Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112420\
Data File : VL036009.D
Acq On : 25 Nov 2020 00:58
Operator : SY/AP
Sample : L4883-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 25 07:17:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1138148	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.15	114	4003100	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.06	117	3732603	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2972963	11.21	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 112.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	49577	0.231	ppbv		95
3) Chlorodifluoromethane	2.86	51	3289797	24.137	ppbv	#	56
4) Chloromethane	3.12	50	39472	0.596	ppbv		95
9) Propene	3.00	41	48325	0.969	ppbv		87
10) Heptane	8.09	43	6709	0.049	ppbv	#	1
11) Trichlorofluoromethane	3.93	101	74913	0.278	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	6613	0.033	ppbv	#	3
13) Ethanol	3.61	45	10850297	1002.564	ppbv		100
15) Acetone	3.82	43	2912353	23.935	ppbv		97
16) 1,3-Butadiene	3.33	39	35059	0.669	ppbv	#	12
17) tert-Butyl alcohol	4.31	59	148296	0.920	ppbv	#	94
19) Isopropyl Alcohol	3.98	45	10626262	142.109	ppbv	#	96
20) Methylene Chloride	4.32	84	677849	7.913	ppbv		98
21) Allyl Chloride	4.32	41	11806	0.179	ppbv	#	41
23) Vinyl Acetate	5.04	43	34653	0.203	ppbv	#	1
25) Ethyl Acetate	5.65	43	297570	1.241	ppbv	#	90
26) Hexane	5.66	57	259840	1.966	ppbv	#	67
30) Cyclohexane	7.10	84	5825	0.040	ppbv	#	1
34) 2-Butanone	5.22	43	147836	1.138	ppbv		96
35) Carbon Tetrachloride	6.99	117	7654	0.036	ppbv		94
36) Benzene	6.86	78	78064	0.262	ppbv		94
39) 1,2-Dichloropropane	7.15	63	827788	8.262	ppbv	#	30
44) 2,2,4-Trimethylpentane	7.84	57	12848	0.033	ppbv	#	1
53) Toluene	9.78	91	516864	1.439	ppbv		97
59) m/p-Xylene	12.94	91	100367	0.261	ppbv		100
60) o-Xylene	13.67	91	57700	0.154	ppbv		97
61) Styrene	13.50	104	19878	0.073	ppbv	#	9
64) n-propylbenzene	15.53	120	8290	0.049	ppbv	#	1
65) tert-Butylbenzene	16.73	119	44201	0.083	ppbv	#	20
69) p-Isopropyltoluene	17.63	119	79018	0.133	ppbv		97
71) 2-Chlorotoluene	15.54	91	86486	0.201	ppbv	#	40
72) 4-Ethyltoluene	15.81	105	148748	0.328	ppbv	#	95
73) 1,3,5-Trimethylbenzene	15.97	105	146283	0.352	ppbv		88
74) 1,2,4-Trimethylbenzene	16.73	105	707301	1.590	ppbv	#	68
76) 1,4-Dichlorobenzene	17.11	146	15594	0.057	ppbv	#	33

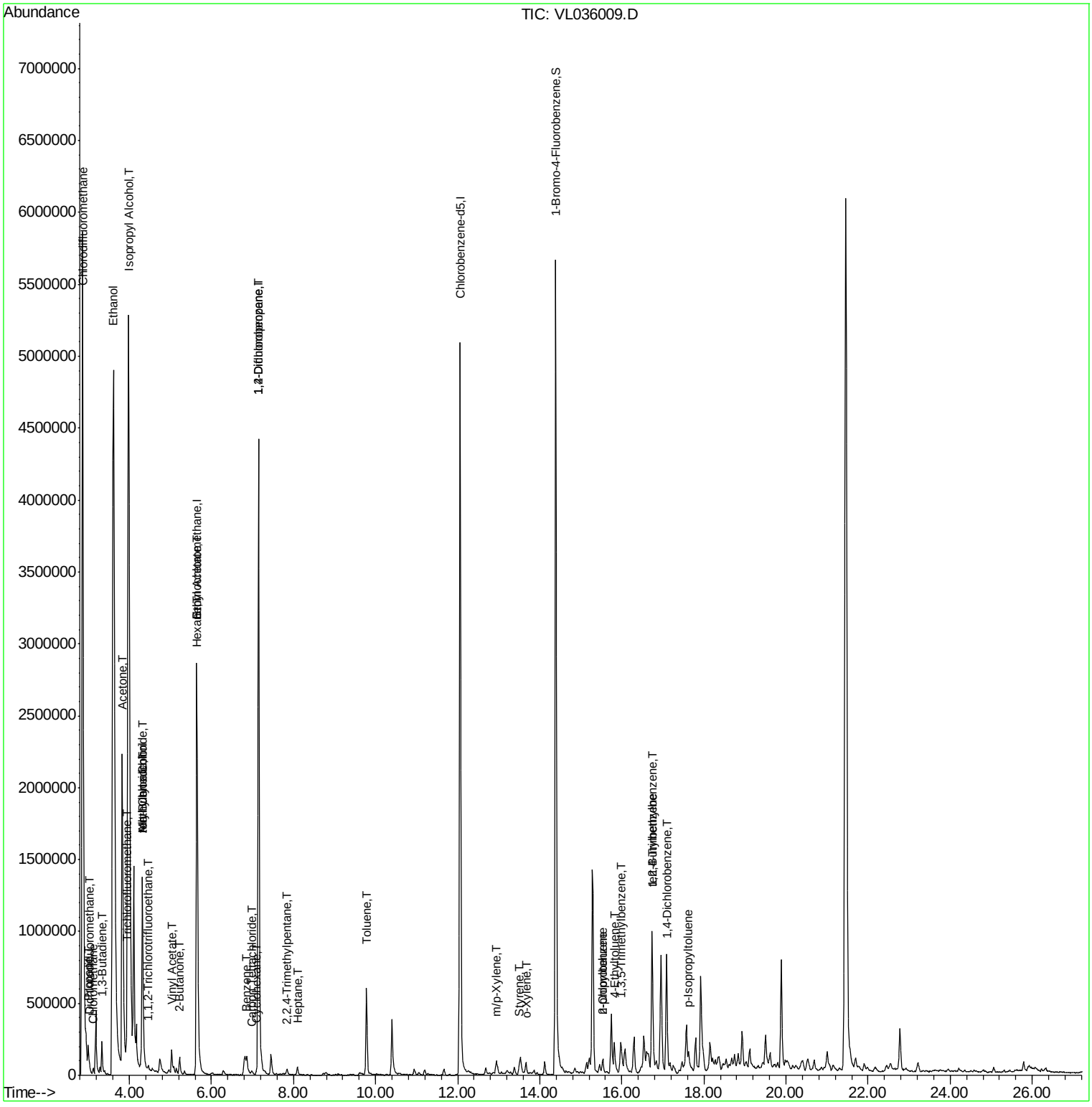
(#) = qualifier out of range (m) = manual integration (+) = signals summed

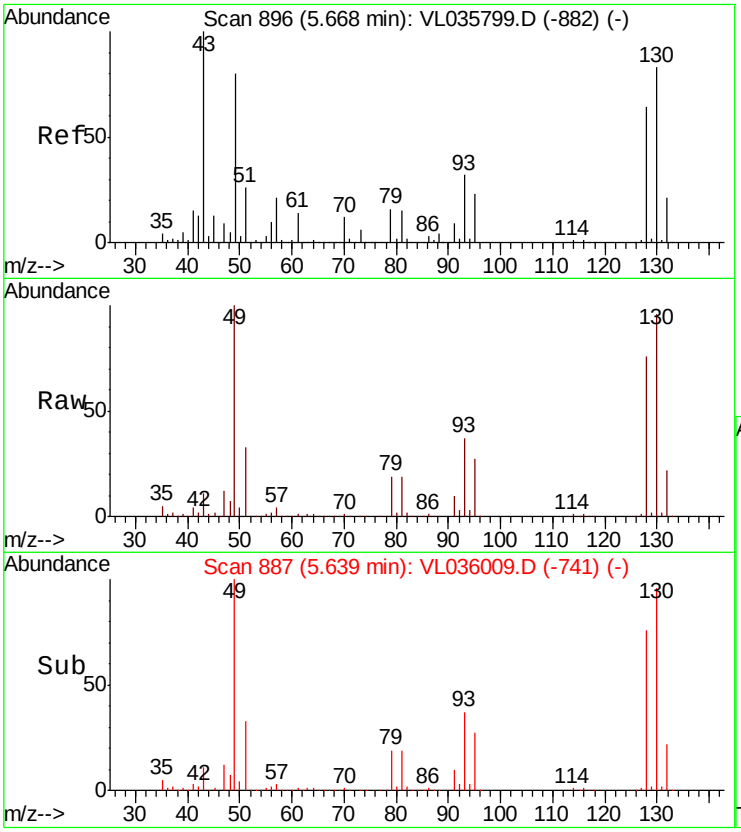
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112420\
Data File : VL036009.D
Acq On : 25 Nov 2020 00:58
Operator : SY/AP
Sample : L4883-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 25 07:17:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration



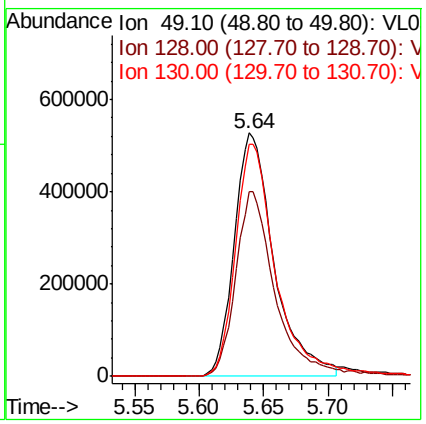


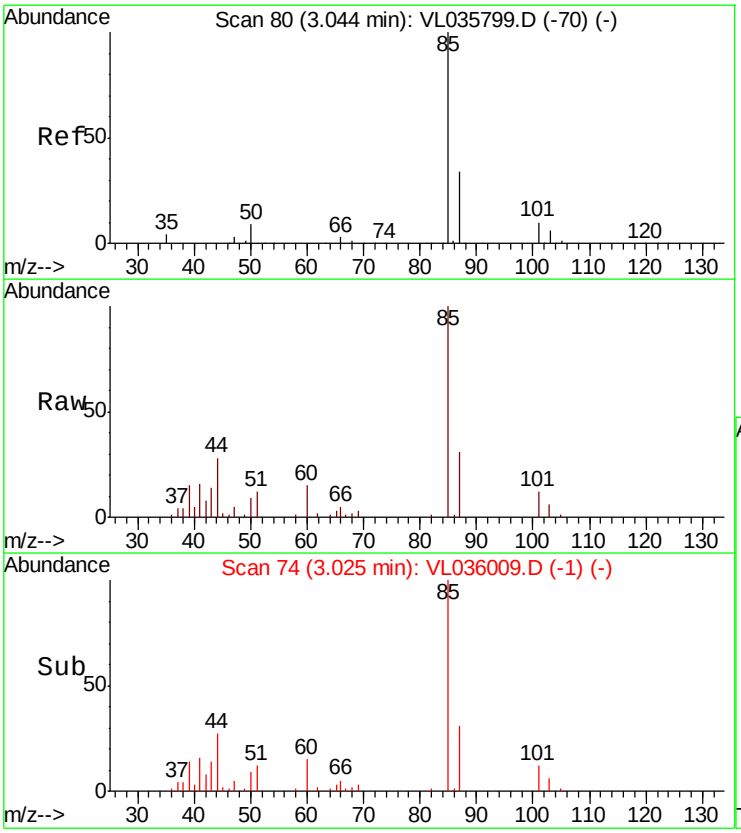
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 887
Delta R.T. -0.03 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1138148

Ion	Ratio	Lower	Upper
49	100		
128	76.6	41.5	124.6
130	98.2	53.7	161.1

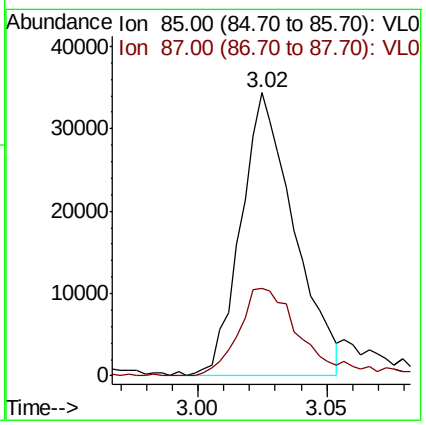


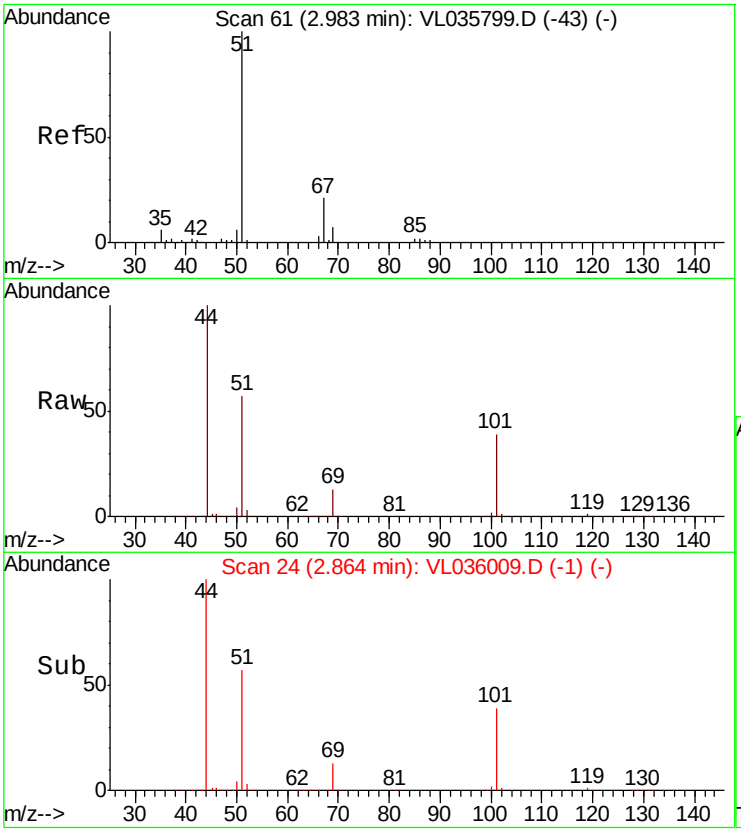


#2
Dichlorodifluoromethane
Concen: 0.231 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.02 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 85 Resp: 49577

