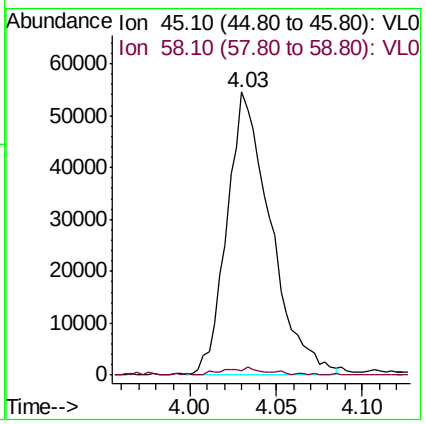


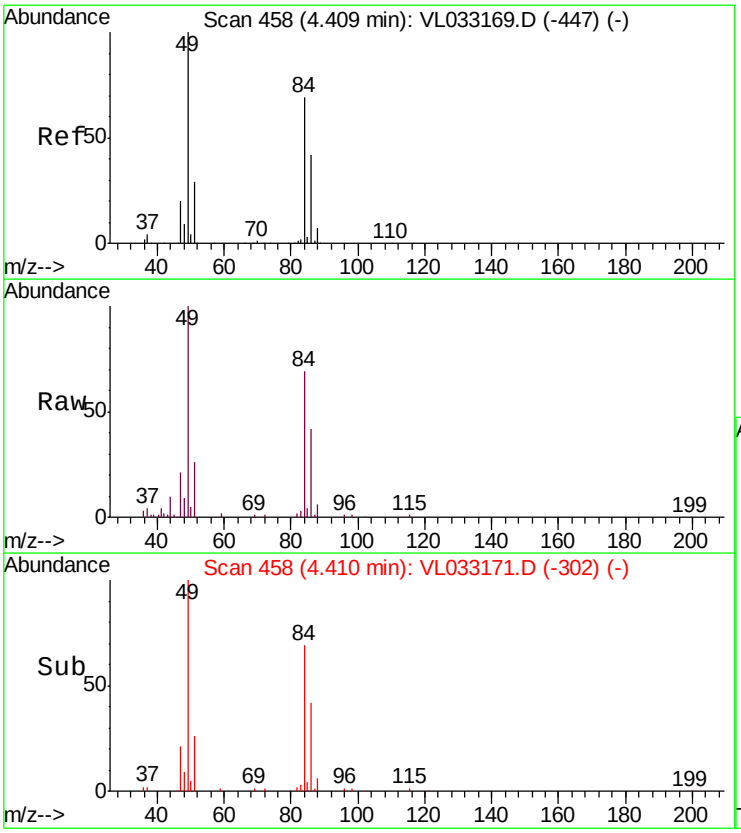
#19
Isopropyl Alcohol
Concen: 1.332 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 45 Resp: 96293

Ion	Ratio	Lower	Upper
45	100		
58	2.9	1.5	2.3#

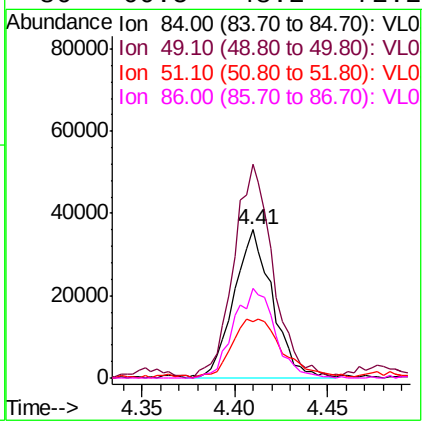


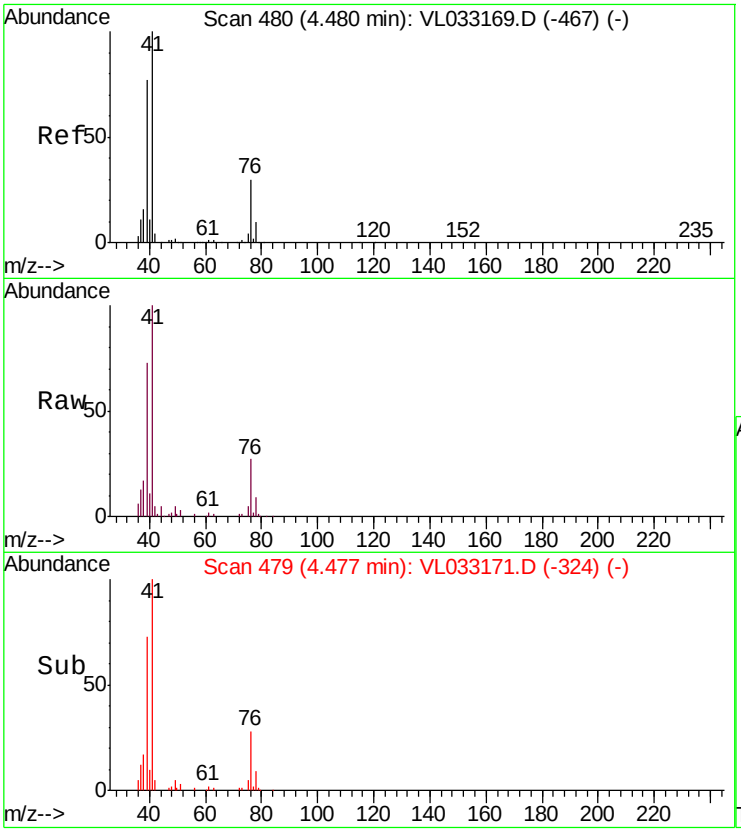


#20
Methylene Chloride
Concen: 1.236 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 84 Resp: 52392

Ion	Ratio	Lower	Upper
84	100		
49	142.9	115.8	173.8
51	36.7	33.0	49.6
86	60.5	48.2	72.2



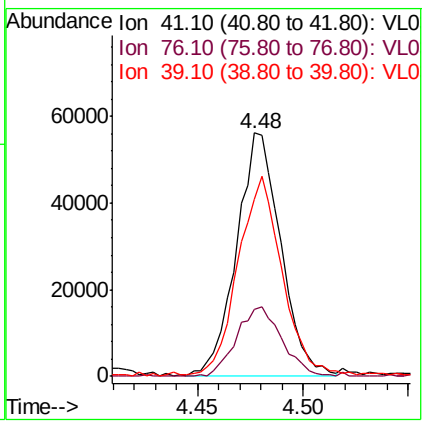


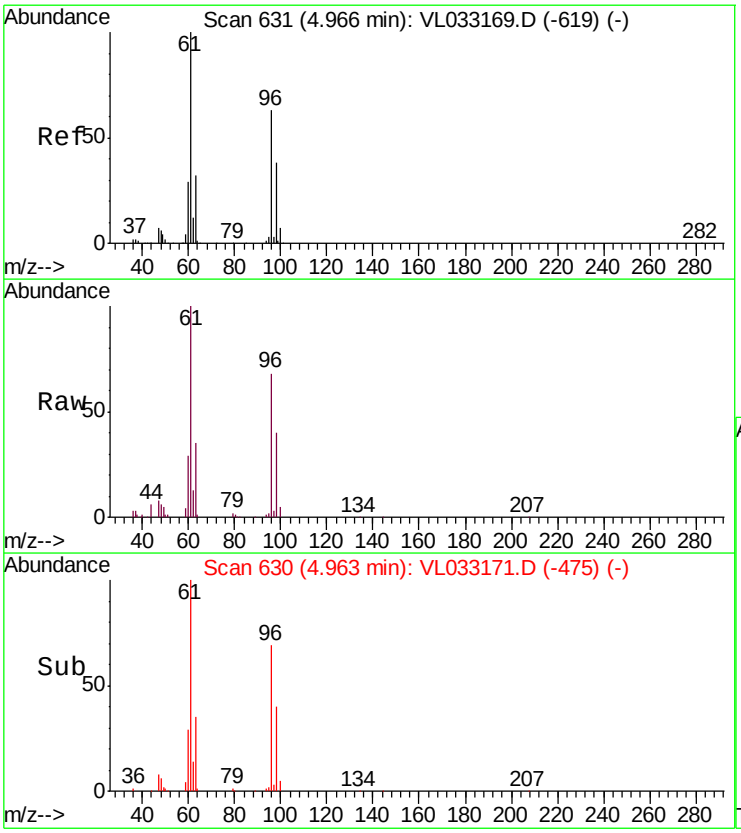
#21
Allyl Chloride
Concen: 1.151 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 80996

Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.5	36.7
39	83.7	64.1	96.1

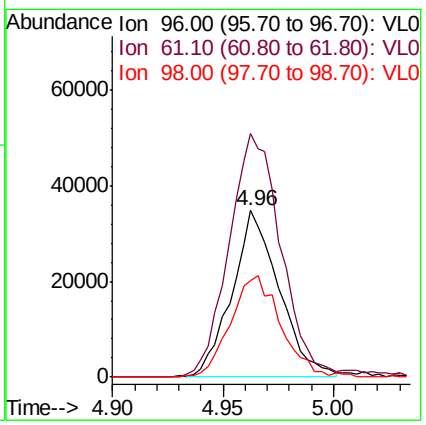


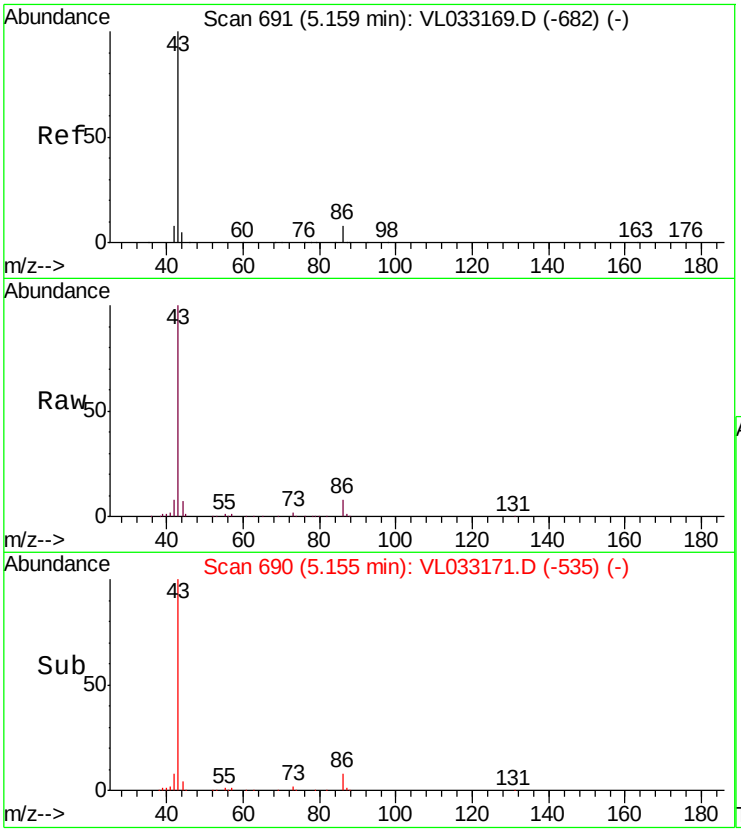


#22
trans-1,2-Dichloroethene
Concen: 1.168 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 96 Resp: 51525

Ion	Ratio	Lower	Upper
96	100		
61	144.7	126.4	189.6
98	56.9	48.4	72.6



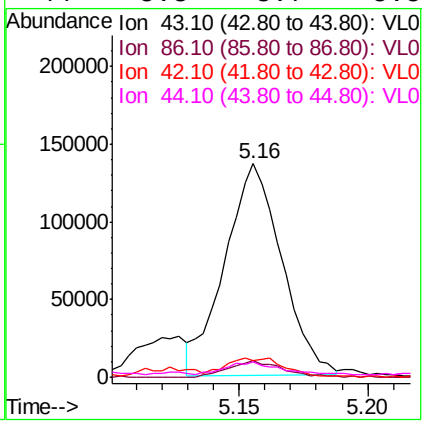


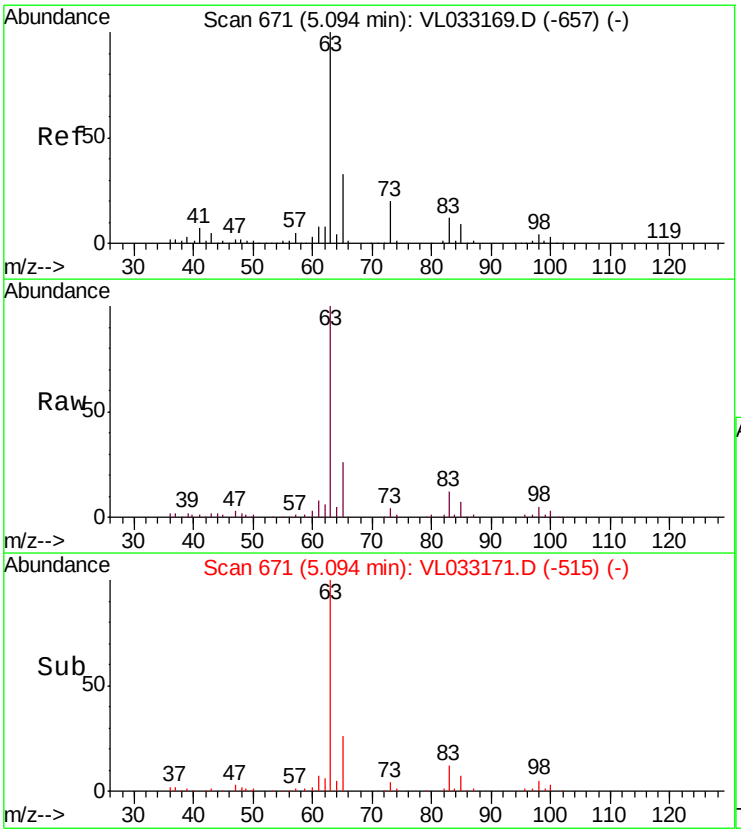
#23
Vinyl Acetate
Concen: 1.133 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 209326

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.8	8.8
42	7.5	7.4	11.0
44	5.3	3.7	5.5

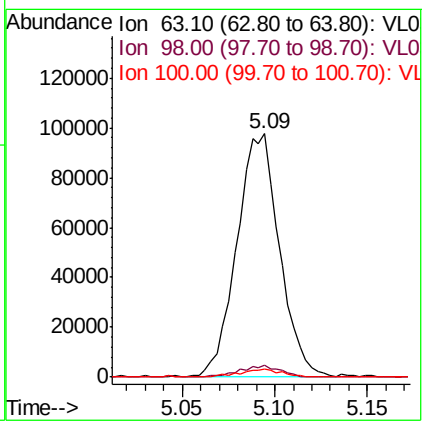


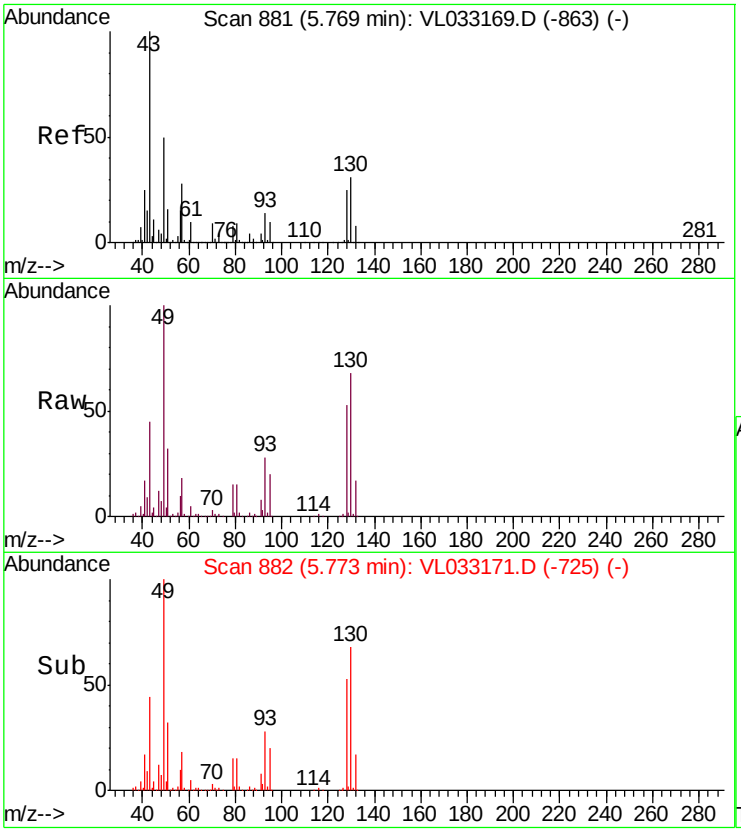


#24
1,1-Dichloroethane
Concen: 1.199 ppbv
RT: 5.09 min Scan# 671
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 63 Resp: 156697

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.1	6.5
100	3.2	1.4	4.2



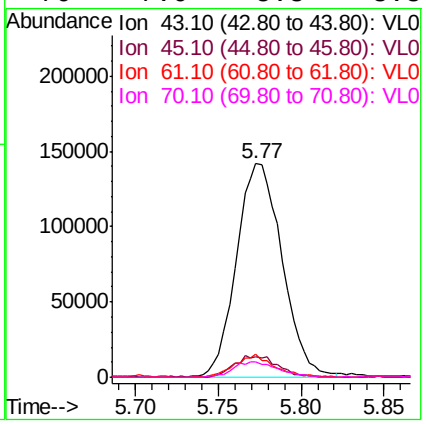


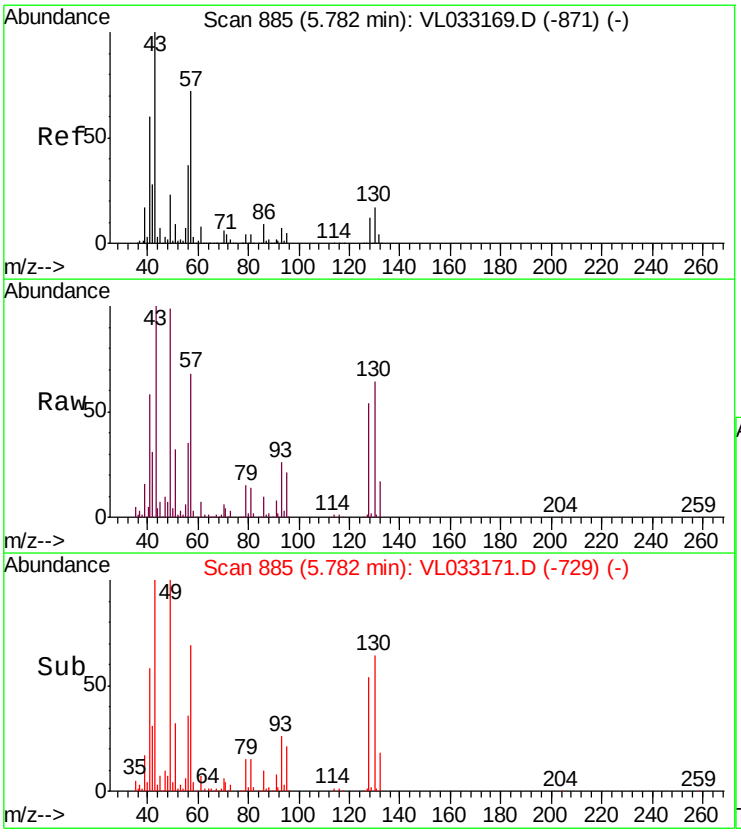
#25
Ethyl Acetate
Concen: 1.133 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 271496

Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.3	7.5	11.3
70	7.0	5.8	8.8

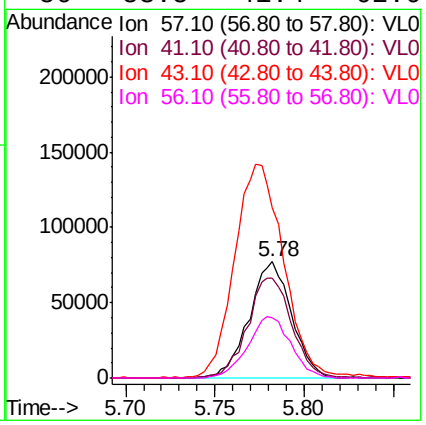


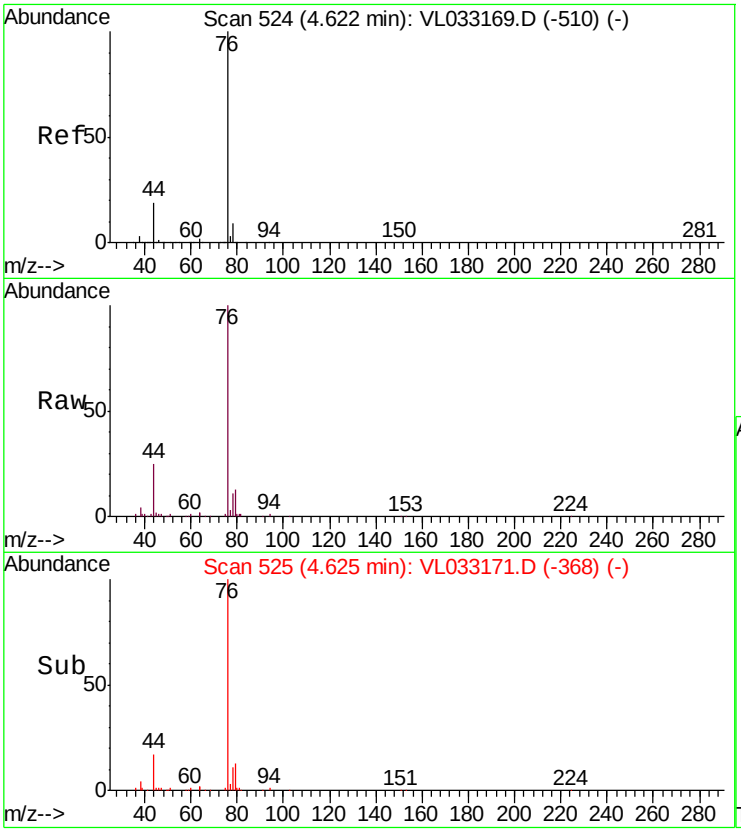


#26
Hexane
Concen: 1.145 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 57 Resp: 128815

