Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081820\
Data File : VL035449.D
Acq On : 18 Aug 2020 19:49
Operator : SY/AP
Sample : L3725-02DUPDL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Aug 19 02:44:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 17 19:28:30 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1137605	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	5241632	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	5140736	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	3727767	10.36	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	14133	0.067	ppbv		95
3) Chlorodifluoromethane	3.03	51	67393	0.472	ppbv	#	68
9) Propene	3.02	41	7808	0.136	ppbv	#	75
11) Trichlorofluoromethane	3.96	101	47519	0.144	ppbv		97
13) Ethanol	3.61	45	2986506	142.179	ppbv		97
15) Acetone	3.86	43	563490	4.303	ppbv	#	81
17) tert-Butyl alcohol	4.32	59	60033	0.355	ppbv		99
19) Isopropyl Alcohol	4.00	45	47793	0.530	ppbv	#	1
20) Methylene Chloride	4.35	84	100099	0.947	ppbv	#	63
25) Ethyl Acetate	5.70	43	27402	0.108	ppbv	#	81
26) Hexane	5.70	57	47116	0.328	ppbv	#	32
27) Carbon Disulfide	4.56	76	62439	0.300	ppbv	#	91
29) Chloroform	5.76	83	64037	0.222	ppbv		93
34) 2-Butanone	5.26	43	76881	0.439	ppbv	#	70
36) Benzene	6.90	78	13259	0.034	ppbv		96
39) 1,2-Dichloropropane	7.19	63	908681	7.167	ppbv	#	23
50) 4-Methyl-2-Pentanone	8.77	43	16894	0.067	ppbv	#	39
53) Toluene	9.83	91	113084	0.228	ppbv		95
58) Ethyl Benzene	12.73	91	29336	0.047	ppbv		92
59) m/p-Xylene	13.02	91	22783	0.043	ppbv	#	33
60) o-Xylene	13.72	91	24138	0.047	ppbv	#	40
72) 4-Ethyltoluene	15.87	105	21659	0.032	ppbv	#	60
73) 1,3,5-Trimethylbenzene	16.02	105	34210	0.055	ppbv		99
74) 1,2,4-Trimethylbenzene	16.80	105	65177	0.096	ppbv	#	71
79) Naphthalene	22.25	128	74145	0.078	ppbv		99
80) Naphthalene,2-methyl-	25.01	142	18353	0.047	ppbv		98

