Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

Quantitation Report (Not Reviewed)

Data File : VL032931.D
Acq On : 7 Dec 2018 12:34
Operator : SY/AP
Sample : J6176-03 1.2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Quant Time: Dec 08 01:58:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1061163	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2691054	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2652258	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1972956	10.07	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	23812	0.168	ppbv		98
3) Chlorodifluoromethane	3.06	51	530361	6.599	ppbv	#	55
4) Chloromethane	3.17	50	16082	0.344	ppbv		97
5) Vinyl Chloride	3.29	62	1916	0.040	ppbv	#	56
6) Bromomethane	3.52	94	1010	0.034	ppbv	#	40
7) Chloroethane	3.61	64	969	0.057	ppbv	#	61
8) Dichlorotetrafluoroethane	3.22	85	5062	0.043	ppbv	#	80
9) Propene	3.04	41	403304	12.691	ppbv		97
10) Heptane	8.25	43	23487	0.197	ppbv		91
11) Trichlorofluoromethane	4.01	101	16899	0.127	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	7560	0.066	ppbv		84
13) Ethanol	3.66	45	399600	36.522	ppbv		97
14) Bromoethene	3.79	108	1536	0.041	ppbv	#	85
15) Acetone	3.90	43	2875122	31.566	ppbv	#	77
16) 1,3-Butadiene	3.35	39	758665	20.994	ppbv	#	10
17) tert-Butyl alcohol	4.38	59	62275	2.685	ppbv	#	77
18) 1,1-Dichloroethene	4.35	96	2034	0.046	ppbv	#	55
19) Isopropyl Alcohol	4.04	45	18022	0.315	ppbv	#	95
20) Methylene Chloride	4.42	84	240848	5.410	ppbv		97
21) Allyl Chloride	4.38	41	24326	0.328	ppbv	#	67
22) trans-1,2-Dichloroethene	4.97	96	1922	0.035	ppbv	#	51
23) Vinyl Acetate	5.26	43	113464	0.736	ppbv	#	22
24) 1,1-Dichloroethane	5.10	63	6231	0.046	ppbv	#	87
25) Ethyl Acetate	5.78	43	359853	1.672	ppbv	#	80
26) Hexane	5.79	57	500355	5.037	ppbv	#	43
27) Carbon Disulfide	4.62	76	62829	0.506	ppbv	#	82
28) Methyl tert-Butyl Ether	5.12	73	4810	0.032	ppbv	#	54
29) Chloroform	5.86	83	23567	0.133	ppbv	#	84
30) Cyclohexane	7.25	84	3084	0.037	ppbv	#	1
31) cis-1,2-Dichloroethene	5.65	61	2812	0.031	ppbv	#	77
32) 1,1,1-Trichloroethane	6.62	97	7114	0.038	ppbv		94
34) 2-Butanone	5.33	43	10125214	86.380	ppbv		96
35) Carbon Tetrachloride	7.14	117	16462	0.078	ppbv		95
36) Benzene	7.01	78	37810	0.191	ppbv	#	89
37) 1,2-Dichloroethane	6.42	62	6743	0.050	ppbv		100
38) Trichloroethene	7.97	130	4876	0.059	ppbv	#	79
39) 1,2-Dichloropropane	7.30	63	673193	8.968	ppbv	#	21
41) Tetrahydrofuran	6.16	42	5944	0.082	ppbv	#	1
42) Bromodichloromethane	7.93	83	8284	0.044	ppbv	#	95
44) 2,2,4-Trimethylpentane	7.99	57	12212	0.036	ppbv	#	37
51) 2-Hexanone	10.27	43	988153	7.773	ppbv	#	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

Quantitation Report (Not Reviewed)

Data File : VL032931.D
Acq On : 7 Dec 2018 12:34
Operator : SY/AP
Sample : J6176-03 1.2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Quant Time: Dec 08 01:58:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Tetrachloroethene	11.38	164	7200	0.100	ppbv		87
53) Toluene	9.95	91	149848	0.714	ppbv		99
54) 1,2-Dibromoethane	10.77	107	5037	0.039	ppbv		93
58) Ethyl Benzene	12.87	91	24274	0.086	ppbv		100
59) m/p-Xylene	13.15	91	37653	0.147	ppbv	#	100
60) o-Xylene	13.85	91	13342	0.052	ppbv	#	32
61) Styrene	13.70	104	36521	0.212	ppbv	#	91
63) 1,1,2,2-Tetrachloroethane	13.84	83	26957	0.134	ppbv	#	60
65) tert-Butylbenzene	16.91	119	14406	0.043	ppbv	#	43
66) Benzyl Chloride	17.15	91	6126	0.033	ppbv	#	1
67) sec-Butylbenzene	17.47	105	28814	0.058	ppbv		99
69) p-Isopropyltoluene	17.82	119	35137	0.088	ppbv	#	61
70) n-Butylbenzene	18.72	91	19083	0.052	ppbv	#	47
72) 4-Ethyltoluene	16.00	105	24379	0.084	ppbv	#	58
73) 1,3,5-Trimethylbenzene	16.17	105	27775	0.098	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	70352	0.221	ppbv	#	72
75) 1,3-Dichlorobenzene	17.17	146	10464	0.056	ppbv	#	63
76) 1,4-Dichlorobenzene	17.32	146	7052	0.040	ppbv	#	18
77) 1,2-Dichlorobenzene	17.99	146	7889	0.045	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.55	225	8729	0.091	ppbv	#	80
80) Naphthalene,2-methyl-	25.12	142	5271	0.120	ppbv	#	86

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

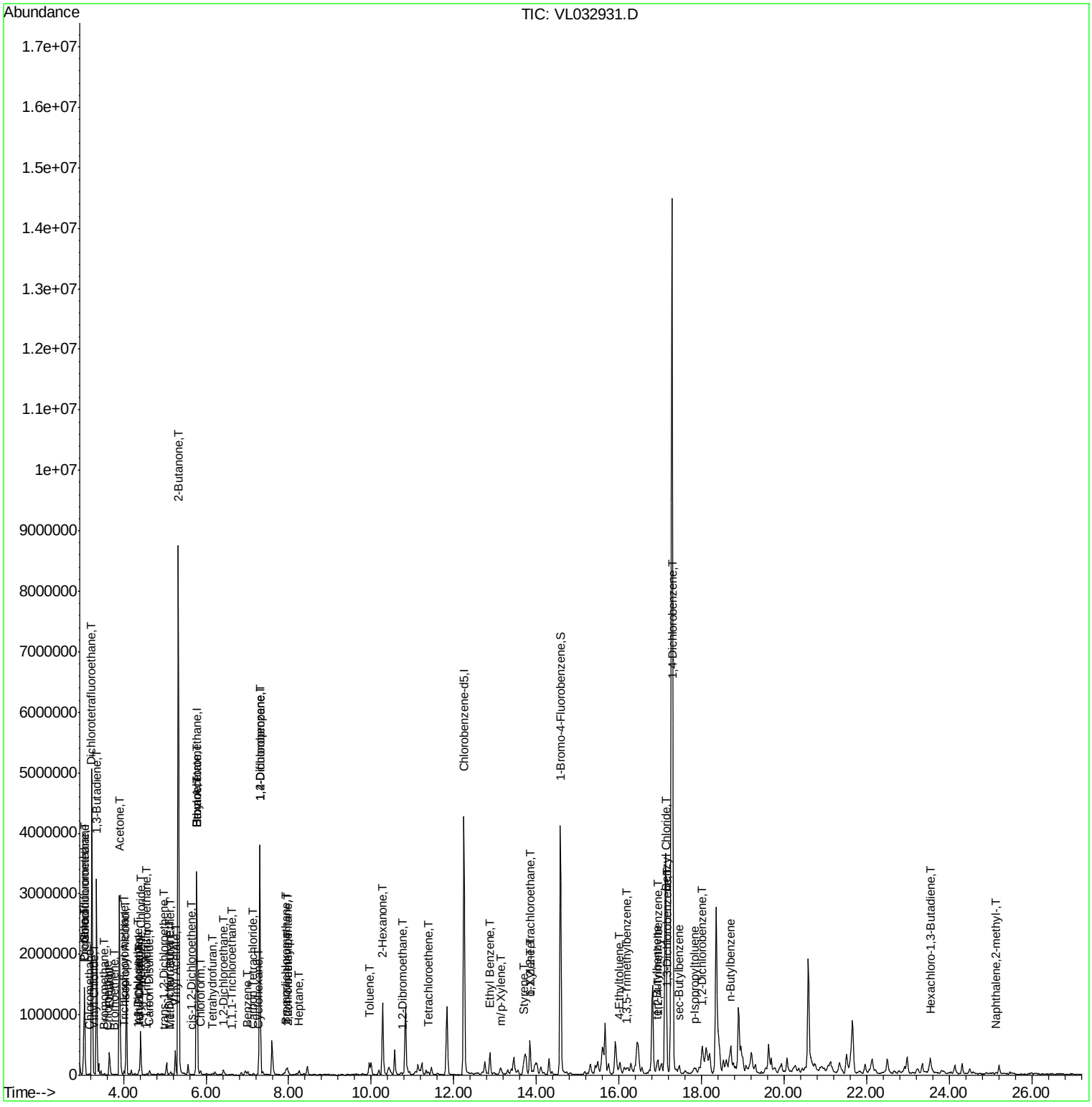
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

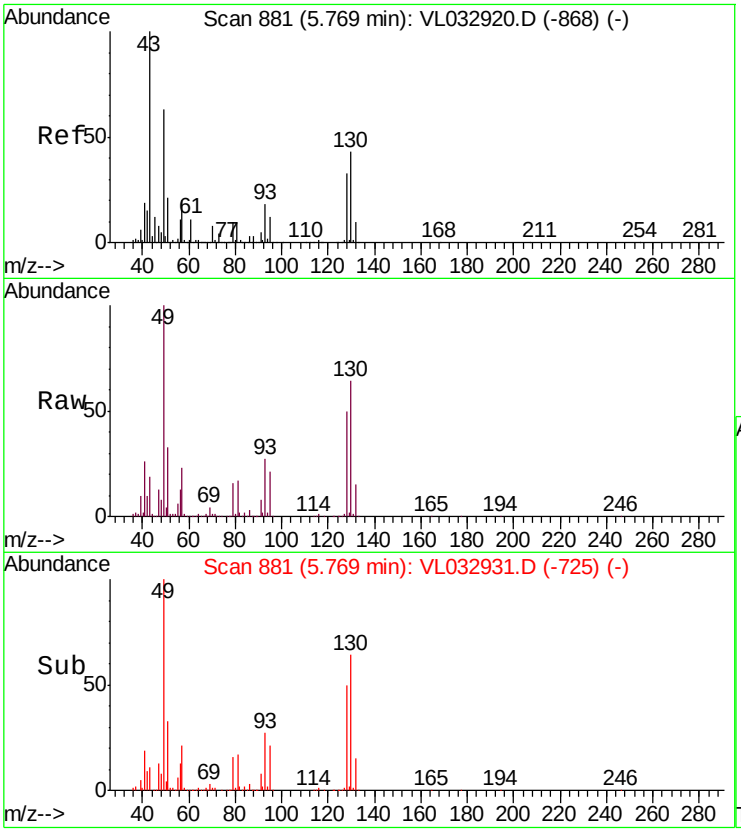
Quantitation Report (Not Reviewed)

Data File : VL032931.D
Acq On : 7 Dec 2018 12:34
Operator : SY/AP
Sample : J6176-03 1.2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Quant Time: Dec 08 01:58:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration



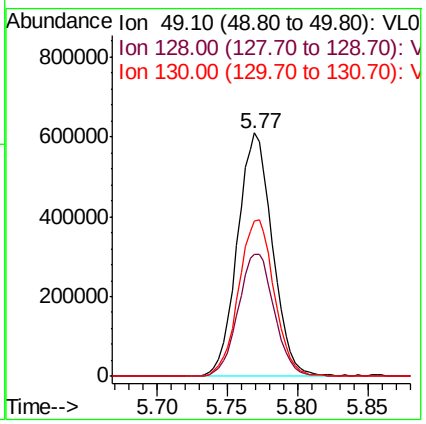


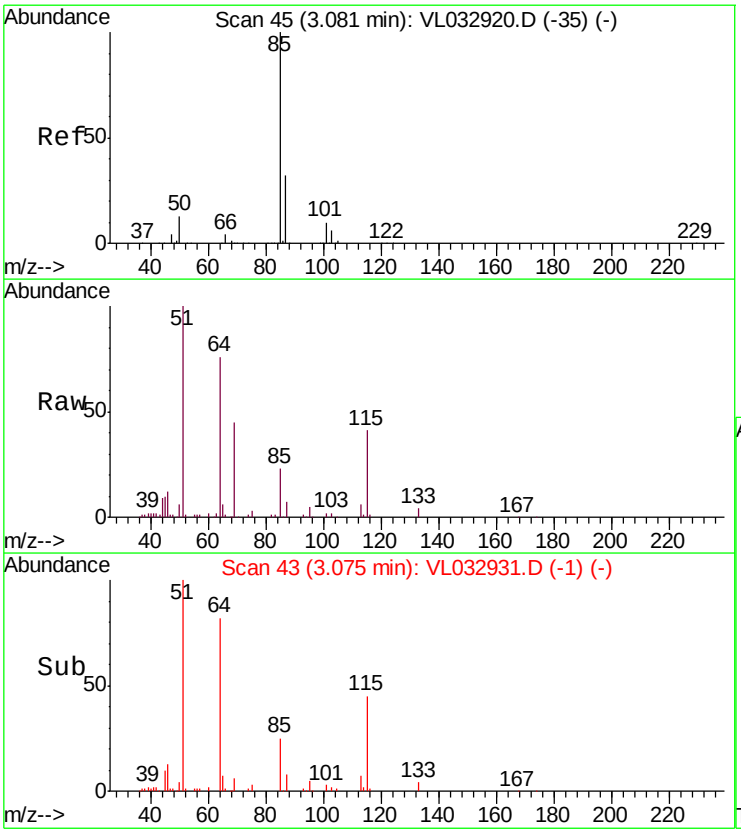
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 49 Resp: 1061163

Ion	Ratio	Lower	Upper
49	100		
128	52.0	26.3	78.8
130	65.8	33.9	101.7

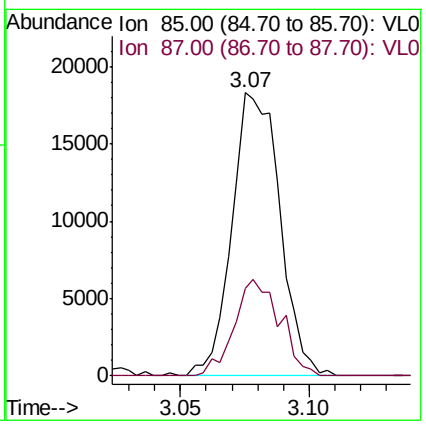


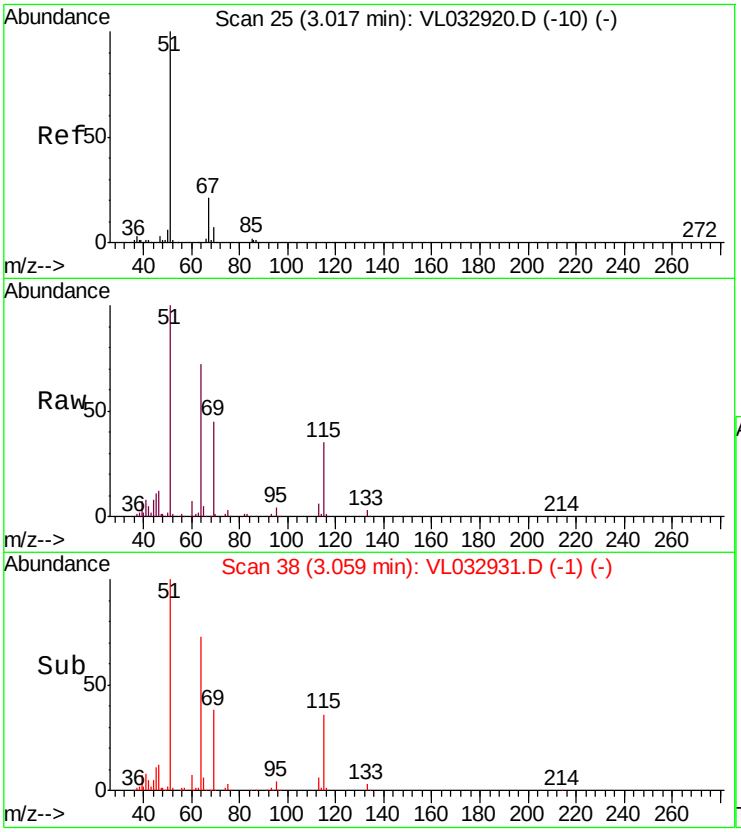


#2
Dichlorodifluoromethane
Concen: 0.168 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 85 Resp: 23812

Ion	Ratio	Lower	Upper
85	100		
87	31.1	25.7	38.5



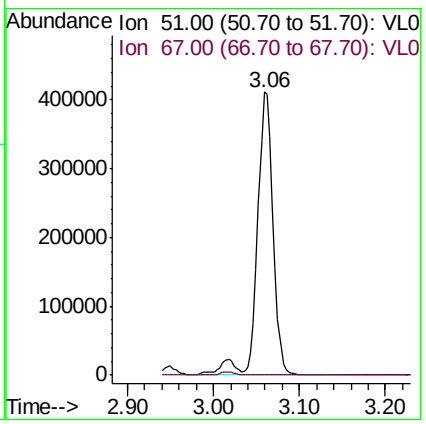


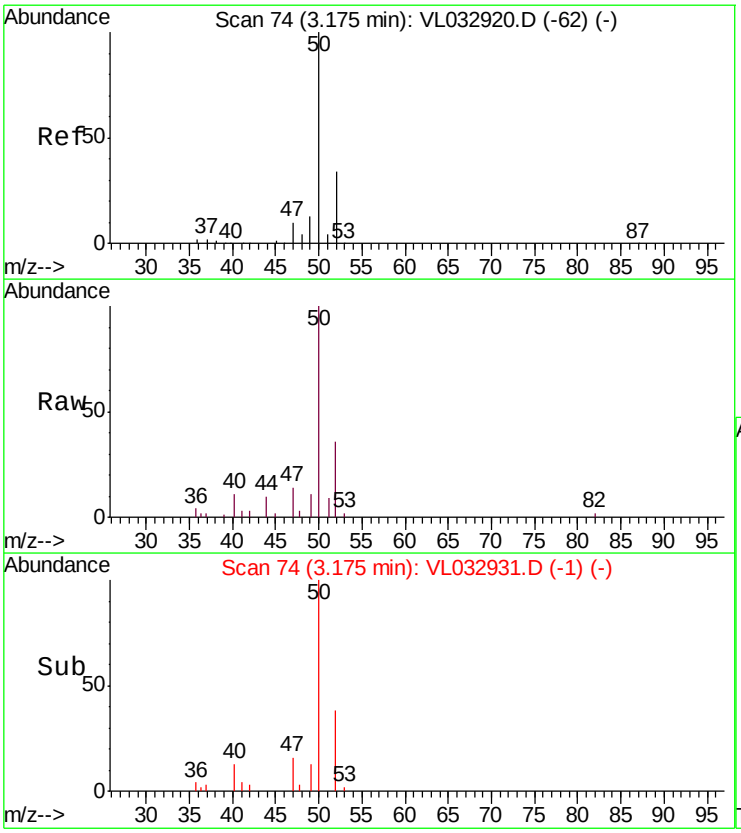
#3
Chlorodifluoromethane
Concen: 6.599 ppbv
RT: 3.06 min Scan# 38
Delta R.T. 0.04 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 51 Resp: 530361

Ion	Ratio	Lower	Upper
51	100		
67	0.0	16.8	25.2#

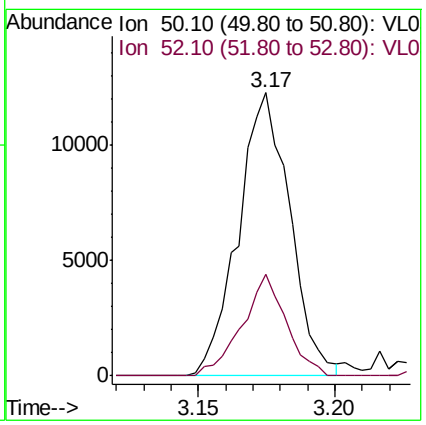


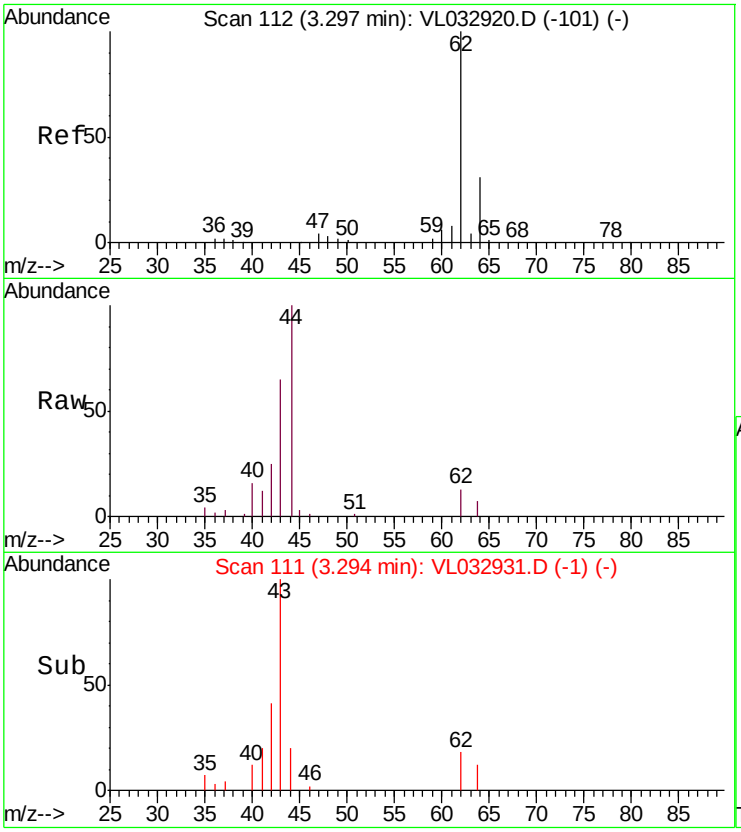


#4
Chloromethane
Concen: 0.344 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 50 Resp: 16082

Ion	Ratio	Lower	Upper
50	100		
52	35.7	27.3	40.9



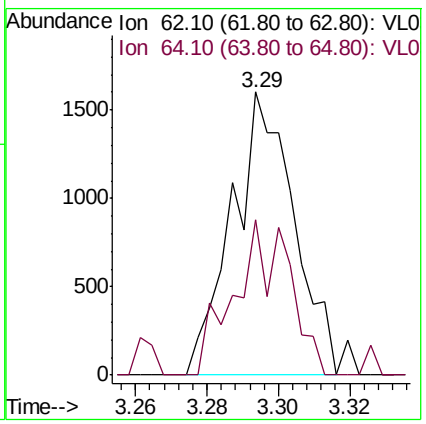


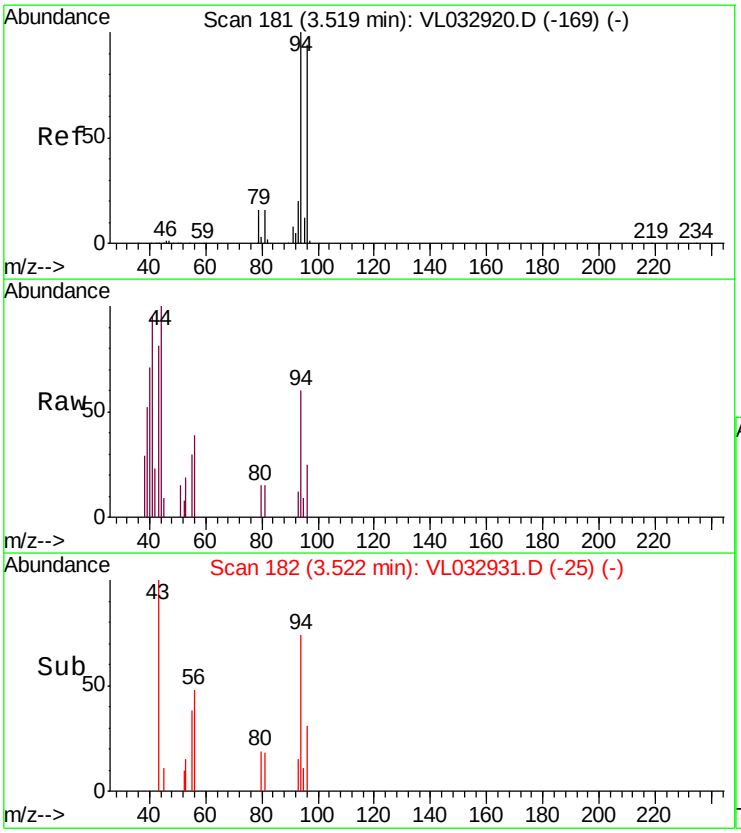
#5
Vinyl Chloride
Concen: 0.040 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 62 Resp: 1916