Ion	Ratio	Lower	Upper
57	100		
41	89.8	69.4	104.2
43	212.6	176.7	265.1
56	53.5	41.4	62.0



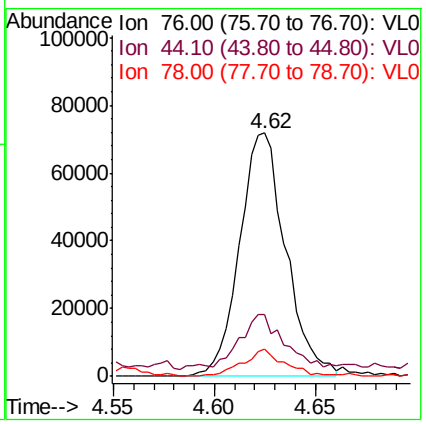


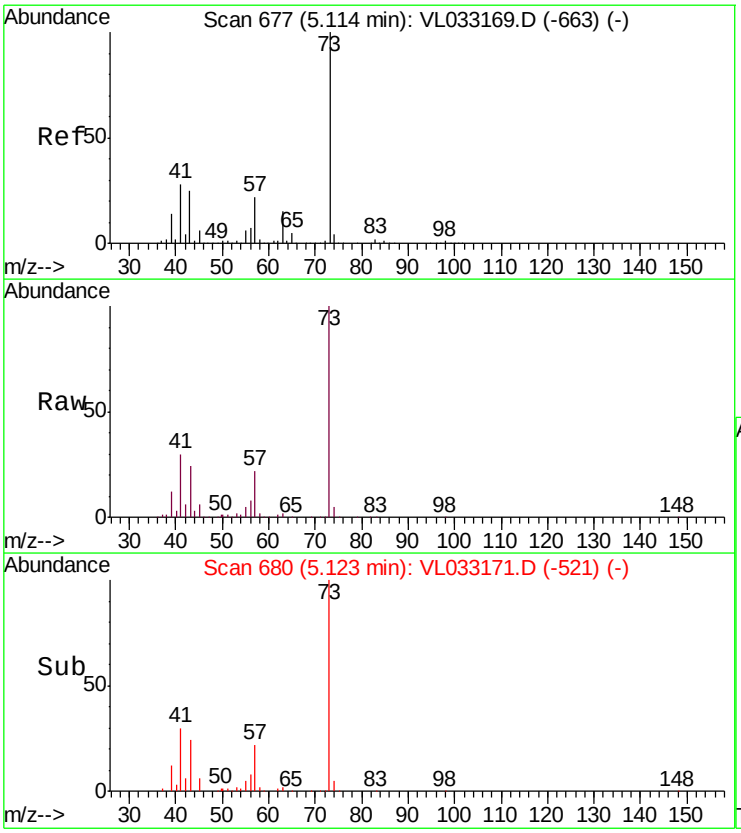
#27
Carbon Disulfide
Concen: 1.116 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 114984

Ion	Ratio	Lower	Upper
76	100		
44	24.1	15.0	22.4#
78	10.4	7.4	11.0

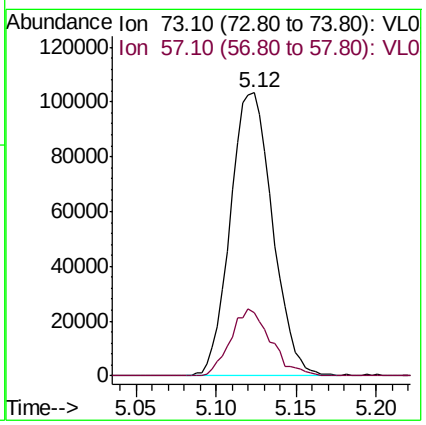


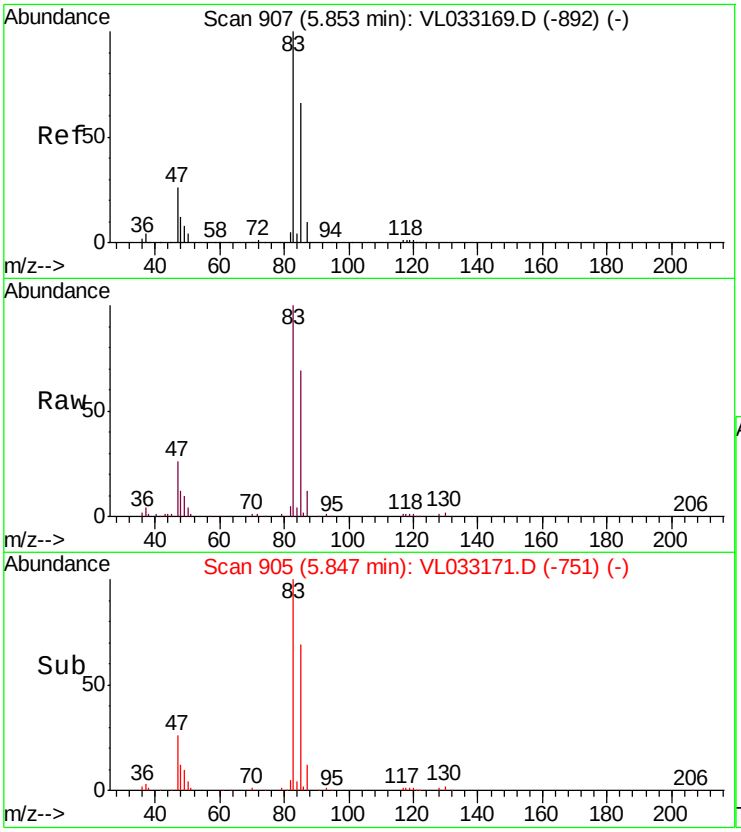


#28
Methyl tert-Butyl Ether
Concen: 1.209 ppbv
RT: 5.12 min Scan# 680
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 73 Resp: 185864

Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.9	26.9



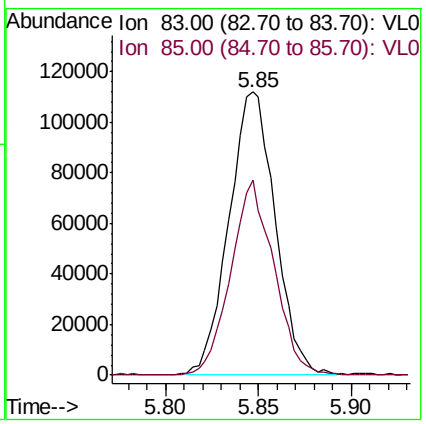


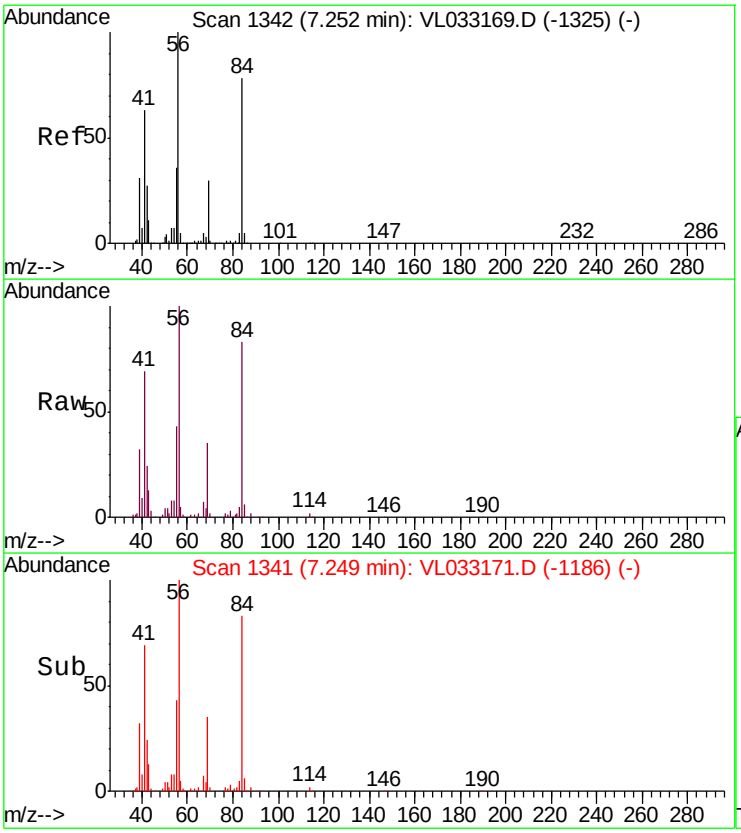
#29
Chloroform
Concen: 1.111 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 191539

Ion	Ratio	Lower	Upper
83	100		
85	68.5	52.6	78.8

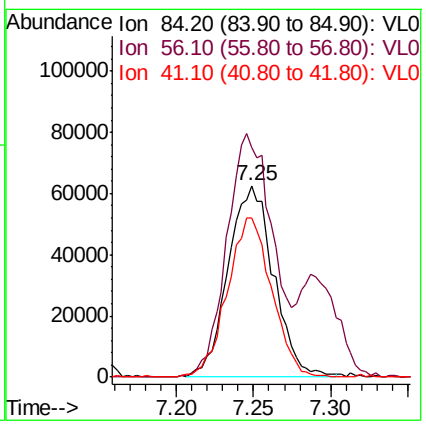


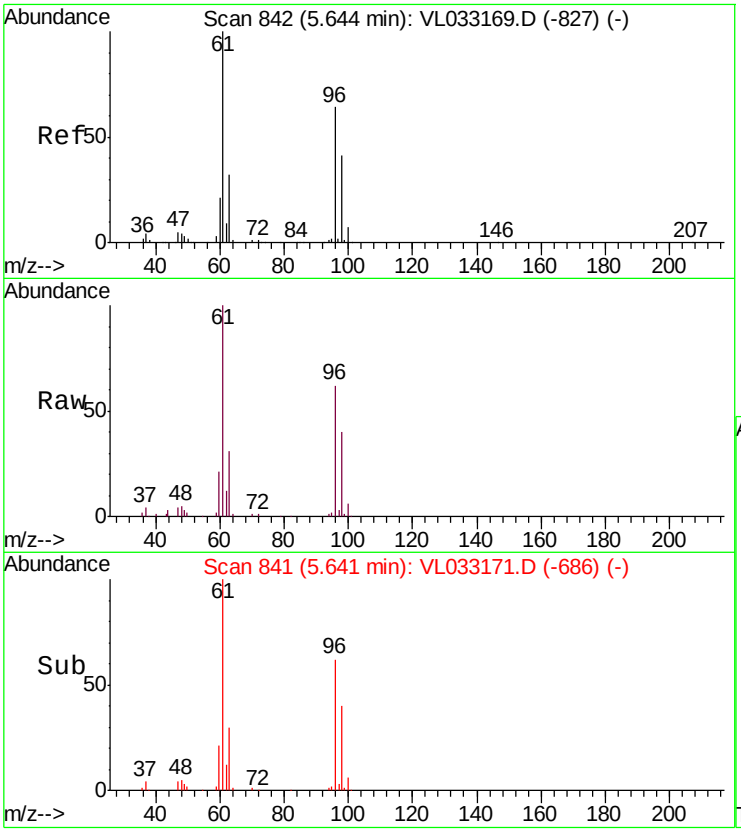


#30
Cyclohexane
Concen: 1.225 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 84 Resp: 127881

Ion	Ratio	Lower	Upper
84	100		
56	131.8	109.5	164.3
41	81.2	66.6	100.0



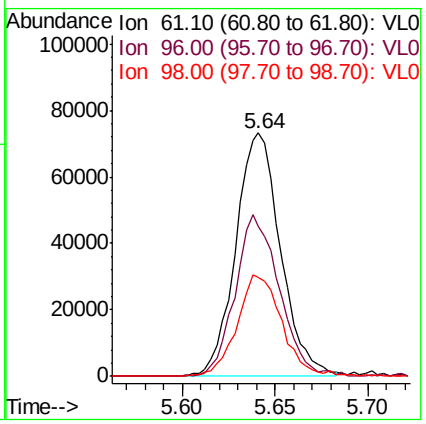


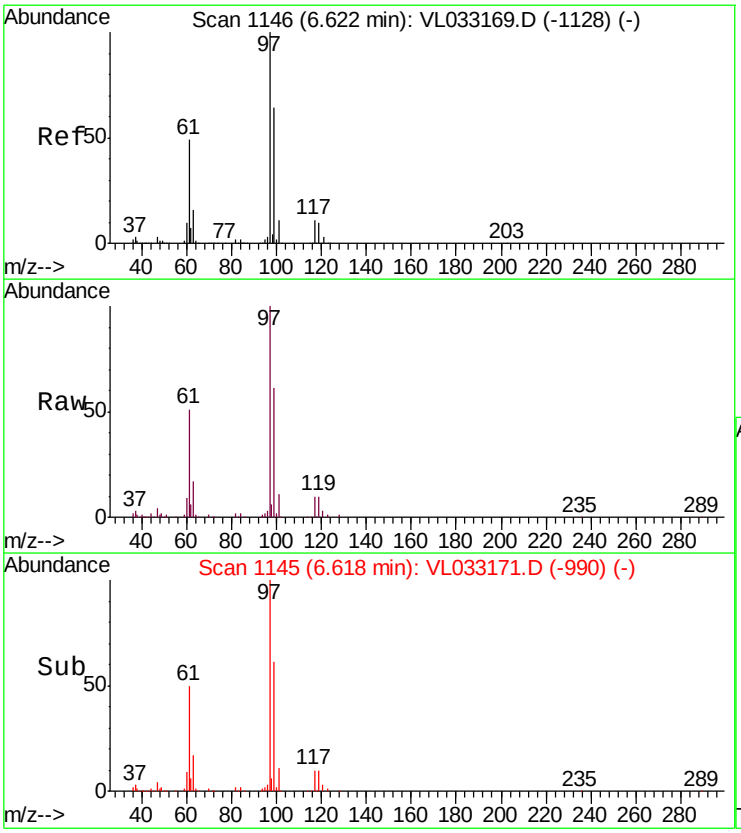
#31
cis-1,2-Dichloroethene
Concen: 1.094 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 123189

Ion	Ratio	Lower	Upper
61	100		
96	61.0	51.2	76.8
98	40.5	32.8	49.2

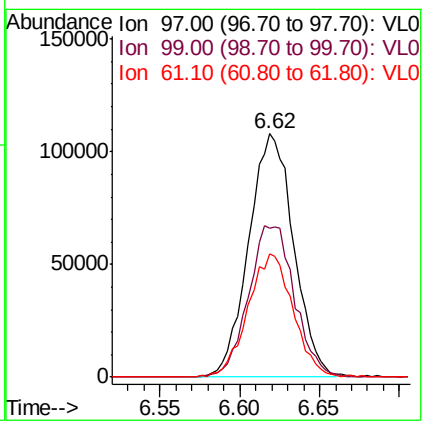


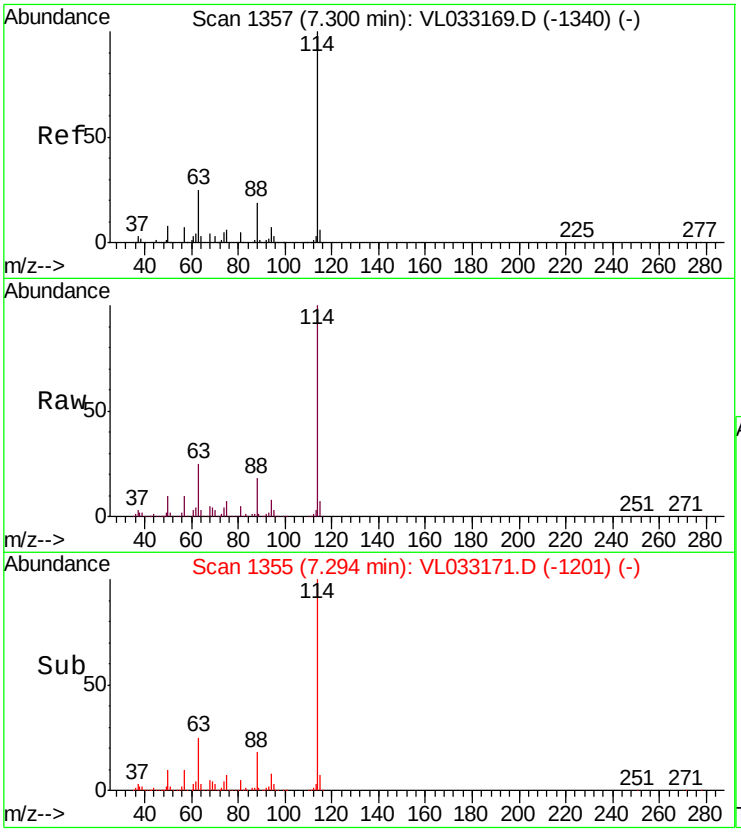


#32
1,1,1-Trichloroethane
Concen: 1.098 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 97 Resp: 208390

Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.2
61	50.7	38.8	58.2



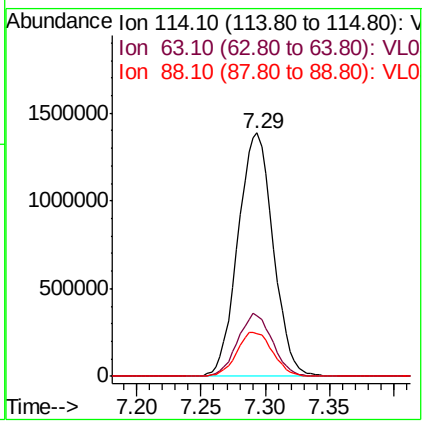


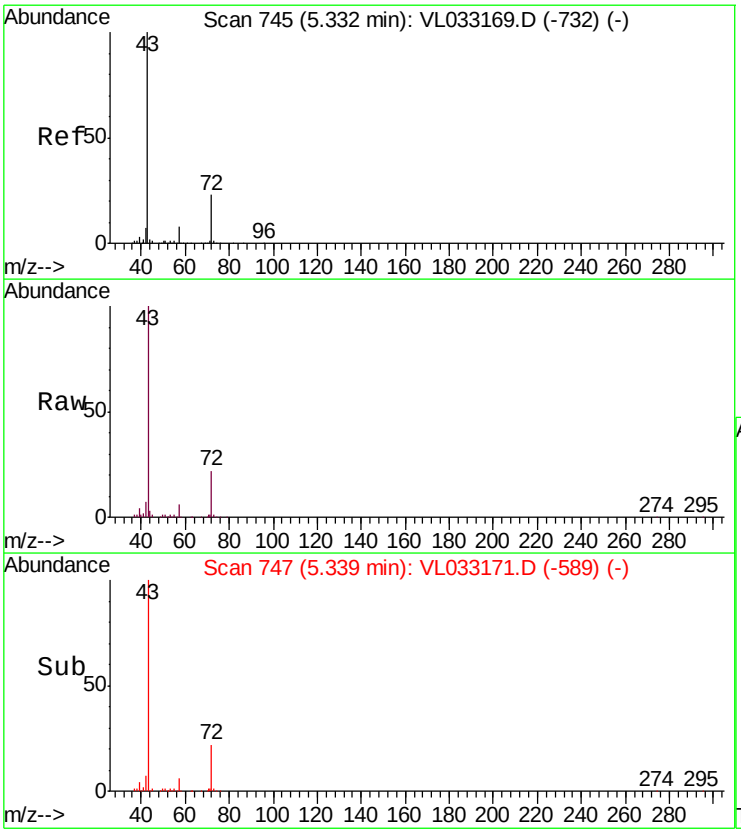
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2645657

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.8	31.2
88	18.3	14.6	22.0

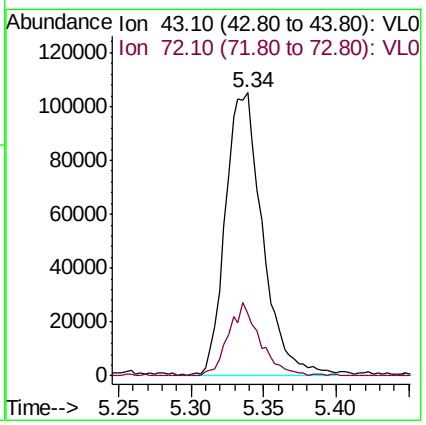


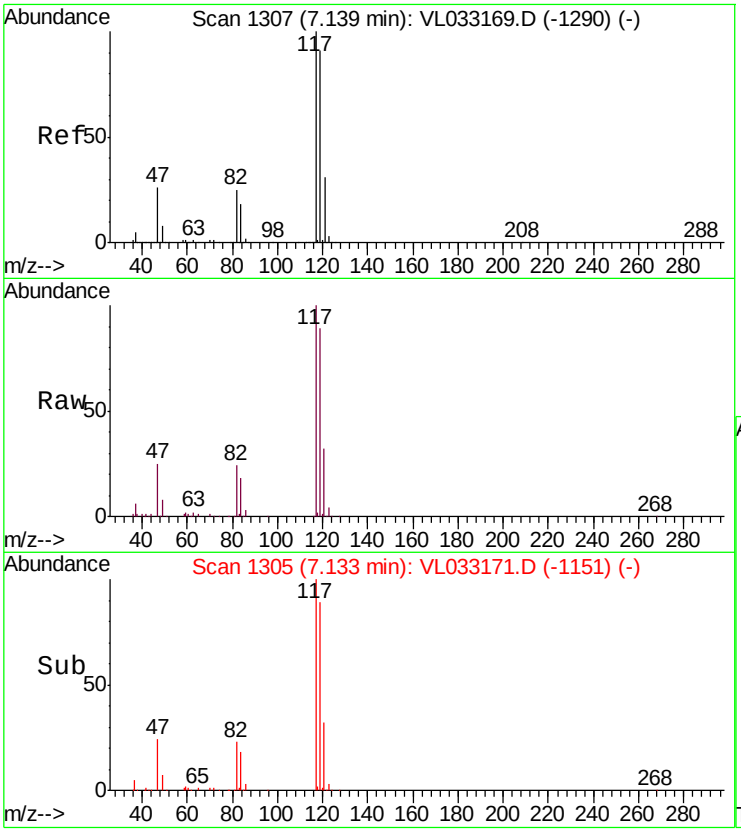


#34
2-Butanone
Concen: 1.111 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 43 Resp: 186406

