Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122320\
Data File : VL036196.D
Acq On : 23 Dec 2020 17:33
Operator : SY/AP
Sample : L5196-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG2

Quant Time: Dec 24 05:25:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1160481	10.00	ppbv		-0.04
33) 1,4-Difluorobenzene	7.15	114	2243689	10.00	ppbv		-0.05
55) Chlorobenzene-d5	12.06	117	2069047	10.00	ppbv		-0.05
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1922201	11.70	ppbv		-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 117.00%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.96	51	107284	0.810	ppbv	#	79
4) Chloromethane	3.12	50	34846	0.536	ppbv		92
9) Propene	3.18	41	130608	1.969	ppbv		95
10) Heptane	8.10	43	72977	0.431	ppbv		94
11) Trichlorofluoromethane	3.93	101	49188	0.309	ppbv	#	80
13) Ethanol	3.60	45	751174	82.153	ppbv		84
15) Acetone	3.83	43	978784	7.018	ppbv	#	90
16) 1,3-Butadiene	3.29	39	257694	3.668	ppbv	#	19
17) tert-Butyl alcohol	4.29	59	155274	1.149	ppbv	#	93
19) Isopropyl Alcohol	3.97	45	766557	8.992	ppbv	#	100
20) Methylene Chloride	4.32	84	696287	12.183	ppbv		94
21) Allyl Chloride	4.38	41	3806	0.041	ppbv	#	19
23) Vinyl Acetate	5.03	43	98933	0.533	ppbv	#	1
25) Ethyl Acetate	5.66	43	1391729	4.995	ppbv	#	78
26) Hexane	5.66	57	1863198	14.858	ppbv	#	38
28) Methyl tert-Butyl Ether	5.02	73	13095	0.073	ppbv	#	79
30) Cyclohexane	7.10	84	12843	0.139	ppbv	#	1
34) 2-Butanone	5.22	43	128033	0.860	ppbv		98
36) Benzene	6.87	78	141659	0.745	ppbv	#	89
39) 1,2-Dichloropropane	7.15	63	725976	9.668	ppbv	#	24
41) Tetrahydrofuran	6.03	42	12742	0.144	ppbv	#	54
44) 2,2,4-Trimethylpentane	7.85	57	319304	0.927	ppbv	#	22
53) Toluene	9.78	91	888260	4.160	ppbv		98
58) Ethyl Benzene	12.69	91	232349	0.819	ppbv		93
59) m/p-Xylene	12.98	91	143702	0.602	ppbv	#	34
60) o-Xylene	13.67	91	316146	1.405	ppbv		94
61) Styrene	13.50	104	111271	0.770	ppbv	#	87
62) Isopropylbenzene	14.64	105	2364313	7.089	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.65	83	5205	0.034	ppbv	#	25
64) n-propylbenzene	15.54	120	3841	0.048	ppbv	#	1
65) tert-Butylbenzene	16.73	119	8200	0.030	ppbv	#	21
72) 4-Ethyltoluene	15.82	105	40314	0.165	ppbv	#	45
73) 1,3,5-Trimethylbenzene	15.98	105	70995	0.305	ppbv		91
74) 1,2,4-Trimethylbenzene	16.74	105	282499	1.209	ppbv	#	66
79) Naphthalene	22.15	128	3928	0.033	ppbv	#	81
80) Naphthalene,2-methyl-	24.96	142	3929	0.148	ppbv		90

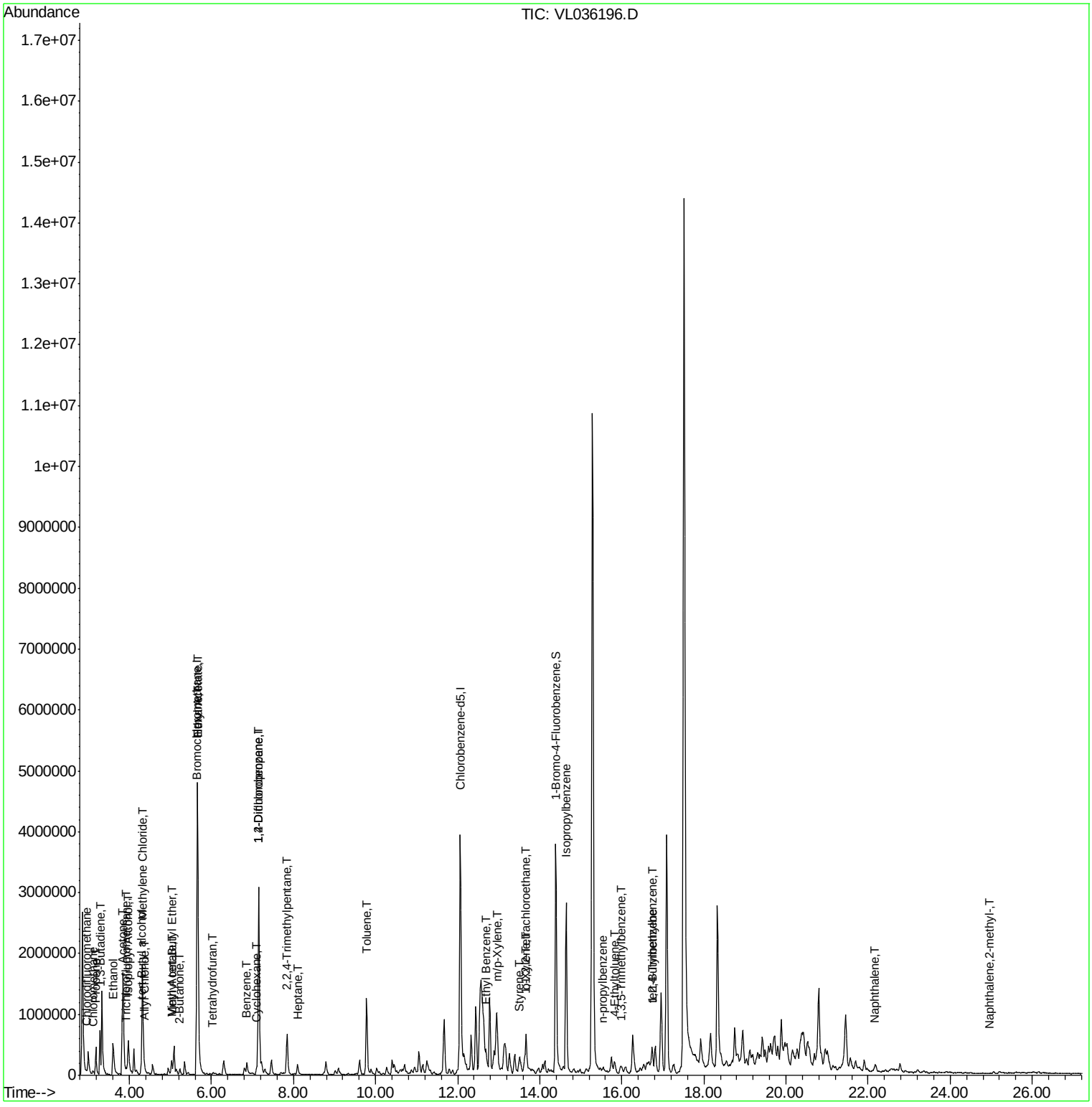
(#) = qualifier out of range (m) = manual integration (+) = signals summed

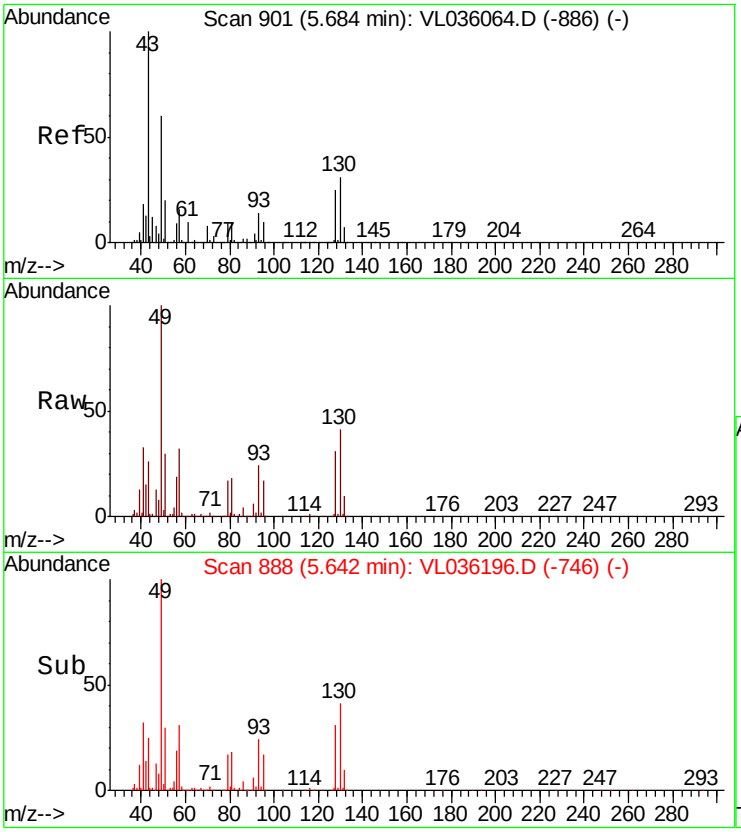
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL122320\
Data File : VL036196.D
Acq On : 23 Dec 2020 17:33
Operator : SY/AP
Sample : L5196-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SSSG2

Quant Time: Dec 24 05:25:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration



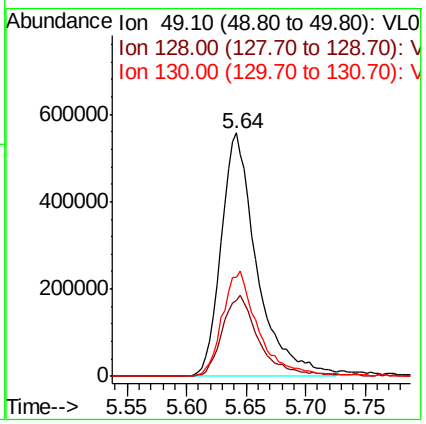


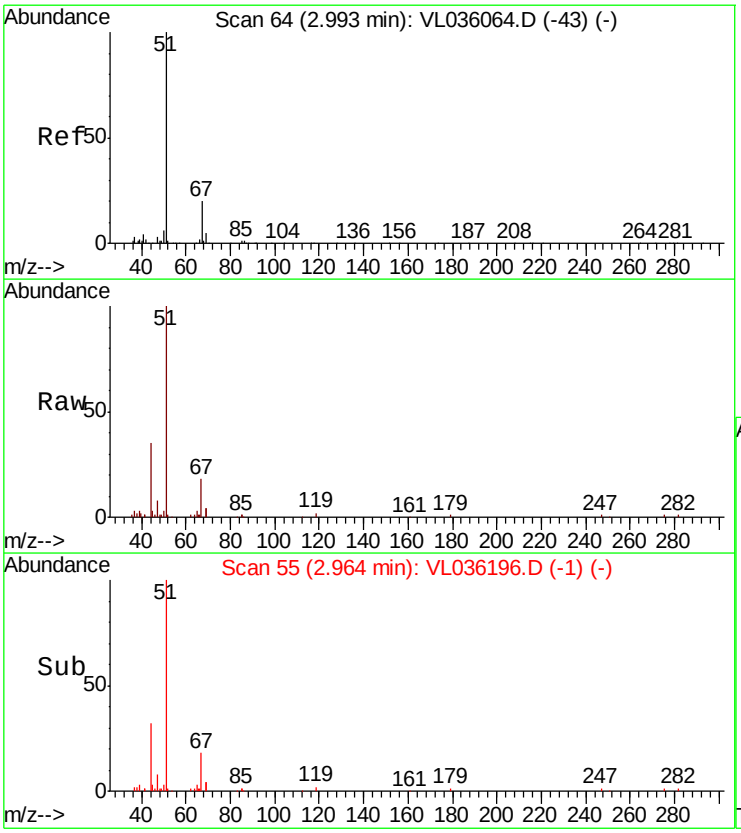
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 888
Delta R.T. -0.04 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion: 49 Resp: 1160481

Ion	Ratio	Lower	Upper
49	100		
128	34.4	21.1	63.1
130	44.1	27.1	81.3

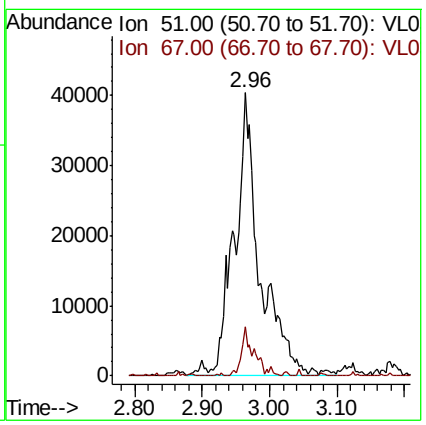


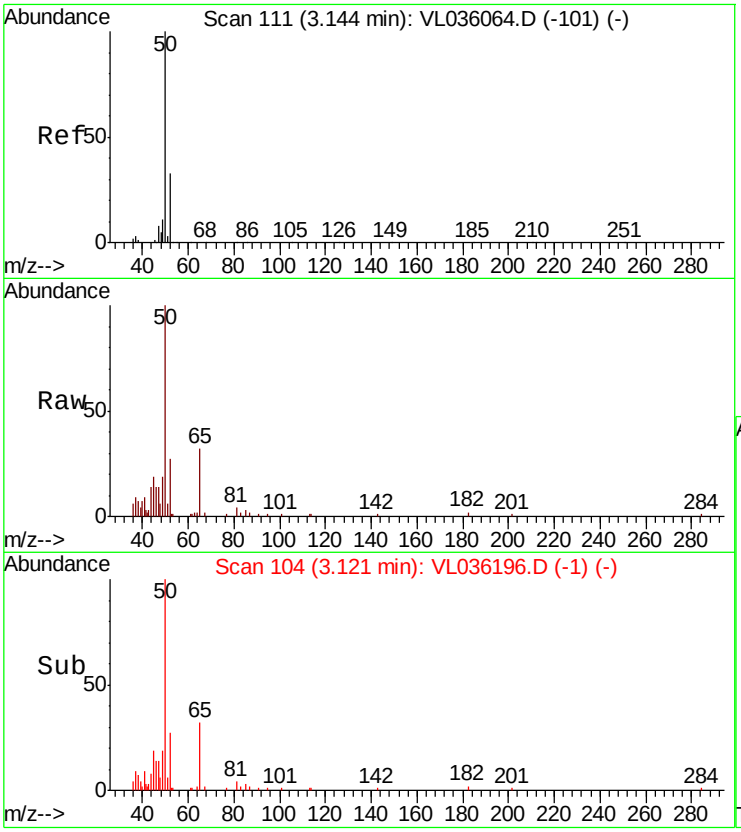


#3
Chlorodifluoromethane
Concen: 0.810 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.03 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 51 Resp: 107284