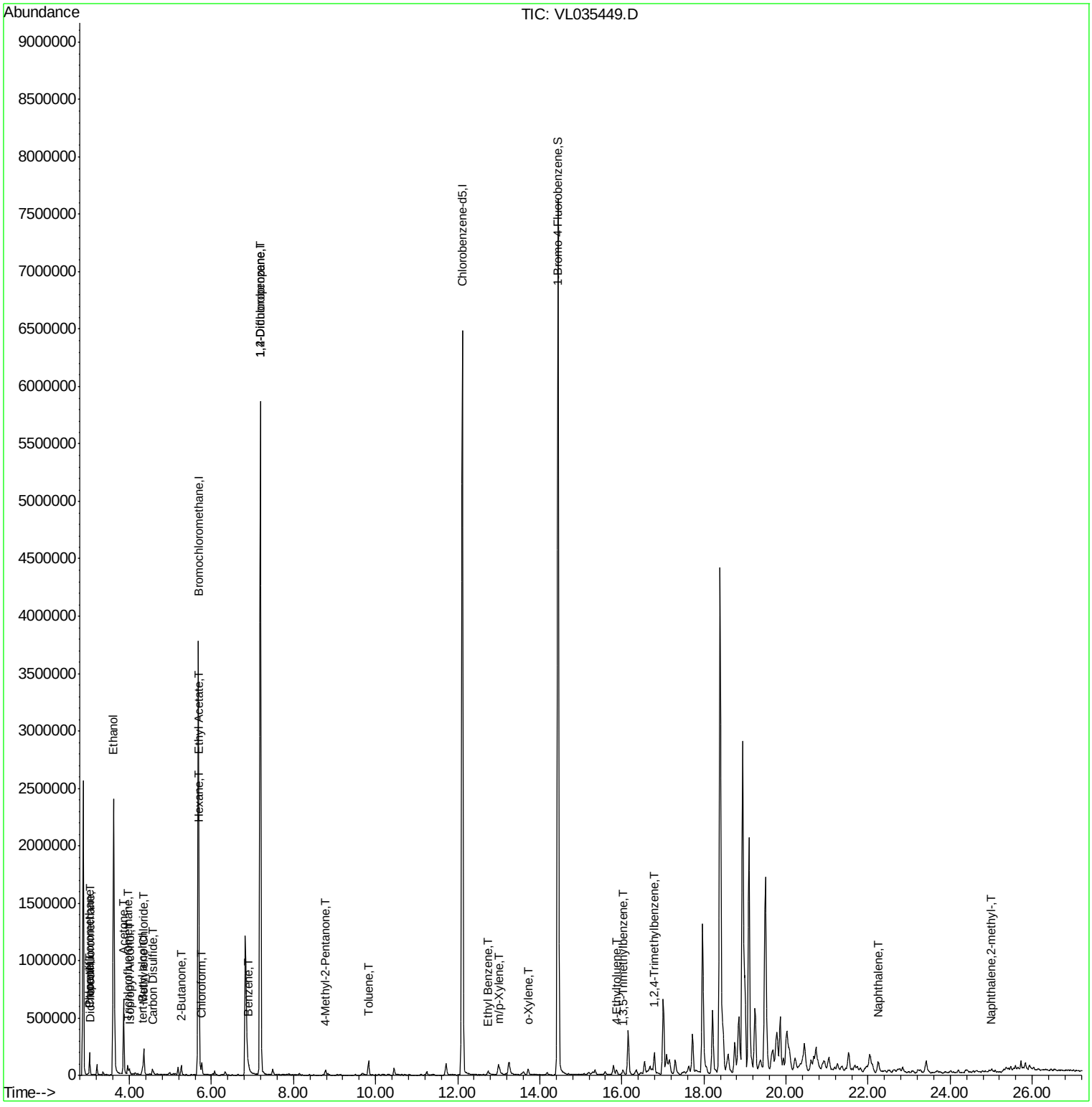
(#) = qualifier out of range (m) = manual integration (+) = signals summed

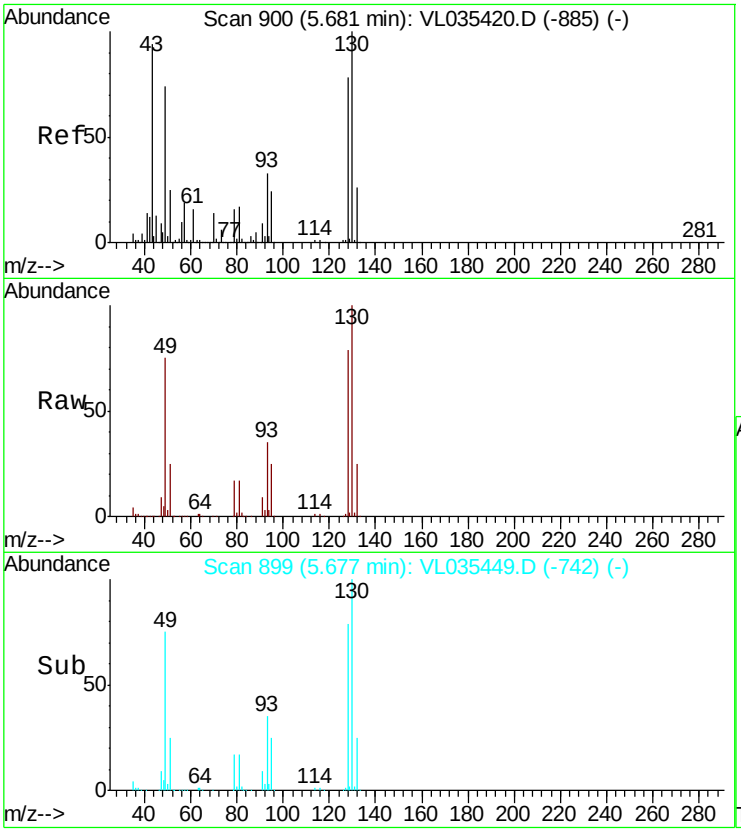
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081820\
Data File : VL035449.D
Acq On : 18 Aug 2020 19:49
Operator : SY/AP
Sample : L3725-02DUPDL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Aug 19 02:44:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 17 19:28:30 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration



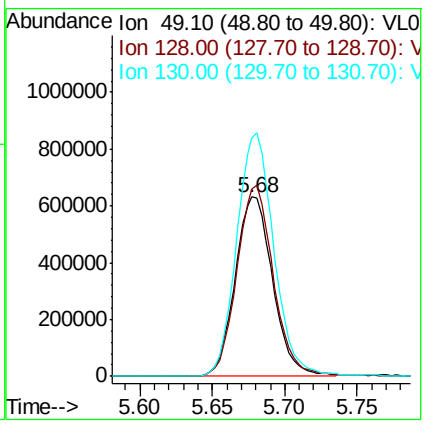


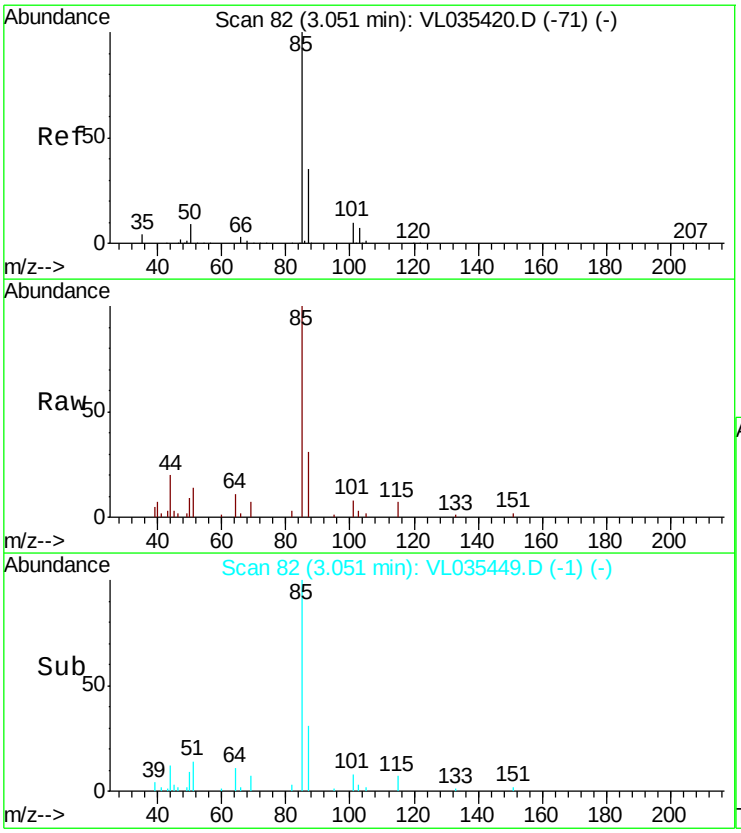
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1137605