Ion	Ratio	Lower	Upper
62	100		
64	55.1	24.8	37.2#

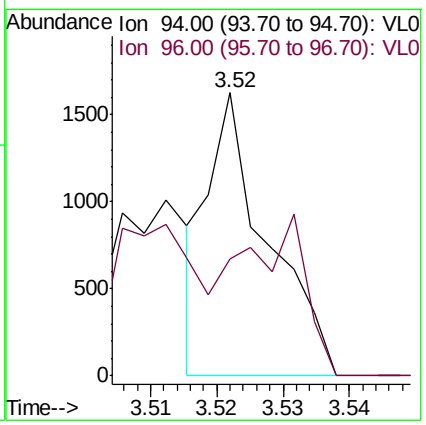


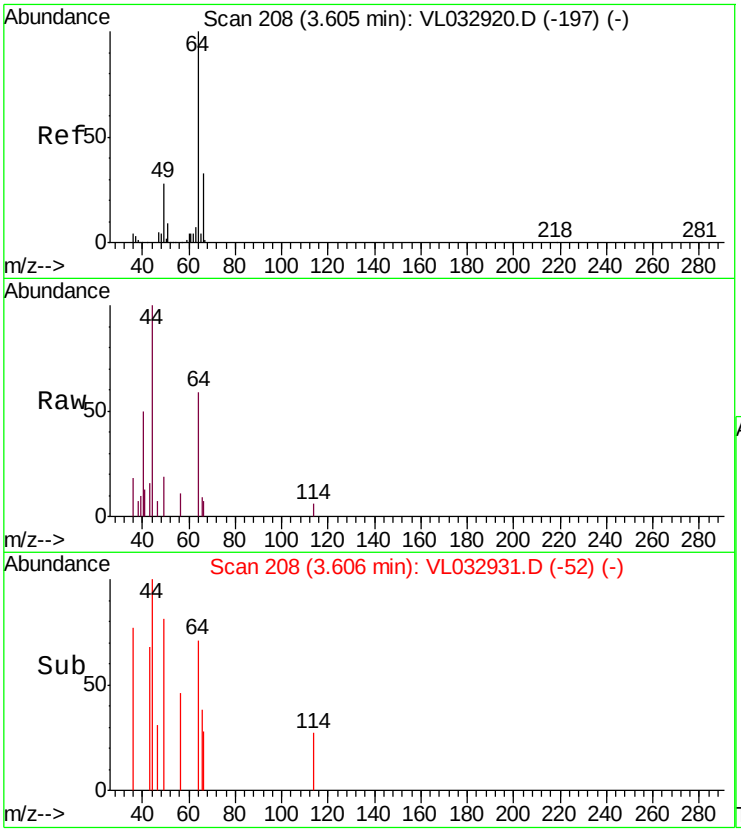


#6
Bromomethane
Concen: 0.034 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 94 Resp: 1010

Ion	Ratio	Lower	Upper
94	100		
96	36.0	75.5	113.3#



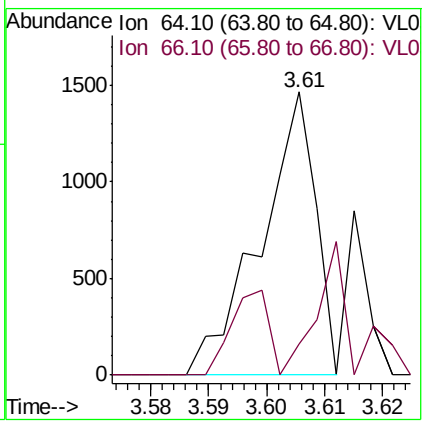


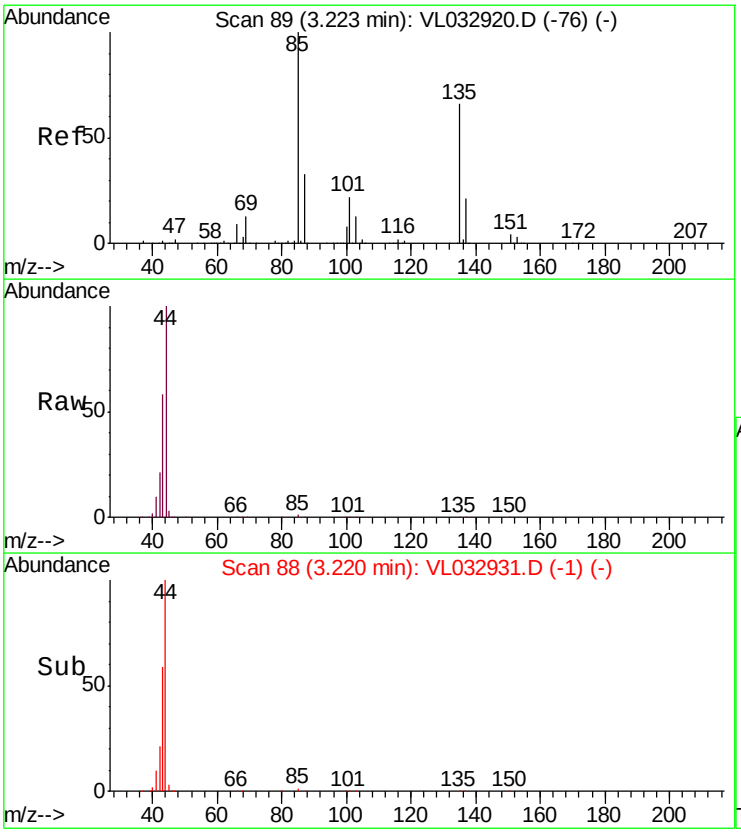
#7
Chloroethane
Concen: 0.057 ppbv
RT: 3.61 min Scan# 208
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 64 Resp: 969

Ion	Ratio	Lower	Upper
64	100		
66	11.1	26.6	40.0#

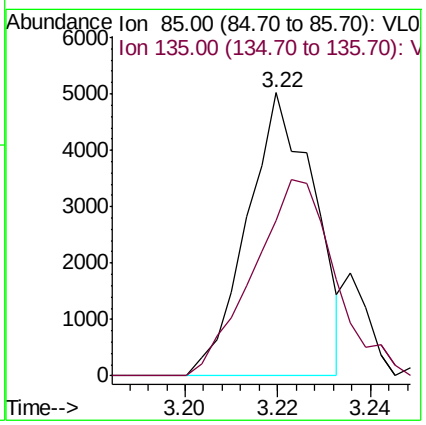


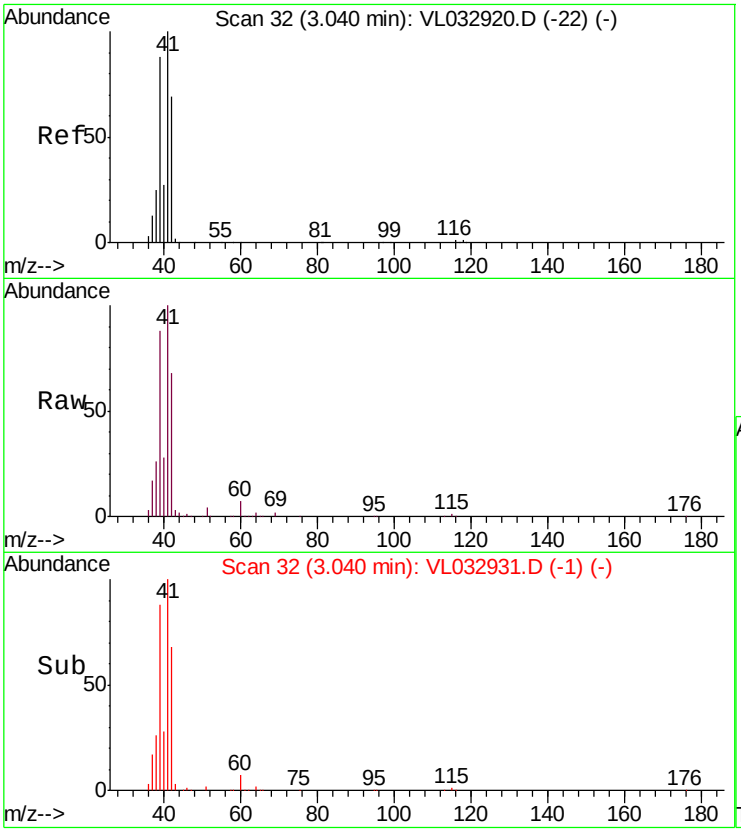


#8
Dichlorotetrafluoroethane
Concen: 0.043 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 85 Resp: 5062

Ion	Ratio	Lower	Upper
85	100		
135	84.2	54.5	81.7#



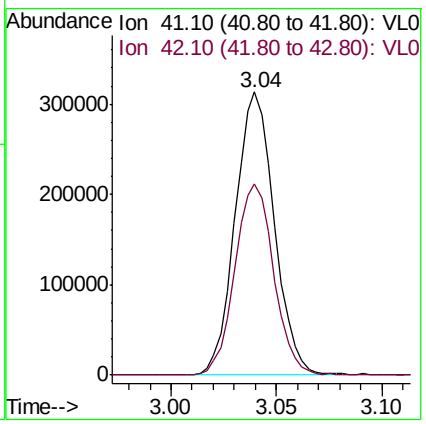


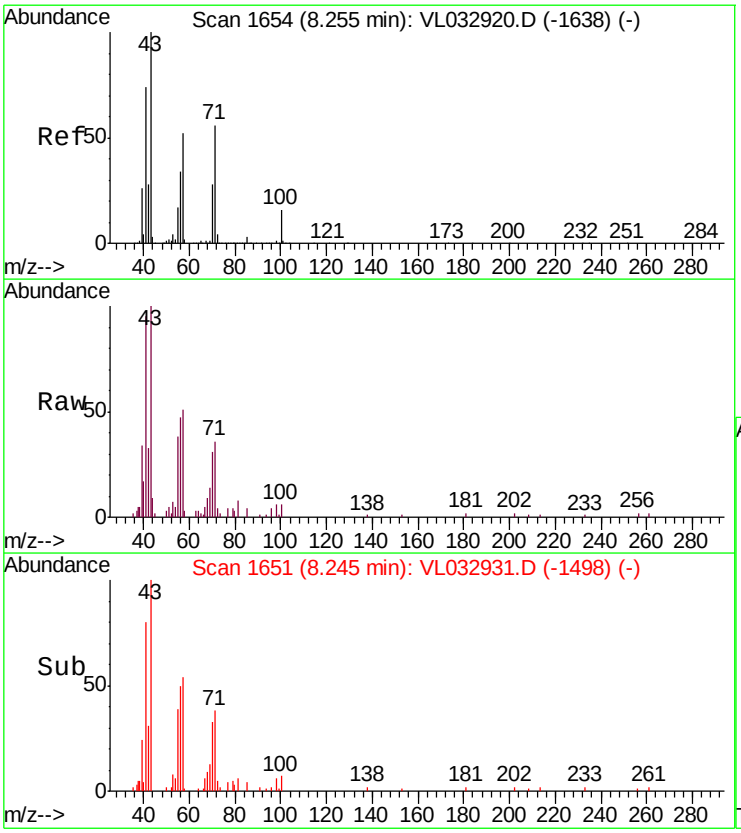
#9
Propene
Concen: 12.691 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 41 Resp: 403304

Ion	Ratio	Lower	Upper
41	100		
42	67.5	56.2	84.2

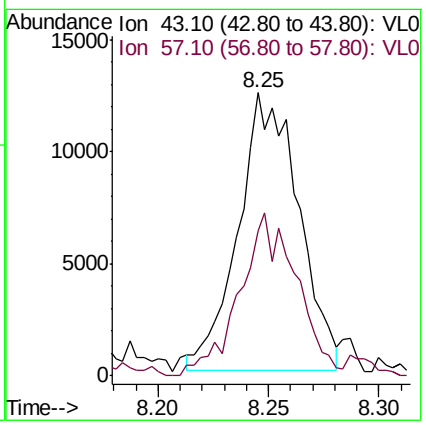


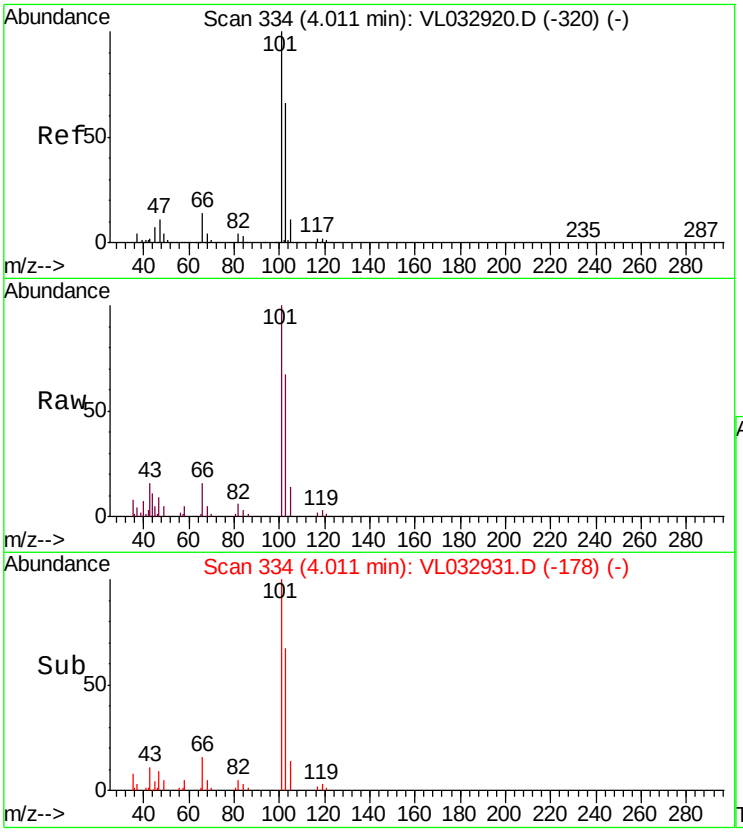


#10
Heptane
Concen: 0.197 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 43 Resp: 23487

Ion	Ratio	Lower	Upper
43	100		
57	58.5	41.8	62.6



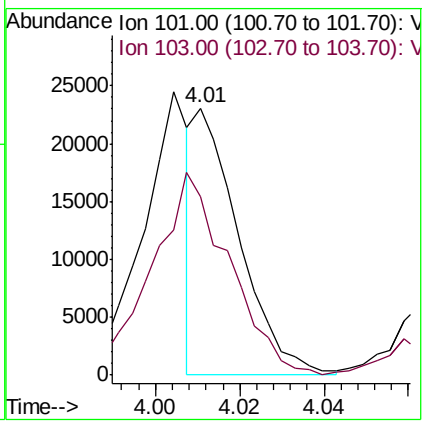


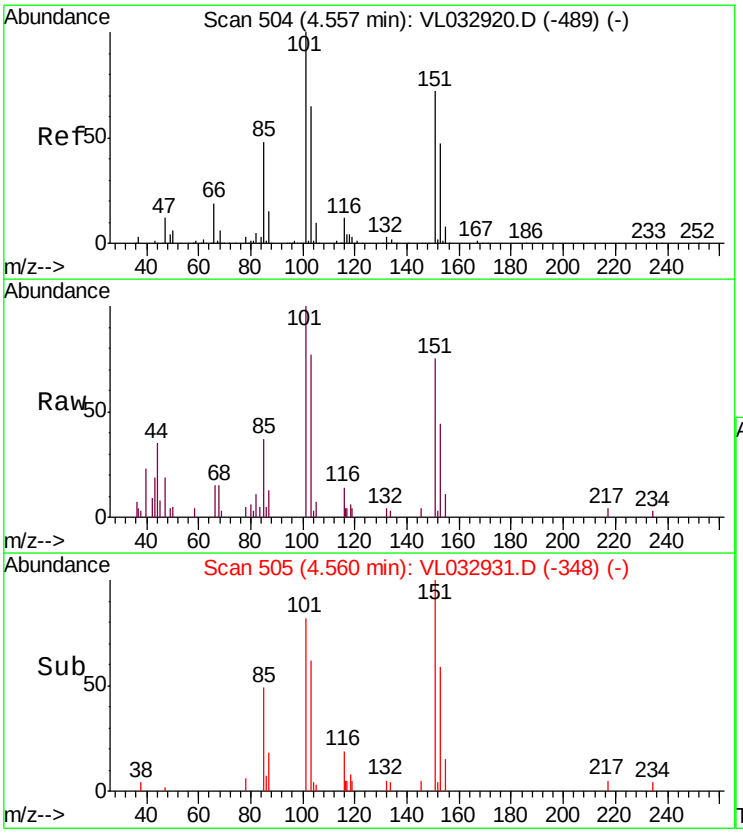
#11
Trichlorofluoromethane
Concen: 0.127 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion:101 Resp: 16899

Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.7	79.1

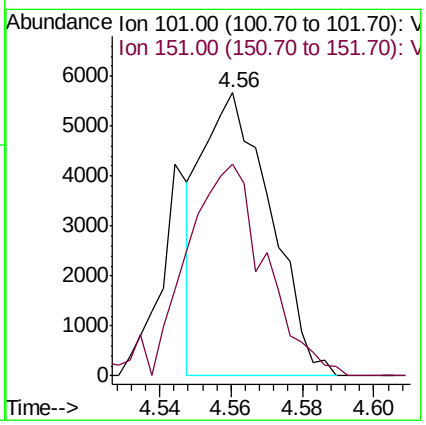


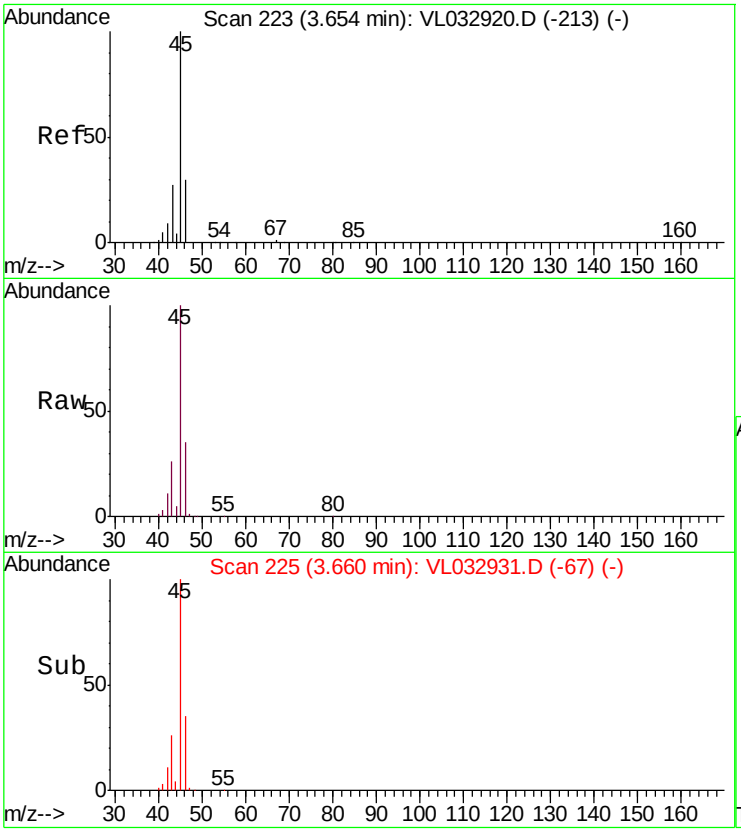


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.066 ppbv
RT: 4.56 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion:101 Resp: 7560

Ion	Ratio	Lower	Upper
101	100		
151	87.7	59.3	88.9



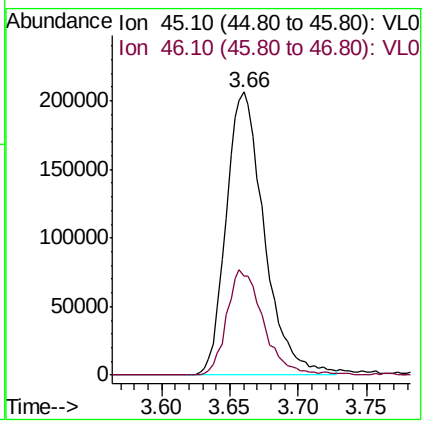


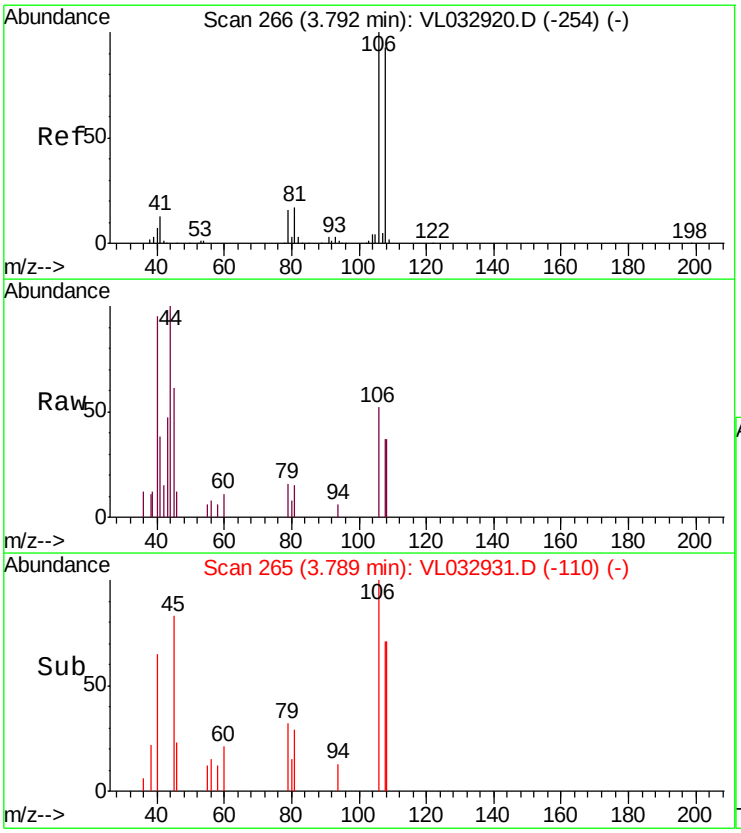
#13
Ethanol
Concen: 36.522 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 45 Resp: 399600

