Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL082320\
Data File : VL035501.D
Acq On : 23 Aug 2020 16:40
Operator : SY/AP
Sample : L3510-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : E053-1100

Quant Time: Aug 24 02:04:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSun Aug 23 12:40:32 2020
QLast Update : Sun Aug 23 12:40:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	912439	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	4049359	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	4011966	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2988348	10.42	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.20%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.99	51	4230	0.041	ppbv	#	90
4) Chloromethane	3.13	50	4520	0.085	ppbv	#	77
6) Bromomethane	3.47	94	2399438	41.360	ppbv		100
13) Ethanol	3.62	45	4106	0.357	ppbv		78
15) Acetone	3.87	43	37457	0.388	ppbv	#	86
17) tert-Butyl alcohol	4.29	59	128788	1.030	ppbv	#	73
18) 1,1-Dichloroethene	4.29	96	2546937	31.861	ppbv		99
20) Methylene Chloride	4.35	84	61644	0.588	ppbv		95
25) Ethyl Acetate	5.70	43	16240	0.087	ppbv	#	73
26) Hexane	5.69	57	25932	0.230	ppbv	#	51
27) Carbon Disulfide	4.56	76	6358	0.042	ppbv	#	15
29) Chloroform	5.75	83	4747125	22.104	ppbv		92
34) 2-Butanone	5.28	43	16478	0.139	ppbv		96
36) Benzene	6.90	78	17321	0.065	ppbv	#	94
38) Trichloroethene	7.85	130	4960770	33.710	ppbv		97
39) 1,2-Dichloropropane	7.84	63	15415	0.174	ppbv	#	1
42) Bromodichloromethane	7.80	83	7694040	37.385	ppbv	#	89
47) 1,1,2-Trichloroethane	9.49	97	3735584	28.033	ppbv		97
48) Dibromochloromethane	10.32	129	6341304	29.893	ppbv		96
49) Bromoform	13.06	173	8034	0.041	ppbv		96
57) Chlorobenzene	12.17	112	11511	0.038	ppbv	#	91
58) Ethyl Benzene	12.73	91	8810805	20.455	ppbv	#	84
59) m/p-Xylene	12.73	91	8810805	24.032	ppbv	#	84
70) n-Butylbenzene	18.58	91	18736	0.030	ppbv	#	92
75) 1,3-Dichlorobenzene	17.17	146	10150328	29.043	ppbv		90
76) 1,4-Dichlorobenzene	17.17	146	10150328	29.011	ppbv		88
77) 1,2-Dichlorobenzene	17.85	146	10010722	29.039	ppbv		90
78) Hexachloro-1,3-Butadiene	23.41	225	30664	0.128	ppbv	#	36
79) Naphthalene	22.24	128	60603	0.103	ppbv		98
80) Naphthalene,2-methyl-	25.00	142	41552	0.177	ppbv		98
81) 1,2,4-Trichlorobenzene	21.97	180	27591	0.080	ppbv	#	16

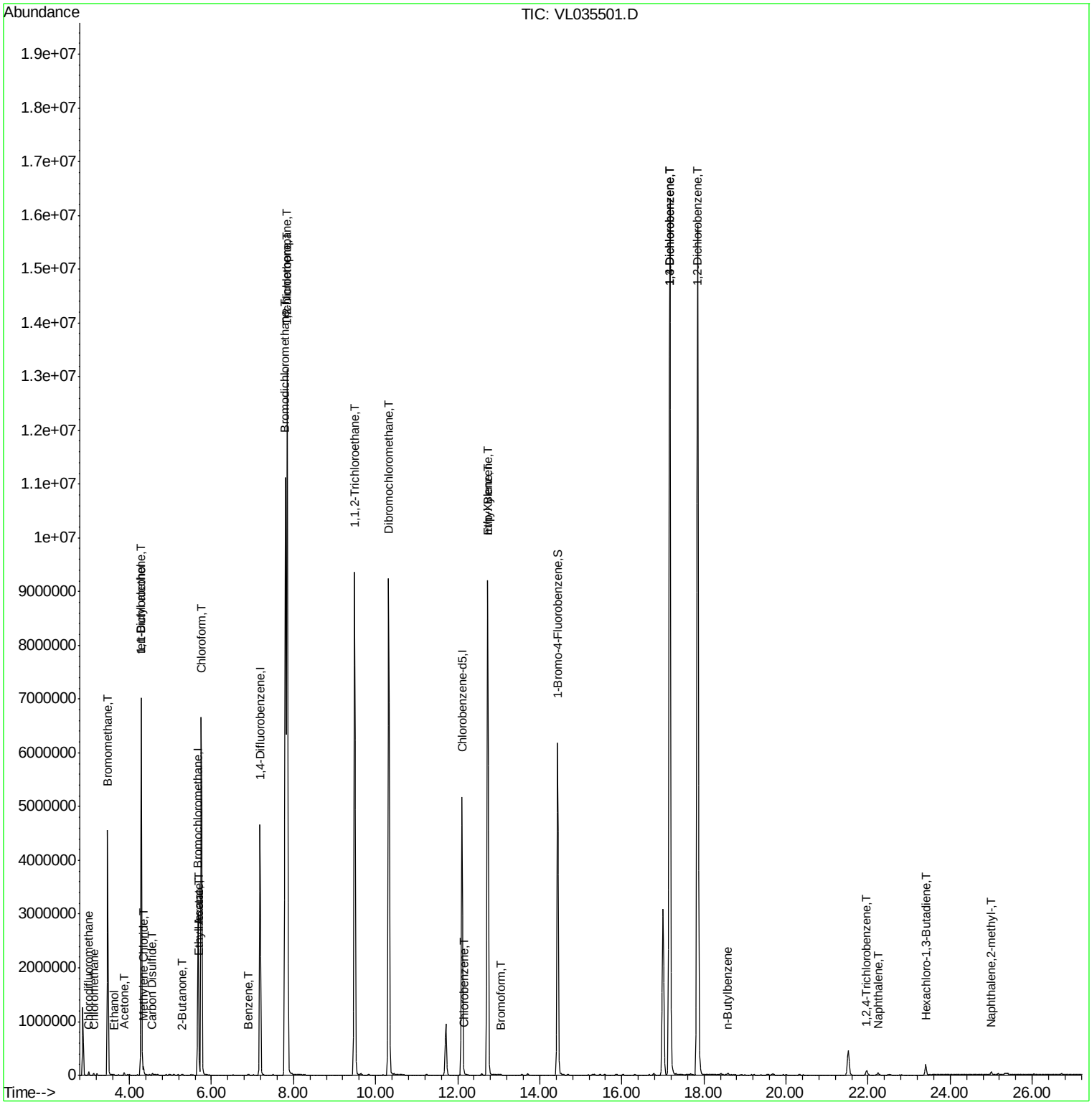
(#) = qualifier out of range (m) = manual integration (+) = signals summed

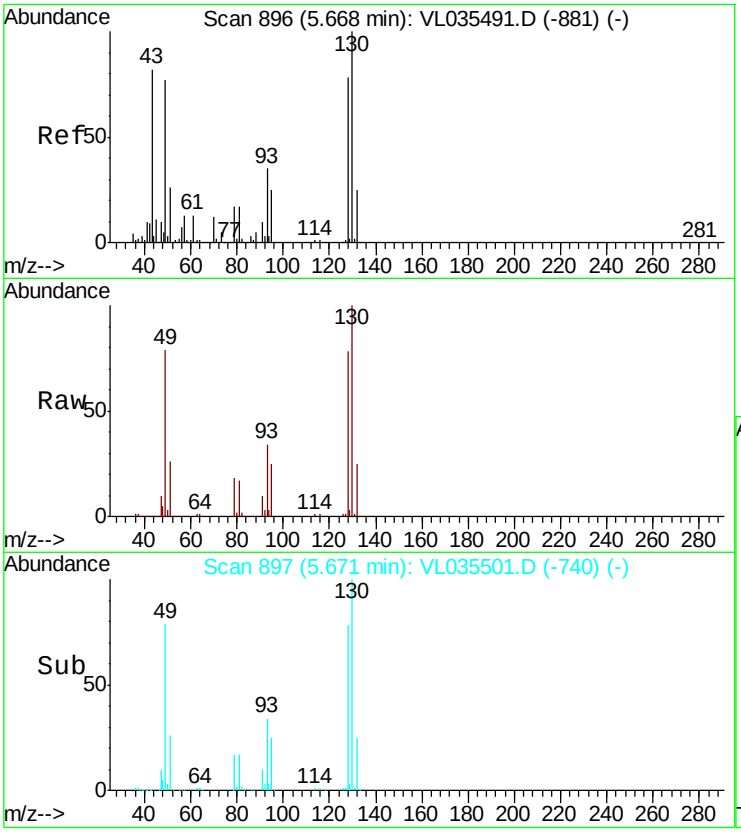
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL082320\
Data File : VL035501.D
Acq On : 23 Aug 2020 16:40
Operator : SY/AP
Sample : L3510-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : E053-1100

Quant Time: Aug 24 02:04:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSun Aug 23 12:40:32 2020
QLast Update : Sun Aug 23 12:40:32 2020
Response via : Initial Calibration



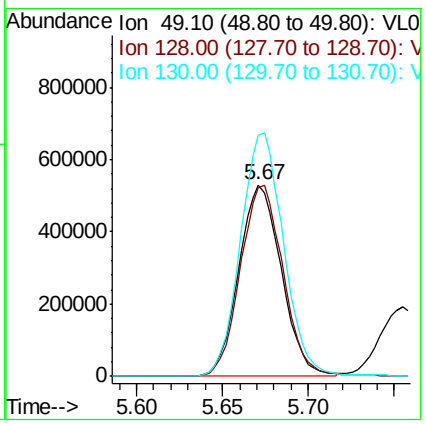


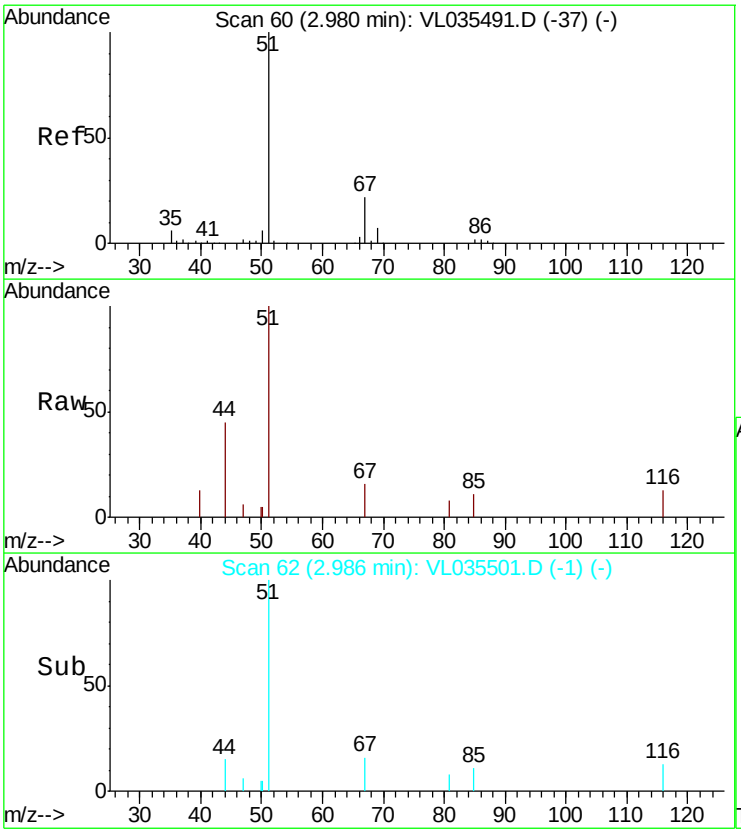
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion: 49 Resp: 912439

