Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041321\
Data File : VL036804.D
Acq On : 13 Apr 2021 15:40
Operator : SY/AP
Sample : M2018-04 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Apr 14 04:40:17 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	5.66	49	1347165	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3282266	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	2691027	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	1883871	8.78	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 87.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	10529	0.048	ppbv		91
3) Chlorodifluoromethane	2.99	51	7682	0.031	ppbv		93
9) Propene	3.02	41	67512	0.841	ppbv	#	78
10) Heptane	8.12	43	62448	0.305	ppbv	#	43
13) Ethanol	3.61	45	11021	1.153	ppbv	#	34
15) Acetone	3.85	43	1355216	10.221	ppbv		98
16) 1,3-Butadiene	3.30	39	5671	0.061	ppbv	#	27
17) tert-Butyl alcohol	4.31	59	14963	0.130	ppbv	#	72
19) Isopropyl Alcohol	3.98	45	35156	0.482	ppbv	#	89
20) Methylene Chloride	4.35	84	134423	2.165	ppbv		95
25) Ethyl Acetate	5.69	43	69250	0.220	ppbv	#	82
26) Hexane	5.68	57	89308	0.611	ppbv	#	45
27) Carbon Disulfide	4.55	76	33041	0.229	ppbv	#	59
34) 2-Butanone	5.26	43	30311	0.189	ppbv	#	64
39) 1,2-Dichloropropane	7.25	63	8966	0.073	ppbv	#	1
41) Tetrahydrofuran	6.04	42	2956	0.040	ppbv	#	65
53) Toluene	9.81	91	77515	0.240	ppbv		96
59) m/p-Xylene	12.99	91	12992	0.038	ppbv	#	32
61) Styrene	13.53	104	15522	0.093	ppbv	#	26
62) Isopropylbenzene	14.67	105	874980	1.968	ppbv		100

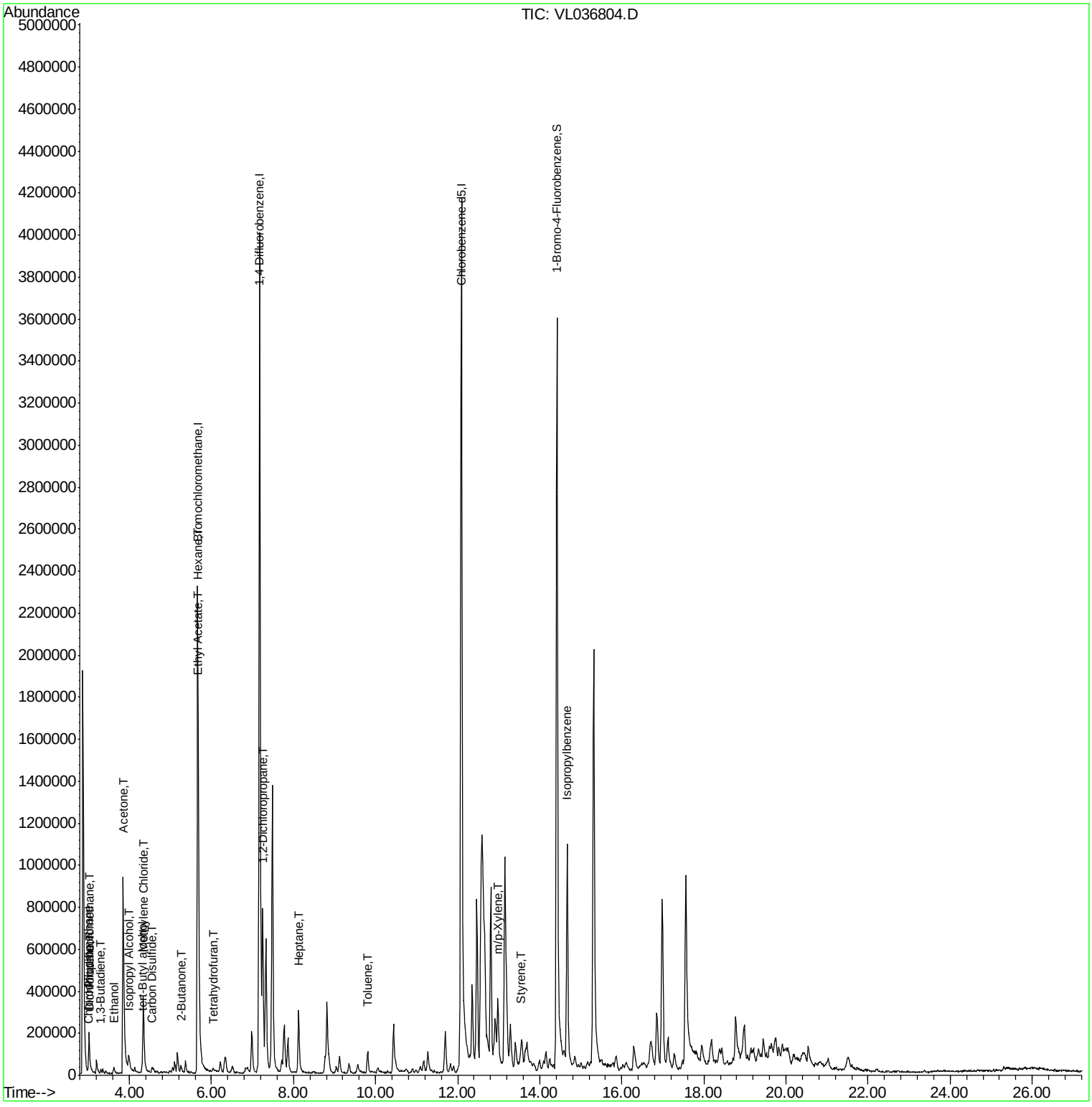
(#) = qualifier out of range (m) = manual integration (+) = signals summed

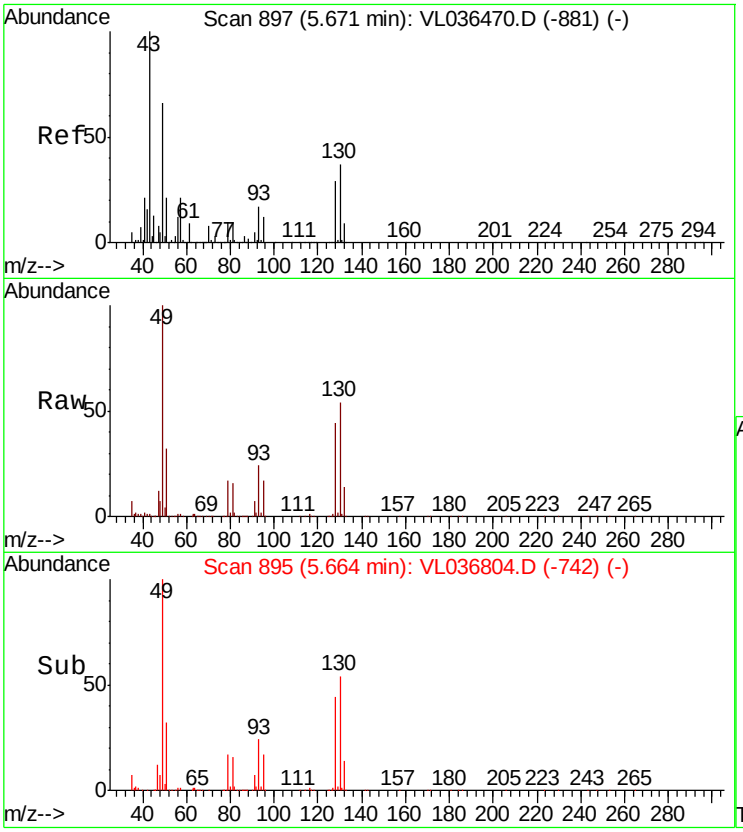
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041321\
Data File : VL036804.D
Acq On : 13 Apr 2021 15:40
Operator : SY/AP
Sample : M2018-04 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 14 04:40:17 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



