Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL053118\

Quantitation Report (Not Reviewed)

Data File : VL032019.D
Acq On : 31 May 2018 18:01
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jun 01 02:03:53 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 01 01:58:27 2018
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1332639	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2583958	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.37	117	2446622	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.70	95	1914970	10.08	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.14	85	121278	0.71	ppbv	96
3) Chlorodifluoromethane	3.08	51	72019	0.58	ppbv	100
4) Chloromethane	3.24	50	33725	0.52	ppbv	93
5) Vinyl Chloride	3.37	62	37208	0.50	ppbv	98
6) Bromomethane	3.59	94	26331	0.55	ppbv	94
7) Chloroethane	3.68	64	16134	0.57	ppbv	96
8) Dichlorotetrafluoroethane	3.29	85	94760	0.54	ppbv	99
9) Propene	3.11	41	5739	0.13	ppbv #	1
10) Heptane	8.36	43	62835	0.40	ppbv	94
11) Trichlorofluoromethane	4.09	101	150716	0.70	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.64	101	94217	0.61	ppbv	98
13) Ethanol	3.74	45	5951	0.35	ppbv #	43
14) Bromoethene	3.87	108	30330	0.55	ppbv	95
15) Acetone	4.00	43	81774	0.44	ppbv	96
16) 1,3-Butadiene	3.44	39	31660	0.53	ppbv	97
17) tert-Butyl alcohol	4.47	59	17395	0.22	ppbv #	72
18) 1,1-Dichloroethene	4.44	96	39906	0.60	ppbv	84
19) Isopropyl Alcohol	4.13	45	59642	0.58	ppbv #	92
20) Methylene Chloride	4.50	84	41726	0.65	ppbv	95
21) Allyl Chloride	4.57	41	57010	0.53	ppbv	96
22) trans-1,2-Dichloroethene	5.06	96	43792	0.59	ppbv	95
23) Vinyl Acetate	5.26	43	108551	0.50	ppbv #	97
24) 1,1-Dichloroethane	5.19	63	116766	0.57	ppbv	98
25) Ethyl Acetate	5.88	43	164387	0.51	ppbv	99
26) Hexane	5.88	57	70802	0.46	ppbv	86
27) Carbon Disulfide	4.72	76	91653	0.52	ppbv #	88
28) Methyl tert-Butyl Ether	5.23	73	83800	0.45	ppbv	98
29) Chloroform	5.95	83	136842	0.56	ppbv	96
30) Cyclohexane	7.36	84	26709	0.26	ppbv #	14
31) cis-1,2-Dichloroethene	5.75	61	19055	0.14	ppbv	93
32) 1,1,1-Trichloroethane	6.73	97	93179	0.42	ppbv	93
34) 2-Butanone	5.44	43	45191	0.21	ppbv #	50
35) Carbon Tetrachloride	7.25	117	109525	0.53	ppbv	93
36) Benzene	7.12	78	105066	0.43	ppbv	95
37) 1,2-Dichloroethane	6.52	62	81236	0.47	ppbv	97
38) Trichloroethene	8.08	130	38759	0.42	ppbv #	88
39) 1,2-Dichloropropane	7.85	63	41027	0.48	ppbv #	86
41) Tetrahydrofuran	6.28	42	27094	0.29	ppbv	96
42) Bromodichloromethane	8.03	83	100980	0.51	ppbv	99
43) Methyl Methacrylate	8.26	69	21240	0.26	ppbv #	38
44) 2,2,4-Trimethylpentane	8.11	57	174534	0.44	ppbv	94

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL053118\

Quantitation Report (Not Reviewed)

Data File : VL032019.D
Acq On : 31 May 2018 18:01
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jun 01 02:03:53 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 01 01:58:27 2018
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.53	75	20906	0.19	ppbv		93
46) cis-1,3-Dichloropropene	8.95	75	33748	0.25	ppbv		94
47) 1,1,2-Trichloroethane	9.74	97	50671	0.50	ppbv	#	88
48) Dibromochloromethane	10.58	129	81198	0.50	ppbv		100
49) Bromoform	13.33	173	58892	0.46	ppbv		97
50) 4-Methyl-2-Pentanone	9.01	43	84028	0.42	ppbv		96
51) 2-Hexanone	10.42	43	64764	0.35	ppbv	#	93
52) Tetrachloroethene	11.49	164	33257	0.37	ppbv		93
53) Toluene	10.07	91	94771	0.36	ppbv		98
54) 1,2-Dibromoethane	10.88	107	68318	0.46	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.41	131	62701	0.56	ppbv	#	1
57) Chlorobenzene	12.42	112	79341	0.37	ppbv	#	72
58) Ethyl Benzene	12.99	91	136371	0.38	ppbv		92
59) m/p-Xylene	13.28	91	93977	0.31	ppbv	#	31
60) o-Xylene	13.98	91	51273	0.17	ppbv	#	32
61) Styrene	13.81	104	10257	0.17	ppbv	#	20
62) Isopropylbenzene	14.96	105	67710	0.17	ppbv	#	19
63) 1,1,2,2-Tetrachloroethane	13.96	83	120468	0.56	ppbv		97
64) n-propylbenzene	15.85	120	15360	0.16	ppbv	#	1
65) tert-Butylbenzene	17.03	119	147709	0.43	ppbv		93
66) Benzyl Chloride	17.29	91	4109	0.13	ppbv	#	65
67) sec-Butylbenzene	17.58	105	225308	0.47	ppbv		99
69) p-Isopropyltoluene	17.94	119	151469	0.39	ppbv		94
70) n-Butylbenzene	18.84	91	91097	0.23	ppbv	#	34
71) 2-Chlorotoluene	15.75	91	119474	0.42	ppbv		100
72) 4-Ethyltoluene	16.13	105	114405	0.37	ppbv	#	93
73) 1,3,5-Trimethylbenzene	16.29	105	116750	0.41	ppbv		88
74) 1,2,4-Trimethylbenzene	17.05	105	146954	0.47	ppbv		91
75) 1,3-Dichlorobenzene	17.29	146	113284	0.58	ppbv		92
76) 1,4-Dichlorobenzene	17.44	146	98431	0.51	ppbv		97
77) 1,2-Dichlorobenzene	18.11	146	99043	0.51	ppbv		98
78) Hexachloro-1,3-Butadiene	23.66	225	43297	0.54	ppbv		93
79) Naphthalene	22.56	128	30157	0.14	ppbv	#	95
80) Naphthalene,2-methyl-	25.22	142	4395	0.08	ppbv	#	83
81) 1,2,4-Trichlorobenzene	22.29	180	6183	0.05	ppbv	#	1

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

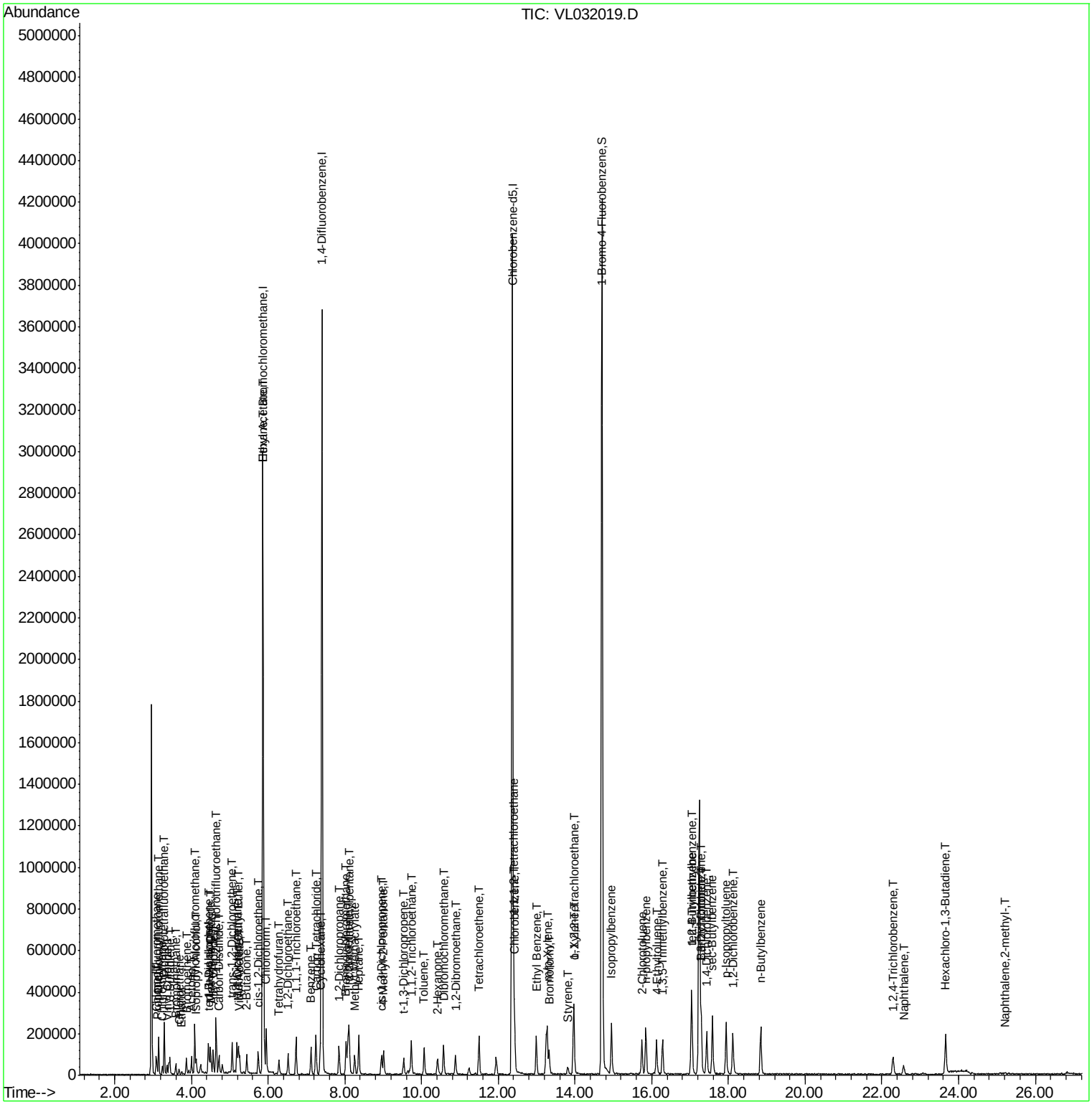
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL053118\

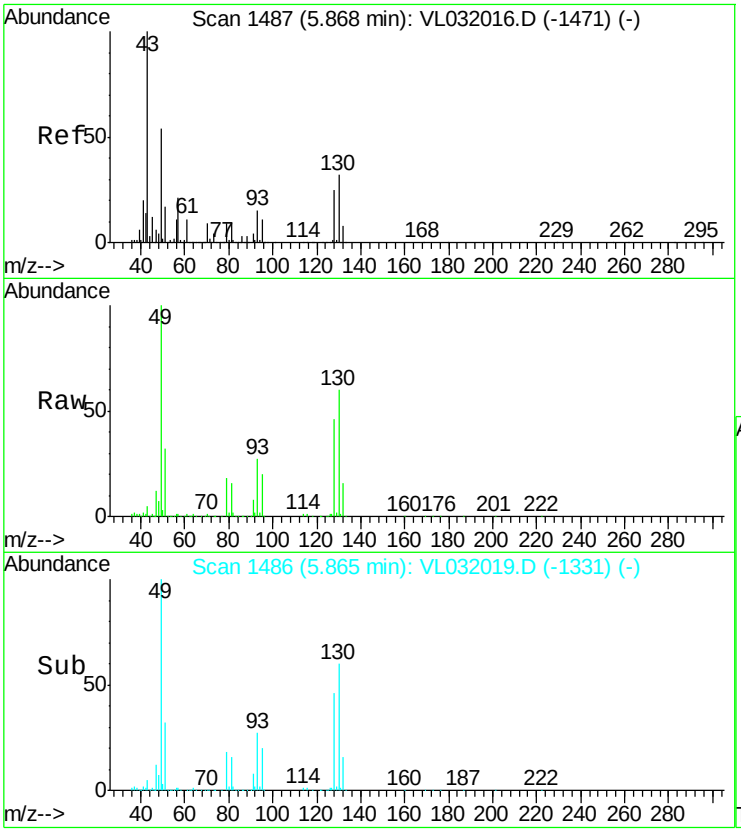
Quantitation Report (Not Reviewed)

Data File : VL032019.D
Acq On : 31 May 2018 18:01
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jun 01 02:03:53 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 01 01:58:27 2018
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration



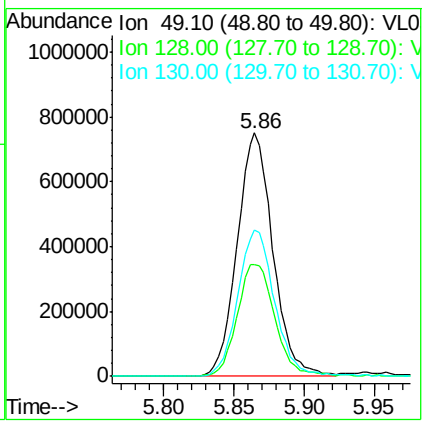


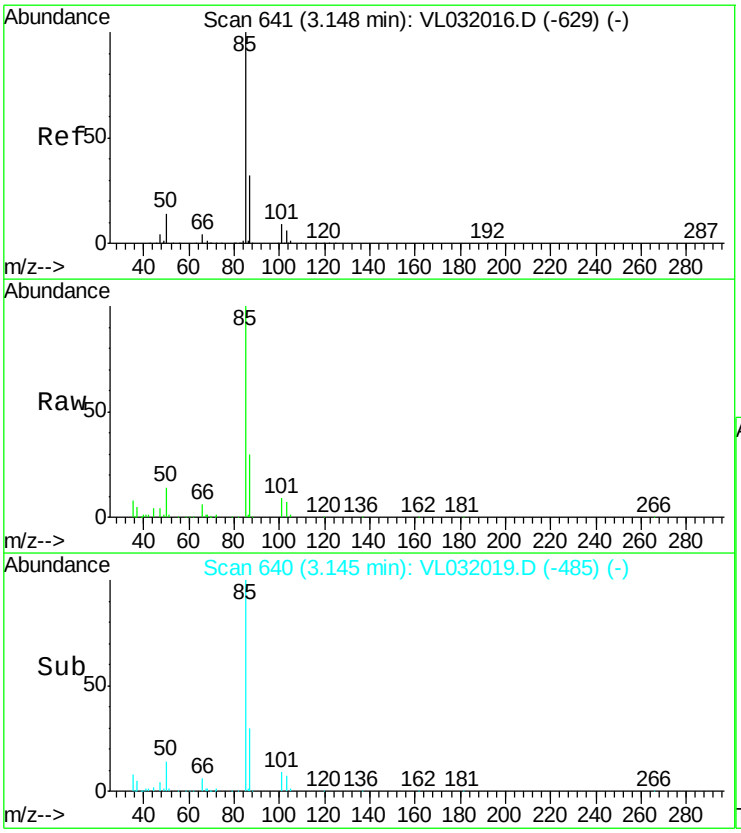
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 1332639

Ion	Ratio	Lower	Upper
49	100		
128	49.1	24.1	72.3
130	62.7	30.9	92.8

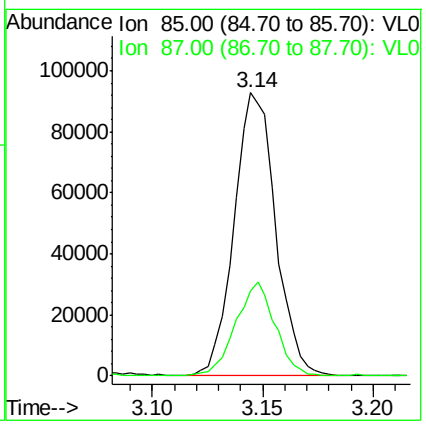


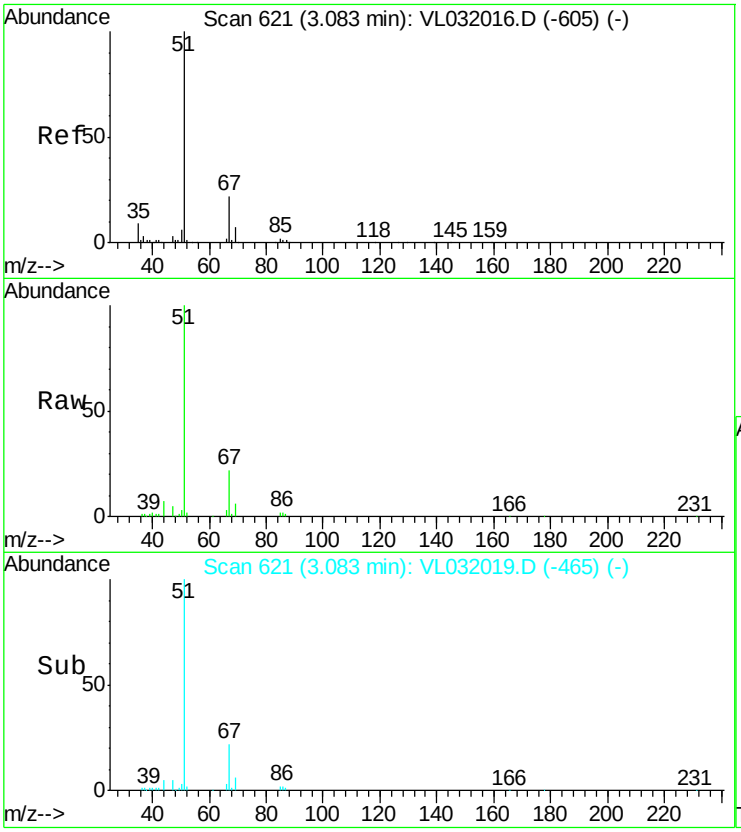


#2
Dichlorodifluoromethane
Concen: 0.71 ppbv
RT: 3.14 min Scan# 640
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 85 Resp: 121278

Ion	Ratio	Lower	Upper
85	100		
87	29.9	25.5	38.3



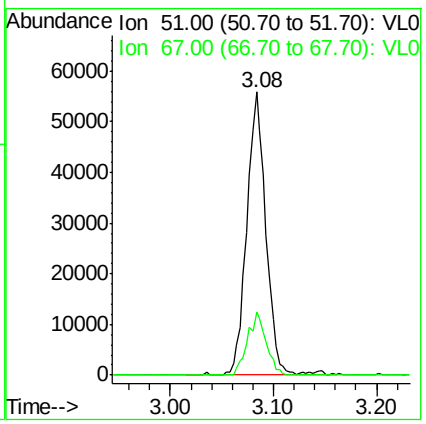


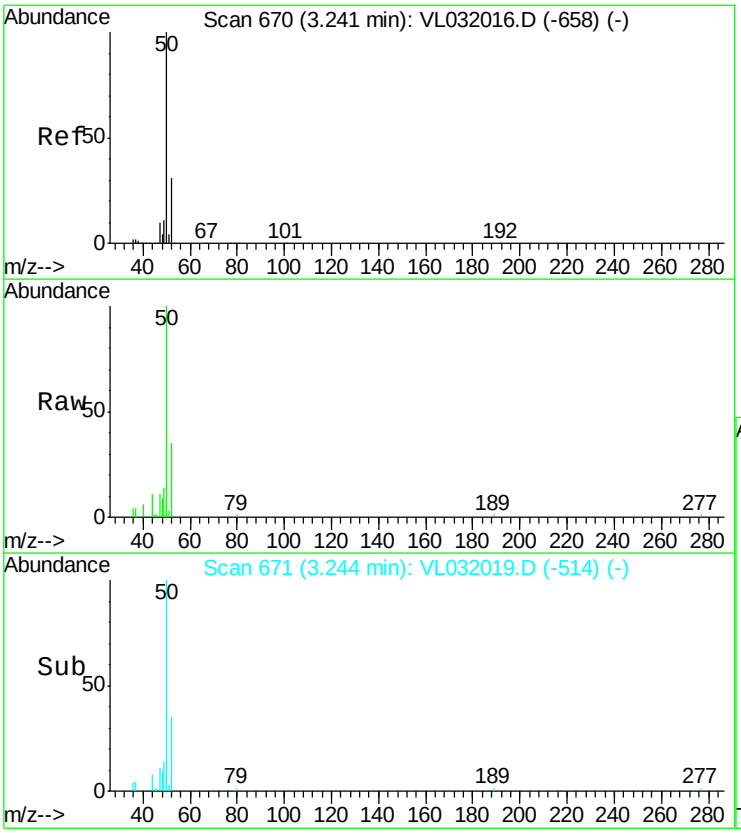
#3
Chlorodifluoromethane
Concen: 0.58 ppbv
RT: 3.08 min Scan# 621
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 72019

Ion	Ratio	Lower	Upper
51	100		
67	21.6	17.2	25.8

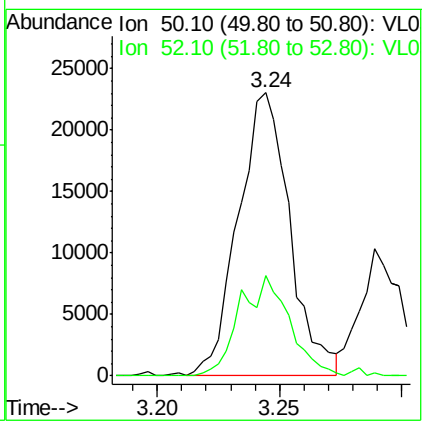


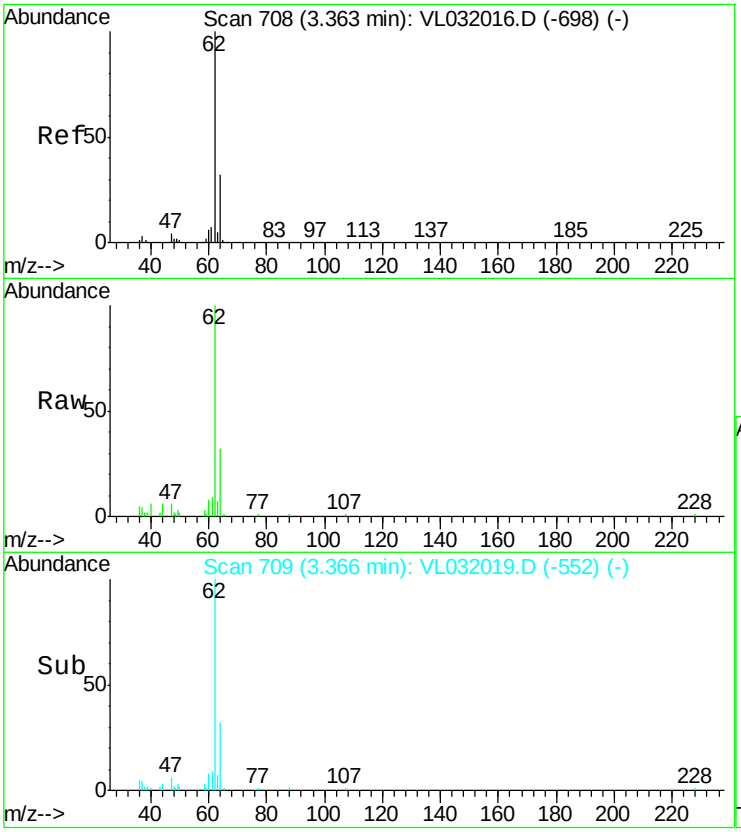


#4
Chloromethane
Concen: 0.52 ppbv
RT: 3.24 min Scan# 671
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 50 Resp: 33725

Ion	Ratio	Lower	Upper
50	100		
52	35.3	25.0	37.6



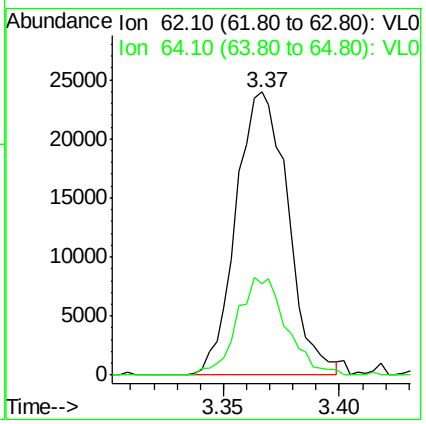


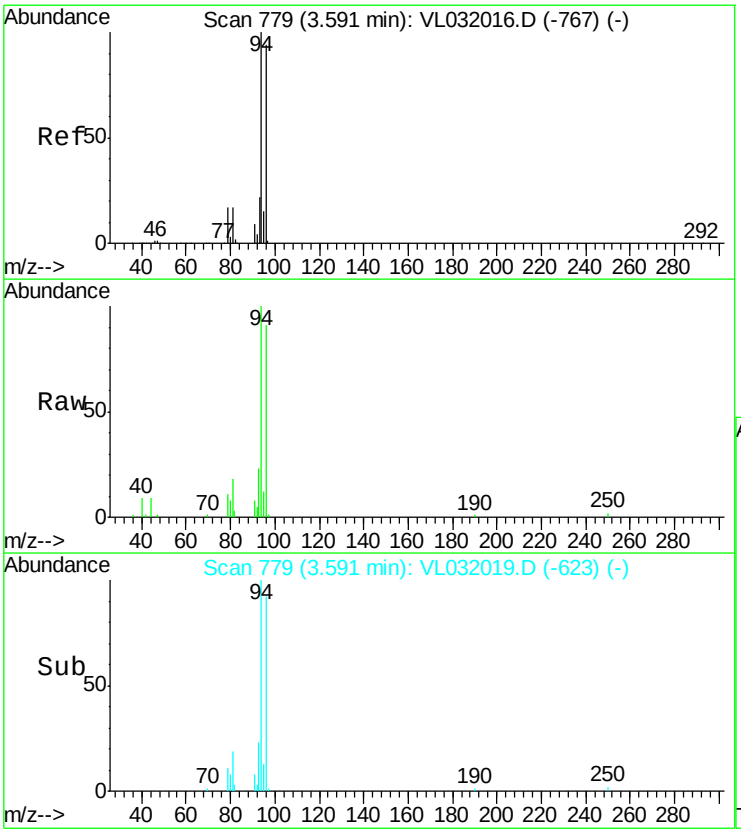
#5
Vinyl Chloride
Concen: 0.50 ppbv
RT: 3.37 min Scan# 709
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 37208

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.2	37.8

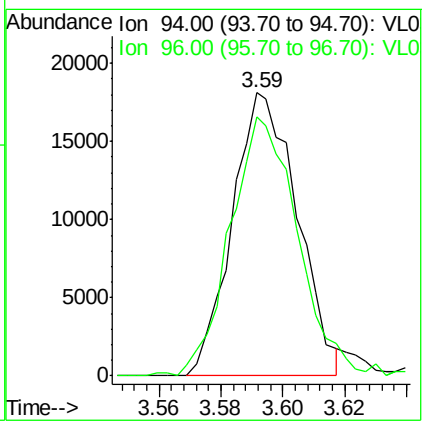


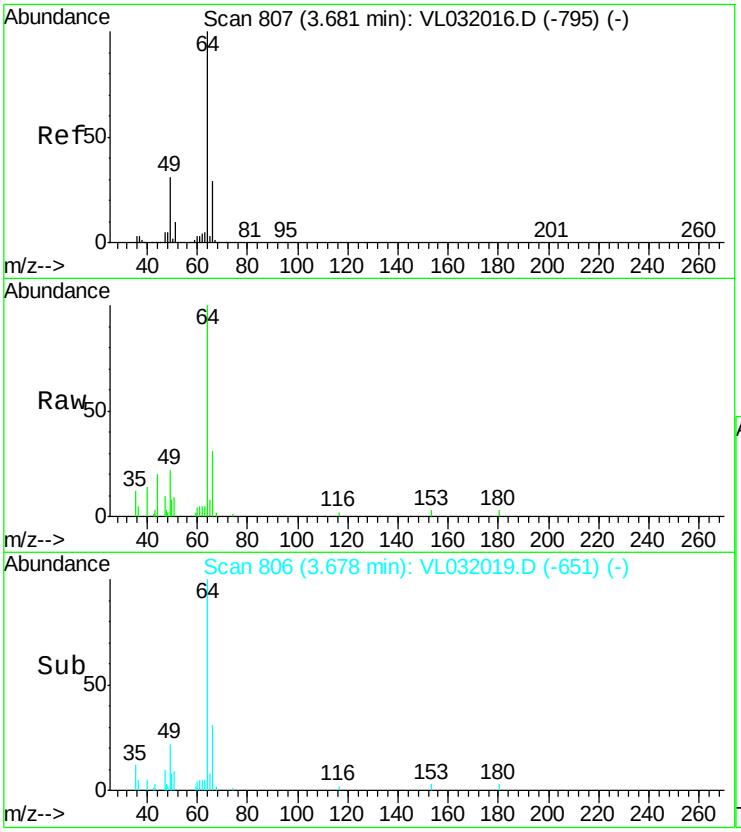


#6
Bromomethane
Concen: 0.55 ppbv
RT: 3.59 min Scan# 779
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 94 Resp: 26331

