Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033121\
Data File : VL036615.D
Acq On : 1 Apr 2021 00:02
Operator : SY/AP
Sample : M1807-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Apr 01 04:31:14 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1368213	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	3359722	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2983222	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2340097	9.84	ppbv		0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	36073	0.162	ppbv		92
3) Chlorodifluoromethane	3.00	51	114465	0.448	ppbv	#	87
4) Chloromethane	3.15	50	50057	0.554	ppbv	#	87
9) Propene	3.02	41	68763	0.844	ppbv		84
10) Heptane	8.14	43	187535	0.903	ppbv		96
11) Trichlorofluoromethane	3.95	101	43130	0.190	ppbv		86
13) Ethanol	3.61	45	739855	76.237	ppbv		96
15) Acetone	3.86	43	1763717	13.097	ppbv		92
16) 1,3-Butadiene	3.31	39	24977	0.266	ppbv	#	19
19) Isopropyl Alcohol	3.99	45	459082	6.197	ppbv	#	1
20) Methylene Chloride	4.35	84	685855	10.878	ppbv		94
23) Vinyl Acetate	5.08	43	55435	0.241	ppbv	#	1
25) Ethyl Acetate	5.70	43	674590	2.107	ppbv	#	80
26) Hexane	5.70	57	872933	5.876	ppbv	#	48
29) Chloroform	5.76	83	17666	0.074	ppbv	#	74
30) Cyclohexane	7.14	84	5597	0.046	ppbv	#	1
34) 2-Butanone	5.27	43	70443	0.430	ppbv	#	90
35) Carbon Tetrachloride	7.03	117	8756	0.034	ppbv		90
36) Benzene	6.91	78	105106	0.339	ppbv		95
39) 1,2-Dichloropropane	7.24	63	14190	0.113	ppbv	#	15
41) Tetrahydrofuran	6.08	42	28408	0.376	ppbv	#	88
44) 2,2,4-Trimethylpentane	7.89	57	154919	0.284	ppbv	#	85
53) Toluene	9.83	91	438970	1.330	ppbv		99
58) Ethyl Benzene	12.73	91	130402	0.300	ppbv		92
59) m/p-Xylene	13.01	91	125283	0.331	ppbv	#	32
60) o-Xylene	13.72	91	143020	0.391	ppbv		99
61) Styrene	13.55	104	16473	0.089	ppbv	#	26
64) n-propylbenzene	15.59	120	2592	0.022	ppbv	#	1
72) 4-Ethyltoluene	15.86	105	37929	0.095	ppbv	#	57
73) 1,3,5-Trimethylbenzene	16.02	105	16221	0.043	ppbv	#	71
74) 1,2,4-Trimethylbenzene	16.79	105	194236	0.485	ppbv	#	68

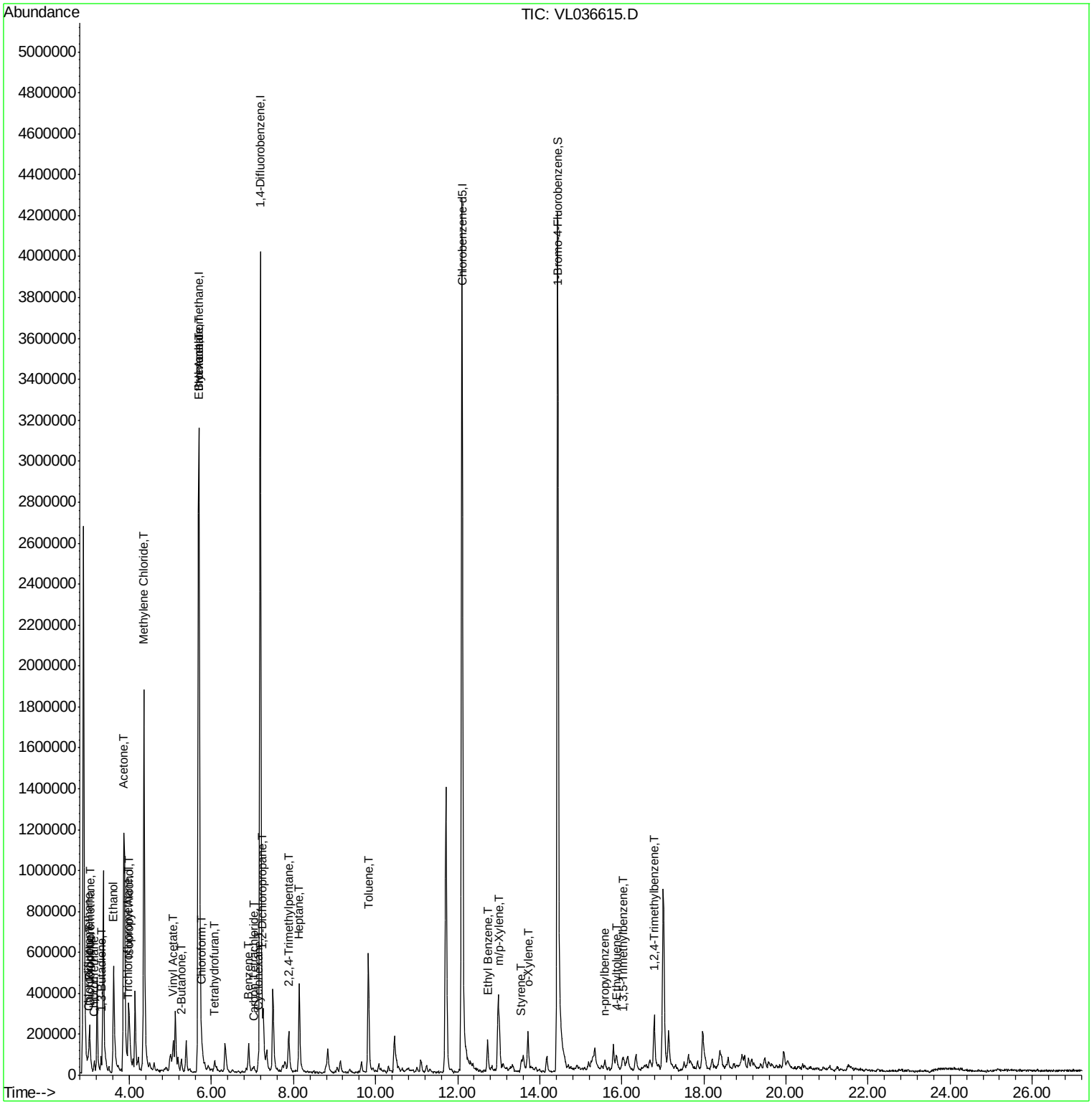
(#) = qualifier out of range (m) = manual integration (+) = signals summed

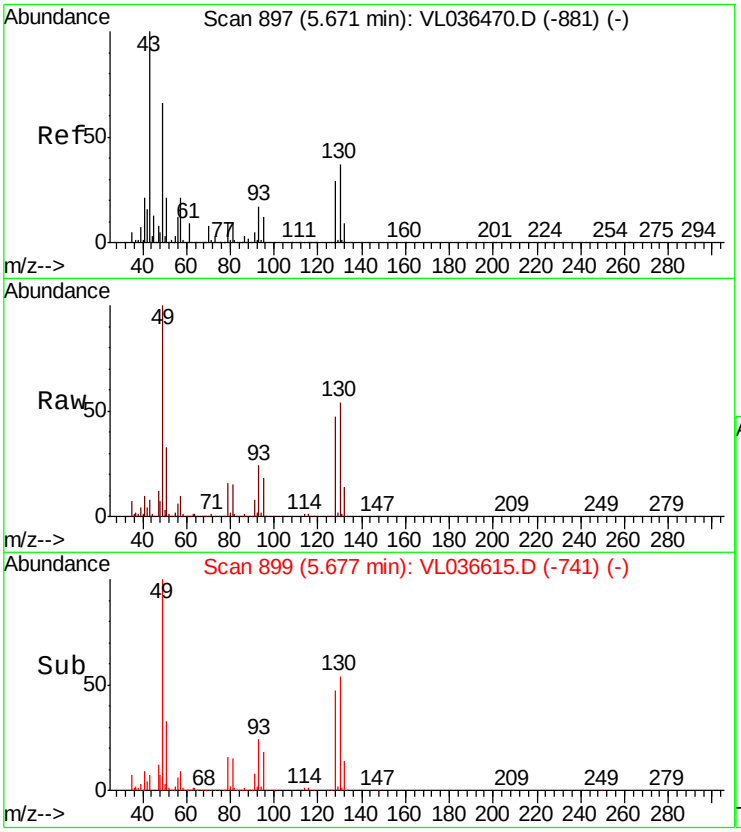
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033121\
Data File : VL036615.D
Acq On : 1 Apr 2021 00:02
Operator : SY/AP
Sample : M1807-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 01 04:31:14 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration



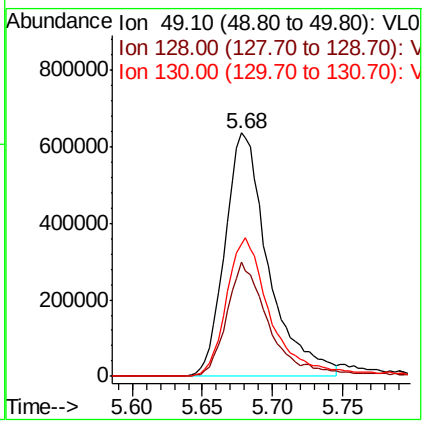


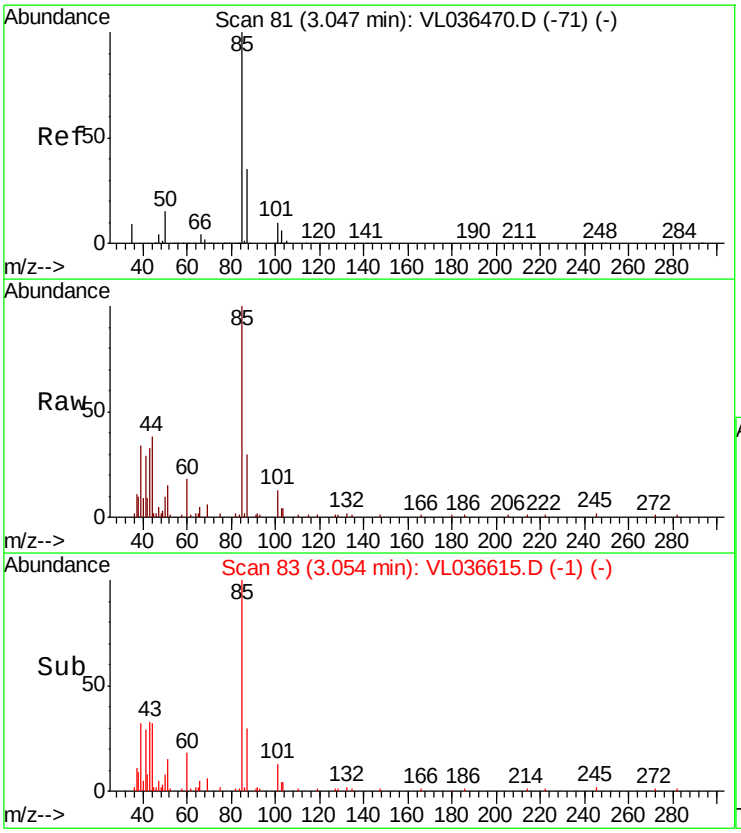
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1368213

Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.5	70.6
130	60.2	29.1	87.4

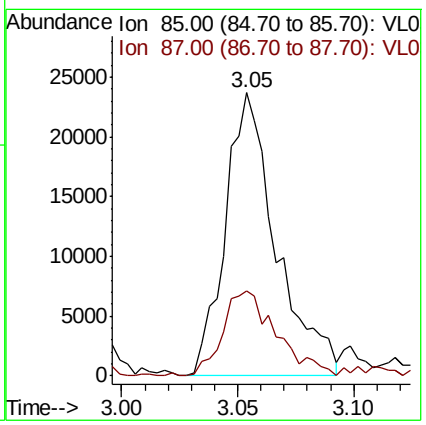


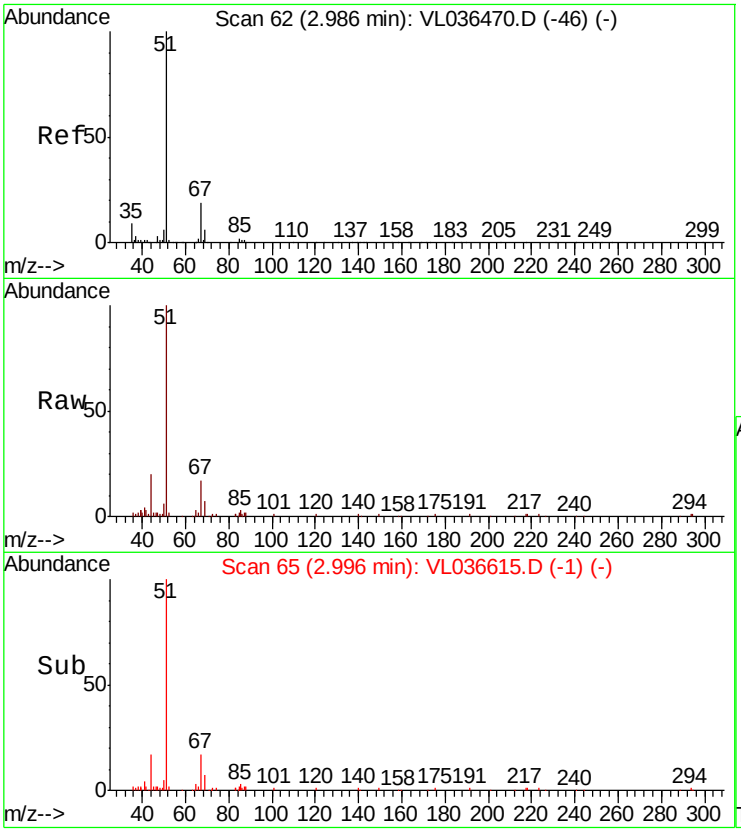


#2
Dichlorodifluoromethane
Concen: 0.162 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 85 Resp: 36073