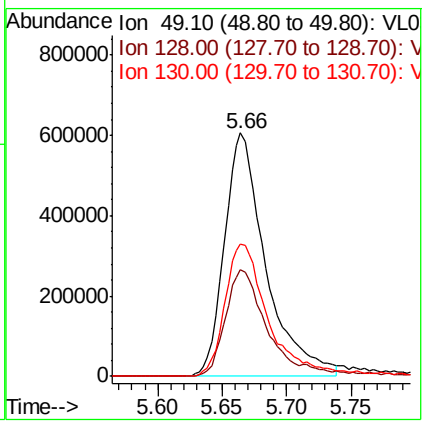


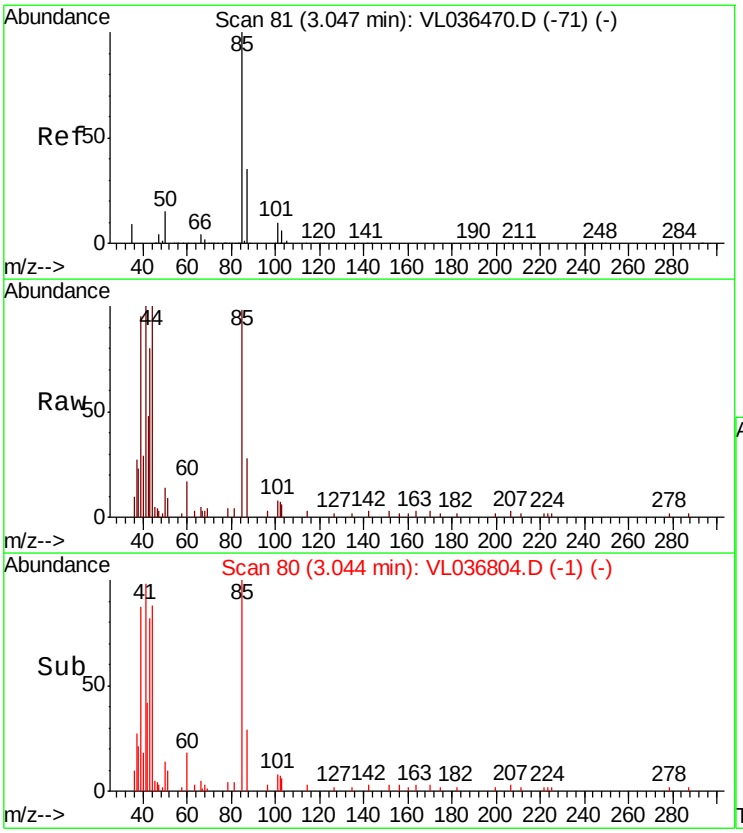
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1347165

Ion	Ratio	Lower	Upper
49	100		
128	46.1	23.5	70.6
130	58.6	29.1	87.4

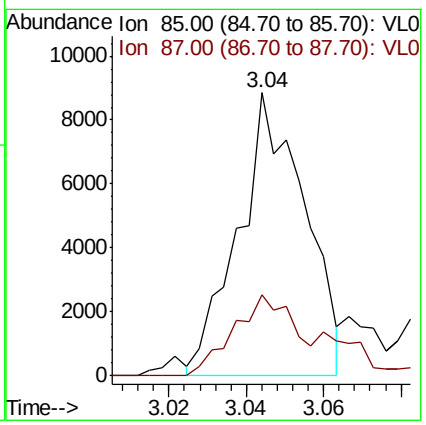


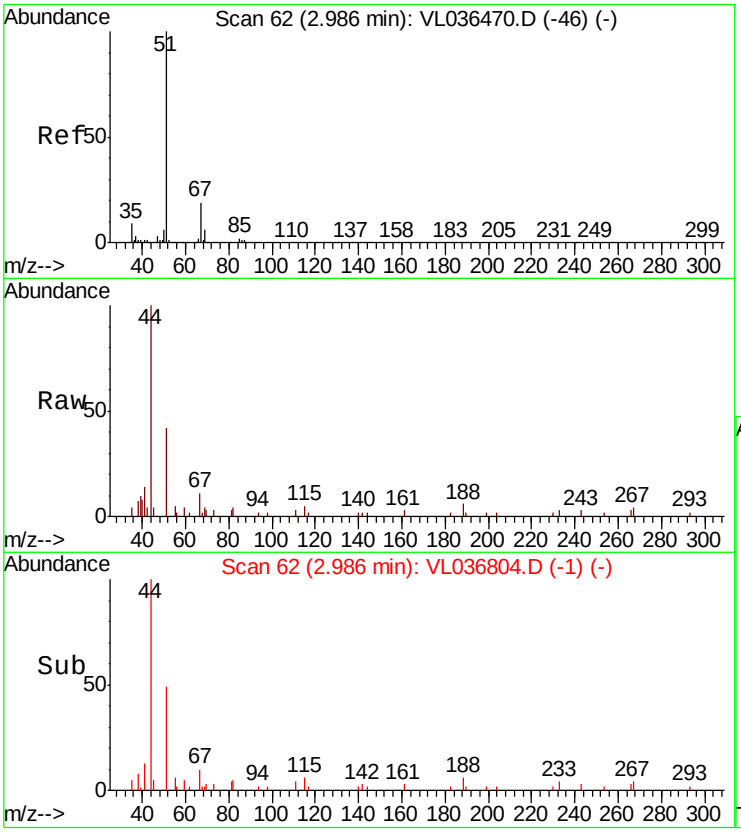


#2
Dichlorodifluoromethane
Concen: 0.048 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 85 Resp: 10529

Ion	Ratio	Lower	Upper
85	100		
87	29.8	27.8	41.8



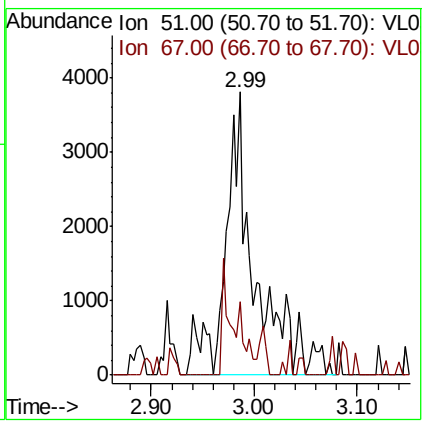


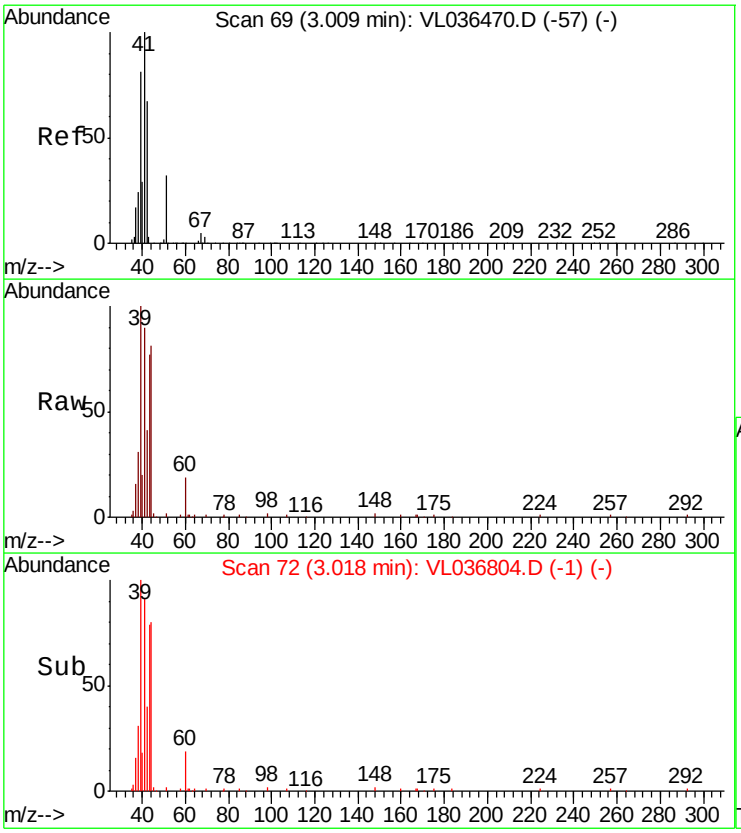
#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 7682

Ion	Ratio	Lower	Upper
51	100		
67	21.4	14.7	22.1

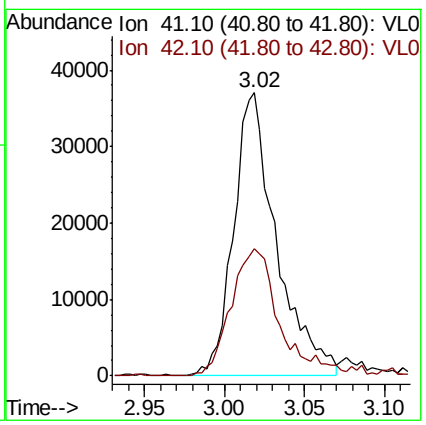


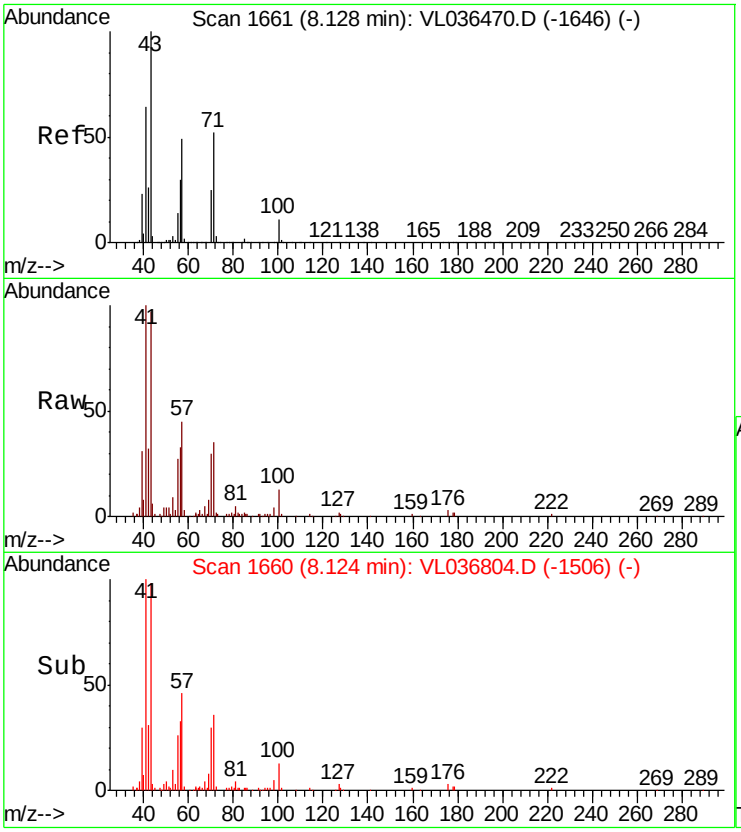


#9
Propene
Concen: 0.841 ppbv
RT: 3.02 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 41 Resp: 67512