Ion	Ratio	Lower	Upper
94	100		
96	87.7	75.1	112.7



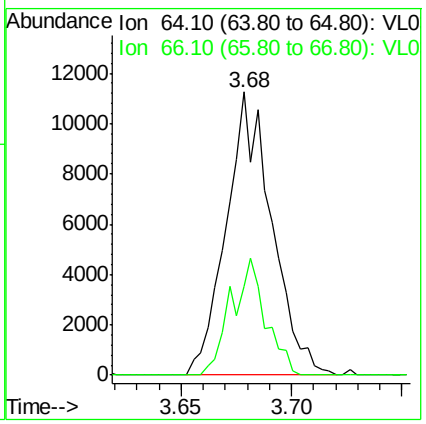


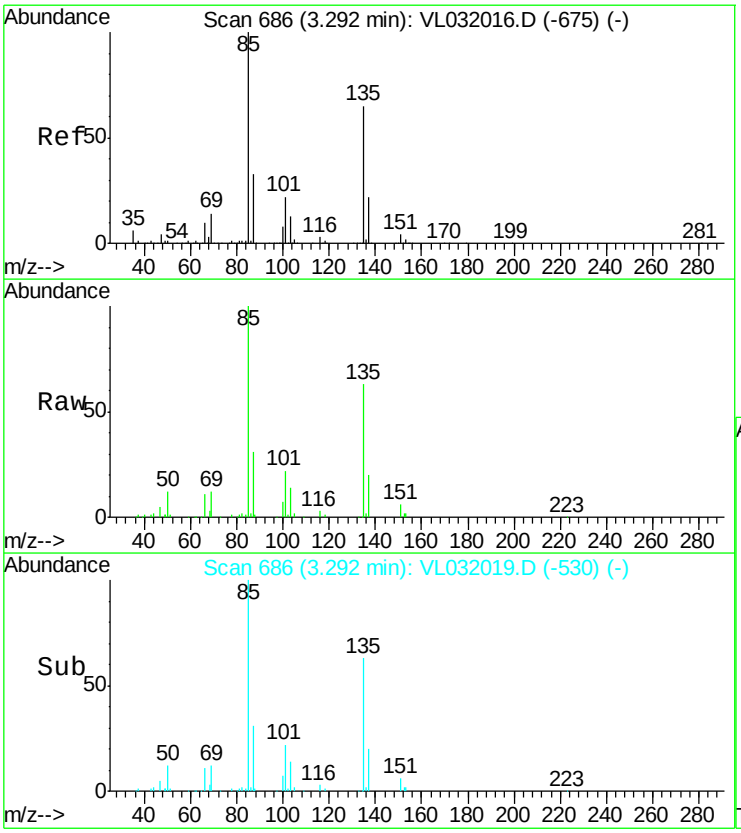
#7
Chloroethane
Concen: 0.57 ppbv
RT: 3.68 min Scan# 806
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 16134

Ion	Ratio	Lower	Upper
64	100		
66	31.4	23.4	35.2

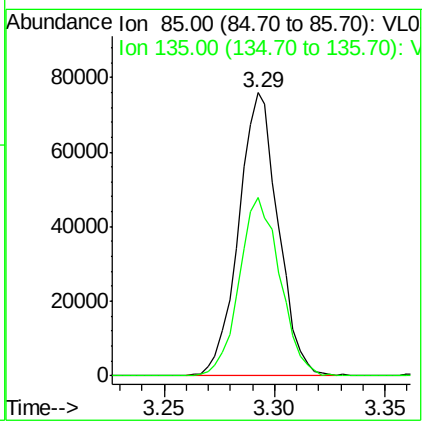


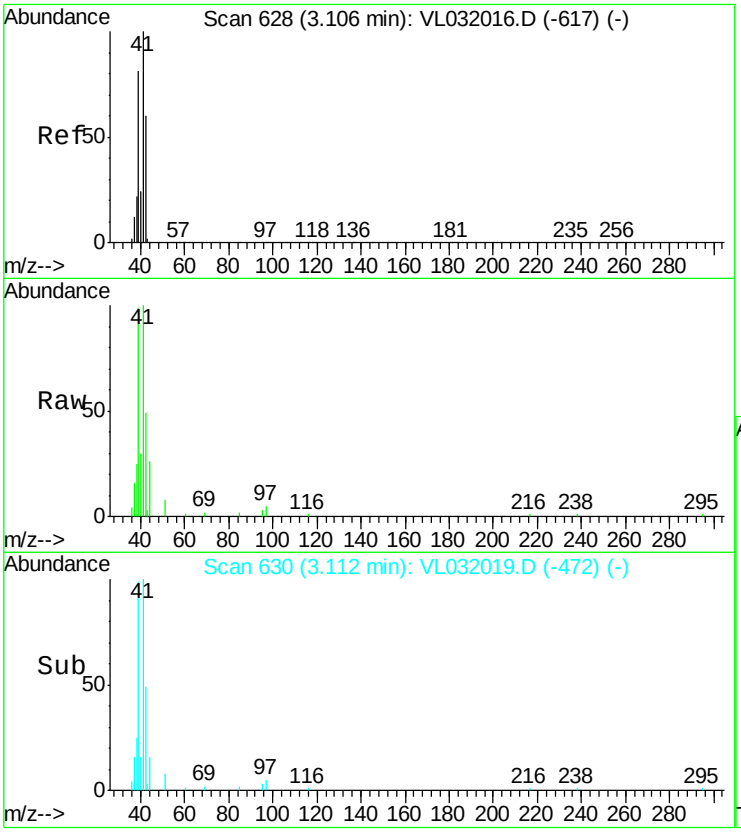


#8
Dichlorotetrafluoroethane
Concen: 0.54 ppbv
RT: 3.29 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 85 Resp: 94760

Ion	Ratio	Lower	Upper
85	100		
135	65.3	52.6	79.0



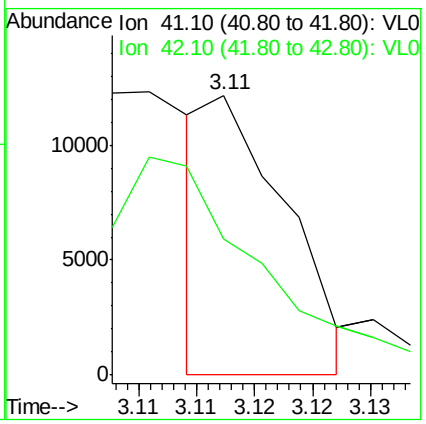


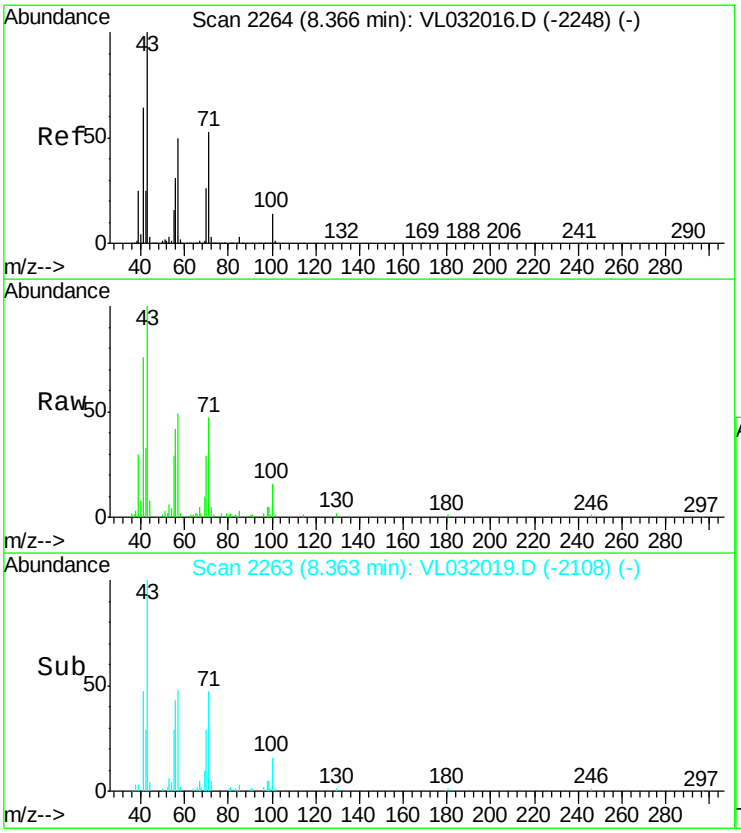
#9
Propene
Concen: 0.13 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 5739

Ion	Ratio	Lower	Upper
41	100		
42	236.4	54.4	81.6#

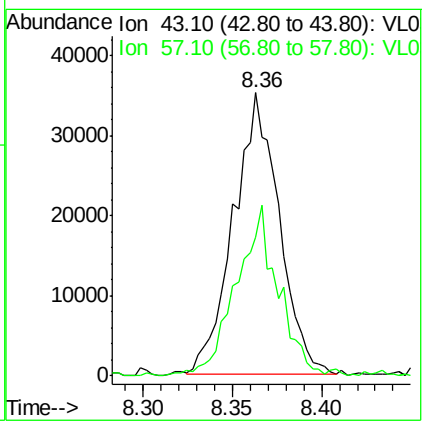


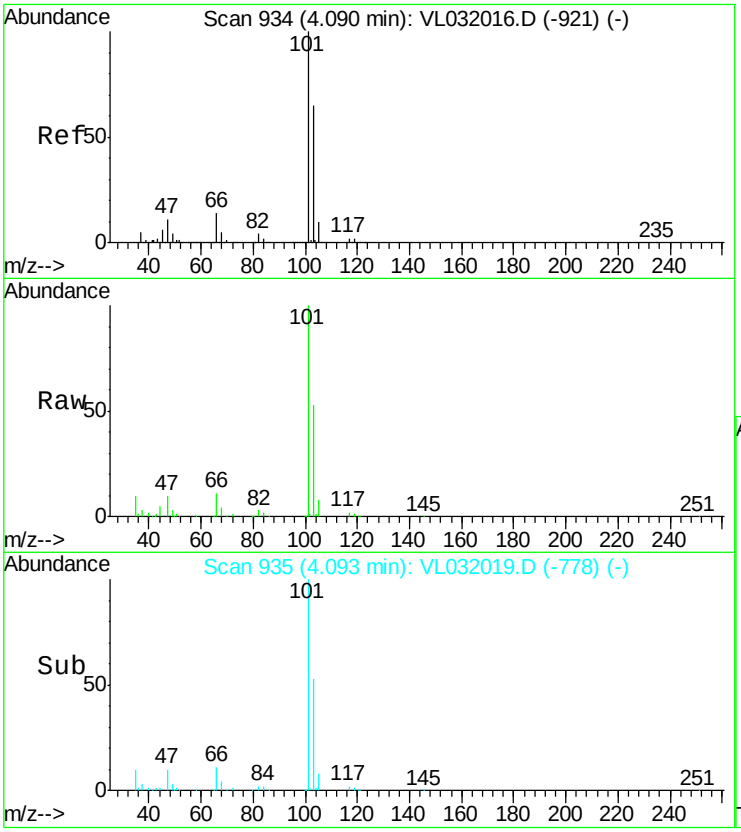


#10
Heptane
Concen: 0.40 ppbv
RT: 8.36 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 43 Resp: 62835

Ion	Ratio	Lower	Upper
43	100		
57	56.3	41.7	62.5



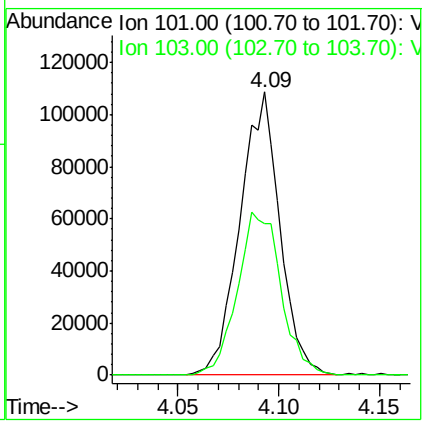


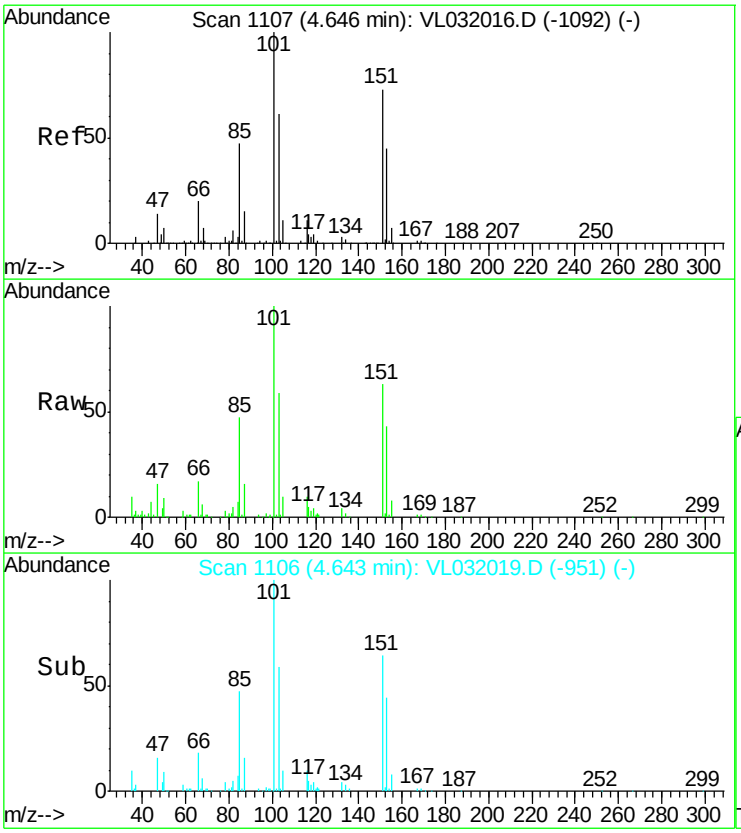
#11
Trichlorofluoromethane
Concen: 0.70 ppbv
RT: 4.09 min Scan# 935
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 150716

Ion	Ratio	Lower	Upper
101	100		
103	53.4	52.0	78.0

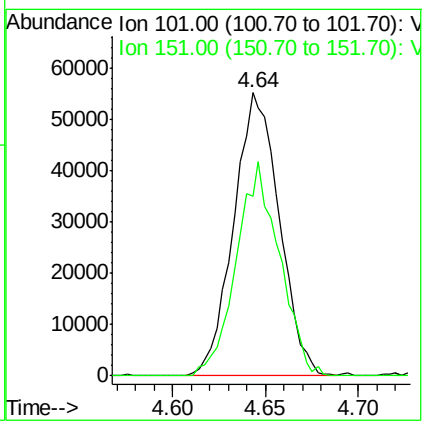


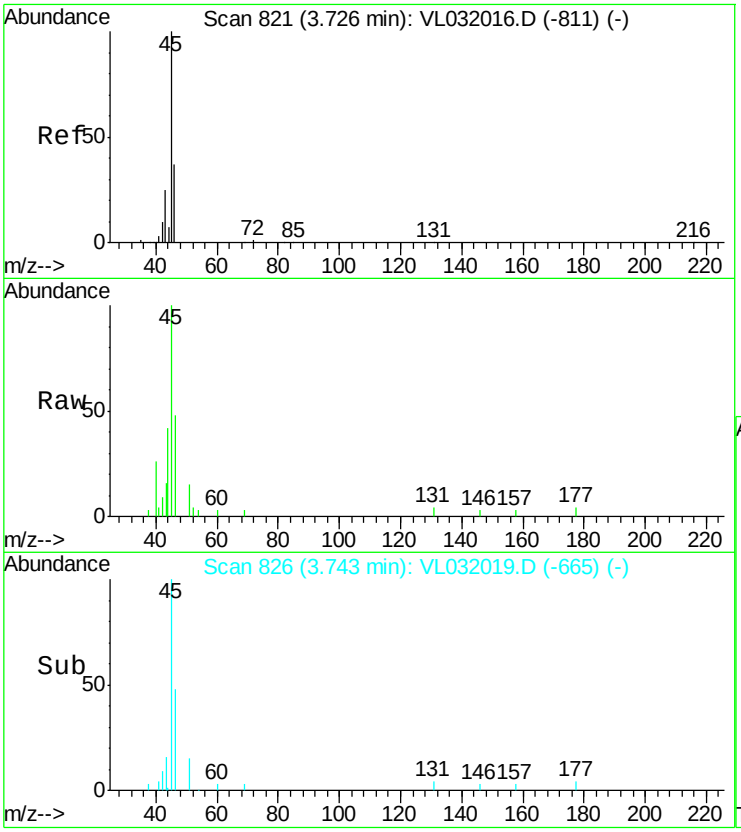


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.61 ppbv
RT: 4.64 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:101 Resp: 94217

Ion	Ratio	Lower	Upper
101	100		
151	71.2	58.2	87.4



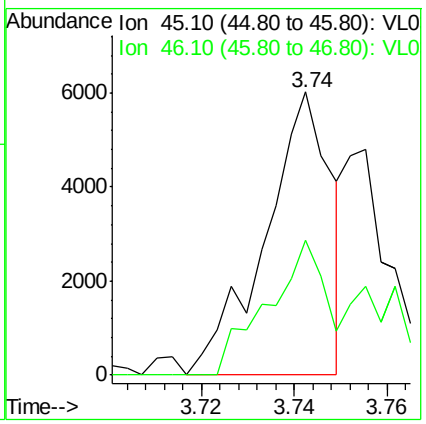


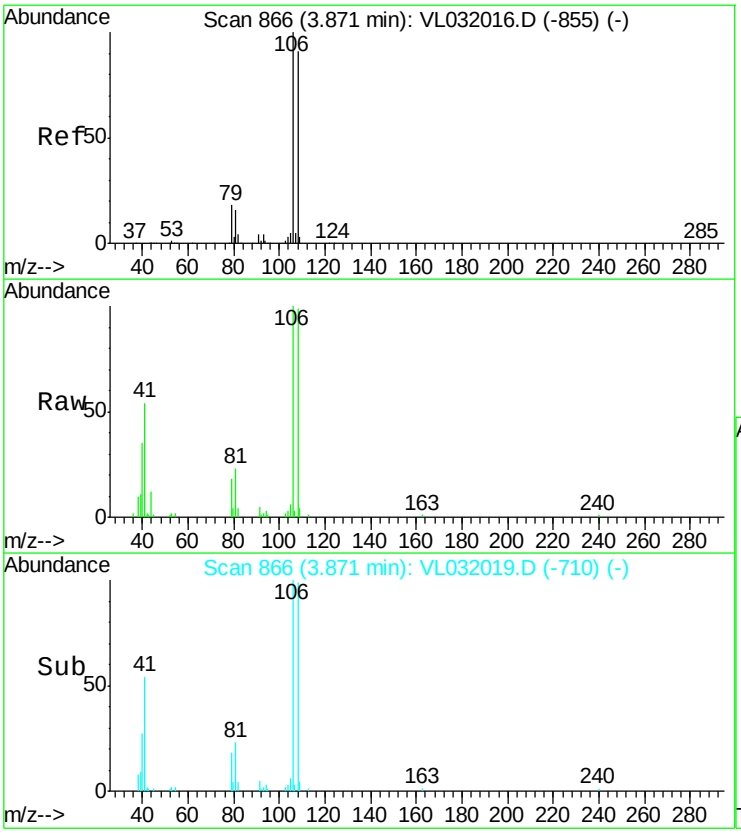
#13
Ethanol
Concen: 0.35 ppbv
RT: 3.74 min Scan# 826
Delta R.T. 0.02 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 5951

Ion	Ratio	Lower	Upper
45	100		
46	71.5	14.9	59.5#

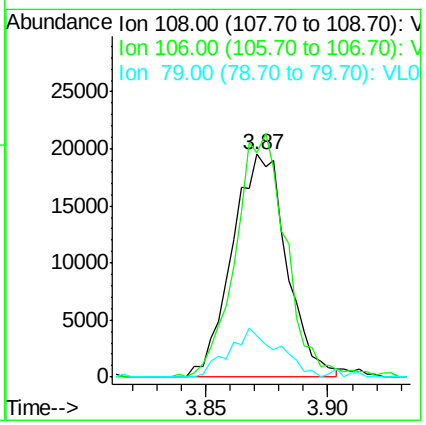


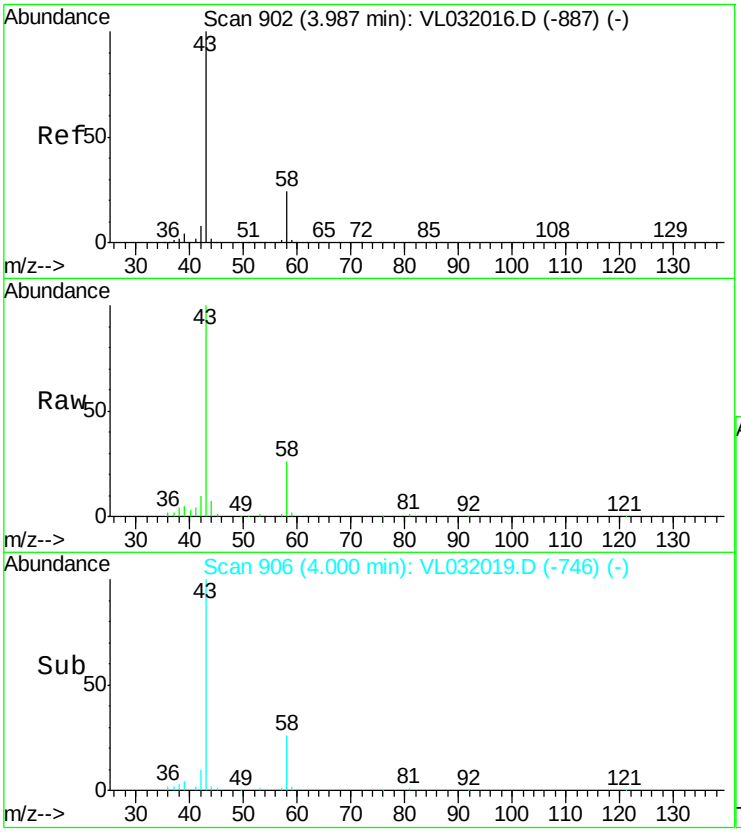


#14
Bromoethene
Concen: 0.55 ppbv
RT: 3.87 min Scan# 866
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:108 Resp: 30330

Ion	Ratio	Lower	Upper
108	100		
106	101.7	85.1	127.7
79	21.1	15.2	22.8



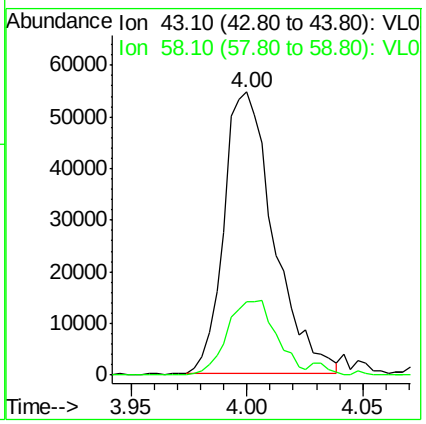


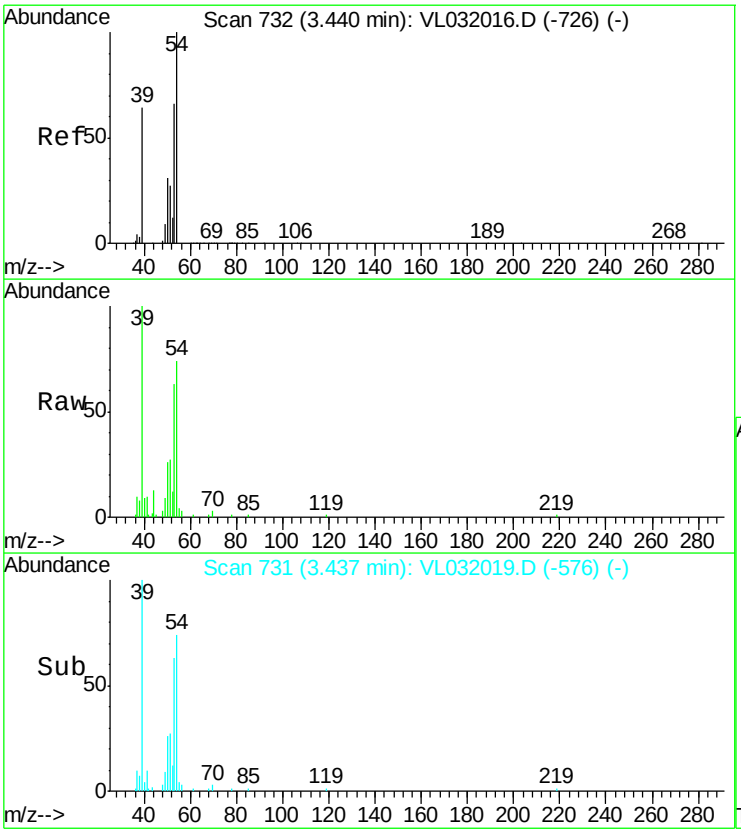
#15
Acetone
Concen: 0.44 ppbv
RT: 4.00 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 81774

Ion	Ratio	Lower	Upper
43	100		
58	27.8	20.7	31.1

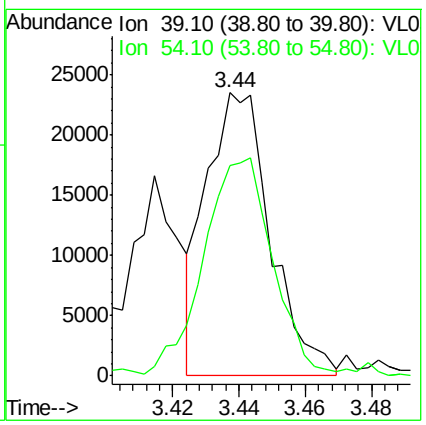


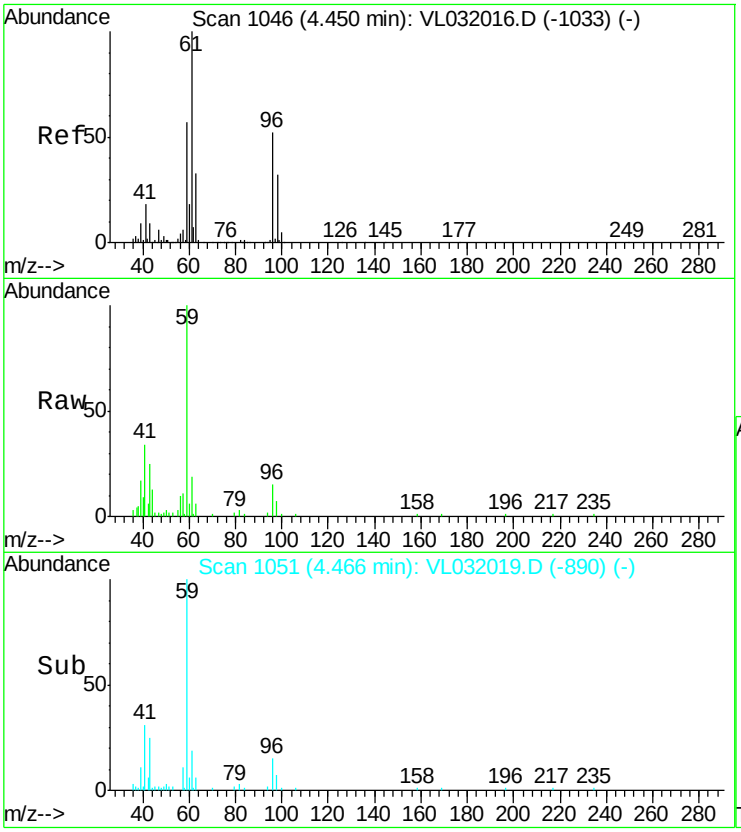


#16
1,3-Butadiene
Concen: 0.53 ppbv
RT: 3.44 min Scan# 731
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 39 Resp: 31660

Ion	Ratio	Lower	Upper
39	100		
54	84.9	65.7	98.5



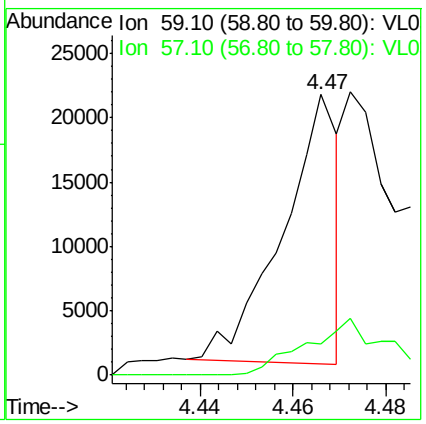


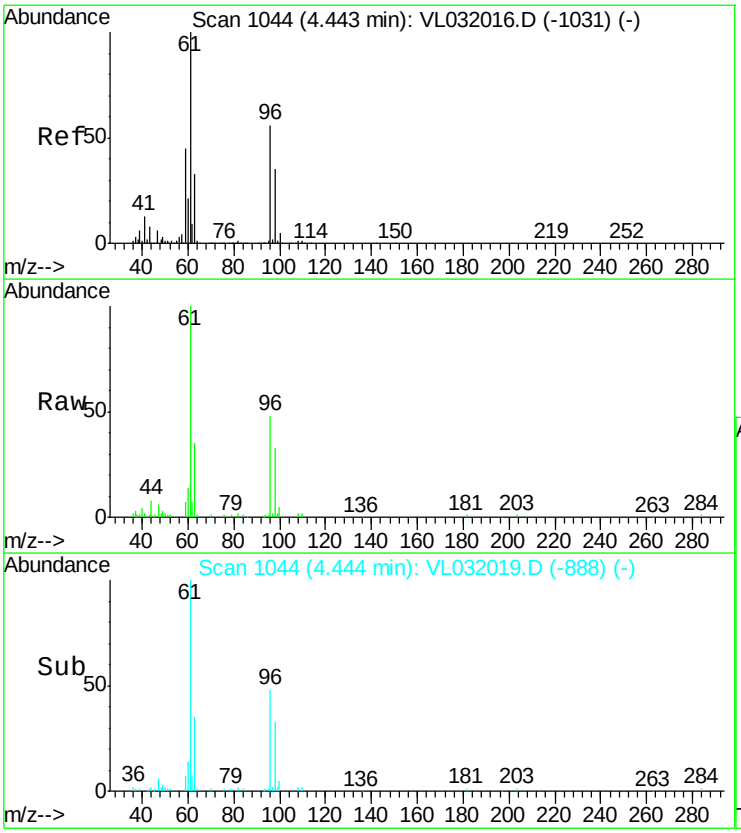
#17
tert-Butyl alcohol
Concen: 0.22 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. 0.02 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 59 Resp: 17395

