Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033121\
Data File : VL036618.D
Acq On : 1 Apr 2021 2:09
Operator : SY/AP
Sample : M1841-04DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Apr 01 04:32:13 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	1560166	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	7.19	114	3788955	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.11	117	3392097	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	2655378	9.82	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	9190	0.036	ppbv		89
3) Chlorodifluoromethane	2.97	51	272693	0.935	ppbv	#	59
9) Propene	3.03	41	32662	0.351	ppbv		87
10) Heptane	8.15	43	7571	0.032	ppbv	#	1
13) Ethanol	3.62	45	469569	42.433	ppbv		99
15) Acetone	3.86	43	3566240	23.224	ppbv		97
16) 1,3-Butadiene	3.32	39	66350	0.621	ppbv	#	23
17) tert-Butyl alcohol	4.32	59	136000	1.017	ppbv	#	94
19) Isopropyl Alcohol	3.98	45	1244290	14.730	ppbv	#	1
20) Methylene Chloride	4.36	84	16321	0.227	ppbv	#	79
21) Allyl Chloride	4.37	41	2705	0.022	ppbv	#	17
23) Vinyl Acetate	5.08	43	5331	0.020	ppbv	#	73
25) Ethyl Acetate	5.71	43	98362	0.269	ppbv	#	86
26) Hexane	5.70	57	129327	0.763	ppbv	#	49
34) 2-Butanone	5.26	43	306576	1.658	ppbv		93
36) Benzene	6.91	78	34454	0.099	ppbv	#	81
39) 1,2-Dichloropropane	7.19	63	1004479	7.086	ppbv	#	23
44) 2,2,4-Trimethylpentane	7.89	57	30946	0.050	ppbv	#	35
51) 2-Hexanone	10.18	43	3643	0.027	ppbv	#	30
53) Toluene	9.83	91	209717	0.564	ppbv		100
58) Ethyl Benzene	12.73	91	63440	0.129	ppbv		96
59) m/p-Xylene	12.99	91	434880	1.010	ppbv		96
60) o-Xylene	13.72	91	204504	0.491	ppbv		100
61) Styrene	13.55	104	5353	0.026	ppbv	#	35
65) tert-Butylbenzene	16.79	119	11219	0.023	ppbv	#	1
66) Benzyl Chloride	17.02	91	1801	0.034	ppbv	#	1
72) 4-Ethyltoluene	15.87	105	55585	0.122	ppbv	#	82
73) 1,3,5-Trimethylbenzene	16.03	105	19413	0.046	ppbv	#	85
74) 1,2,4-Trimethylbenzene	16.79	105	189854	0.417	ppbv	#	69

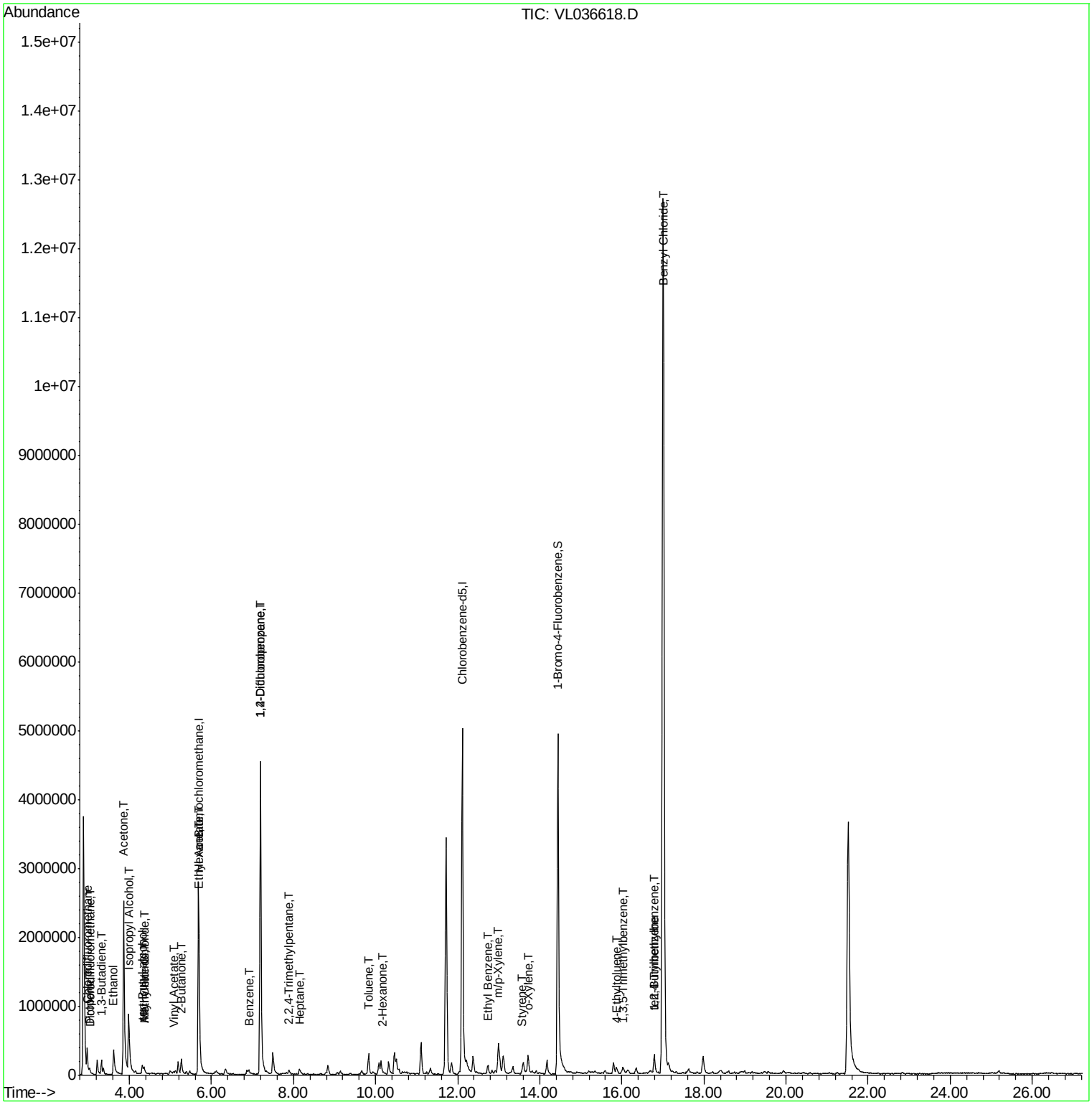
(#) = qualifier out of range (m) = manual integration (+) = signals summed

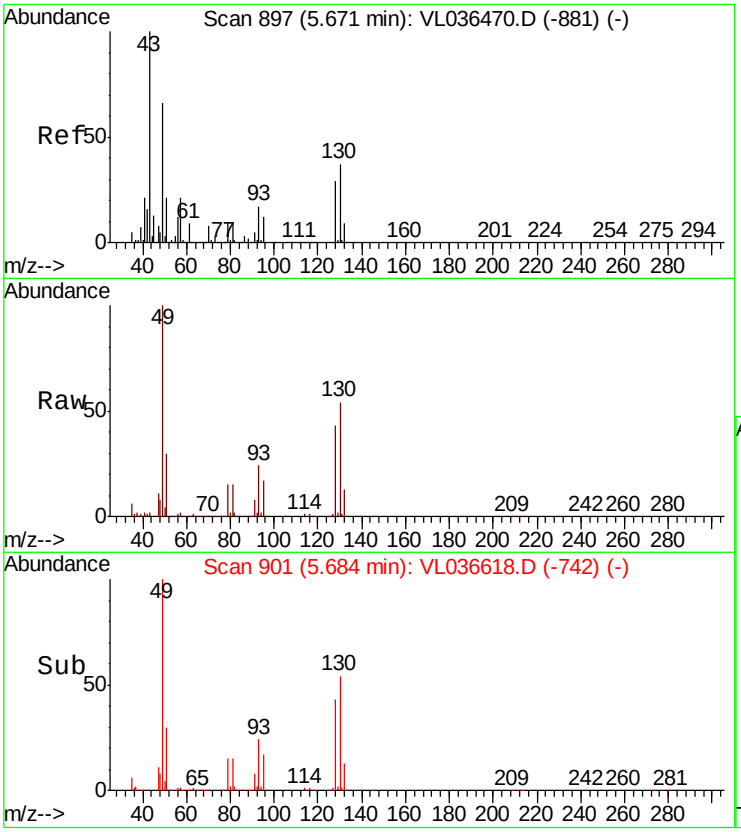
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL033121\
Data File : VL036618.D
Acq On : 1 Apr 2021 2:09
Operator : SY/AP
Sample : M1841-04DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 01 04:32:13 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



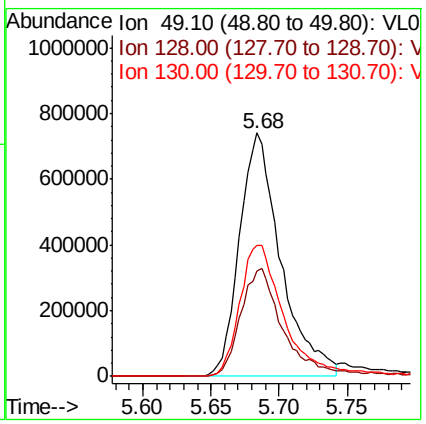


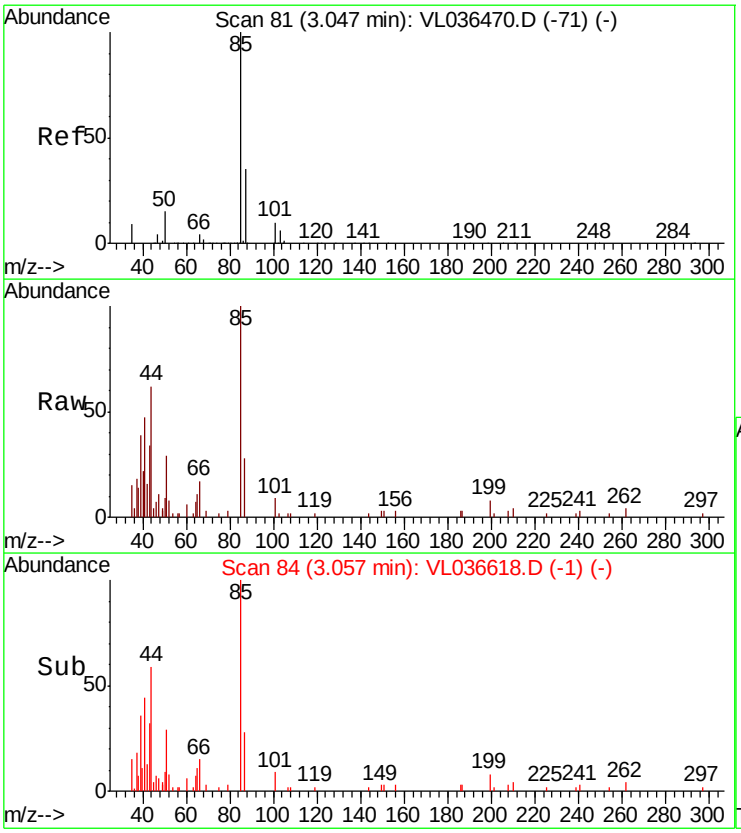
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1560166

