Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073021\
Data File : VL037298.D
Acq On : 31 Jul 2021 1:17
Operator : SY/AP
Sample : M3121-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 31 01:55:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 30 23:19:30 2021
QLast Update : Fri Jul 30 23:19:30 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1208982	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.17	114	3649561	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.09	117	3237465	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2260238	9.60	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	51783	0.298	ppbv		94
3) Chlorodifluoromethane	2.98	51	409008	1.688	ppbv		96
4) Chloromethane	3.13	50	39260	0.465	ppbv	#	86
8) Dichlorotetrafluoroethane	3.18	85	6252	0.030	ppbv	#	62
9) Propene	3.01	41	38320	0.470	ppbv		87
10) Heptane	8.11	43	11066	0.057	ppbv	#	53
11) Trichlorofluoromethane	3.94	101	29514	0.137	ppbv		86
12) 1,1,2-Trichlorotrifluoroet	4.48	101	8465	0.053	ppbv	#	2
13) Ethanol	3.61	45	203225	11.346	ppbv		85
15) Acetone	3.84	43	697000	3.201	ppbv		95
16) 1,3-Butadiene	3.32	39	3820	0.047	ppbv	#	50
19) Isopropyl Alcohol	3.98	45	125567	1.490	ppbv	#	92
20) Methylene Chloride	4.34	84	451855	5.362	ppbv		97
22) trans-1,2-Dichloroethene	4.88	96	2100	0.031	ppbv	#	26
23) Vinyl Acetate	5.06	43	26512	0.144	ppbv	#	65
25) Ethyl Acetate	5.68	43	318881	1.009	ppbv	#	82
26) Hexane	5.68	57	413545	2.449	ppbv	#	54
29) Chloroform	5.74	83	24618	0.102	ppbv		91
34) 2-Butanone	5.25	43	64163	0.410	ppbv		92
36) Benzene	6.89	78	53035	0.172	ppbv	#	93
39) 1,2-Dichloropropane	7.22	63	9865	0.085	ppbv	#	15
44) 2,2,4-Trimethylpentane	7.87	57	86527	0.171	ppbv	#	90
53) Toluene	9.81	91	808258	2.225	ppbv		99
58) Ethyl Benzene	12.72	91	17198	0.039	ppbv		94
59) m/p-Xylene	13.00	91	17112	0.045	ppbv	#	30
73) 1,3,5-Trimethylbenzene	16.00	105	12711	0.032	ppbv		92
74) 1,2,4-Trimethylbenzene	16.77	105	34633	0.078	ppbv	#	70
76) 1,4-Dichlorobenzene	17.14	146	9866	0.036	ppbv	#	23
78) Hexachloro-1,3-Butadiene	23.38	225	15330	0.080	ppbv	#	4
80) Naphthalene,2-methyl-	24.99	142	14855	0.149	ppbv	#	79
81) 1,2,4-Trichlorobenzene	21.92	180	8055	0.039	ppbv	#	10

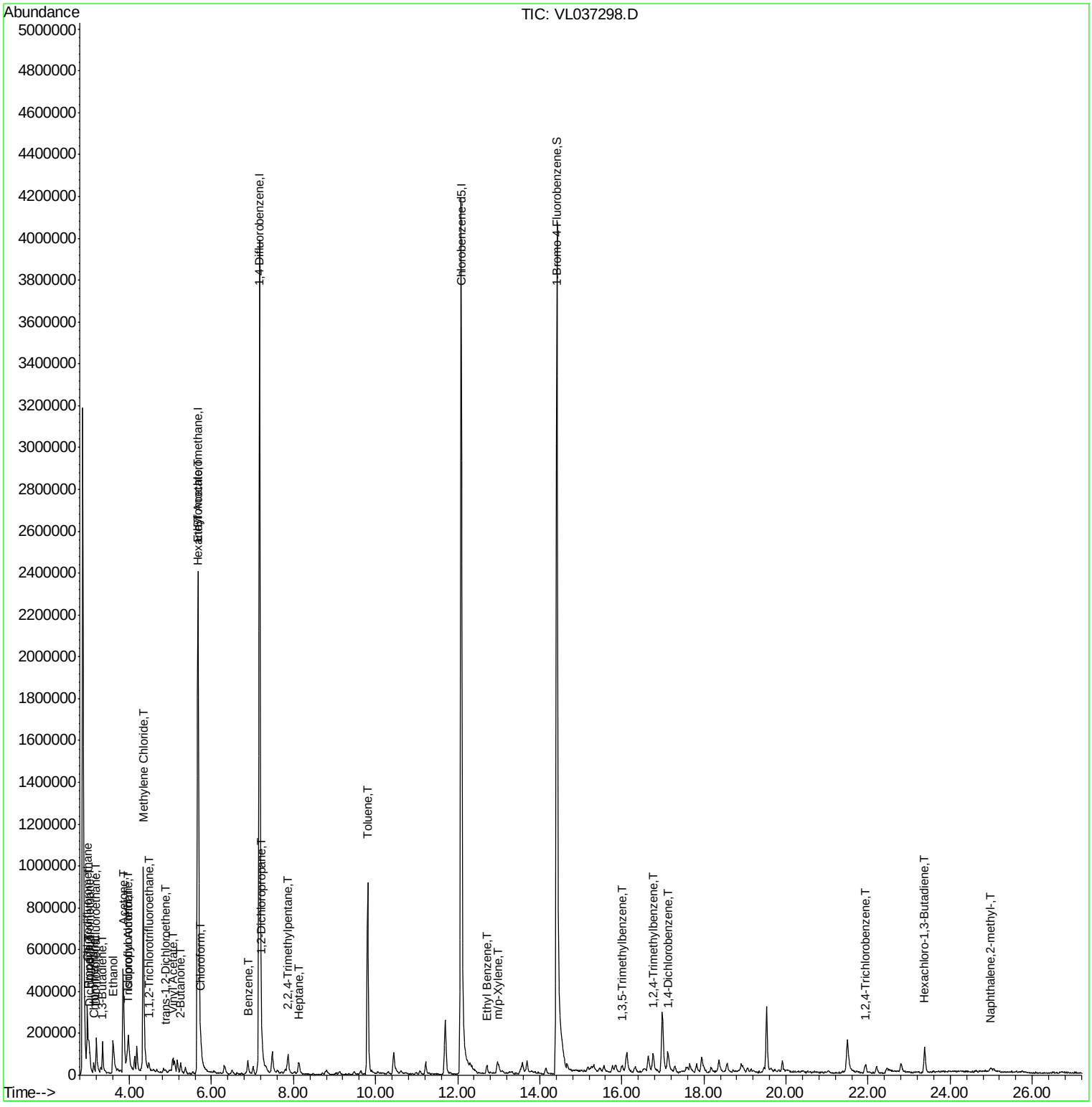
(#) = qualifier out of range (m) = manual integration (+) = signals summed

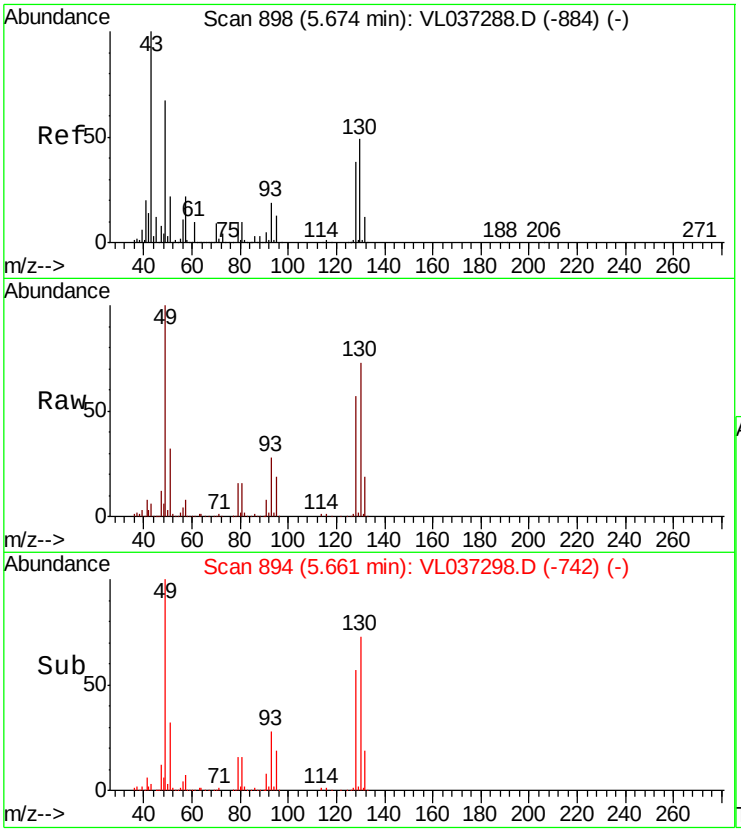
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL073021\
Data File : VL037298.D
Acq On : 31 Jul 2021 1:17
Operator : SY/AP
Sample : M3121-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 31 01:55:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL073021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jul 30 23:19:30 2021
QLast Update : Fri Jul 30 23:19:30 2021
Response via : Initial Calibration



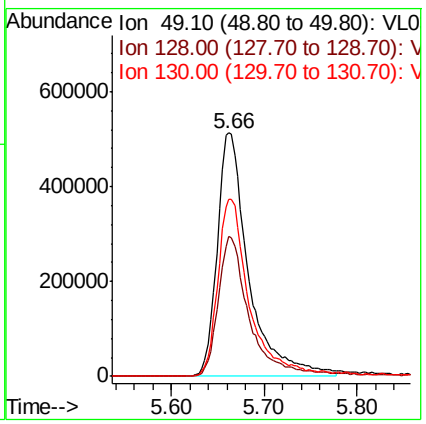


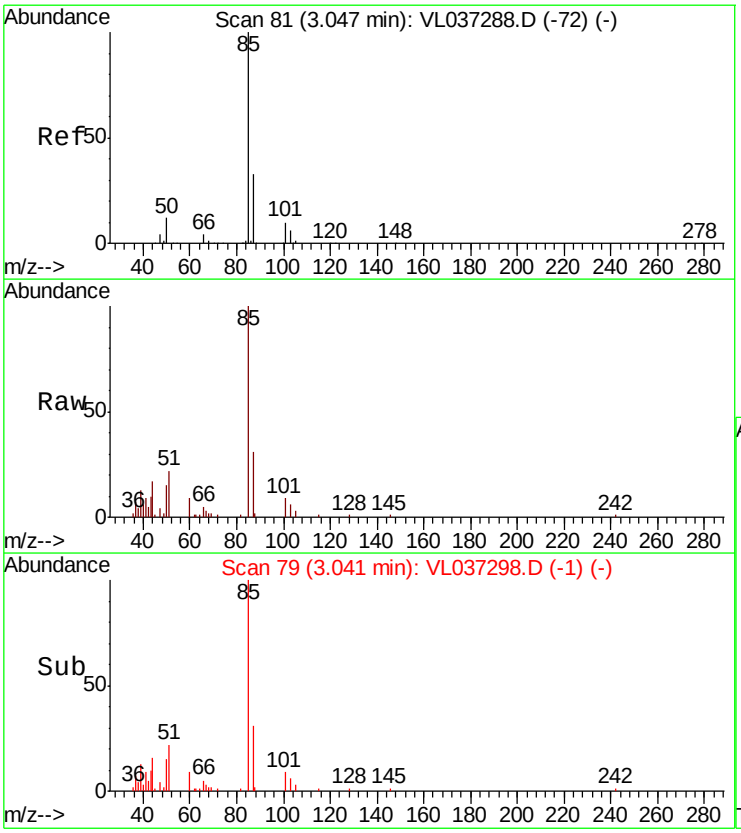
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1208982

Ion	Ratio	Lower	Upper
49	100		
128	58.1	30.6	92.0
130	74.9	37.8	113.4

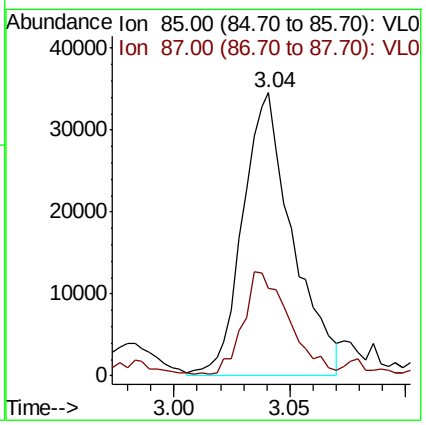


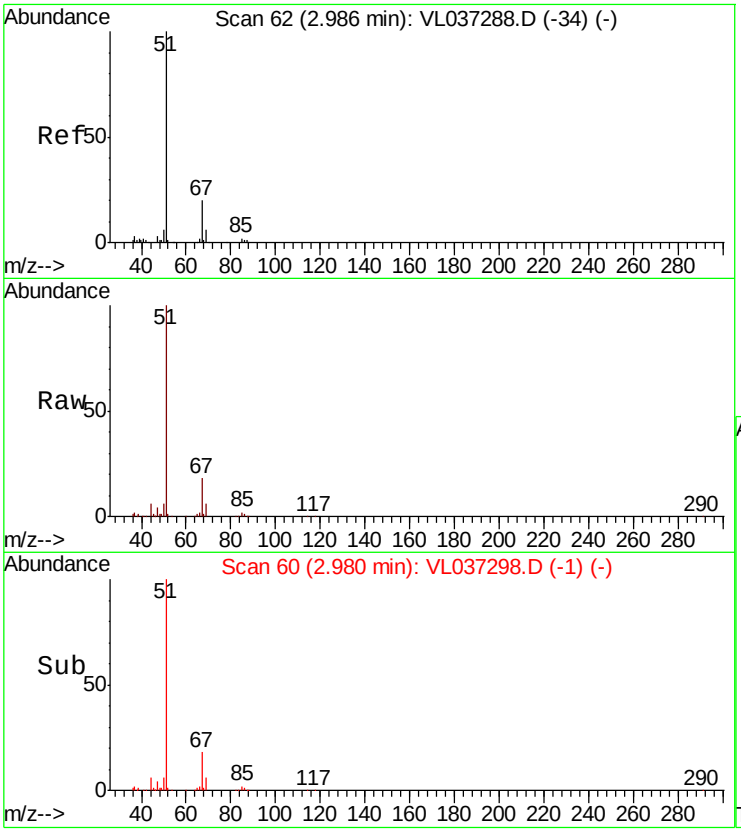


#2
Dichlorodifluoromethane
Concen: 0.298 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 85 Resp: 51783