Ion	Ratio	Lower	Upper
45	100		
46	36.4	13.8	55.4

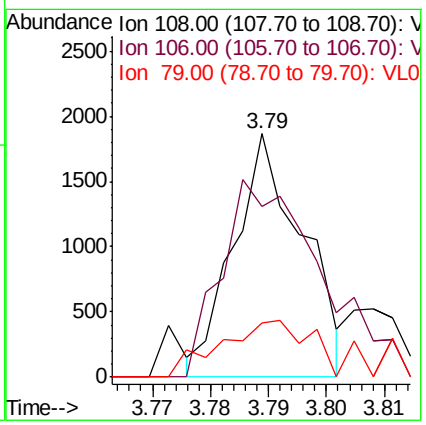


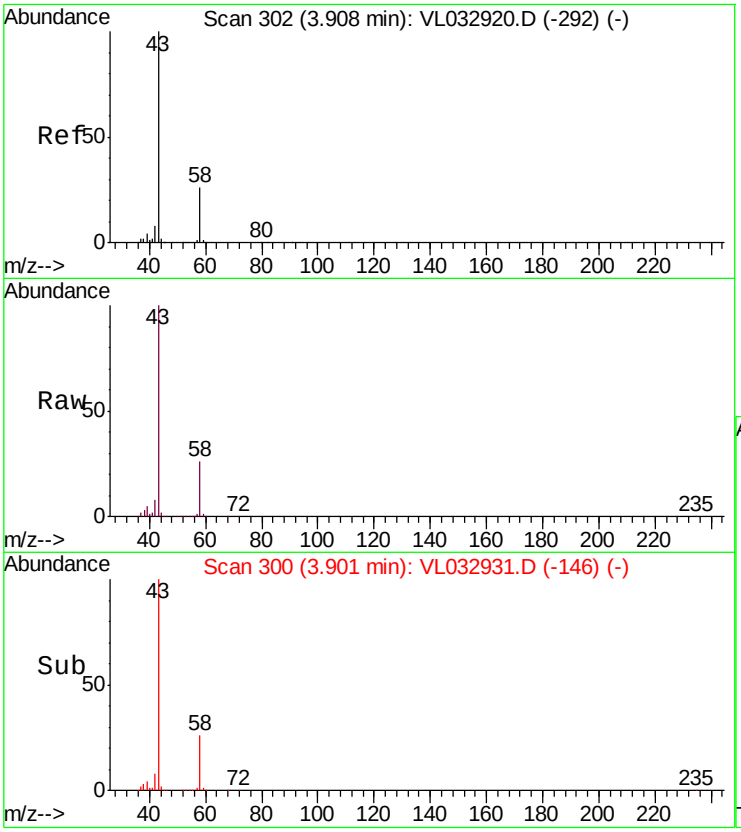


#14
Bromoethene
Concen: 0.041 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion:108 Resp: 1536

Ion	Ratio	Lower	Upper
108	100		
106	117.1	85.4	128.2
79	37.2	14.6	21.8#



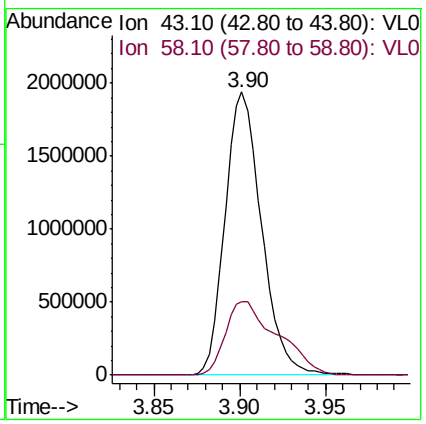


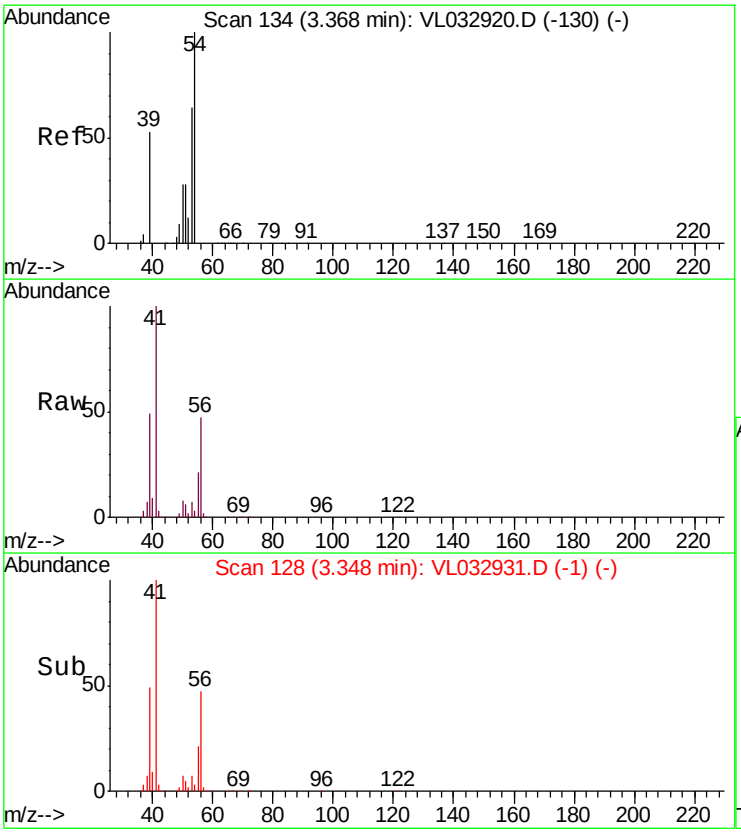
#15
Acetone
Concen: 31.566 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 43 Resp: 2875122

Ion	Ratio	Lower	Upper
43	100		
58	37.4	20.6	30.8#

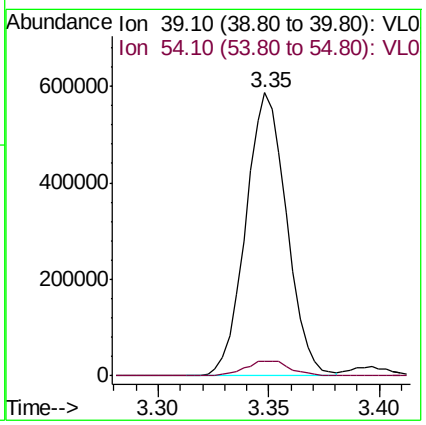


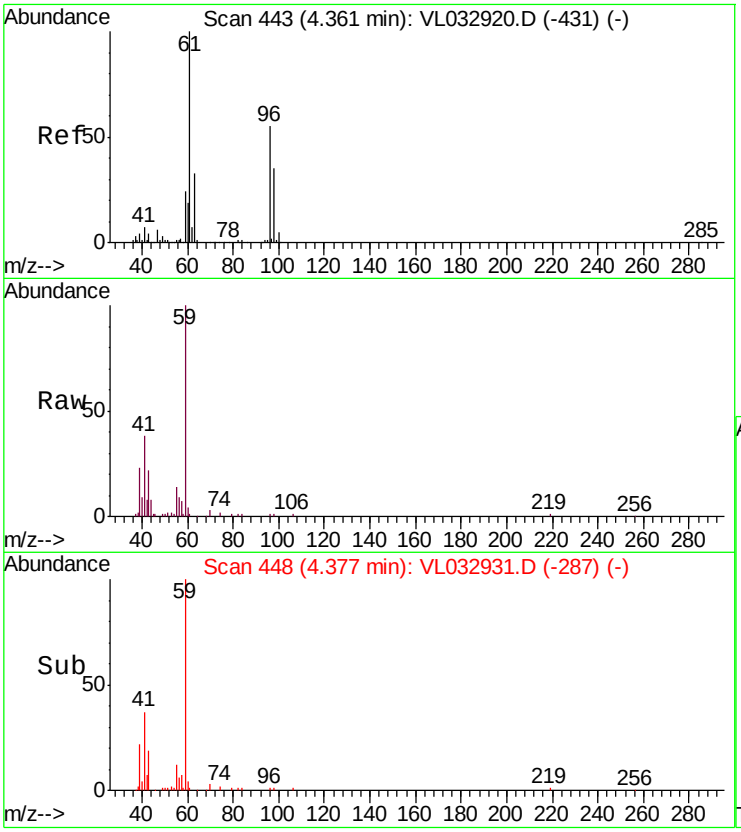


#16
1,3-Butadiene
Concen: 20.994 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 39 Resp: 758665

Ion	Ratio	Lower	Upper
39	100		
54	6.0	72.7	109.1#



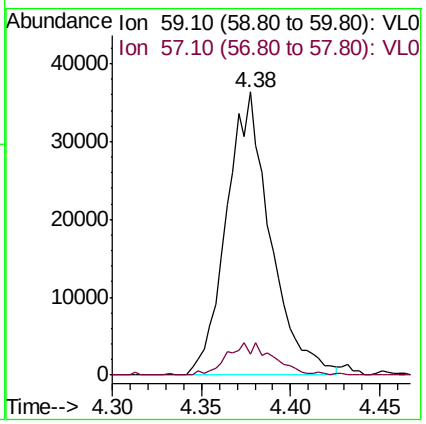


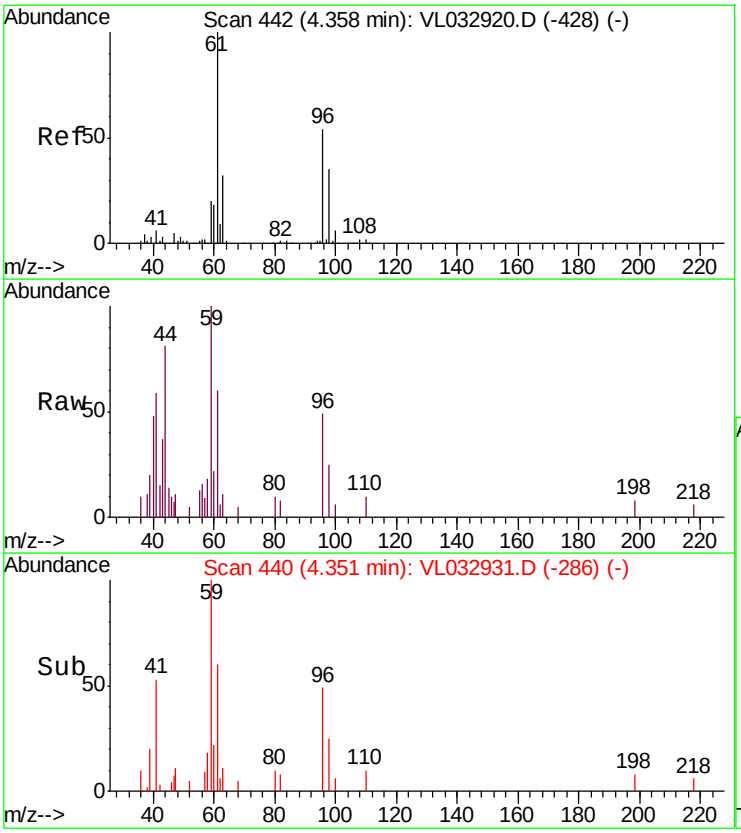
#17
tert-Butyl alcohol
Concen: 2.685 ppbv
RT: 4.38 min Scan# 448
Delta R.T. 0.02 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 59 Resp: 62275

Ion	Ratio	Lower	Upper
59	100		
57	12.1	0.6	1.0#

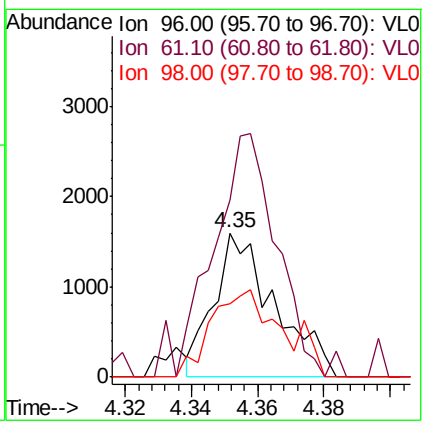


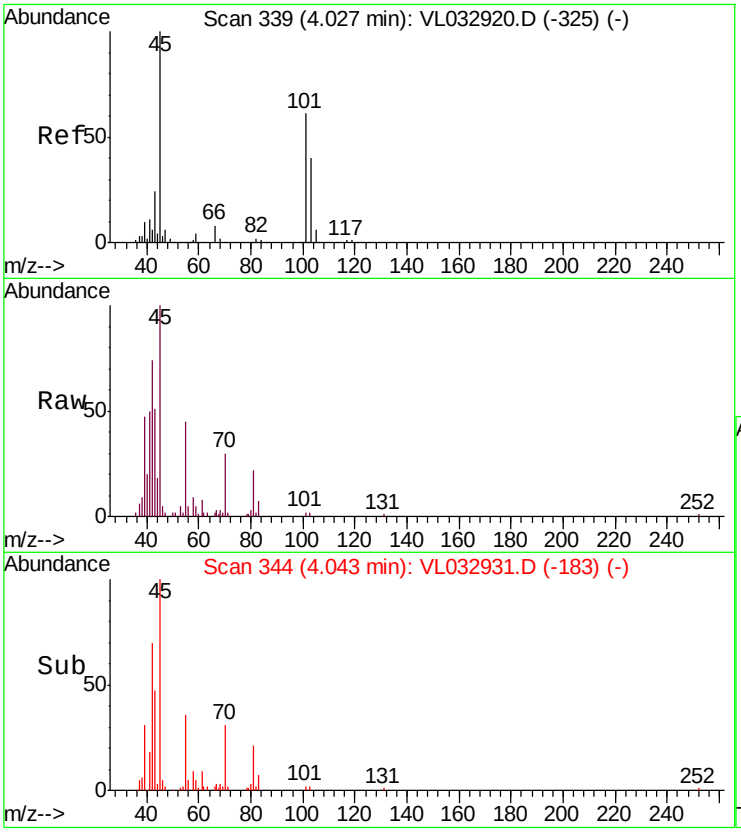


#18
1,1-Dichloroethene
Concen: 0.046 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 96 Resp: 2034

Ion	Ratio	Lower	Upper
96	100		
61	105.0	147.0	220.4#
98	50.6	50.7	76.1#



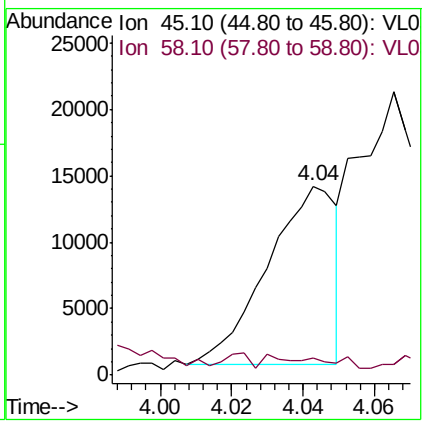


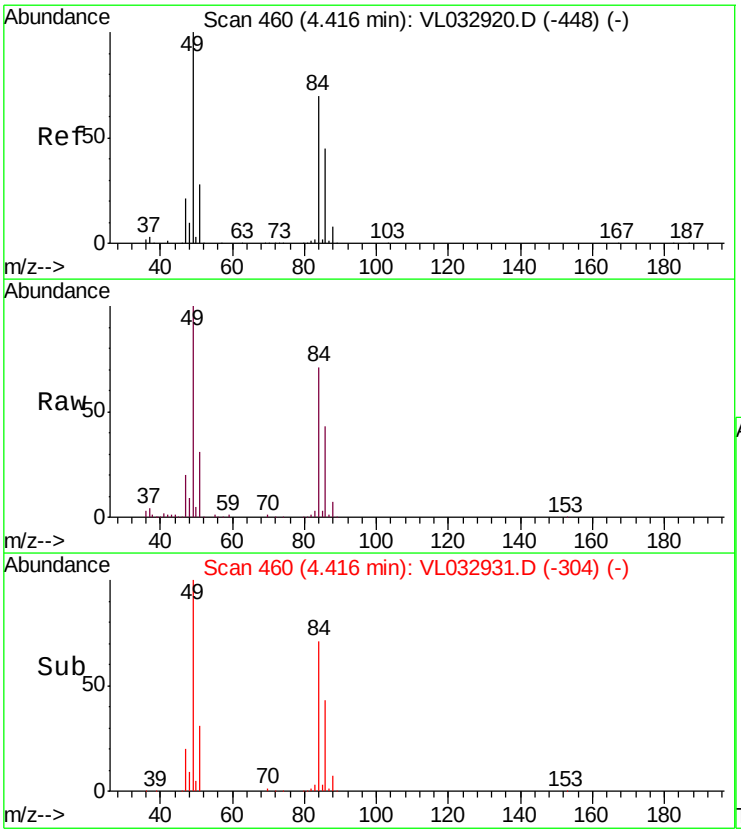
#19
Isopropyl Alcohol
Concen: 0.315 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 45 Resp: 18022

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

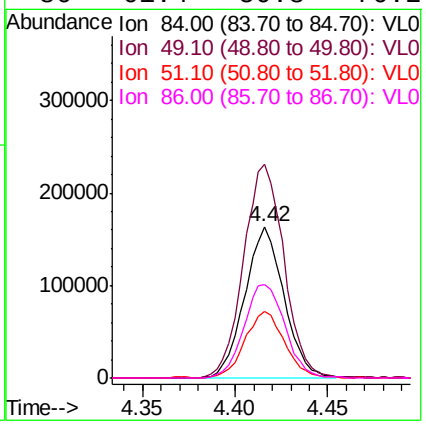


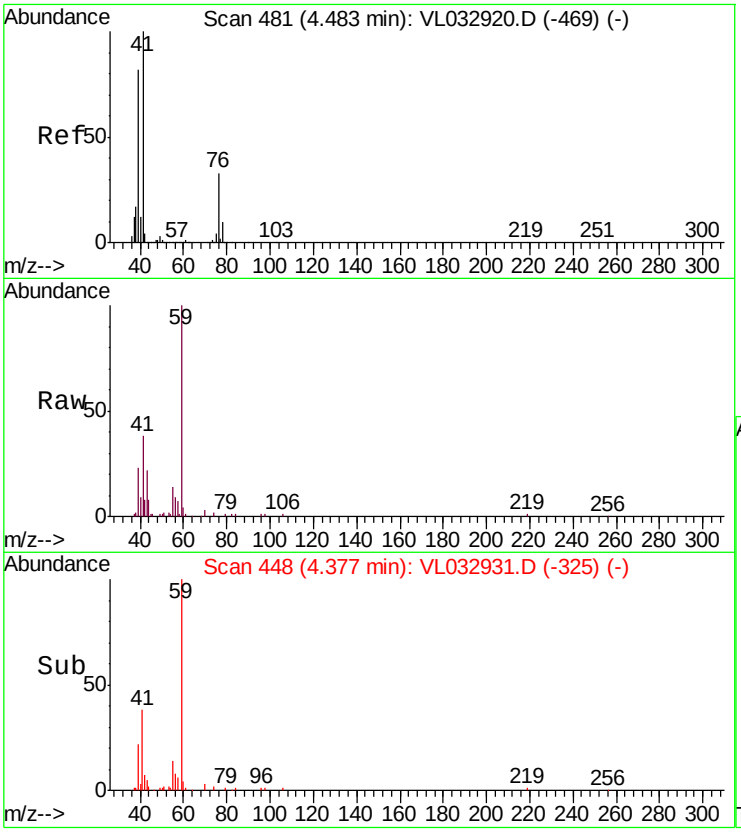


#20
Methylene Chloride
Concen: 5.410 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 84 Resp: 240848

Ion	Ratio	Lower	Upper
84	100		
49	140.4	113.8	170.8
51	43.7	31.8	47.8
86	61.4	50.8	76.2



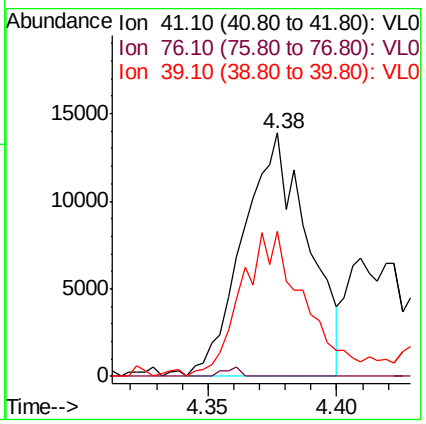


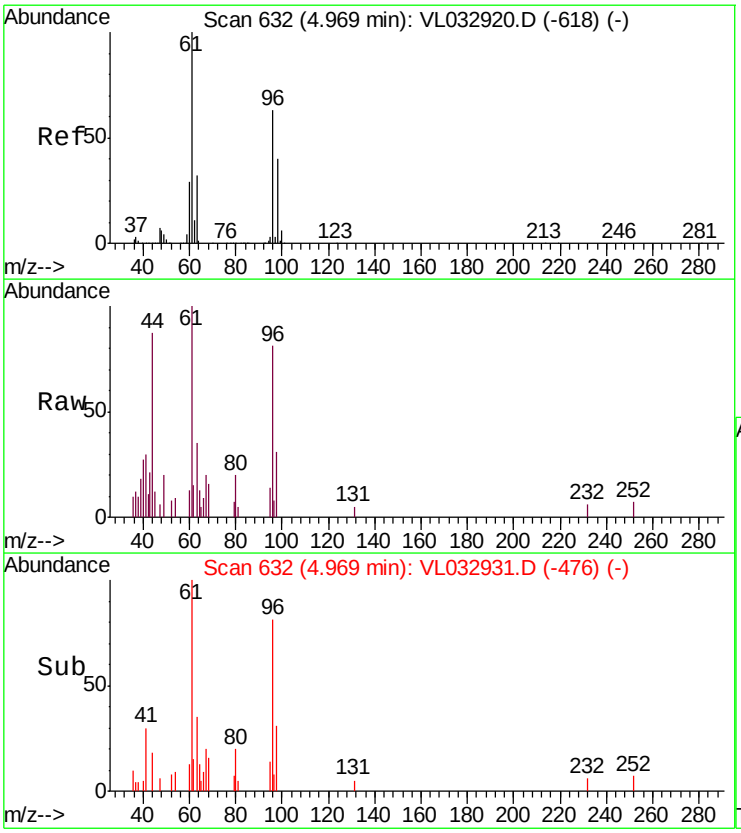
#21
Allyl Chloride
Concen: 0.328 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.11 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 41 Resp: 24326

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	60.1	65.2	97.8#

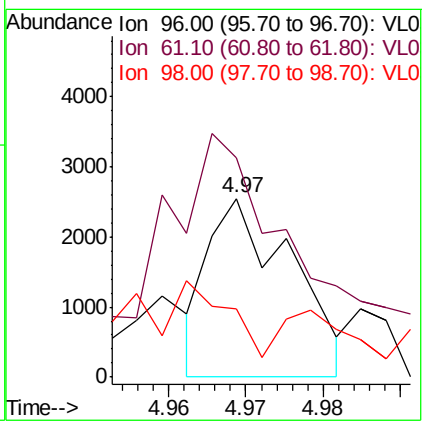


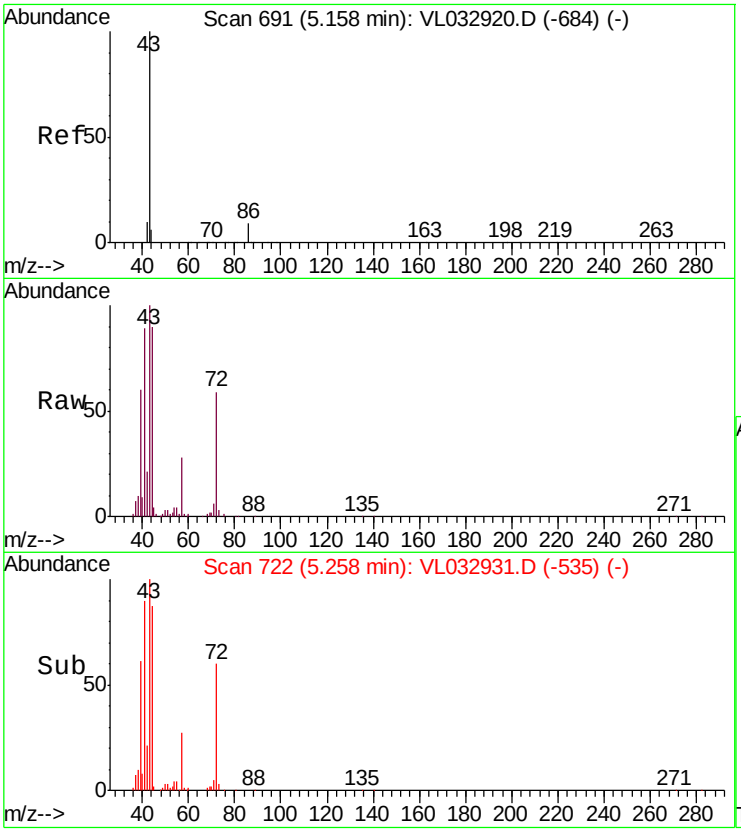


#22
trans-1,2-Dichloroethene
Concen: 0.035 ppbv
RT: 4.97 min Scan# 632
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 96 Resp: 1922