Ion	Ratio	Lower	Upper
49	100		
128	46.8	23.5	70.6
130	59.7	29.1	87.4

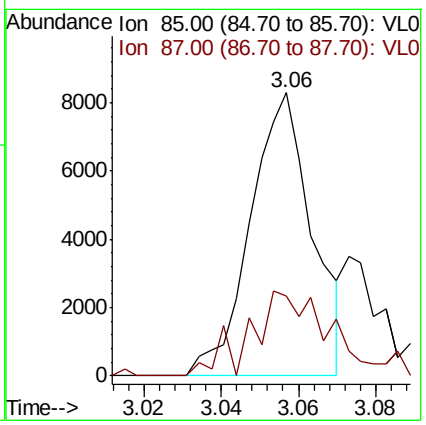


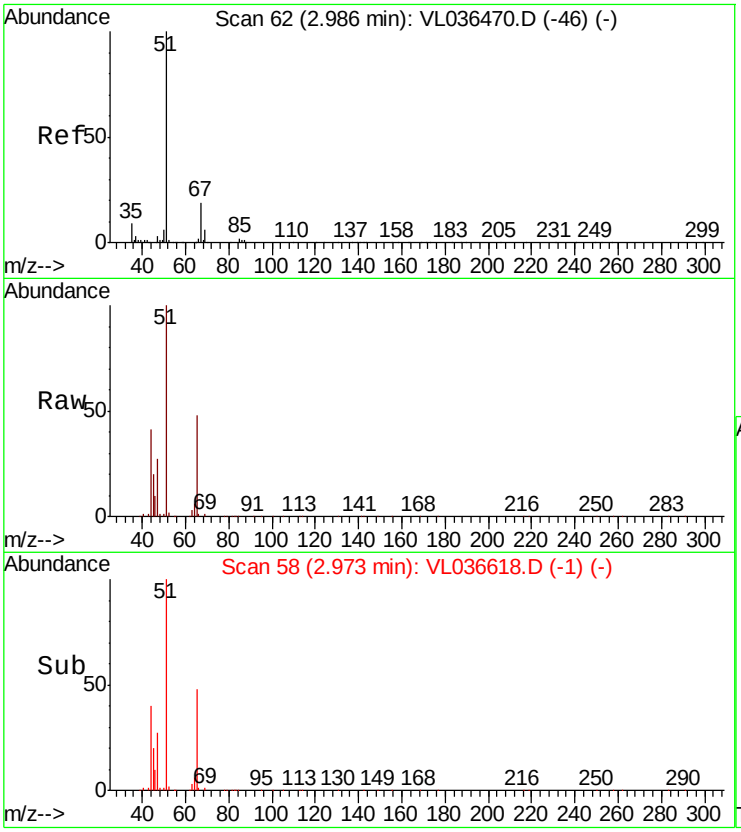


#2
Dichlorodifluoromethane
Concen: 0.036 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 85 Resp: 9190

Ion	Ratio	Lower	Upper
85	100		
87	28.2	27.8	41.8



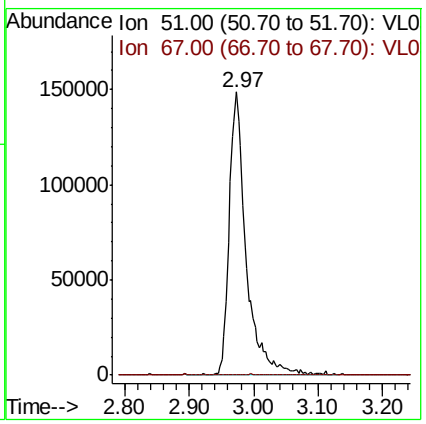


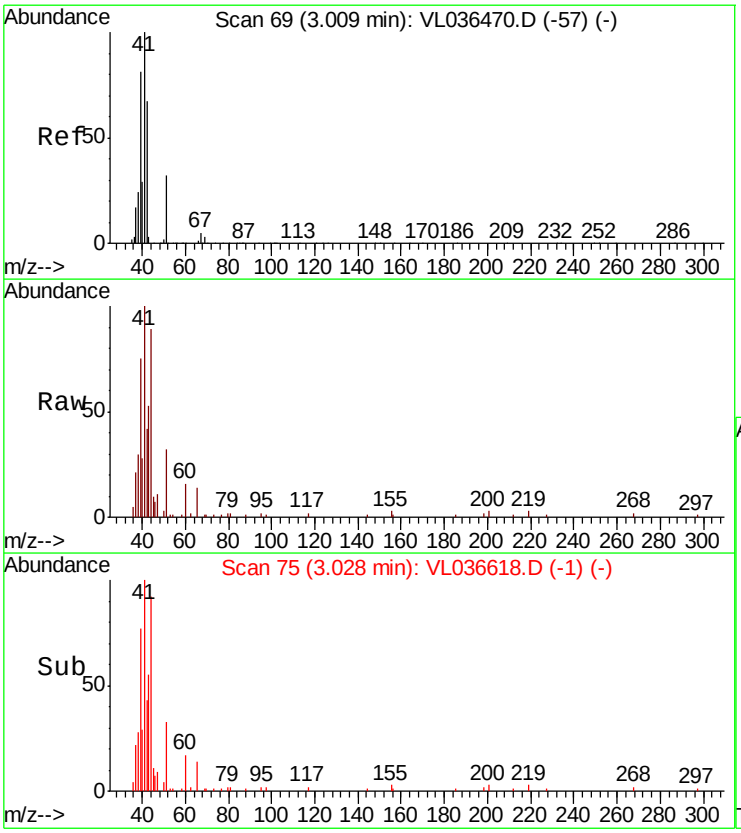
#3
Chlorodifluoromethane
Concen: 0.935 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 272693

Ion	Ratio	Lower	Upper
51	100		
67	0.3	14.7	22.1#

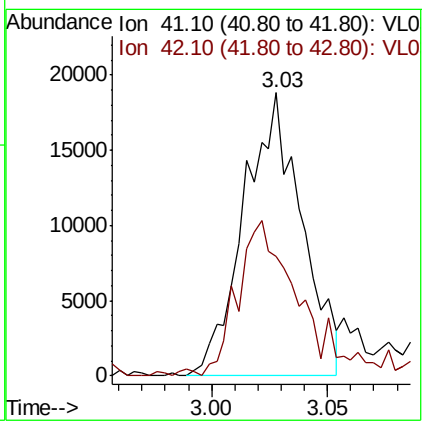


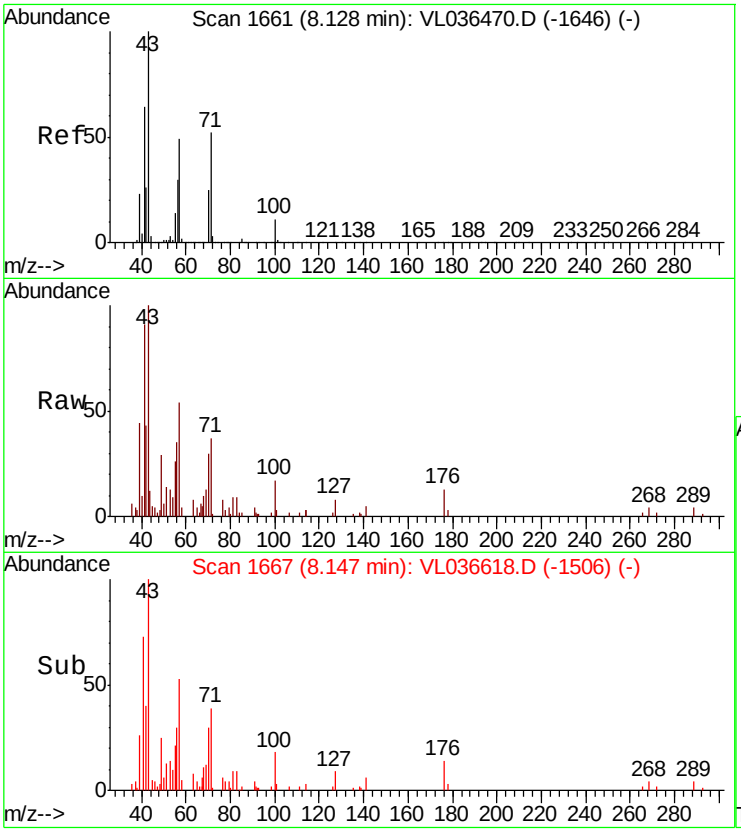


#9
Propene
Concen: 0.351 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 41 Resp: 32662

Ion	Ratio	Lower	Upper
41	100		
42	60.1	57.0	85.4



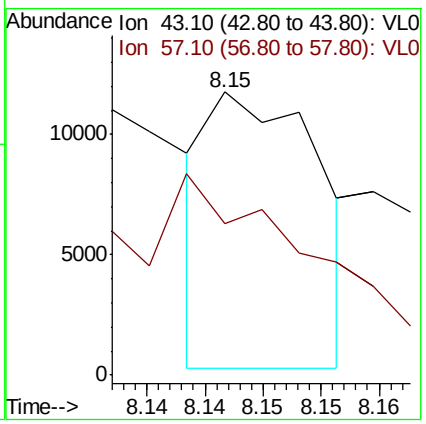


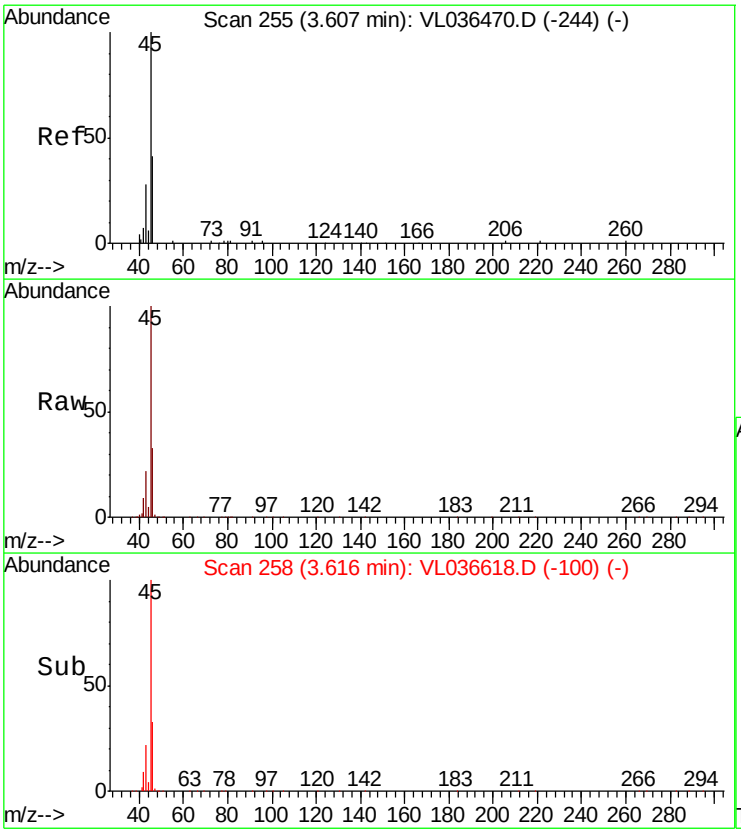
#10
Heptane
Concen: 0.032 ppbv
RT: 8.15 min Scan# 1667
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 7571

Ion	Ratio	Lower	Upper
43	100		
57	213.8	39.0	58.6#

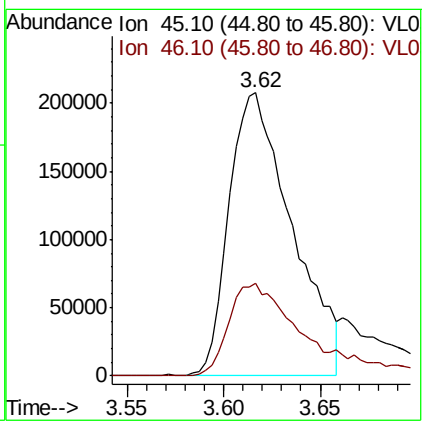


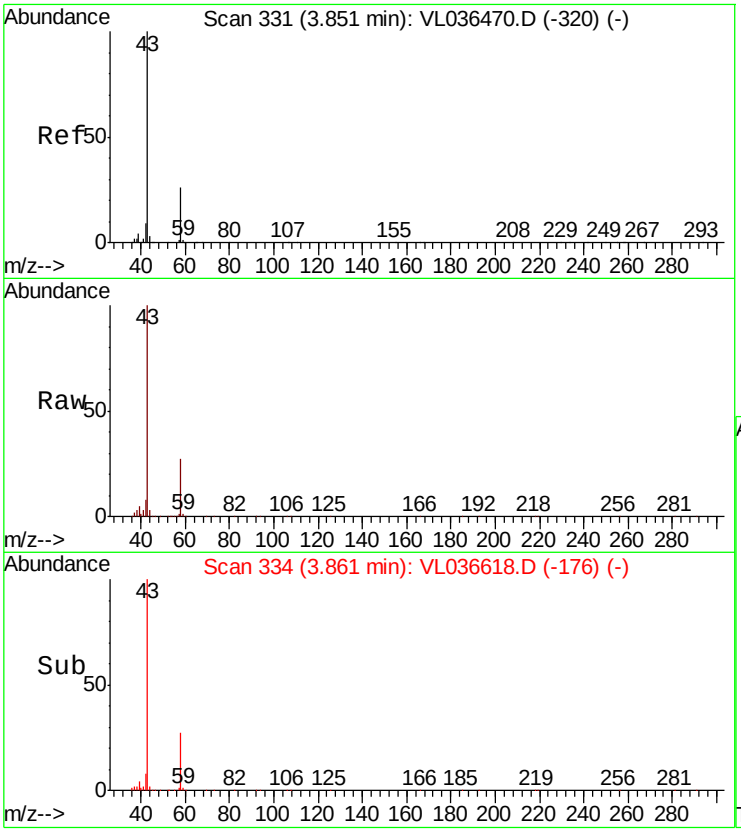


#13
Ethanol
Concen: 42.433 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 45 Resp: 469569