Ion	Ratio	Lower	Upper
85	100		
87	30.1	26.6	40.0



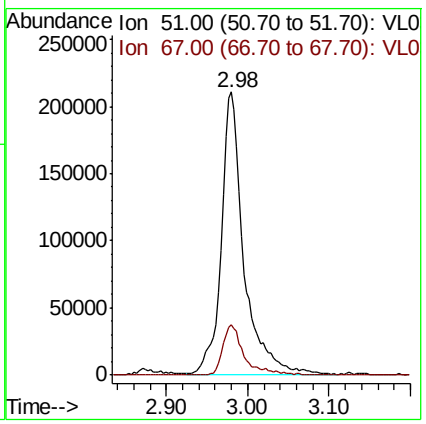


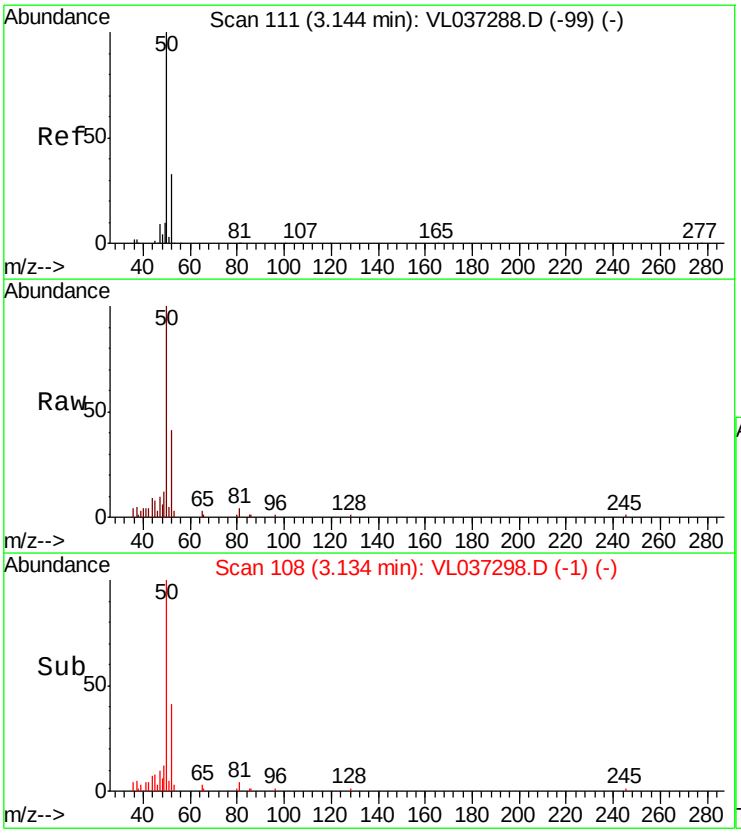
#3
Chlorodifluoromethane
Concen: 1.688 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 409008

Ion	Ratio	Lower	Upper
51	100		
67	17.3	15.2	22.8

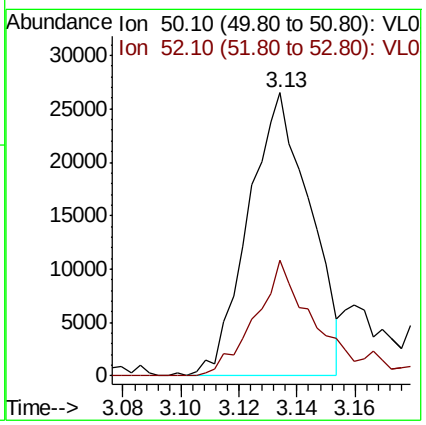


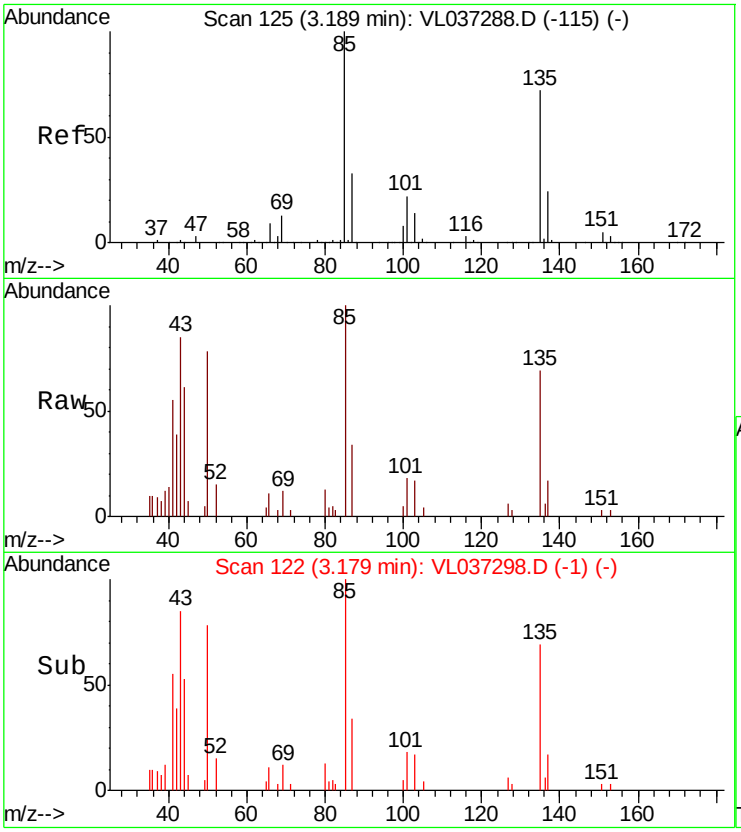


#4
Chloromethane
Concen: 0.465 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 50 Resp: 39260

Ion	Ratio	Lower	Upper
50	100		
52	40.8	26.2	39.4#



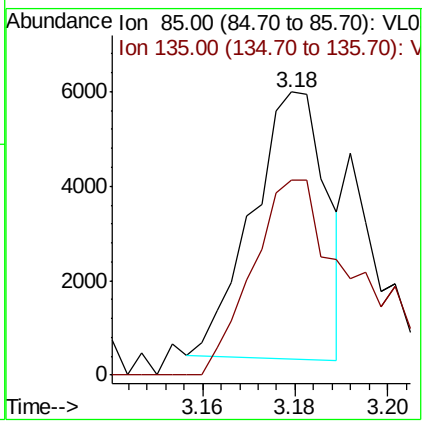


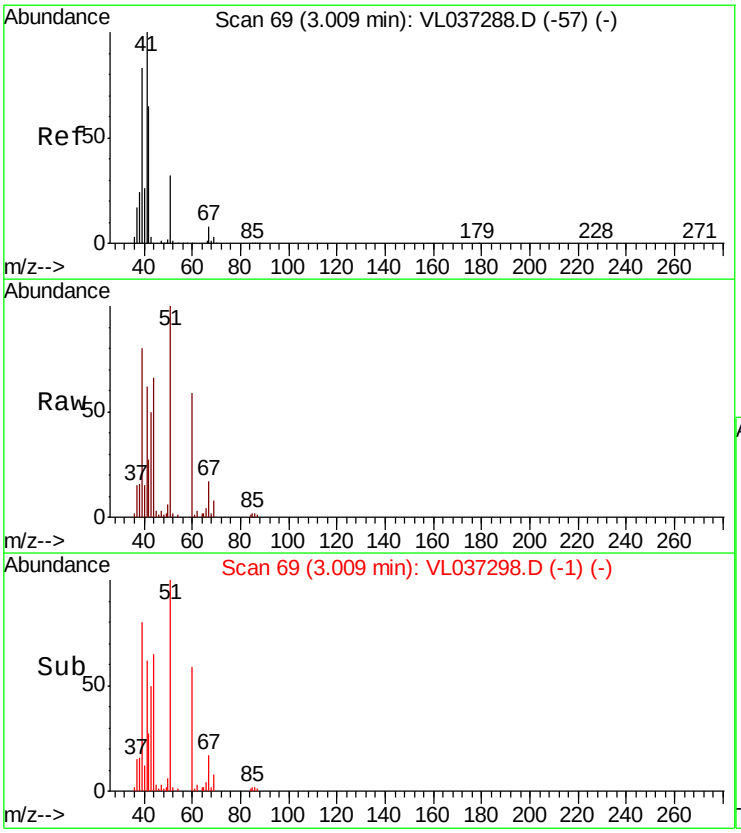
#8
Dichlorotetrafluoroethane
Concen: 0.030 ppbv
RT: 3.18 min Scan# 122
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 85 Resp: 6252

Ion	Ratio	Lower	Upper
85	100		
135	108.4	61.0	91.4#

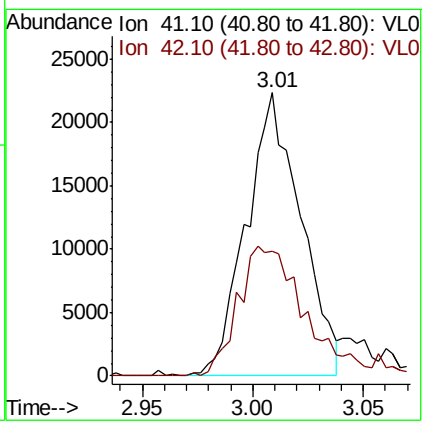


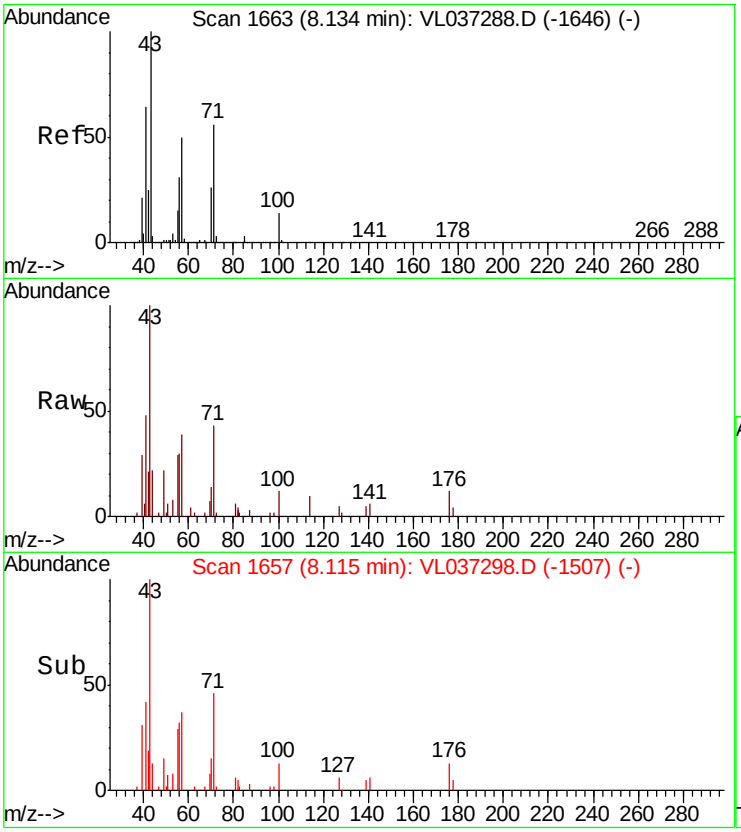


#9
Propene
Concen: 0.470 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.00 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 41 Resp: 38320

