Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051220\
Data File : VL035004.D
Acq On : 13 May 2020 2:07
Operator : SY/AP
Sample : L2566-02DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Quant Time: May 13 06:56:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1019854	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.19	114	2413586	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.20	117	2223924	10.00	ppbv		0.08
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1709769	9.50	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.00%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.94	51	12254	0.105	ppbv	#	86
4) Chloromethane	3.09	50	1777	0.027	ppbv	#	44
7) Chloroethane	3.52	64	594	0.025	ppbv	#	46
9) Propene	3.16	41	20012	0.396	ppbv		85
13) Ethanol	3.57	45	53016	3.180	ppbv		97
15) Acetone	3.83	43	151113	1.121	ppbv	#	89
16) 1,3-Butadiene	3.26	39	38220	0.659	ppbv	#	16
17) tert-Butyl alcohol	4.25	59	4837	0.040	ppbv	#	71
18) 1,1-Dichloroethene	4.25	96	138718	3.009	ppbv		97
19) Isopropyl Alcohol	3.95	45	18300	0.204	ppbv	#	44
20) Methylene Chloride	4.30	84	6350	0.142	ppbv		88
22) trans-1,2-Dichloroethene	4.85	96	55011	1.205	ppbv		99
23) Vinyl Acetate	5.02	43	44914	0.263	ppbv	#	1
25) Ethyl Acetate	5.66	43	21778	0.096	ppbv	#	75
26) Hexane	5.66	57	26515	0.270	ppbv	#	1
29) Chloroform	5.73	83	644120	4.009	ppbv		99
30) Cyclohexane	7.11	84	7263	0.096	ppbv	#	1
31) cis-1,2-Dichloroethene	5.53	61	2048161	21.380	ppbv		97
32) 1,1,1-Trichloroethane	6.50	97	60731	0.419	ppbv	#	92
36) Benzene	6.90	78	127798	0.642	ppbv		94
38) Trichloroethene	7.90	130	31841684	413.044	ppbv	#	86
39) 1,2-Dichloropropane	7.85	63	65813	0.825	ppbv	#	1
40) 1,4-Dioxane	7.84	88	1265	0.039	ppbv	#	1
42) Bromodichloromethane	7.90	83	1350017	8.155	ppbv	#	91
43) Methyl Methacrylate	7.92	69	1710	0.020	ppbv	#	1
47) 1,1,2-Trichloroethane	9.50	97	40654	0.483	ppbv		96
52) Tetrachloroethene	11.42	164	53256828	752.669	ppbv		90
53) Toluene	9.83	91	261390	1.239	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.24	131	106978	1.067	ppbv	#	8
58) Ethyl Benzene	13.06	91	18408	0.067	ppbv		93

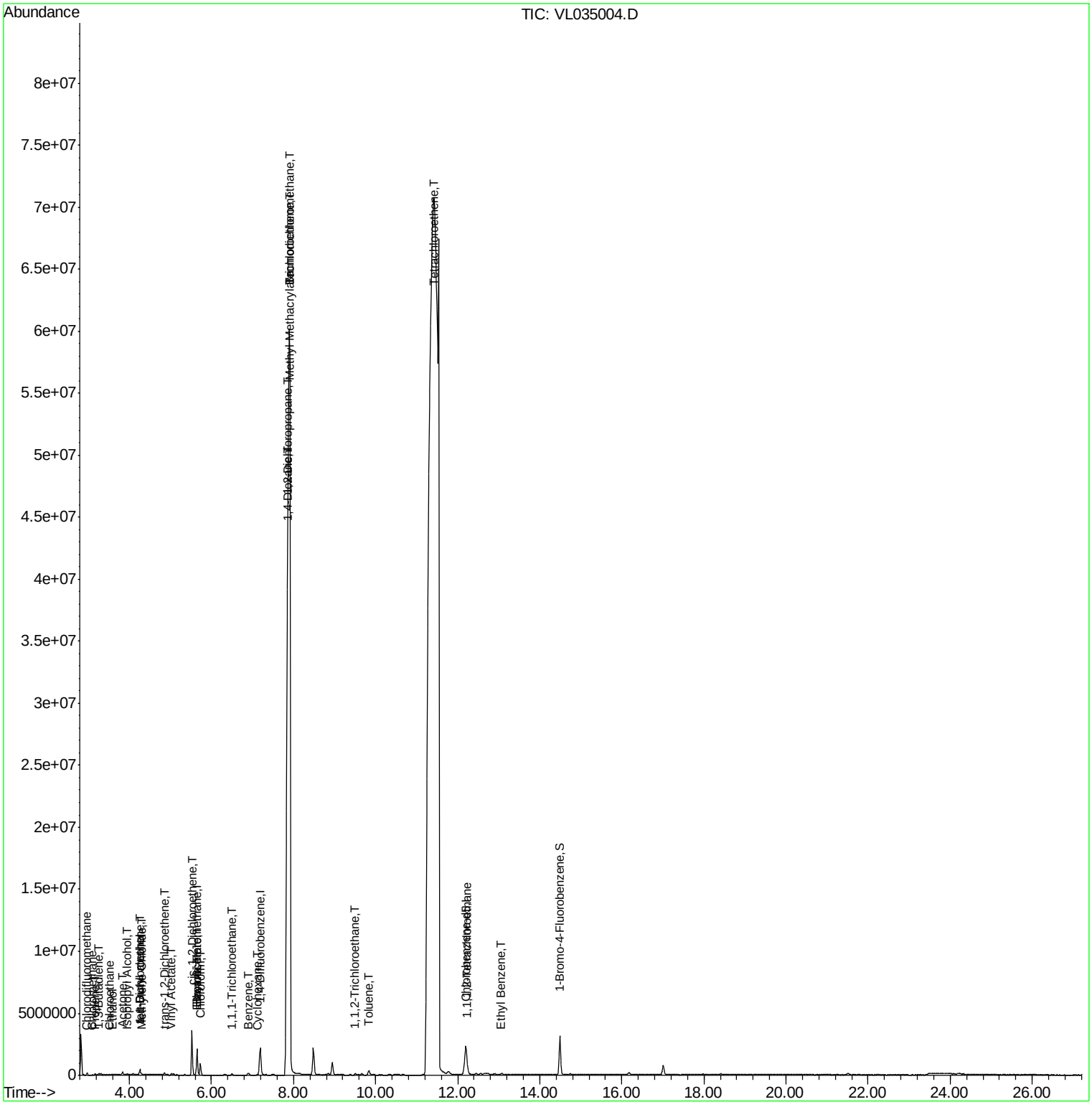
(#) = qualifier out of range (m) = manual integration (+) = signals summed

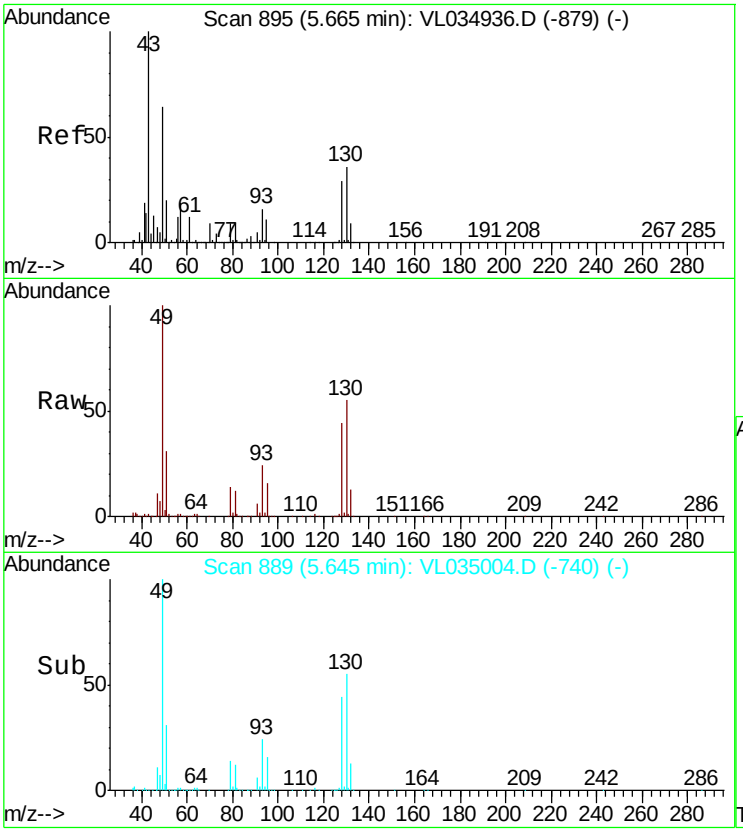
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051220\
Data File : VL035004.D
Acq On : 13 May 2020 2:07
Operator : SY/AP
Sample : L2566-02DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Quant Time: May 13 06:56:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration



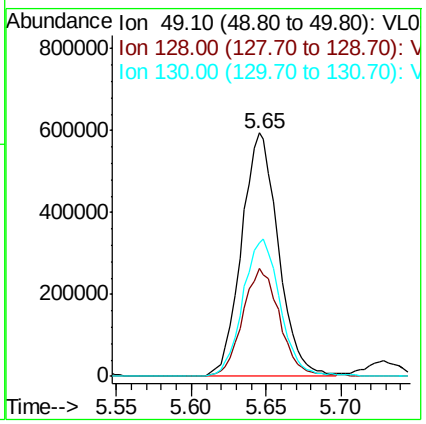


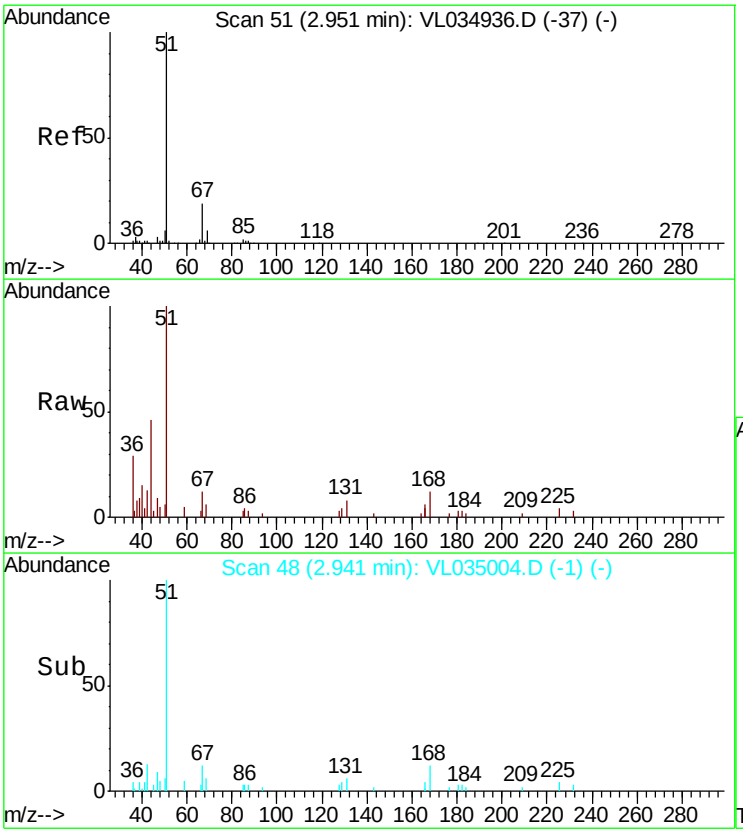
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 49 Resp: 1019854

Ion	Ratio	Lower	Upper
49	100		
128	44.6	22.1	66.5
130	57.2	29.1	87.3

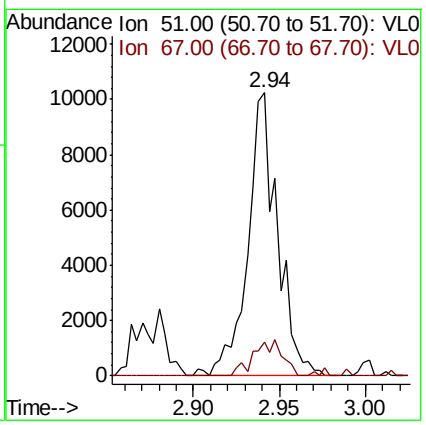


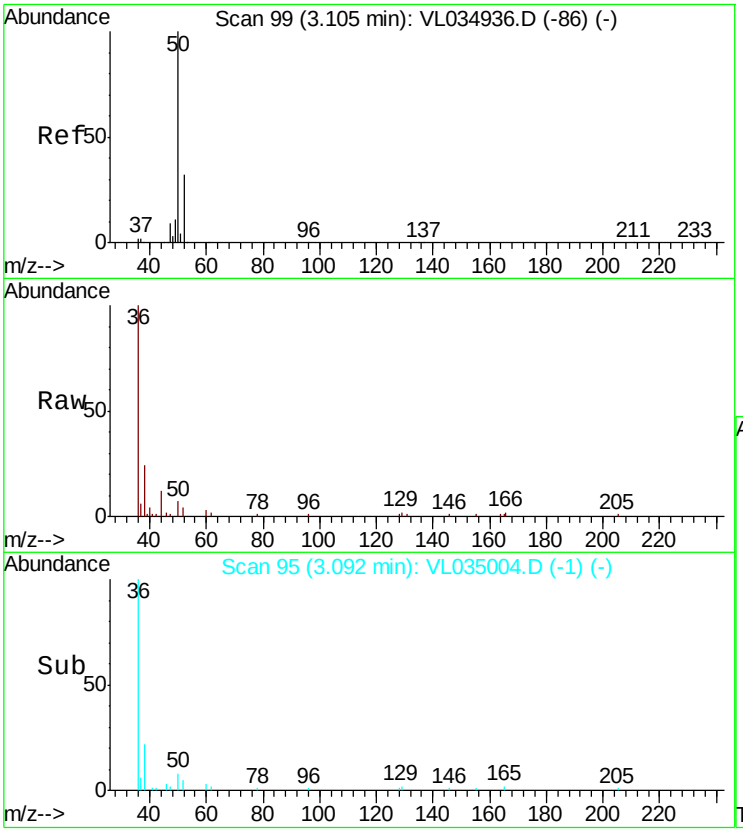


#3
Chlorodifluoromethane
Concen: 0.105 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.01 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 51 Resp: 12254