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.8	26.6



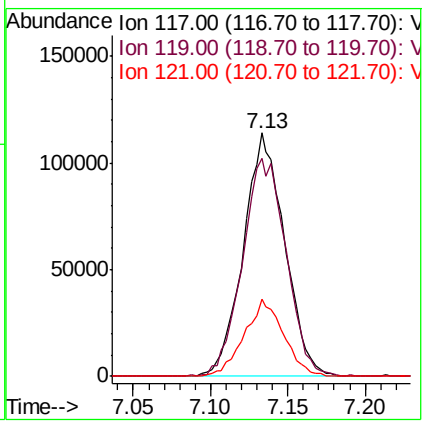


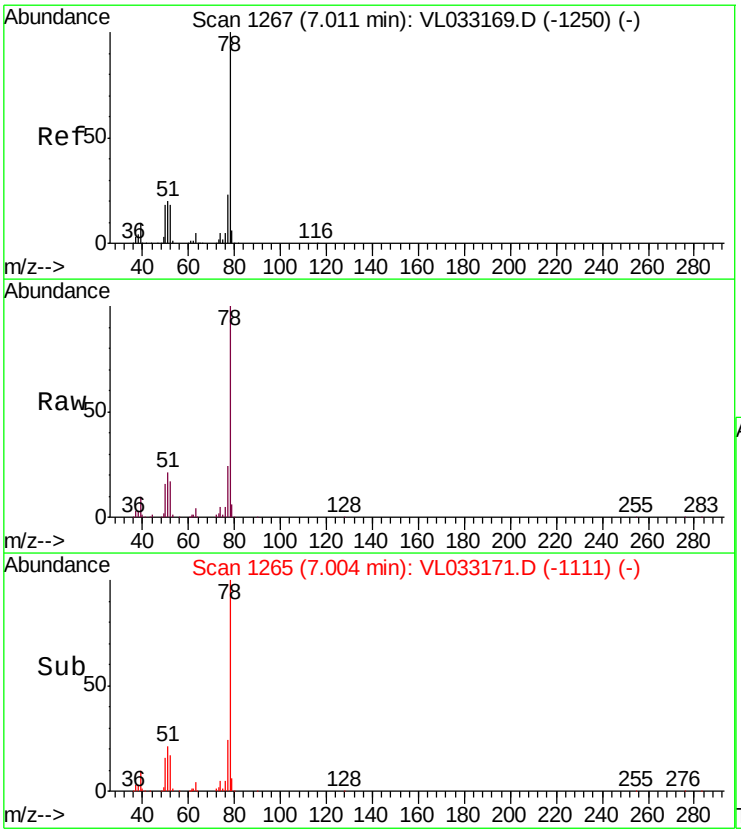
#35
Carbon Tetrachloride
Concen: 1.046 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 211399

Ion	Ratio	Lower	Upper
117	100		
119	89.2	73.0	109.6
121	31.6	25.1	37.7

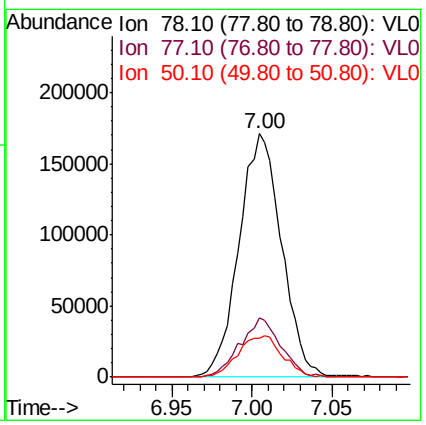


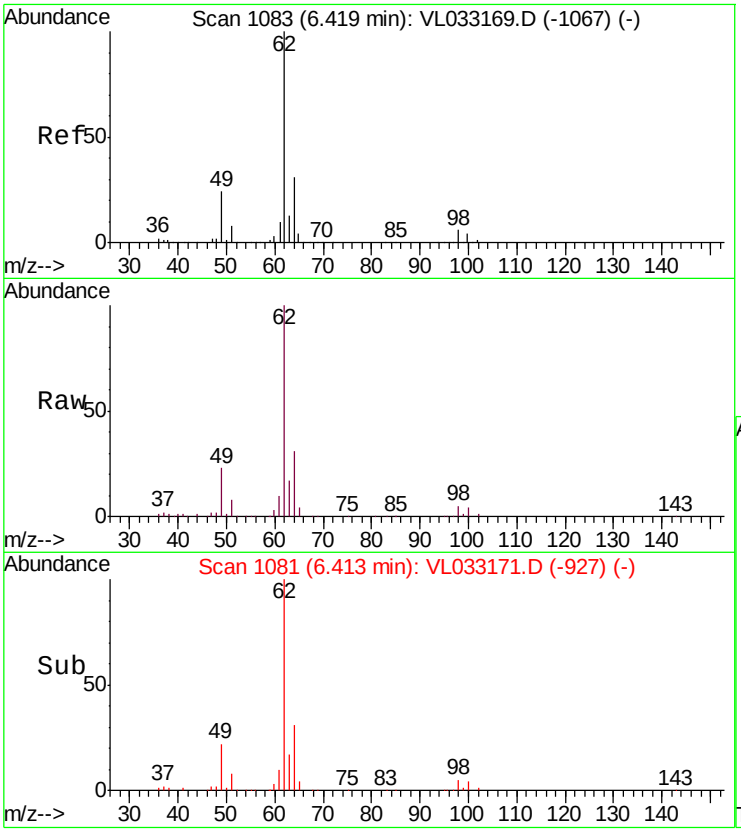


#36
Benzene
Concen: 1.157 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 78 Resp: 310274

Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.0	27.0
50	16.1	14.2	21.2



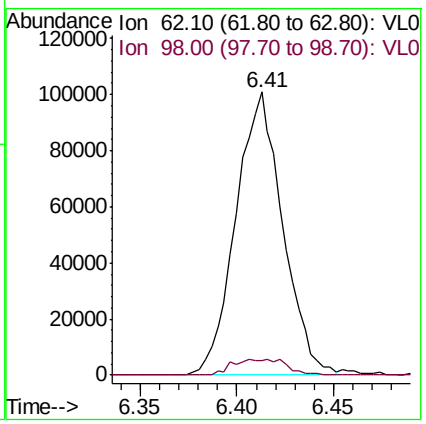


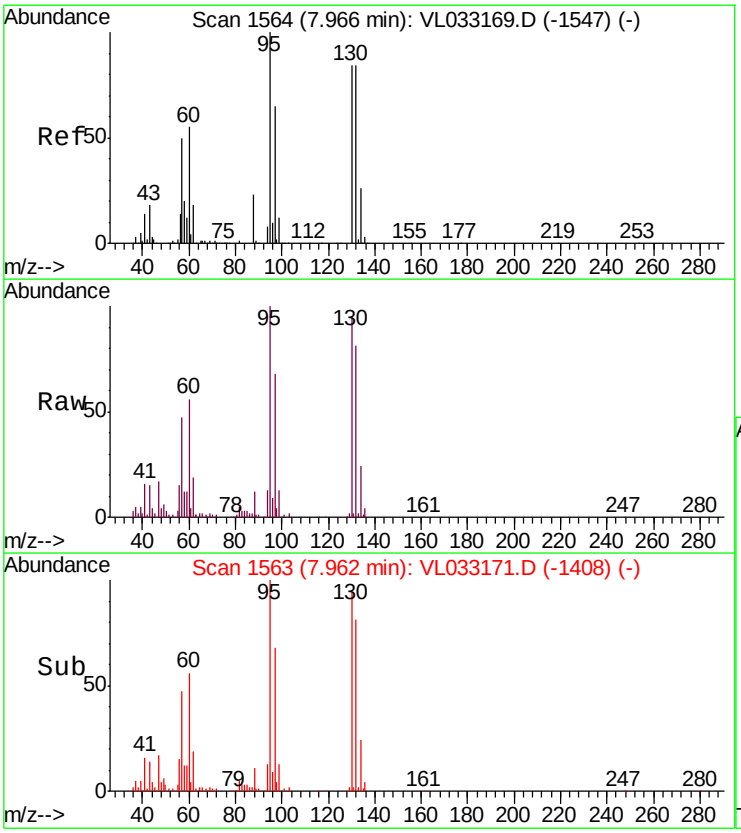
#37
1,2-Dichloroethane
Concen: 1.147 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 170415

Ion	Ratio	Lower	Upper
62	100		
98	6.4	4.7	7.1

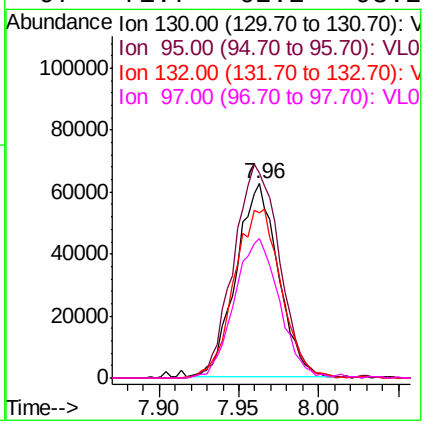


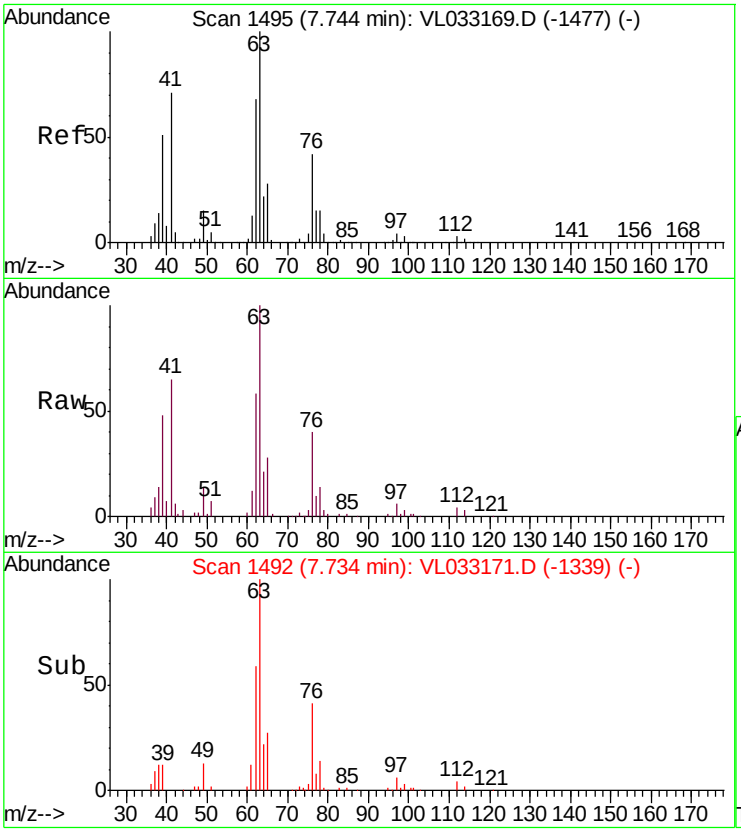


#38
Trichloroethene
Concen: 0.984 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:130 Resp: 112945

Ion	Ratio	Lower	Upper
130	100		
95	105.8	95.5	143.3
132	85.4	80.0	120.0
97	71.7	62.2	93.2



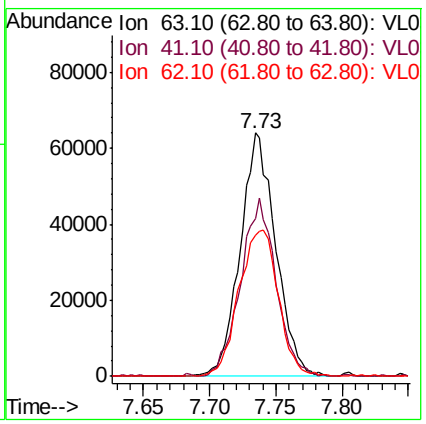


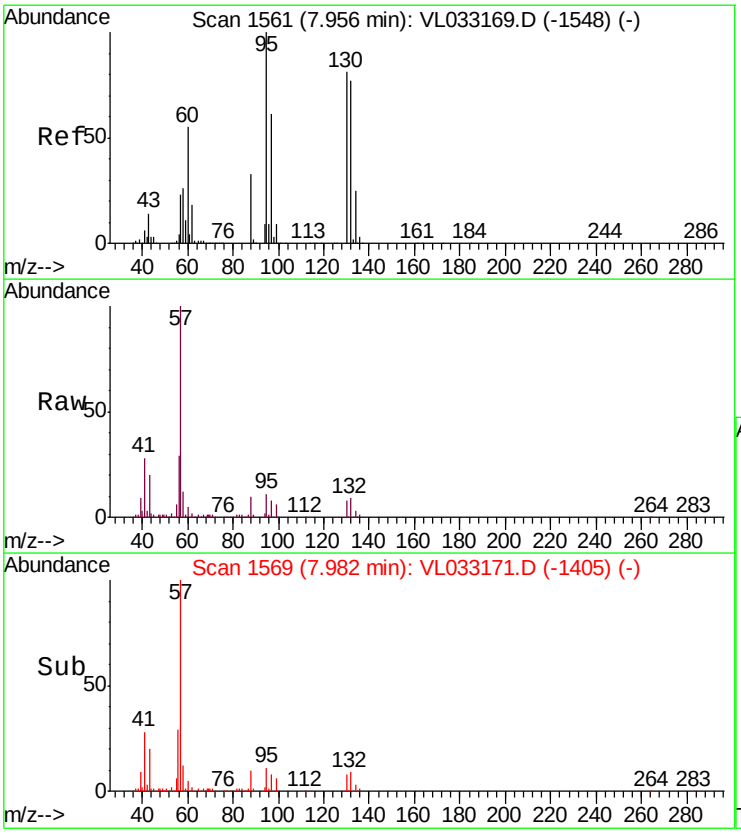
#39
1,2-Dichloropropane
Concen: 1.124 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 119030

Ion	Ratio	Lower	Upper
63	100		
41	64.3	56.4	84.6
62	58.1	54.2	81.4

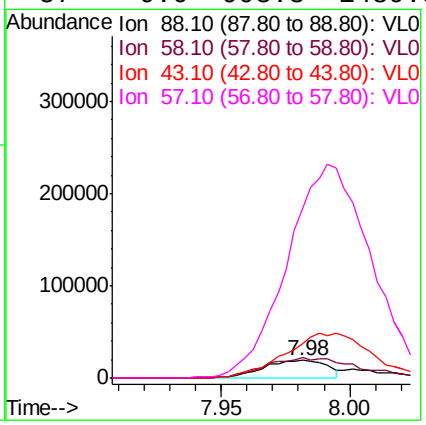


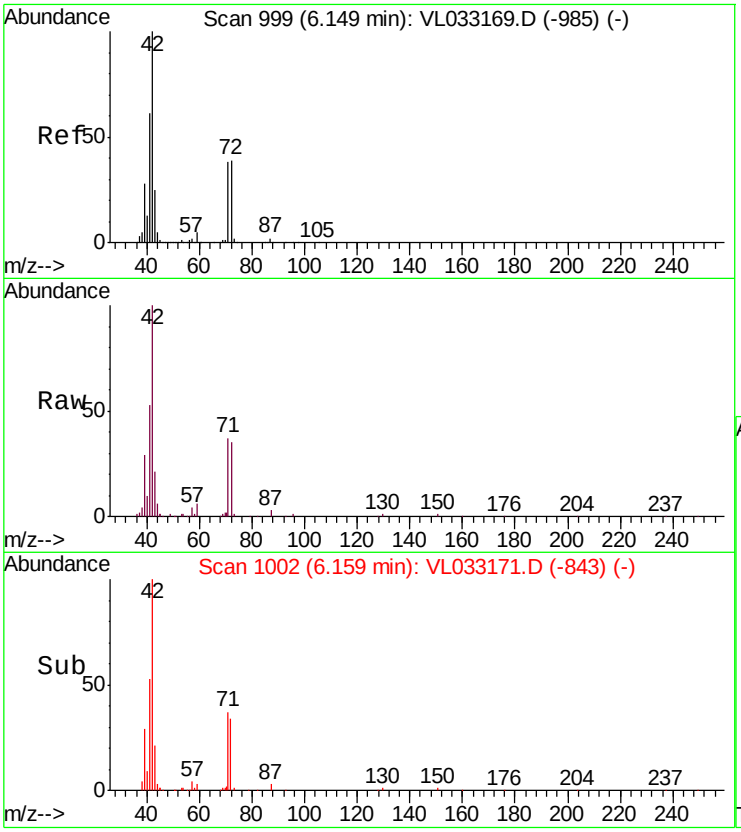


#40
1,4-Dioxane
Concen: 0.860 ppbv
RT: 7.98 min Scan# 1569
Delta R.T. 0.03 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 88 Resp: 33115

Ion	Ratio	Lower	Upper
88	100		
58	179.5	106.4	159.6#
43	0.0	219.6	329.4#
57	0.0	993.3	1489.9#



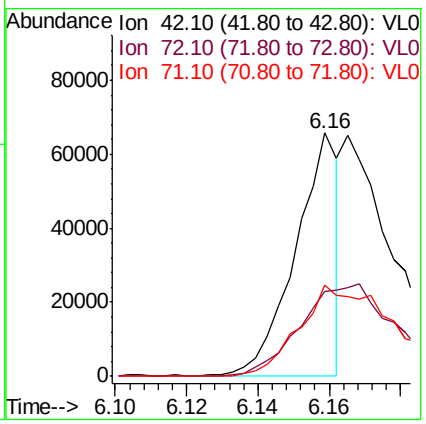


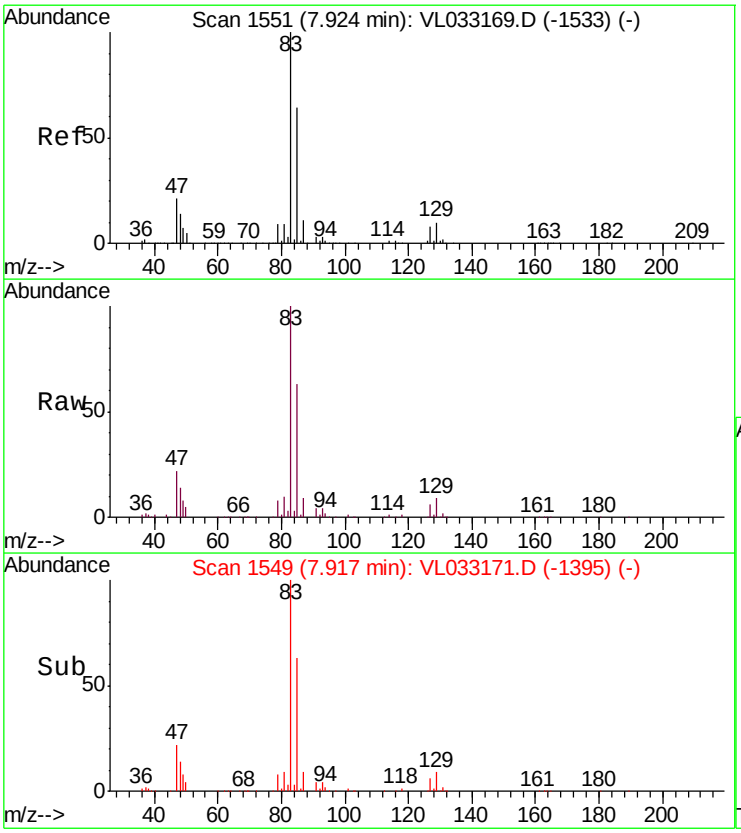
#41
Tetrahydrofuran
Concen: 0.526 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 42 Resp: 54591