Ion	Ratio	Lower	Upper
41	100		
42	57.1	54.0	81.0



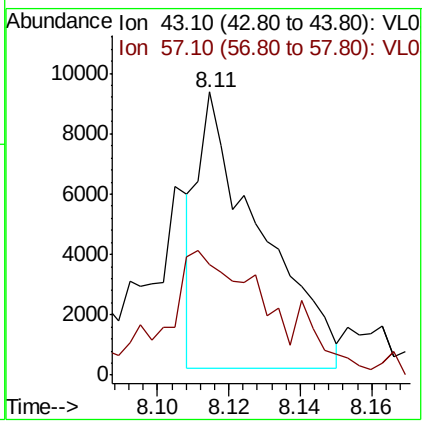


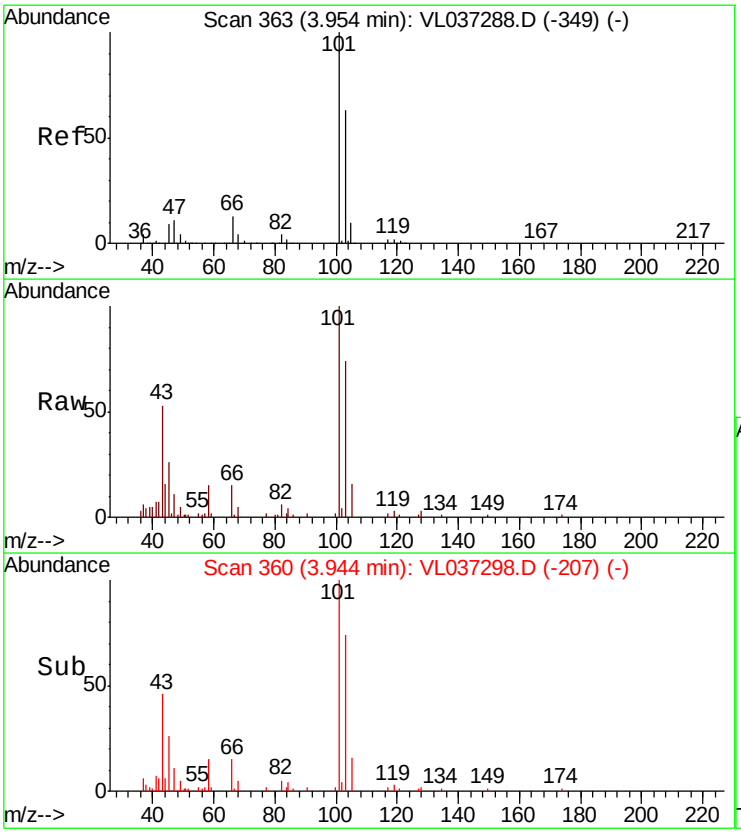
#10
Heptane
Concen: 0.057 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.02 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 11066

Ion	Ratio	Lower	Upper
43	100		
57	84.1	40.9	61.3#

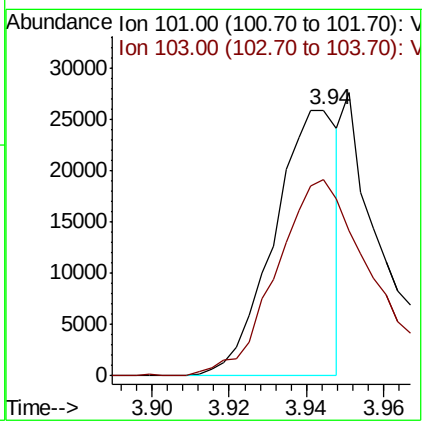


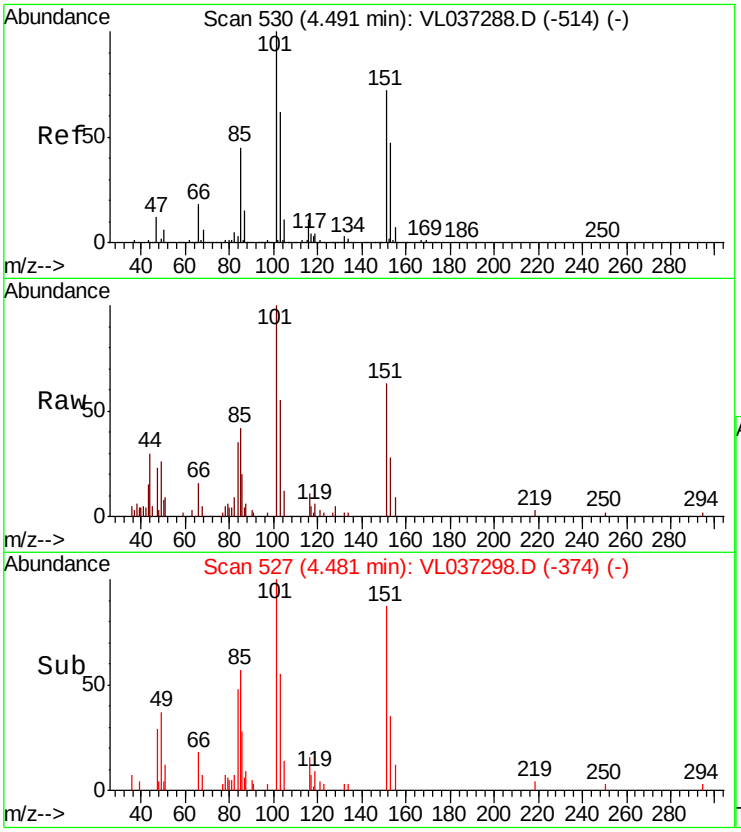


#11
Trichlorofluoromethane
Concen: 0.137 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion:101 Resp: 29514

Ion	Ratio	Lower	Upper
101	100		
103	73.7	50.6	75.8



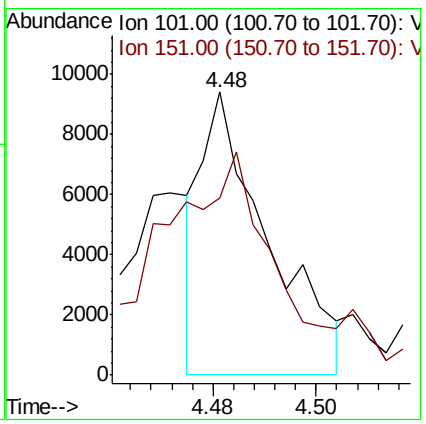


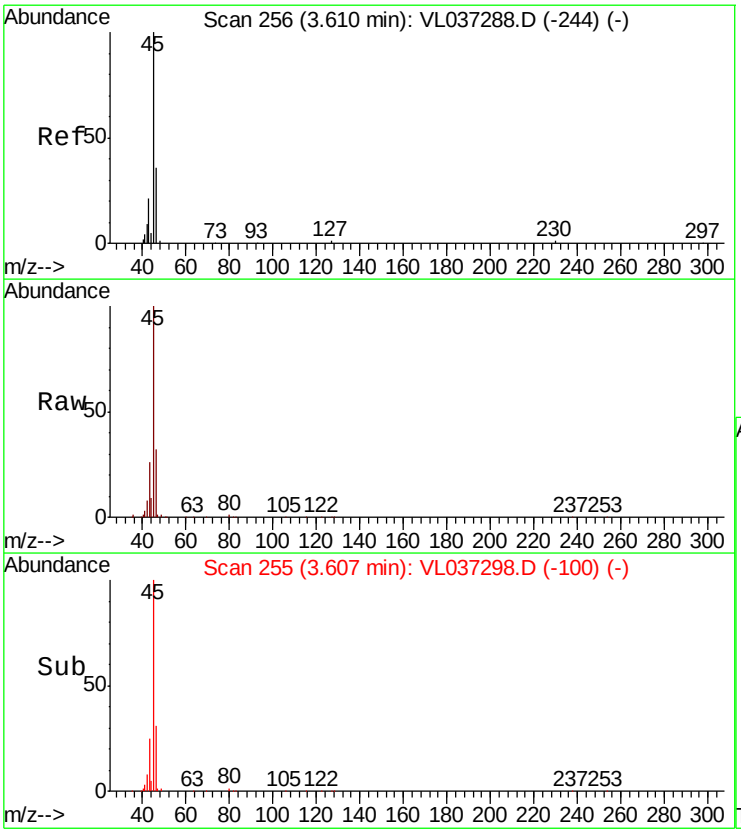
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.053 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 8465

Ion	Ratio	Lower	Upper
101	100		
151	161.2	61.4	92.0#

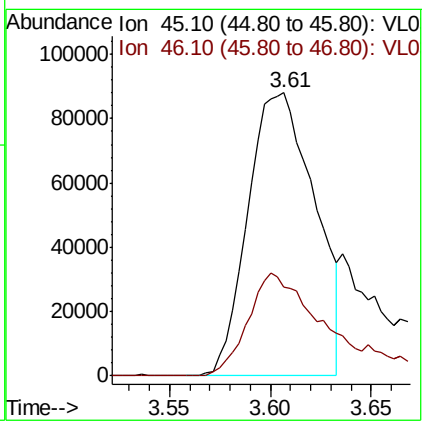


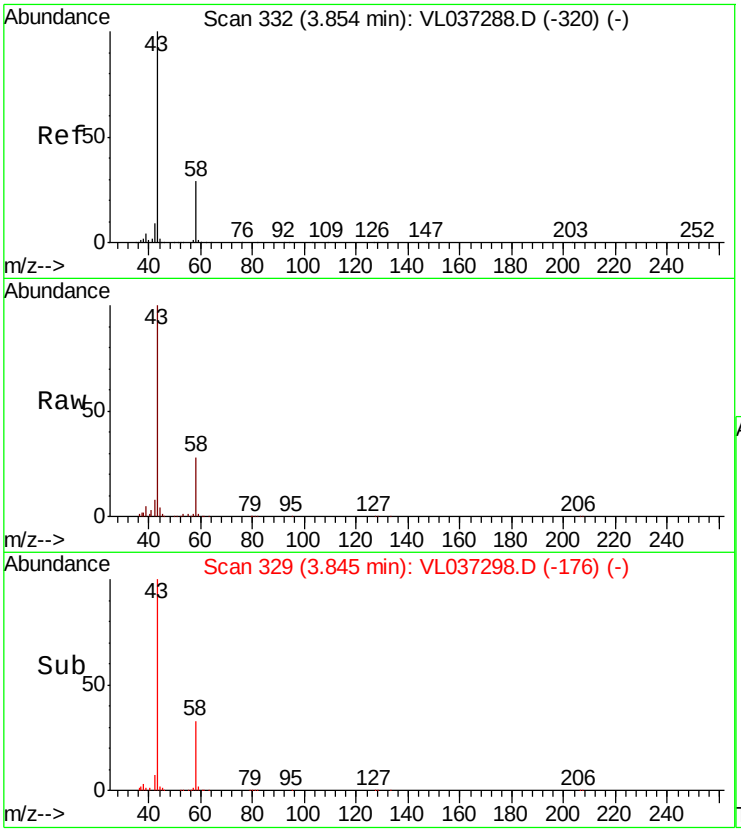


#13
Ethanol
Concen: 11.346 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 45 Resp: 203225

Ion	Ratio	Lower	Upper
45	100		
46	49.7	16.2	64.8



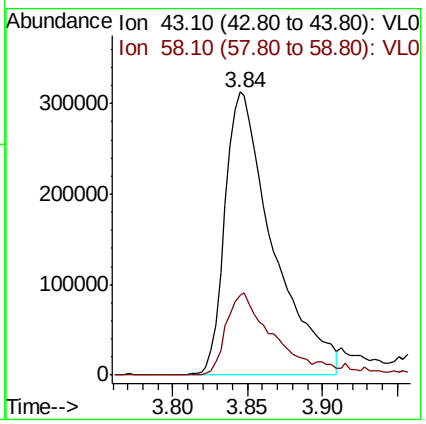


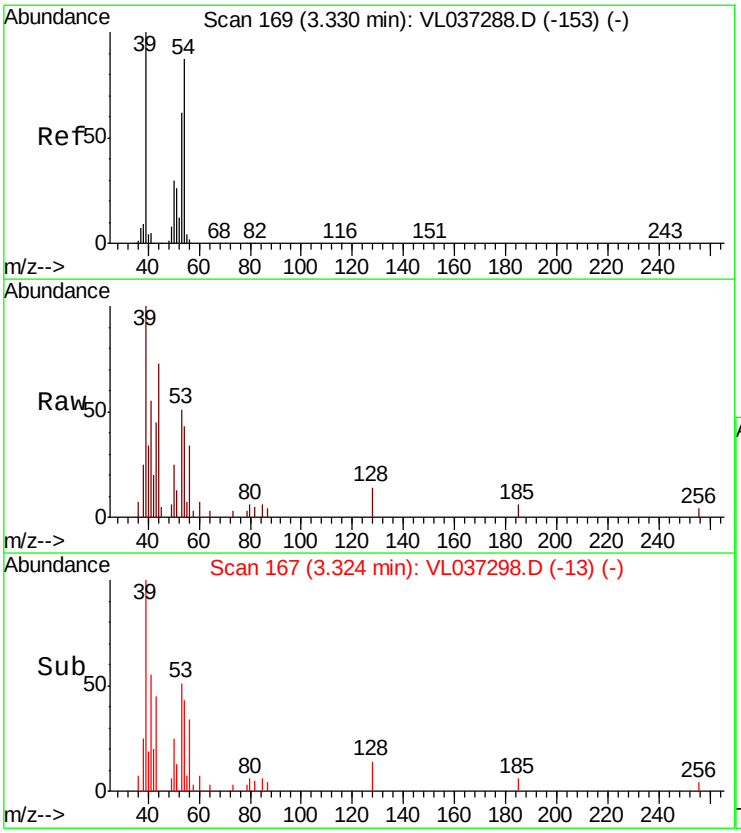
#15
Acetone
Concen: 3.201 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 697000