Ion	Ratio	Lower	Upper
49	100		
128	101.1	51.6	154.9
130	129.3	66.1	198.4

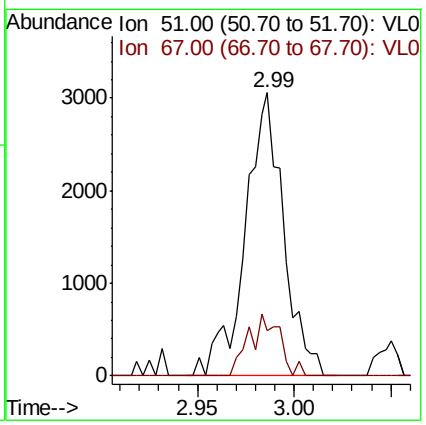


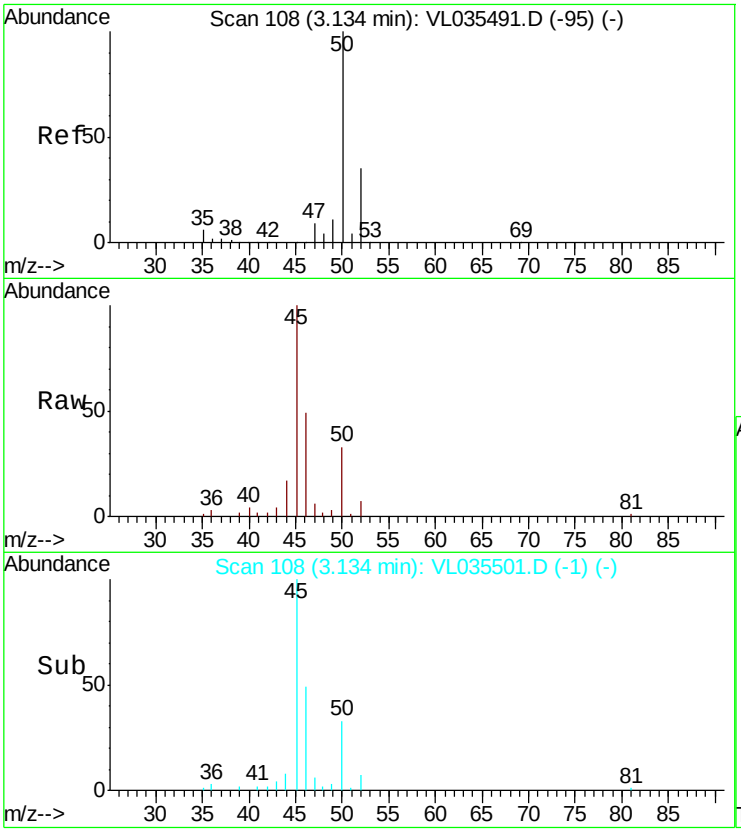


#3
Chlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 51 Resp: 4230

Ion	Ratio	Lower	Upper
51	100		
67	17.5	17.9	26.9#



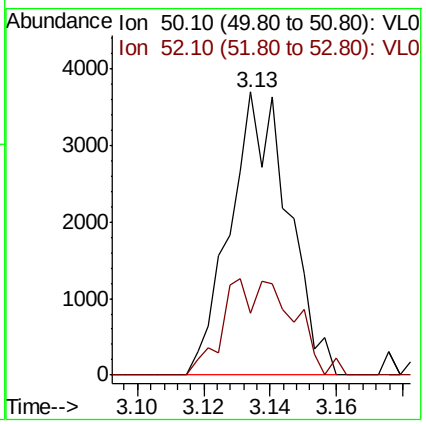


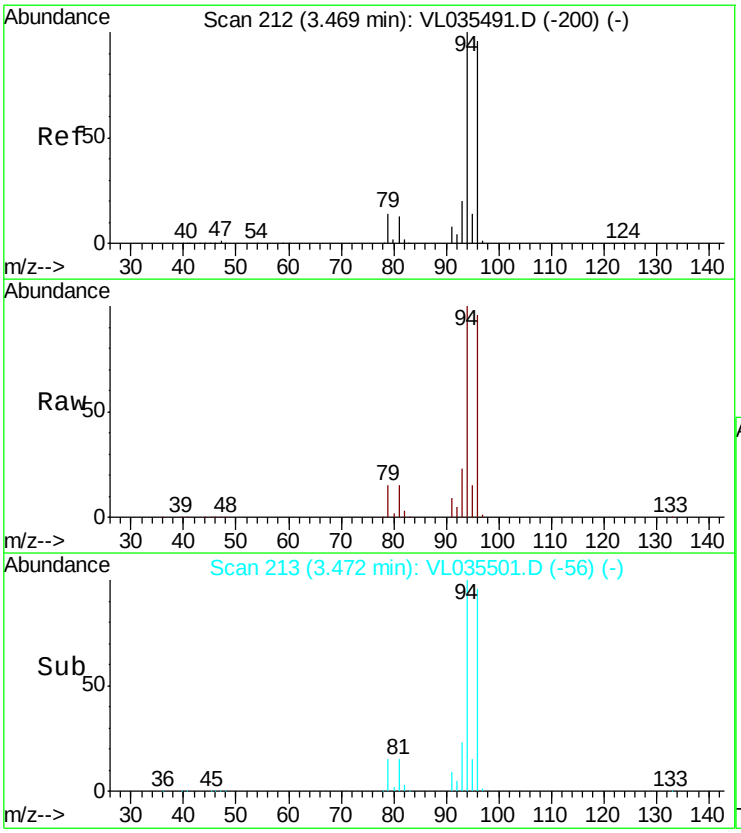
#4
Chloromethane
Concen: 0.085 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion: 50 Resp: 4520

Ion	Ratio	Lower	Upper
50	100		
52	21.9	28.2	42.2#

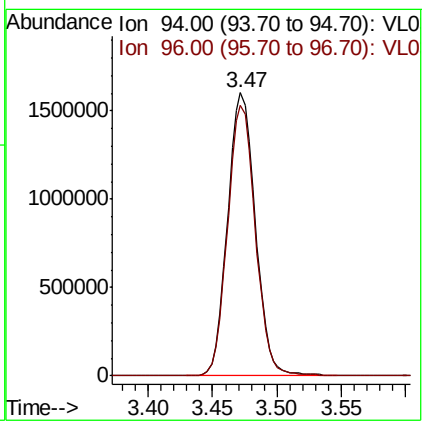


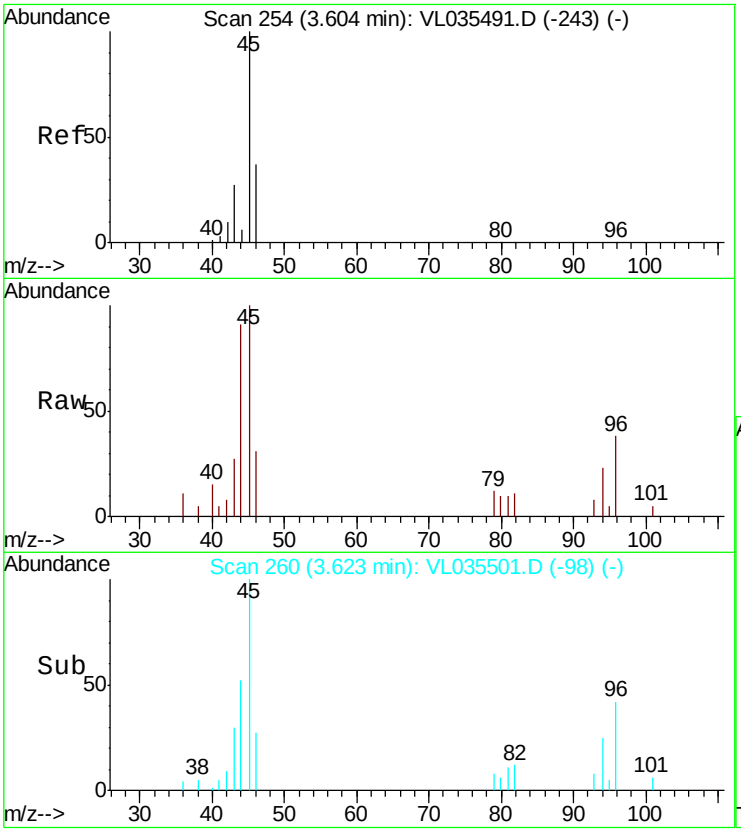


#6
Bromomethane
Concen: 41.360 ppbv
RT: 3.47 min Scan# 213
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 94 Resp: 2399438

Ion	Ratio	Lower	Upper
94	100		
96	95.8	76.6	115.0



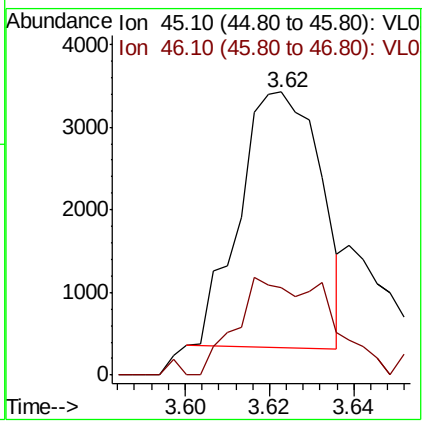


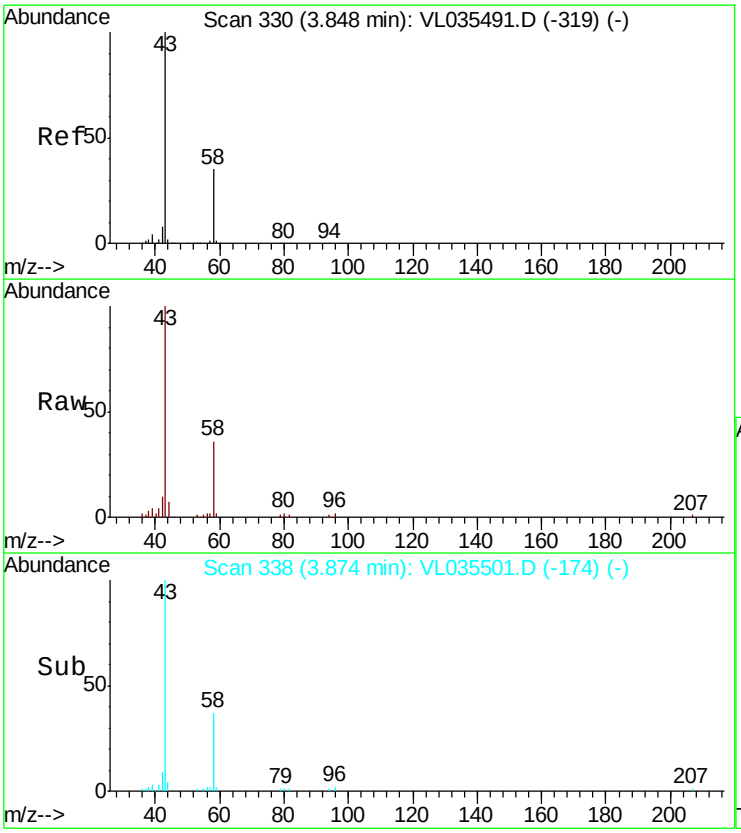
#13
Ethanol
Concen: 0.357 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.02 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion: 45 Resp: 4106

Ion	Ratio	Lower	Upper
45	100		
46	48.7	14.4	57.6

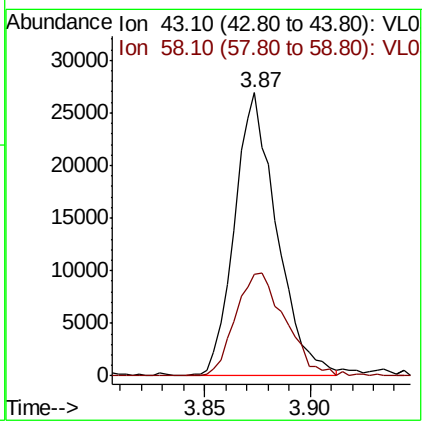


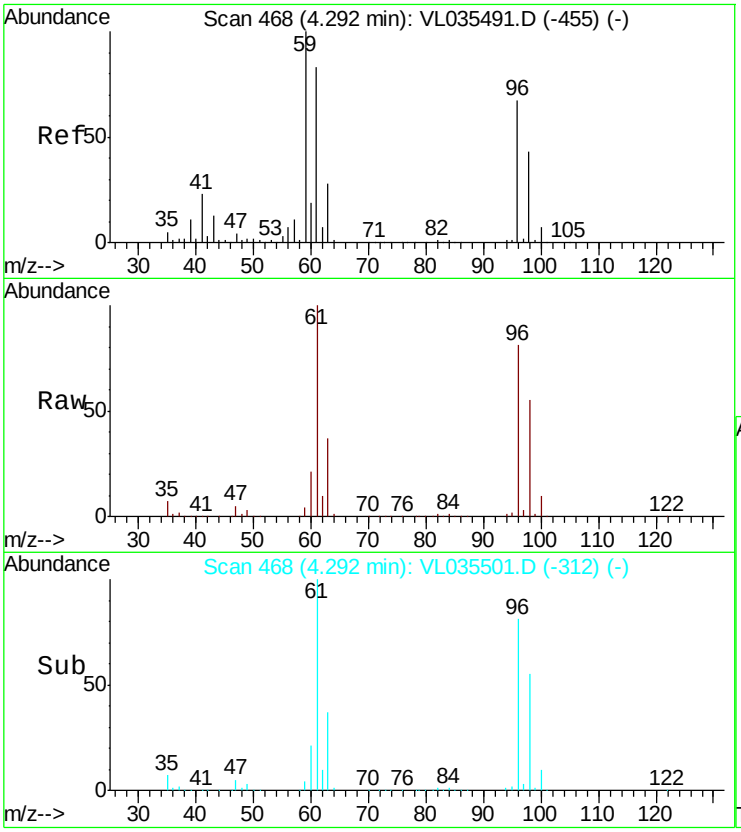


#15
Acetone
Concen: 0.388 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 43 Resp: 37457