Ion	Ratio	Lower	Upper
85	100		
87	30.0	27.8	41.8



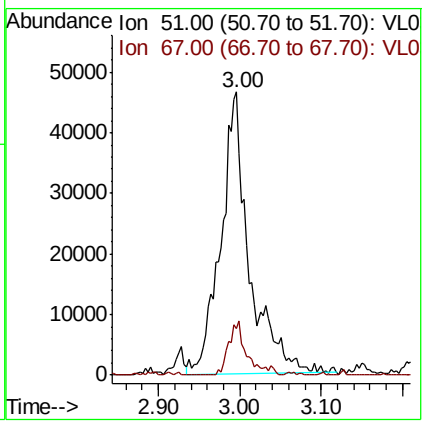


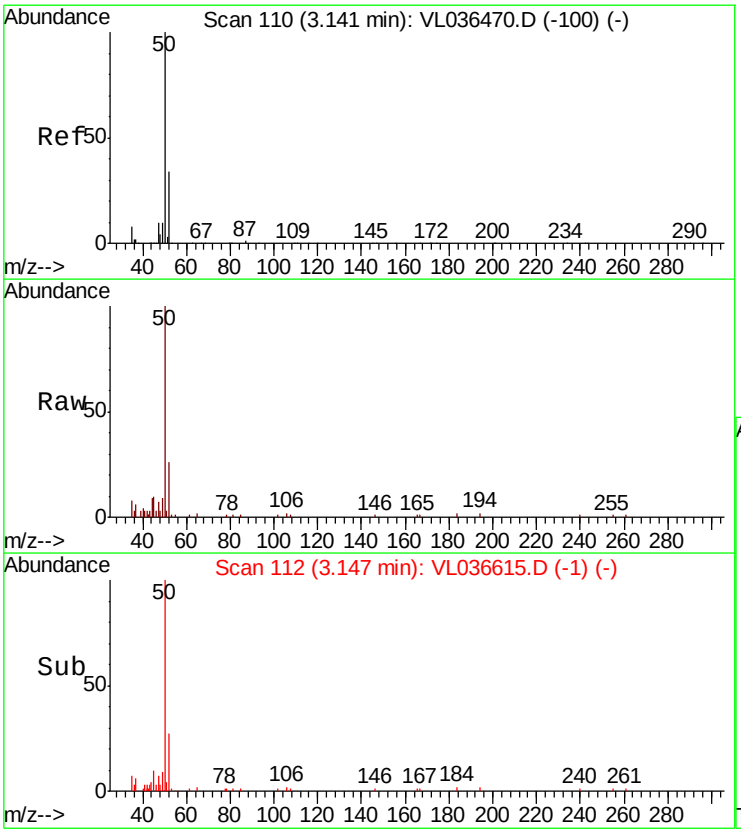
#3
Chlorodifluoromethane
Concen: 0.448 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 114465

Ion	Ratio	Lower	Upper
51	100		
67	12.6	14.7	22.1#

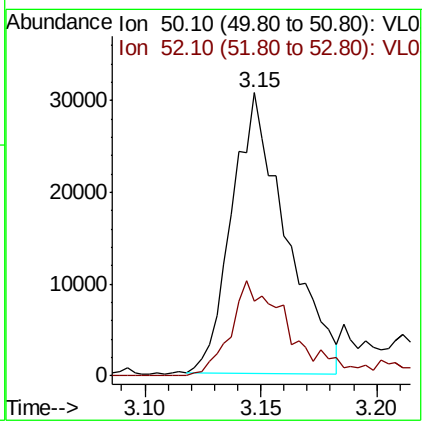


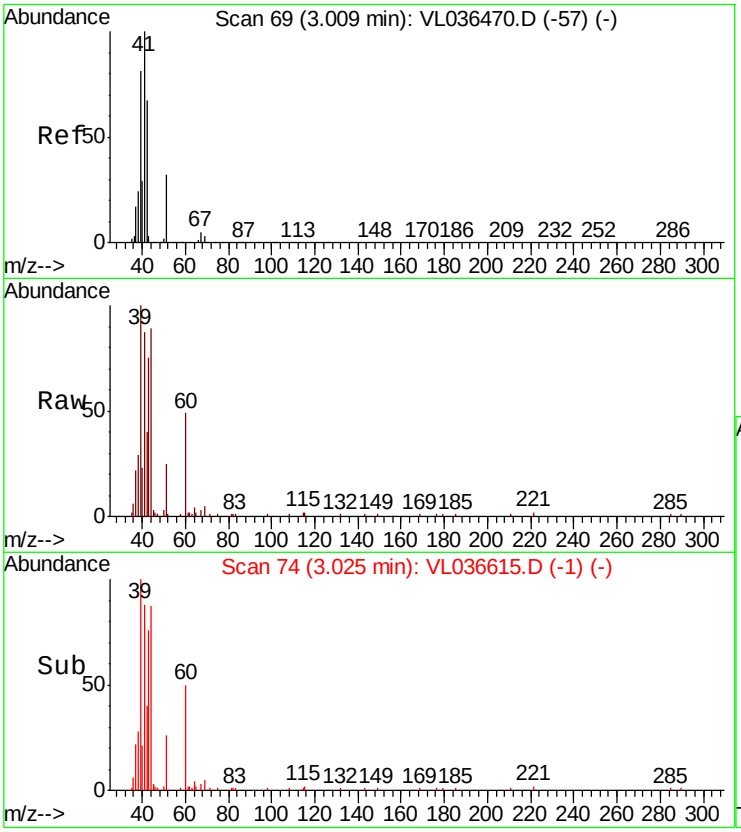


#4
Chloromethane
Concen: 0.554 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 50 Resp: 50057

Ion	Ratio	Lower	Upper
50	100		
52	26.6	27.0	40.6#



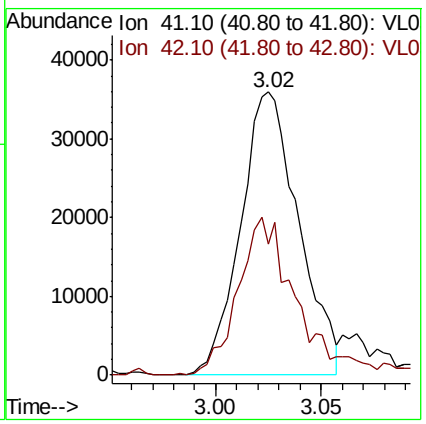


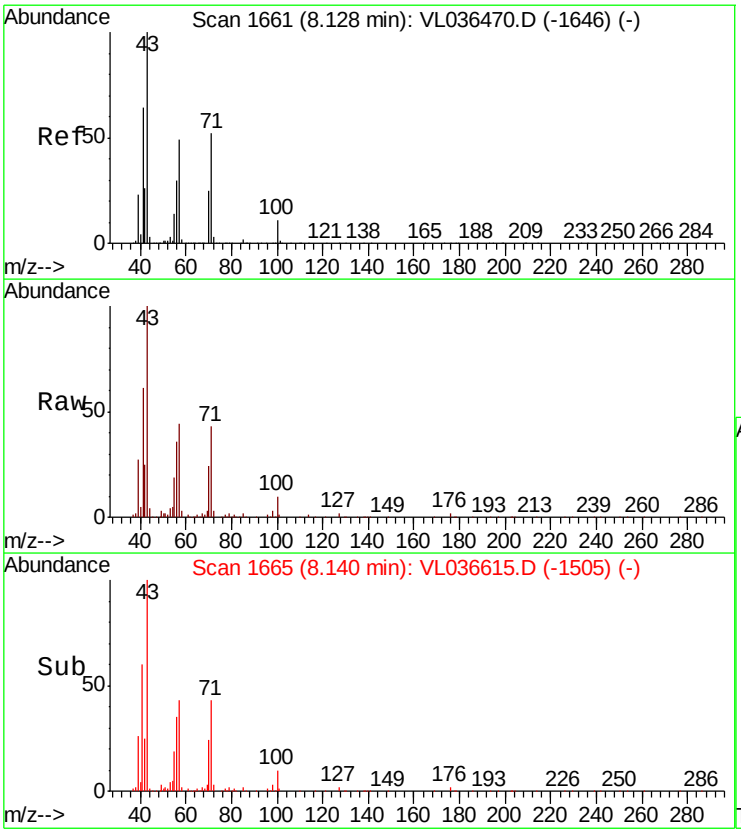
#9
Propene
Concen: 0.844 ppbv
RT: 3.02 min Scan# 74
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 68763

Ion	Ratio	Lower	Upper
41	100		
42	57.6	57.0	85.4

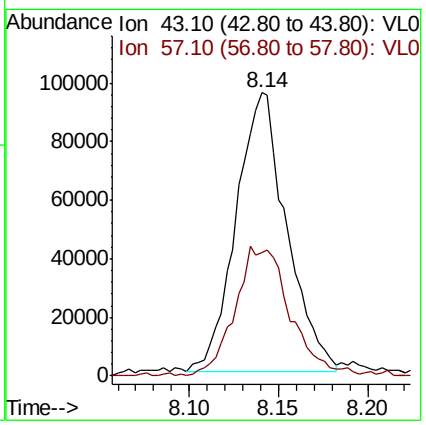


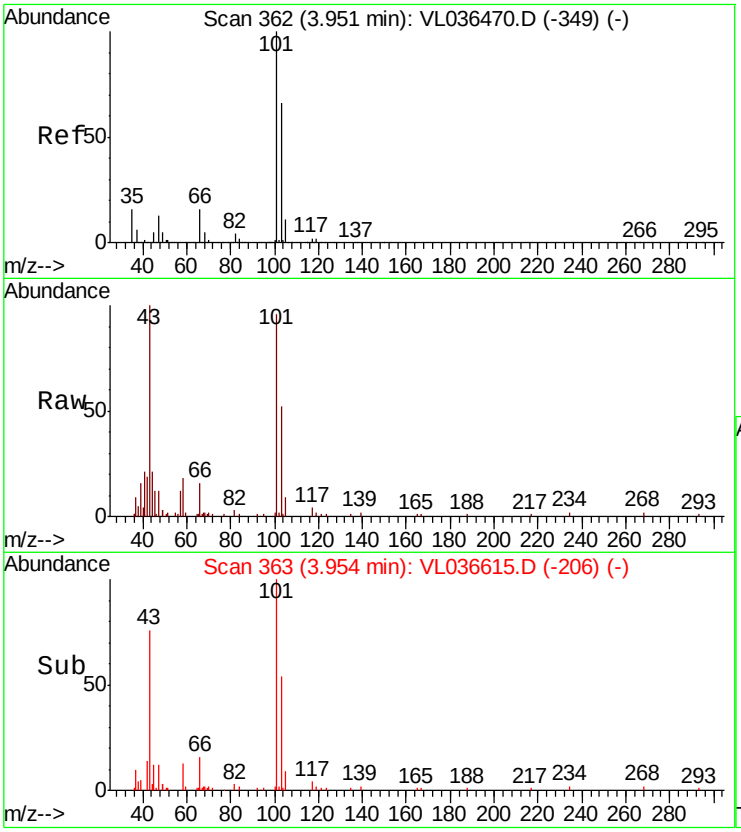


#10
Heptane
Concen: 0.903 ppbv
RT: 8.14 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 43 Resp: 187535

