Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
Data File : VL034319.D
Acq On : 17 Oct 2019 16:05
Operator : SY/AP
Sample : VL1017ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Quant Time: Oct 18 04:44:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	1039058	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.22	114	2004065	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.15	117	1962198	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1705261	10.26	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	35898	0.200	ppbv		91
3) Chlorodifluoromethane	2.97	51	21910	0.180	ppbv		92
4) Chloromethane	3.12	50	12923	0.179	ppbv	#	86
5) Vinyl Chloride	3.25	62	9447	0.138	ppbv		94
6) Bromomethane	3.46	94	1255	0.037	ppbv	#	29
7) Chloroethane	3.55	64	3079	0.127	ppbv		98
8) Dichlorotetrafluoroethane	3.17	85	30041	0.194	ppbv		97
9) Propene	2.99	41	9788	0.181	ppbv		88
10) Heptane	8.16	43	5667	0.041	ppbv	#	28
11) Trichlorofluoromethane	3.94	101	32182	0.189	ppbv		86
12) 1,1,2-Trichlorotrifluoroet	4.49	101	21090	0.189	ppbv		97
13) Ethanol	3.61	45	10576	0.875	ppbv		88
14) Bromoethene	3.73	108	7851	0.179	ppbv	#	89
15) Acetone	3.86	43	47839	0.322	ppbv		96
16) 1,3-Butadiene	3.32	39	10197	0.169	ppbv		94
18) 1,1-Dichloroethene	4.29	96	6913	0.142	ppbv		96
20) Methylene Chloride	4.35	84	123615	2.301	ppbv		95
21) Allyl Chloride	4.41	41	12053	0.147	ppbv	#	71
22) trans-1,2-Dichloroethene	4.90	96	8576	0.176	ppbv	#	63
23) Vinyl Acetate	5.09	43	34118	0.184	ppbv	#	94
24) 1,1-Dichloroethane	5.02	63	16592	0.120	ppbv	#	93
25) Ethyl Acetate	5.71	43	55127	0.220	ppbv	#	96
26) Hexane	5.71	57	17591	0.164	ppbv	#	17
27) Carbon Disulfide	4.56	76	15792	0.142	ppbv	#	92
28) Methyl tert-Butyl Ether	5.06	73	14151	0.087	ppbv	#	50
29) Chloroform	5.78	83	30336	0.179	ppbv		99
31) cis-1,2-Dichloroethene	5.57	61	11903	0.110	ppbv		92
32) 1,1,1-Trichloroethane	6.54	97	13341	0.081	ppbv	#	1
34) 2-Butanone	5.28	43	12969	0.079	ppbv	#	57
35) Carbon Tetrachloride	7.06	117	7542	0.043	ppbv	#	39
36) Benzene	6.93	78	30139	0.157	ppbv	#	93
37) 1,2-Dichloroethane	6.34	62	24493	0.171	ppbv	#	96
38) Trichloroethene	7.88	130	4540	0.059	ppbv	#	12
39) 1,2-Dichloropropane	7.65	63	9398	0.114	ppbv	#	81
41) Tetrahydrofuran	6.10	42	3566	0.039	ppbv	#	1
42) Bromodichloromethane	7.83	83	25866	0.147	ppbv	#	78
43) Methyl Methacrylate	8.07	69	6289	0.079	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.92	57	15529	0.044	ppbv	#	1
45) t-1,3-Dichloropropene	9.34	75	4561	0.047	ppbv	#	65
46) cis-1,3-Dichloropropene	8.76	75	5540	0.050	ppbv	#	42
47) 1,1,2-Trichloroethane	9.53	97	8464	0.101	ppbv	#	69

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
Data File : VL034319.D
Acq On : 17 Oct 2019 16:05
Operator : SY/AP
Sample : VL1017ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Quant Time: Oct 18 04:44:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) Dibromochloromethane	10.37	129	9761	0.071	ppbv	#	10
49) Bromoform	13.12	173	3751	0.031	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.82	43	30774	0.131	ppbv		96
52) Tetrachloroethene	11.29	164	2846	0.038	ppbv	#	43
53) Toluene	9.86	91	27702	0.131	ppbv		92
54) 1,2-Dibromoethane	10.68	107	10594	0.085	ppbv		81
56) 1,1,1,2-Tetrachloroethane	12.20	131	4795	0.053	ppbv	#	1
57) Chlorobenzene	12.22	112	17943	0.110	ppbv	#	87
58) Ethyl Benzene	12.78	91	43379	0.158	ppbv		90
59) m/p-Xylene	13.07	91	37069	0.156	ppbv	#	42
60) o-Xylene	13.76	91	13686	0.058	ppbv	#	33
61) Styrene	13.61	104	9182	0.055	ppbv	#	1
62) Isopropylbenzene	14.75	105	36048	0.115	ppbv	#	49
63) 1,1,2,2-Tetrachloroethane	13.76	83	33327	0.175	ppbv	#	26
64) n-propylbenzene	15.64	120	7310	0.091	ppbv	#	1
65) tert-Butylbenzene	16.83	119	14194	0.051	ppbv	#	14
66) Benzyl Chloride	17.08	91	3916	0.036	ppbv	#	1
67) sec-Butylbenzene	17.37	105	35369	0.091	ppbv	#	58
69) p-Isopropyltoluene	17.73	119	37919	0.119	ppbv	#	61
70) n-Butylbenzene	18.64	91	74954	0.217	ppbv	#	93
71) 2-Chlorotoluene	15.53	91	23187	0.096	ppbv	#	45
72) 4-Ethyltoluene	15.92	105	37391	0.141	ppbv	#	86
73) 1,3,5-Trimethylbenzene	16.08	105	31794	0.121	ppbv		99
74) 1,2,4-Trimethylbenzene	16.85	105	33770	0.123	ppbv	#	87
75) 1,3-Dichlorobenzene	17.09	146	23962	0.145	ppbv	#	22
76) 1,4-Dichlorobenzene	17.23	146	13651	0.085	ppbv	#	1
77) 1,2-Dichlorobenzene	17.90	146	21591	0.133	ppbv	#	12
78) Hexachloro-1,3-Butadiene	23.46	225	38132	0.285	ppbv	#	30
79) Naphthalene	22.32	128	99583	0.496	ppbv	#	95
80) Naphthalene,2-methyl-	25.05	142	78413	1.351	ppbv		96
81) 1,2,4-Trichlorobenzene	22.04	180	15241	0.116	ppbv	#	1

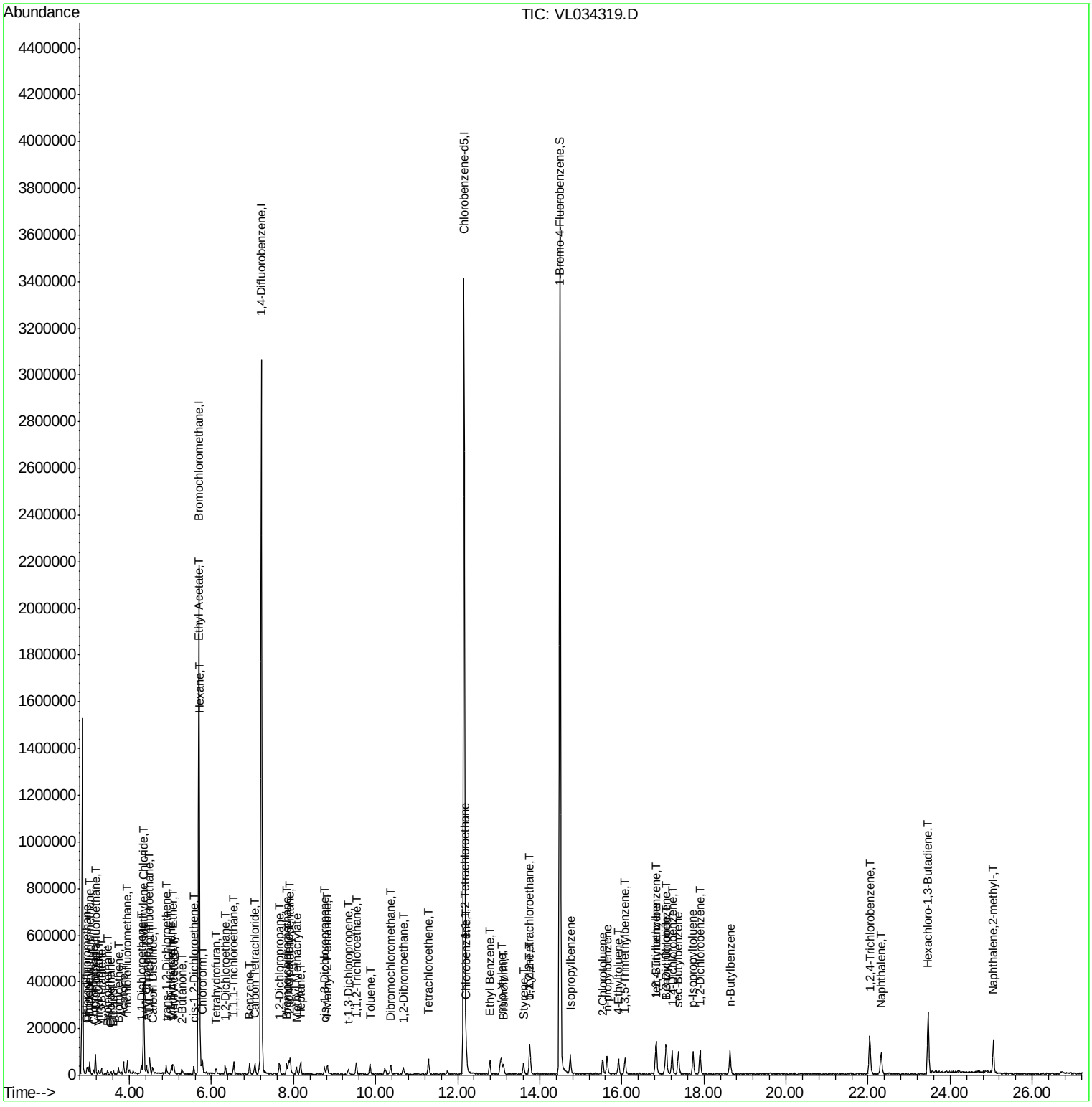
(#) = qualifier out of range (m) = manual integration (+) = signals summed

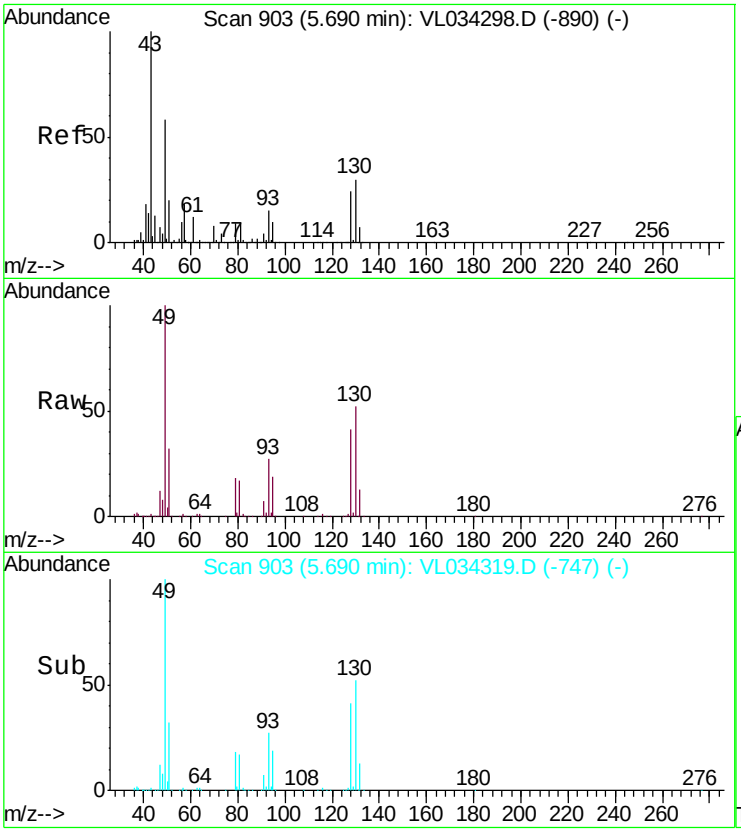
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101719\
Data File : VL034319.D
Acq On : 17 Oct 2019 16:05
Operator : SY/AP
Sample : VL1017ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Quant Time: Oct 18 04:44:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 17 05:12:37 2019
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration



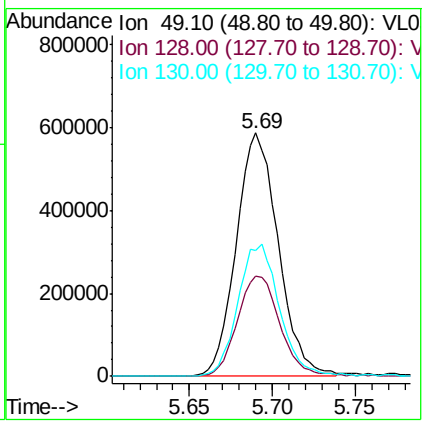


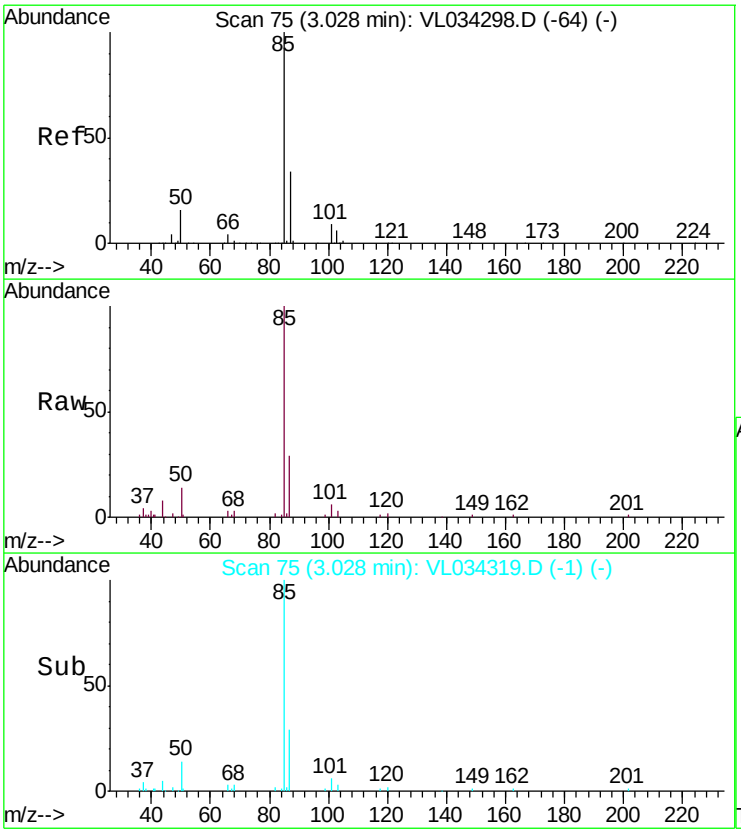
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 49 Resp: 1039058

Ion	Ratio	Lower	Upper
49	100		
128	42.2	20.6	61.8
130	54.3	26.2	78.5

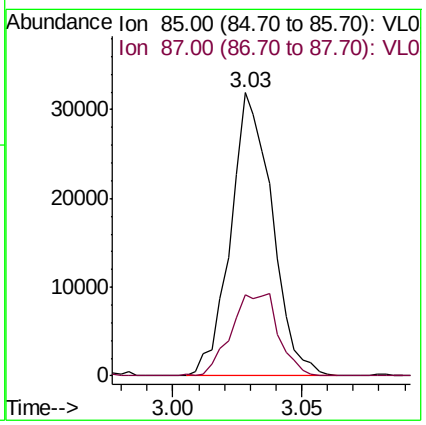


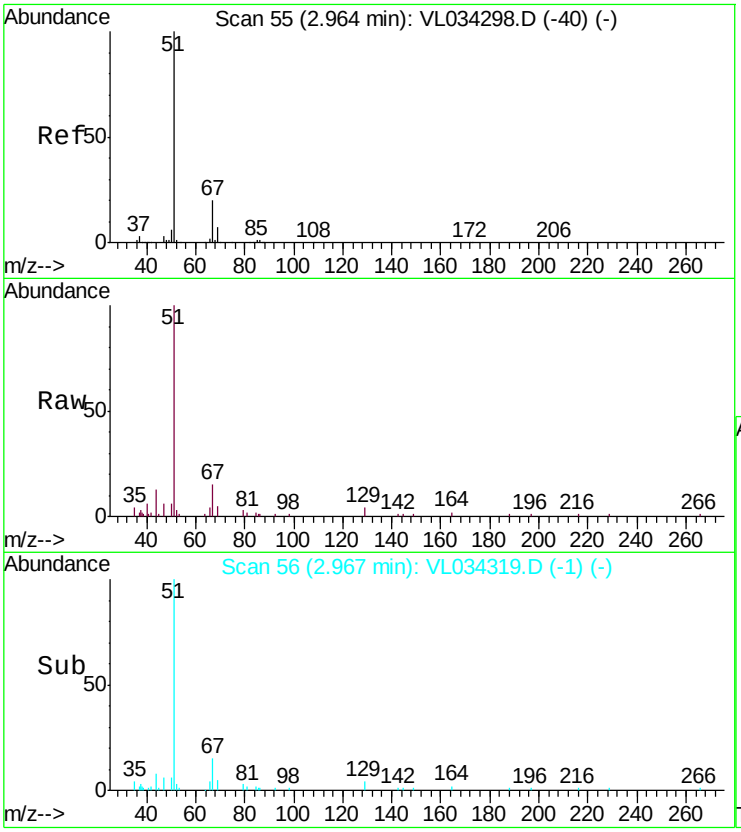


#2
Dichlorodifluoromethane
Concen: 0.200 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 85 Resp: 35898

Ion	Ratio	Lower	Upper
85	100		
87	28.5	27.0	40.6



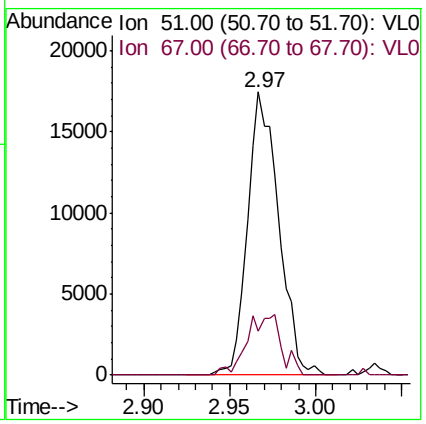


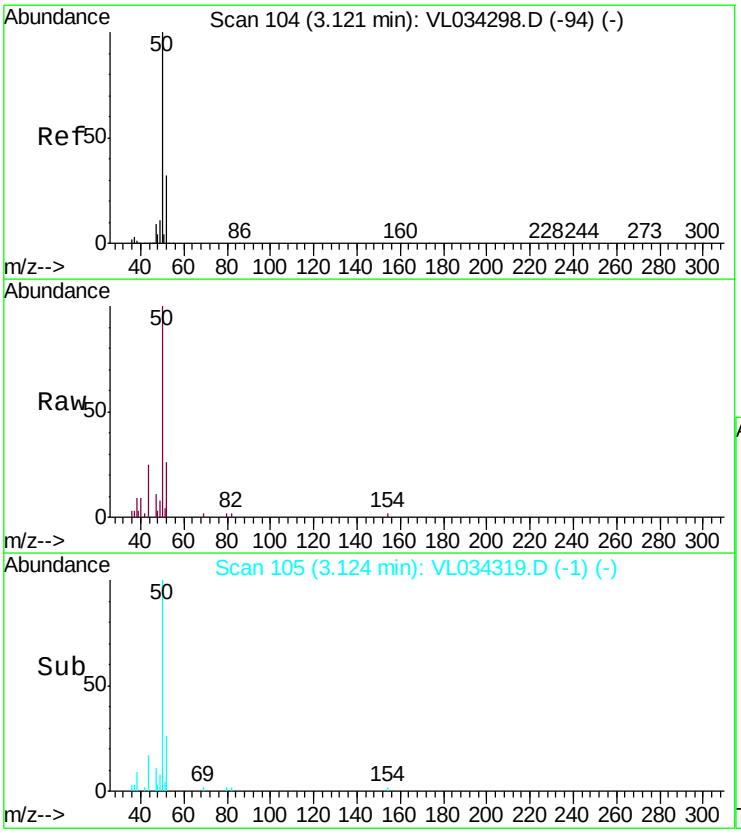
#3
Chlorodifluoromethane
Concen: 0.180 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 51 Resp: 21910

Ion	Ratio	Lower	Upper
51	100		
67	23.6	15.8	23.8

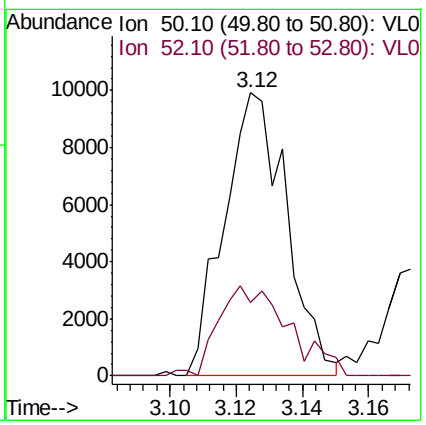


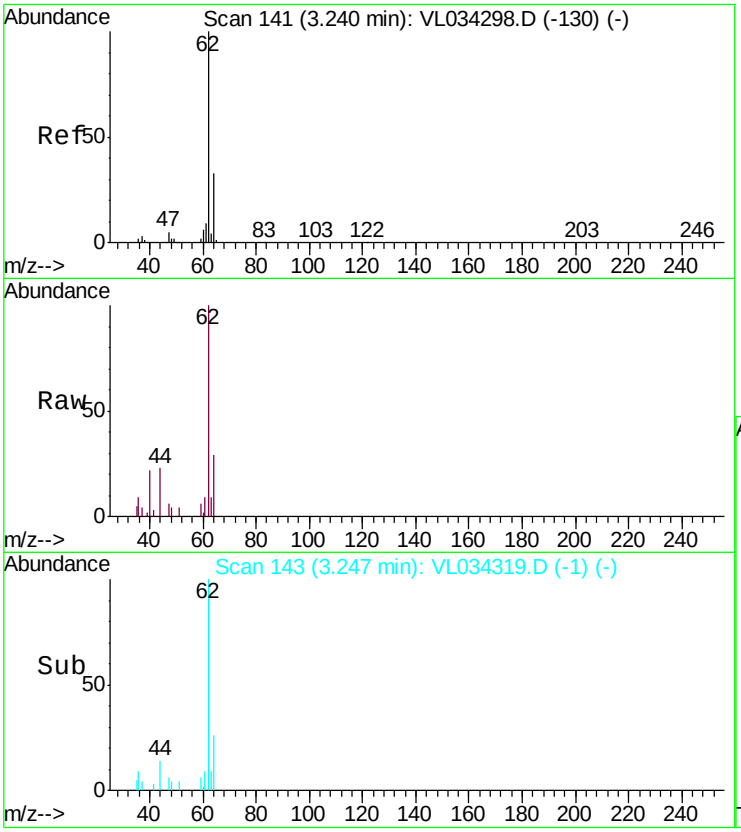


#4
Chloromethane
Concen: 0.179 ppbv
RT: 3.12 min Scan# 105
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 50 Resp: 12923

Ion	Ratio	Lower	Upper
50	100		
52	24.2	25.4	38.2#



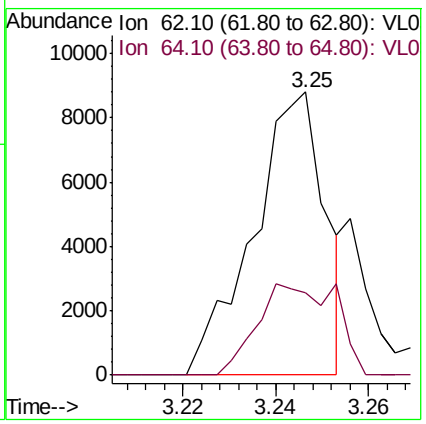


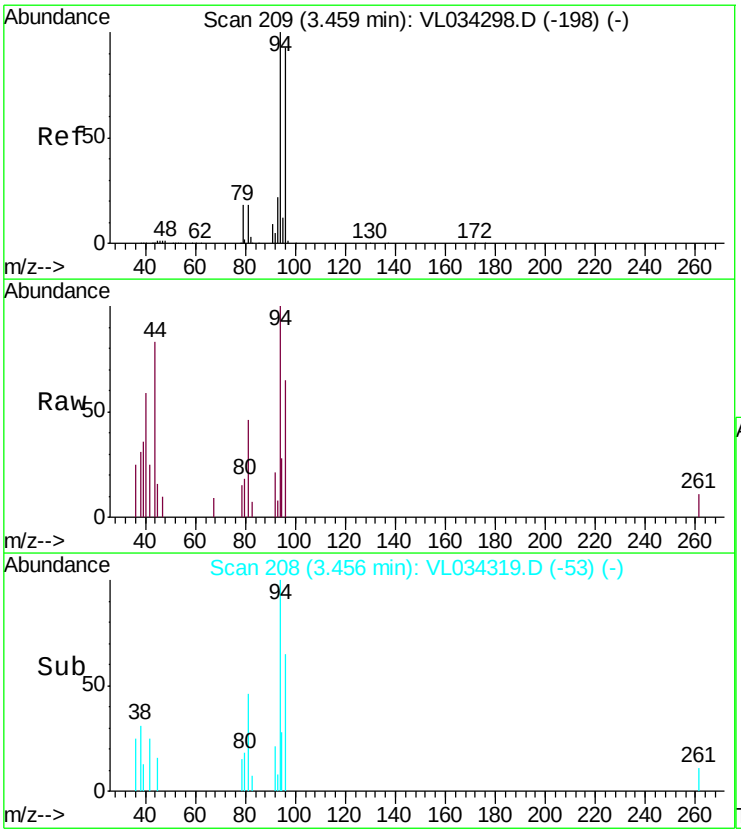
#5
Vinyl Chloride
Concen: 0.138 ppbv
RT: 3.25 min Scan# 143
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 62 Resp: 9447

Ion	Ratio	Lower	Upper
62	100		
64	29.0	26.0	39.0

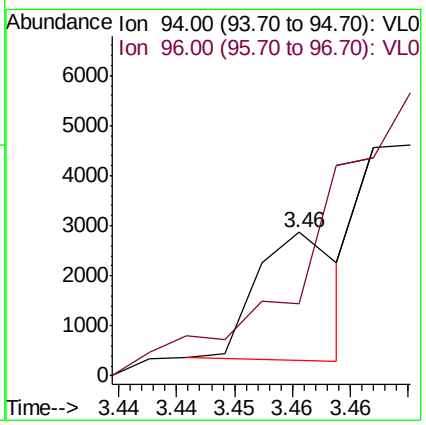


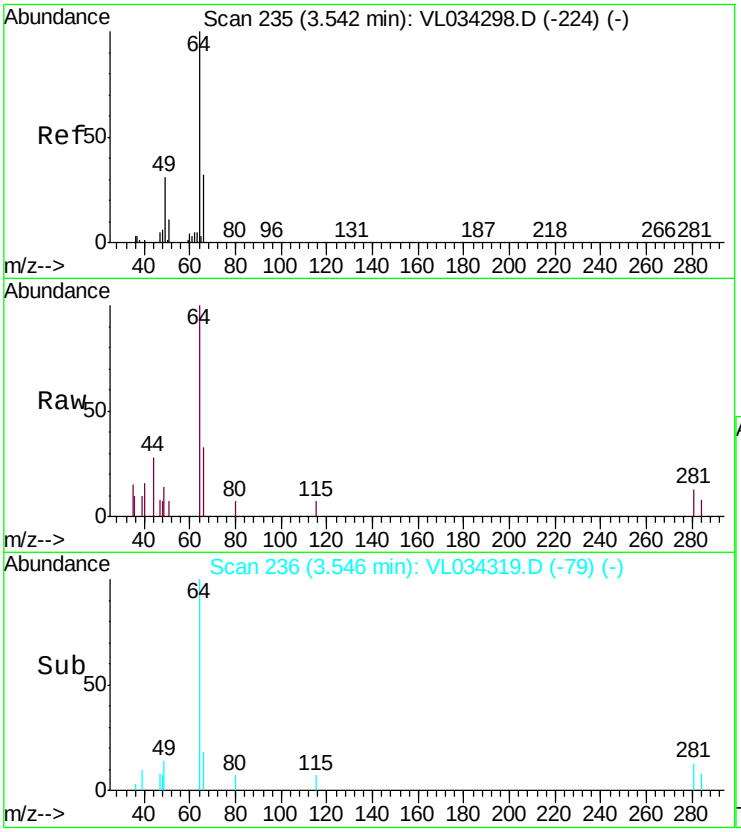


#6
Bromomethane
Concen: 0.037 ppbv
RT: 3.46 min Scan# 208
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 94 Resp: 1255