Ion	Ratio	Lower	Upper
51	100		
67	12.6	15.0	22.6#



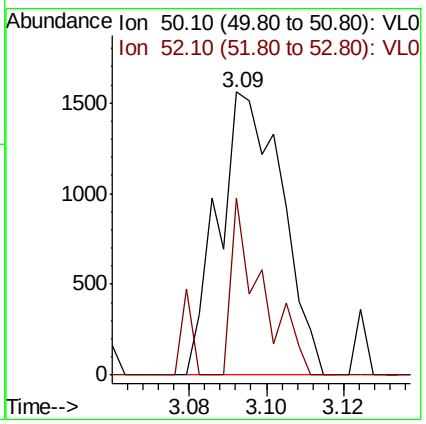


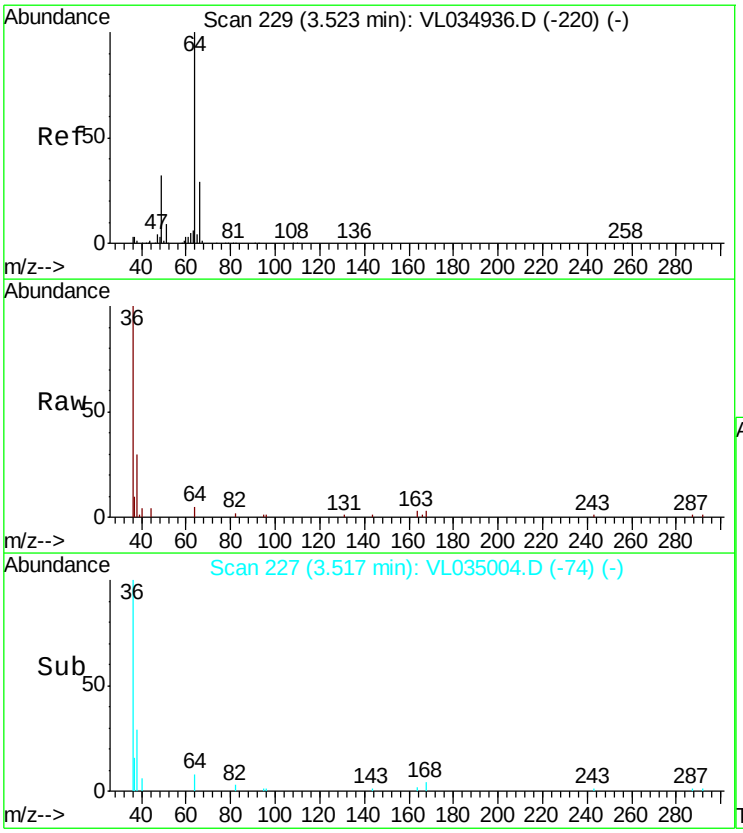
#4
Chloromethane
Concen: 0.027 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.01 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 50 Resp: 1777

Ion	Ratio	Lower	Upper
50	100		
52	62.7	25.4	38.2#

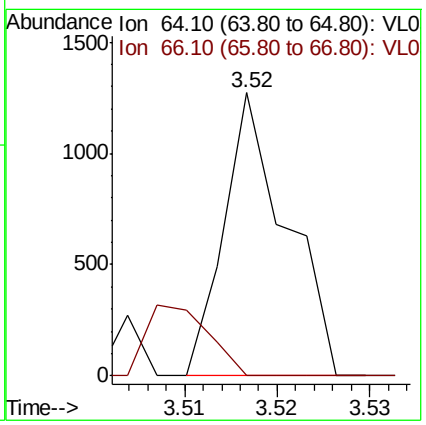


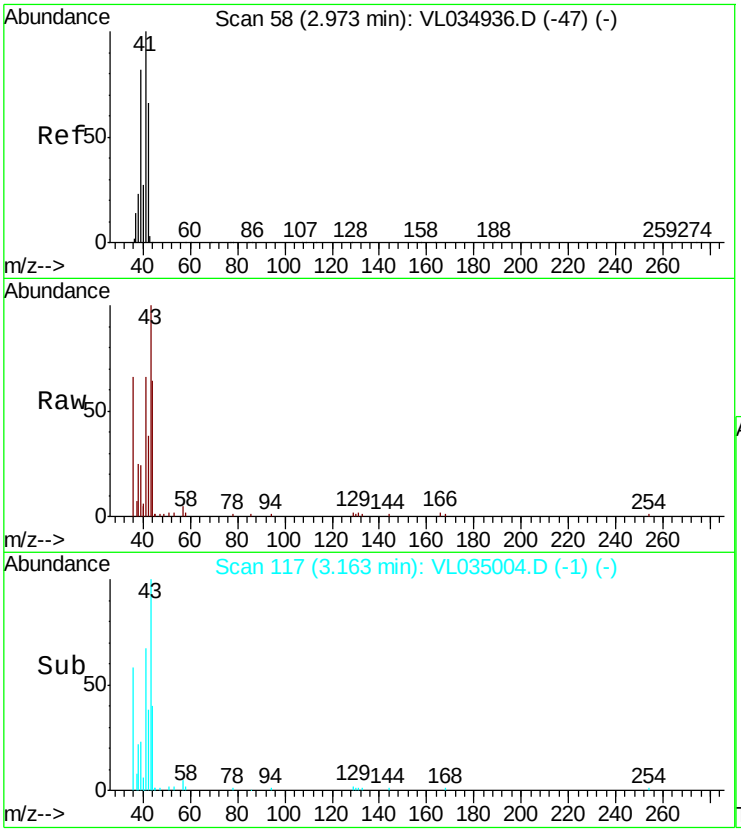


#7
Chloroethane
Concen: 0.025 ppbv
RT: 3.52 min Scan# 227
Delta R.T. -0.01 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 64 Resp: 594

Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.2	34.8#



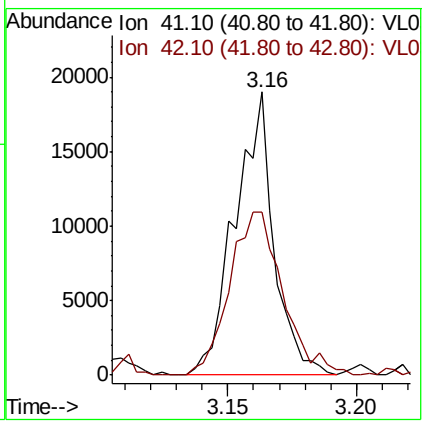


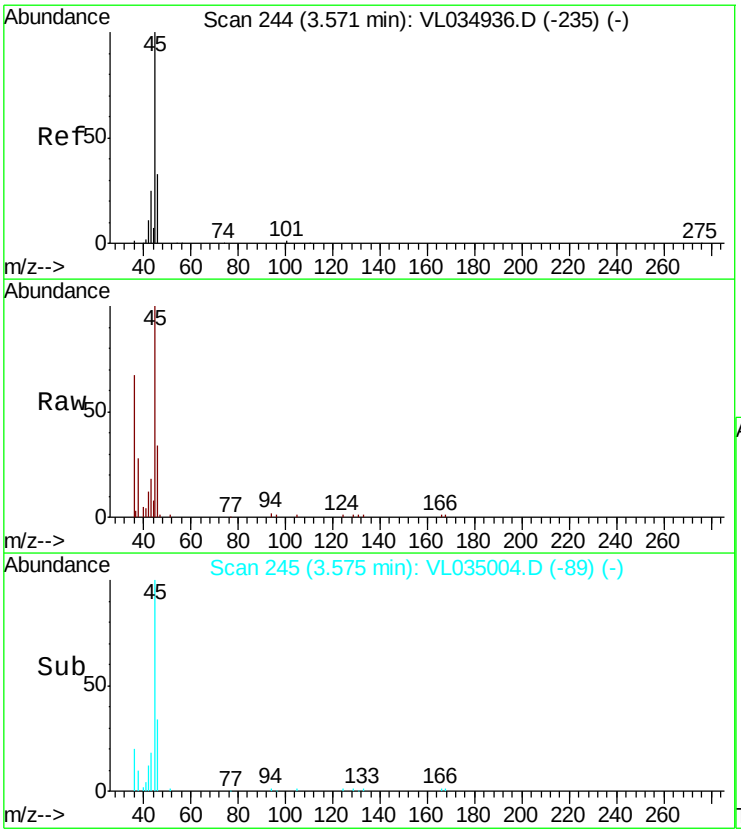
#9
Propene
Concen: 0.396 ppbv
RT: 3.16 min Scan# 117
Delta R.T. 0.19 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 41 Resp: 20012

Ion	Ratio	Lower	Upper
41	100		
42	80.1	54.5	81.7

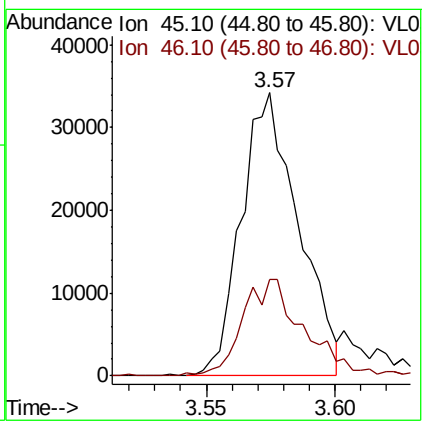


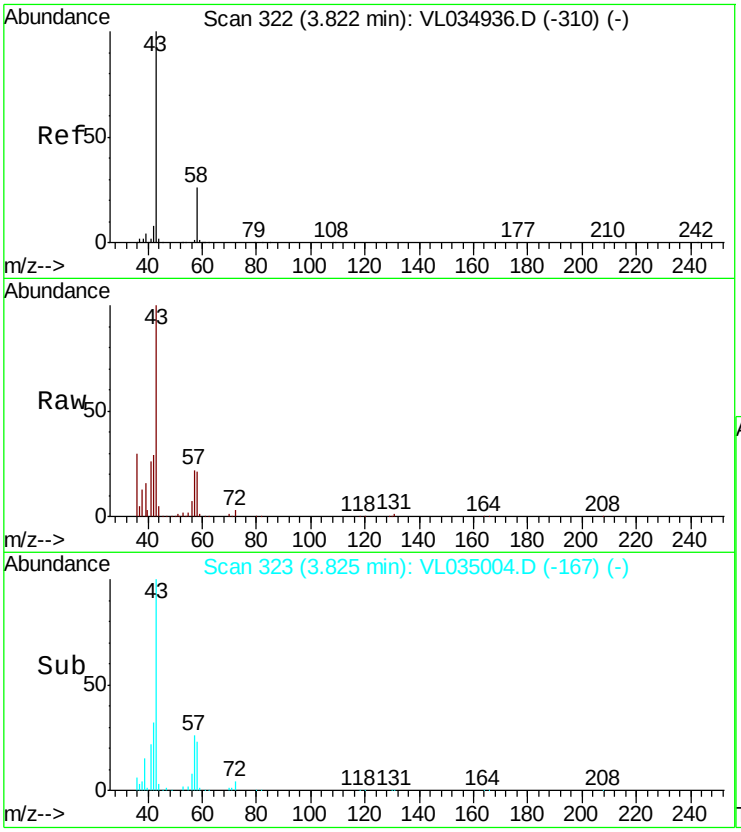


#13
Ethanol
Concen: 3.180 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.00 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 45 Resp: 53016