Ion	Ratio	Lower	Upper
41	100		
42	53.0	57.0	85.4#



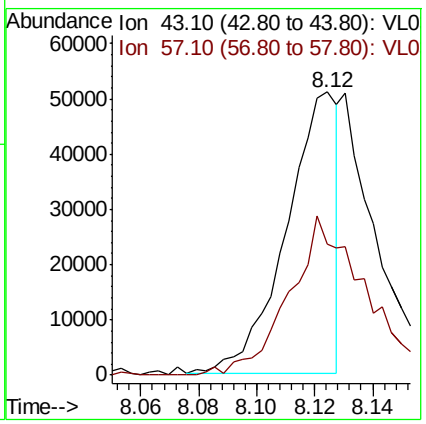


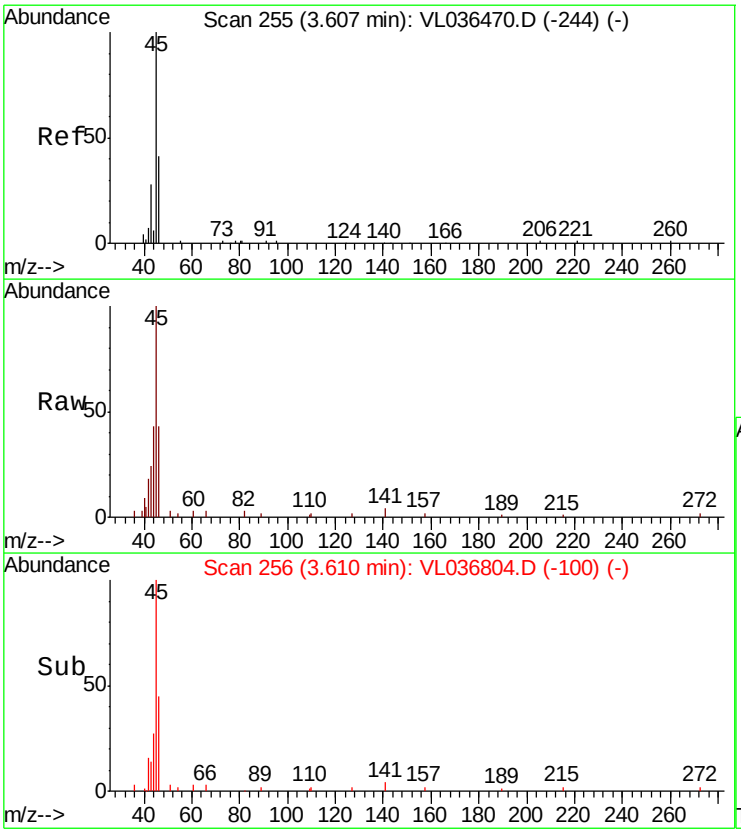
#10
Heptane
Concen: 0.305 ppbv
RT: 8.12
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 62448

Ion	Ratio	Lower	Upper
43	100		
57	87.9	39.0	58.6#

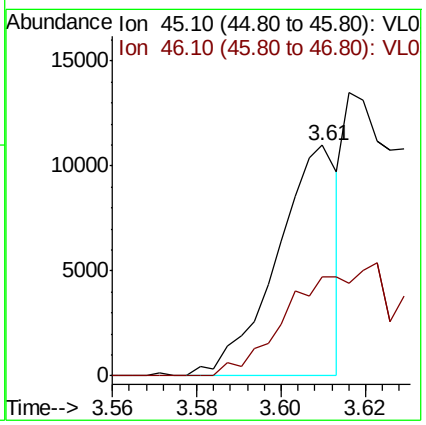


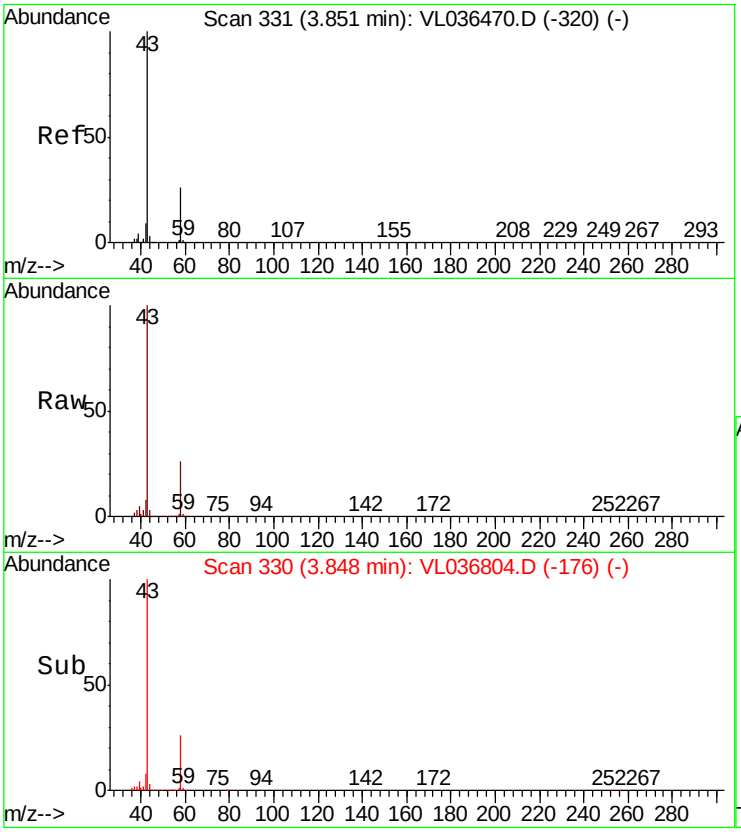


#13
Ethanol
Concen: 1.153 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 45 Resp: 11021

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.6	66.2#



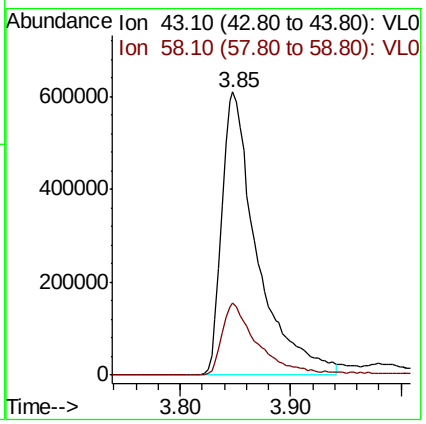


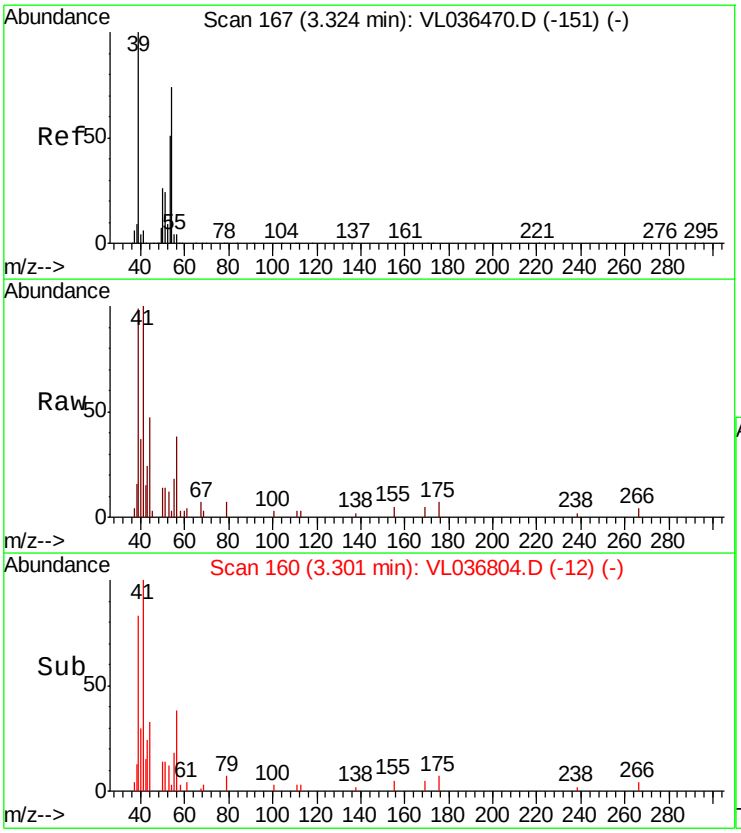
#15
Acetone
Concen: 10.221 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1355216