Ion	Ratio	Lower	Upper
94	100		
96	25.2	74.6	112.0#



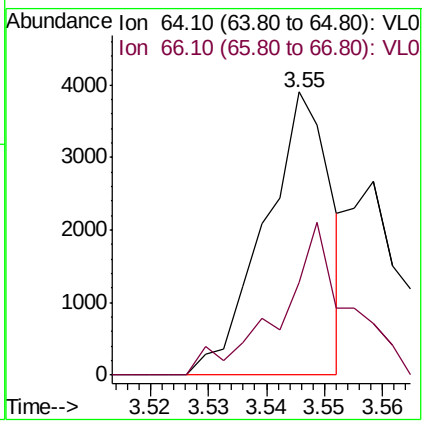


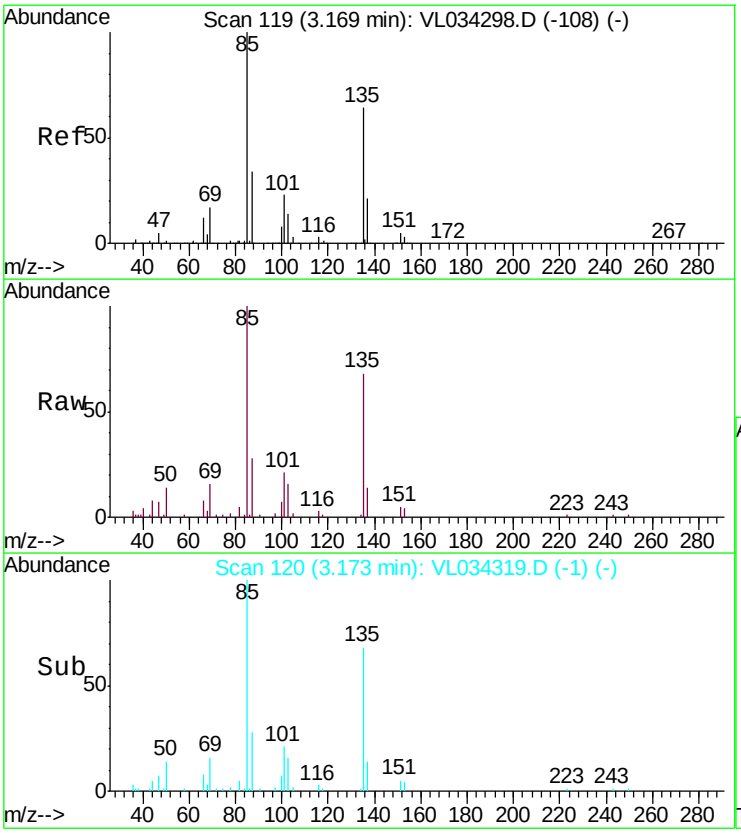
#7
Chloroethane
Concen: 0.127 ppbv
RT: 3.55 min Scan# 236
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 64 Resp: 3079

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.4	38.0

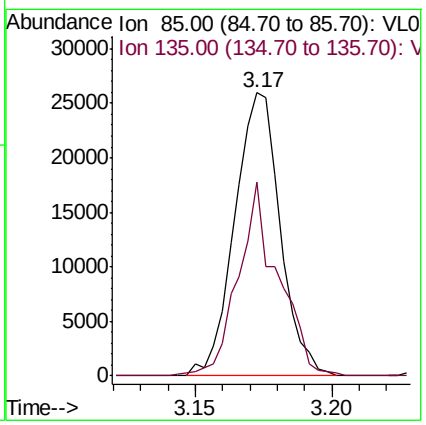


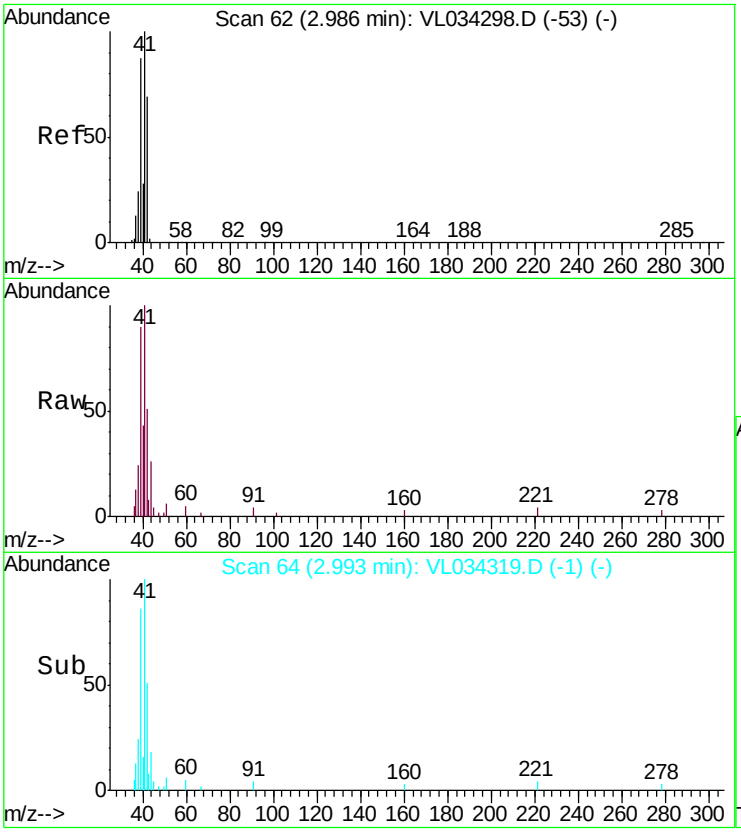


#8
Dichlorotetrafluoroethane
Concen: 0.194 ppbv
RT: 3.17 min Scan# 120
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 85 Resp: 30041

Ion	Ratio	Lower	Upper
85	100		
135	60.2	50.2	75.2



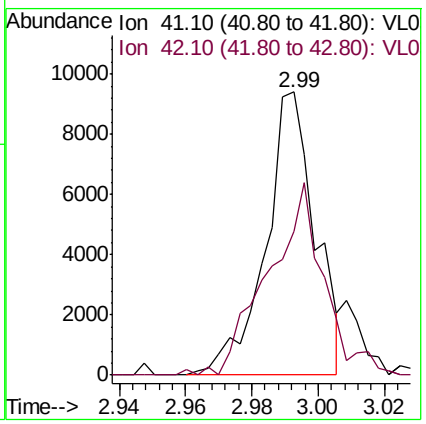


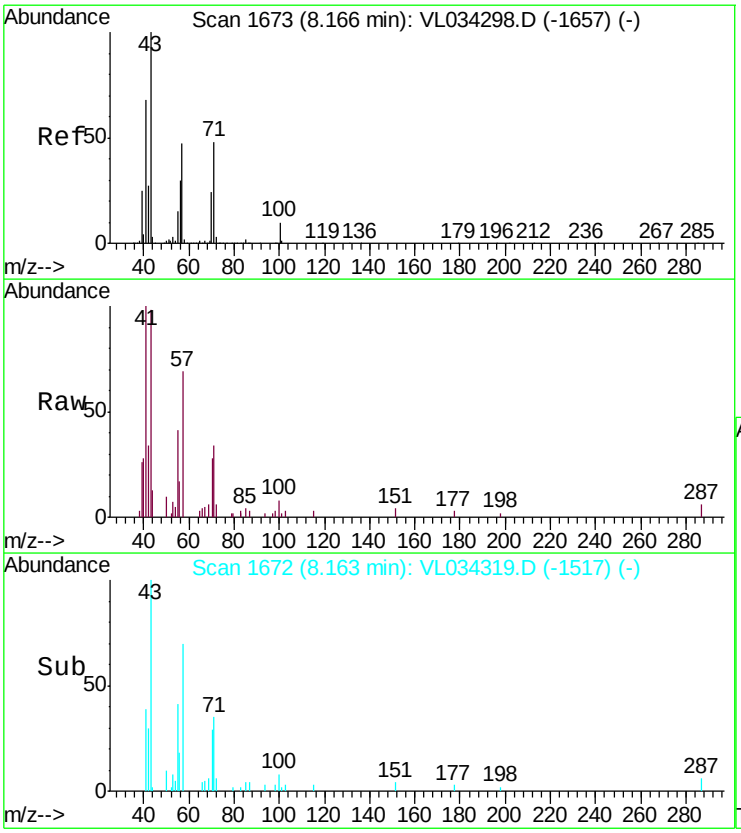
#9
Propene
Concen: 0.181 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 41 Resp: 9788

Ion	Ratio	Lower	Upper
41	100		
42	77.0	53.9	80.9

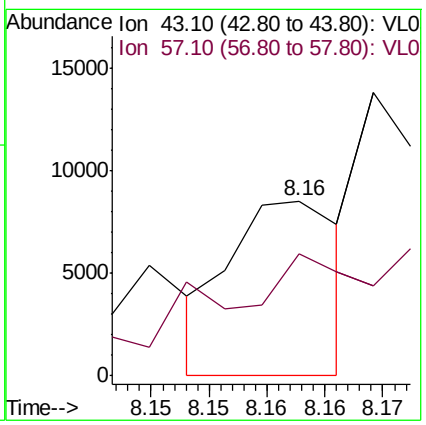


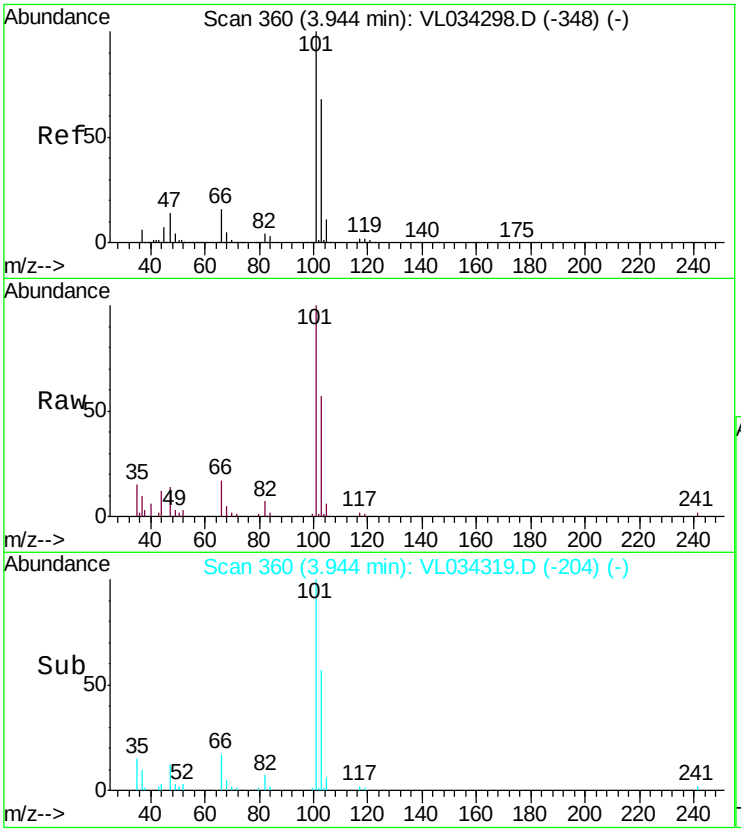


#10
Heptane
Concen: 0.041 ppbv
RT: 8.16 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 43 Resp: 5667

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.5	59.3#



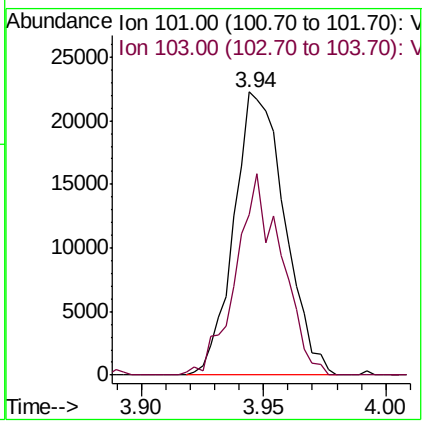


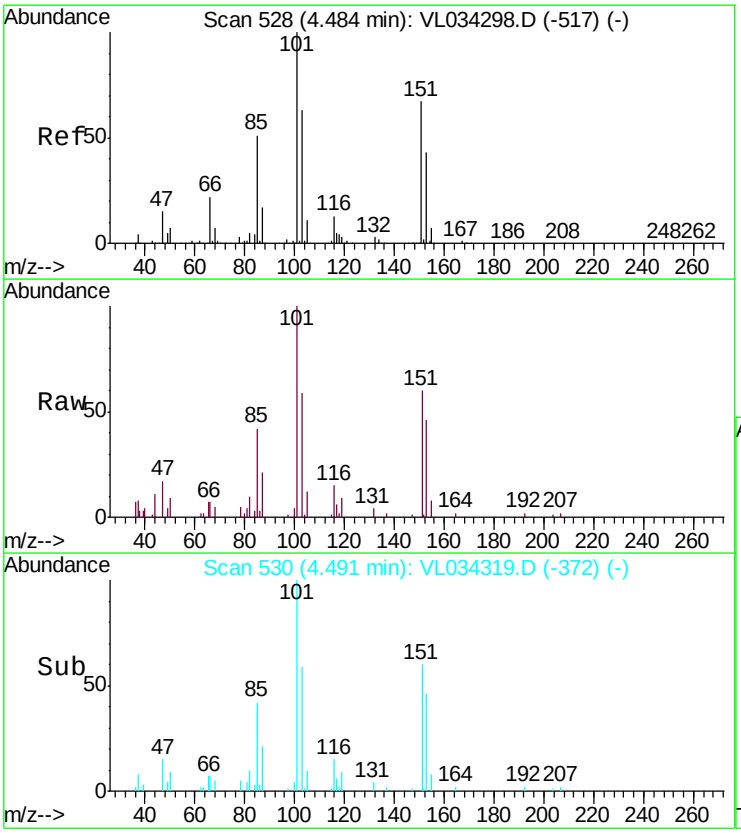
#11
Trichlorofluoromethane
Concen: 0.189 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:101 Resp: 32182

Ion	Ratio	Lower	Upper
101	100		
103	56.6	54.5	81.7

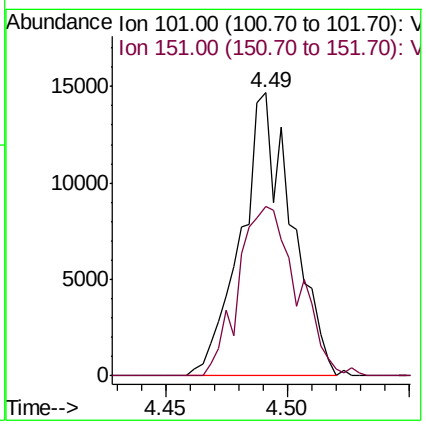


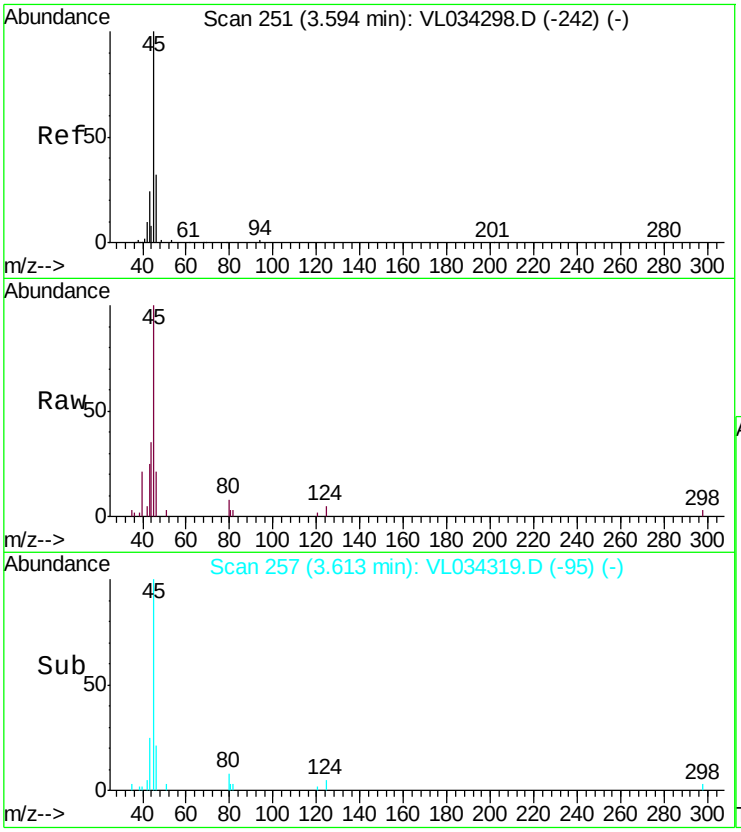


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.189 ppbv
RT: 4.49 min Scan# 530
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:101 Resp: 21090

Ion	Ratio	Lower	Upper
101	100		
151	69.7	57.4	86.2



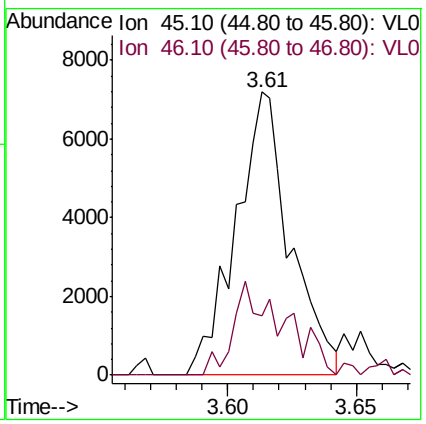


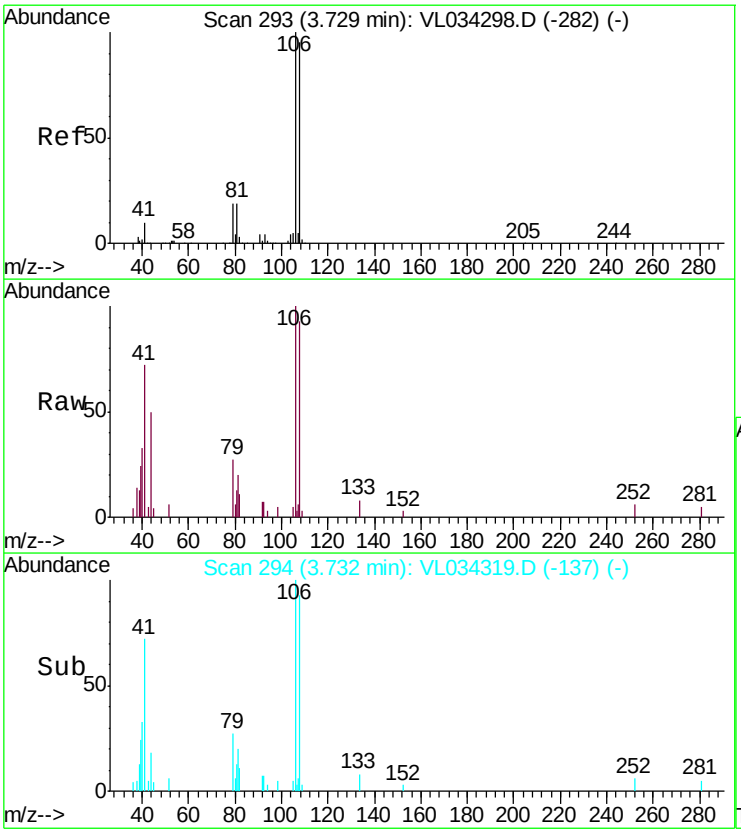
#13
Ethanol
Concen: 0.875 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.02 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 45 Resp: 10576

Ion	Ratio	Lower	Upper
45	100		
46	32.1	15.8	63.2

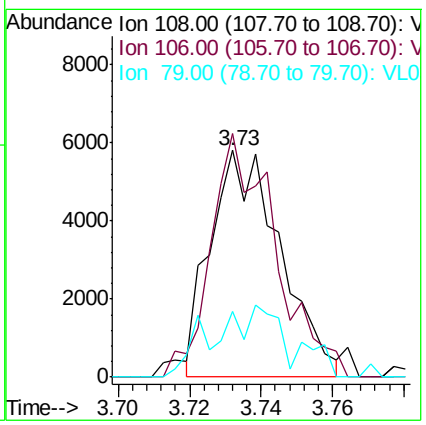


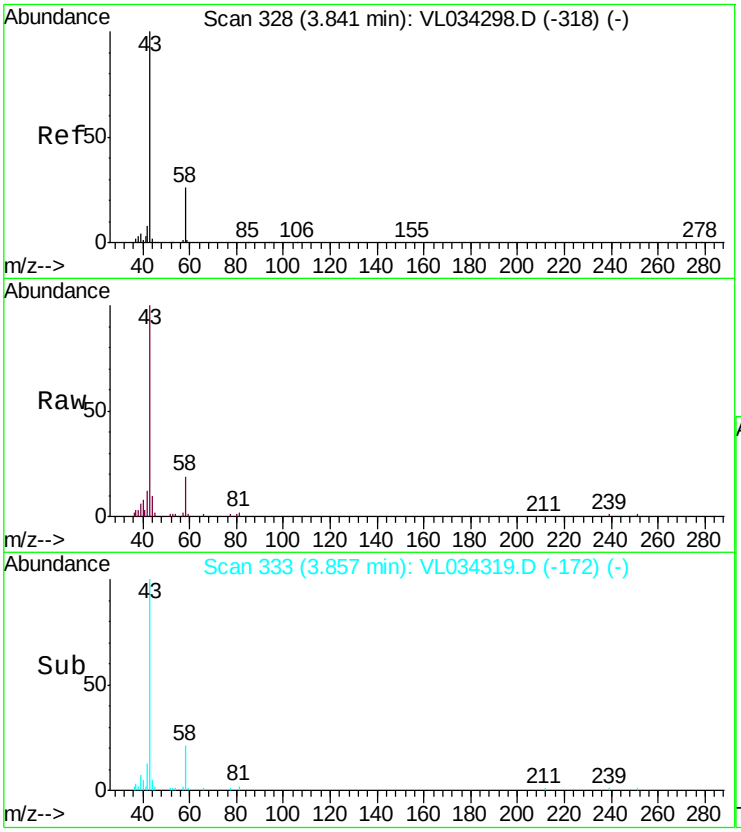


#14
Bromoethene
Concen: 0.179 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:108 Resp: 7851

Ion	Ratio	Lower	Upper
108	100		
106	99.1	84.8	127.2
79	35.7	17.0	25.4#



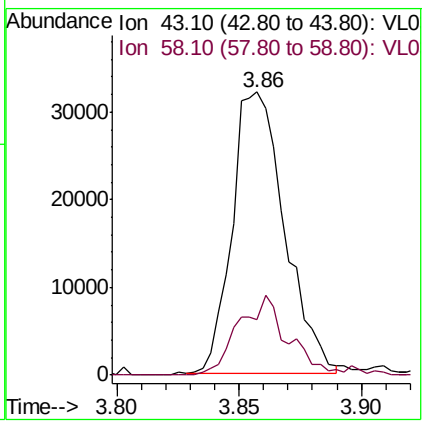


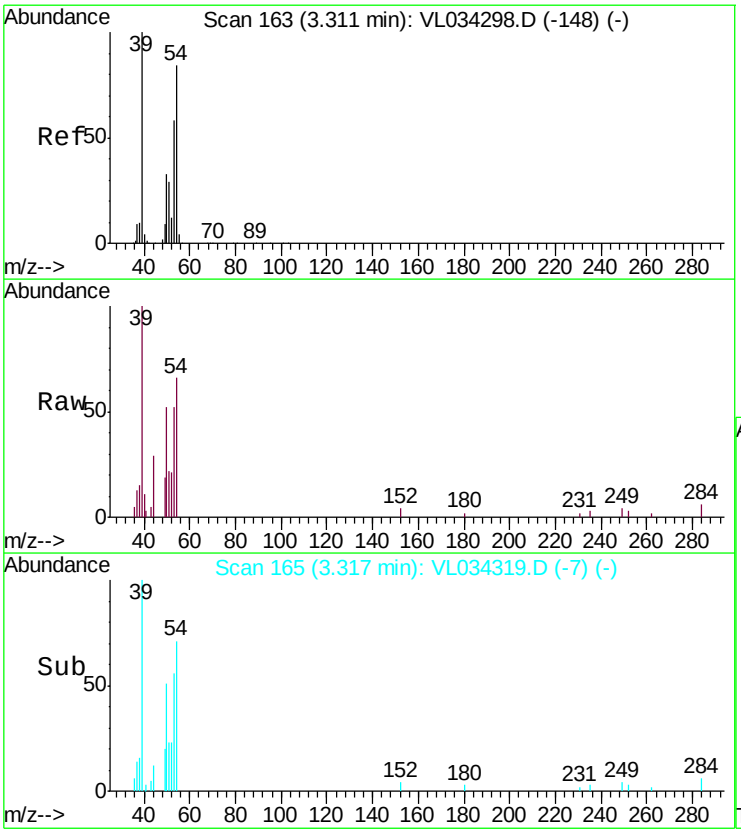
#15
Acetone
Concen: 0.322 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 43 Resp: 47839

Ion	Ratio	Lower	Upper
43	100		
58	27.7	20.4	30.6

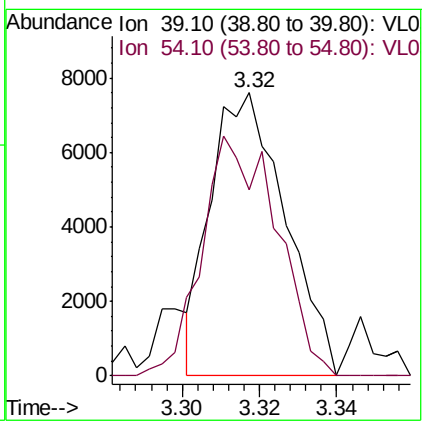


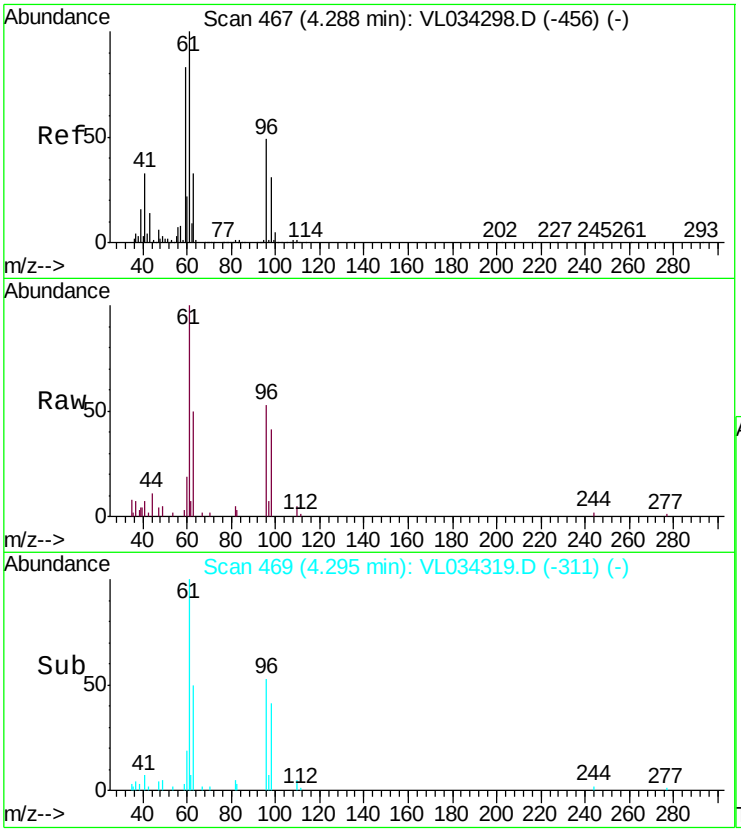


#16
1,3-Butadiene
Concen: 0.169 ppbv
RT: 3.32 min Scan# 165
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 39 Resp: 10197