Ion	Ratio	Lower	Upper
96	100		
61	103.3	127.1	190.7#
98	13.6	51.3	76.9#



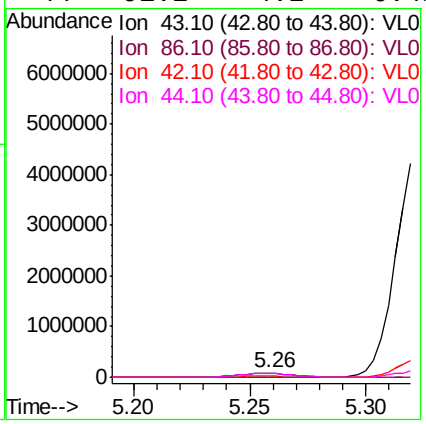


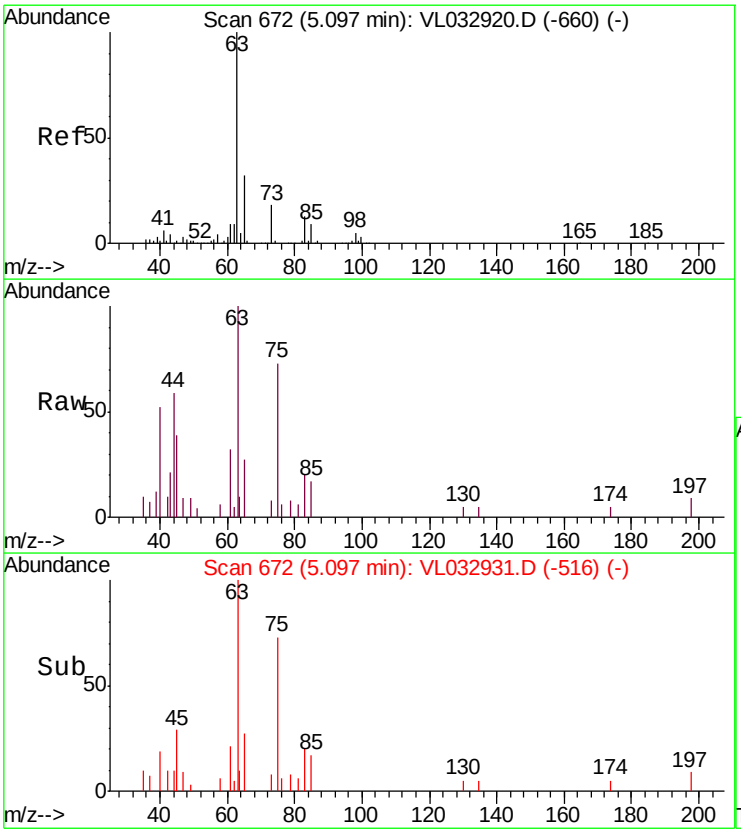
#23
Vinyl Acetate
Concen: 0.736 ppbv
RT: 5.26 min Scan# 722
Delta R.T. 0.10 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 43 Resp: 113464

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.6	9.8#
42	21.6	8.3	12.5#
44	91.2	4.2	6.4#

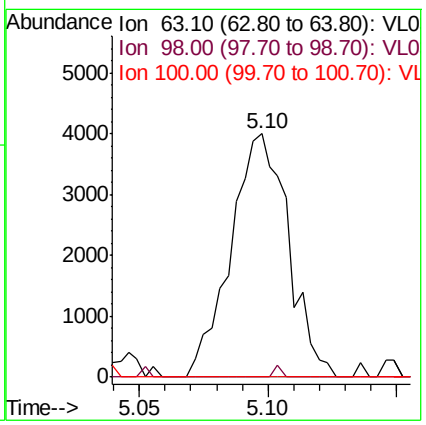


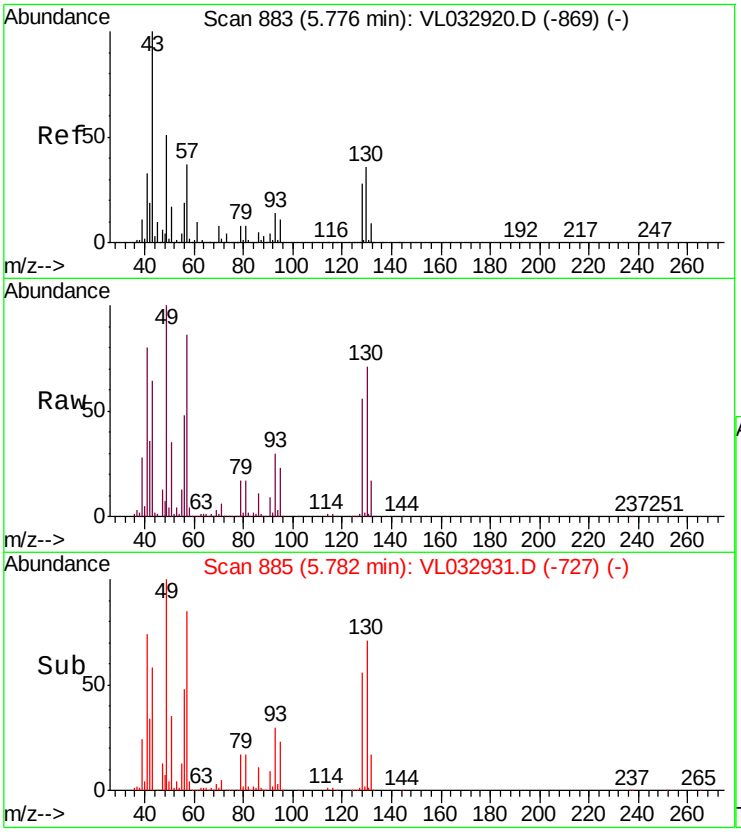


#24
1,1-Dichloroethane
Concen: 0.046 ppbv
RT: 5.10 min Scan# 672
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 63 Resp: 6231

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.5	7.5#
100	0.0	1.4	4.2#



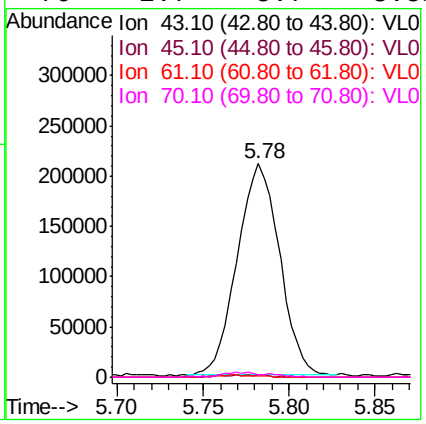


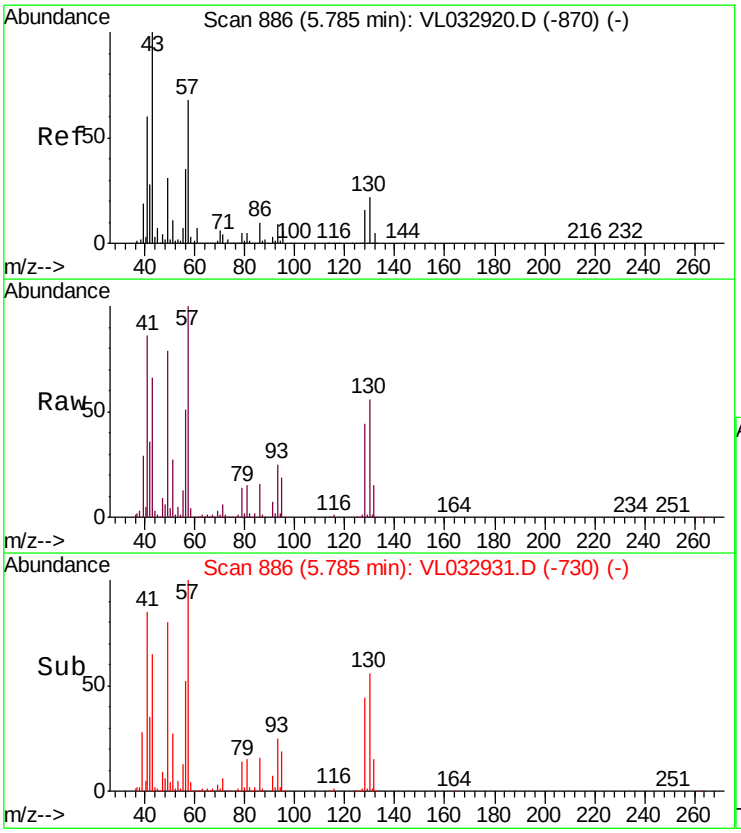
#25
Ethyl Acetate
Concen: 1.672 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 43 Resp: 359853

Ion	Ratio	Lower	Upper
43	100		
45	1.5	7.8	11.6#
61	1.1	7.4	11.2#
70	2.7	5.7	8.5#

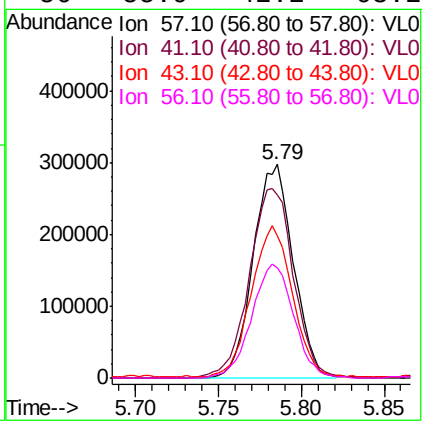


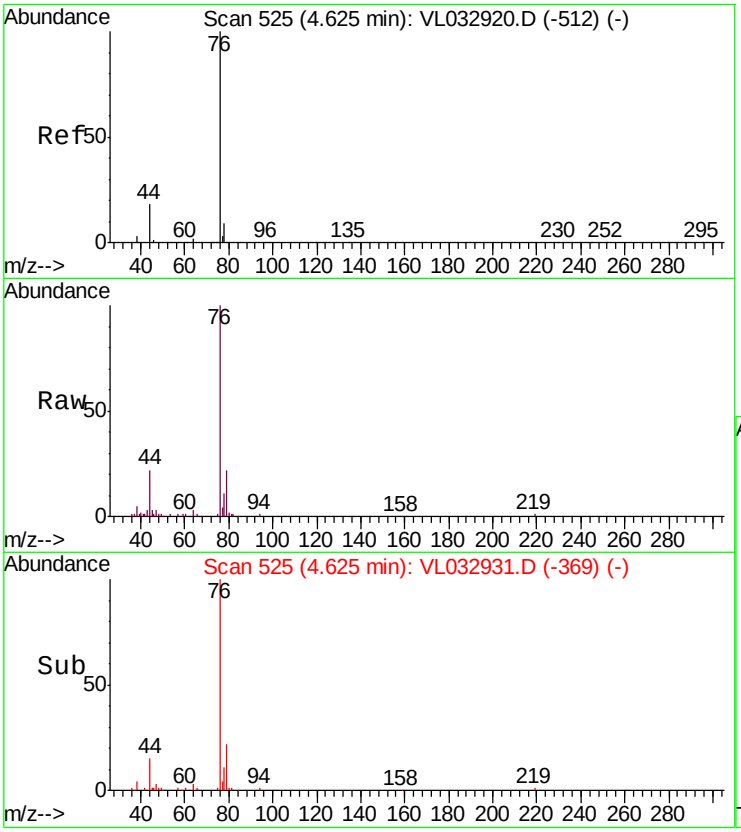


#26
Hexane
Concen: 5.037 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 57 Resp: 500355

Ion	Ratio	Lower	Upper
57	100		
41	97.8	72.2	108.2
43	72.7	171.9	257.9#
56	55.9	42.2	63.2



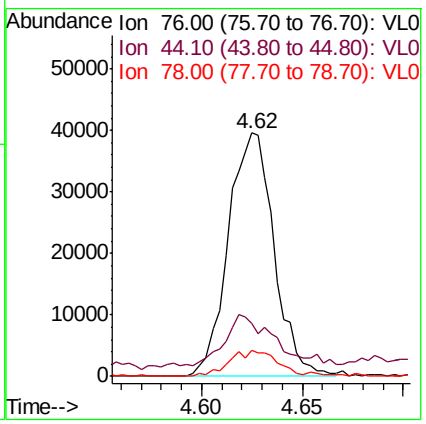


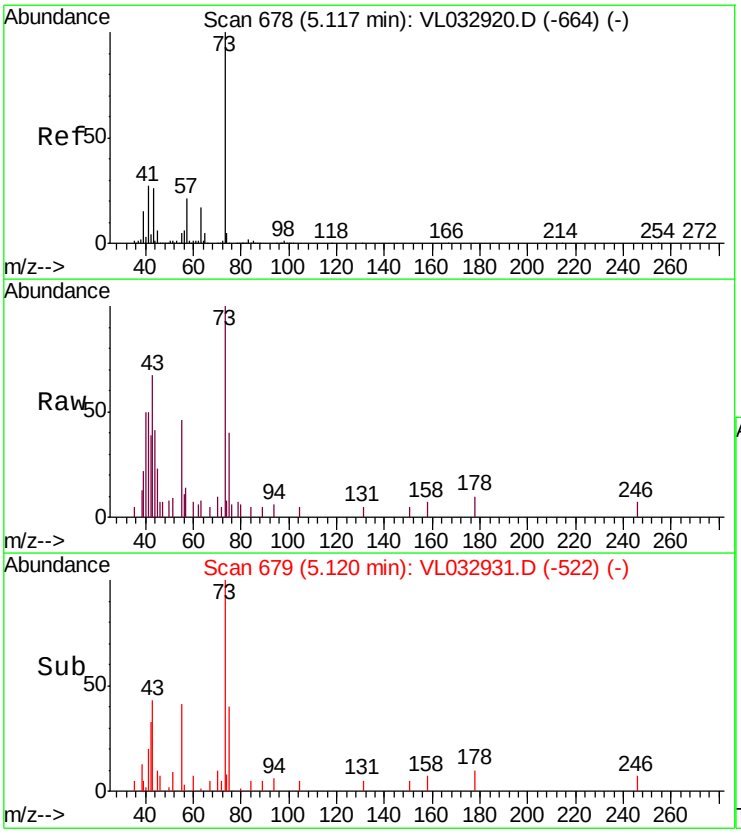
#27
Carbon Disulfide
Concen: 0.506 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 76 Resp: 62829

Ion	Ratio	Lower	Upper
76	100		
44	28.9	14.7	22.1#
78	12.1	7.4	11.2#

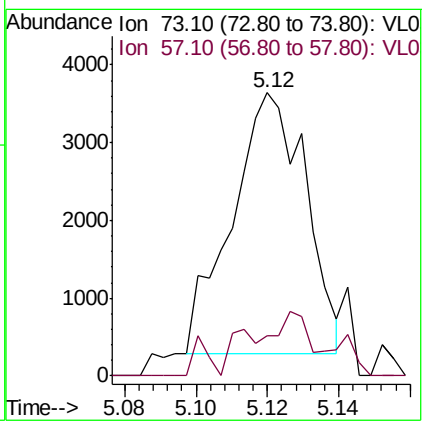


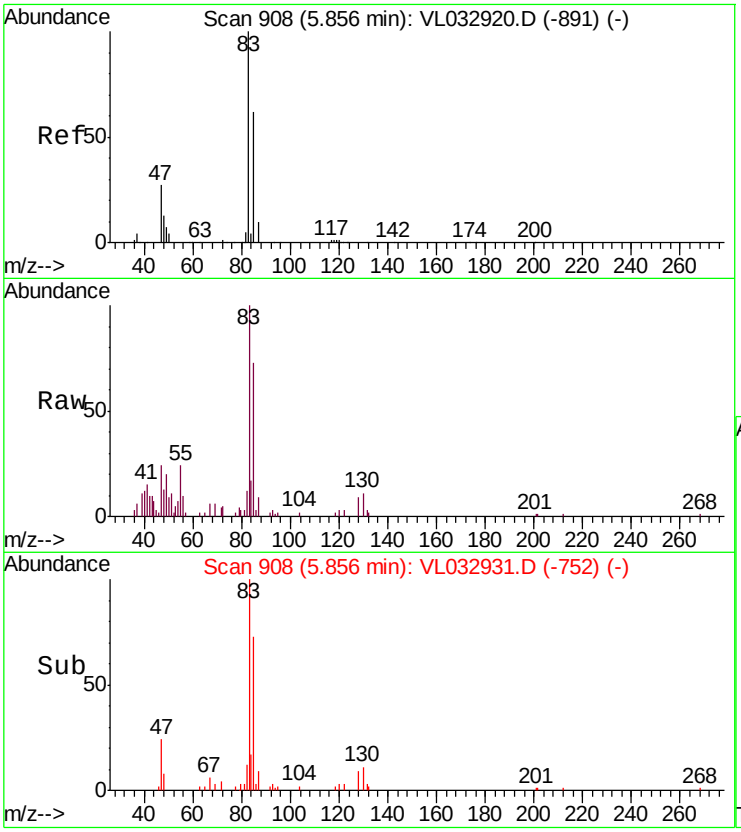


#28
Methyl tert-Butyl Ether
Concen: 0.032 ppbv
RT: 5.12 min Scan# 679
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 73 Resp: 4810

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.4	26.0#



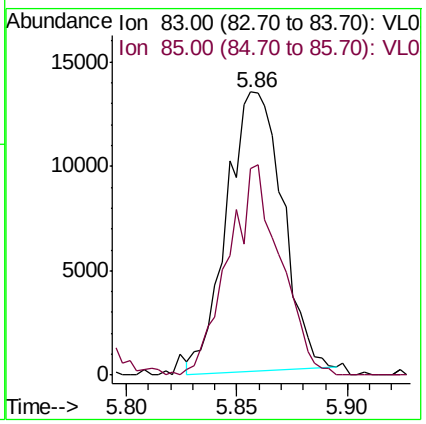


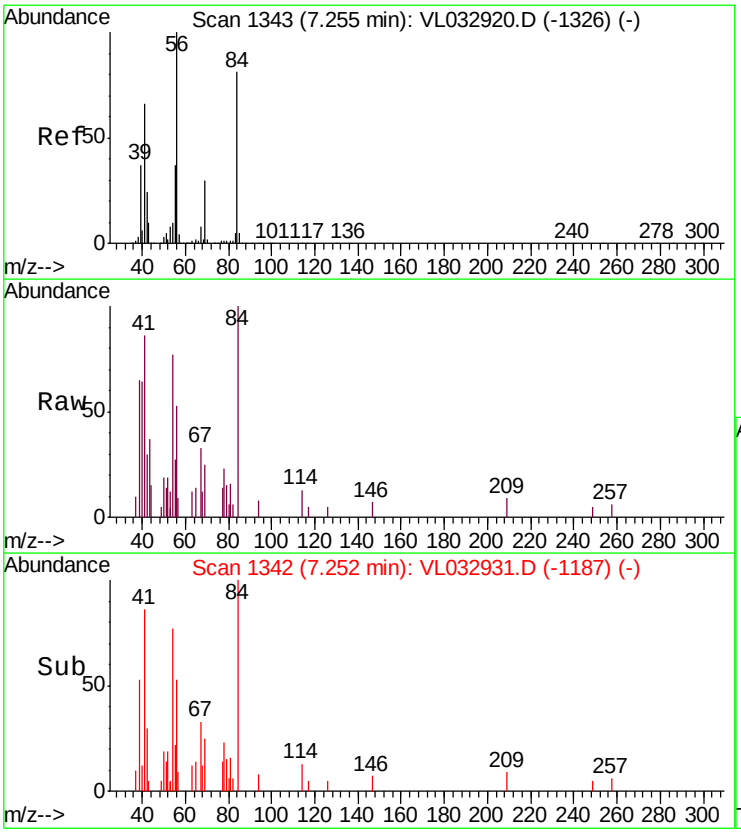
#29
Chloroform
Concen: 0.133 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 83 Resp: 23567

Ion	Ratio	Lower	Upper
83	100		
85	75.0	49.8	74.8#

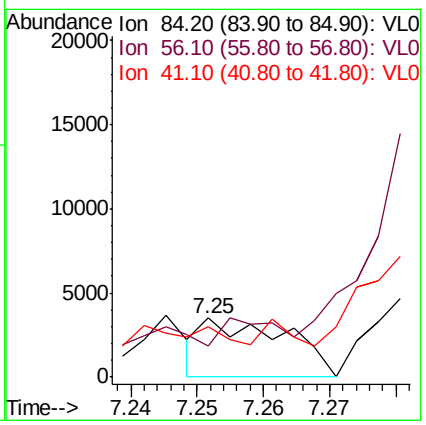


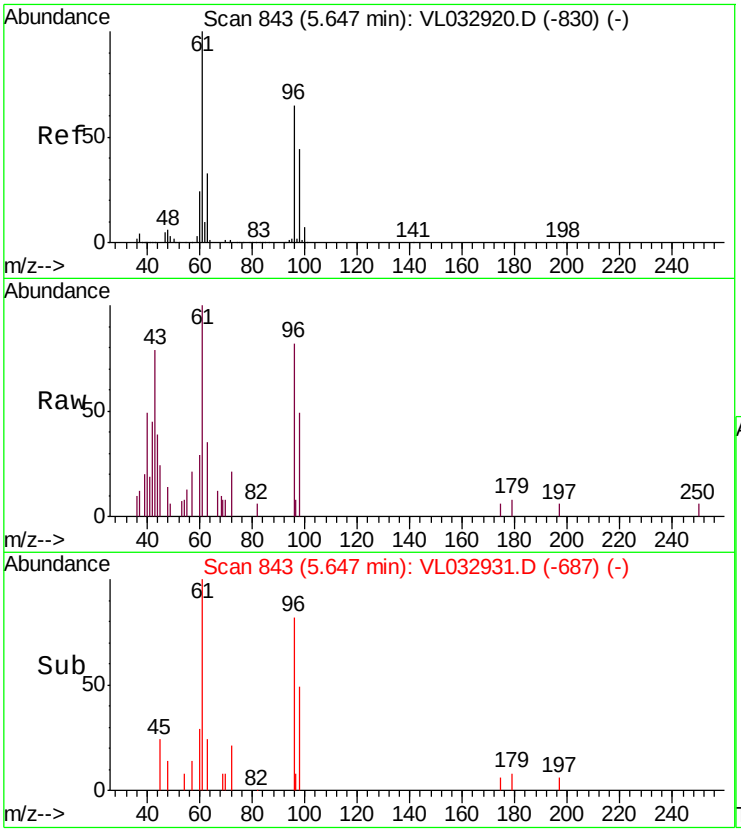


#30
Cyclohexane
Concen: 0.037 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 84 Resp: 3084

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.5	153.7#
41	0.0	64.1	96.1#



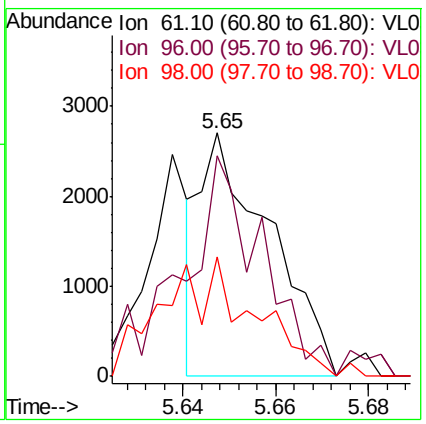


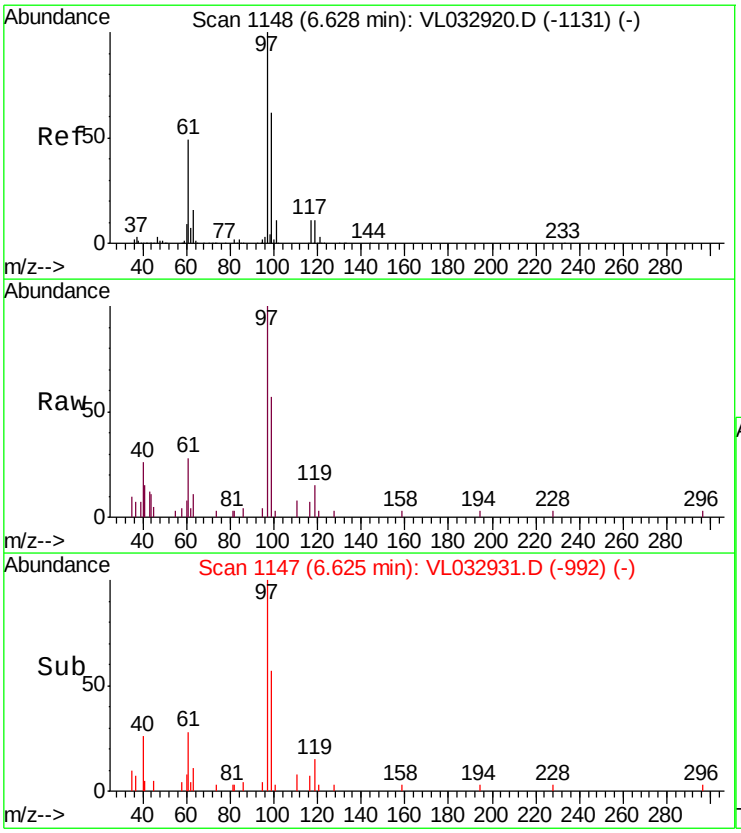
#31
cis-1,2-Dichloroethene
Concen: 0.031 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 61 Resp: 2812