Ion	Ratio	Lower	Upper
43	100		
58	42.7	27.8	41.6#



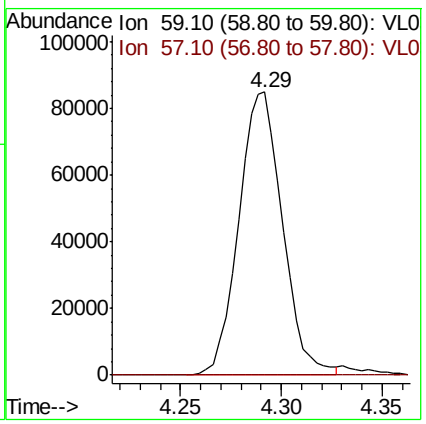


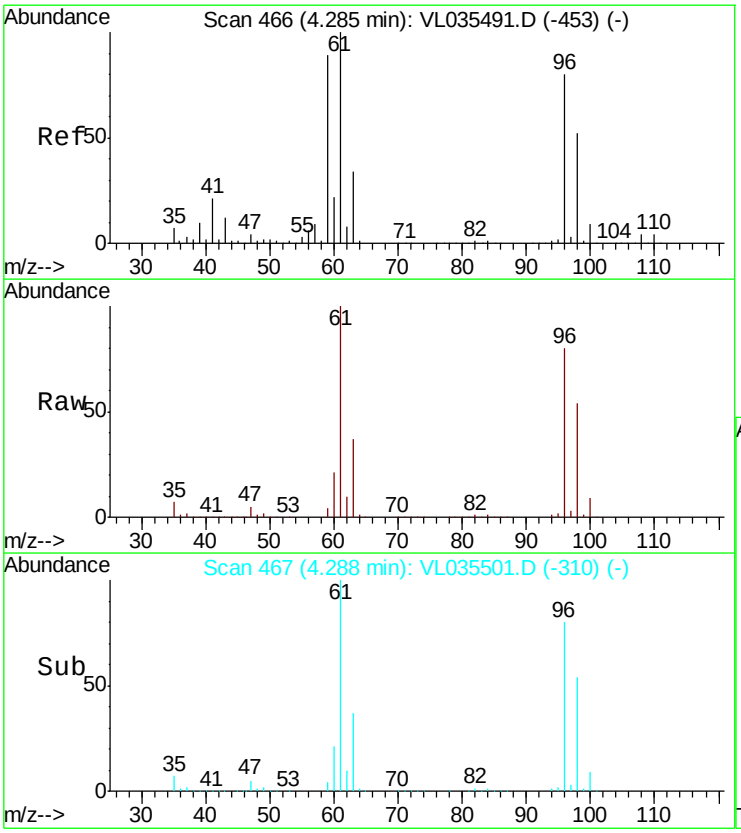
#17
tert-Butyl alcohol
Concen: 1.030 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion: 59 Resp: 128788

Ion	Ratio	Lower	Upper
59	100		
57	0.2	8.4	12.6#

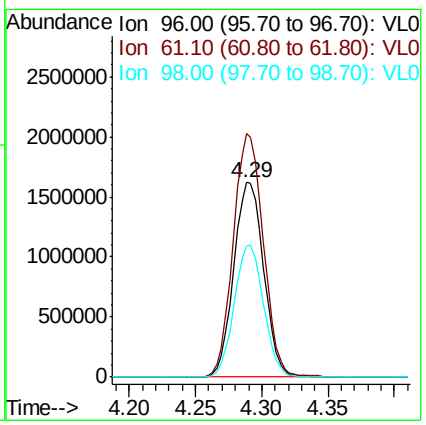


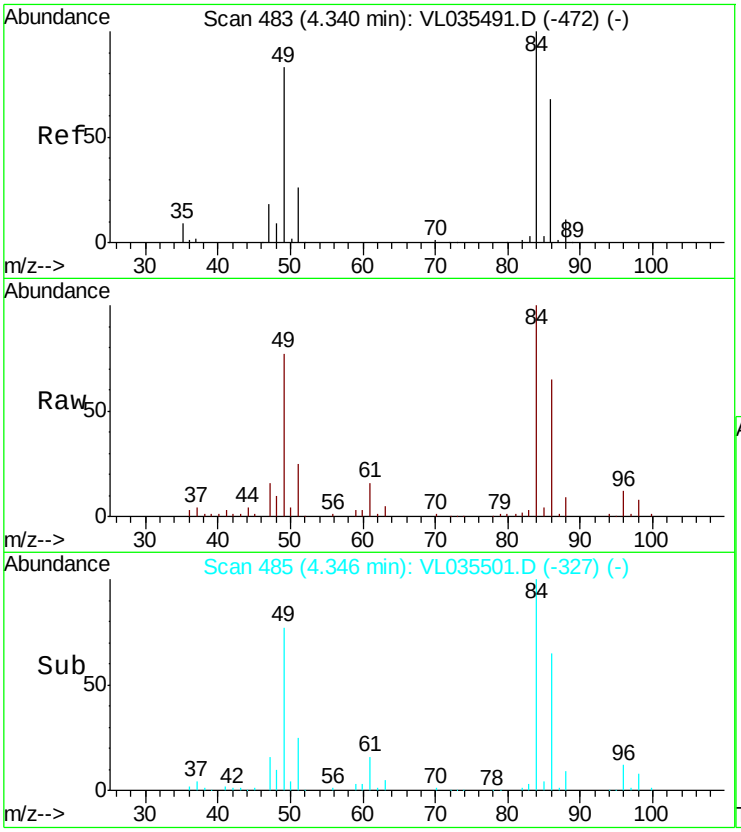


#18
1,1-Dichloroethene
Concen: 31.861 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 96 Resp: 2546937

Ion	Ratio	Lower	Upper
96	100		
61	125.2	99.9	149.9
98	67.6	52.2	78.4



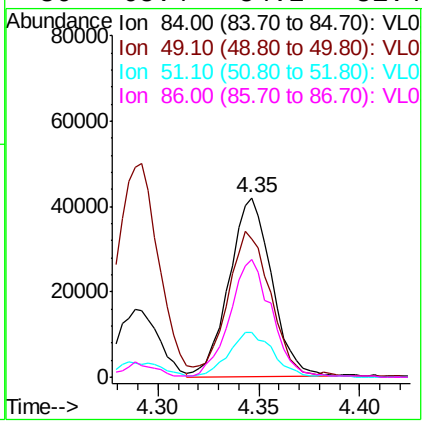


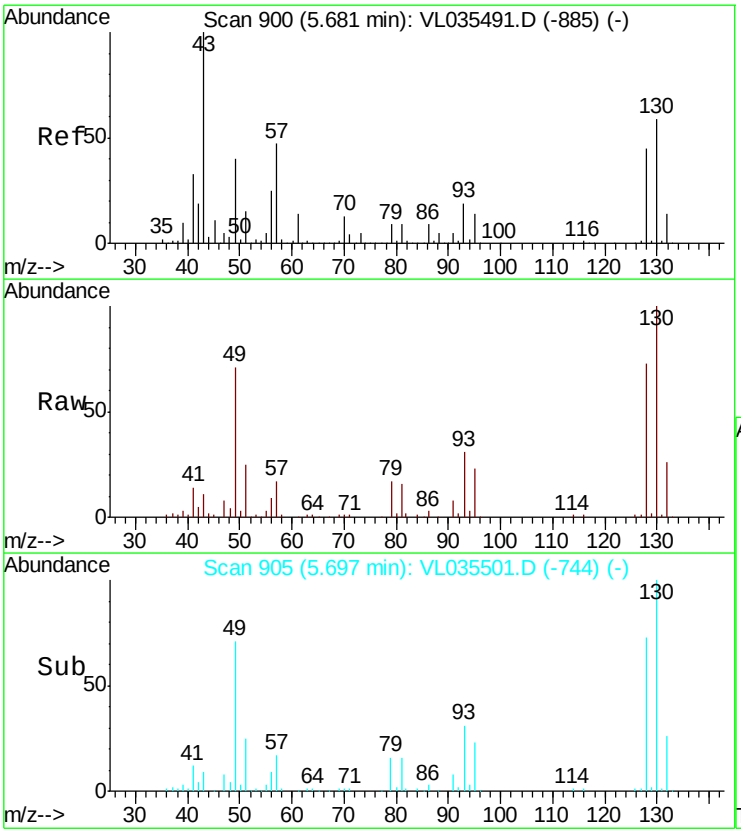
#20
Methylene Chloride
Concen: 0.588 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument : MSVOA_L
ClientSampleId : E053-1100

Tgt Ion: 84 Resp: 61644

Ion	Ratio	Lower	Upper
84	100		
49	76.2	66.3	99.5
51	24.7	21.1	31.7
86	65.4	54.2	81.4

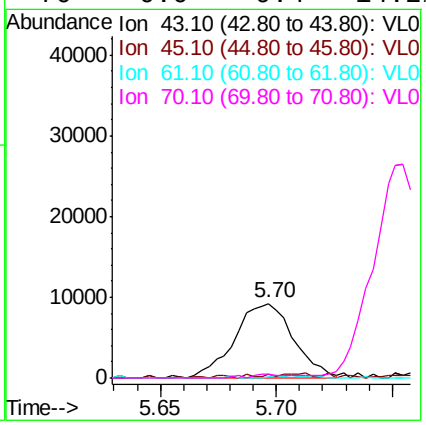


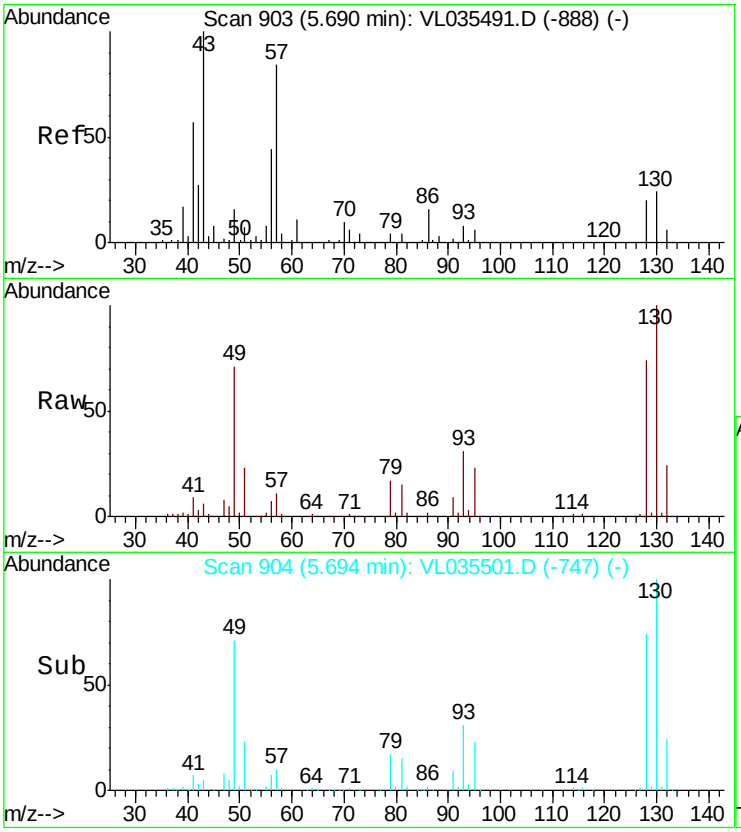


#25
Ethyl Acetate
Concen: 0.087 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 43 Resp: 16240

Ion	Ratio	Lower	Upper
43	100		
45	1.6	8.4	12.6#
61	2.3	10.6	16.0#
70	0.0	9.4	14.2#



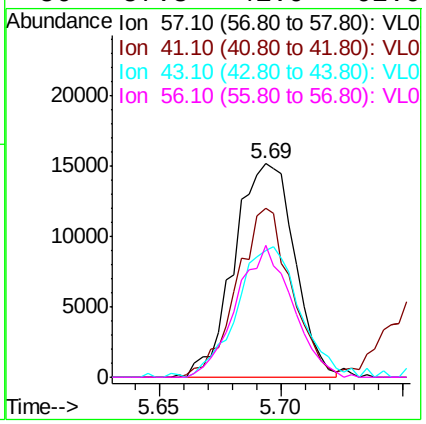


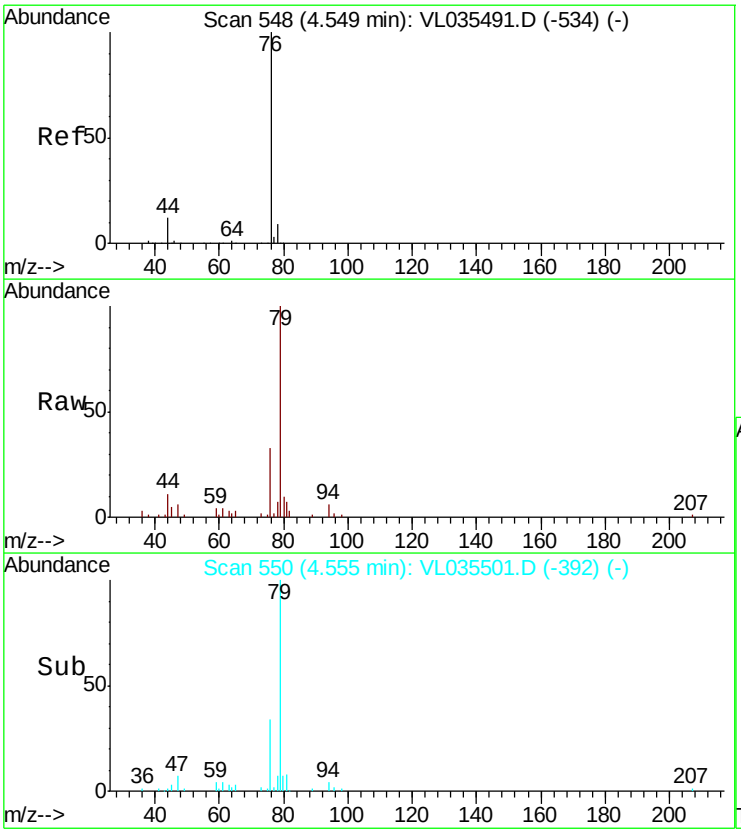
#26
Hexane
Concen: 0.230 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument : MSVOA_L
ClientSampleId : E053-1100

