Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
Data File : VL033627.D
Acq On : 2 May 2019 14:20
Operator : SY/AP
Sample : K2628-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : A-1

Quant Time: May 03 02:27:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 02 06:29:02 2019
QLast Update : Thu May 02 06:29:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	906447	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2285402	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2317729	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1819035	10.31	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	44940	0.329	ppbv		98
3) Chlorodifluoromethane	3.02	51	36953	0.341	ppbv		92
4) Chloromethane	3.17	50	29594	0.501	ppbv	#	88
7) Chloroethane	3.35	64	280	0.014	ppbv	#	43
9) Propene	3.04	41	6258	0.202	ppbv	#	8
10) Heptane	8.24	43	1416	0.012	ppbv	#	1
11) Trichlorofluoromethane	4.00	101	43089	0.265	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	5922	0.053	ppbv	#	63
13) Ethanol	3.65	45	37217	2.645	ppbv		97
15) Acetone	3.90	43	204009	1.849	ppbv		98
16) 1,3-Butadiene	3.34	39	3079	0.062	ppbv	#	36
19) Isopropyl Alcohol	4.04	45	9039	0.119	ppbv	#	1
20) Methylene Chloride	4.41	84	66133	1.538	ppbv		95
23) Vinyl Acetate	5.14	43	2715	0.017	ppbv	#	79
25) Ethyl Acetate	5.78	43	106001	0.506	ppbv	#	79
26) Hexane	5.78	57	143441	1.626	ppbv	#	39
29) Chloroform	5.83	83	2082	0.013	ppbv		93
34) 2-Butanone	5.34	43	20025	0.143	ppbv		96
35) Carbon Tetrachloride	7.13	117	9555	0.053	ppbv	#	88
36) Benzene	7.00	78	13672	0.070	ppbv	#	74
37) 1,2-Dichloroethane	6.40	62	1456	0.011	ppbv	#	84
38) Trichloroethene	7.95	130	952	0.012	ppbv	#	45
39) 1,2-Dichloropropane	7.29	63	603206	8.214	ppbv	#	23
53) Toluene	9.94	91	327186	1.331	ppbv		98
78) Hexachloro-1,3-Butadiene	23.53	225	1335	0.010	ppbv	#	3
80) Naphthalene,2-methyl-	25.11	142	7419	0.064	ppbv	#	91

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

Quantitation Report (Not Reviewed)

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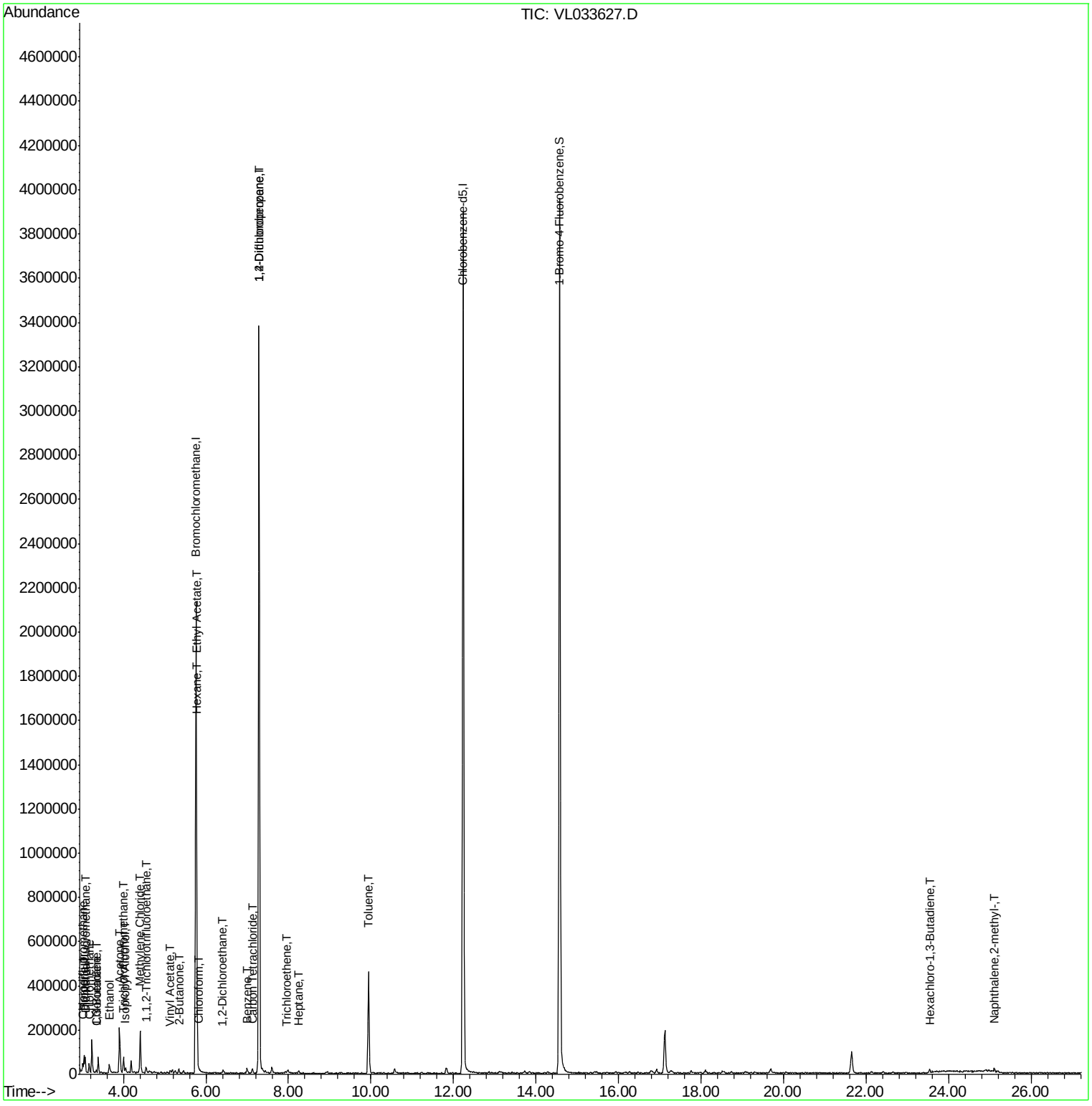
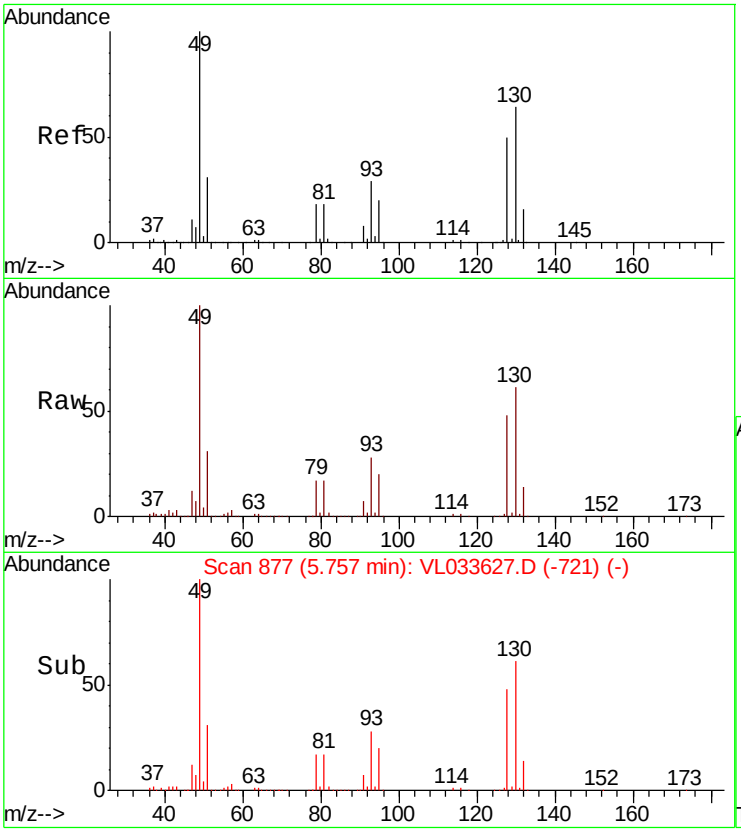


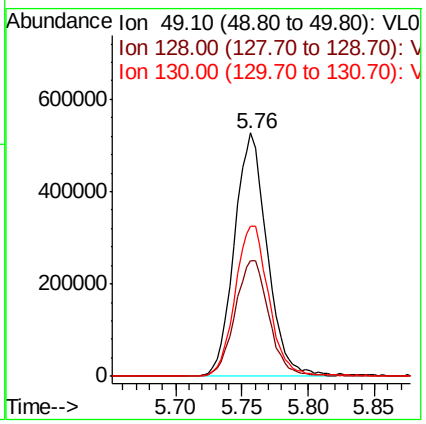


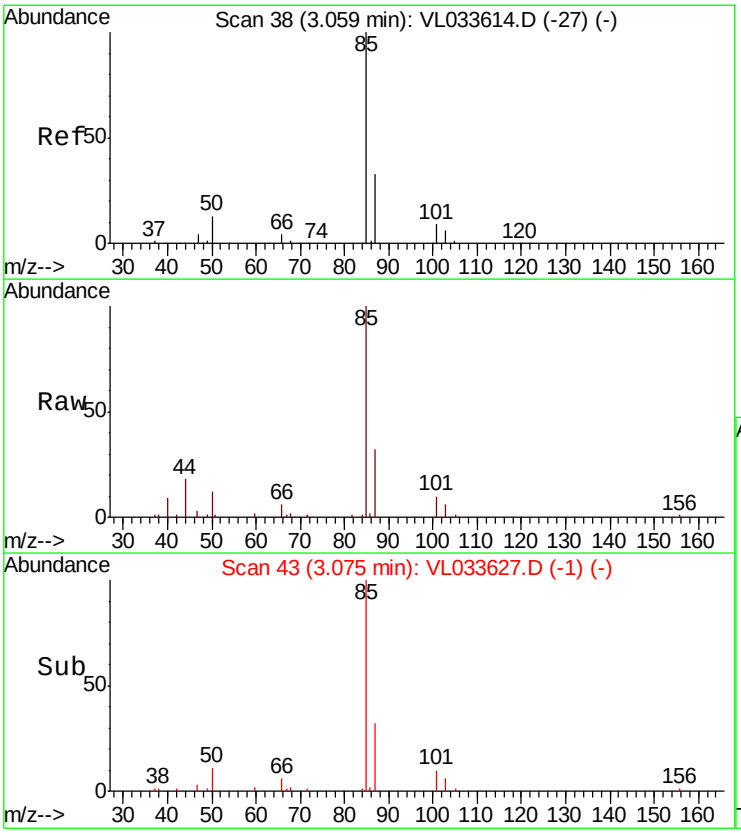
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. 0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 49 Resp: 906447