Ion	Ratio	Lower	Upper
43	100		
57	51.5	39.0	58.6



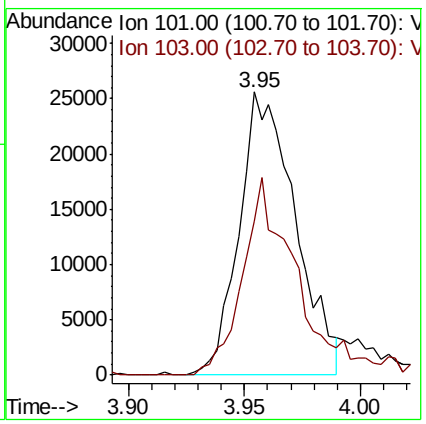


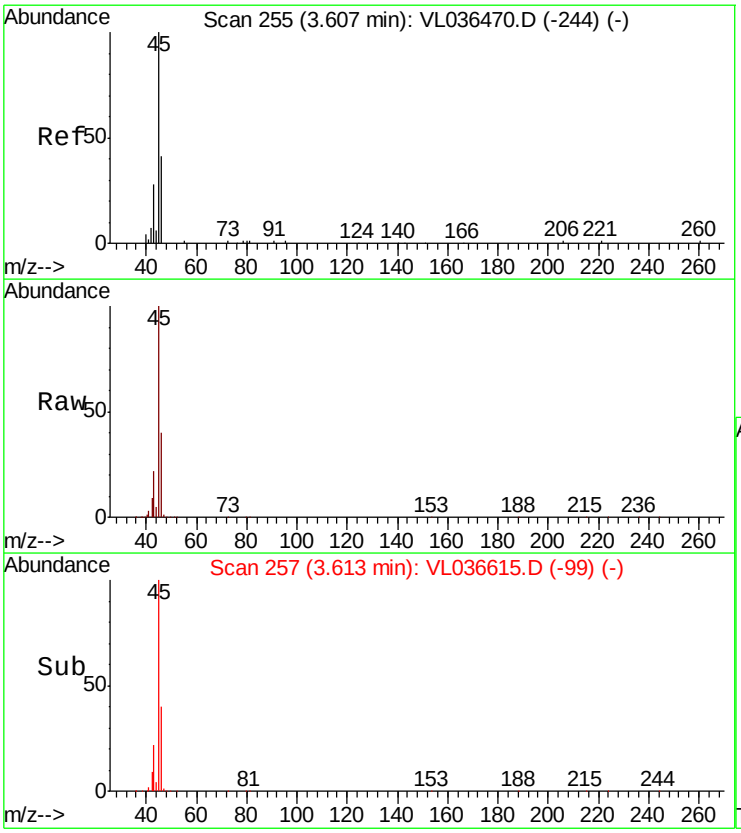
#11
Trichlorofluoromethane
Concen: 0.190 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 43130

Ion	Ratio	Lower	Upper
101	100		
103	54.4	52.5	78.7

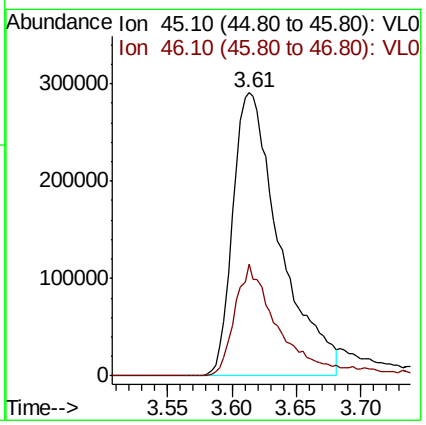


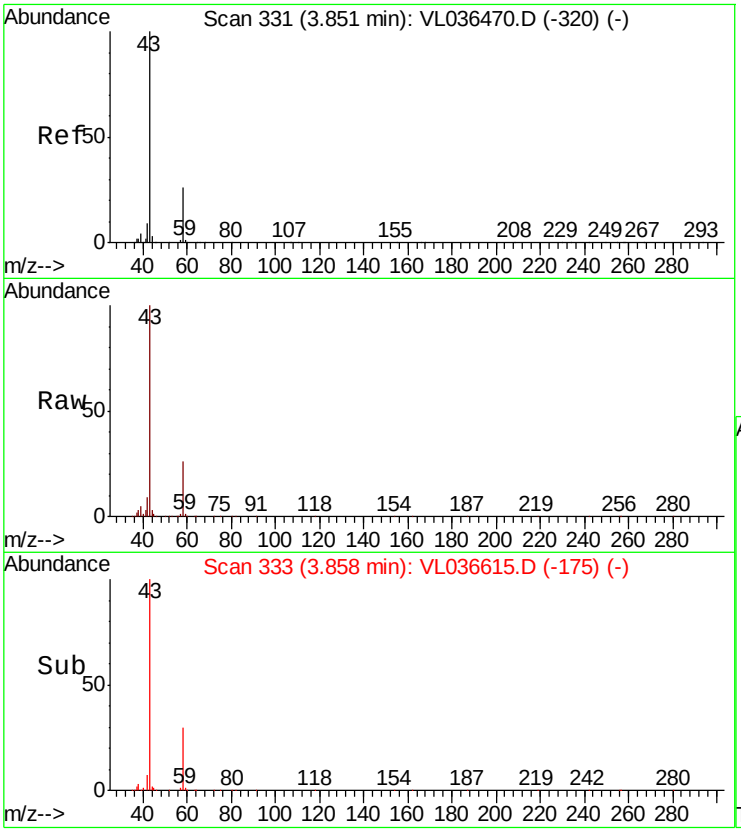


#13
Ethanol
Concen: 76.237 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 45 Resp: 739855

Ion	Ratio	Lower	Upper
45	100		
46	38.8	16.6	66.2



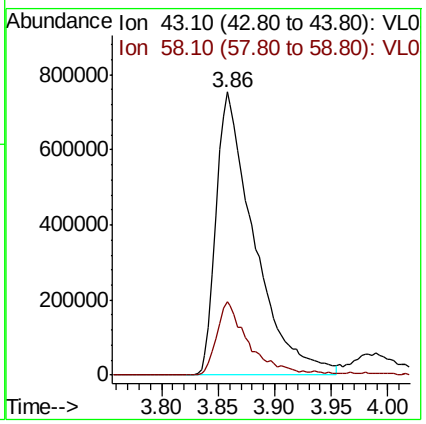


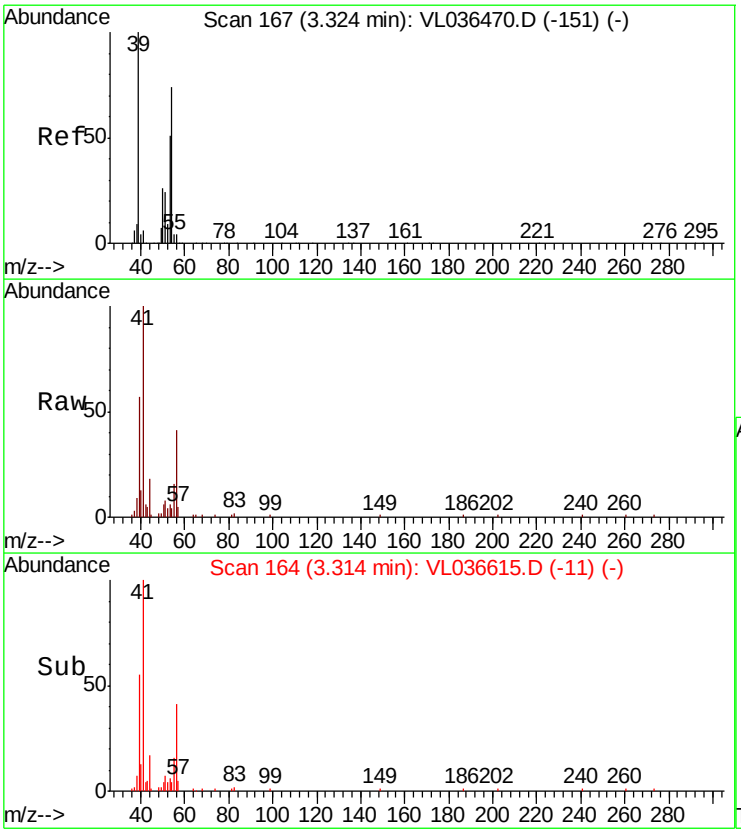
#15
Acetone
Concen: 13.097 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1763717

Ion	Ratio	Lower	Upper
43	100		
58	22.4	21.2	31.8

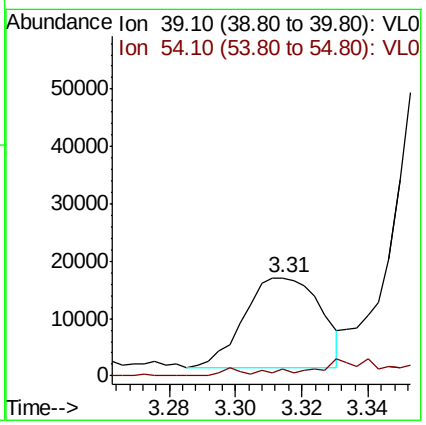


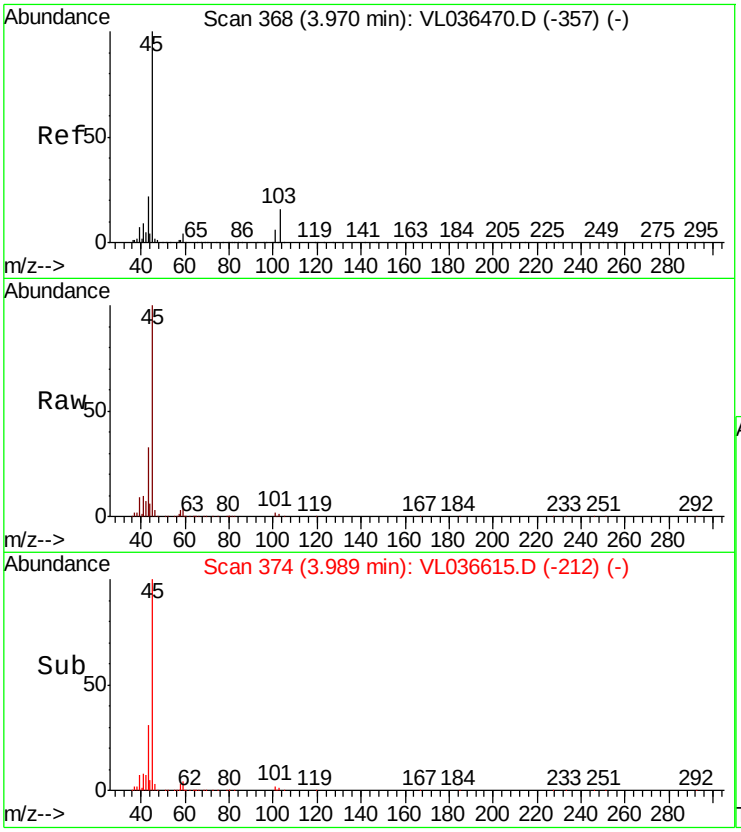


#16
1,3-Butadiene
Concen: 0.266 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 39 Resp: 24977

Ion	Ratio	Lower	Upper
39	100		
54	5.0	58.8	88.2#



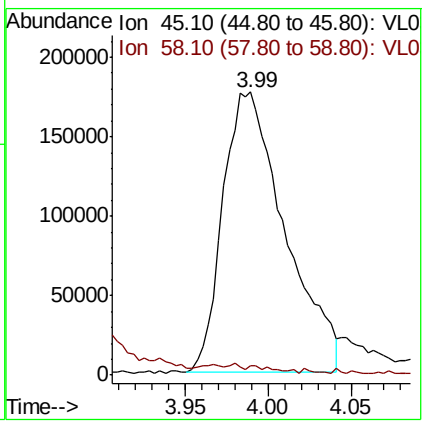


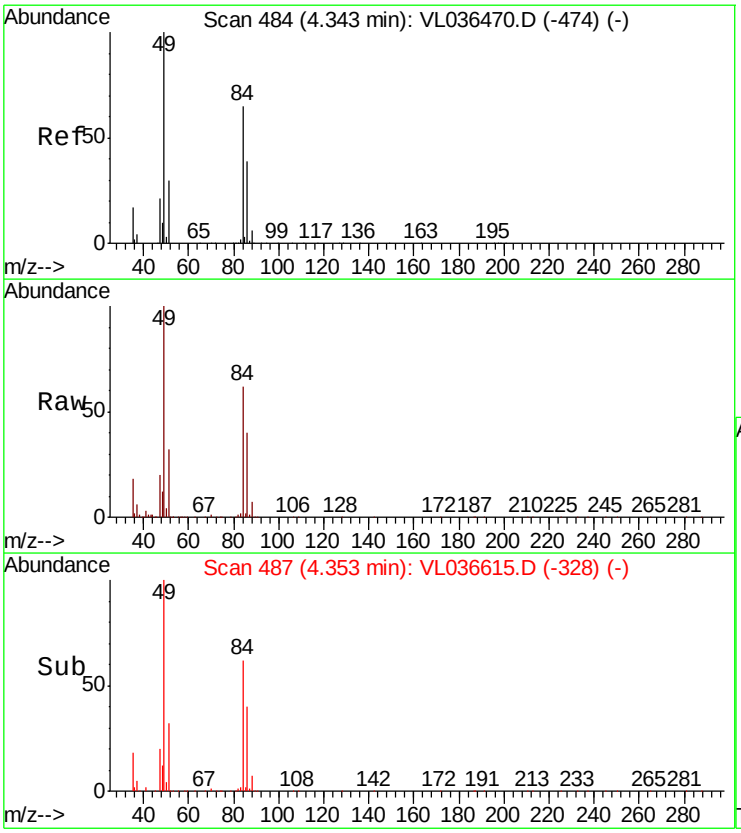
#19
Isopropyl Alcohol
Concen: 6.197 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 459082