Ion	Ratio	Lower	Upper
85	100		
87	31.1	27.1	40.7



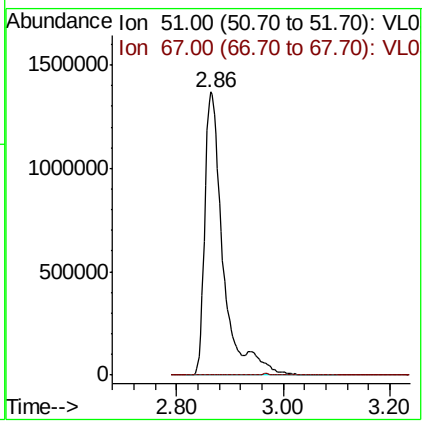


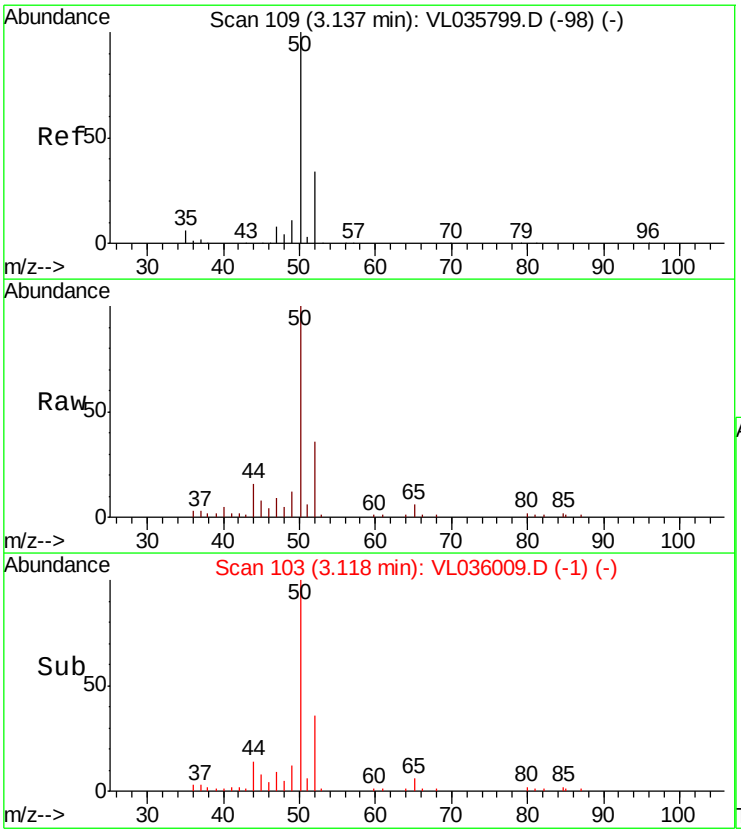
#3
Chlorodifluoromethane
Concen: 24.137 ppbv
RT: 2.86 min Scan# 24
Delta R.T. -0.12 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 3289797

Ion	Ratio	Lower	Upper
51	100		
67	0.3	17.0	25.4#

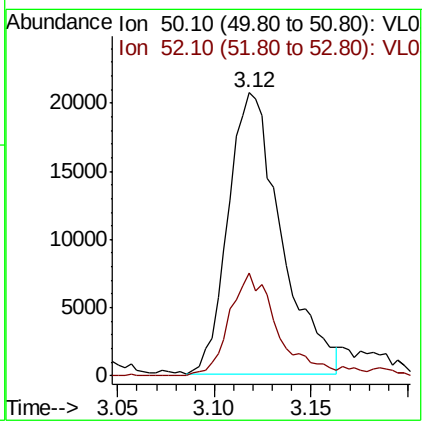


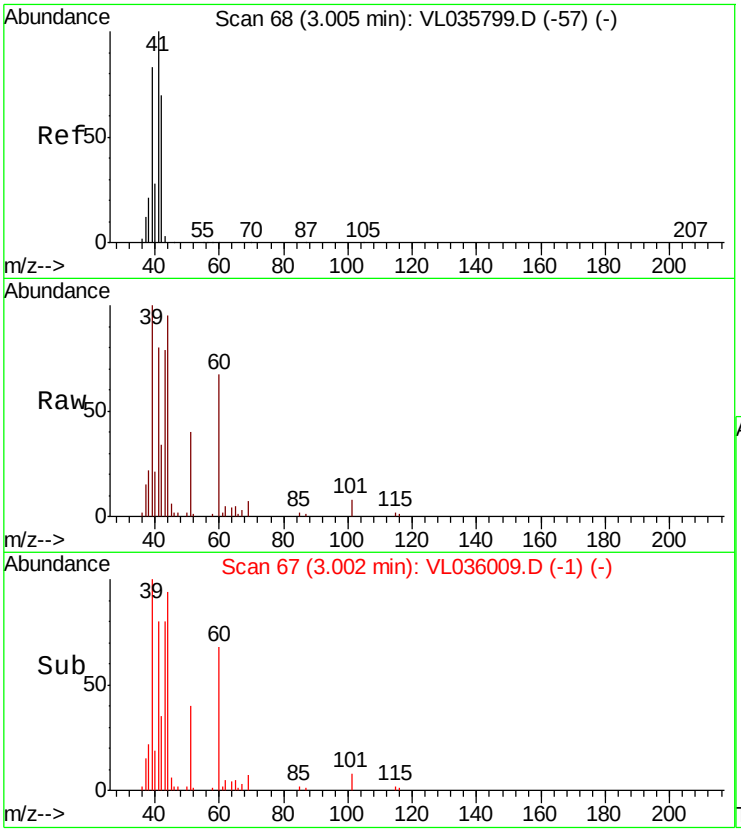


#4
Chloromethane
Concen: 0.596 ppbv
RT: 3.12 min Scan# 103
Delta R.T. -0.02 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 50 Resp: 39472

Ion	Ratio	Lower	Upper
50	100		
52	36.6	27.1	40.7



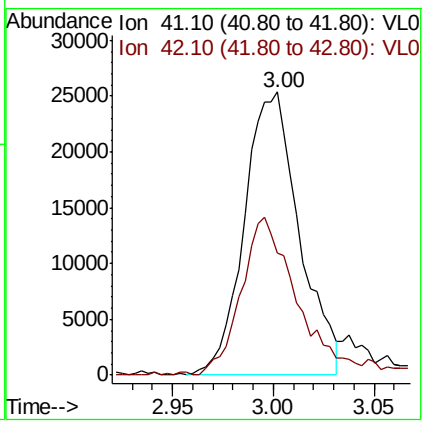


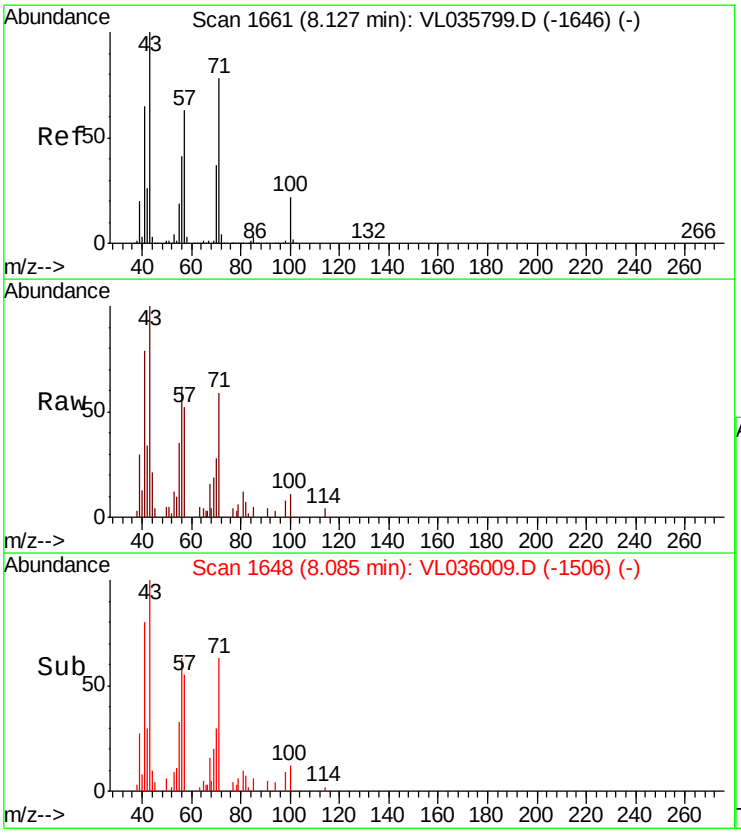
#9
Propene
Concen: 0.969 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 48325

Ion	Ratio	Lower	Upper
41	100		
42	59.8	56.2	84.4

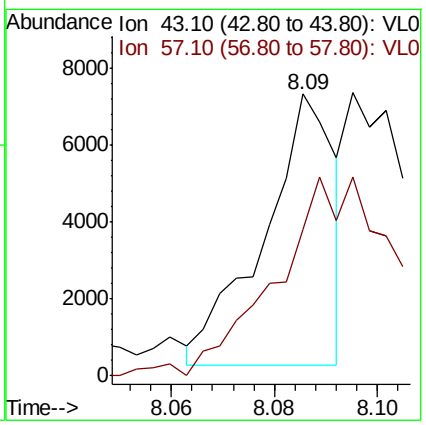


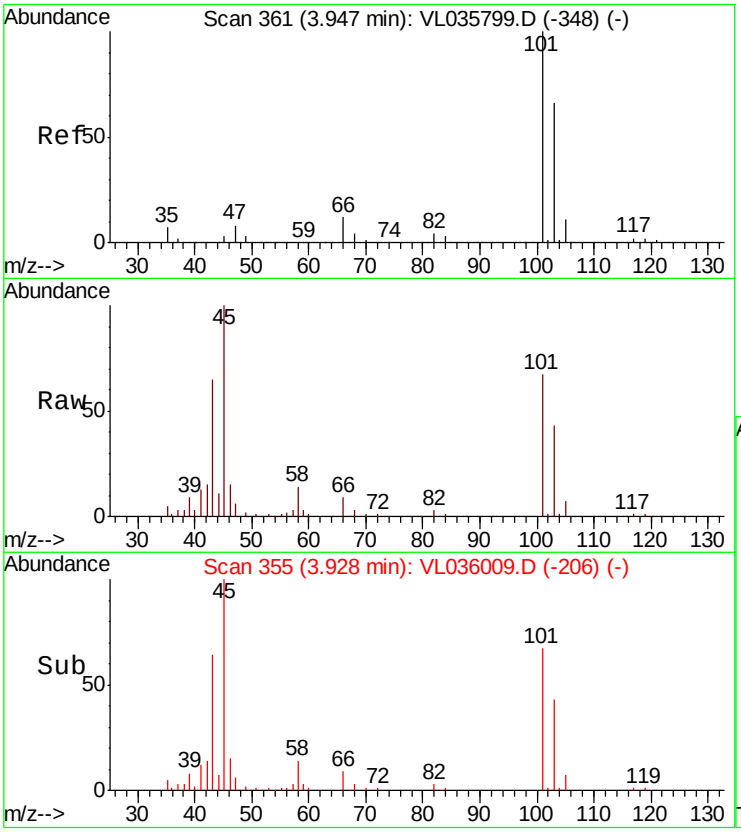


#10
Heptane
Concen: 0.049 ppbv
RT: 8.09 min Scan# 1648
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 43 Resp: 6709

Ion	Ratio	Lower	Upper
43	100		
57	153.8	50.0	75.0#



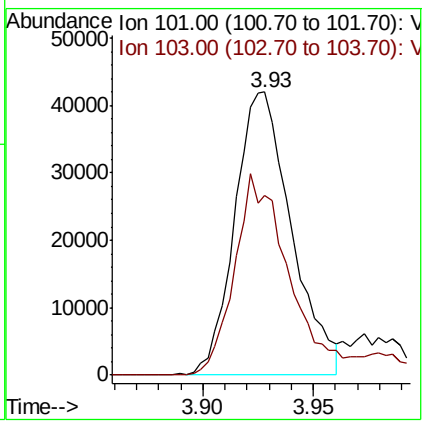


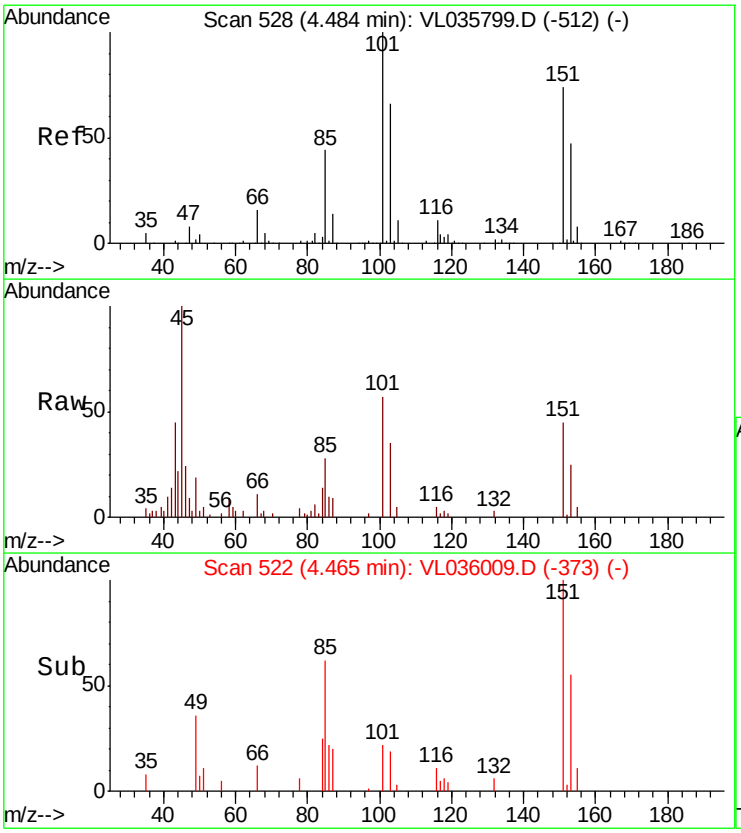
#11
Trichlorofluoromethane
Concen: 0.278 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.02 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 74913