Ion	Ratio	Lower	Upper
61	100		
96	90.5	51.9	77.9#
98	49.3	35.0	52.4

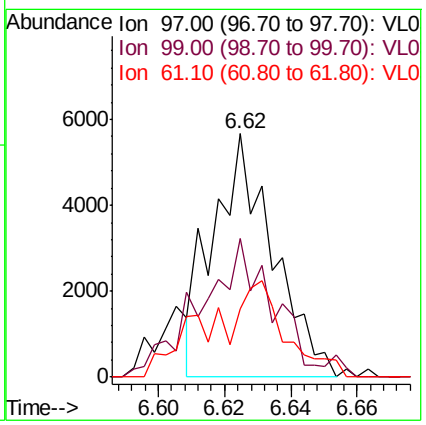


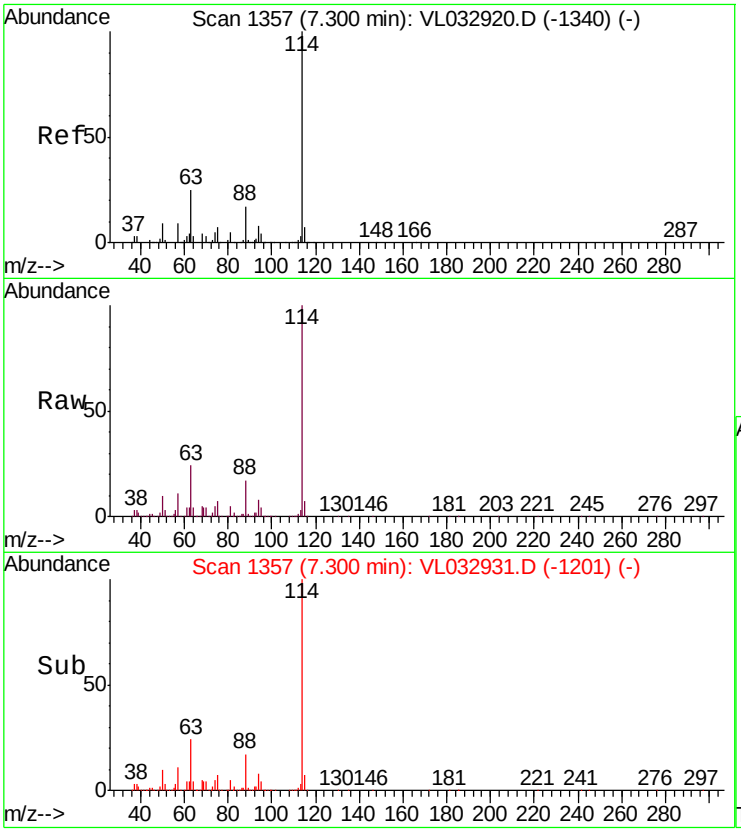


#32
1,1,1-Trichloroethane
Concen: 0.038 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 97 Resp: 7114

Ion	Ratio	Lower	Upper
97	100		
99	70.2	51.1	76.7
61	50.6	39.3	58.9



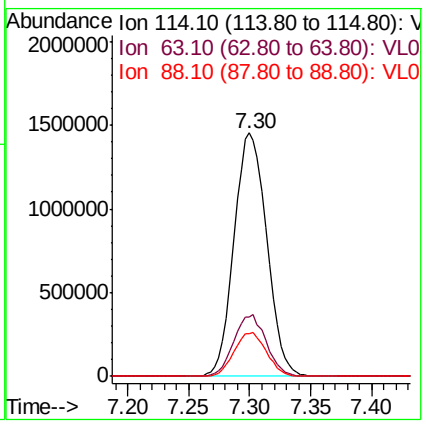


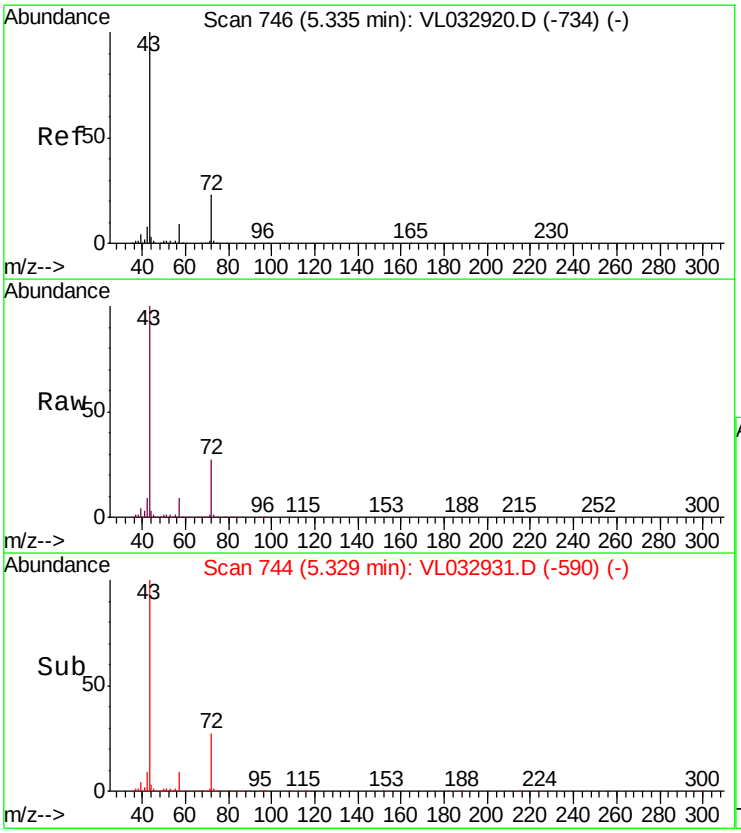
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion:114 Resp: 2691054

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.1	30.1
88	17.8	14.2	21.4

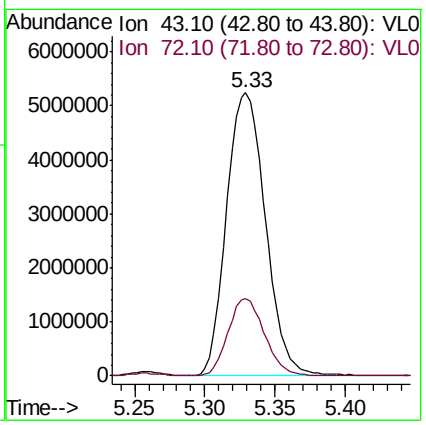


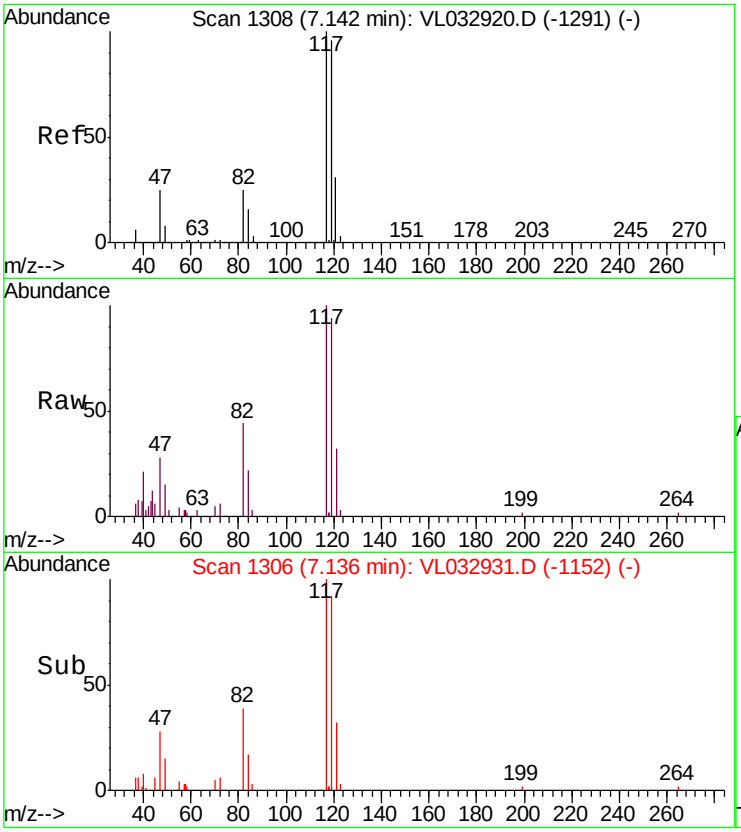


#34
2-Butanone
Concen: 86.380 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 43 Resp:10125214

Ion	Ratio	Lower	Upper
43	100		
72	25.7	18.8	28.2



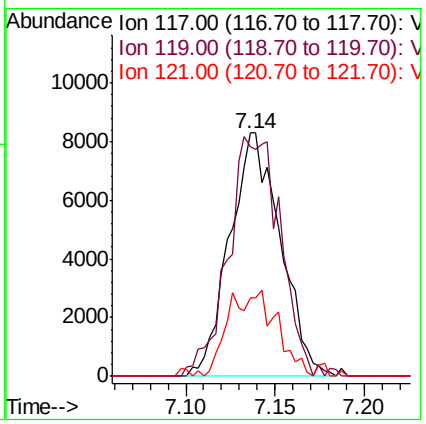


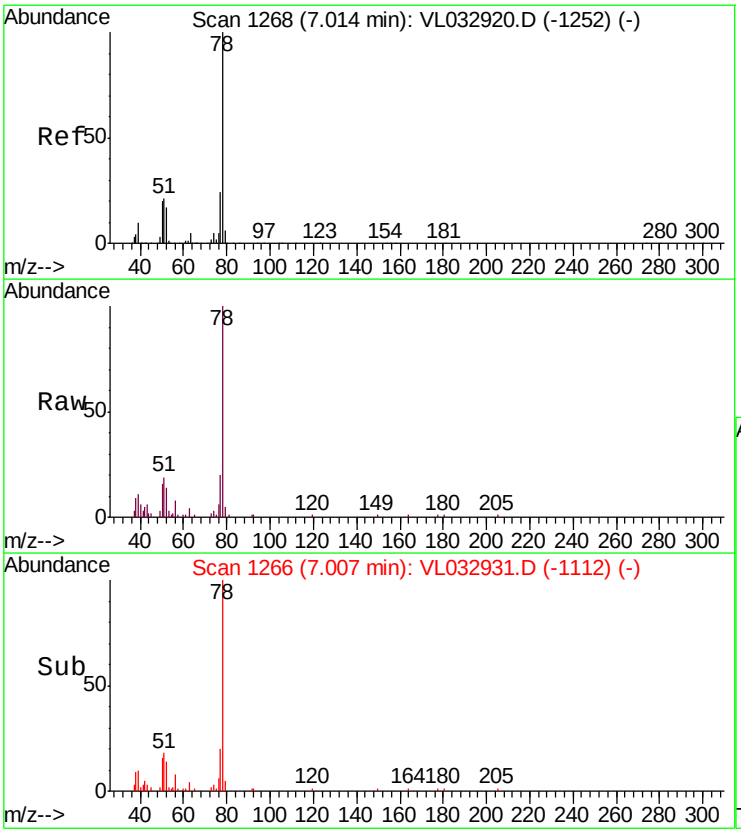
#35
Carbon Tetrachloride
Concen: 0.078 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion:117 Resp: 16462

Ion	Ratio	Lower	Upper
117	100		
119	89.6	76.5	114.7
121	31.5	24.5	36.7

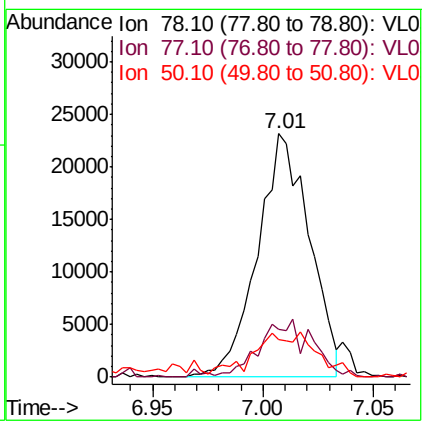


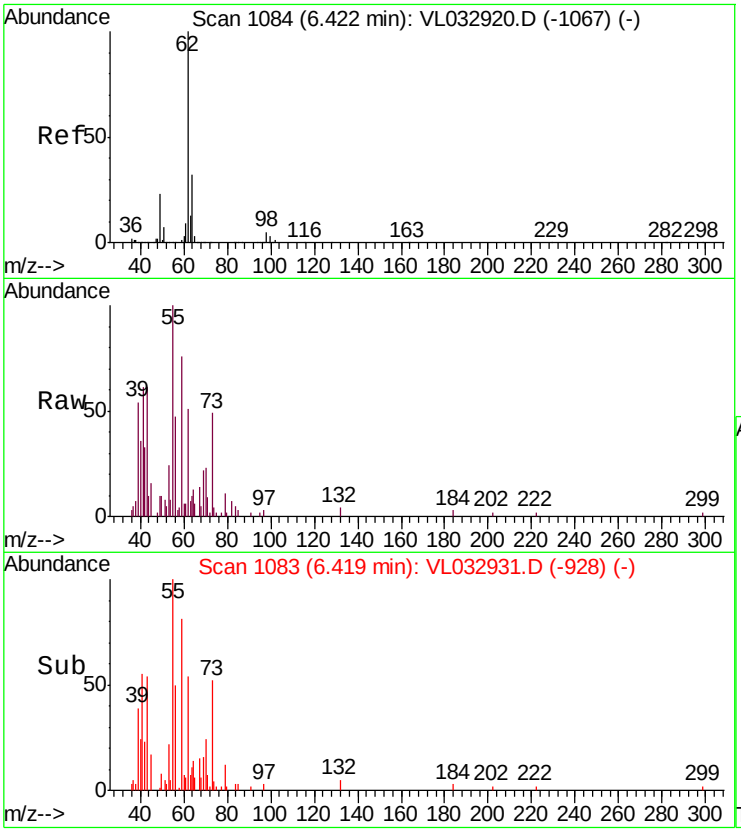


#36
Benzene
Concen: 0.191 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 78 Resp: 37810

Ion	Ratio	Lower	Upper
78	100		
77	19.8	18.9	28.3
50	13.8	16.1	24.1#



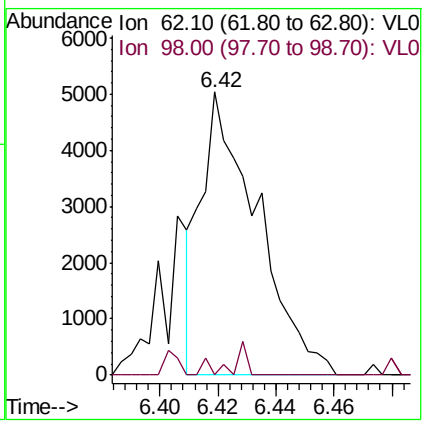


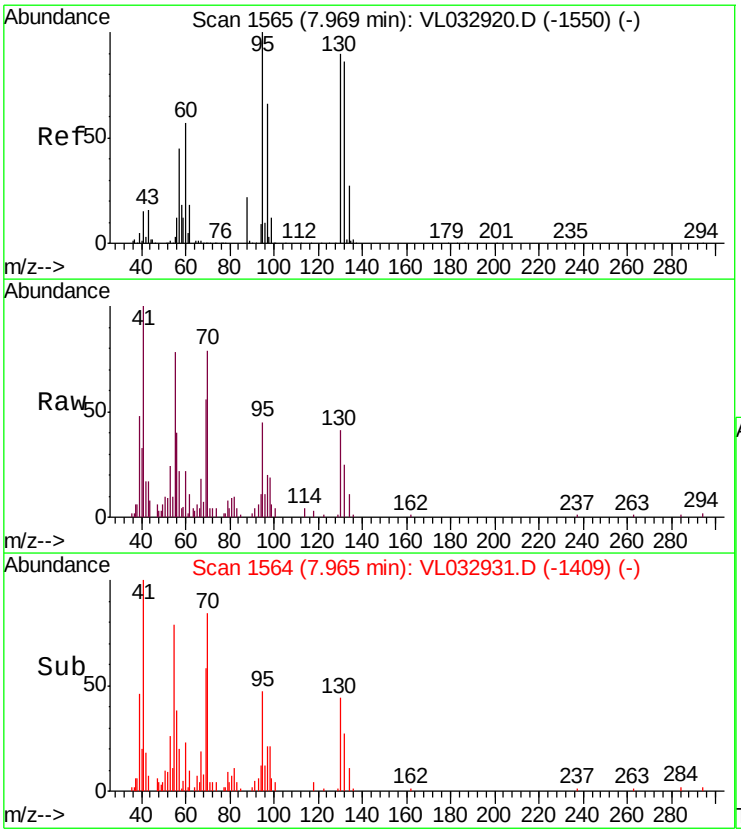
#37
1,2-Dichloroethane
Concen: 0.050 ppbv
RT: 6.42 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 62 Resp: 6743

Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.3	6.5

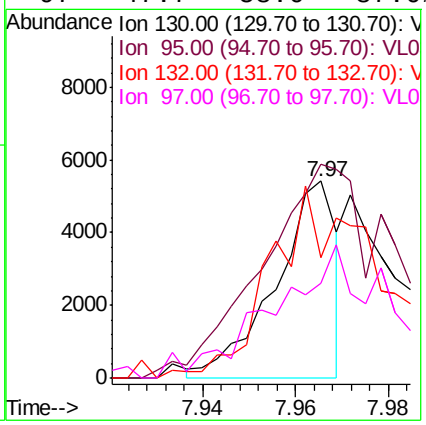


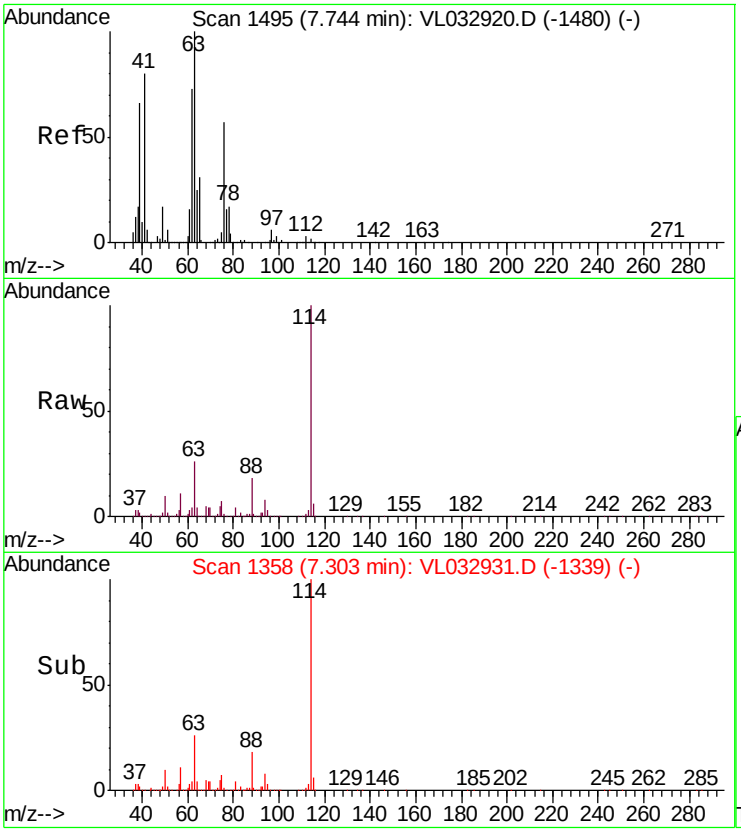


#38
Trichloroethene
Concen: 0.059 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion:130 Resp: 4876

Ion	Ratio	Lower	Upper
130	100		
95	107.5	88.6	132.8
132	61.3	76.1	114.1#
97	47.7	58.0	87.0#



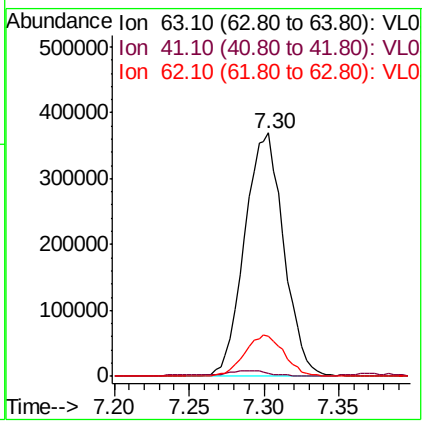


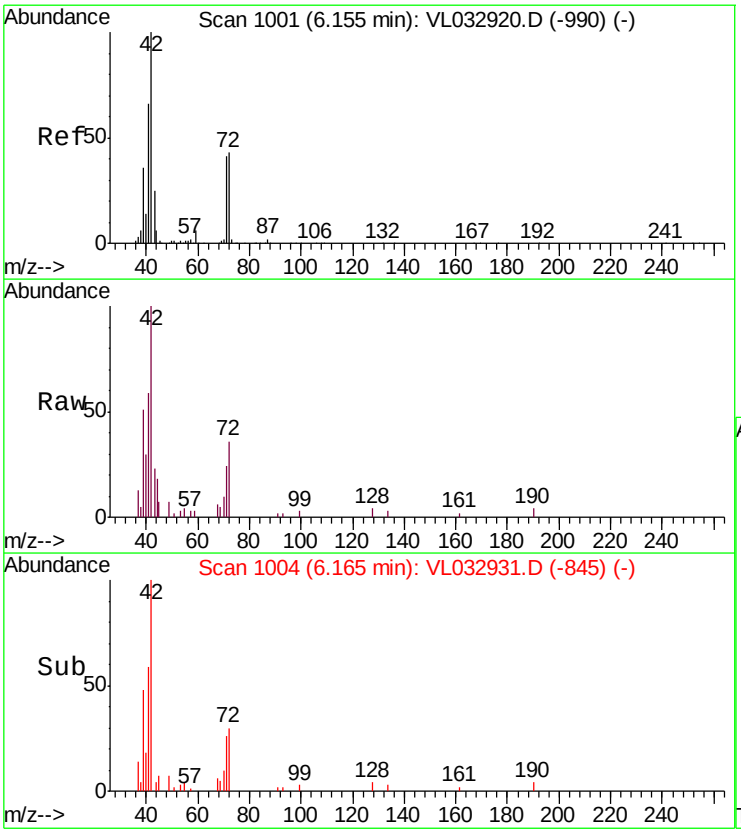
#39
1,2-Dichloropropane
Concen: 8.968 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.44 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 63 Resp: 673193