Ion	Ratio	Lower	Upper
45	100		
58	91.2	2.9	4.3#

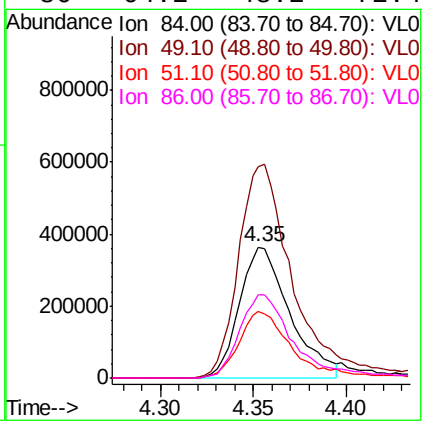


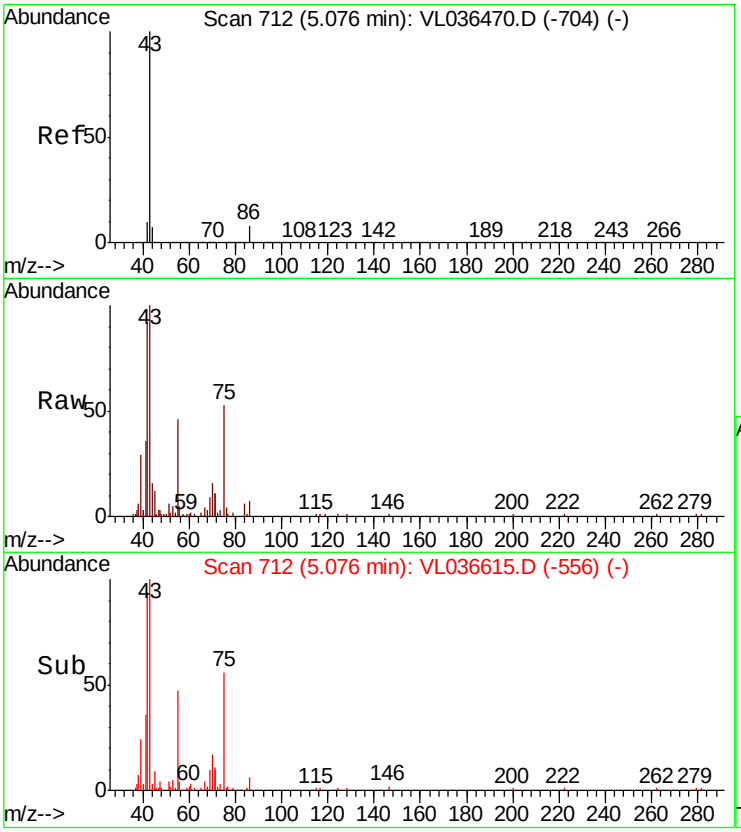


#20
Methylene Chloride
Concen: 10.878 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 84 Resp: 685855

Ion	Ratio	Lower	Upper
84	100		
49	161.9	122.9	184.3
51	51.0	36.9	55.3
86	64.2	48.2	72.4



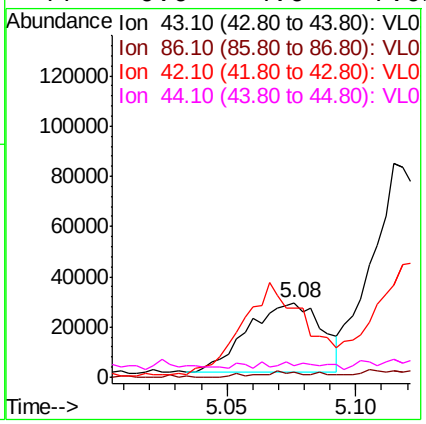


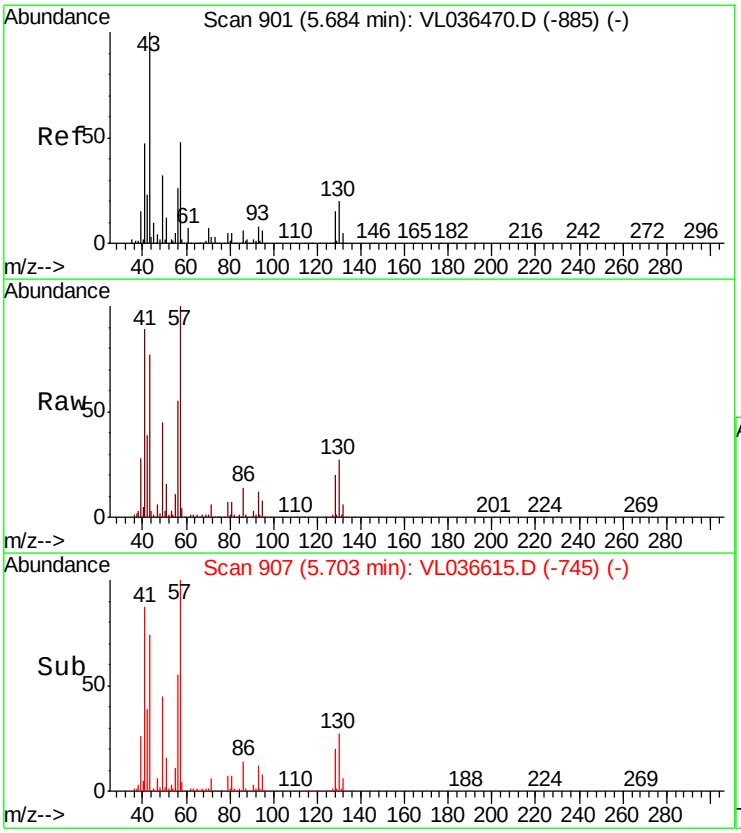
#23
Vinyl Acetate
Concen: 0.241 ppbv
RT: 5.08 min Scan# 712
Delta R.T. 0.00 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 55435

Ion	Ratio	Lower	Upper
43	100		
86	5.9	5.4	8.0
42	95.9	8.5	12.7#
44	0.6	4.6	7.0#

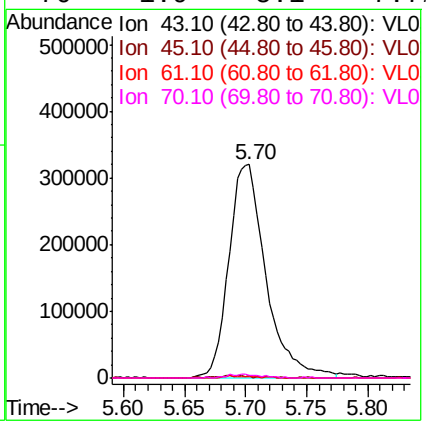


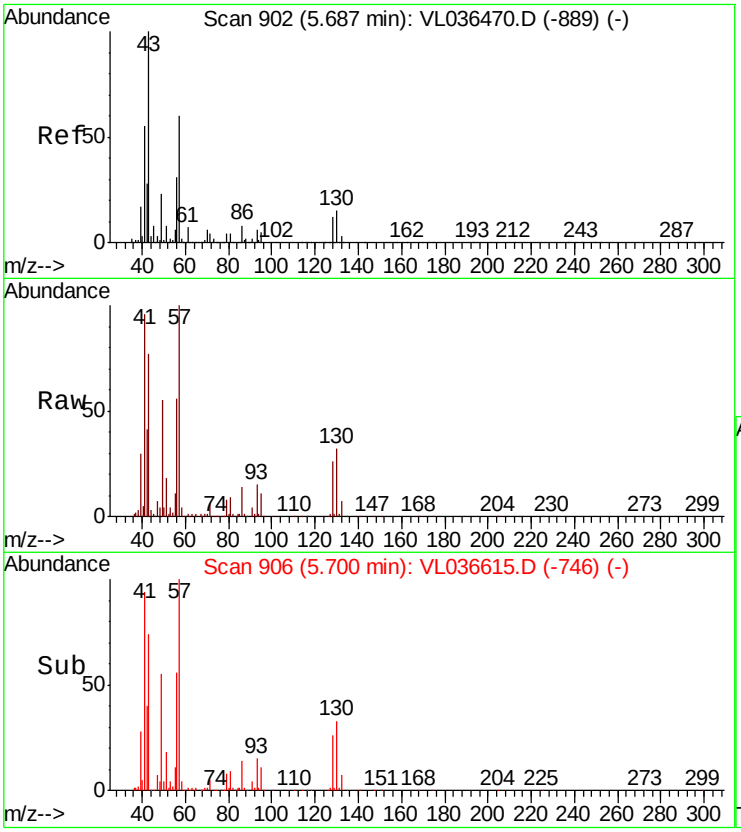


#25
Ethyl Acetate
Concen: 2.107 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 43 Resp: 674590

Ion	Ratio	Lower	Upper
43	100		
45	1.6	7.9	11.9#
61	1.0	7.4	11.2#
70	1.9	5.1	7.7#



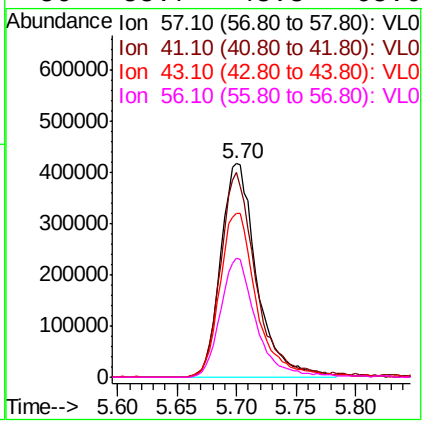


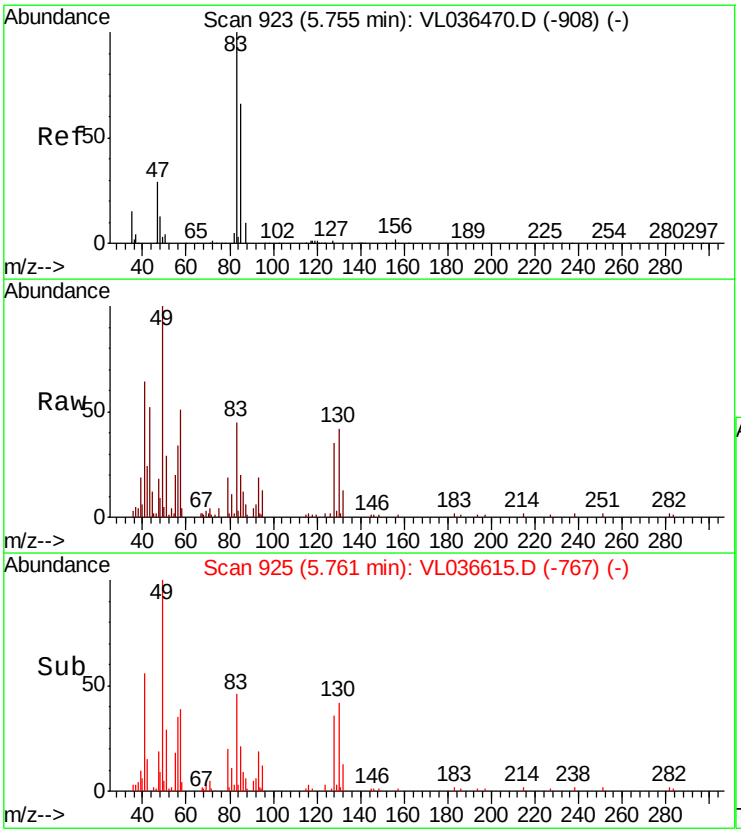
#26
Hexane
Concen: 5.876 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 872933

Ion	Ratio	Lower	Upper
57	100		
41	95.4	77.2	115.8
43	79.0	173.8	260.6#
56	55.7	43.8	65.6

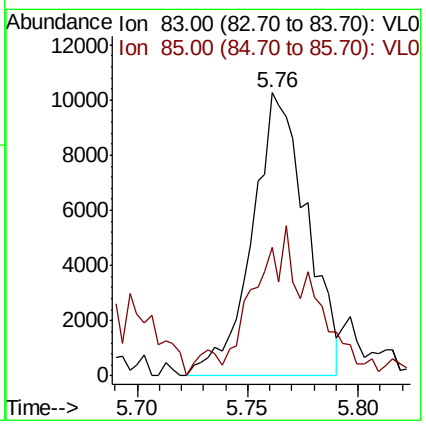


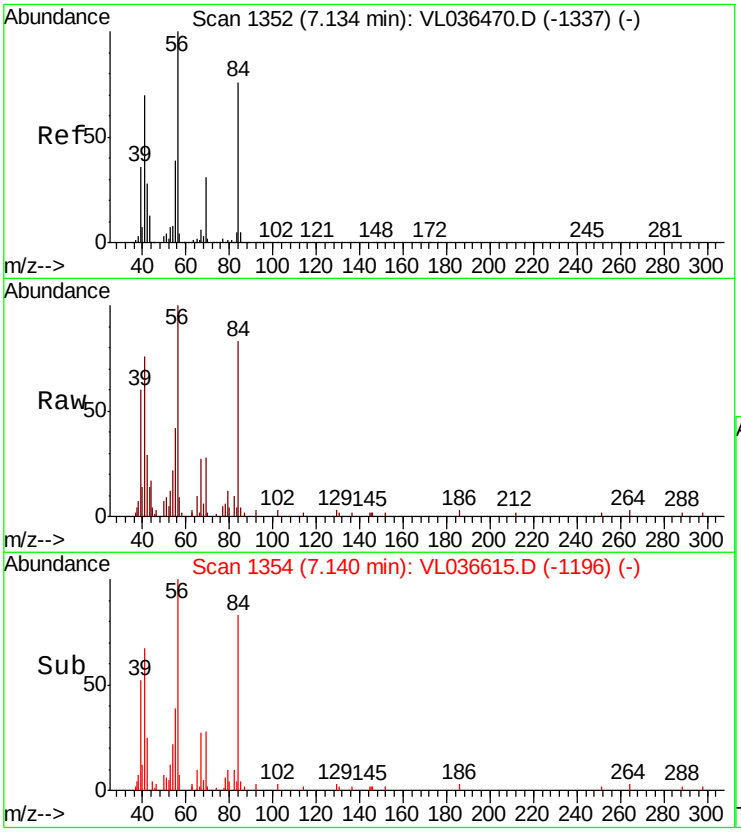


#29
Chloroform
Concen: 0.074 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 83 Resp: 17666