Ion	Ratio	Lower	Upper
101	100		
103	63.5	53.0	79.4

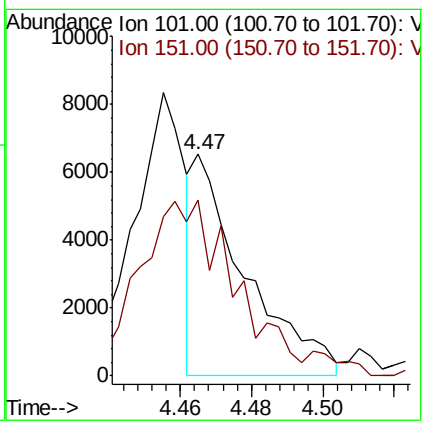


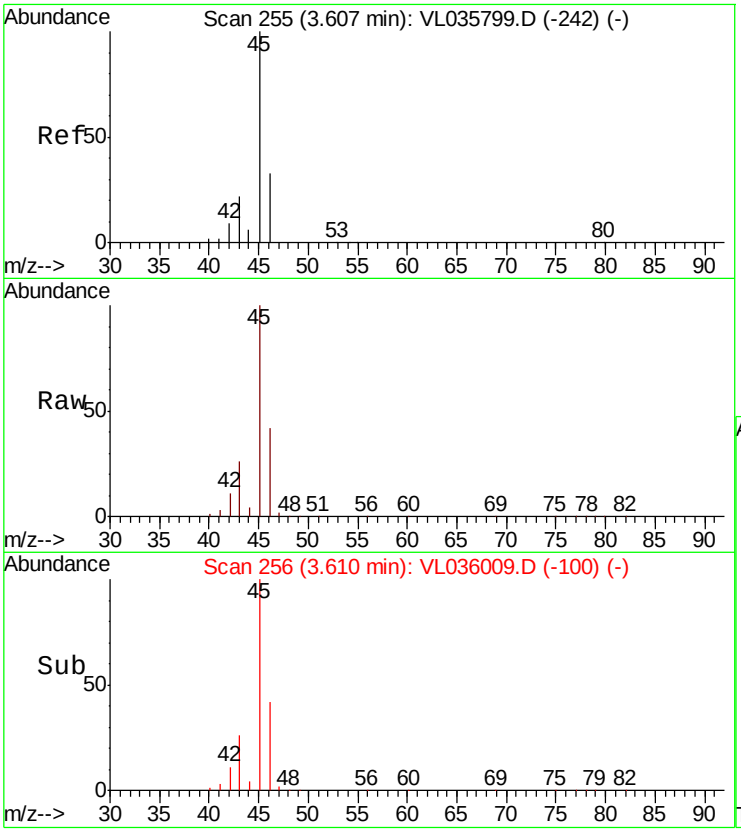


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.033 ppbv
RT: 4.47 min Scan# 522
Delta R.T. -0.02 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion:101 Resp: 6613

Ion	Ratio	Lower	Upper
101	100		
151	155.4	58.9	88.3#



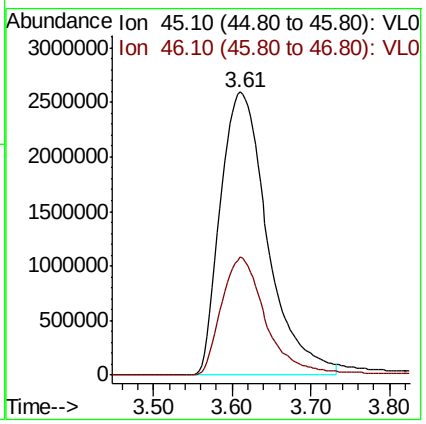


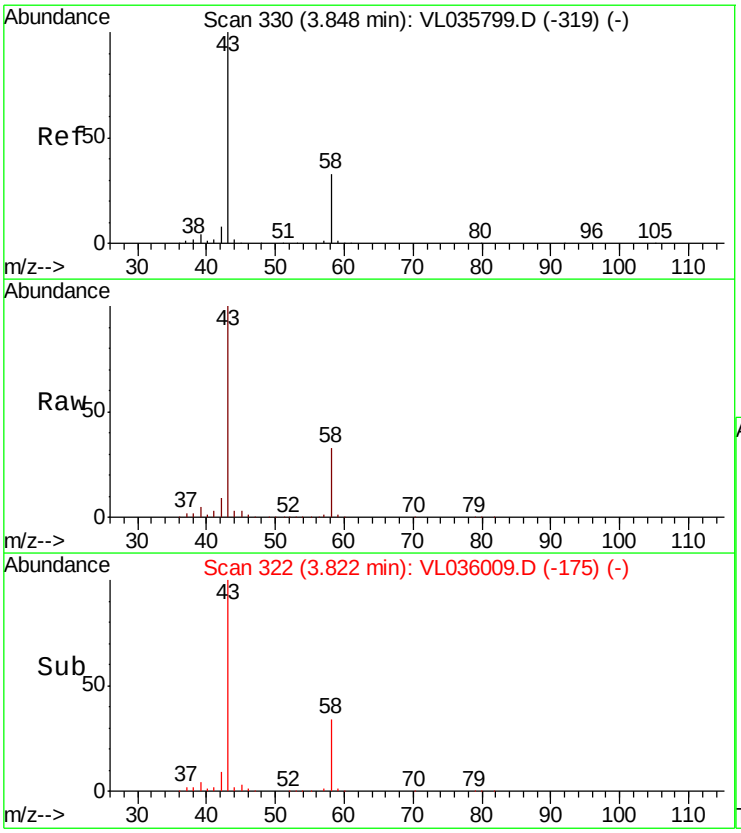
#13
Ethanol
Concen: 1002.564 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp:10850297

Ion	Ratio	Lower	Upper
45	100		
46	40.3	16.1	64.5

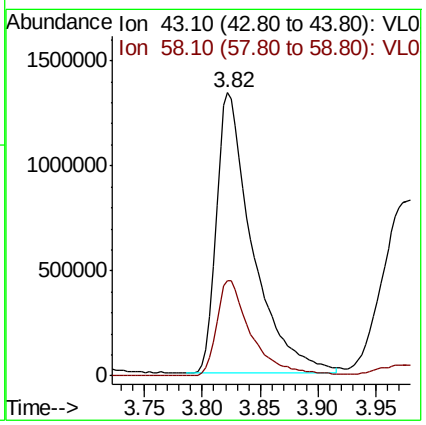


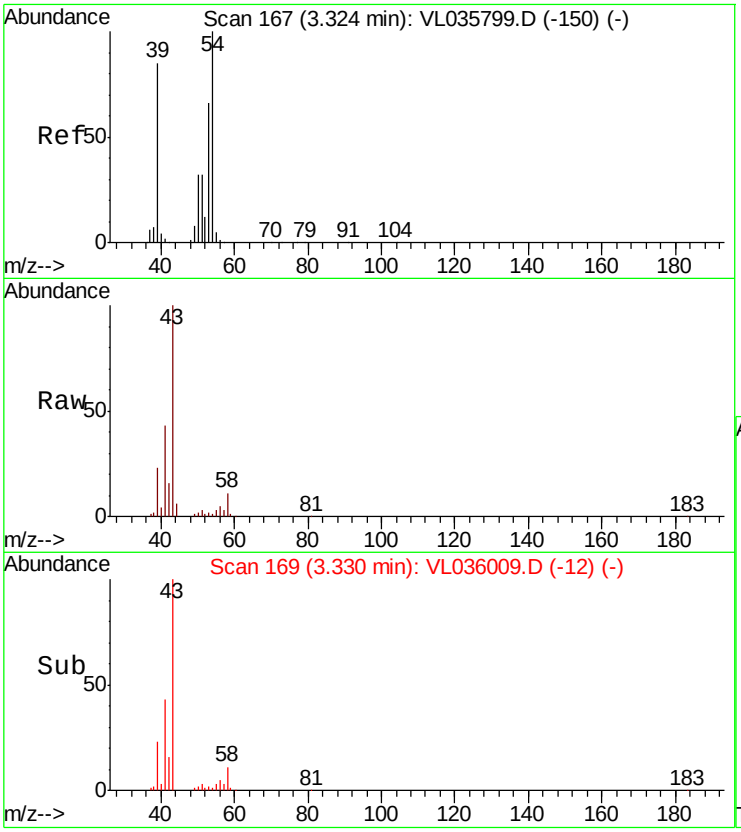


#15
Acetone
Concen: 23.935 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.03 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 43 Resp: 2912353

Ion	Ratio	Lower	Upper
43	100		
58	32.8	27.5	41.3



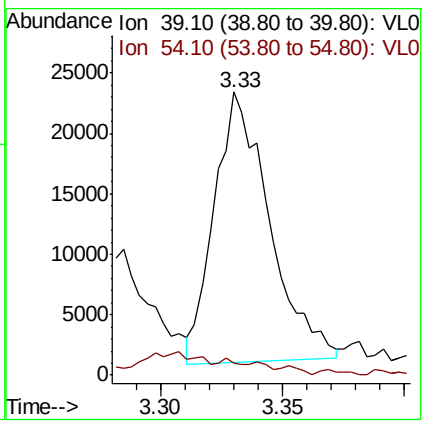


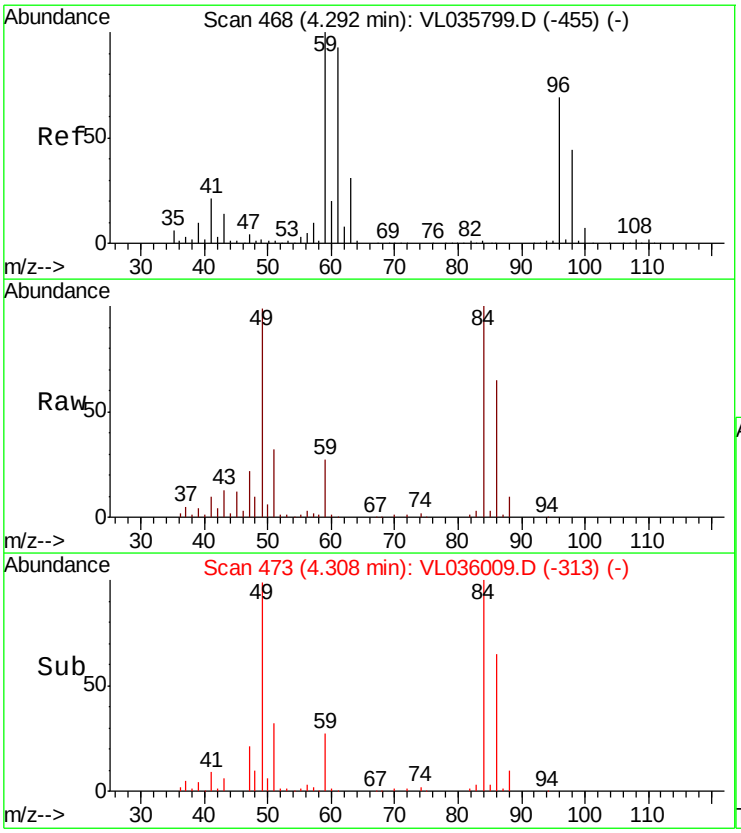
#16
1,3-Butadiene
Concen: 0.669 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 35059

Ion	Ratio	Lower	Upper
39	100		
54	16.9	87.1	130.7#

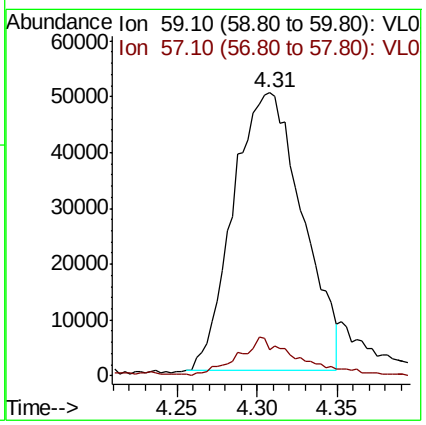


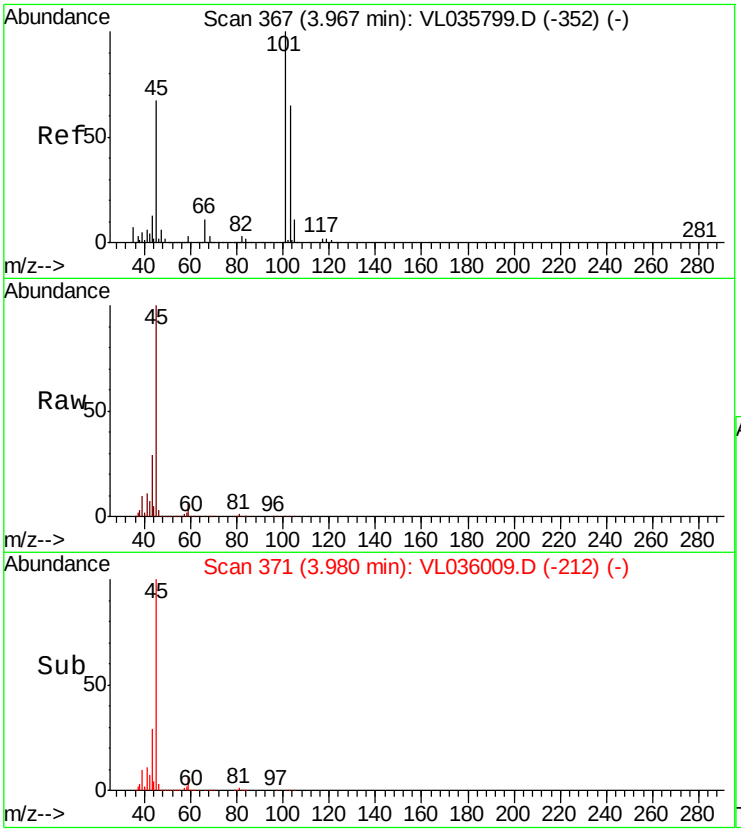


#17
tert-Butyl alcohol
Concen: 0.920 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.02 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 59 Resp: 148296