Ion	Ratio	Lower	Upper
49	100		
128	104.5	20.9	62.7#
130	135.6	26.7	80.1#

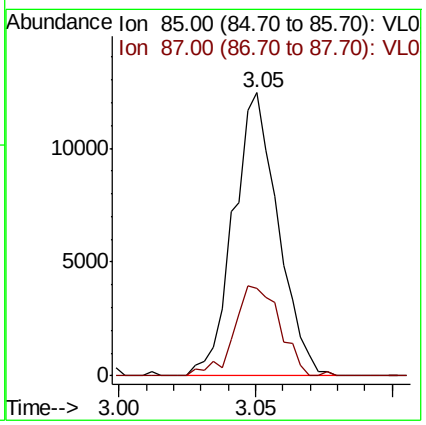


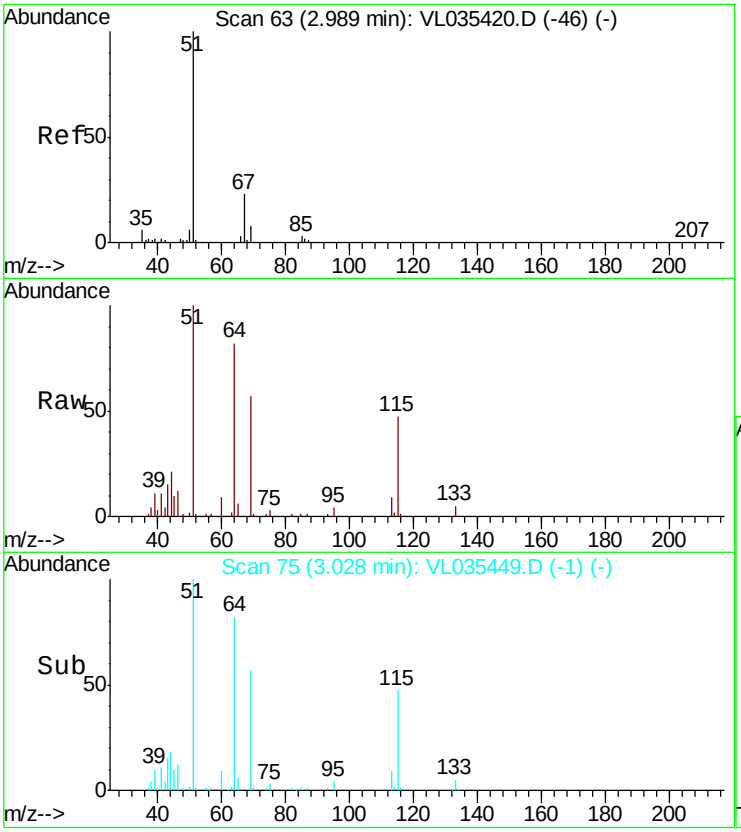


#2
Dichlorodifluoromethane
Concen: 0.067 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 85 Resp: 14133

Ion	Ratio	Lower	Upper
85	100		
87	30.9	27.1	40.7

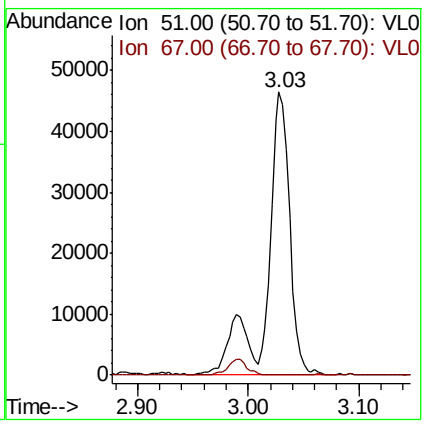




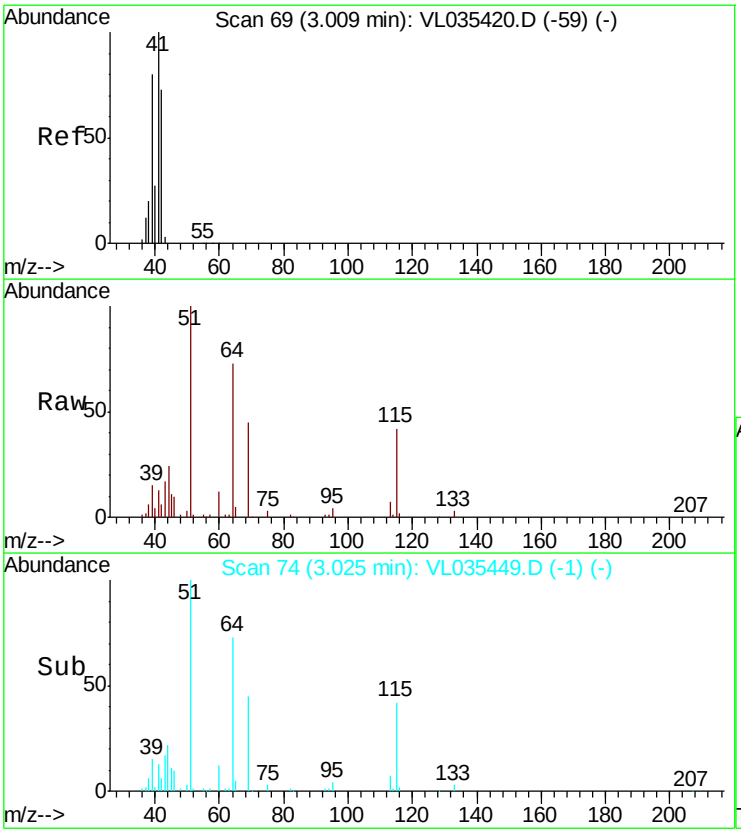
#3
Chlorodifluoromethane
Concen: 0.472 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.05 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 51 Resp: 67393