Ion	Ratio	Lower	Upper
45	100		
46	37.7	14.3	57.3



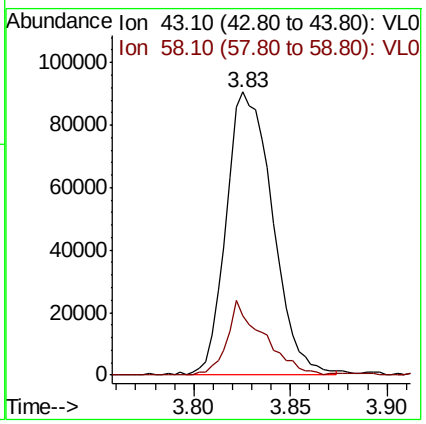


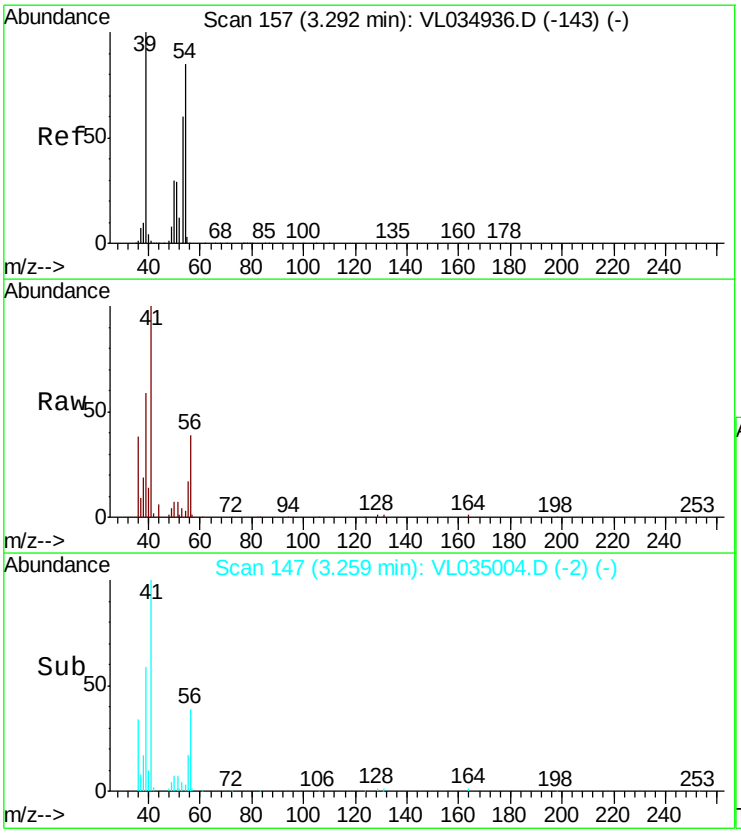
#15
Acetone
Concen: 1.121 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 43 Resp: 151113

Ion	Ratio	Lower	Upper
43	100		
58	21.3	21.7	32.5#

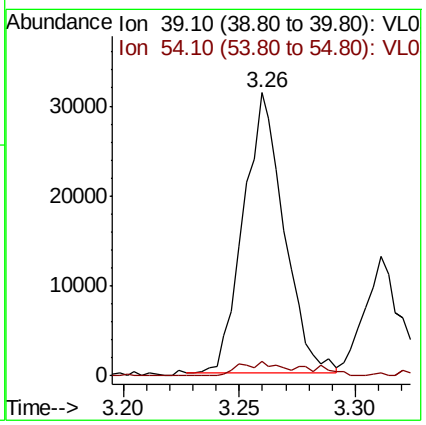


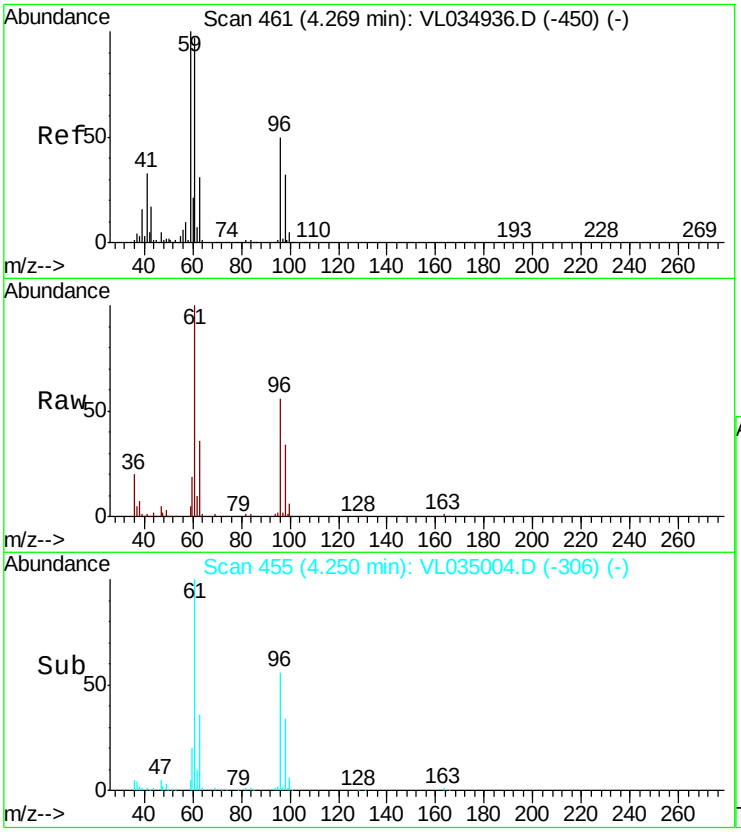


#16
1,3-Butadiene
Concen: 0.659 ppbv
RT: 3.26 min Scan# 147
Delta R.T. -0.03 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 39 Resp: 38220

Ion	Ratio	Lower	Upper
39	100		
54	7.8	66.6	100.0#



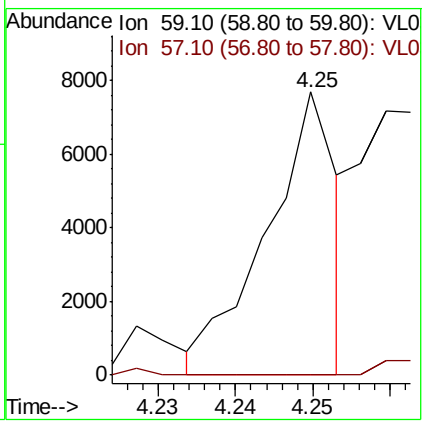


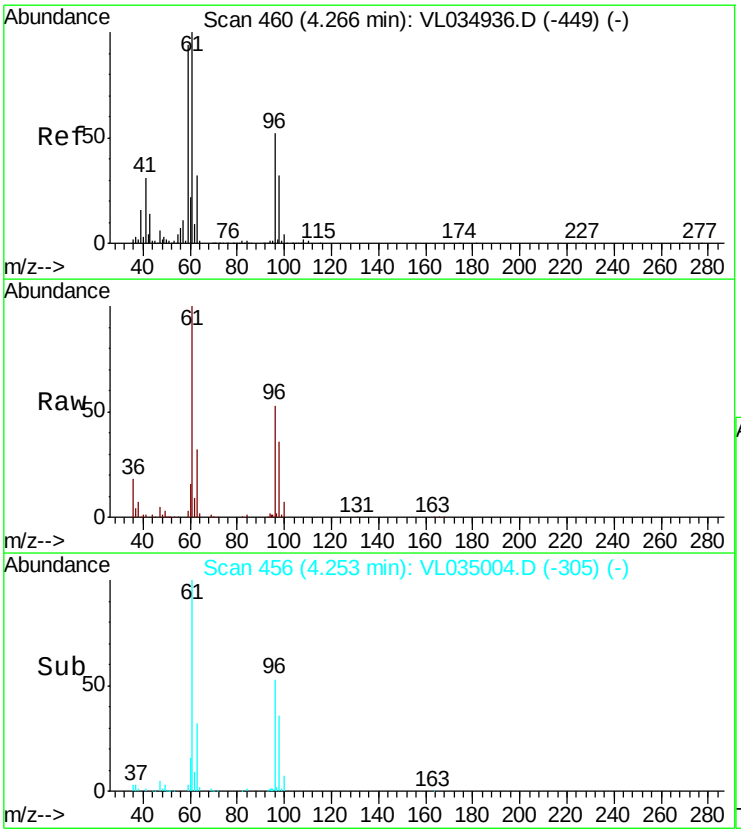
#17
tert-Butyl alcohol
Concen: 0.040 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.02 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Tgt Ion: 59 Resp: 4837

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

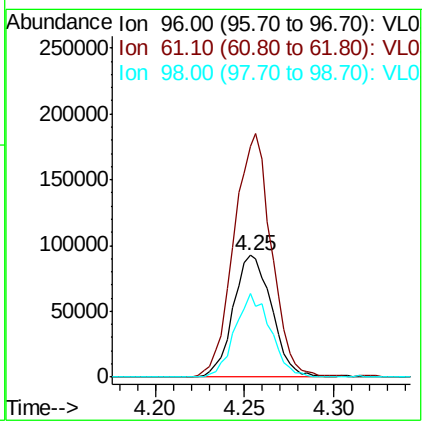


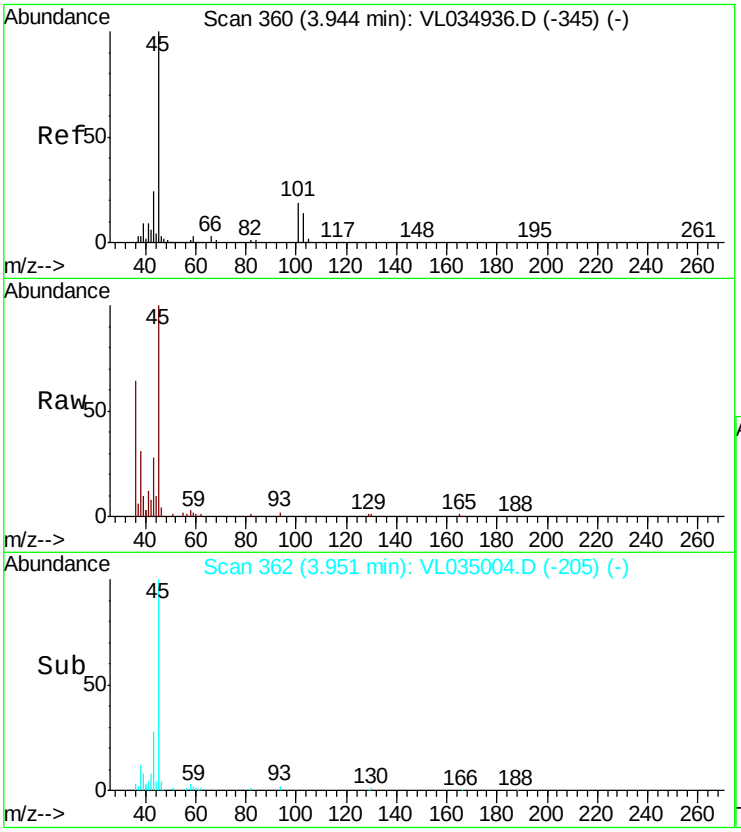


#18
1,1-Dichloroethene
Concen: 3.009 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 96 Resp: 138718

Ion	Ratio	Lower	Upper
96	100		
61	189.3	152.4	228.6
98	68.2	48.8	73.2



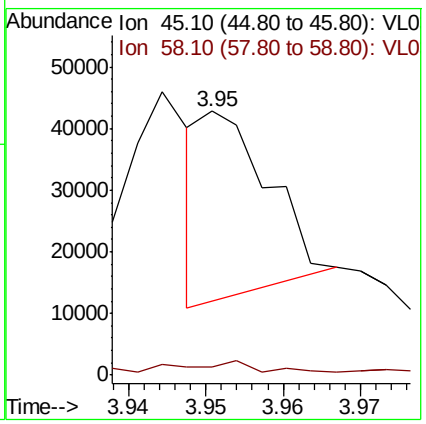


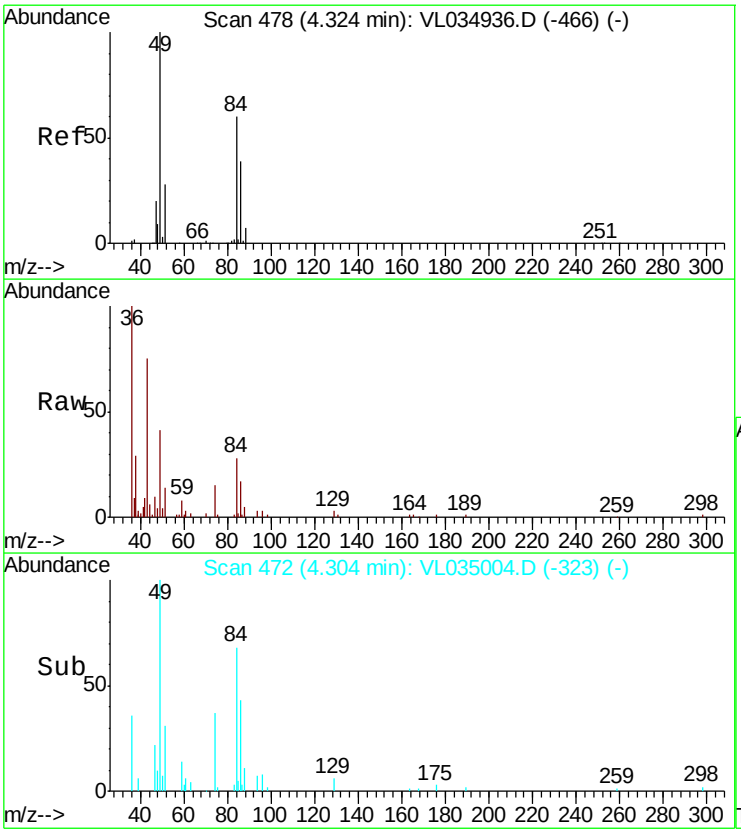
#19
Isopropyl Alcohol
Concen: 0.204 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Tgt Ion: 45 Resp: 18300