Ion	Ratio	Lower	Upper
45	100		
46	42.1	16.6	66.2



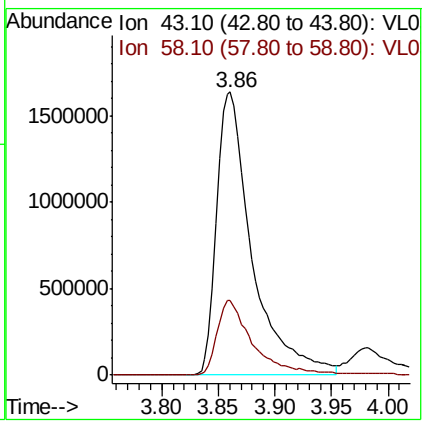


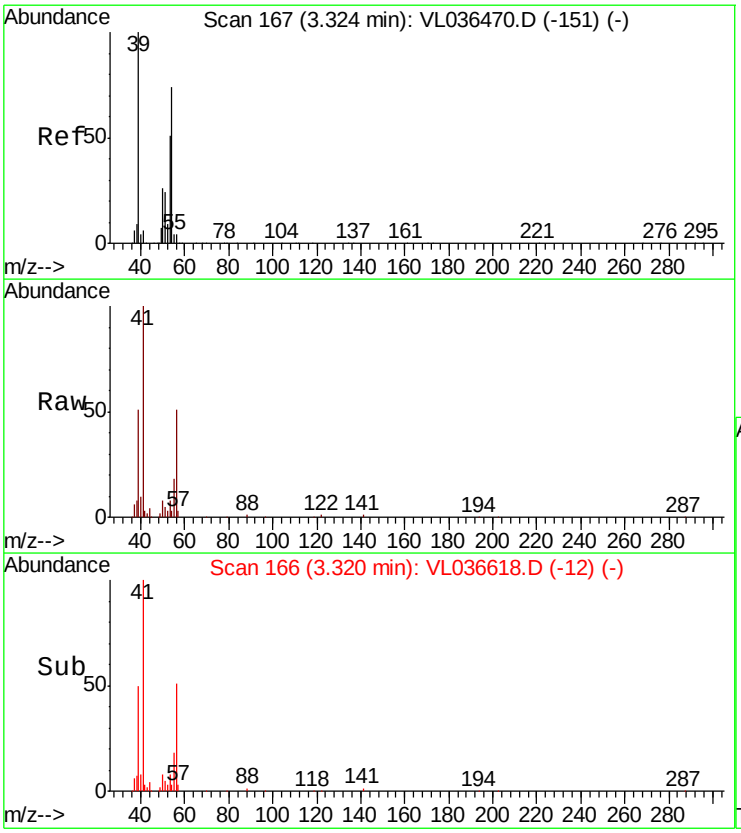
#15
Acetone
Concen: 23.224 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3566240

Ion	Ratio	Lower	Upper
43	100		
58	28.0	21.2	31.8

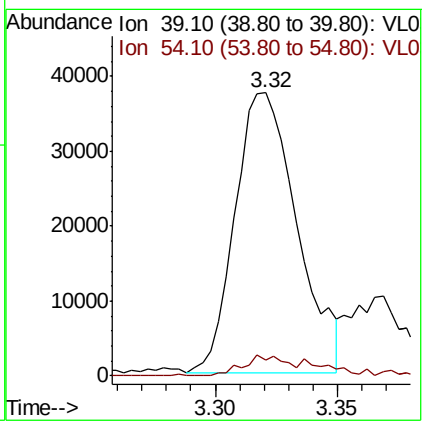


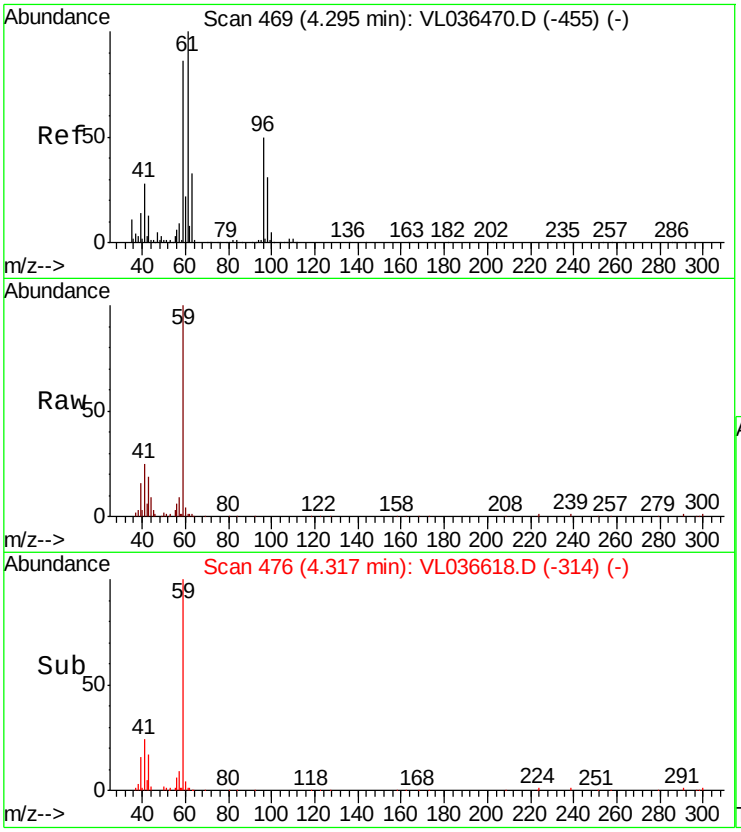


#16
1,3-Butadiene
Concen: 0.621 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 39 Resp: 66350

Ion	Ratio	Lower	Upper
39	100		
54	8.5	58.8	88.2#



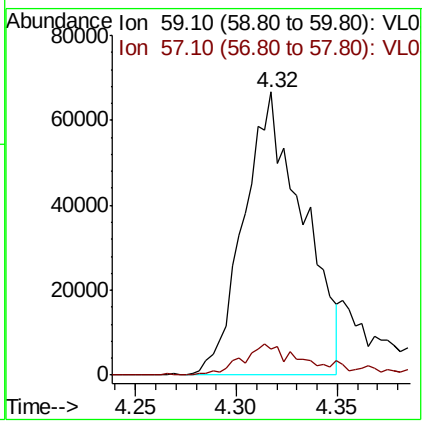


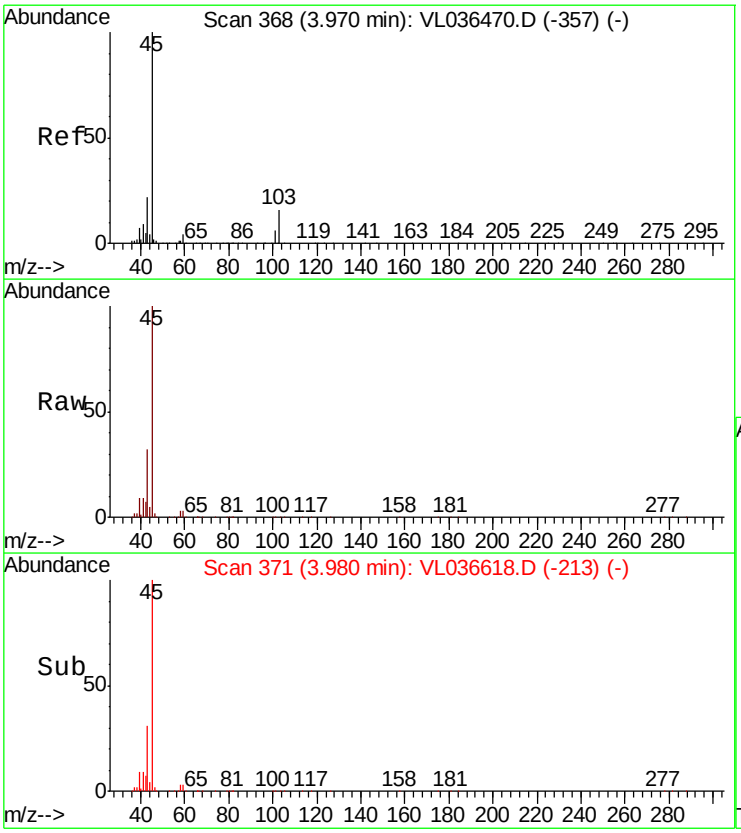
#17
tert-Butyl alcohol
Concen: 1.017 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 59 Resp: 136000

Ion	Ratio	Lower	Upper
59	100		
57	13.1	8.6	12.8#

Instrument :
MSVOA_L
ClientSampleId :

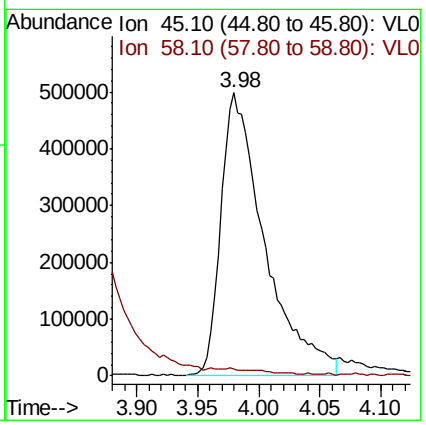


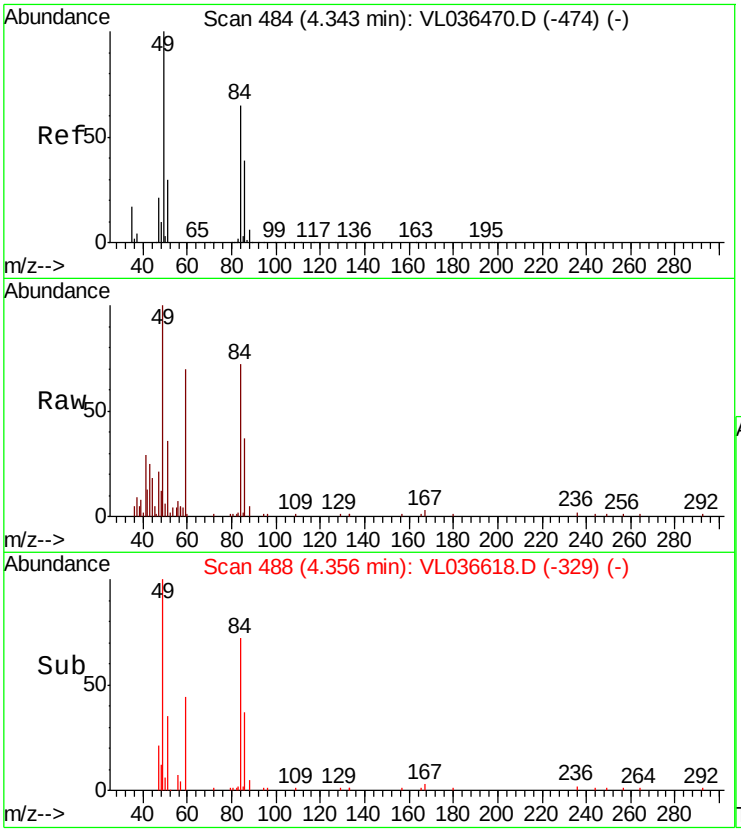


#19
Isopropyl Alcohol
Concen: 14.730 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 45 Resp: 1244290