Tgt Ion: 57 Resp: 25932

Ion	Ratio	Lower	Upper
57	100		
41	71.5	56.7	85.1
43	63.6	141.9	212.9#
56	57.3	41.9	62.9

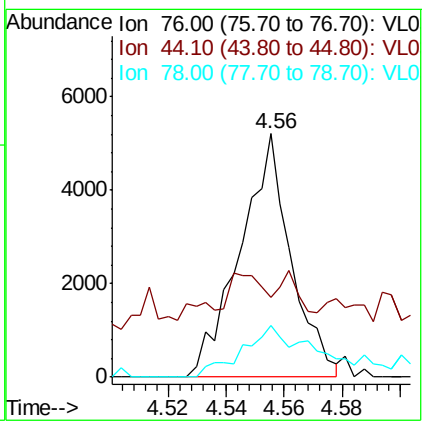


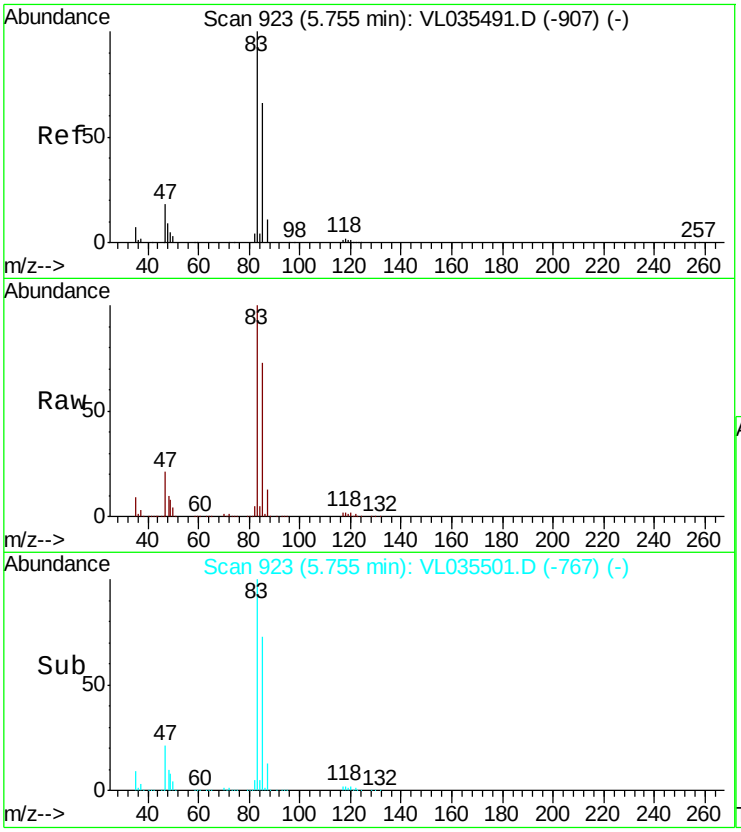


#27
Carbon Disulfide
Concen: 0.042 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 76 Resp: 6358

Ion	Ratio	Lower	Upper
76	100		
44	48.5	9.2	13.8#
78	36.2	7.8	11.8#



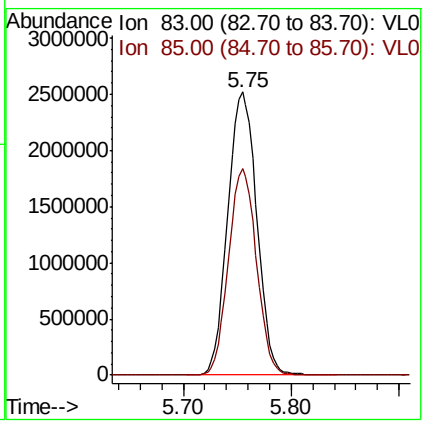


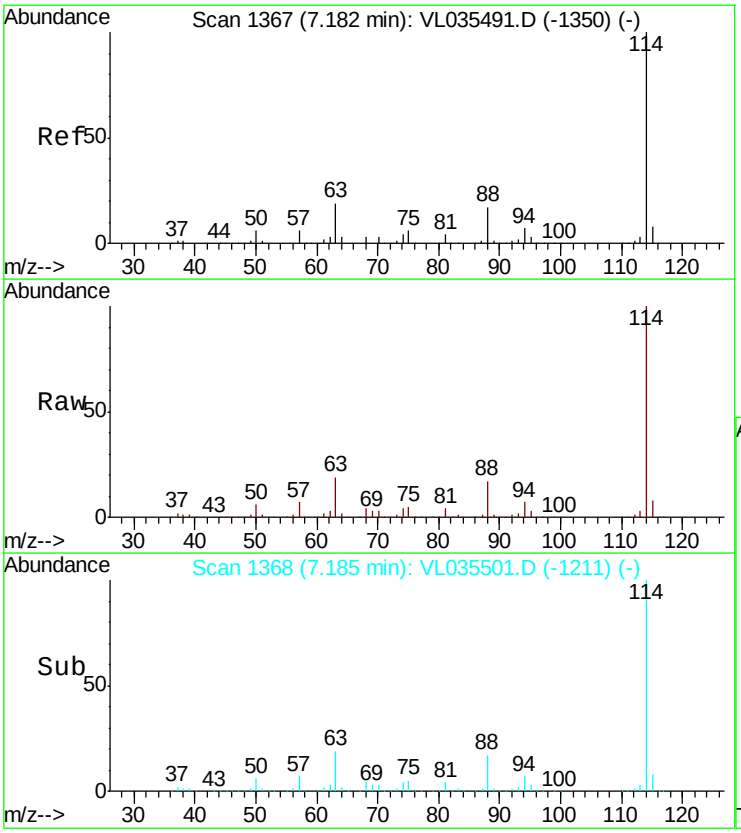
#29
Chloroform
Concen: 22.104 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument : MSVOA_L
ClientSampleId : E053-1100

Tgt Ion: 83 Resp: 4747125

Ion	Ratio	Lower	Upper
83	100		
85	73.1	53.1	79.7

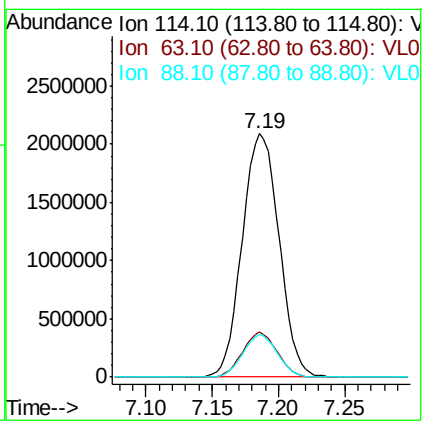


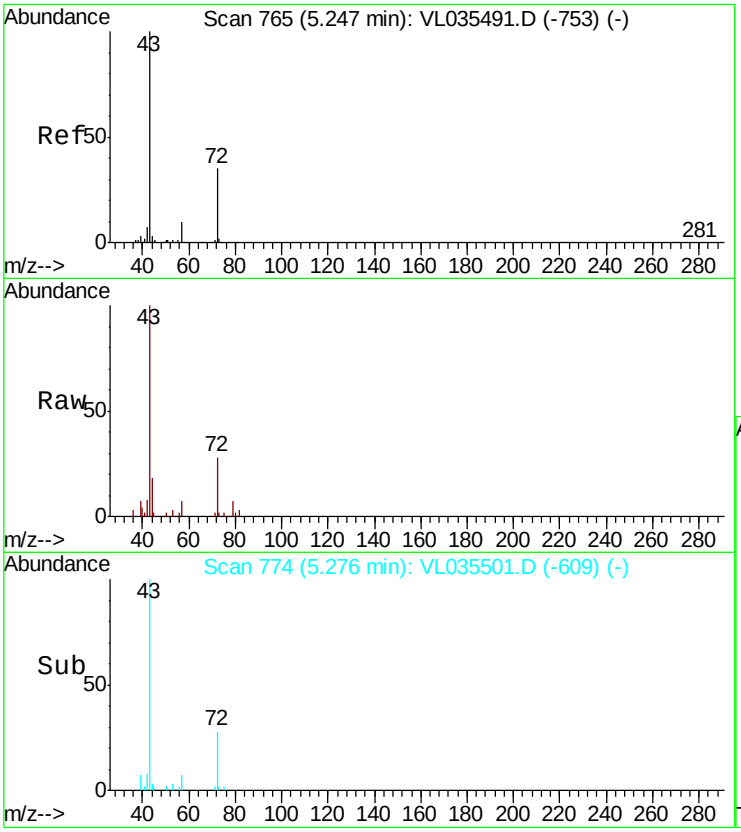


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion:114 Resp: 4049359

Ion	Ratio	Lower	Upper
114	100		
63	17.5	14.3	21.5
88	16.5	13.2	19.8



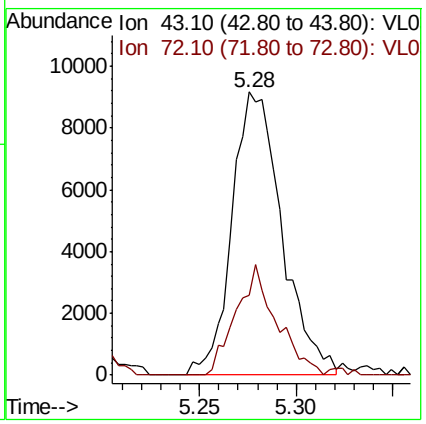


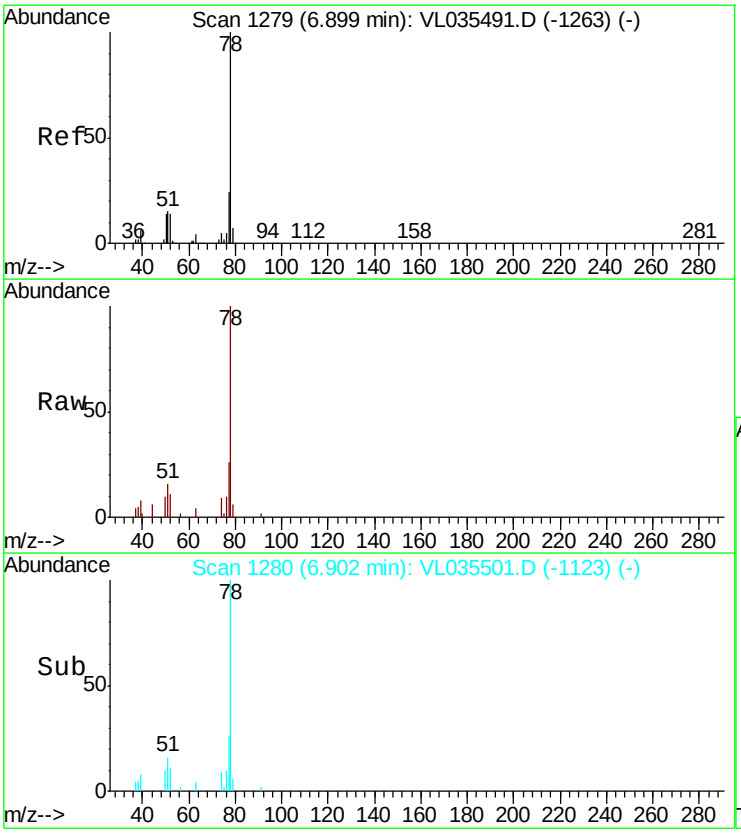
#34
2-Butanone
Concen: 0.139 ppbv
RT: 5.28 min Scan# 774
Delta R.T. 0.03 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion: 43 Resp: 16478

Ion	Ratio	Lower	Upper
43	100		
72	32.4	27.6	41.4

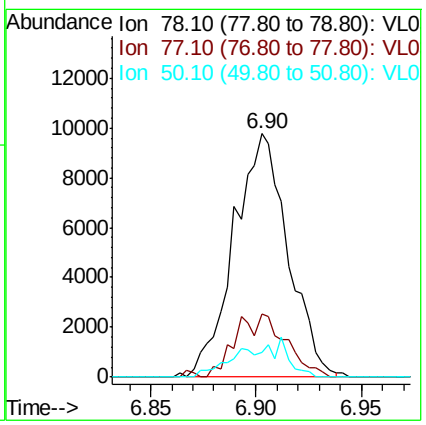


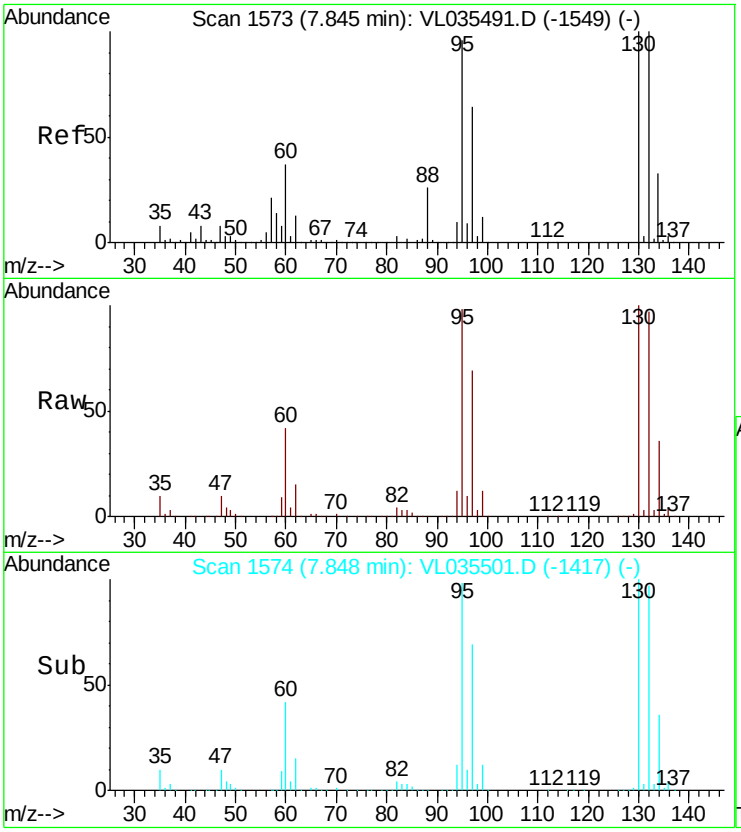


#36
Benzene
Concen: 0.065 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 78 Resp: 17321