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

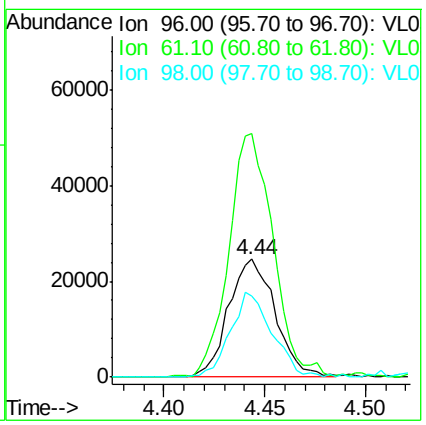


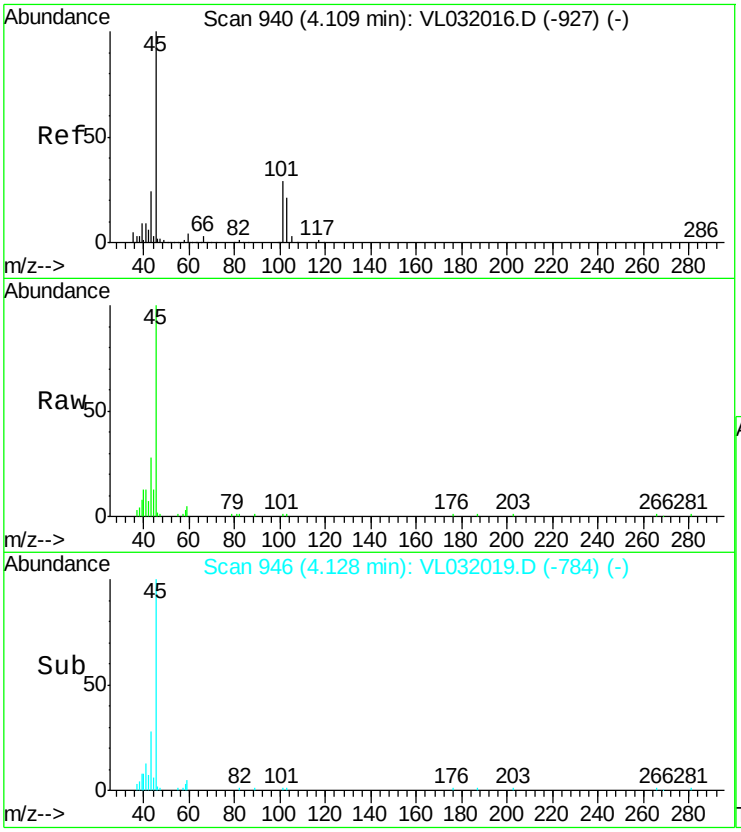


#18
1,1-Dichloroethene
Concen: 0.60 ppbv
RT: 4.44 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 96 Resp: 39906

Ion	Ratio	Lower	Upper
96	100		
61	205.6	143.5	215.3
98	69.2	50.0	75.0



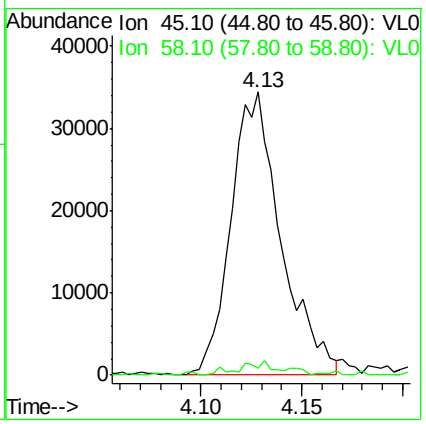


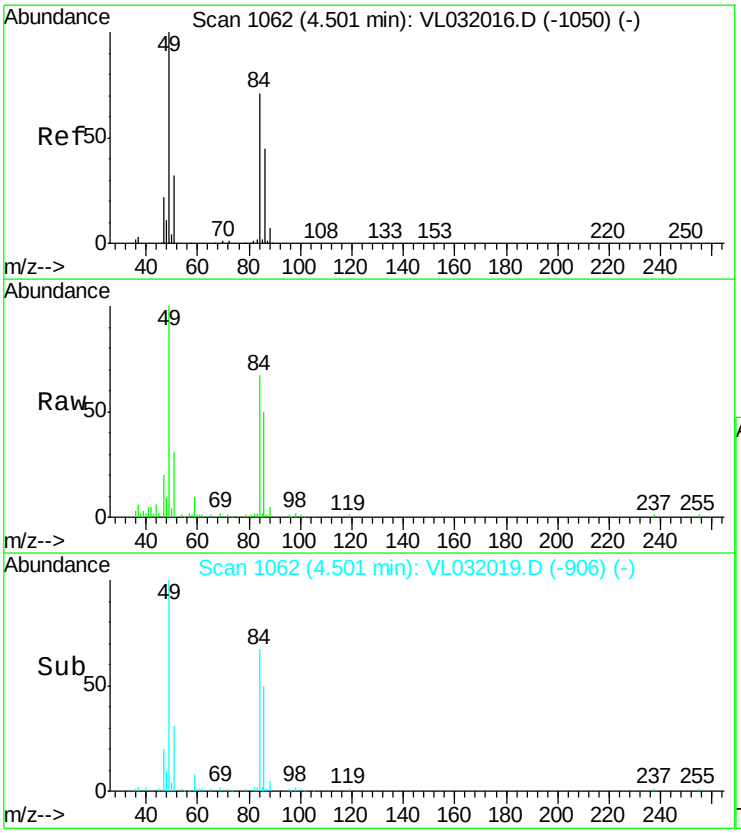
#19
Isopropyl Alcohol
Concen: 0.58 ppbv
RT: 4.13 min Scan# 946
Delta R.T. 0.02 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 59642

Ion	Ratio	Lower	Upper
45	100		
58	4.9	1.5	2.3#

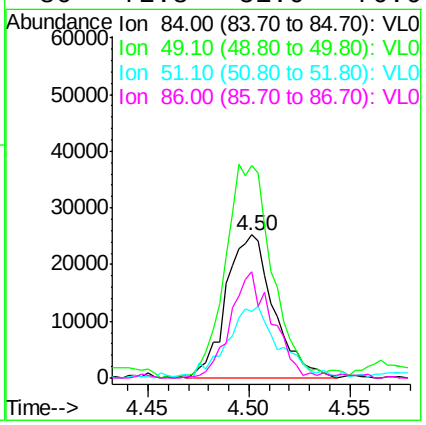


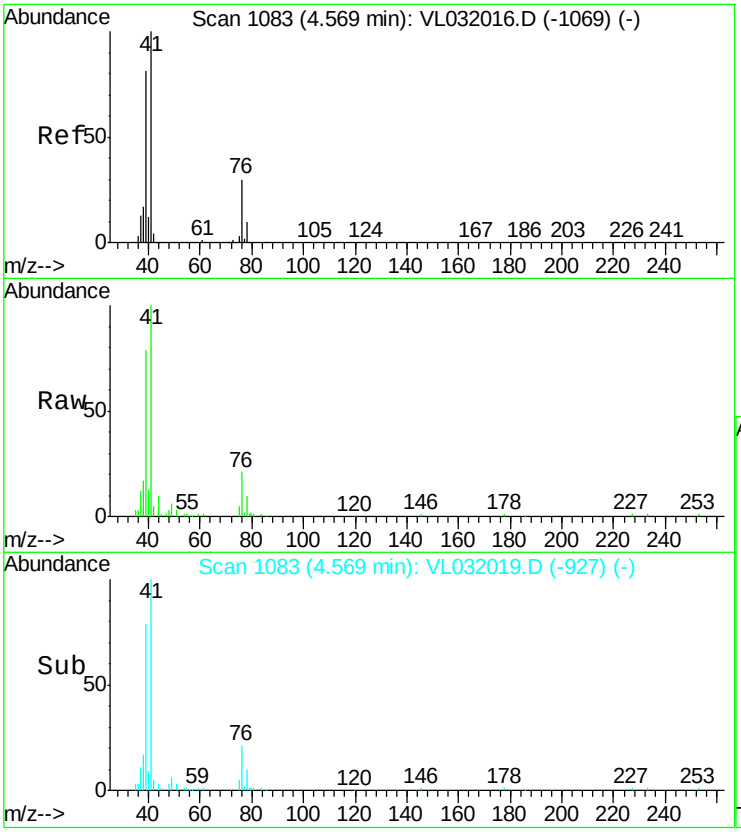


#20
Methylene Chloride
Concen: 0.65 ppbv
RT: 4.50 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 84 Resp: 41726

Ion	Ratio	Lower	Upper
84	100		
49	146.1	113.0	169.4
51	45.4	36.4	54.6
86	72.8	51.0	76.6



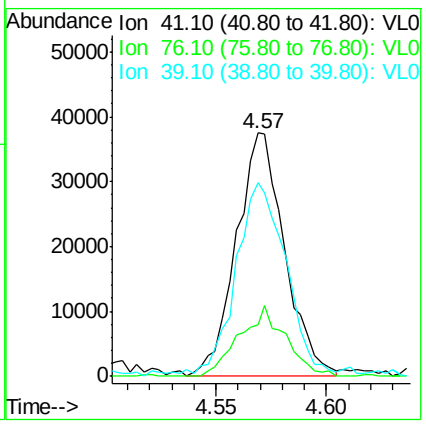


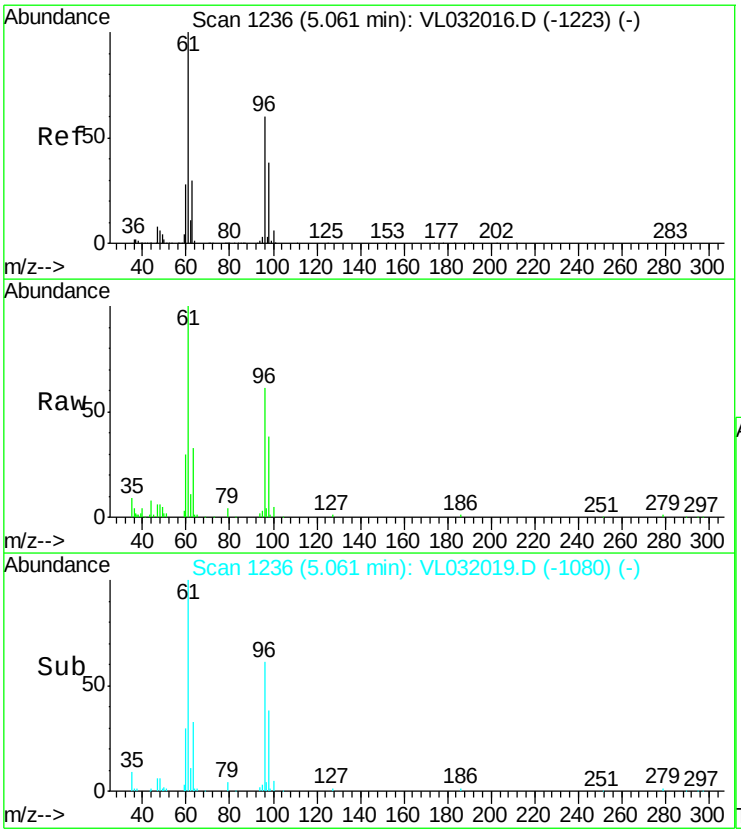
#21
Allyl Chloride
Concen: 0.53 ppbv
RT: 4.57 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 41 Resp: 57010

Ion	Ratio	Lower	Upper
41	100		
76	27.8	23.9	35.9
39	86.1	65.9	98.9

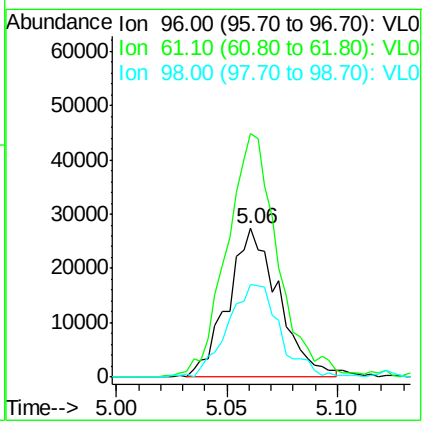


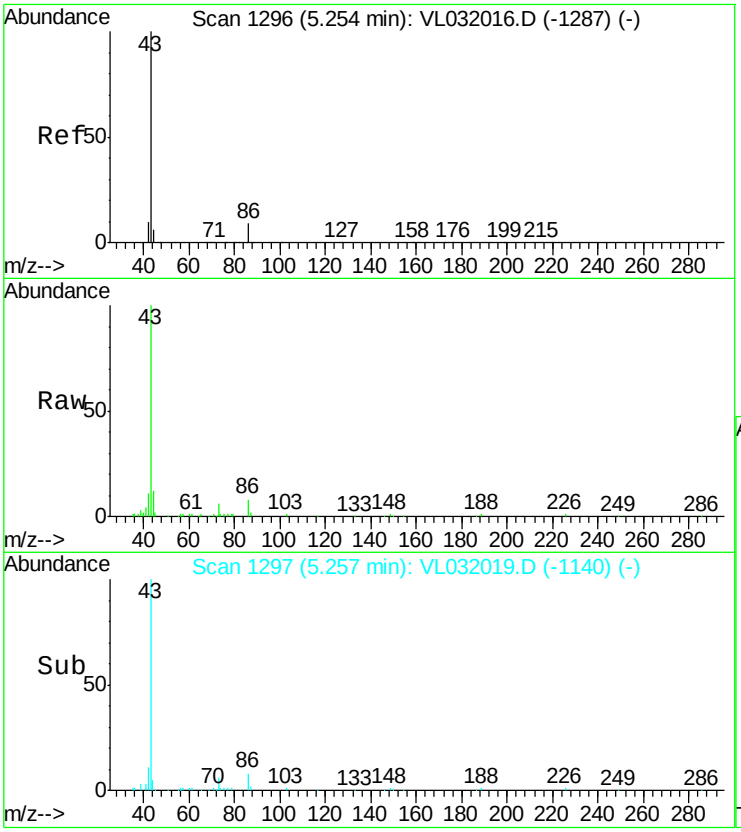


#22
trans-1,2-Dichloroethene
Concen: 0.59 ppbv
RT: 5.06 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 96 Resp: 43792

Ion	Ratio	Lower	Upper
96	100		
61	160.2	133.3	199.9
98	60.5	51.0	76.4



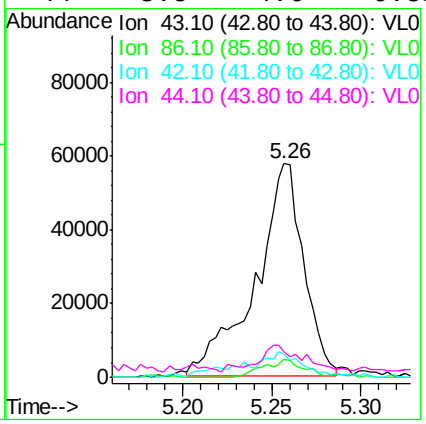


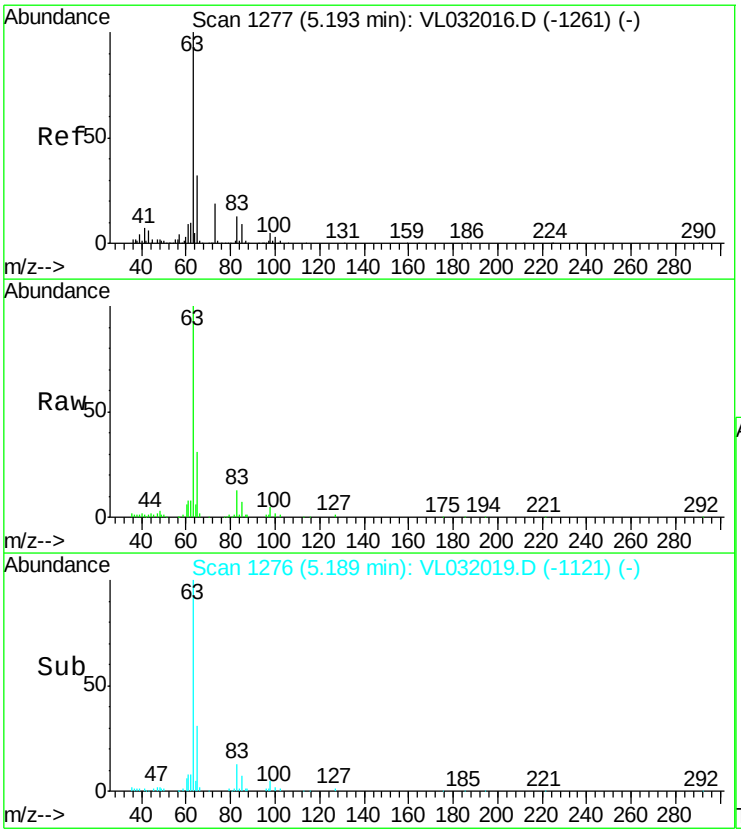
#23
Vinyl Acetate
Concen: 0.50 ppbv
RT: 5.26 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 108551

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.4
42	10.4	8.7	13.1
44	8.5	4.6	6.8#

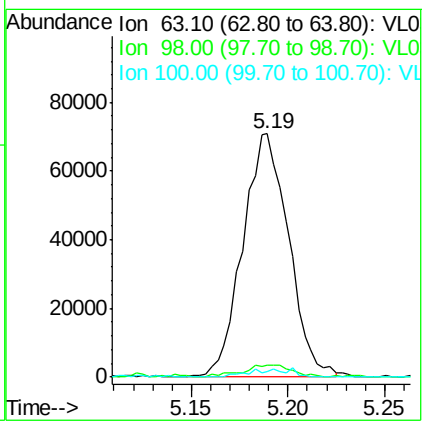


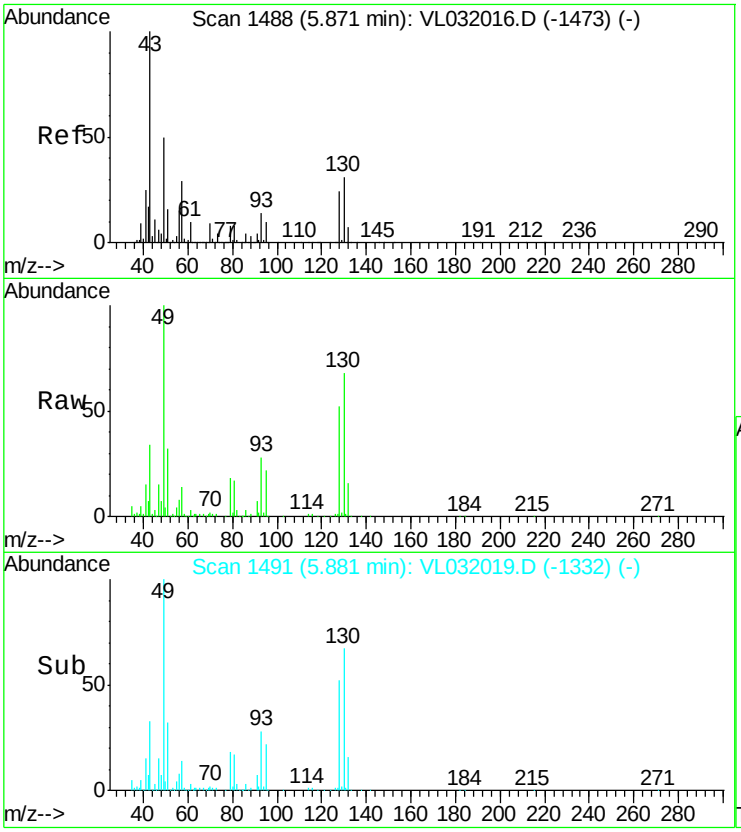


#24
1,1-Dichloroethane
Concen: 0.57 ppbv
RT: 5.19 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 63 Resp: 116766

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.1
100	2.2	1.5	4.5



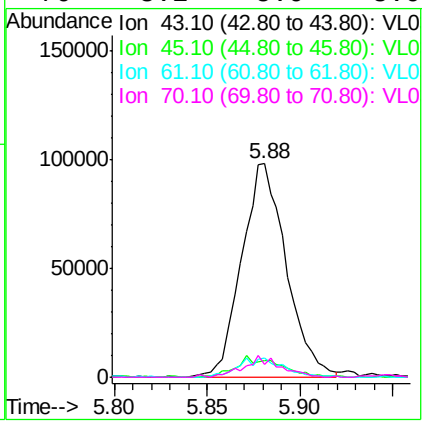


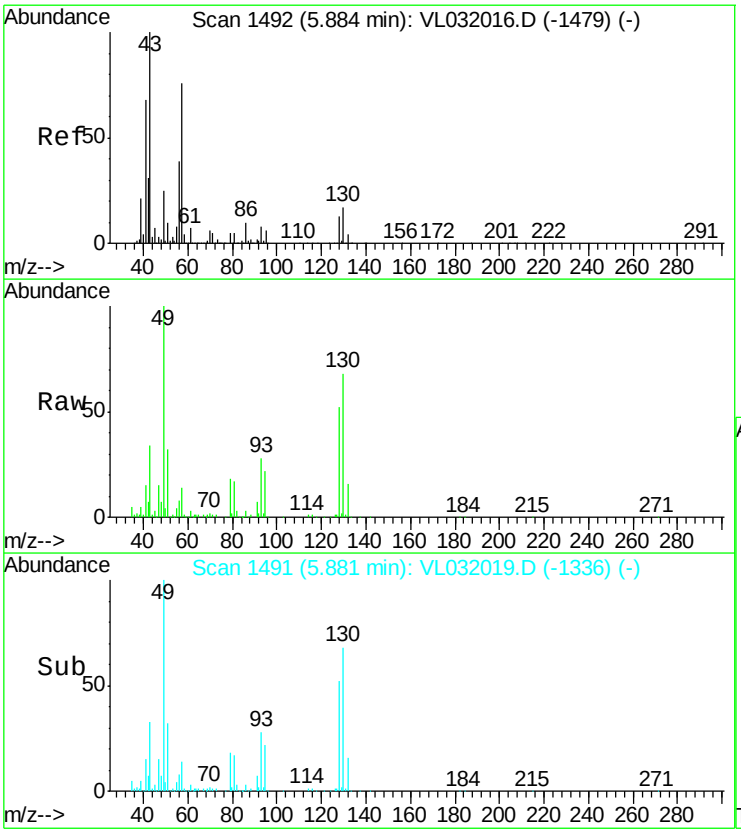
#25
Ethyl Acetate
Concen: 0.51 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. 0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 164387

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.6
61	9.0	7.4	11.2
70	8.2	5.9	8.9

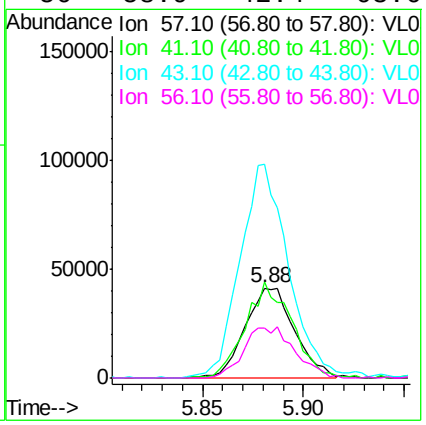


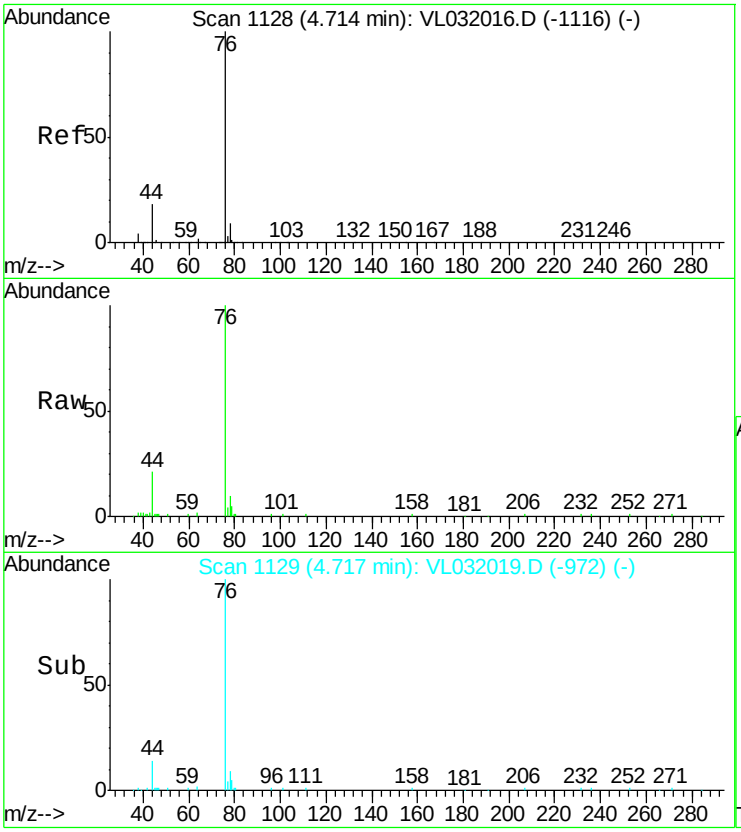


#26
Hexane
Concen: 0.46 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 57 Resp: 70802

Ion	Ratio	Lower	Upper
57	100		
41	101.8	71.4	107.2
43	235.8	168.6	252.8
56	58.9	42.4	63.6



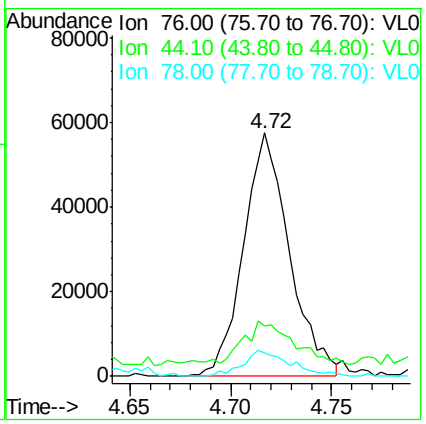


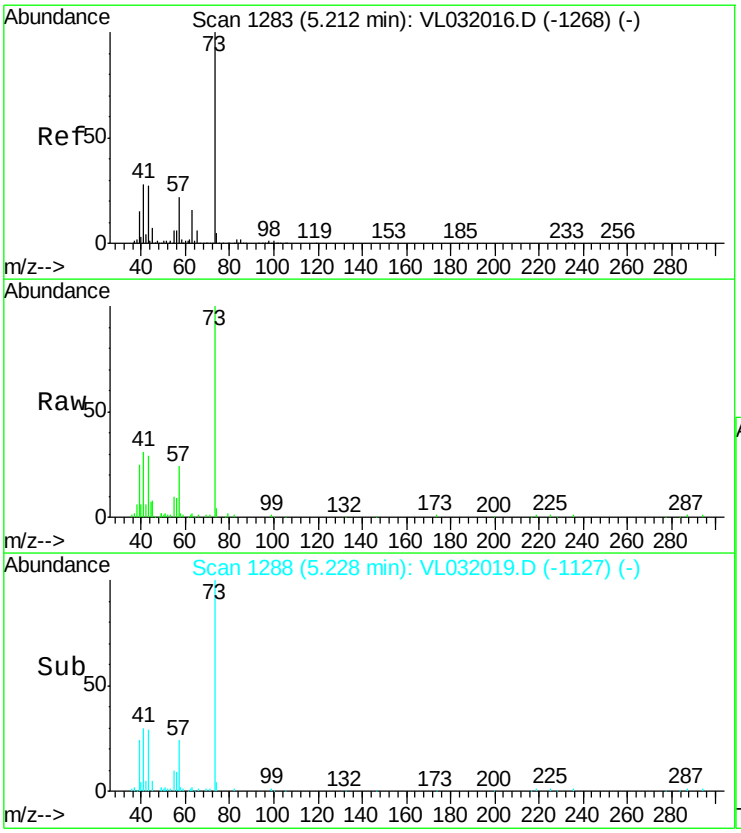
#27
Carbon Disulfide
Concen: 0.52 ppbv
RT: 4.72 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 76 Resp: 91653