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8

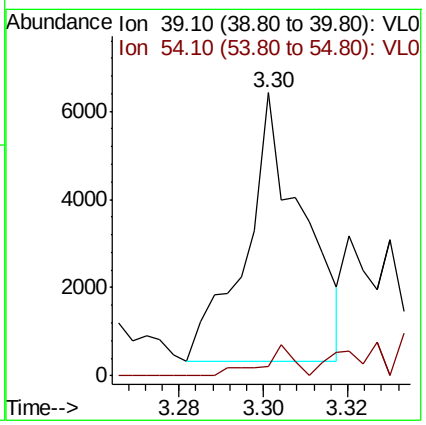


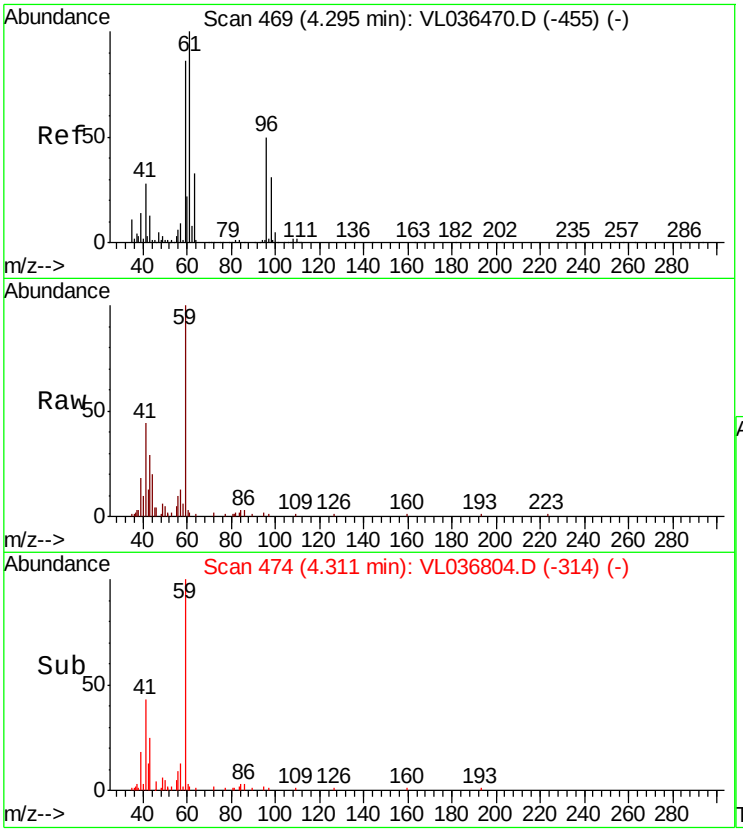


#16
1,3-Butadiene
Concen: 0.061 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.02 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 39 Resp: 5671

Ion	Ratio	Lower	Upper
39	100		
54	11.7	58.8	88.2#



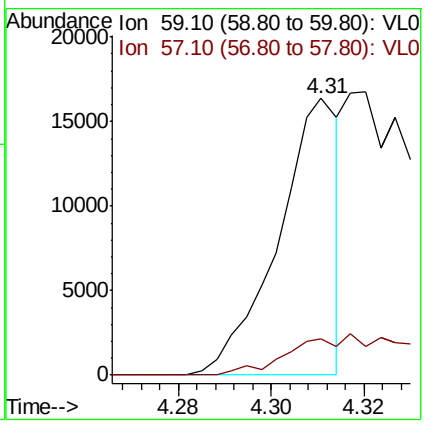


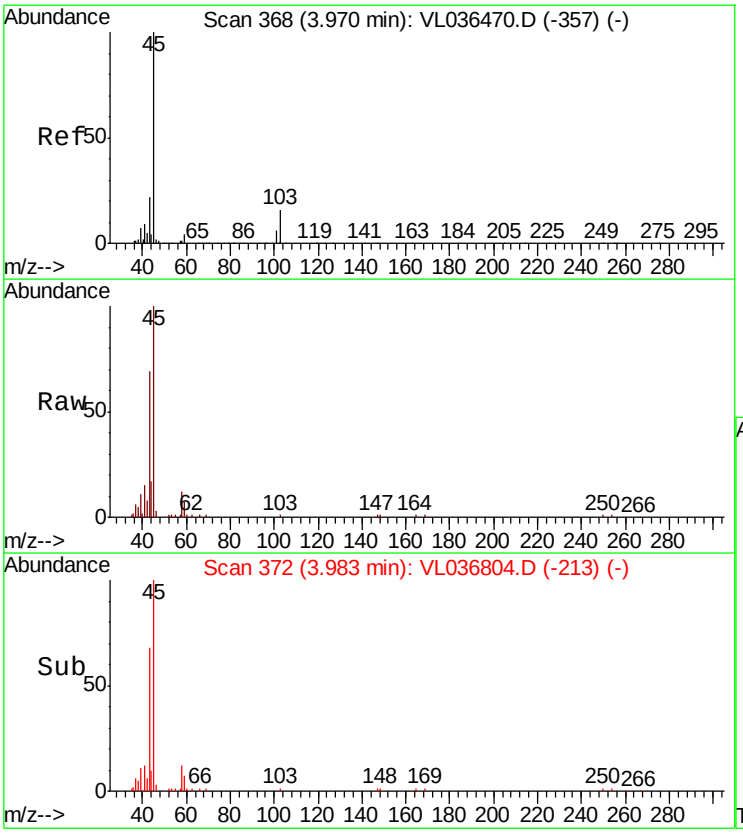
#17
tert-Butyl alcohol
Concen: 0.130 ppbv
RT: 4.31
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 14963

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.6	12.8#

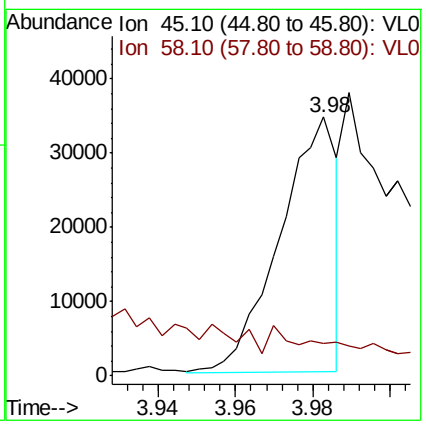


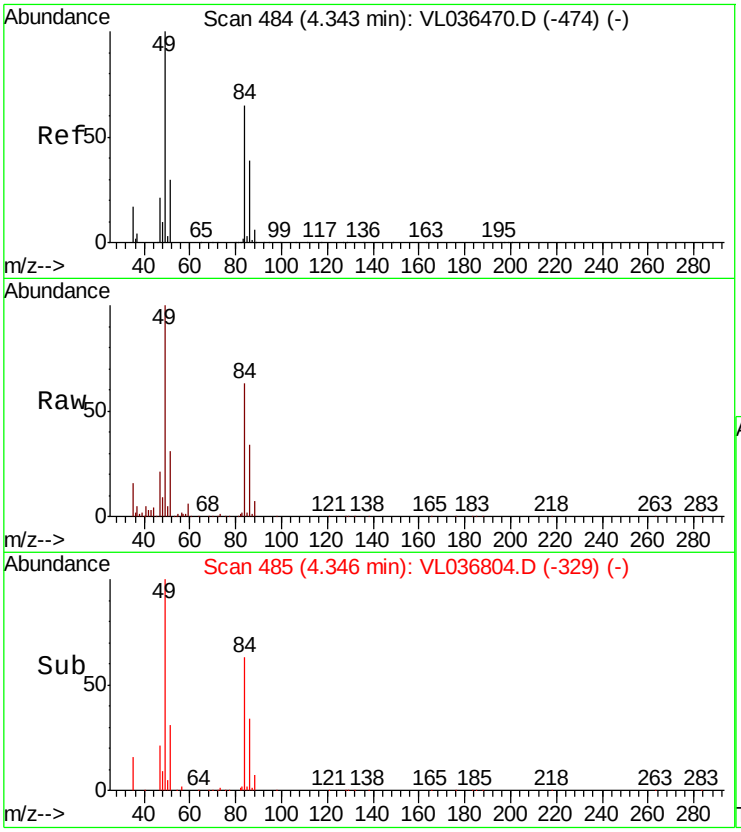


#19
Isopropyl Alcohol
Concen: 0.482 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.01 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 45 Resp: 35156