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.4	47.2#
71	86.5	30.2	45.2#

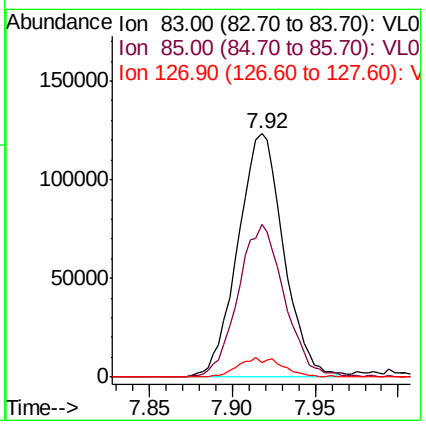


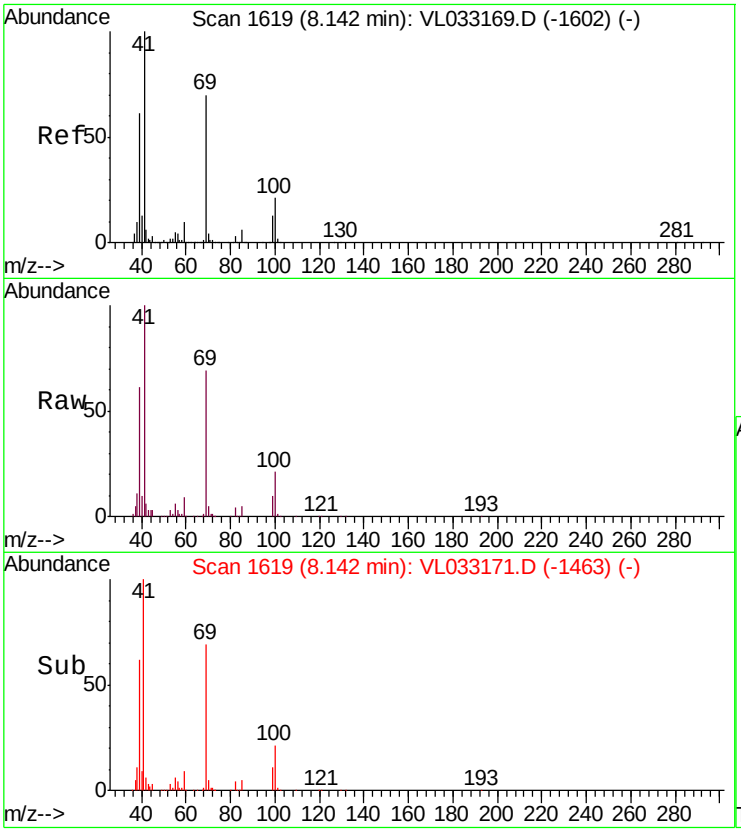


#42
Bromodichloromethane
Concen: 1.101 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 83 Resp: 237085

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	6.0	6.4	9.6#



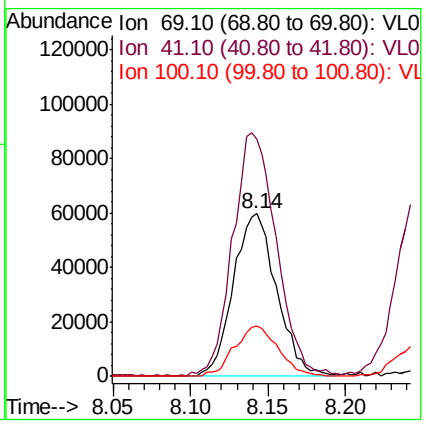


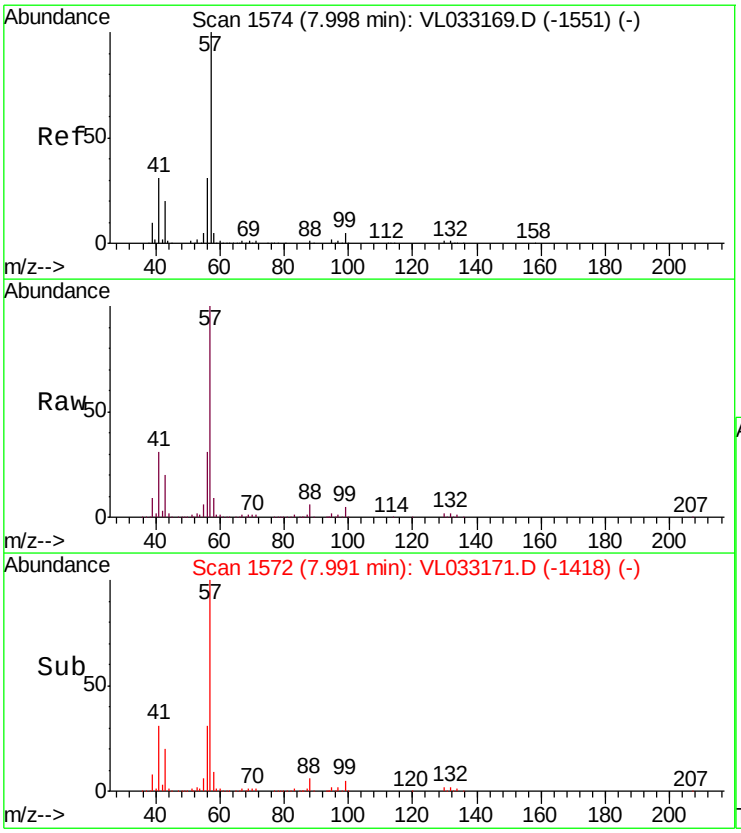
#43
Methyl Methacrylate
Concen: 1.084 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 69 Resp: 116694

Ion	Ratio	Lower	Upper
69	100		
41	148.9	117.1	175.7
100	31.5	25.0	37.6

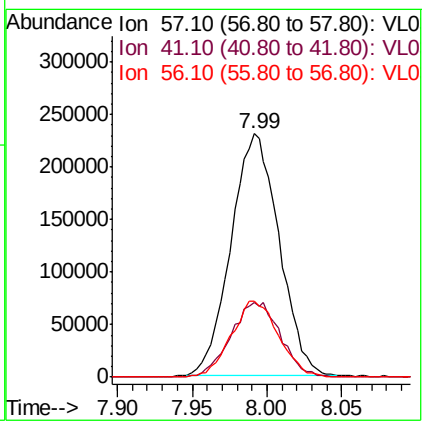


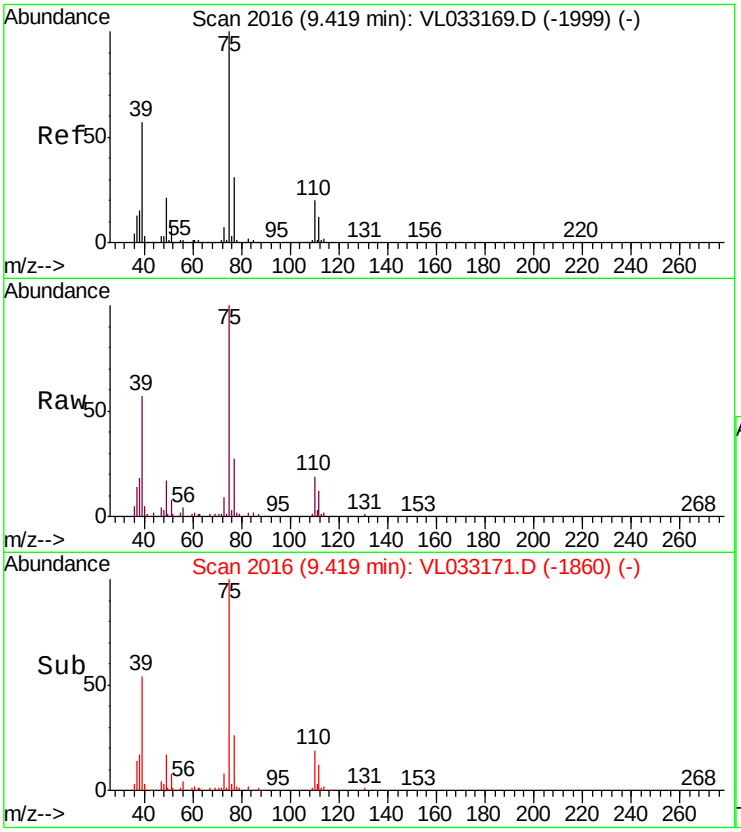


#44
2,2,4-Trimethylpentane
Concen: 1.135 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 57 Resp: 515933

Ion	Ratio	Lower	Upper
57	100		
41	31.9	25.2	37.8
56	31.0	24.5	36.7



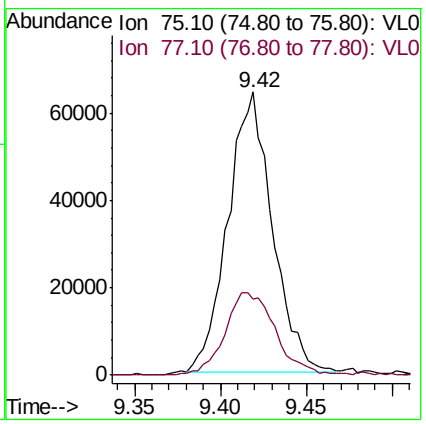


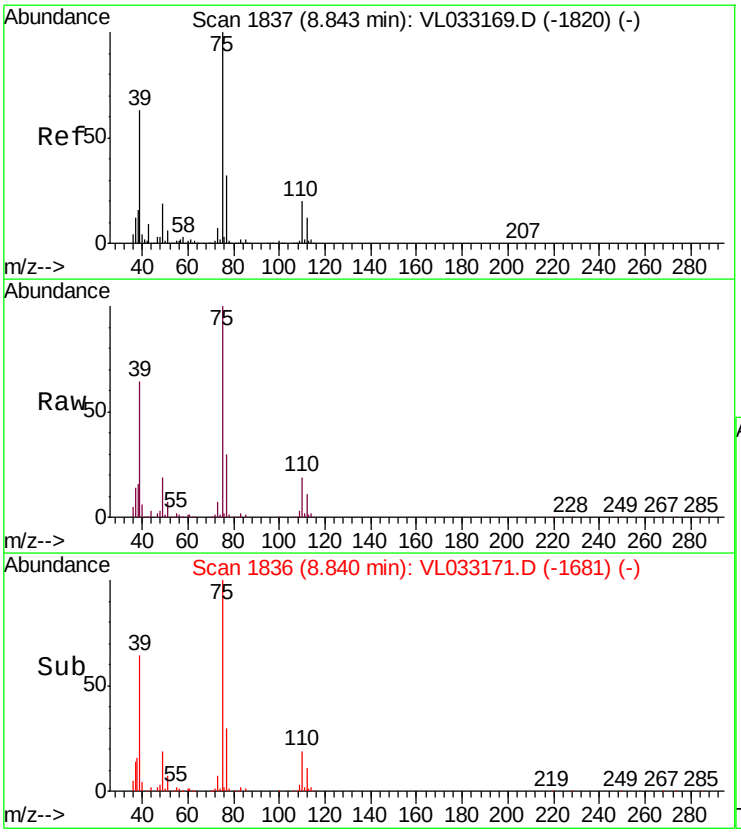
#45
t-1,3-Dichloropropene
Concen: 0.959 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 114692

Ion	Ratio	Lower	Upper
75	100		
77	27.0	25.0	37.4

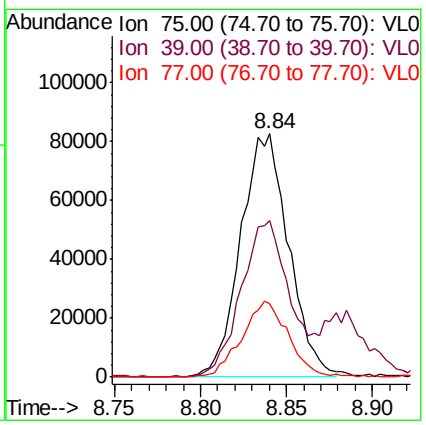


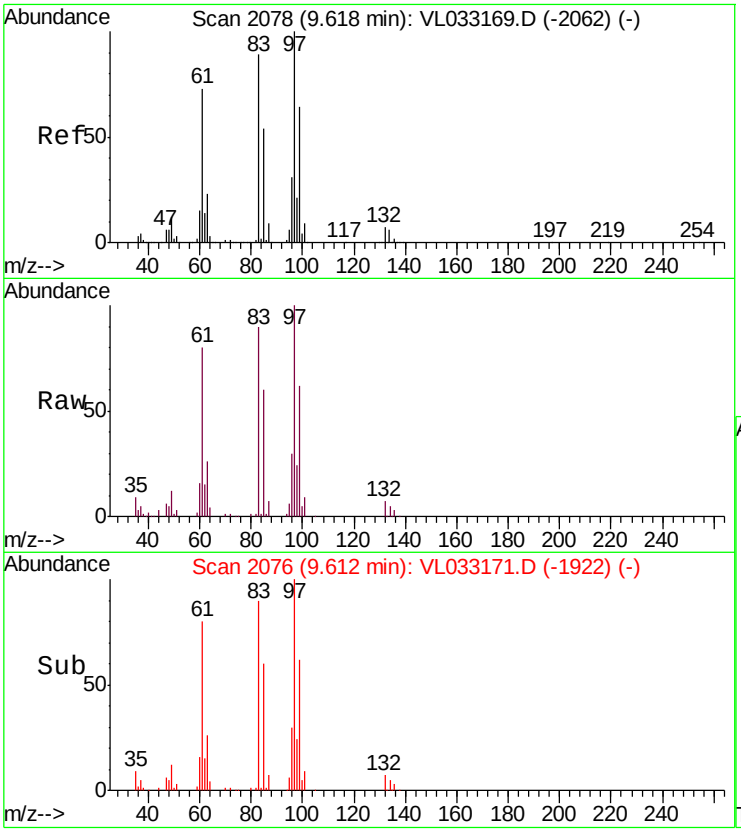


#46
cis-1,3-Dichloropropene
Concen: 1.051 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 75 Resp: 160147

Ion	Ratio	Lower	Upper
75	100		
39	64.1	50.1	75.1
77	30.2	25.4	38.2



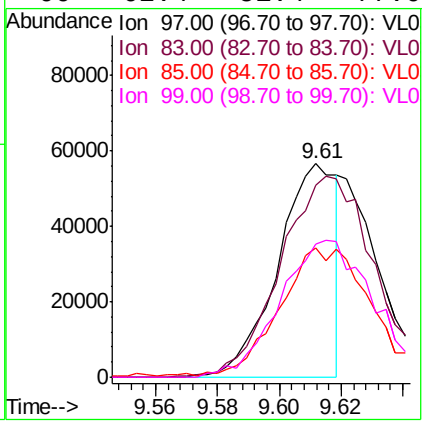


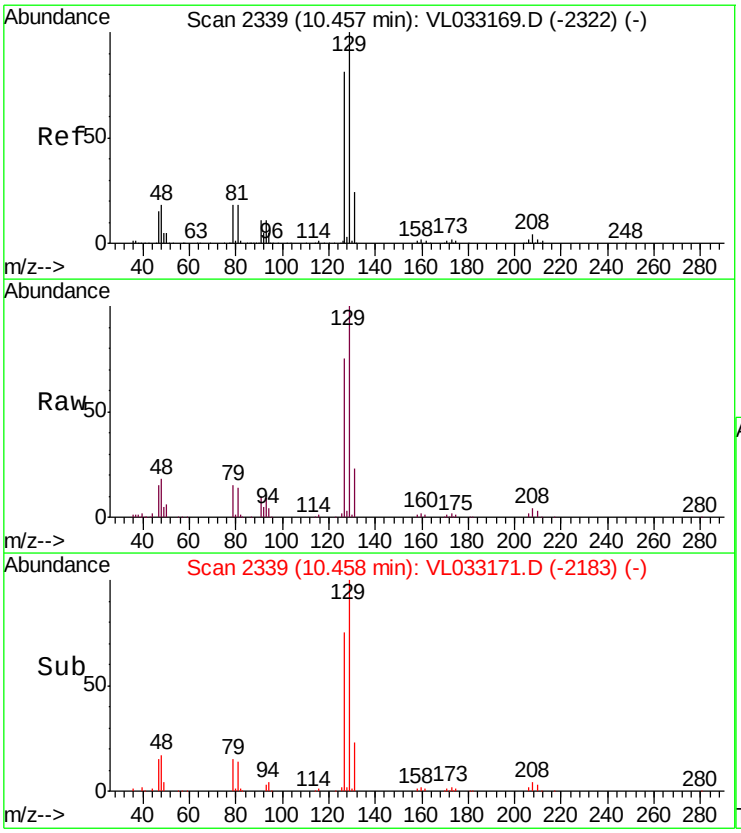
#47
1,1,2-Trichloroethane
Concen: 0.678 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 74484

Ion	Ratio	Lower	Upper
97	100		
83	90.3	71.4	107.2
85	58.8	43.5	65.3
99	62.4	51.4	77.0

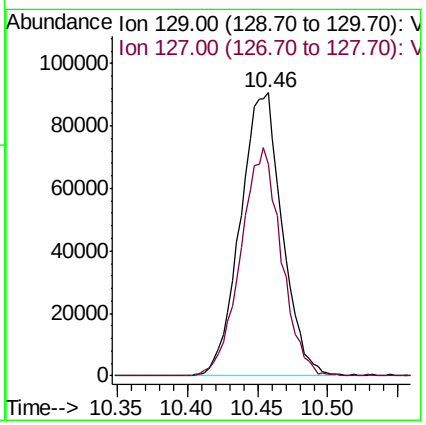


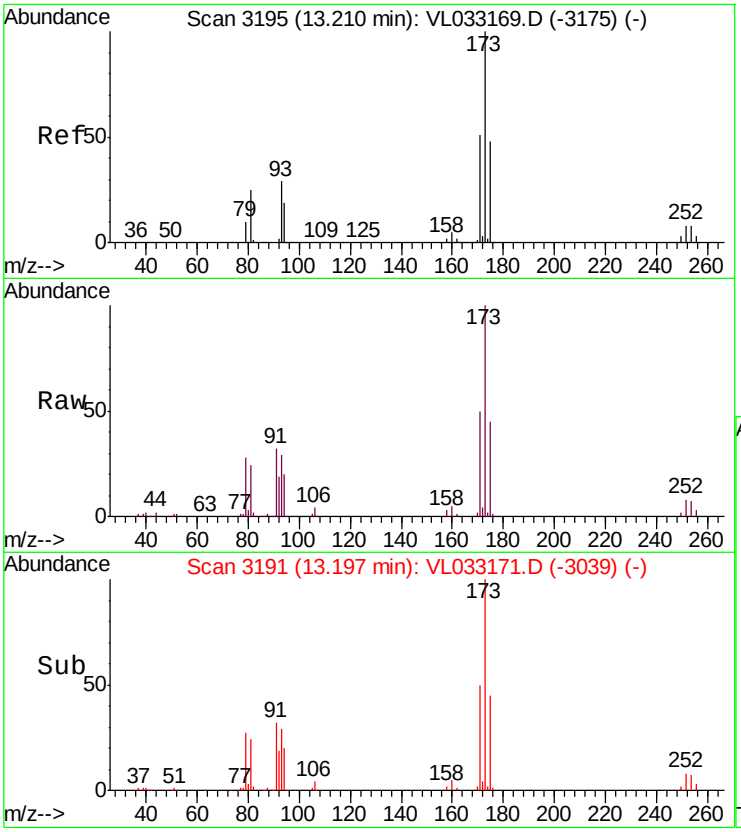


#48
Dibromochloromethane
Concen: 1.093 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:129 Resp: 189089

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.3



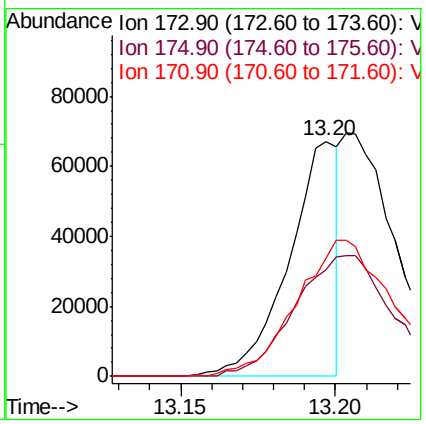


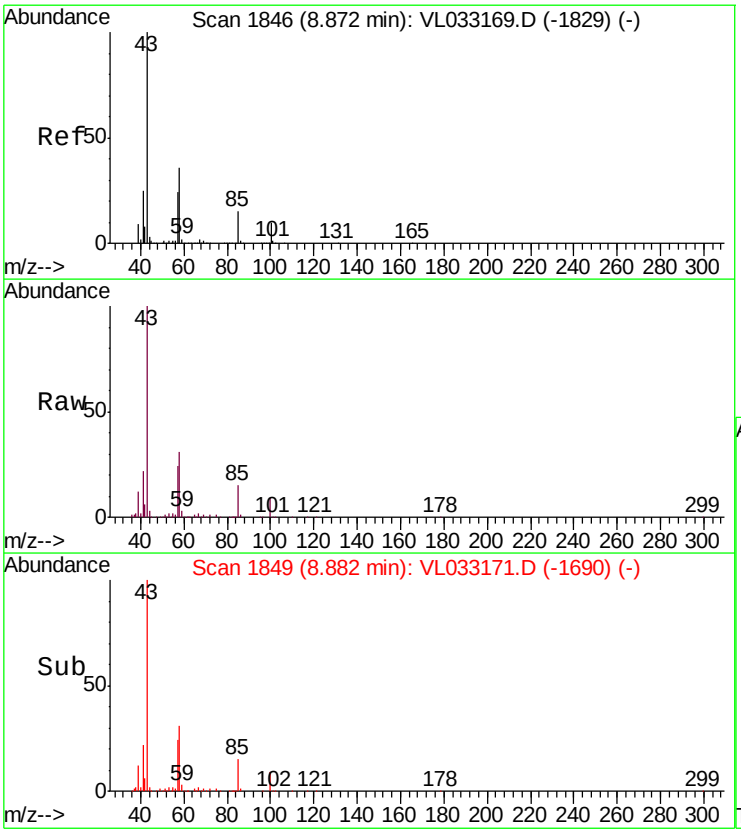
#49
Bromoform
Concen: 0.495 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 73640