Ion	Ratio	Lower	Upper
51	100		
67	4.6	15.0	22.6#



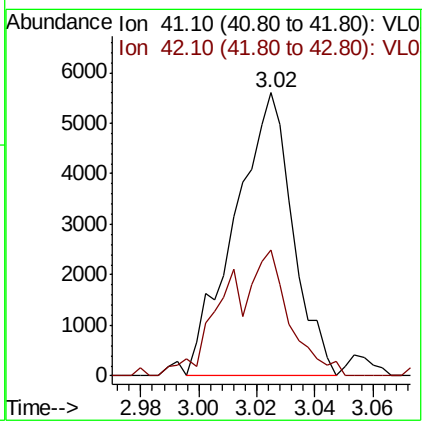
Instrument :
MSVOA_L
ClientSampleId :

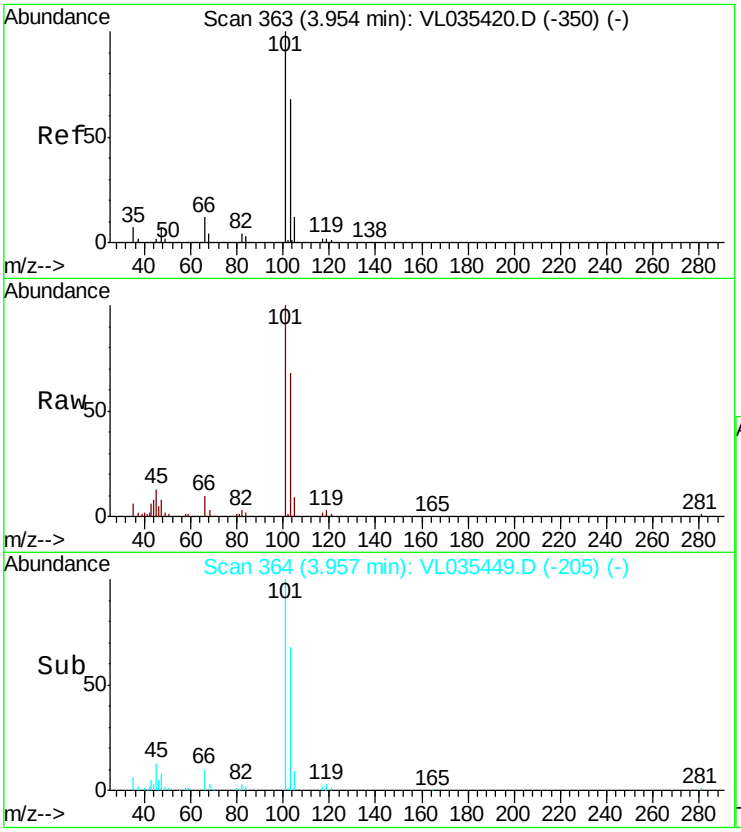


#9
Propene
Concen: 0.136 ppbv
RT: 3.02 min Scan# 74
Delta R.T. 0.02 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 41 Resp: 7808