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.9	4.3#



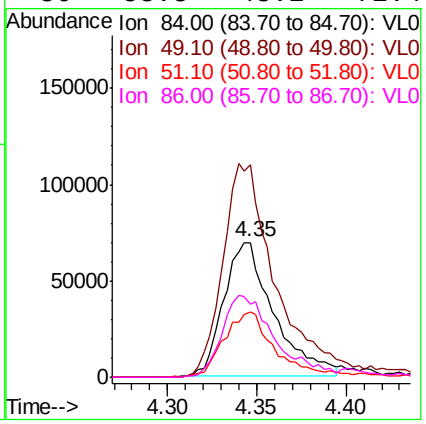


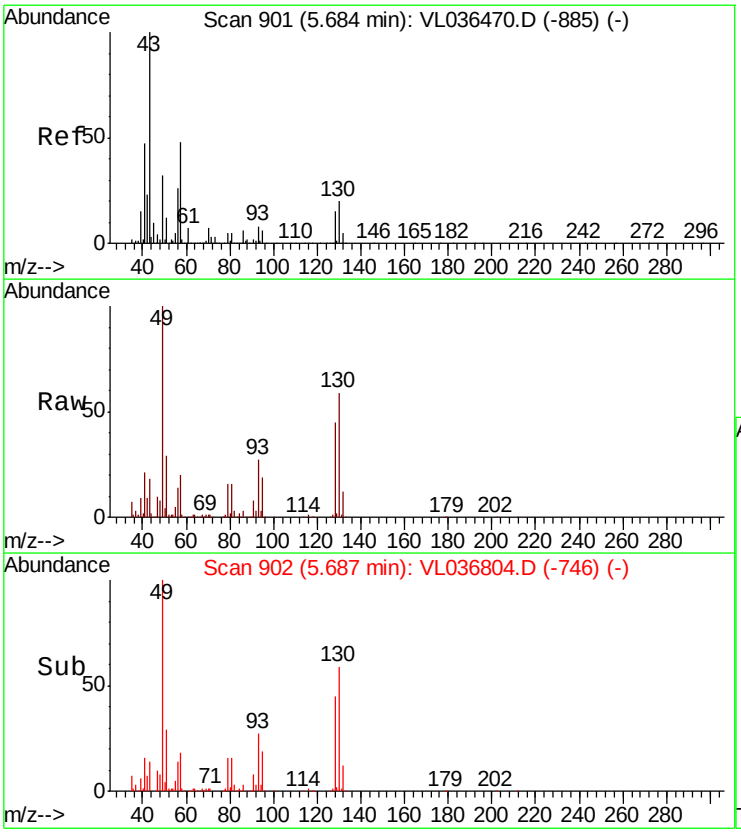
#20
Methylene Chloride
Concen: 2.165 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 134423

Ion	Ratio	Lower	Upper
84	100		
49	158.5	122.9	184.3
51	48.7	36.9	55.3
86	53.8	48.2	72.4

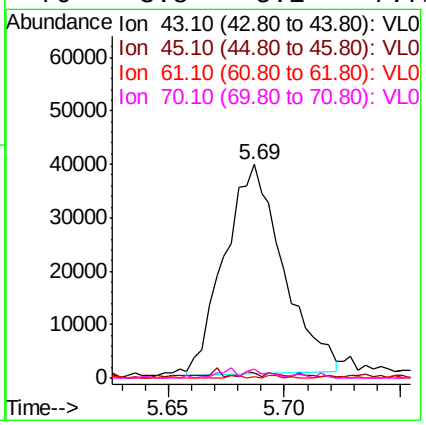


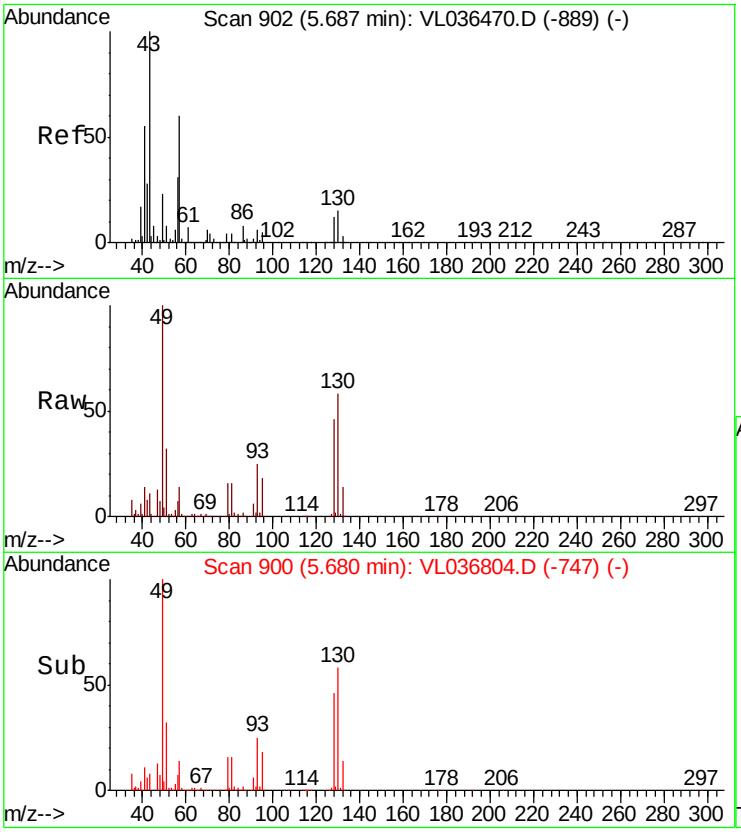


#25
Ethyl Acetate
Concen: 0.220 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 43 Resp: 69250

Ion	Ratio	Lower	Upper
43	100		
45	2.5	7.9	11.9#
61	0.6	7.4	11.2#
70	3.8	5.1	7.7#



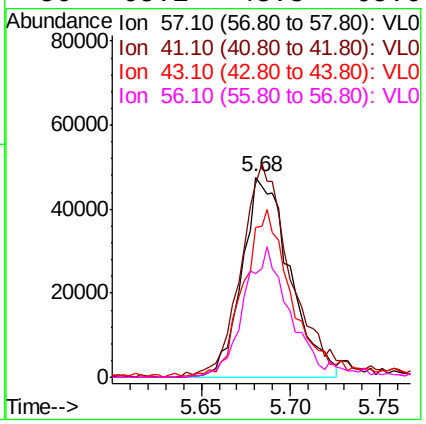


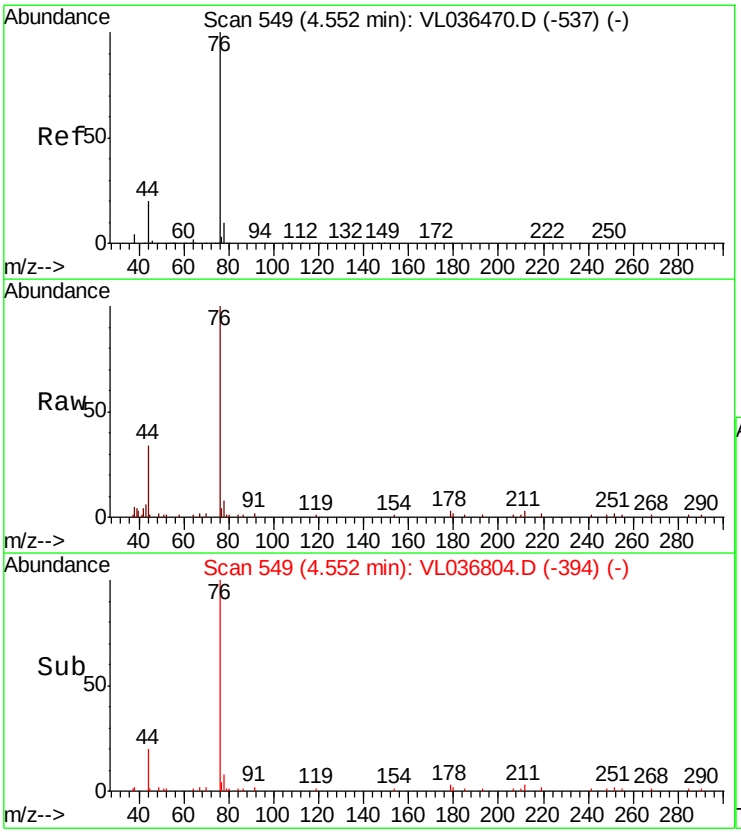
#26
Hexane
Concen: 0.611 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 89308

Ion	Ratio	Lower	Upper
57	100		
41	119.0	77.2	115.8#
43	91.3	173.8	260.6#
56	65.1	43.8	65.6