Ion	Ratio	Lower	Upper
63	100		
41	0.8	63.9	95.9#
62	16.7	58.8	88.2#

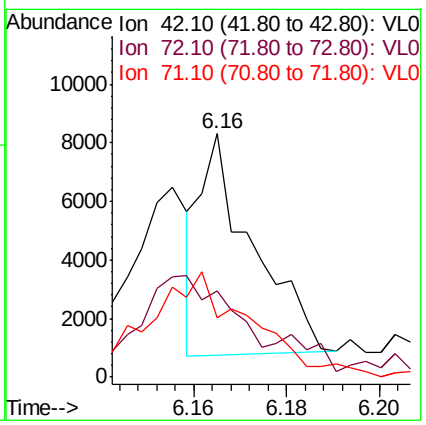


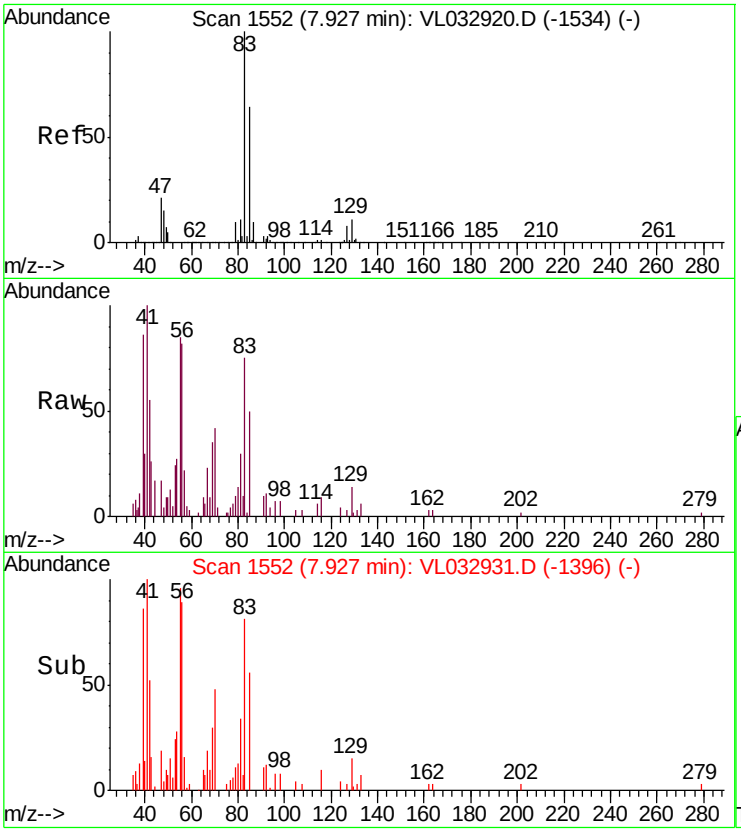


#41
Tetrahydrofuran
Concen: 0.082 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 42 Resp: 5944

Ion	Ratio	Lower	Upper
42	100		
72	127.0	32.9	49.3#
71	98.5	32.0	48.0#



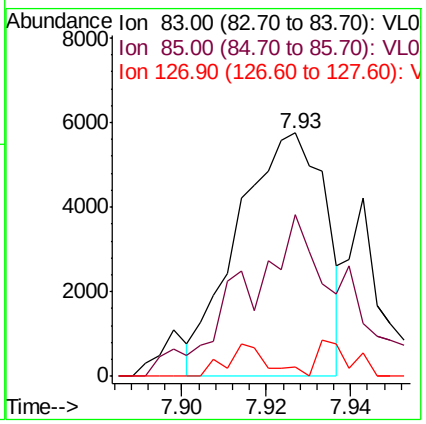


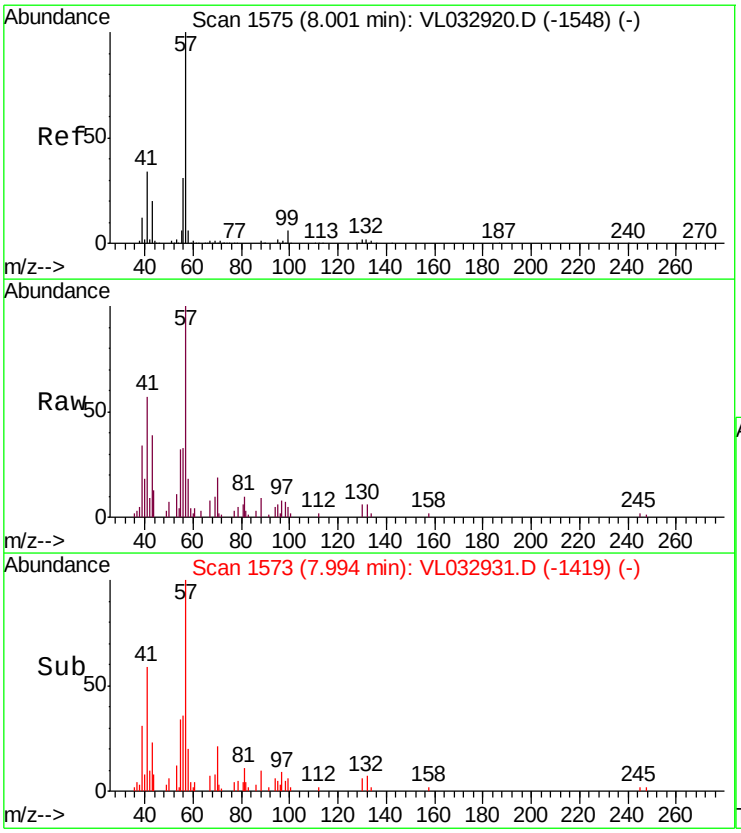
#42
Bromodichloromethane
Concen: 0.044 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 83 Resp: 8284

Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.9	76.3
127	4.2	6.7	10.1#

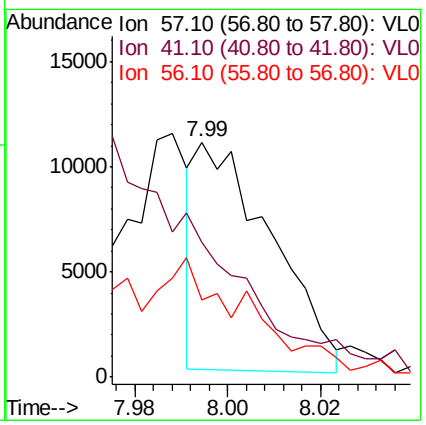


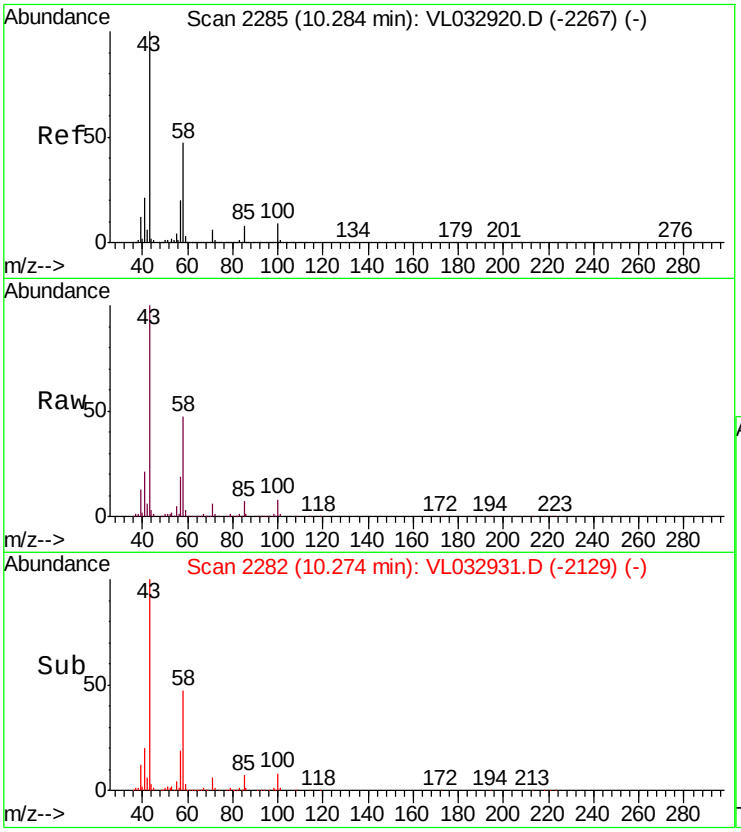


#44
2,2,4-Trimethylpentane
Concen: 0.036 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 57 Resp: 12212

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.0	40.4#
56	67.4	24.6	37.0#



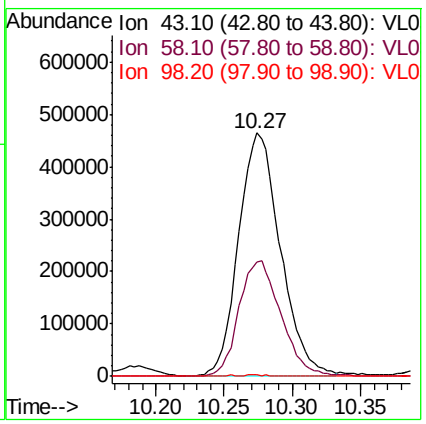


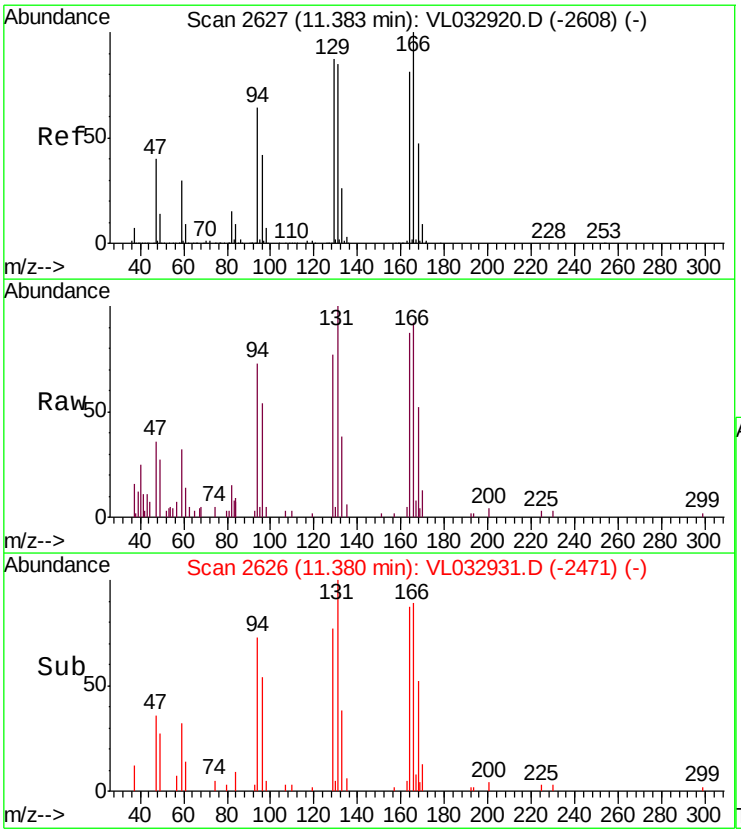
#51
2-Hexanone
Concen: 7.773 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 43 Resp: 988153

Ion	Ratio	Lower	Upper
43	100		
58	48.0	38.1	57.1
98	0.8	0.4	0.6#

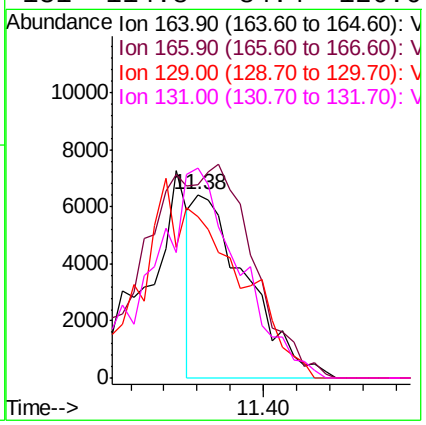


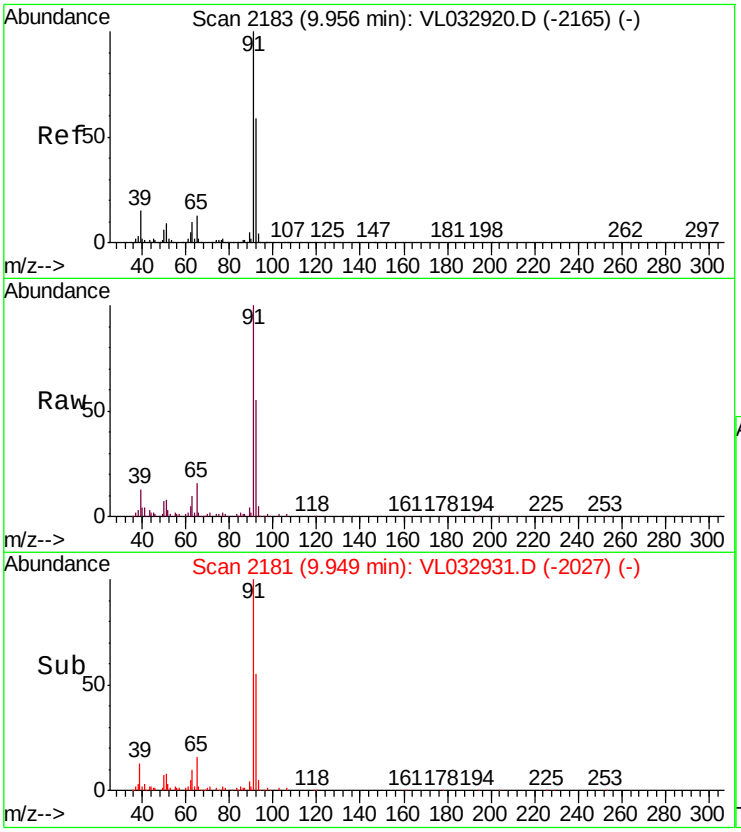


#52
Tetrachloroethene
Concen: 0.100 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion:164 Resp: 7200

Ion	Ratio	Lower	Upper
164	100		
166	105.7	98.8	148.2
129	93.8	85.5	128.3
131	114.8	84.4	126.6



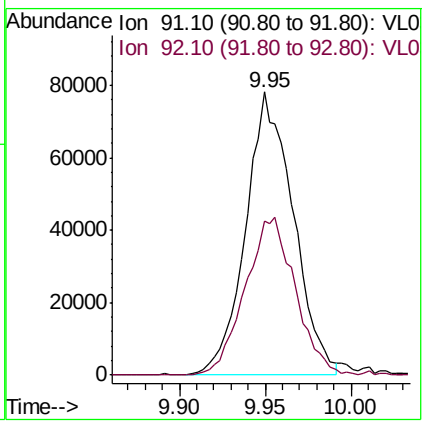


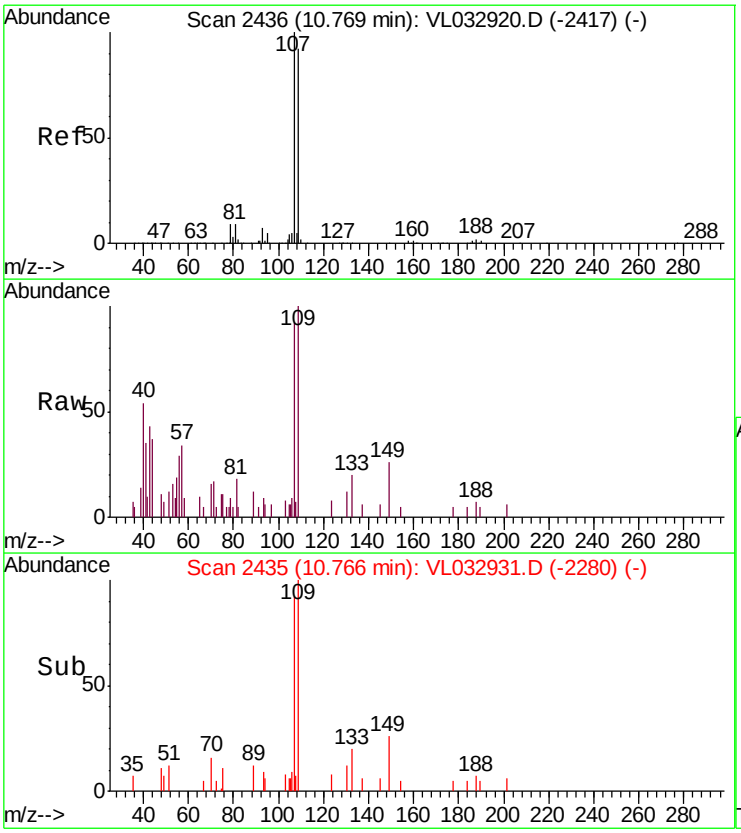
#53
Toluene
Concen: 0.714 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion: 91 Resp: 149848

Ion	Ratio	Lower	Upper
91	100		
92	58.7	47.4	71.0

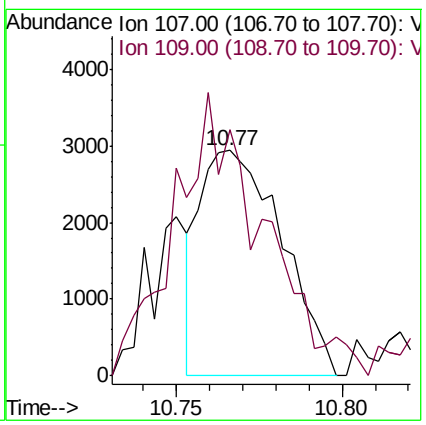


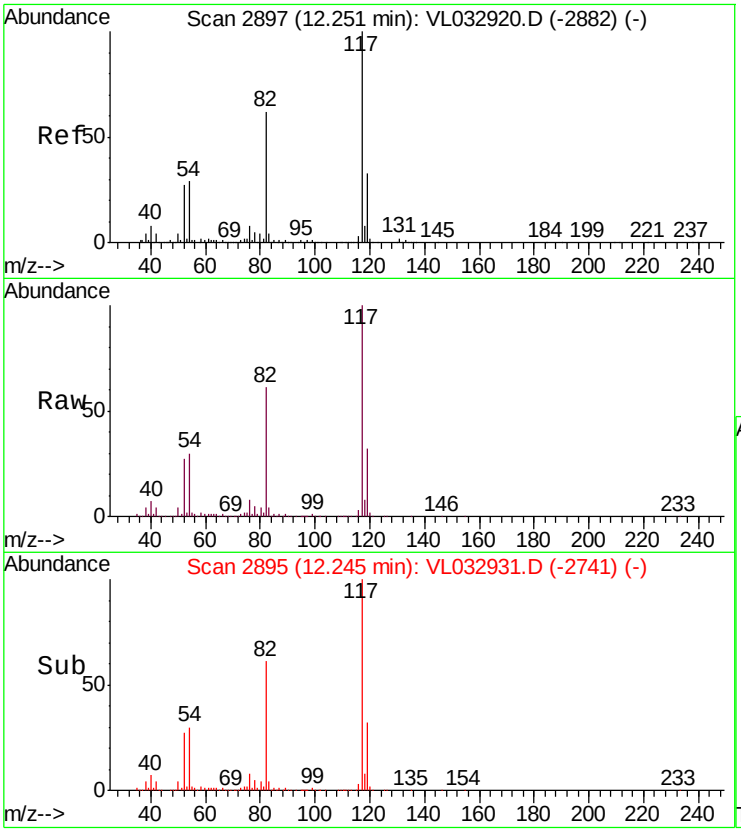


#54
1,2-Dibromoethane
Concen: 0.039 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion:107 Resp: 5037

Ion	Ratio	Lower	Upper
107	100		
109	85.4	73.4	110.2



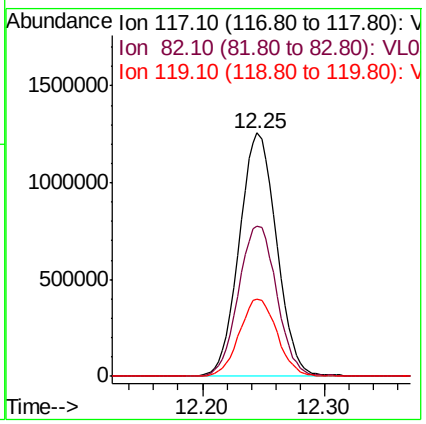


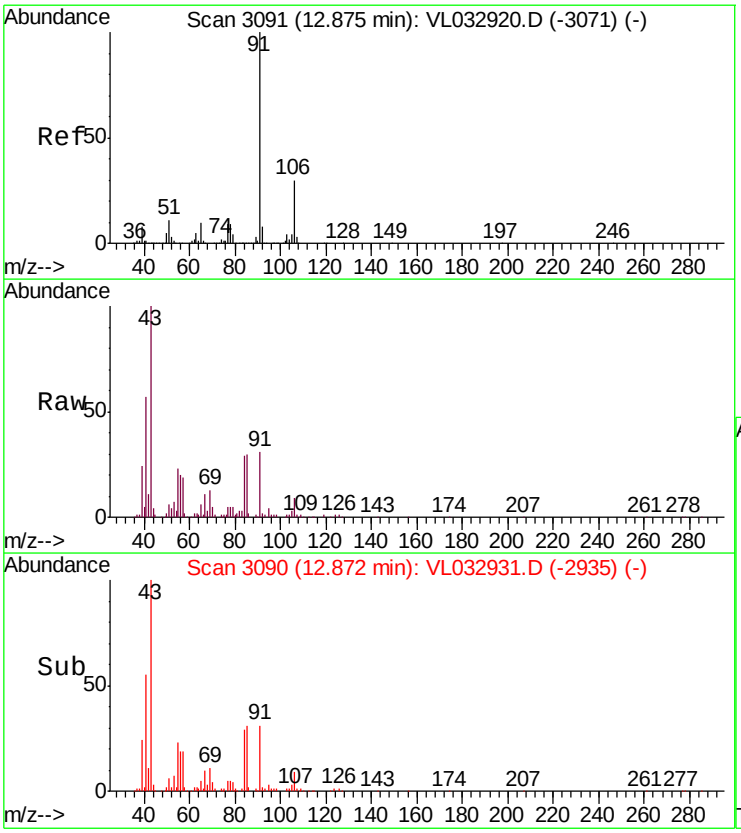
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion:117 Resp: 2652258

Ion	Ratio	Lower	Upper
117	100		
82	63.9	47.8	71.8
119	32.3	43.1	64.7#

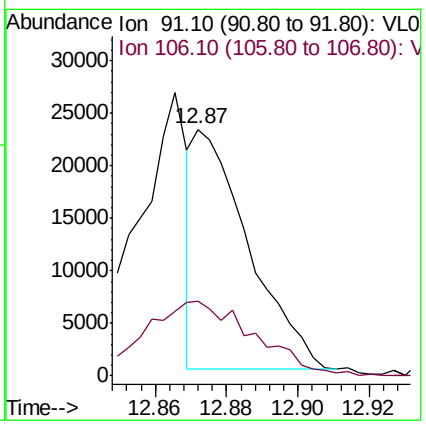


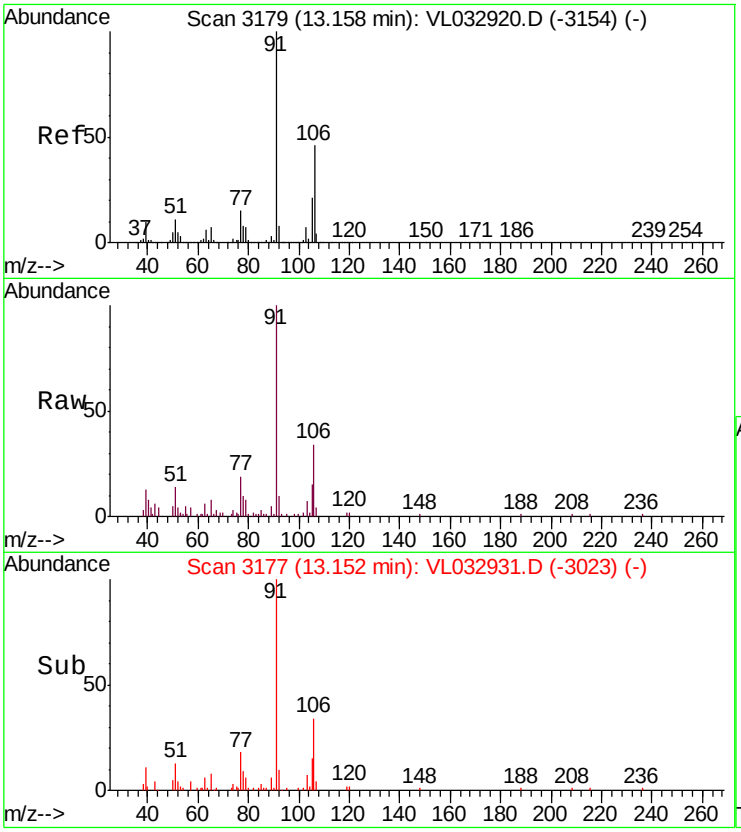


#58
Ethyl Benzene
Concen: 0.086 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 91 Resp: 24274