Ion	Ratio	Lower	Upper
43	100		
58	33.1	24.2	36.4

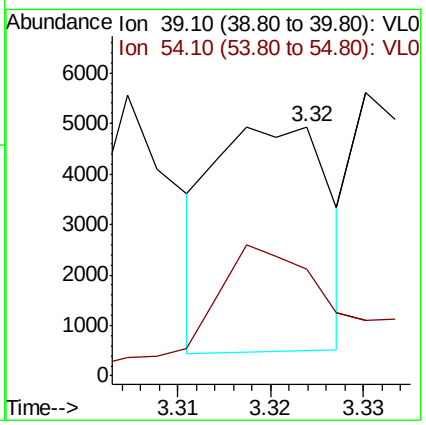


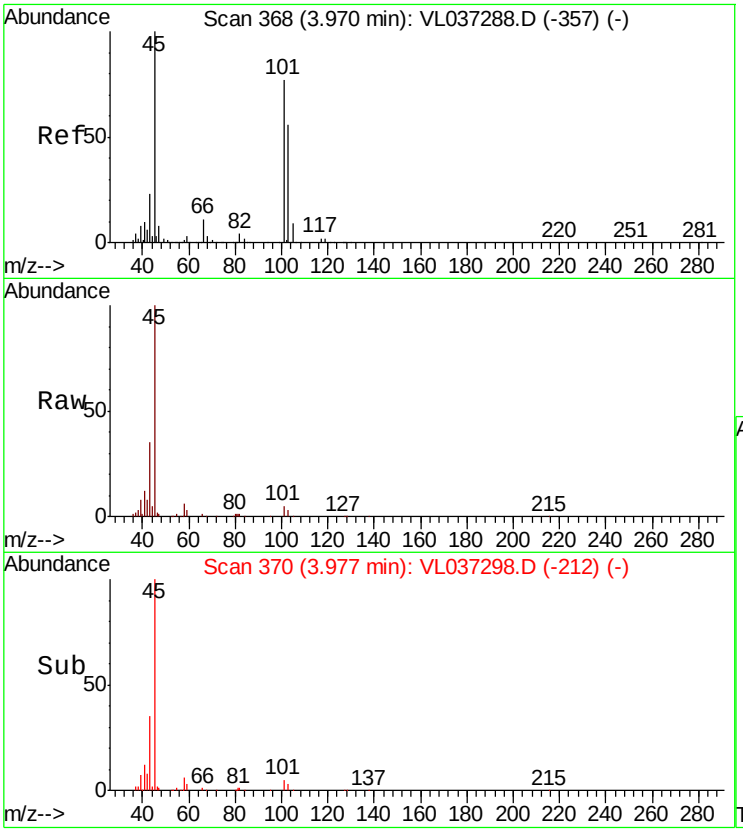


#16
1,3-Butadiene
Concen: 0.047 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 39 Resp: 3820

Ion	Ratio	Lower	Upper
39	100		
54	124.2	63.9	95.9#



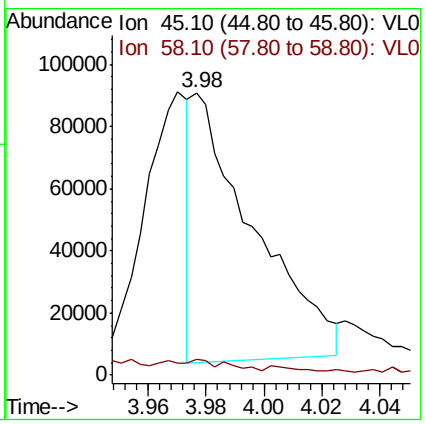


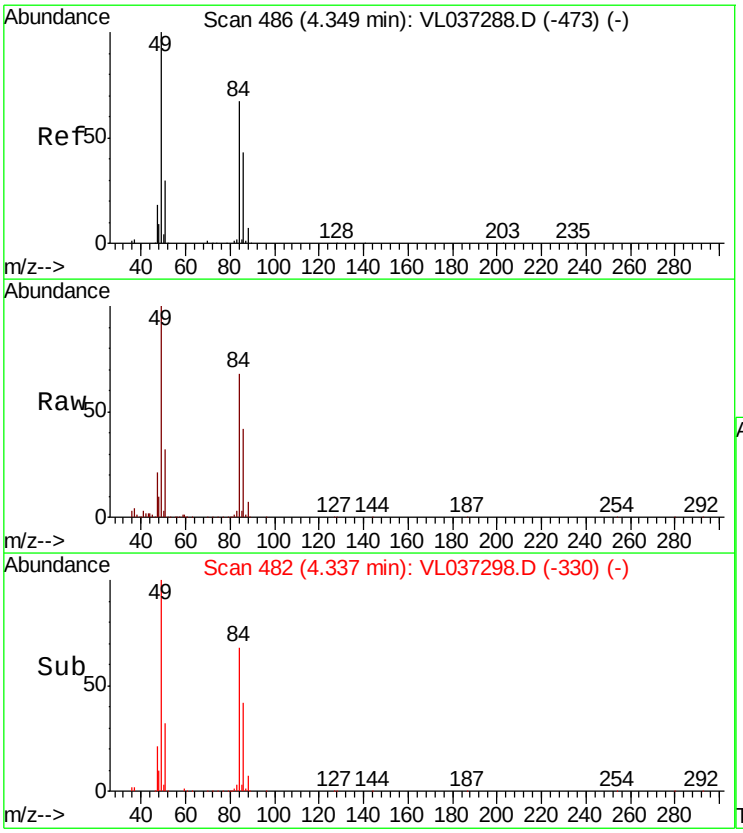
#19
Isopropyl Alcohol
Concen: 1.490 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 125567

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.2	3.2#

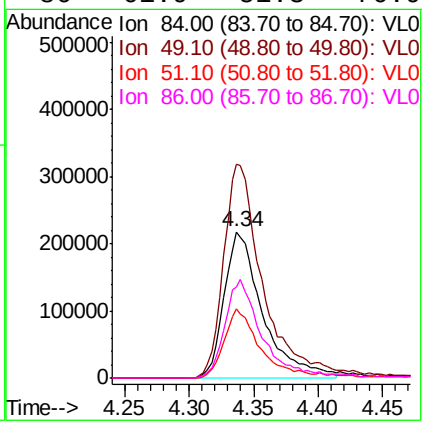


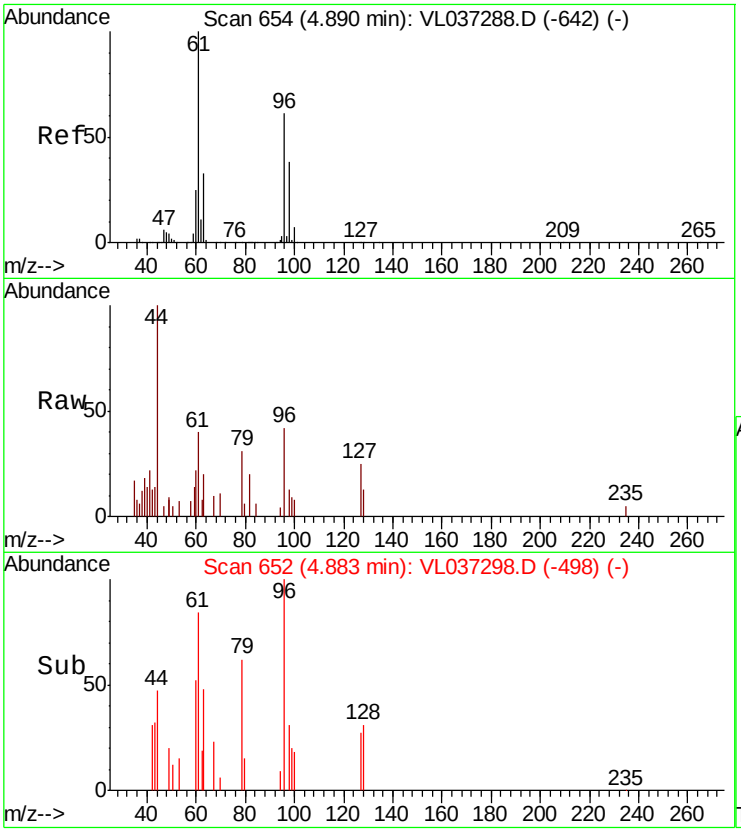


#20
Methylene Chloride
Concen: 5.362 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 84 Resp: 451855

Ion	Ratio	Lower	Upper
84	100		
49	145.8	120.2	180.4
51	46.7	36.5	54.7
86	61.9	51.3	76.9



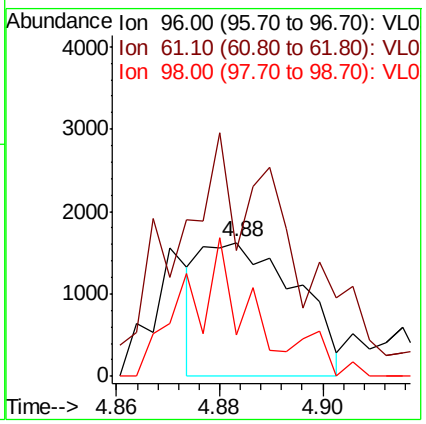


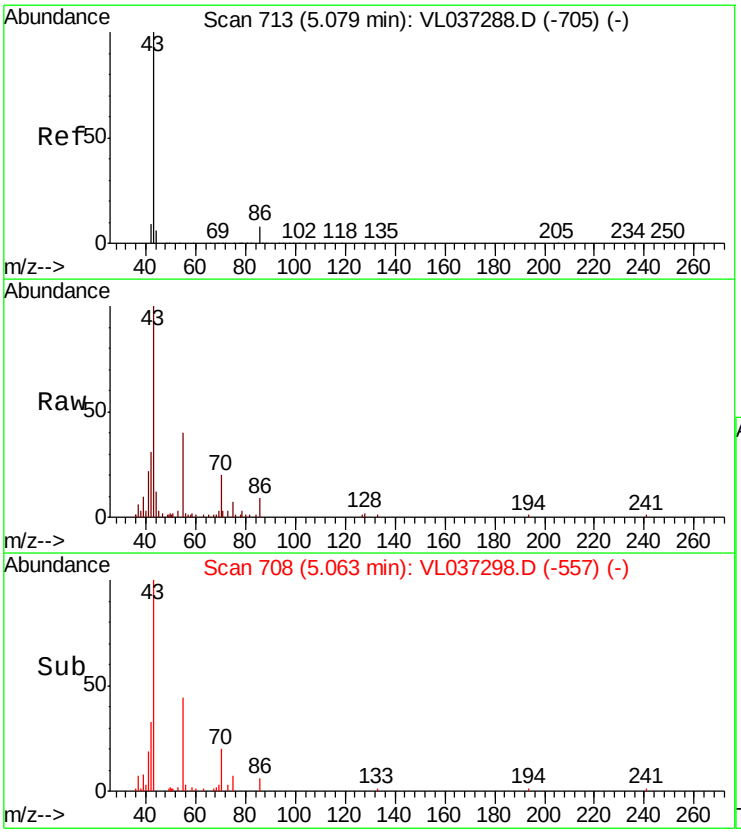
#22
trans-1,2-Dichloroethene
Concen: 0.031 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 2100

Ion	Ratio	Lower	Upper
96	100		
61	43.3	131.1	196.7#
98	37.1	49.9	74.9#

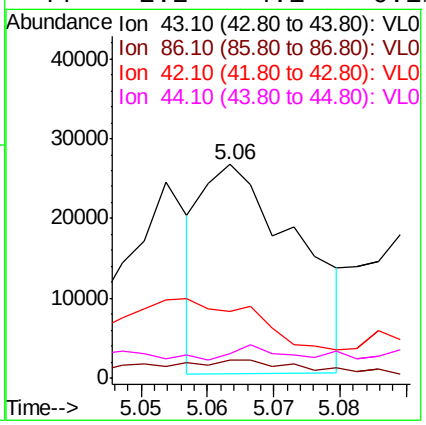


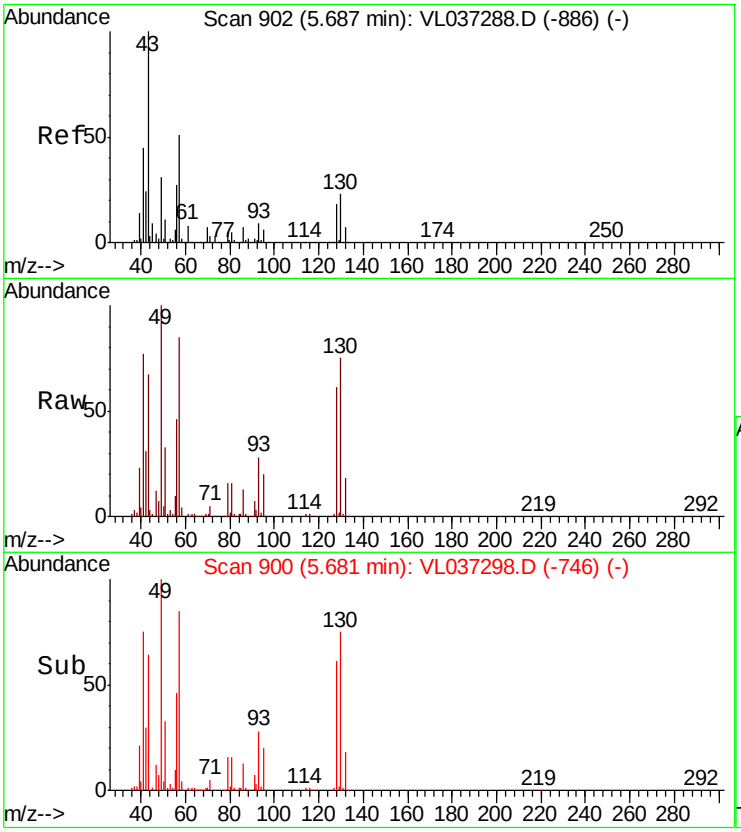


#23
Vinyl Acetate
Concen: 0.144 ppbv
RT: 5.06 min Scan# 708
Delta R.T. -0.02 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 43 Resp: 26512