Ion	Ratio	Lower	Upper
51	100		
67	8.8	14.3	21.5#



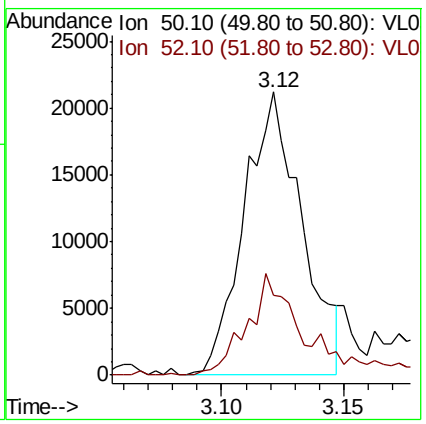


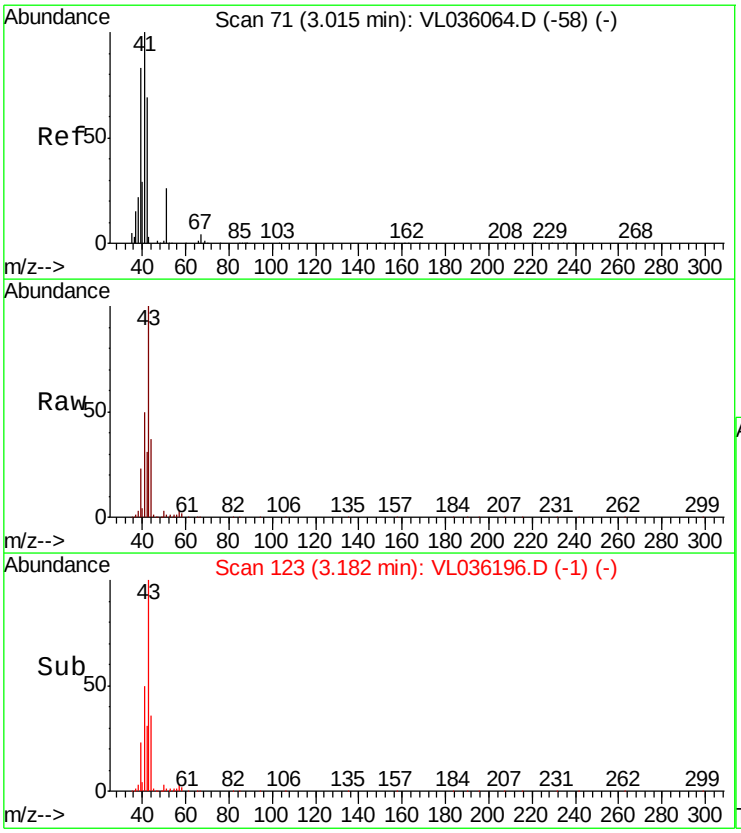
#4
Chloromethane
Concen: 0.536 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion: 50 Resp: 34846

Ion	Ratio	Lower	Upper
50	100		
52	28.1	26.1	39.1

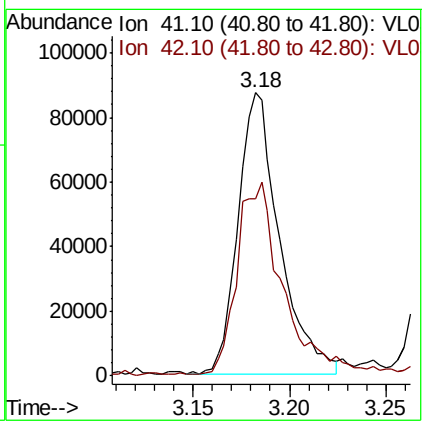


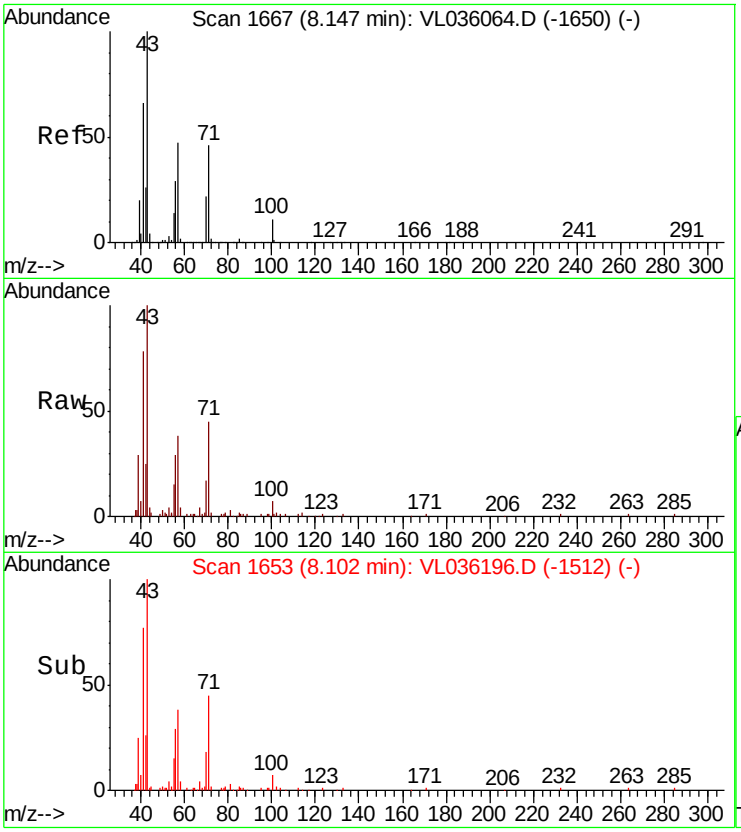


#9
Propene
Concen: 1.969 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.17 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 41 Resp: 130608

Ion	Ratio	Lower	Upper
41	100		
42	75.3	57.0	85.6



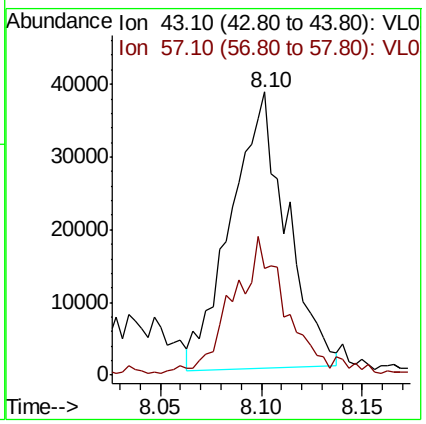


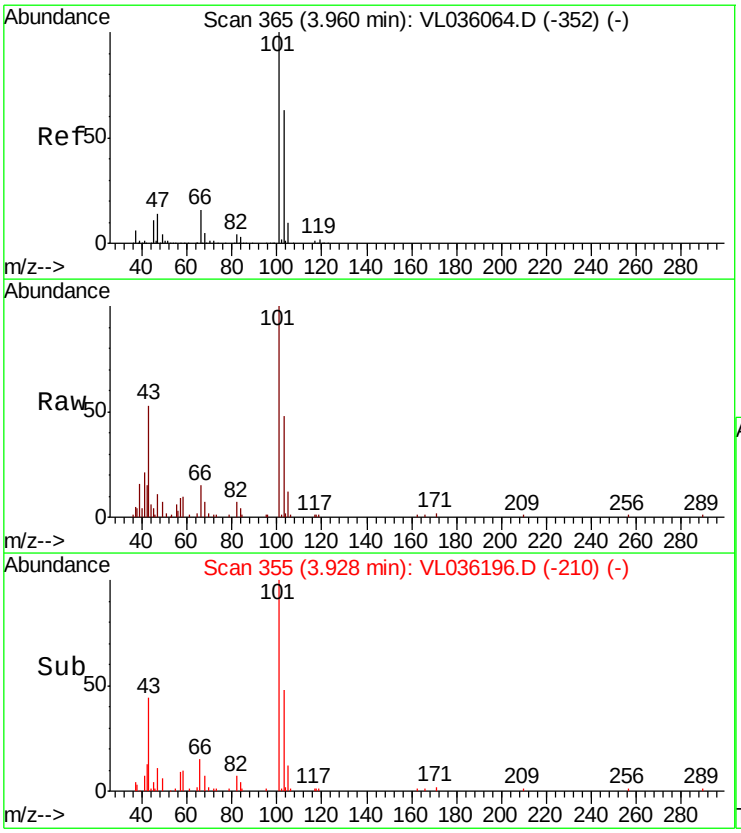
#10
Heptane
Concen: 0.431 ppbv
RT: 8.10 min Scan# 1653
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion: 43 Resp: 72977

Ion	Ratio	Lower	Upper
43	100		
57	51.6	37.9	56.9

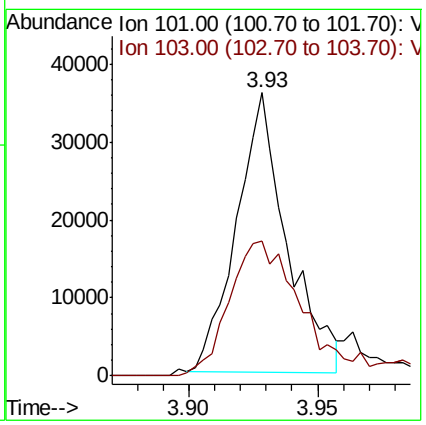


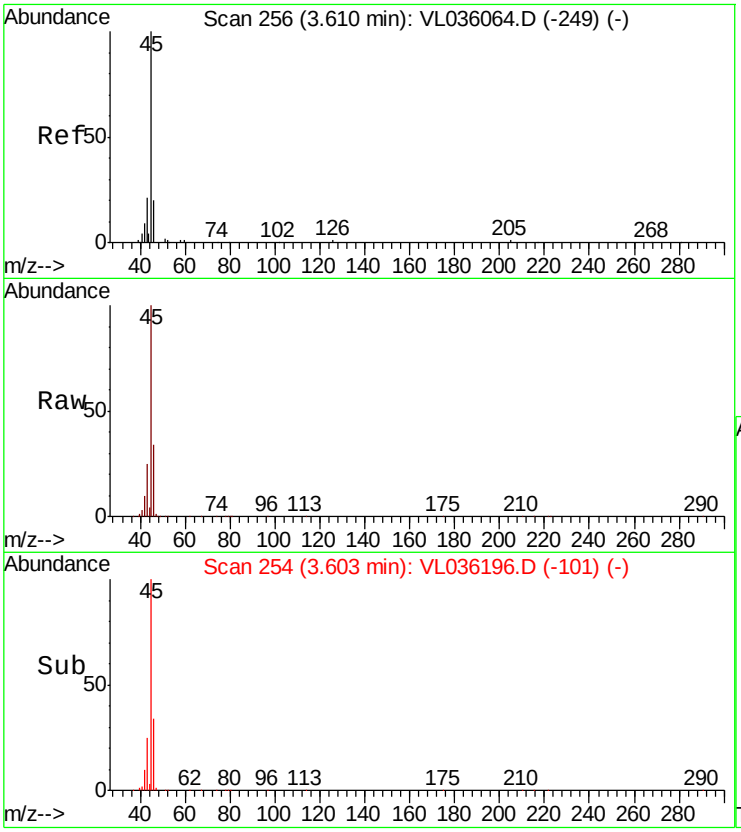


#11
Trichlorofluoromethane
Concen: 0.309 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.03 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion:101 Resp: 49188

Ion	Ratio	Lower	Upper
101	100		
103	47.2	50.3	75.5#



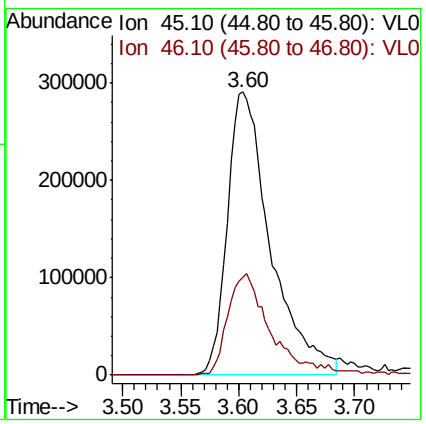


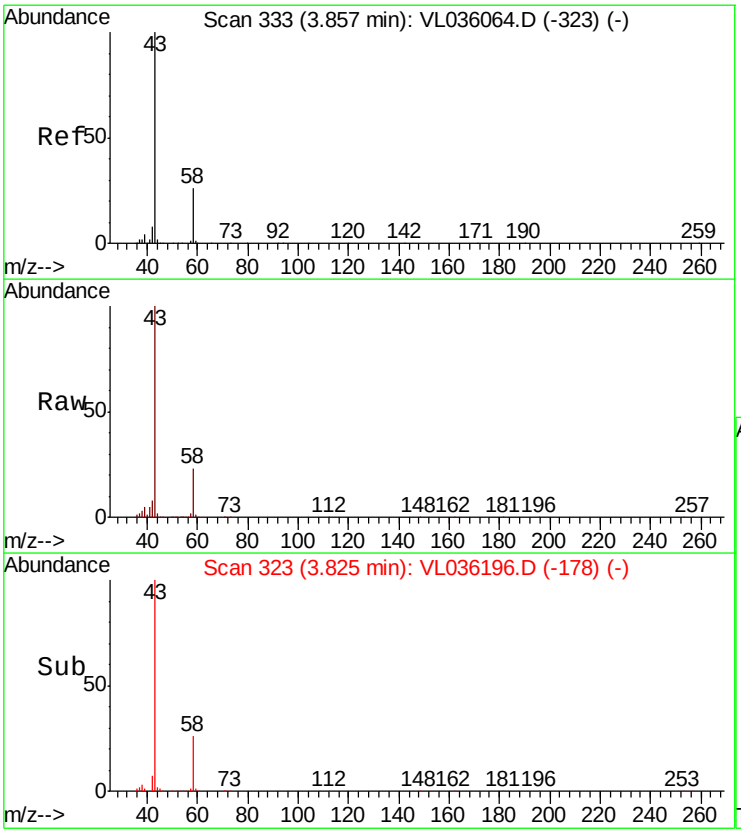
#13
Ethanol
Concen: 82.153 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion: 45 Resp: 751174