Ion	Ratio	Lower	Upper
39	100		
54	85.2	63.9	95.9



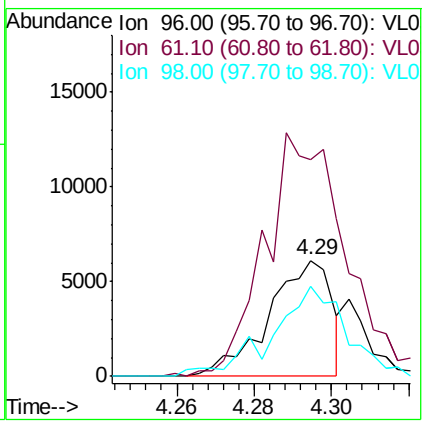


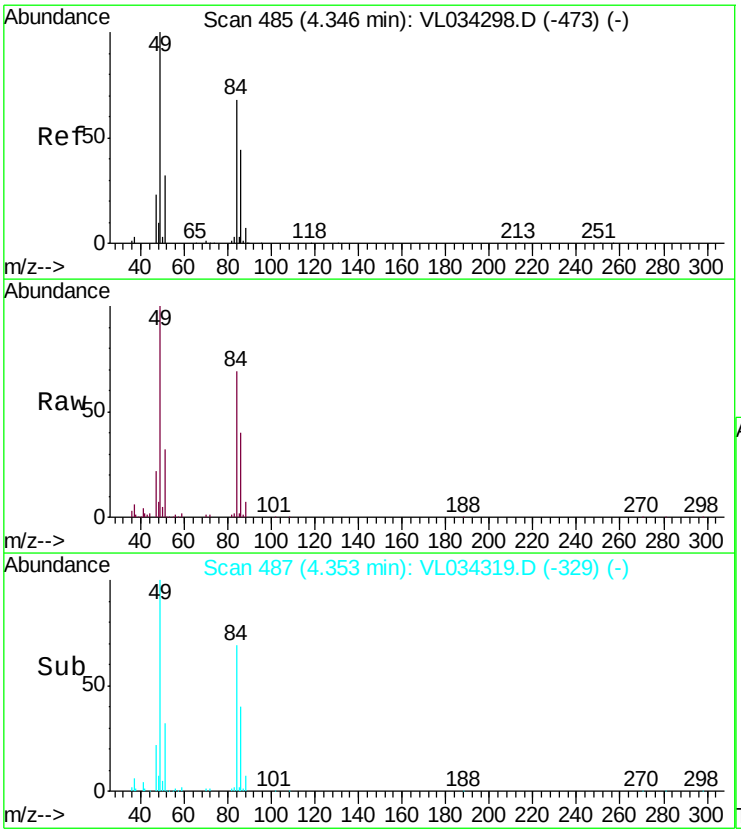
#18
1,1-Dichloroethene
Concen: 0.142 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 96 Resp: 6913

Ion	Ratio	Lower	Upper
96	100		
61	200.7	164.5	246.7
98	71.0	51.7	77.5

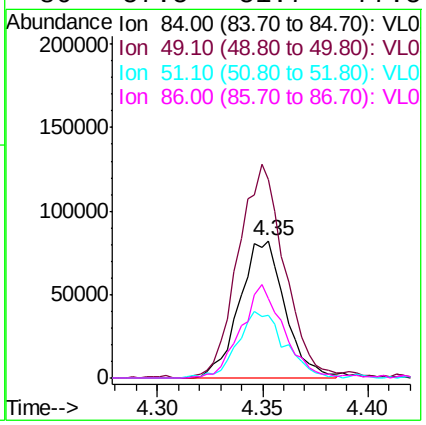


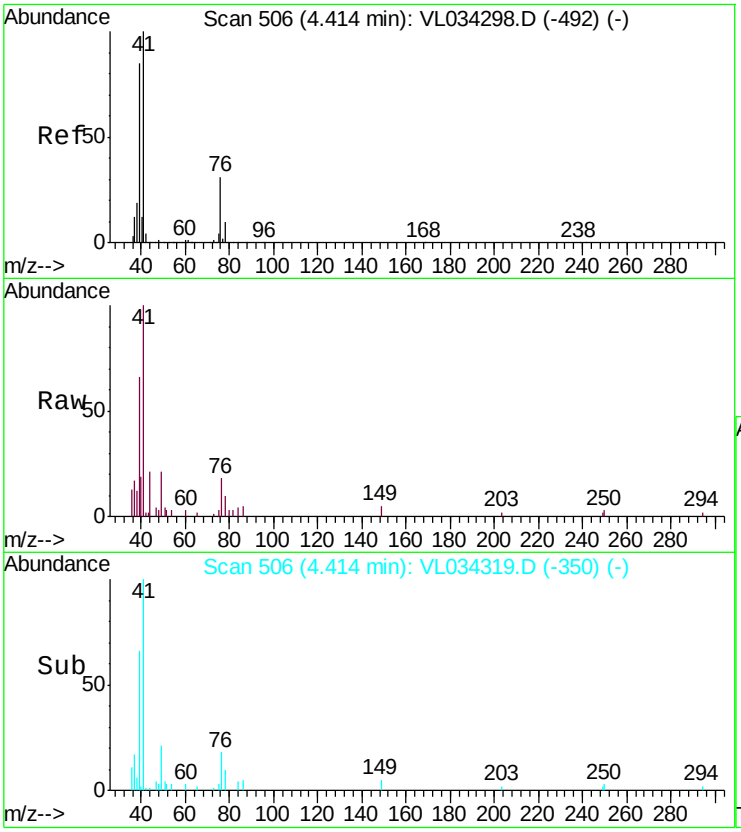


#20
Methylene Chloride
Concen: 2.301 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 84 Resp: 123615

Ion	Ratio	Lower	Upper
84	100		
49	144.3	118.5	177.7
51	44.8	38.8	58.2
86	57.5	51.7	77.5



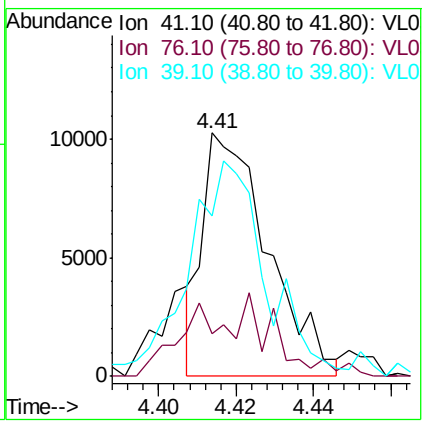


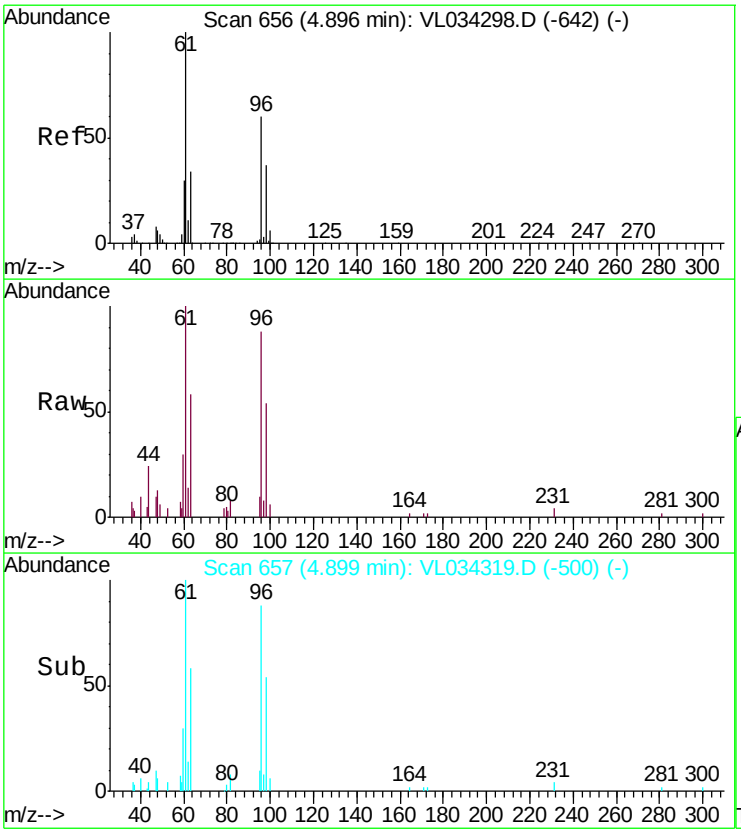
#21
Allyl Chloride
Concen: 0.147 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 41 Resp: 12053

Ion	Ratio	Lower	Upper
41	100		
76	39.5	22.8	34.2#
39	110.9	66.0	99.0#

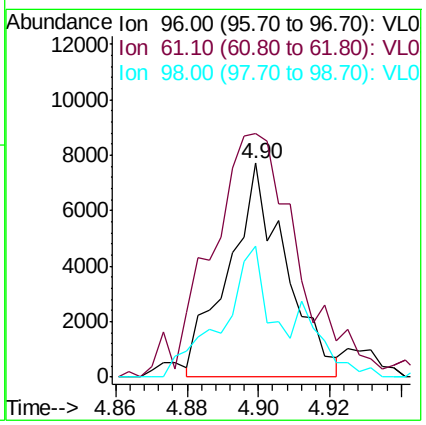


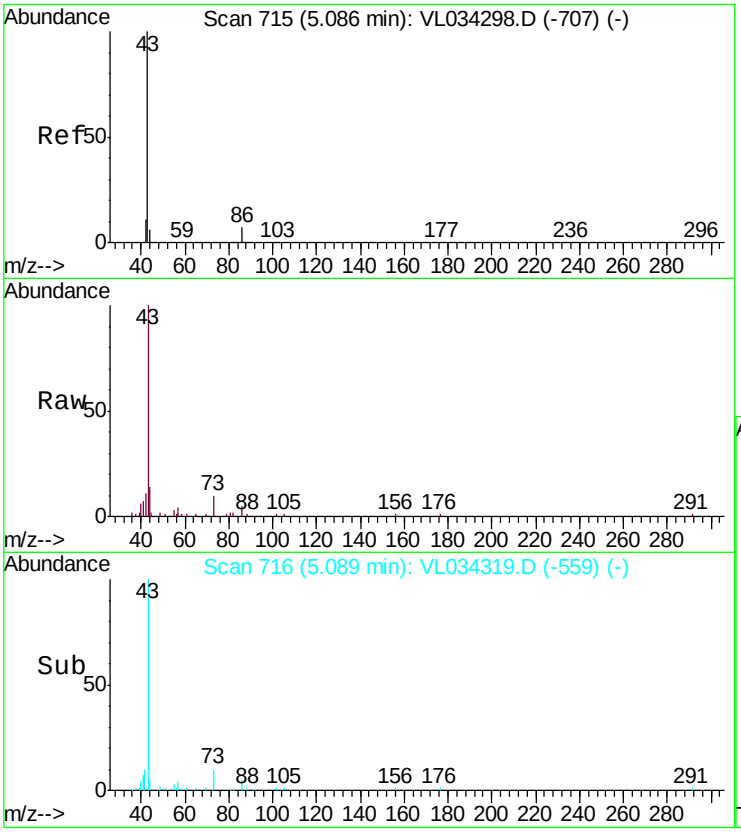


#22
trans-1,2-Dichloroethene
Concen: 0.176 ppbv
RT: 4.90 min Scan# 657
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 96 Resp: 8576

Ion	Ratio	Lower	Upper
96	100		
61	101.2	133.8	200.6#
98	56.7	49.4	74.0



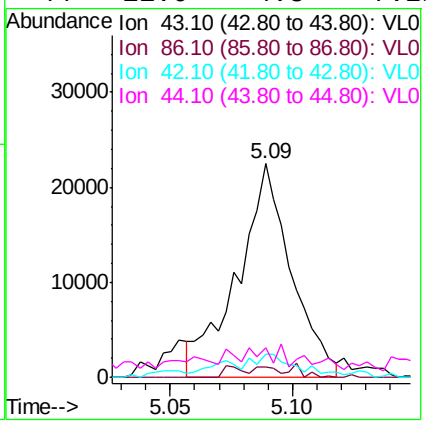


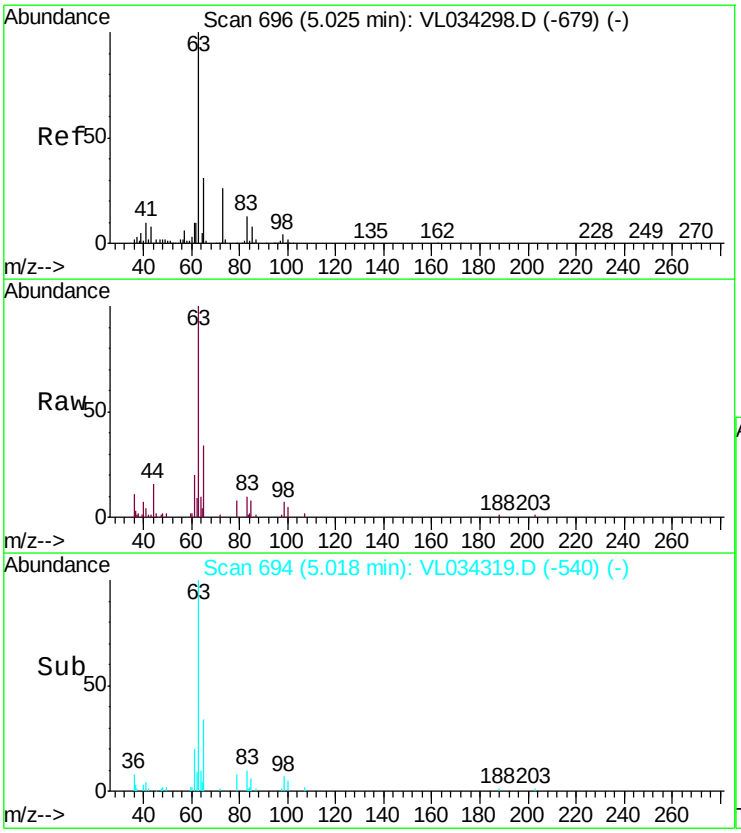
#23
Vinyl Acetate
Concen: 0.184 ppbv
RT: 5.09 min Scan# 716
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 43 Resp: 34118

Ion	Ratio	Lower	Upper
43	100		
86	5.0	5.0	7.4
42	9.8	8.6	13.0
44	11.0	4.8	7.2#

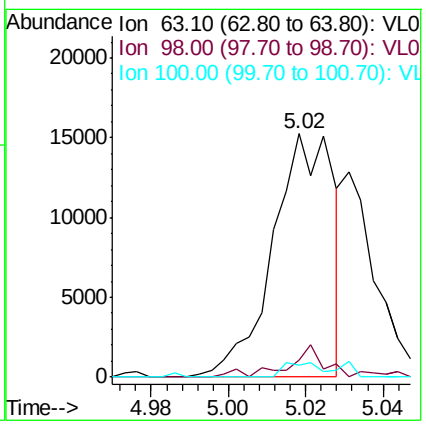


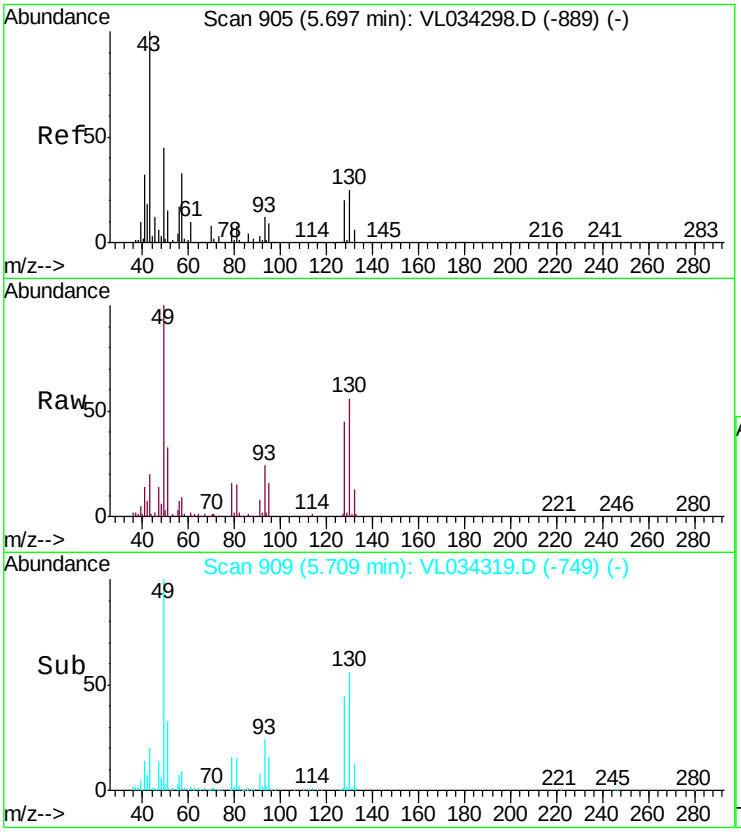


#24
1,1-Dichloroethane
Concen: 0.120 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 63 Resp: 16592

Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.0	6.0#
100	4.4	1.1	3.5#



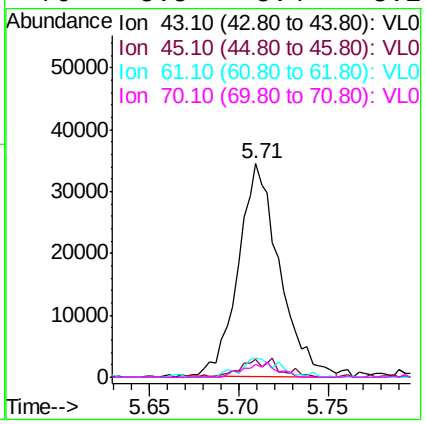


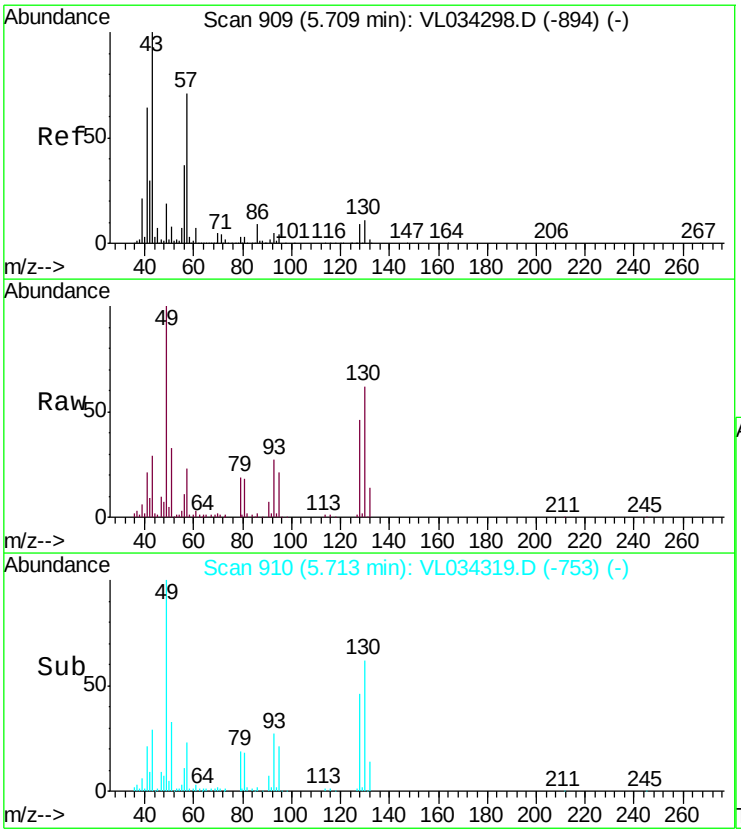
#25
Ethyl Acetate
Concen: 0.220 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 43 Resp: 55127

Ion	Ratio	Lower	Upper
43	100		
45	8.0	8.3	12.5#
61	9.0	7.7	11.5
70	5.5	5.4	8.2

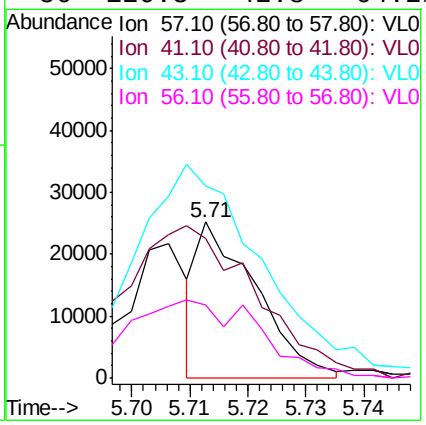


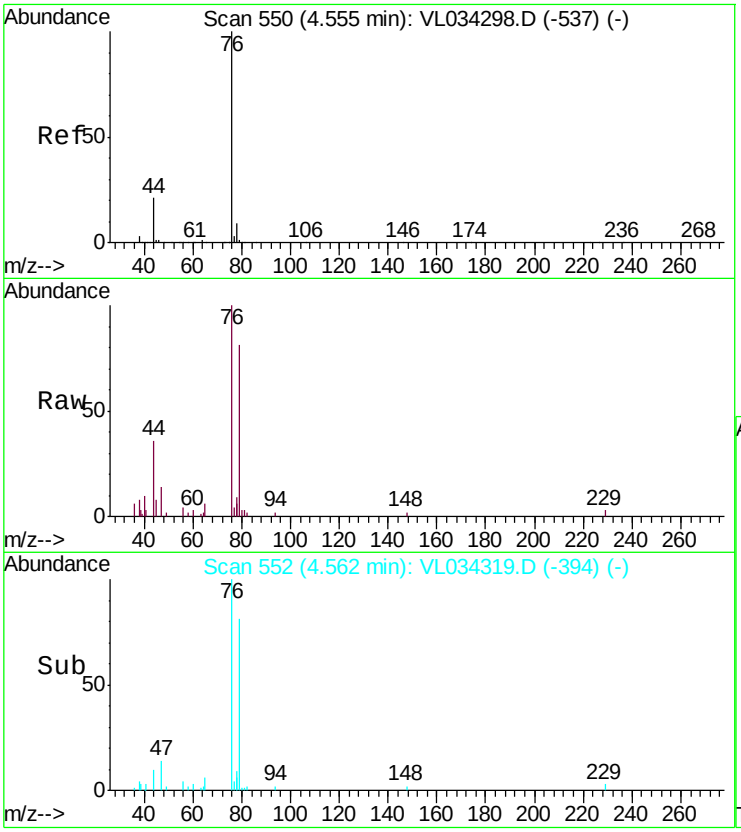


#26
Hexane
Concen: 0.164 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 57 Resp: 17591

Ion	Ratio	Lower	Upper
57	100		
41	233.1	76.5	114.7#
43	330.0	188.5	282.7#
56	120.3	42.8	64.2#



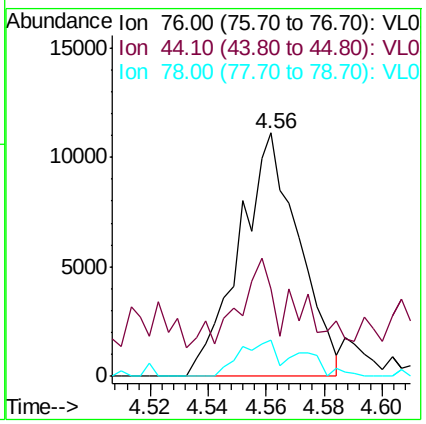


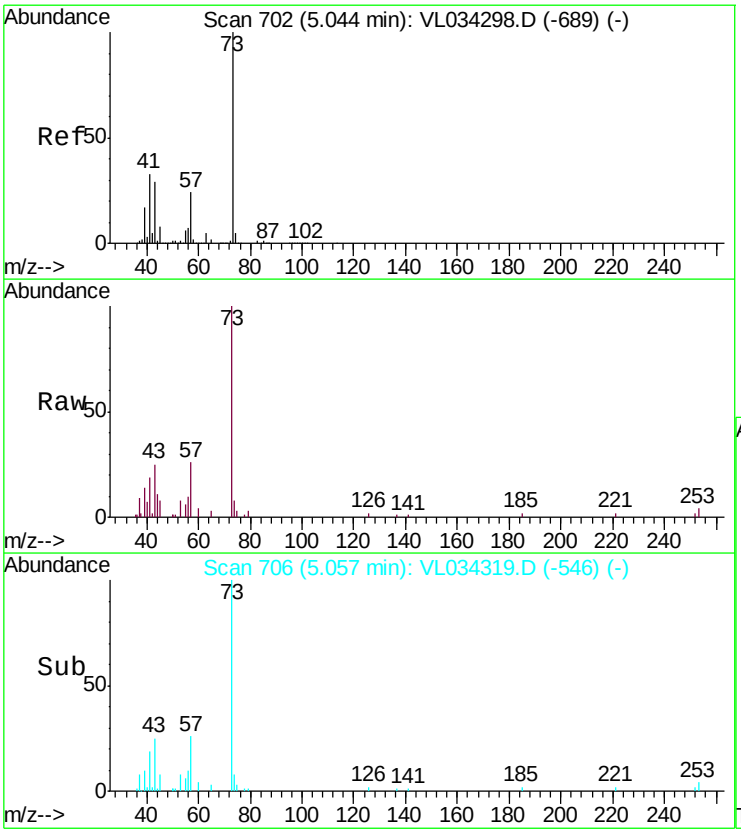
#27
Carbon Disulfide
Concen: 0.142 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 76 Resp: 15792

Ion	Ratio	Lower	Upper
76	100		
44	19.0	17.3	25.9
78	14.7	7.8	11.6#

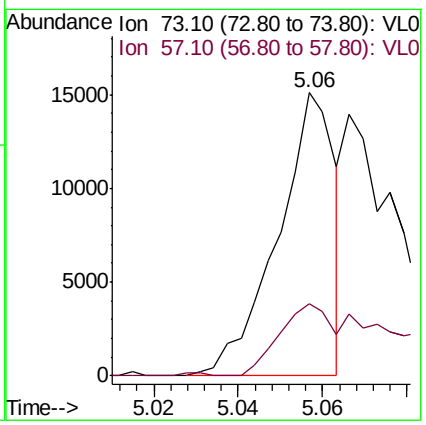


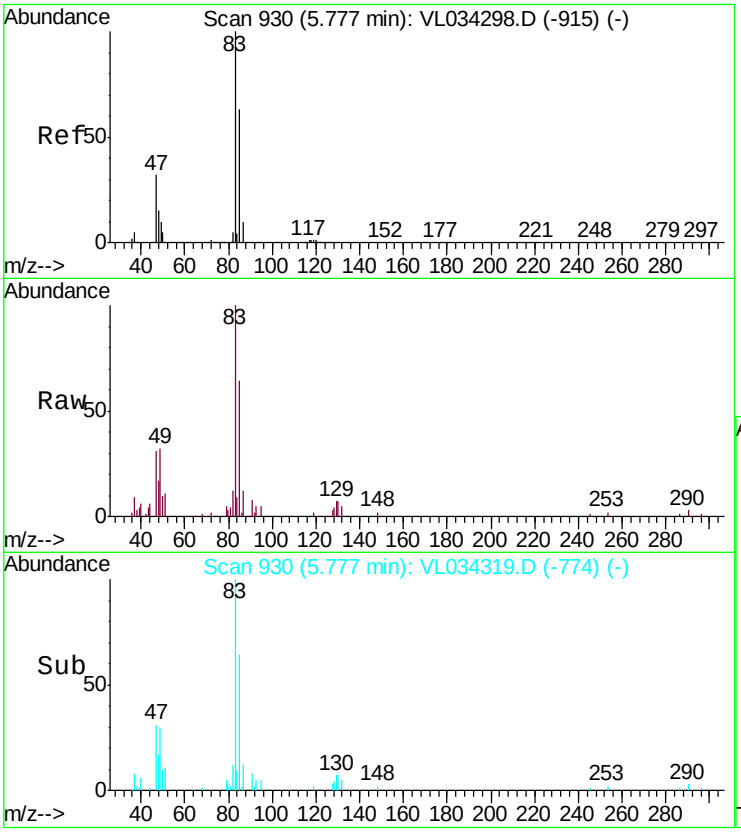


#28
Methyl tert-Butyl Ether
Concen: 0.087 ppbv
RT: 5.06 min Scan# 706
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 73 Resp: 14151