Ion	Ratio	Lower	Upper
173	100		
175	0.0	38.6	58.0#
171	0.0	41.6	62.4#

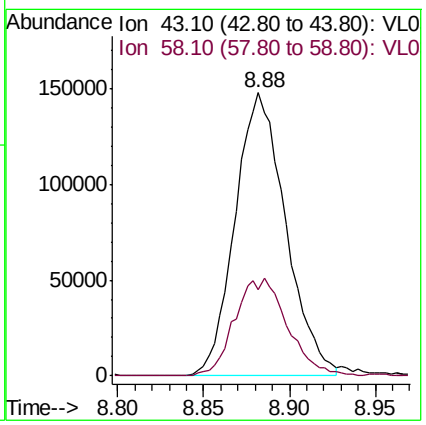


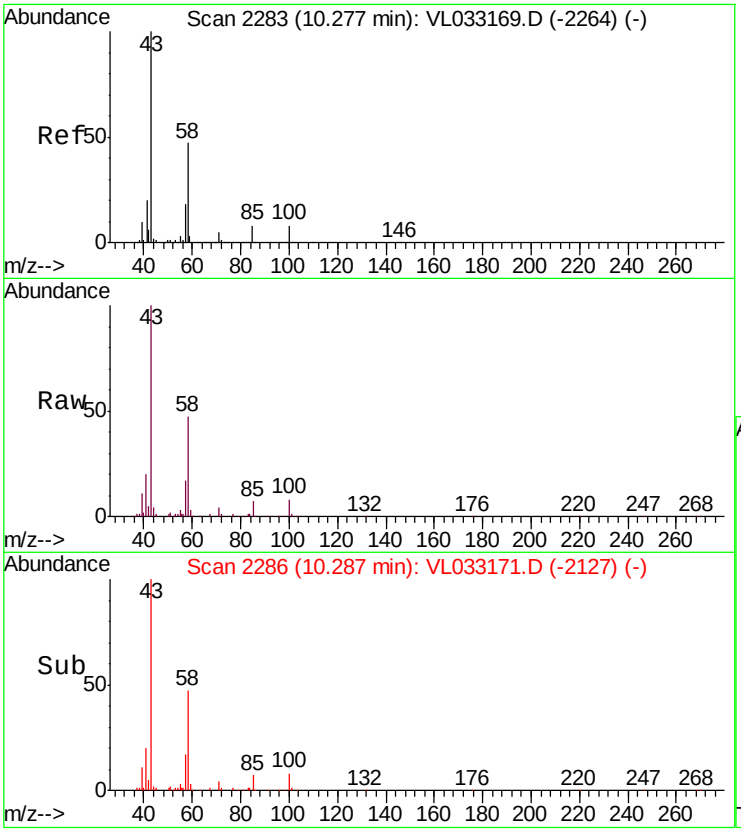


#50
4-Methyl-2-Pentanone
Concen: 1.118 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 43 Resp: 300809

Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.0	43.6



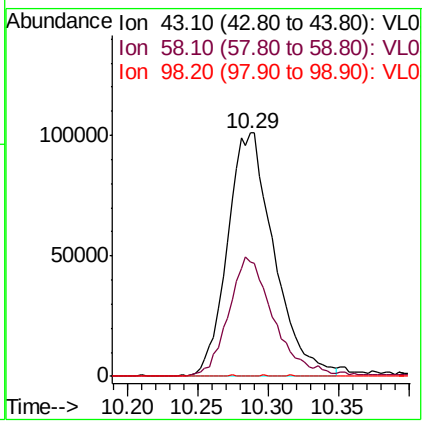


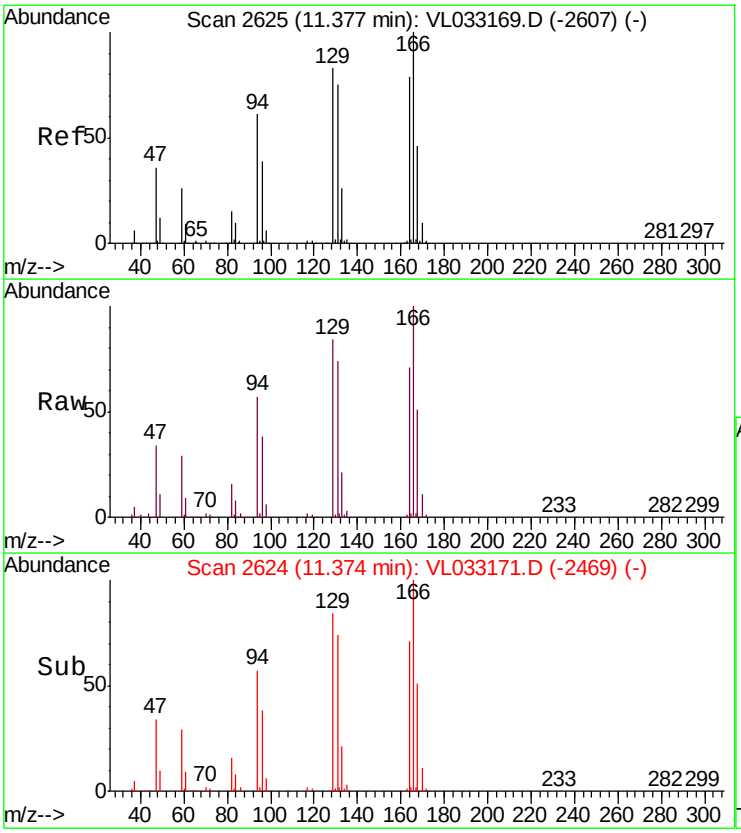
#51
2-Hexanone
Concen: 1.094 ppbv
RT: 10.29 min Scan# 2286
Delta R.T. 0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 232111

Ion	Ratio	Lower	Upper
43	100		
58	48.7	39.0	58.6
98	0.2	0.1	0.1#

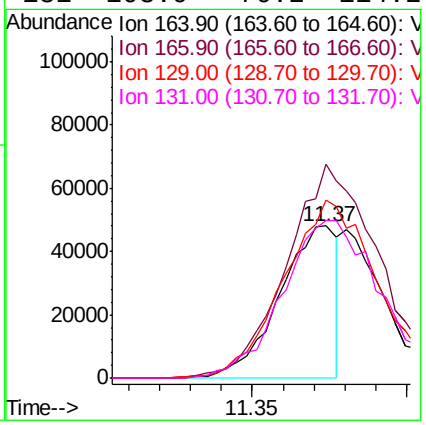


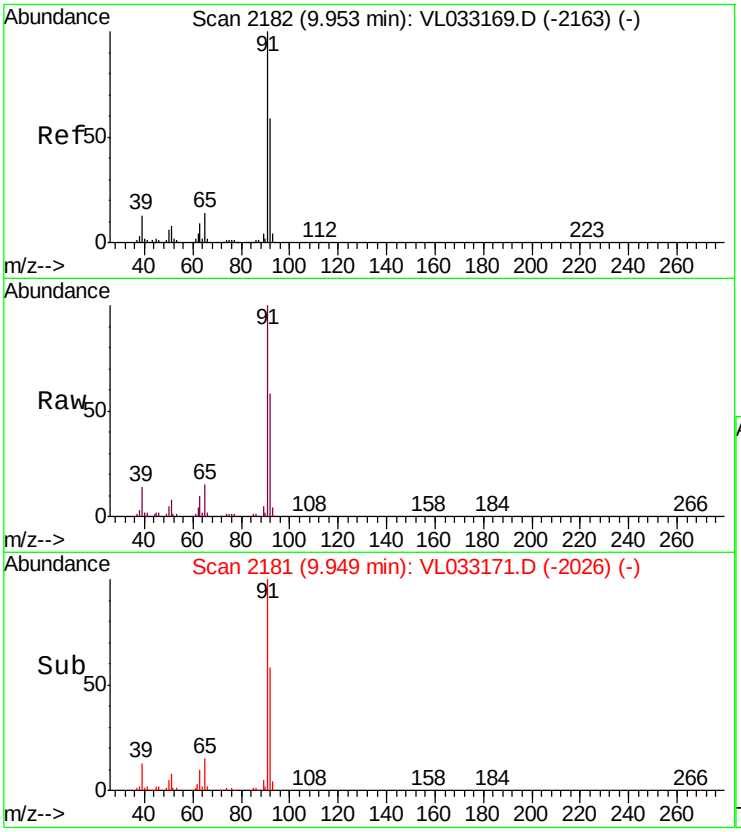


#52
Tetrachloroethene
Concen: 0.602 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:164 Resp: 62013

Ion	Ratio	Lower	Upper
164	100		
166	139.8	100.9	151.3
129	116.6	83.9	125.9
131	103.9	76.2	114.2



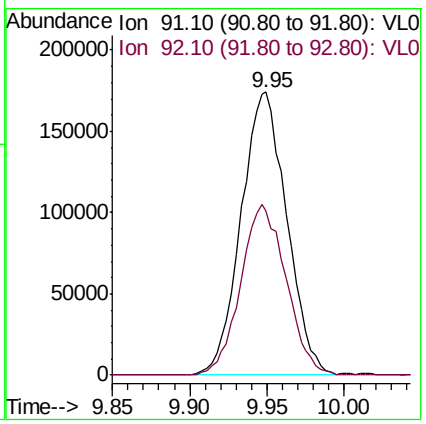


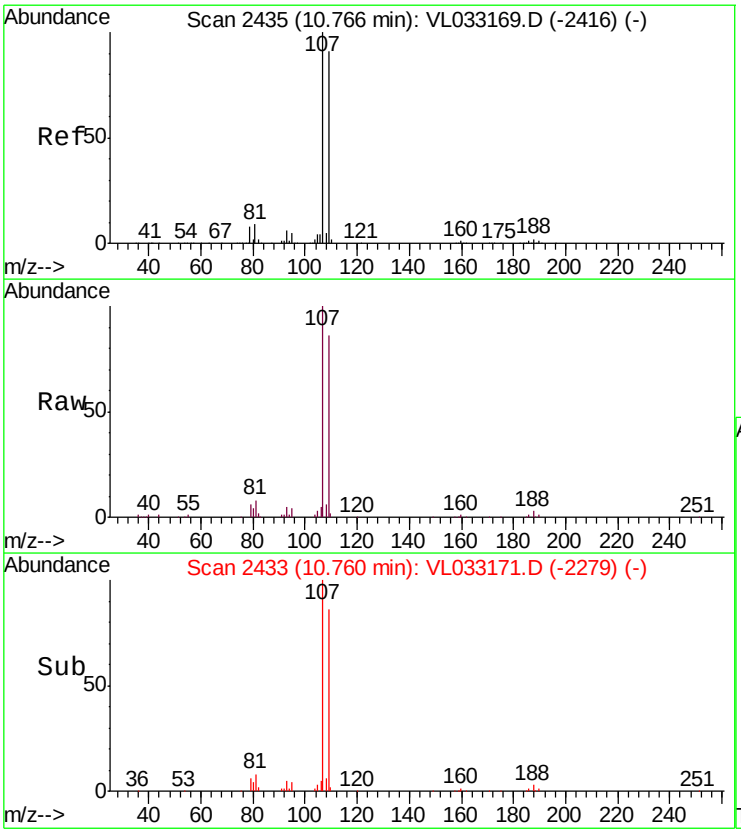
#53
Toluene
Concen: 1.126 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 357378

Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.0	72.0

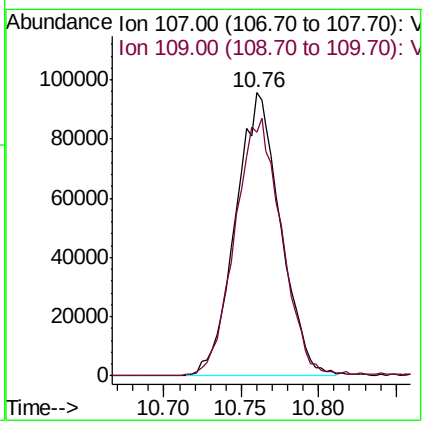


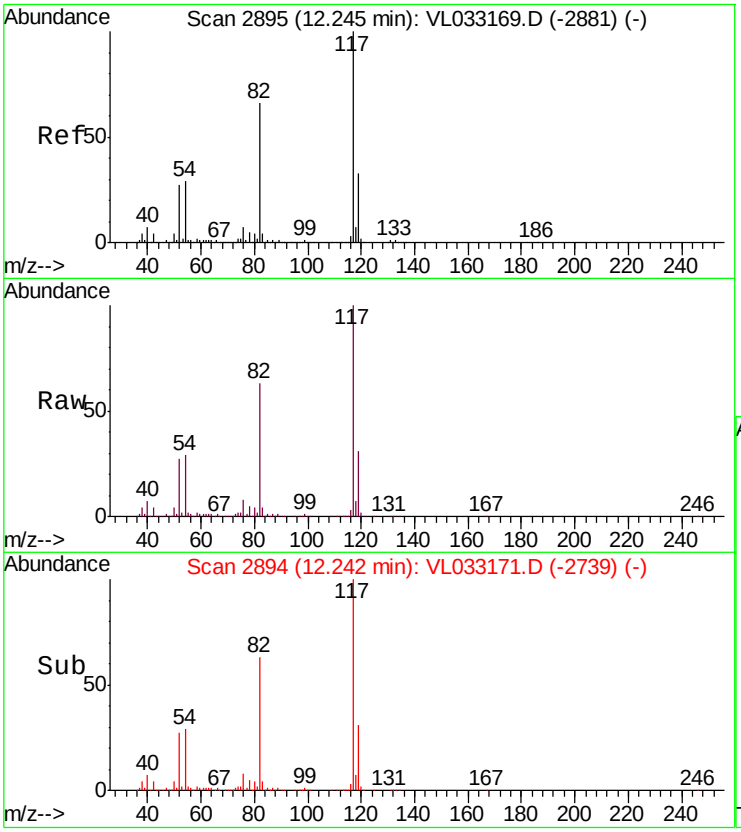


#54
1,2-Dibromoethane
Concen: 1.123 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:107 Resp: 193609

Ion	Ratio	Lower	Upper
107	100		
109	85.6	73.2	109.8



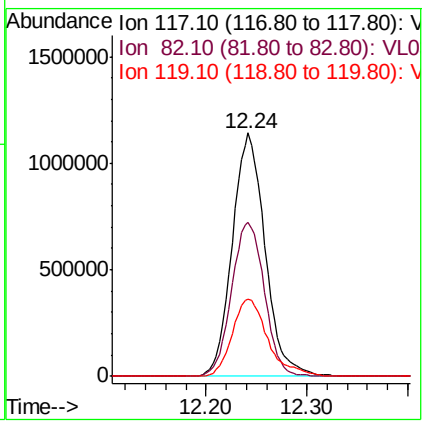


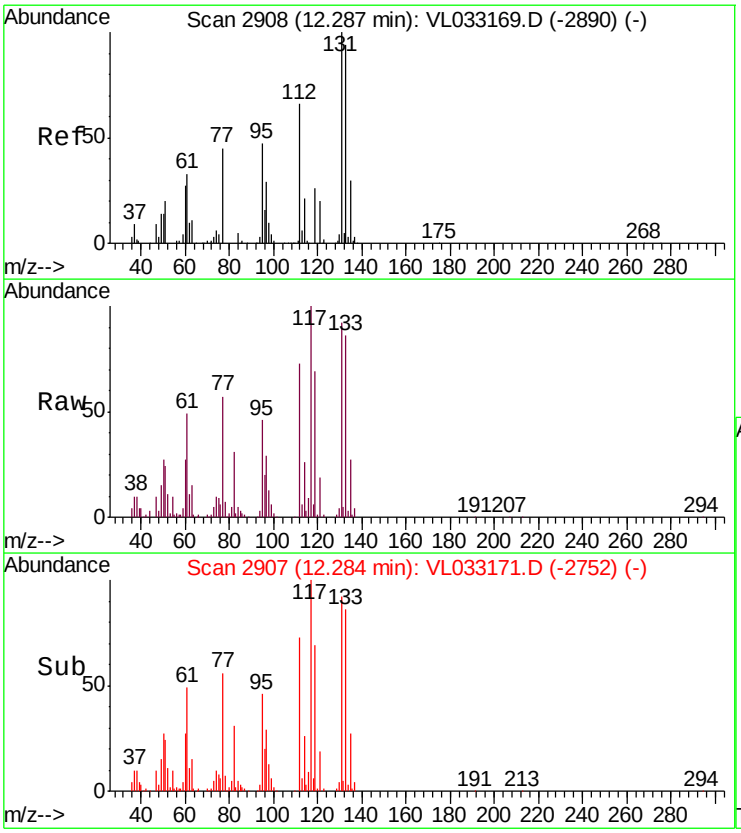
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 2575591

Ion	Ratio	Lower	Upper
117	100		
82	63.3	53.8	80.8
119	34.8	46.9	70.3#

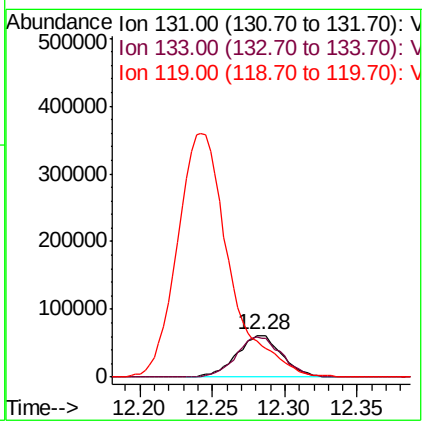


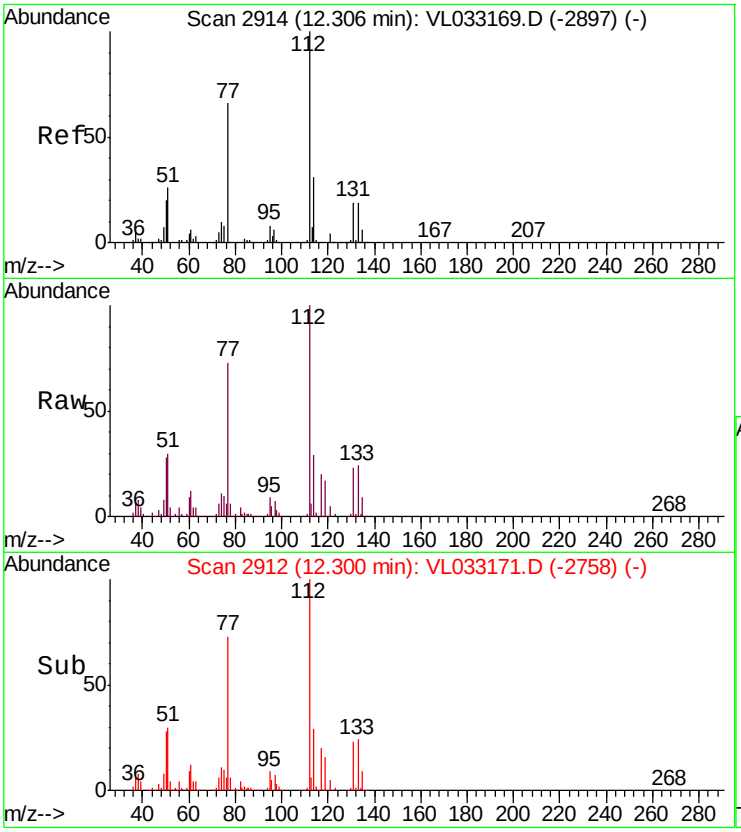


#56
1,1,1,2-Tetrachloroethane
Concen: 1.115 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:131 Resp: 133726

Ion	Ratio	Lower	Upper
131	100		
133	97.1	75.8	113.6
119	670.4	48.1	72.1#



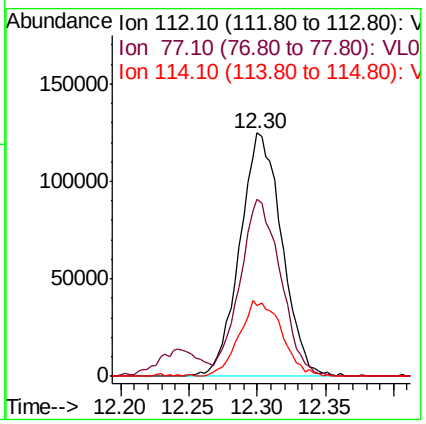


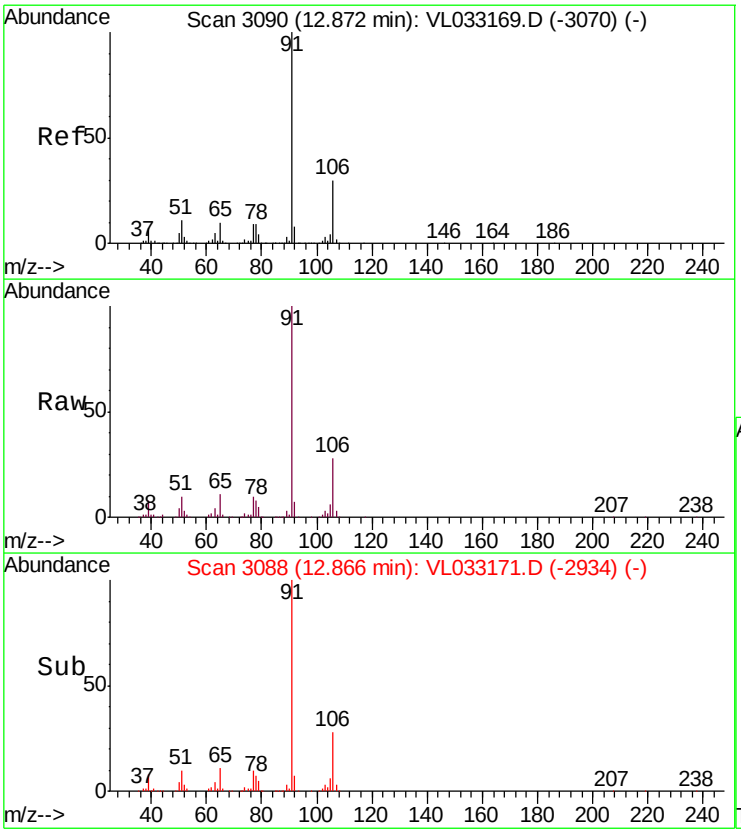
#57
Chlorobenzene
Concen: 1.169 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 266564