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.7	8.5
42	37.1	8.1	12.1#
44	2.2	4.1	6.1#



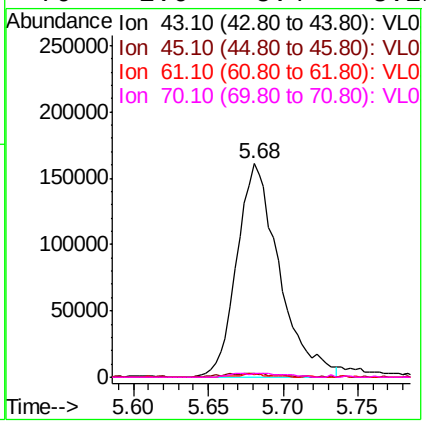


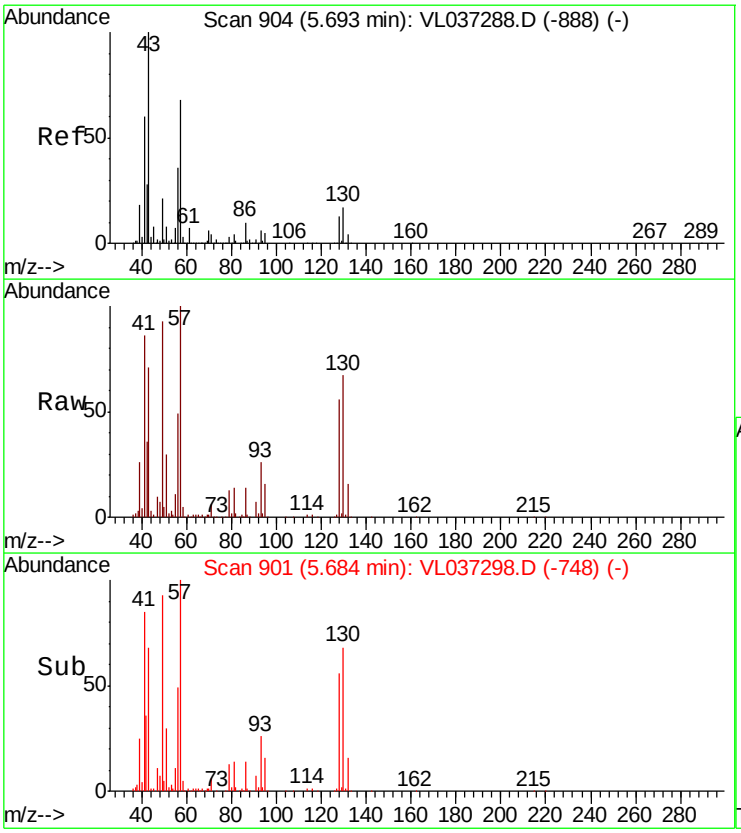
#25
Ethyl Acetate
Concen: 1.009 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 318881

Ion	Ratio	Lower	Upper
43	100		
45	2.7	7.4	11.2#
61	1.5	7.8	11.6#
70	2.6	5.4	8.2#

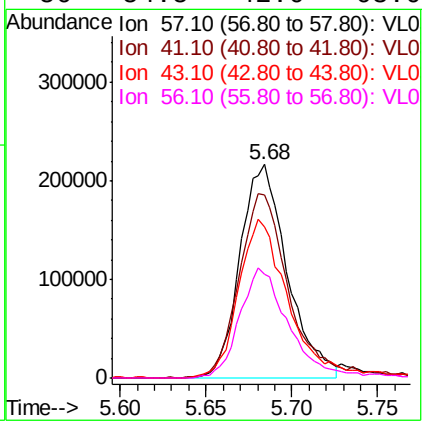


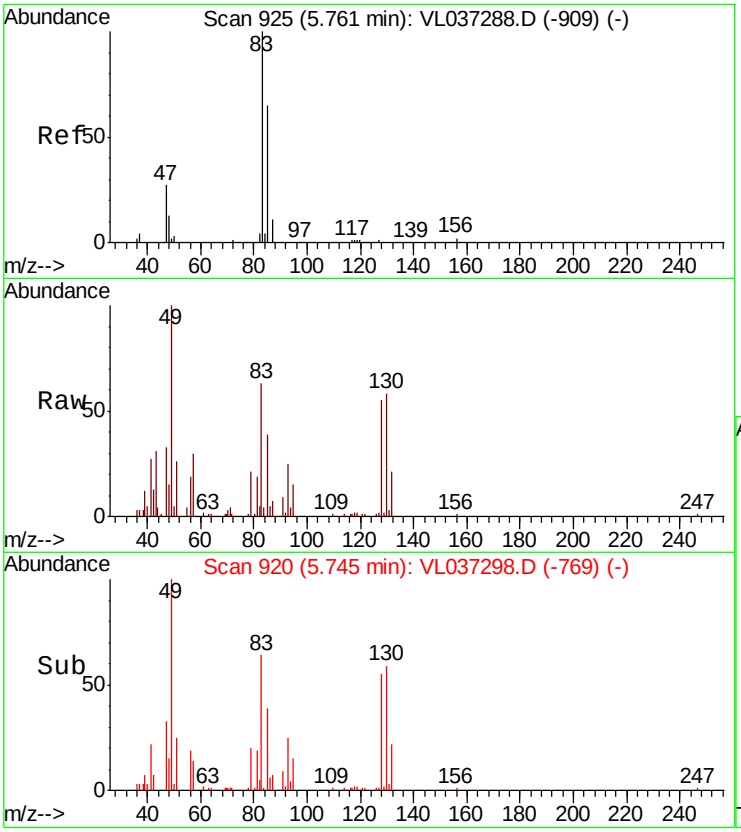


#26
Hexane
Concen: 2.449 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 57 Resp: 413545

Ion	Ratio	Lower	Upper
57	100		
41	94.4	71.0	106.6
43	81.4	155.0	232.4#
56	54.5	42.0	63.0



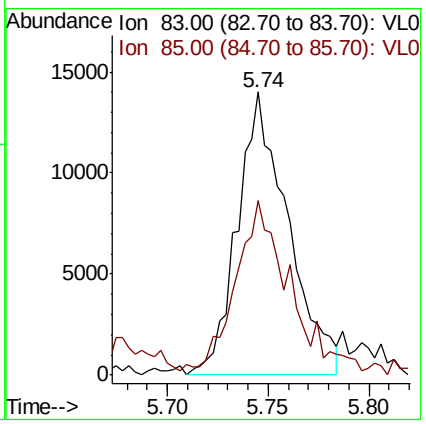


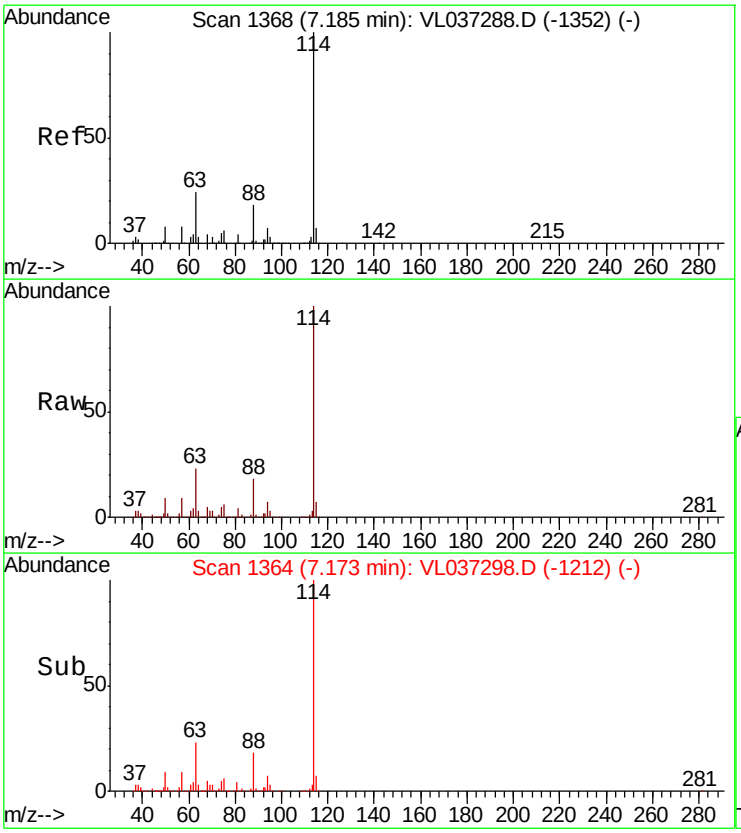
#29
Chloroform
Concen: 0.102 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 24618