Ion	Ratio	Lower	Upper
45	100		
46	36.9	19.0	75.8

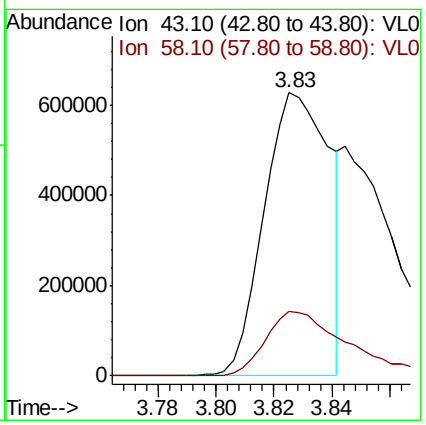


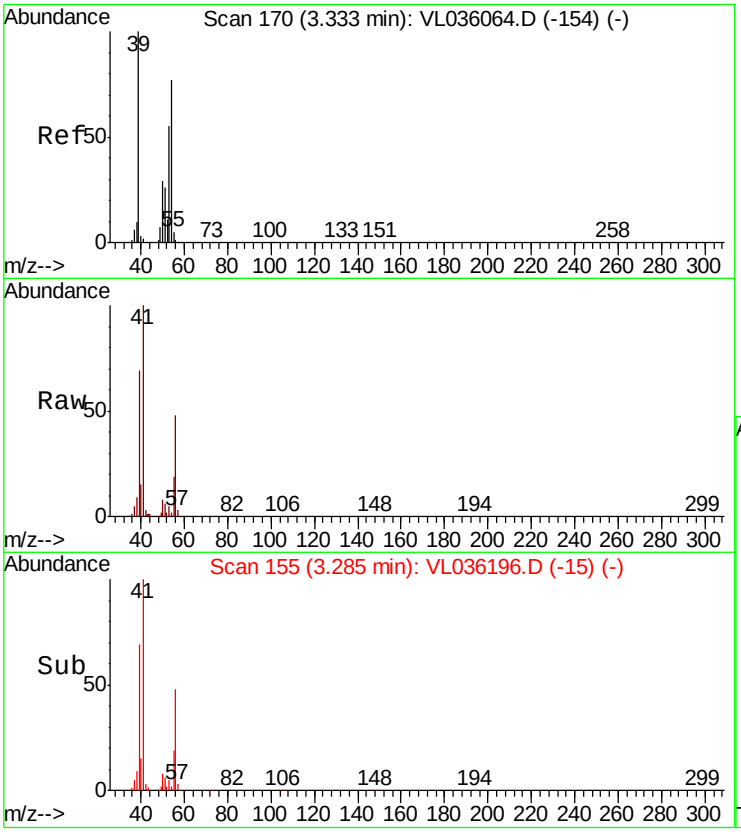


#15
Acetone
Concen: 7.018 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.03 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 43 Resp: 978784

Ion	Ratio	Lower	Upper
43	100		
58	31.3	20.9	31.3#



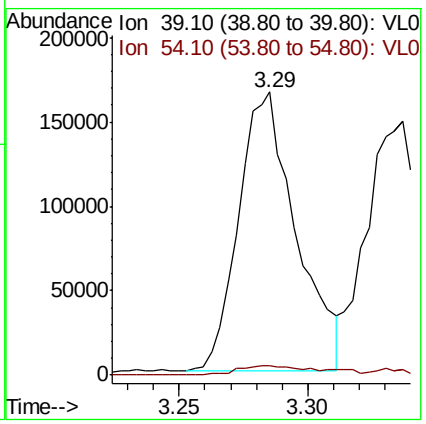


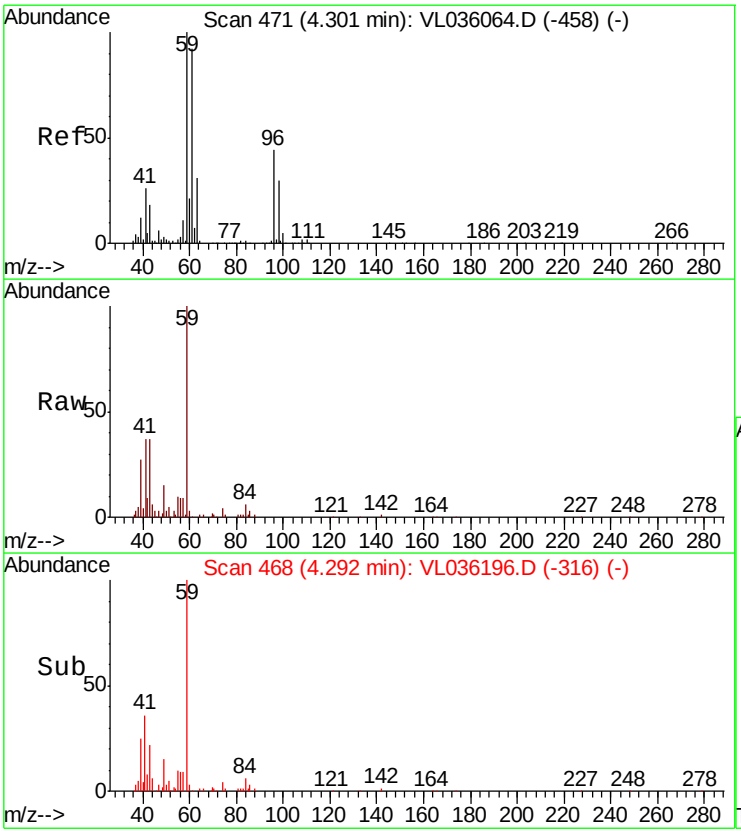
#16
1,3-Butadiene
Concen: 3.668 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion: 39 Resp: 257694

Ion	Ratio	Lower	Upper
39	100		
54	7.0	62.1	93.1#

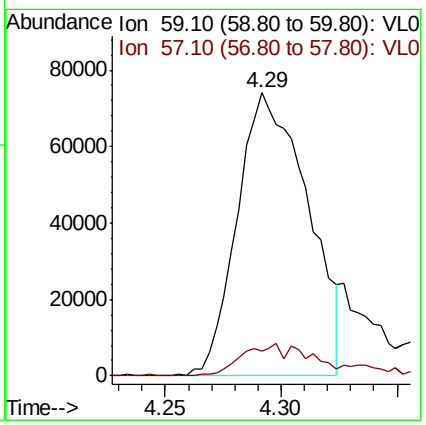


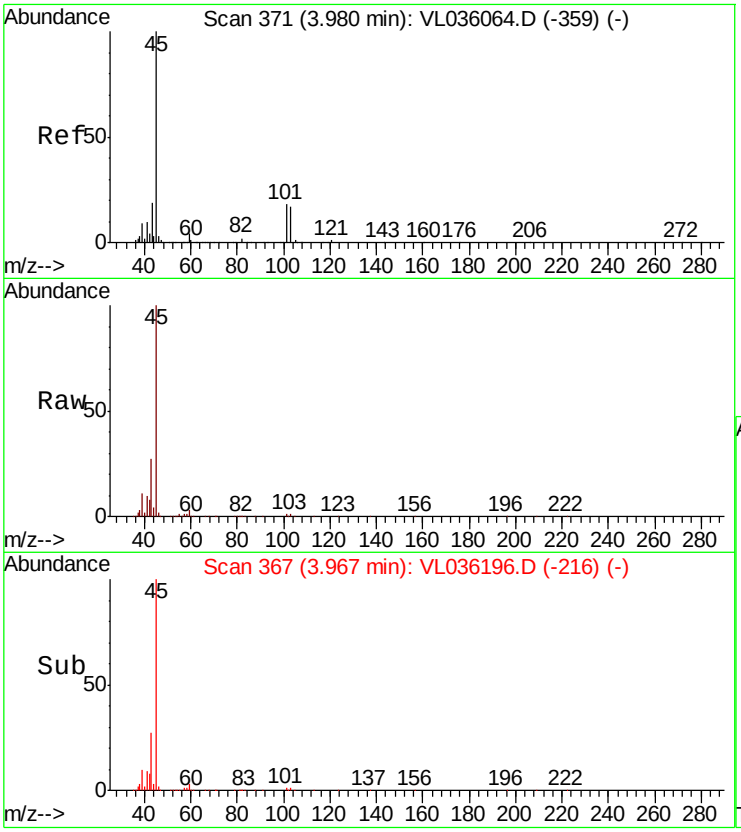


#17
tert-Butyl alcohol
Concen: 1.149 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 59 Resp: 155274

Ion	Ratio	Lower	Upper
59	100		
57	13.4	8.7	13.1#



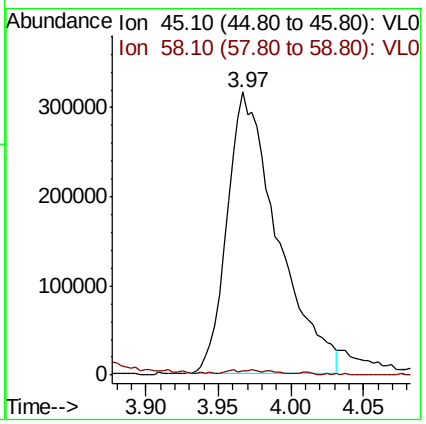


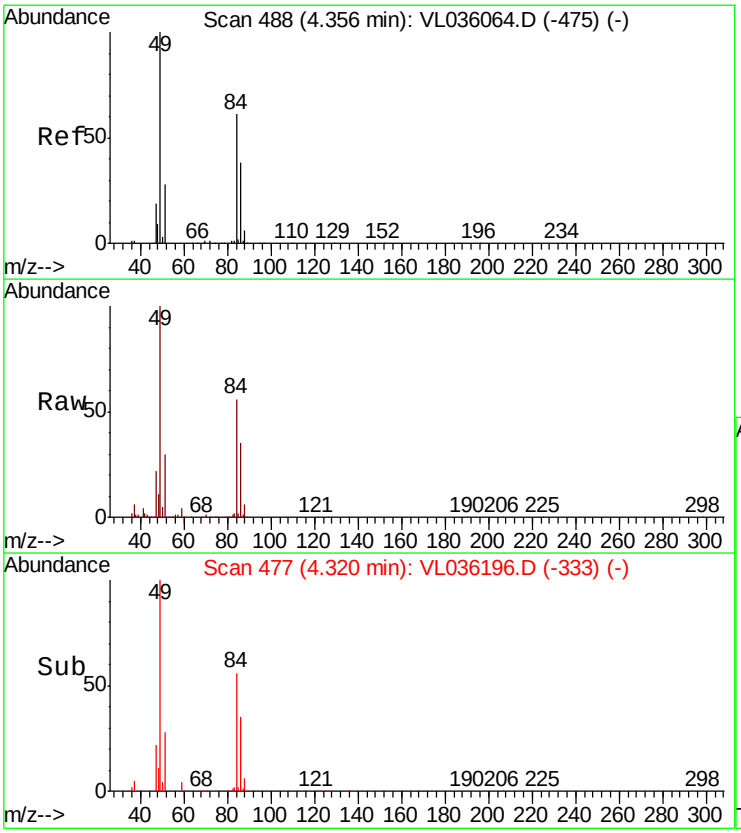
#19
Isopropyl Alcohol
Concen: 8.992 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.01 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument : MSVOA_L
ClientSampleId : SSSG2

Tgt Ion: 45 Resp: 766557

Ion	Ratio	Lower	Upper
45	100		
58	2.4	0.0	0.0#

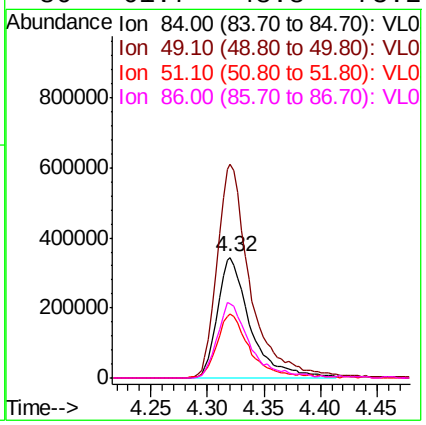


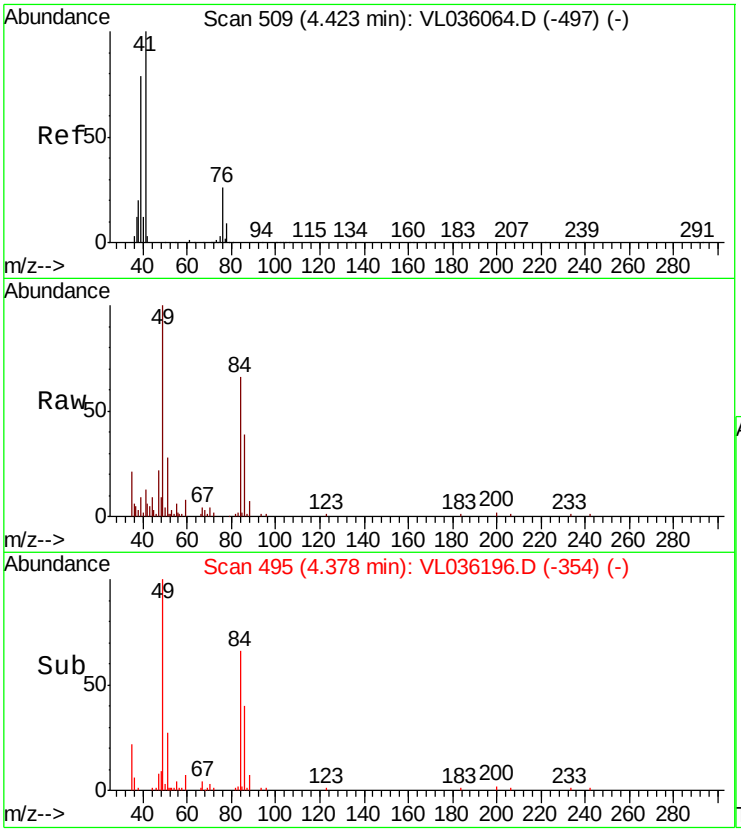


#20
Methylene Chloride
Concen: 12.183 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.04 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 84 Resp: 696287

Ion	Ratio	Lower	Upper
84	100		
49	177.0	133.0	199.4
51	52.3	38.9	58.3
86	61.7	48.8	73.2



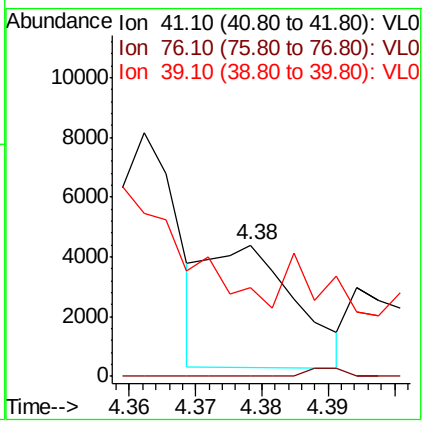


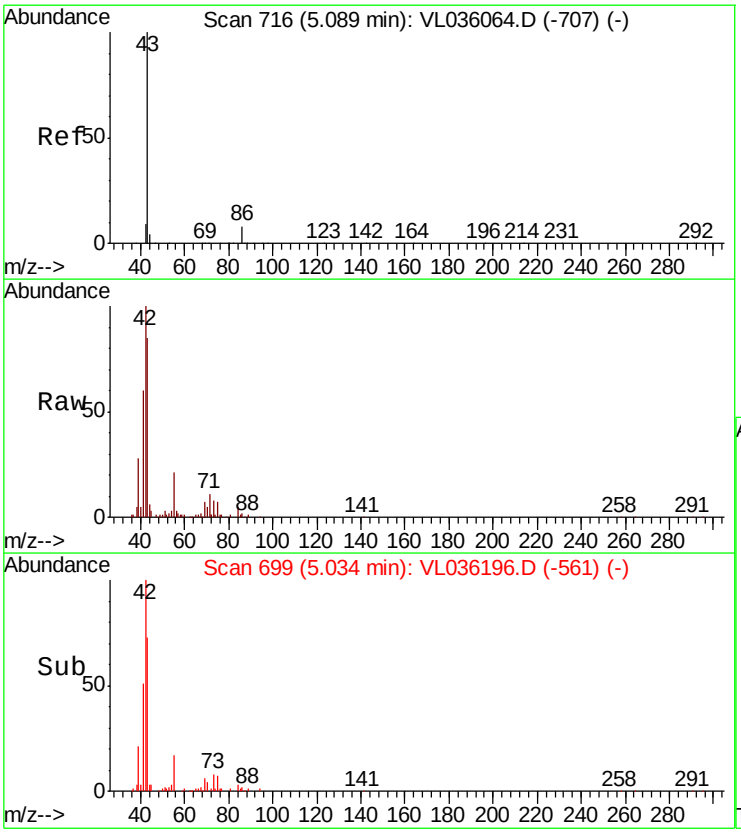
#21
Allvl Chloride
Concen: 0.041 ppbv
RT: 4.38 min Scan# 495
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument : MSVOA_L
ClientSampleId : SSSG2