Ion	Ratio	Lower	Upper
45	100		
58	21.7	1.7	2.5#

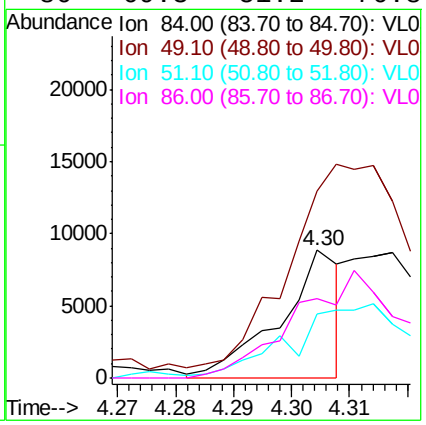


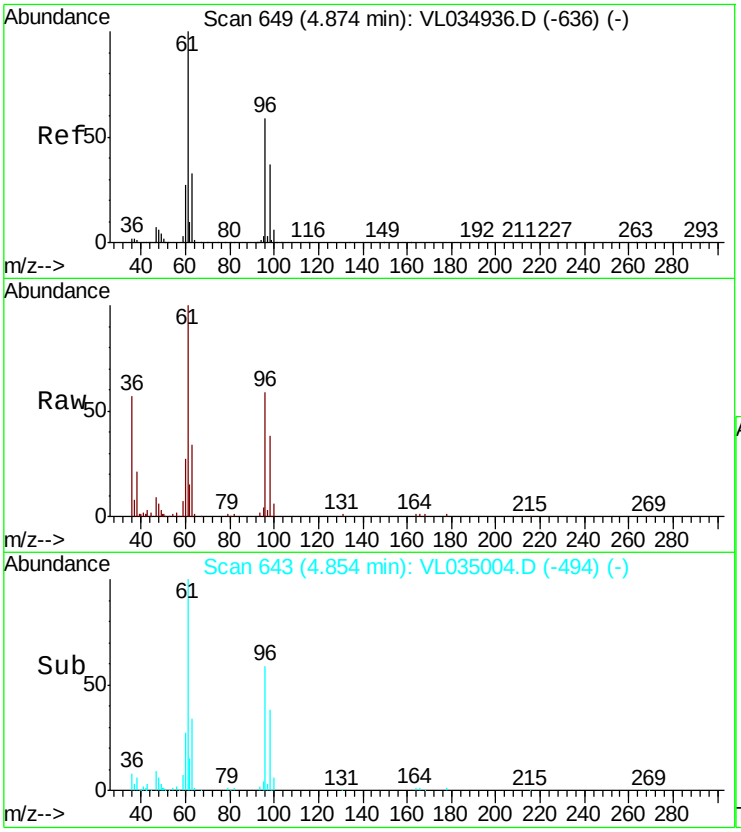


#20
Methylene Chloride
Concen: 0.142 ppbv
RT: 4.30 min Scan# 472
Delta R.T. -0.02 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 84 Resp: 6350

Ion	Ratio	Lower	Upper
84	100		
49	143.0	132.5	198.7
51	49.8	38.4	57.6
86	69.3	51.2	76.8



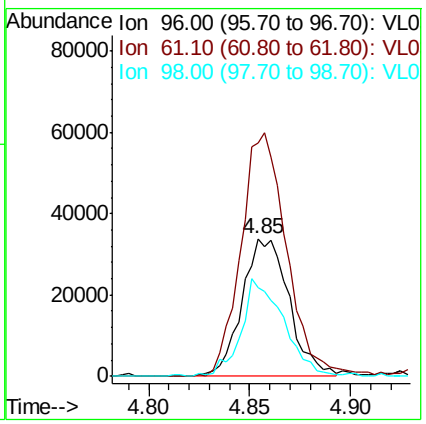


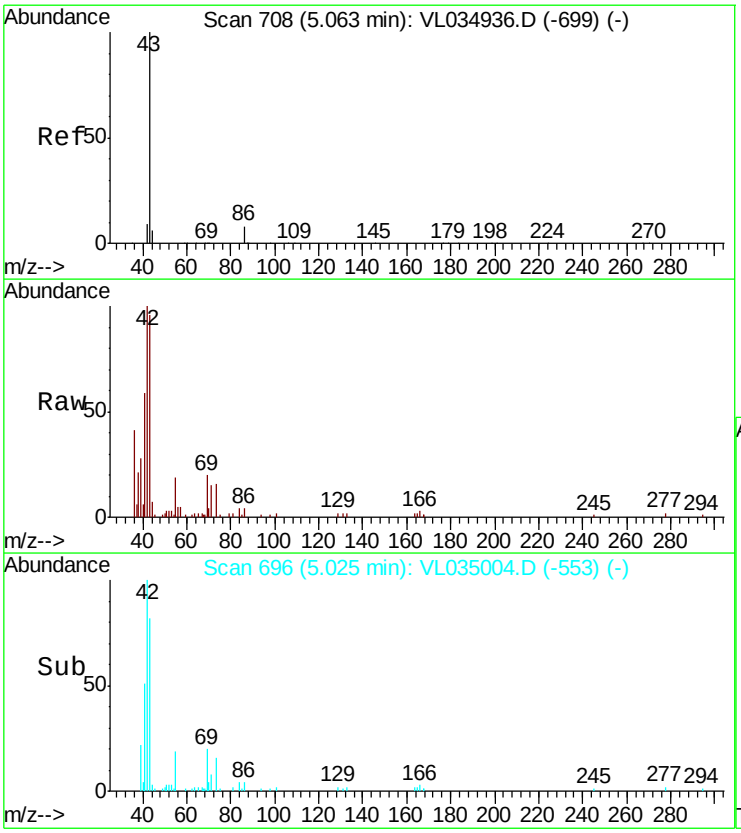
#22
trans-1,2-Dichloroethene
Concen: 1.205 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.02 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 96 Resp: 55011

Ion	Ratio	Lower	Upper
96	100		
61	169.8	135.3	202.9
98	64.7	50.4	75.6

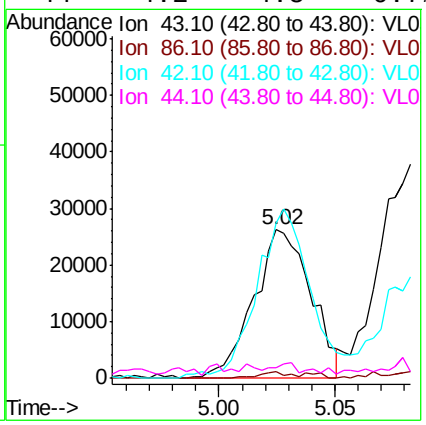


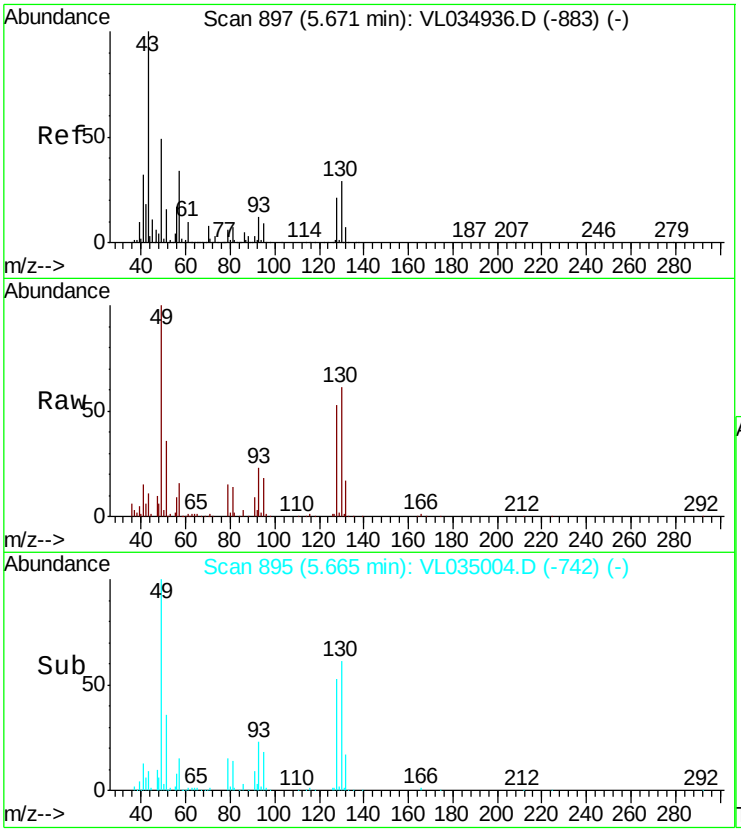


#23
Vinyl Acetate
Concen: 0.263 ppbv
RT: 5.02 min Scan# 696
Delta R.T. -0.04 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 43 Resp: 44914

Ion	Ratio	Lower	Upper
43	100		
86	4.0	5.5	8.3#
42	101.6	8.0	12.0#
44	4.2	4.5	6.7#



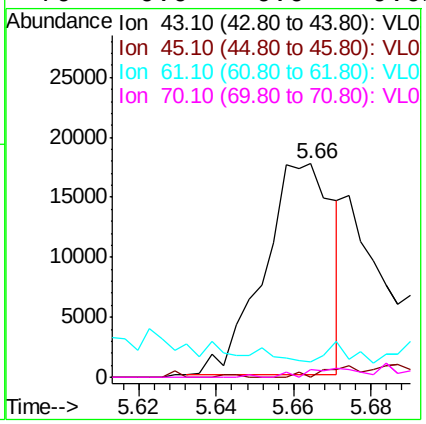


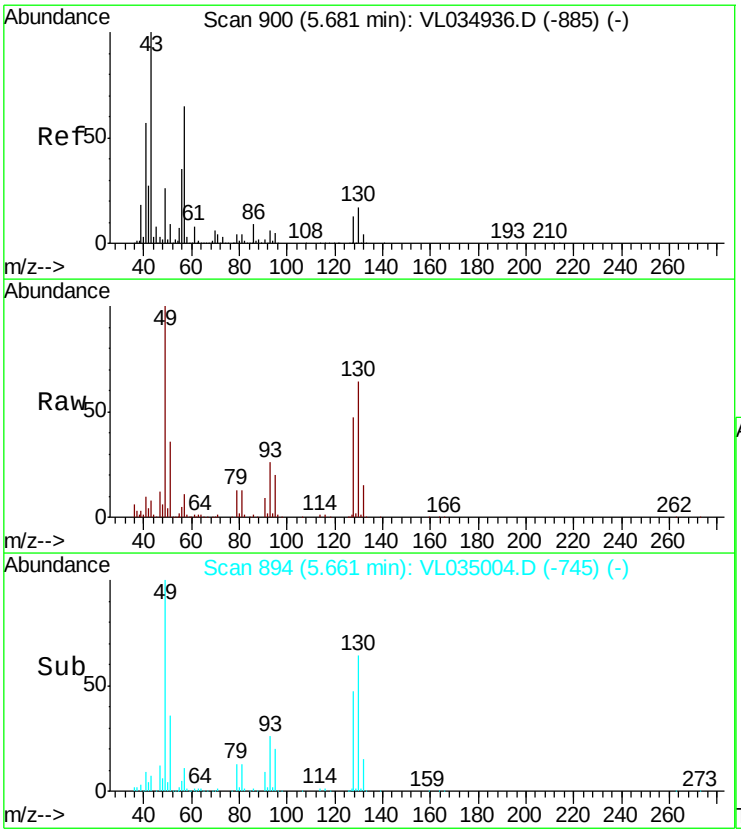
#25
Ethyl Acetate
Concen: 0.096 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Tgt Ion: 43 Resp: 21778

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	0.0	7.8	11.8#
70	0.0	6.0	9.0#