Ion	Ratio	Lower	Upper
83	100		
85	45.4	52.6	78.8#



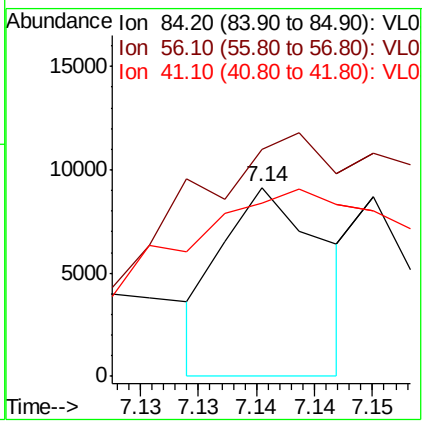


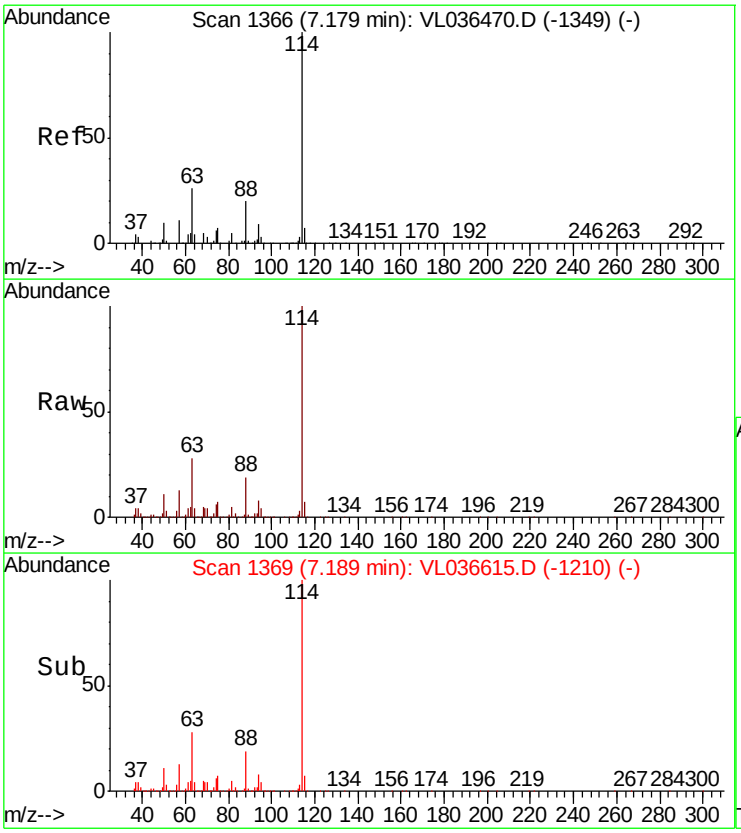
#30
Cyclohexane
Concen: 0.046 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 5597

Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	414.4	75.3	112.9#

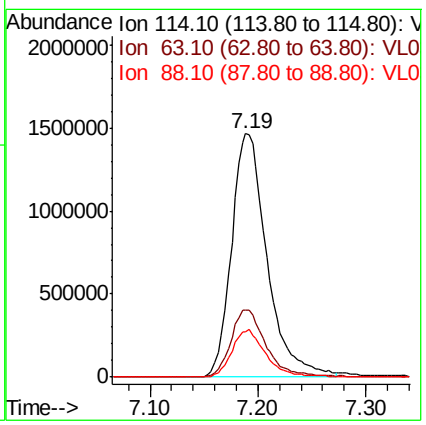


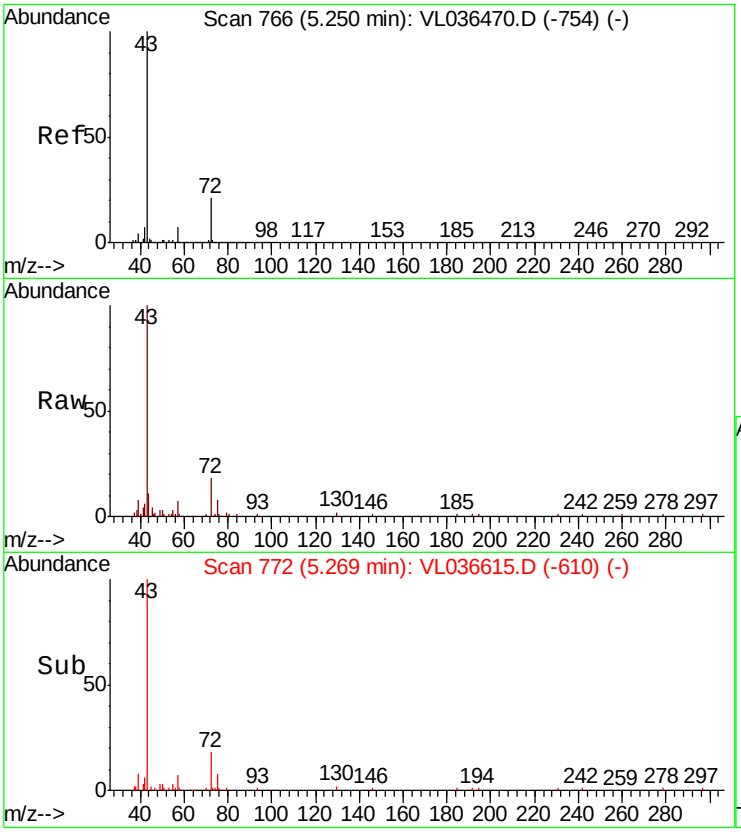


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion:114 Resp: 3359722

Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.4	33.6
88	18.9	15.4	23.0



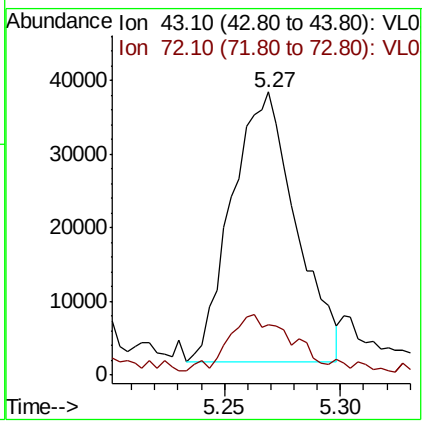


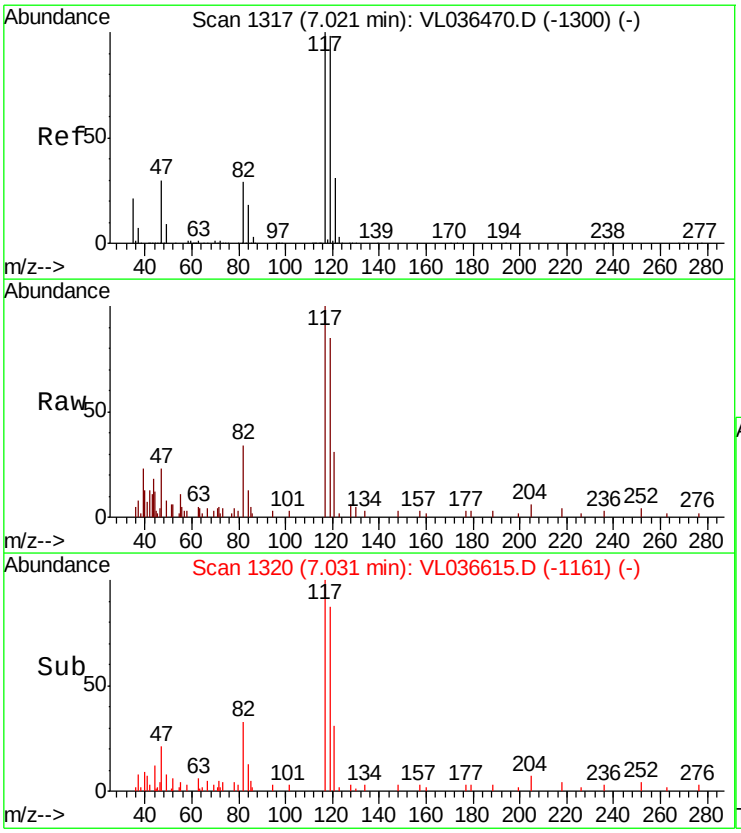
#34
2-Butanone
Concen: 0.430 ppbv
RT: 5.27 min Scan# 772
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 70443

Ion	Ratio	Lower	Upper
43	100		
72	26.2	17.0	25.6#

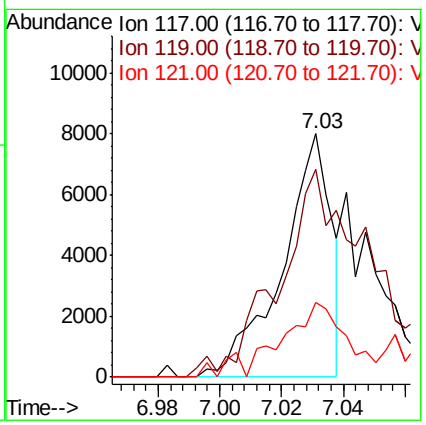


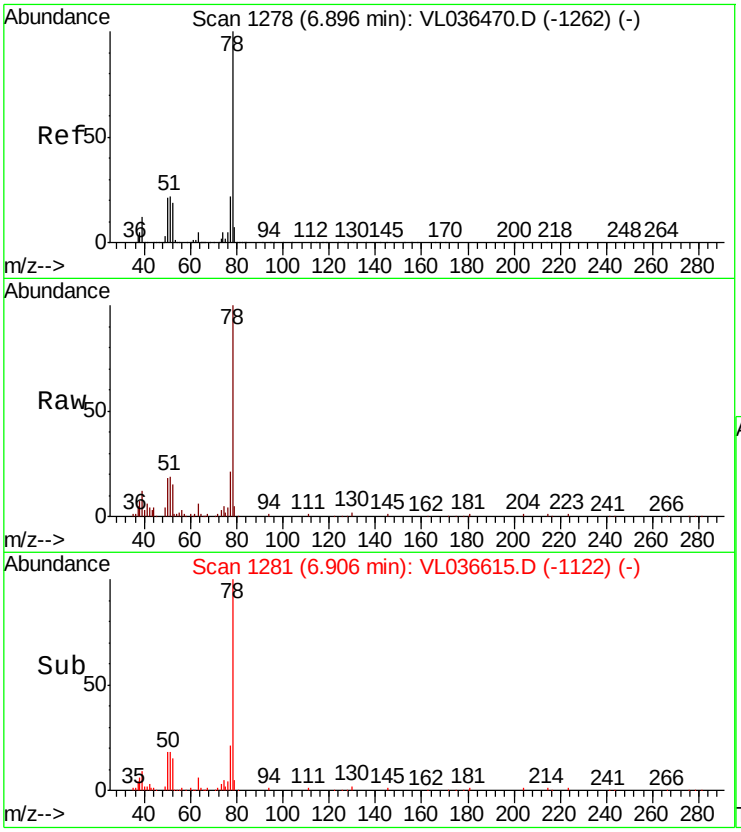


#35
Carbon Tetrachloride
Concen: 0.034 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion:117 Resp: 8756