Ion	Ratio	Lower	Upper
59	100		
57	12.5	8.2	12.4#



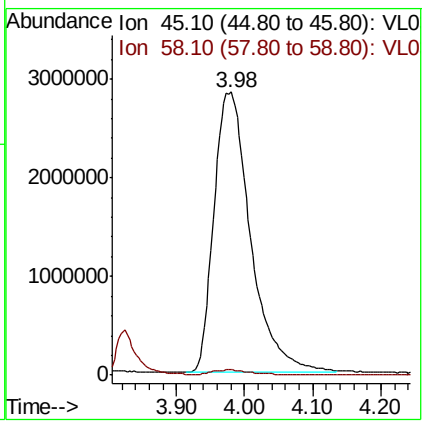


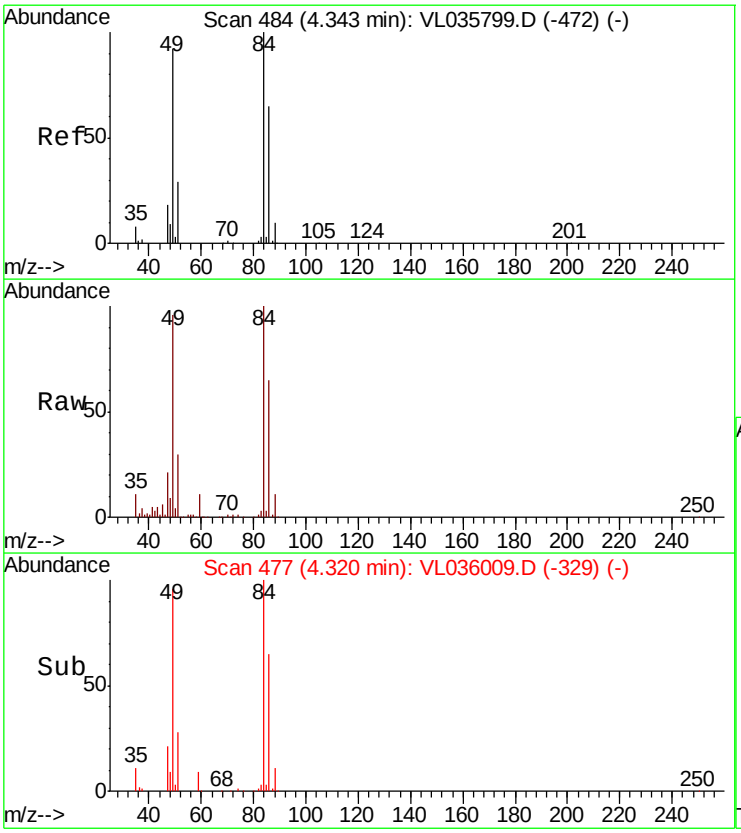
#19
Isopropyl Alcohol
Concen: 142.109 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp:10626262

Ion	Ratio	Lower	Upper
45	100		
58	1.8	2.6	3.8#

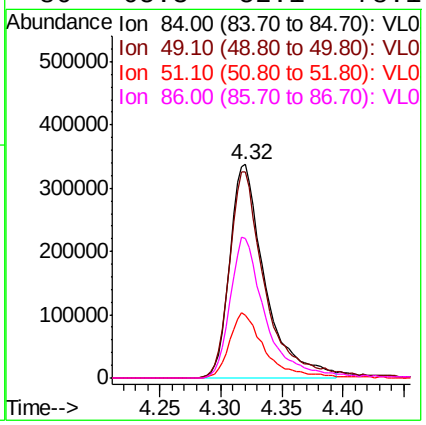


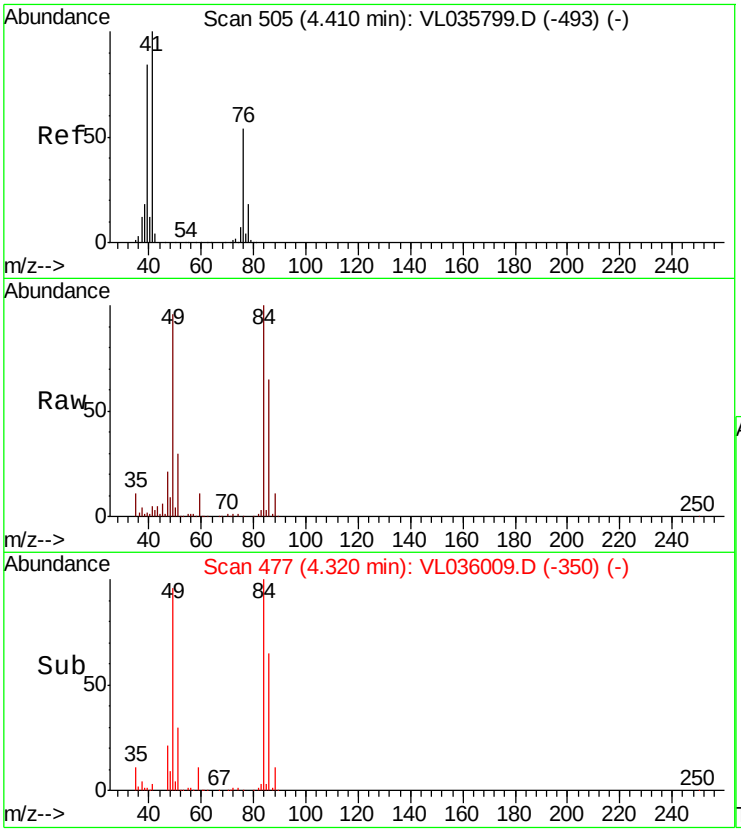


#20
Methylene Chloride
Concen: 7.913 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 84 Resp: 677849

Ion	Ratio	Lower	Upper
84	100		
49	96.2	73.8	110.8
51	29.4	23.0	34.4
86	65.3	52.1	78.1



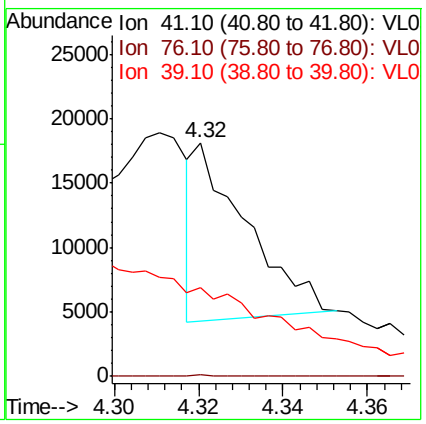


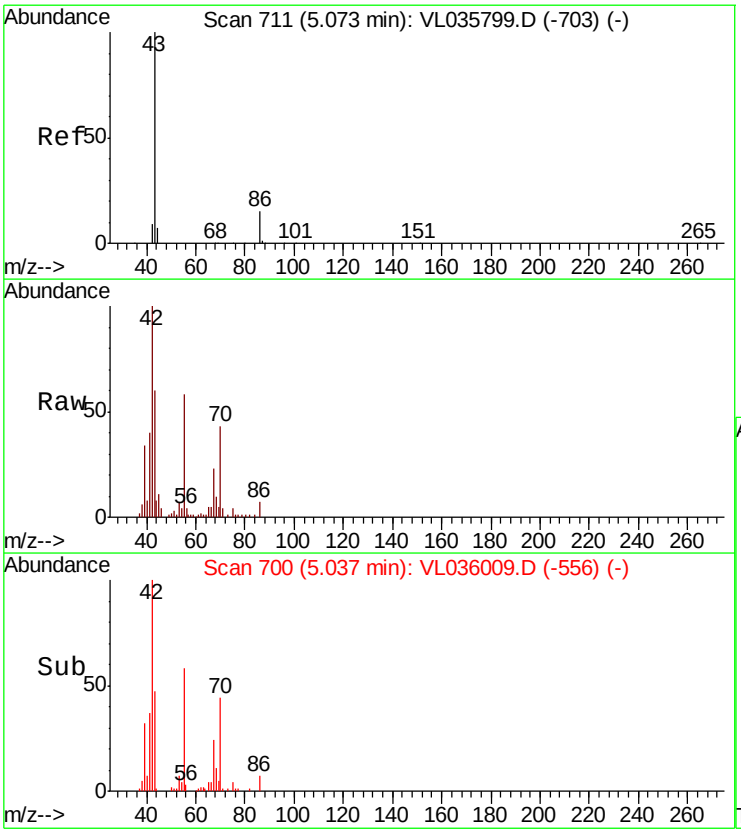
#21
Allvl Chloride
Concen: 0.179 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.09 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 11806

Ion	Ratio	Lower	Upper
41	100		
76	57.1	42.6	63.8
39	0.0	67.0	100.4#

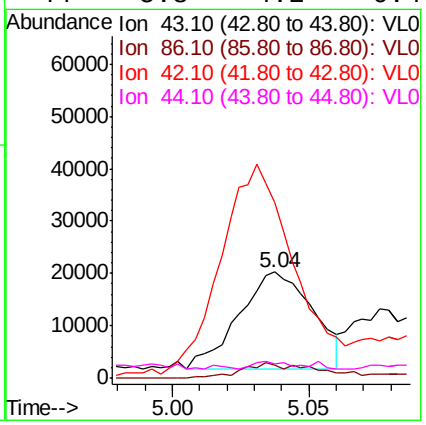


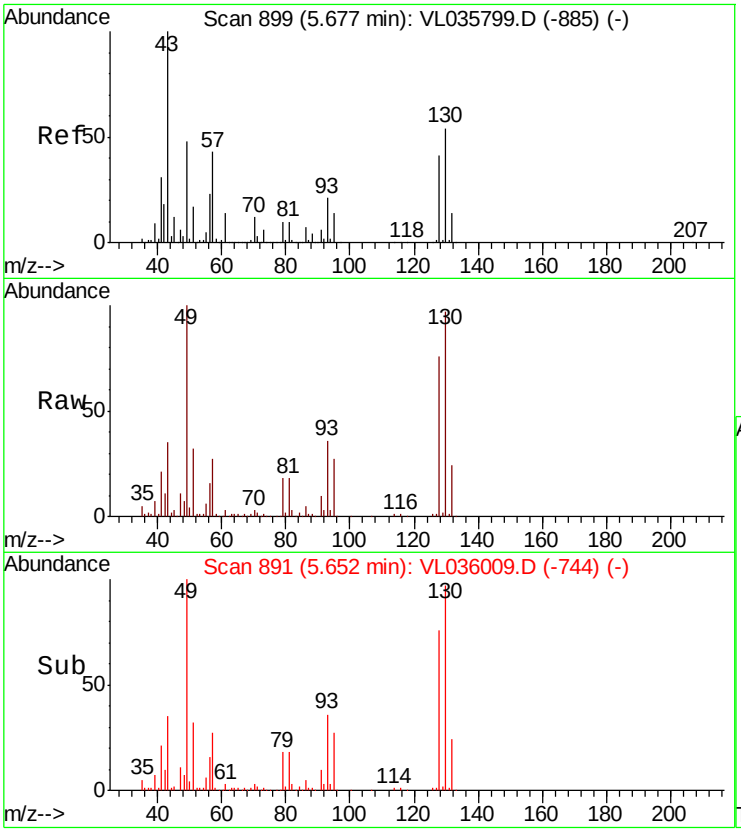


#23
Vinyl Acetate
Concen: 0.203 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 43 Resp: 34653

Ion	Ratio	Lower	Upper
43	100		
86	12.7	9.8	14.6
42	153.0	8.1	12.1#
44	5.8	4.2	6.4



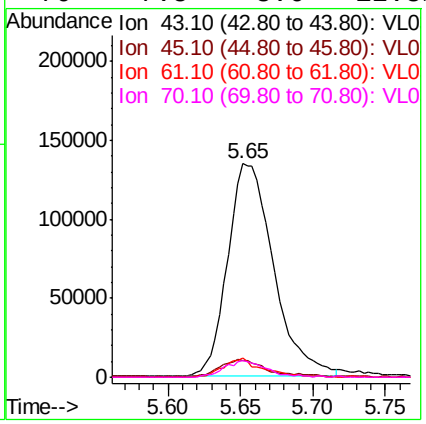


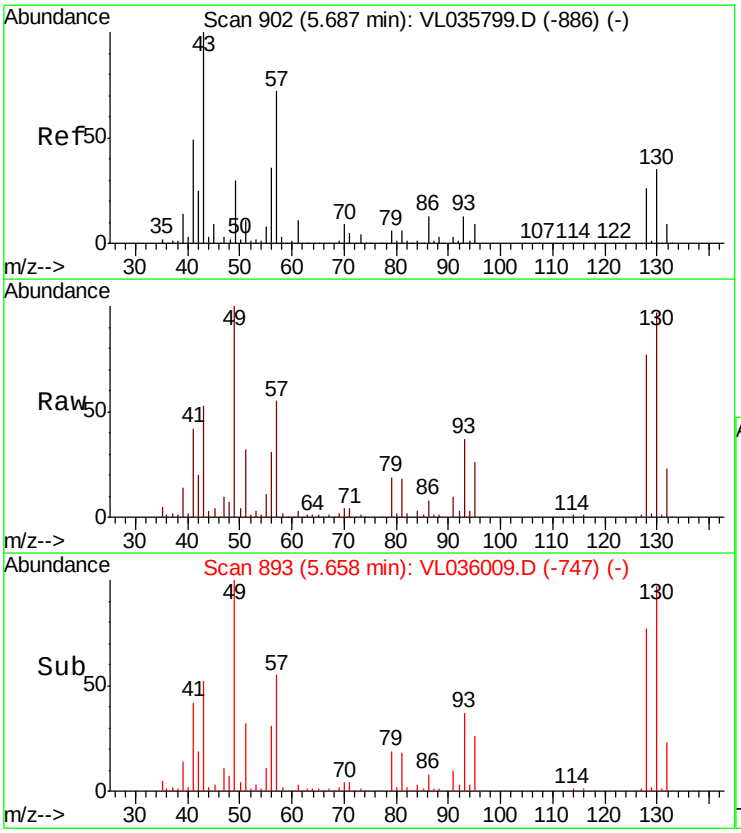
#25
Ethyl Acetate
Concen: 1.241 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 297570

Ion	Ratio	Lower	Upper
43	100		
45	8.3	8.5	12.7#
61	7.9	10.7	16.1#
70	7.5	8.6	12.8#

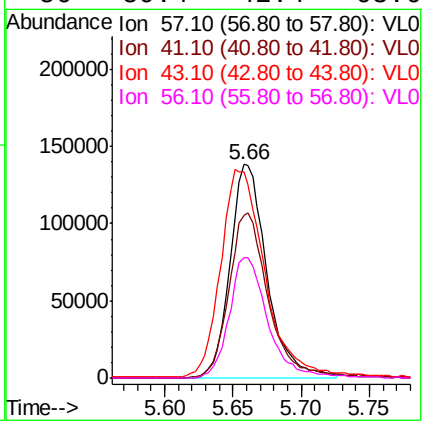


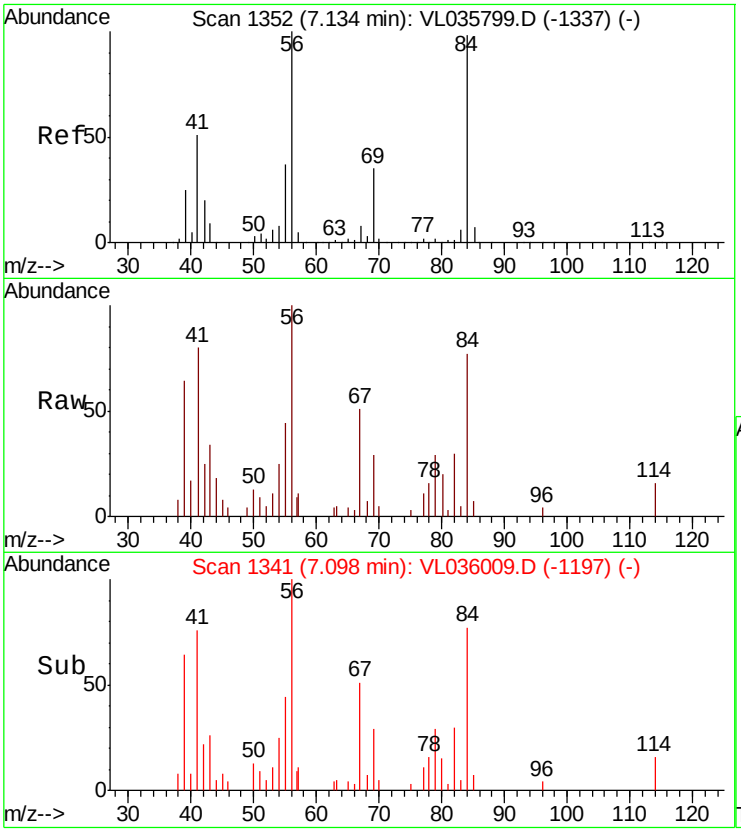


#26
Hexane
Concen: 1.966 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 57 Resp: 259840