Ion	Ratio	Lower	Upper
112	100		
77	72.3	54.0	81.0
114	29.0	27.9	34.1

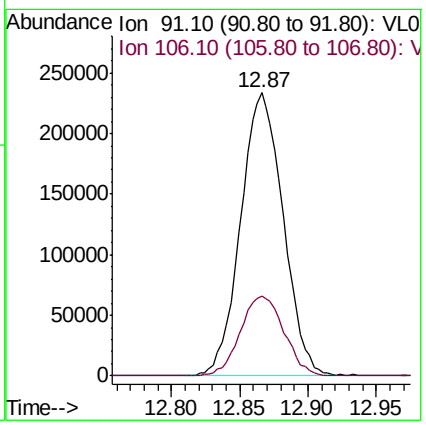


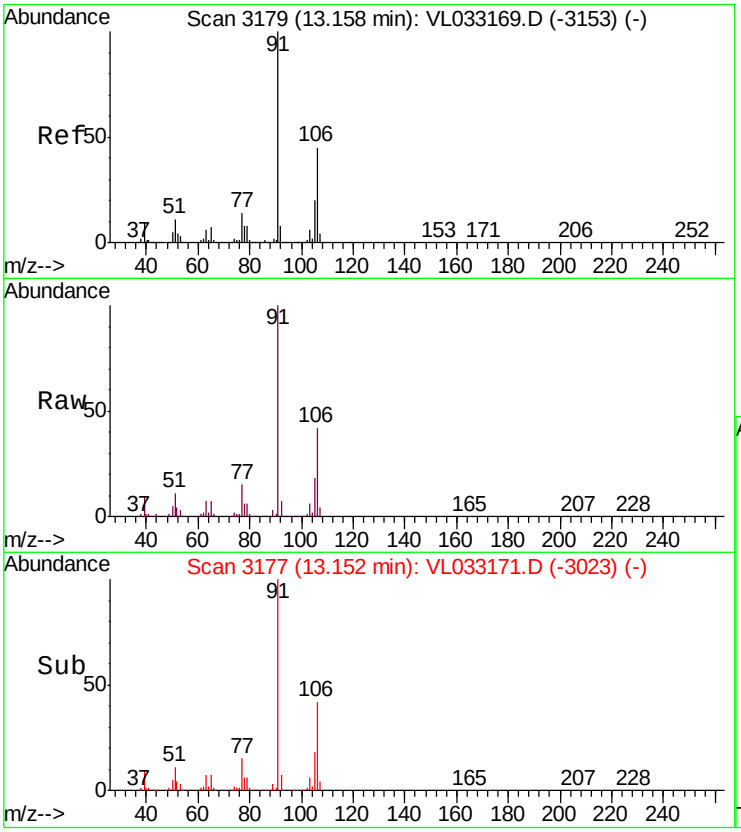


#58
Ethyl Benzene
Concen: 1.193 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 91 Resp: 504262

Ion	Ratio	Lower	Upper
91	100		
106	28.2	23.8	35.8



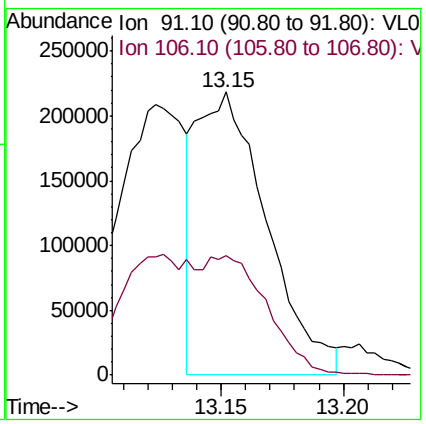


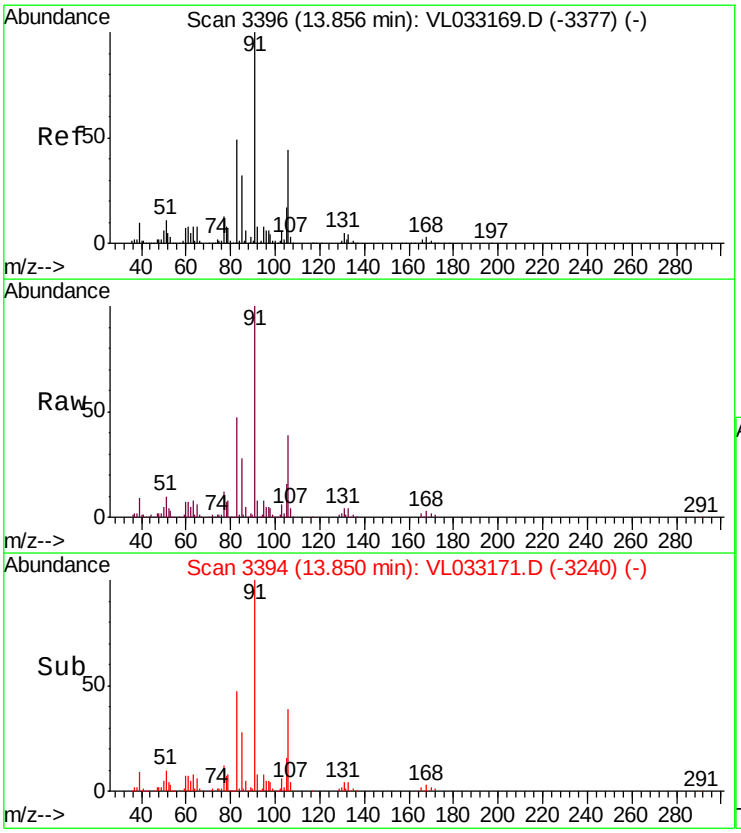
#59
m/p-Xylene
Concen: 1.235 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 434489

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#

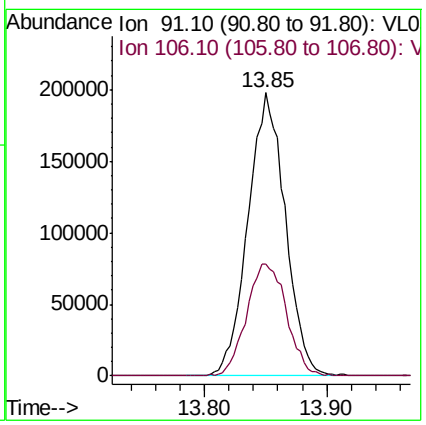


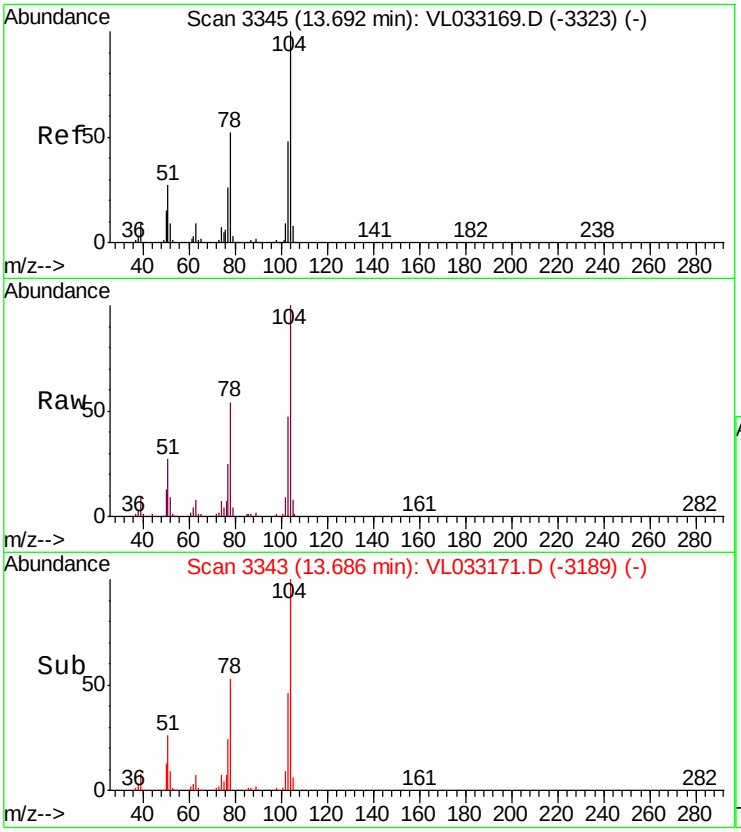


#60
o-Xylene
Concen: 1.217 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 91 Resp: 417244

Ion	Ratio	Lower	Upper
91	100		
106	42.4	21.8	65.3



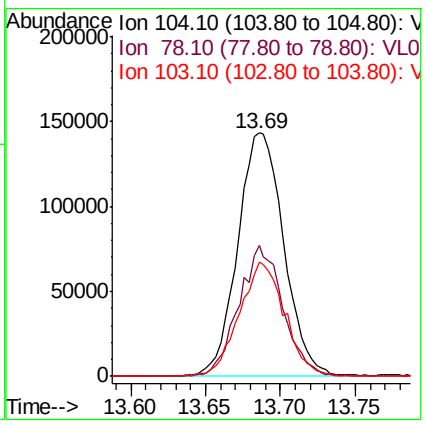


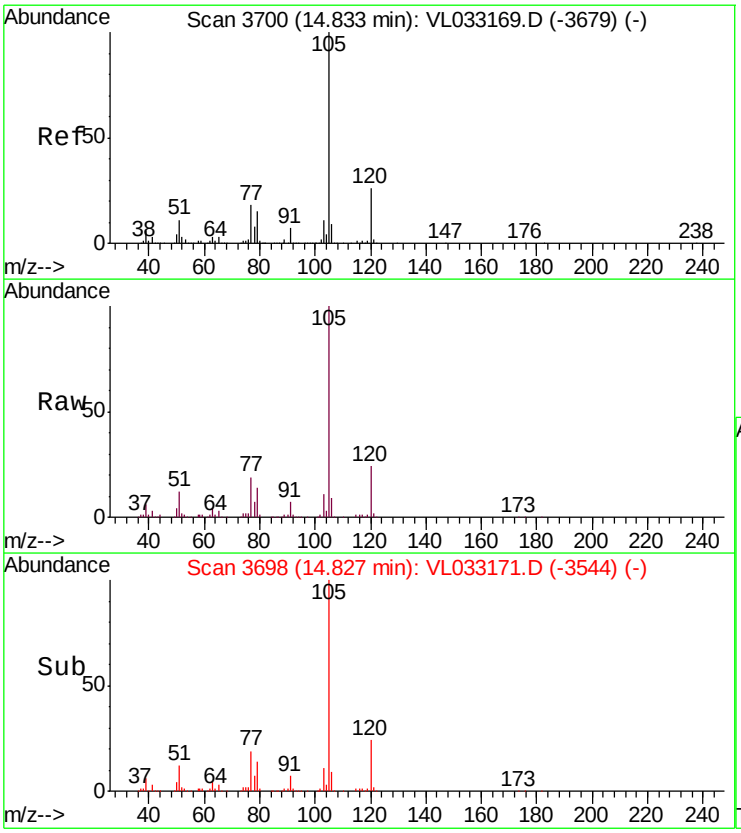
#61
Styrene
Concen: 1.185 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:104 Resp: 306862

Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.9	62.9
103	46.3	37.9	56.9

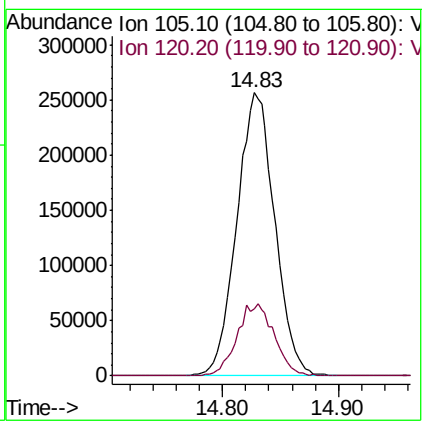


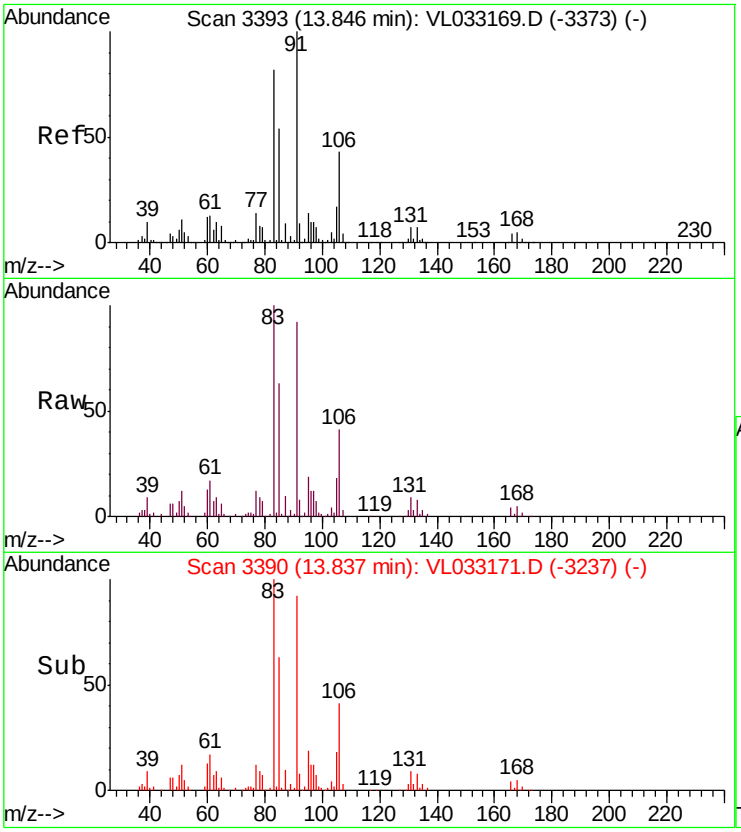


#62
Isopropylbenzene
Concen: 1.202 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:105 Resp: 581631

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.3	30.5



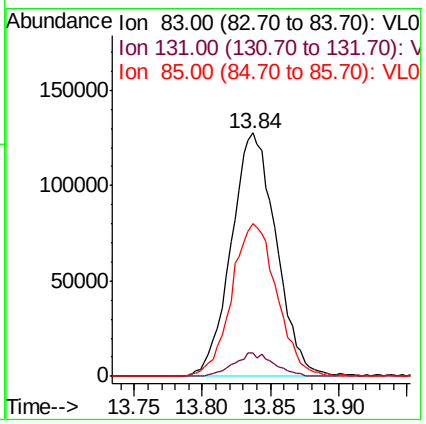


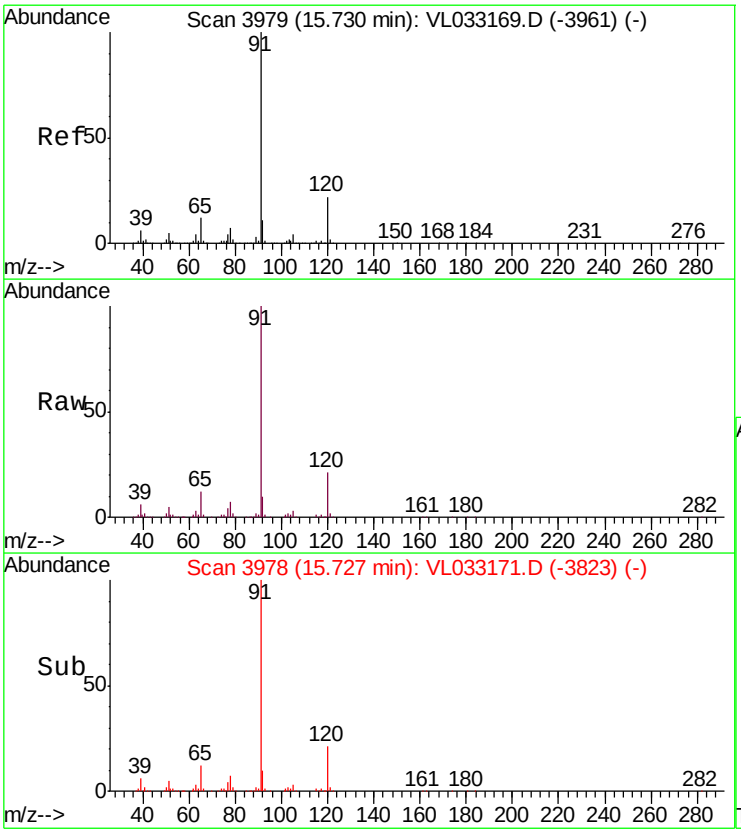
#63
1,1,2,2-Tetrachloroethane
Concen: 1.075 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 288239

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.8	14.3
85	64.0	32.8	98.3

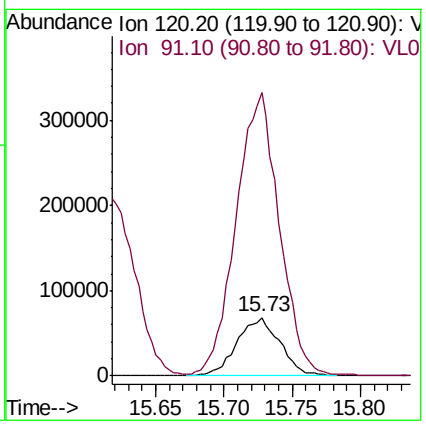


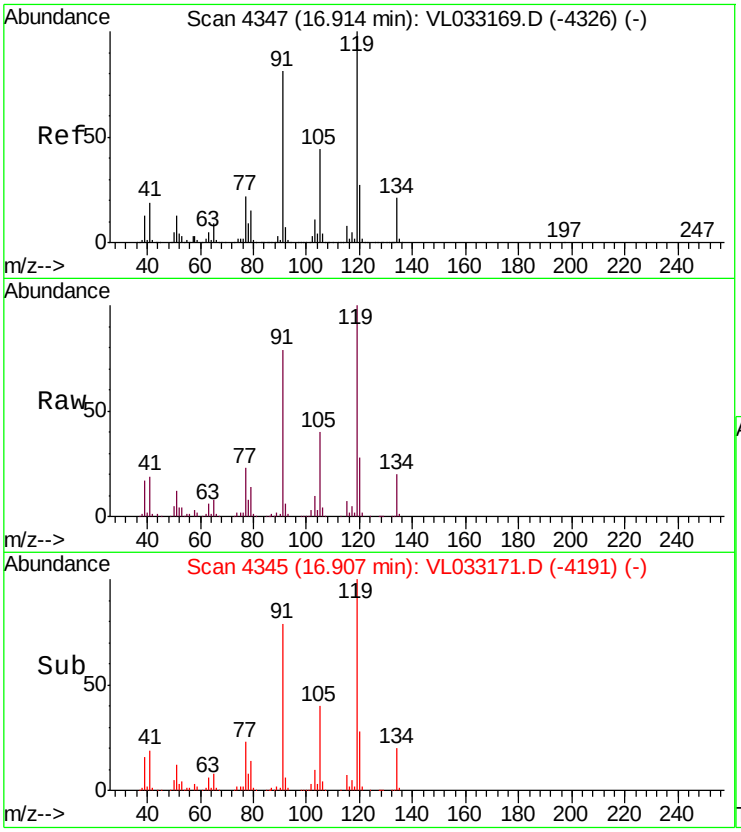


#64
n-propylbenzene
Concen: 1.215 ppbv
RT: 15.73 min Scan# 3978
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:120 Resp: 149453

Ion	Ratio	Lower	Upper
120	100		
91	492.4	383.9	575.9



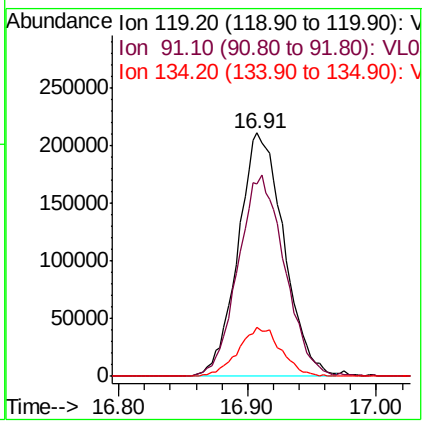


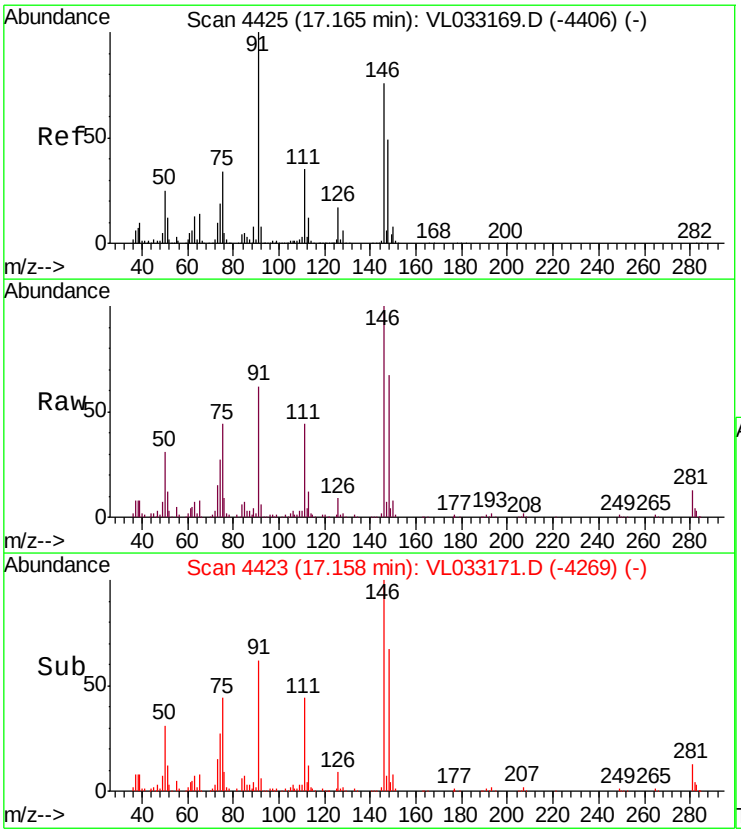
#65
tert-Butylbenzene
Concen: 1.227 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 517113