Ion	Ratio	Lower	Upper
76	100		
44	25.5	14.9	22.3#
78	11.3	7.6	11.4

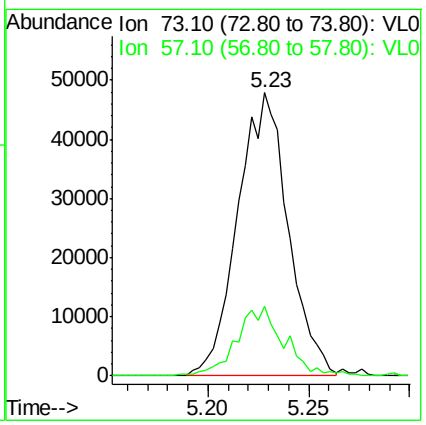


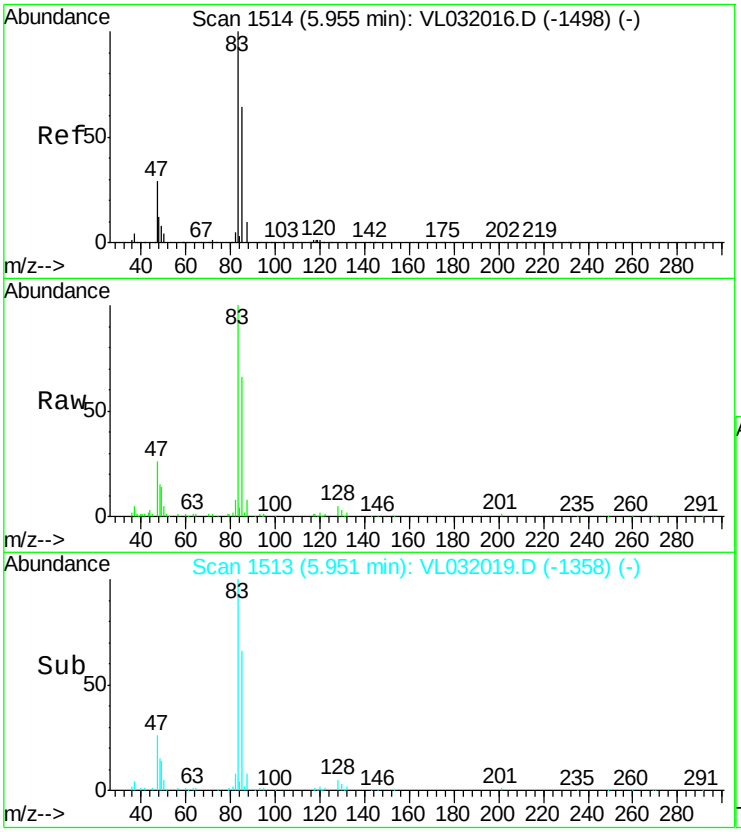


#28
Methyl tert-Butyl Ether
Concen: 0.45 ppbv
RT: 5.23 min Scan# 1288
Delta R.T. 0.02 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 73 Resp: 83800

Ion	Ratio	Lower	Upper
73	100		
57	23.3	17.8	26.8



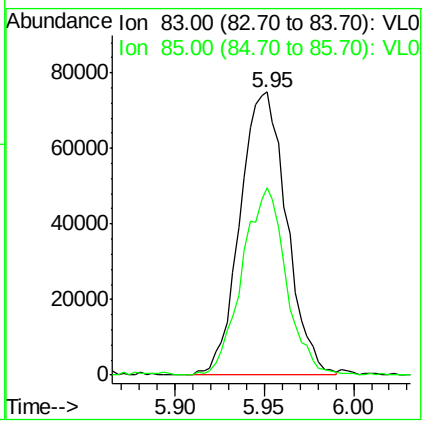


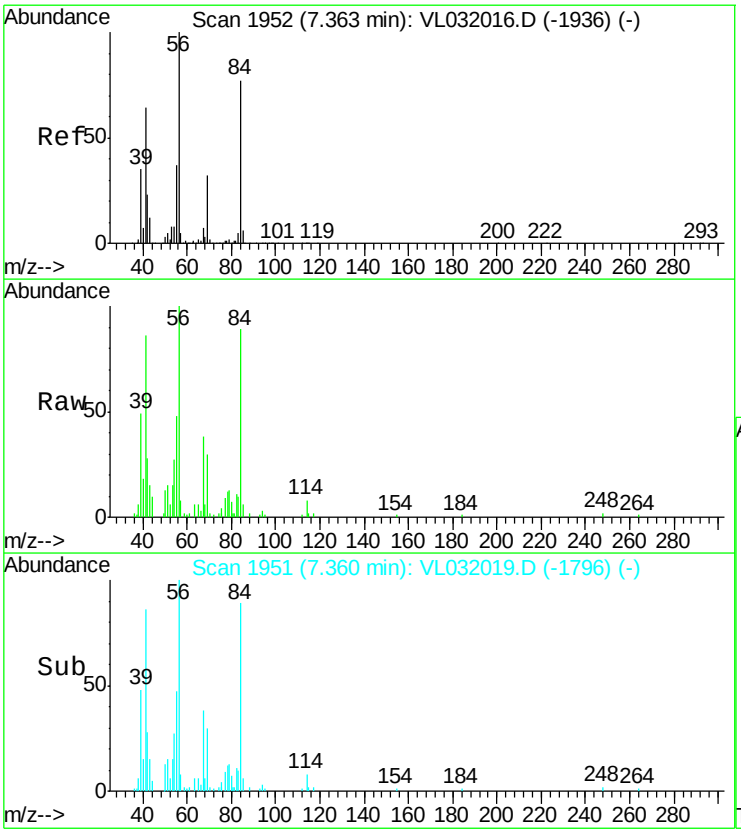
#29
Chloroform
Concen: 0.56 ppbv
RT: 5.95 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 136842

Ion	Ratio	Lower	Upper
83	100		
85	66.8	50.9	76.3

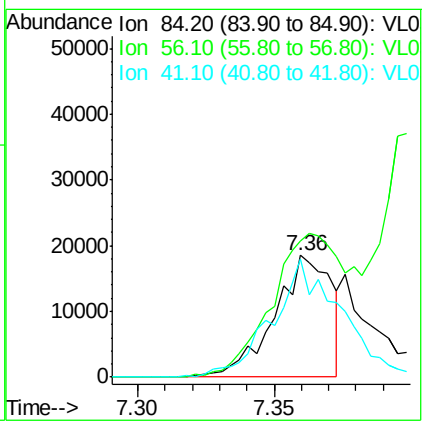


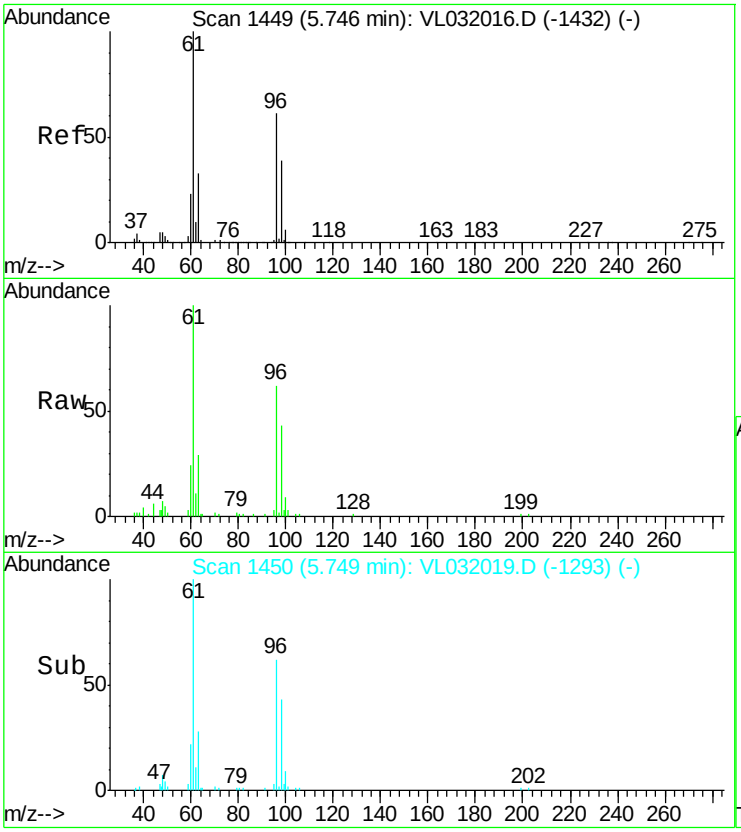


#30
Cyclohexane
Concen: 0.26 ppbv
RT: 7.36 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 84 Resp: 26709

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.6	162.8#
41	120.3	66.8	100.2#



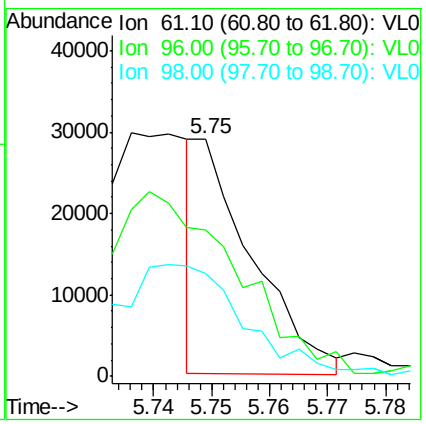


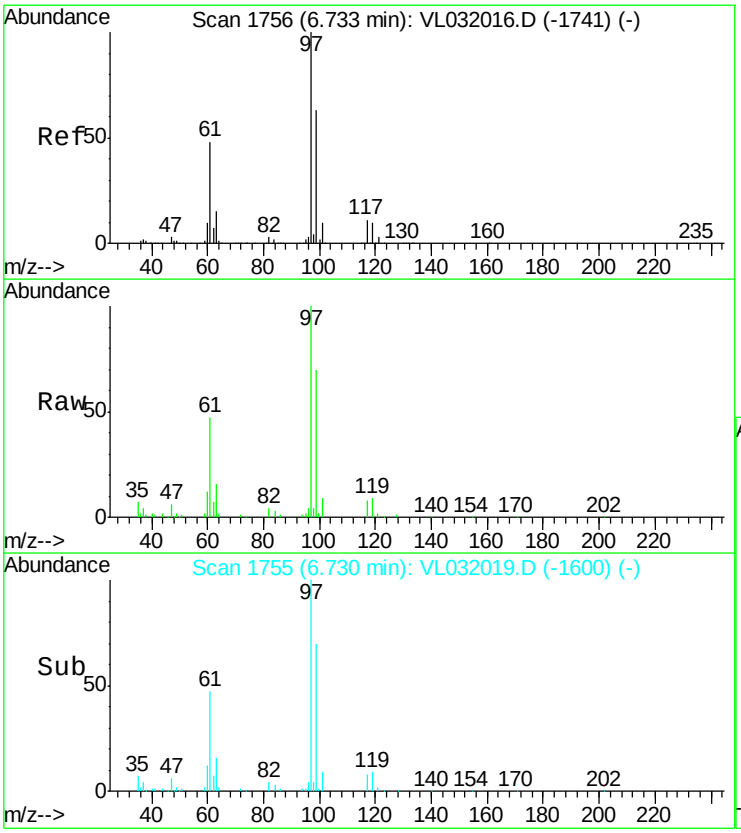
#31
cis-1,2-Dichloroethene
Concen: 0.14 ppbv
RT: 5.75 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 61 Resp: 19055

Ion	Ratio	Lower	Upper
61	100		
96	56.0	49.0	73.6
98	44.0	31.2	46.8

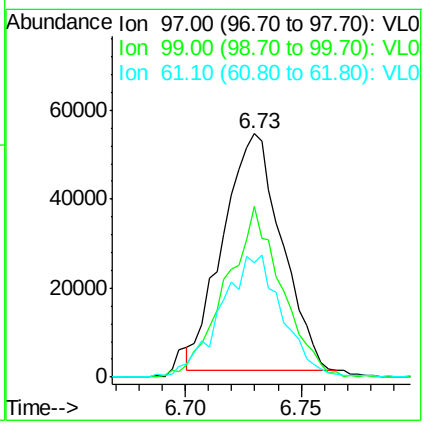


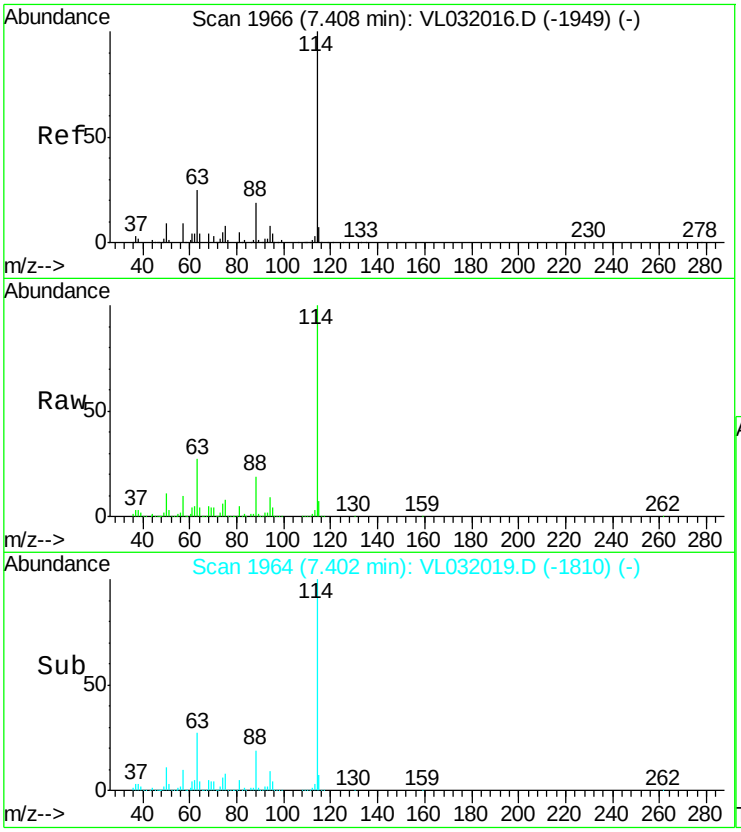


#32
1,1,1-Trichloroethane
Concen: 0.42 ppbv
RT: 6.73 min Scan# 1755
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 97 Resp: 93179

Ion	Ratio	Lower	Upper
97	100		
99	69.3	51.5	77.3
61	54.7	39.4	59.2



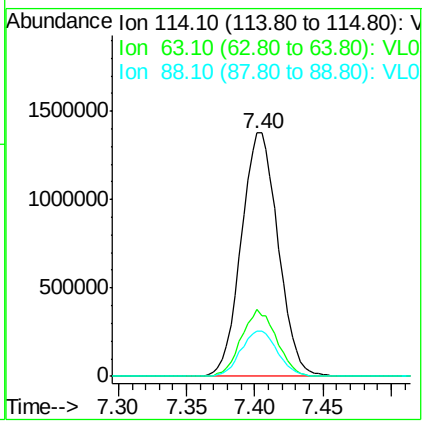


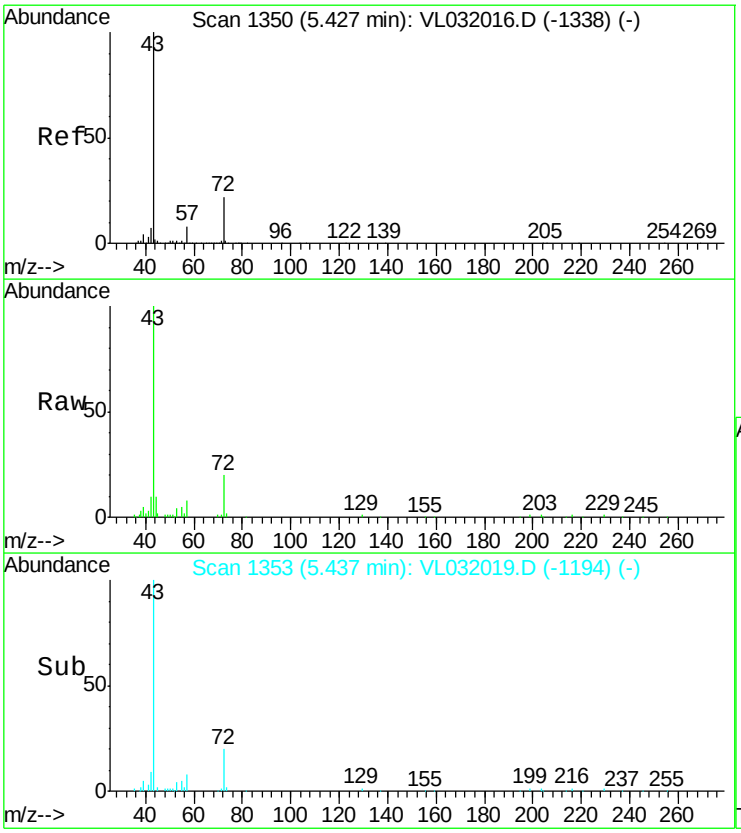
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.40 min Scan# 1964
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 2583958

Ion	Ratio	Lower	Upper
114	100		
63	26.3	21.1	31.7
88	18.6	14.8	22.2

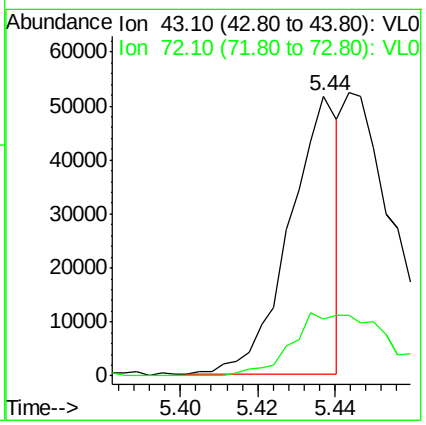


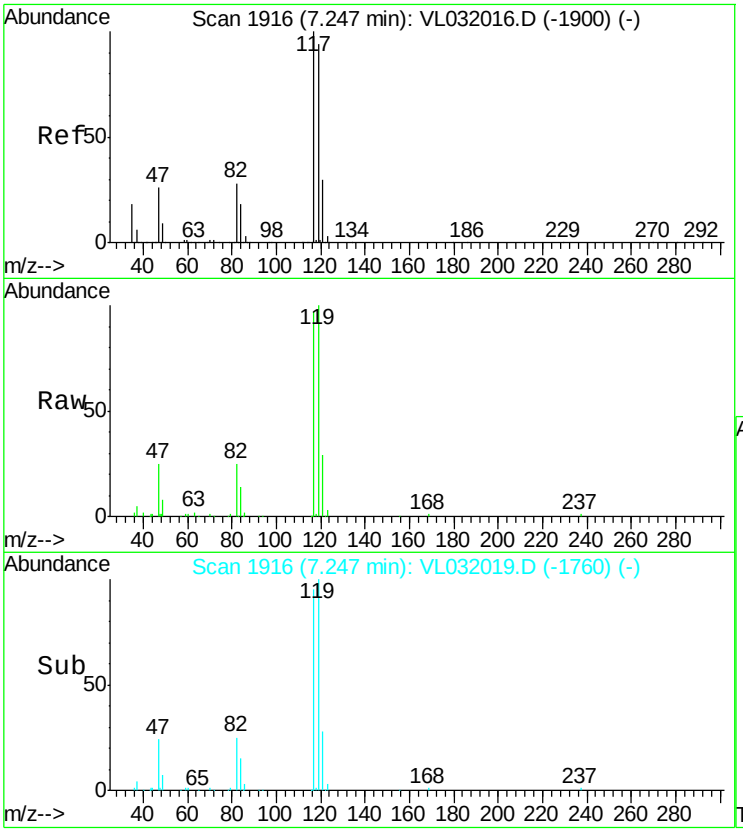


#34
2-Butanone
Concen: 0.21 ppbv
RT: 5.44 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 43 Resp: 45191

Ion	Ratio	Lower	Upper
43	100		
72	47.7	18.6	27.8#



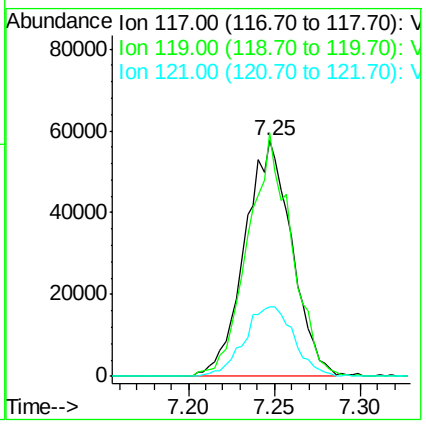


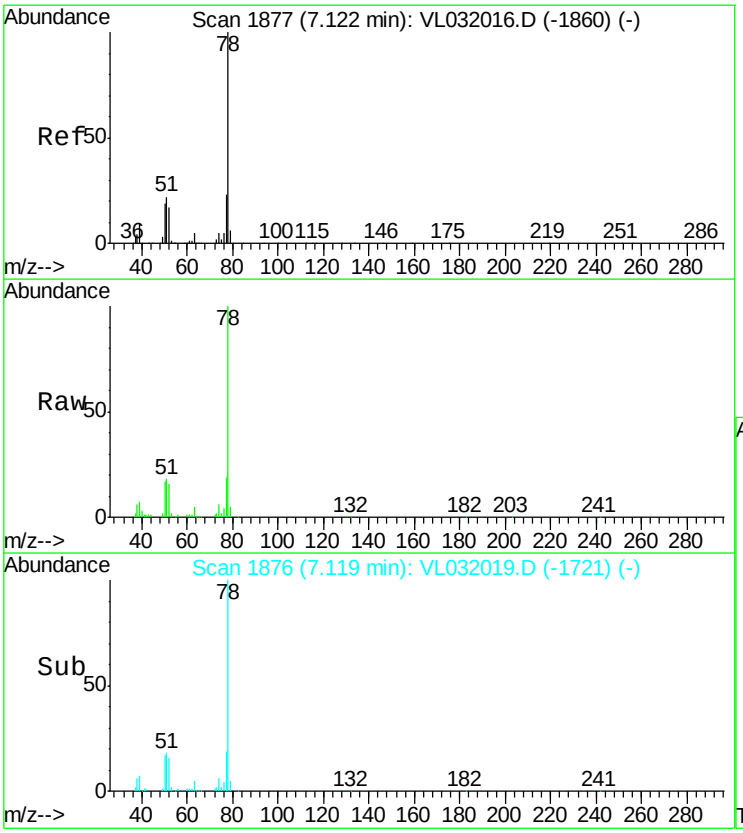
#35
Carbon Tetrachloride
Concen: 0.53 ppbv
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:117 Resp: 109525

Ion	Ratio	Lower	Upper
117	100		
119	103.3	75.3	112.9
121	29.7	24.1	36.1

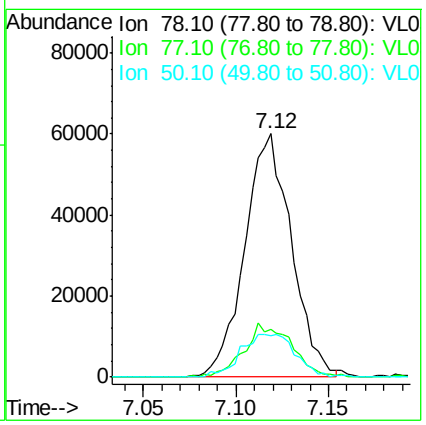


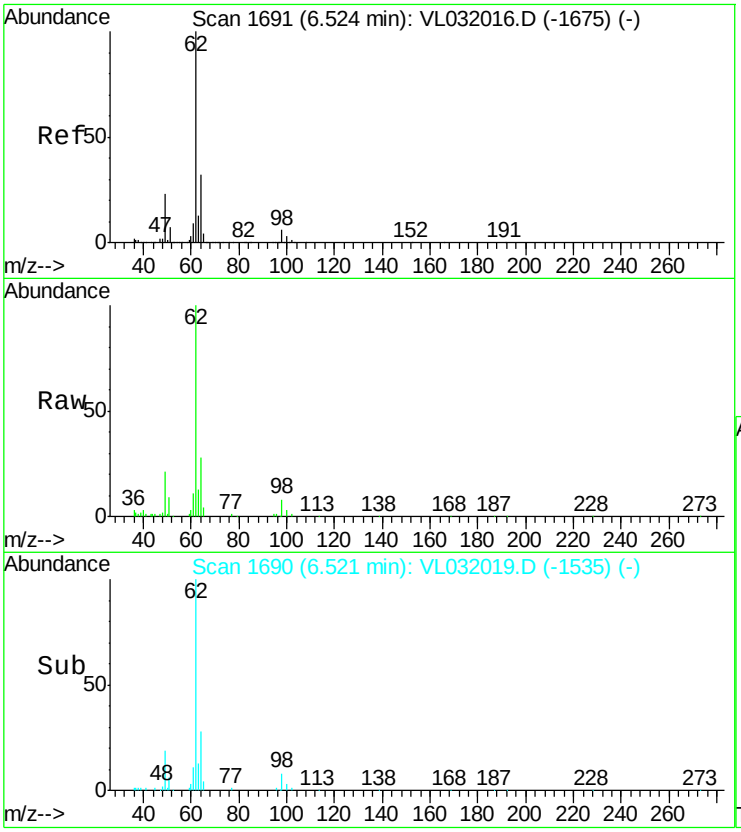


#36
Benzene
Concen: 0.43 ppbv
RT: 7.12 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 78 Resp: 105066

Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.1	27.1
50	16.7	14.9	22.3



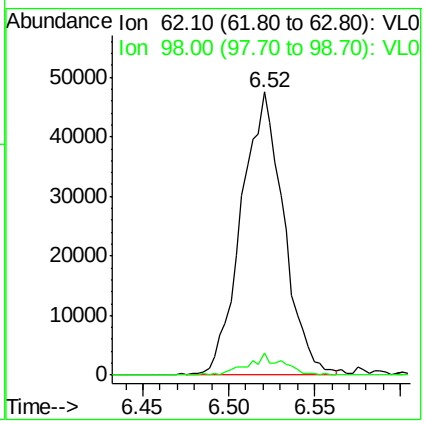


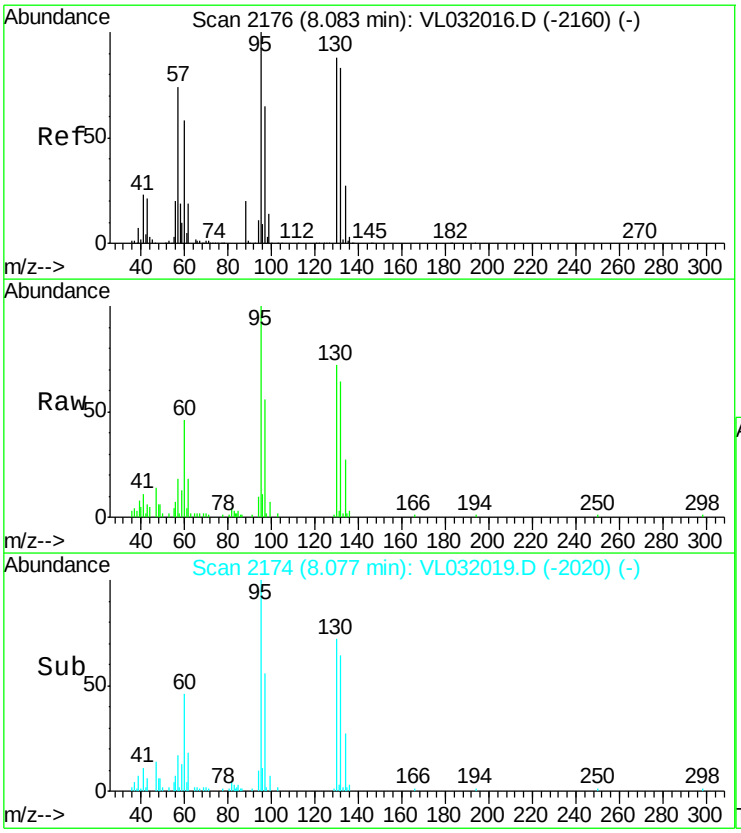
#37
1,2-Dichloroethane
Concen: 0.47 ppbv
RT: 6.52 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 62 Resp: 81236

Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.2	6.4

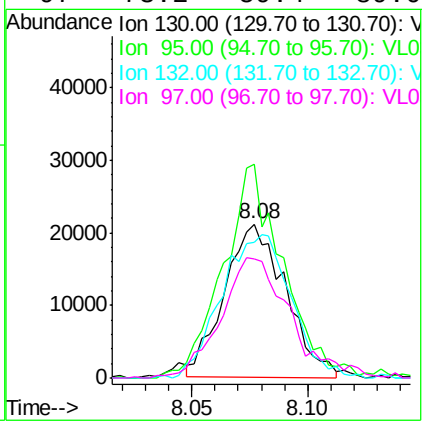


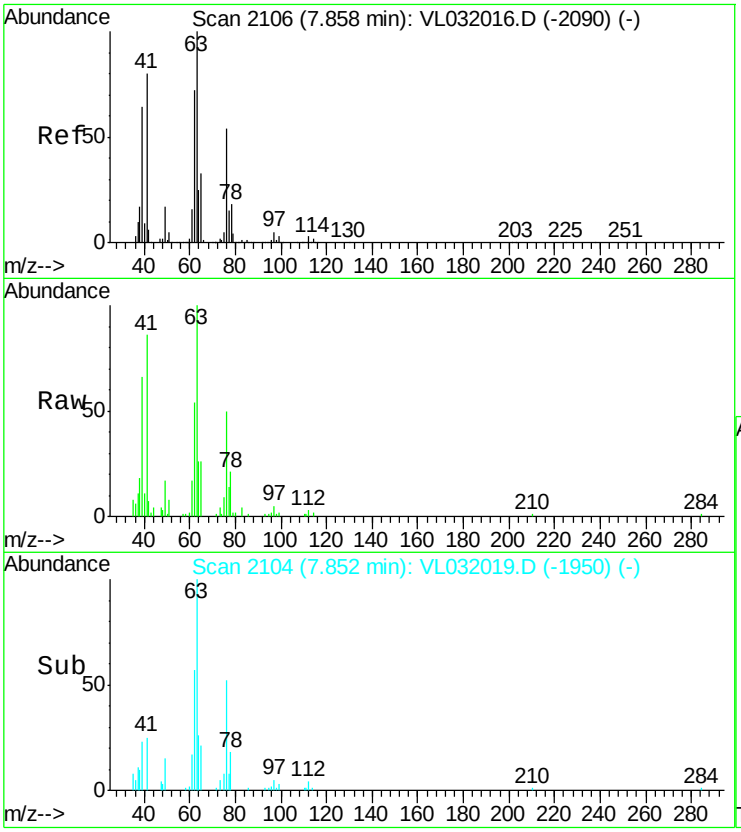


#38
Trichloroethene
Concen: 0.42 ppbv
RT: 8.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:130 Resp: 38759