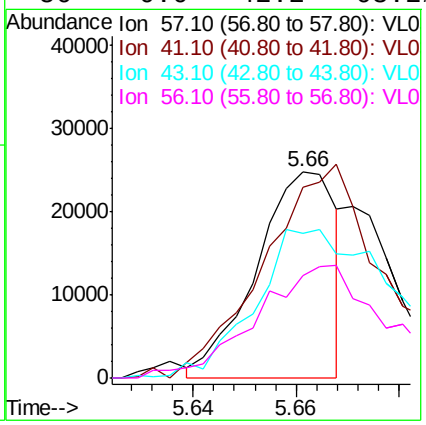


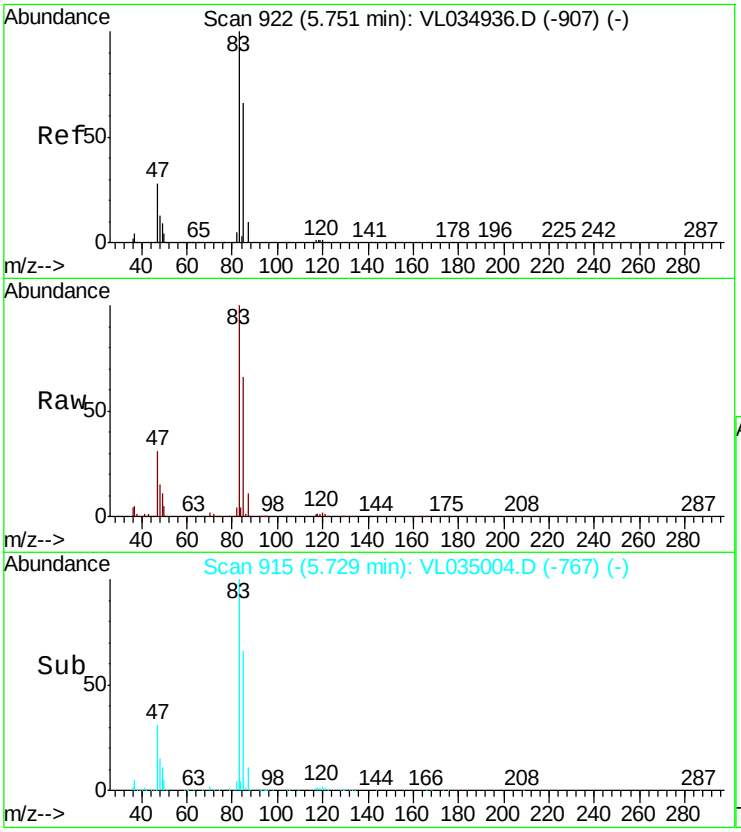


#26
Hexane
Concen: 0.270 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 57 Resp: 26515

Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.7	109.1#
43	0.0	182.1	273.1#
56	0.0	42.2	63.2#



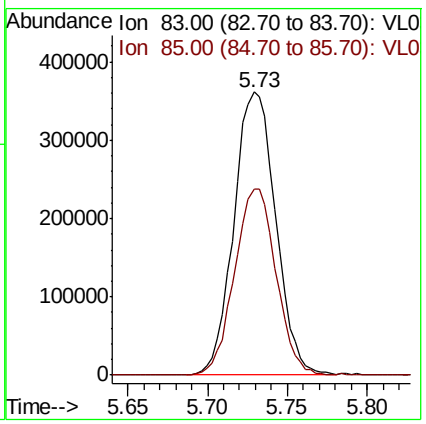


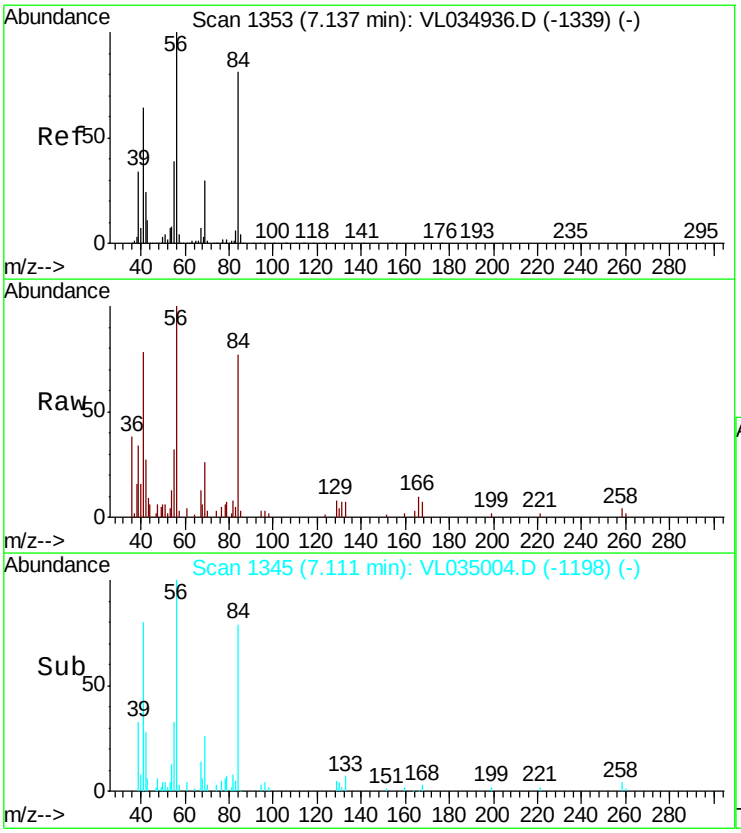
#29
Chloroform
Concen: 4.009 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.02 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 83 Resp: 644120

Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.0	79.6

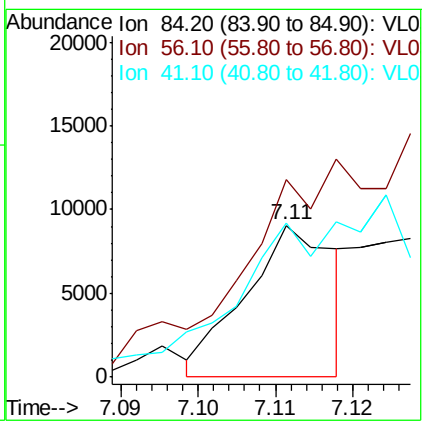


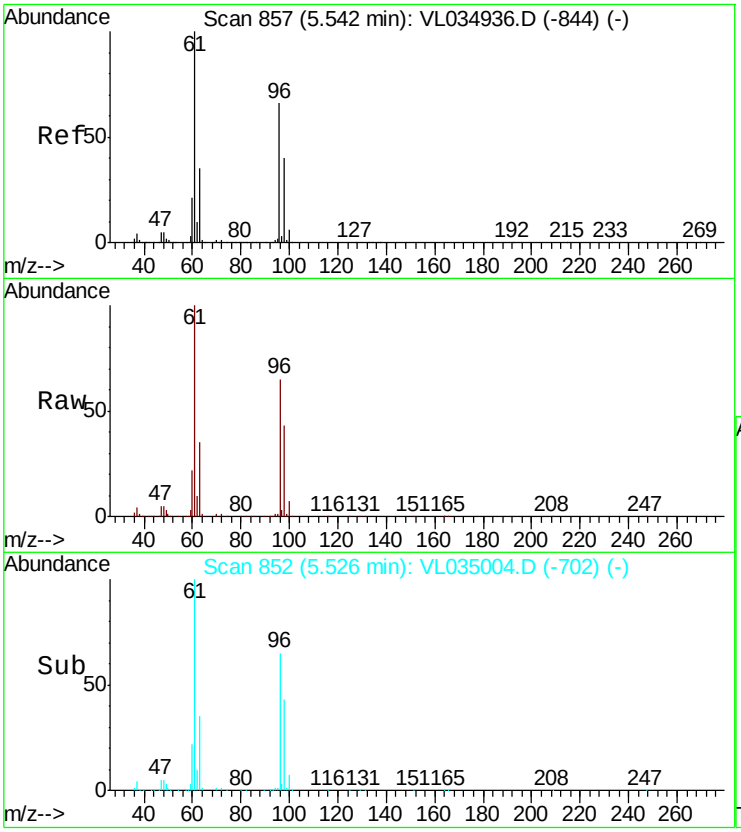


#30
Cyclohexane
Concen: 0.096 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.03 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 84 Resp: 7263

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.4	167.2#
41	0.0	66.7	100.1#



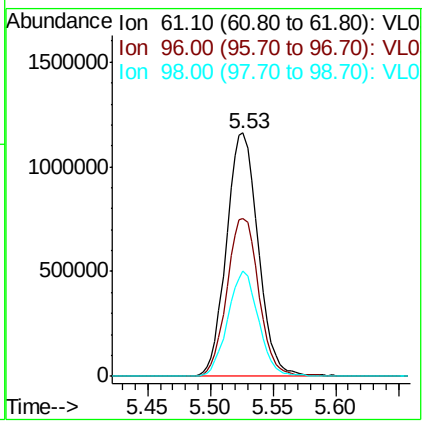


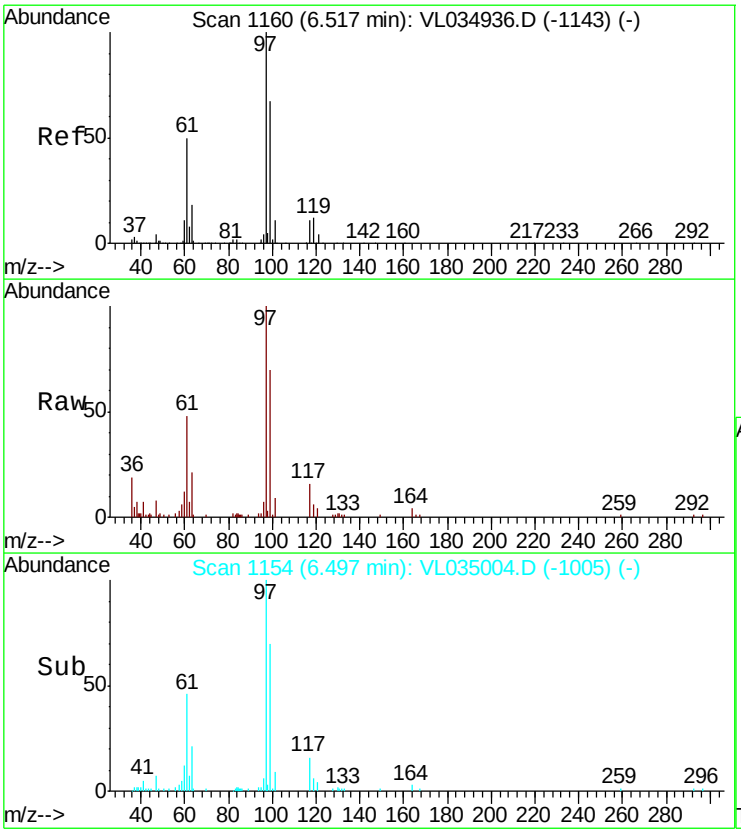
#31
cis-1,2-Dichloroethene
Concen: 21.380 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.02 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 61 Resp: 2048161

Ion	Ratio	Lower	Upper
61	100		
96	64.9	53.0	79.6
98	43.4	32.2	48.2

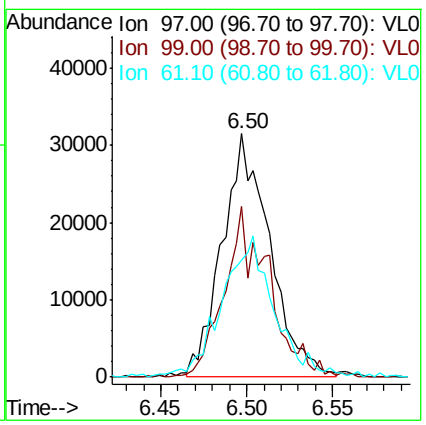


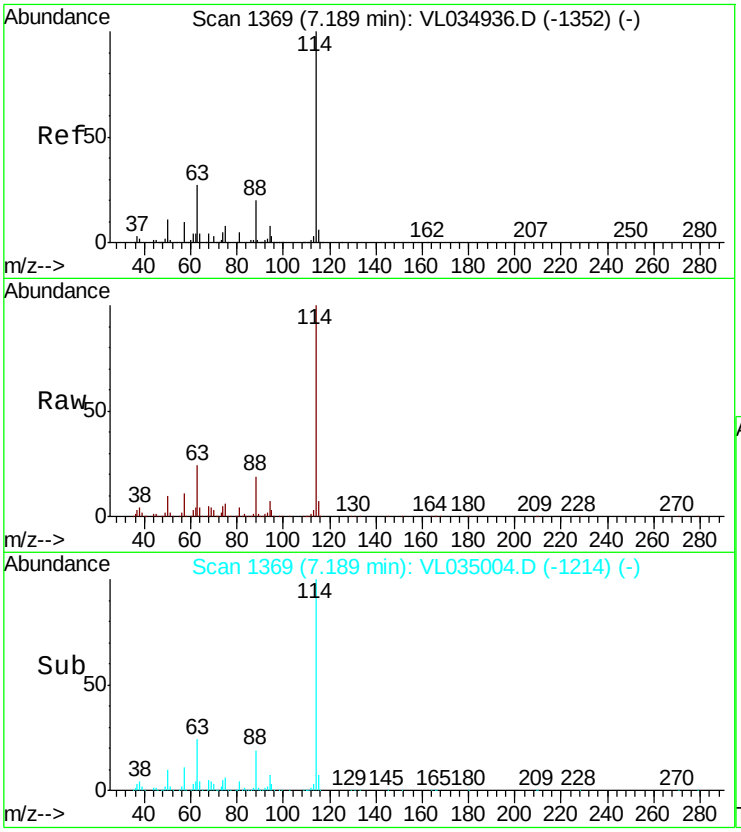


#32
1,1,1-Trichloroethane
Concen: 0.419 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 97 Resp: 60731