Ion	Ratio	Lower	Upper
49	100		
128	49.0	25.0	75.0
130	64.2	31.9	95.9

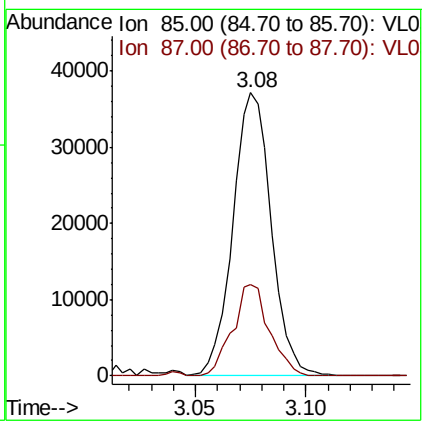


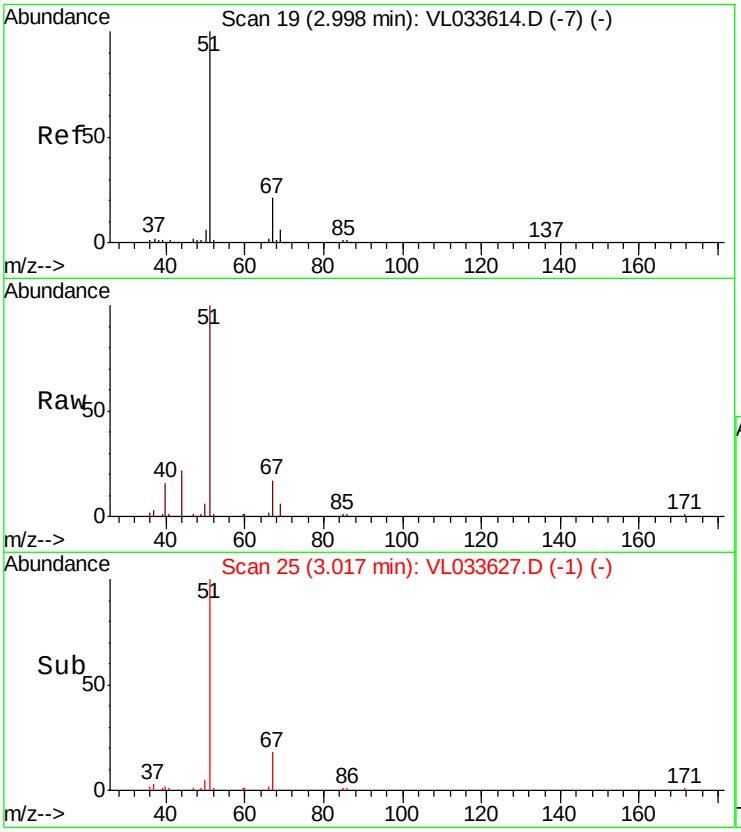


#2
Dichlorodifluoromethane
Concen: 0.329 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.02 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 85 Resp: 44940

Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.8	40.2



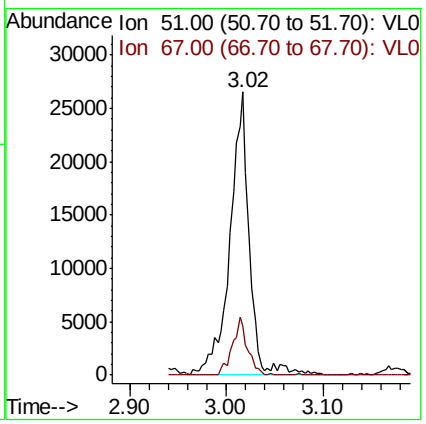


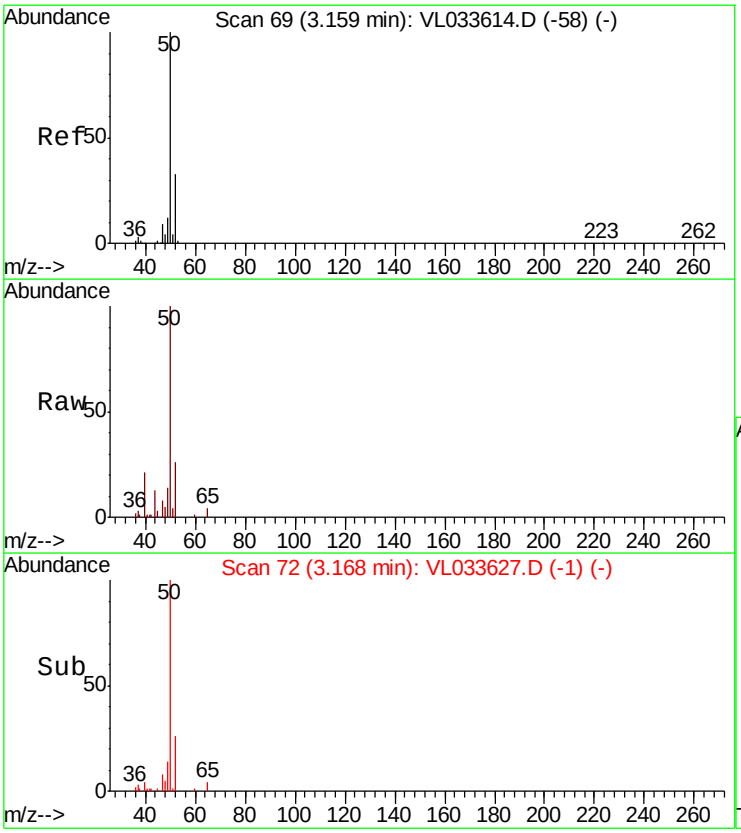
#3
Chlorodifluoromethane
Concen: 0.341 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.02 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 51 Resp: 36953

Ion	Ratio	Lower	Upper
51	100		
67	15.7	15.6	23.4

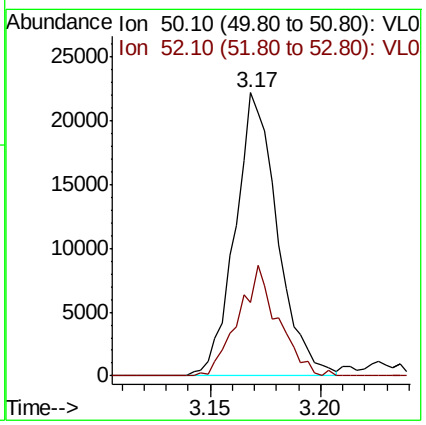


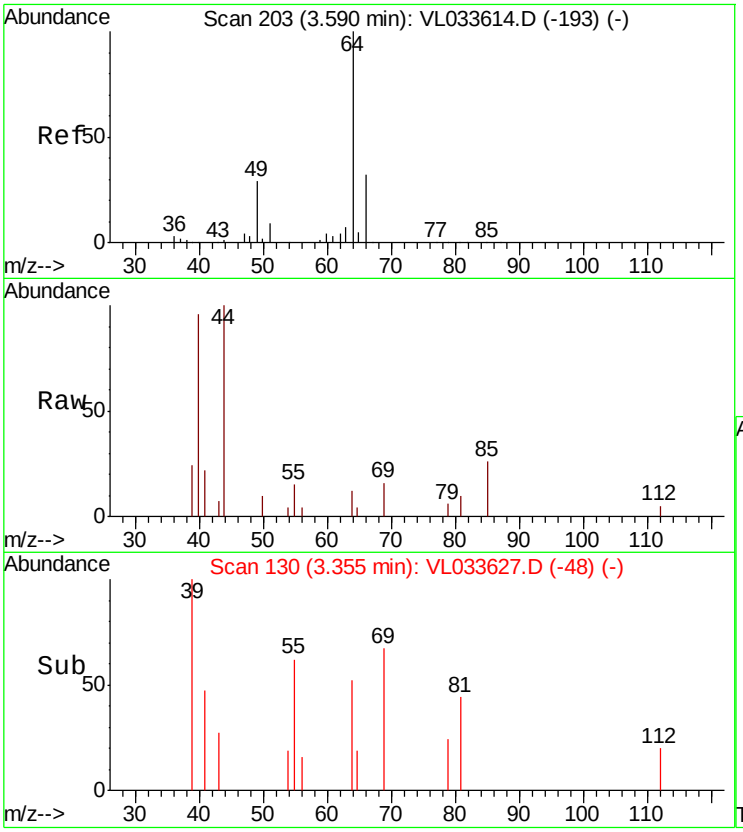


#4
Chloromethane
Concen: 0.501 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 50 Resp: 29594

Ion	Ratio	Lower	Upper
50	100		
52	25.9	26.0	39.0#



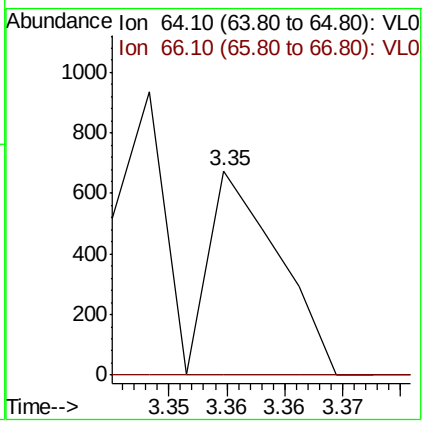


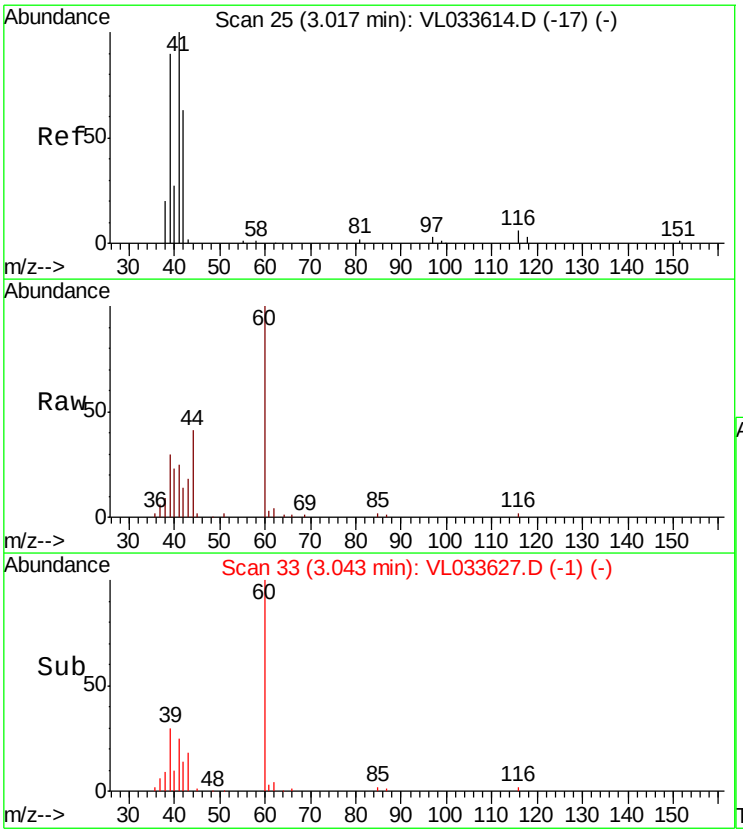
#7
Chloroethane
Concen: 0.014 ppbv
RT: 3.35 min Scan# 130
Delta R.T. -0.23 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 64 Resp: 280