Ion	Ratio	Lower	Upper
117	100		
119	85.1	78.2	117.2
121	30.7	24.5	36.7



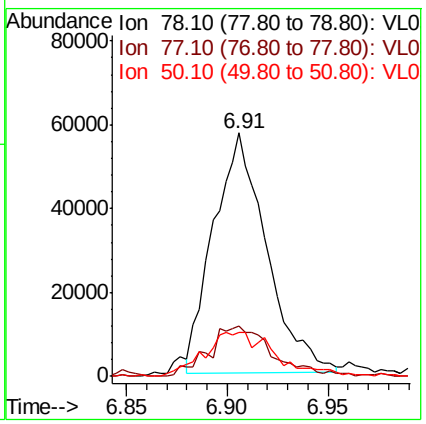


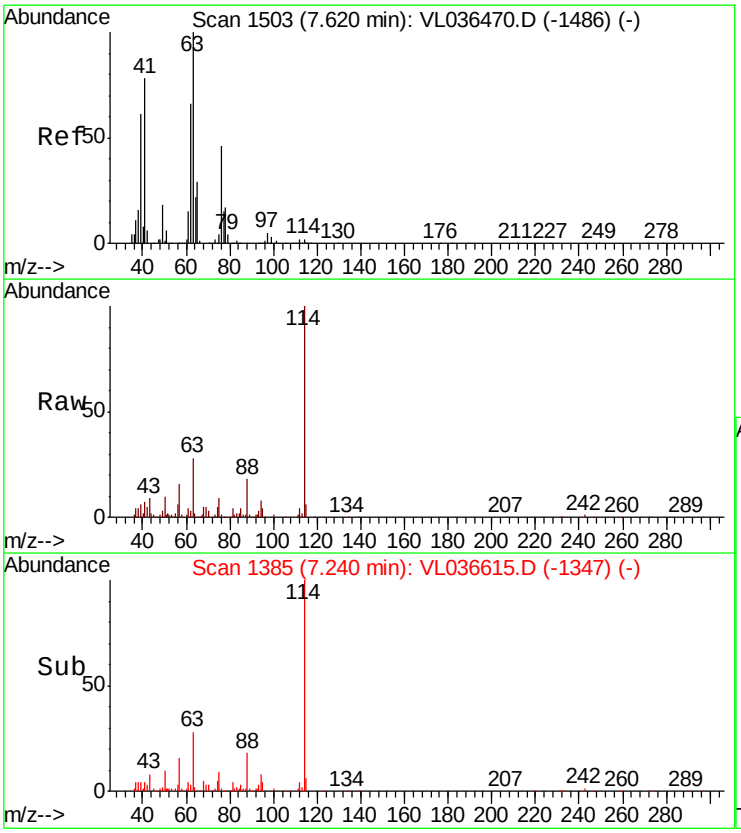
#36
Benzene
Concen: 0.339 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 105106

Ion	Ratio	Lower	Upper
78	100		
77	20.4	18.0	27.0
50	17.5	16.5	24.7

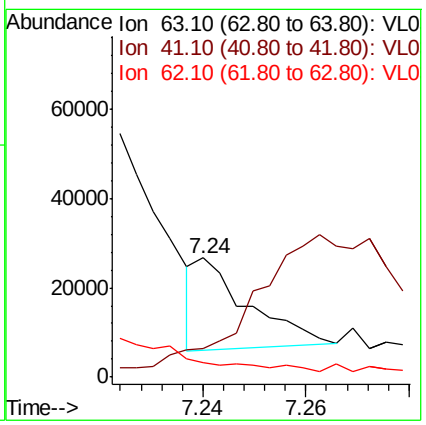


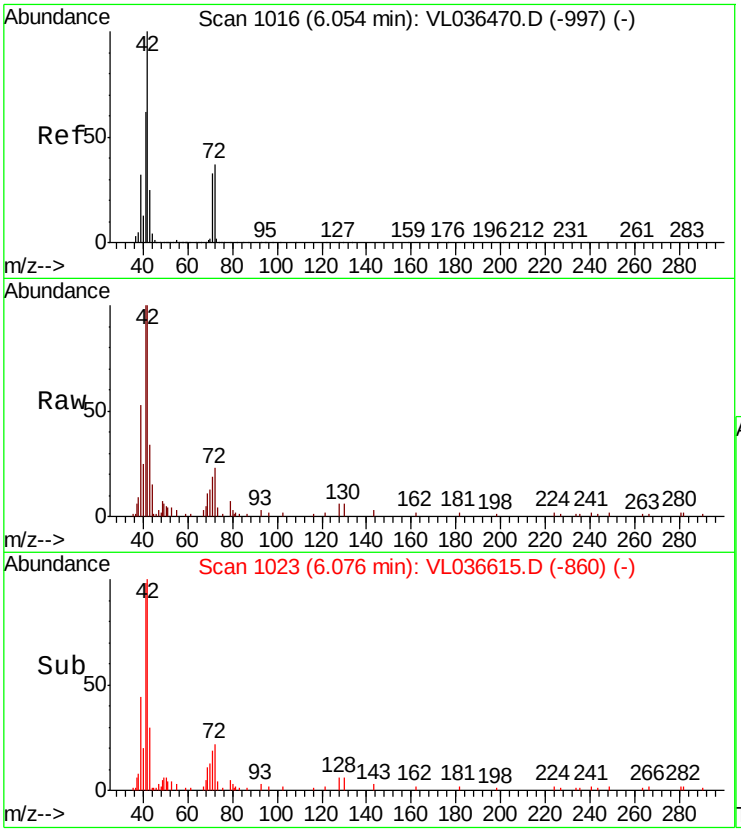


#39
1,2-Dichloropropane
Concen: 0.113 ppbv
RT: 7.24 min Scan# 1385
Delta R.T. -0.38 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 63 Resp: 14190

Ion	Ratio	Lower	Upper
63	100		
41	1.5	62.4	93.6#
62	1.7	52.8	79.2#



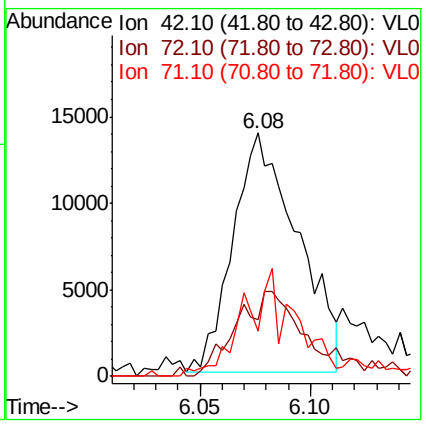


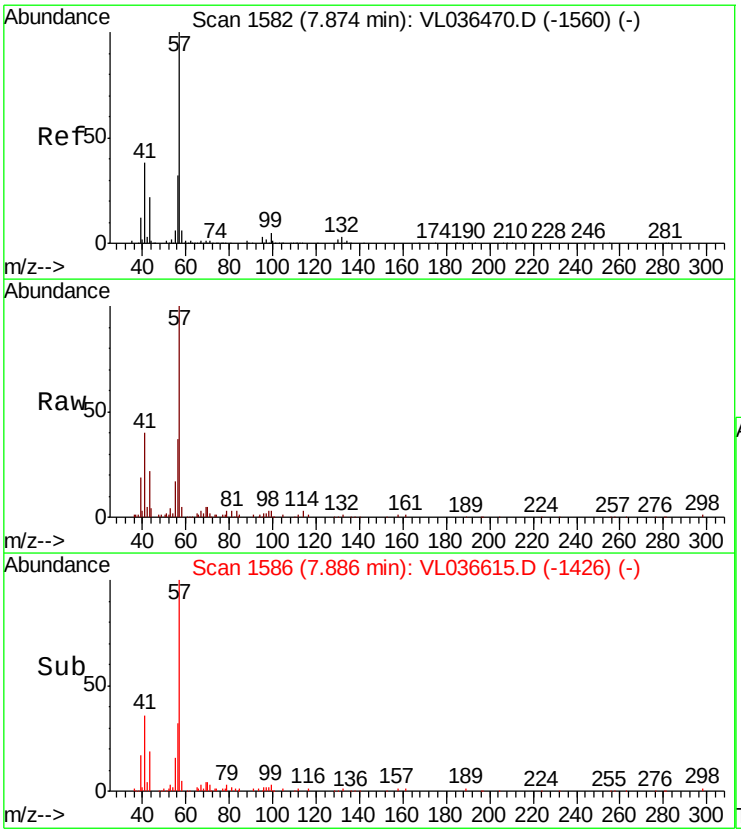
#41
Tetrahydrofuran
Concen: 0.376 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 28408

Ion	Ratio	Lower	Upper
42	100		
72	41.8	27.6	41.4#
71	39.8	27.0	40.4

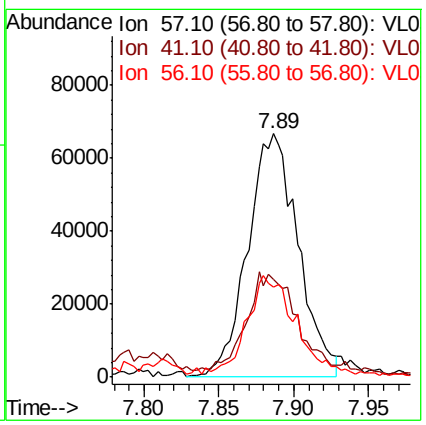


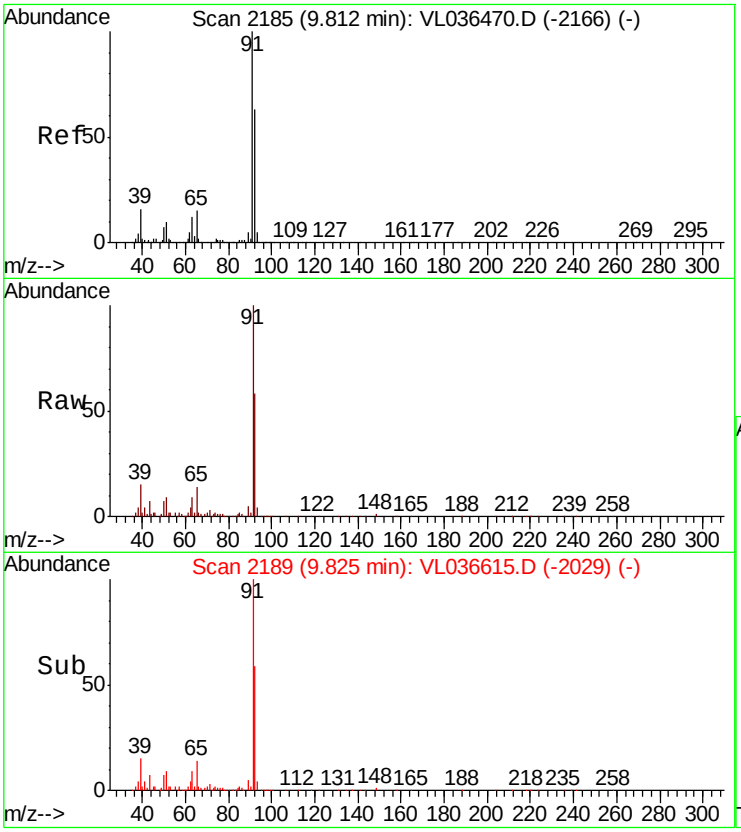


#44
2,2,4-Trimethylpentane
Concen: 0.284 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 57 Resp: 154919

Ion	Ratio	Lower	Upper
57	100		
41	43.3	28.8	43.2#
56	42.3	26.1	39.1#



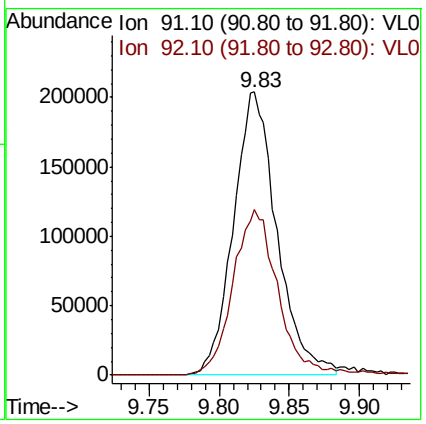


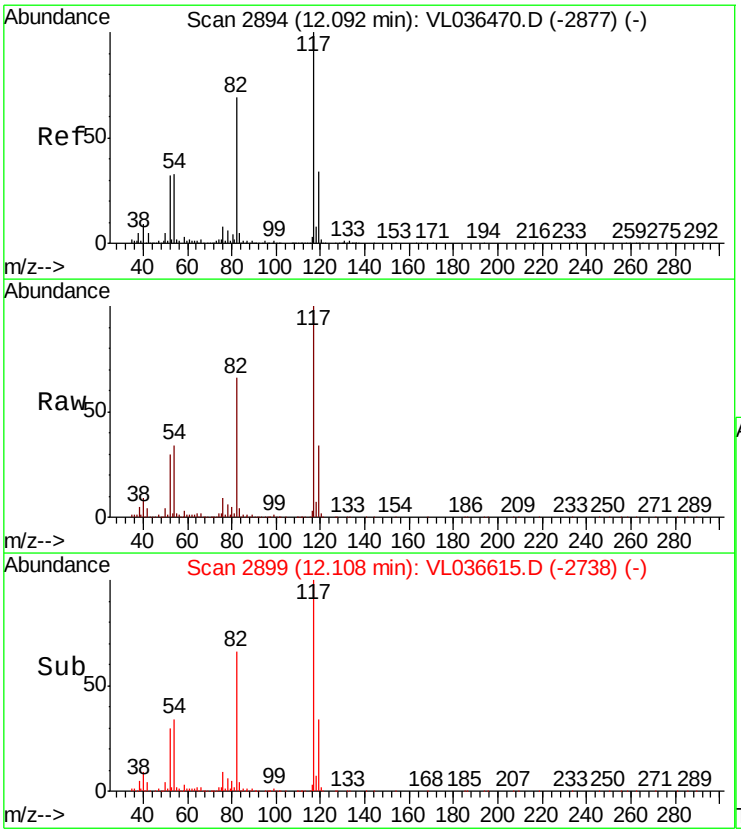
#53
Toluene
Concen: 1.330 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 438970