Ion	Ratio	Lower	Upper
45	100		
58	80.1	2.9	4.3#



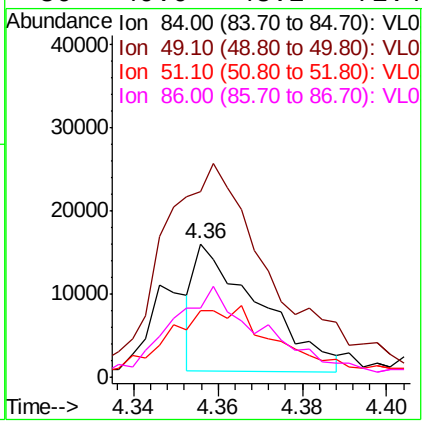


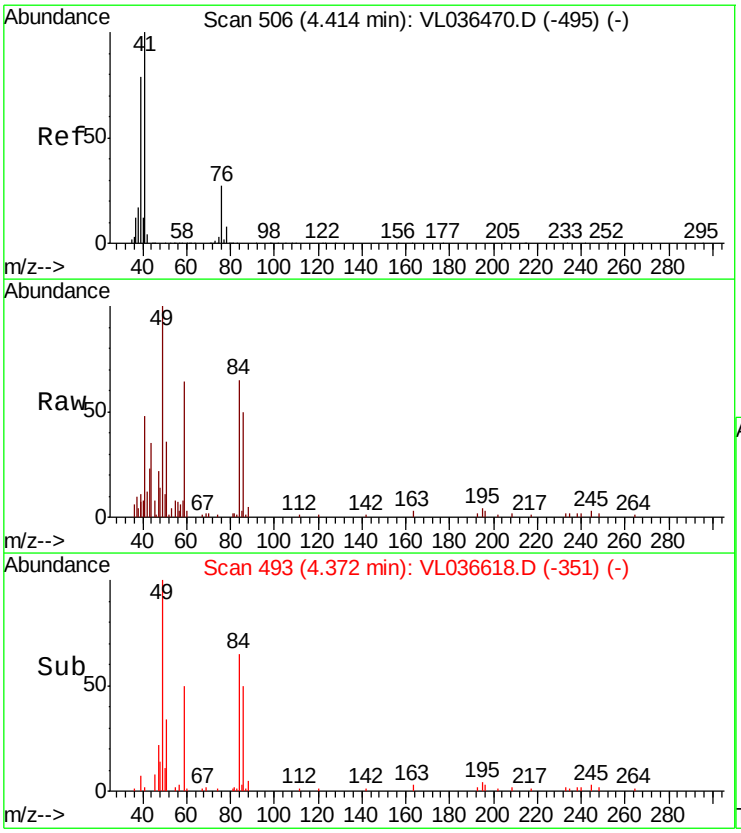
#20
Methylene Chloride
Concen: 0.227 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 16321

Ion	Ratio	Lower	Upper
84	100		
49	117.2	122.9	184.3#
51	44.2	36.9	55.3
86	49.0	48.2	72.4

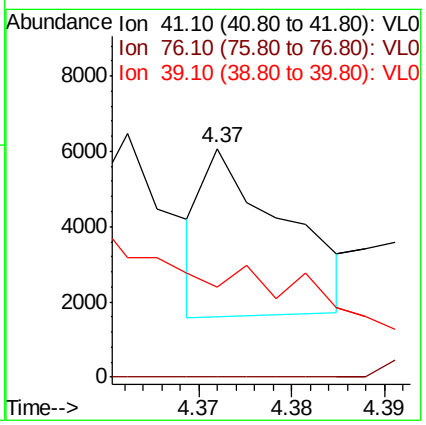


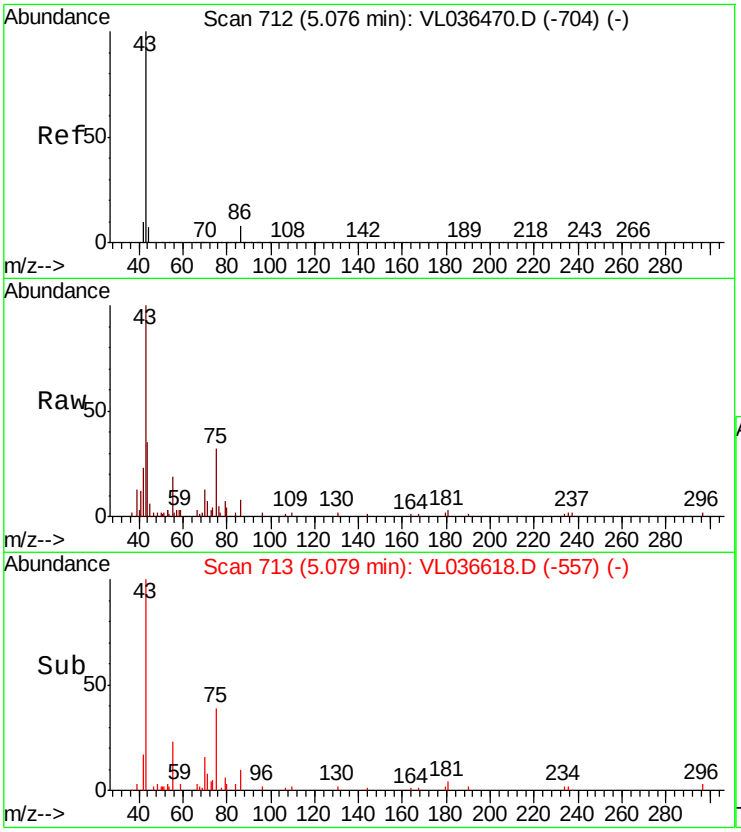


#21
Allyl Chloride
Concen: 0.022 ppbv
RT: 4.37 min Scan# 493
Delta R.T. -0.04 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 41 Resp: 2705

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	0.0	67.3	100.9#



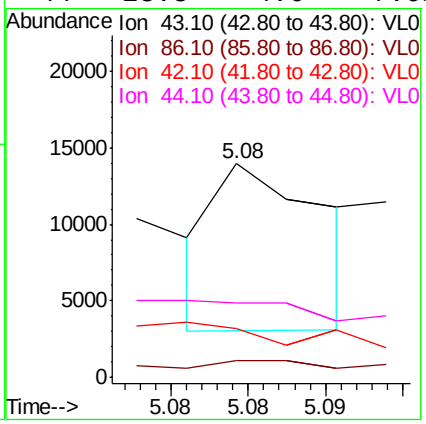


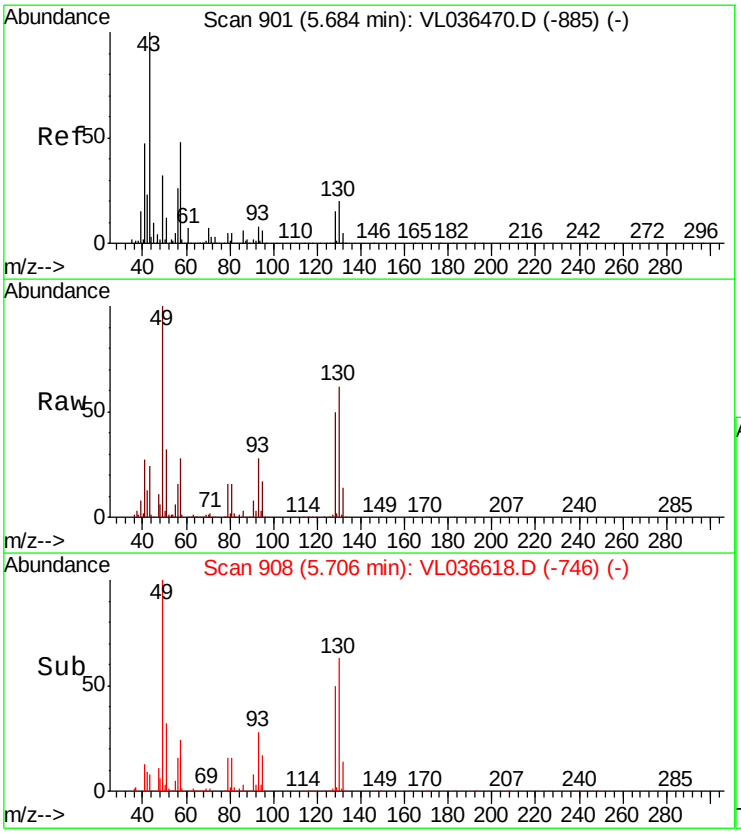
#23
Vinyl Acetate
Concen: 0.020 ppbv
RT: 5.08 min Scan# 713
Delta R.T. 0.00 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 5331

Ion	Ratio	Lower	Upper
43	100		
86	10.9	5.4	8.0#
42	2.3	8.5	12.7#
44	23.3	4.6	7.0#

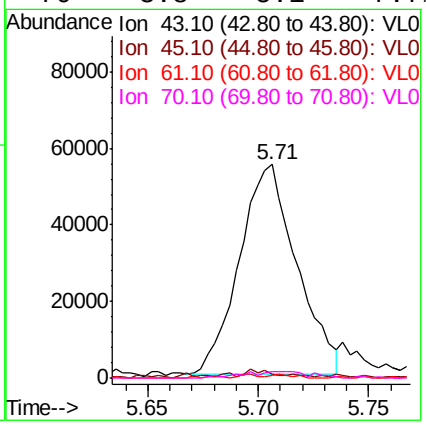


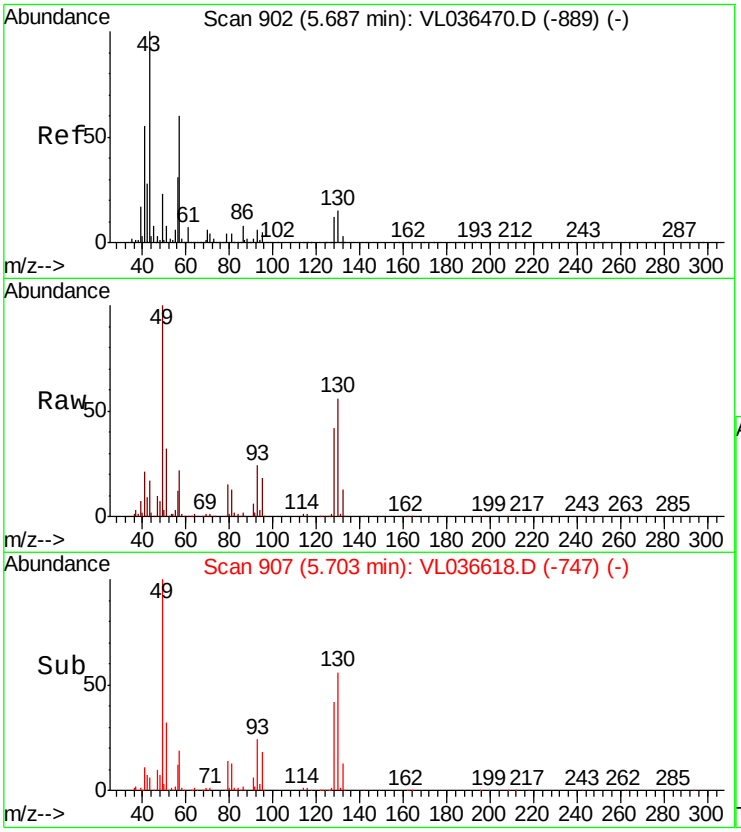


#25
Ethyl Acetate
Concen: 0.269 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 43 Resp: 98362

Ion	Ratio	Lower	Upper
43	100		
45	4.9	7.9	11.9#
61	2.1	7.4	11.2#
70	3.8	5.1	7.7#



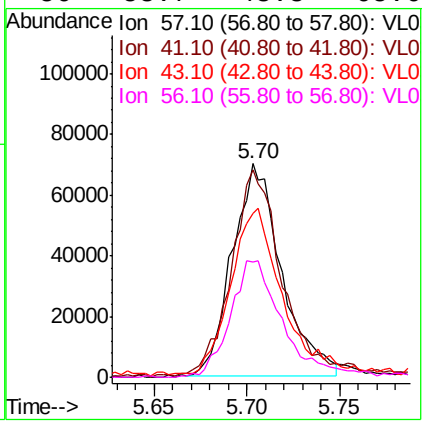


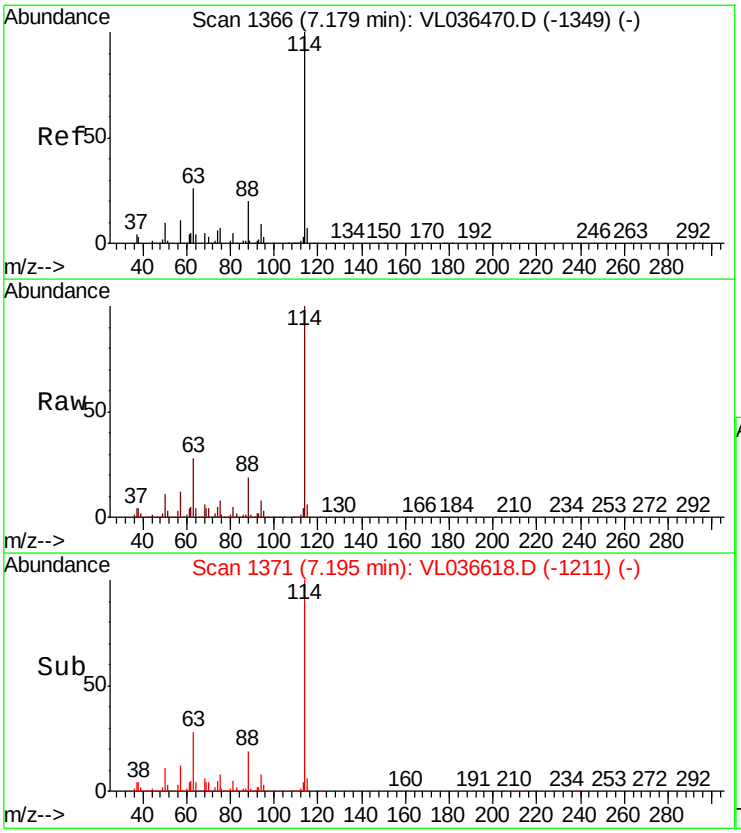
#26
Hexane
Concen: 0.763 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 129327