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.4	38.2#

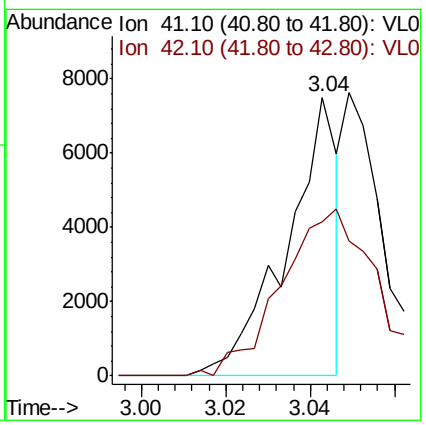


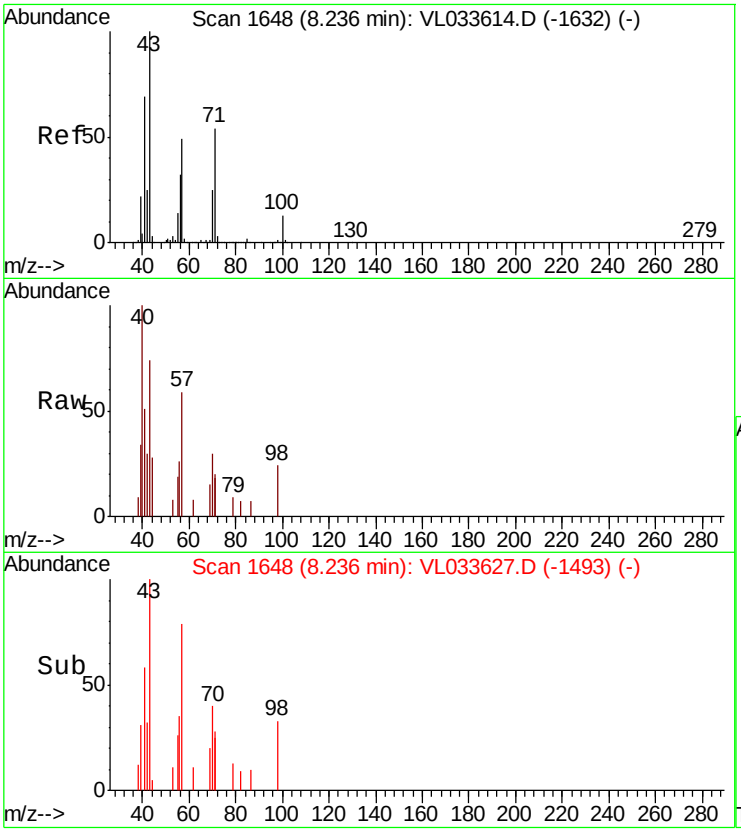


#9
Propene
Concen: 0.202 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.03 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 41 Resp: 6258

Ion	Ratio	Lower	Upper
41	100		
42	0.0	66.0	99.0#



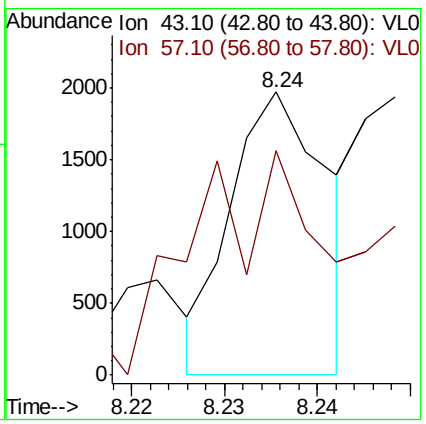


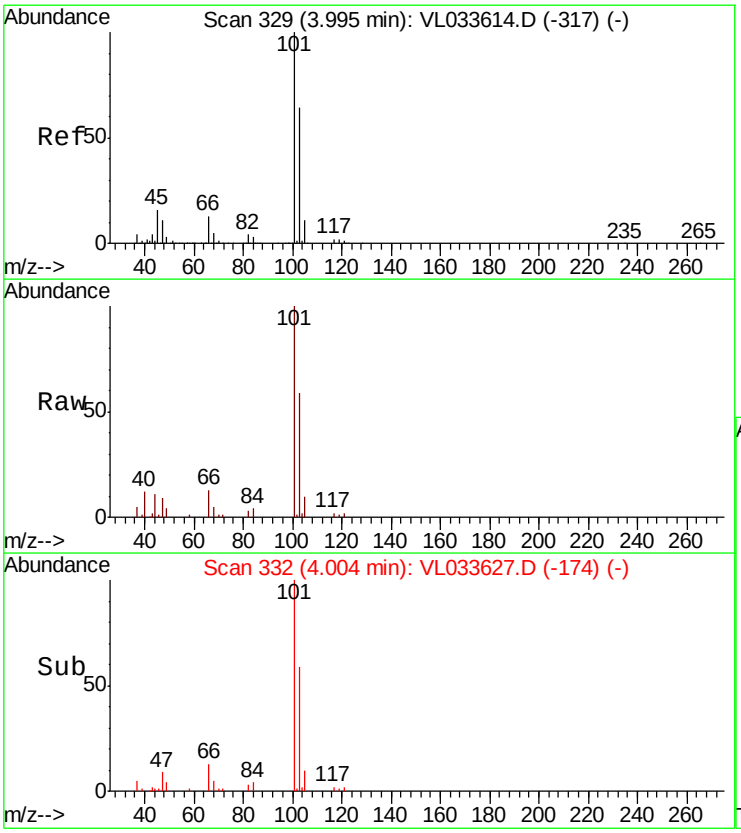
#10
Heptane
Concen: 0.012 ppbv
RT: 8.24 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 43 Resp: 1416

Ion	Ratio	Lower	Upper
43	100		
57	167.3	40.3	60.5#

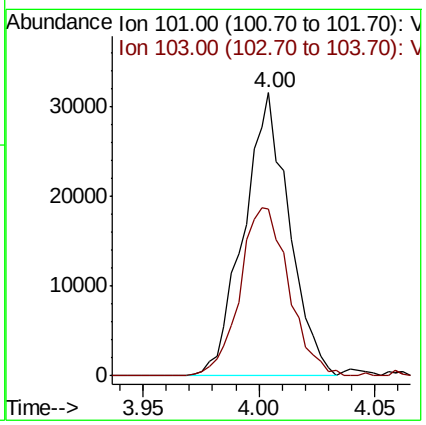


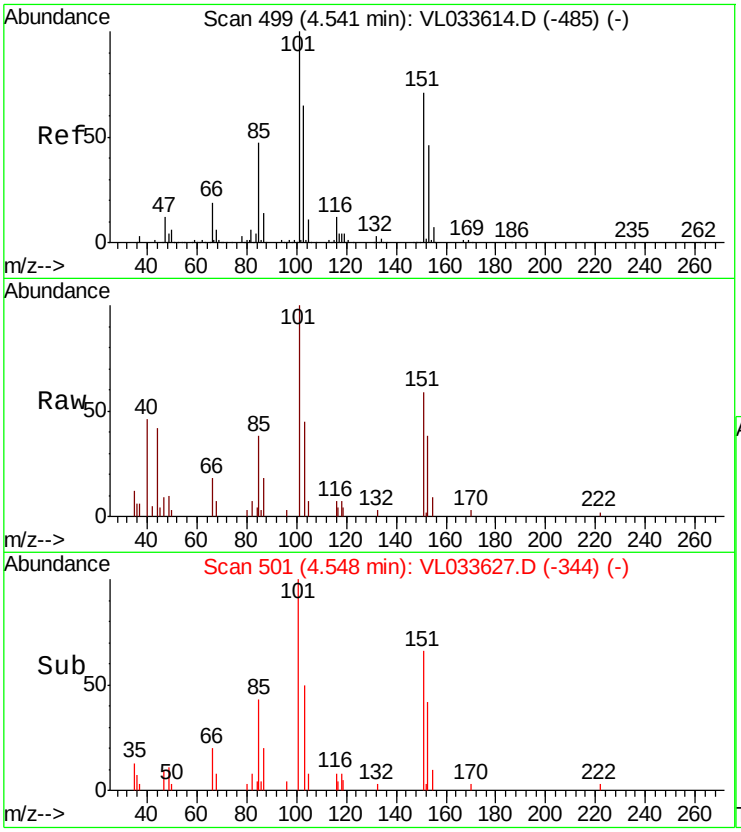


#11
Trichlorofluoromethane
Concen: 0.265 ppbv
RT: 4.00 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion:101 Resp: 43089

Ion	Ratio	Lower	Upper
101	100		
103	59.1	51.2	76.8



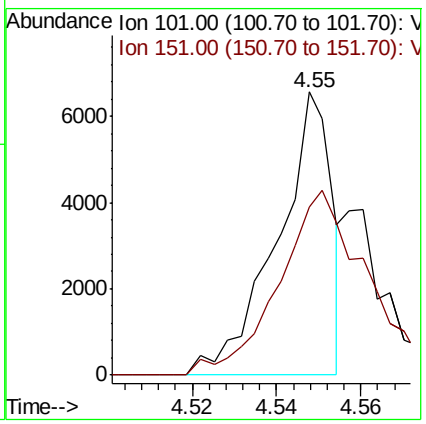


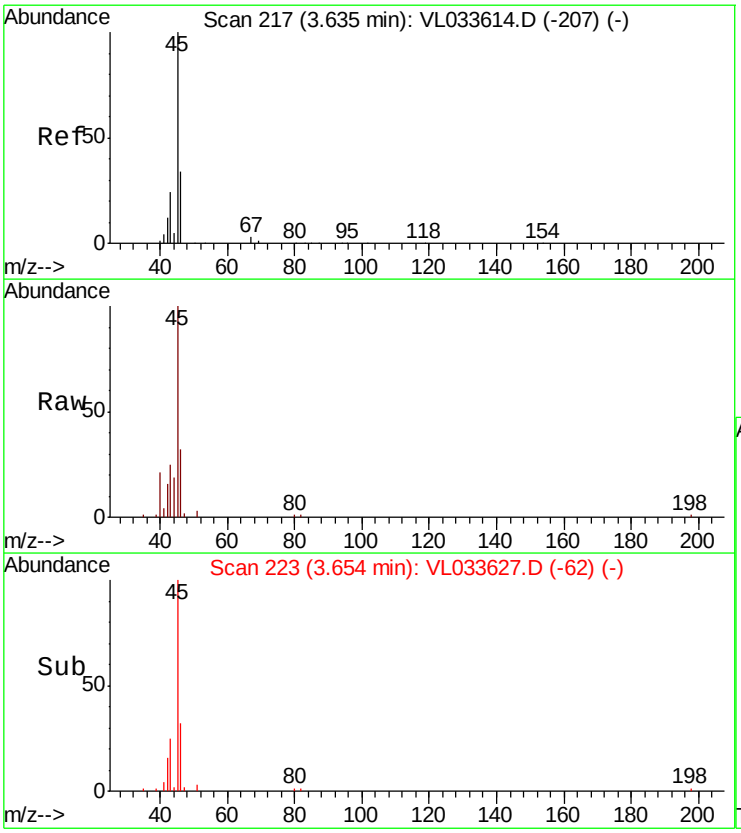
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.053 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion:101 Resp: 5922