Ion	Ratio	Lower	Upper
91	100		
92	61.7	48.8	73.2

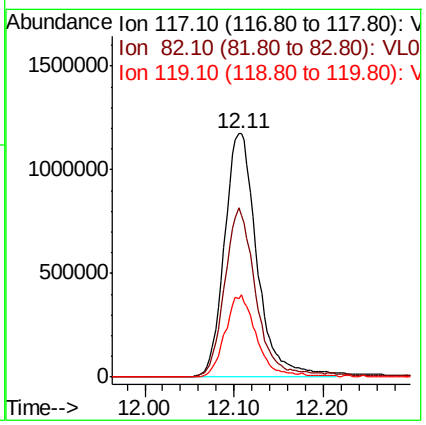


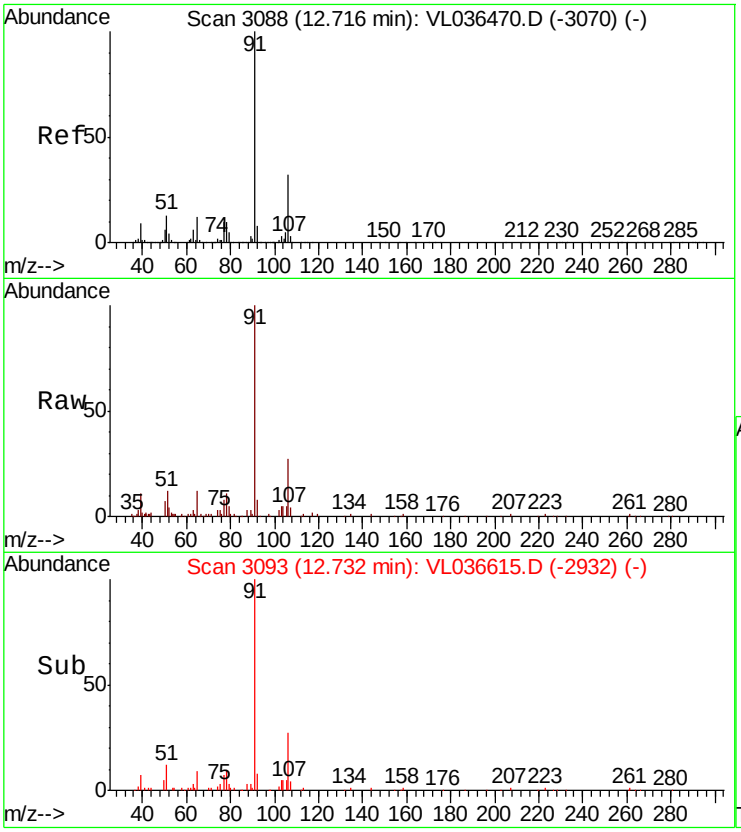


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion:117 Resp: 2983222

Ion	Ratio	Lower	Upper
117	100		
82	67.8	57.4	86.0
119	33.2	47.4	71.0#



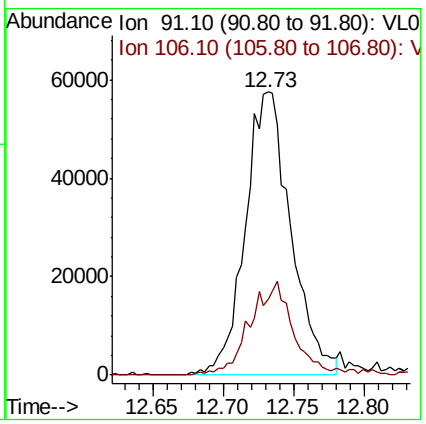


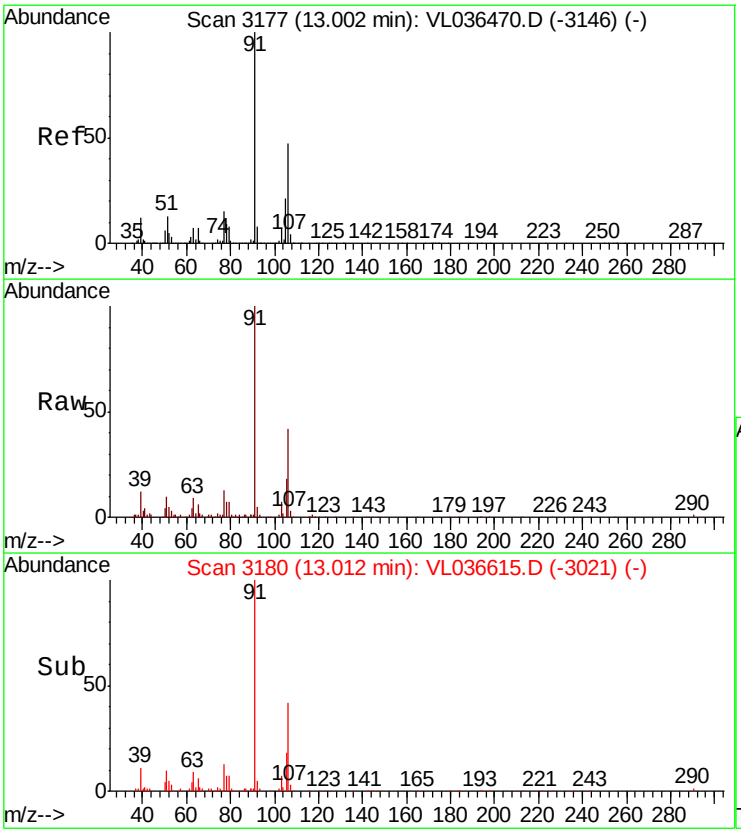
#58
Ethyl Benzene
Concen: 0.300 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 130402

Ion	Ratio	Lower	Upper
91	100		
106	27.0	25.3	37.9

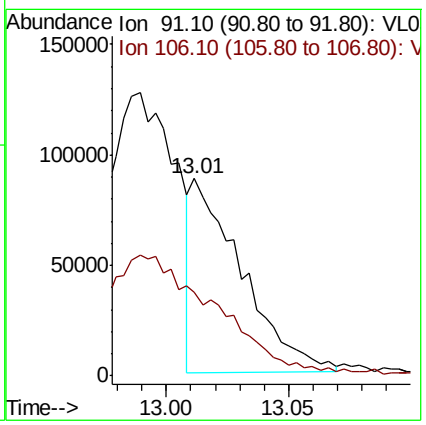


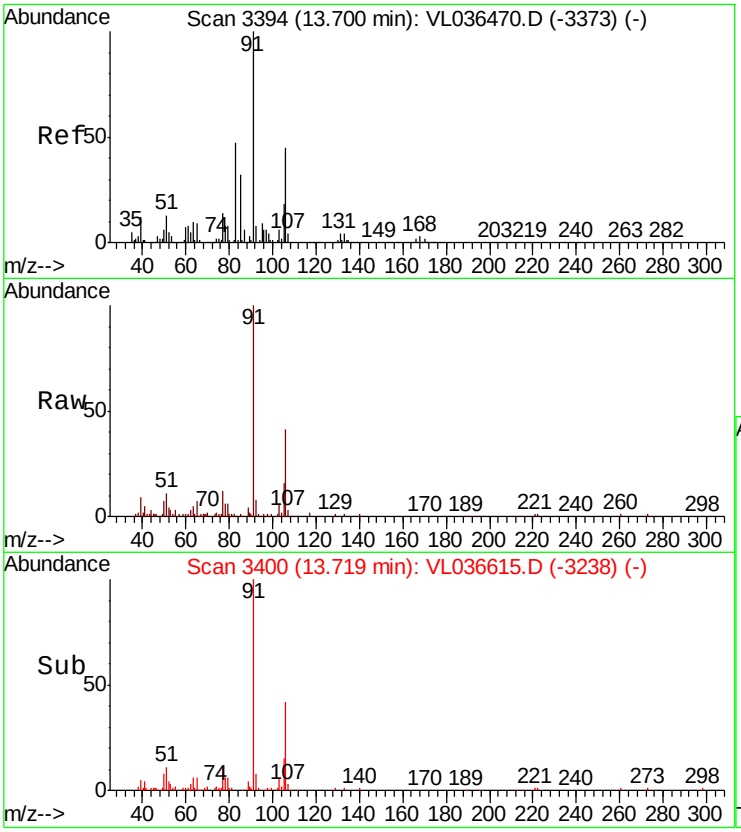


#59
m/p-Xylene
Concen: 0.331 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 91 Resp: 125283

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#



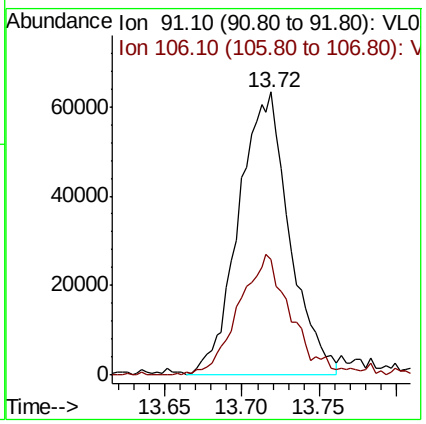


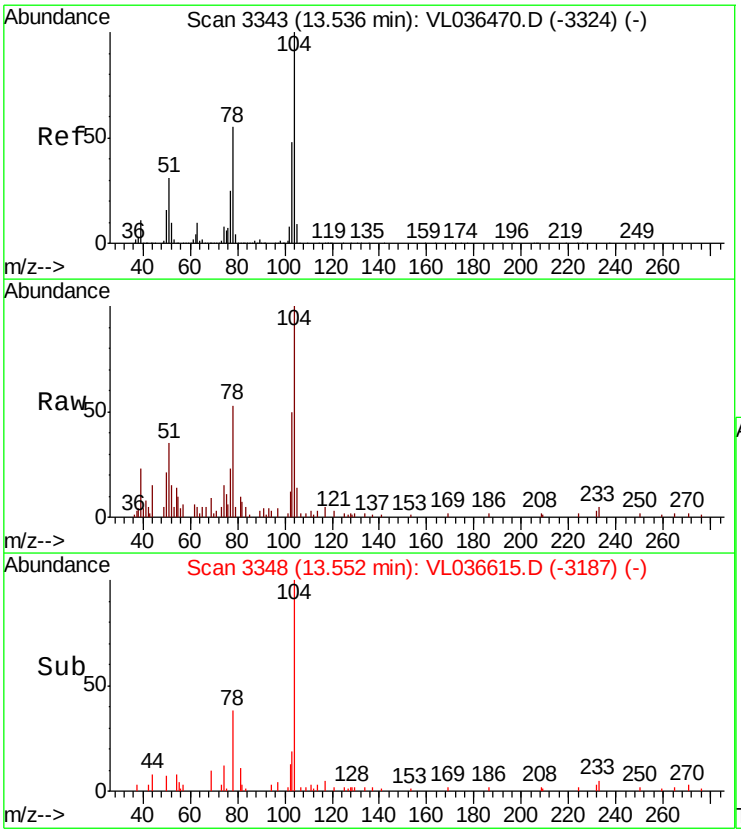
#60
o-Xylene
Concen: 0.391 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 143020

Ion	Ratio	Lower	Upper
91	100		
106	45.1	22.3	66.9

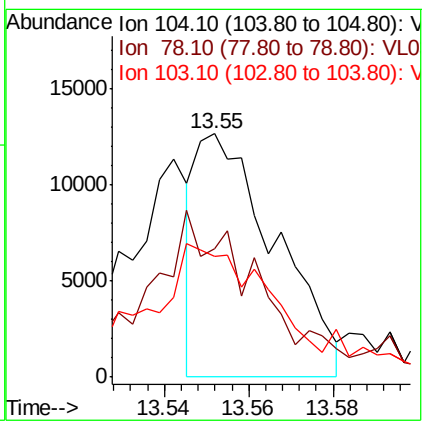


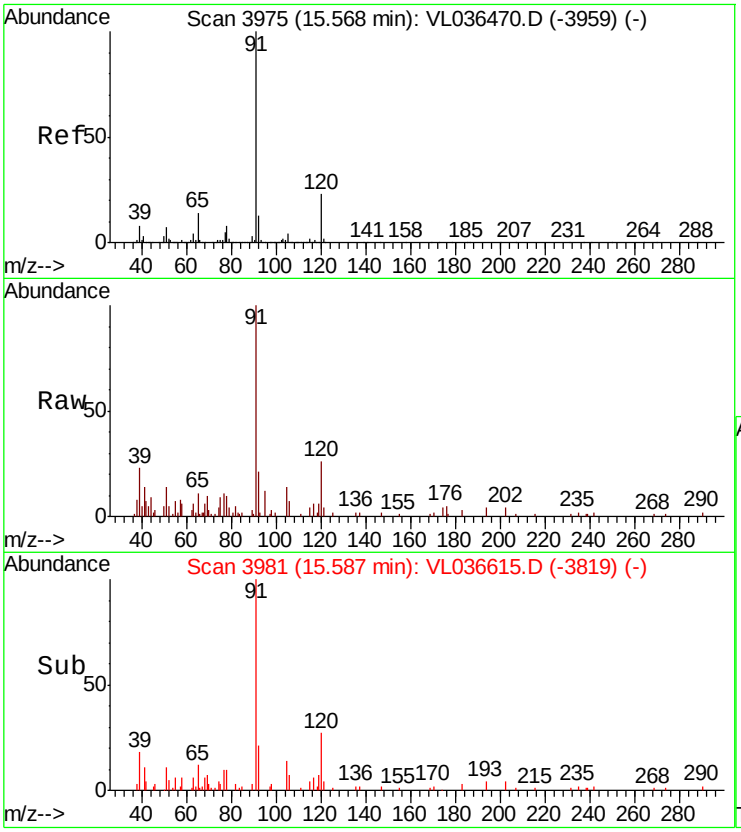


#61
Styrene
Concen: 0.089 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion:104 Resp: 16473

Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.8	65.8#
103	0.0	38.3	57.5#



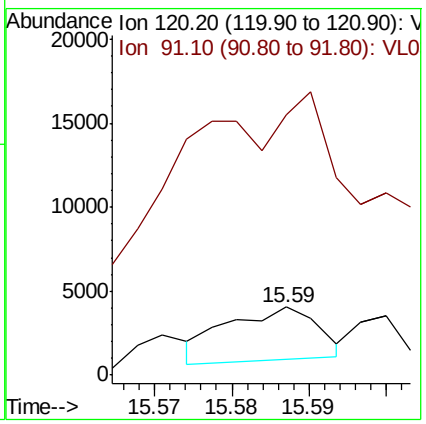


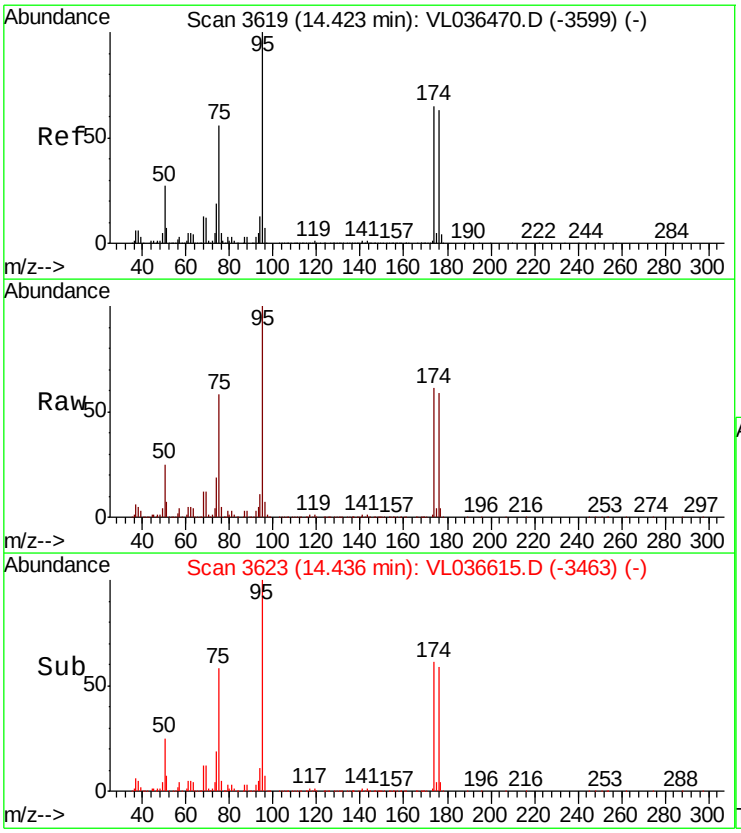
#64
n-propylbenzene
Concen: 0.022 ppbv
RT: 15.59 min Scan# 3981
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 2592

Ion	Ratio	Lower	Upper
120	100		
91	1779.1	377.4	566.2#

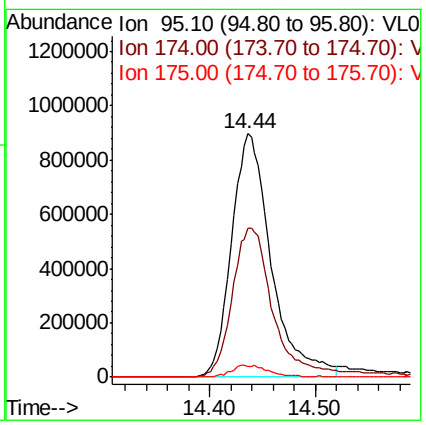


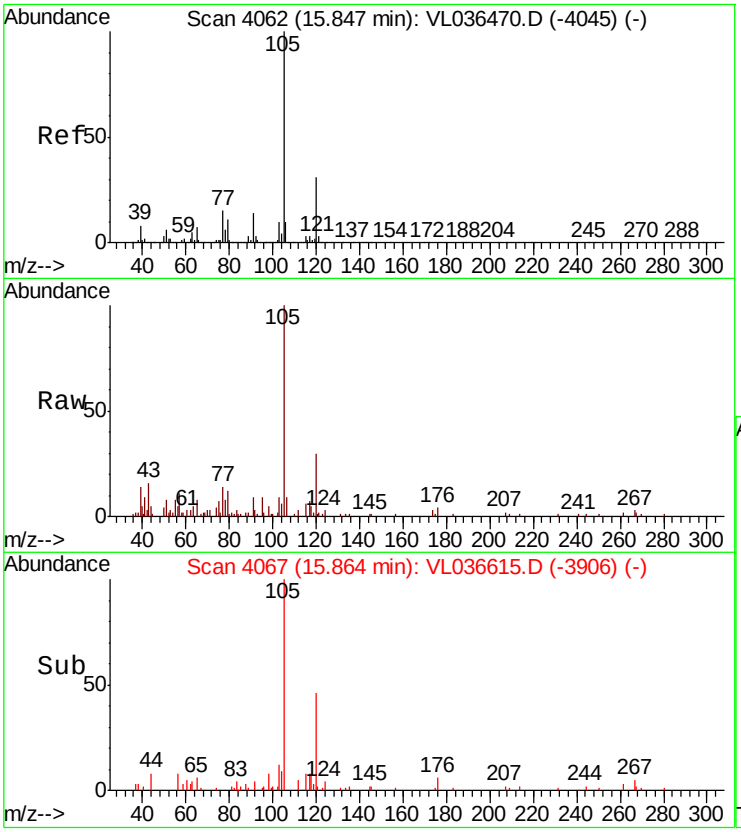


#68
1-Bromo-4-Fluorobenzene
Concen: 9.842 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.01 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion: 95 Resp: 2340097

Ion	Ratio	Lower	Upper
95	100		
174	66.0	51.0	76.6
175	4.8	3.9	5.9



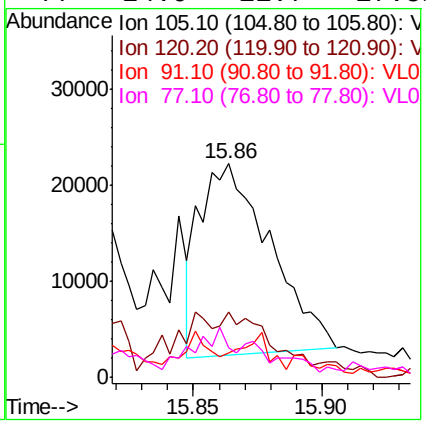


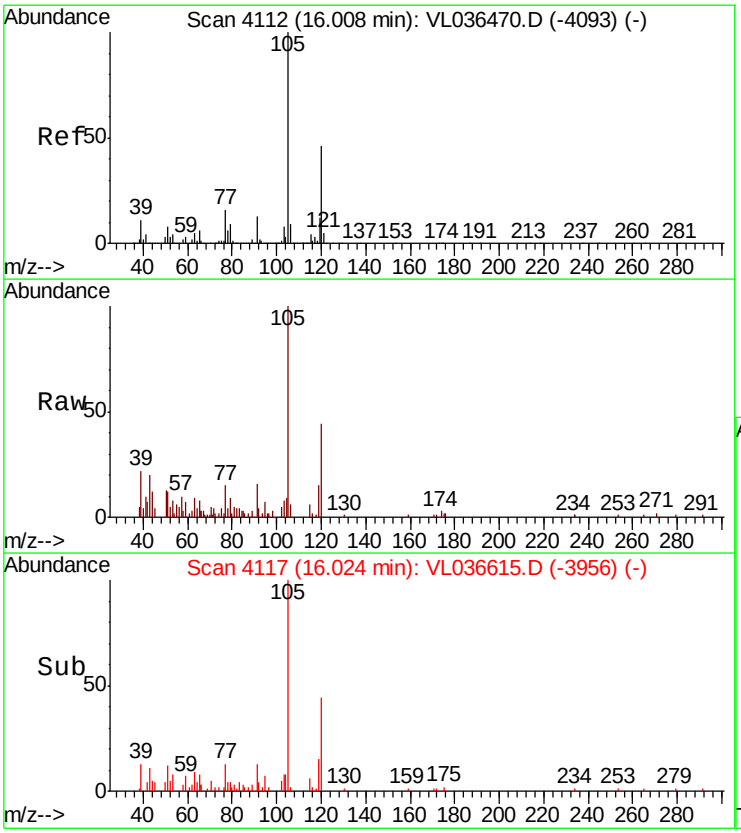
#72
4-Ethyltoluene
Concen: 0.095 ppbv
RT: 15.86 min Scan# 4067
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 37929

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.0	36.0#
91	0.0	11.0	16.4#
77	24.9	11.7	17.5#

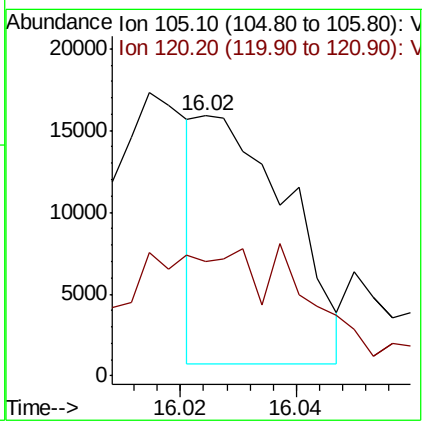


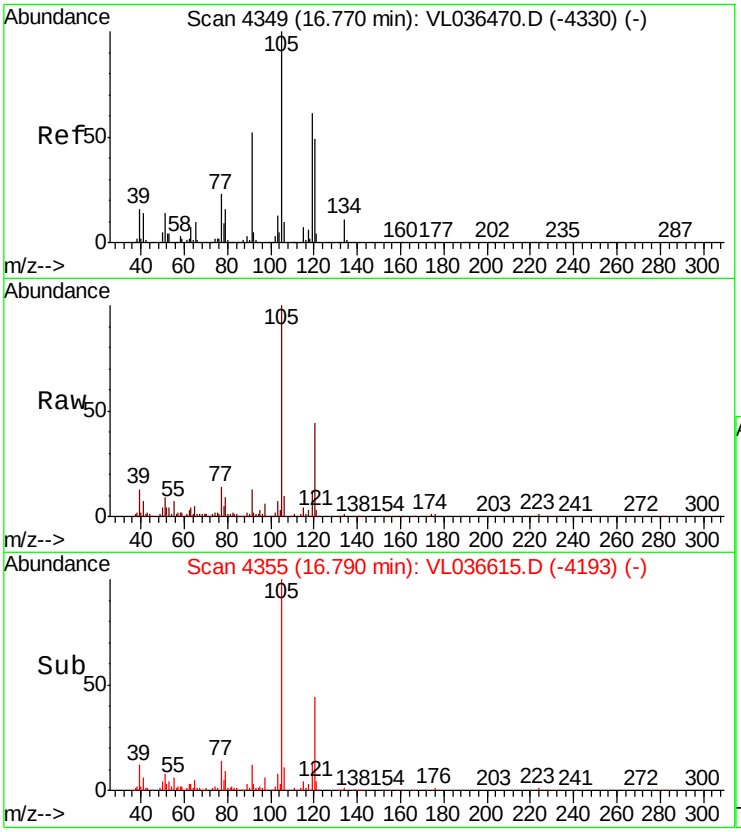


#73
1,3,5-Trimethylbenzene
Concen: 0.043 ppbv
RT: 16.02 min Scan# 4117
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Tgt Ion:105 Resp: 16221

Ion	Ratio	Lower	Upper
105	100		
120	26.8	36.6	54.8#





#74
1,2,4-Trimethylbenzene
Concen: 0.485 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. 0.02 min
Lab File: VL036615.D
Acq: 1 Apr 2021 00:02

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 194236

Ion	Ratio	Lower	Upper
105	100		
120	43.5	39.2	58.8
91	11.9	42.6	64.0#
77	12.6	18.6	28.0#