Ion	Ratio	Lower	Upper
78	100		
77	26.1	19.2	28.8
50	10.4	11.0	16.4#



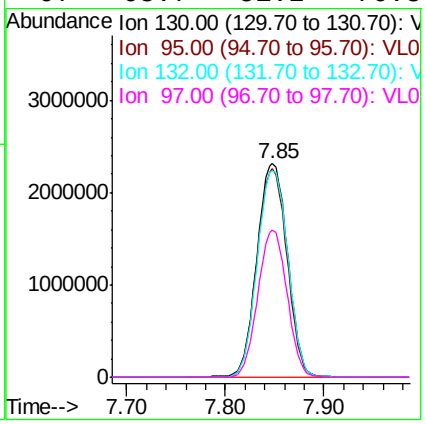


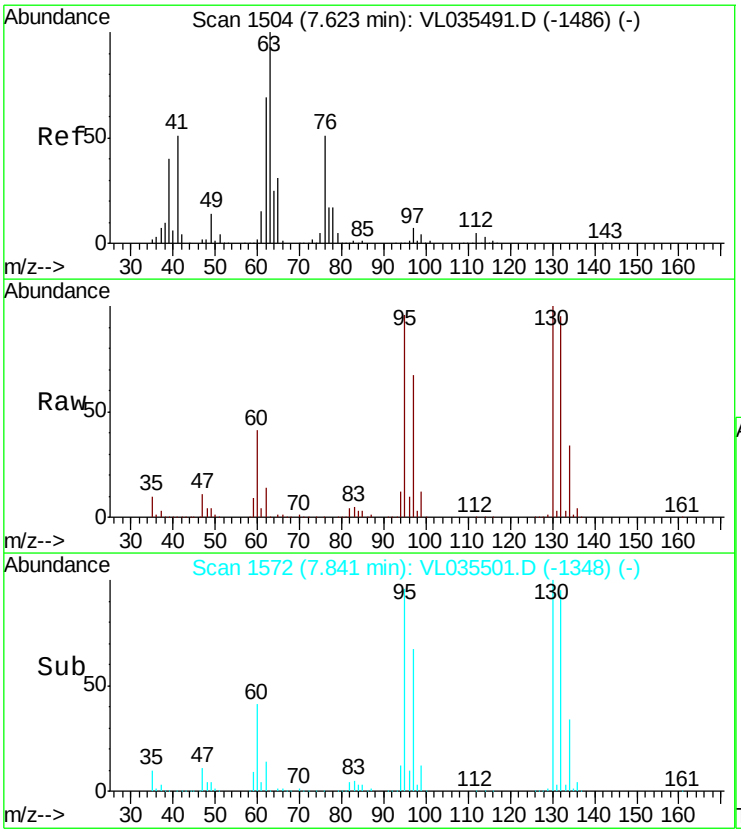
#38
Trichloroethene
Concen: 33.710 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument : MSVOA_L
ClientSampleId : E053-1100

Tgt Ion:130 Resp: 4960770

Ion	Ratio	Lower	Upper
130	100		
95	97.5	76.9	115.3
132	96.8	80.2	120.4
97	68.7	51.2	76.8

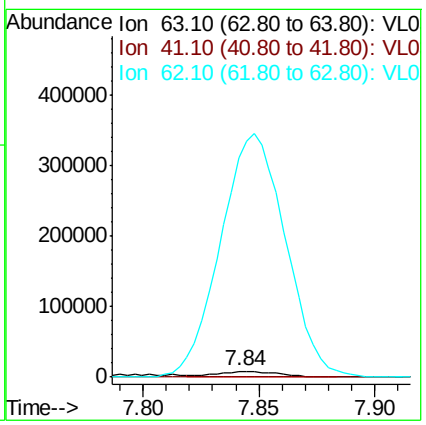


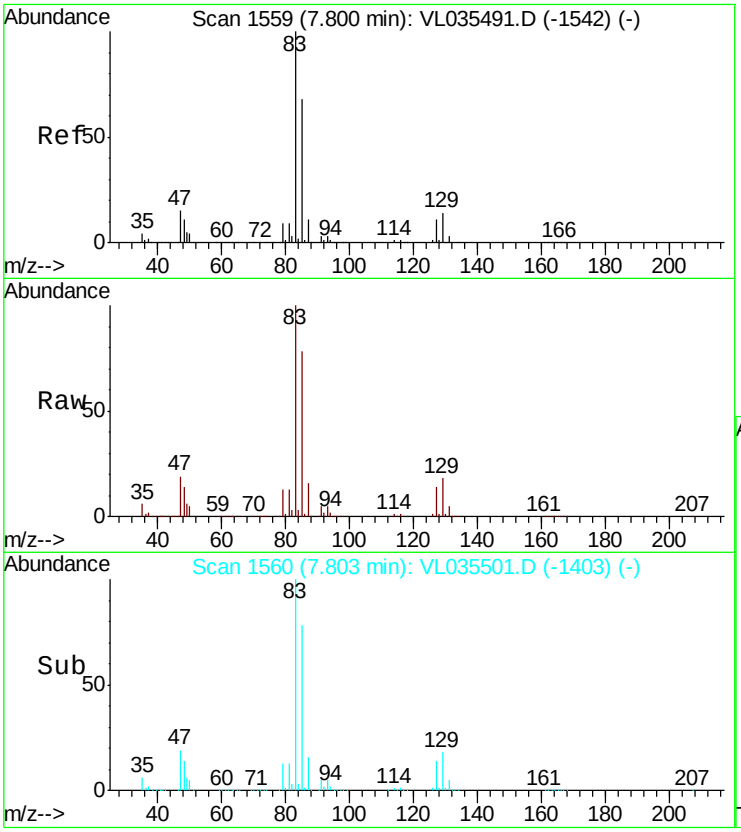


#39
1,2-Dichloropropane
Concen: 0.174 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.22 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 63 Resp: 15415

Ion	Ratio	Lower	Upper
63	100		
41	1.3	40.9	61.3#
62	3557.8	55.3	82.9#



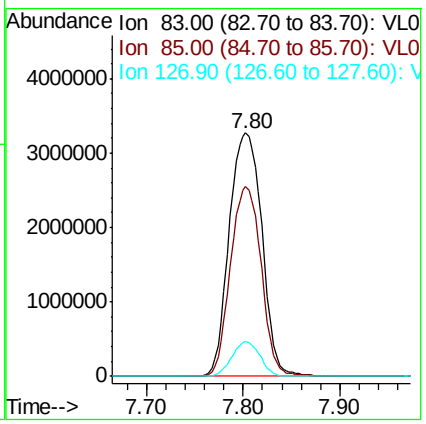


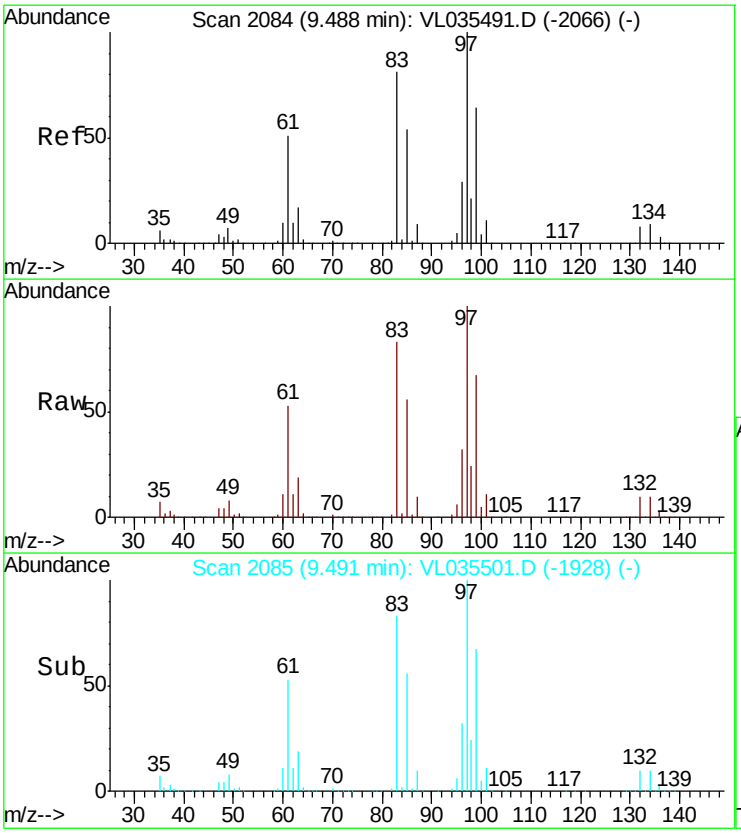
#42
Bromodichloromethane
Concen: 37.385 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion: 83 Resp: 7694040

Ion	Ratio	Lower	Upper
83	100		
85	77.8	54.8	82.2
127	14.3	8.6	13.0#

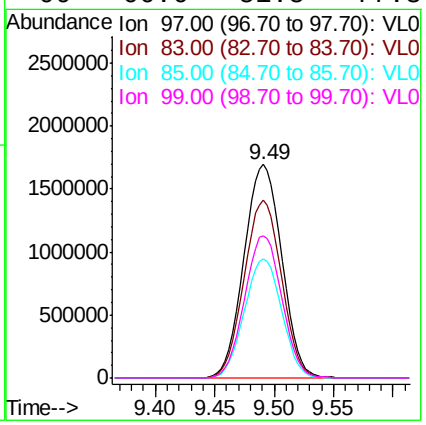


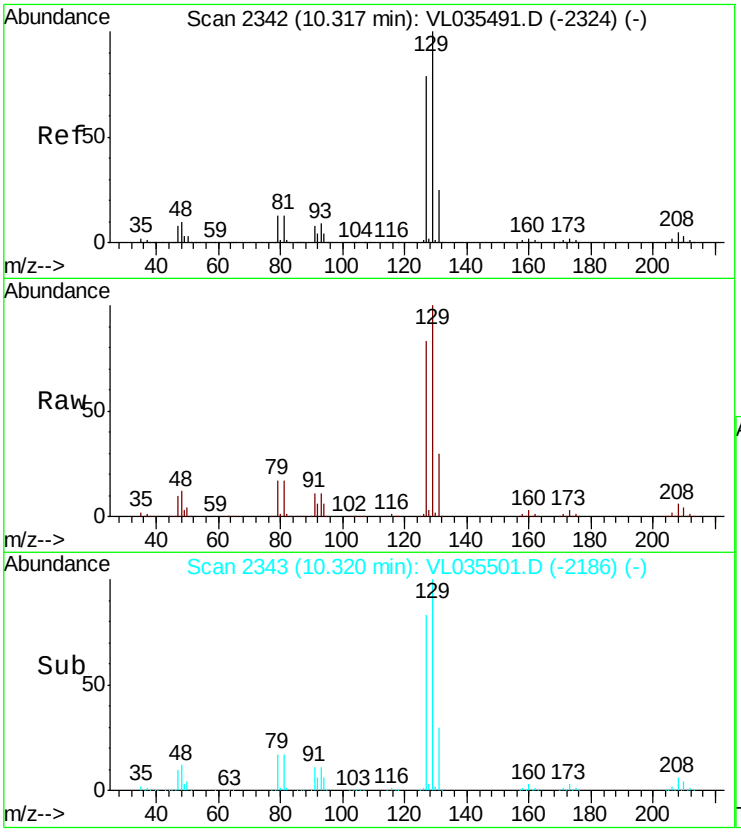


#47
1,1,2-Trichloroethane
Concen: 28.033 ppbv
RT: 9.49 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 97 Resp: 3735584

Ion	Ratio	Lower	Upper
97	100		
83	83.1	64.9	97.3
85	55.9	43.1	64.7
99	66.6	51.5	77.3