Ion	Ratio	Lower	Upper
57	100		
41	83.3	58.9	88.3
43	117.8	150.2	225.2#
56	59.4	42.4	63.6



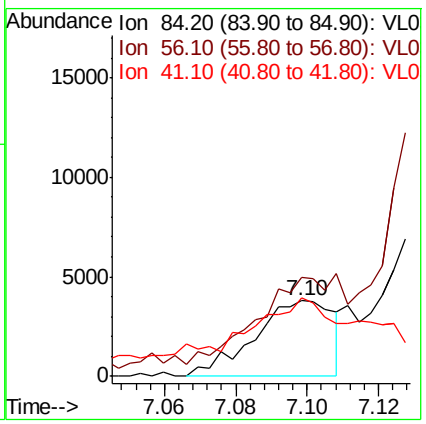


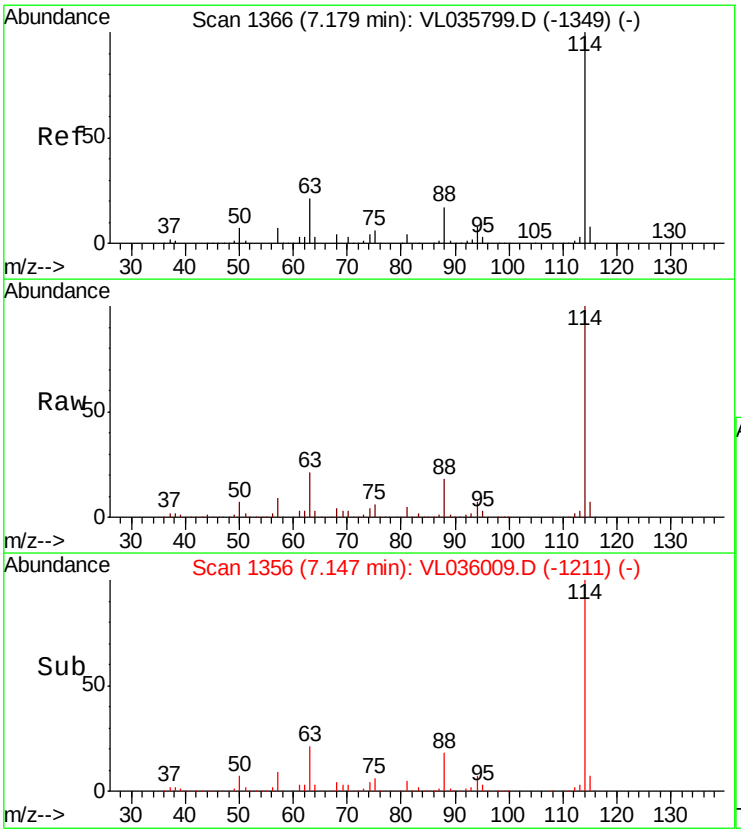
#30
Cyclohexane
Concen: 0.040 ppbv
RT: 7.10 min Scan# 1341
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 5825

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	141.7	42.1	63.1#

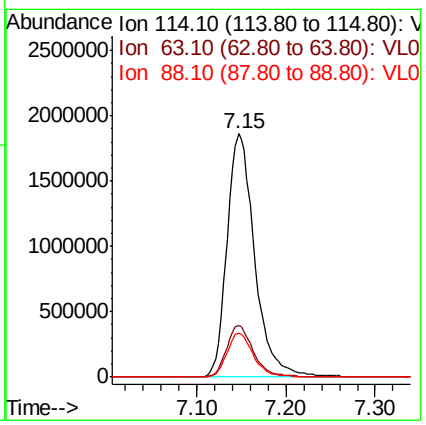


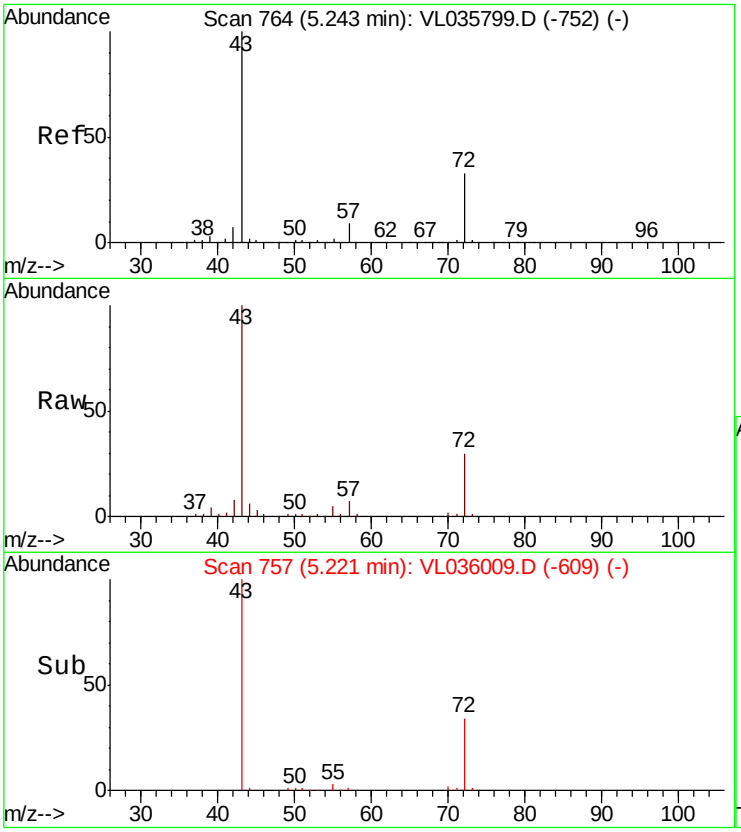


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion:114 Resp: 4003100

Ion	Ratio	Lower	Upper
114	100		
63	21.0	16.1	24.1
88	17.4	13.7	20.5

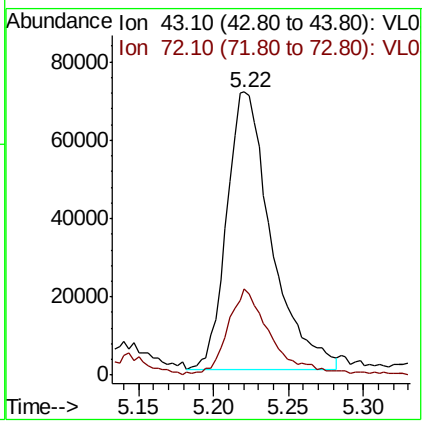




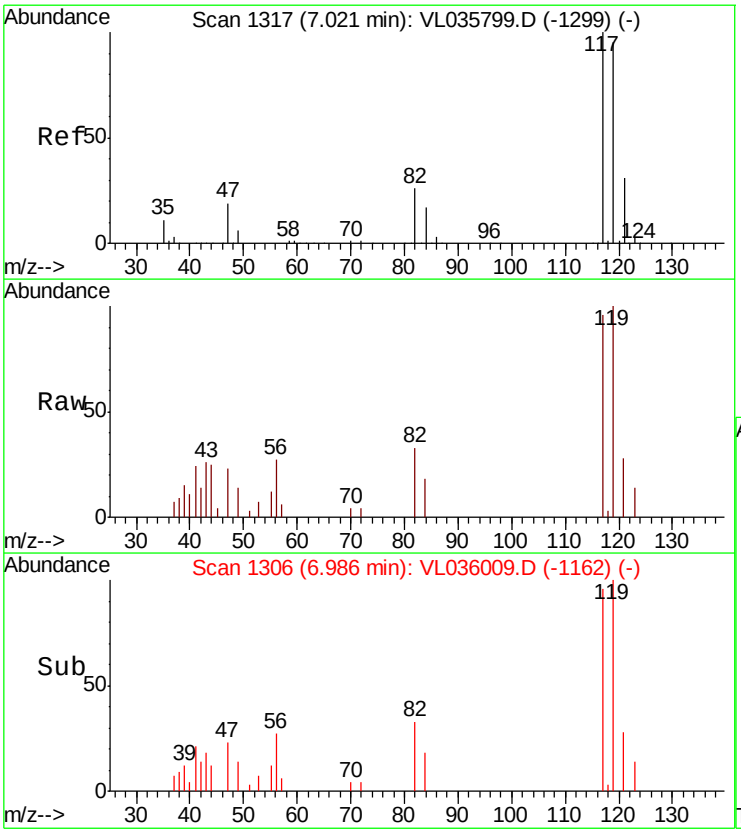
#34
2-Butanone
Concen: 1.138 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.02 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 43 Resp: 147836

Ion	Ratio	Lower	Upper
43	100		
72	30.7	26.5	39.7



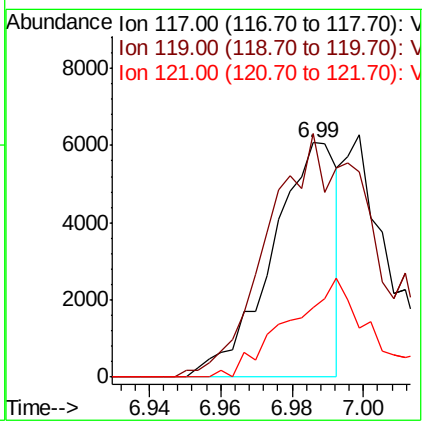
Instrument :
MSVOA_L
ClientSampleId :

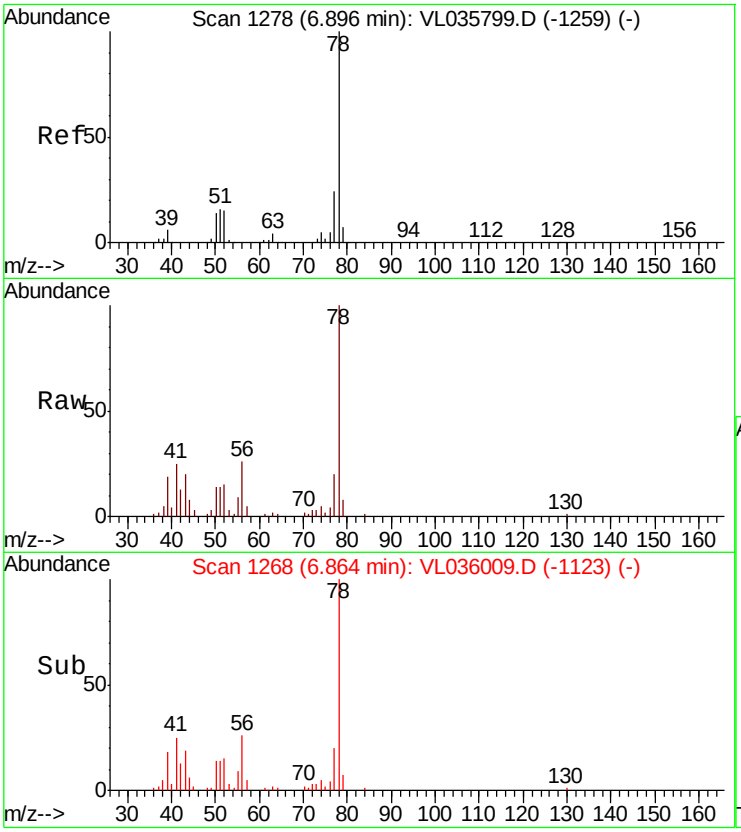


#35
Carbon Tetrachloride
Concen: 0.036 ppbv
RT: 6.99 min Scan# 1306
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion:117 Resp: 7654

Ion	Ratio	Lower	Upper
117	100		
119	101.1	75.6	113.4
121	29.5	25.1	37.7



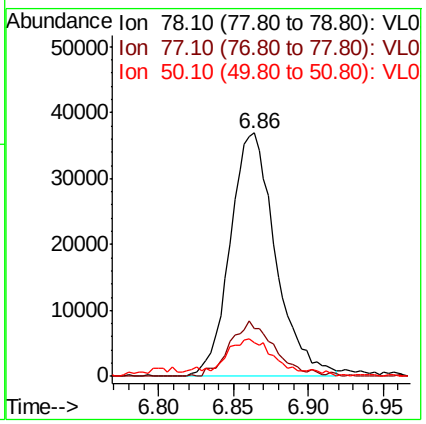


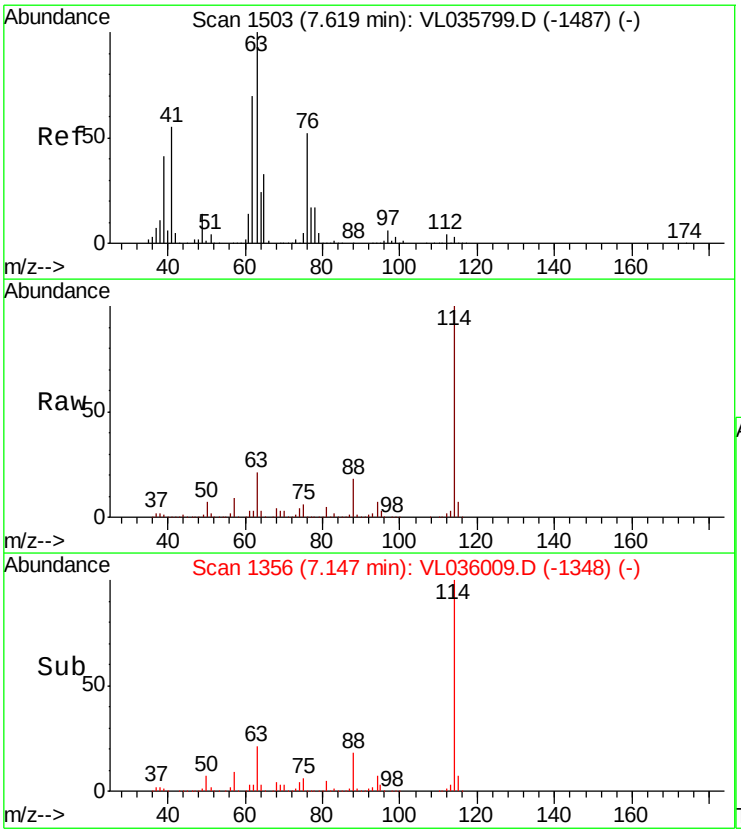
#36
Benzene
Concen: 0.262 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.03 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 78064