Ion	Ratio	Lower	Upper
73	100		
57	48.5	19.2	28.8#



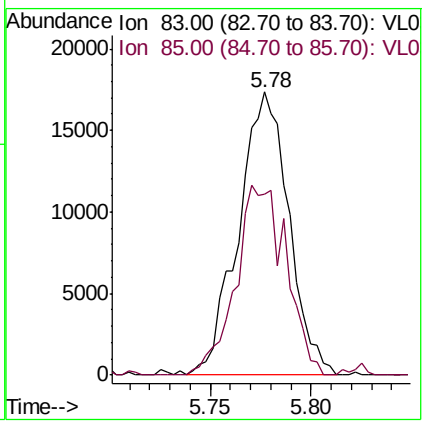


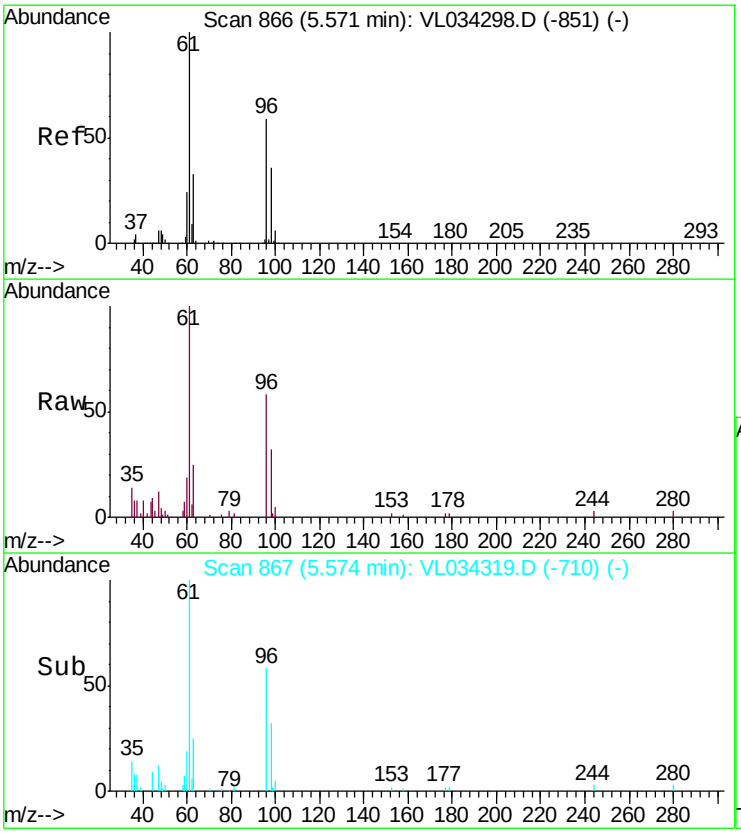
#29
Chloroform
Concen: 0.179 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 83 Resp: 30336

Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.5	75.7

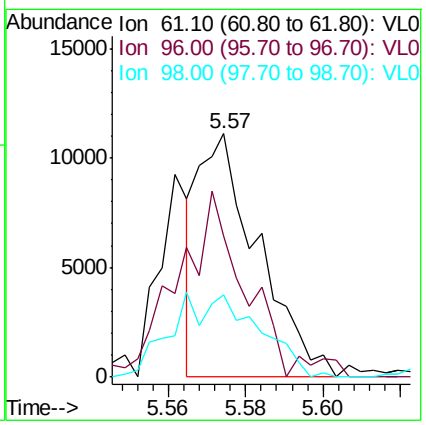


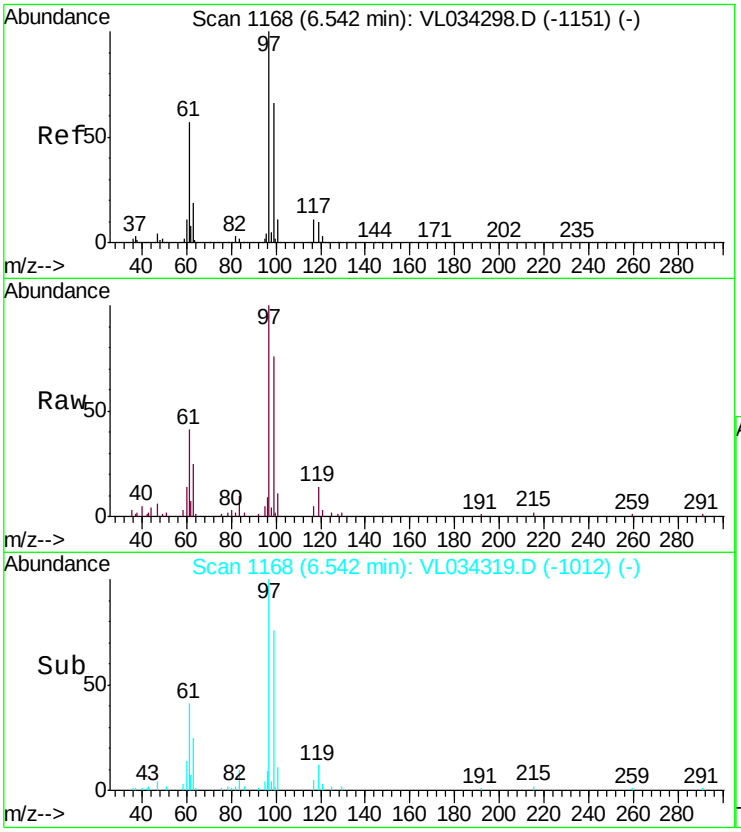


#31
cis-1,2-Dichloroethene
Concen: 0.110 ppbv
RT: 5.57 min Scan# 867
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 61 Resp: 11903

Ion	Ratio	Lower	Upper
61	100		
96	51.3	47.5	71.3
98	33.7	28.8	43.2



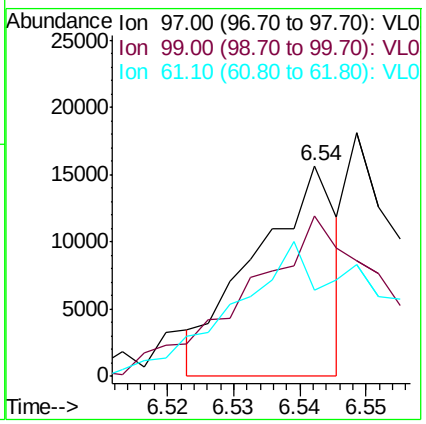


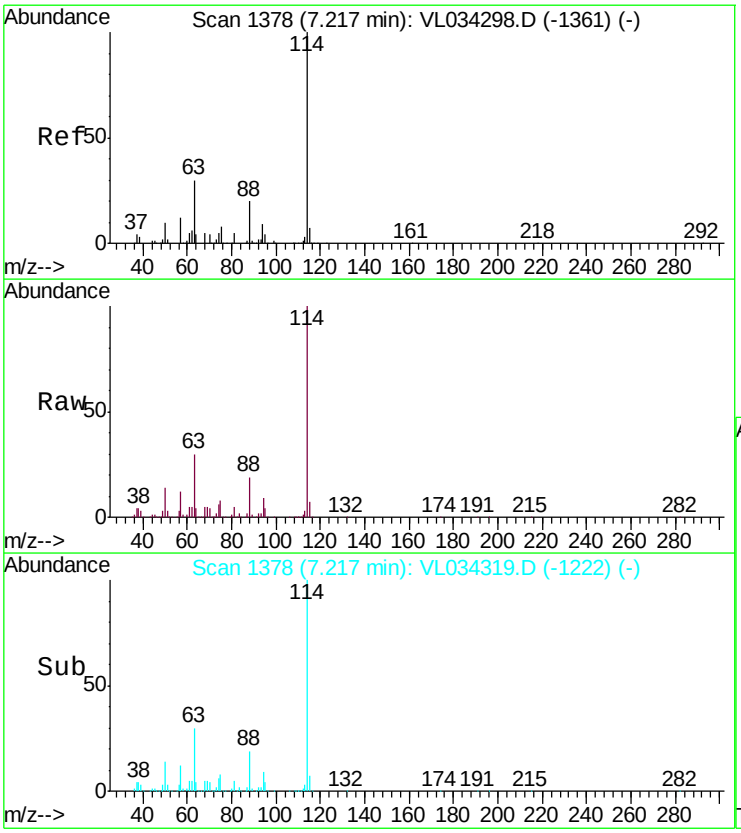
#32
1,1,1-Trichloroethane
Concen: 0.081 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 97 Resp: 13341

Ion	Ratio	Lower	Upper
97	100		
99	144.8	52.6	78.8#
61	128.0	44.5	66.7#

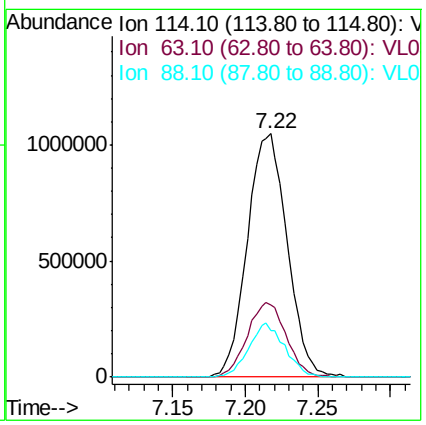


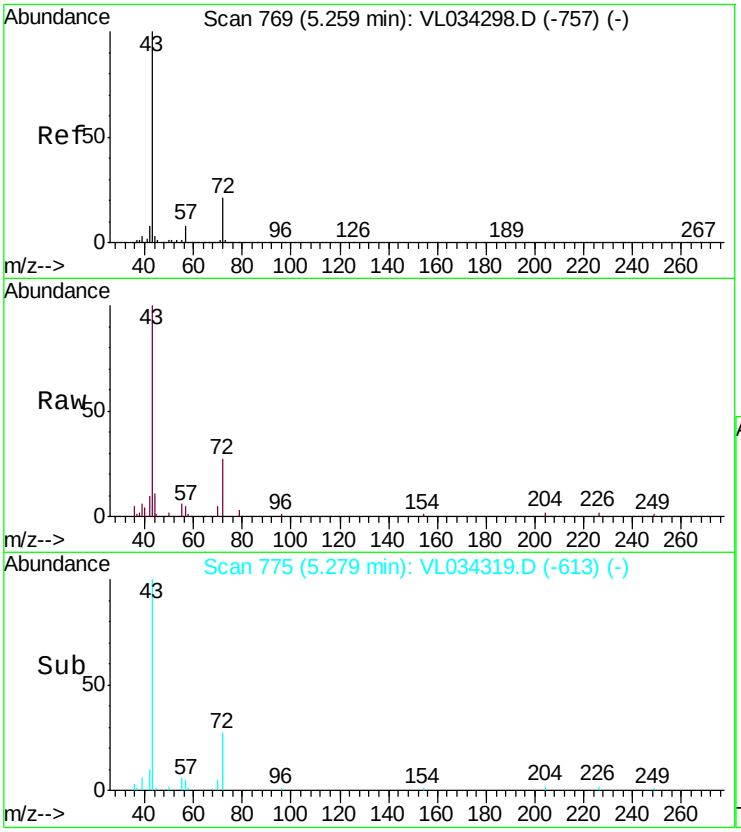


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1378
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:114 Resp: 2004065

Ion	Ratio	Lower	Upper
114	100		
63	30.2	25.2	37.8
88	20.1	16.0	24.0



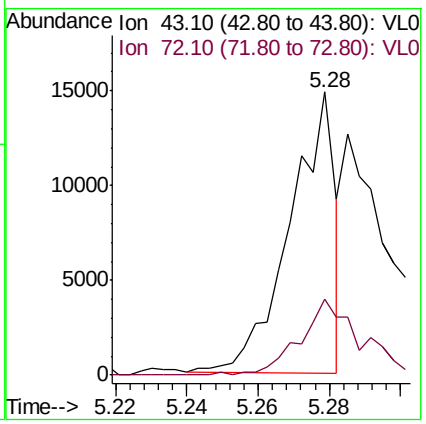


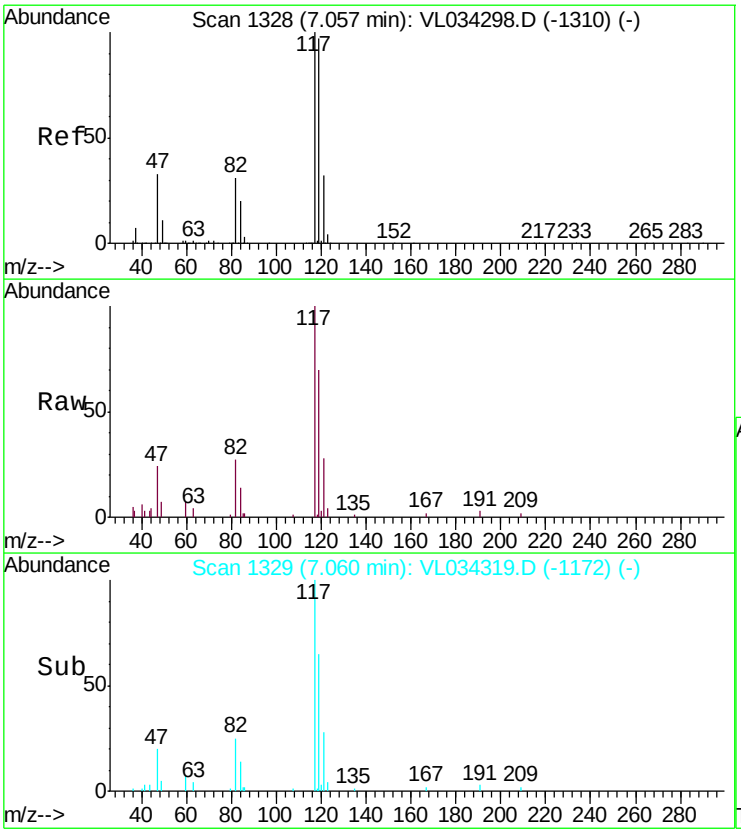
#34
2-Butanone
Concen: 0.079 ppbv
RT: 5.28 min Scan# 775
Delta R.T. 0.02 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 43 Resp: 12969

Ion	Ratio	Lower	Upper
43	100		
72	40.4	16.3	24.5#

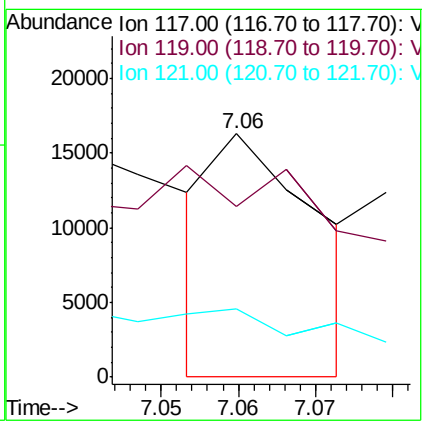


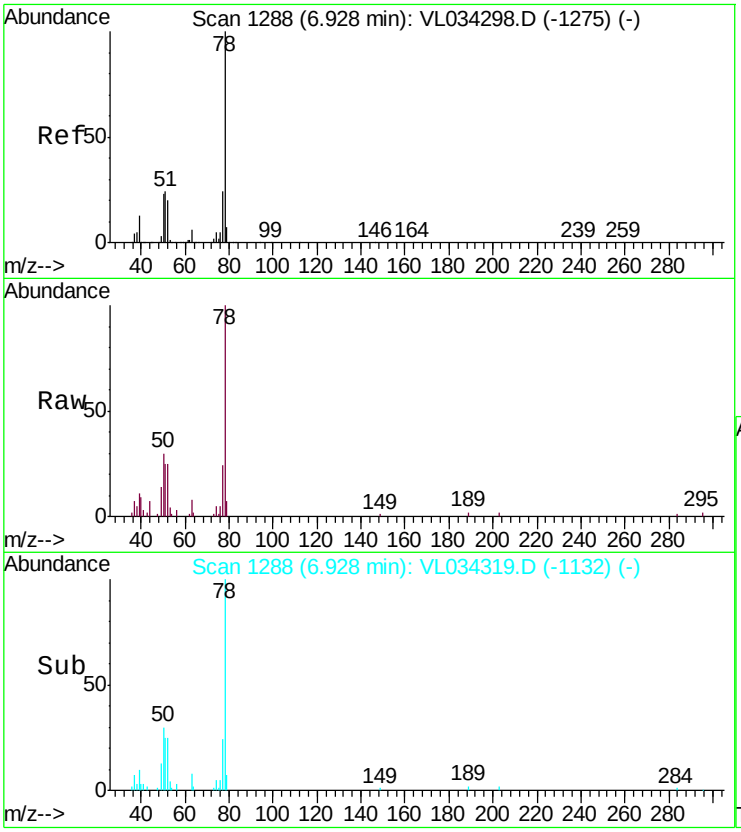


#35
Carbon Tetrachloride
Concen: 0.043 ppbv
RT: 7.06 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:117 Resp: 7542

Ion	Ratio	Lower	Upper
117	100		
119	26.7	77.3	115.9#
121	14.8	25.5	38.3#



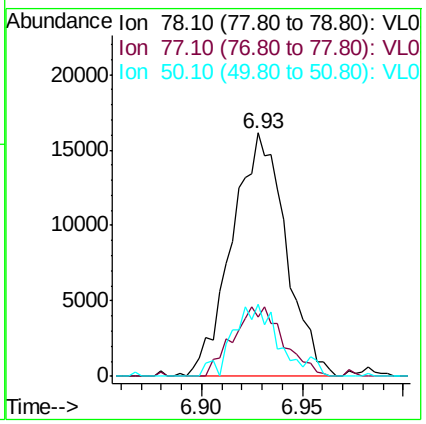


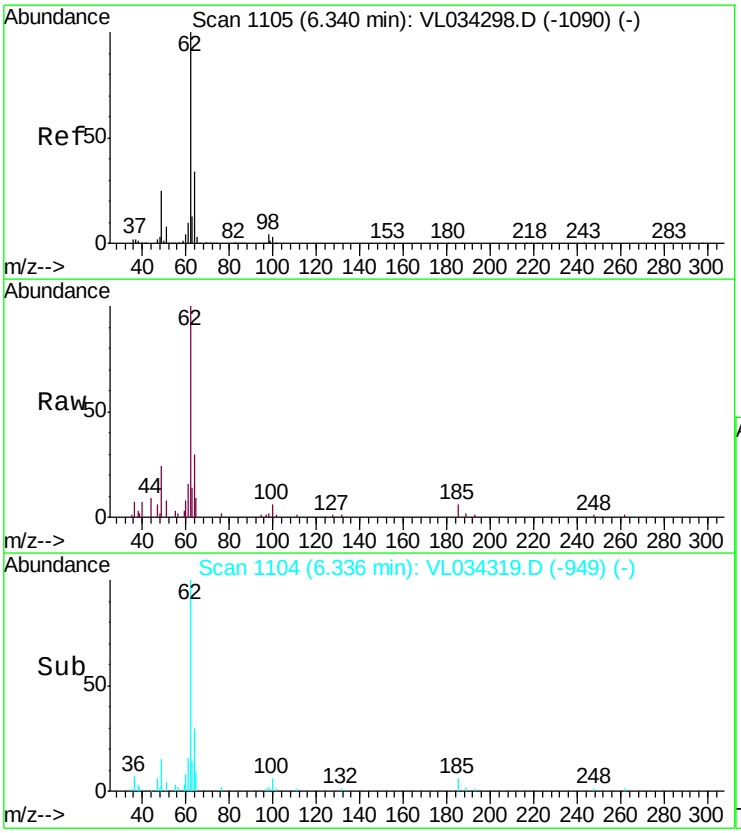
#36
Benzene
Concen: 0.157 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 78 Resp: 30139

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4
50	29.7	18.6	27.8#

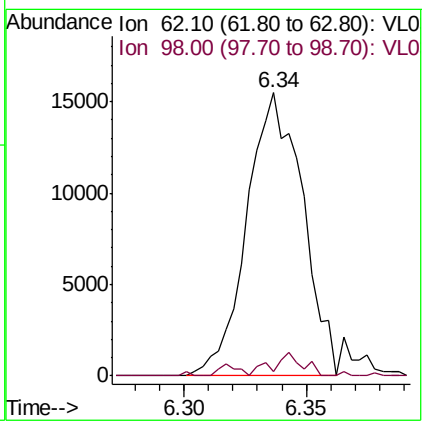


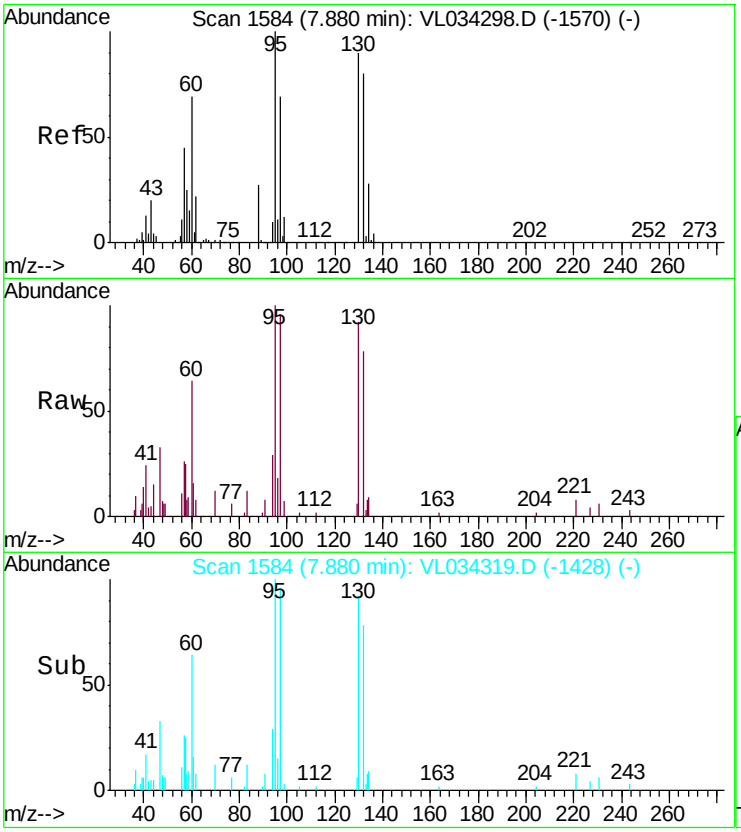


#37
1,2-Dichloroethane
Concen: 0.171 ppbv
RT: 6.34 min Scan# 1104
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 62 Resp: 24493

Ion	Ratio	Lower	Upper
62	100		
98	6.1	3.8	5.6#



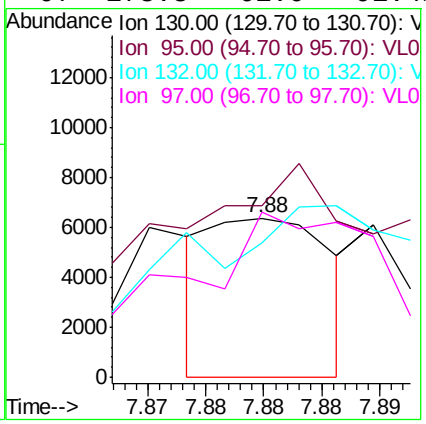


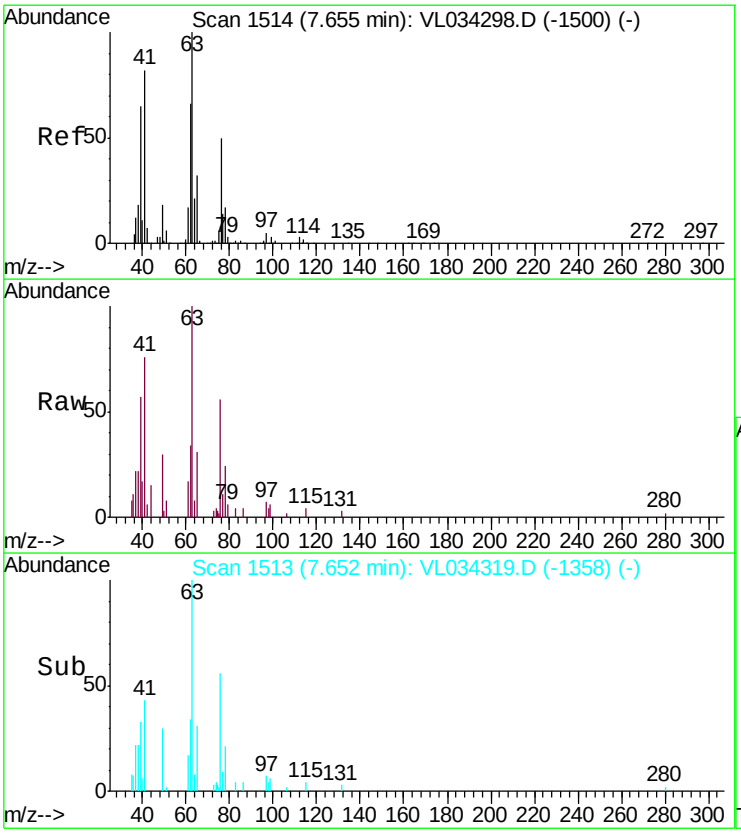
#38
Trichloroethene
Concen: 0.059 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:130 Resp: 4540

Ion	Ratio	Lower	Upper
130	100		
95	41.3	88.6	132.8#
132	0.0	71.2	106.8#
97	173.8	61.0	91.4#

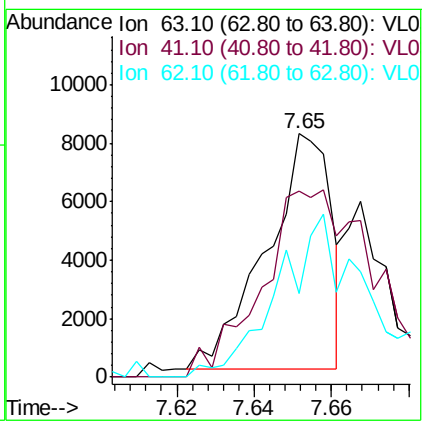


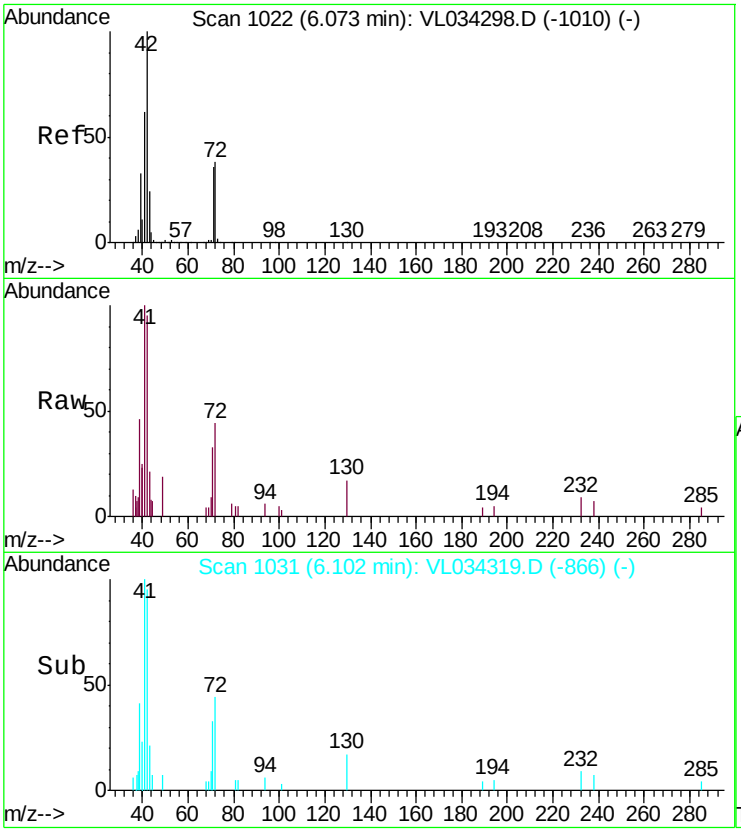


#39
1,2-Dichloropropane
Concen: 0.114 ppbv
RT: 7.65 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 63 Resp: 9398