Ion	Ratio	Lower	Upper
41	100		
42	48.9	55.5	83.3#



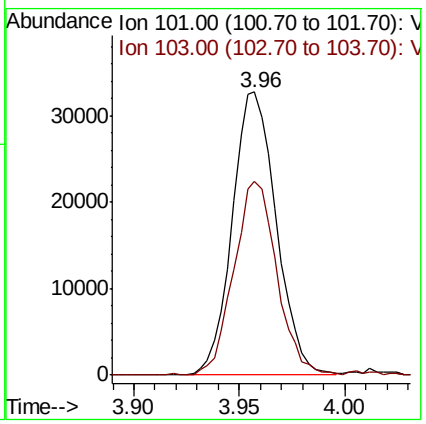


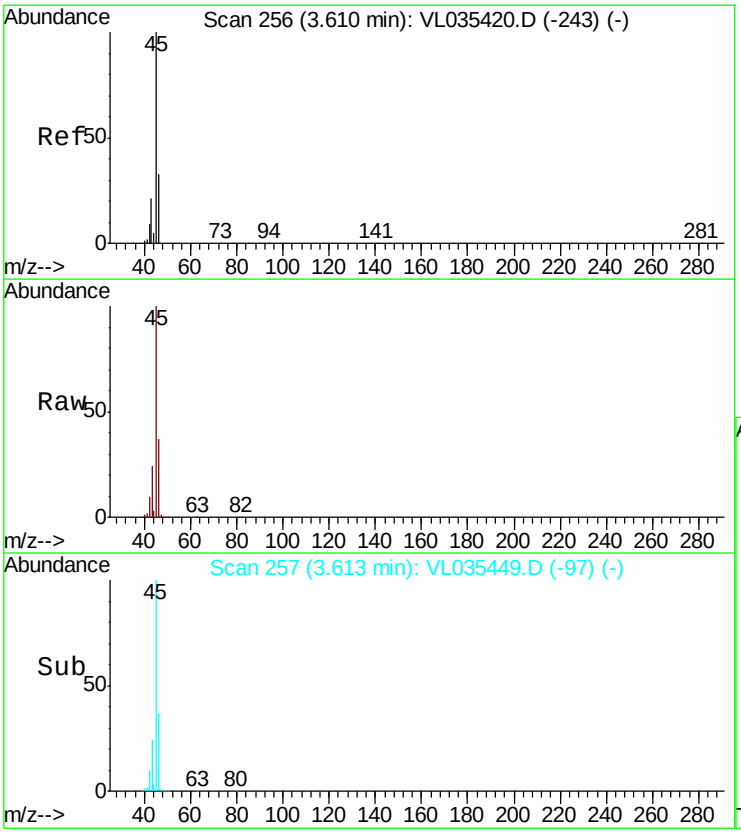
#11
Trichlorofluoromethane
Concen: 0.144 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 47519

Ion	Ratio	Lower	Upper
101	100		
103	68.2	52.6	78.8

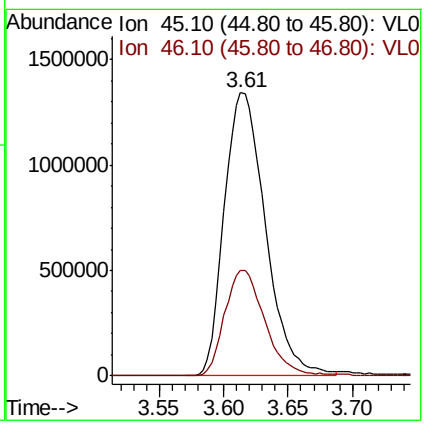


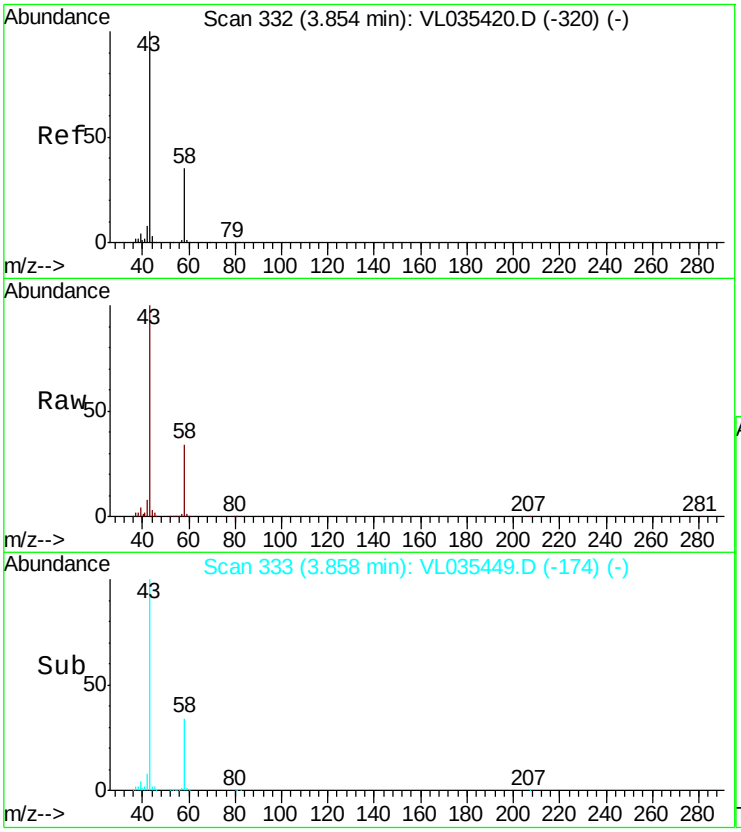


#13
Ethanol
Concen: 142.179 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 45 Resp: 2986506