Tgt Ion: 41 Resp: 3806

Ion	Ratio	Lower	Upper
41	100		
76	2.8	21.0	31.4#
39	0.0	66.0	99.0#

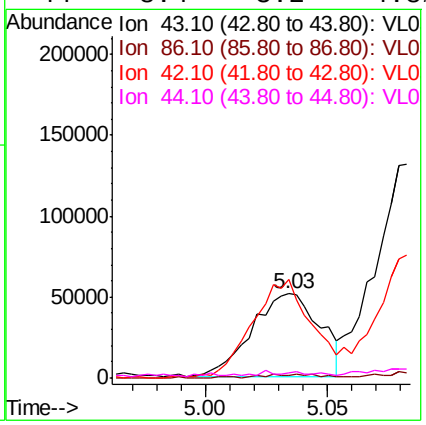


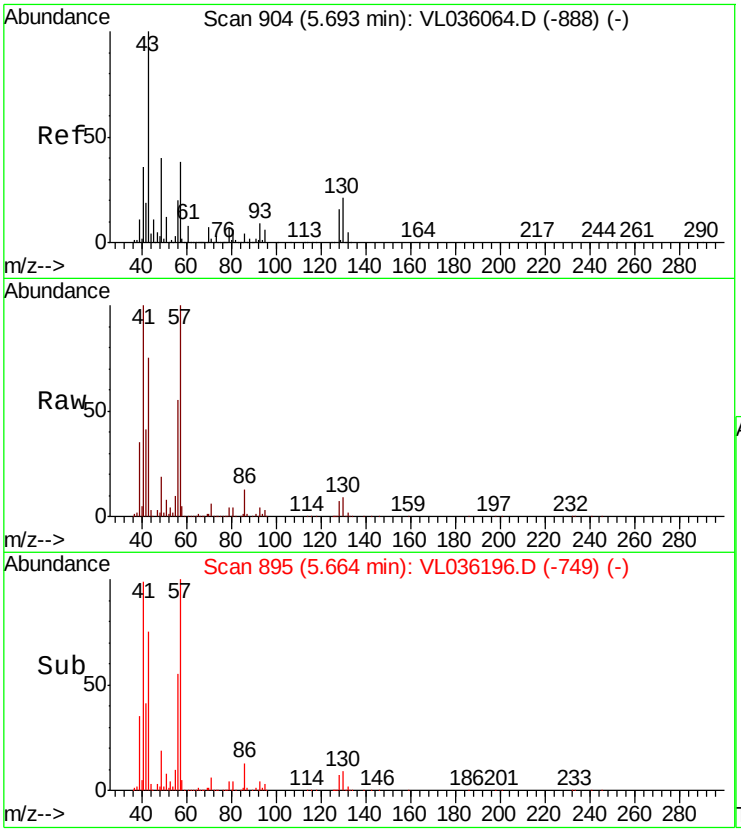


#23
Vinyl Acetate
Concen: 0.533 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 43 Resp: 98933

Ion	Ratio	Lower	Upper
43	100		
86	2.7	5.0	7.4#
42	115.3	7.8	11.6#
44	8.4	3.2	4.8#



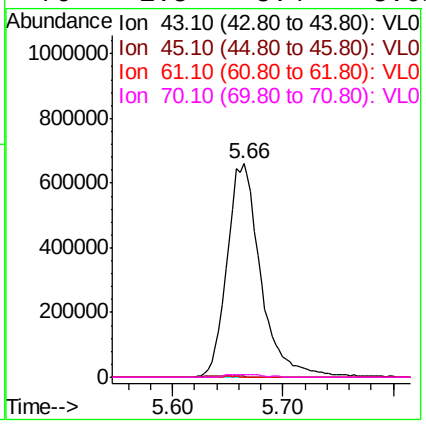


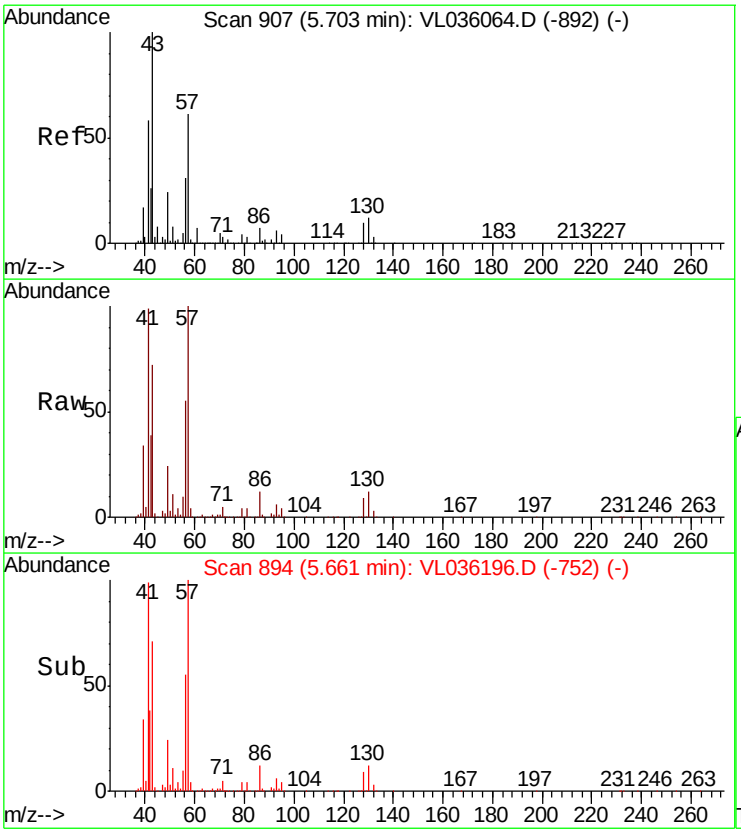
#25
Ethyl Acetate
Concen: 4.995 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.03 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument : MSVOA_L
ClientSampleId : SSSG2

Tgt Ion: 43 Resp: 1391729

Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.2	12.4#
61	0.4	7.4	11.2#
70	1.5	5.4	8.0#

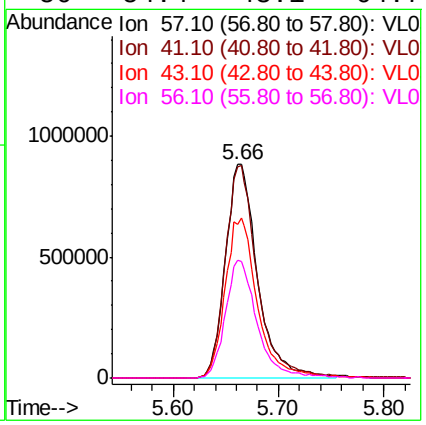


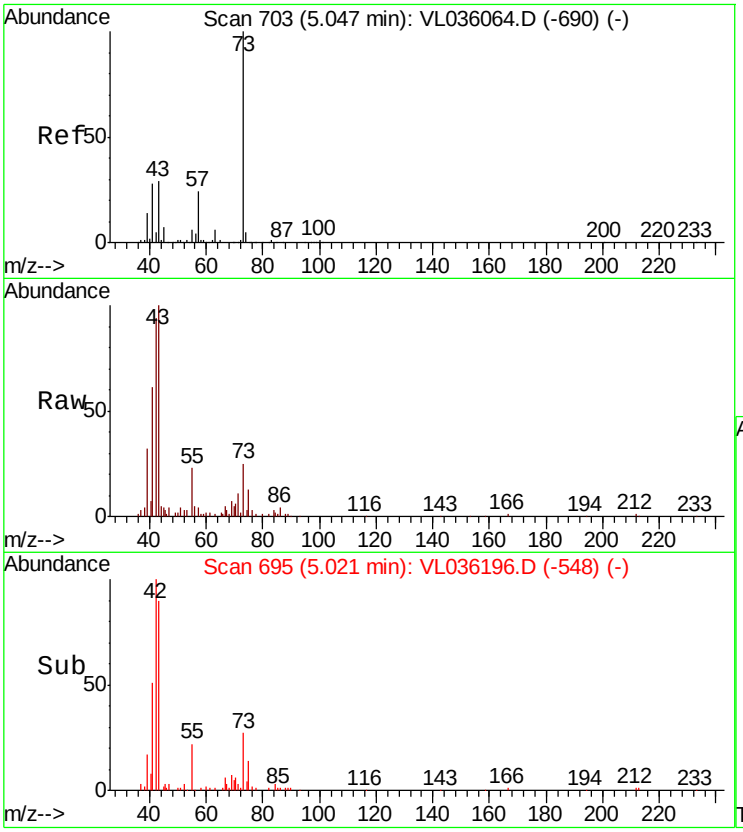


#26
Hexane
Concen: 14.858 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.04 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 57 Resp: 1863198

Ion	Ratio	Lower	Upper
57	100		
41	99.6	82.9	124.3
43	75.7	199.9	299.9#
56	54.4	43.1	64.7



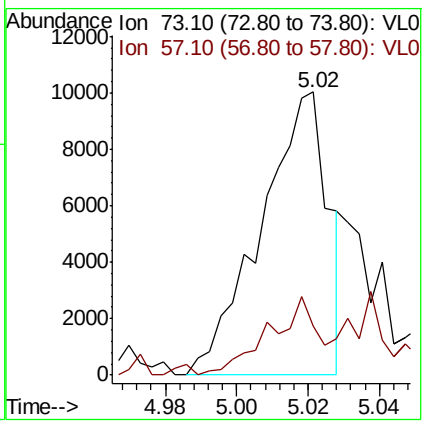


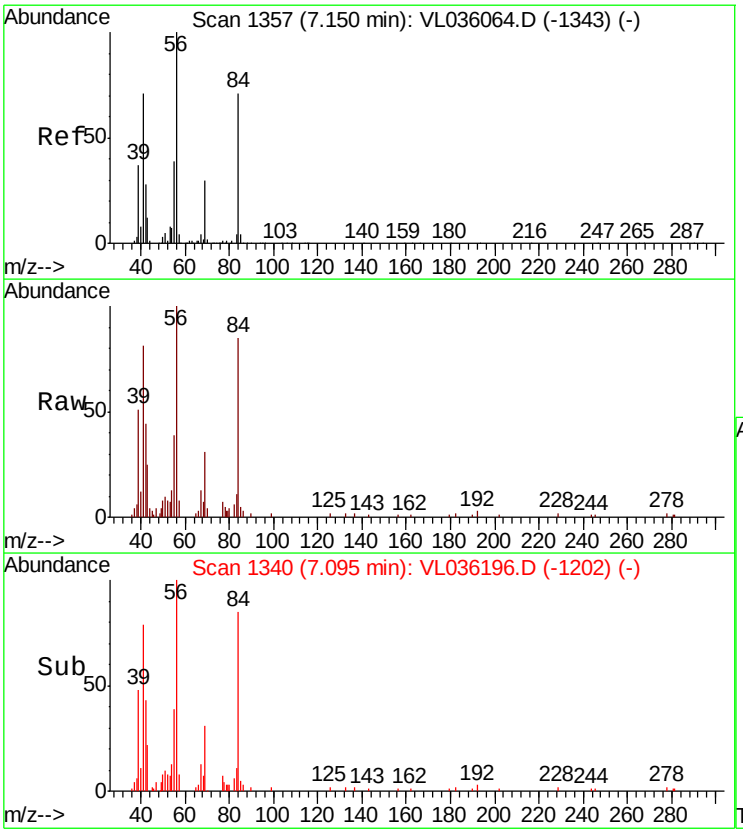
#28
Methyl tert-Butyl Ether
Concen: 0.073 ppbv
RT: 5.02 min Scan# 695
Delta R.T. -0.03 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument : MSVOA_L
ClientSampleId : SSSG2

Tgt Ion: 73 Resp: 13095

Ion	Ratio	Lower	Upper
73	100		
57	34.3	19.2	28.8#

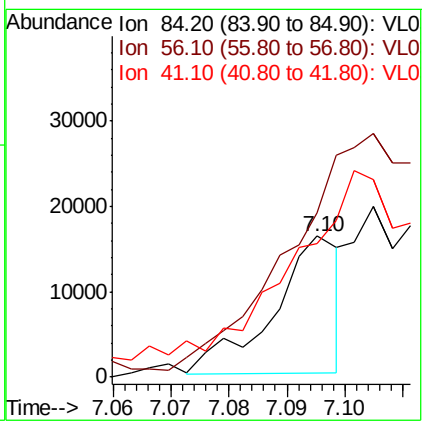


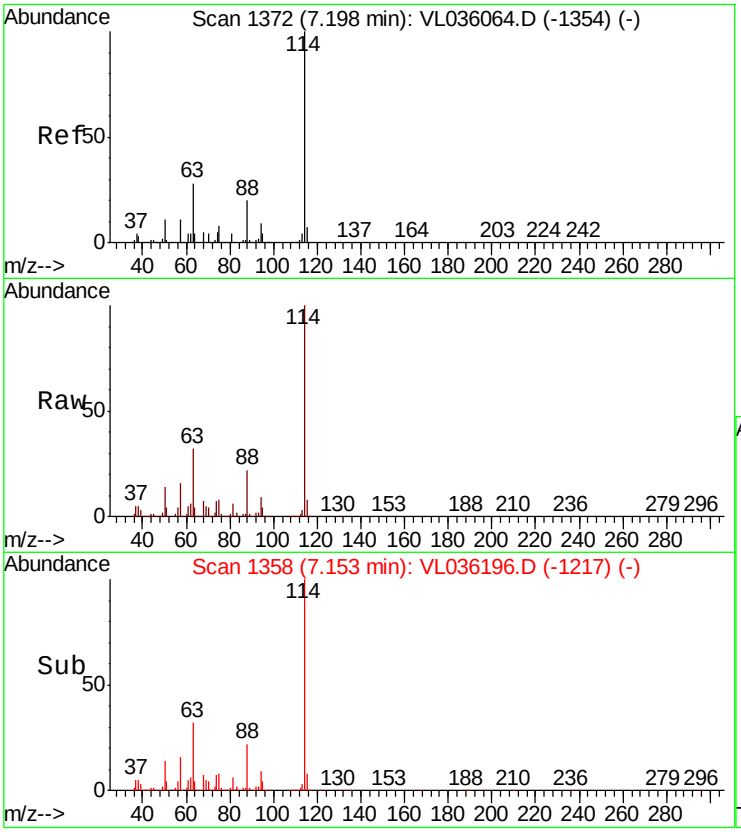


#30
Cyclohexane
Concen: 0.139 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 84 Resp: 12843

Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	0.0	81.3	121.9#



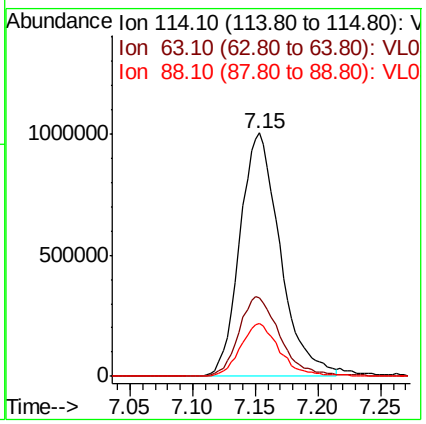


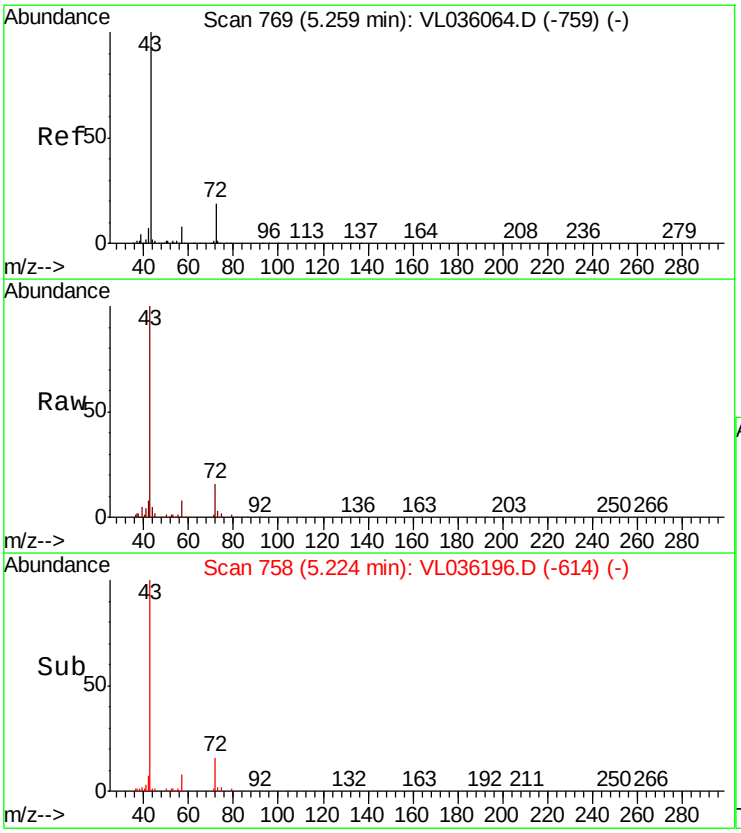
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion:114 Resp: 2243689

Ion	Ratio	Lower	Upper
114	100		
63	33.8	23.6	35.4
88	21.3	15.8	23.6

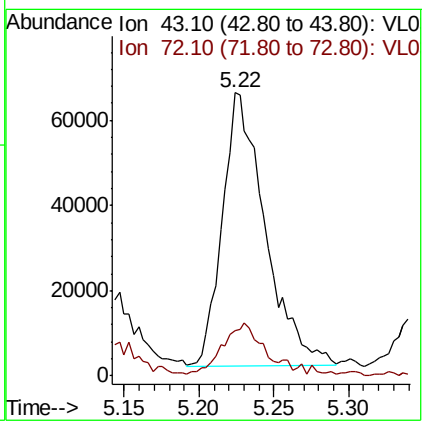


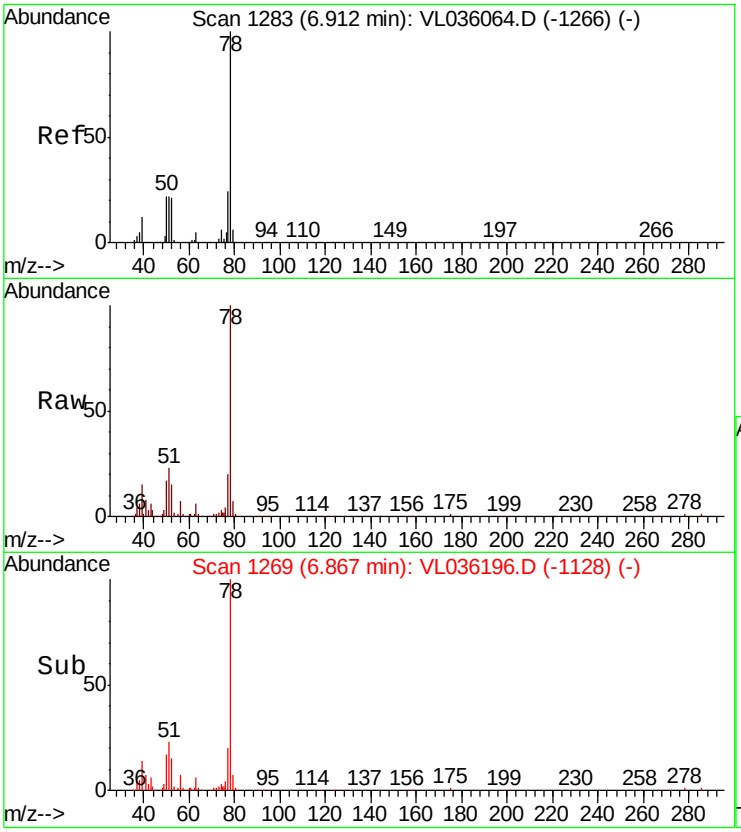


#34
2-Butanone
Concen: 0.860 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.04 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 43 Resp: 128033

Ion	Ratio	Lower	Upper
43	100		
72	21.5	16.5	24.7



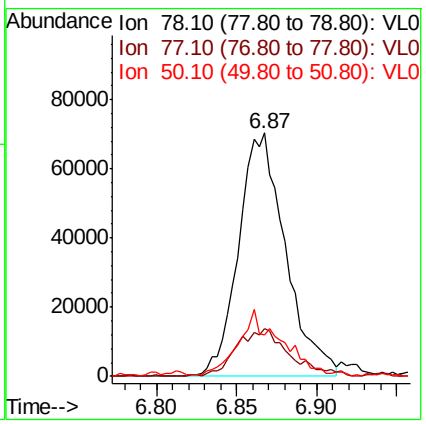


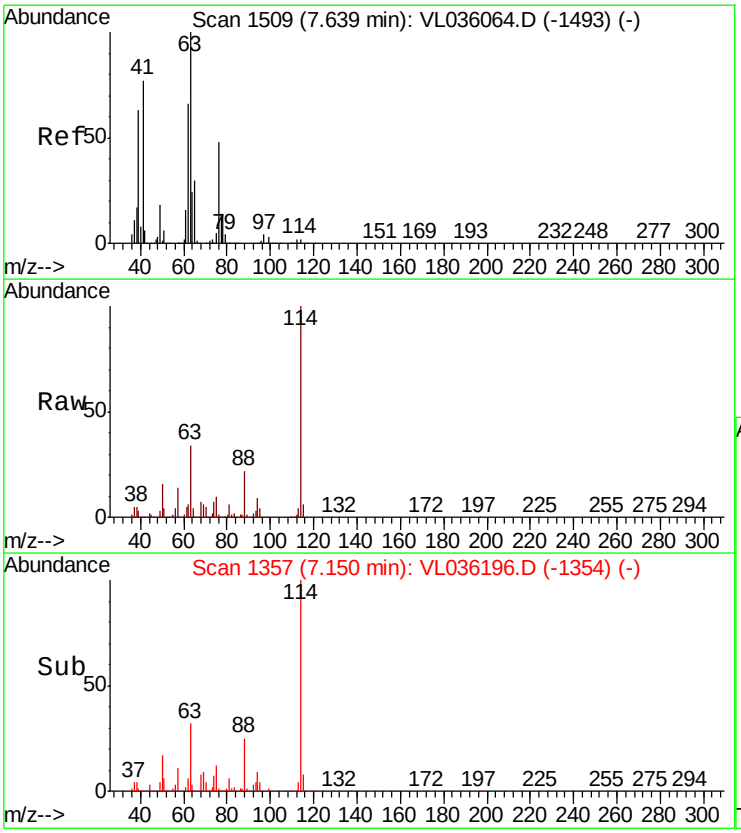
#36
Benzene
Concen: 0.745 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument : MSVOA_L
ClientSampleId : SSSG2

Tgt Ion: 78 Resp: 141659

Ion	Ratio	Lower	Upper
78	100		
77	19.8	19.4	29.2
50	16.6	17.8	26.8#

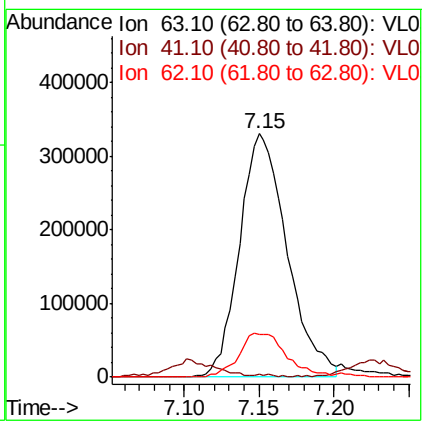


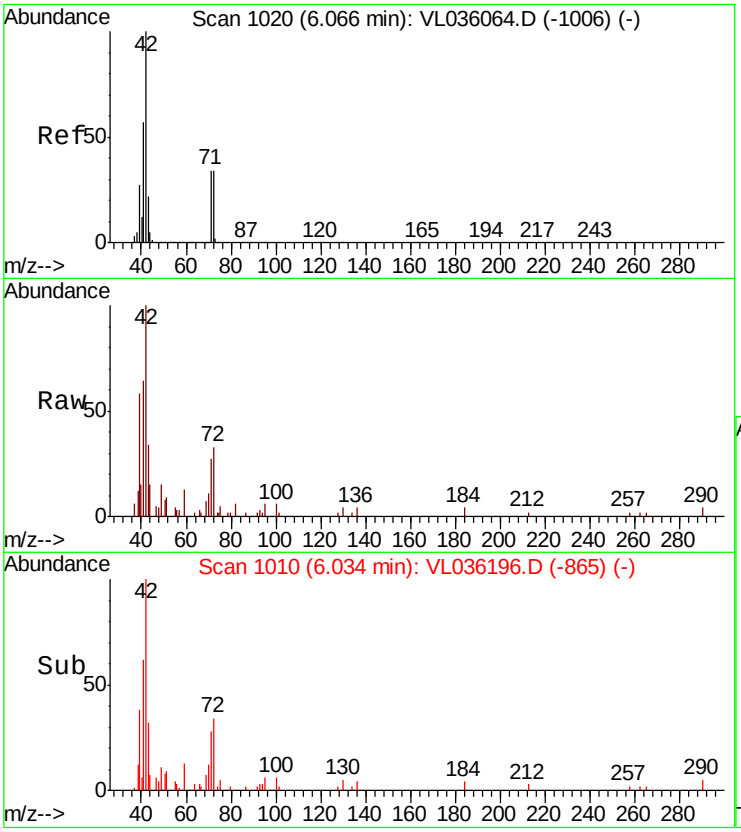


#39
1,2-Dichloropropane
Concen: 9.668 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.49 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 63 Resp: 725976

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.9	92.9#
62	17.6	52.5	78.7#



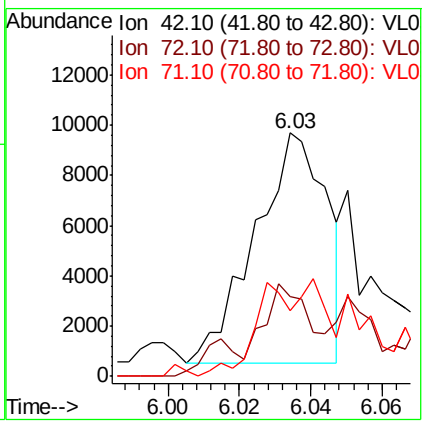


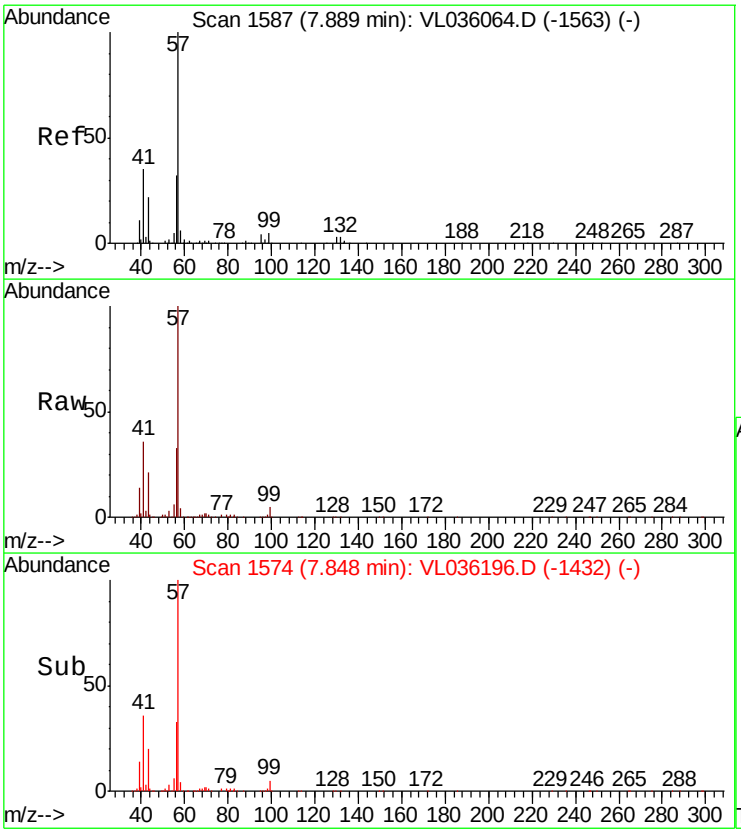
#41
Tetrahydrofuran
Concen: 0.144 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.03 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument : MSVOA_L
ClientSampleId : SSSG2