Ion	Ratio	Lower	Upper
63	100		
41	78.9	65.6	98.4
62	35.2	53.0	79.6#



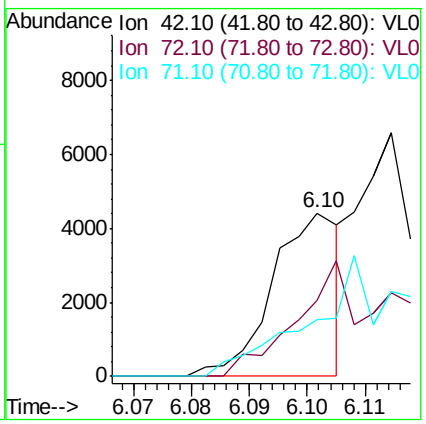


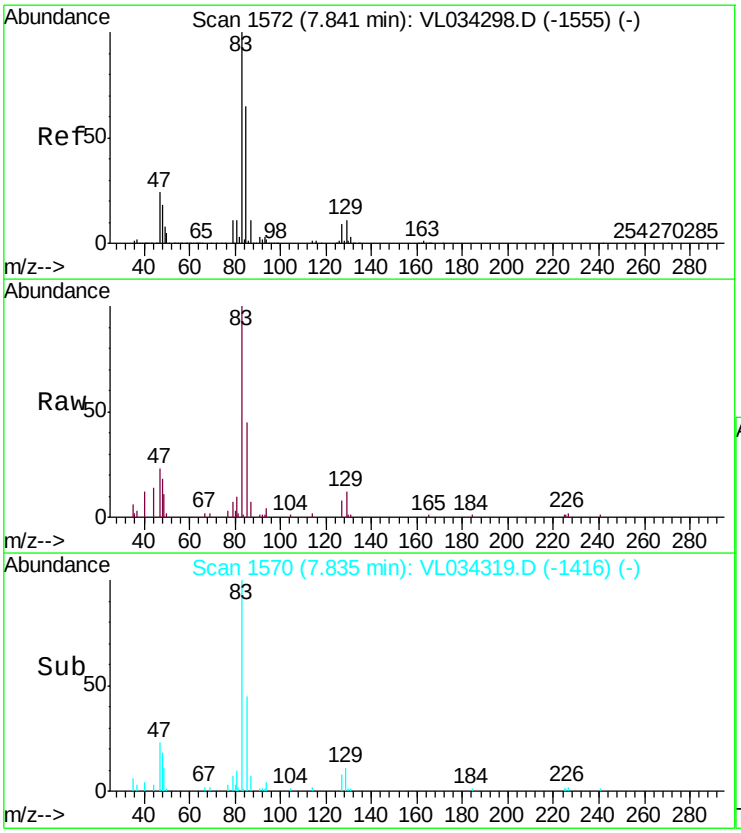
#41
Tetrahydrofuran
Concen: 0.039 ppbv
RT: 6.10 min Scan# 1031
Delta R.T. 0.03 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 42 Resp: 3566

Ion	Ratio	Lower	Upper
42	100		
72	114.2	28.0	42.0#
71	130.2	27.3	40.9#

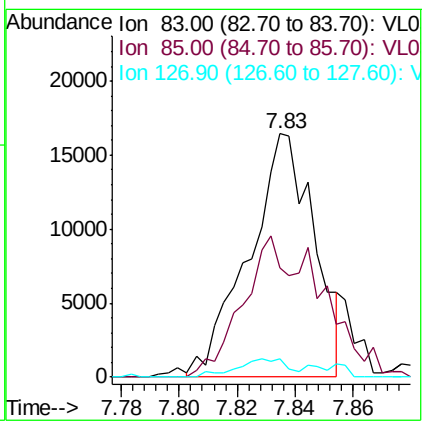


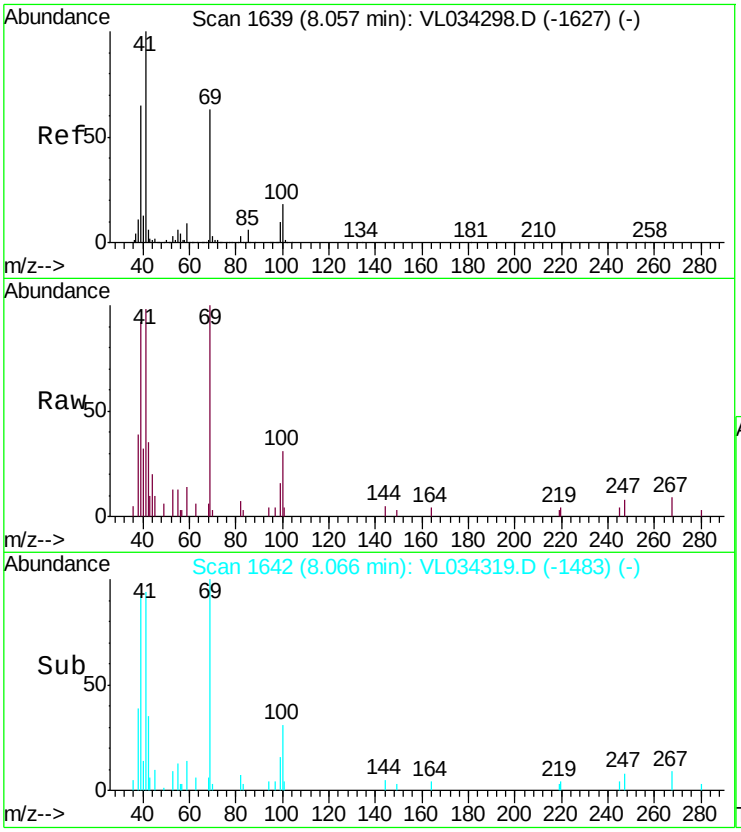


#42
Bromodichloromethane
Concen: 0.147 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 83 Resp: 25866

Ion	Ratio	Lower	Upper
83	100		
85	45.4	51.8	77.6#
127	7.7	7.0	10.6



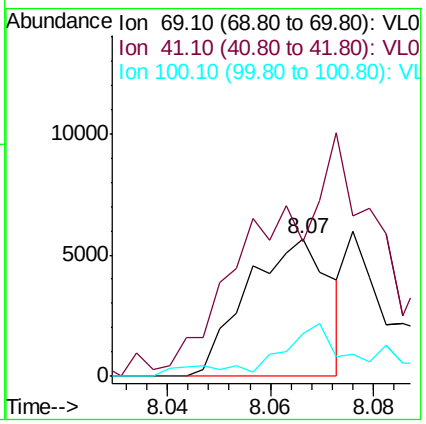


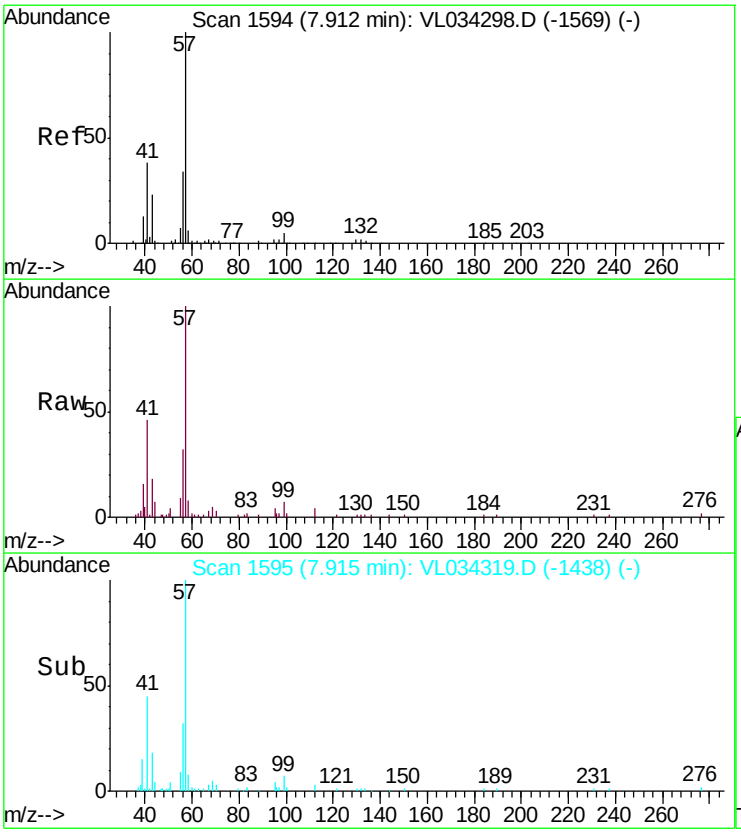
#43
Methyl Methacrylate
Concen: 0.079 ppbv
RT: 8.07 min Scan# 1642
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 69 Resp: 6289

Ion	Ratio	Lower	Upper
69	100		
41	0.0	132.1	198.1#
100	0.0	23.2	34.8#

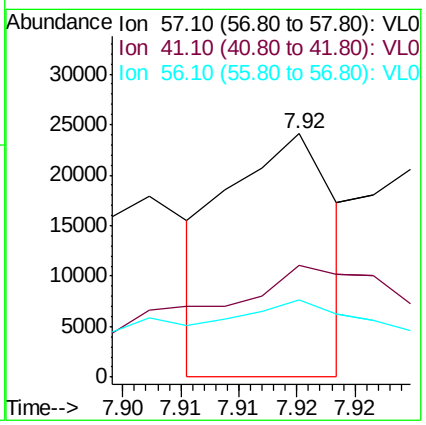


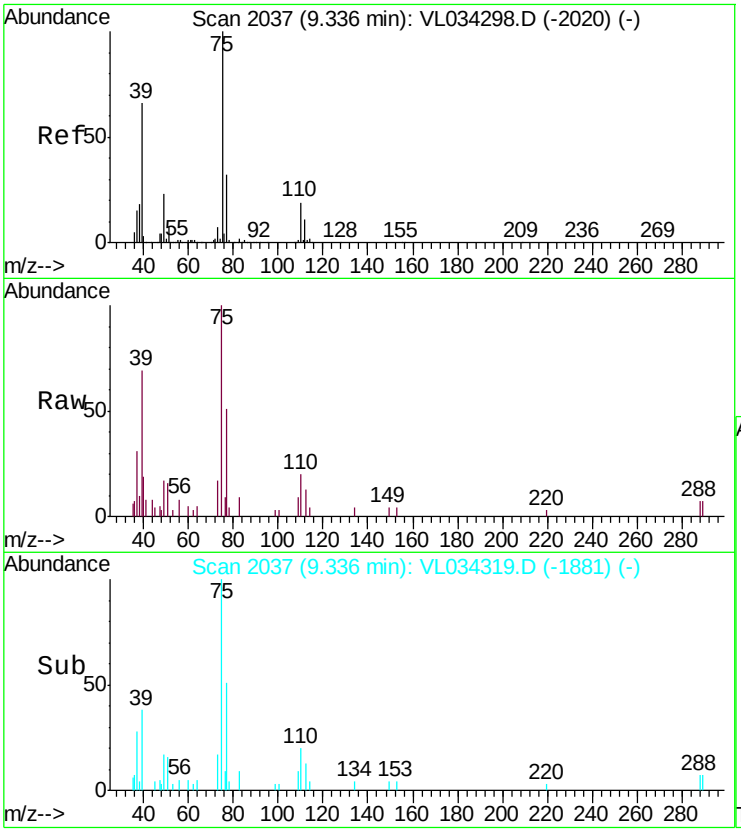


#44
2,2,4-Trimethylpentane
Concen: 0.044 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 57 Resp: 15529

Ion	Ratio	Lower	Upper
57	100		
41	143.6	29.3	43.9#
56	104.5	25.3	37.9#



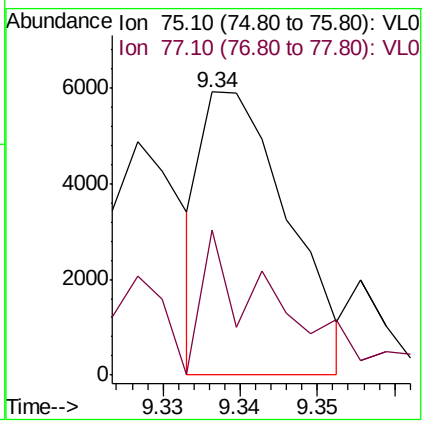


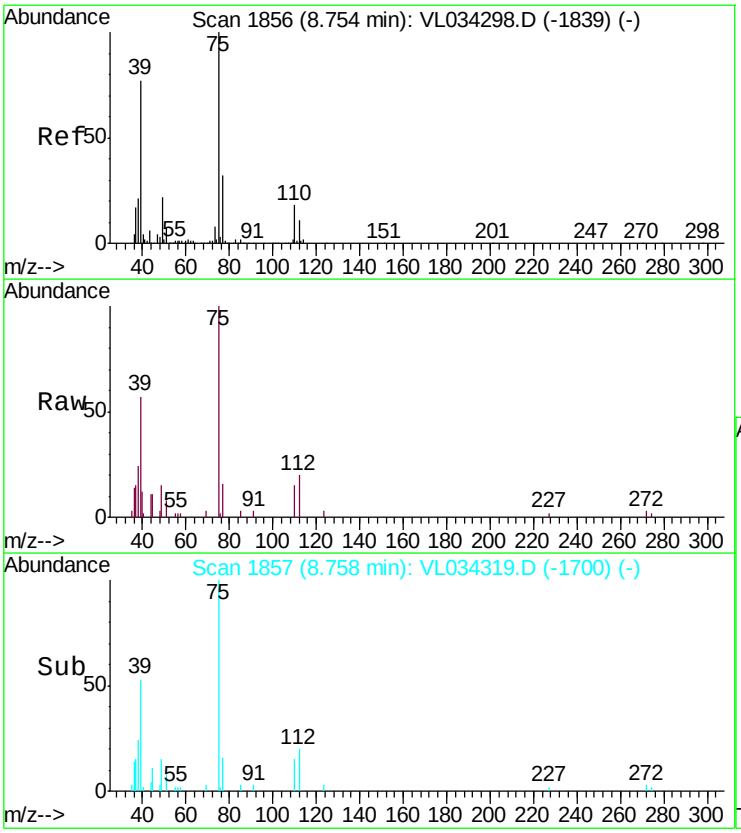
#45
t-1,3-Dichloropropene
Concen: 0.047 ppbv
RT: 9.34 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 75 Resp: 4561

Ion	Ratio	Lower	Upper
75	100		
77	51.3	25.6	38.4#

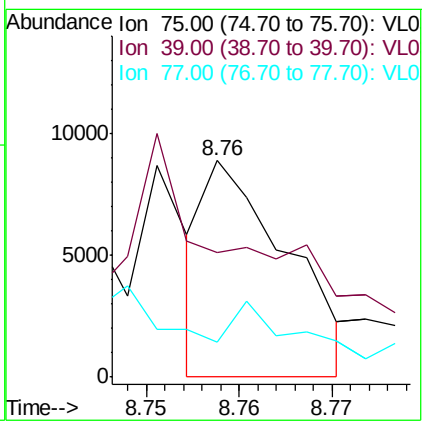


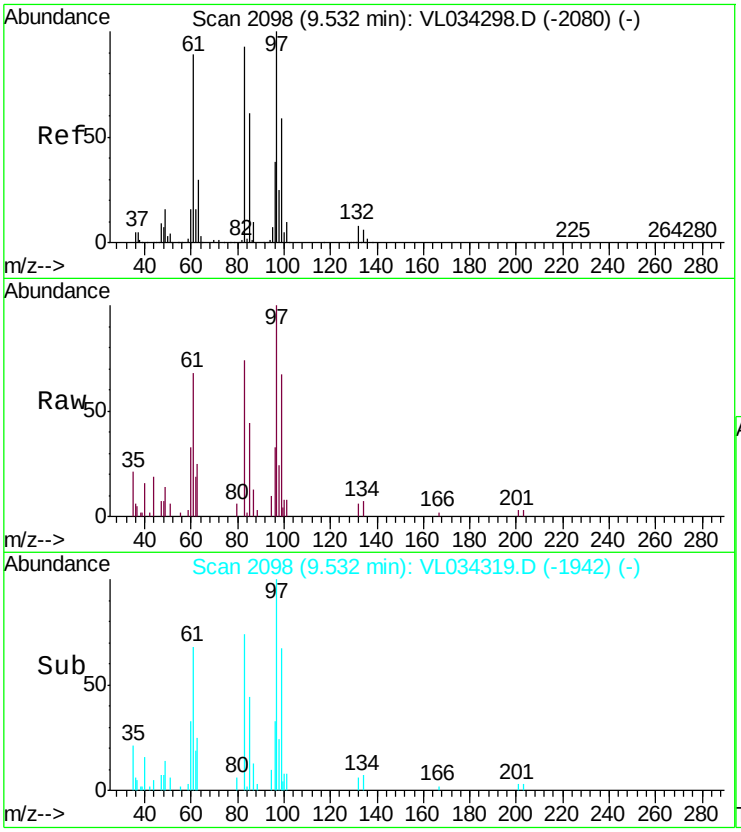


#46
cis-1,3-Dichloropropene
Concen: 0.050 ppbv
RT: 8.76 min Scan# 1857
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 75 Resp: 5540

Ion	Ratio	Lower	Upper
75	100		
39	27.1	61.2	91.8#
77	0.0	25.9	38.9#



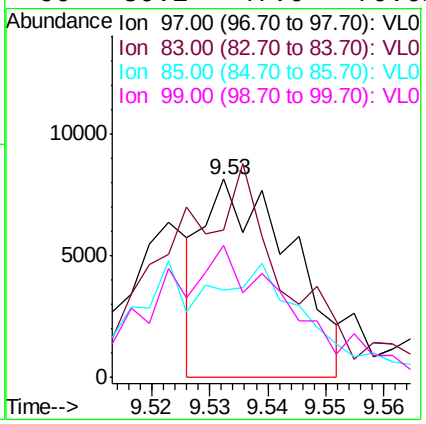


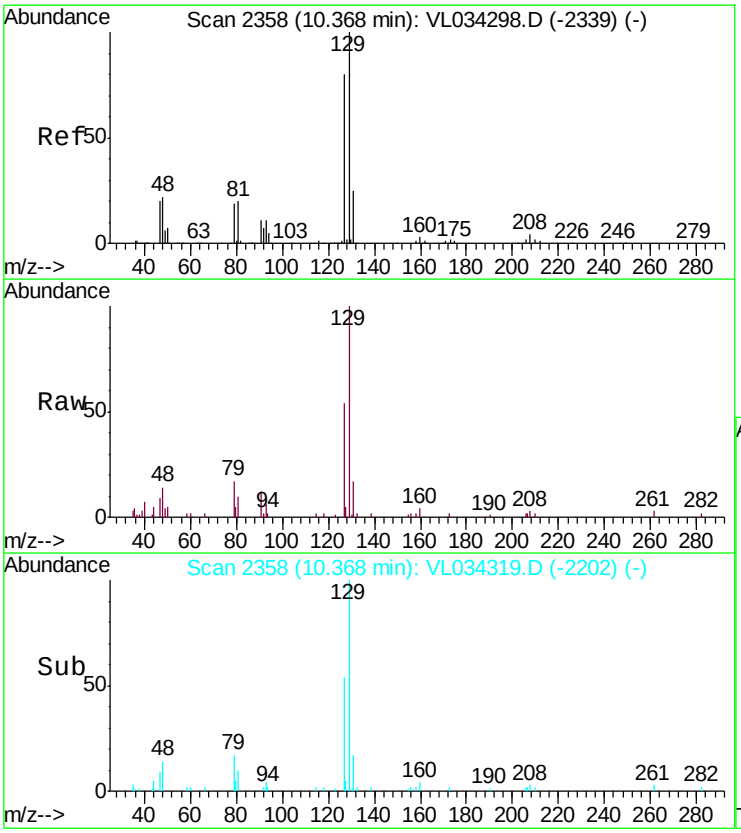
#47
1,1,2-Trichloroethane
Concen: 0.101 ppbv
RT: 9.53 min Scan# 2098
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 97 Resp: 8464

Ion	Ratio	Lower	Upper
97	100		
83	62.1	74.2	111.2#
85	36.9	48.6	73.0#
99	80.2	47.0	70.6#

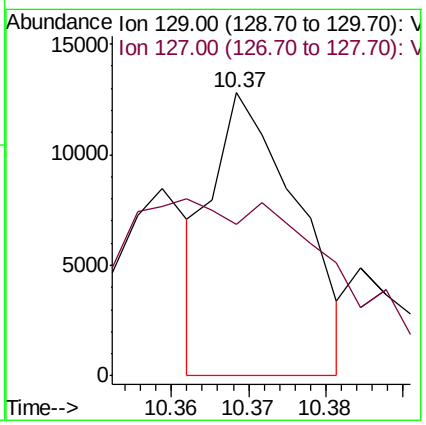


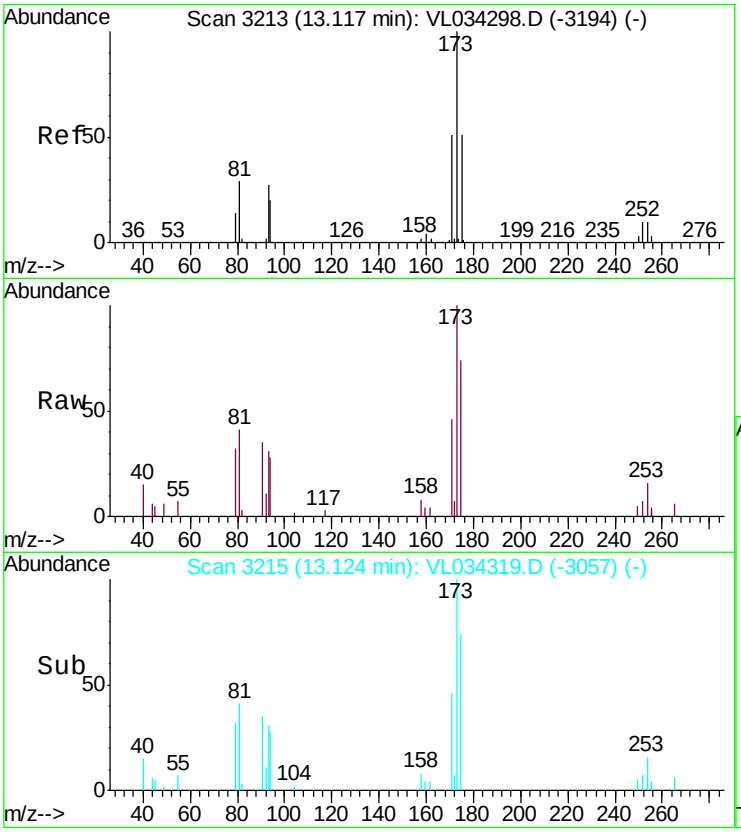


#48
Dibromochloromethane
Concen: 0.071 ppbv
RT: 10.37 min Scan# 2358
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:129 Resp: 9761

Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.7	119.1#



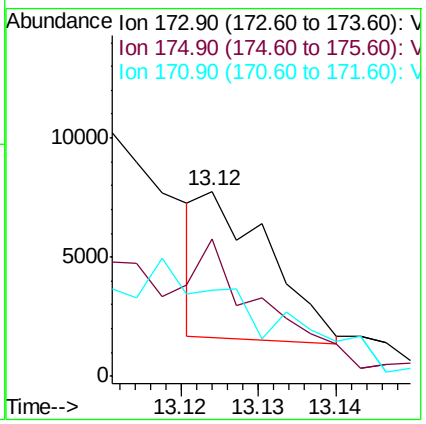


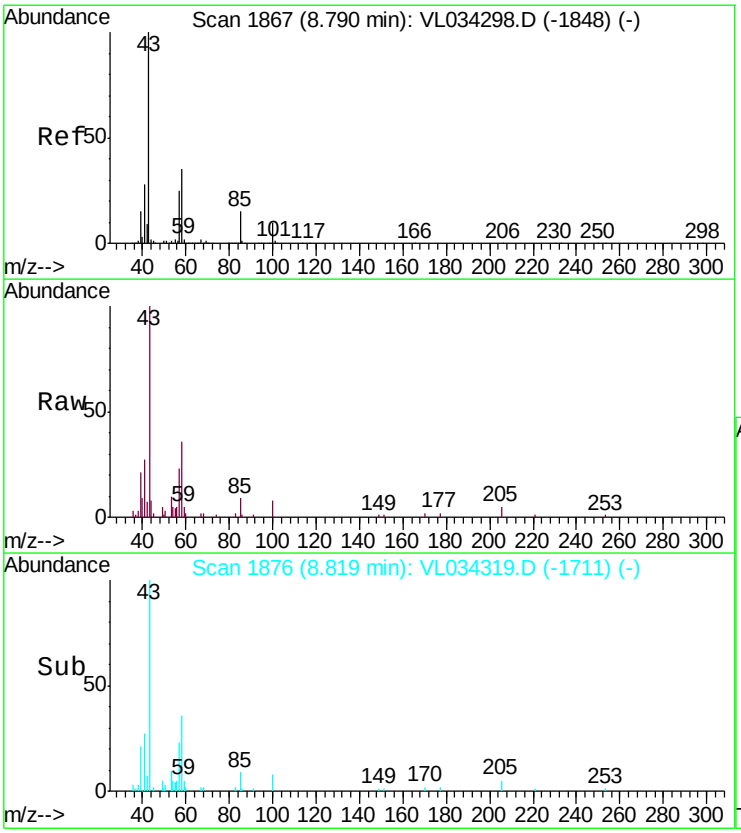
#49
Bromoform
Concen: 0.031 ppbv
RT: 13.12 min Scan# 3215
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:173 Resp: 3751