Ion	Ratio	Lower	Upper
57	100		
41	105.0	77.2	115.8
43	87.9	173.8	260.6#
56	58.7	43.8	65.6

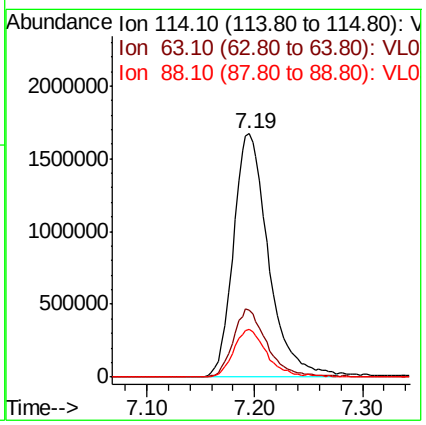


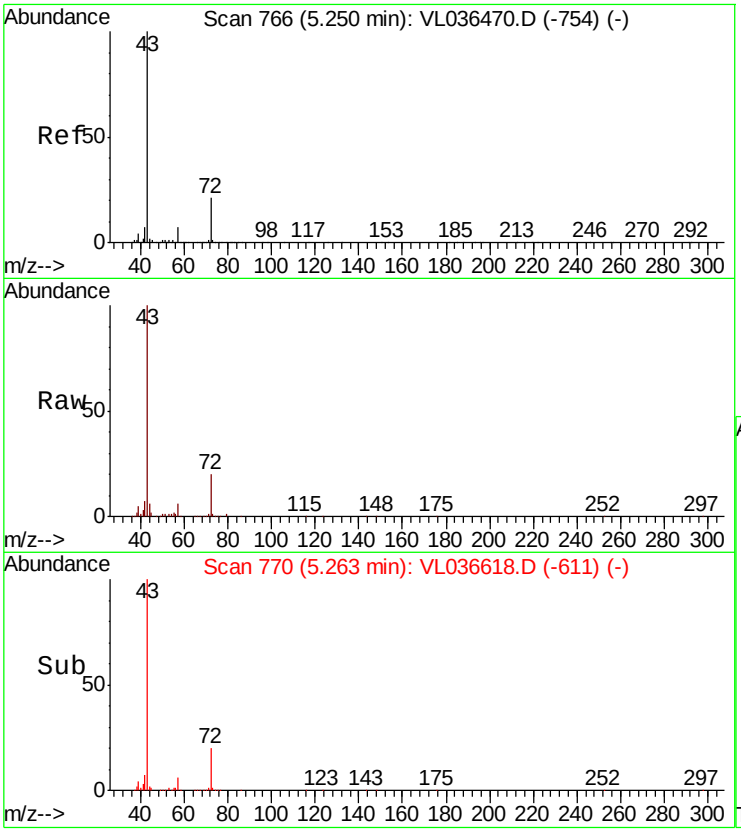


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1371
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion:114 Resp: 3788955

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.4	33.6
88	19.0	15.4	23.0



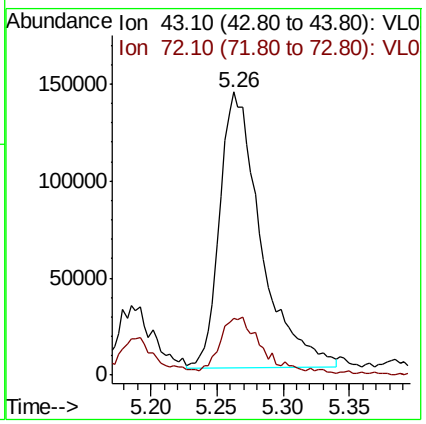


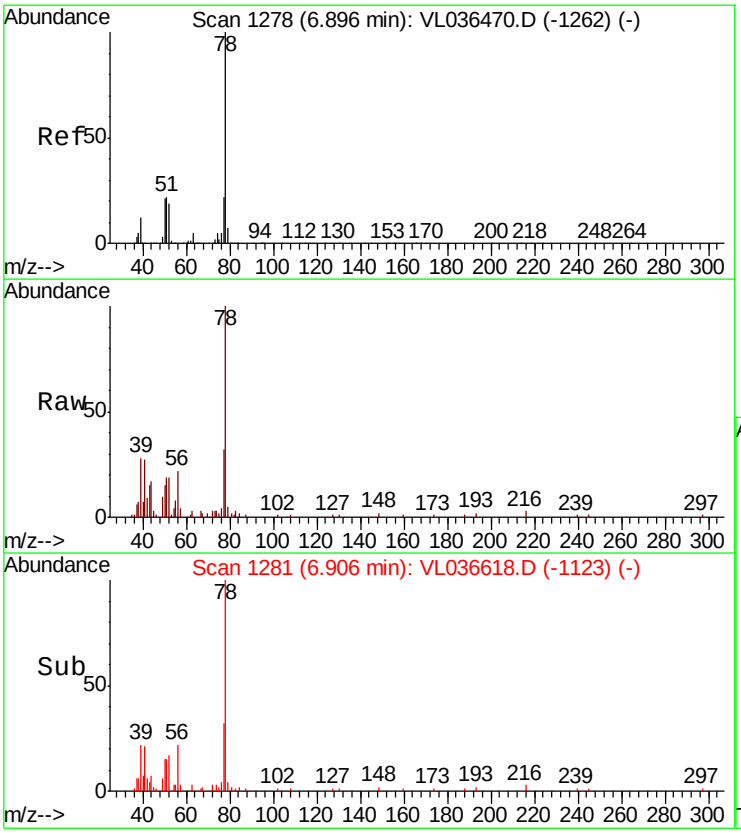
#34
2-Butanone
Concen: 1.658 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 306576

Ion	Ratio	Lower	Upper
43	100		
72	24.7	17.0	25.6

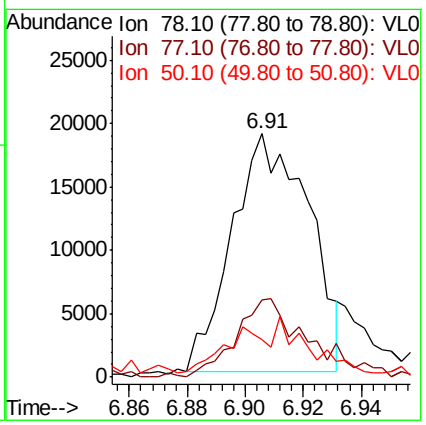


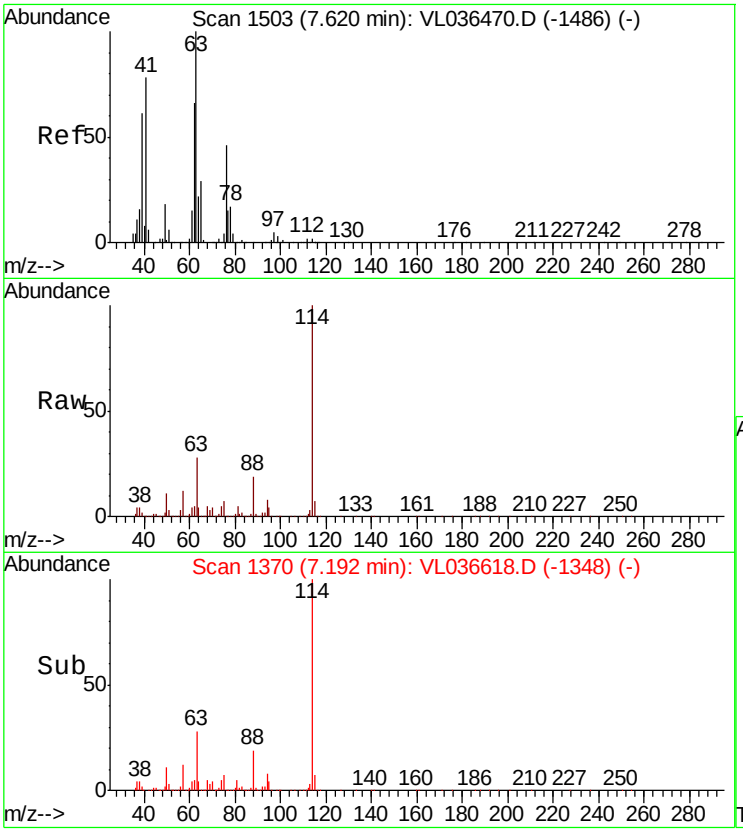


#36
Benzene
Concen: 0.099 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 78 Resp: 34454

Ion	Ratio	Lower	Upper
78	100		
77	33.7	18.0	27.0#
50	13.8	16.5	24.7#



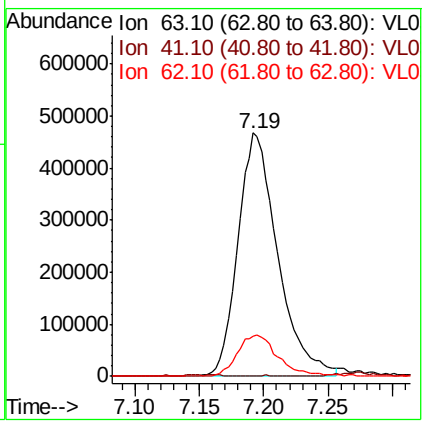


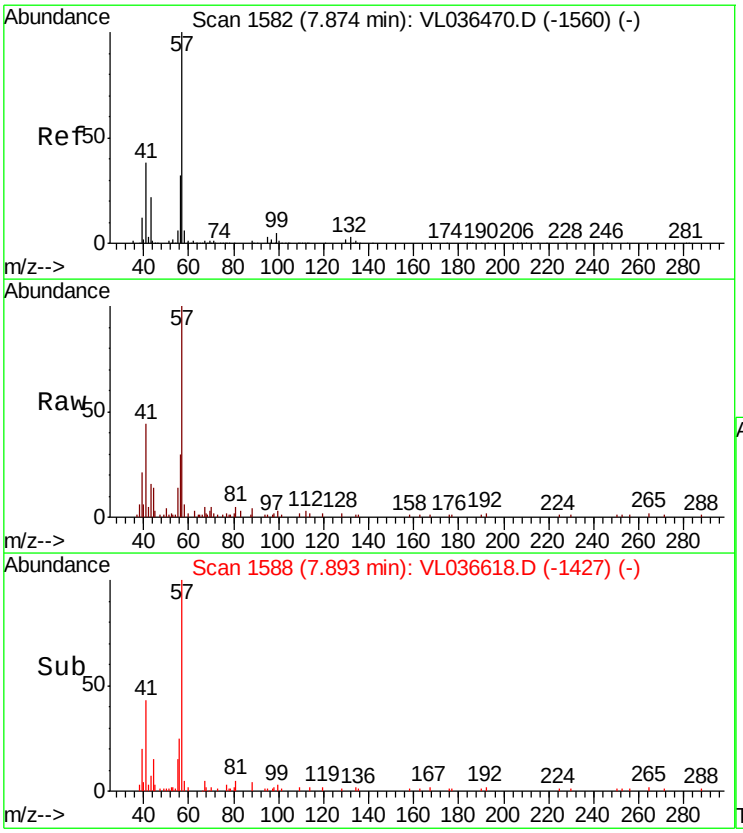
#39
1,2-Dichloropropane
Concen: 7.086 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.43 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 1004479