Ion	Ratio	Lower	Upper
119	100		
91	84.9	65.6	98.4
134	19.2	15.8	23.8

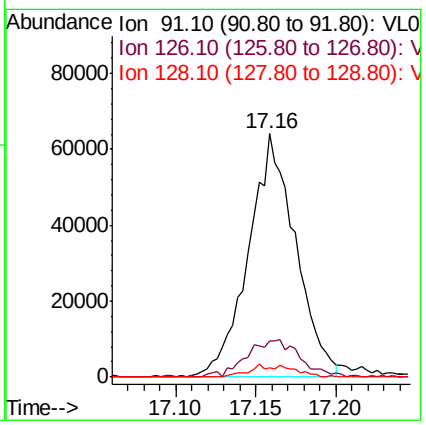


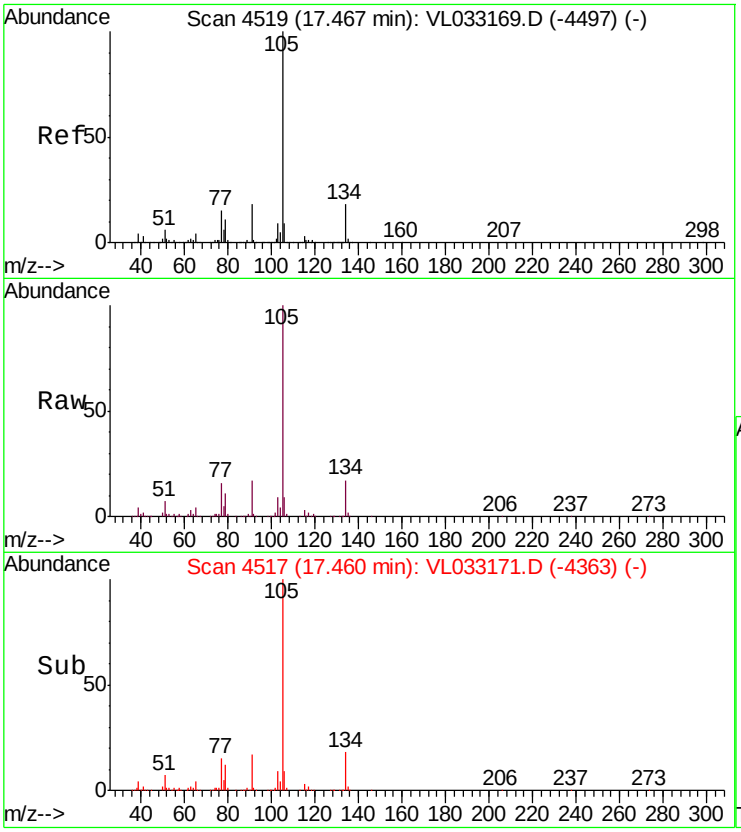


#66
Benzyl Chloride
Concen: 0.855 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 91 Resp: 128796

Ion	Ratio	Lower	Upper
91	100		
126	18.1	13.8	20.6
128	4.8	4.5	6.7



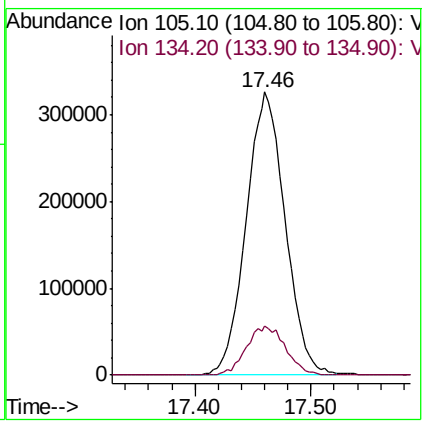


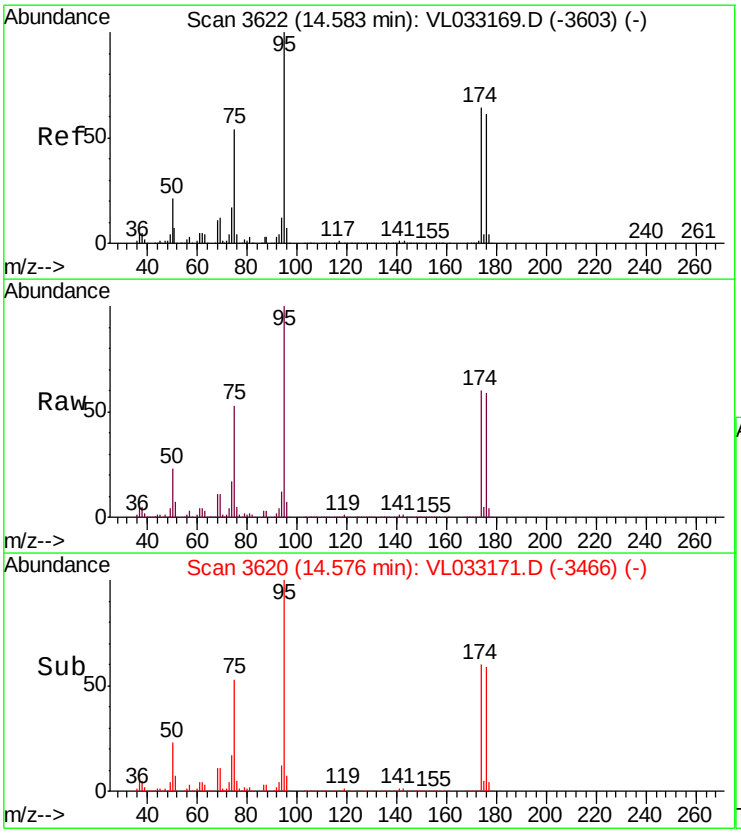
#67
sec-Butylbenzene
Concen: 1.244 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 761145

Ion	Ratio	Lower	Upper
105	100		
134	17.5	14.6	22.0

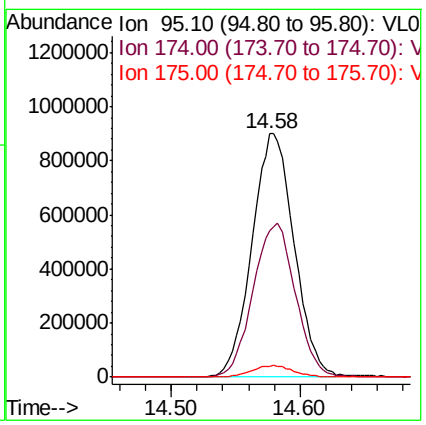


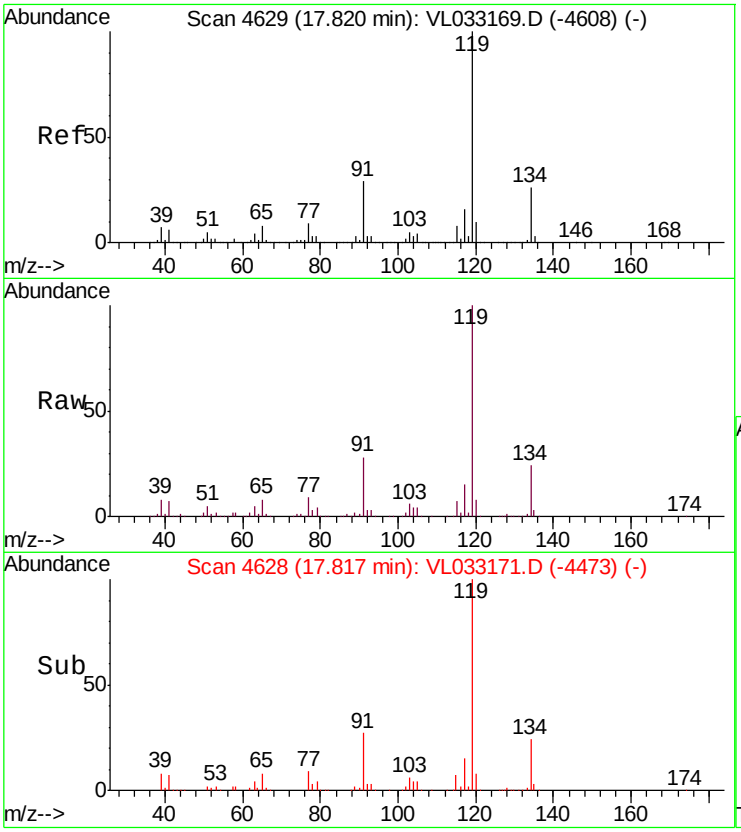


#68
1-Bromo-4-Fluorobenzene
Concen: 10.188 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 95 Resp: 2045161

Ion	Ratio	Lower	Upper
95	100		
174	63.8	51.1	76.7
175	4.8	3.8	5.6



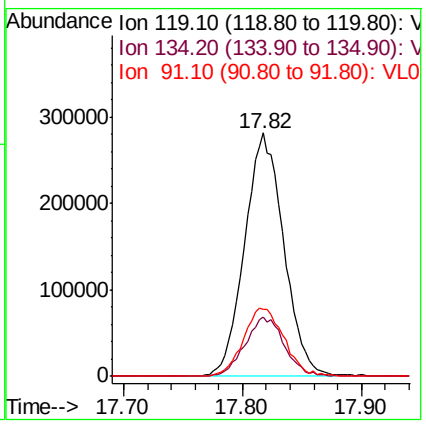


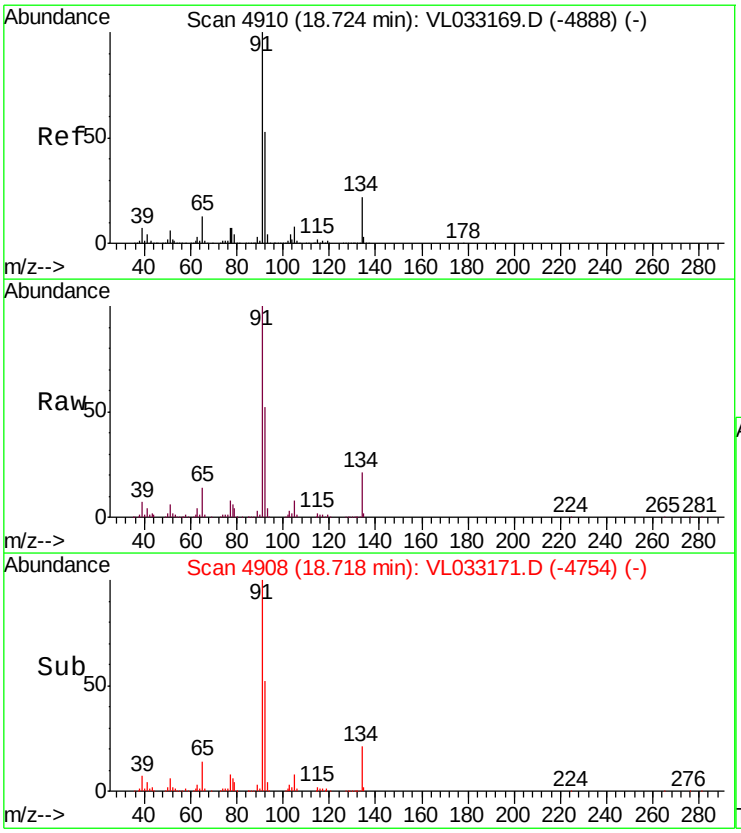
#69
p-Isopropyltoluene
Concen: 1.256 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 639657

Ion	Ratio	Lower	Upper
119	100		
134	24.4	20.4	30.6
91	29.5	23.4	35.0

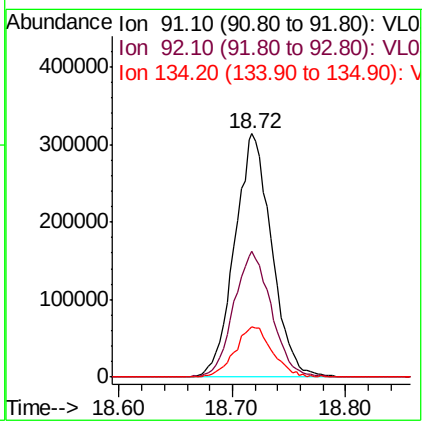


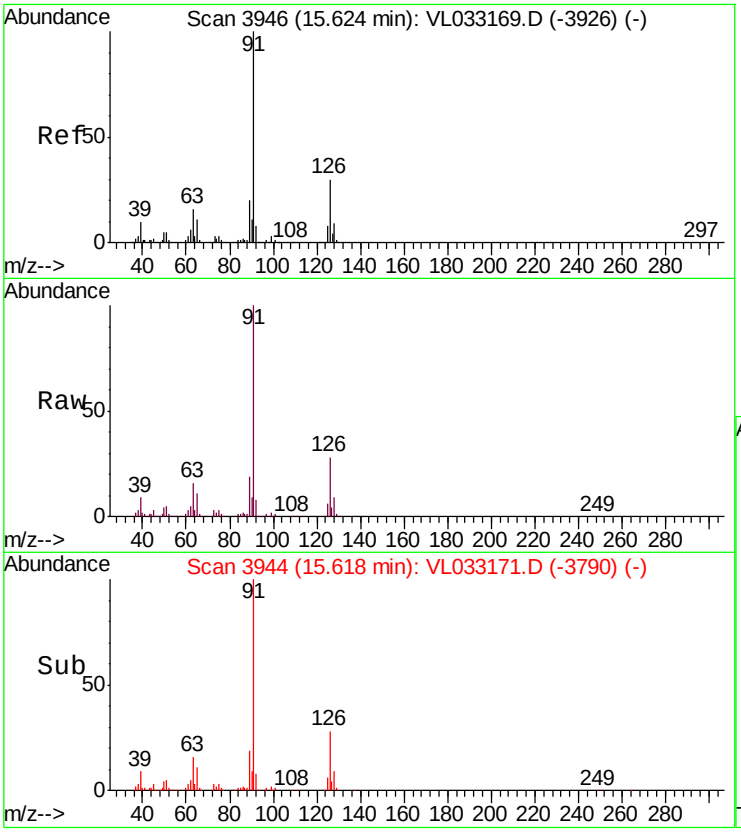


#70
n-Butylbenzene
Concen: 1.294 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion: 91 Resp: 711116

Ion	Ratio	Lower	Upper
91	100		
92	52.7	43.0	64.4
134	21.0	17.5	26.3



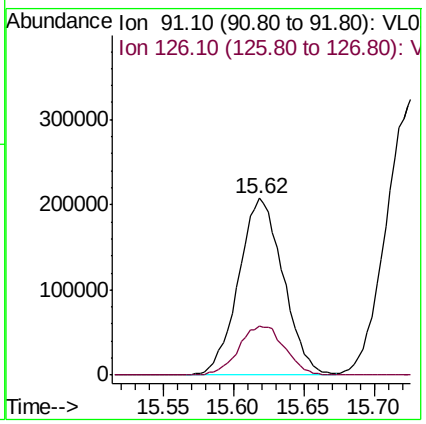


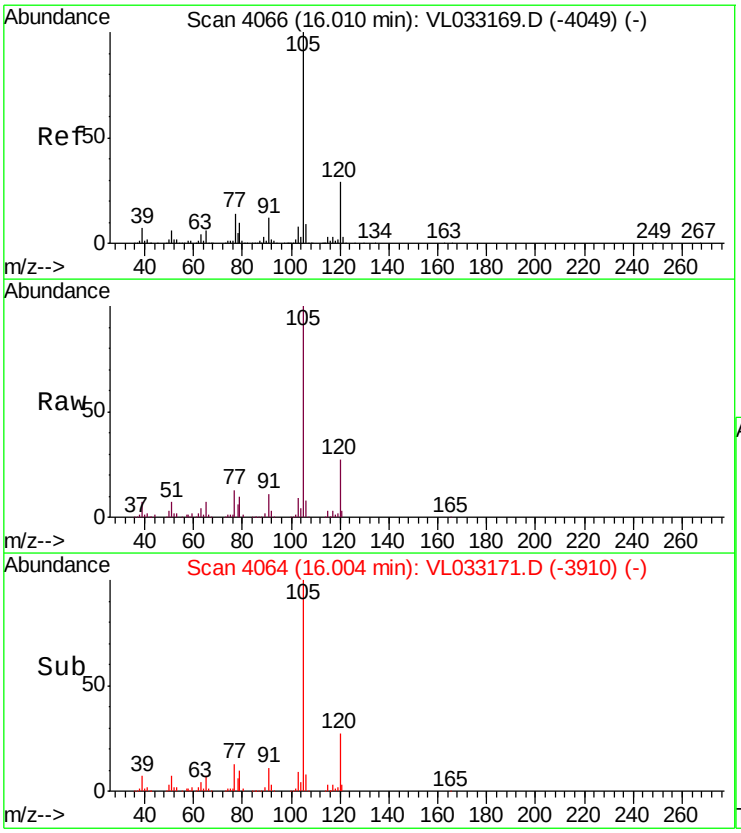
#71
2-Chlorotoluene
Concen: 1.208 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 459186

Ion	Ratio	Lower	Upper
91	100		
126	28.9	11.8	47.4

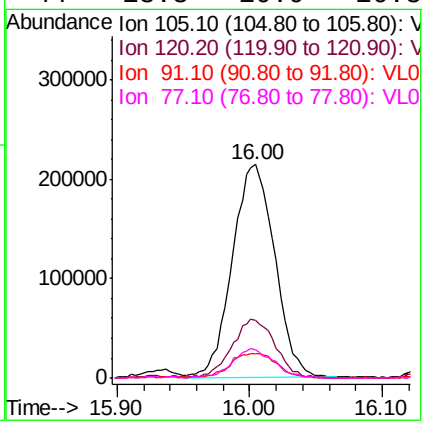


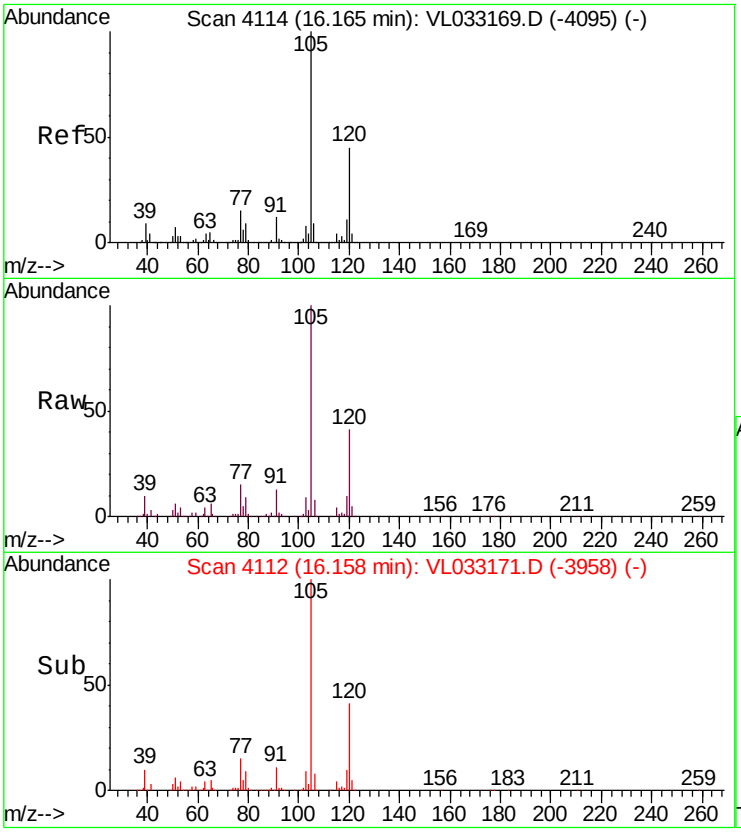


#72
4-Ethyltoluene
Concen: 1.209 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:105 Resp: 478154

Ion	Ratio	Lower	Upper
105	100		
120	27.9	23.1	34.7
91	13.7	9.8	14.6
77	13.3	10.9	16.3