Ion	Ratio	Lower	Upper
45	100		
46	37.0	14.2	56.6



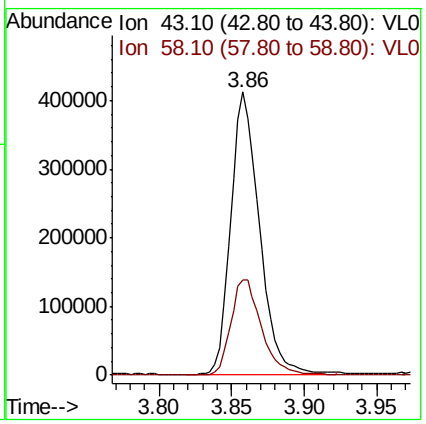


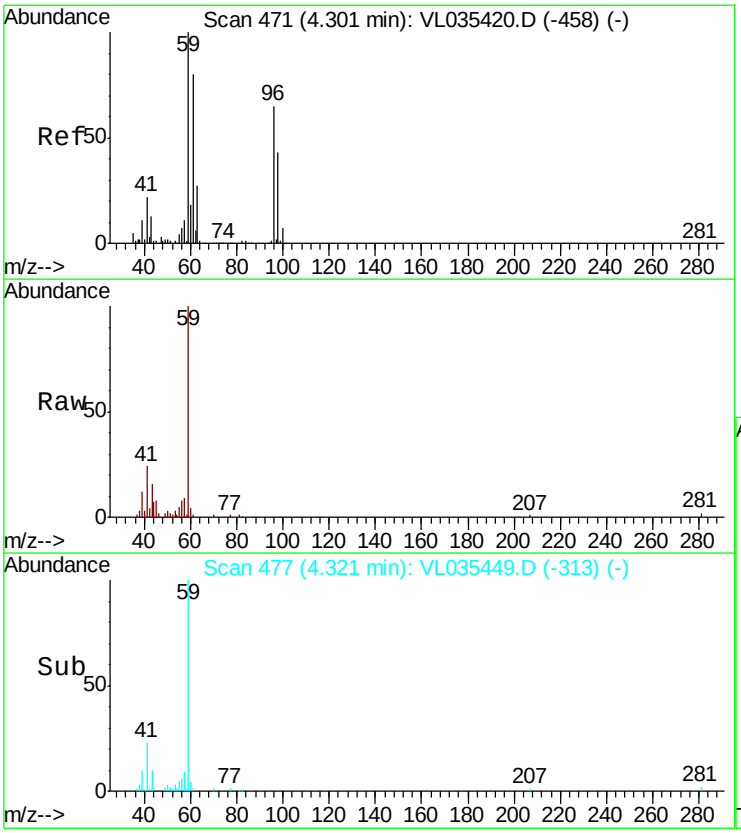
#15
Acetone
Concen: 4.303 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 563490