Ion	Ratio	Lower	Upper
97	100		
99	66.2	52.1	78.1
61	64.2	41.8	62.8#



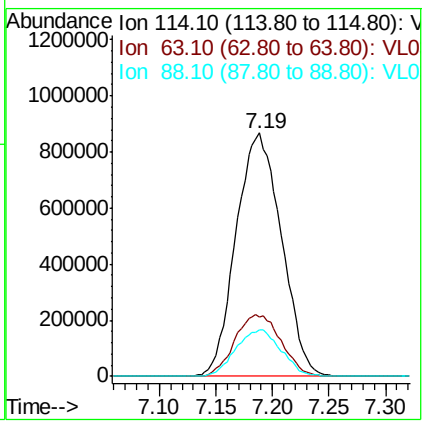


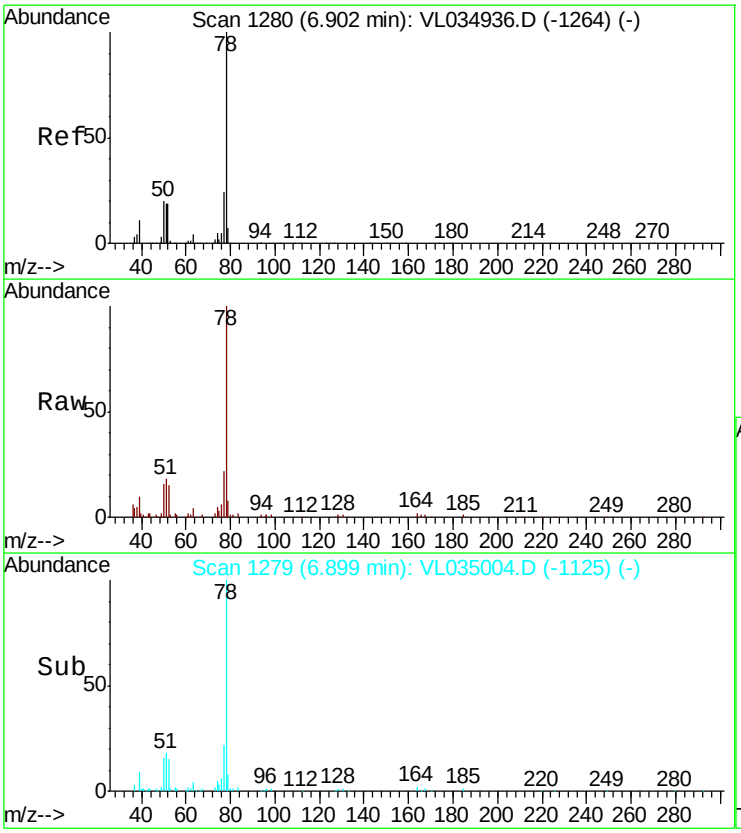
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion:114 Resp: 2413586

Ion	Ratio	Lower	Upper
114	100		
63	25.9	22.2	33.4
88	19.1	15.5	23.3

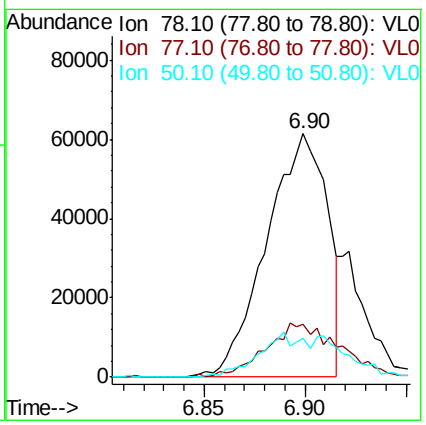


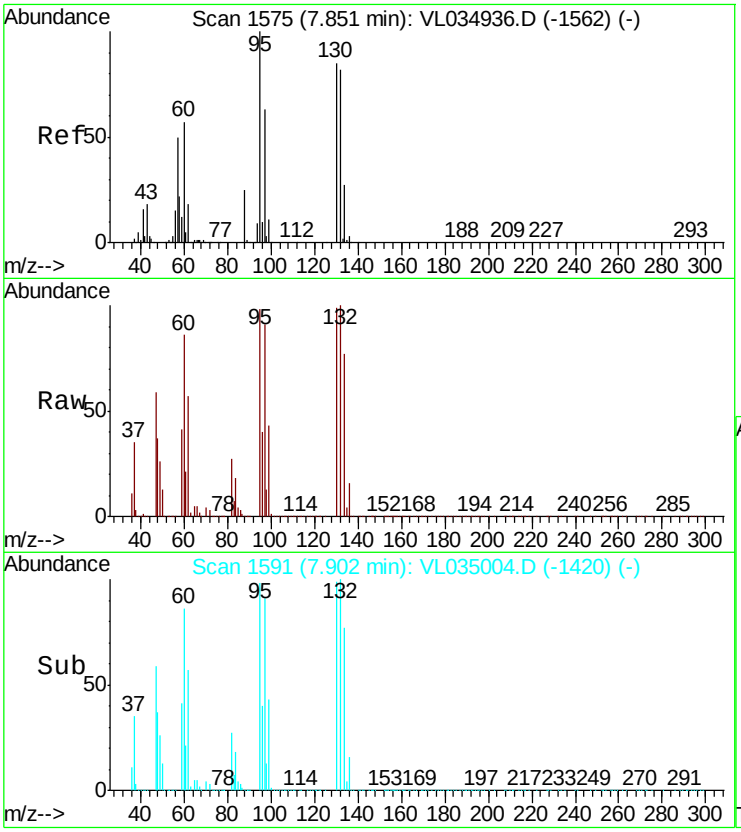


#36
Benzene
Concen: 0.642 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.00 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 78 Resp: 127798

Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.0	28.6
50	16.0	15.8	23.8



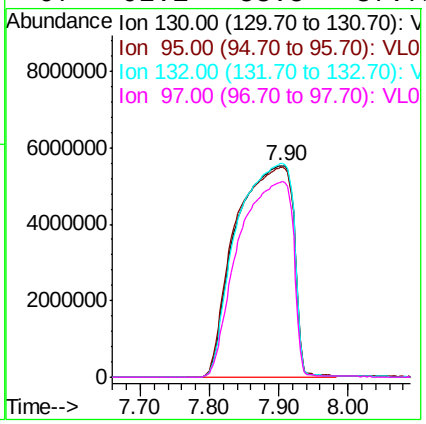


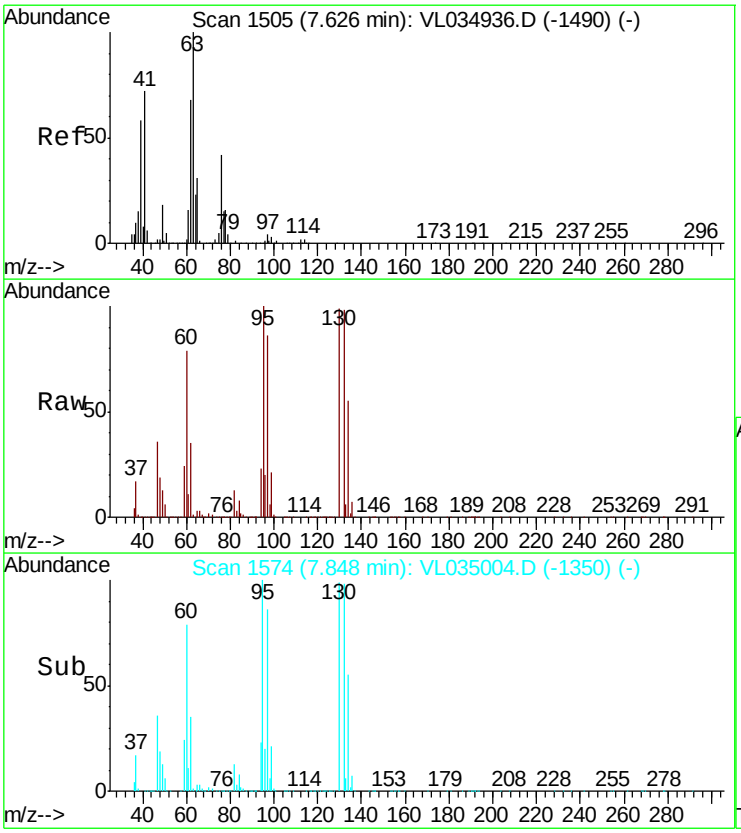
#38
Trichloroethene
Concen: 413.044 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. 0.05 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Tgt Ion:130 Resp:31841684

Ion	Ratio	Lower	Upper
130	100		
95	99.1	93.4	140.0
132	100.9	76.4	114.6
97	92.1	58.5	87.7#

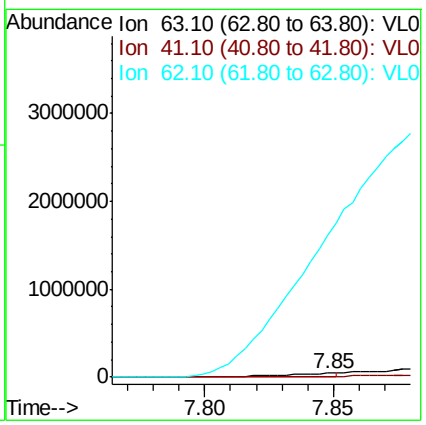


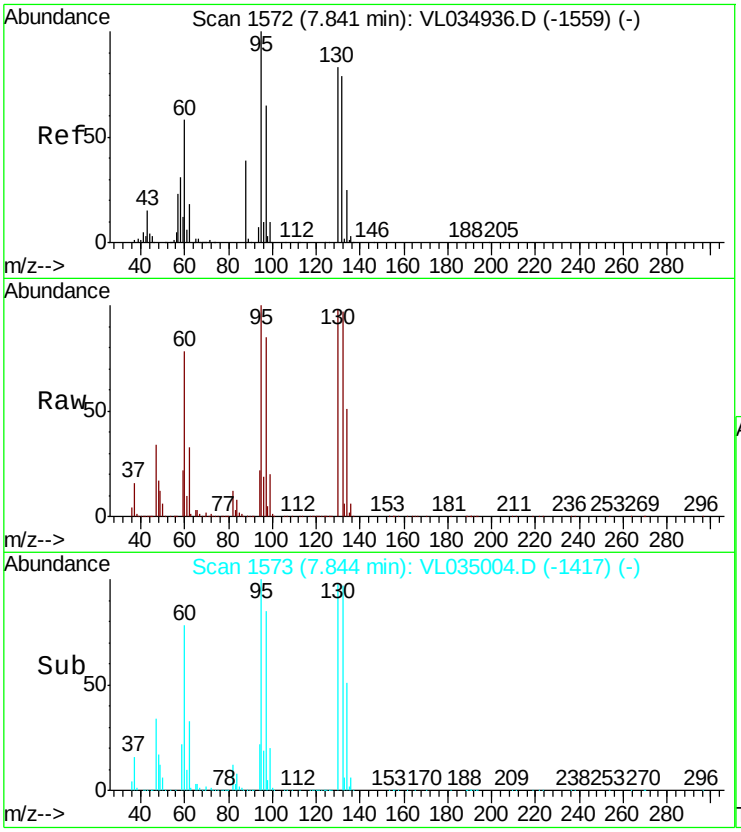


#39
1,2-Dichloropropane
Concen: 0.825 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.22 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 63 Resp: 65813