Tgt Ion: 42 Resp: 12742

Ion	Ratio	Lower	Upper
42	100		
72	63.0	28.3	42.5#
71	60.0	27.3	40.9#

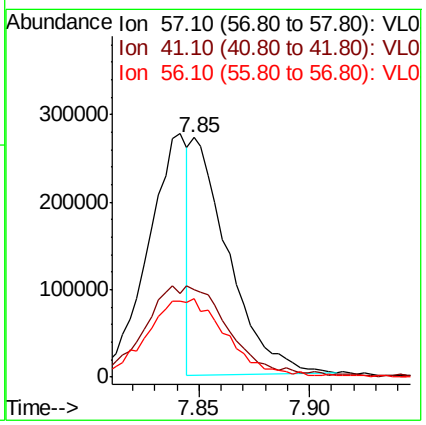


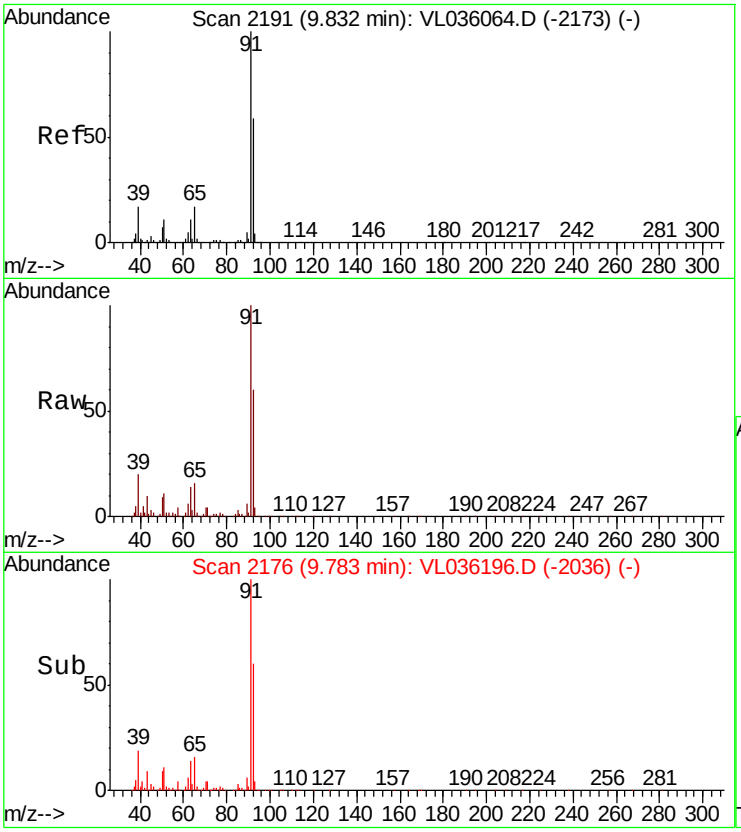


#44
2,2,4-Trimethylpentane
Concen: 0.927 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.04 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 57 Resp: 319304

Ion	Ratio	Lower	Upper
57	100		
41	86.8	28.9	43.3#
56	70.1	25.3	37.9#



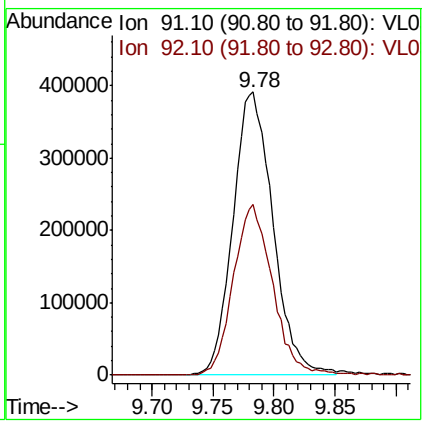


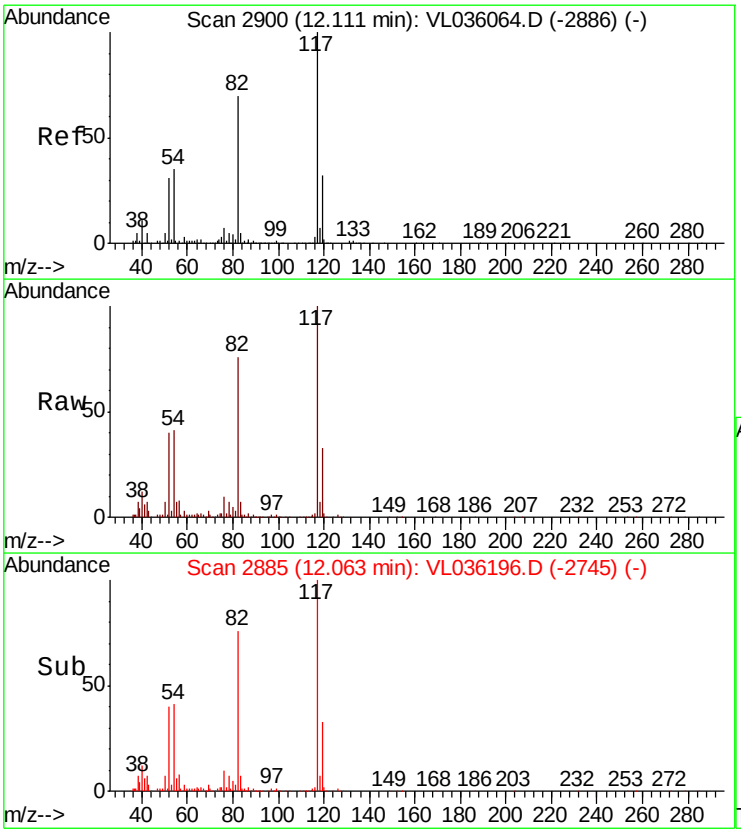
#53
Toluene
Concen: 4.160 ppbv
RT: 9.78 min Scan# 2176
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion: 91 Resp: 888260

Ion	Ratio	Lower	Upper
91	100		
92	58.8	48.2	72.2

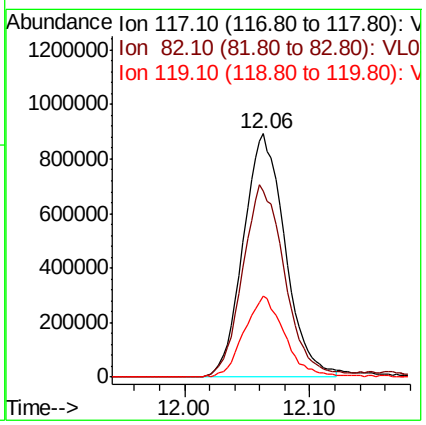


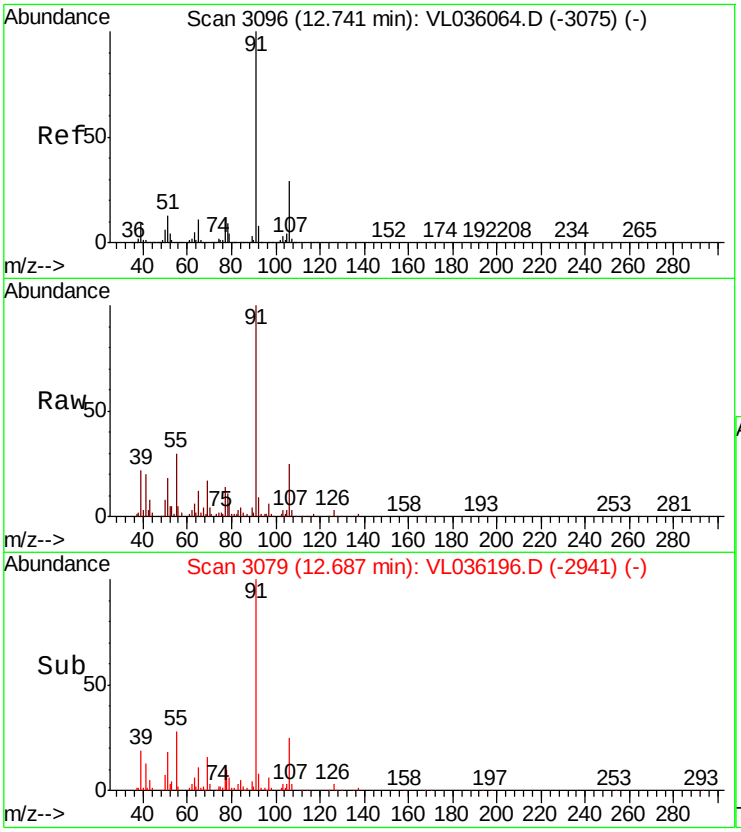


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion:117 Resp: 2069047

Ion	Ratio	Lower	Upper
117	100		
82	79.8	0.0	0.0#
119	33.0	0.0	0.0#



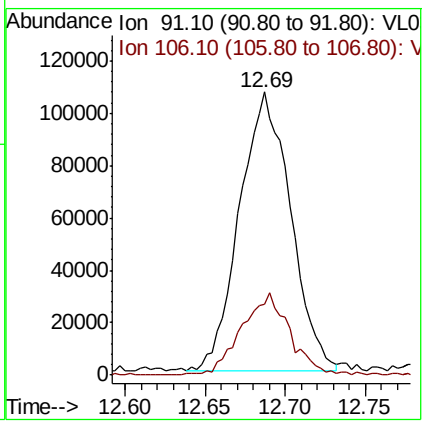


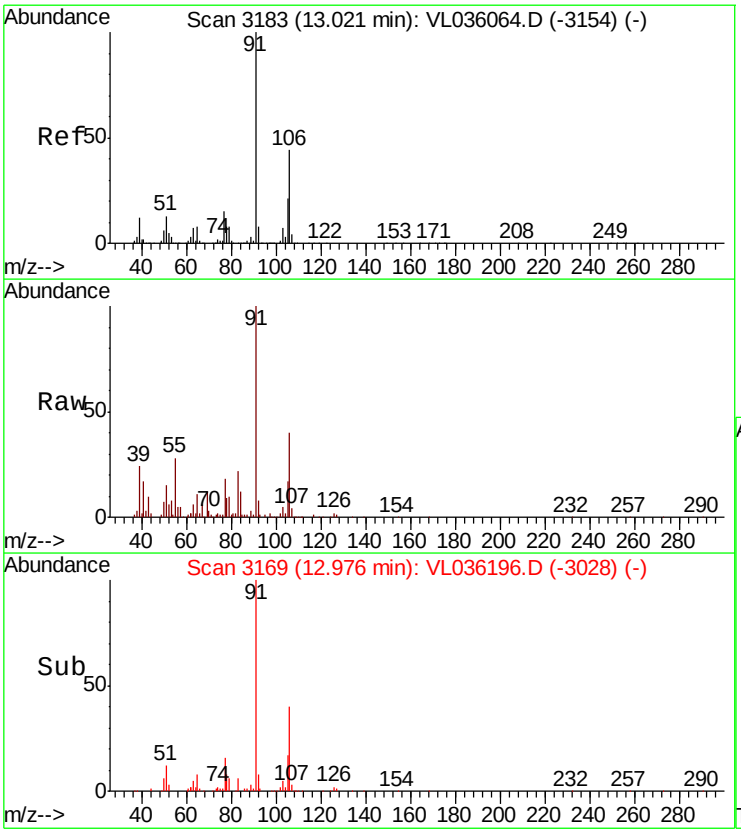
#58
Ethyl Benzene
Concen: 0.819 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument : MSVOA_L
ClientSampleId : SSSG2

Tgt Ion: 91 Resp: 232349

Ion	Ratio	Lower	Upper
91	100		
106	24.9	23.0	34.4

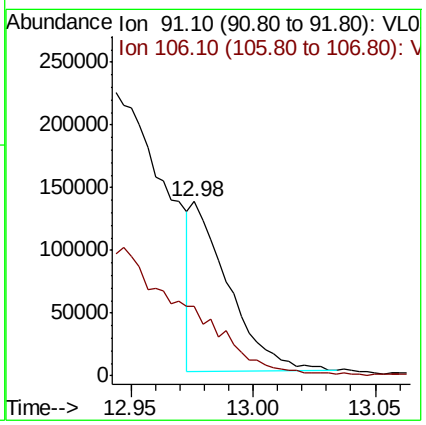


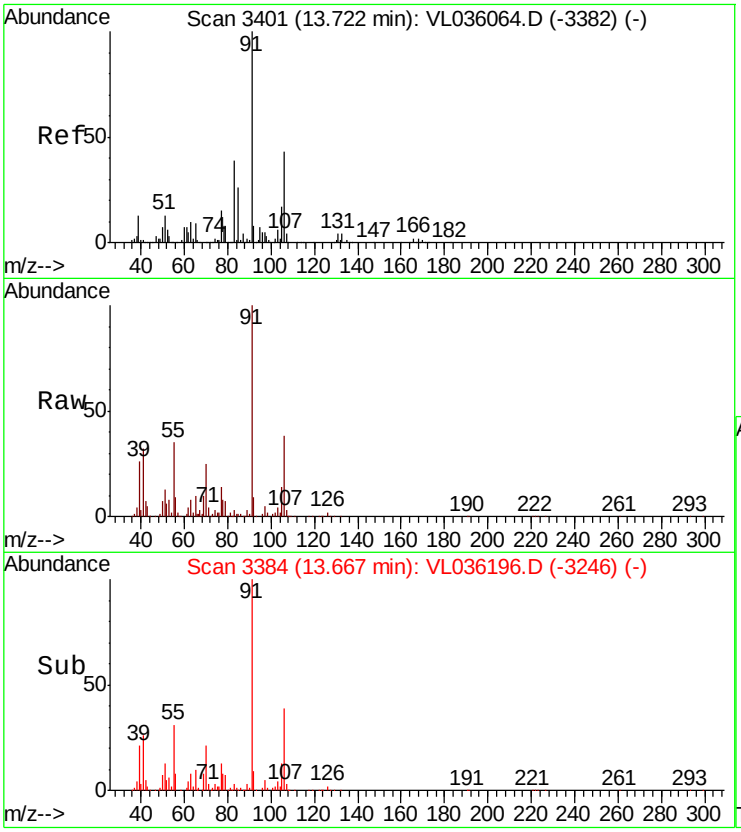


#59
m/p-Xylene
Concen: 0.602 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 91 Resp: 143702

Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#



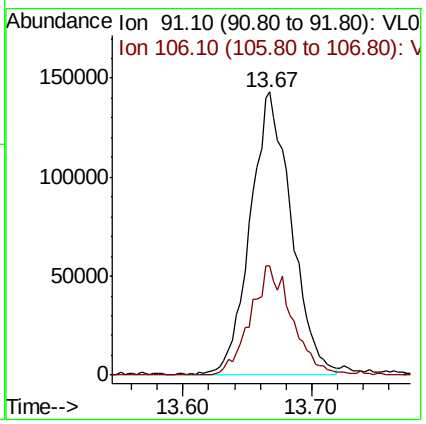


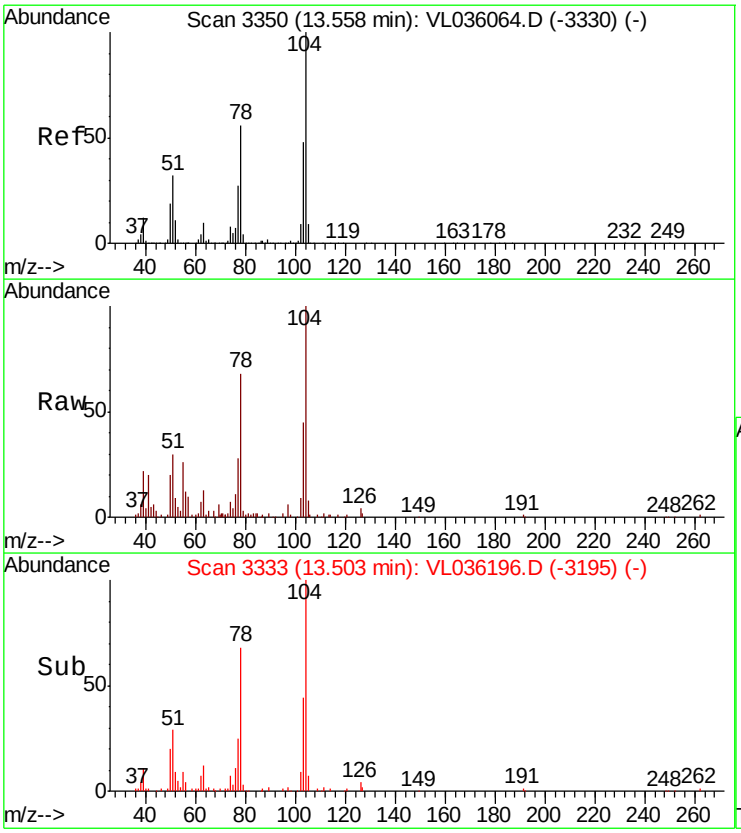
#60
o-Xylene
Concen: 1.405 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion: 91 Resp: 316146