Ion	Ratio	Lower	Upper
130	100		
95	136.9	90.7	136.1#
132	84.8	75.6	113.4
97	73.2	59.4	89.0



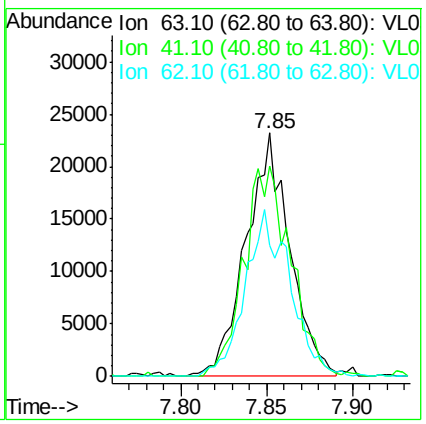


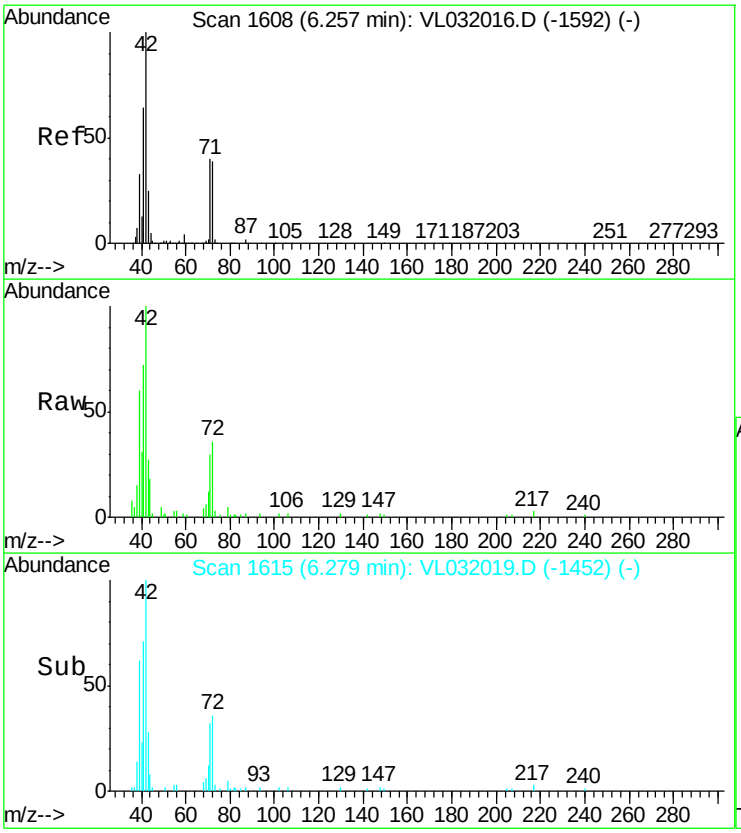
#39
1,2-Dichloropropane
Concen: 0.48 ppbv
RT: 7.85 min Scan# 2104
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 63 Resp: 41027

Ion	Ratio	Lower	Upper
63	100		
41	86.2	64.0	96.0
62	54.0	57.6	86.4#

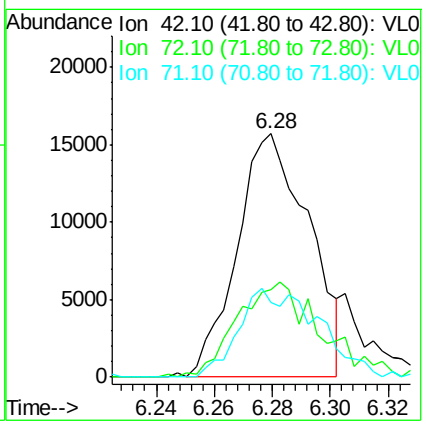


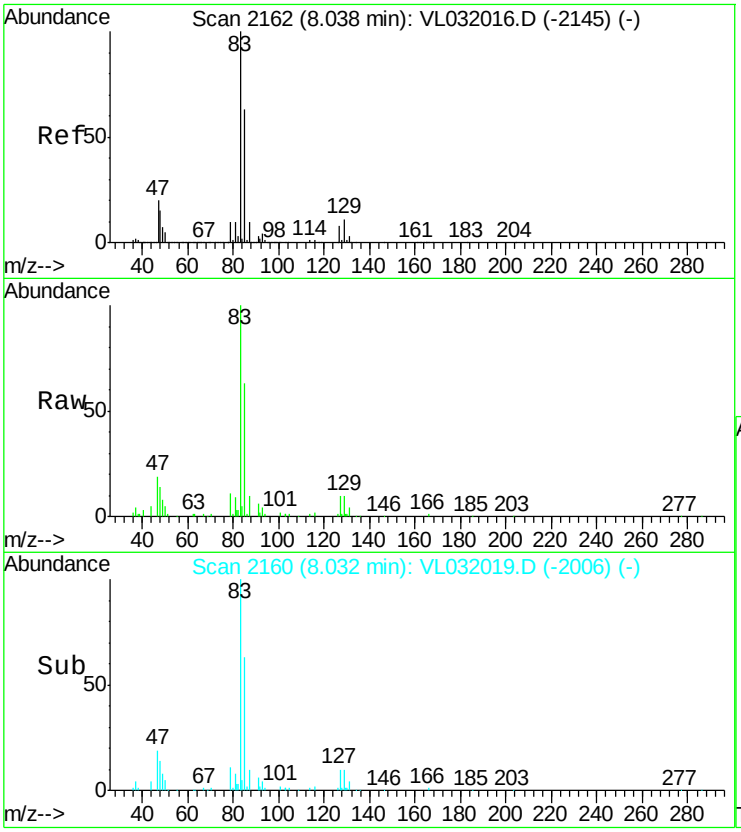


#41
Tetrahydrofuran
Concen: 0.29 ppbv
RT: 6.28 min Scan# 1615
Delta R.T. 0.02 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 42 Resp: 27094

Ion	Ratio	Lower	Upper
42	100		
72	45.6	32.3	48.5
71	40.5	32.3	48.5



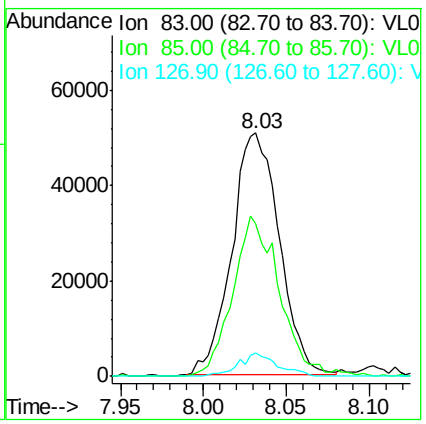


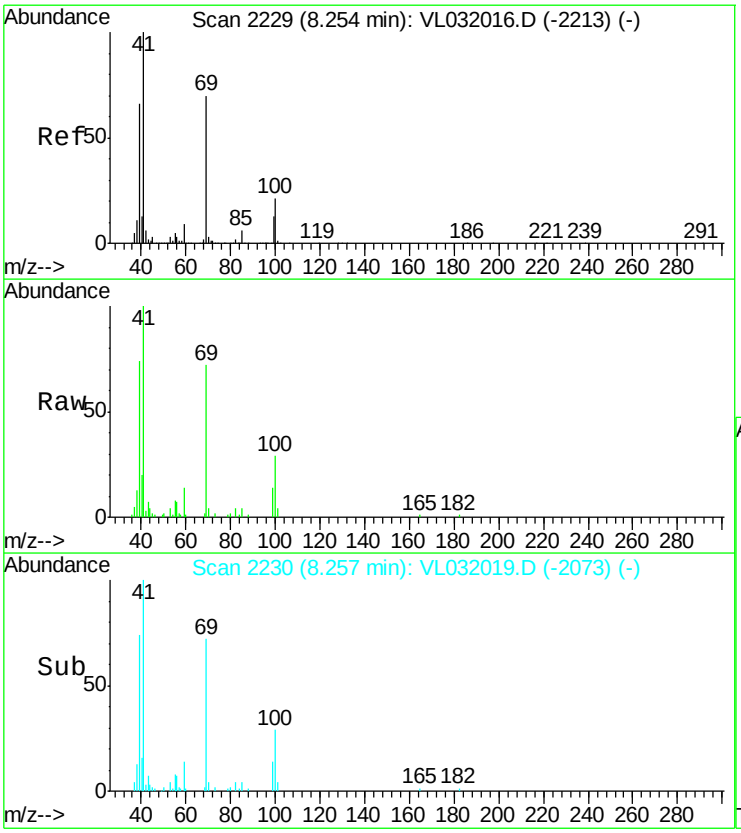
#42
Bromodichloromethane
Concen: 0.51 ppbv
RT: 8.03 min Scan# 2160
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 83 Resp: 100980

Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.3	75.5
127	9.8	6.6	9.8

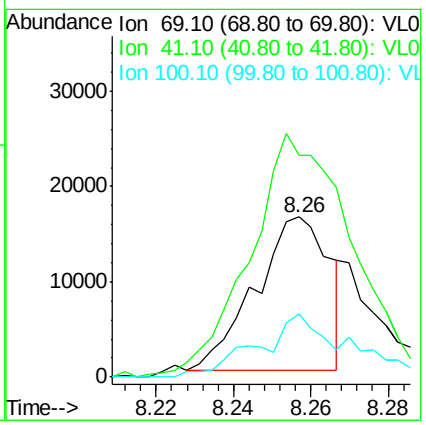


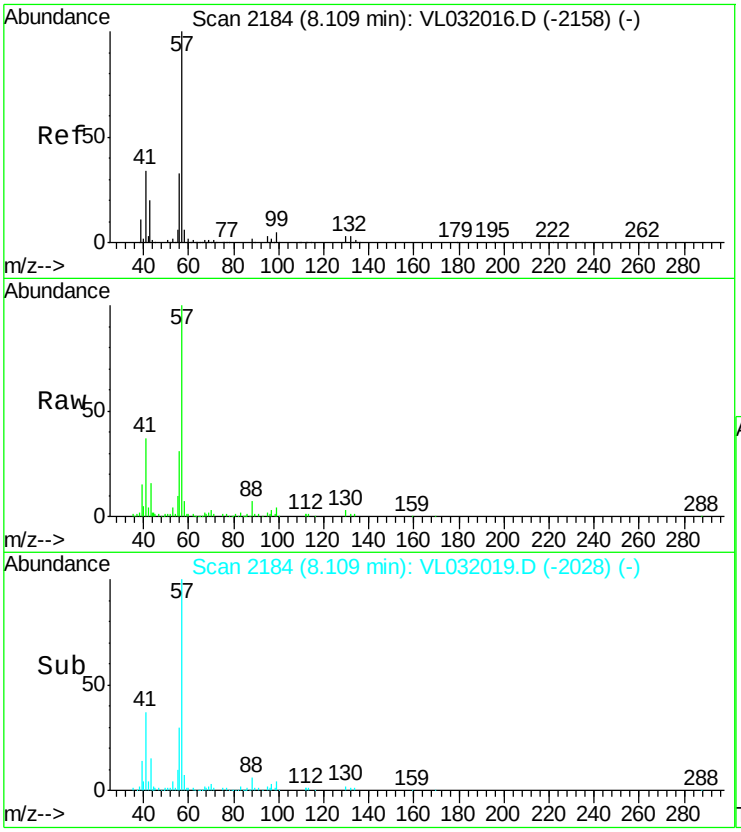


#43
Methyl Methacrylate
Concen: 0.26 ppbv
RT: 8.26 min Scan# 2230
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 69 Resp: 21240

Ion	Ratio	Lower	Upper
69	100		
41	227.6	115.5	173.3#
100	52.2	25.4	38.0#



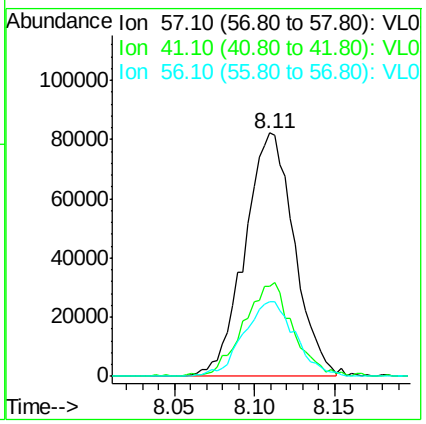


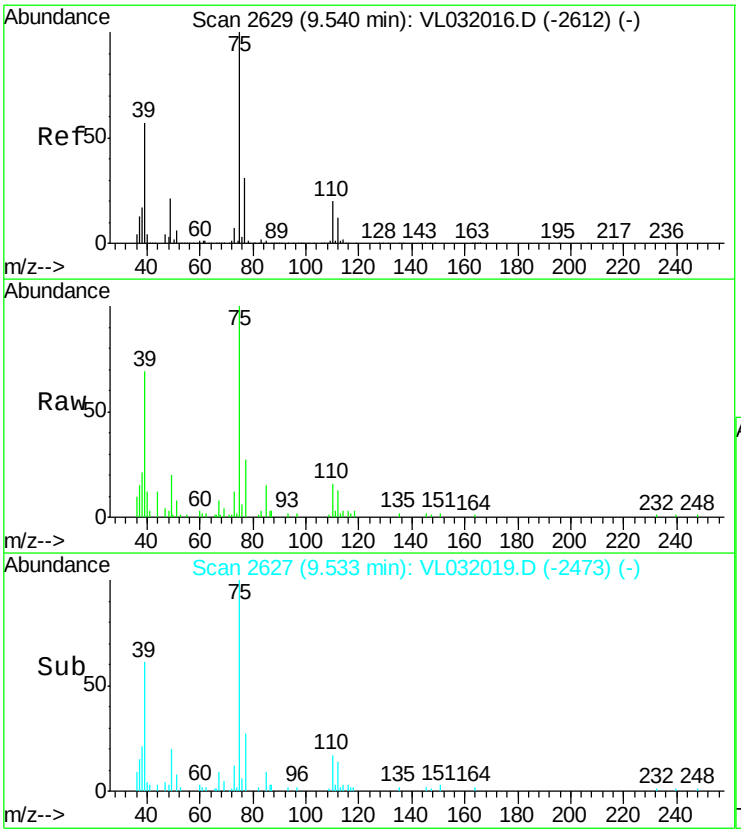
#44
2,2,4-Trimethylpentane
Concen: 0.44 ppbv
RT: 8.11 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 57 Resp: 174534

Ion	Ratio	Lower	Upper
57	100		
41	38.8	26.6	40.0
56	32.2	24.9	37.3

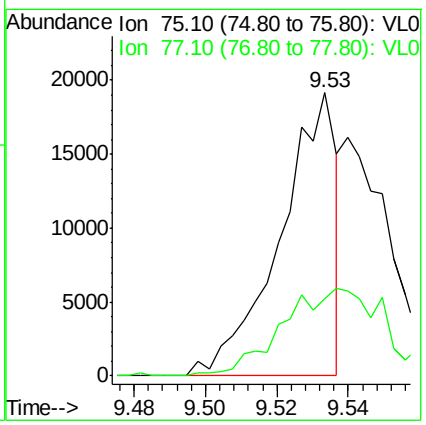


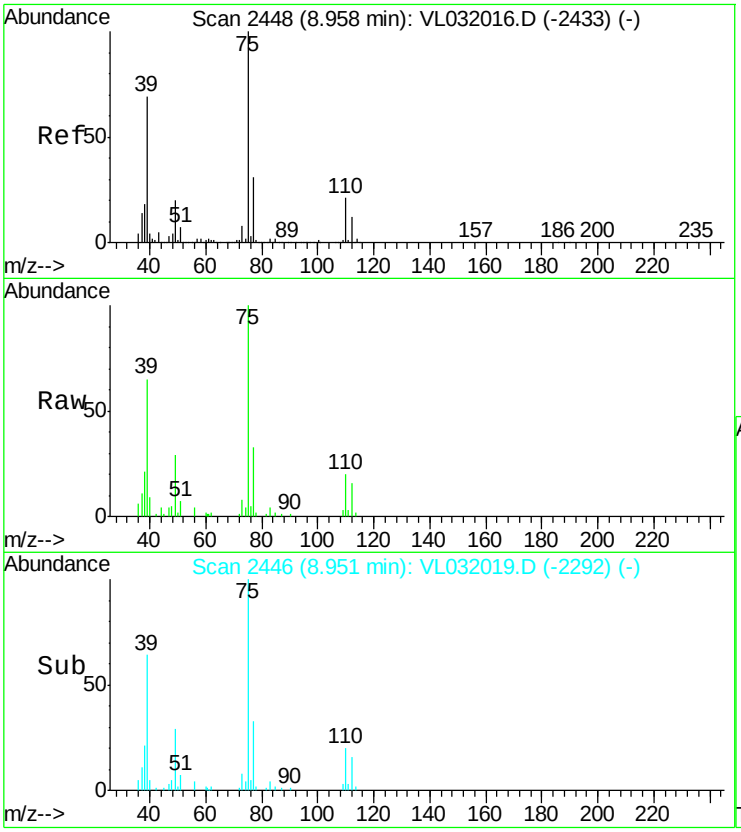


#45
t-1,3-Dichloropropene
Concen: 0.19 ppbv
RT: 9.53 min Scan# 2627
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 75 Resp: 20906

Ion	Ratio	Lower	Upper
75	100		
77	27.3	25.0	37.4



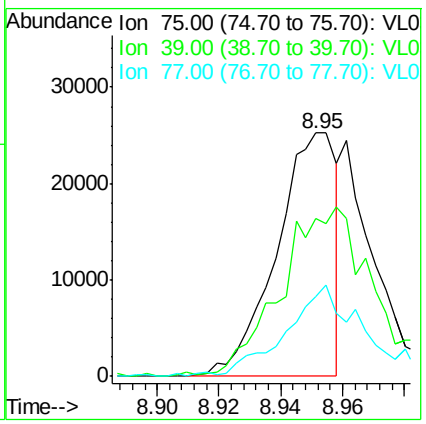


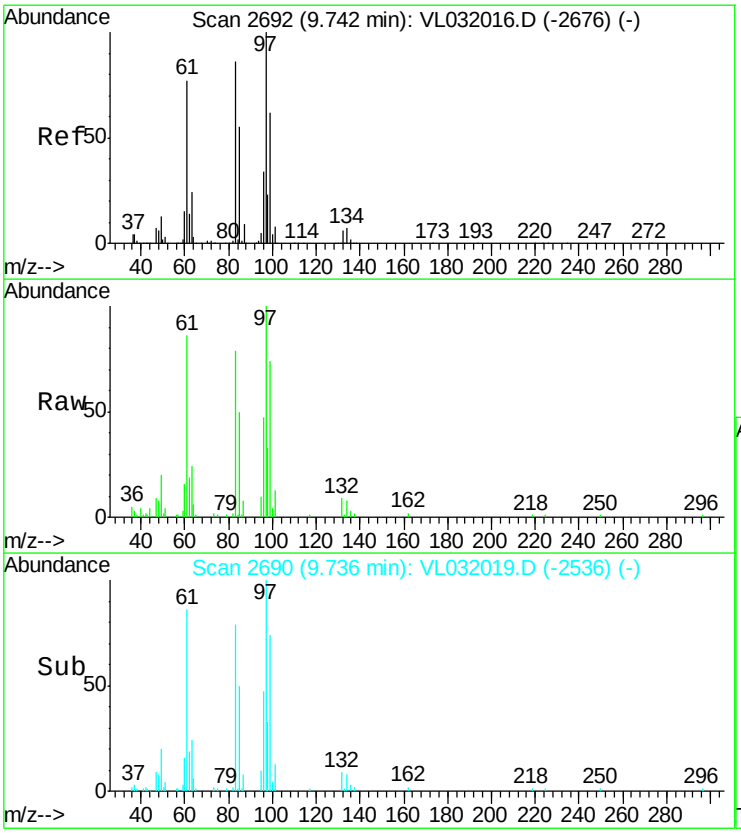
#46
cis-1,3-Dichloropropene
Concen: 0.25 ppbv
RT: 8.95 min Scan# 2446
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 33748

Ion	Ratio	Lower	Upper
75	100		
39	63.3	55.0	82.6
77	33.0	25.0	37.6

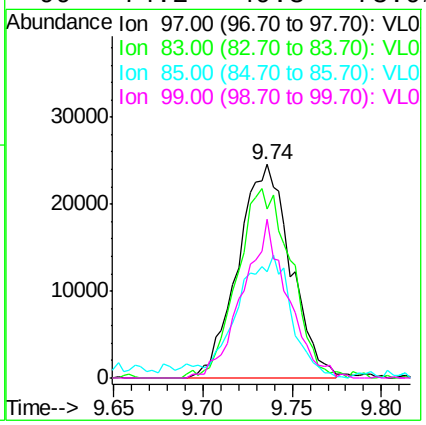


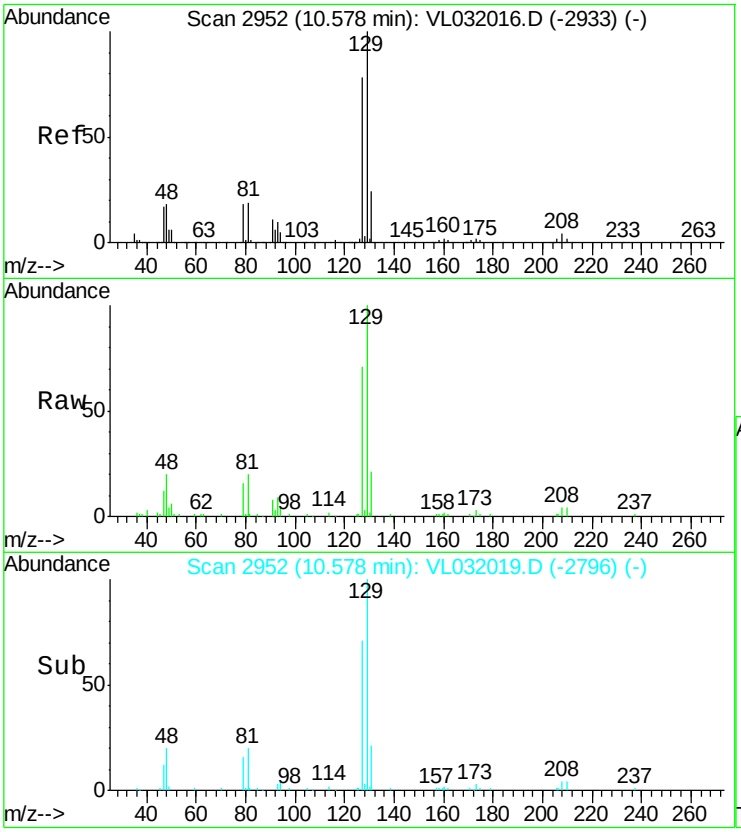


#47
1,1,2-Trichloroethane
Concen: 0.50 ppbv
RT: 9.74 min Scan# 2690
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 97 Resp: 50671

Ion	Ratio	Lower	Upper
97	100		
83	77.2	69.1	103.7
85	49.1	44.5	66.7
99	74.2	49.3	73.9#



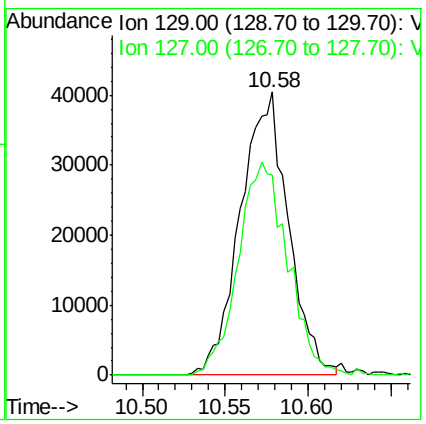


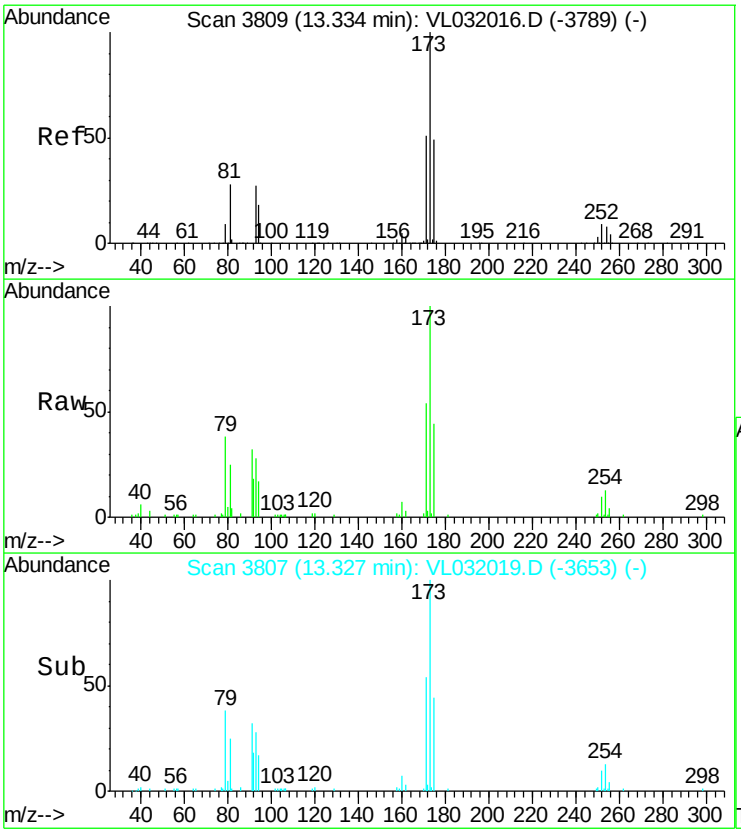
#48
Dibromochloromethane
Concen: 0.50 ppbv
RT: 10.58 min Scan# 2952
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:129 Resp: 81198

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.3	117.9

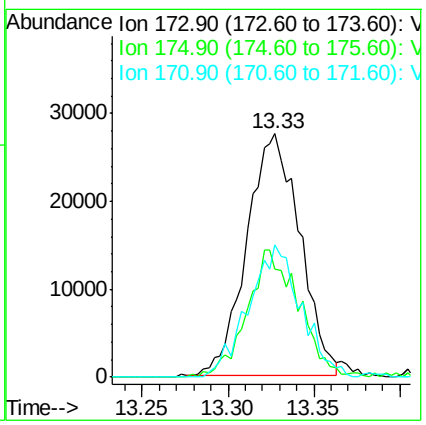


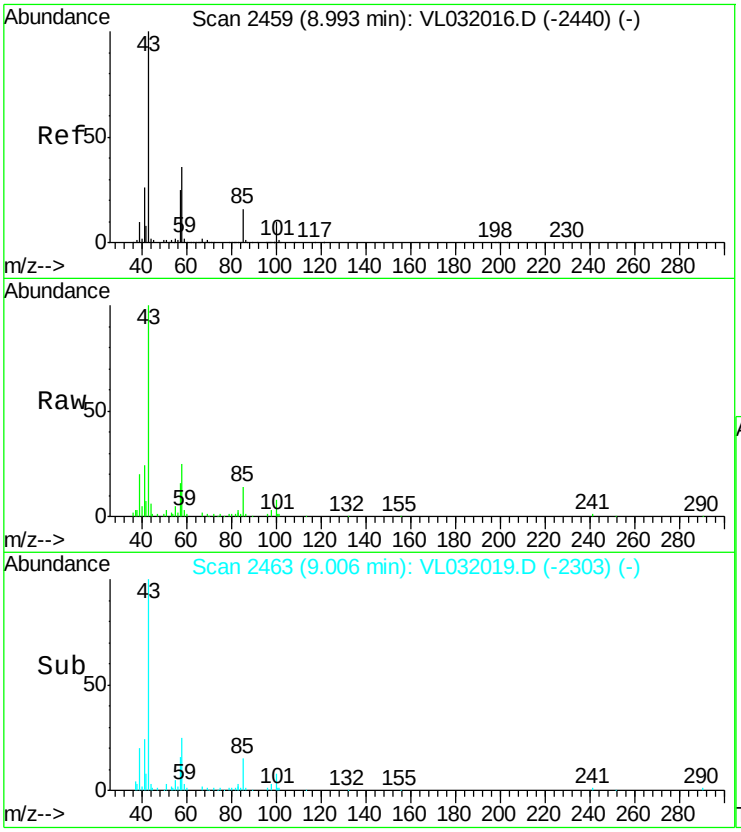


#49
Bromoform
Concen: 0.46 ppbv
RT: 13.33 min Scan# 3807
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:173 Resp: 58892