Ion	Ratio	Lower	Upper
63	100		
41	10.7	57.8	86.8#
62	3472.9	54.2	81.2#



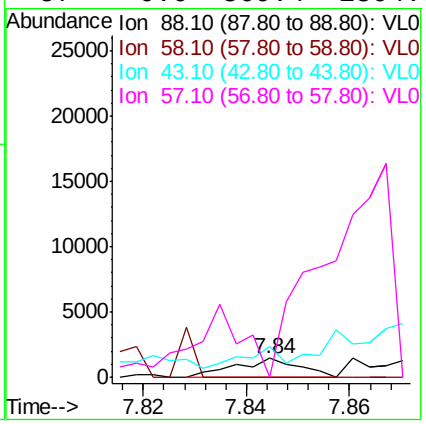


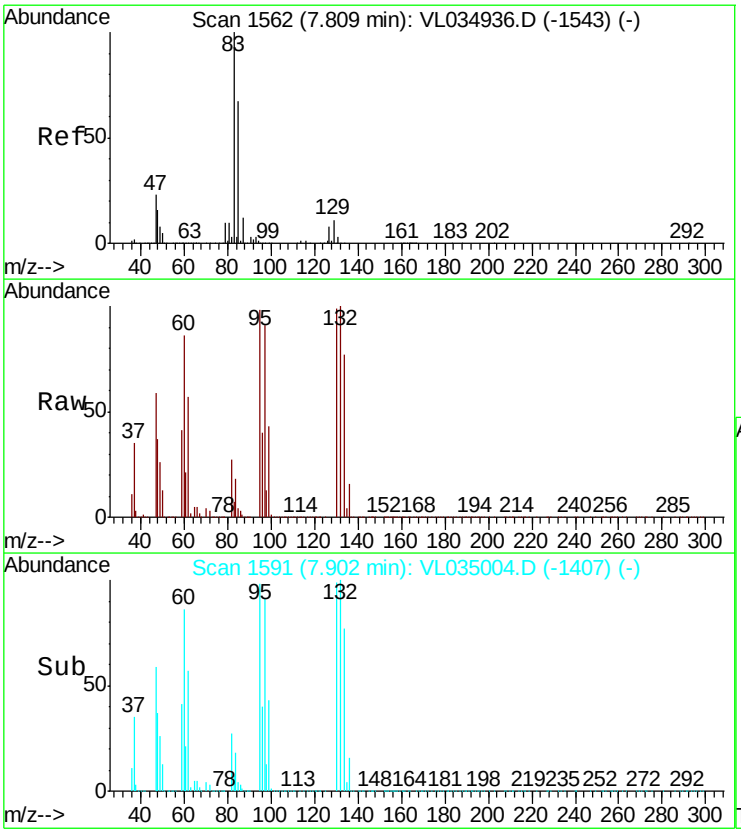
#40
1,4-Dioxane
Concen: 0.039 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Tgt Ion: 88 Resp: 1265

Ion	Ratio	Lower	Upper
88	100		
58	0.0	105.1	157.7#
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#

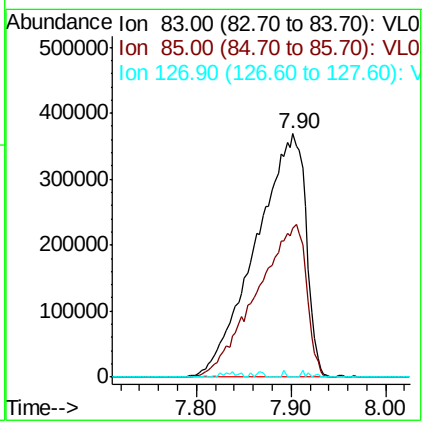


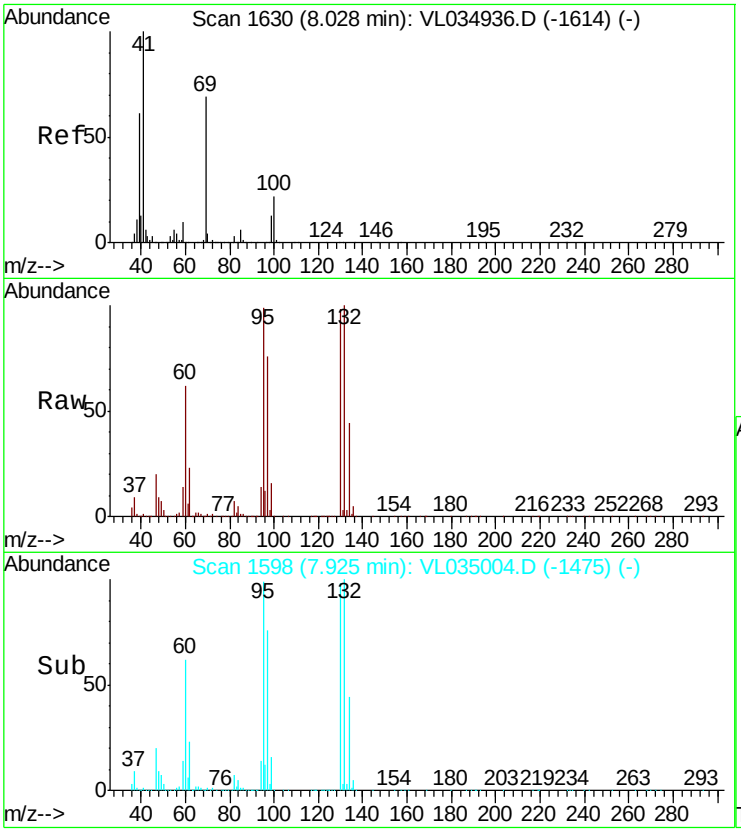


#42
Bromodichloromethane
Concen: 8.155 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. 0.09 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 83 Resp: 1350017

Ion	Ratio	Lower	Upper
83	100		
85	61.1	53.4	80.0
127	0.0	6.1	9.1#



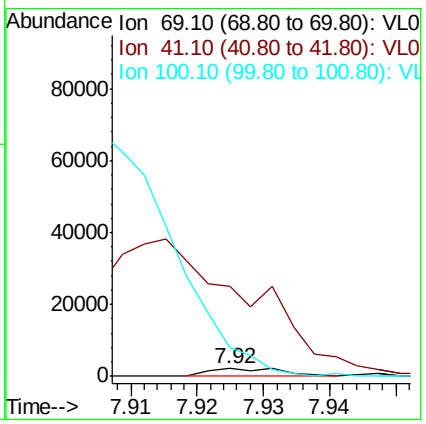


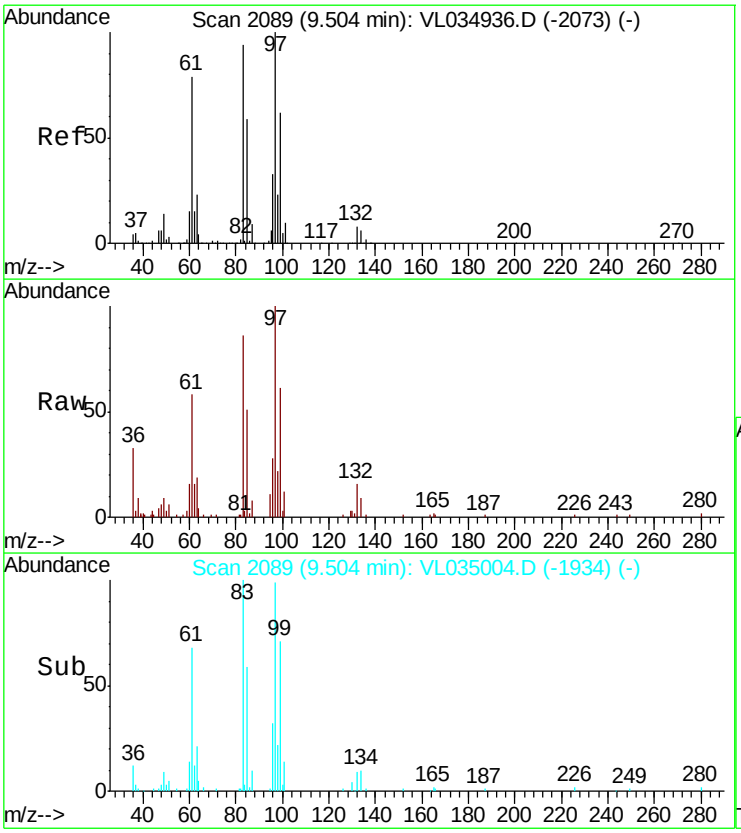
#43
Methyl Methacrylate
Concen: 0.020 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. -0.10 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Tgt Ion: 69 Resp: 1710

Ion	Ratio	Lower	Upper
69	100		
41	8300.1	119.8	179.6#
100	14591.7	25.0	37.6#

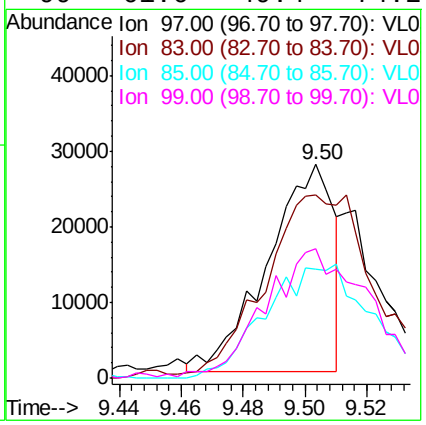


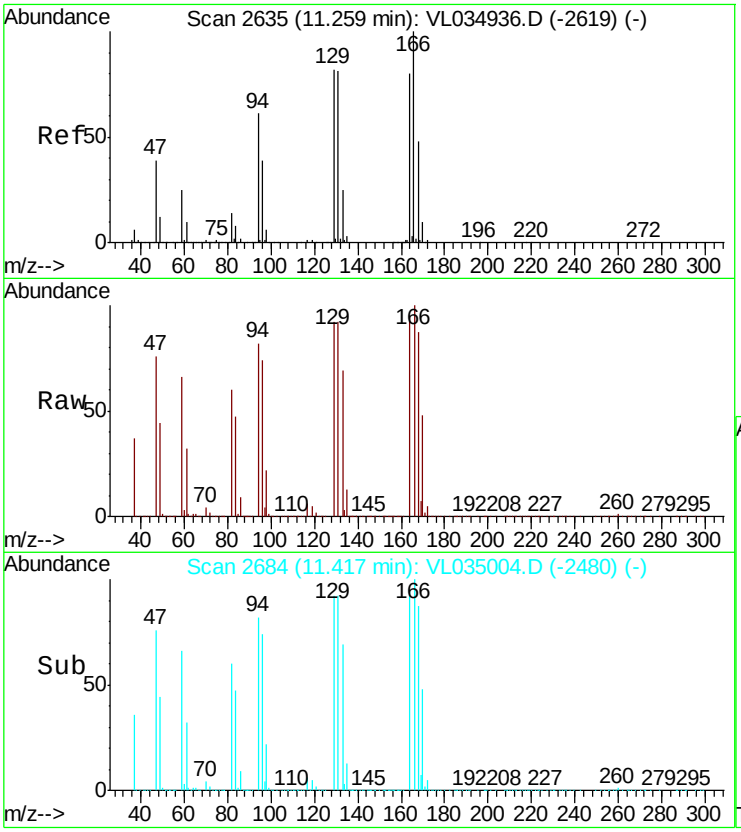


#47
1,1,2-Trichloroethane
Concen: 0.483 ppbv
RT: 9.50 min Scan# 2089
Delta R.T. -0.00 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 97 Resp: 40654

Ion	Ratio	Lower	Upper
97	100		
83	88.8	75.6	113.4
85	54.4	47.0	70.6
99	61.6	49.4	74.2



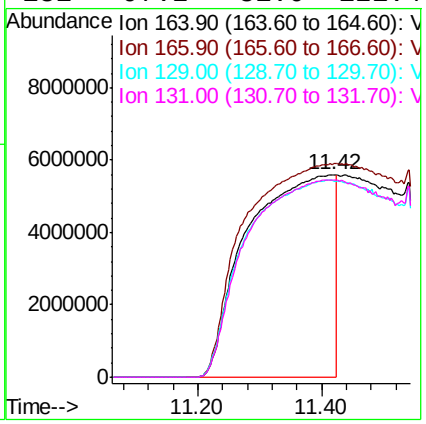


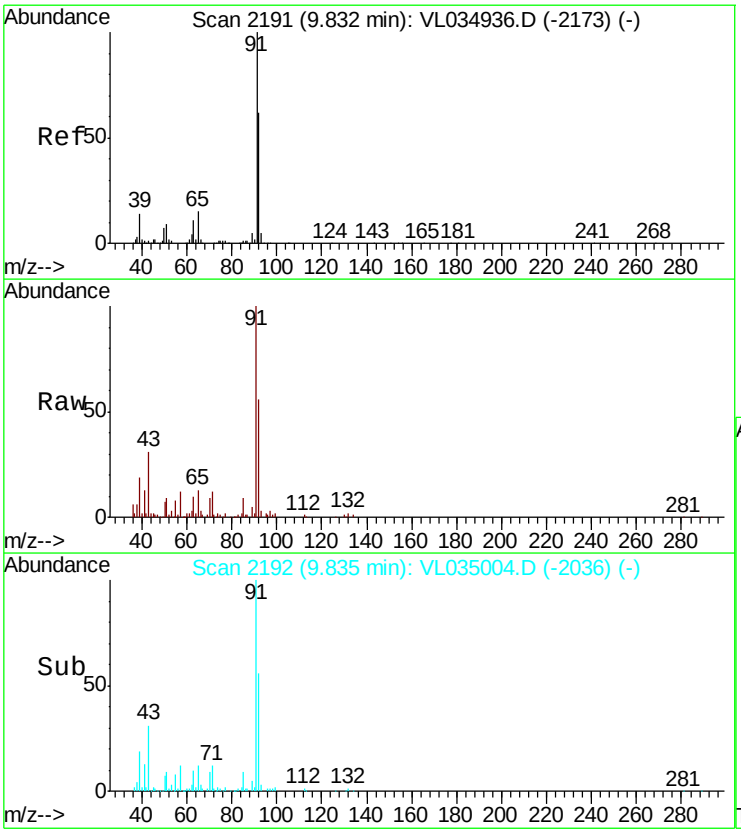
#52
Tetrachloroethene
Concen: 752.669 ppbv
RT: 11.42 min Scan# 2684
Delta R.T. 0.16 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Tgt Ion:164 Resp:53256828