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	16.6	52.8	79.2#

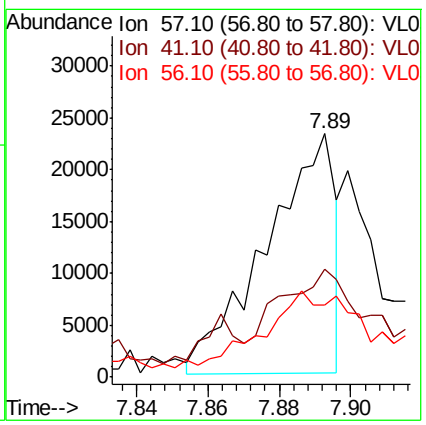


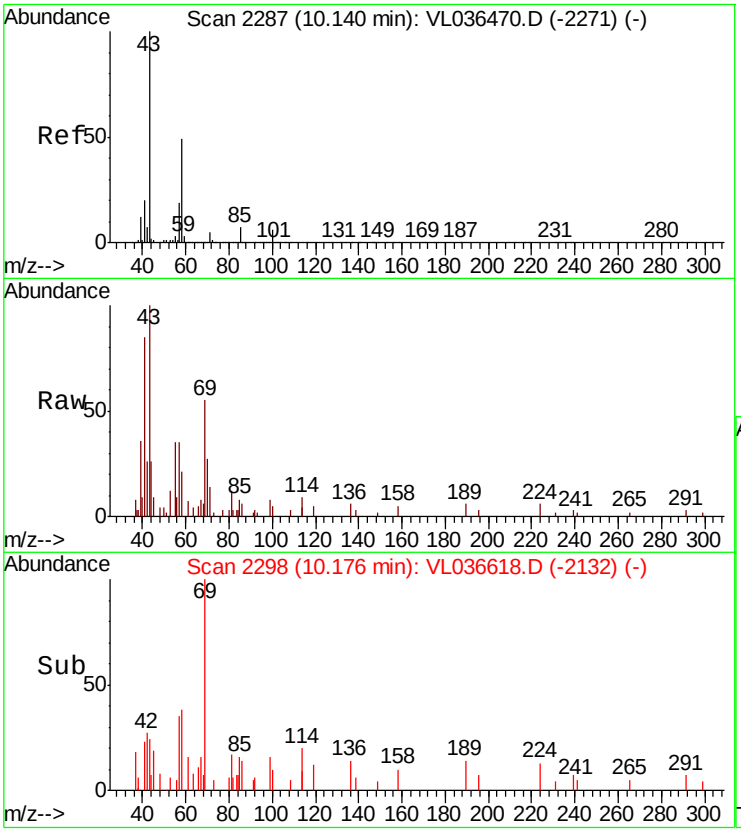


#44
2,2,4-Trimethylpentane
Concen: 0.050 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 57 Resp: 30946

Ion	Ratio	Lower	Upper
57	100		
41	75.2	28.8	43.2#
56	67.5	26.1	39.1#



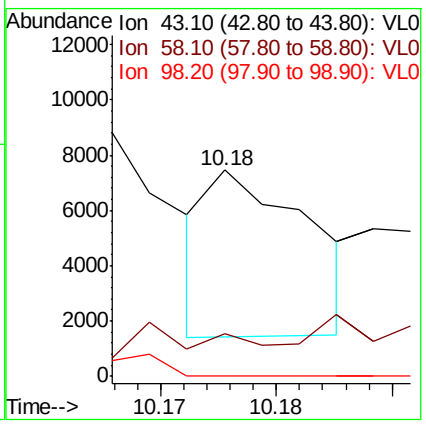


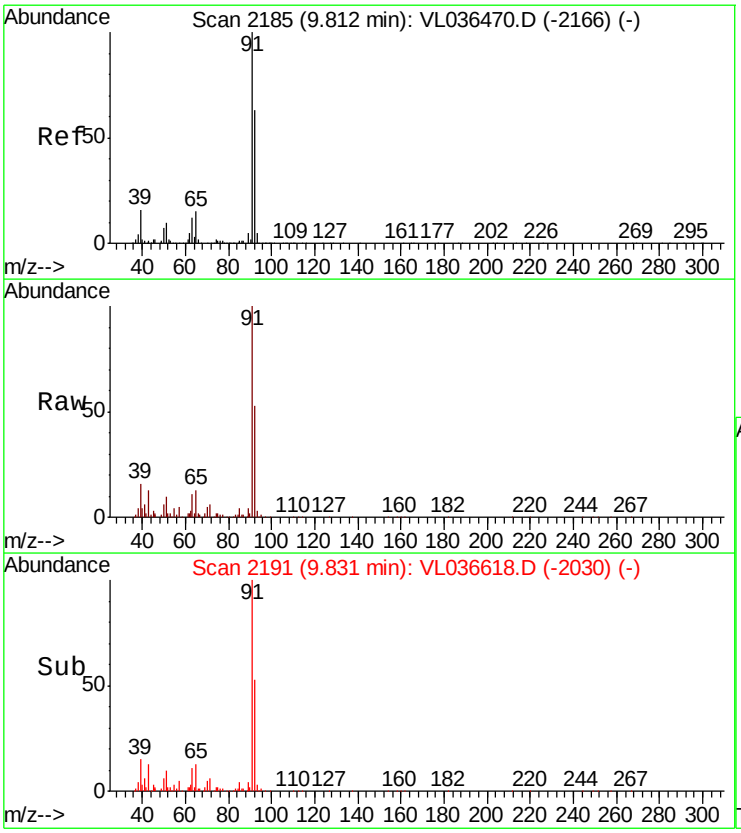
#51
2-Hexanone
Concen: 0.027 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. 0.04 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3643

Ion	Ratio	Lower	Upper
43	100		
58	0.0	37.7	56.5#
98	0.0	0.2	0.2#

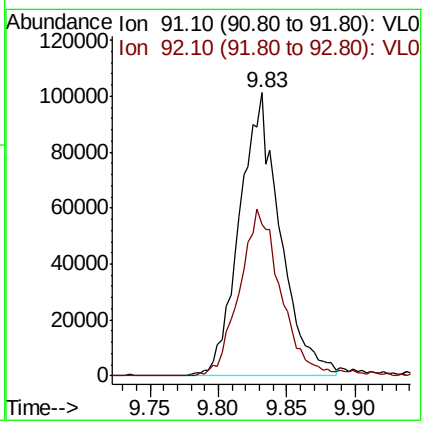


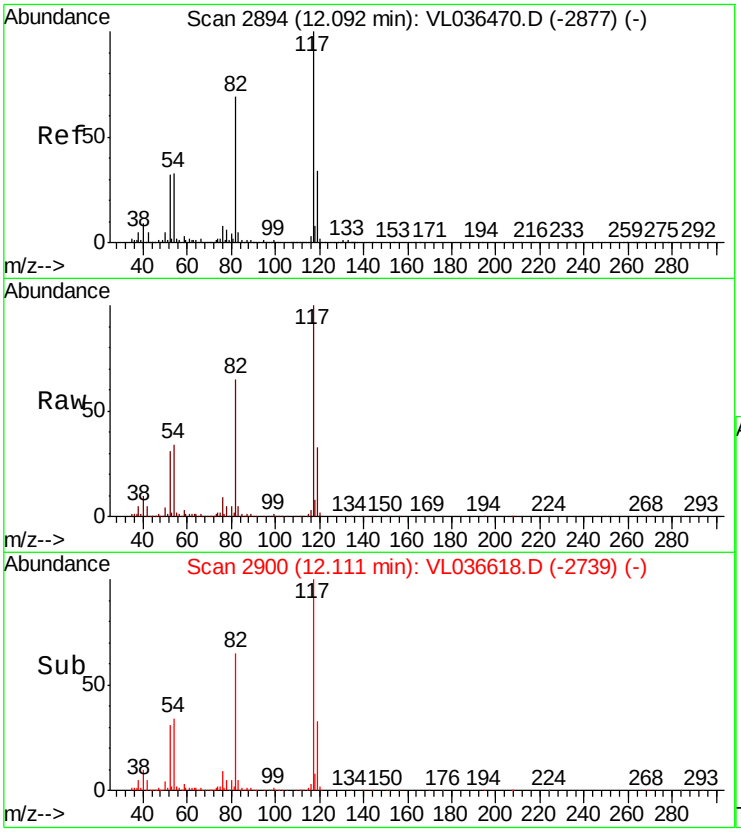


#53
Toluene
Concen: 0.564 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 91 Resp: 209717

Ion	Ratio	Lower	Upper
91	100		
92	61.2	48.8	73.2



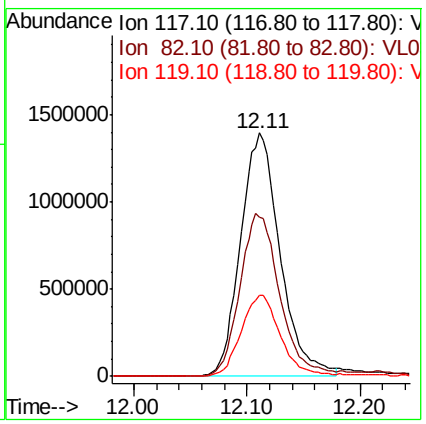


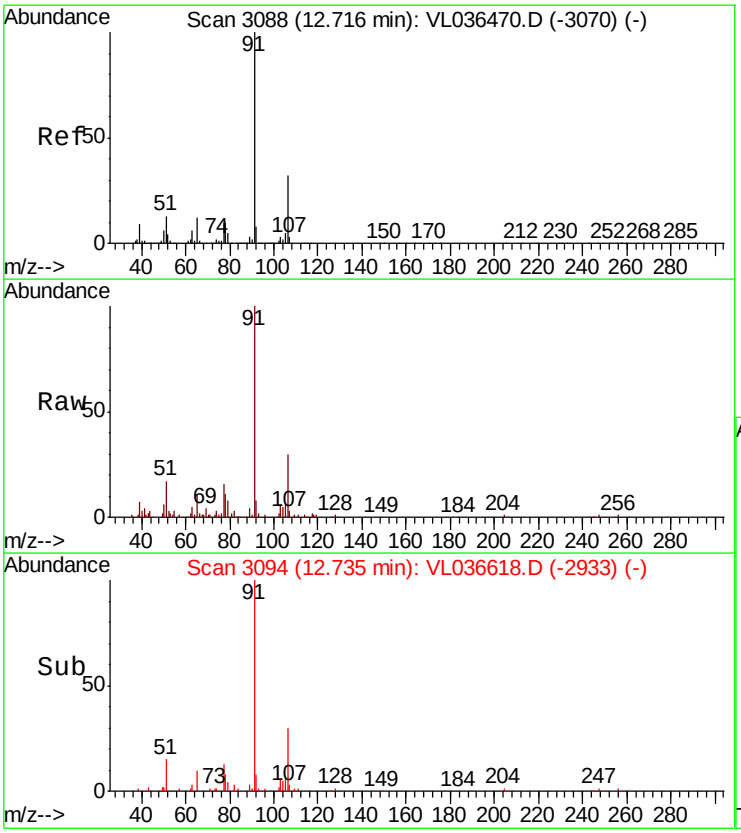
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3392097