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.9	35.9



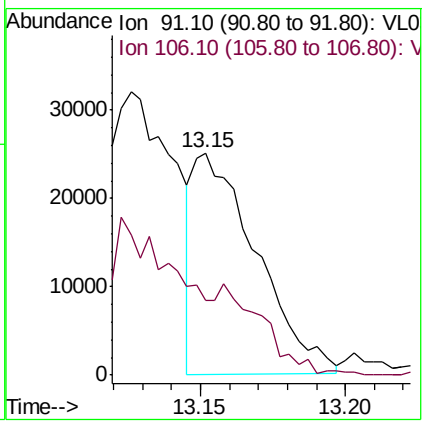


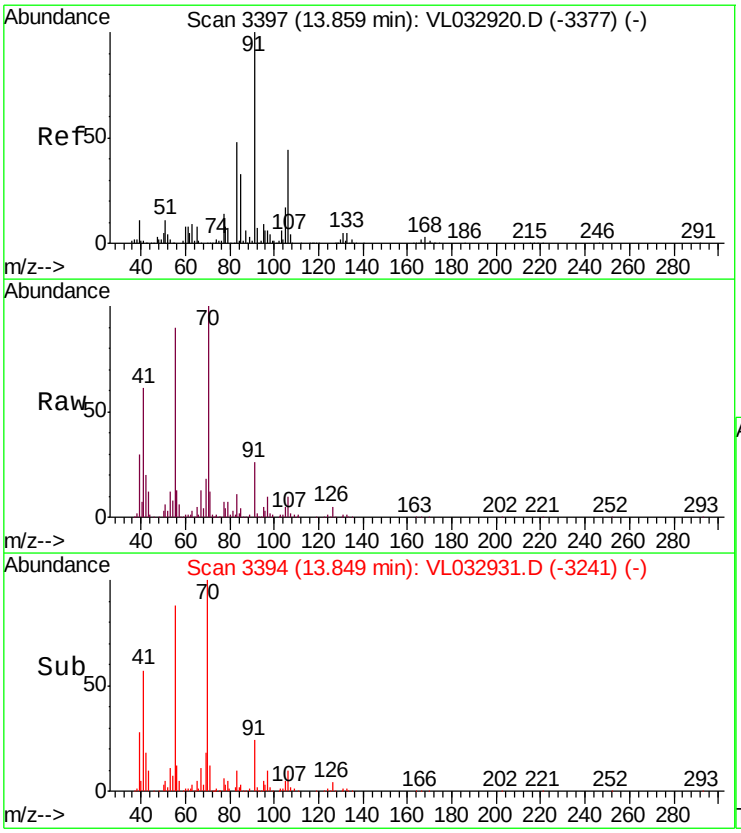
#59
m/p-Xylene
Concen: 0.147 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion: 91 Resp: 37653

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

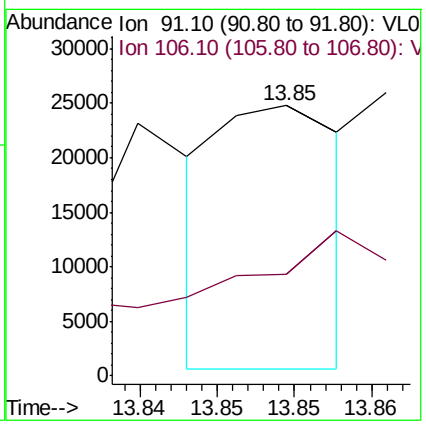


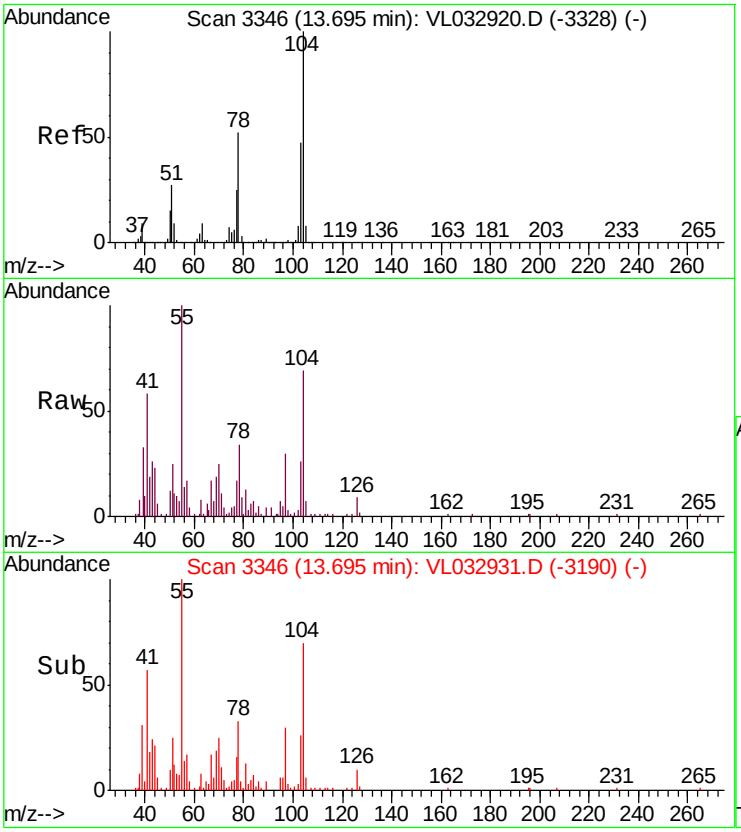


#60
o-Xylene
Concen: 0.052 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 91 Resp: 13342

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.8#



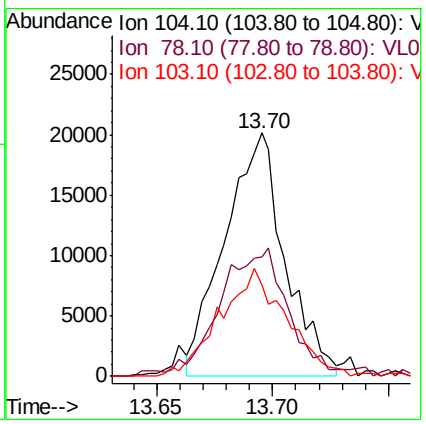


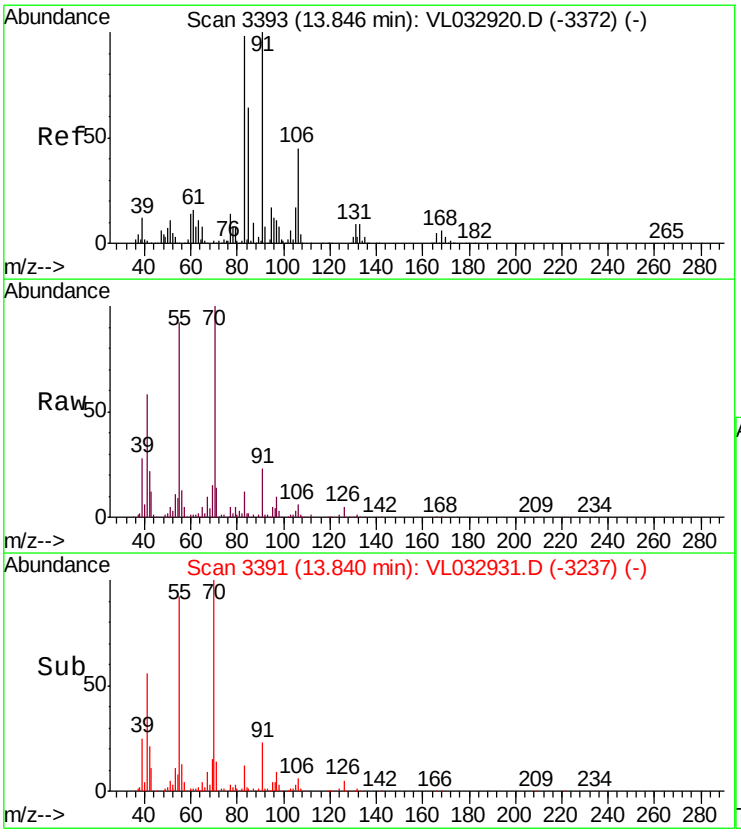
#61
Styrene
Concen: 0.212 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion:104 Resp: 36521

Ion	Ratio	Lower	Upper
104	100		
78	63.4	42.0	63.0#
103	48.9	38.3	57.5

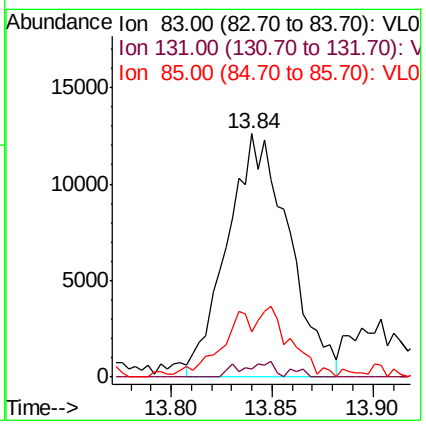


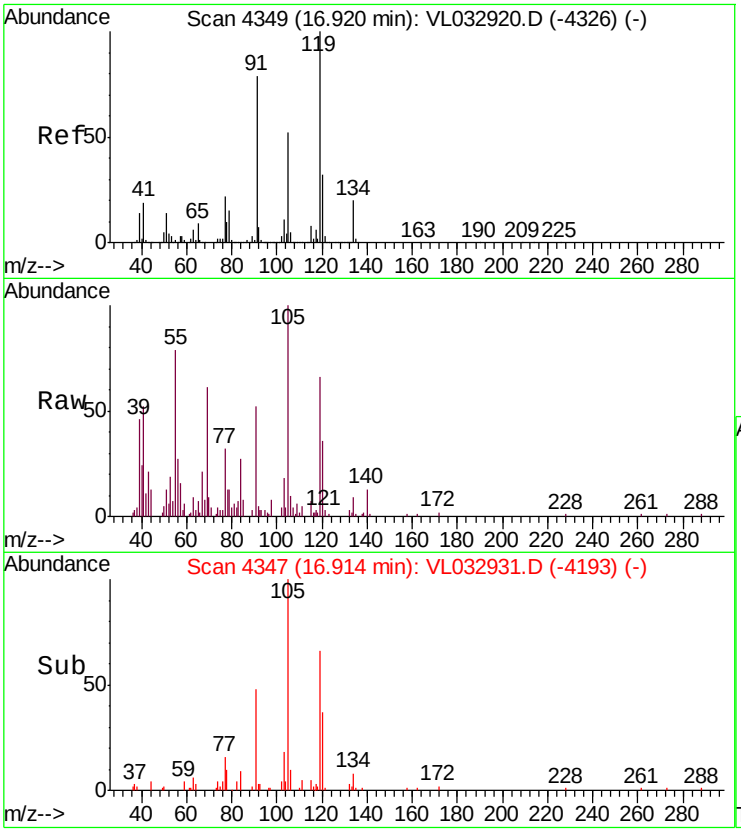


#63
1,1,2,2-Tetrachloroethane
Concen: 0.134 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 83 Resp: 26957

Ion	Ratio	Lower	Upper
83	100		
131	4.1	4.9	14.6#
85	31.4	32.9	98.6#



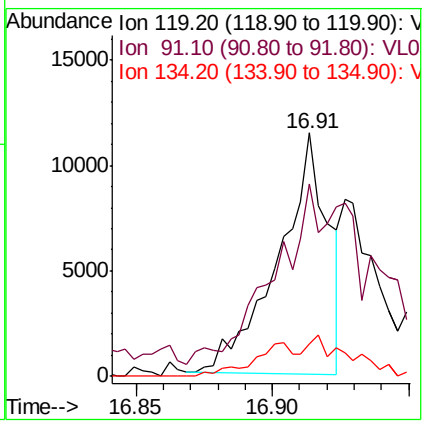


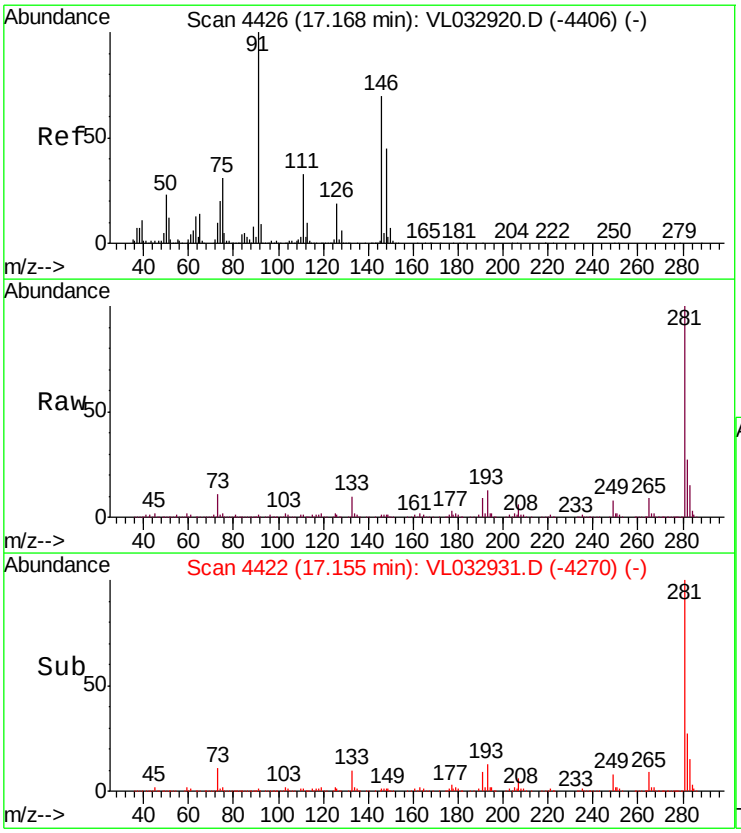
#65
tert-Butylbenzene
Concen: 0.043 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion:119 Resp: 14406

Ion	Ratio	Lower	Upper
119	100		
91	139.5	64.5	96.7#
134	28.6	15.7	23.5#

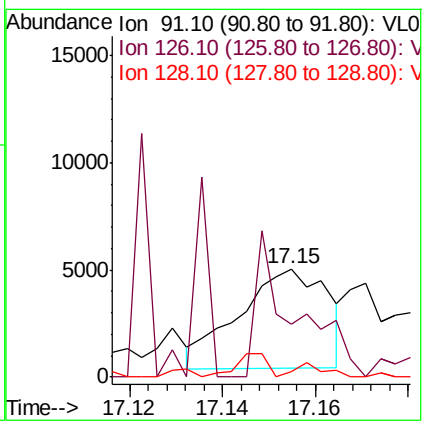


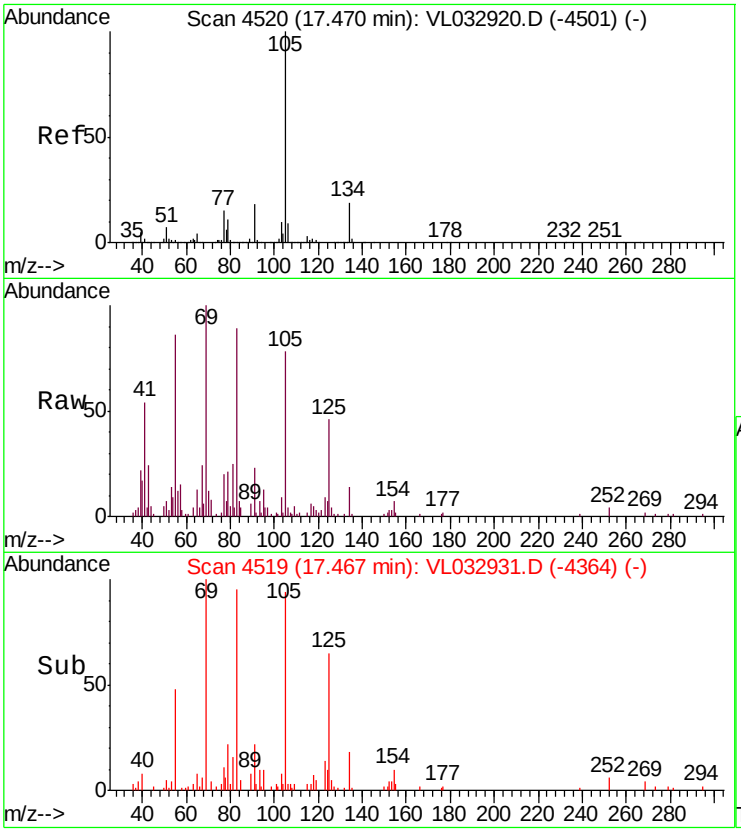


#66
Benzyl Chloride
Concen: 0.033 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 91 Resp: 6126

Ion	Ratio	Lower	Upper
91	100		
126	77.0	14.1	21.1#
128	16.9	4.5	6.7#



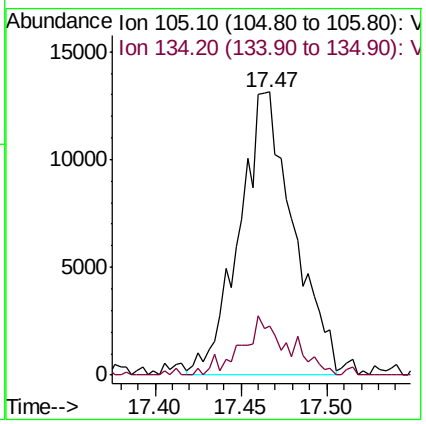


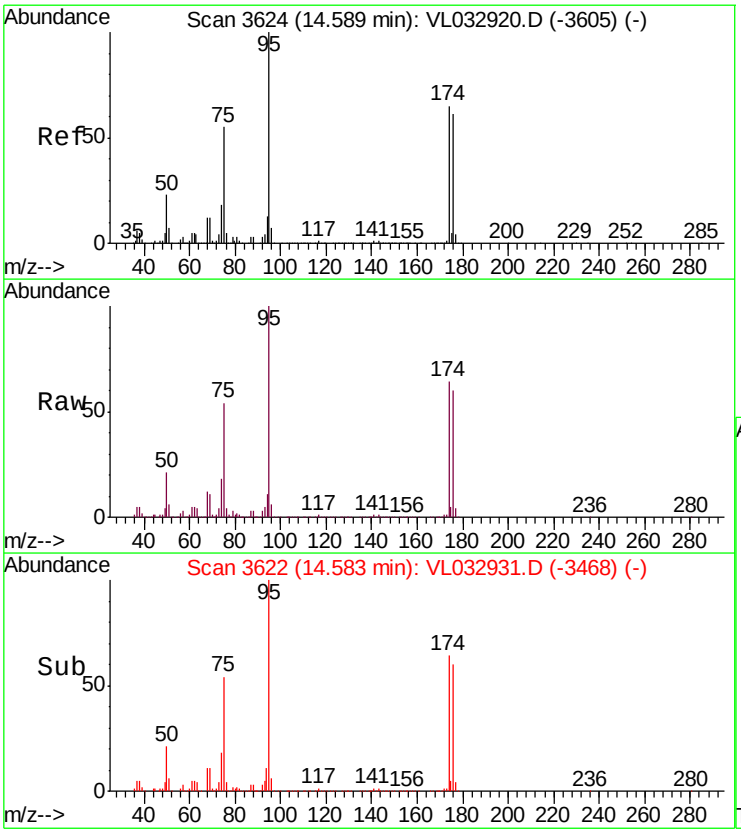
#67
sec-Butylbenzene
Concen: 0.058 ppbv
RT: 17.47 min Scan# 4519
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion:105 Resp: 28814

Ion	Ratio	Lower	Upper
105	100		
134	18.5	14.6	21.8

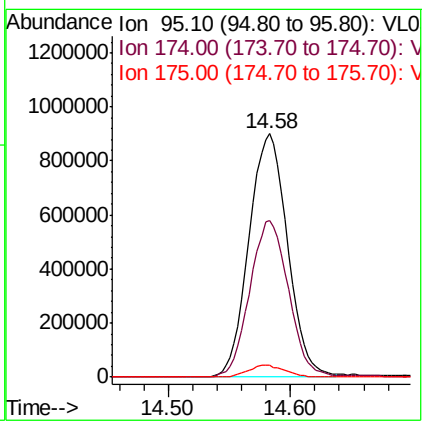


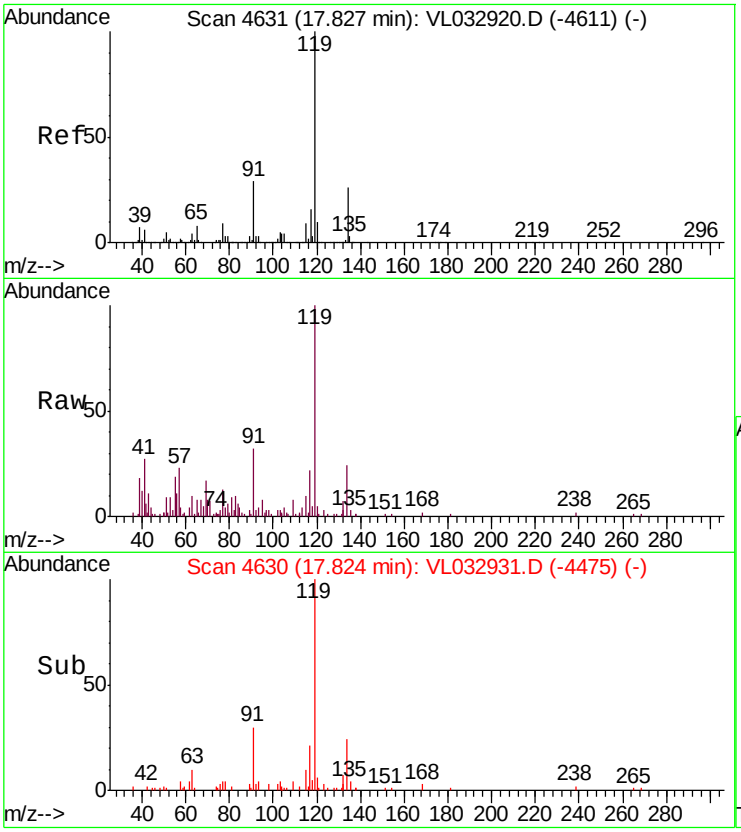


#68
1-Bromo-4-Fluorobenzene
Concen: 10.069 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 95 Resp: 1972956

Ion	Ratio	Lower	Upper
95	100		
174	65.7	51.4	77.0
175	4.8	3.8	5.6



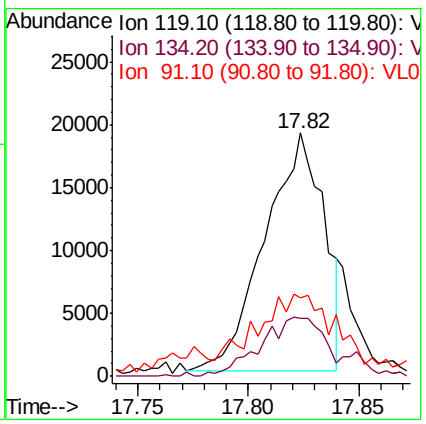


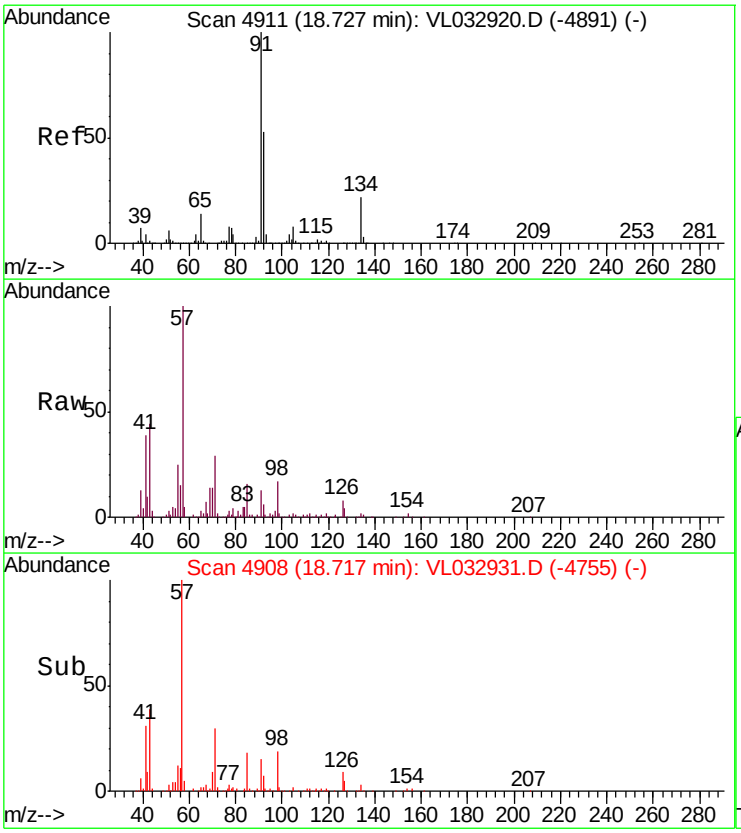
#69
p-Isopropyltoluene
Concen: 0.088 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion:119 Resp: 35137