Ion	Ratio	Lower	Upper
173	100		
175	291.6	39.8	59.6#
171	0.0	41.8	62.6#

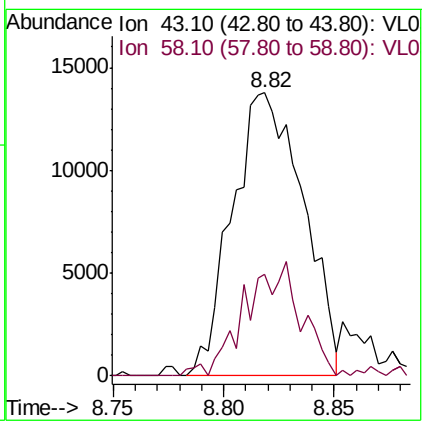


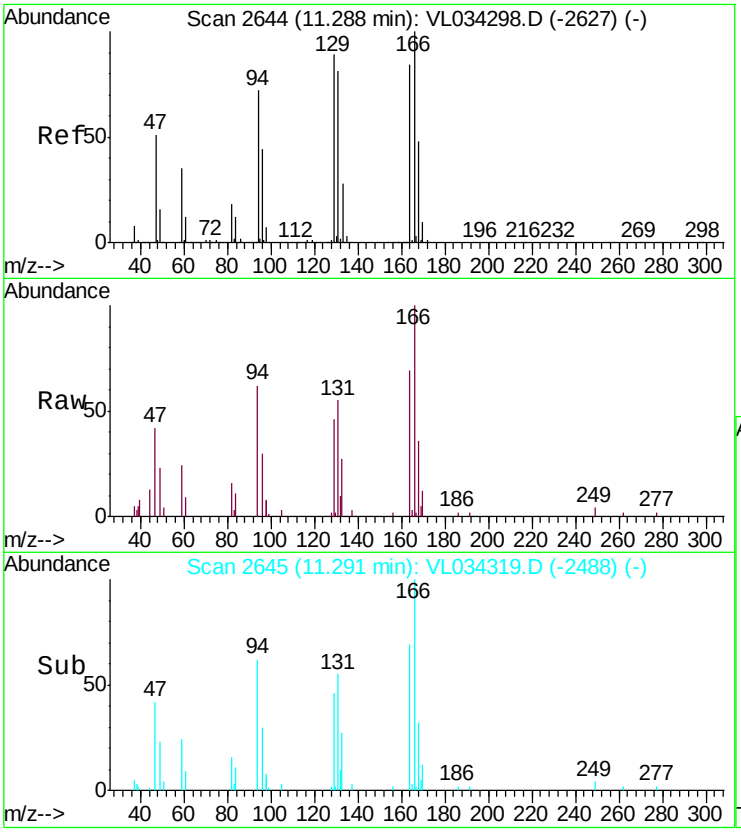


#50
4-Methyl-2-Pentanone
Concen: 0.131 ppbv
RT: 8.82 min Scan# 1876
Delta R.T. 0.03 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 43 Resp: 30774

Ion	Ratio	Lower	Upper
43	100		
58	32.2	27.6	41.4



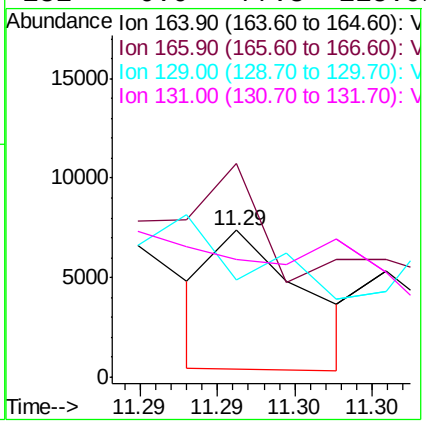


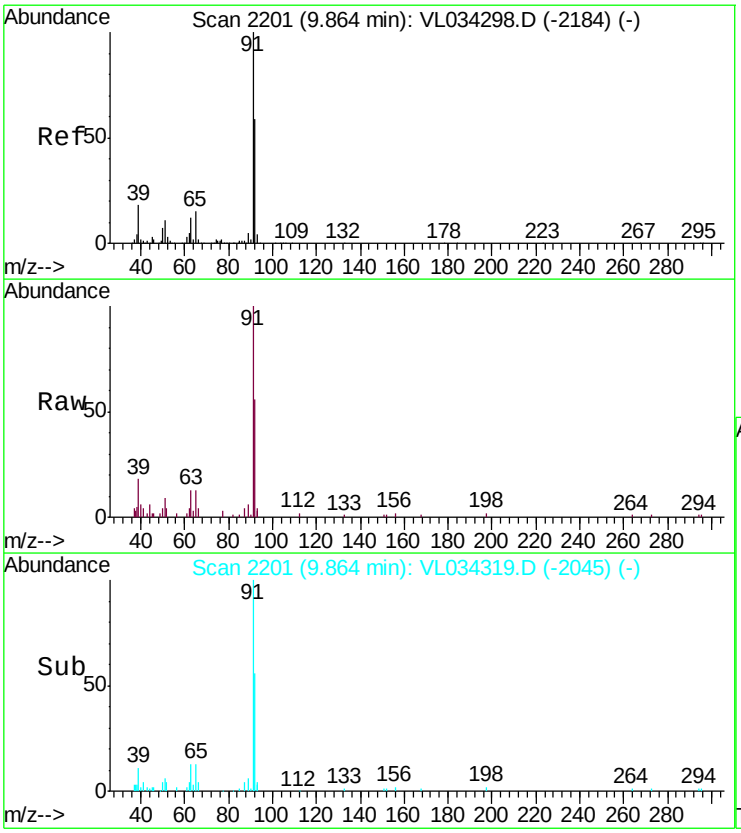
#52
Tetrachloroethene
Concen: 0.038 ppbv
RT: 11.29 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:164 Resp: 2846

Ion	Ratio	Lower	Upper
164	100		
166	129.5	95.3	142.9
129	30.7	84.5	126.7#
131	0.0	77.3	115.9#

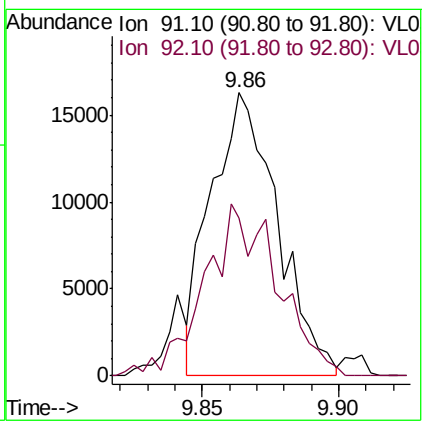


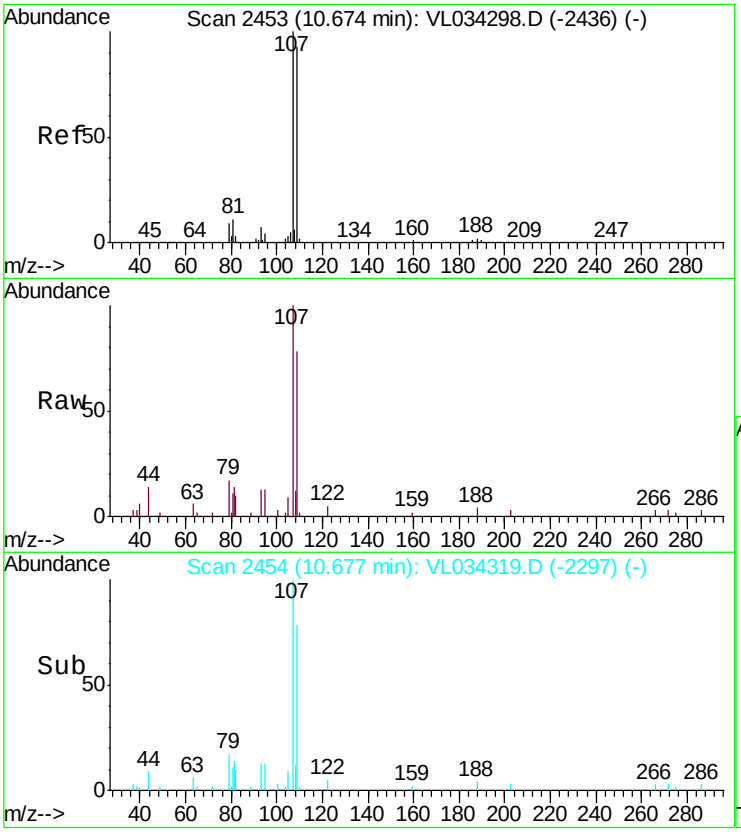


#53
Toluene
Concen: 0.131 ppbv
RT: 9.86 min Scan# 2201
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 91 Resp: 27702

Ion	Ratio	Lower	Upper
91	100		
92	66.5	48.4	72.6



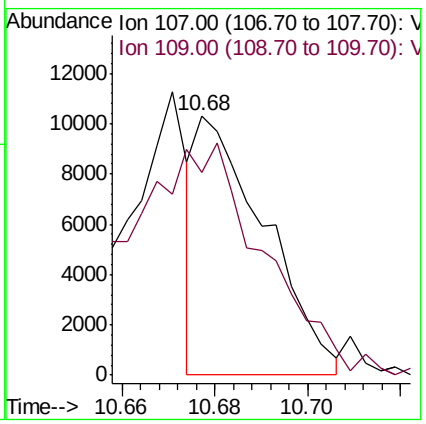


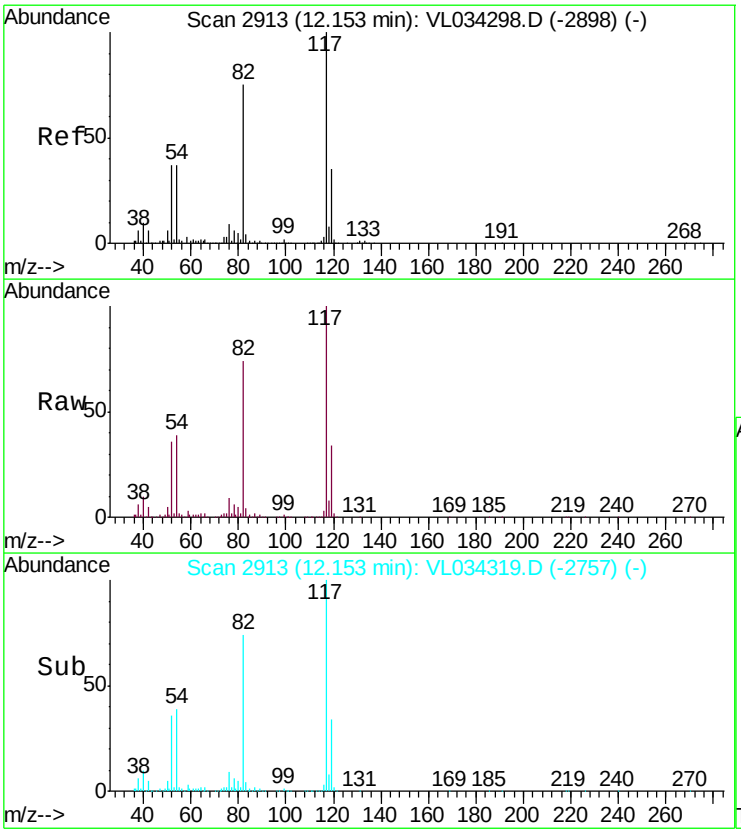
#54
1,2-Dibromoethane
Concen: 0.085 ppbv
RT: 10.68 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:107 Resp: 10594

Ion	Ratio	Lower	Upper
107	100		
109	74.7	74.6	112.0

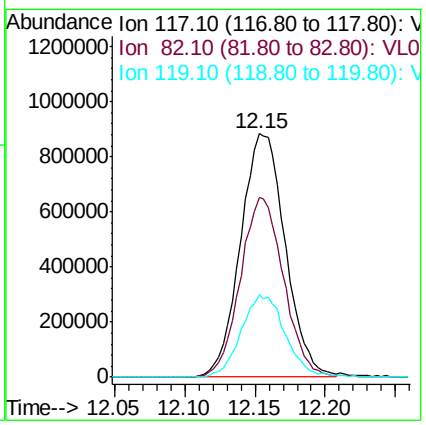


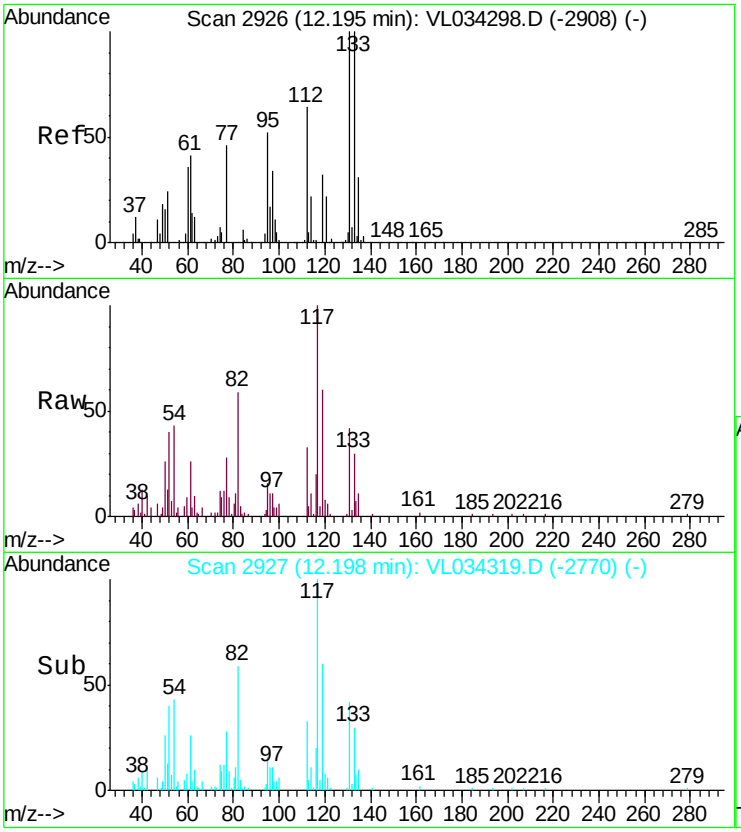


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:117 Resp: 1962198

Ion	Ratio	Lower	Upper
117	100		
82	72.0	55.5	83.3
119	33.4	26.5	39.7



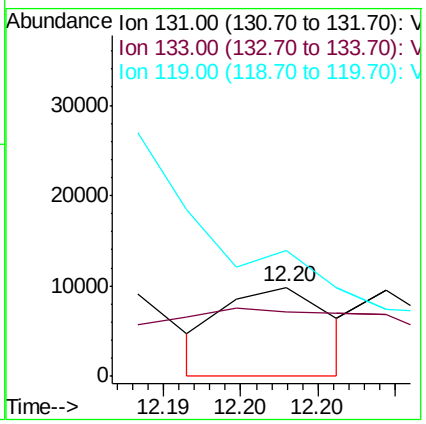


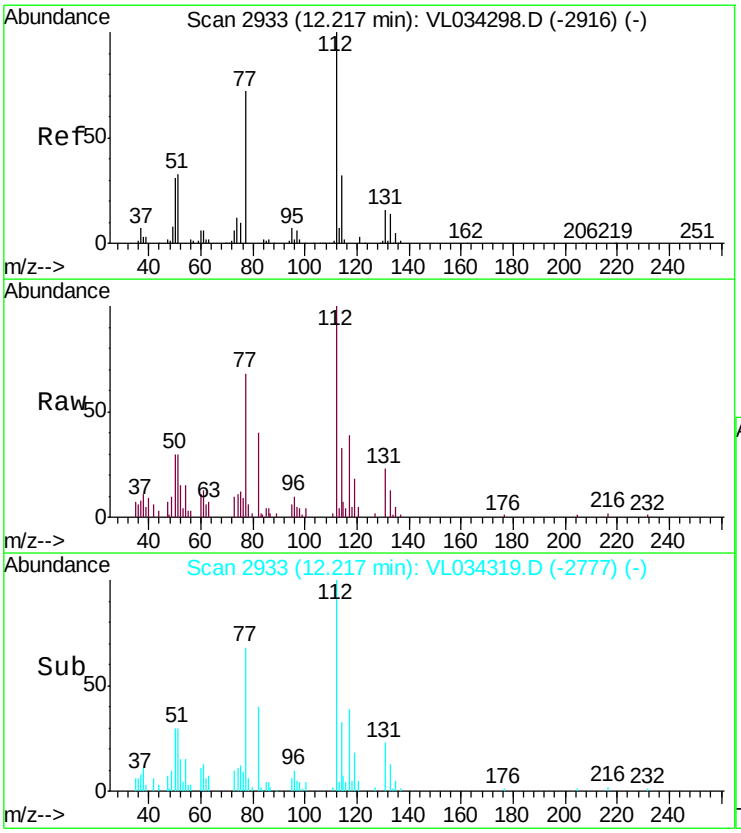
#56
1,1,1,2-Tetrachloroethane
Concen: 0.053 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:131 Resp: 4795

Ion	Ratio	Lower	Upper
131	100		
133	340.5	77.1	115.7#
119	0.0	49.0	73.4#

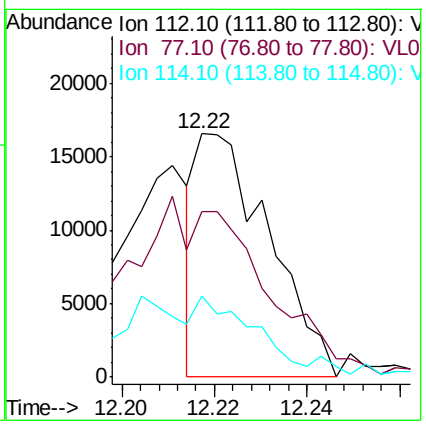


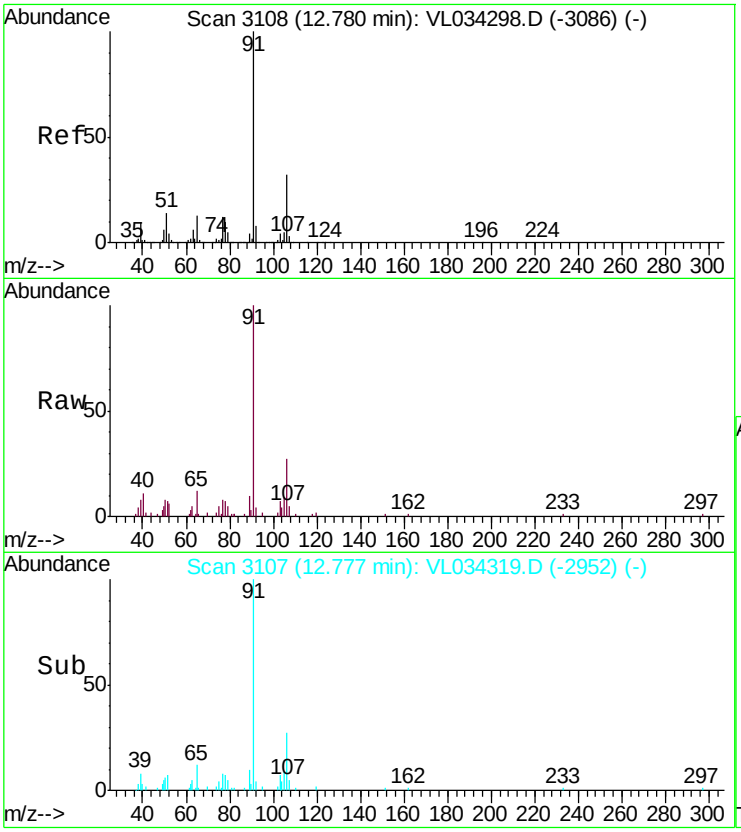


#57
Chlorobenzene
Concen: 0.110 ppbv
RT: 12.22 min Scan# 2933
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:112 Resp: 17943

Ion	Ratio	Lower	Upper
112	100		
77	60.4	58.6	88.0
114	36.0	28.6	35.0#



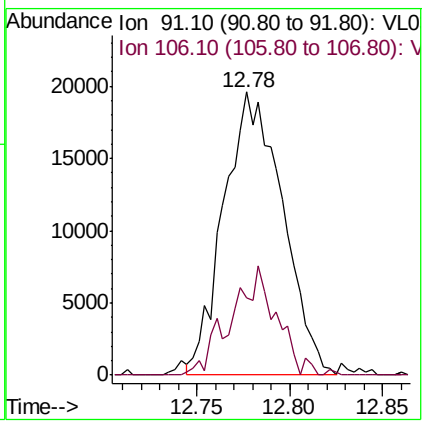


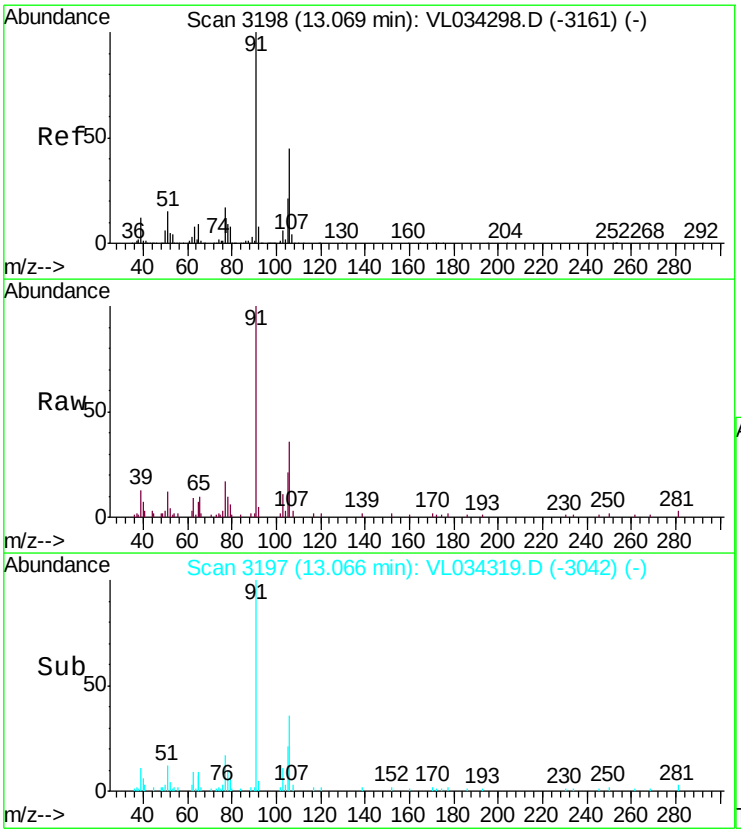
#58
Ethyl Benzene
Concen: 0.158 ppbv
RT: 12.78 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 91 Resp: 43379

Ion	Ratio	Lower	Upper
91	100		
106	26.3	25.3	37.9

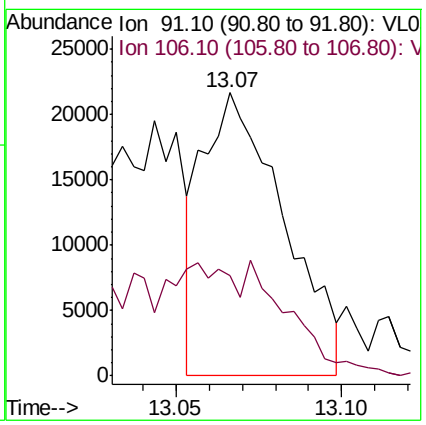


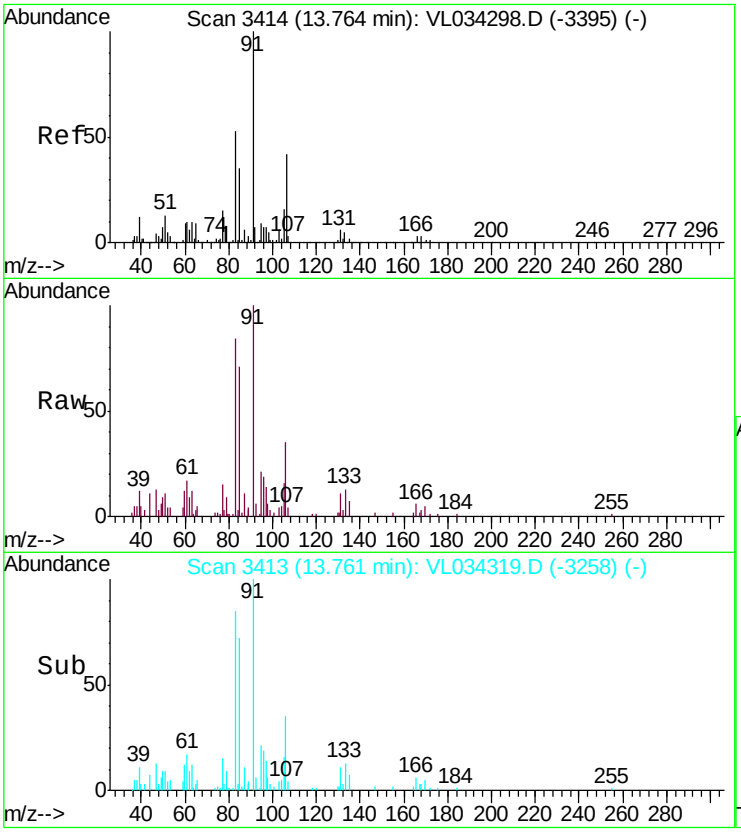


#59
m/p-Xylene
Concen: 0.156 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 91 Resp: 37069

Ion	Ratio	Lower	Upper
91	100		
106	81.7	35.4	53.2#



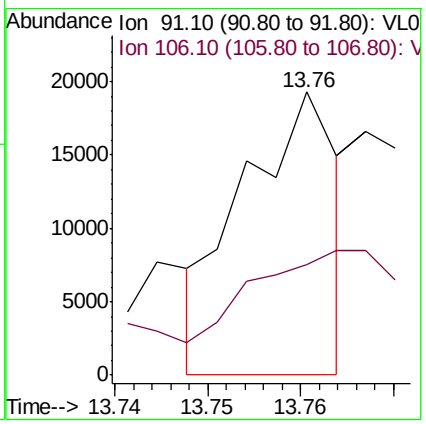


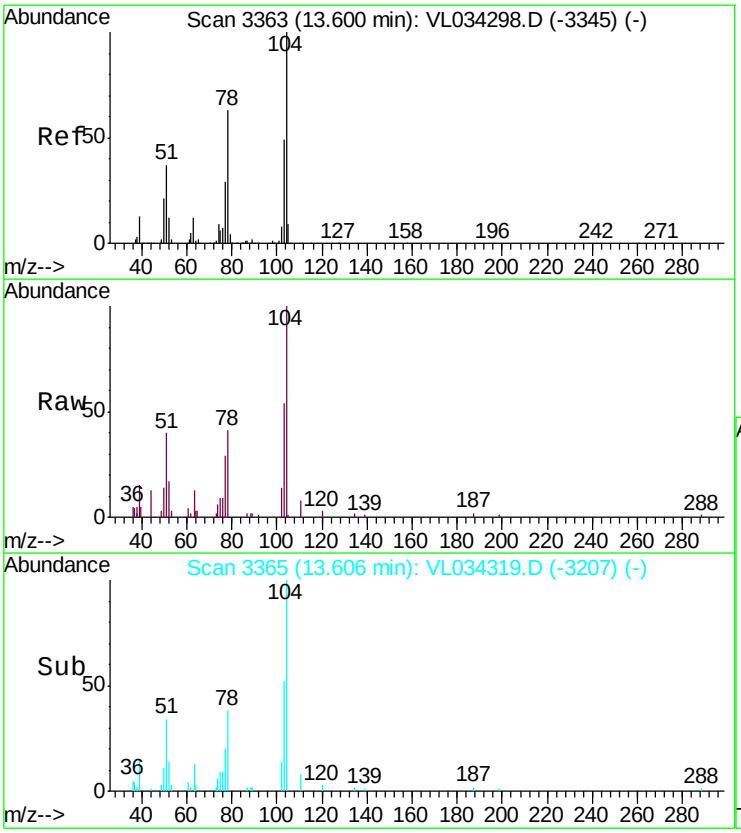
#60
o-Xylene
Concen: 0.058 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 91 Resp: 13686