Ion	Ratio	Lower	Upper
117	100		
82	68.1	57.4	86.0
119	34.6	47.4	71.0#

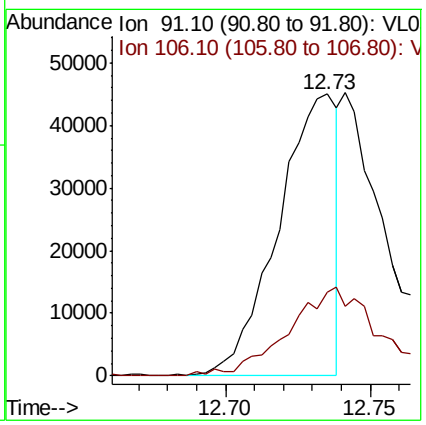


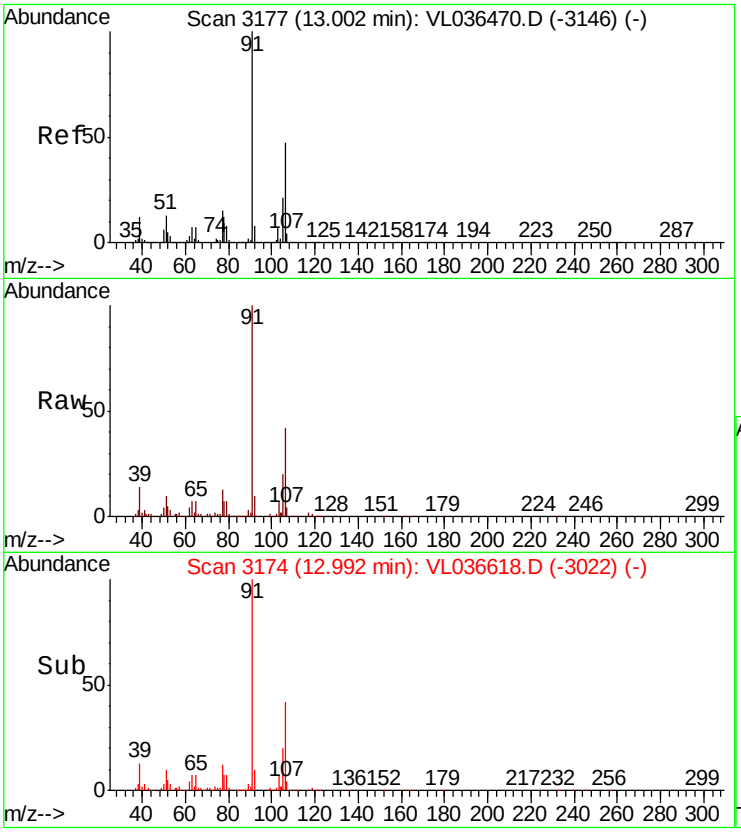


#58
Ethyl Benzene
Concen: 0.129 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 91 Resp: 63440

Ion	Ratio	Lower	Upper
91	100		
106	29.3	25.3	37.9



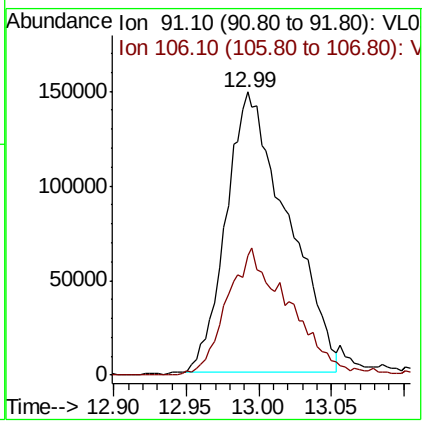


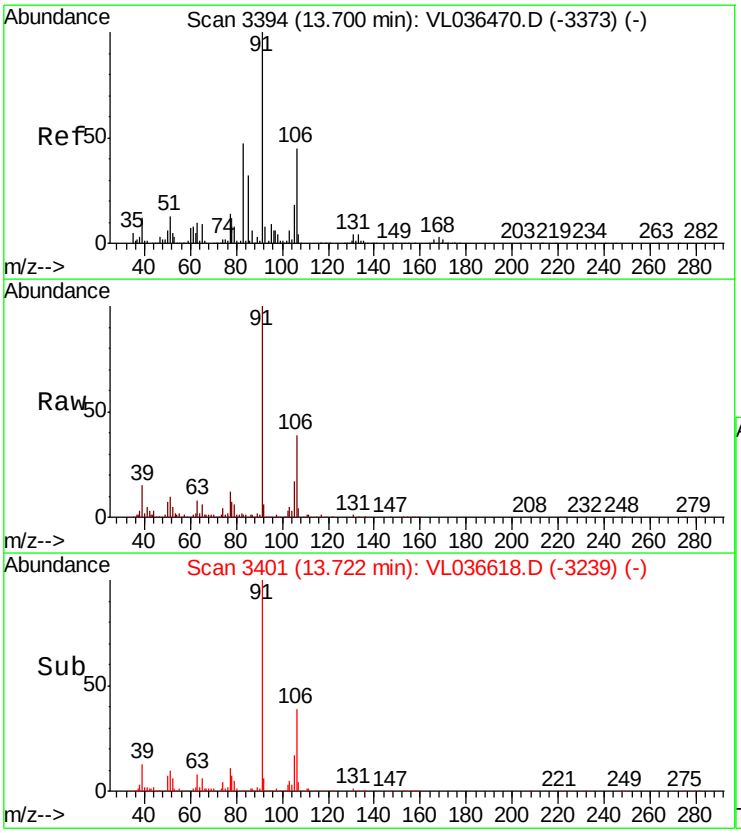
#59
m/p-Xylene
Concen: 1.010 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 434880

Ion	Ratio	Lower	Upper
91	100		
106	46.5	35.3	52.9

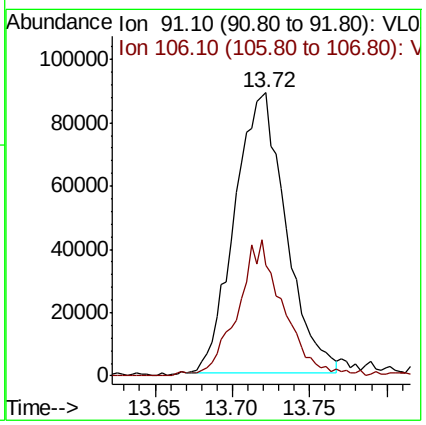


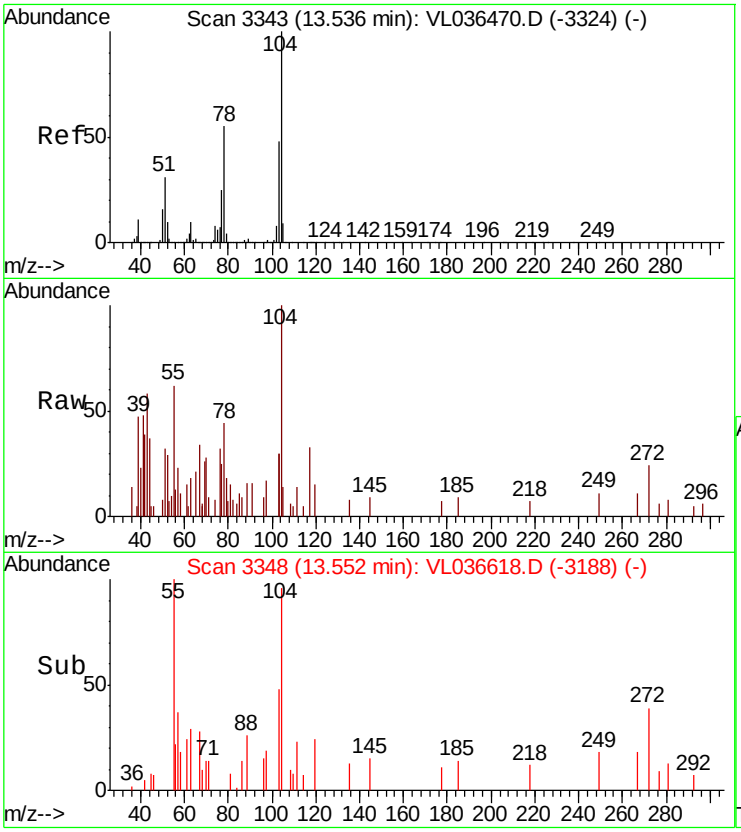


#60
o-Xylene
Concen: 0.491 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 91 Resp: 204504

Ion	Ratio	Lower	Upper
91	100		
106	44.4	22.3	66.9



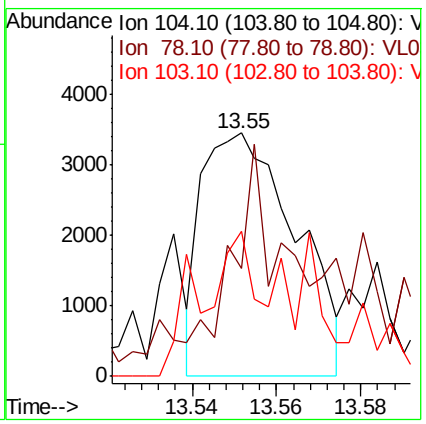


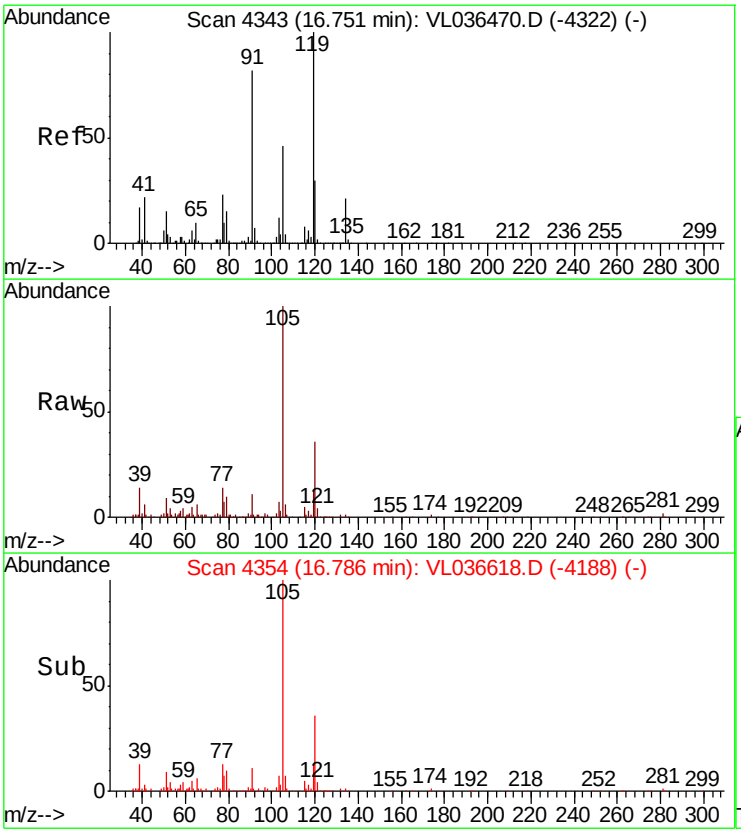
#61
Stvrene
Concen: 0.026 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 5353

Ion	Ratio	Lower	Upper
104	100		
78	117.3	43.8	65.8#
103	74.5	38.3	57.5#

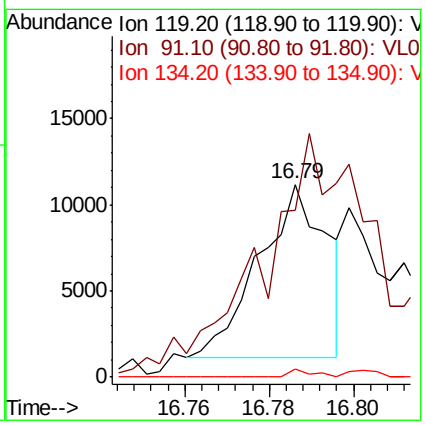


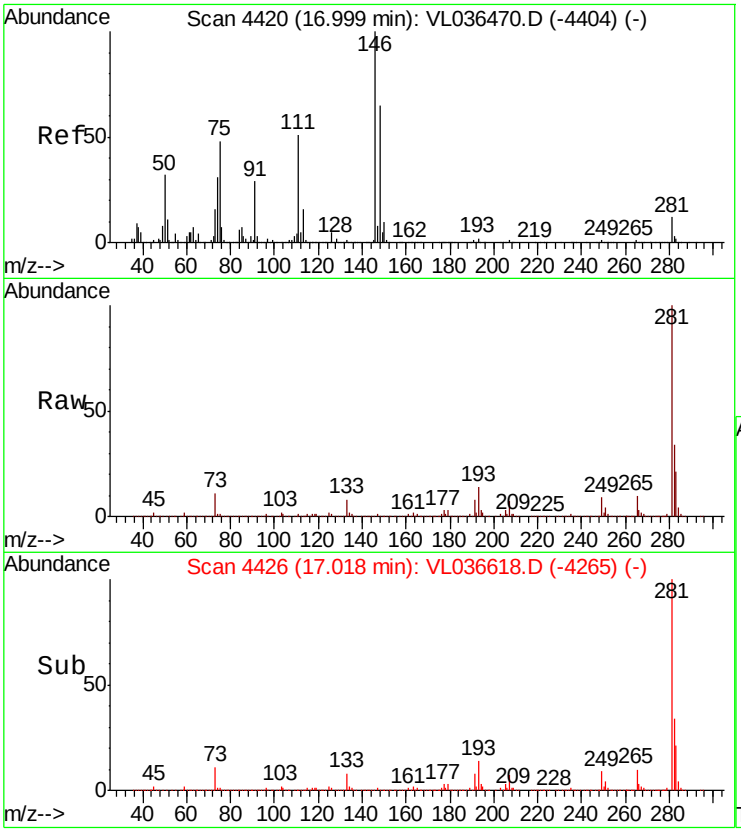


#65
tert-Butylbenzene
Concen: 0.023 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. 0.04 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion:119 Resp: 11219