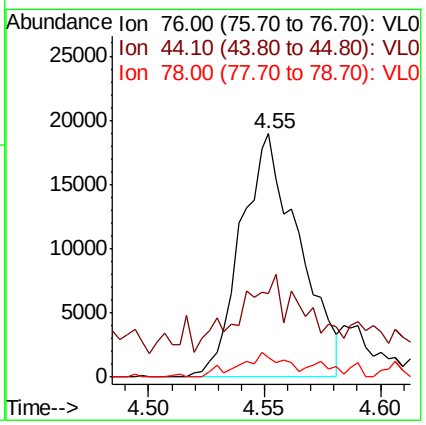


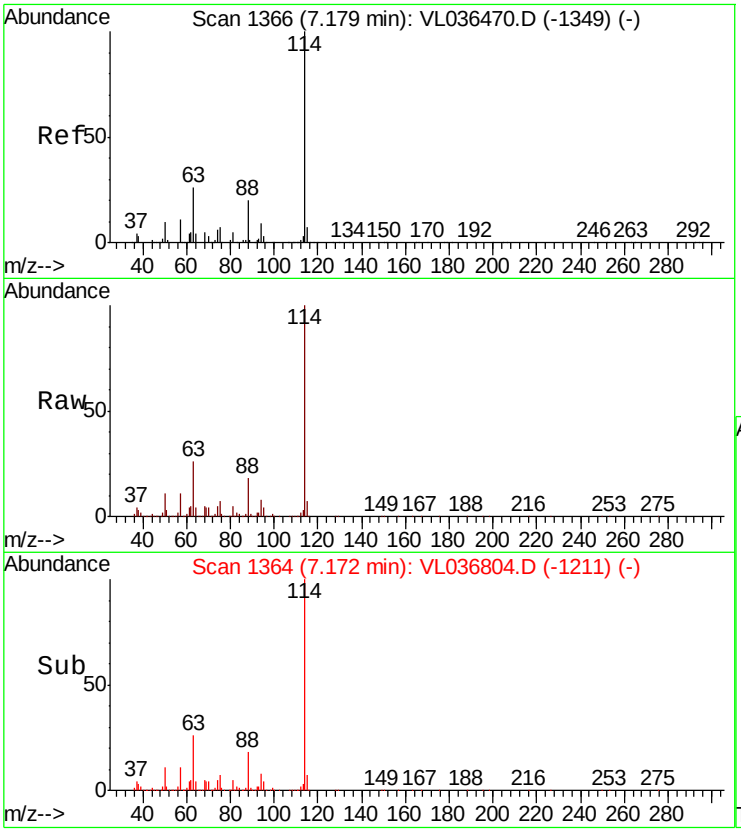


#27
Carbon Disulfide
Concen: 0.229 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 76 Resp: 33041

Ion	Ratio	Lower	Upper
76	100		
44	50.4	17.5	26.3#
78	11.8	8.6	13.0



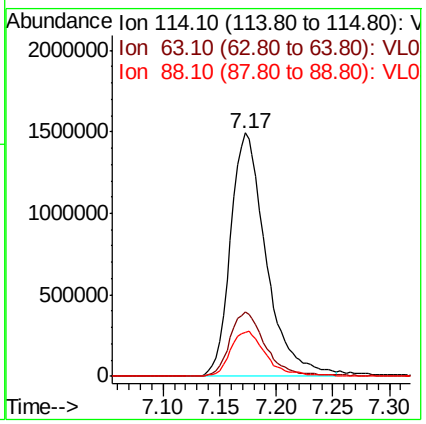


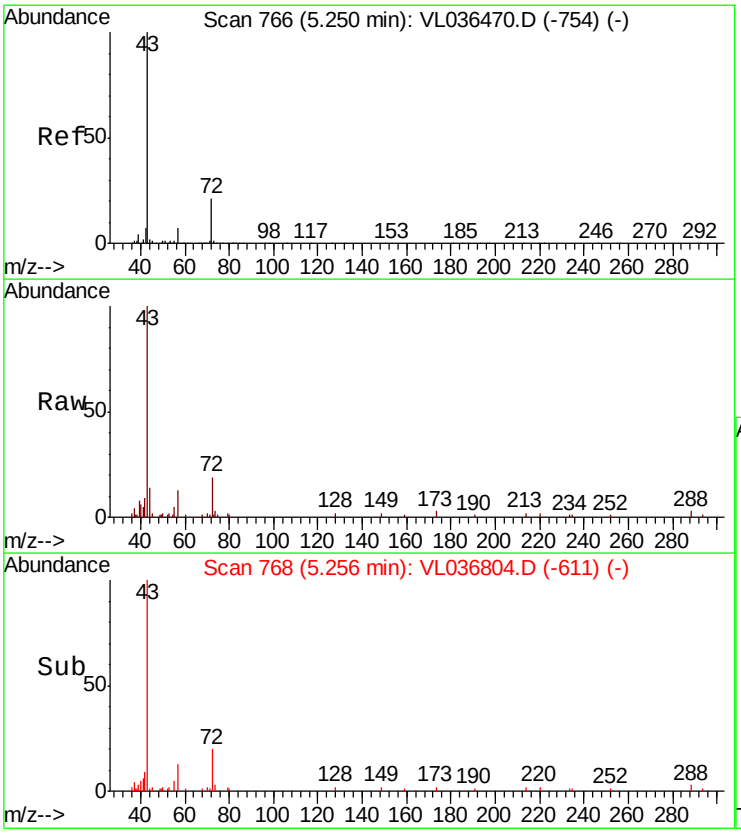
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3282266

Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.4	33.6
88	18.8	15.4	23.0

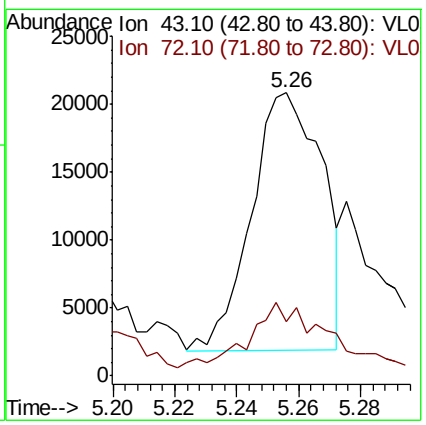


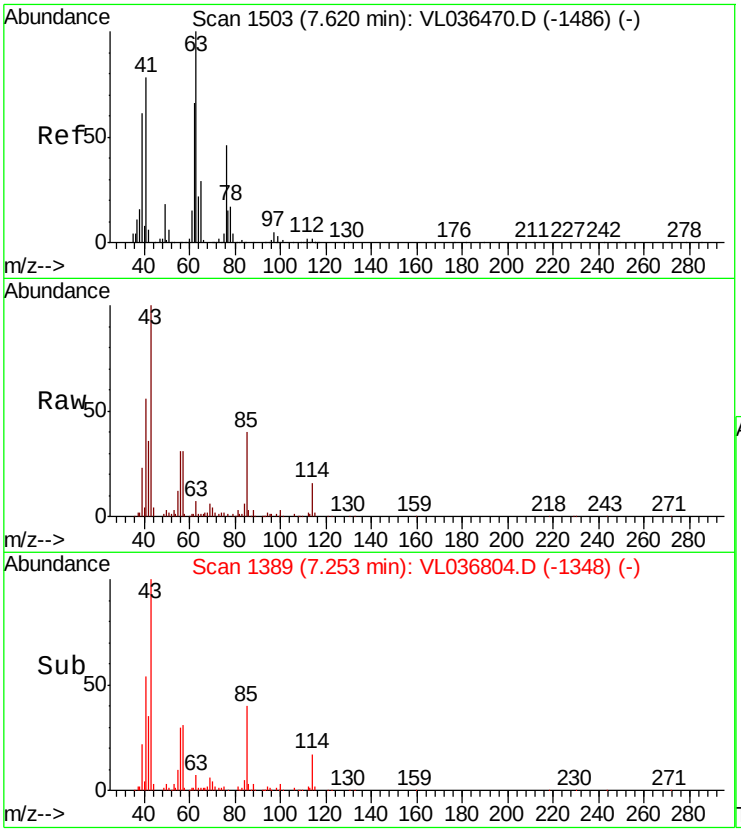


#34
2-Butanone
Concen: 0.189 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 43 Resp: 30311

Ion	Ratio	Lower	Upper
43	100		
72	38.3	17.0	25.6#



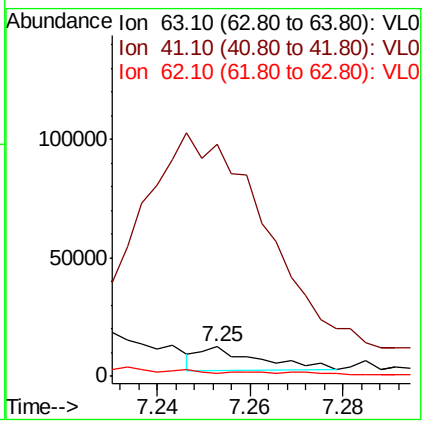


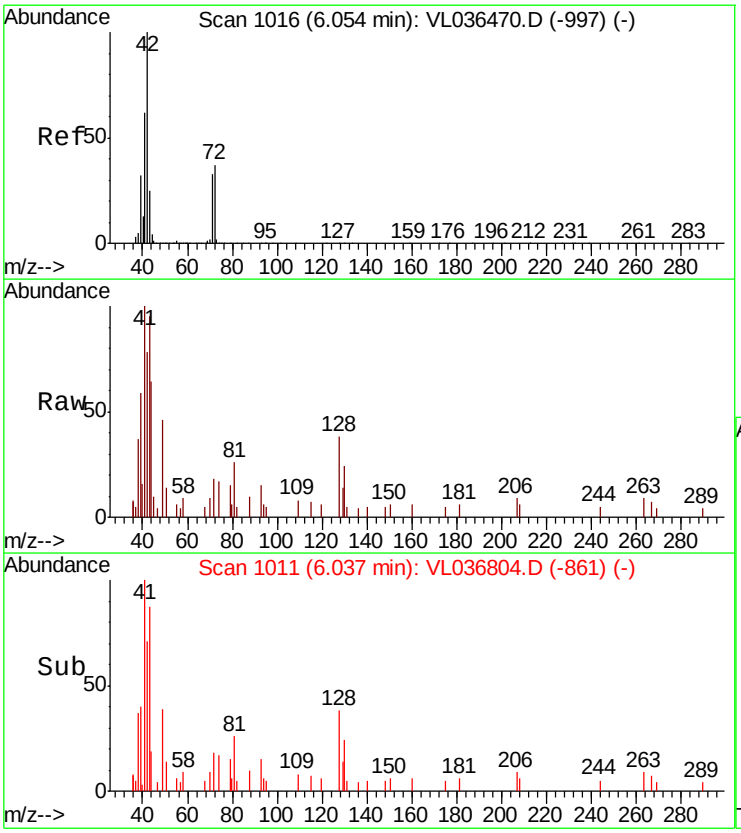
#39
1,2-Dichloropropane
Concen: 0.073 ppbv
RT: 7.25
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 8966