Ion	Ratio	Lower	Upper
101	100		
151	105.4	59.2	88.8#

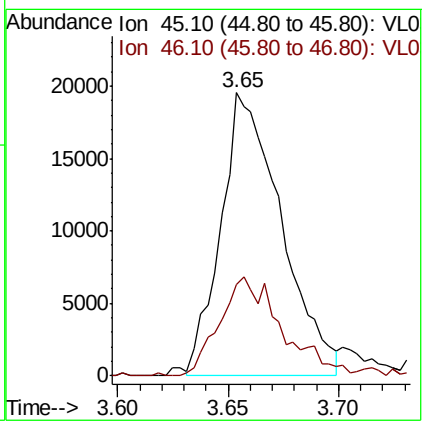


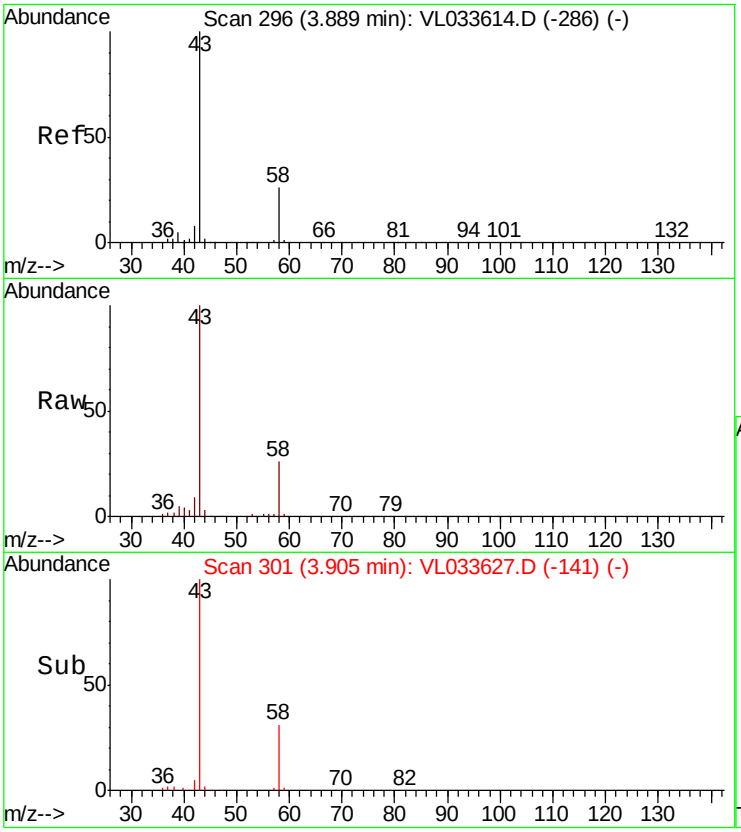


#13
Ethanol
Concen: 2.645 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.02 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 45 Resp: 37217

Ion	Ratio	Lower	Upper
45	100		
46	38.0	14.6	58.2



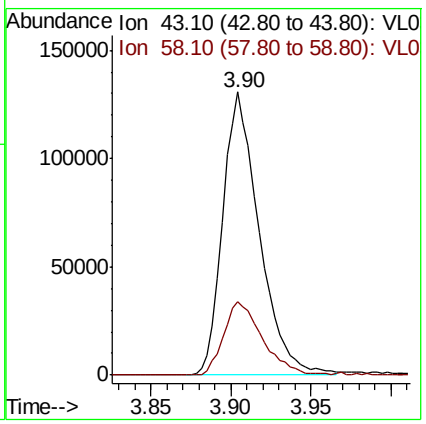


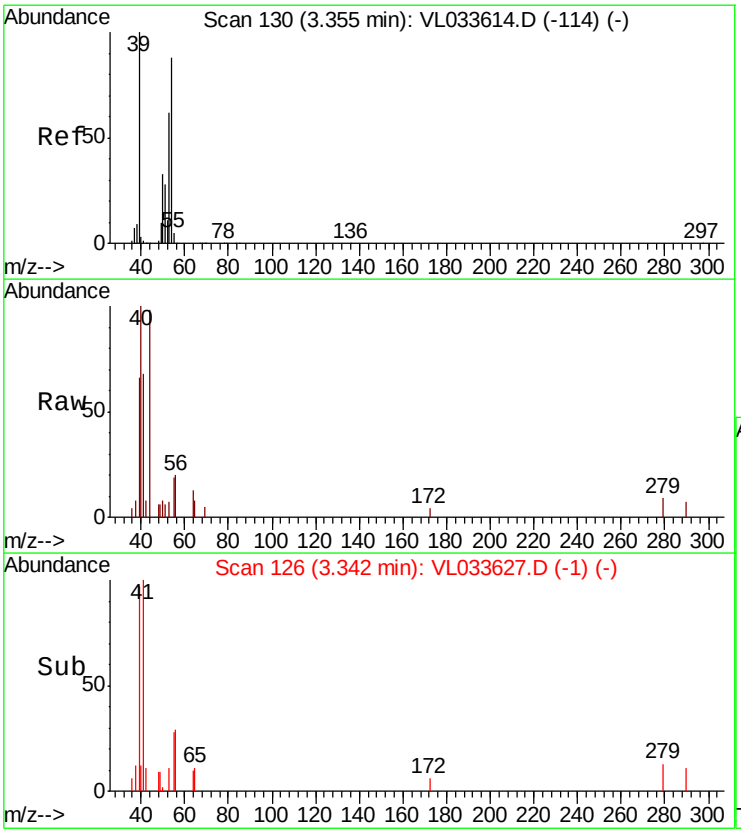
#15
Acetone
Concen: 1.849 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.02 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 43 Resp: 204009

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8

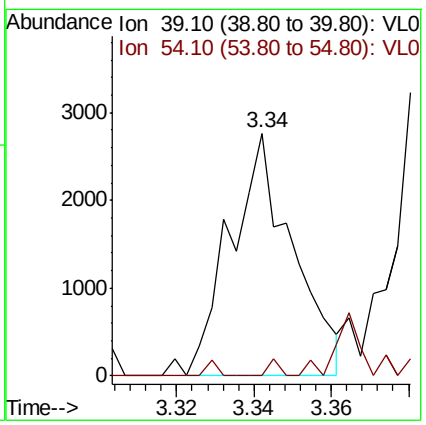


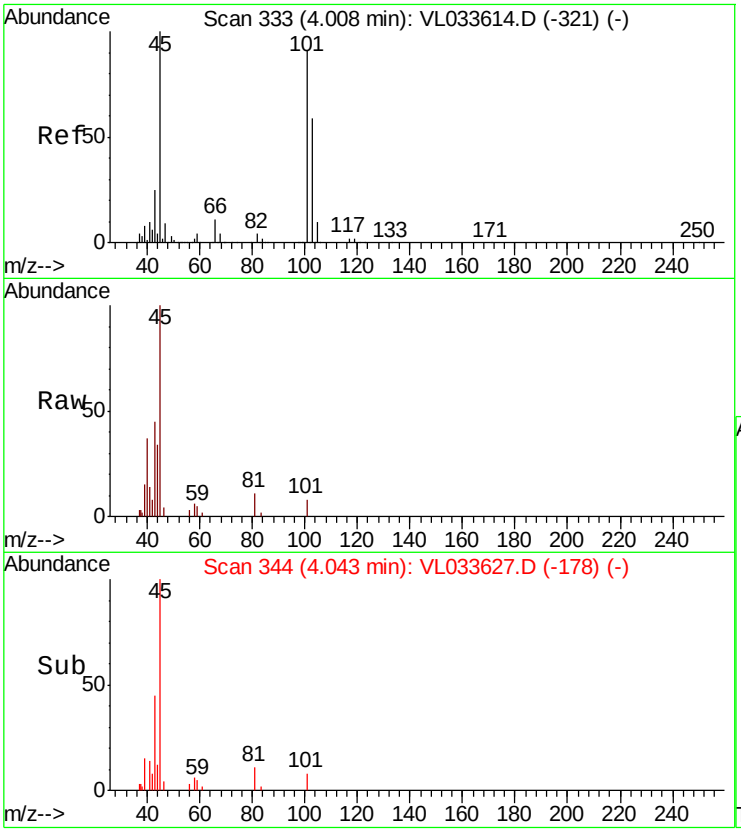


#16
1,3-Butadiene
Concen: 0.062 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 39 Resp: 3079

Ion	Ratio	Lower	Upper
39	100		
54	27.2	68.4	102.6#



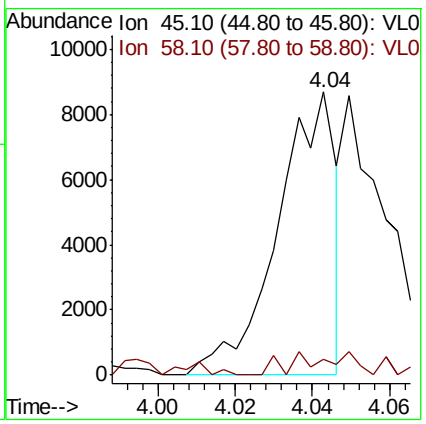


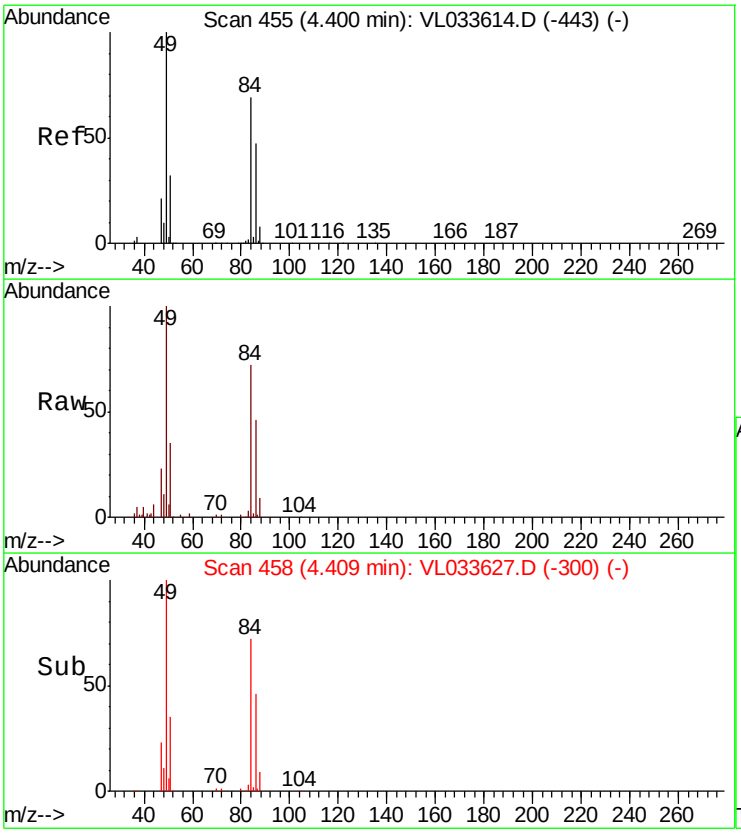
#19
Isopropyl Alcohol
Concen: 0.119 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.04 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 45 Resp: 9039