Ion	Ratio	Lower	Upper
164	100		
166	105.3	100.7	151.1
129	97.1	83.0	124.4
131	97.2	81.0	121.4

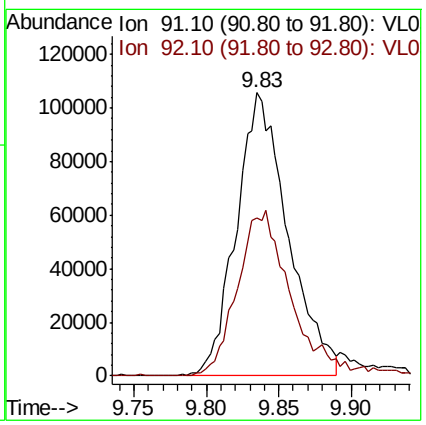


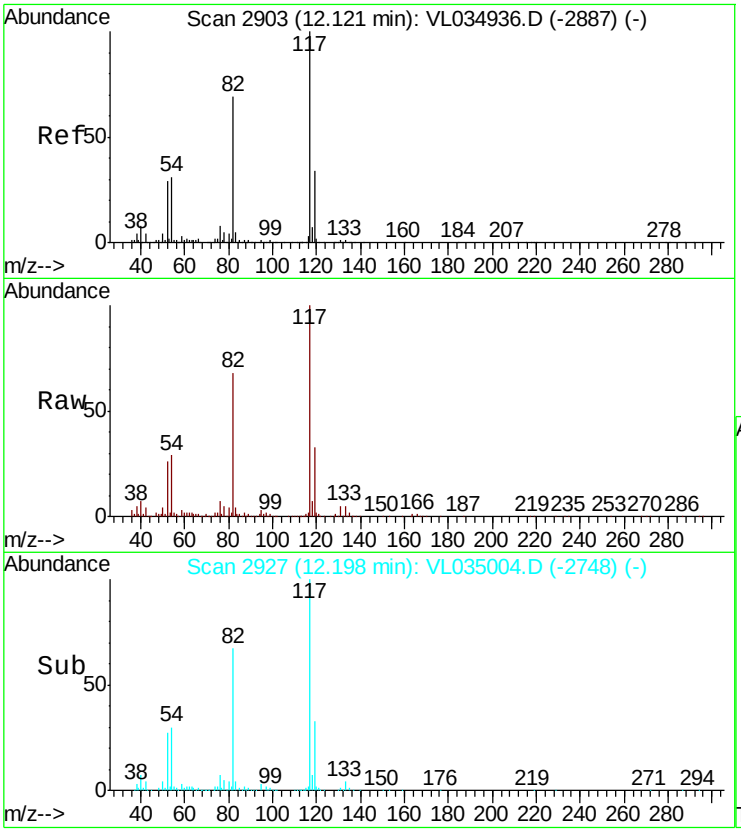


#53
Toluene
Concen: 1.239 ppbv
RT: 9.83 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 91 Resp: 261390

Ion	Ratio	Lower	Upper
91	100		
92	62.2	48.6	73.0



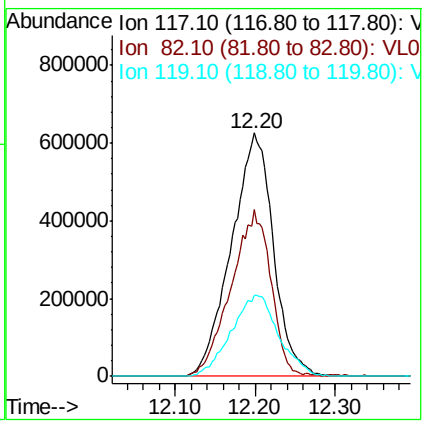


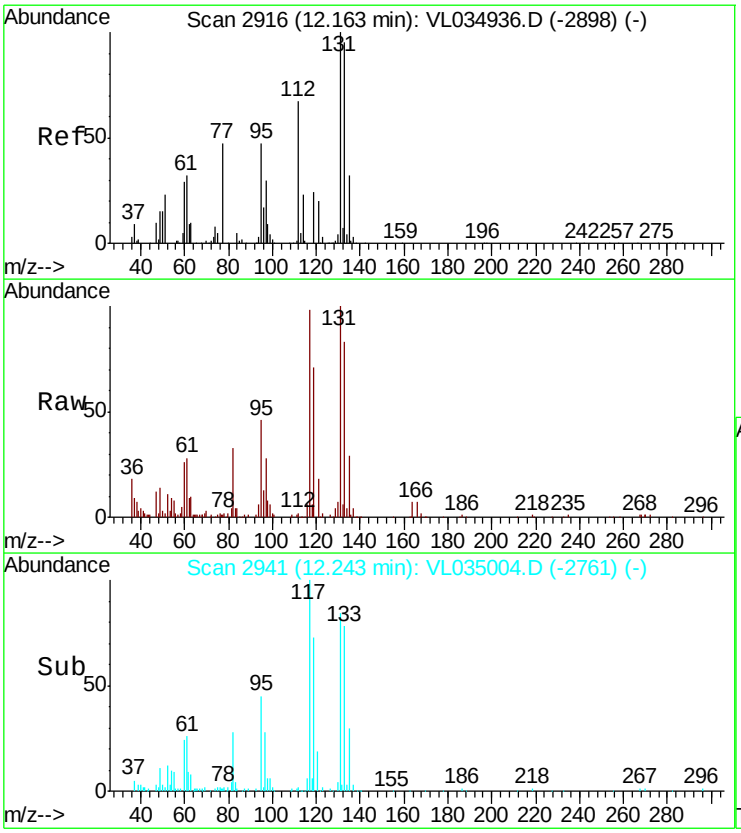
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. 0.08 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Tgt Ion:117 Resp: 2223924

Ion	Ratio	Lower	Upper
117	100		
82	65.0	53.1	79.7
119	38.1	26.7	40.1

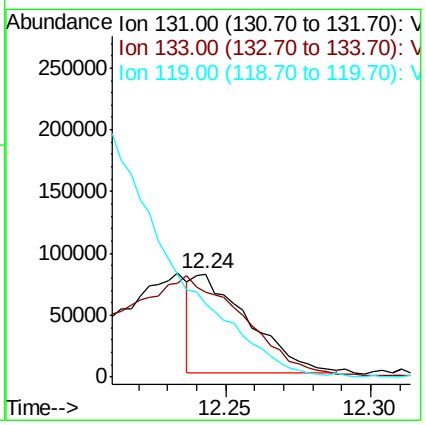


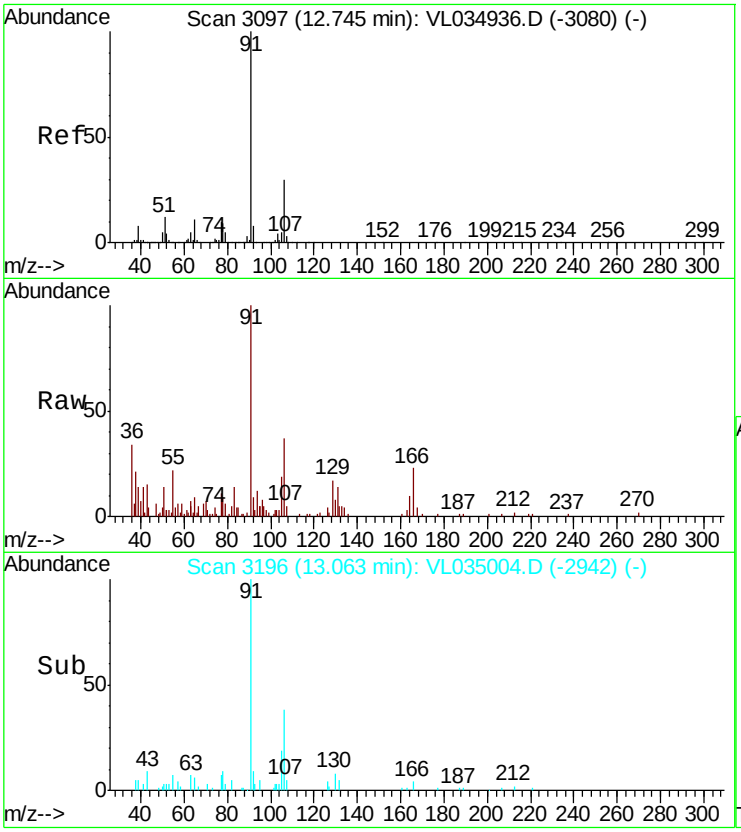


#56
1,1,1,2-Tetrachloroethane
Concen: 1.067 ppbv
RT: 12.24 min Scan# 2941
Delta R.T. 0.08 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion:131 Resp: 106978

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.7	116.5#
119	0.0	49.8	74.6#



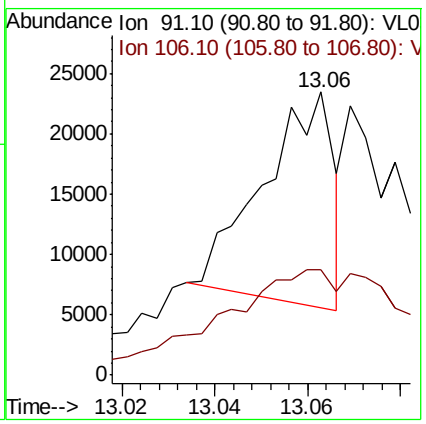


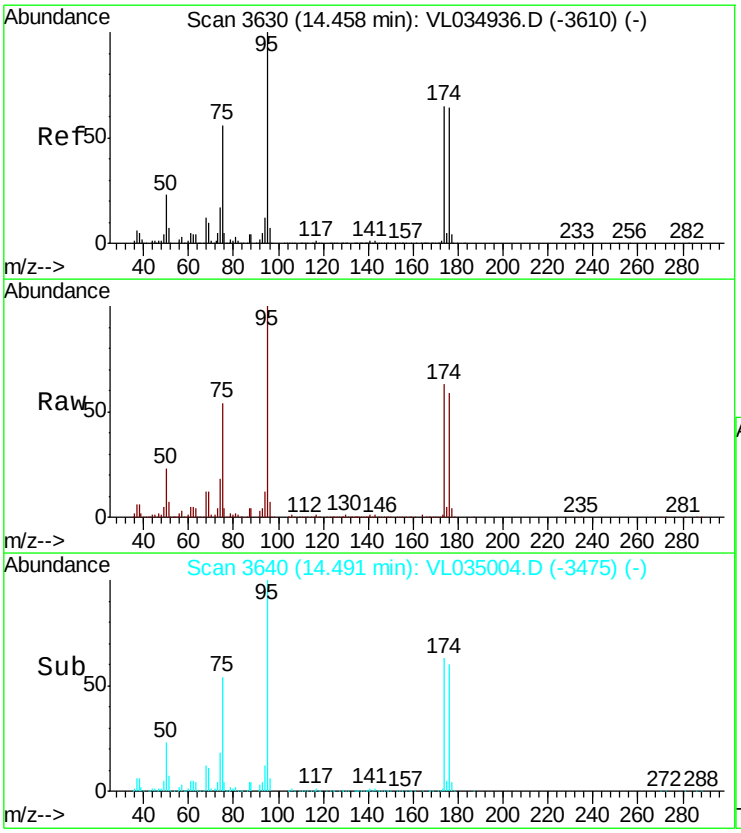
#58
Ethyl Benzene
Concen: 0.067 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. 0.32 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Instrument : MSVOA_L
ClientSampleId : SG-4DL

Tgt Ion: 91 Resp: 18408

Ion	Ratio	Lower	Upper
91	100		
106	34.4	24.2	36.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.498 ppbv
RT: 14.49 min Scan# 3640
Delta R.T. 0.03 min
Lab File: VL035004.D
Acq: 13 May 2020 2:07

Tgt Ion: 95 Resp: 1709769

Ion	Ratio	Lower	Upper
95	100		
174	63.8	51.5	77.3
175	4.8	3.8	5.8