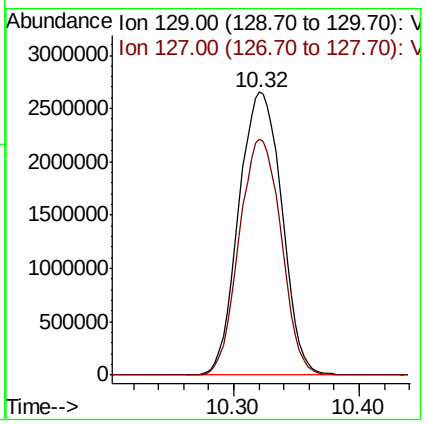


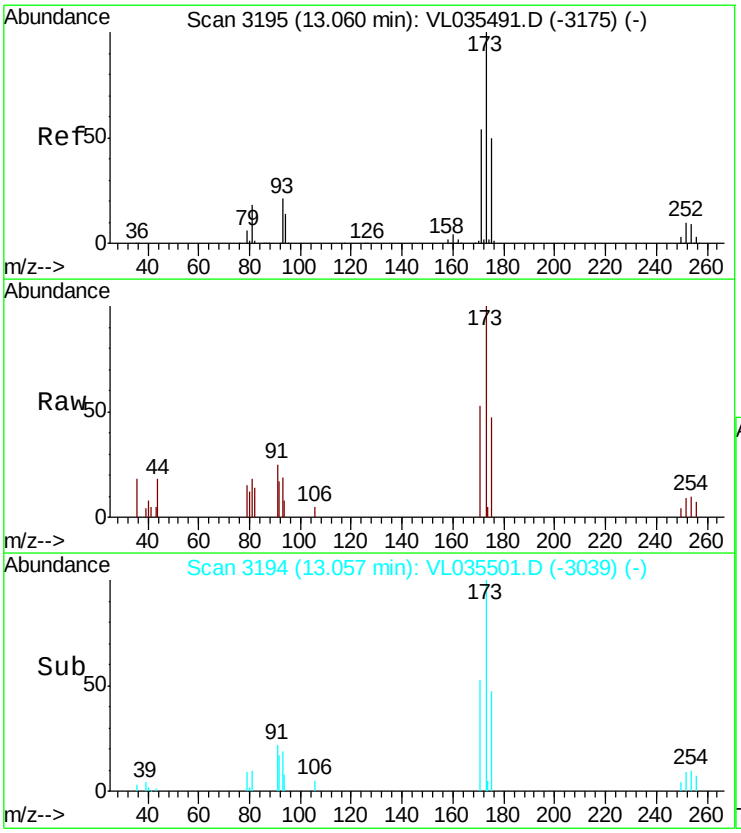
#48
Dibromochloromethane
Concen: 29.893 ppbv
RT: 10.32 min Scan# 2343
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion:129 Resp: 6341304

Ion	Ratio	Lower	Upper
129	100		
127	81.5	39.1	117.5

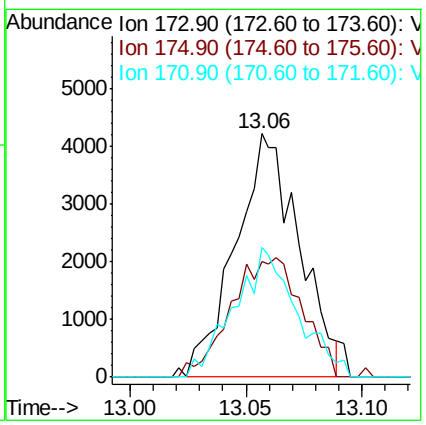


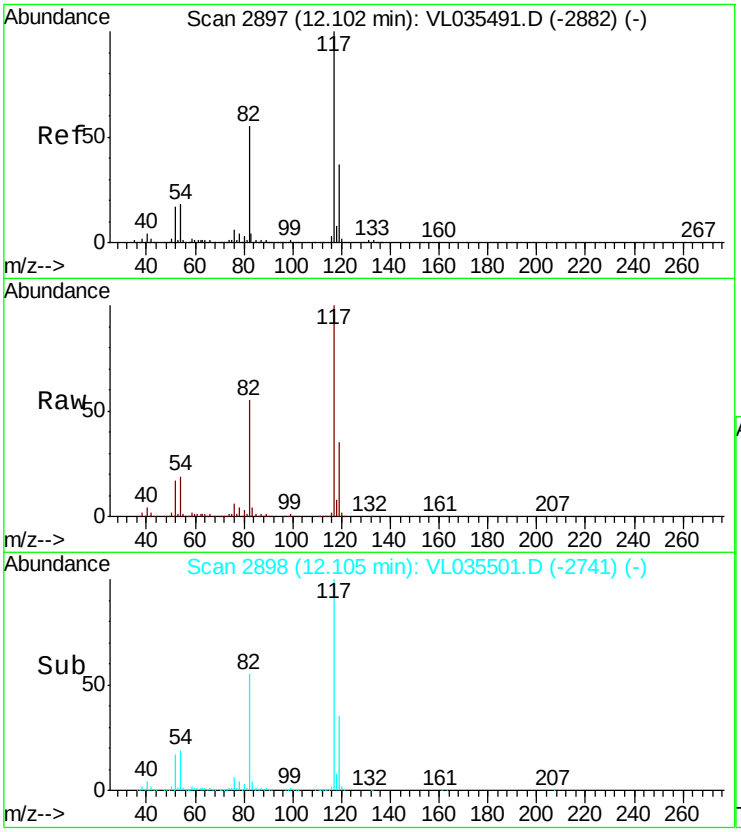


#49
Bromoform
Concen: 0.041 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion:173 Resp: 8034

Ion	Ratio	Lower	Upper
173	100		
175	55.2	40.2	60.4
171	52.2	42.7	64.1



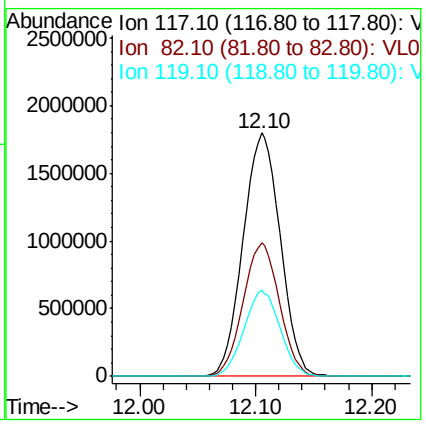


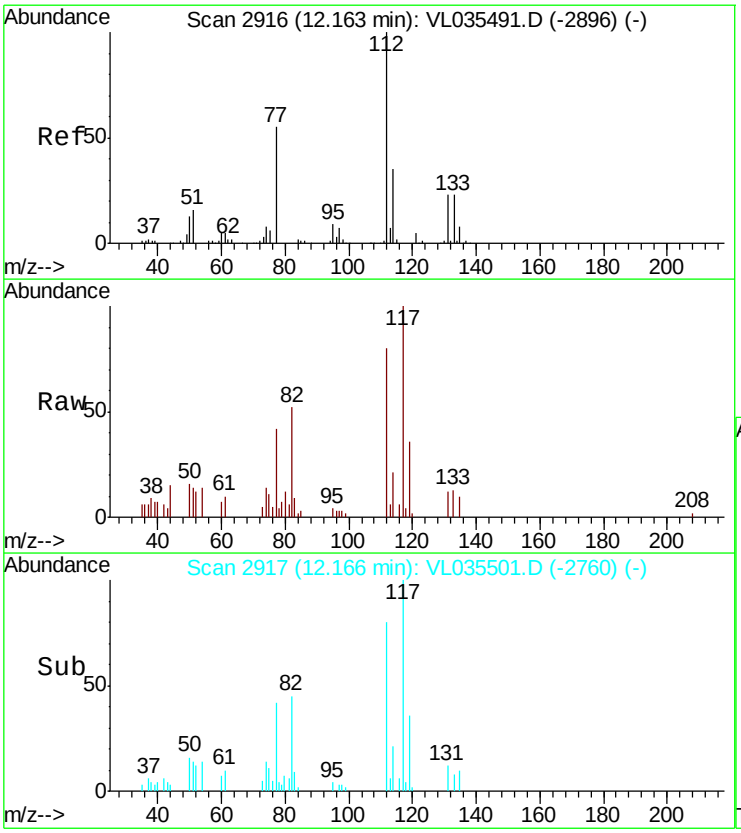
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument : MSVOA_L
ClientSampleId : E053-1100

Tgt Ion:117 Resp: 4011966

Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.9	65.9
119	34.6	30.4	45.6

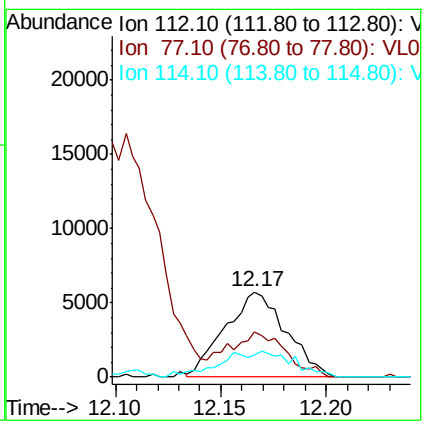


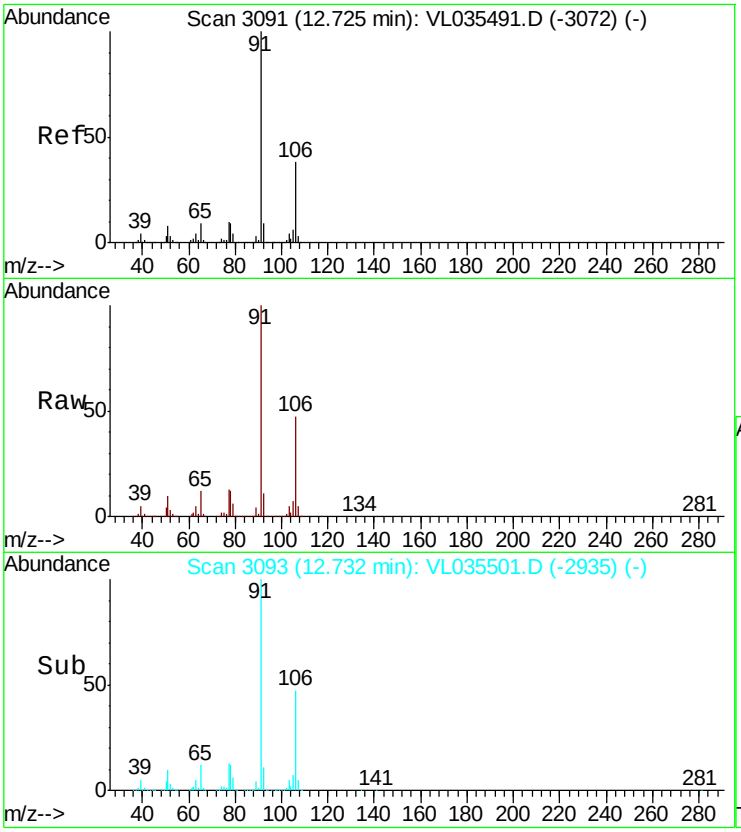


#57
Chlorobenzene
Concen: 0.038 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion:112 Resp: 11511

Ion	Ratio	Lower	Upper
112	100		
77	52.9	45.2	67.8
114	26.7	31.6	38.6#



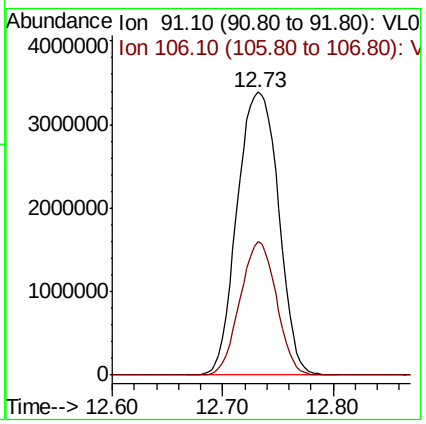


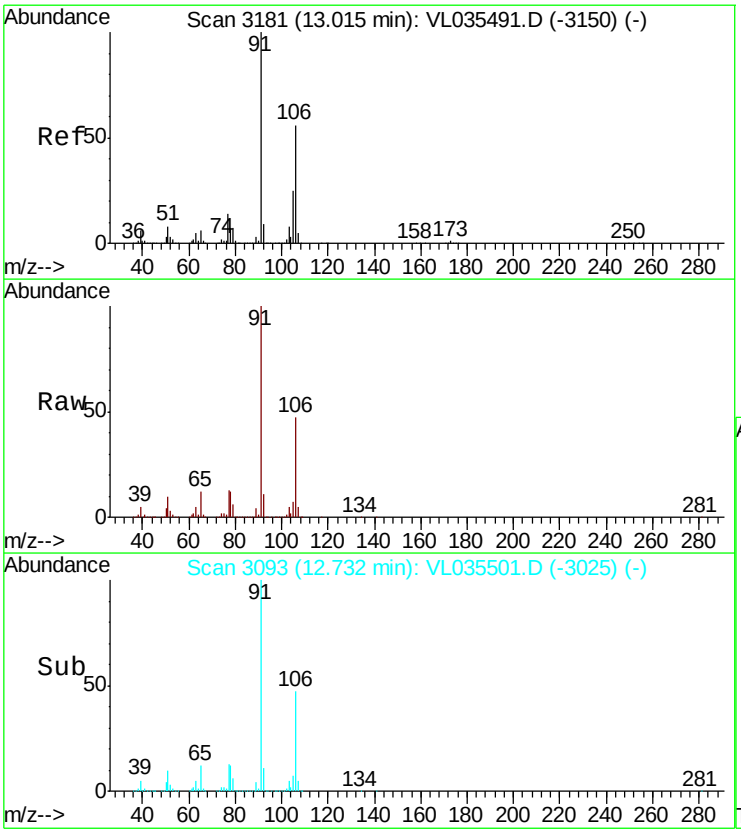
#58
Ethyl Benzene
Concen: 20.455 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument : MSVOA_L
ClientSampleId : E053-1100