Ion	Ratio	Lower	Upper
45	100		
58	635.9	1.8	2.6#

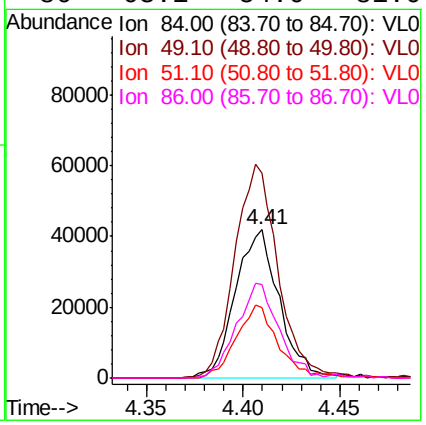


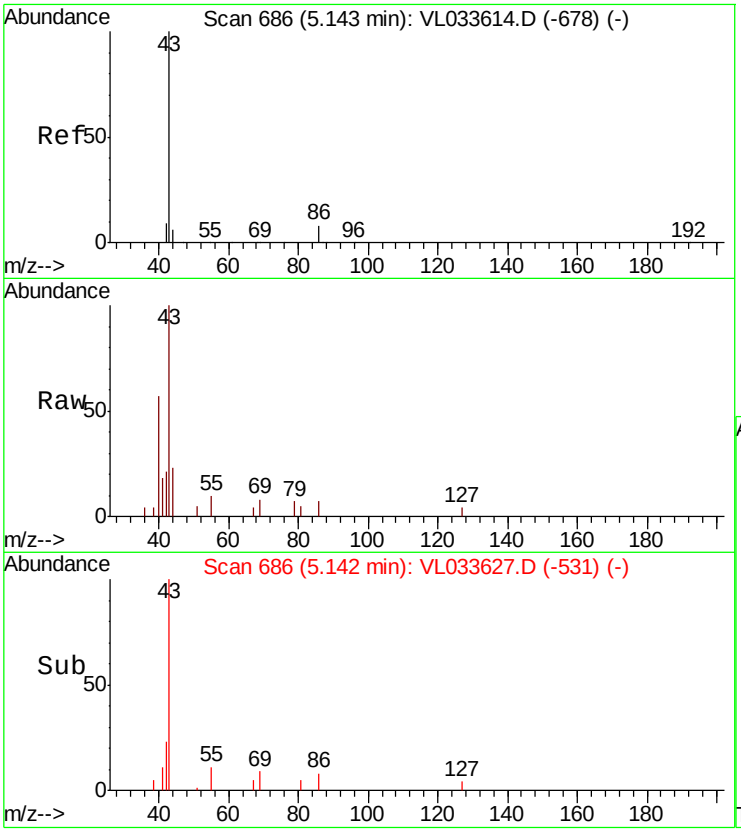


#20
Methylene Chloride
Concen: 1.538 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 84 Resp: 66133

Ion	Ratio	Lower	Upper
84	100		
49	137.5	116.2	174.2
51	47.8	37.0	55.6
86	63.1	54.0	81.0



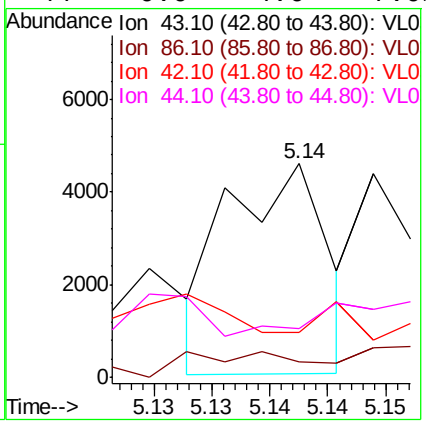


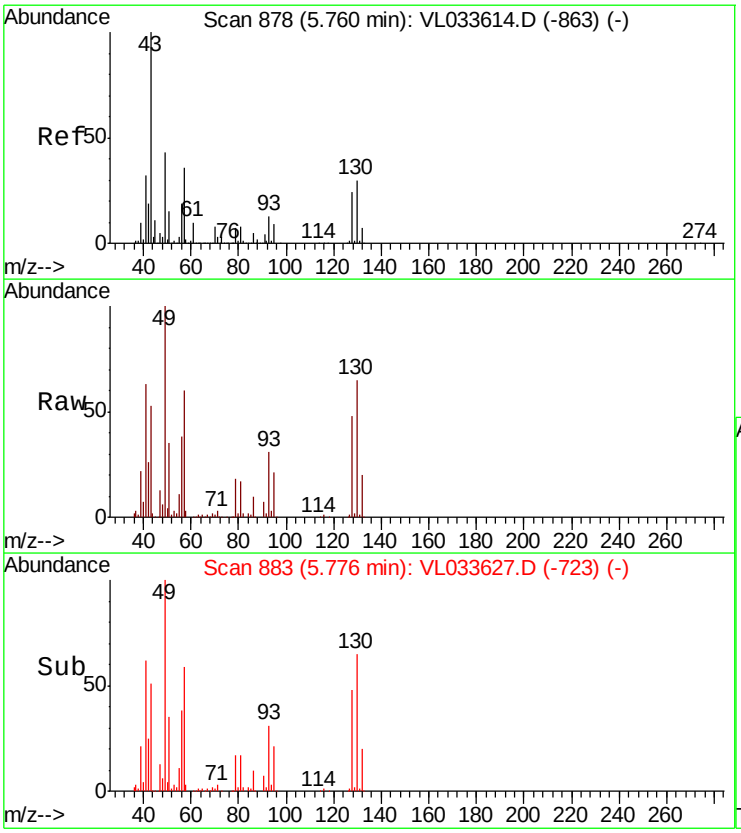
#23
Vinyl Acetate
Concen: 0.017 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 43 Resp: 2715

Ion	Ratio	Lower	Upper
43	100		
86	1.1	5.8	8.8#
42	0.0	7.8	11.8#
44	0.0	4.6	7.0#

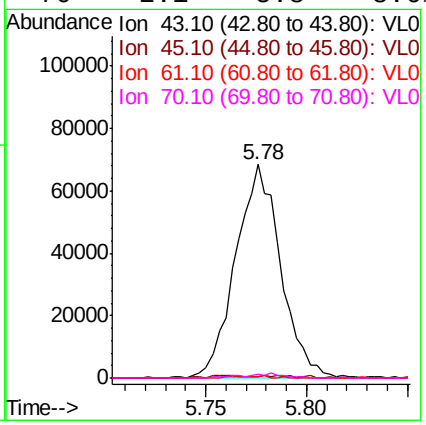


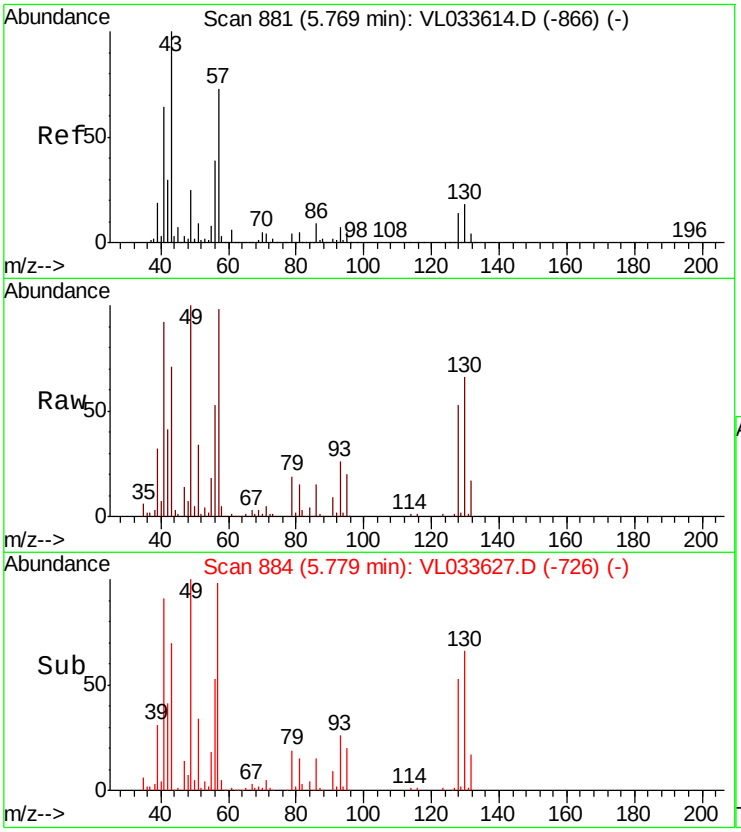


#25
Ethyl Acetate
Concen: 0.506 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.02 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 43 Resp: 106001

Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.1	12.1#
61	0.7	7.5	11.3#
70	2.1	5.8	8.6#



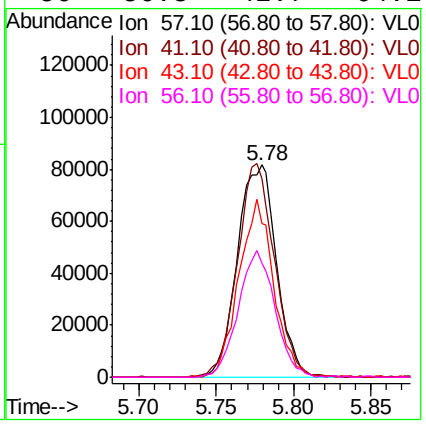


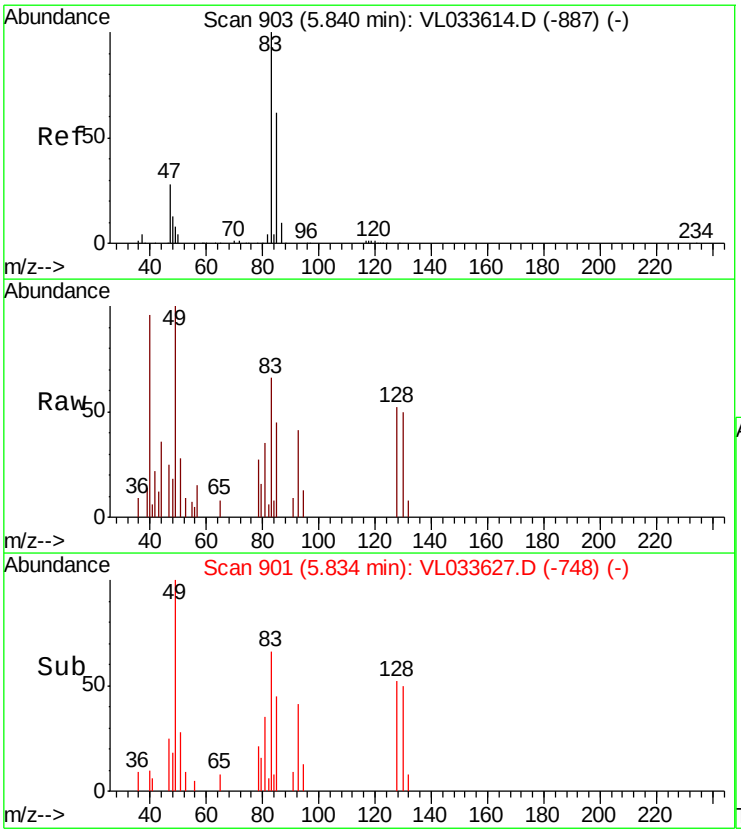
#26
Hexane
Concen: 1.626 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 57 Resp: 143441

Ion	Ratio	Lower	Upper
57	100		
41	95.6	70.6	106.0
43	75.0	186.0	279.0#
56	56.3	42.7	64.1