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.6	64.6#

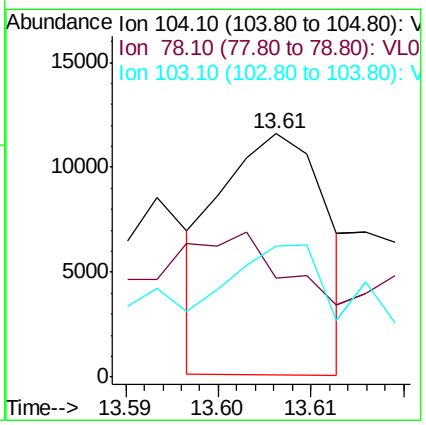


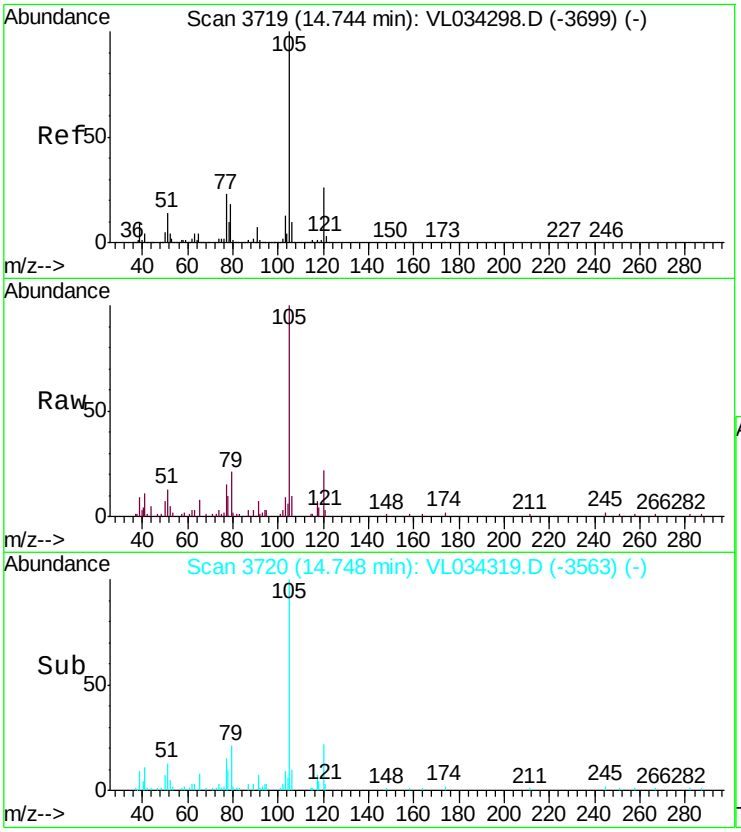


#61
Styrene
Concen: 0.055 ppbv
RT: 13.61 min Scan# 3365
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:104 Resp: 9182

Ion	Ratio	Lower	Upper
104	100		
78	158.0	47.8	71.8#
103	126.7	39.0	58.6#



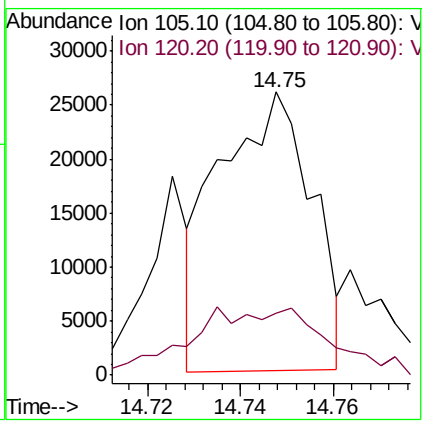


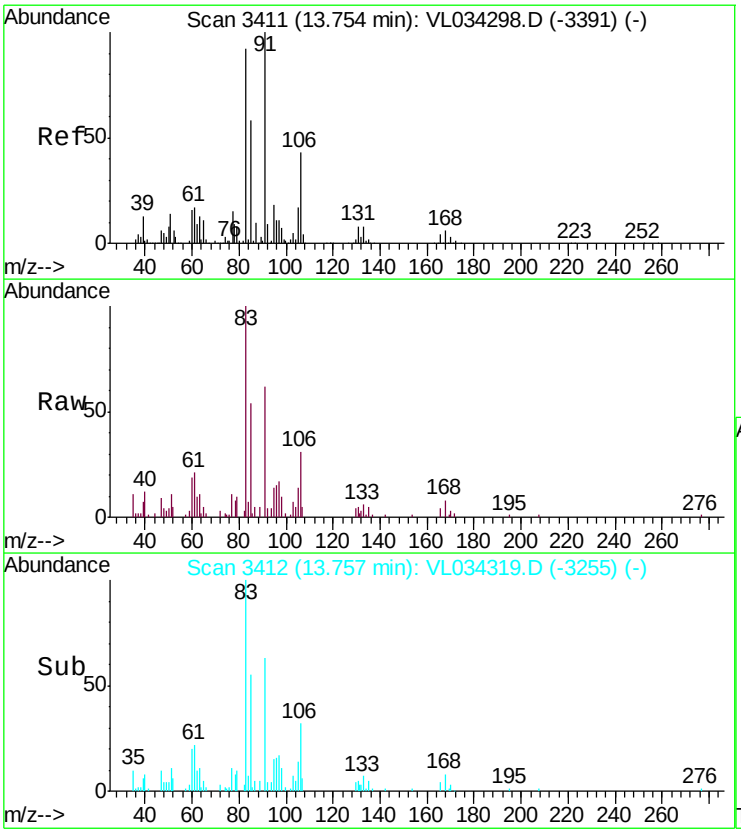
#62
Isopropylbenzene
Concen: 0.115 ppbv
RT: 14.75 min Scan# 3720
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:105 Resp: 36048

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.8	31.2#

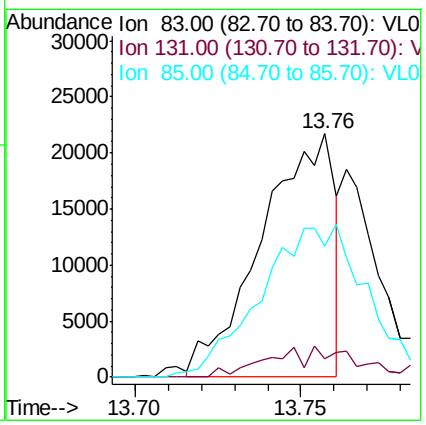


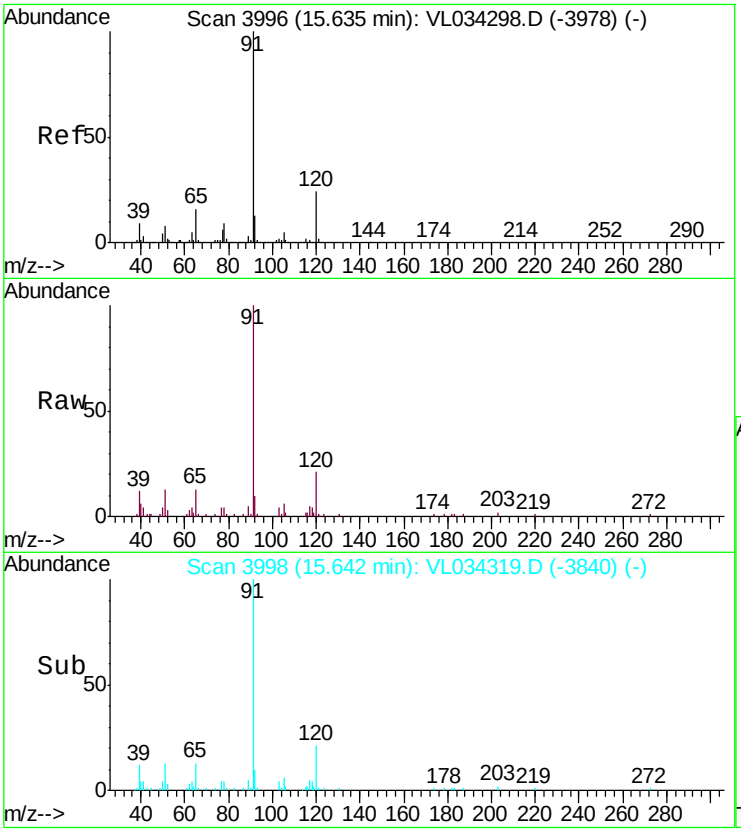


#63
1,1,2,2-Tetrachloroethane
Concen: 0.175 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 83 Resp: 33327

Ion	Ratio	Lower	Upper
83	100		
131	15.9	4.8	14.4#
85	0.0	32.5	97.4#



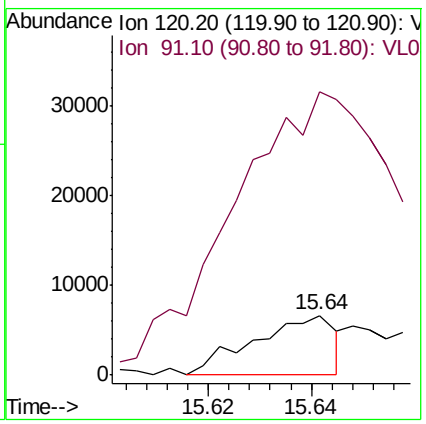


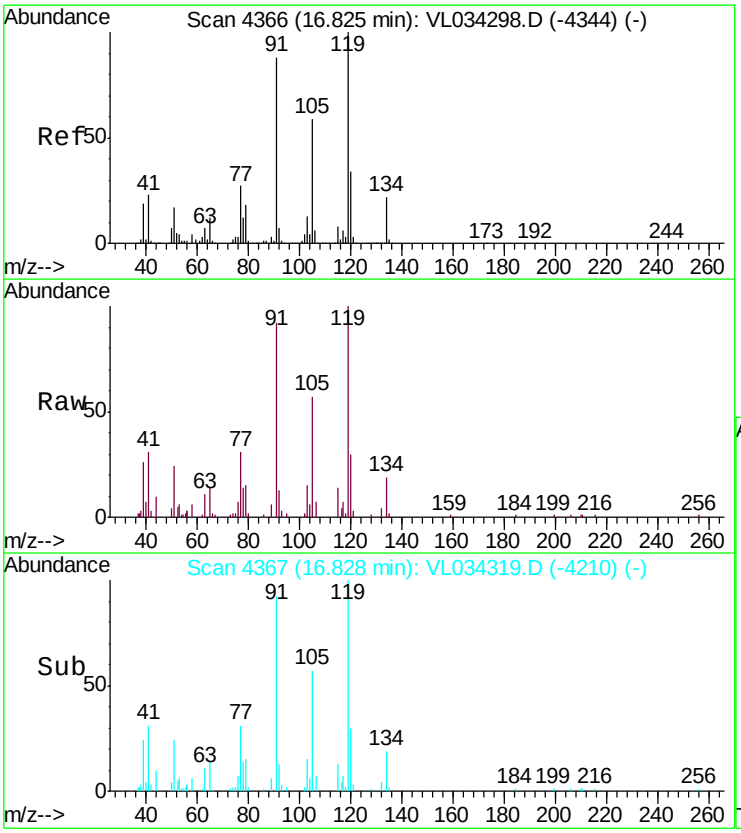
#64
n-propylbenzene
Concen: 0.091 ppbv
RT: 15.64 min Scan# 3998
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:120 Resp: 7310

Ion	Ratio	Lower	Upper
120	100		
91	1037.1	374.9	562.3#

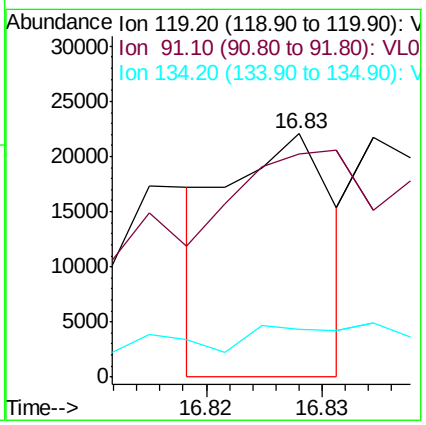


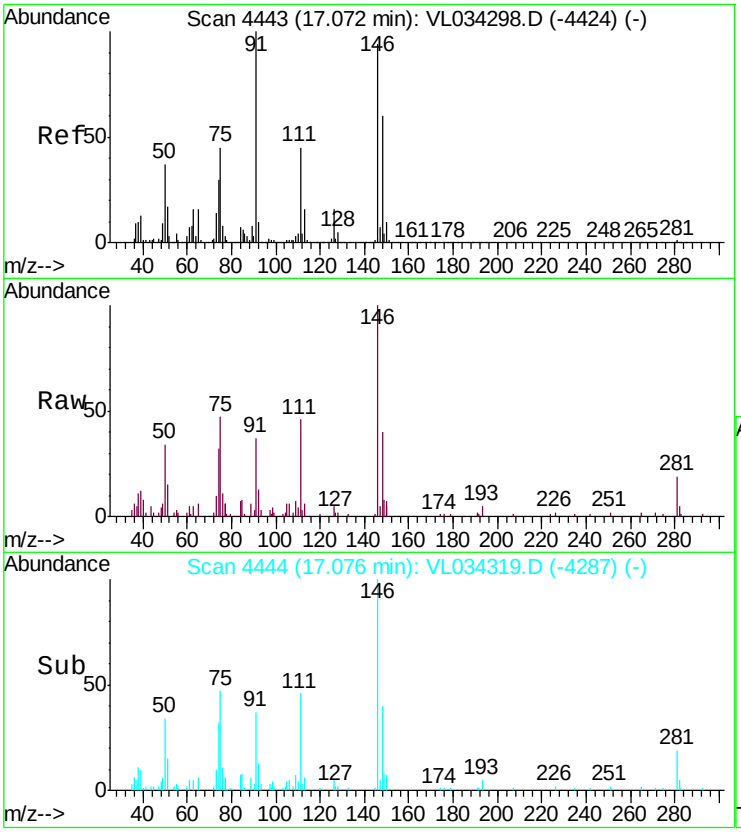


#65
tert-Butylbenzene
Concen: 0.051 ppbv
RT: 16.83 min Scan# 4367
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:119 Resp: 14194

Ion	Ratio	Lower	Upper
119	100		
91	0.0	71.4	107.0#
134	0.0	15.9	23.9#



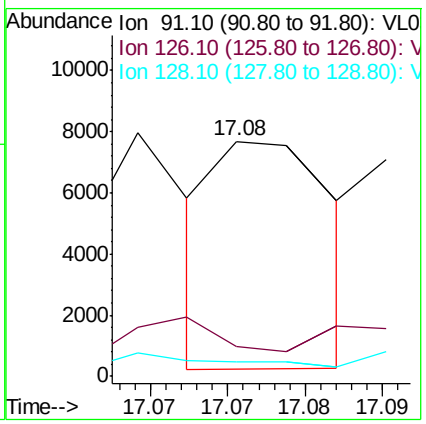


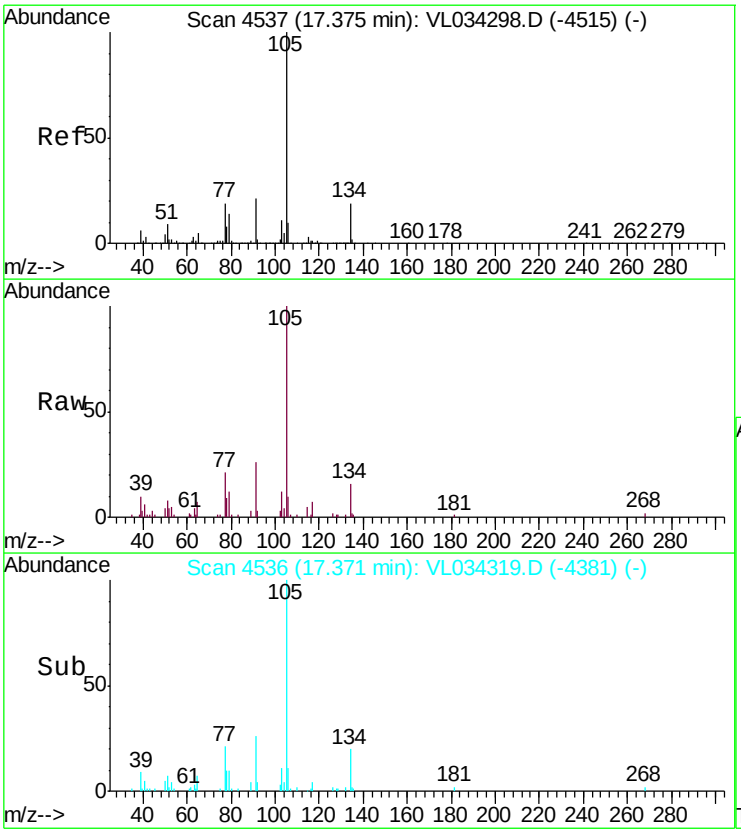
#66
Benzyl Chloride
Concen: 0.036 ppbv
RT: 17.08 min Scan# 4444
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 91 Resp: 3916

Ion	Ratio	Lower	Upper
91	100		
126	104.0	12.9	19.3#
128	0.0	4.3	6.5#

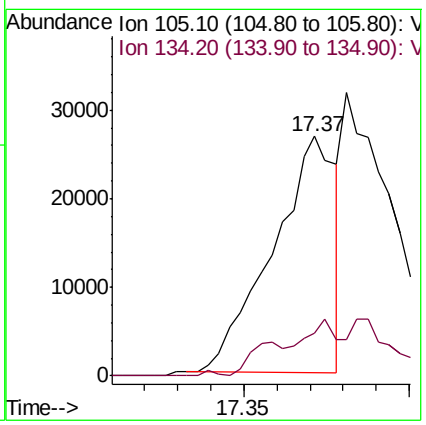


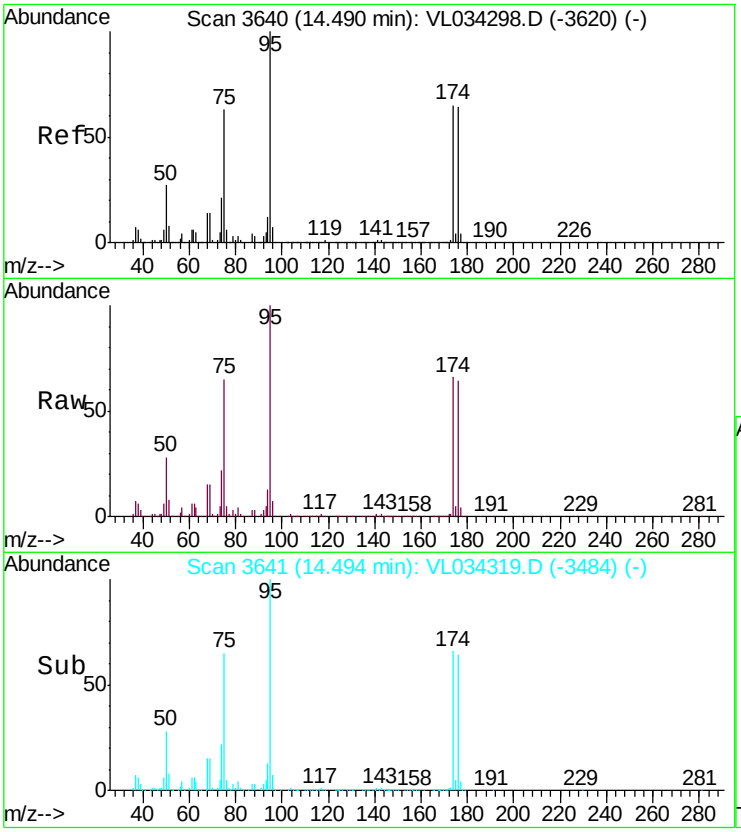


#67
sec-Butylbenzene
Concen: 0.091 ppbv
RT: 17.37 min Scan# 4536
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:105 Resp: 35369

Ion	Ratio	Lower	Upper
105	100		
134	0.0	15.4	23.0#



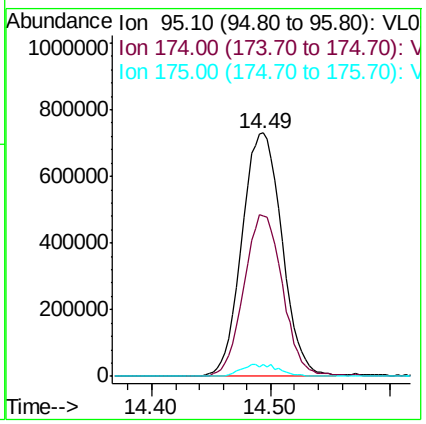


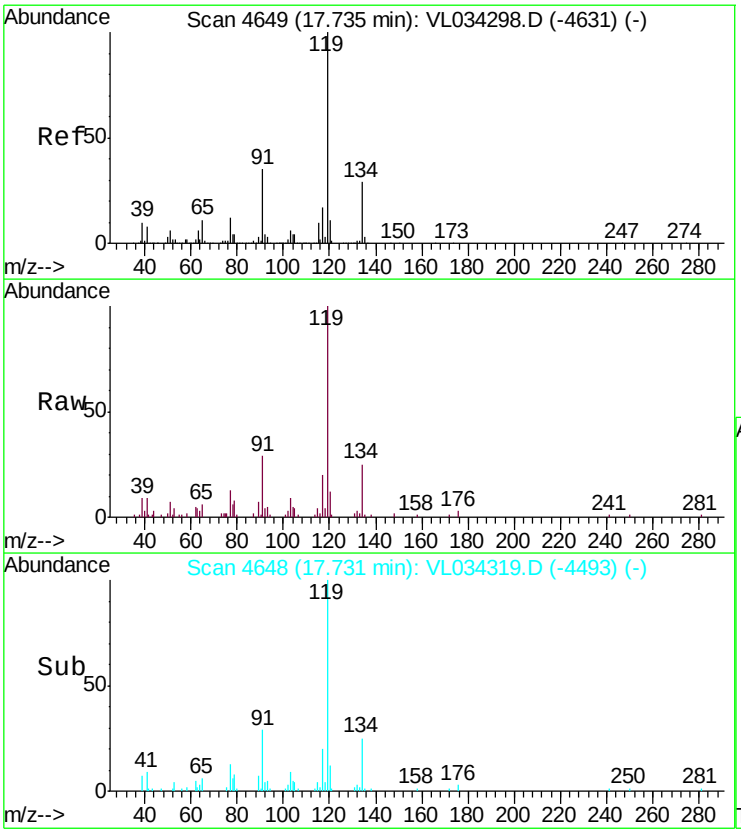
#68
1-Bromo-4-Fluorobenzene
Concen: 10.261 ppbv
RT: 14.49 min Scan# 3641
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 95 Resp: 1705261

Ion	Ratio	Lower	Upper
95	100		
174	64.4	52.6	78.8
175	4.8	3.8	5.6

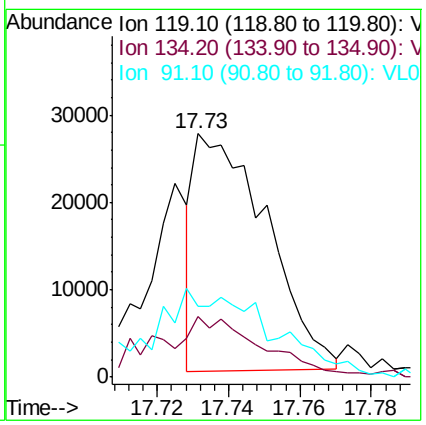


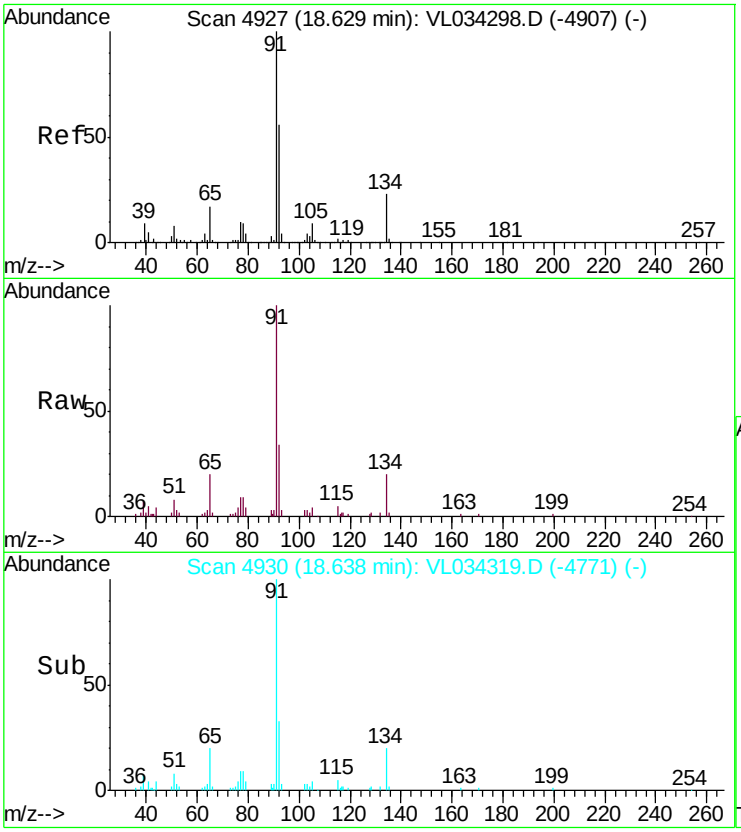


#69
p-Isopropyltoluene
Concen: 0.119 ppbv
RT: 17.73 min Scan# 4648
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:119 Resp: 37919

Ion	Ratio	Lower	Upper
119	100		
134	38.5	21.3	31.9#
91	62.2	26.6	39.8#



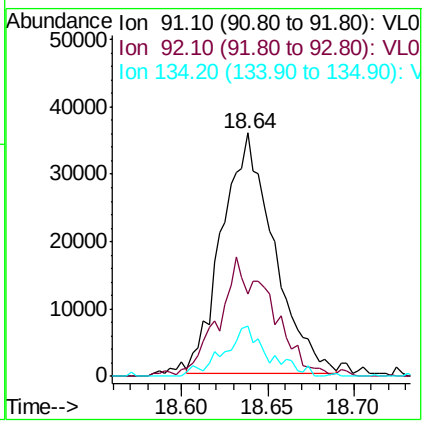


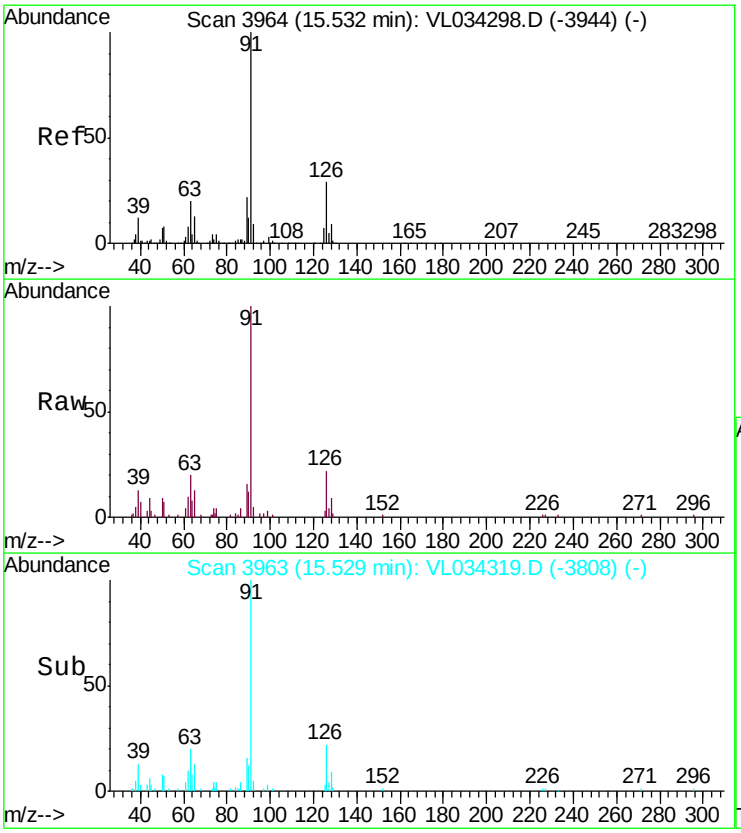
#70
n-Butylbenzene
Concen: 0.217 ppbv
RT: 18.64 min Scan# 4930
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion: 91 Resp: 74954