Ion	Ratio	Lower	Upper
119	100		
91	279.5	67.5	101.3#
134	0.0	15.8	23.8#



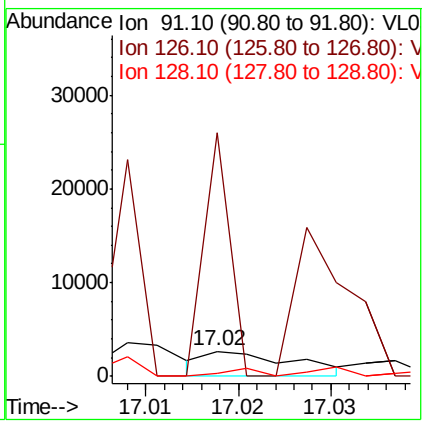


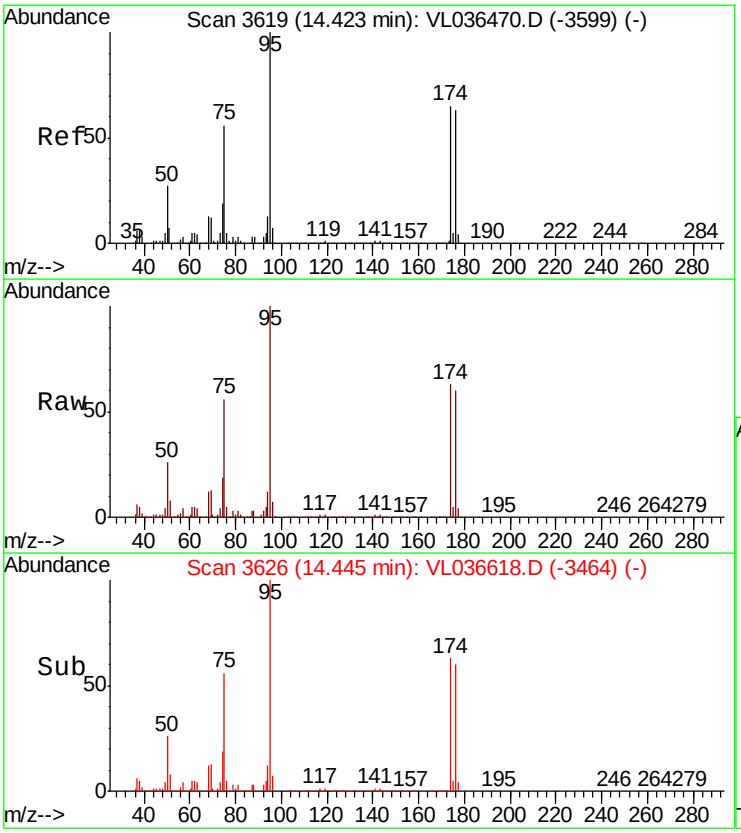
#66
Benzyl Chloride
Concen: 0.034 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 1801

Ion	Ratio	Lower	Upper
91	100		
126	1203.7	13.5	20.3#
128	0.0	4.2	6.4#

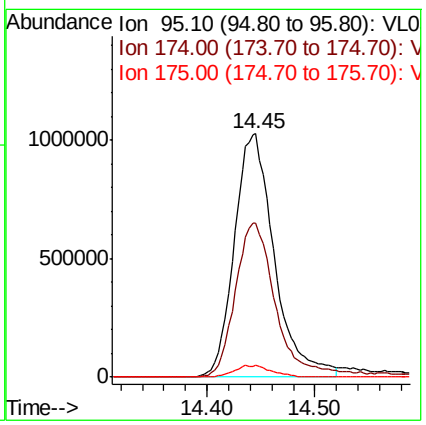


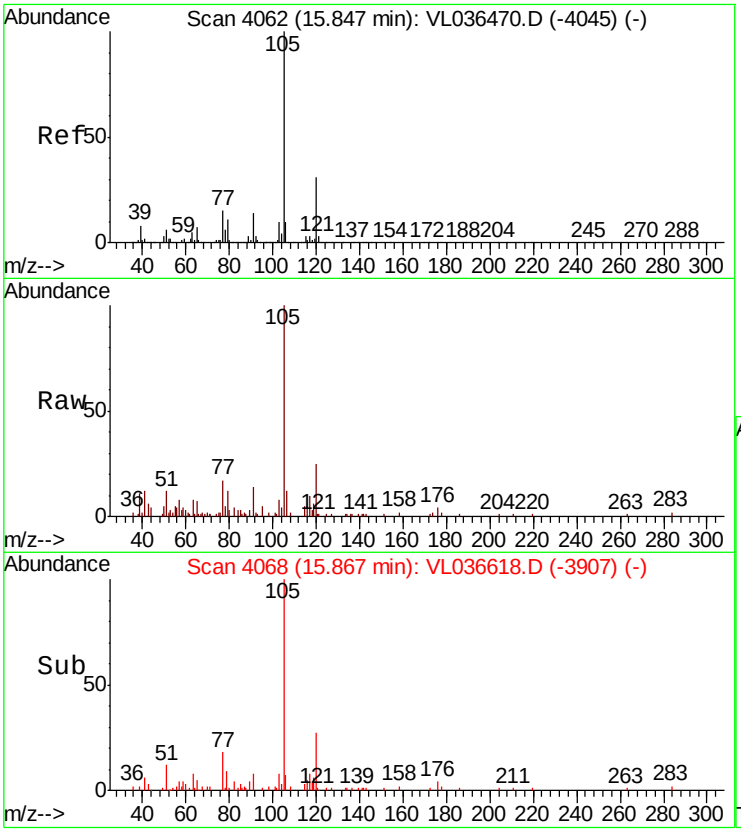


#68
1-Bromo-4-Fluorobenzene
Concen: 9.822 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion: 95 Resp: 2655378

Ion	Ratio	Lower	Upper
95	100		
174	66.5	51.0	76.6
175	4.7	3.9	5.9



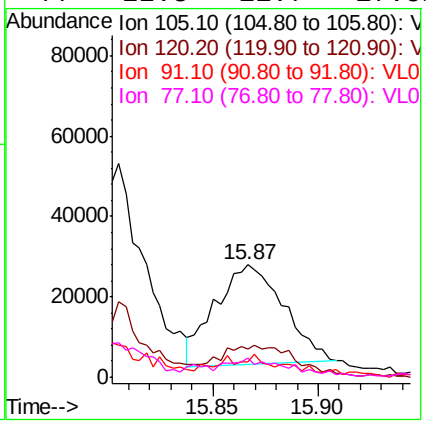


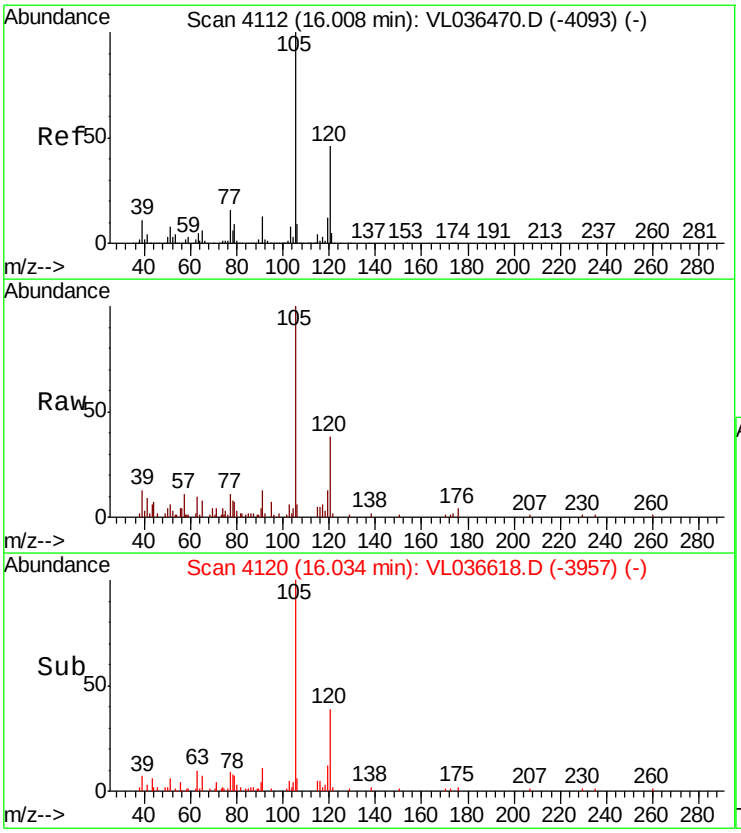
#72
4-Ethyltoluene
Concen: 0.122 ppbv
RT: 15.87 min Scan# 4068
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 55585

Ion	Ratio	Lower	Upper
105	100		
120	36.8	24.0	36.0#
91	24.3	11.0	16.4#
77	22.8	11.7	17.5#

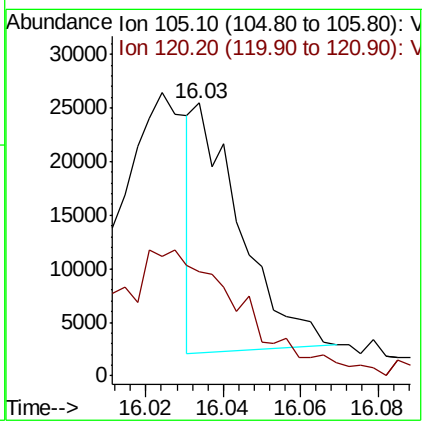


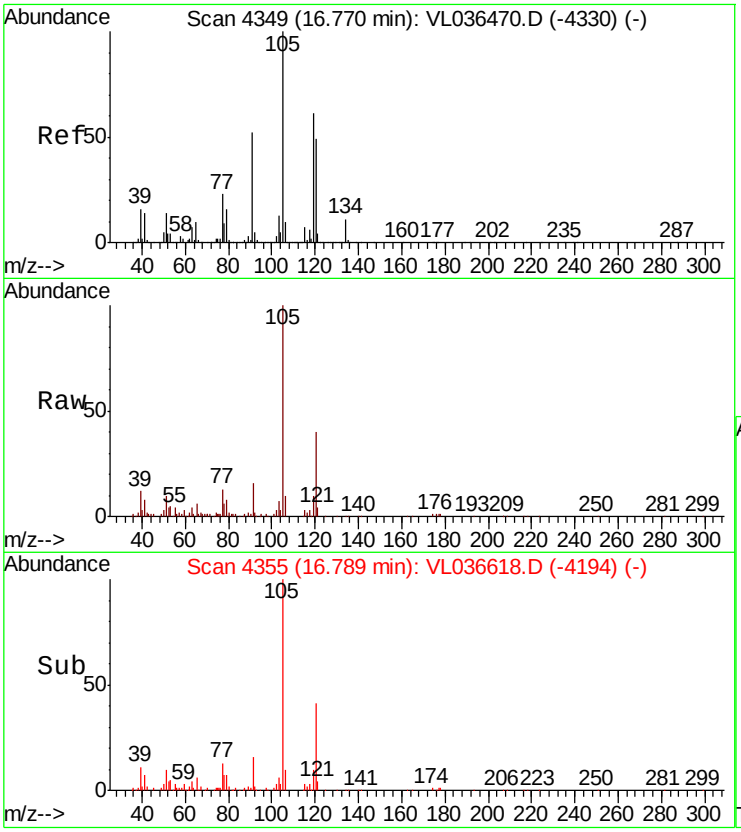


#73
1,3,5-Trimethylbenzene
Concen: 0.046 ppbv
RT: 16.03 min Scan# 4120
Delta R.T. 0.03 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Tgt Ion:105 Resp: 19413

Ion	Ratio	Lower	Upper
105	100		
120	35.8	36.6	54.8#





#74
1,2,4-Trimethylbenzene
Concen: 0.417 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. 0.02 min
Lab File: VL036618.D
Acq: 1 Apr 2021 2:09

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 189854

Ion	Ratio	Lower	Upper
105	100		
120	40.9	39.2	58.8
91	15.7	42.6	64.0#
77	12.9	18.6	28.0#