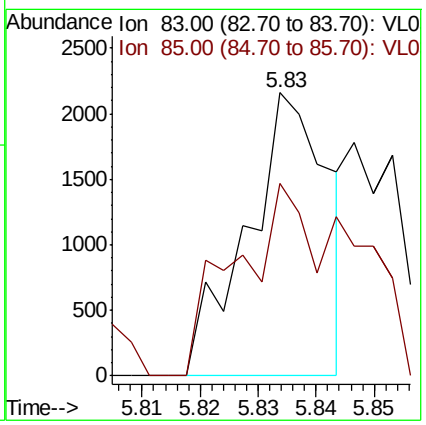


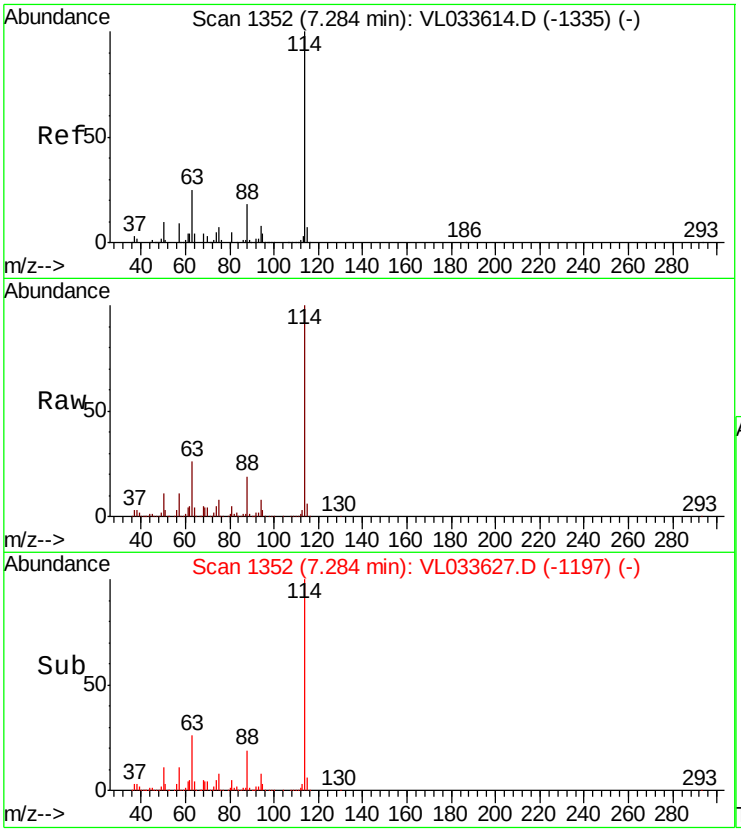


#29
Chloroform
Concen: 0.013 ppbv
RT: 5.83 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 83 Resp: 2082

Ion	Ratio	Lower	Upper
83	100		
85	68.0	49.9	74.9



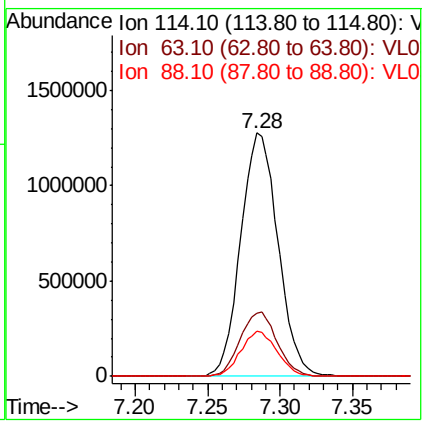


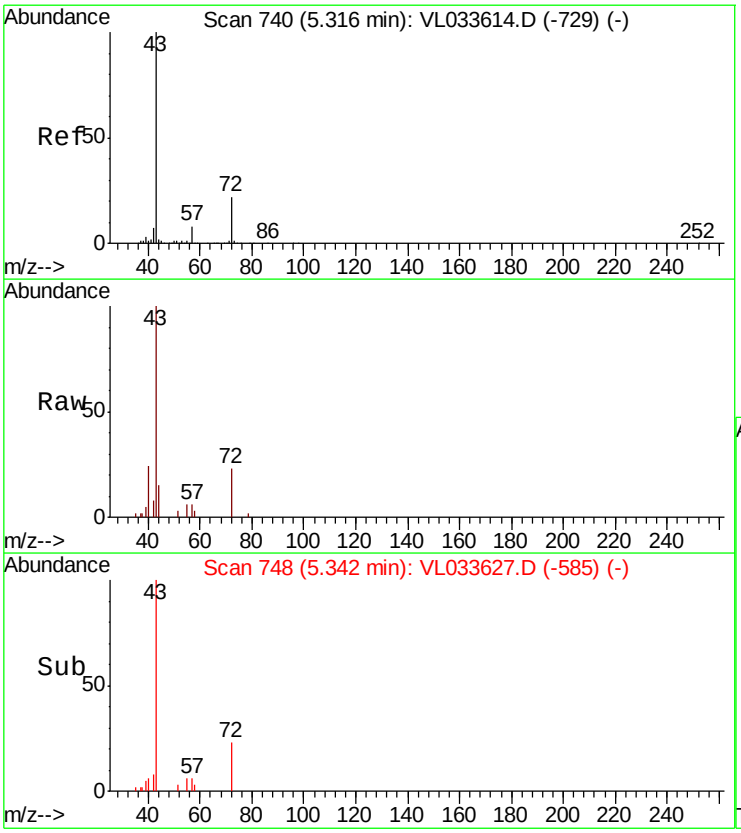
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion:114 Resp: 2285402

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.1	31.7
88	18.3	14.2	21.4

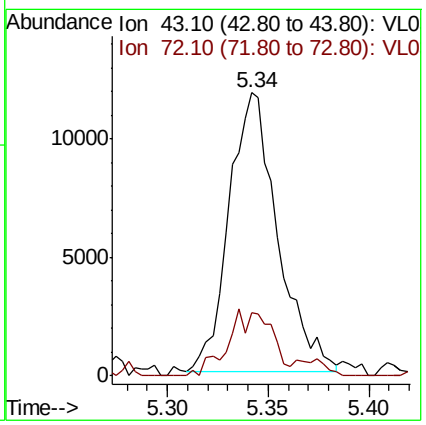


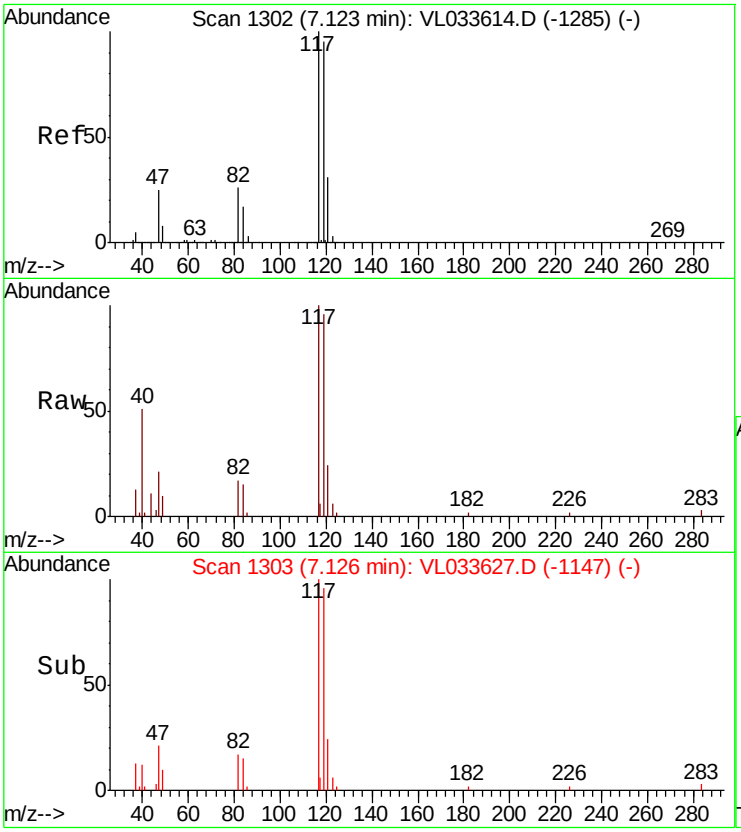


#34
2-Butanone
Concen: 0.143 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.03 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 43 Resp: 20025

Ion	Ratio	Lower	Upper
43	100		
72	24.5	17.8	26.8



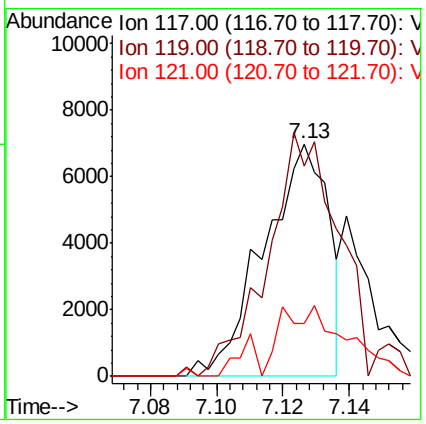


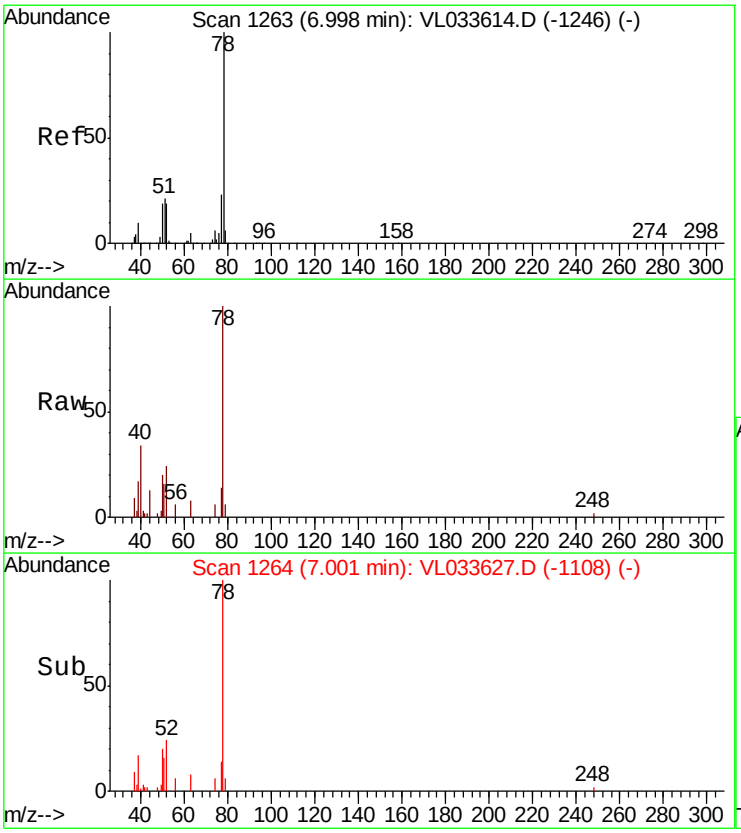
#35
Carbon Tetrachloride
Concen: 0.053 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion:117 Resp: 9555