Ion	Ratio	Lower	Upper
78	100		
77	19.5	19.3	28.9
50	13.9	11.4	17.2

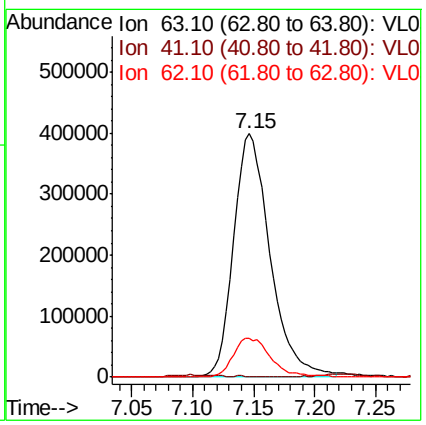


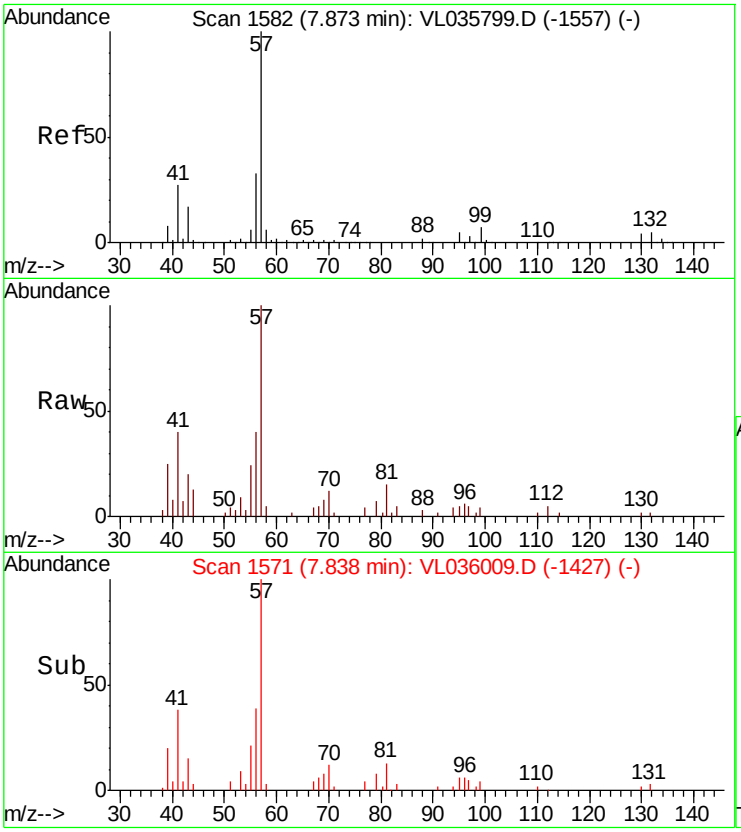


#39
1,2-Dichloropropane
Concen: 8.262 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.47 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 63 Resp: 827788

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	15.8	56.2	84.2#



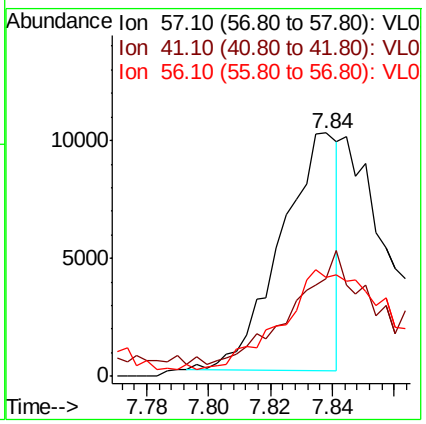


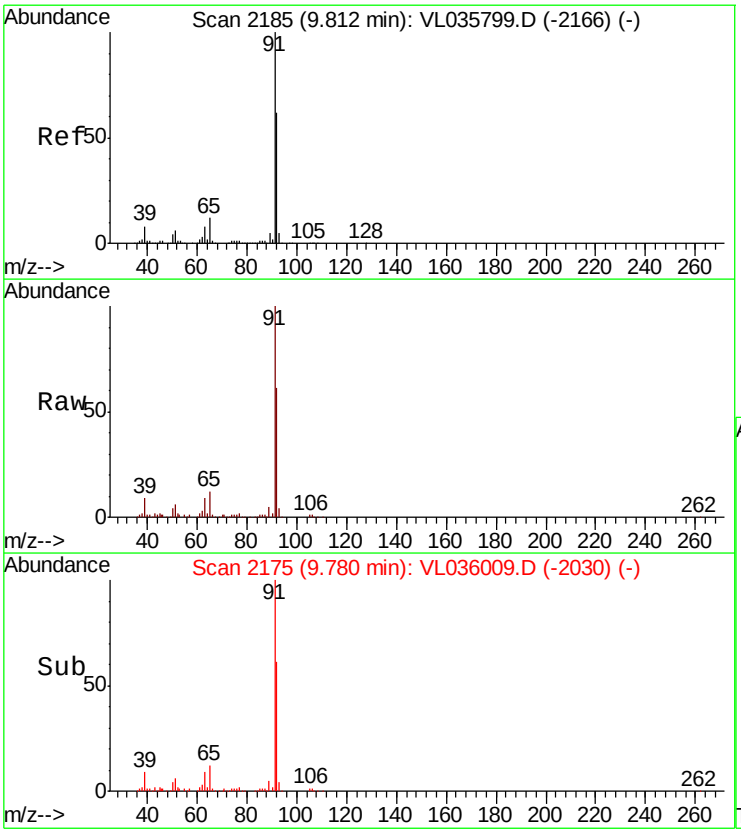
#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 12848

Ion	Ratio	Lower	Upper
57	100		
41	101.1	21.0	31.4#
56	99.3	25.4	38.0#

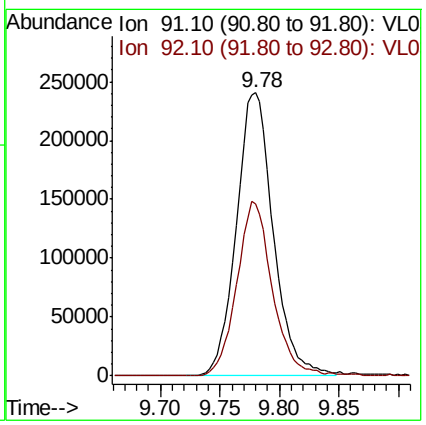


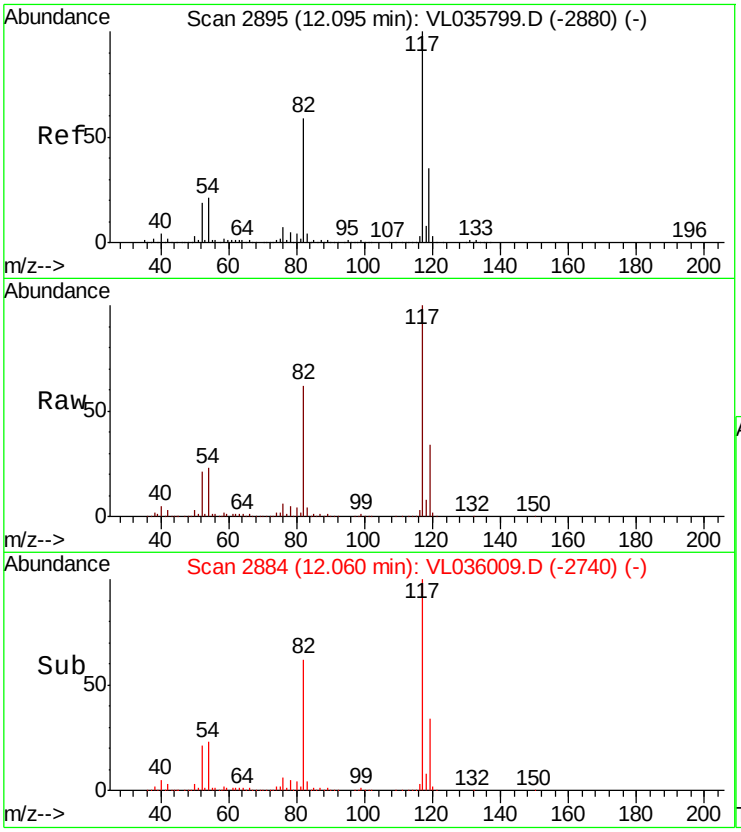


#53
Toluene
Concen: 1.439 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.03 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 91 Resp: 516864

Ion	Ratio	Lower	Upper
91	100		
92	60.0	49.8	74.6



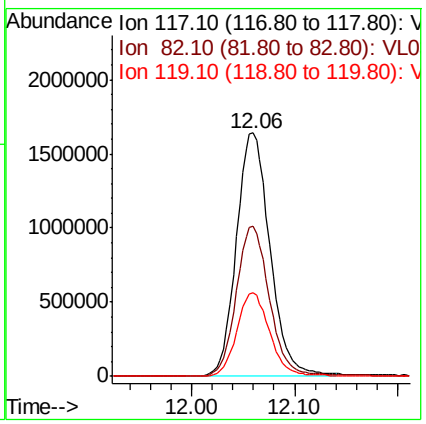


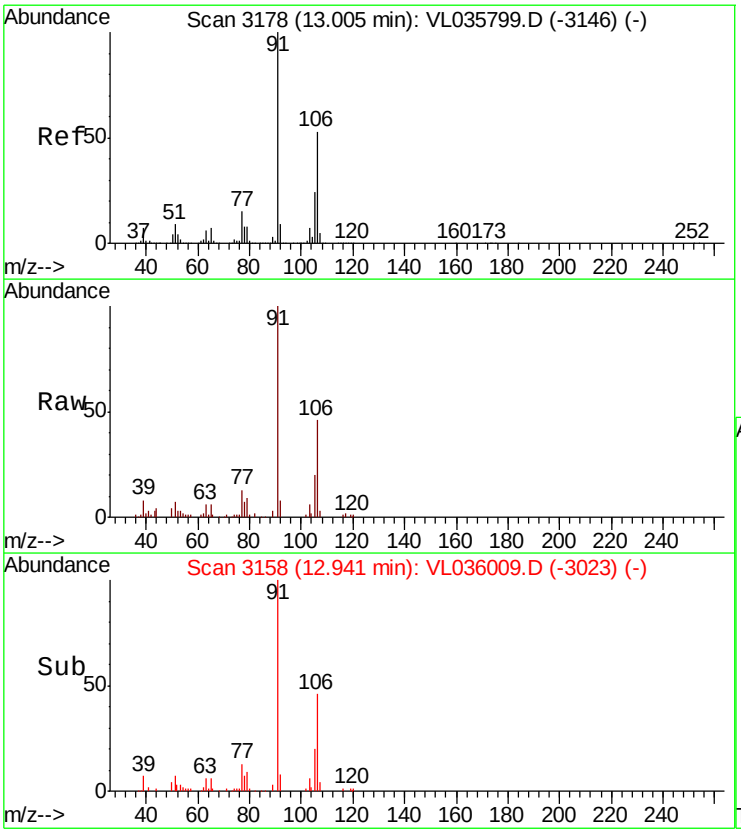
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3732603

Ion	Ratio	Lower	Upper
117	100		
82	61.8	50.6	76.0
119	34.1	52.6	78.8#

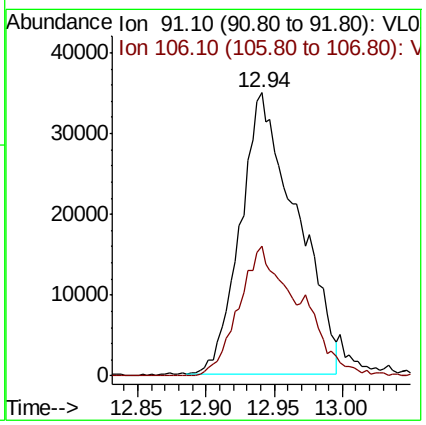


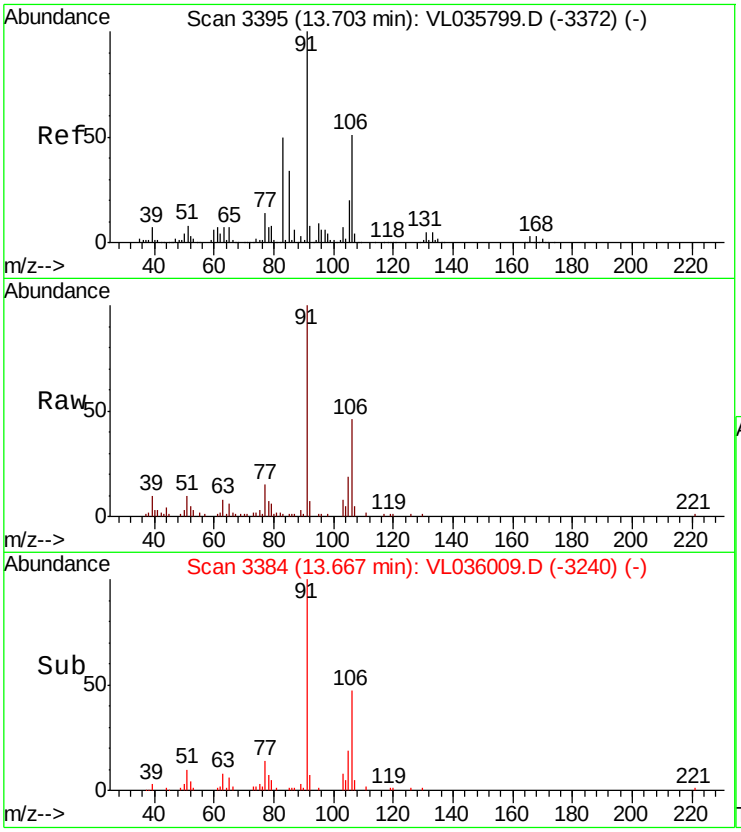


#59
m/p-Xylene
Concen: 0.261 ppbv
RT: 12.94 min Scan# 3158
Delta R.T. -0.06 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion: 91 Resp: 100367