Ion	Ratio	Lower	Upper
119	100		
134	31.0	20.2	30.2#
91	62.1	22.9	34.3#

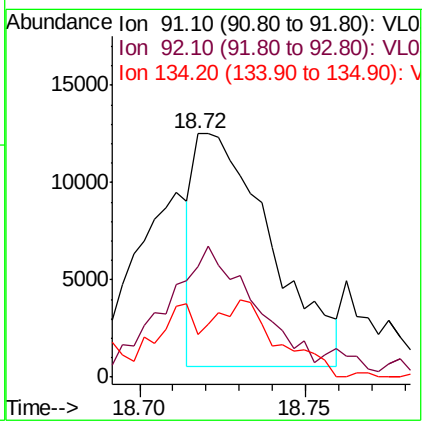


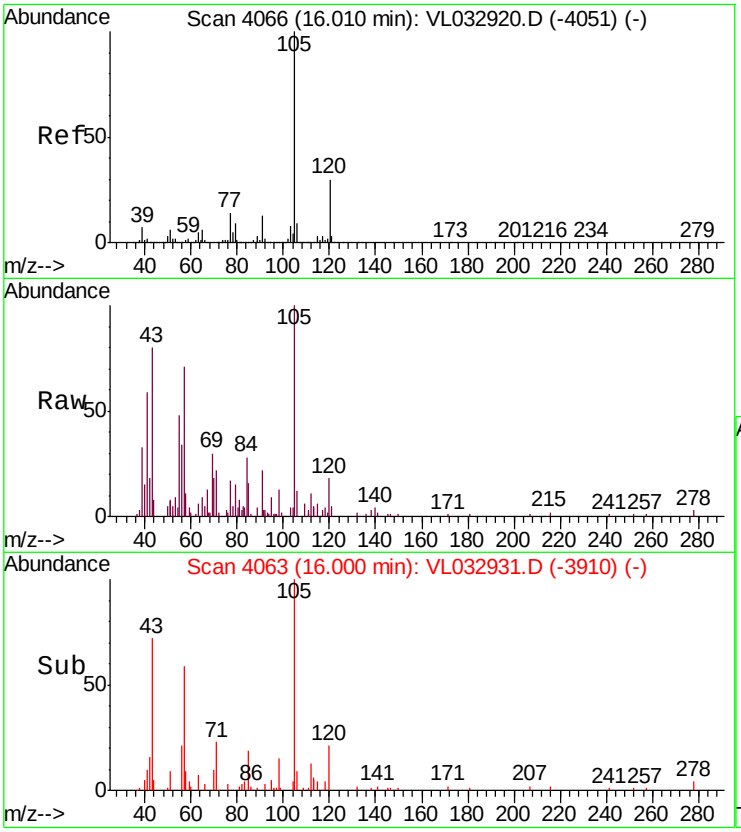


#70
n-Butylbenzene
Concen: 0.052 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion: 91 Resp: 19083

Ion	Ratio	Lower	Upper
91	100		
92	88.7	42.7	64.1#
134	52.5	18.0	27.0#



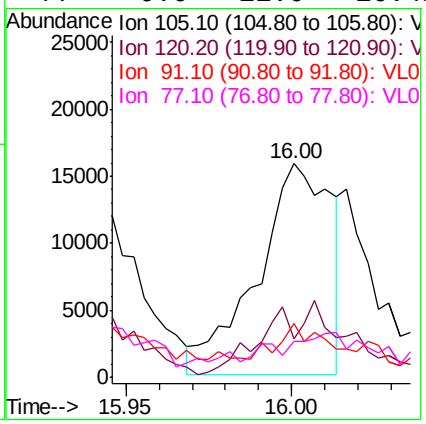


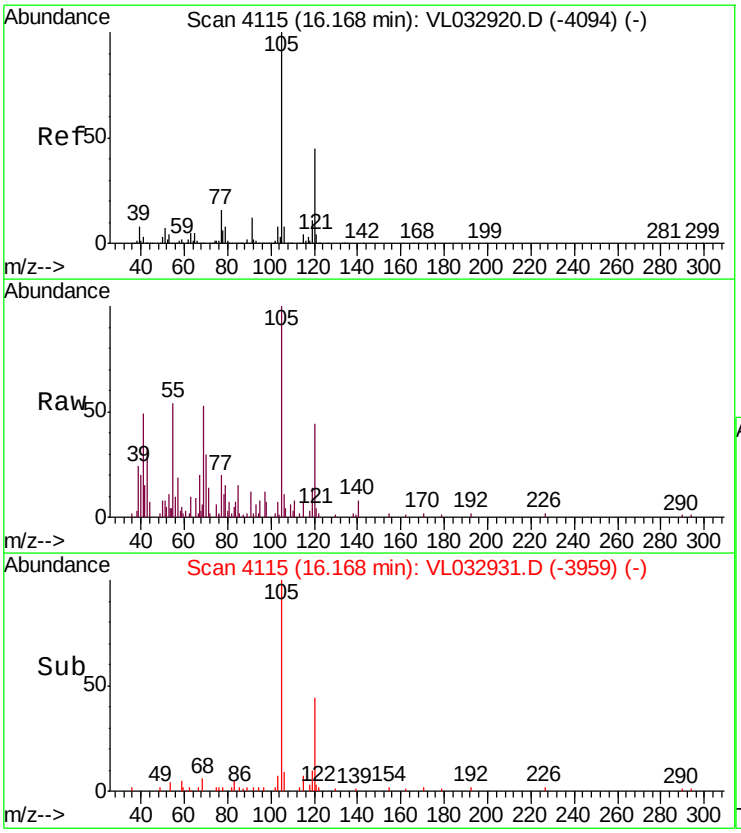
#72
4-Ethyltoluene
Concen: 0.084 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion:105 Resp: 24379

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.0	34.4#
91	22.1	10.4	15.6#
77	0.0	11.0	16.4#

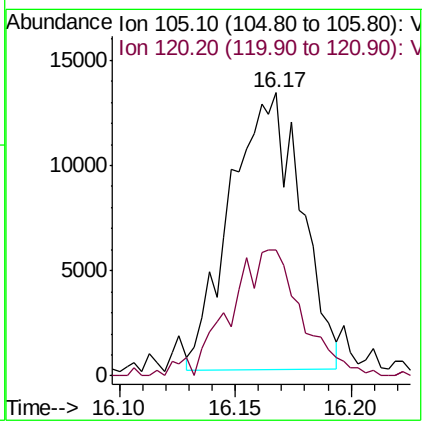


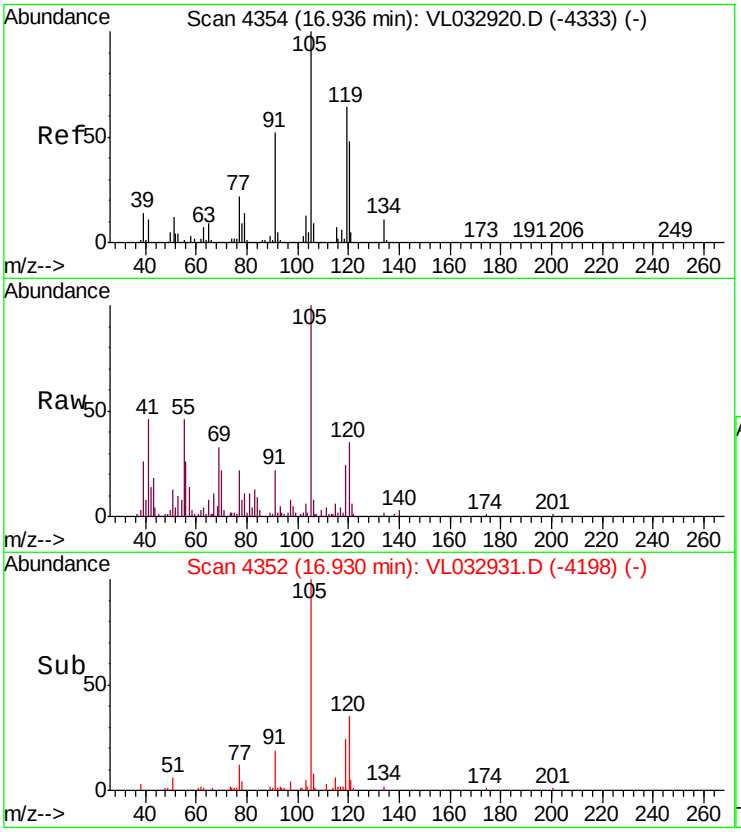


#73
1,3,5-Trimethylbenzene
Concen: 0.098 ppbv
RT: 16.17 min Scan# 4115
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion:105 Resp: 27775

Ion	Ratio	Lower	Upper
105	100		
120	44.5	36.0	54.0



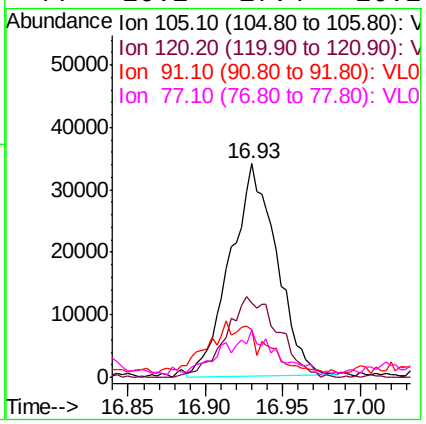


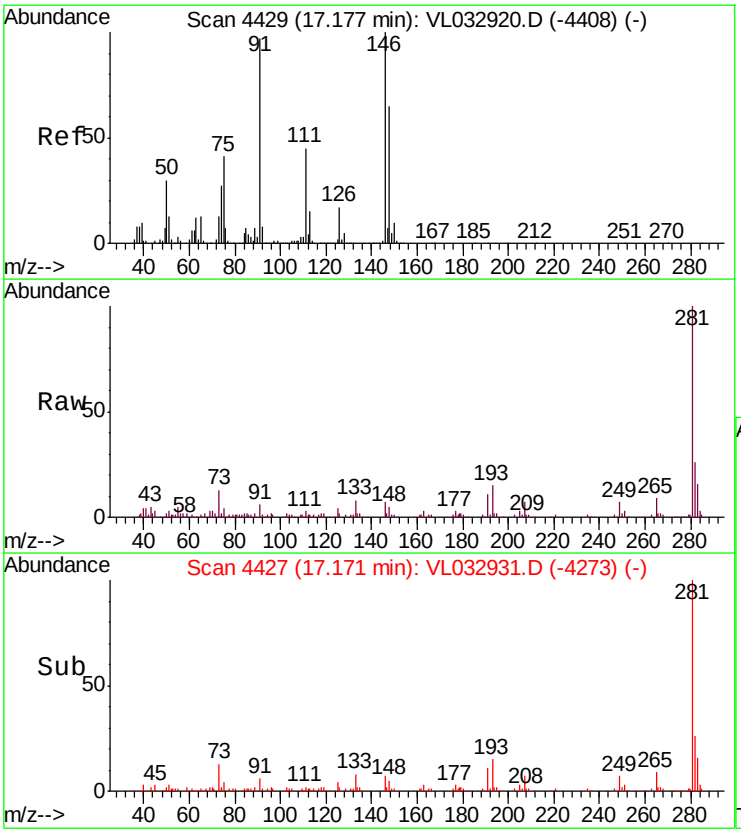
#74
1,2,4-Trimethylbenzene
Concen: 0.221 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument :
MSVOA_L
ClientSampleId :
MMSV-08

Tgt Ion:105 Resp: 70352

Ion	Ratio	Lower	Upper
105	100		
120	35.1	38.6	58.0#
91	20.1	41.7	62.5#
77	20.2	17.4	26.2

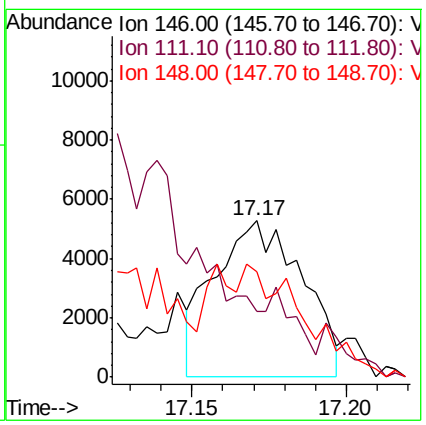


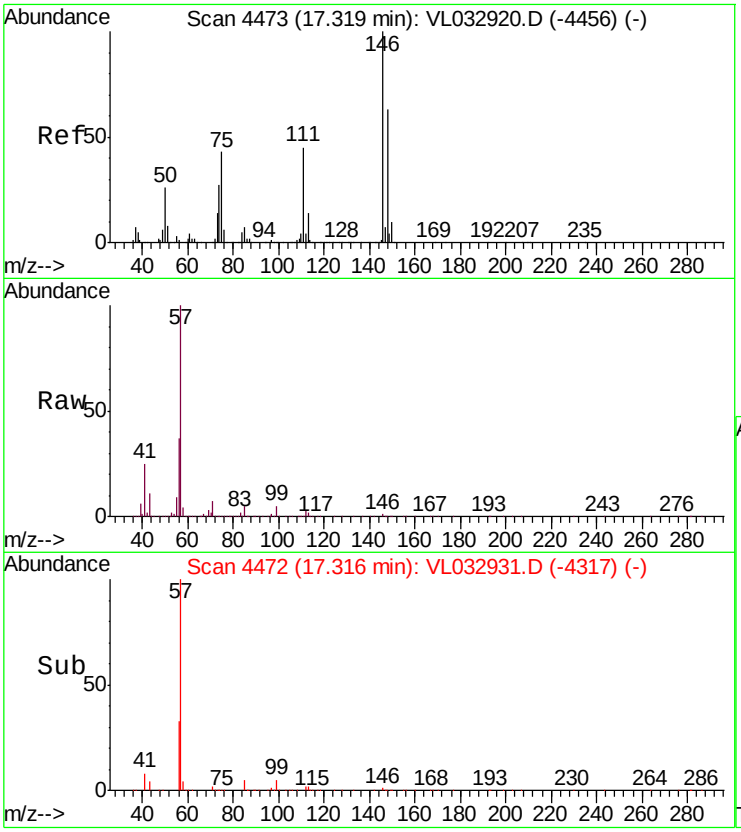


#75
1,3-Dichlorobenzene
Concen: 0.056 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion:146 Resp: 10464

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.6	70.8#
148	74.0	32.1	96.3



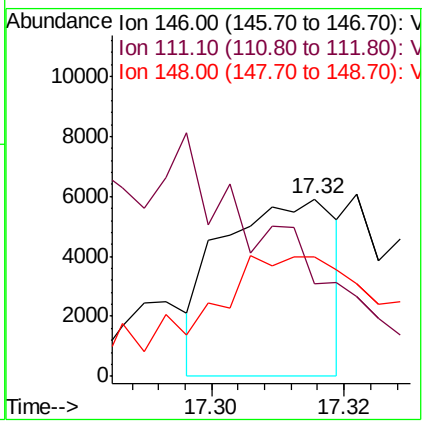


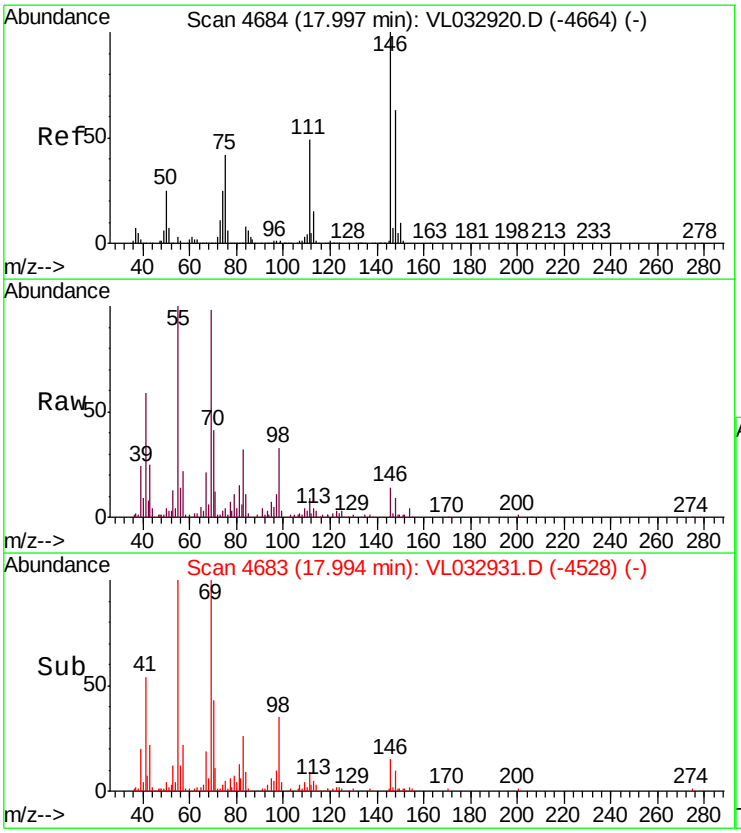
#76
1,4-Dichlorobenzene
Concen: 0.040 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion:146 Resp: 7052

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.8	68.4#
148	135.0	32.0	96.2#

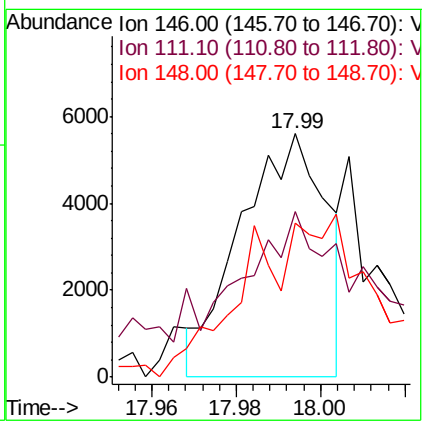


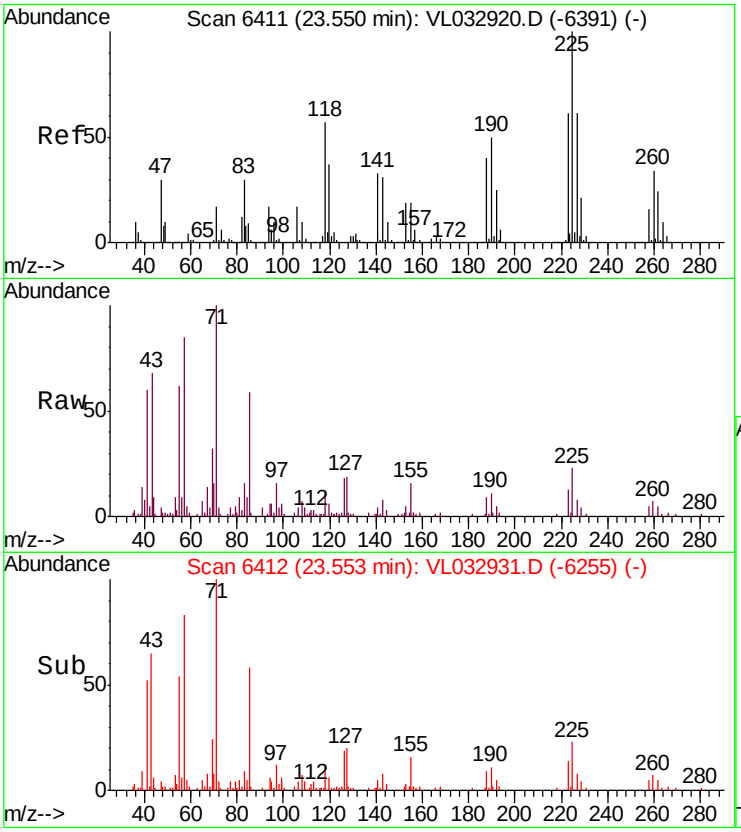


#77
1,2-Dichlorobenzene
Concen: 0.045 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion:146 Resp: 7889

Ion	Ratio	Lower	Upper
146	100		
111	147.5	24.3	72.9#
148	0.0	32.0	96.2#



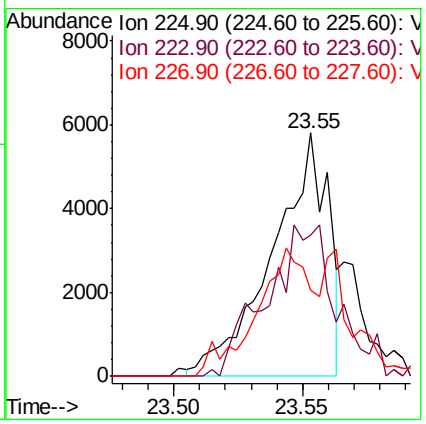


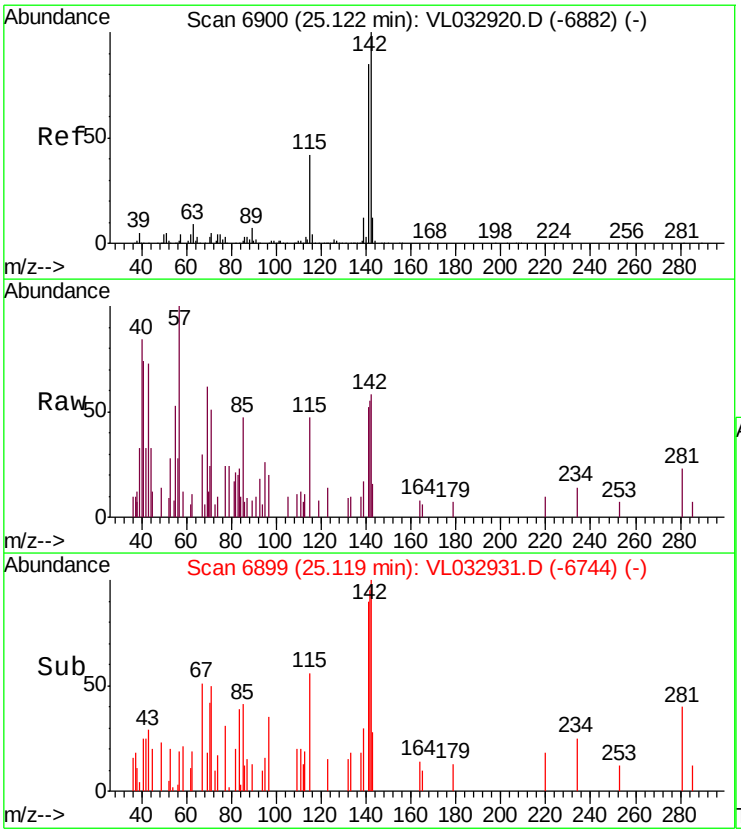
#78
Hexachloro-1,3-Butadiene
Concen: 0.091 ppbv
RT: 23.55 min Scan# 6412
Delta R.T. 0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Instrument : MSVOA_L
ClientSampleId : MMSV-08

Tgt Ion:225 Resp: 8729

Ion	Ratio	Lower	Upper
225	100		
223	79.1	50.6	75.8#
227	78.6	50.4	75.6#





#80
Naphthalene,2-methyl-
Concen: 0.120 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL032931.D
Acq: 7 Dec 2018 12:34

Tgt Ion:142 Resp: 5271

Ion	Ratio	Lower	Upper
142	100		
141	94.5	68.2	102.2
115	56.8	35.1	52.7#