Ion	Ratio	Lower	Upper
117	100		
119	86.4	76.2	114.4
121	19.1	24.9	37.3#

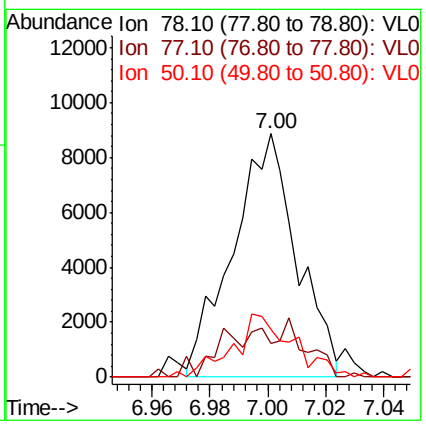


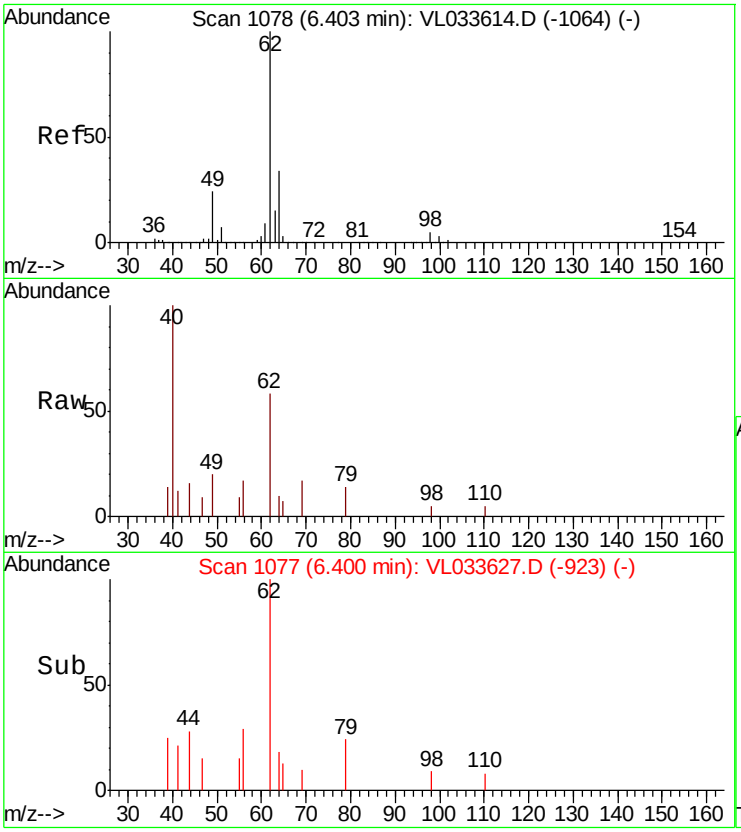


#36
Benzene
Concen: 0.070 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 78 Resp: 13672

Ion	Ratio	Lower	Upper
78	100		
77	14.3	18.1	27.1#
50	34.9	15.1	22.7#



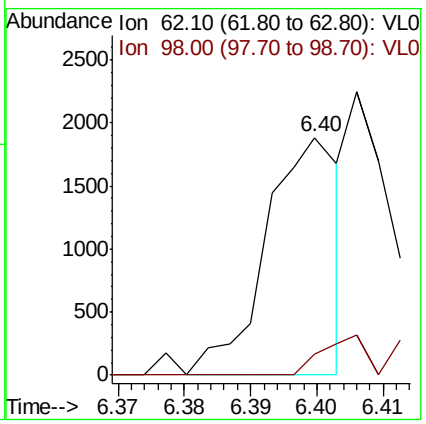


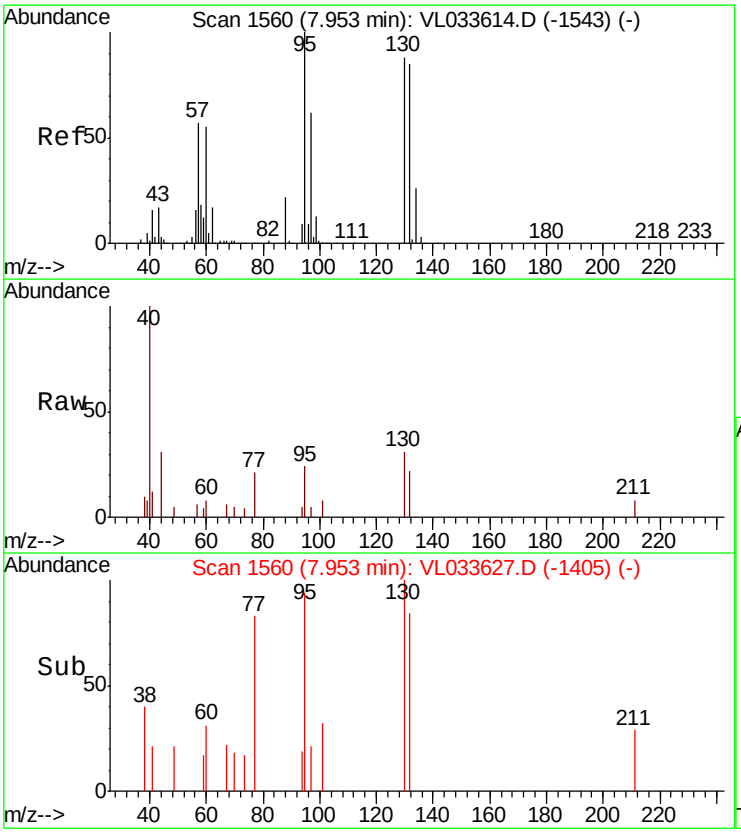
#37
1,2-Dichloroethane
Concen: 0.011 ppbv
RT: 6.40 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion: 62 Resp: 1456

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.4	6.6#

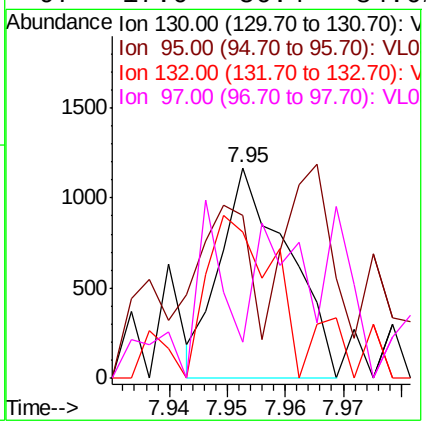


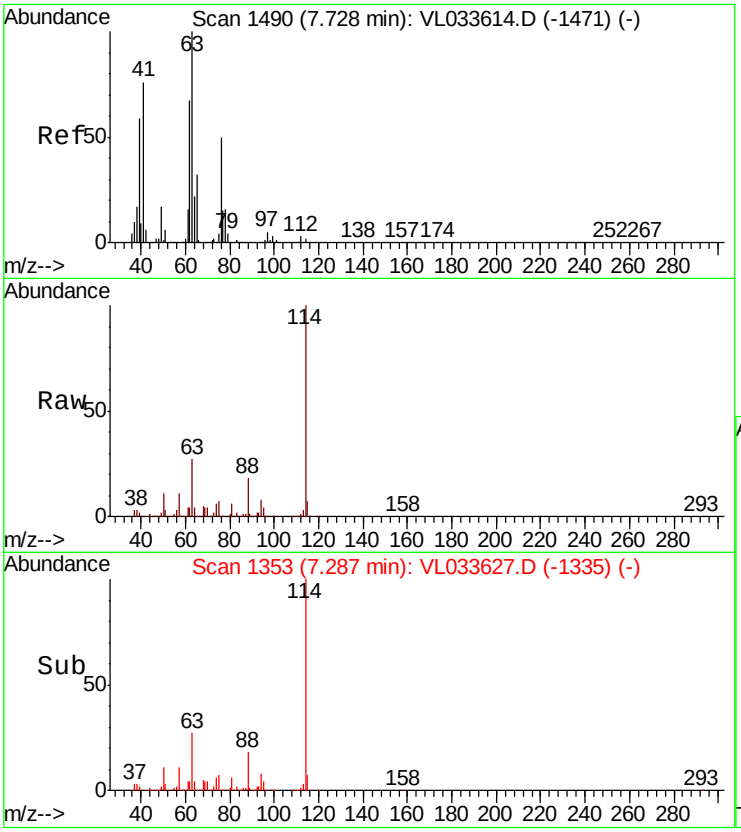


#38
Trichloroethene
Concen: 0.012 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion:130 Resp: 952

Ion	Ratio	Lower	Upper
130	100		
95	37.6	91.2	136.8#
132	69.2	77.8	116.8#
97	17.0	56.4	84.6#



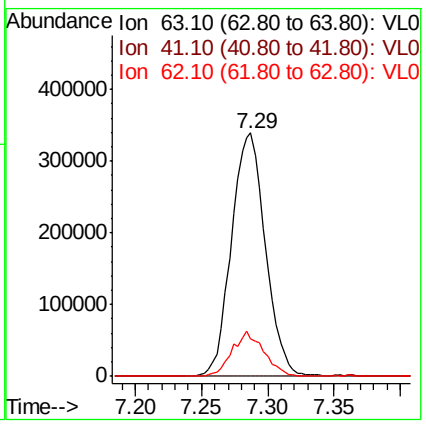


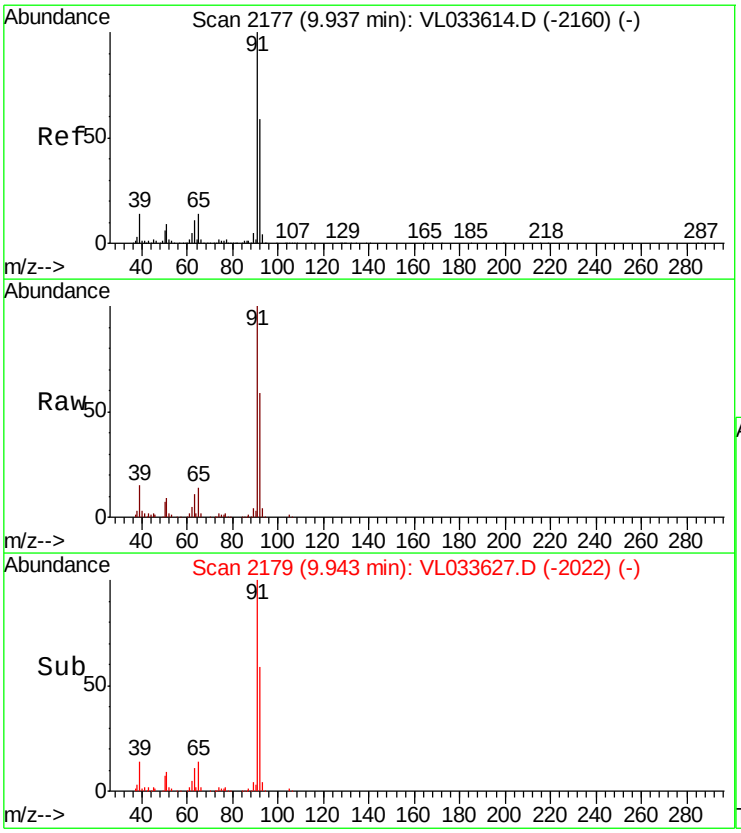
#39
1,2-Dichloropropane
Concen: 8.214 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.44 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument : MSVOA_L
ClientSampleId : A-1