Ion	Ratio	Lower	Upper
91	100		
106	49.3	39.5	59.3



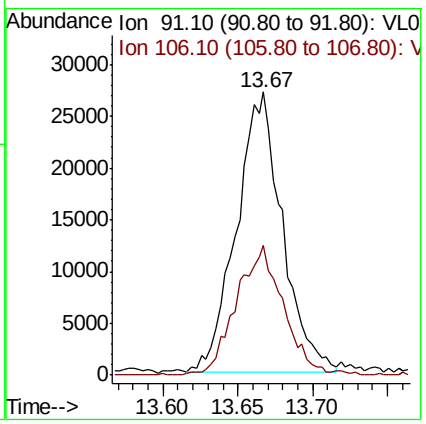


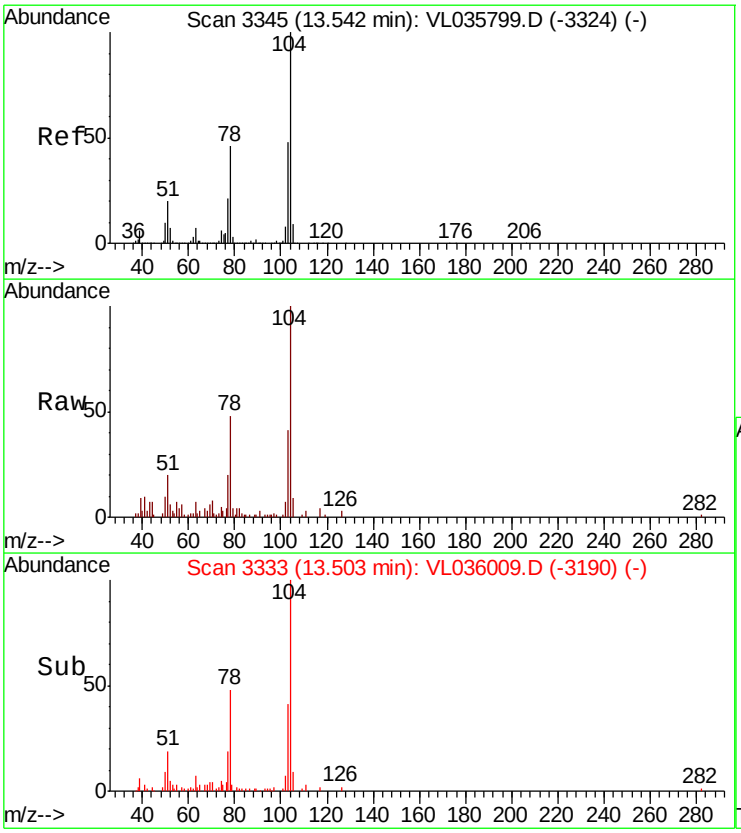
#60
o-Xylene
Concen: 0.154 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 57700

Ion	Ratio	Lower	Upper
91	100		
106	47.8	24.8	74.4

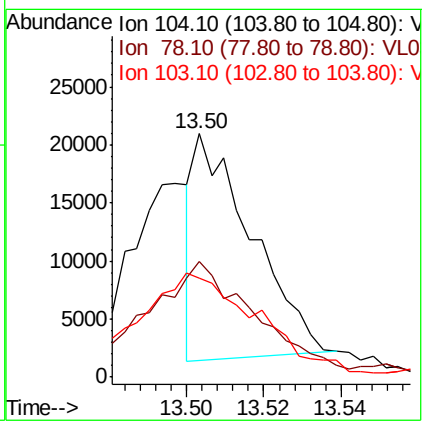


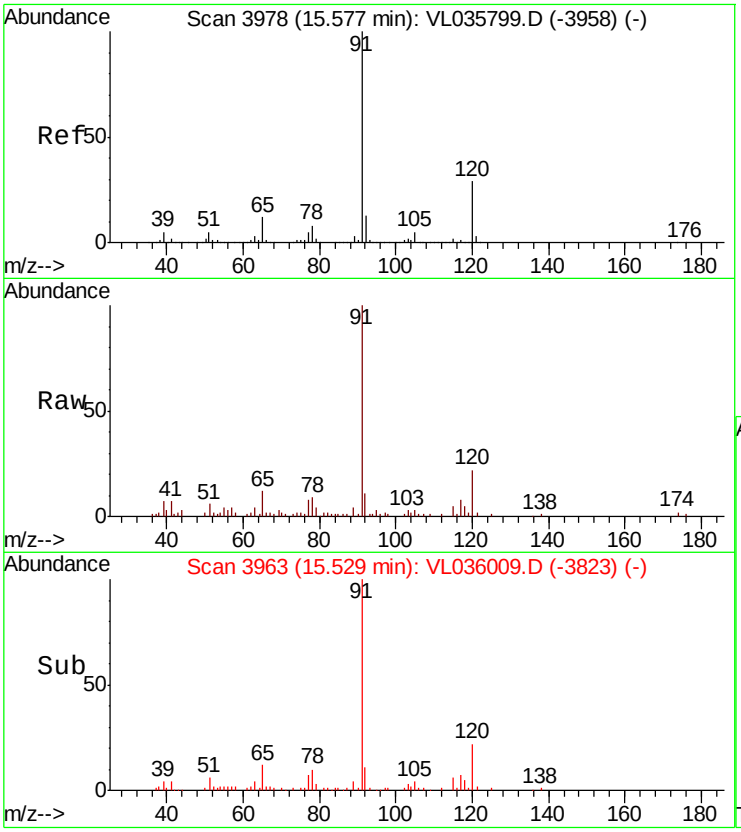


#61
Styrene
Concen: 0.073 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion:104 Resp: 19878

Ion	Ratio	Lower	Upper
104	100		
78	109.8	37.1	55.7#
103	105.9	37.9	56.9#



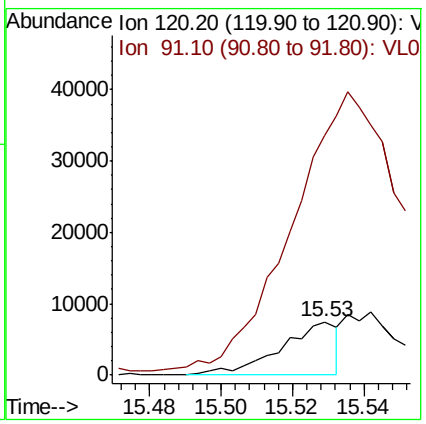


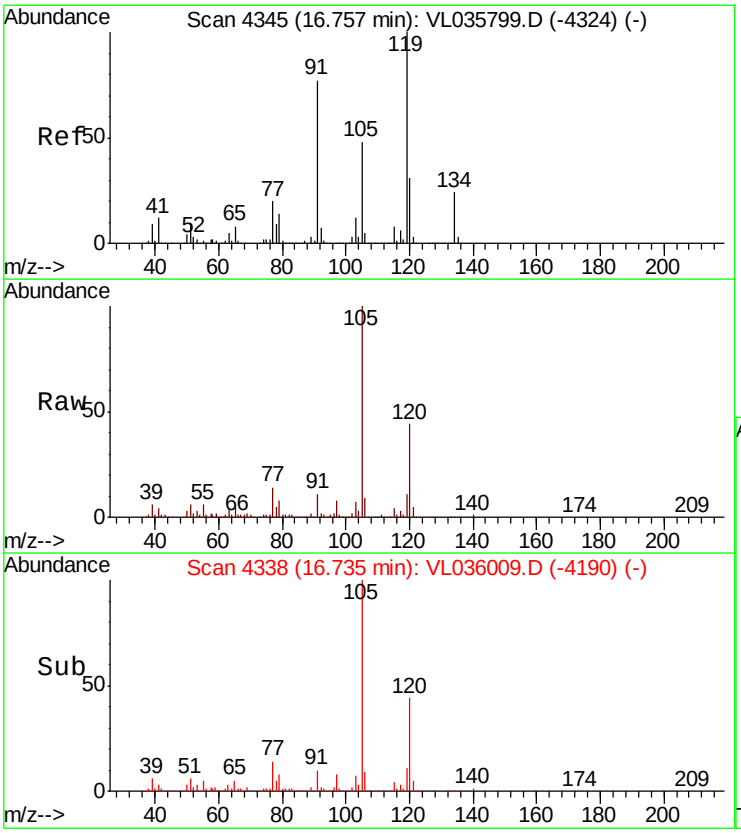
#64
n-propylbenzene
Concen: 0.049 ppbv
RT: 15.53 min Scan# 3963
Delta R.T. -0.05 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 8290

Ion	Ratio	Lower	Upper
120	100		
91	0.0	311.1	466.7#

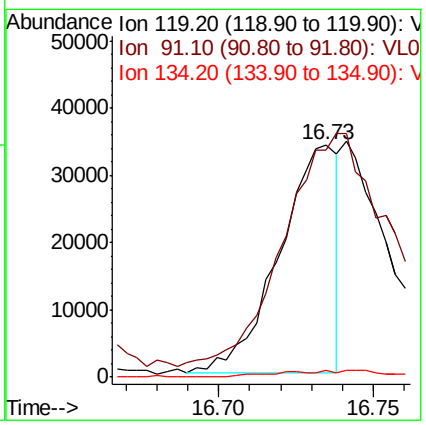


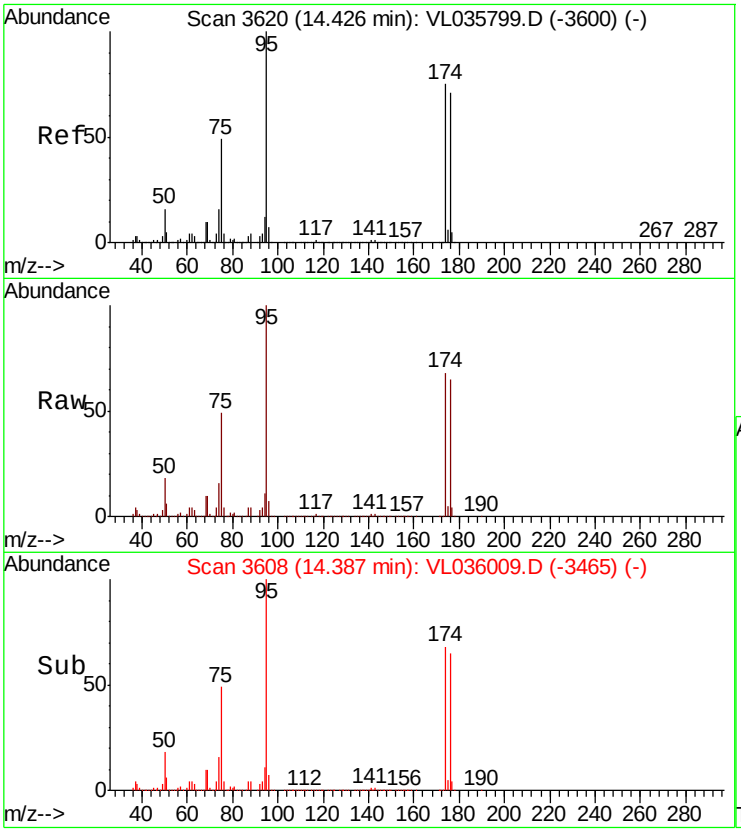


#65
tert-Butylbenzene
Concen: 0.083 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. -0.02 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion:119 Resp: 44201

Ion	Ratio	Lower	Upper
119	100		
91	0.0	62.0	93.0#
134	0.0	17.8	26.8#



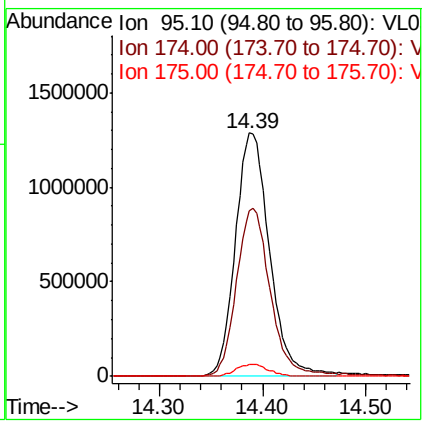


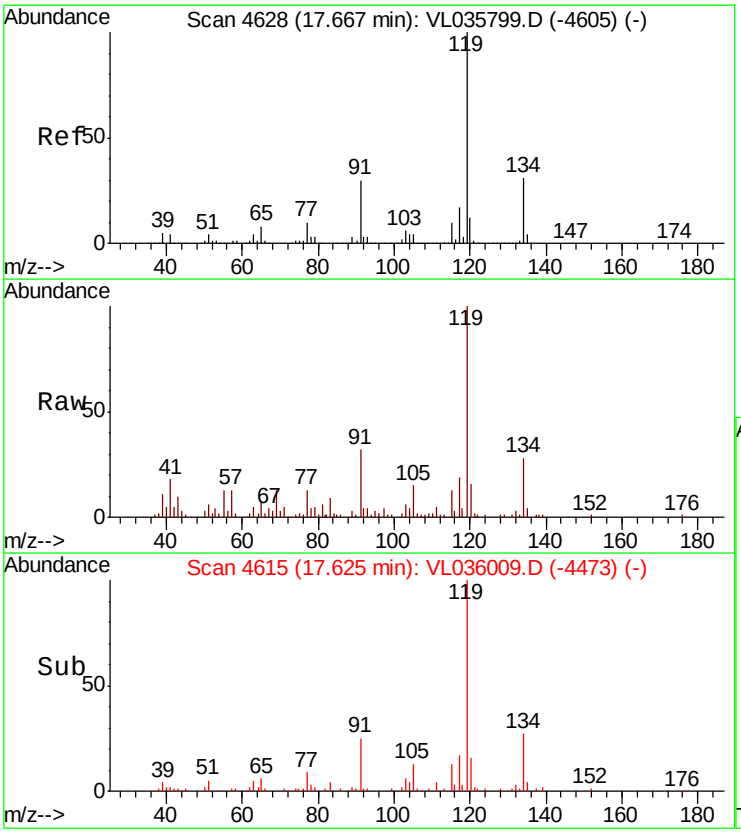
#68
1-Bromo-4-Fluorobenzene
Concen: 11.211 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2972963