Ion	Ratio	Lower	Upper
63	100		
41	823.2	62.4	93.6#
62	4.4	52.8	79.2#

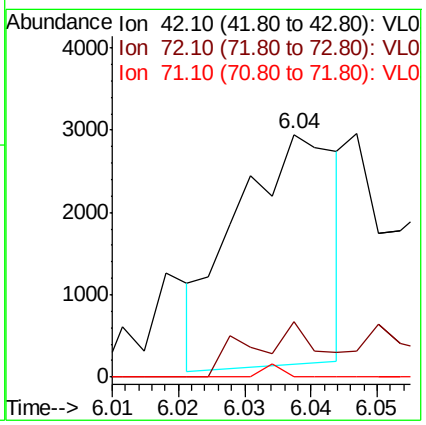


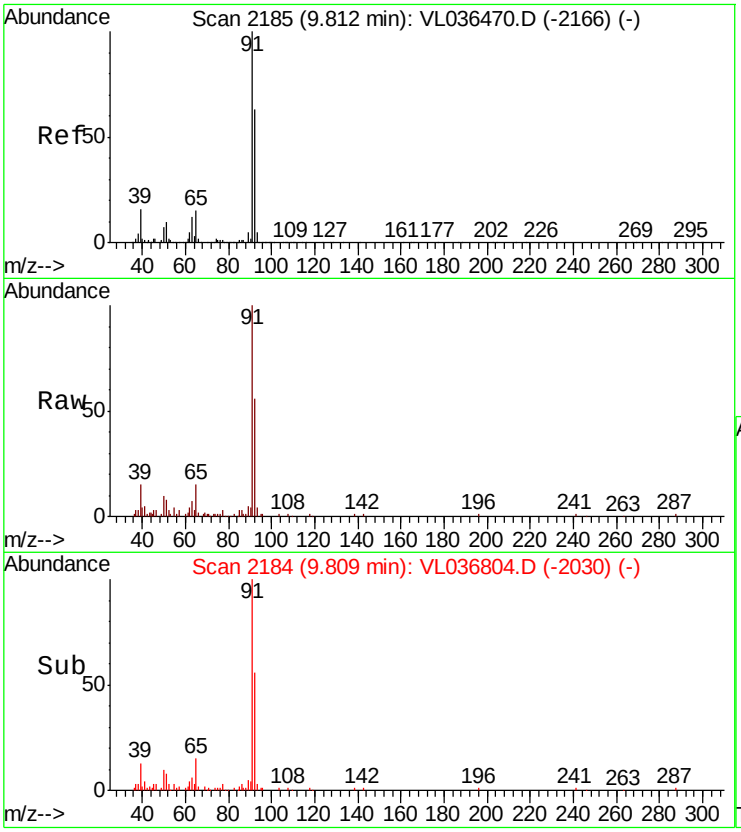


#41
Tetrahydrofuran
Concen: 0.040 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 42 Resp: 2956

Ion	Ratio	Lower	Upper
42	100		
72	41.4	27.6	41.4#
71	0.0	27.0	40.4#



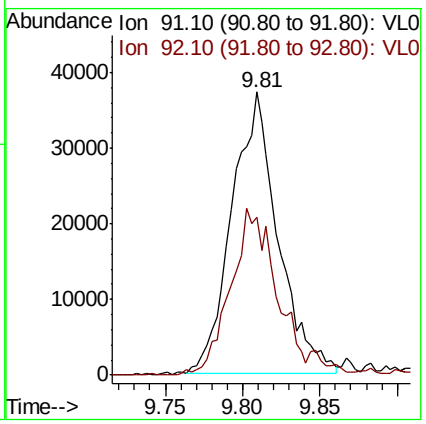


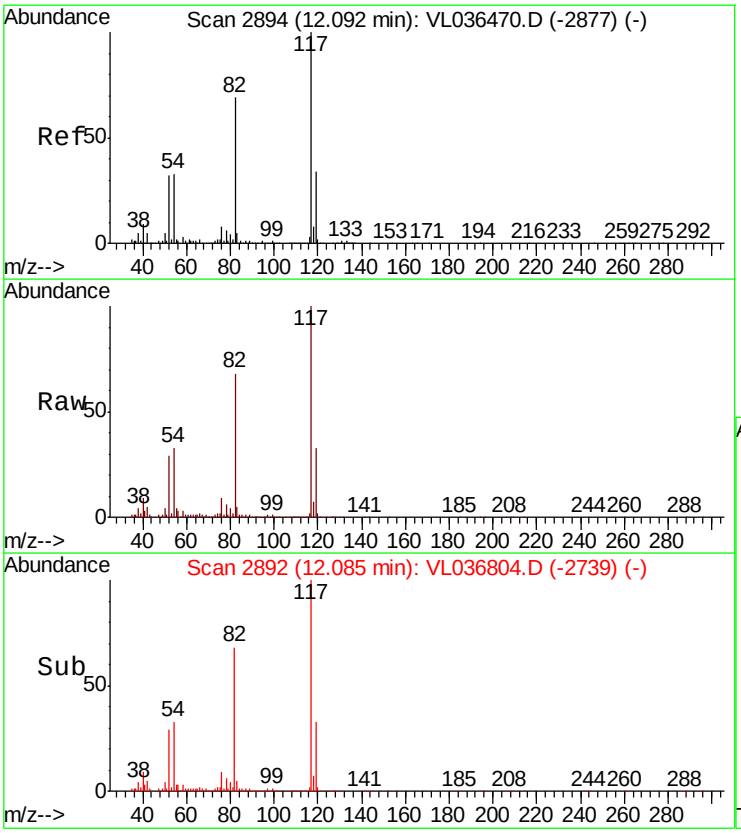
#53
Toluene
Concen: 0.240 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 77515