Ion	Ratio	Lower	Upper
91	100		
92	51.4	44.5	66.7
134	17.8	18.2	27.2#

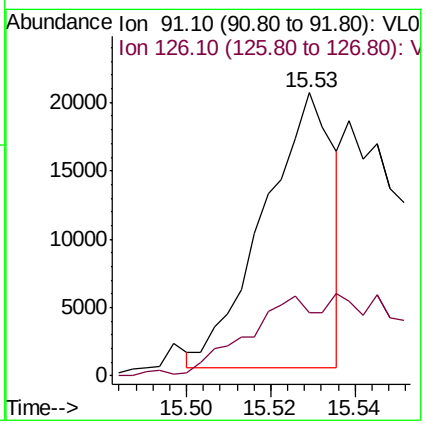


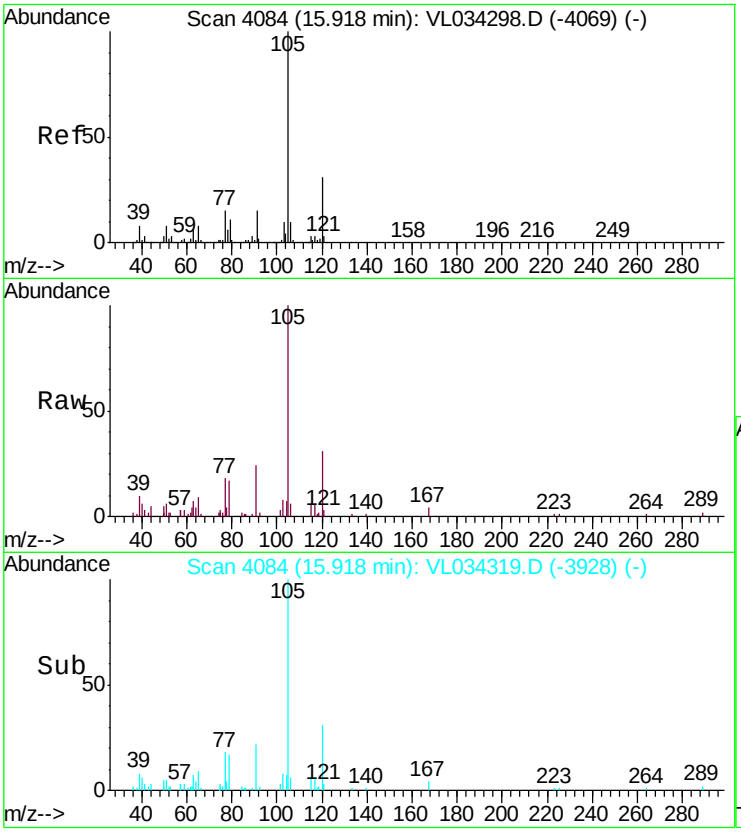


#71
2-Chlorotoluene
Concen: 0.096 ppbv
RT: 15.53 min Scan# 3963
Delta R.T. -0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion: 91 Resp: 23187

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.9	47.5#



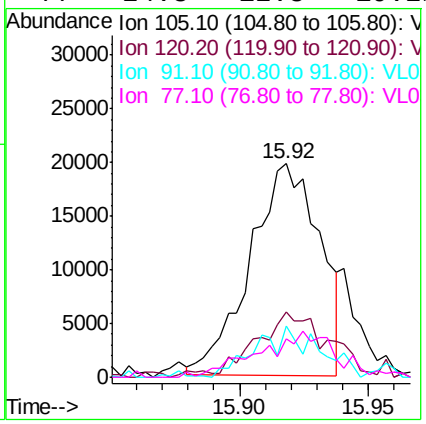


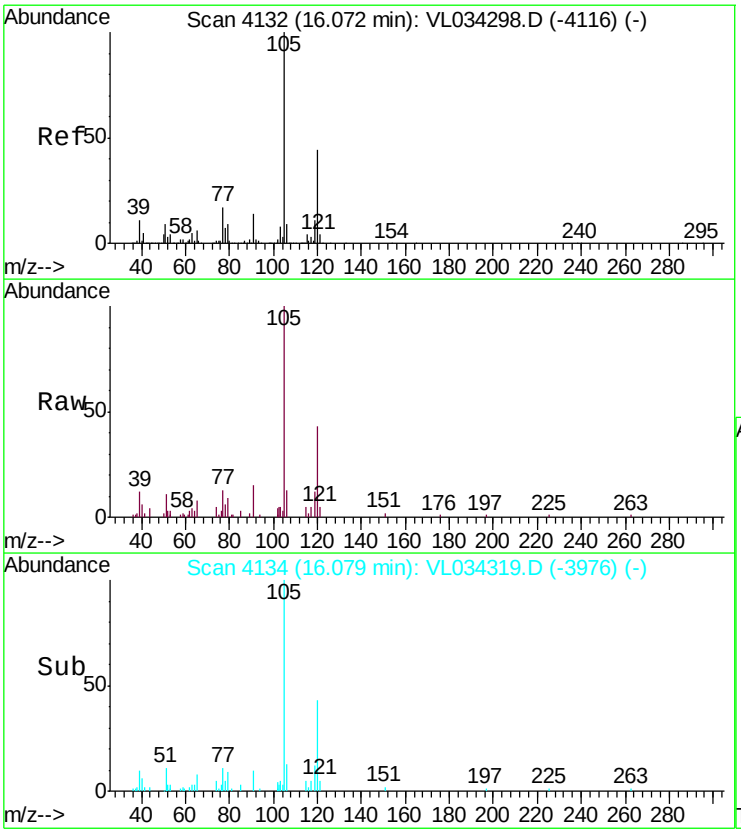
#72
4-Ethyltoluene
Concen: 0.141 ppbv
RT: 15.92 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:105 Resp: 37391

Ion	Ratio	Lower	Upper
105	100		
120	33.1	23.8	35.8
91	24.6	11.2	16.8#
77	24.3	12.8	19.2#

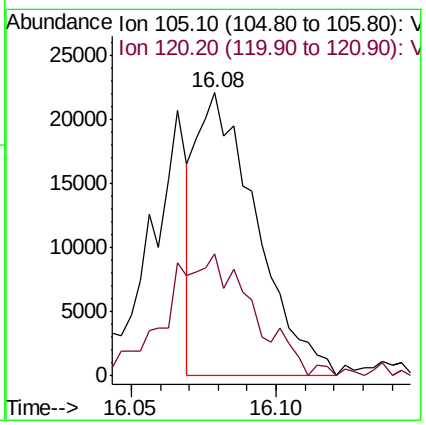


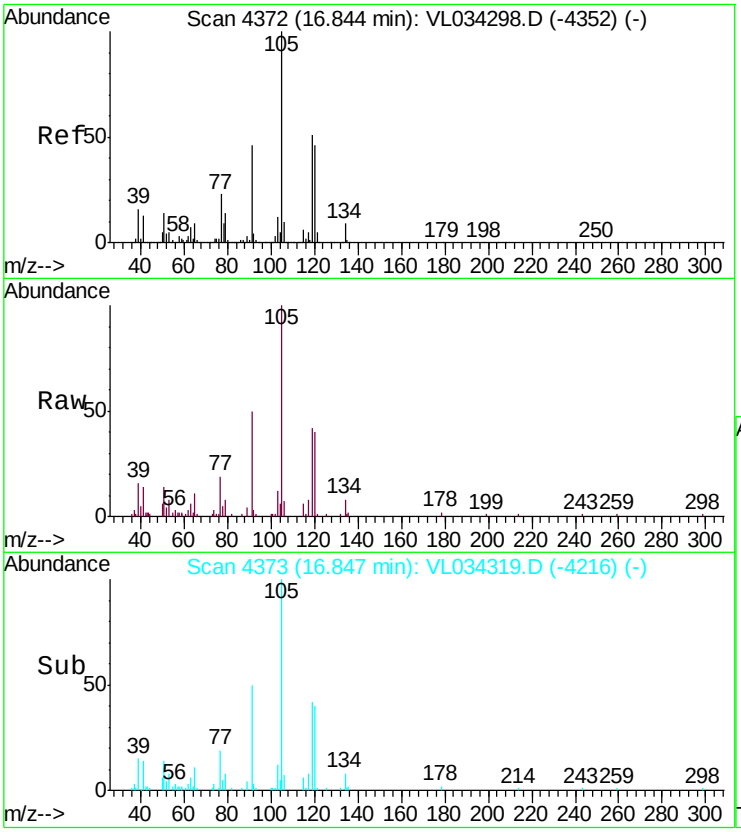


#73
1,3,5-Trimethylbenzene
Concen: 0.121 ppbv
RT: 16.08 min Scan# 4134
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:105 Resp: 31794

Ion	Ratio	Lower	Upper
105	100		
120	43.1	35.2	52.8



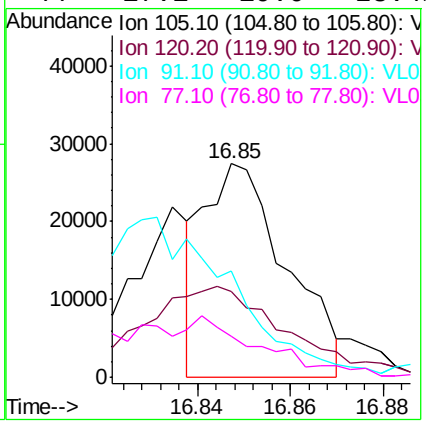


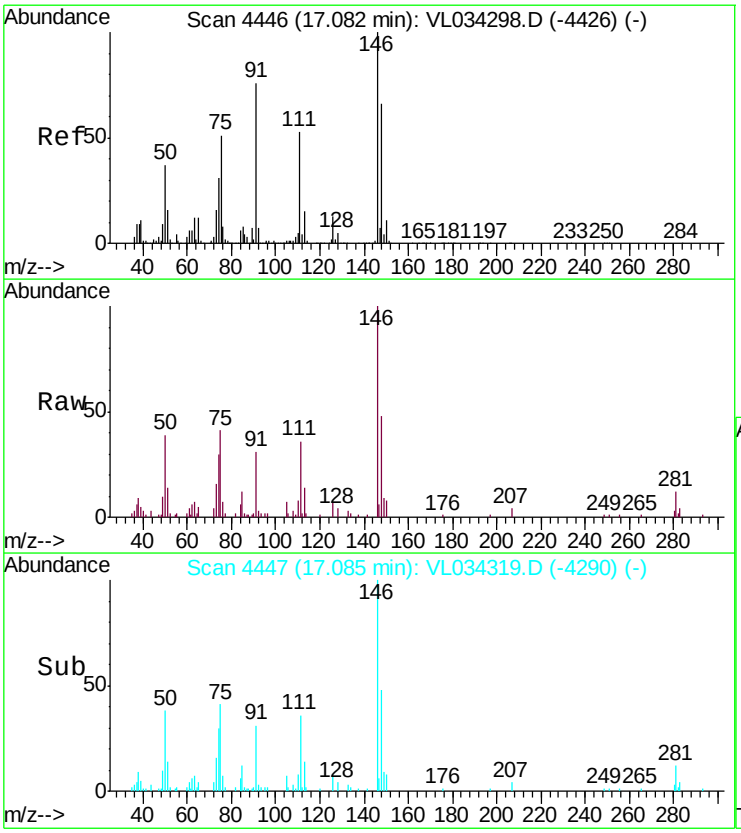
#74
1,2,4-Trimethylbenzene
Concen: 0.123 ppbv
RT: 16.85 min Scan# 4373
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:105 Resp: 33770

Ion	Ratio	Lower	Upper
105	100		
120	34.1	37.0	55.6#
91	53.5	38.2	57.2
77	17.1	19.0	28.4#

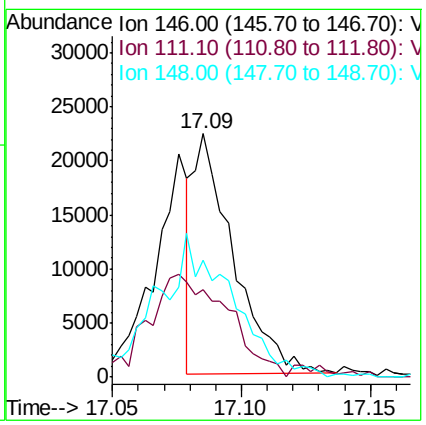


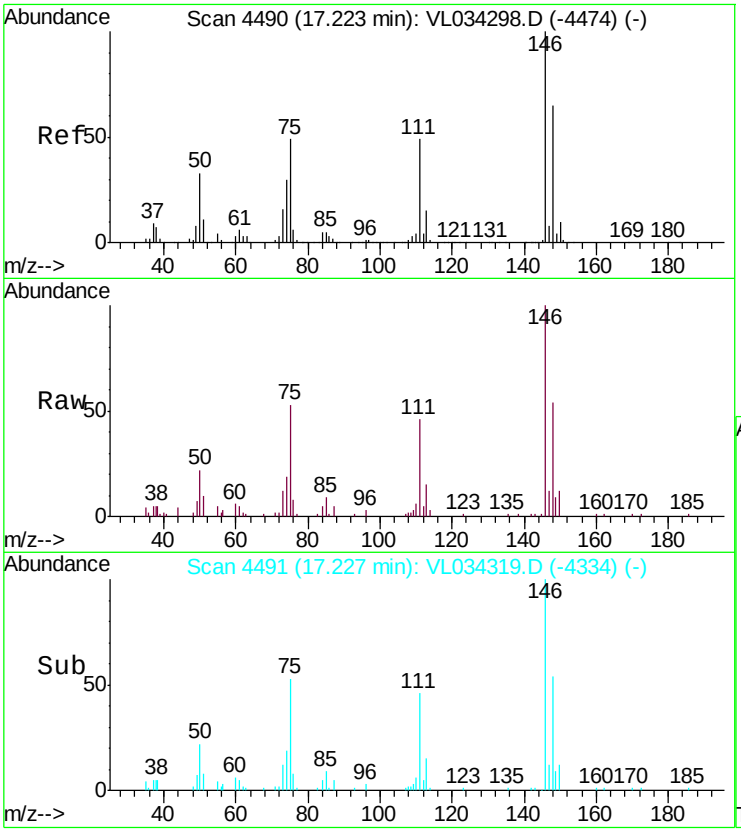


#75
1,3-Dichlorobenzene
Concen: 0.145 ppbv
RT: 17.09 min Scan# 4447
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:146 Resp: 23962

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.5	73.5#
148	0.0	32.3	96.8#



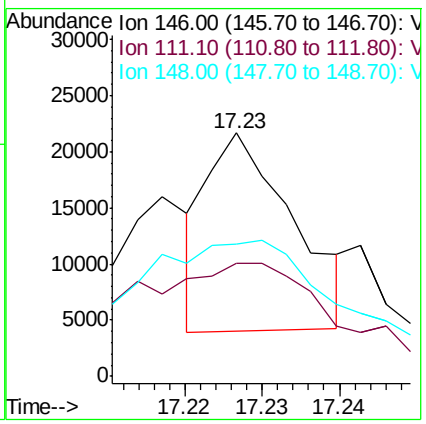


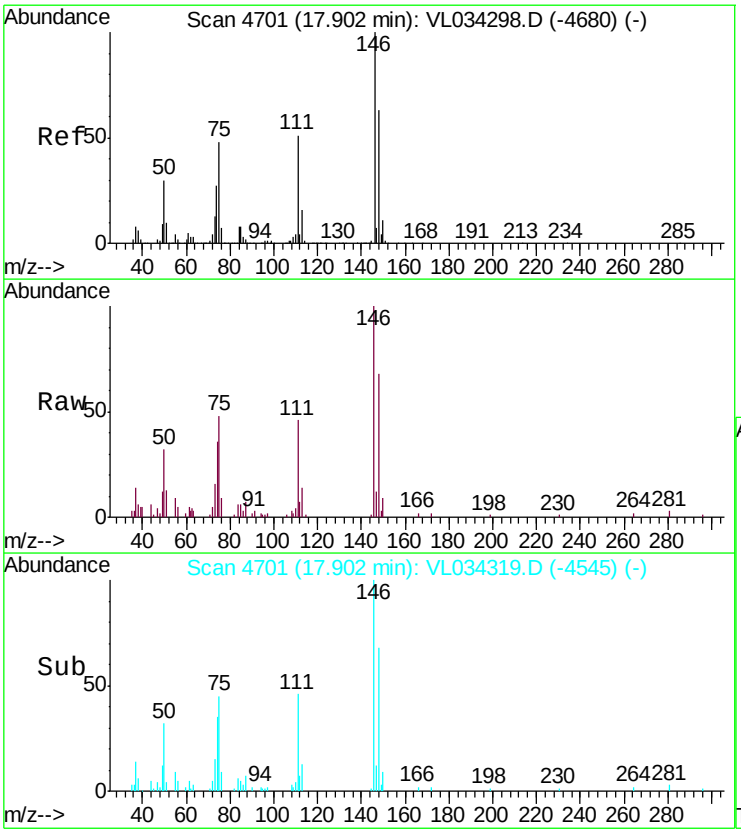
#76
1,4-Dichlorobenzene
Concen: 0.085 ppbv
RT: 17.23 min Scan# 4491
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

Tgt Ion:146 Resp: 13651

Ion	Ratio	Lower	Upper
146	100		
111	159.7	23.9	71.7#
148	205.6	33.1	99.2#

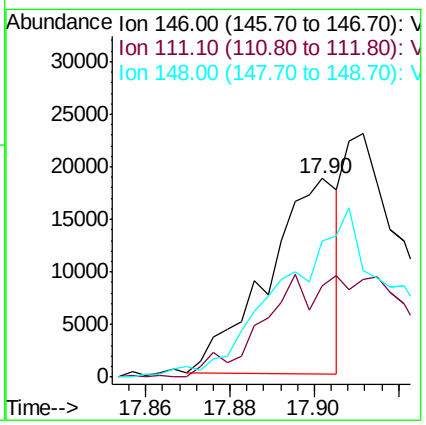


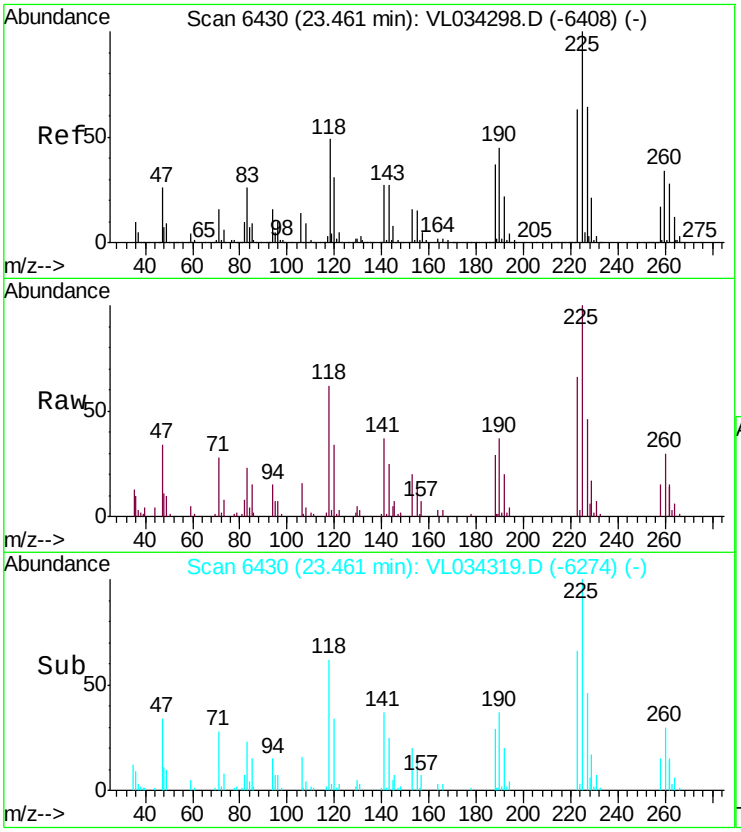


#77
1,2-Dichlorobenzene
Concen: 0.133 ppbv
RT: 17.90 min Scan# 4701
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:146 Resp: 21591

Ion	Ratio	Lower	Upper
146	100		
111	115.8	25.1	75.3#
148	0.0	32.3	96.8#



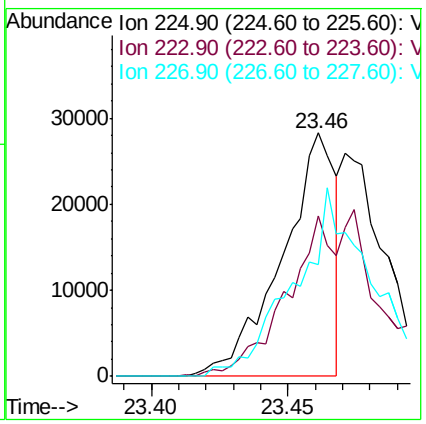


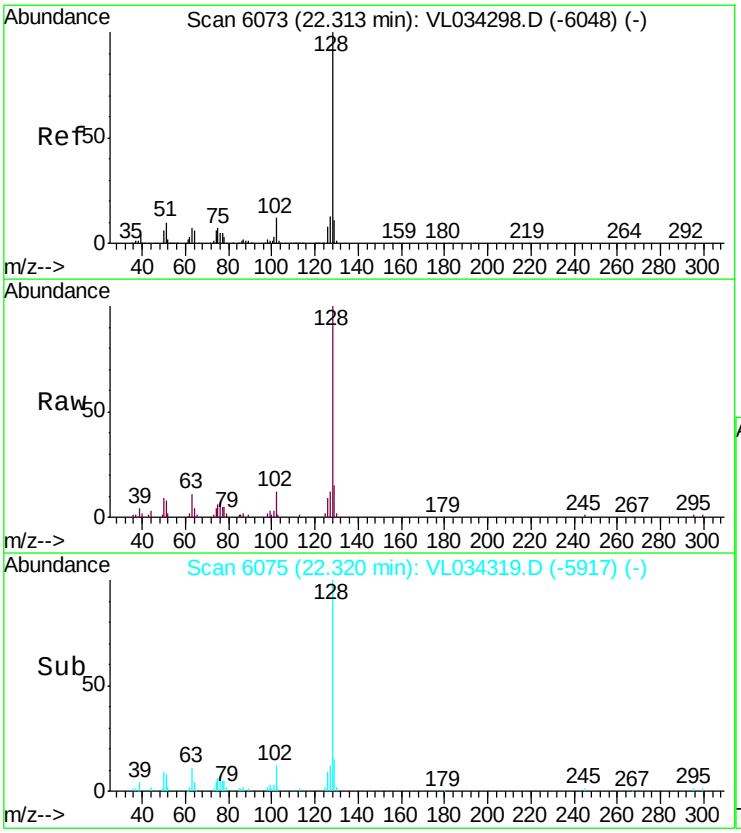
#78
Hexachloro-1,3-Butadiene
Concen: 0.285 ppbv
RT: 23.46 min Scan# 6430
Delta R.T. 0.00 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:225 Resp: 38132

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.8	76.2#
227	110.8	51.5	77.3#

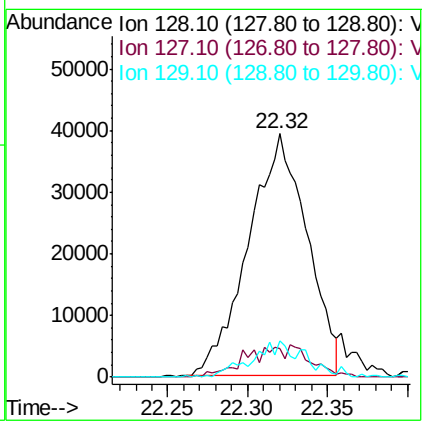


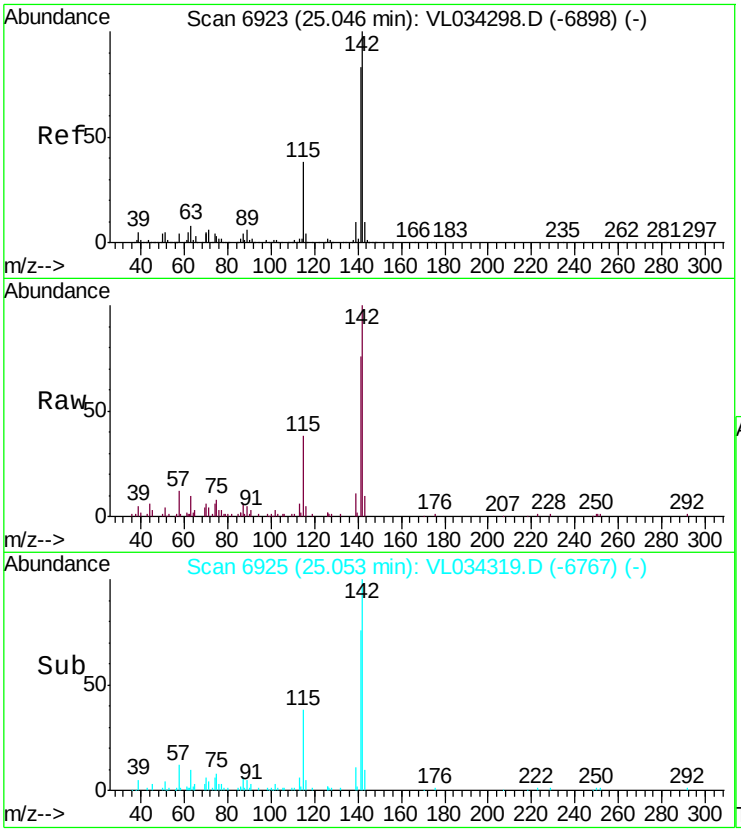


#79
Naphthalene
Concen: 0.496 ppbv
RT: 22.32 min Scan# 6075
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:128 Resp: 99583

Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.2	15.4
129	14.4	8.9	13.3#



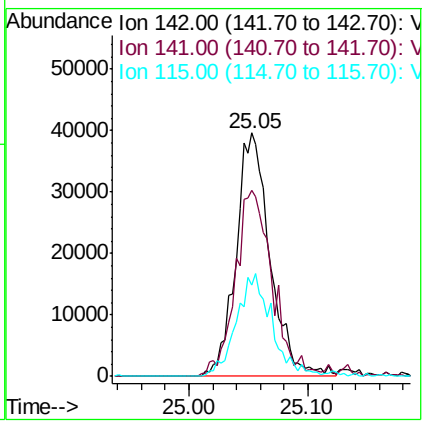


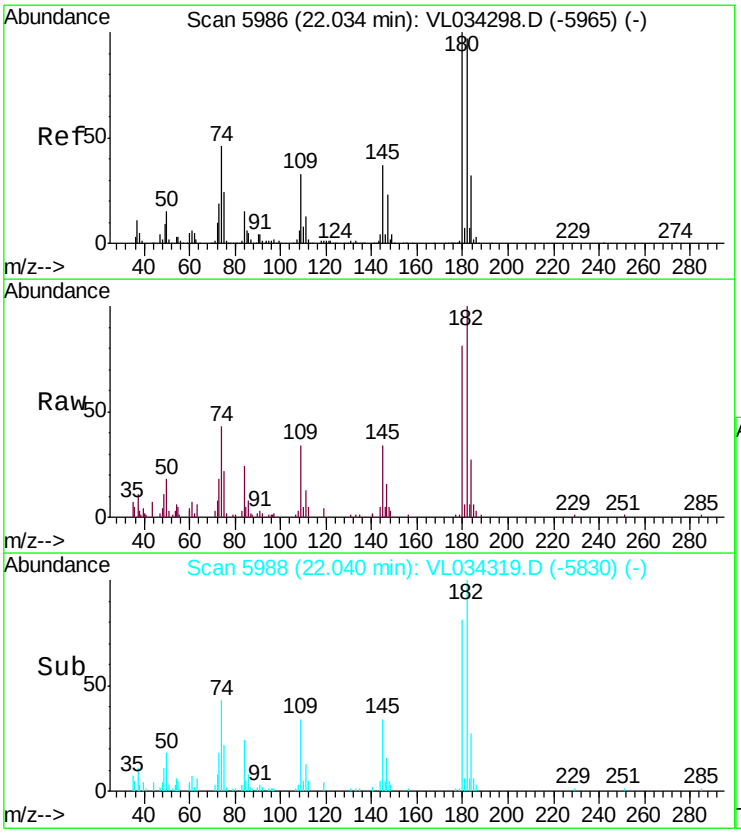
#80
Naphthalene,2-methyl-
Concen: 1.351 ppbv
RT: 25.05 min Scan# 6925
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion:142 Resp: 78413

Ion	Ratio	Lower	Upper
142	100		
141	83.4	65.7	98.5
115	44.4	30.9	46.3





#81
1,2,4-Trichlorobenzene
Concen: 0.116 ppbv
RT: 22.04 min Scan# 5988
Delta R.T. 0.01 min
Lab File: VL034319.D
Acq: 17 Oct 2019 16:05

Tgt Ion:180 Resp: 15241

Ion	Ratio	Lower	Upper
180	100		
182	413.0	77.8	116.8#
184	0.0	25.4	38.2#