Ion	Ratio	Lower	Upper
95	100		
174	69.6	59.8	89.6
175	4.8	4.3	6.5

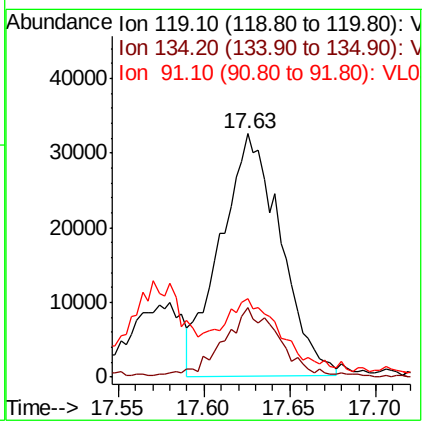


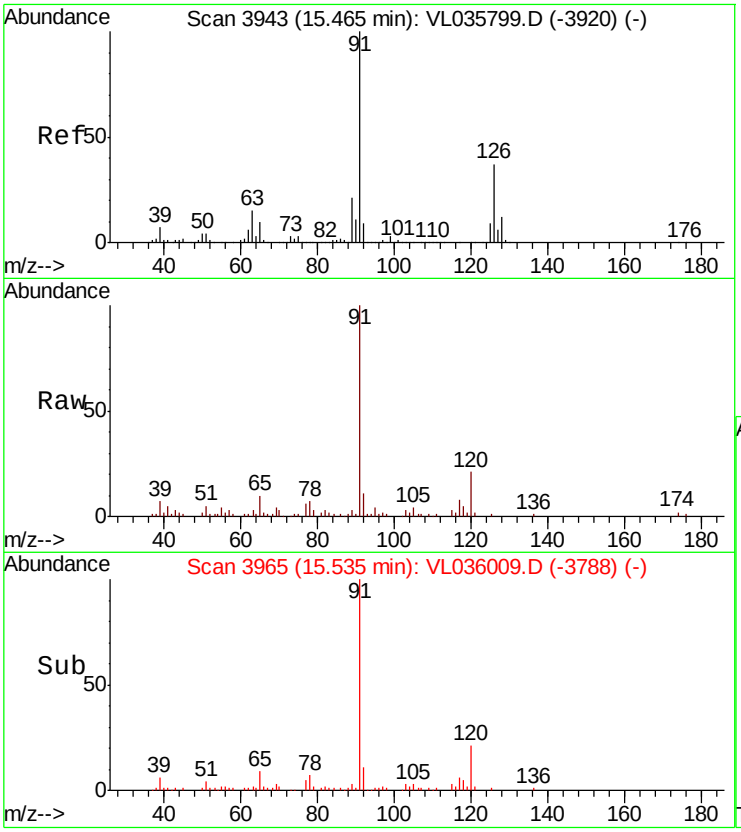


#69
p-Isopropyltoluene
Concen: 0.133 ppbv
RT: 17.63 min Scan# 4615
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion:119 Resp: 79018

Ion	Ratio	Lower	Upper
119	100		
134	27.4	23.0	34.6
91	30.4	22.8	34.2



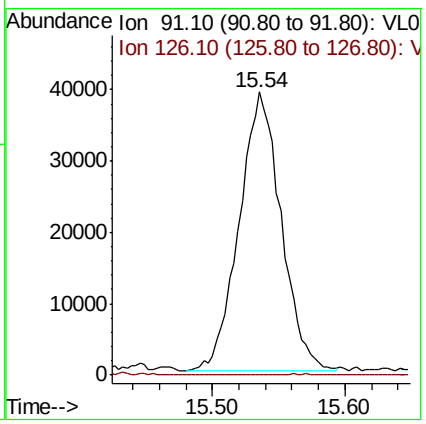


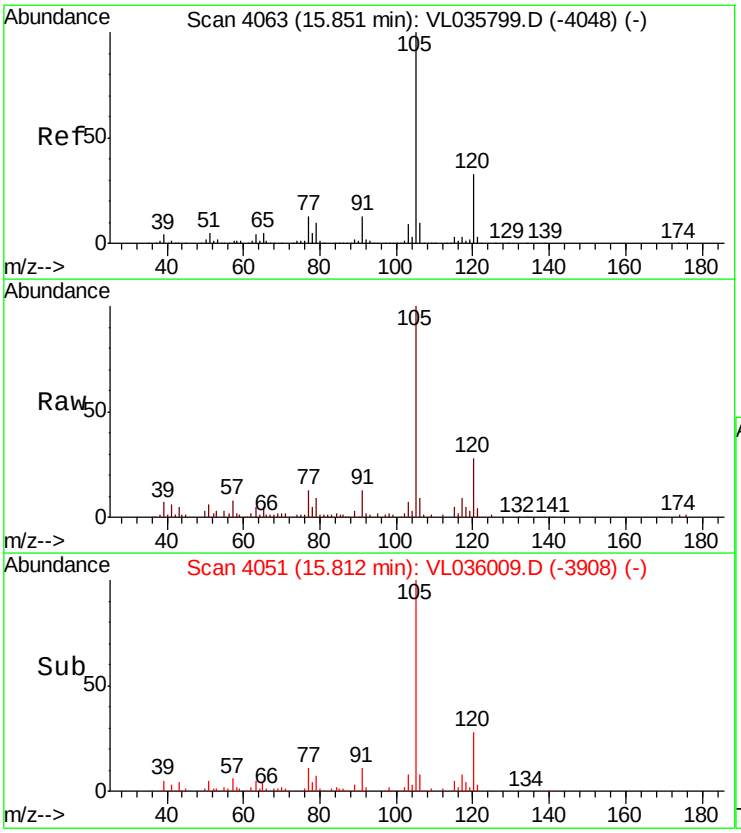
#71
2-Chlorotoluene
Concen: 0.201 ppbv
RT: 15.54 min Scan# 3965
Delta R.T. 0.07 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 86486

Ion	Ratio	Lower	Upper
91	100		
126	0.6	14.3	57.1#

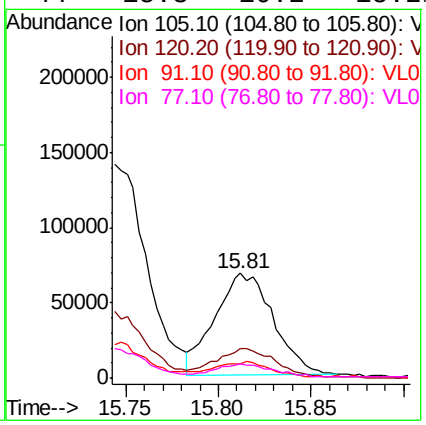


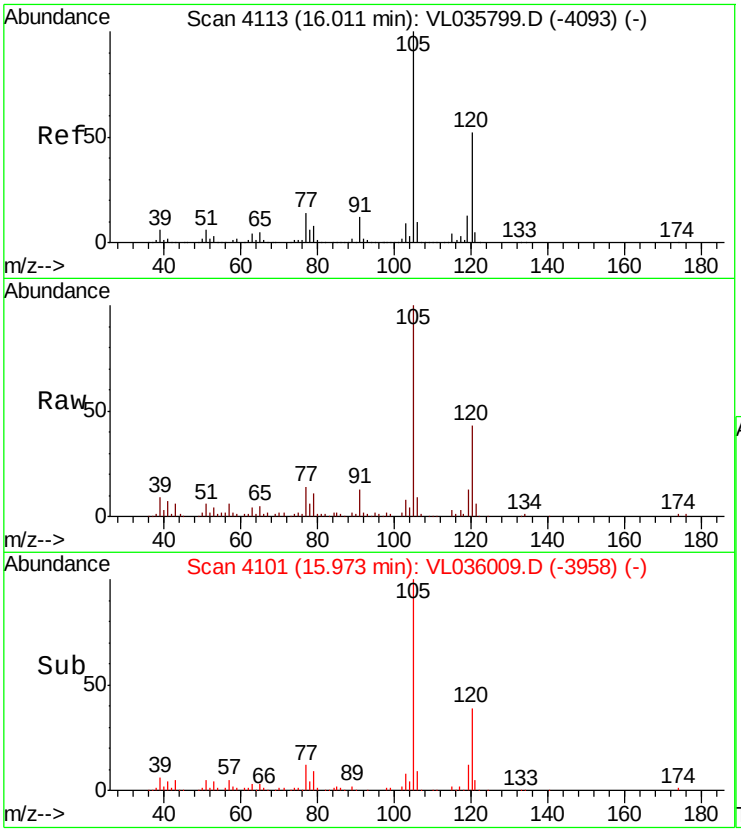


#72
4-Ethyltoluene
Concen: 0.328 ppbv
RT: 15.81 min Scan# 4051
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion:105 Resp: 148748

Ion	Ratio	Lower	Upper
105	100		
120	31.8	25.9	38.9
91	16.8	9.9	14.9#
77	15.3	10.2	15.2#



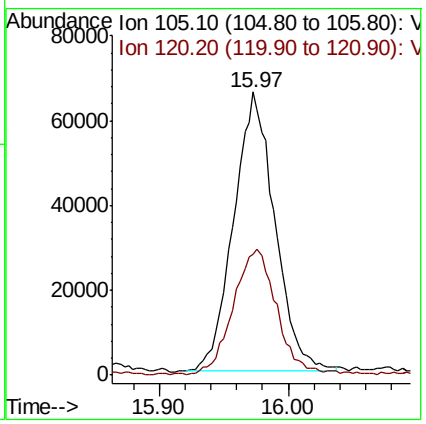


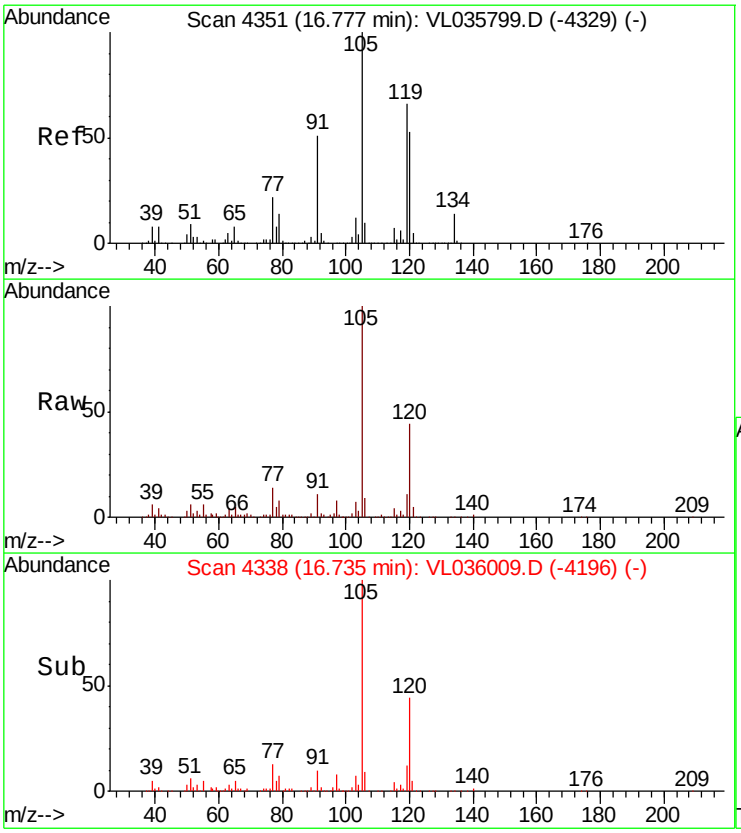
#73
1,3,5-Trimethylbenzene
Concen: 0.352 ppbv
RT: 15.97 min Scan# 4101
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 146283

Ion	Ratio	Lower	Upper
105	100		
120	43.5	41.4	62.2

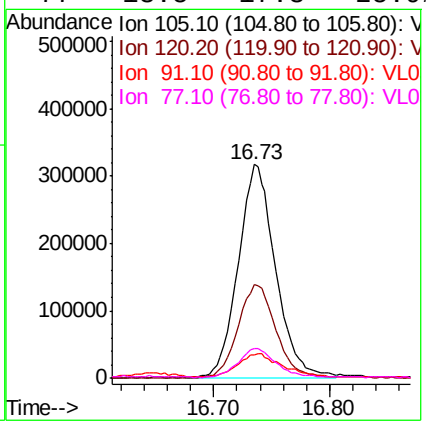


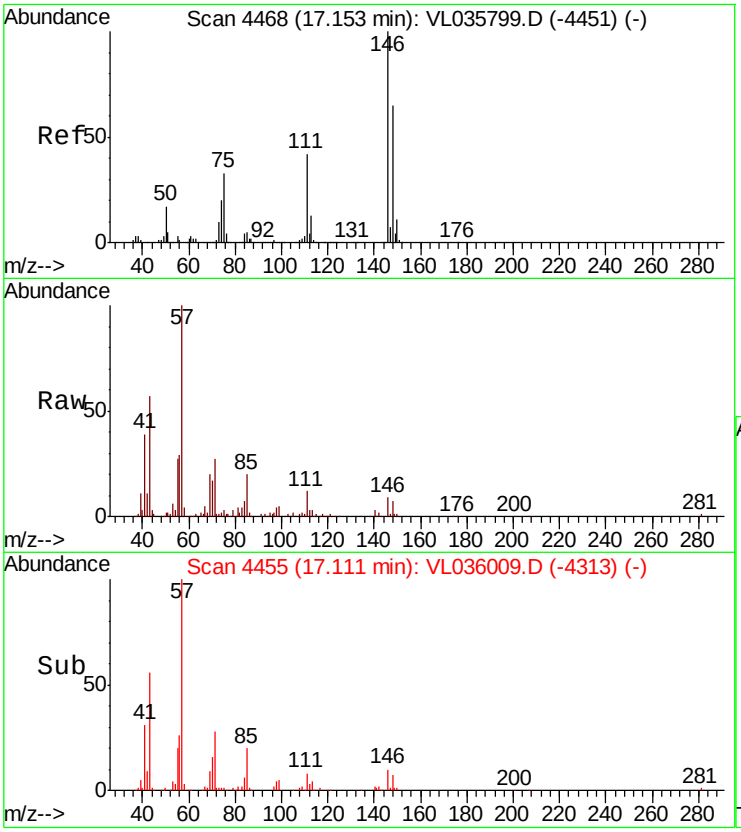


#74
1,2,4-Trimethylbenzene
Concen: 1.590 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Tgt Ion:105 Resp: 707301

Ion	Ratio	Lower	Upper
105	100		
120	43.5	42.0	63.0
91	10.2	41.0	61.6#
77	13.5	17.3	25.9#





#76
1,4-Dichlorobenzene
Concen: 0.057 ppbv
RT: 17.11 min Scan# 4455
Delta R.T. -0.04 min
Lab File: VL036009.D
Acq: 25 Nov 2020 00:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 15594

Ion	Ratio	Lower	Upper
146	100		
111	150.3	21.3	63.7#
148	65.6	33.0	99.0