Ion	Ratio	Lower	Upper
91	100		
92	64.0	48.8	73.2

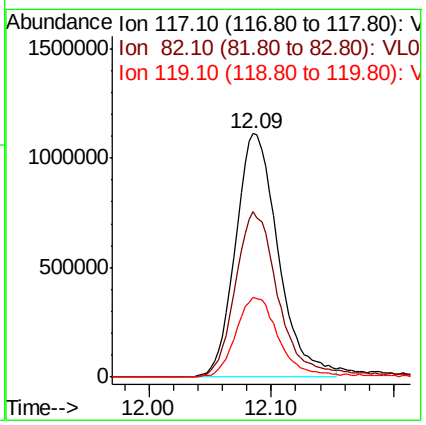


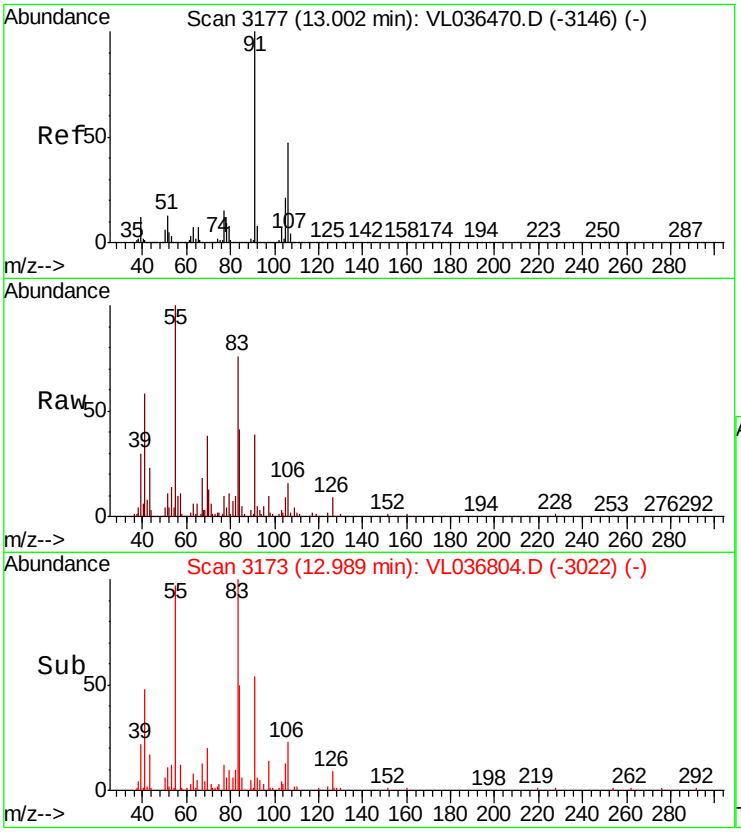


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion:117 Resp: 2691027

Ion	Ratio	Lower	Upper
117	100		
82	71.2	57.4	86.0
119	33.9	47.4	71.0#



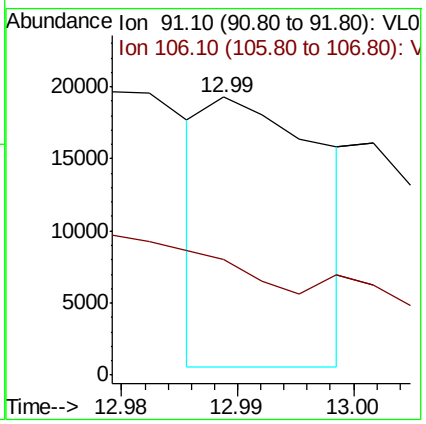


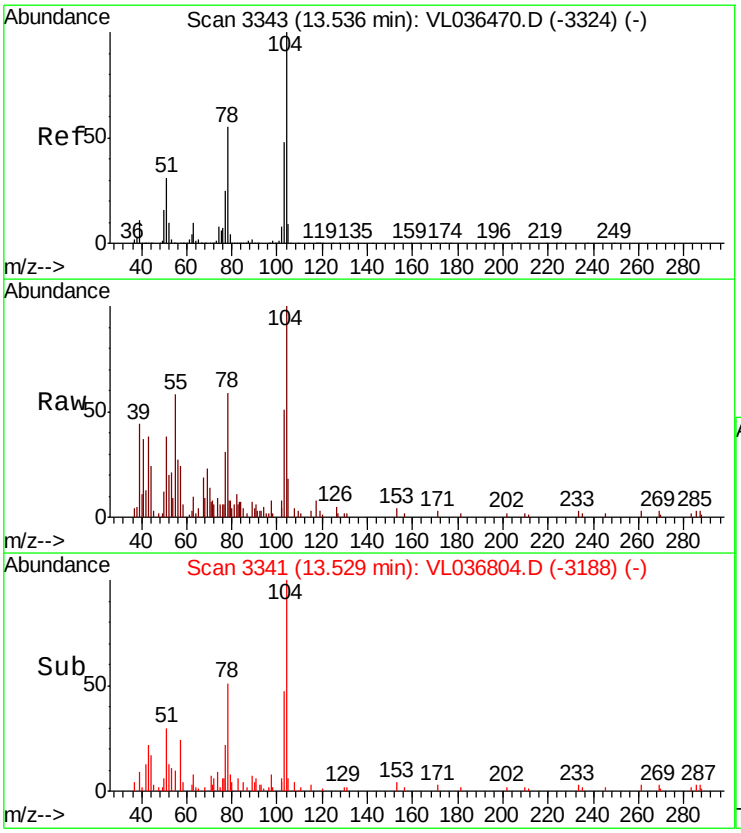
#59
m/p-Xylene
Concen: 0.038 ppbv
RT: 12.99
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 12992

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.3	52.9#

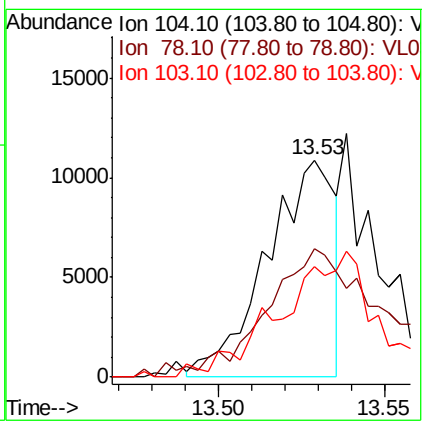


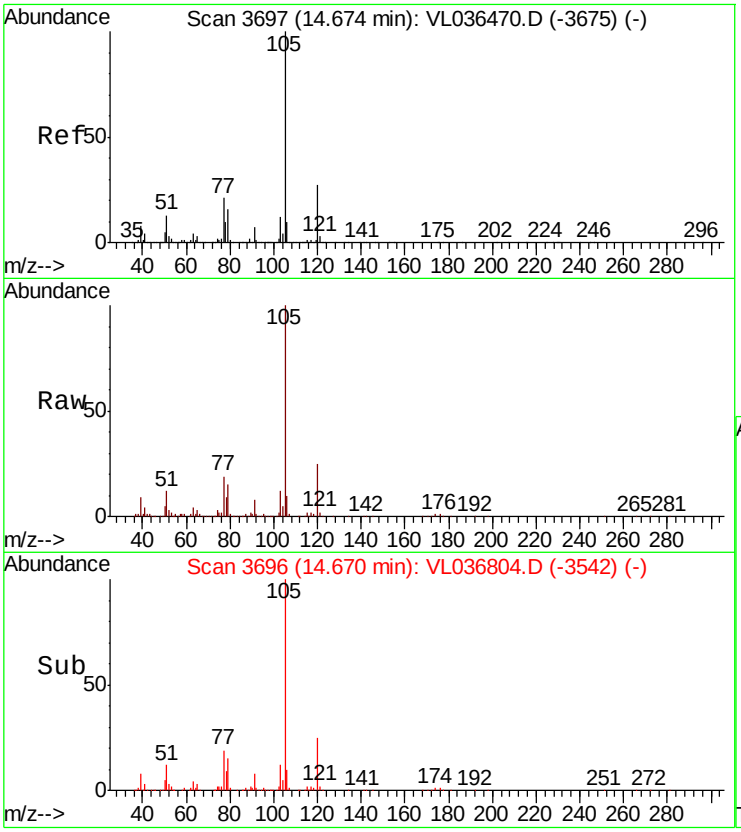


#61
Styrene
Concen: 0.093 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion:104 Resp: 15522

Ion	Ratio	Lower	Upper
104	100		
78	110.0	43.8	65.8#
103	0.0	38.3	57.5#



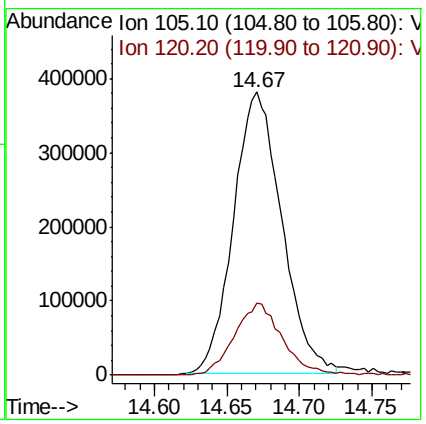


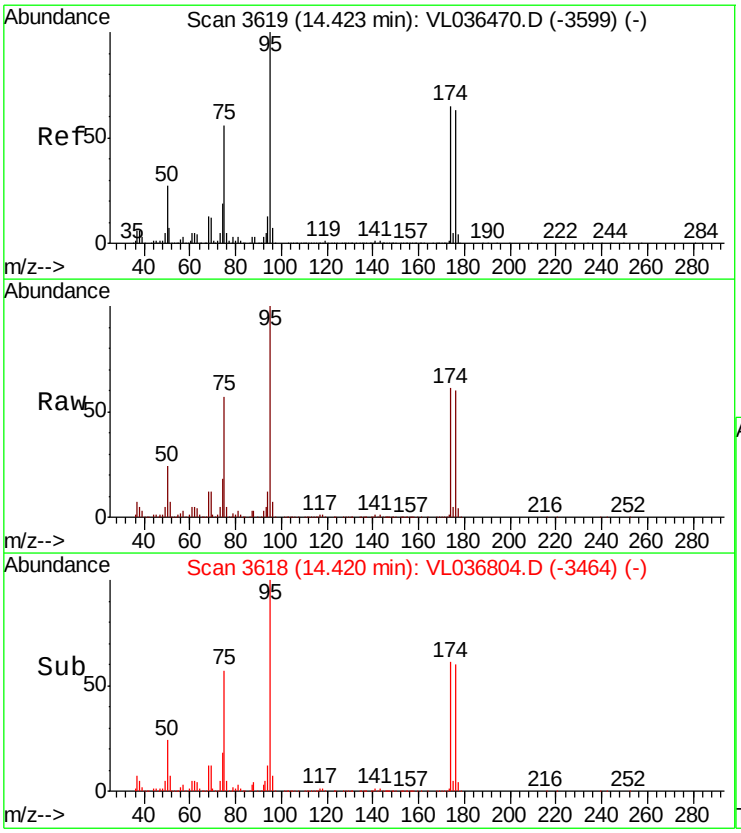
#62
Isopropylbenzene
Concen: 1.968 ppbv
RT: 14.67
Delta R.T
Lab File:
Acq: 13 Apr 2021 15:40

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 874980

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	31.0





#68
1-Bromo-4-Fluorobenzene
Concen: 8.784 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VL036804.D
Acq: 13 Apr 2021 15:40

Tgt Ion: 95 Resp: 1883871

Ion	Ratio	Lower	Upper
95	100		
174	66.3	51.0	76.6
175	4.6	3.9	5.9