Tgt Ion: 63 Resp: 603206

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.9	91.3#
62	15.6	53.3	79.9#

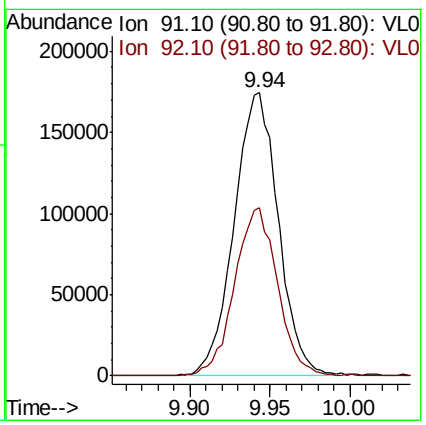


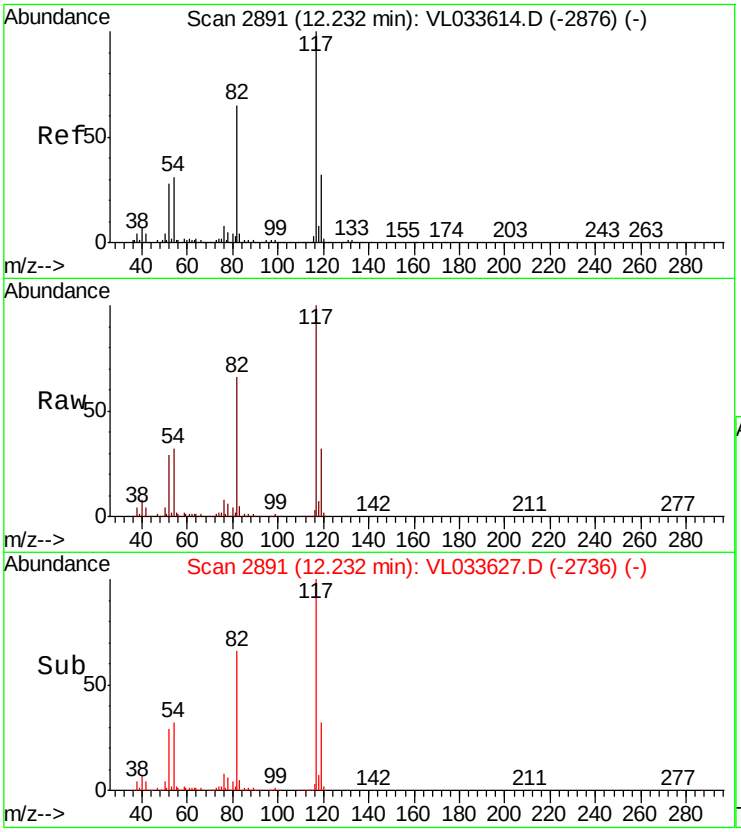


#53
Toluene
Concen: 1.331 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 91 Resp: 327186

Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.8	71.6



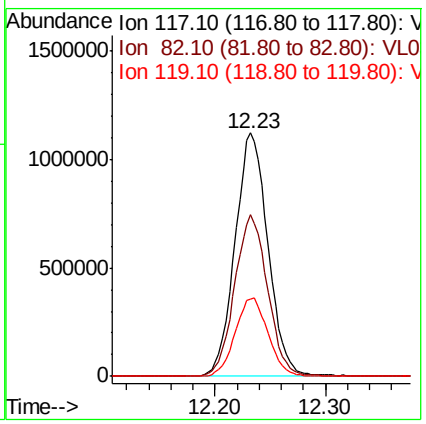


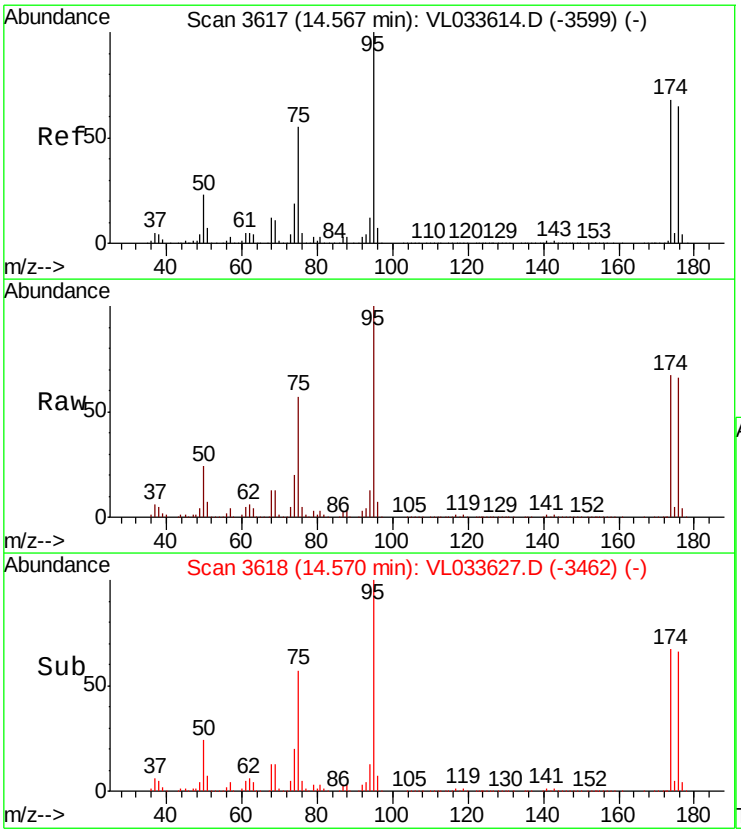
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion:117 Resp: 2317729

Ion	Ratio	Lower	Upper
117	100		
82	66.8	52.6	78.8
119	32.3	28.3	42.5

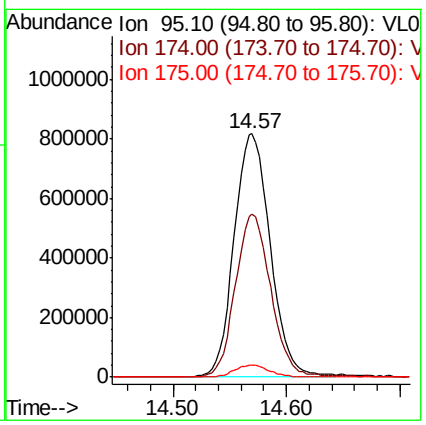


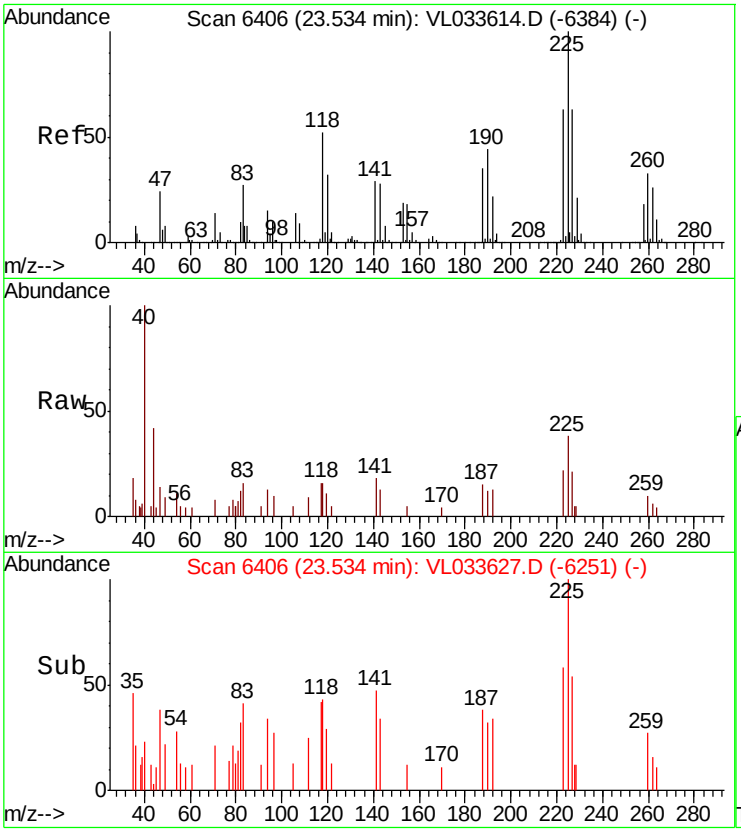


#68
1-Bromo-4-Fluorobenzene
Concen: 10.309 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. 0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion: 95 Resp: 1819035

Ion	Ratio	Lower	Upper
95	100		
174	66.5	53.9	80.9
175	4.9	4.0	6.0



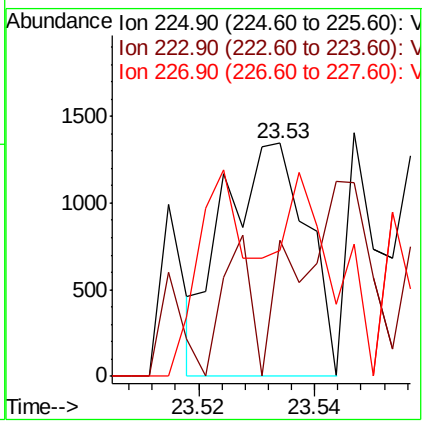


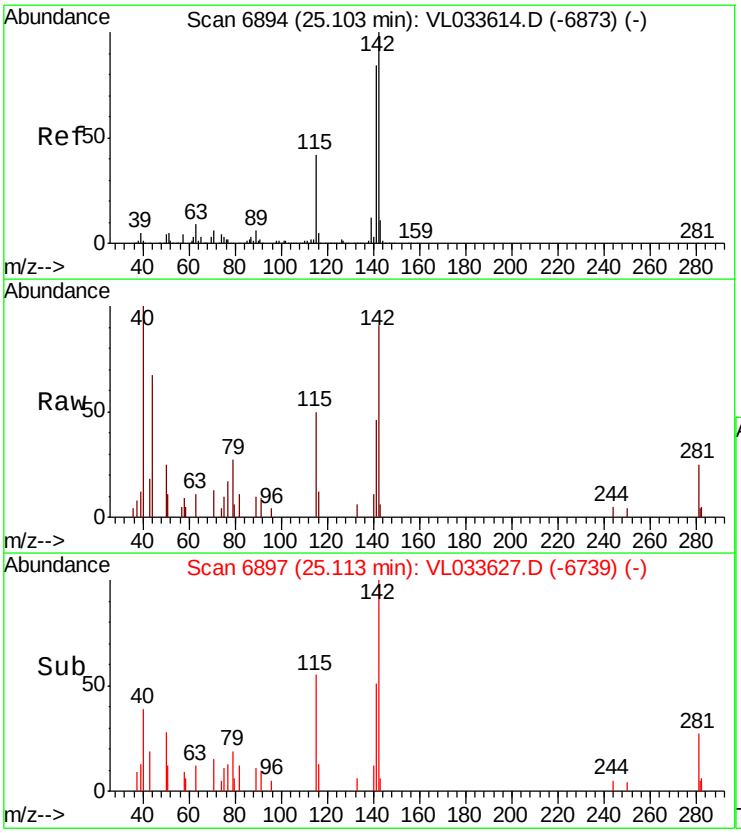
#78
Hexachloro-1,3-Butadiene
Concen: 0.010 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.00 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Instrument :
MSVOA_L
ClientSampleId :
A-1

Tgt Ion:225 Resp: 1335

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.4	75.6#
227	150.8	50.7	76.1#





#80
Naphthalene,2-methyl-
Concen: 0.064 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.01 min
Lab File: VL033627.D
Acq: 2 May 2019 14:20

Tgt Ion:142 Resp: 7419

Ion	Ratio	Lower	Upper
142	100		
141	86.8	67.3	100.9
115	56.1	33.8	50.8#