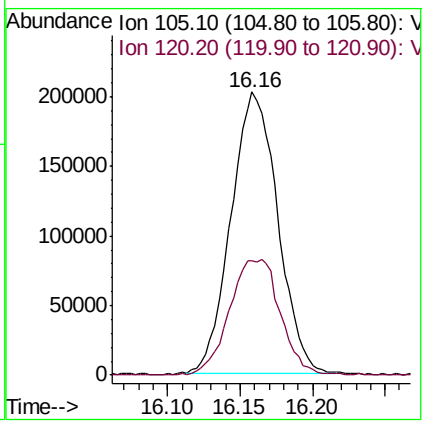


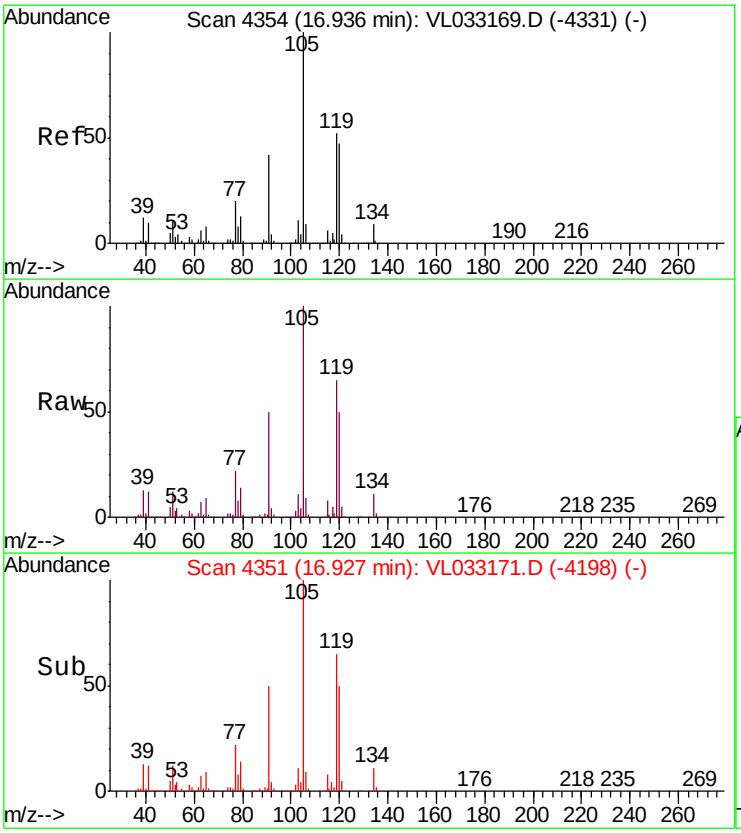
#73
1,3,5-Trimethylbenzene
Concen: 1.190 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 450021

Ion	Ratio	Lower	Upper
105	100		
120	40.6	36.2	54.4

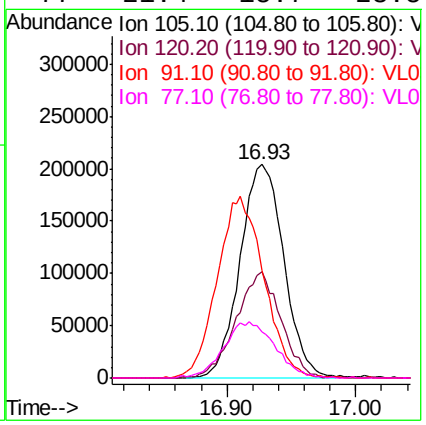


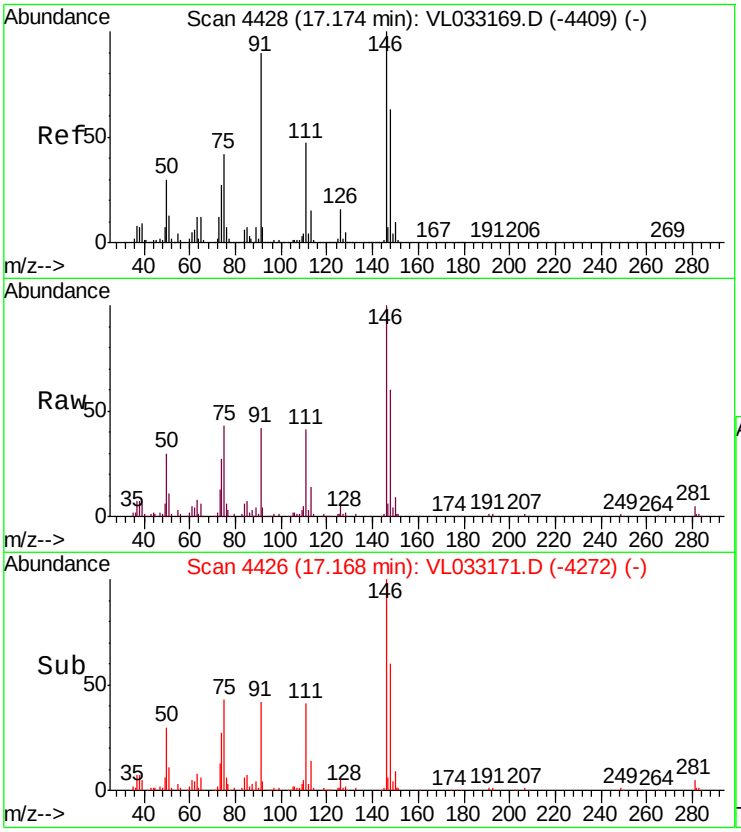


#74
1,2,4-Trimethylbenzene
Concen: 1.229 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:105 Resp: 482223

Ion	Ratio	Lower	Upper
105	100		
120	49.3	37.9	56.9
91	49.9	34.0	51.0
77	21.4	15.7	23.5



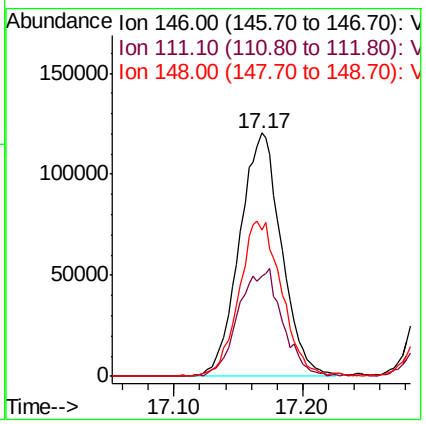


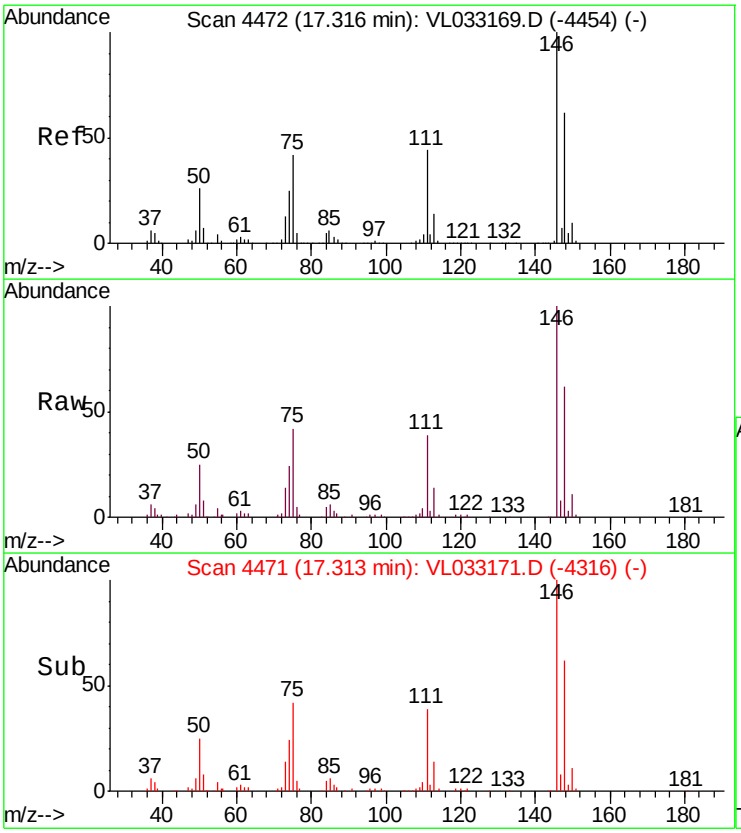
#75
1,3-Dichlorobenzene
Concen: 1.207 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 273190

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.2	69.6
148	65.2	31.8	95.4

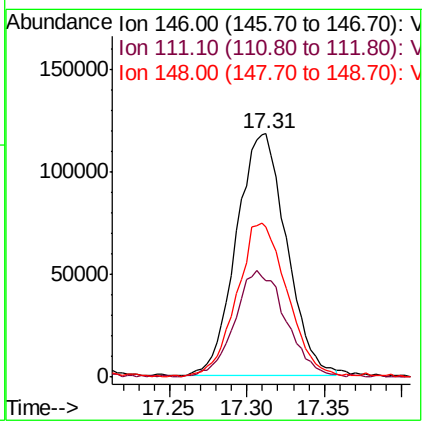


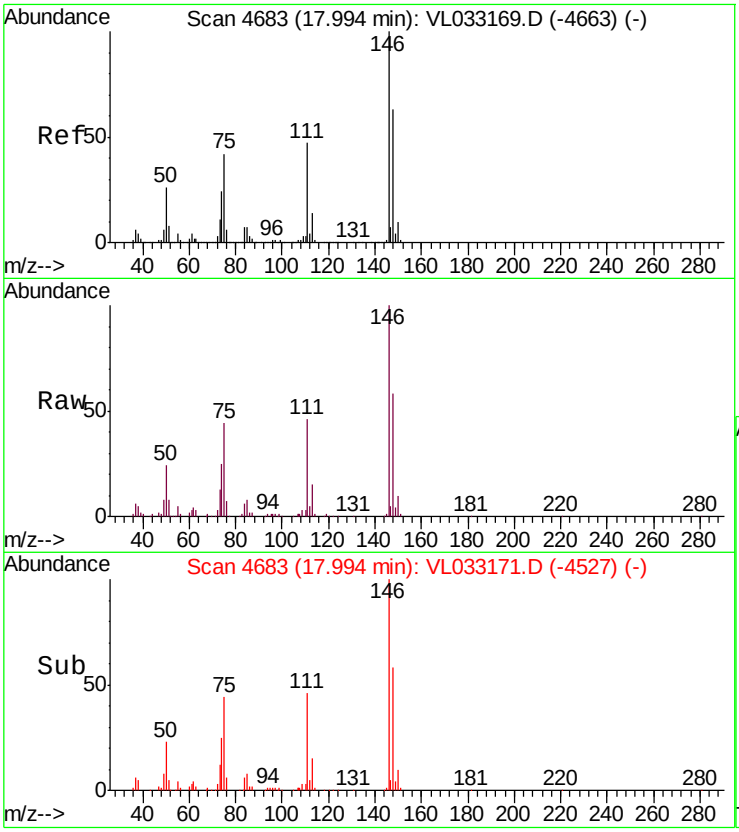


#76
1,4-Dichlorobenzene
Concen: 1.178 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:146 Resp: 264092

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.3	66.9
148	64.9	32.0	96.0



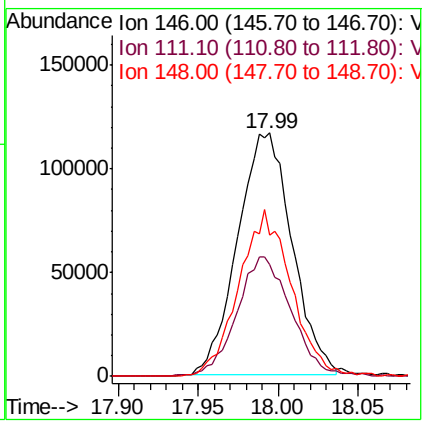


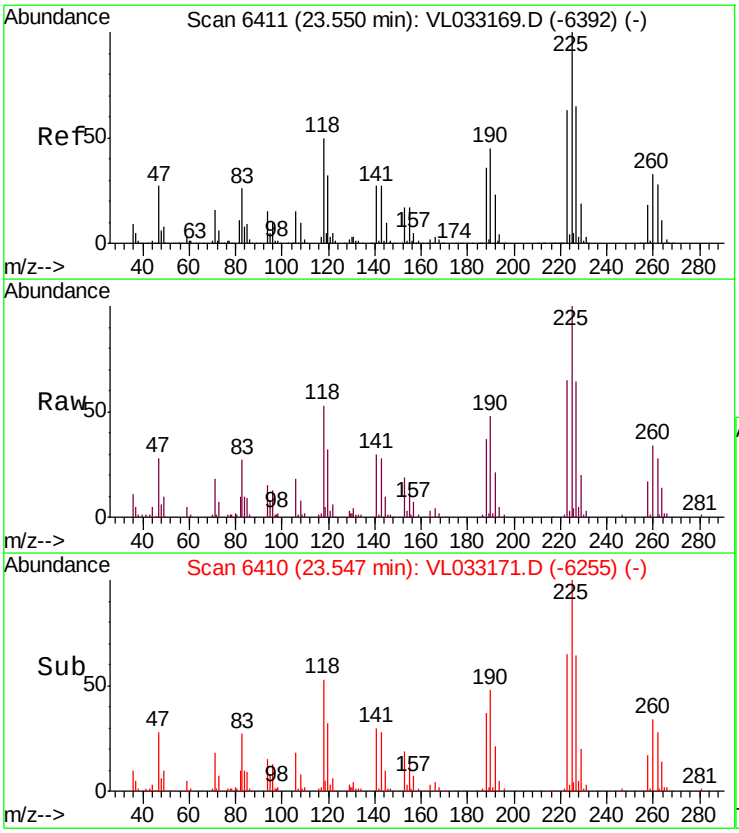
#77
1,2-Dichlorobenzene
Concen: 1.219 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 272687

Ion	Ratio	Lower	Upper
146	100		
111	49.5	23.5	70.6
148	66.3	31.9	95.7

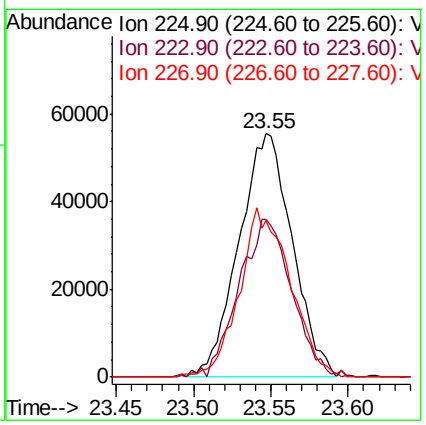


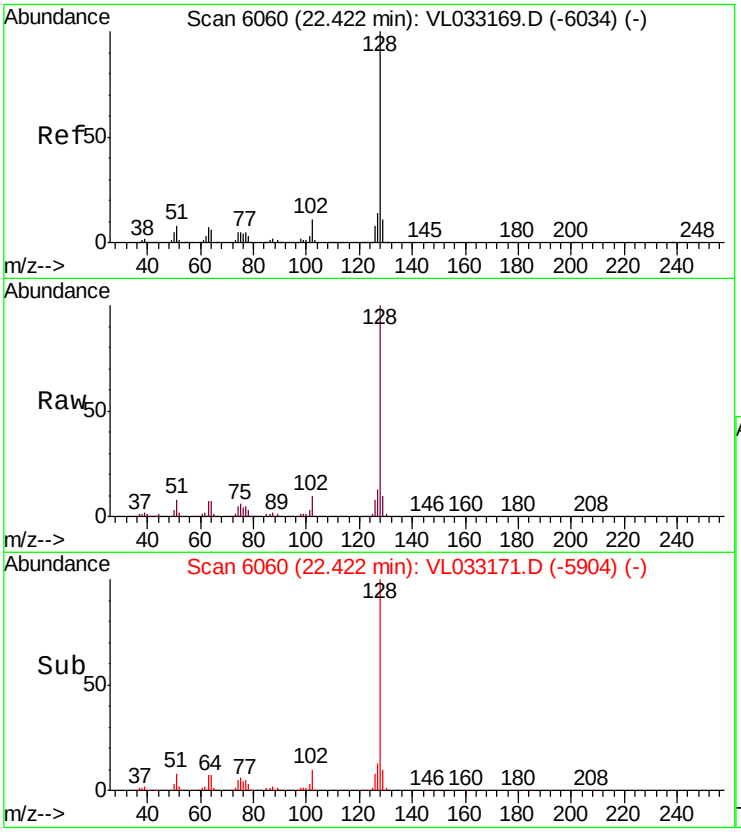


#78
Hexachloro-1,3-Butadiene
Concen: 1.198 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:225 Resp: 133223

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.6	75.8
227	66.0	51.4	77.2



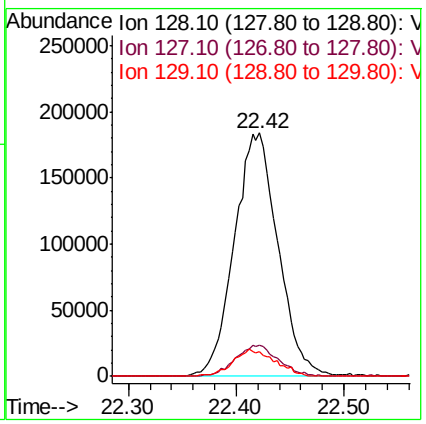


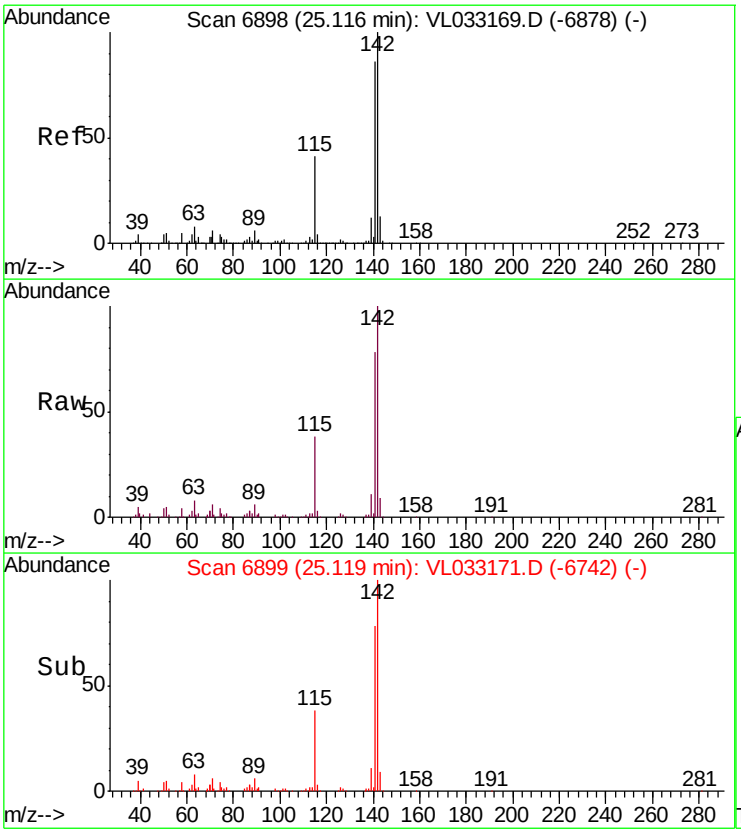
#79
Naphthalene
Concen: 1.213 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 511631

Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.4
129	10.3	8.6	12.8

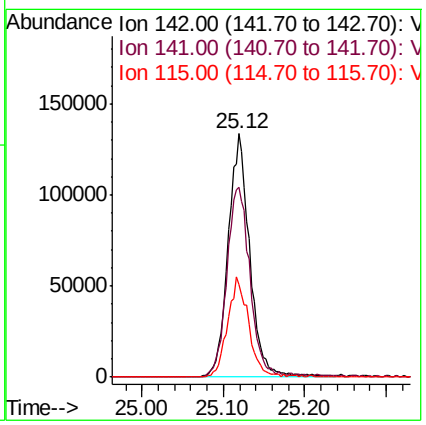


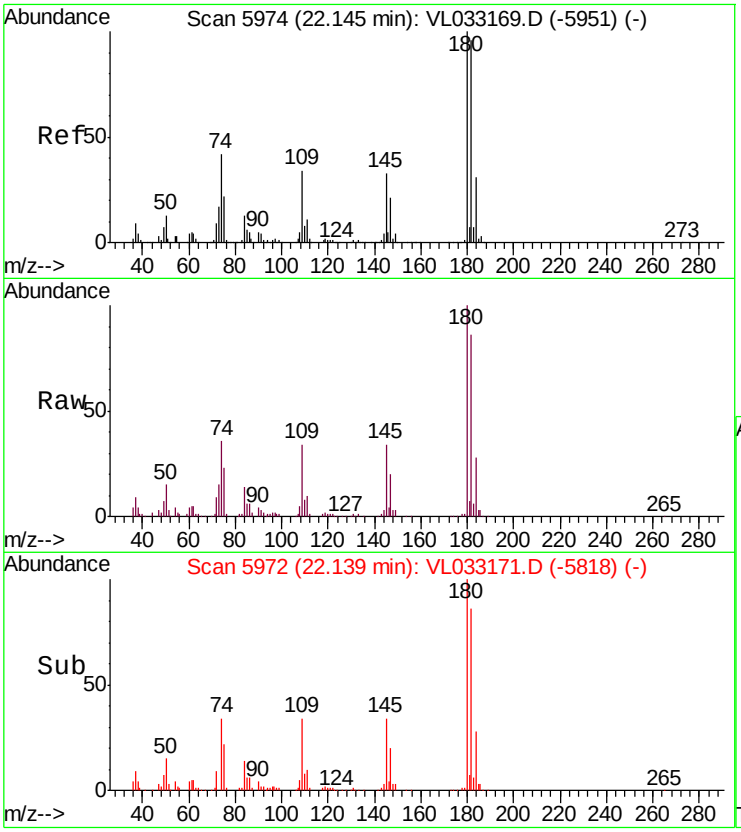


#80
Naphthalene,2-methyl-
Concen: 1.167 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Tgt Ion:142 Resp: 248957

Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.7	101.5
115	40.4	32.7	49.1





#81
1,2,4-Trichlorobenzene
Concen: 1.229 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.01 min
Lab File: VL033171.D
Acq: 6 Feb 2019 3:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 263343

Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.8
184	30.1	24.3	36.5