Ion	Ratio	Lower	Upper
83	100		
85	57.9	51.9	77.9

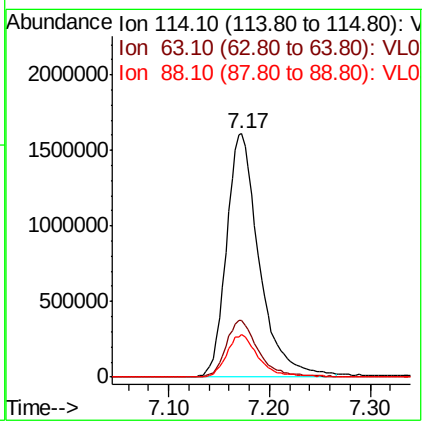


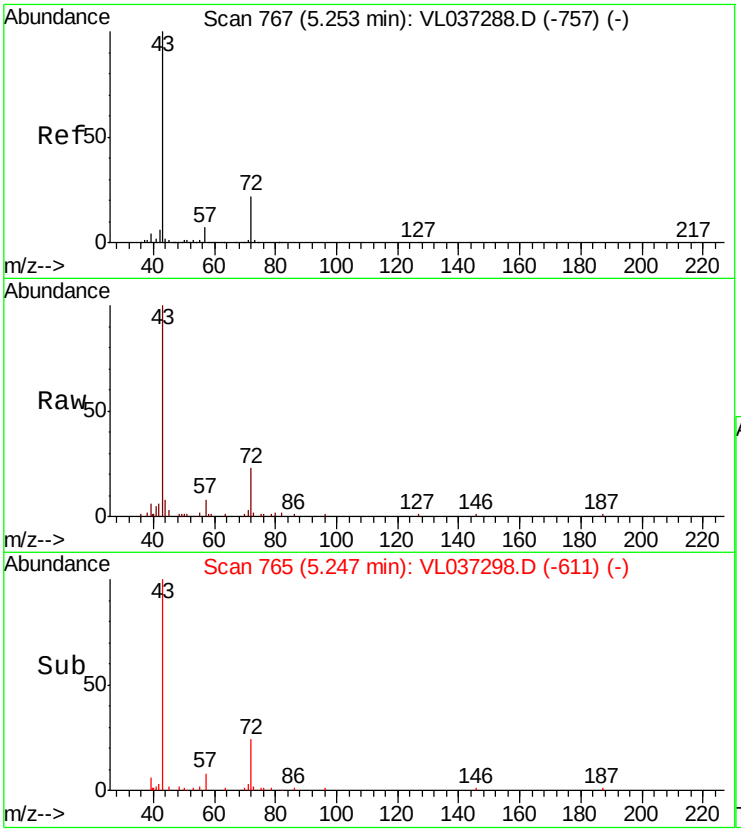


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion:114 Resp: 3649561

Ion	Ratio	Lower	Upper
114	100		
63	23.3	19.0	28.4
88	17.2	14.0	21.0



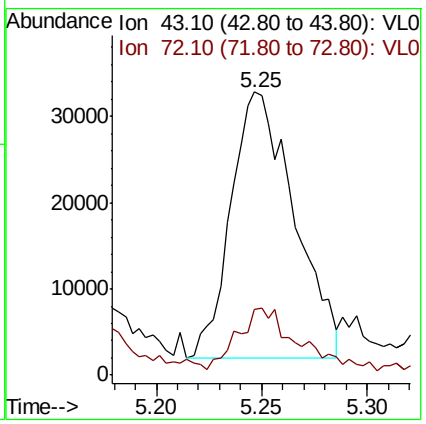


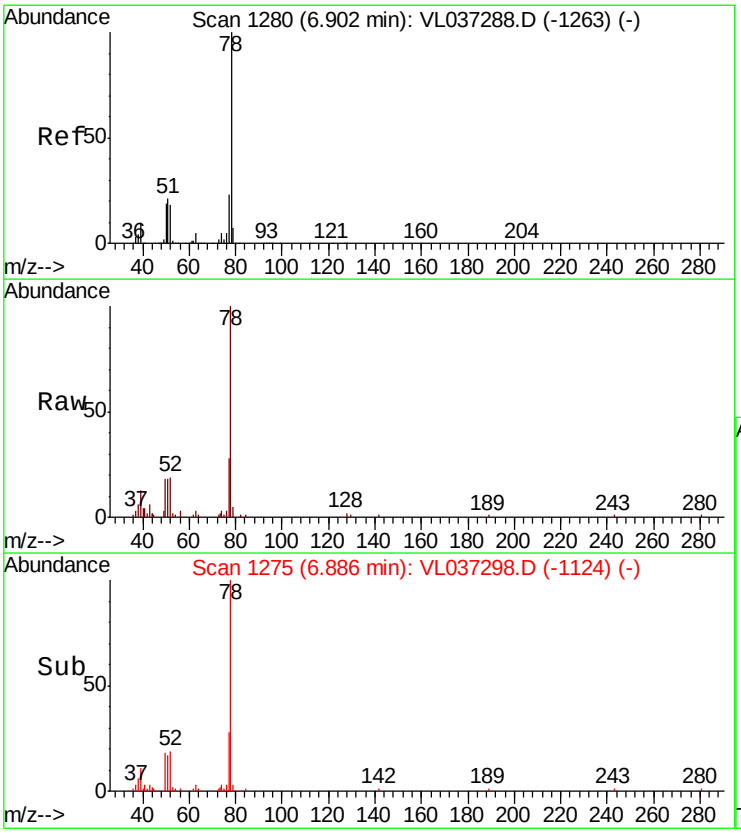
#34
2-Butanone
Concen: 0.410 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 64163

Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.5	27.7

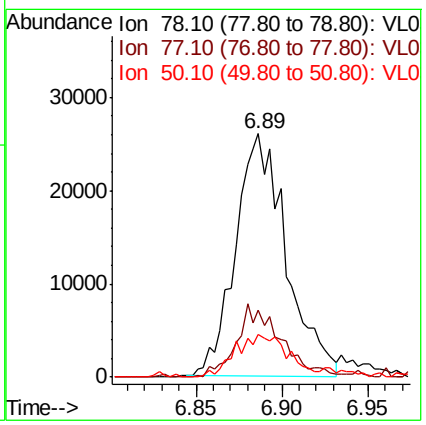


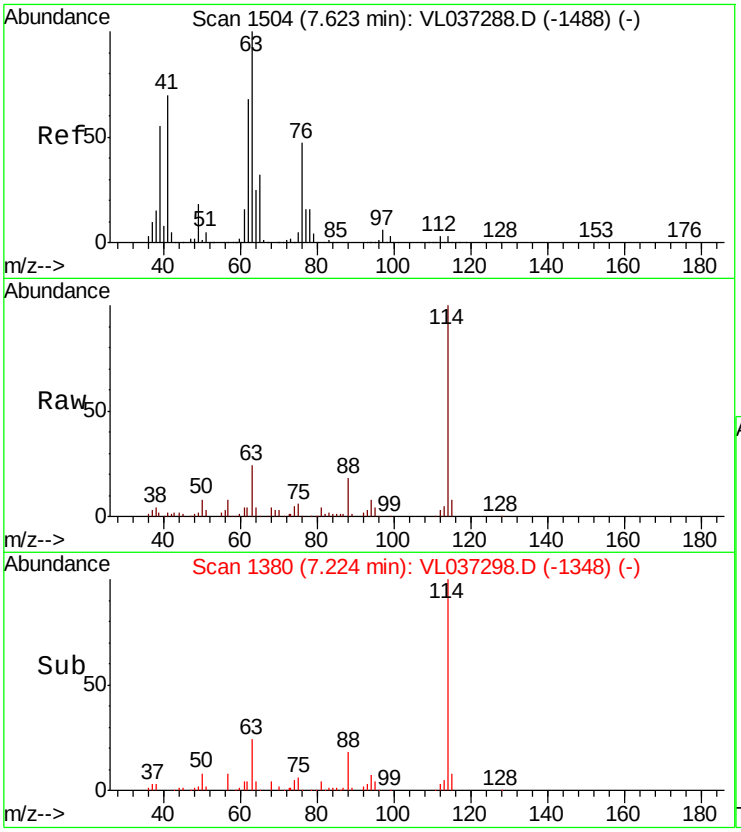


#36
Benzene
Concen: 0.172 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.02 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 78 Resp: 53035

Ion	Ratio	Lower	Upper
78	100		
77	27.9	18.3	27.5#
50	17.7	15.5	23.3



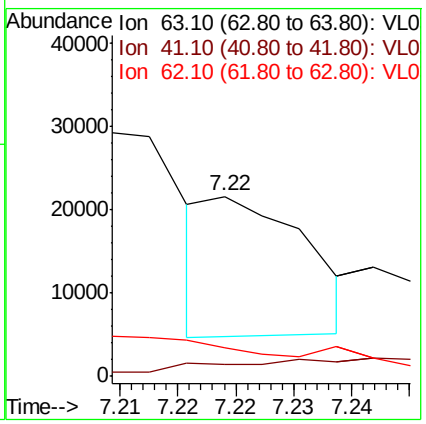


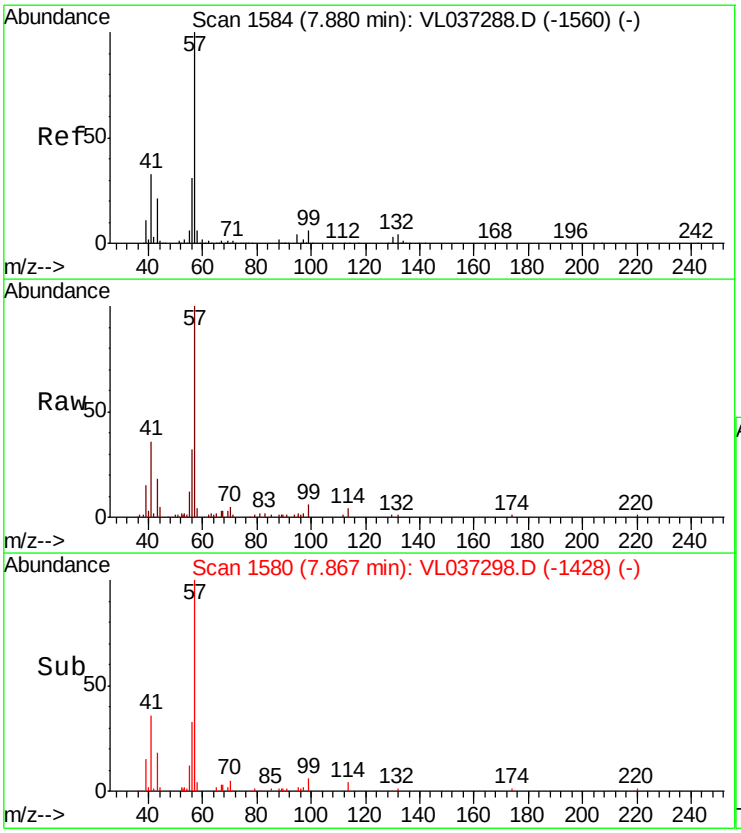
#39
1,2-Dichloropropane
Concen: 0.085 ppbv
RT: 7.22 min Scan# 1380
Delta R.T. -0.40 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 9865

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.4	84.6#
62	0.0	54.6	82.0#

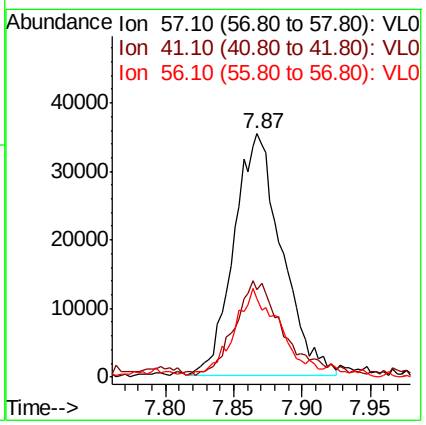


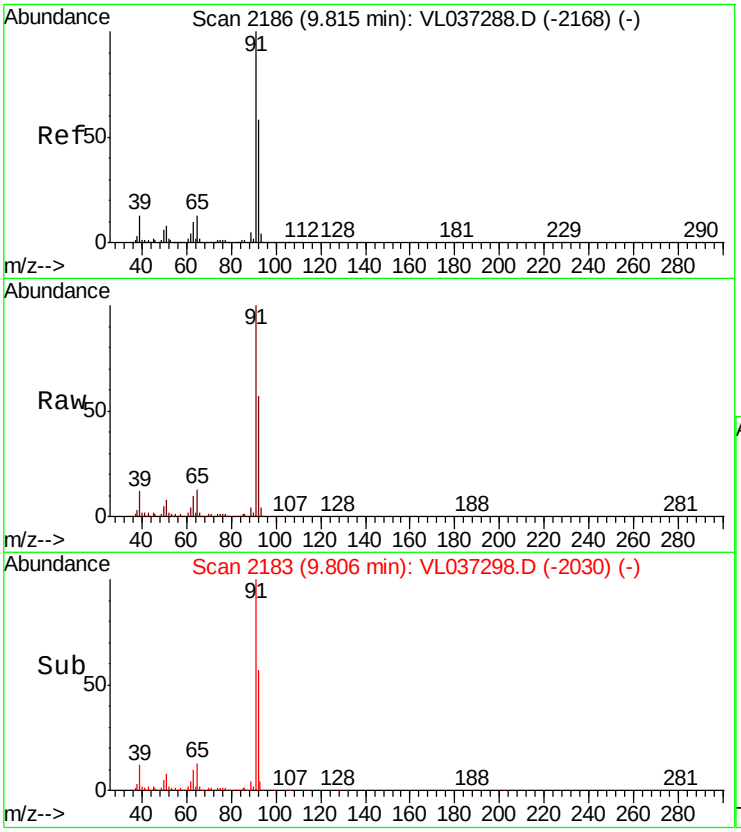


#44
2,2,4-Trimethylpentane
Concen: 0.171 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 57 Resp: 86527

Ion	Ratio	Lower	Upper
57	100		
41	37.5	26.6	40.0
56	38.4	25.3	37.9#



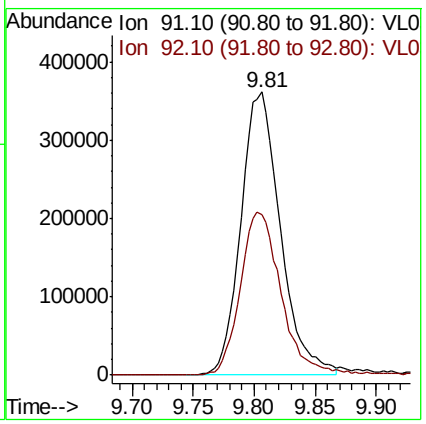


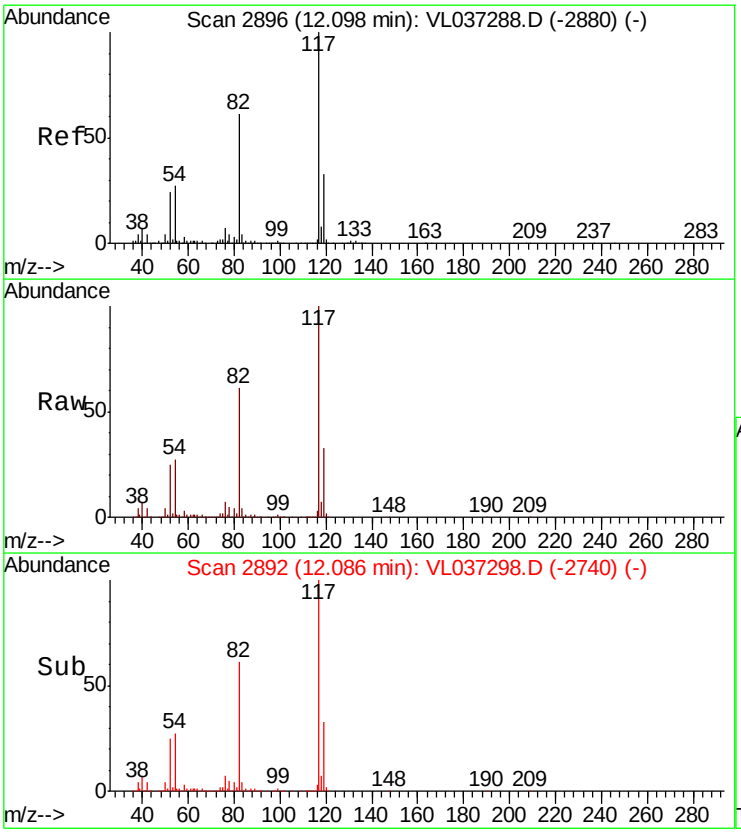
#53
Toluene
Concen: 2.225 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 808258

Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.2	72.2

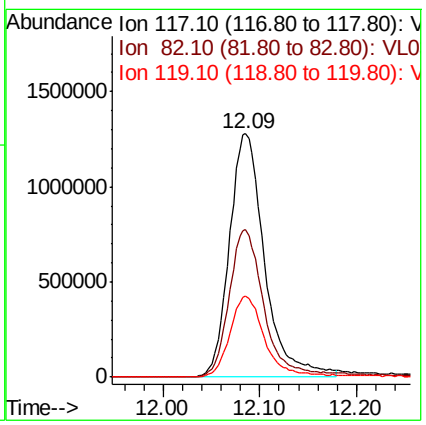


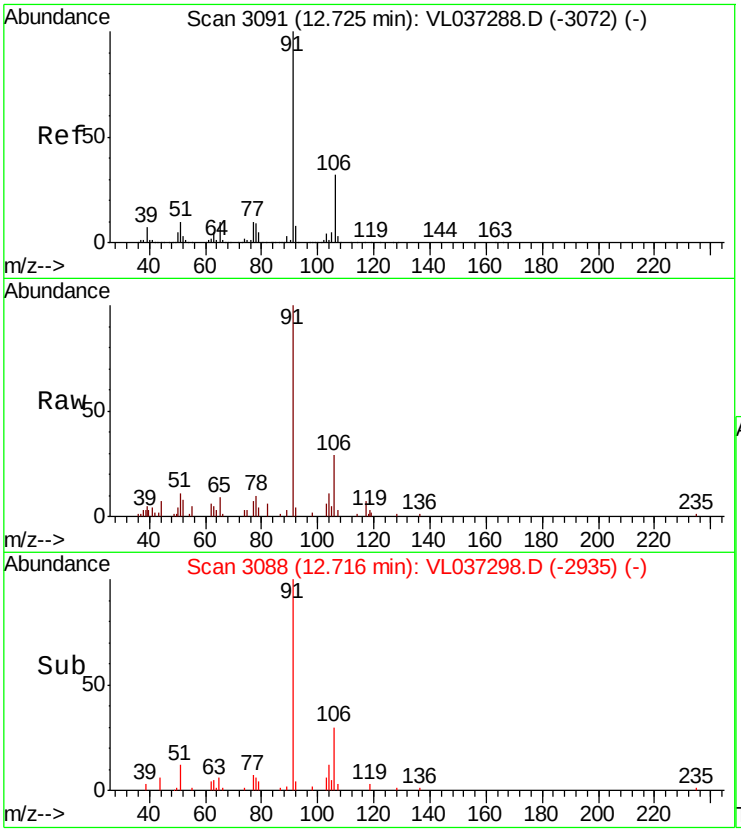


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion:117 Resp: 3237465

Ion	Ratio	Lower	Upper
117	100		
82	62.1	47.2	70.8
119	34.2	45.8	68.8#



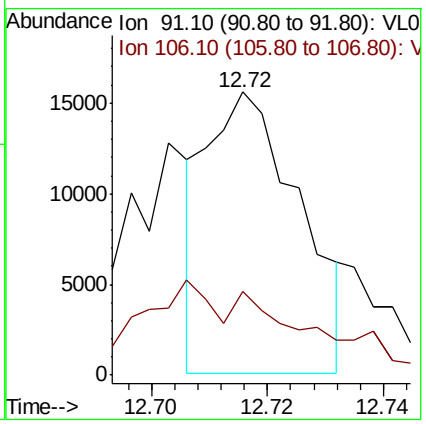


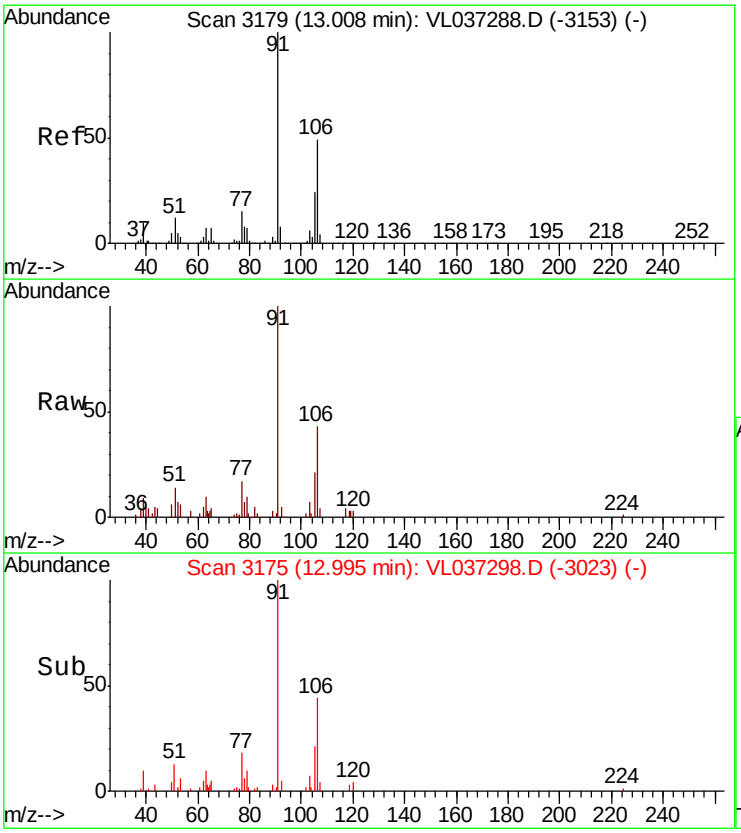
#58
Ethyl Benzene
Concen: 0.039 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 17198

Ion	Ratio	Lower	Upper
91	100		
106	28.2	25.4	38.0

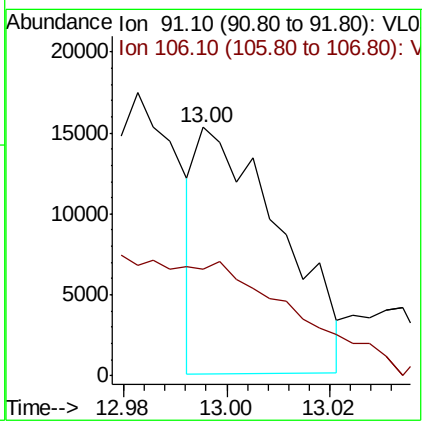


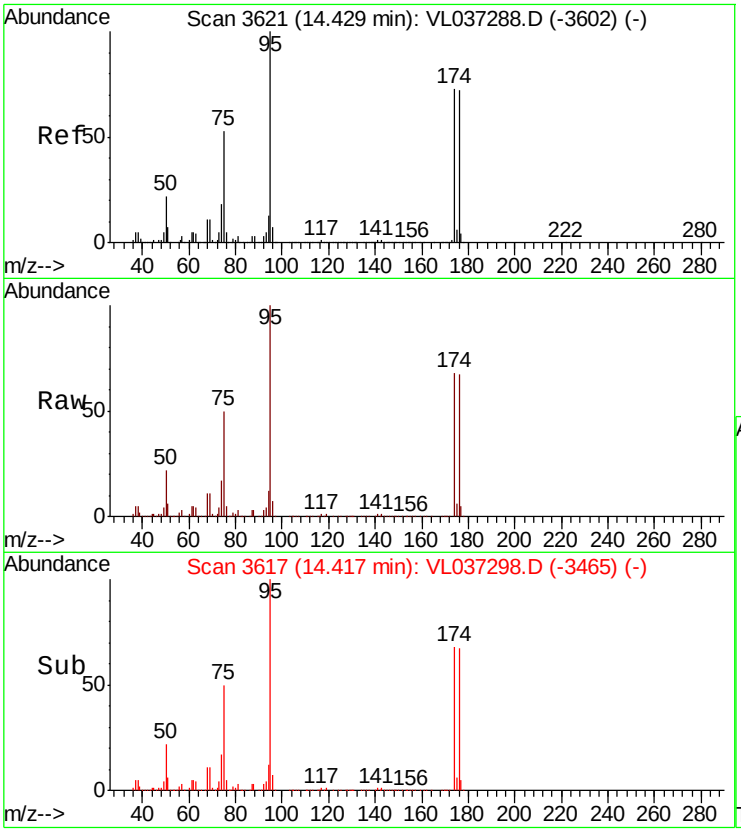


#59
m/p-Xylene
Concen: 0.045 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion: 91 Resp: 17112

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.3	55.9#



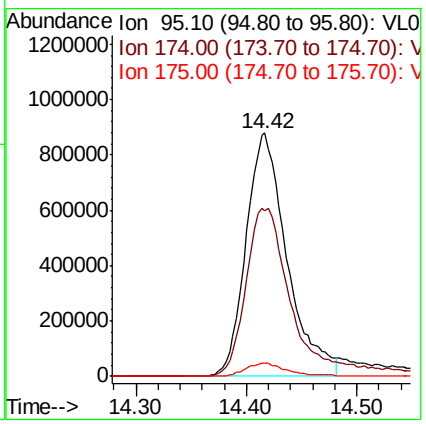


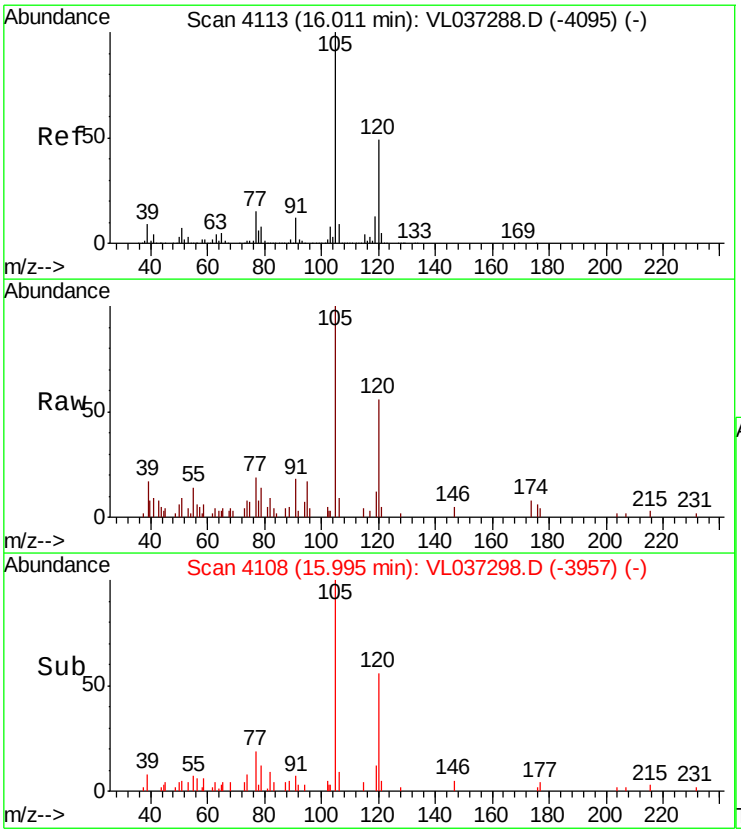
#68
1-Bromo-4-Fluorobenzene
Concen: 9.596 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2260238

Ion	Ratio	Lower	Upper
95	100		
174	81.0	59.8	89.6
175	5.9	4.5	6.7

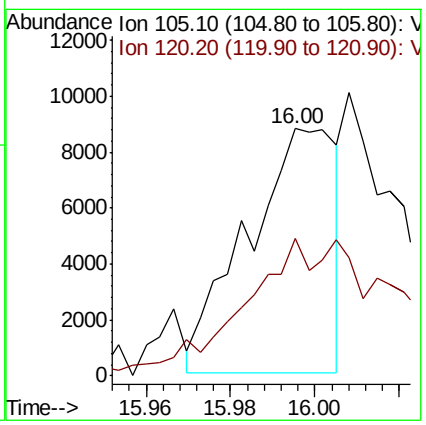


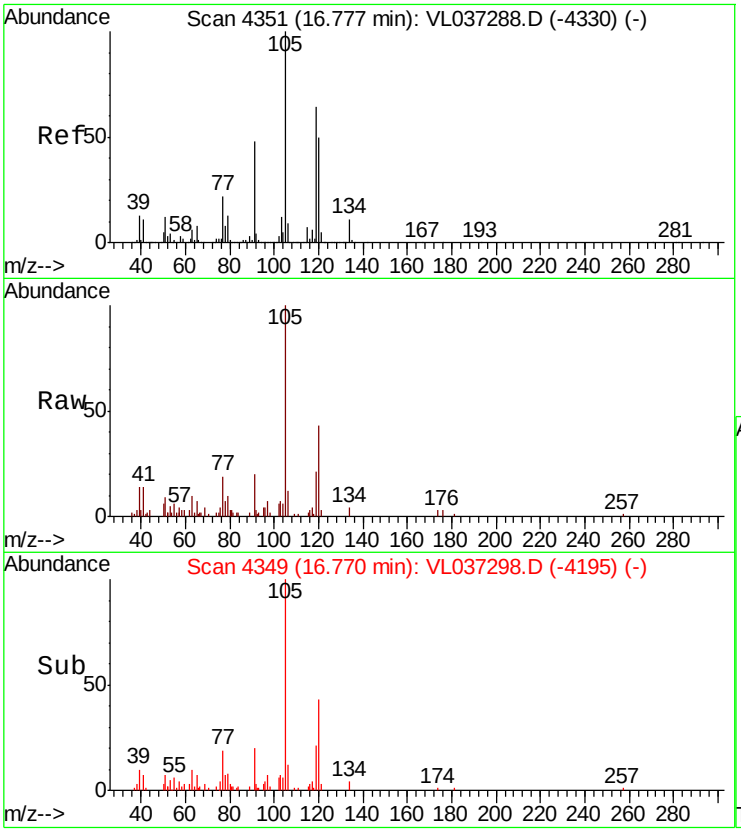


#73
1,3,5-Trimethylbenzene
Concen: 0.032 ppbv
RT: 16.00 min Scan# 4108
Delta R.T. -0.02 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion:105 Resp: 12711