Ion	Ratio	Lower	Upper
91	100		
106	39.6	21.6	64.6

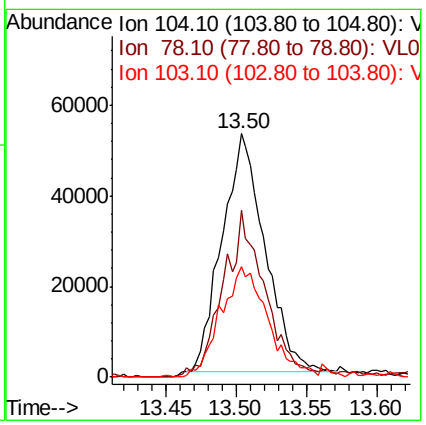


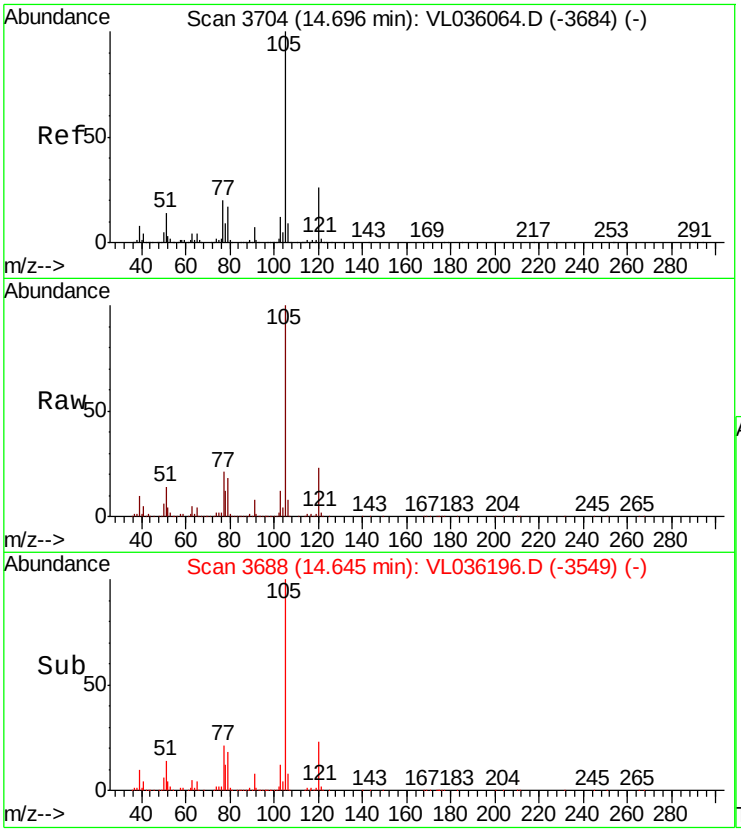


#61
Styrene
Concen: 0.770 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion:104 Resp: 111271

Ion	Ratio	Lower	Upper
104	100		
78	70.1	45.8	68.8#
103	53.3	38.6	57.8



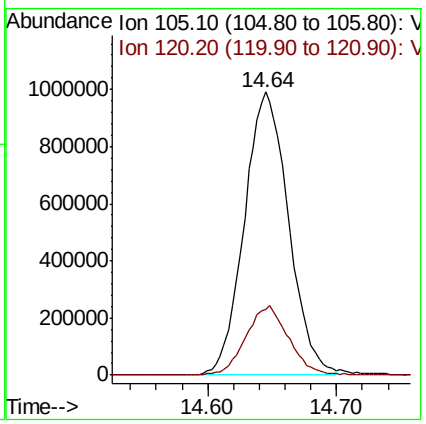


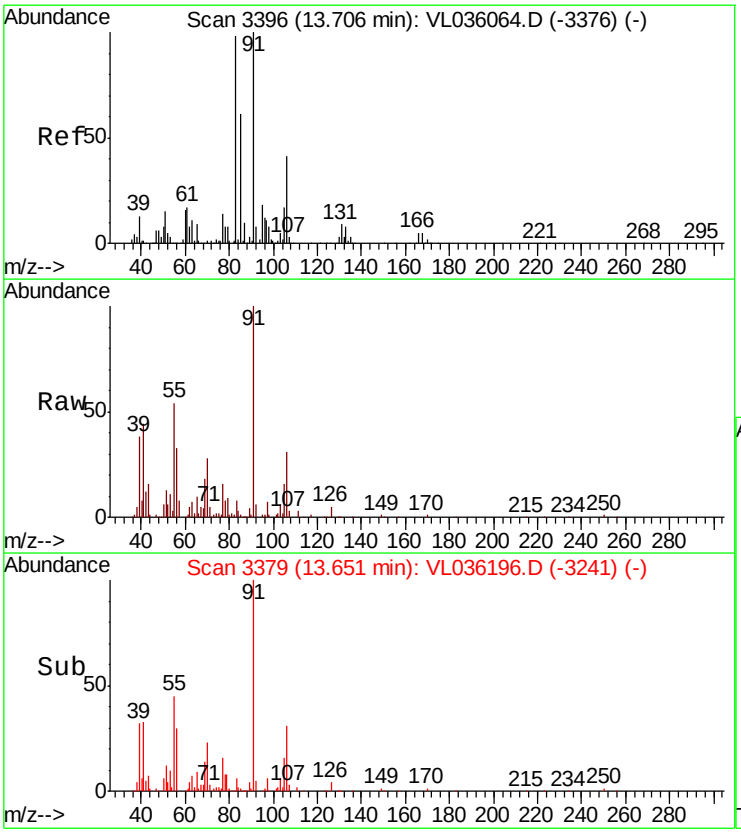
#62
Isopropylbenzene
Concen: 7.089 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument : MSVOA_L
ClientSampleId : SSSG2

Tgt Ion:105 Resp: 2364313

Ion	Ratio	Lower	Upper
105	100		
120	23.8	20.1	30.1

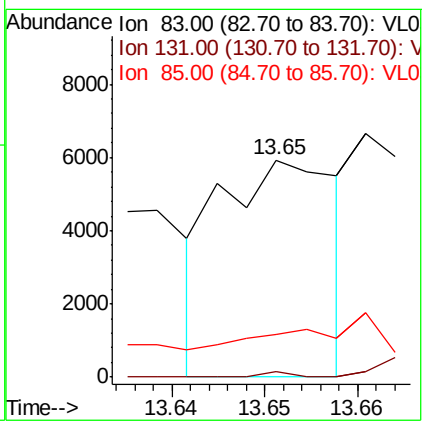


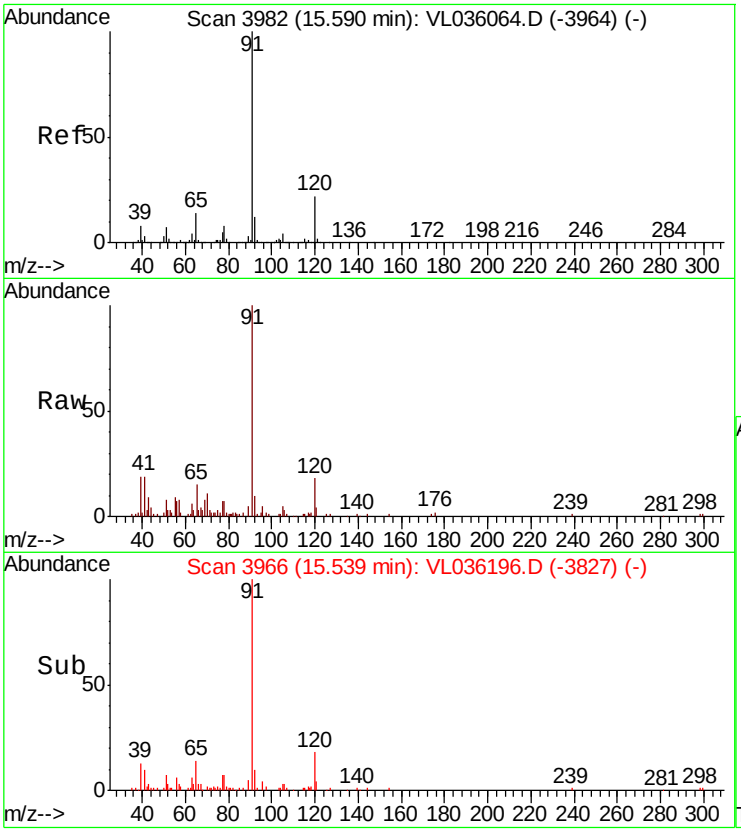


#63
1,1,2,2-Tetrachloroethane
Concen: 0.034 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion: 83 Resp: 5205

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	0.0	32.5	97.5#



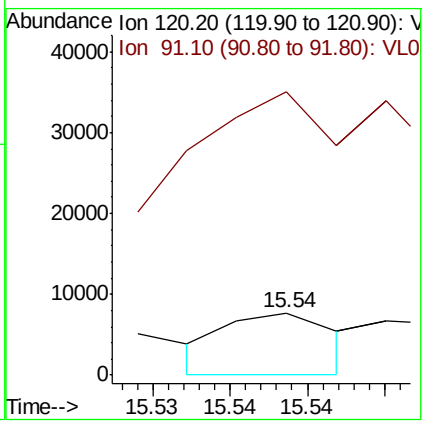


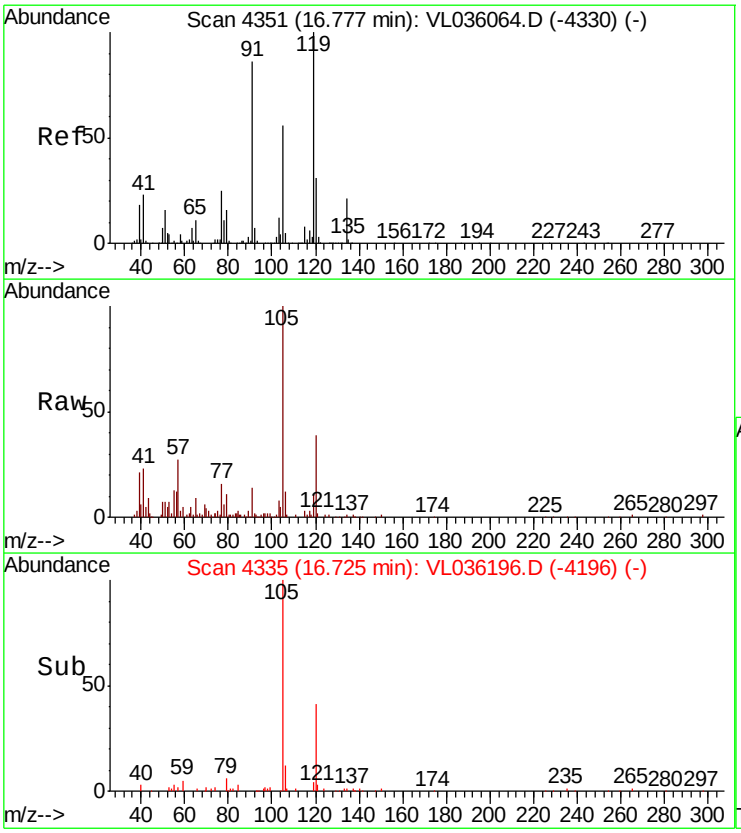
#64
n-propylbenzene
Concen: 0.048 ppbv
RT: 15.54 min Scan# 3966
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion:120 Resp: 3841

Ion	Ratio	Lower	Upper
120	100		
91	1975.6	388.9	583.3#

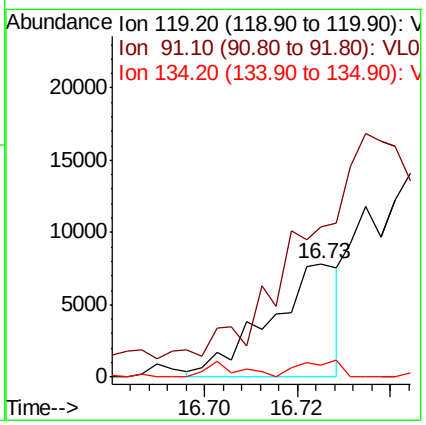


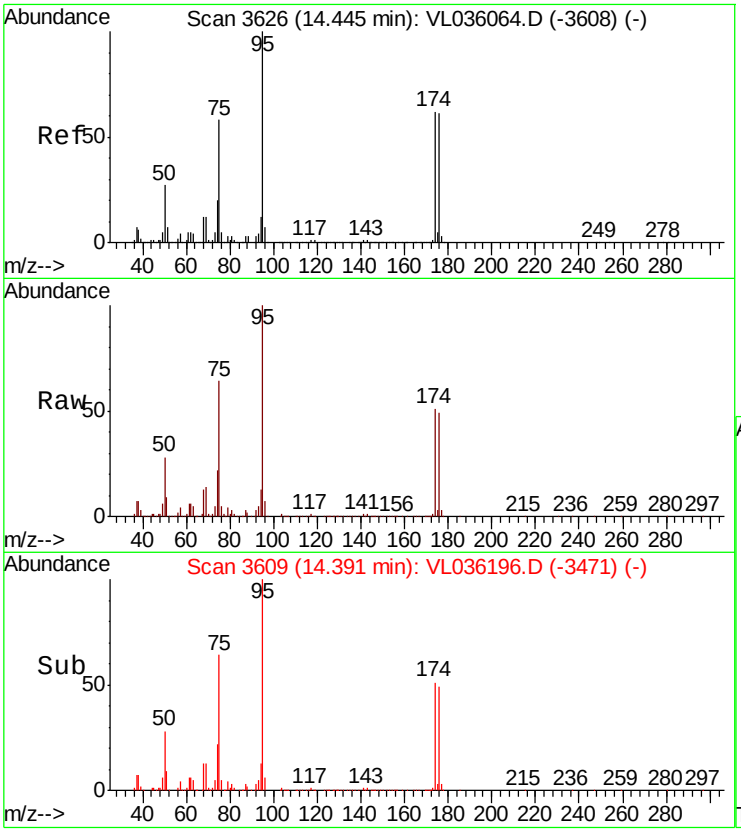


#65
tert-Butylbenzene
Concen: 0.030 ppbv
RT: 16.73 min Scan# 4335
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion:119 Resp: 8200