Ion	Ratio	Lower	Upper
173	100		
175	52.1	39.8	59.8
171	54.4	41.7	62.5



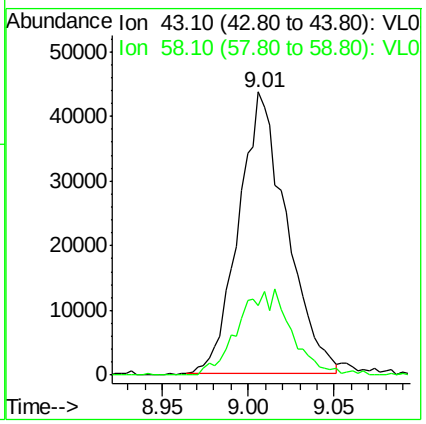


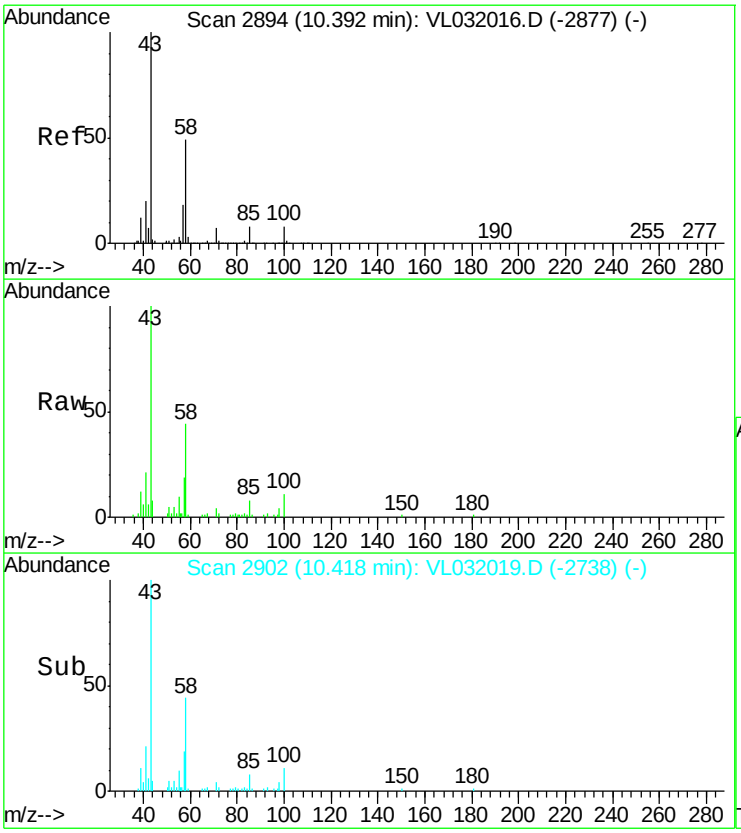
#50
4-Methyl-2-Pentanone
Concen: 0.42 ppbv
RT: 9.01 min Scan# 2463
Delta R.T. 0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 84028

Ion	Ratio	Lower	Upper
43	100		
58	34.1	29.1	43.7

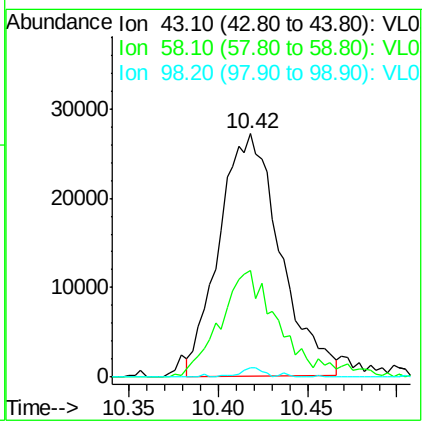


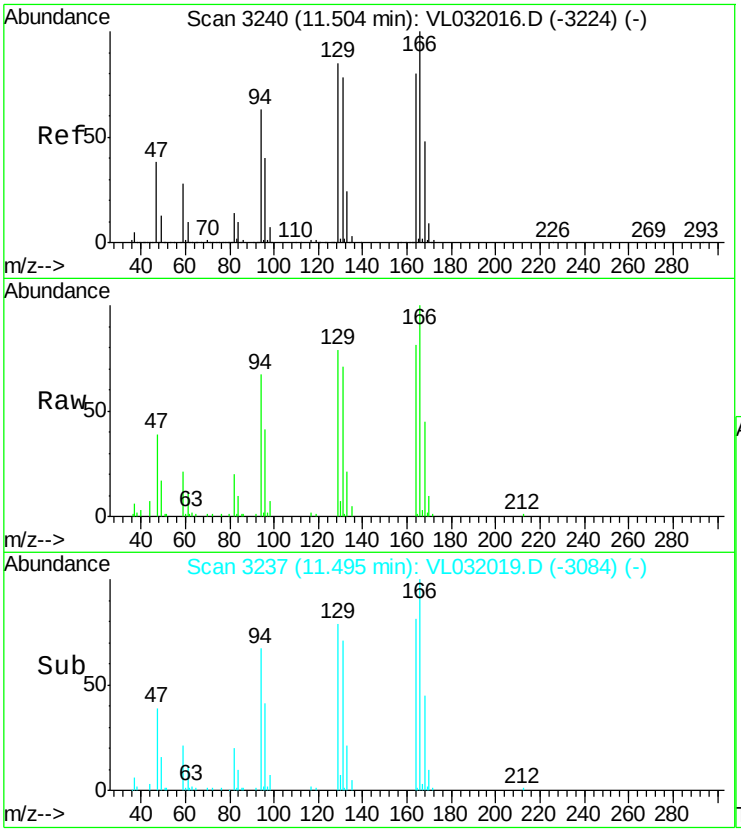


#51
2-Hexanone
Concen: 0.35 ppbv
RT: 10.42 min Scan# 2902
Delta R.T. 0.03 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 43 Resp: 64764

Ion	Ratio	Lower	Upper
43	100		
58	44.0	39.0	58.6
98	1.9	0.4	0.6#



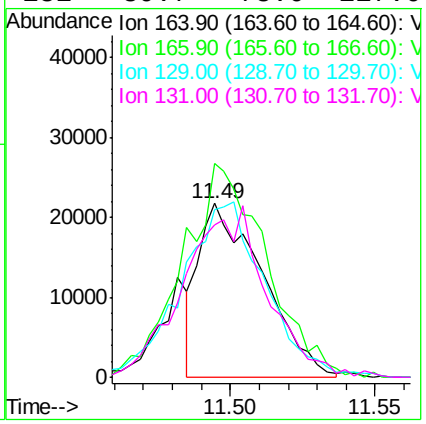


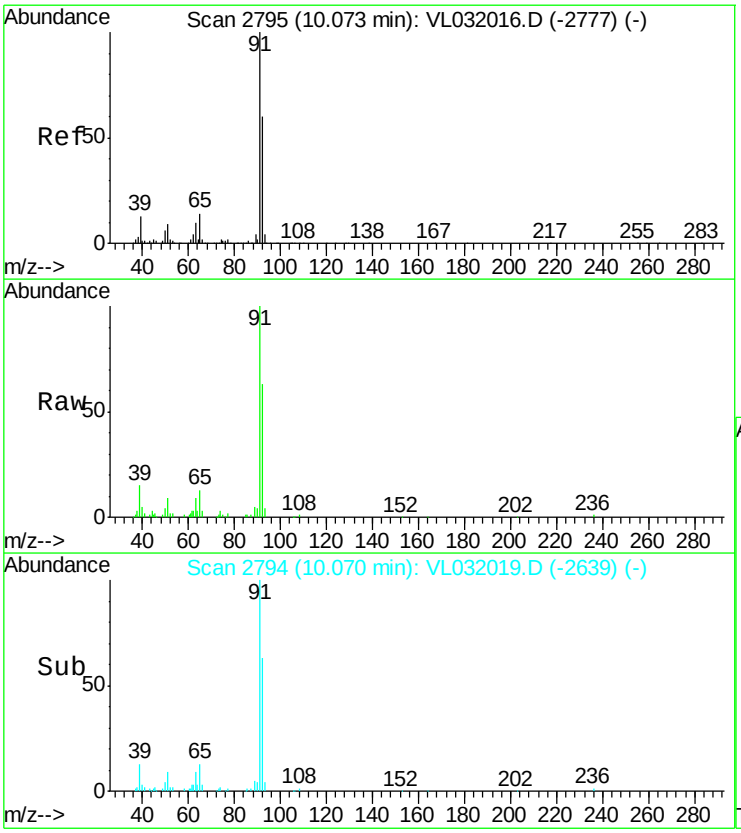
#52
Tetrachloroethene
Concen: 0.37 ppbv
RT: 11.49 min Scan# 3237
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:164 Resp: 33257

Ion	Ratio	Lower	Upper
164	100		
166	121.0	100.2	150.2
129	95.9	85.4	128.0
131	89.7	78.0	117.0

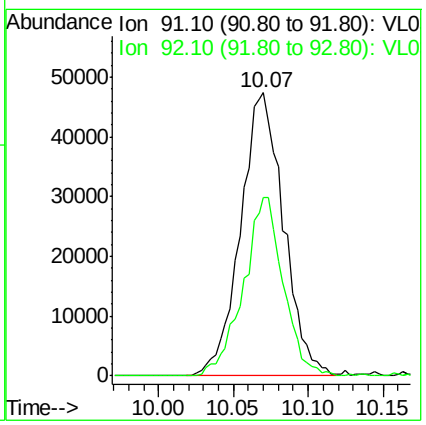


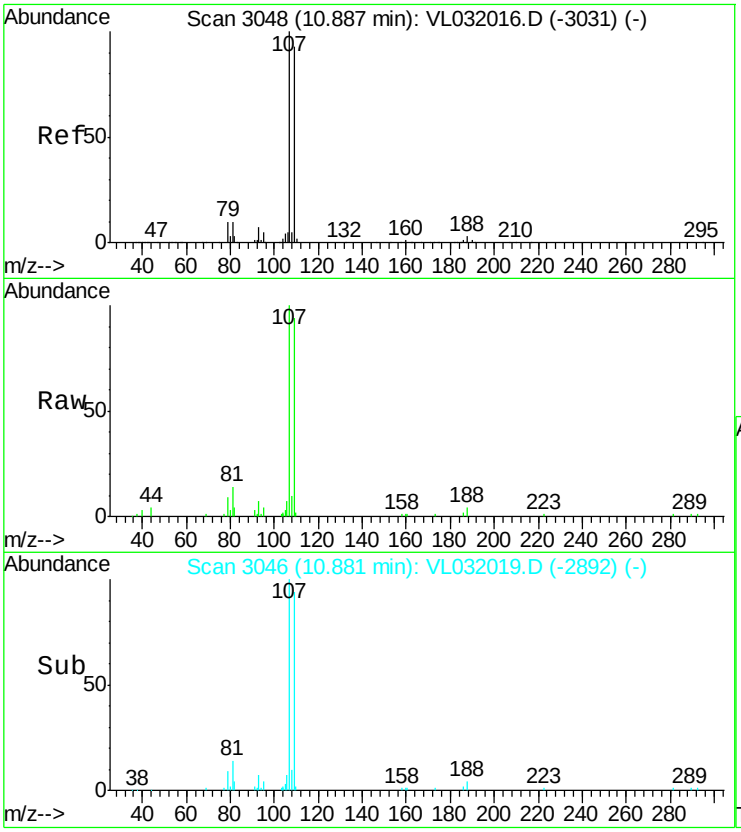


#53
Toluene
Concen: 0.36 ppbv
RT: 10.07 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 91 Resp: 94771

Ion	Ratio	Lower	Upper
91	100		
92	58.6	48.2	72.2



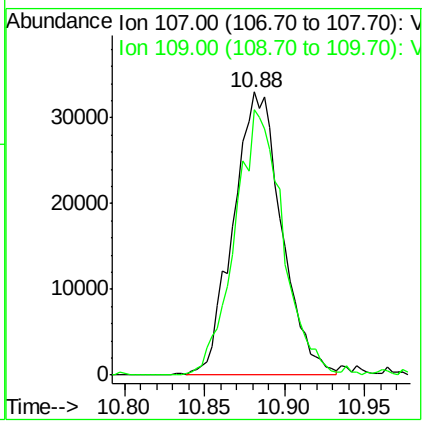


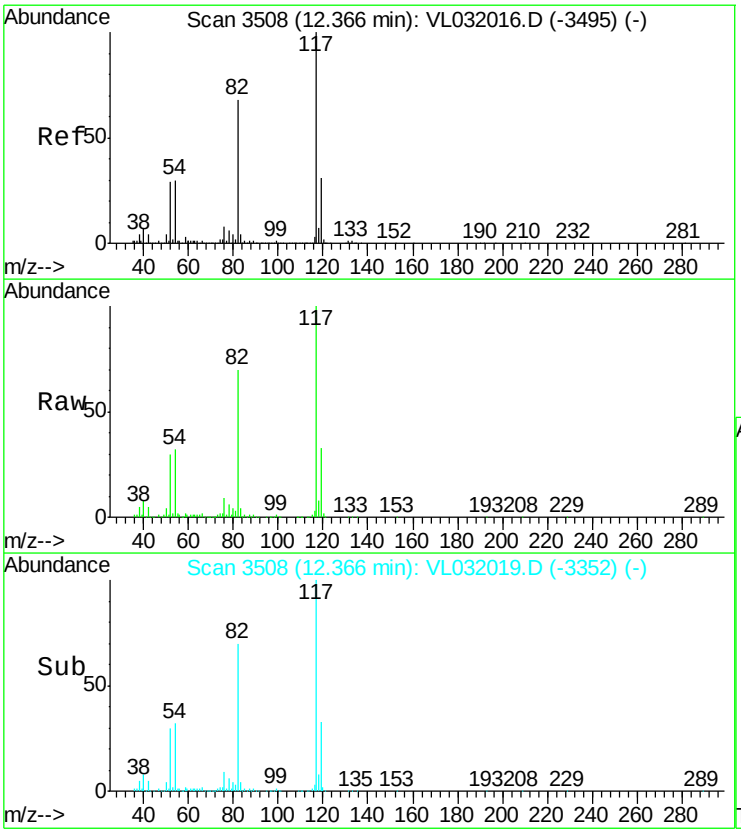
#54
1,2-Dibromoethane
Concen: 0.46 ppbv
RT: 10.88 min Scan# 3046
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:107 Resp: 68318

Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.6	111.8

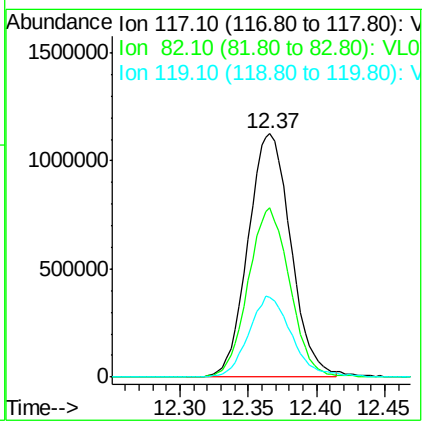


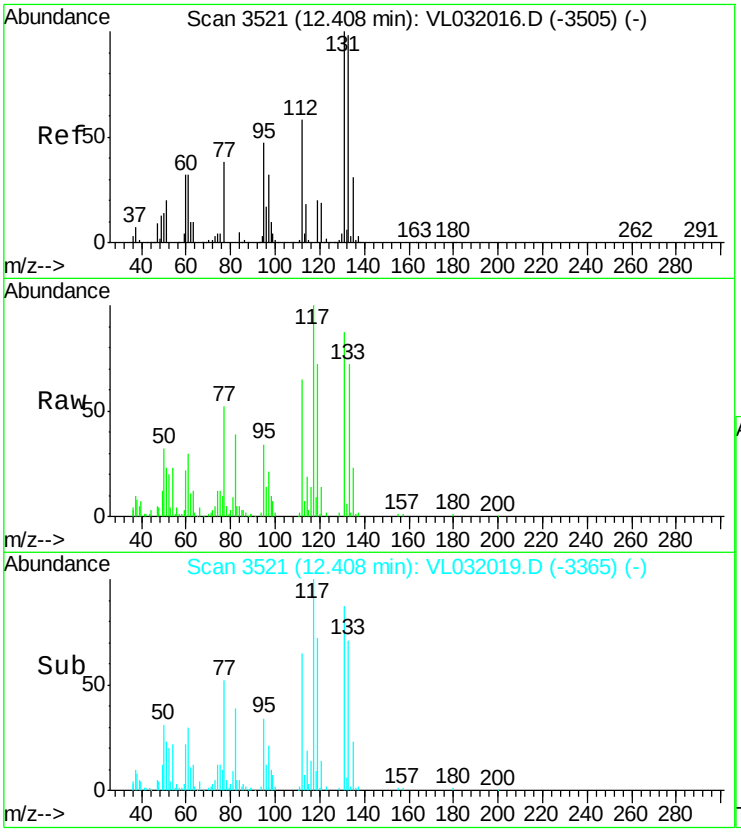


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.37 min Scan# 3508
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:117 Resp: 2446622

Ion	Ratio	Lower	Upper
117	100		
82	68.1	52.7	79.1
119	33.6	25.5	38.3



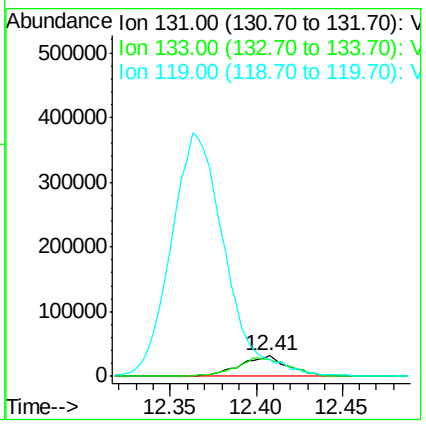


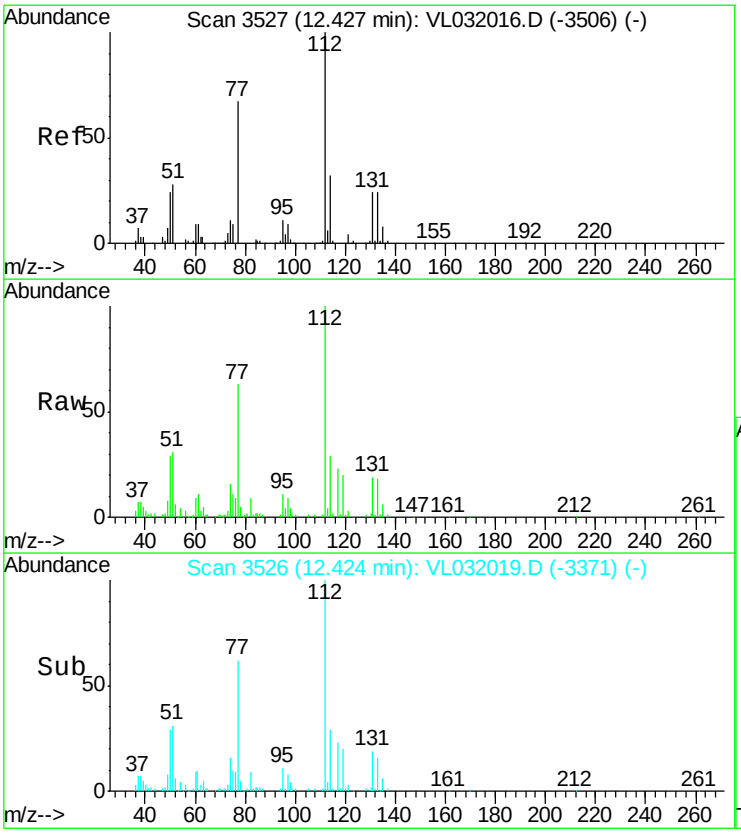
#56
1,1,1,2-Tetrachloroethane
Concen: 0.56 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:131 Resp: 62701

Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.7	115.1
119	1313.0	49.2	73.8#

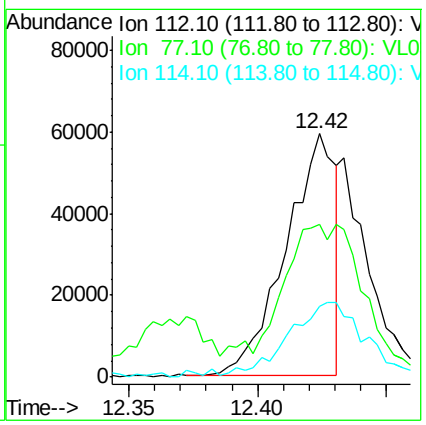


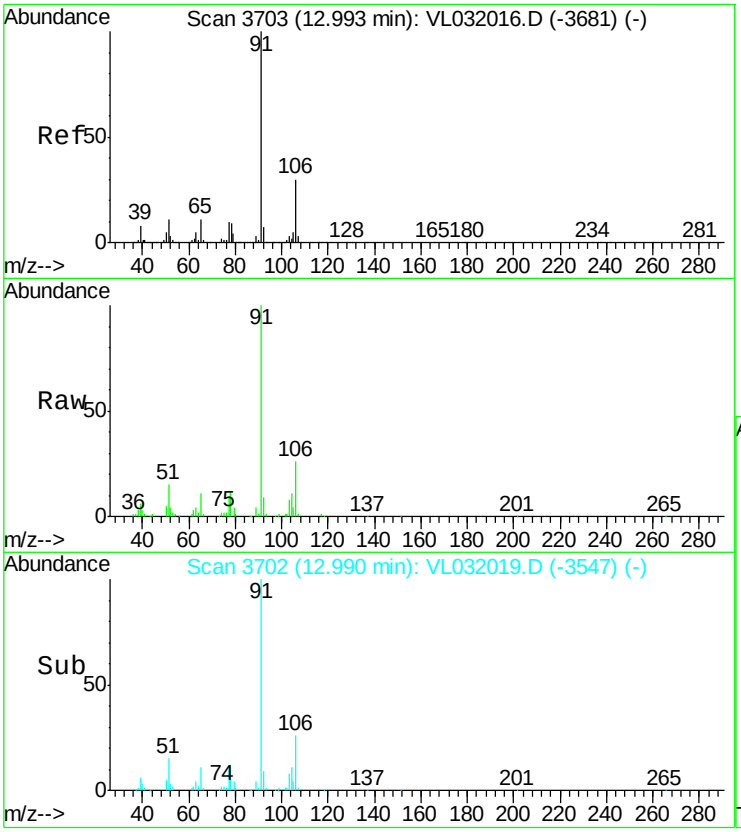


#57
Chlorobenzene
Concen: 0.37 ppbv
RT: 12.42 min Scan# 3526
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:112 Resp: 79341

Ion	Ratio	Lower	Upper
112	100		
77	38.1	54.3	81.5#
114	26.4	28.6	35.0#



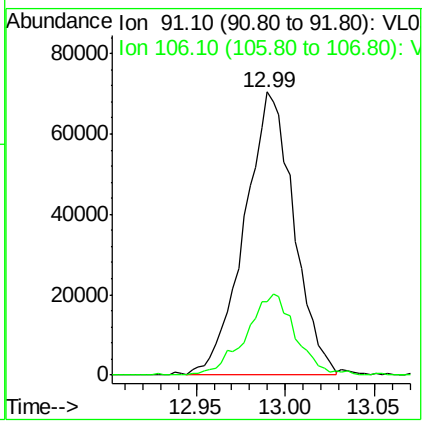


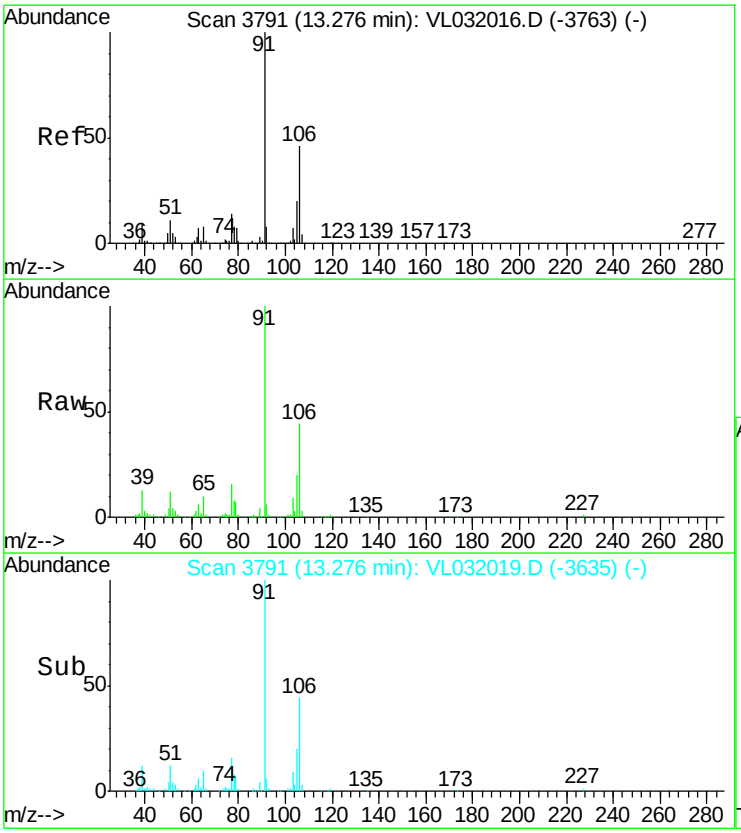
#58
Ethyl Benzene
Concen: 0.38 ppbv
RT: 12.99 min Scan# 3702
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 136371

Ion	Ratio	Lower	Upper
91	100		
106	25.9	24.2	36.2

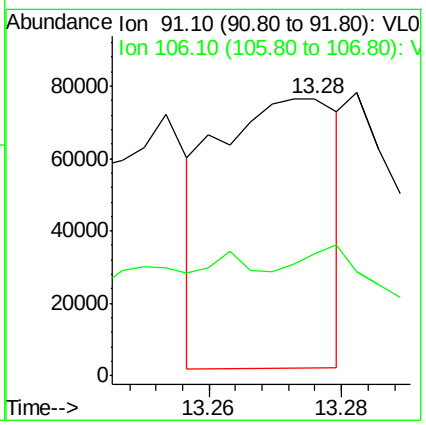


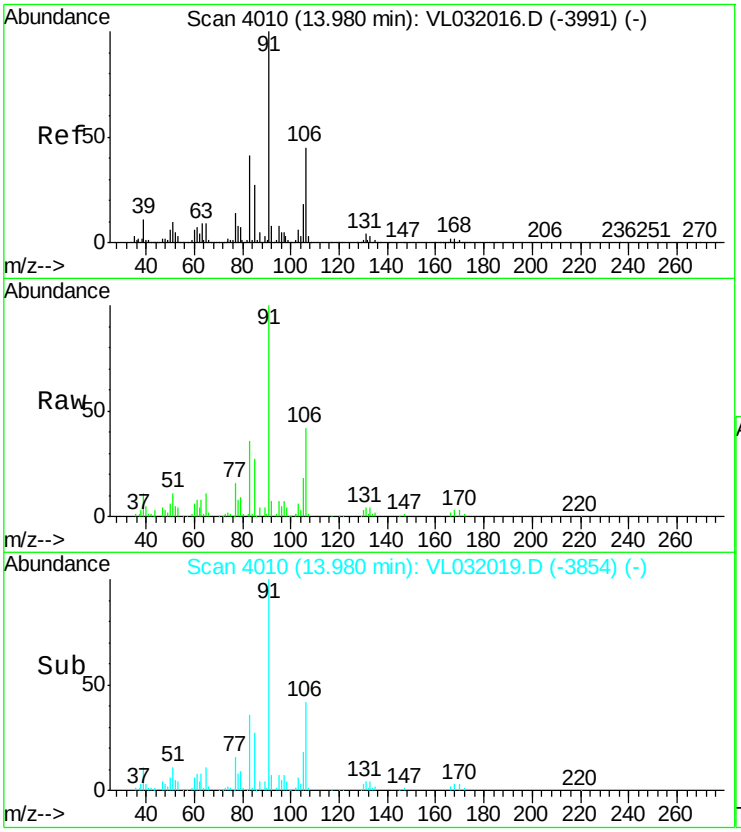


#59
m/p-Xylene
Concen: 0.31 ppbv
RT: 13.28 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 91 Resp: 93977