Ion	Ratio	Lower	Upper
105	100		
120	43.1	39.0	58.6



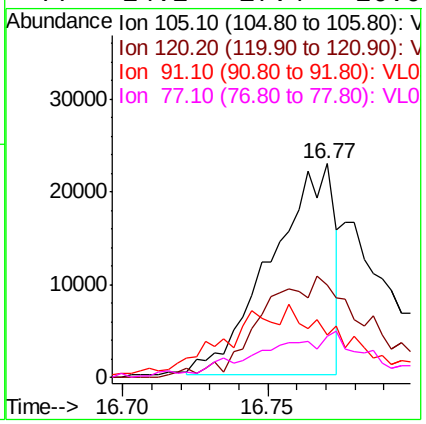


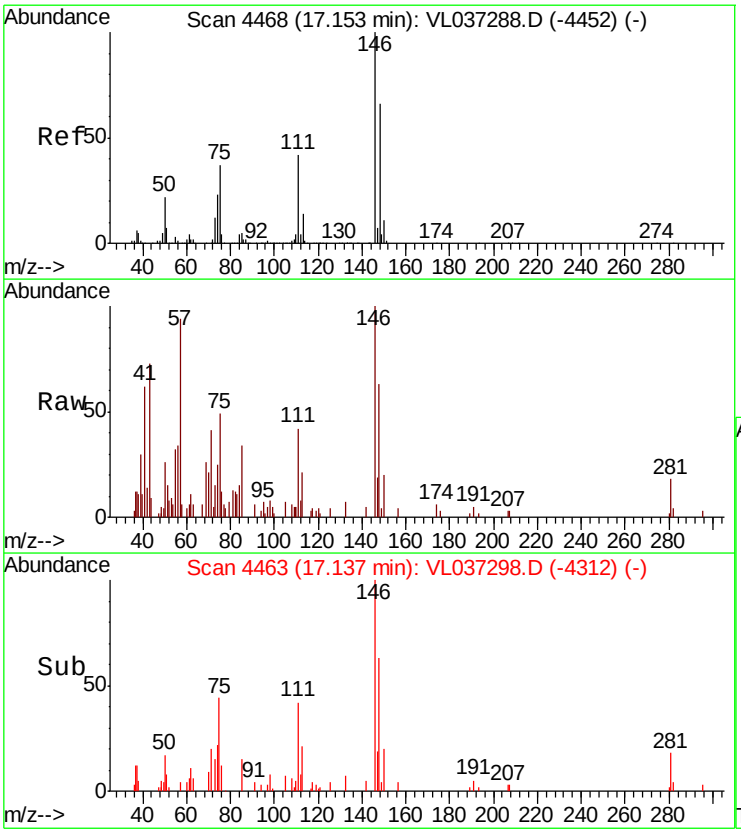
#74
1,2,4-Trimethylbenzene
Concen: 0.078 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 34633

Ion	Ratio	Lower	Upper
105	100		
120	39.8	40.2	60.4#
91	10.6	39.0	58.6#
77	24.2	17.4	26.0

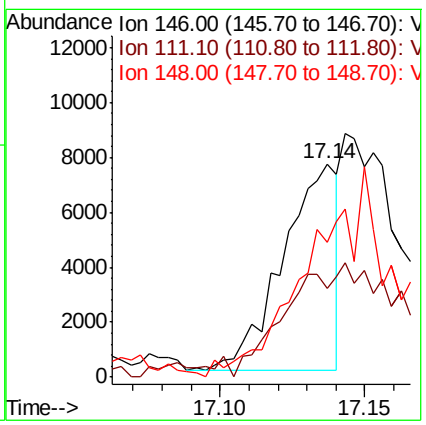


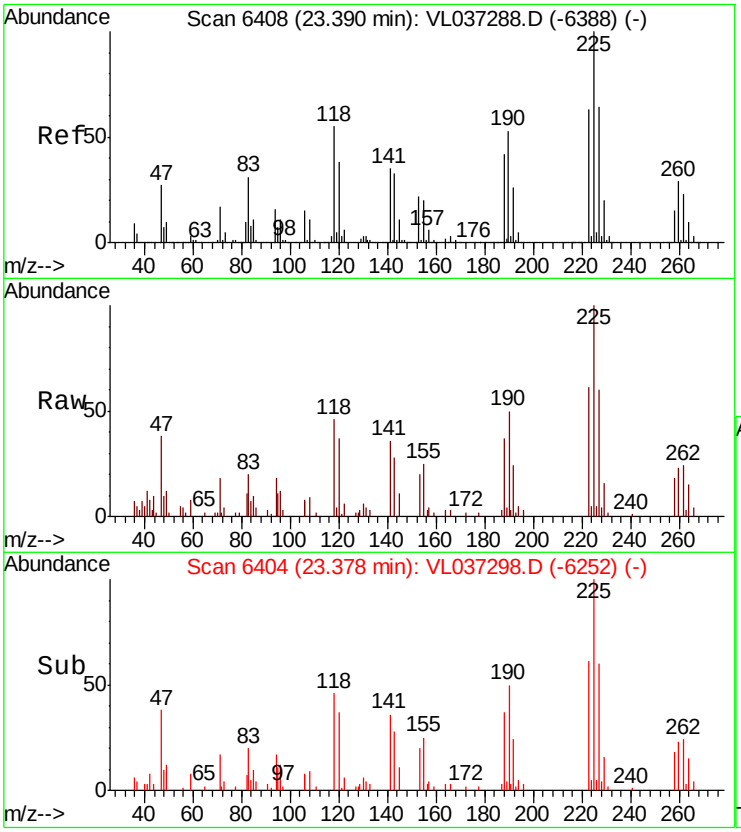


#76
1,4-Dichlorobenzene
Concen: 0.036 ppbv
RT: 17.14 min Scan# 4463
Delta R.T. -0.02 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion:146 Resp: 9866

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.2	63.6#
148	0.0	32.9	98.6#



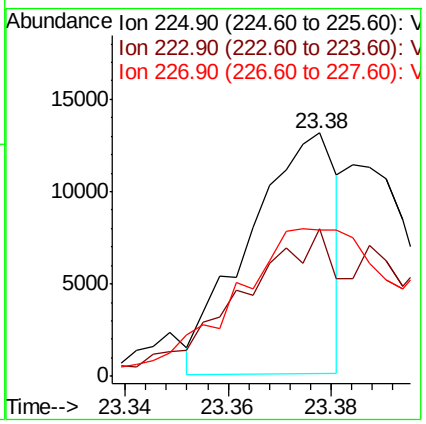


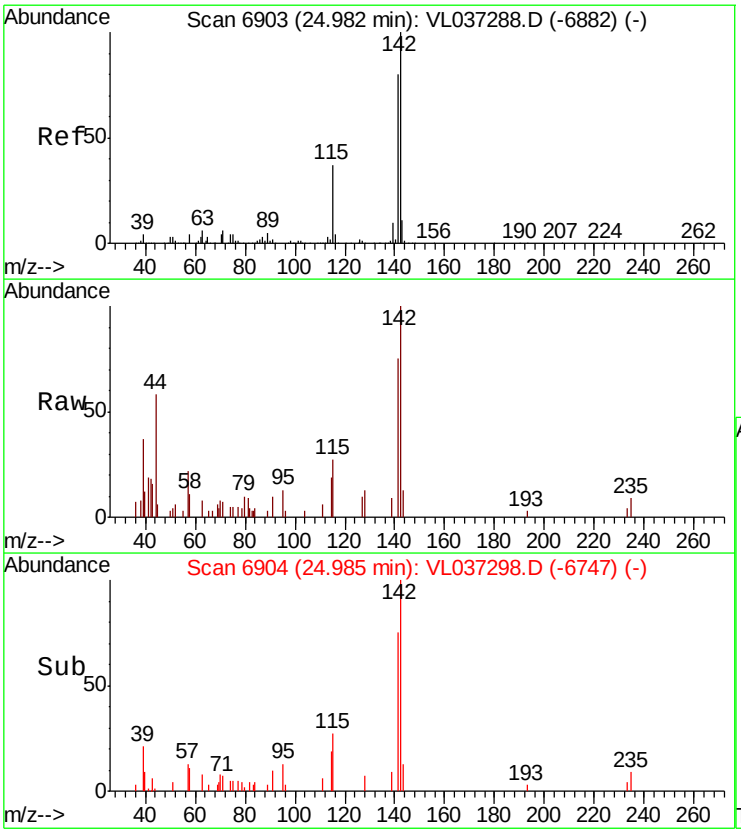
#78
Hexachloro-1,3-Butadiene
Concen: 0.080 ppbv
RT: 23.38 min Scan# 6404
Delta R.T. -0.01 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:225 Resp: 15330

Ion	Ratio	Lower	Upper
225	100		
223	137.9	51.7	77.5#
227	142.9	51.8	77.8#

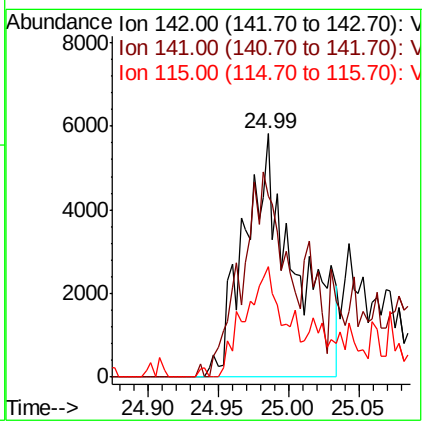


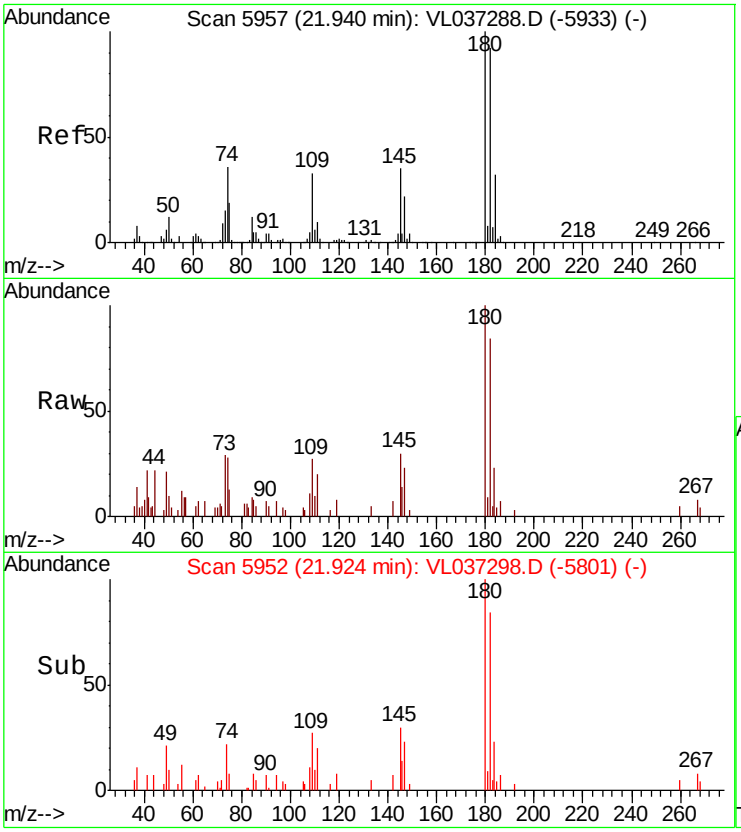


#80
Naphthalene,2-methyl-
Concen: 0.149 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.00 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Tgt Ion:142 Resp: 14855

Ion	Ratio	Lower	Upper
142	100		
141	67.5	67.0	100.6
115	52.3	28.6	42.8#





#81
1,2,4-Trichlorobenzene
Concen: 0.039 ppbv
RT: 21.92 min Scan# 5952
Delta R.T. -0.02 min
Lab File: VL037298.D
Acq: 31 Jul 2021 1:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 8055

Ion	Ratio	Lower	Upper
180	100		
182	0.0	80.8	121.2#
184	0.0	25.4	38.2#