Ion	Ratio	Lower	Upper
119	100		
91	0.0	70.2	105.2#
134	15.1	15.8	23.6#



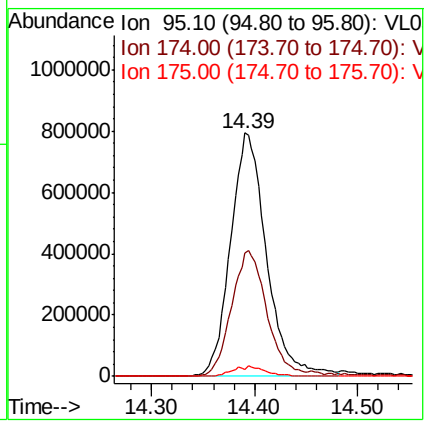


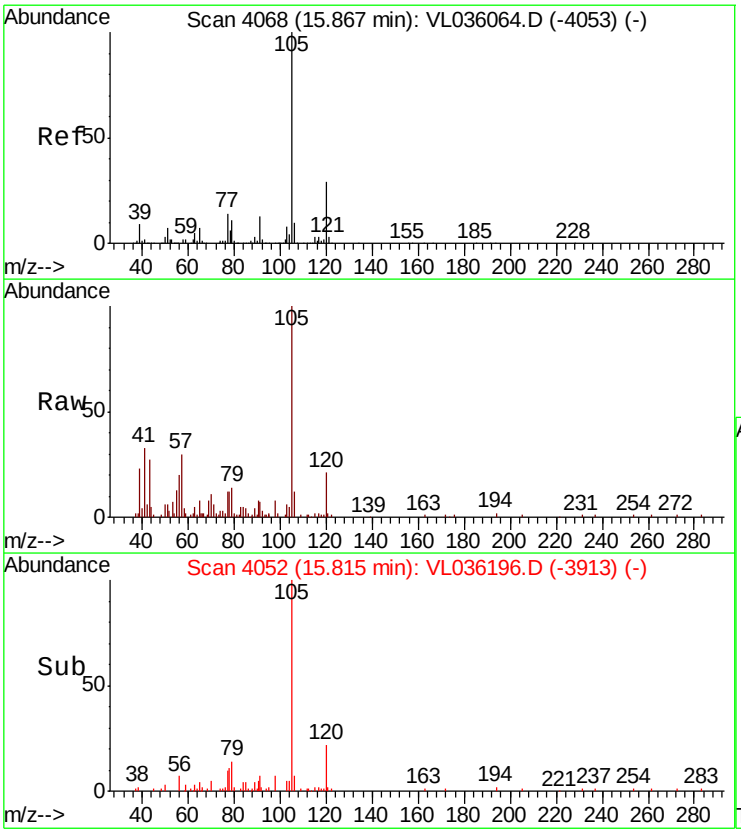
#68
1-Bromo-4-Fluorobenzene
Concen: 11.700 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion: 95 Resp: 1922201

Ion	Ratio	Lower	Upper
95	100		
174	53.0	50.7	76.1
175	3.9	4.0	6.0#

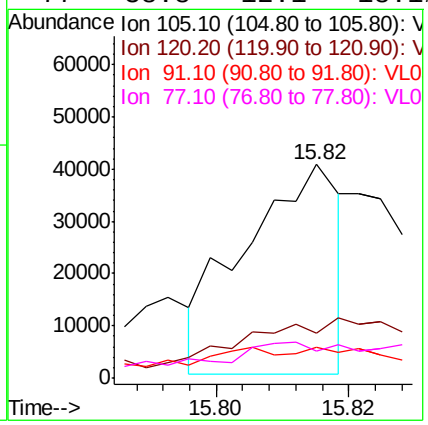


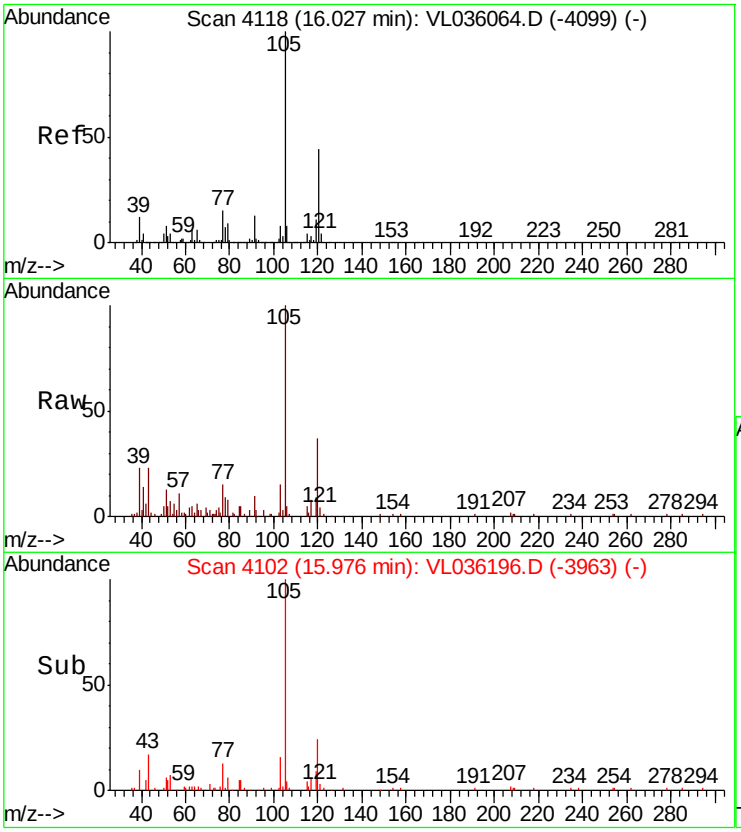


#72
4-Ethyltoluene
Concen: 0.165 ppbv
RT: 15.82 min Scan# 4052
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion:105 Resp: 40314

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.6	35.4#
91	36.5	11.4	17.0#
77	38.8	12.1	18.1#



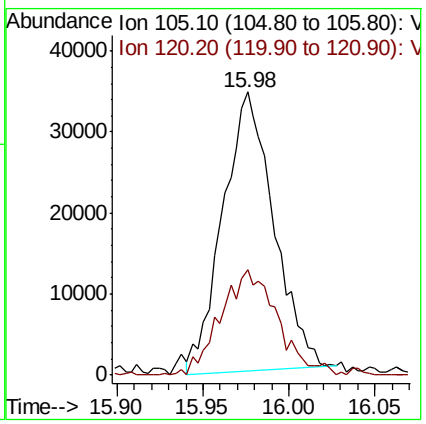


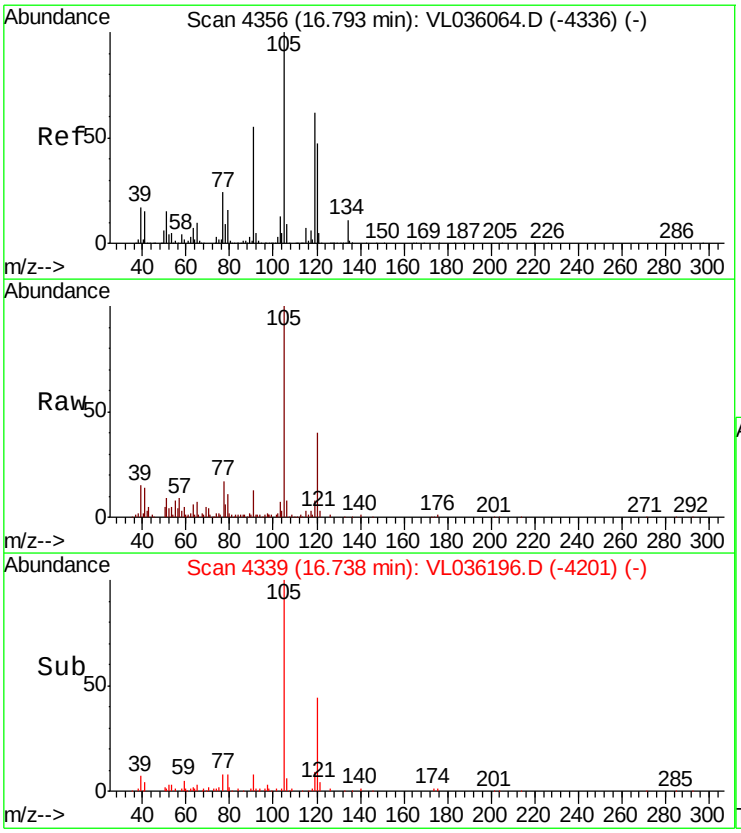
#73
1,3,5-Trimethylbenzene
Concen: 0.305 ppbv
RT: 15.98 min Scan# 4102
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion:105 Resp: 70995

Ion	Ratio	Lower	Upper
105	100		
120	38.4	35.4	53.2

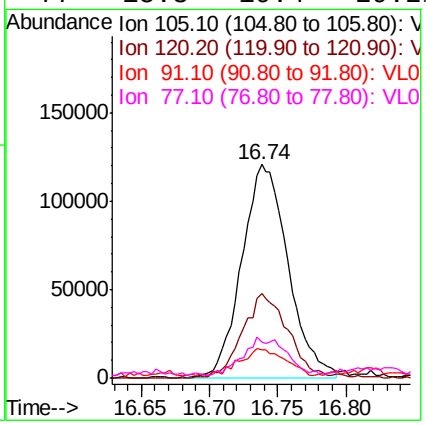


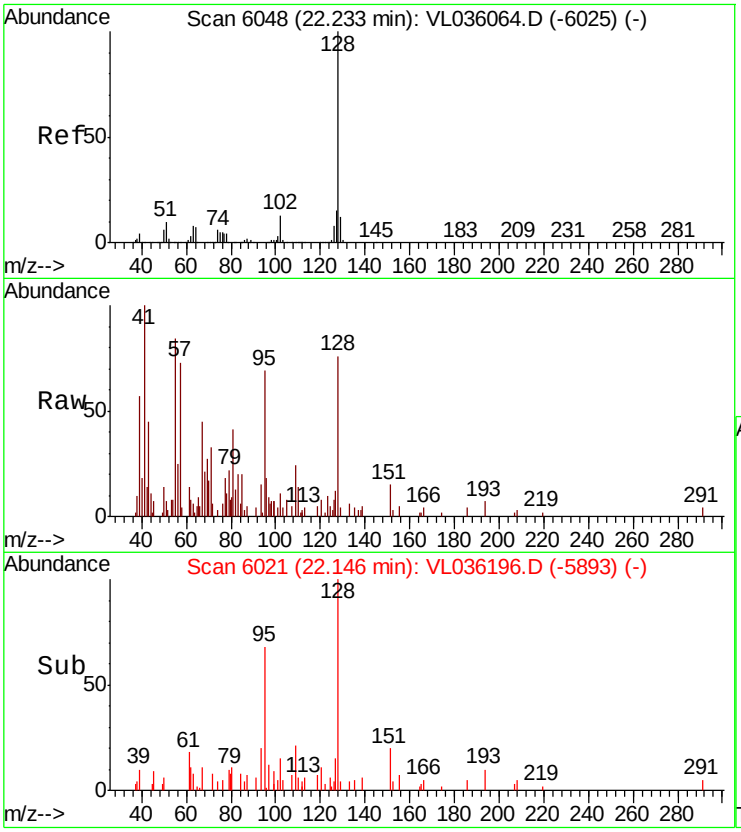


#74
1,2,4-Trimethylbenzene
Concen: 1.209 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion:105 Resp: 282499

Ion	Ratio	Lower	Upper
105	100		
120	39.7	37.4	56.0
91	12.1	45.6	68.4#
77	15.3	19.4	29.2#



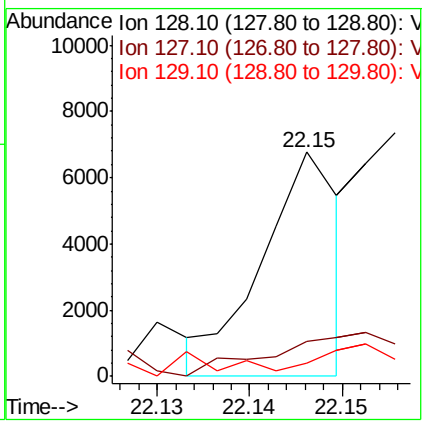


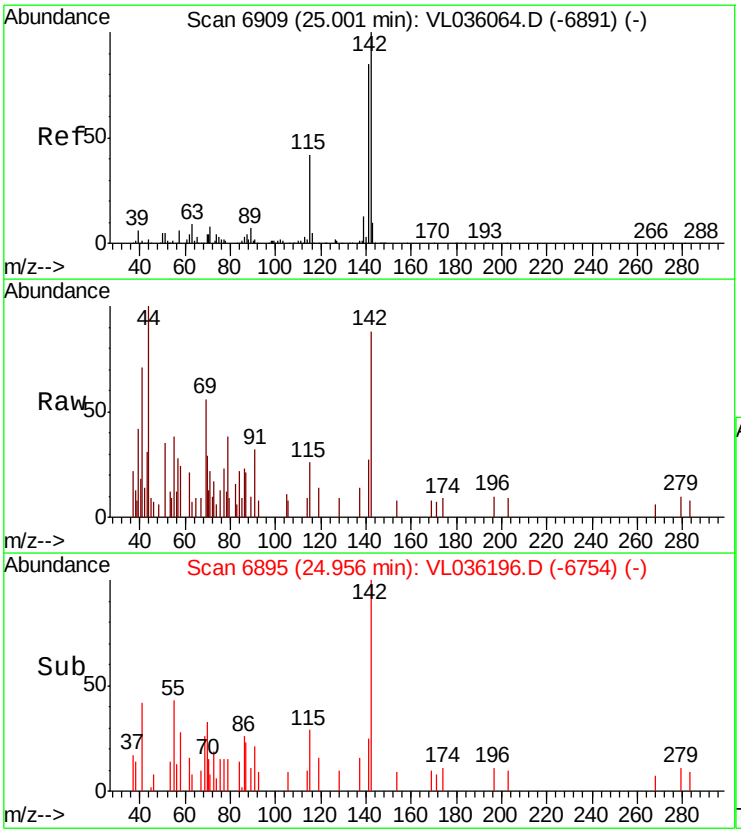
#79
Naphthalene
Concen: 0.033 ppbv
RT: 22.15 min Scan# 6021
Delta R.T. -0.09 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Instrument :
MSVOA_L
ClientSampleId :
SSSG2

Tgt Ion:128 Resp: 3928

Ion	Ratio	Lower	Upper
128	100		
127	18.5	11.7	17.5#
129	0.0	9.3	13.9#





#80
Naphthalene,2-methyl-
Concen: 0.148 ppbv
RT: 24.96 min Scan# 6895
Delta R.T. -0.05 min
Lab File: VL036196.D
Acq: 23 Dec 2020 17:33

Tgt Ion:142 Resp: 3929

Ion	Ratio	Lower	Upper
142	100		
141	71.3	64.3	96.5
115	47.7	33.9	50.9