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.7	53.5#



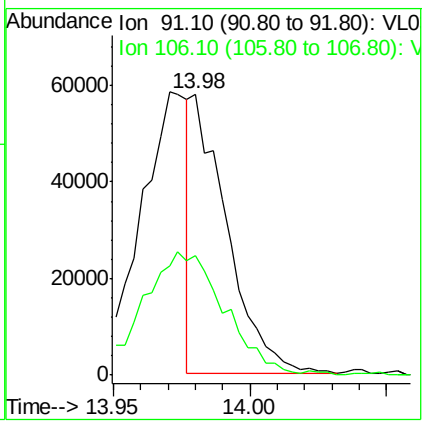


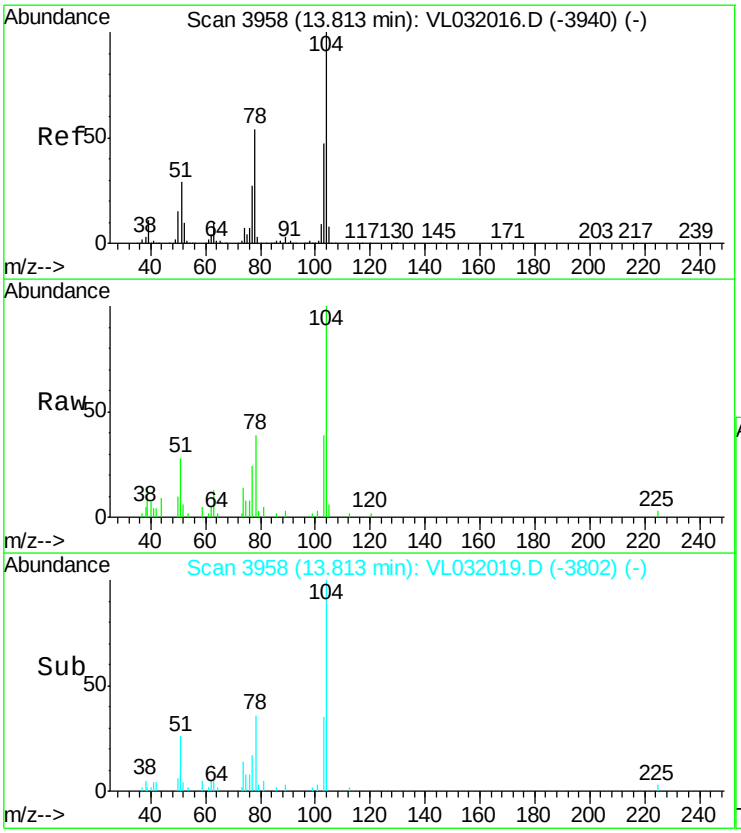
#60
o-Xylene
Concen: 0.17 ppbv
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 51273

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.5#

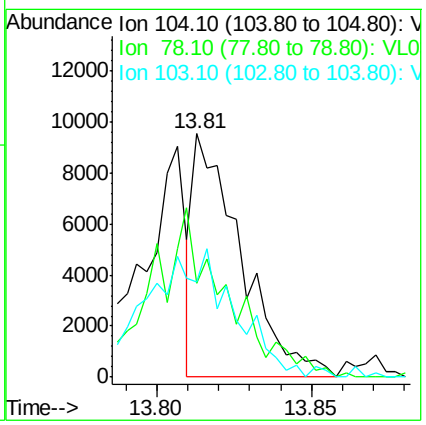


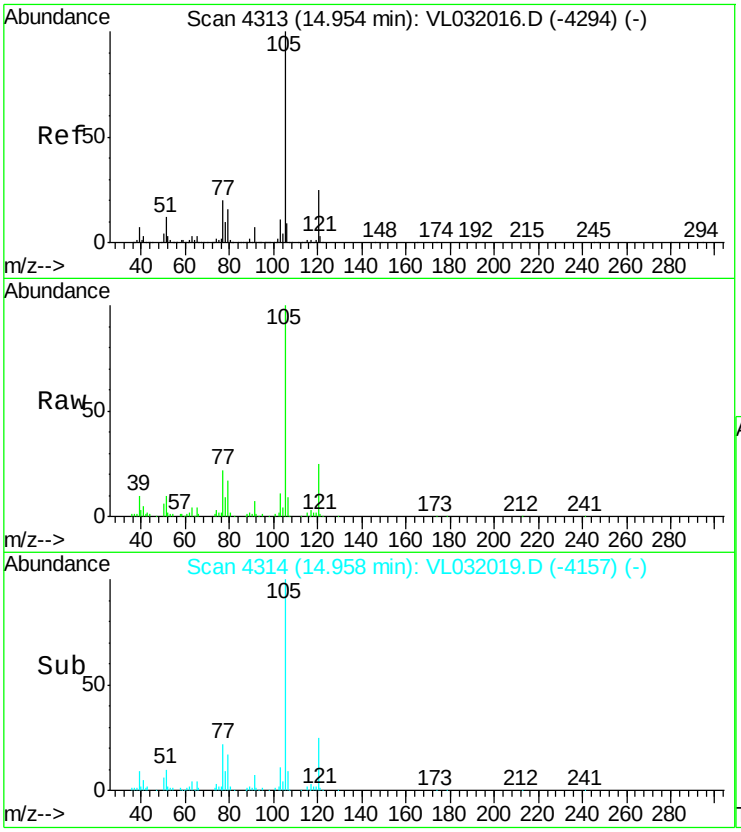


#61
Styrene
Concen: 0.17 ppbv
RT: 13.81 min Scan# 3958
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:104 Resp: 10257

Ion	Ratio	Lower	Upper
104	100		
78	112.0	43.0	64.4#
103	98.9	37.4	56.2#



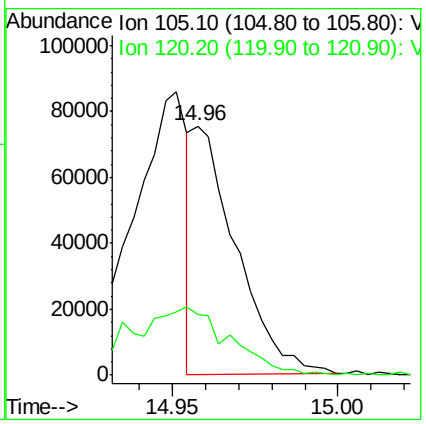


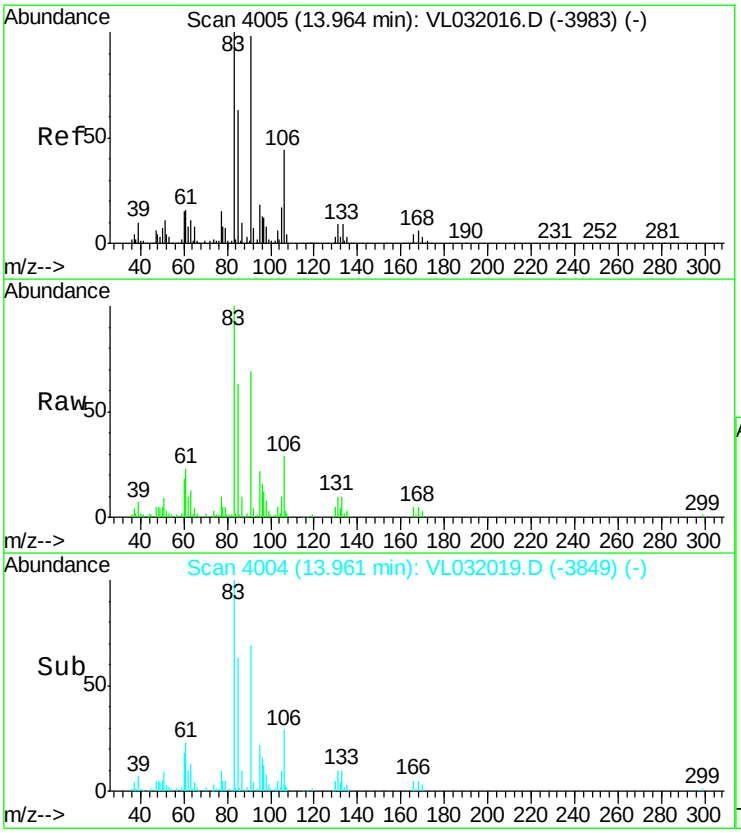
#62
Isopropylbenzene
Concen: 0.17 ppbv
RT: 14.96 min Scan# 4314
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:105 Resp: 67710

Ion	Ratio	Lower	Upper
105	100		
120	65.5	19.8	29.8#

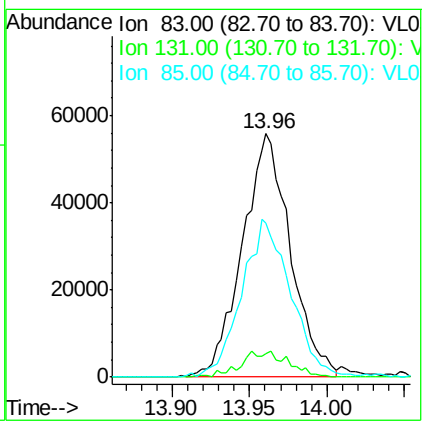


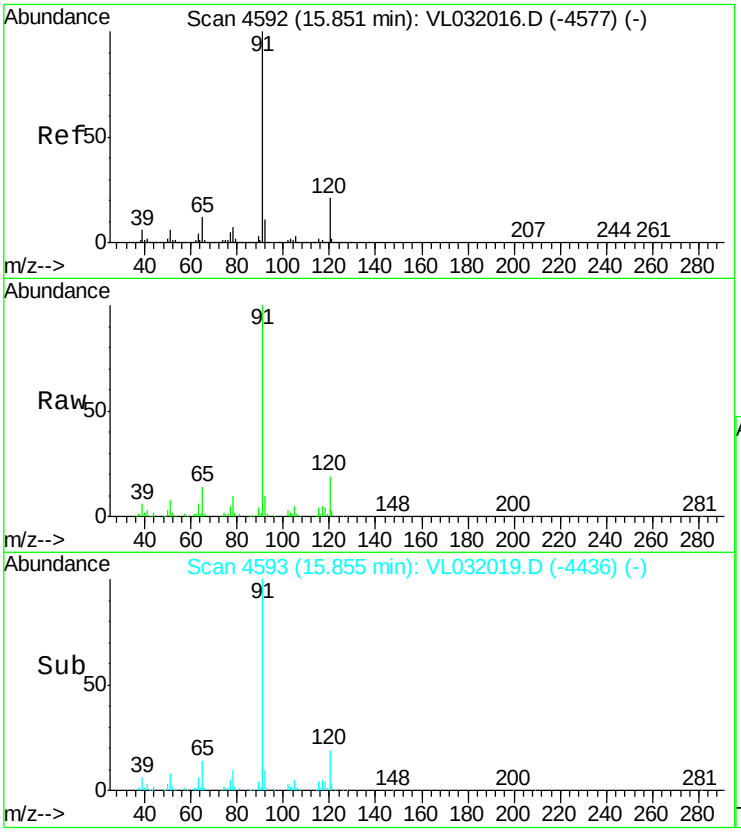


#63
1,1,2,2-Tetrachloroethane
Concen: 0.56 ppbv
RT: 13.96 min Scan# 4004
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 83 Resp: 120468

Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.7	14.0
85	66.5	32.2	96.6



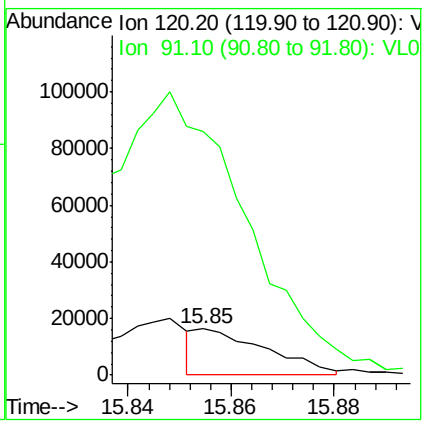


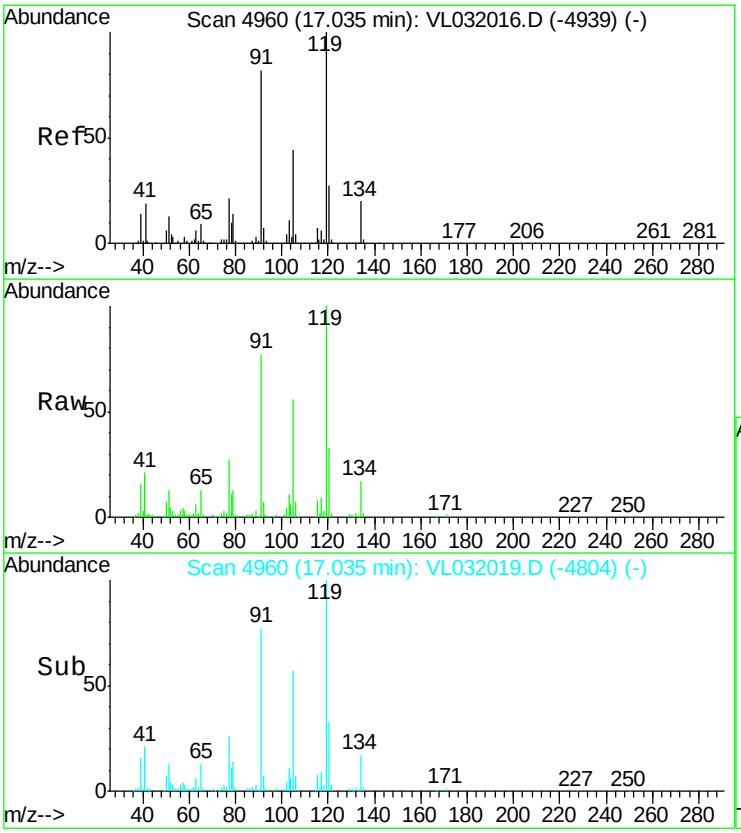
#64
n-propylbenzene
Concen: 0.16 ppbv
RT: 15.85 min Scan# 4593
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:120 Resp: 15360

Ion	Ratio	Lower	Upper
120	100		
91	0.0	391.1	586.7#

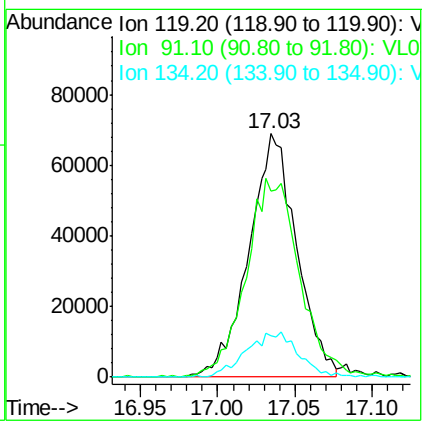


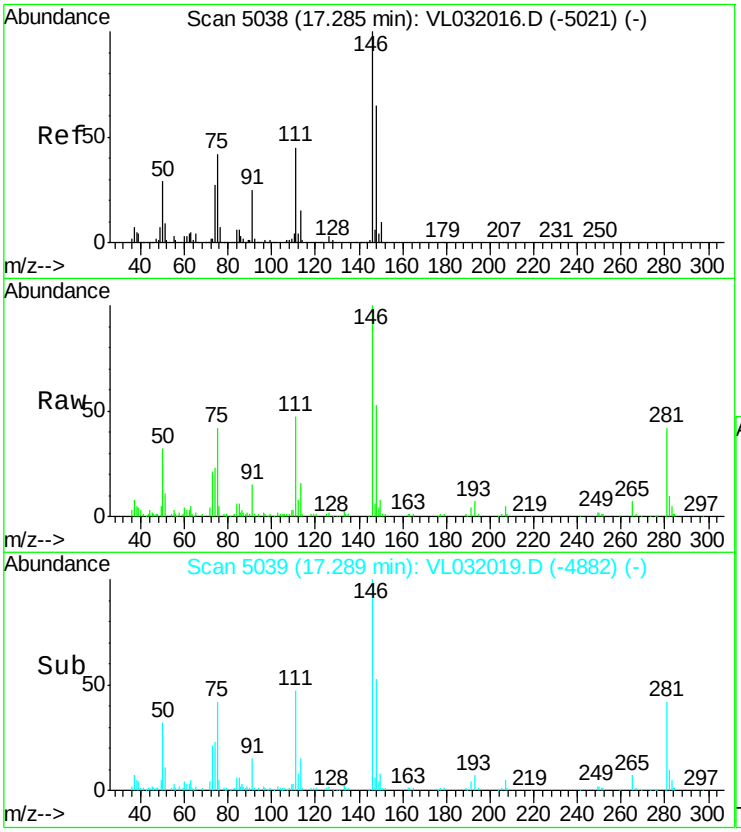


#65
tert-Butylbenzene
Concen: 0.43 ppbv
RT: 17.03 min Scan# 4960
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:119 Resp: 147709

Ion	Ratio	Lower	Upper
119	100		
91	92.2	68.2	102.4
134	20.5	15.6	23.4



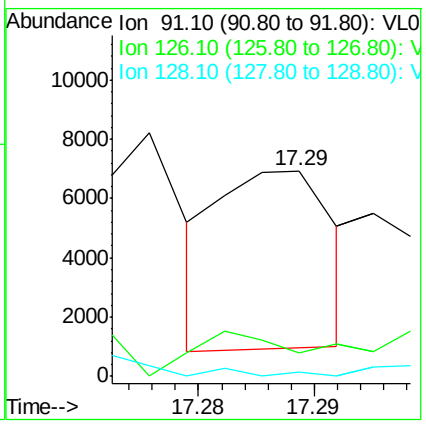


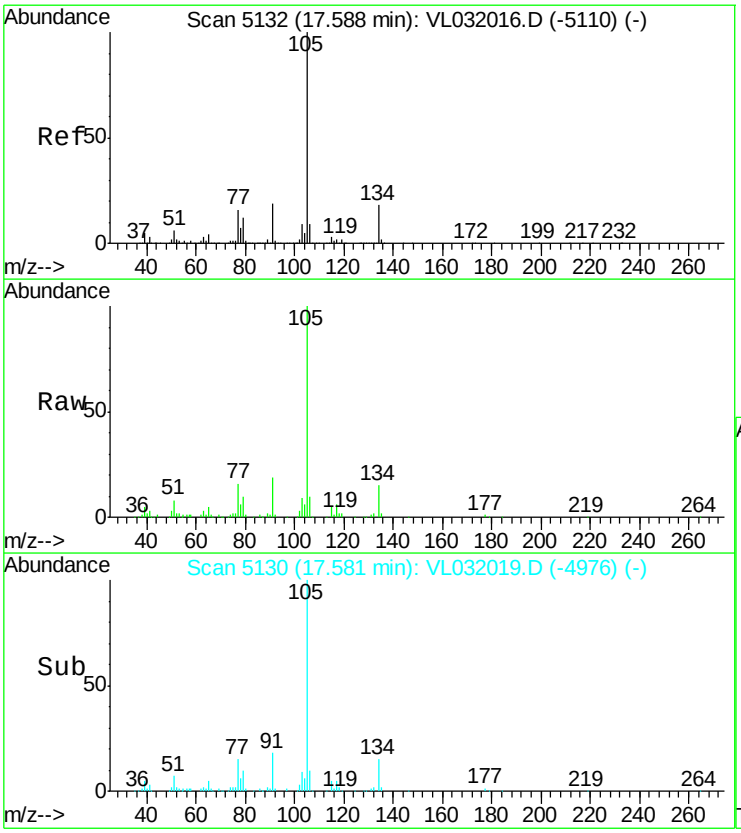
#66
Benzyl Chloride
Concen: 0.13 ppbv
RT: 17.29 min Scan# 5039
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 4109

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.2	21.2#
128	0.0	4.5	6.7#

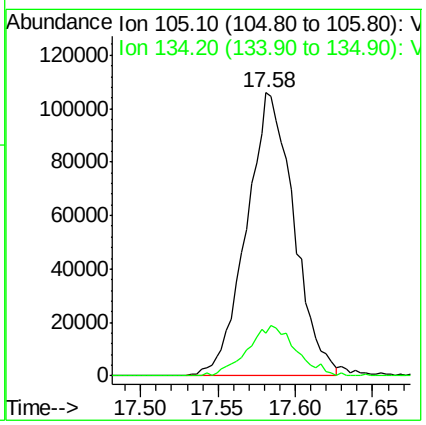


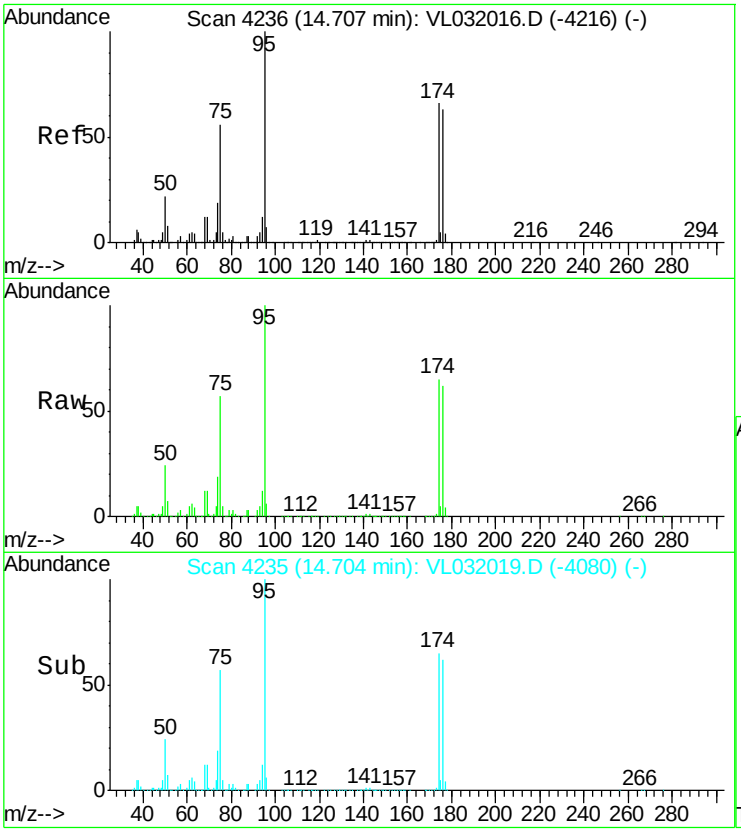


#67
sec-Butylbenzene
Concen: 0.47 ppbv
RT: 17.58 min Scan# 5130
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:105 Resp: 225308

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.4	21.6



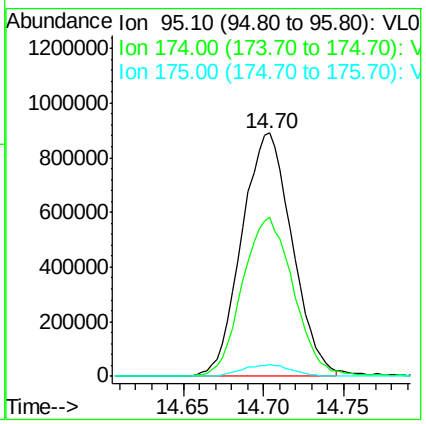


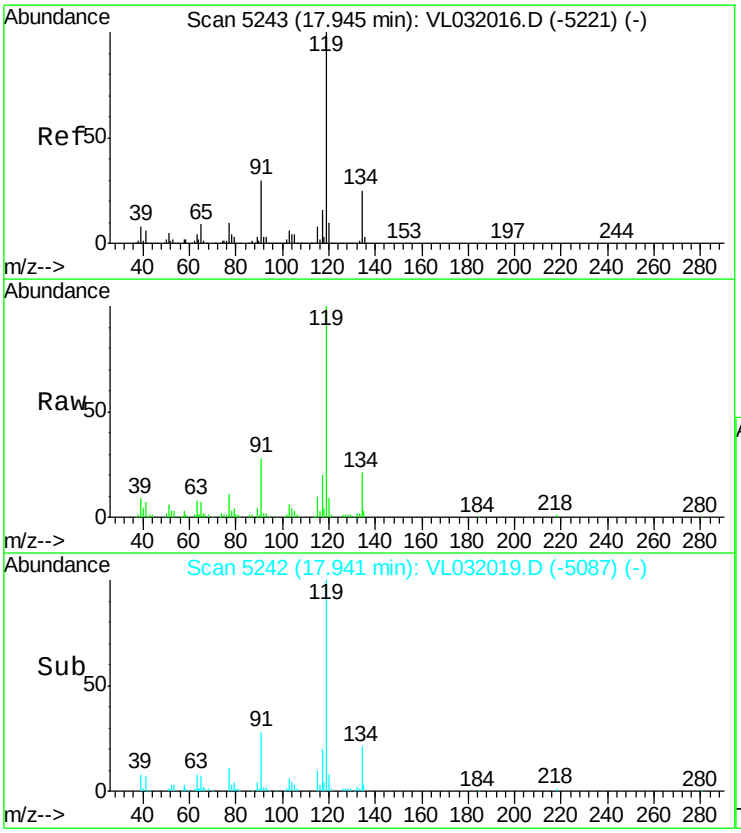
#68
1-Bromo-4-Fluorobenzene
Concen: 10.08 ppbv
RT: 14.70 min Scan# 4235
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 95 Resp: 1914970

Ion	Ratio	Lower	Upper
95	100		
174	67.3	53.2	79.8
175	4.9	3.7	5.5

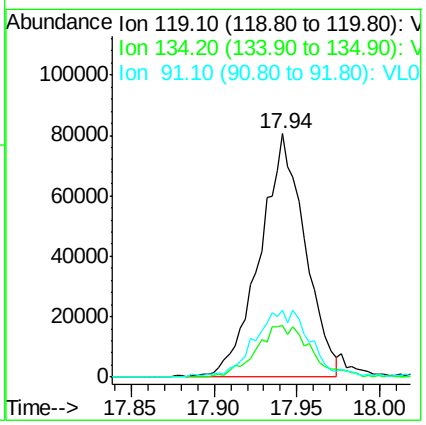


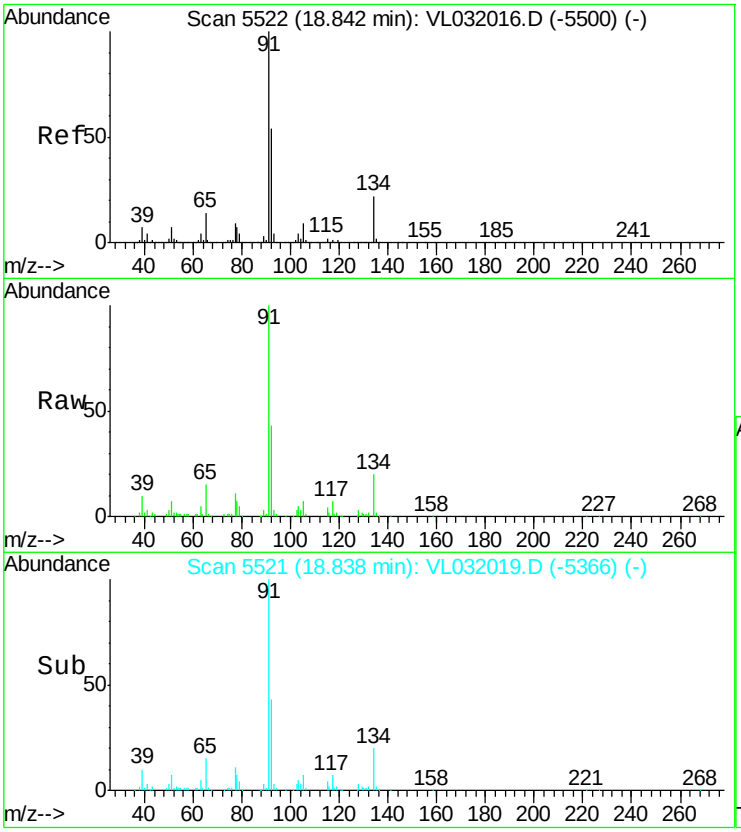


#69
p-Isopropyltoluene
Concen: 0.39 ppbv
RT: 17.94 min Scan# 5242
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:119 Resp: 151469

Ion	Ratio	Lower	Upper
119	100		
134	26.1	19.9	29.9
91	34.6	24.1	36.1



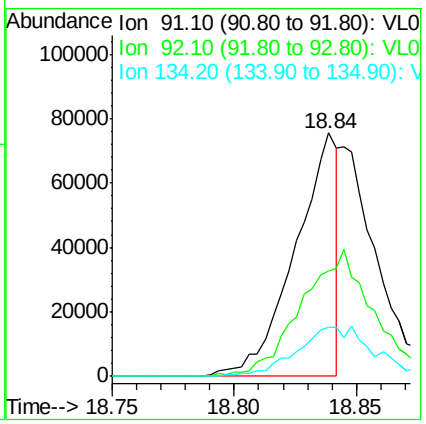


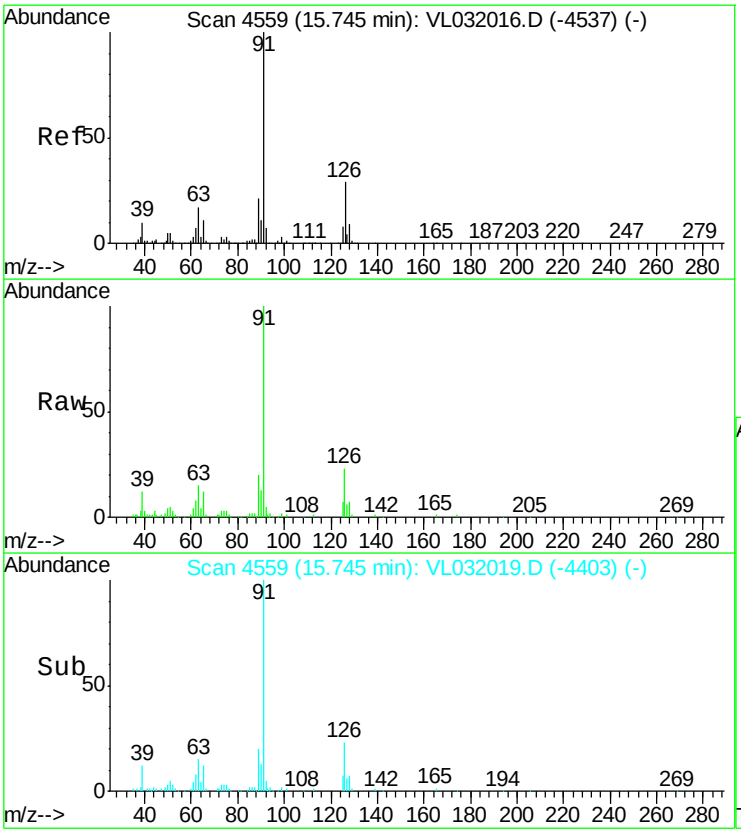
#70
n-Butylbenzene
Concen: 0.23 ppbv
RT: 18.84 min Scan# 5521
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 91097