Tgt Ion: 91 Resp: 8810805

Ion	Ratio	Lower	Upper
91	100		
106	47.2	30.2	45.2#

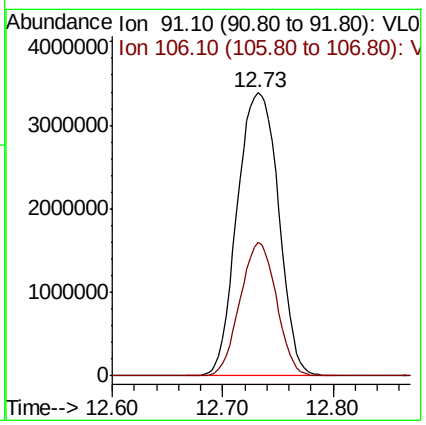


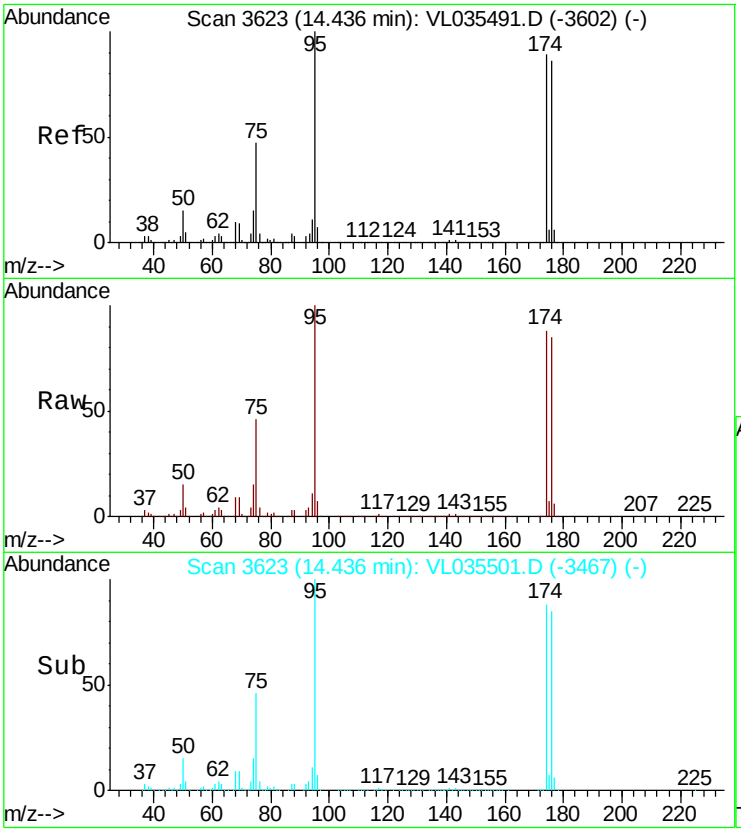


#59
m/p-Xylene
Concen: 24.032 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.28 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 91 Resp: 8810805

Ion	Ratio	Lower	Upper
91	100		
106	41.6	42.6	63.8#



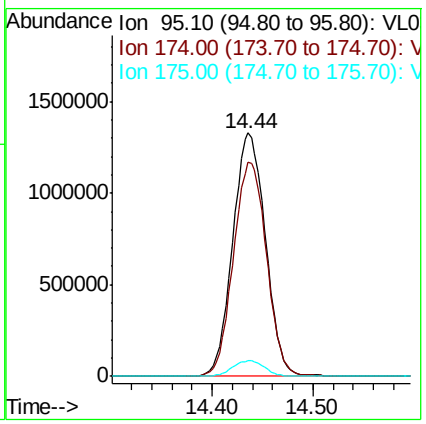


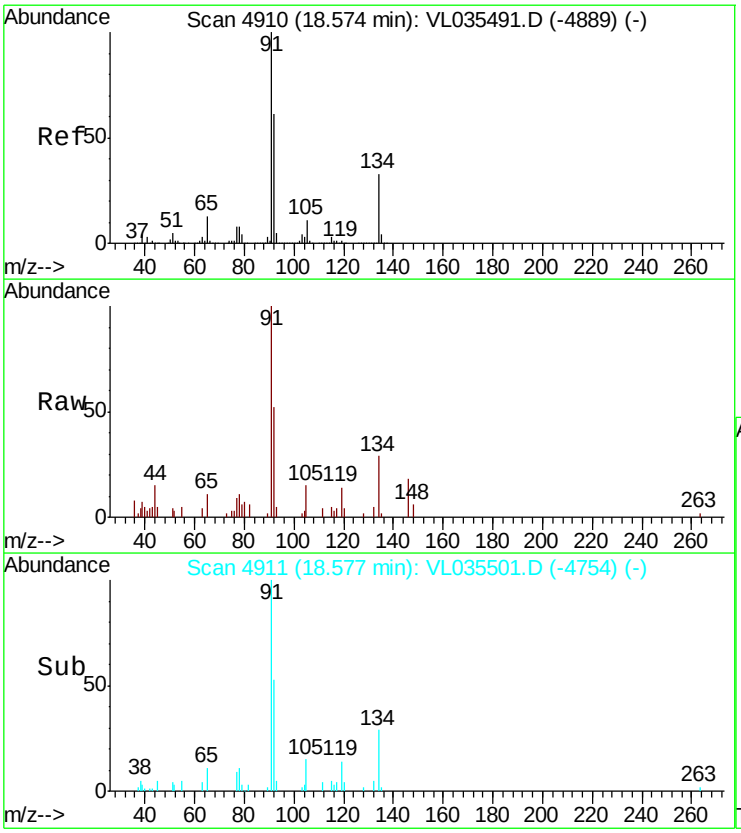
#68
1-Bromo-4-Fluorobenzene
Concen: 10.423 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion: 95 Resp: 2988348

Ion	Ratio	Lower	Upper
95	100		
174	89.6	70.9	106.3
175	6.5	5.1	7.7

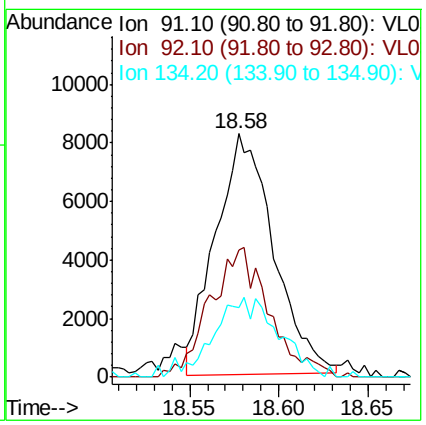


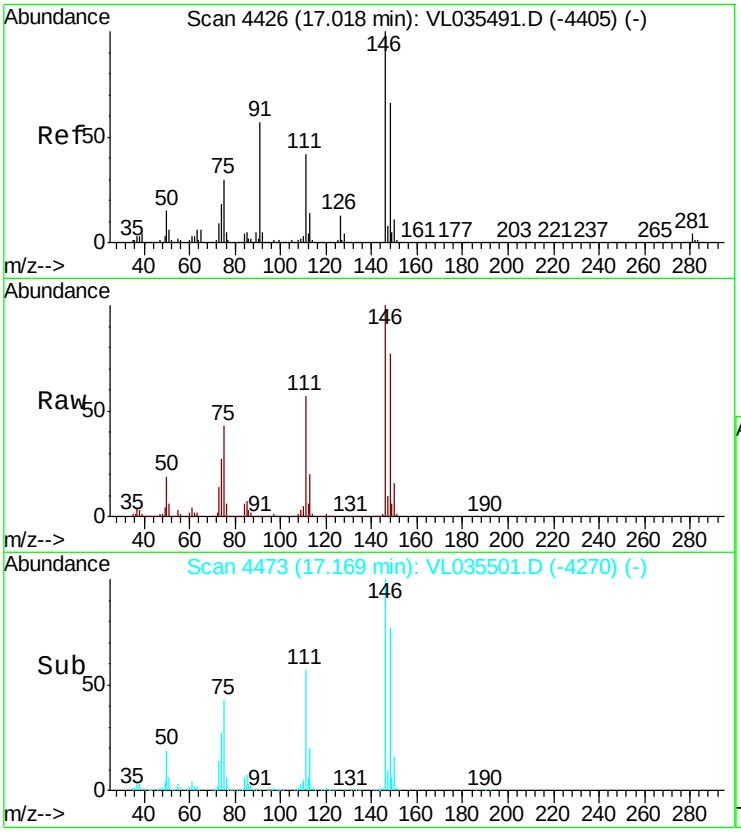


#70
n-Butylbenzene
Concen: 0.030 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. 0.00 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion: 91 Resp: 18736

Ion	Ratio	Lower	Upper
91	100		
92	54.4	47.0	70.6
134	37.8	24.9	37.3#



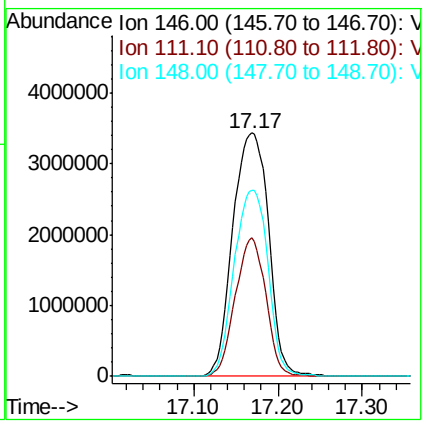


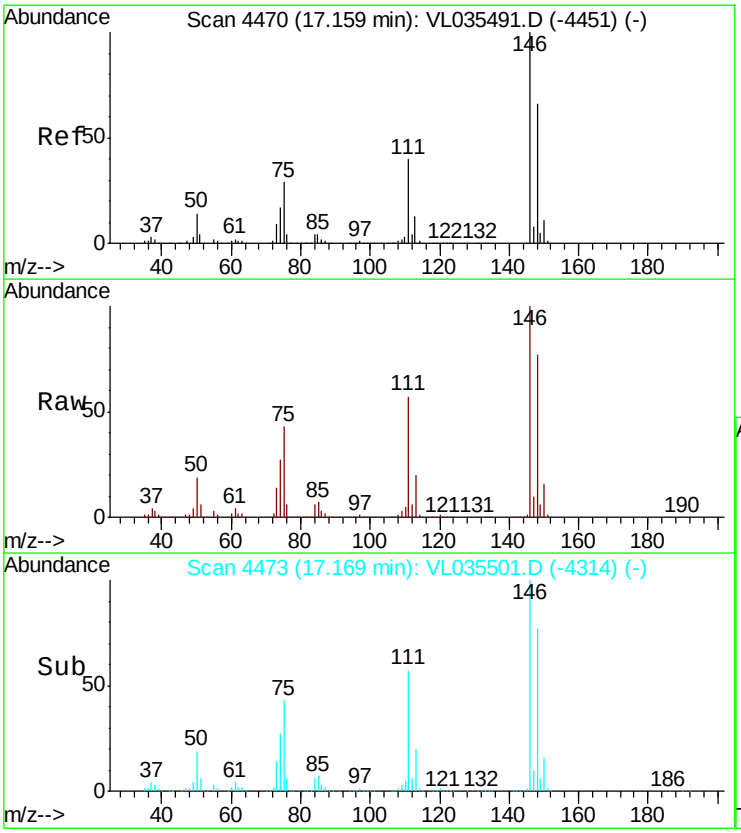
#75
1,3-Dichlorobenzene
Concen: 29.043 ppbv
RT: 17.17 min Scan# 4473
Delta R.T. 0.15 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion:146 Resp:10150328

Ion	Ratio	Lower	Upper
146	100		
111	48.8	20.3	61.0
148	72.6	33.1	99.5

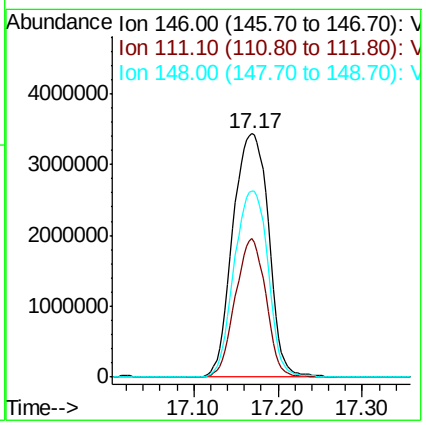


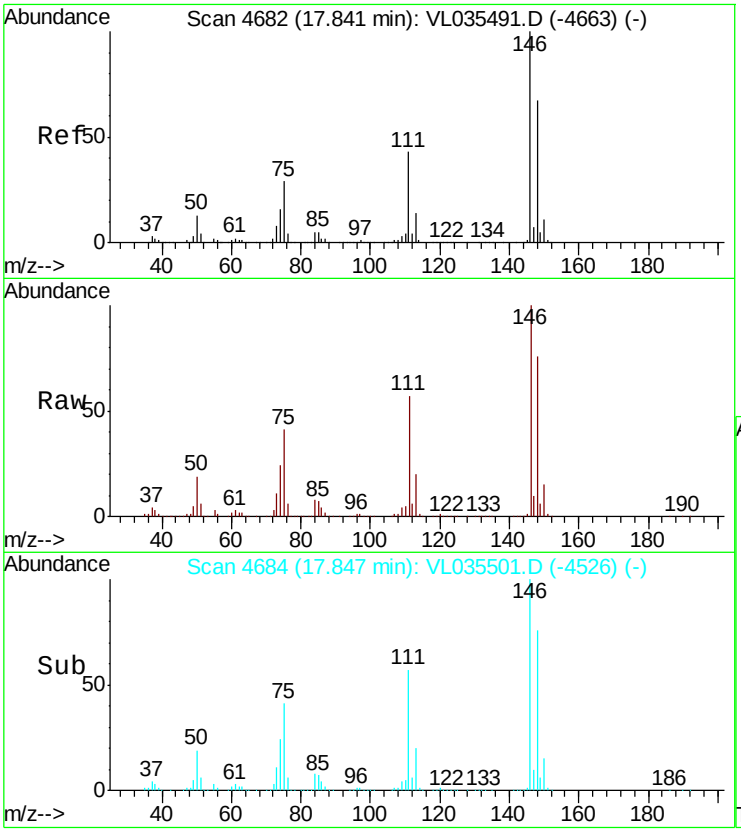


#76
1,4-Dichlorobenzene
Concen: 29.011 ppbv
RT: 17.17 min Scan# 4473
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion:146 Resp:10150328

Ion	Ratio	Lower	Upper
146	100		
111	48.8	19.6	58.8
148	72.6	32.8	98.3



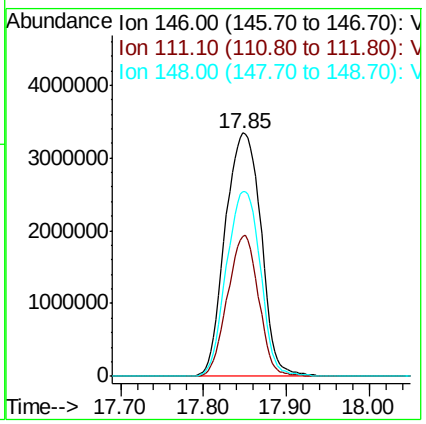


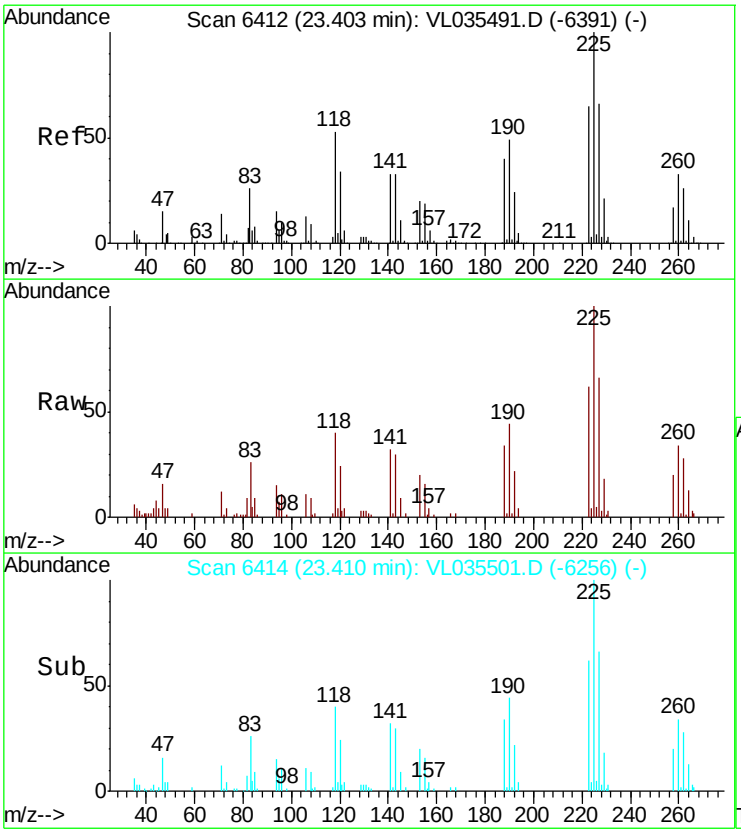
#77
1,2-Dichlorobenzene
Concen: 29.039 ppbv
RT: 17.85 min Scan# 4684
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion:146 Resp:10010722

Ion	Ratio	Lower	Upper
146	100		
111	50.8	21.0	63.0
148	72.3	33.0	98.9

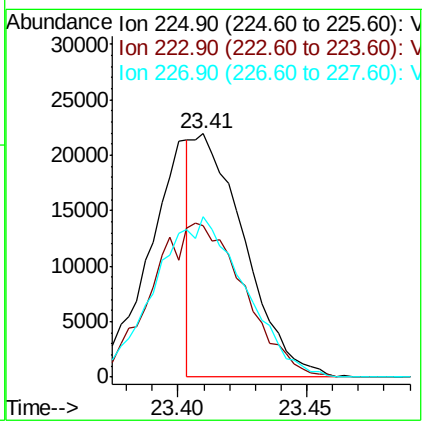


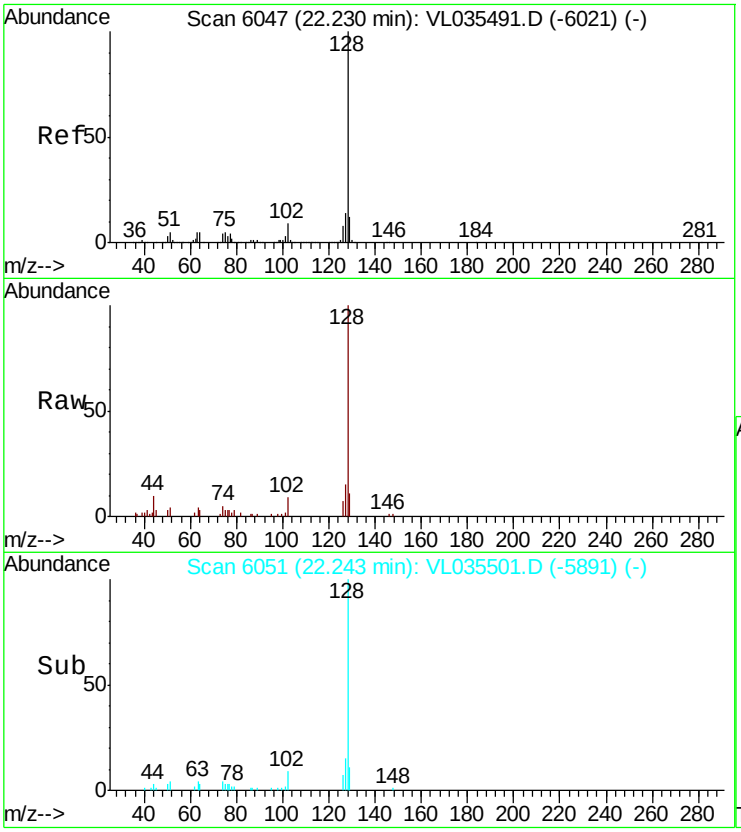


#78
Hexachloro-1,3-Butadiene
Concen: 0.128 ppbv
RT: 23.41 min Scan# 6414
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion:225 Resp: 30664

Ion	Ratio	Lower	Upper
225	100		
223	113.9	51.4	77.2#
227	116.0	51.7	77.5#



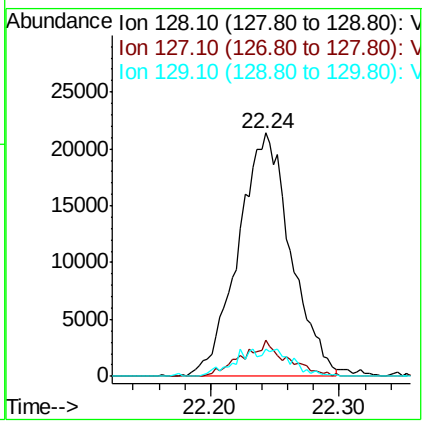


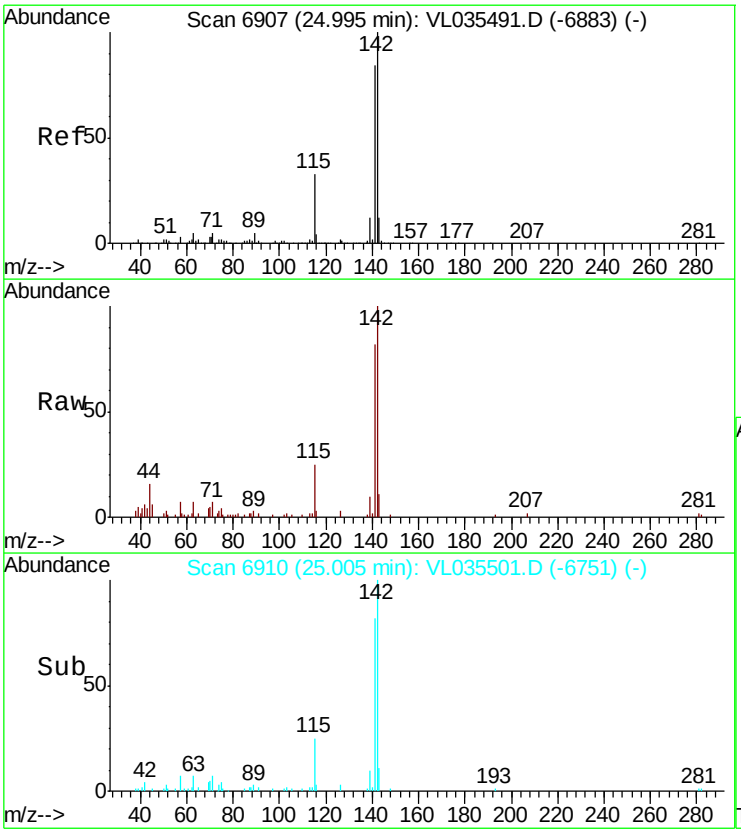
#79
Naphthalene
Concen: 0.103 ppbv
RT: 22.24 min Scan# 6051
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument : MSVOA_L
ClientSampleId : E053-1100

Tgt Ion:128 Resp: 60603

Ion	Ratio	Lower	Upper
128	100		
127	14.9	11.4	17.0
129	11.2	9.8	14.6

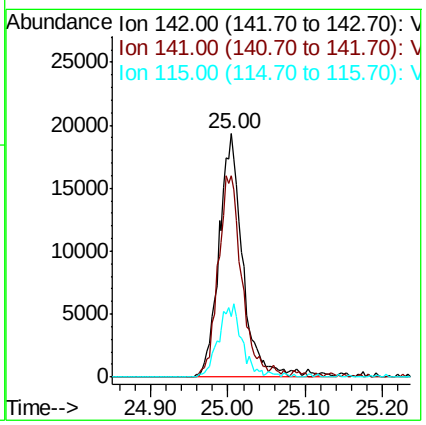


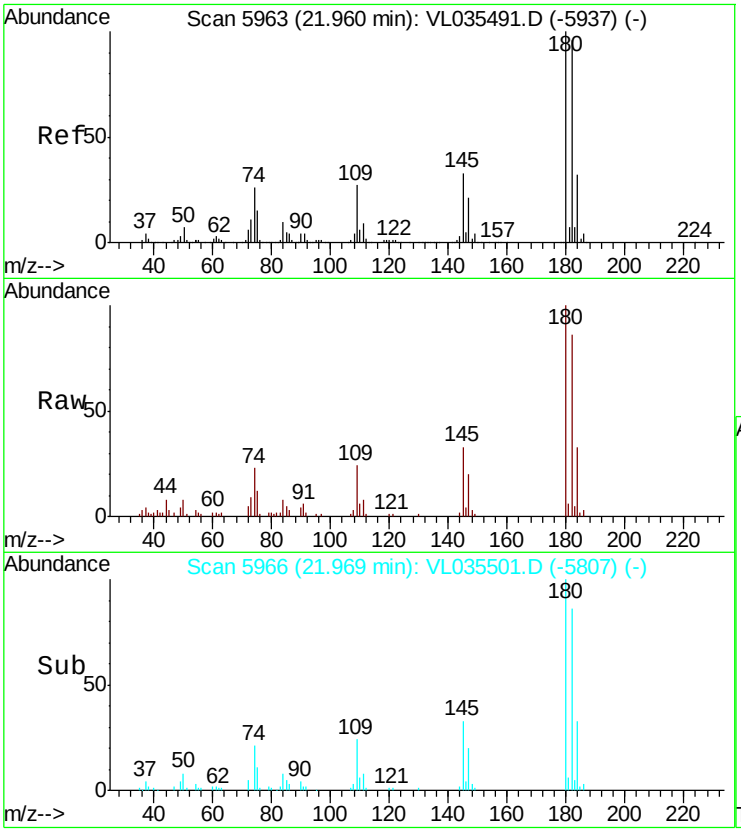


#80
Naphthalene,2-methyl-
Concen: 0.177 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Tgt Ion:142 Resp: 41552

Ion	Ratio	Lower	Upper
142	100		
141	83.2	67.1	100.7
115	30.0	25.6	38.4





#81
1,2,4-Trichlorobenzene
Concen: 0.080 ppbv
RT: 21.97 min Scan# 5966
Delta R.T. 0.01 min
Lab File: VL035501.D
Acq: 23 Aug 2020 16:40

Instrument :
MSVOA_L
ClientSampleId :
E053-1100

Tgt Ion:180 Resp: 27591

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.6	115.0#
184	54.4	25.4	38.0#