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.5	63.7#
134	0.0	17.4	26.2#

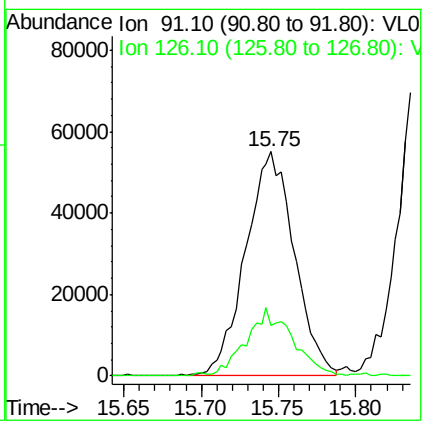


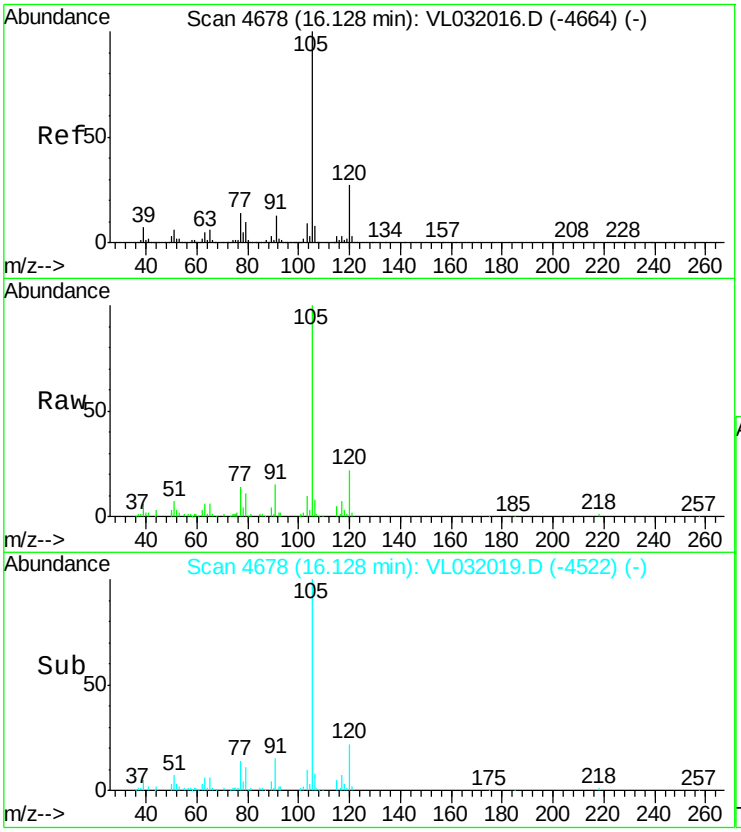


#71
2-Chlorotoluene
Concen: 0.42 ppbv
RT: 15.75 min Scan# 4559
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion: 91 Resp: 119474

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.7	46.7



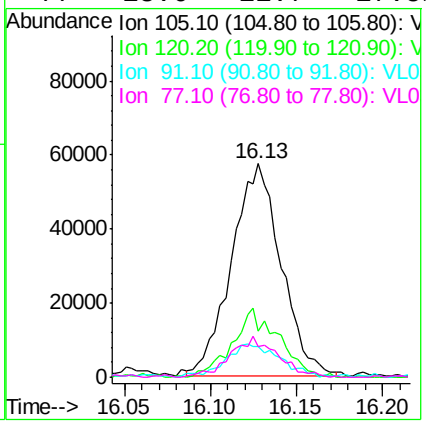


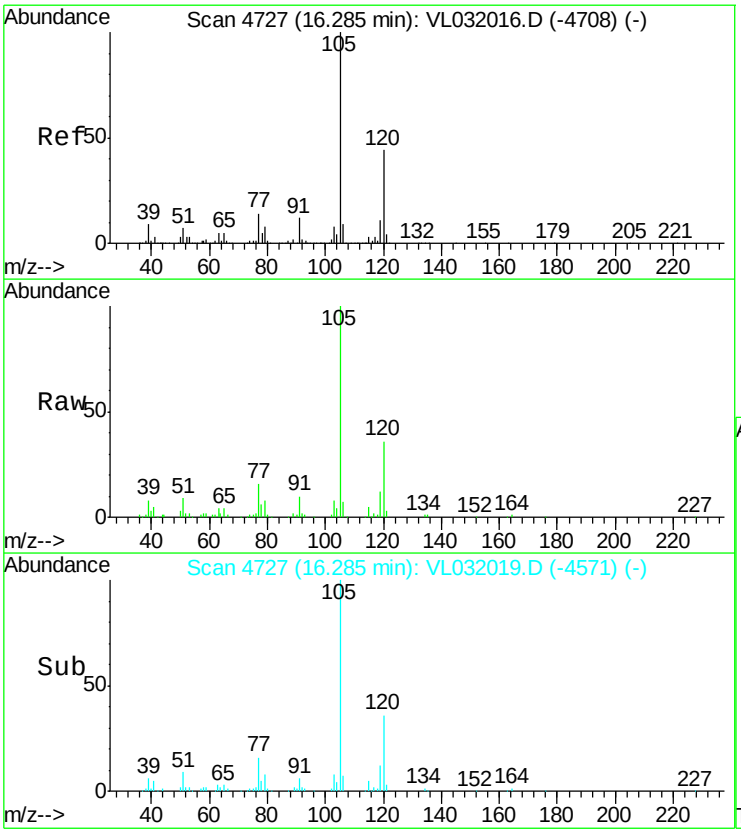
#72
4-Ethyltoluene
Concen: 0.37 ppbv
RT: 16.13 min Scan# 4678
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:105 Resp: 114405

Ion	Ratio	Lower	Upper
105	100		
120	30.5	23.4	35.0
91	18.3	10.7	16.1#
77	18.6	11.7	17.5#

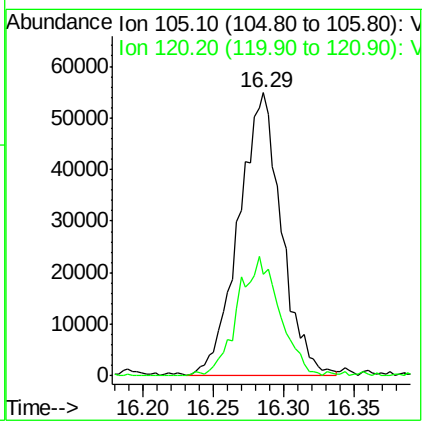


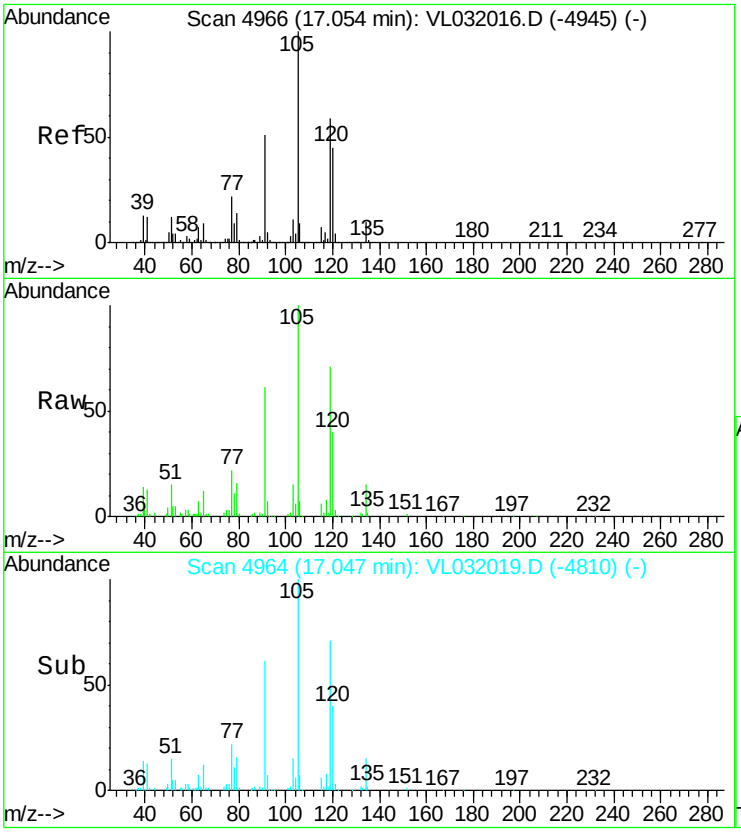


#73
1,3,5-Trimethylbenzene
Concen: 0.41 ppbv
RT: 16.29 min Scan# 4727
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:105 Resp: 116750

Ion	Ratio	Lower	Upper
105	100		
120	35.9	35.0	52.4



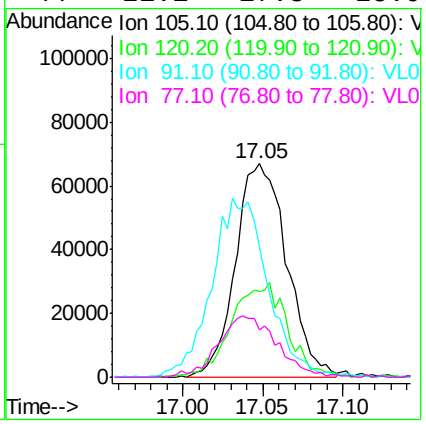


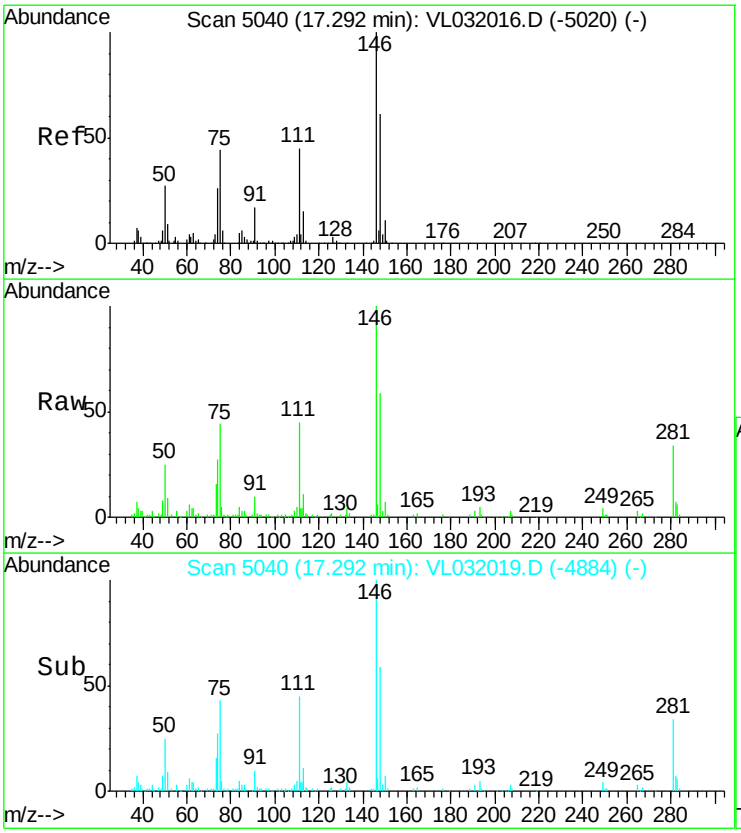
#74
1,2,4-Trimethylbenzene
Concen: 0.47 ppbv
RT: 17.05 min Scan# 4964
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 146954

Ion	Ratio	Lower	Upper
105	100		
120	38.8	36.0	54.0
91	60.2	41.4	62.0
77	21.1	17.3	25.9

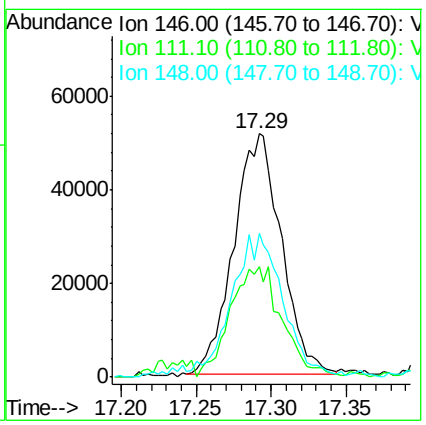


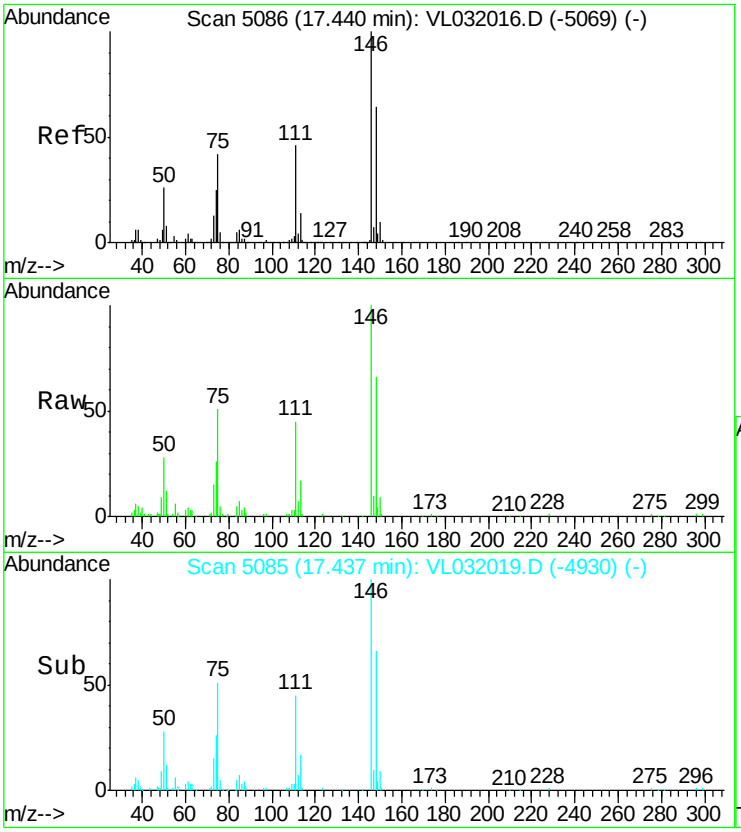


#75
1,3-Dichlorobenzene
Concen: 0.58 ppbv
RT: 17.29 min Scan# 5040
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:146 Resp: 113284

Ion	Ratio	Lower	Upper
146	100		
111	56.3	23.7	71.1
148	67.2	32.1	96.5



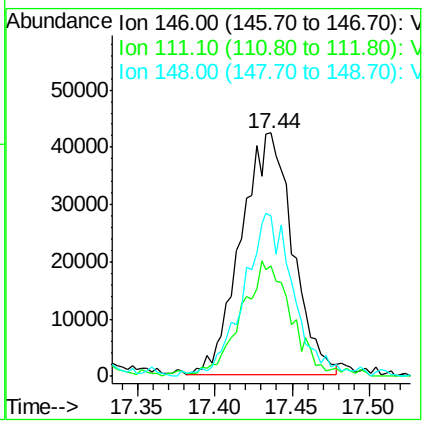


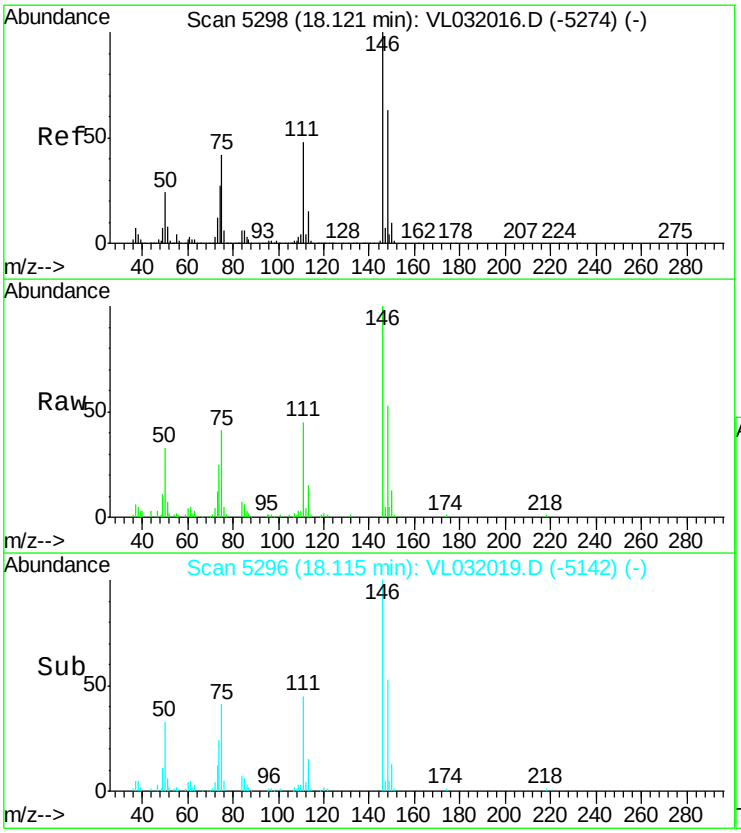
#76
1,4-Dichlorobenzene
Concen: 0.51 ppbv
RT: 17.44 min Scan# 5085
Delta R.T. -0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 98431

Ion	Ratio	Lower	Upper
146	100		
111	47.6	22.4	67.0
148	65.8	32.1	96.3

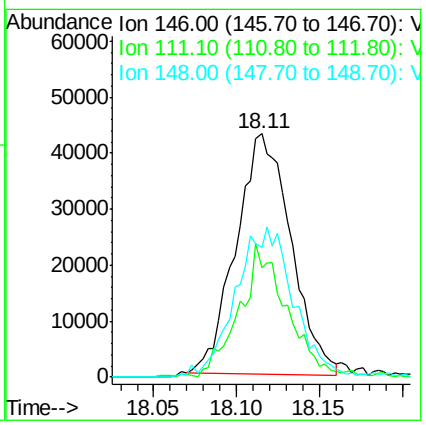


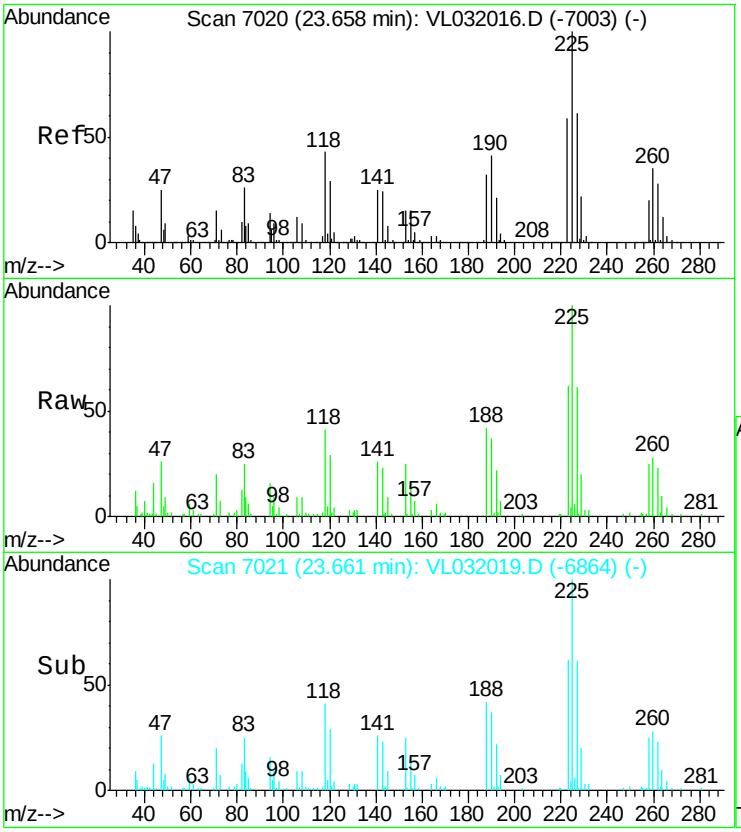


#77
1,2-Dichlorobenzene
Concen: 0.51 ppbv
RT: 18.11 min Scan# 5296
Delta R.T. -0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:146 Resp: 99043

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.2	72.6
148	66.2	32.0	96.2



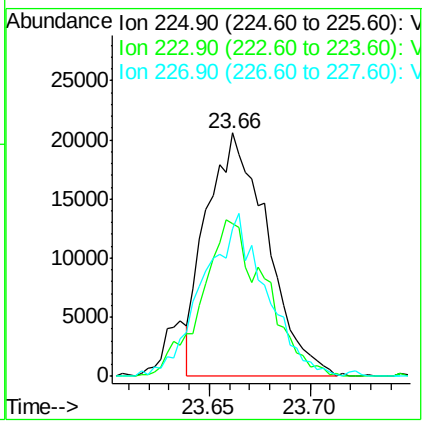


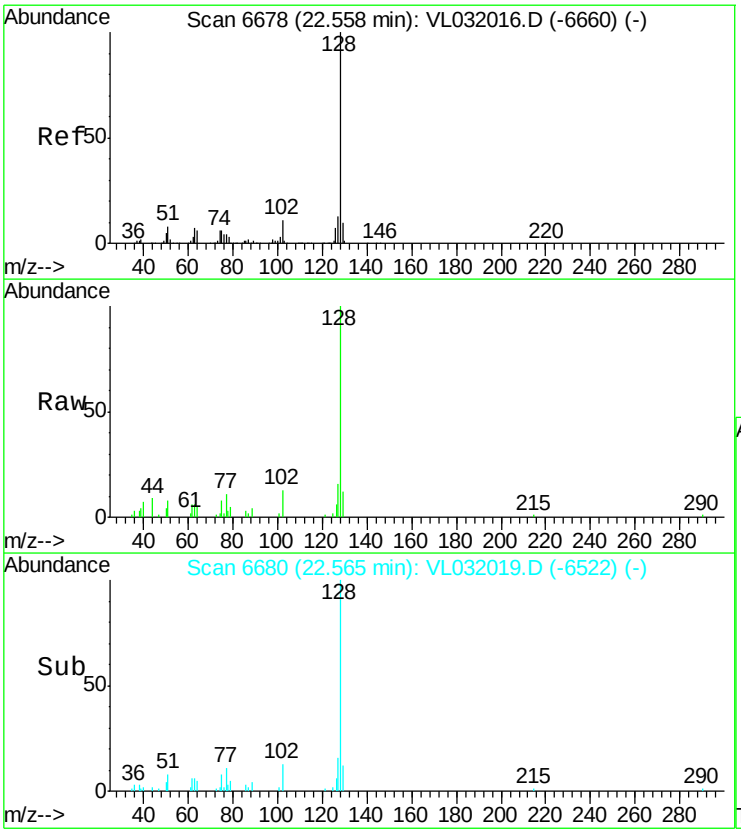
#78
Hexachloro-1,3-Butadiene
Concen: 0.54 ppbv
RT: 23.66 min Scan# 7021
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:225 Resp: 43297

Ion	Ratio	Lower	Upper
225	100		
223	67.3	49.4	74.2
227	69.1	51.2	76.8

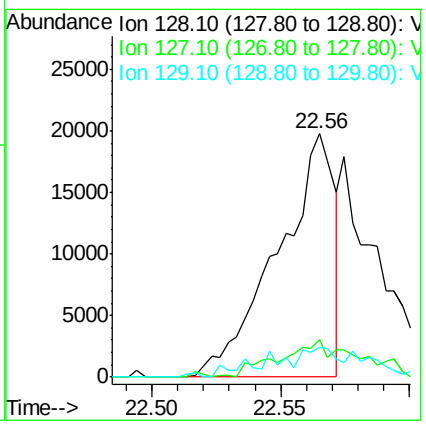


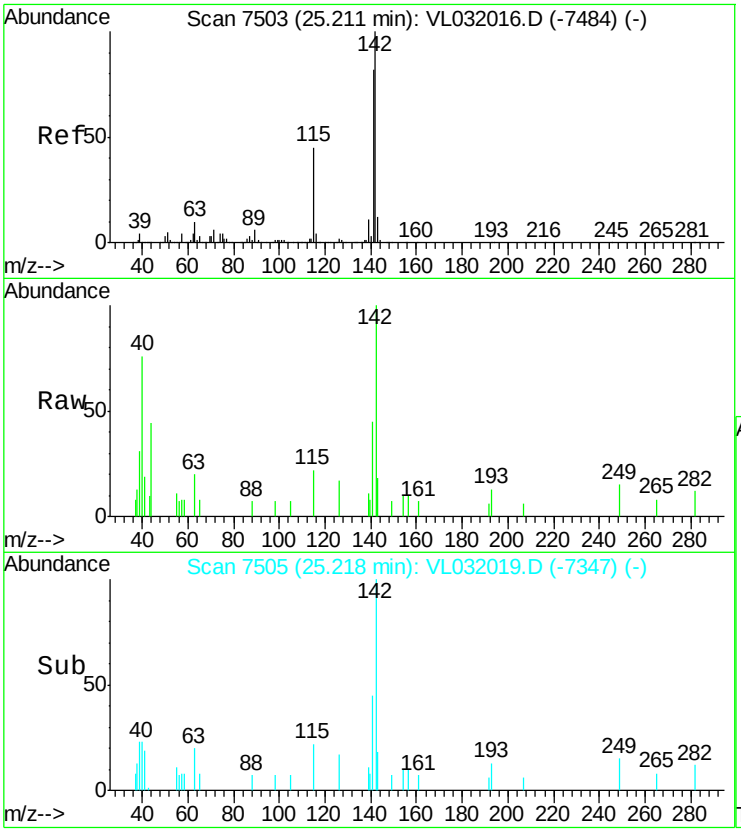


#79
Naphthalene
Concen: 0.14 ppbv
RT: 22.56 min Scan# 6680
Delta R.T. 0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:128 Resp: 30157

Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.2	15.2#
129	10.7	8.2	12.2



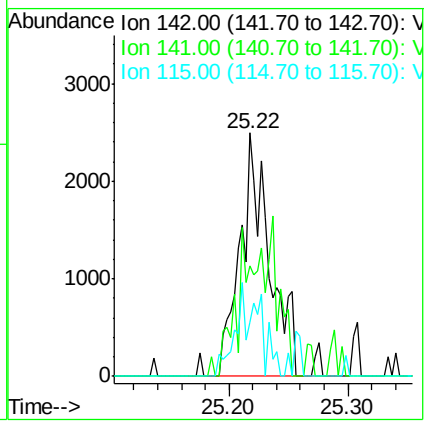


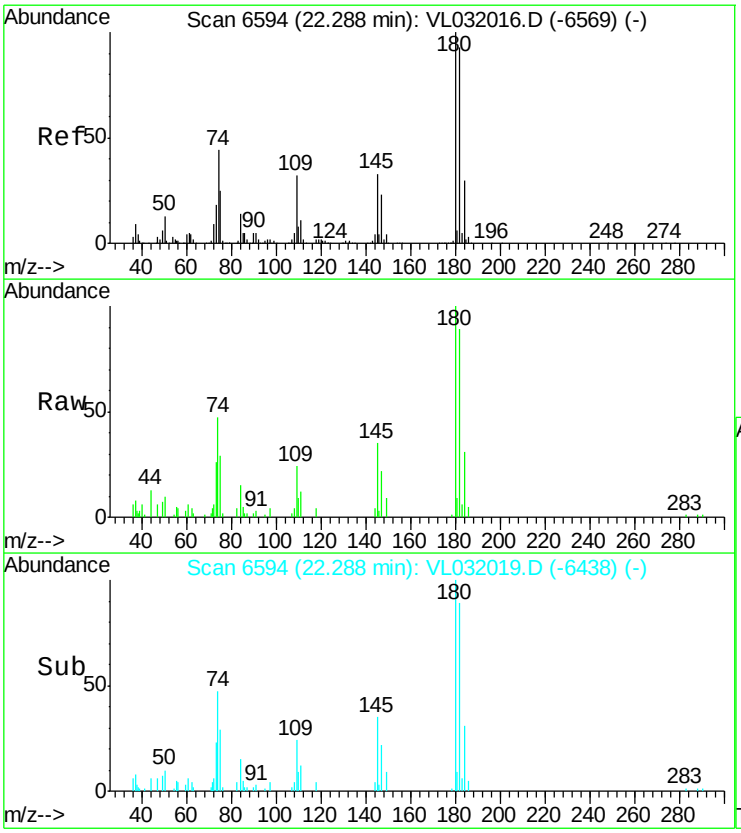
#80
Naphthalene,2-methyl-
Concen: 0.08 ppbv
RT: 25.22 min Scan# 7505
Delta R.T. 0.01 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:142 Resp: 4395

Ion	Ratio	Lower	Upper
142	100		
141	70.4	67.4	101.2
115	31.3	35.3	52.9#





#81
1,2,4-Trichlorobenzene
Concen: 0.05 ppbv
RT: 22.29 min Scan# 6594
Delta R.T. 0.00 min
Lab File: VL032019.D
Acq: 31 May 2018 18:01

Tgt Ion:180 Resp: 6183

Ion	Ratio	Lower	Upper
180	100		
182	585.2	77.8	116.6#
184	205.1	24.9	37.3#