Ion	Ratio	Lower	Upper
43	100		
58	36.2	21.0	31.6#

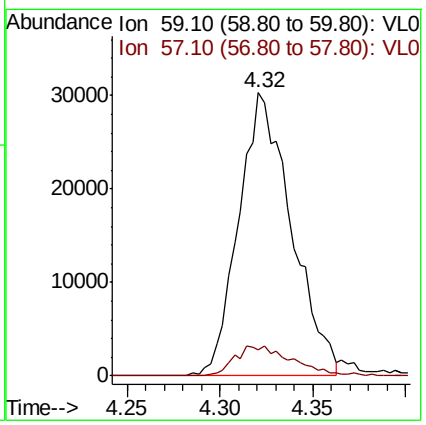


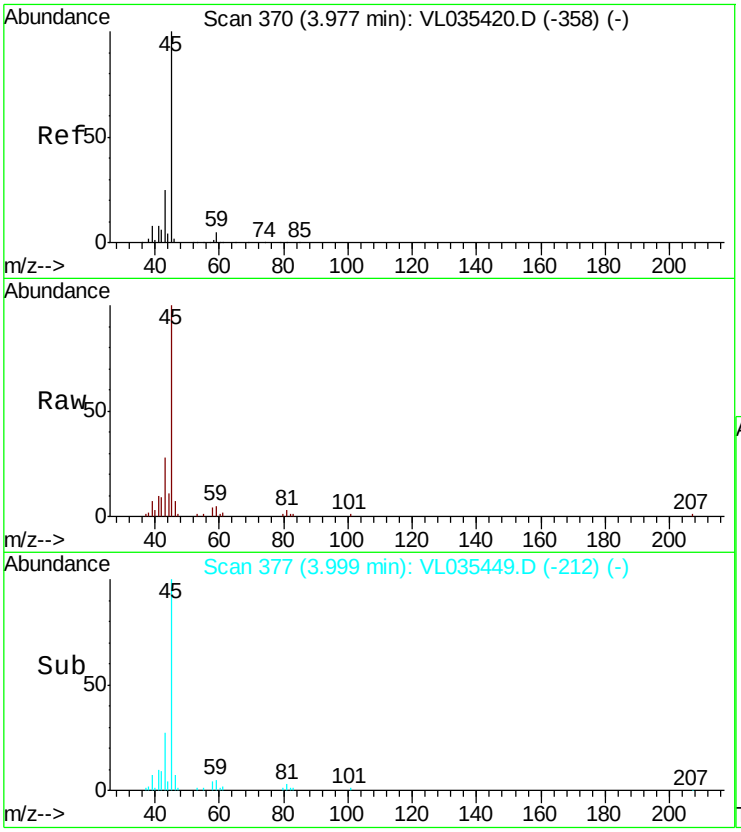


#17
tert-Butyl alcohol
Concen: 0.355 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.03 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 59 Resp: 60033

Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.9	13.3



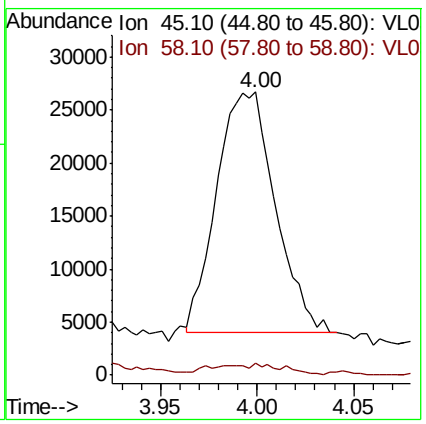


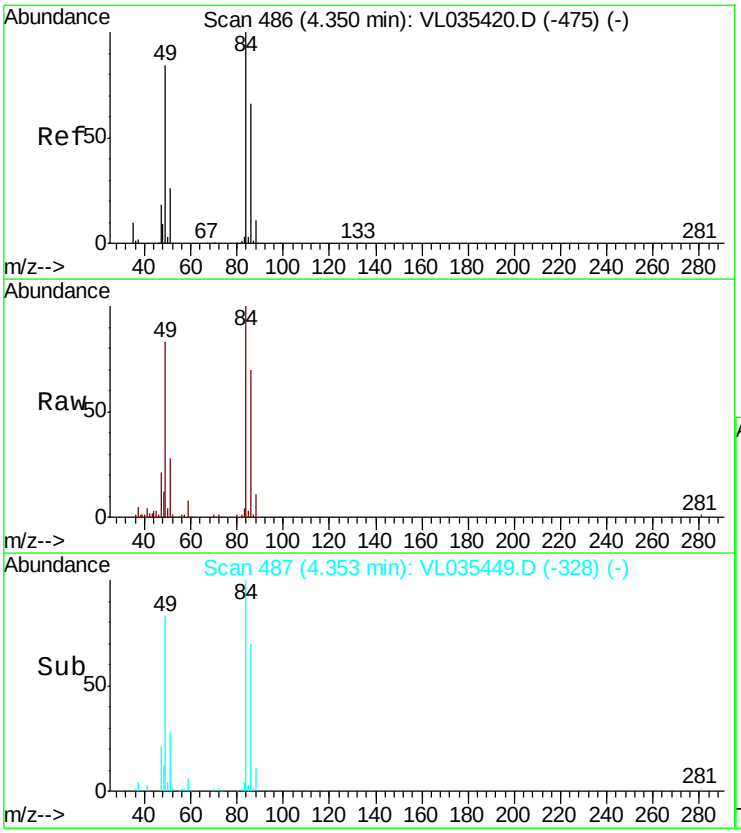
#19
Isopropyl Alcohol
Concen: 0.530 ppbv
RT: 4.00 min Scan# 377
Delta R.T. 0.03 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 47793

Ion	Ratio	Lower	Upper
45	100		
58	427.4	1.0	1.6#

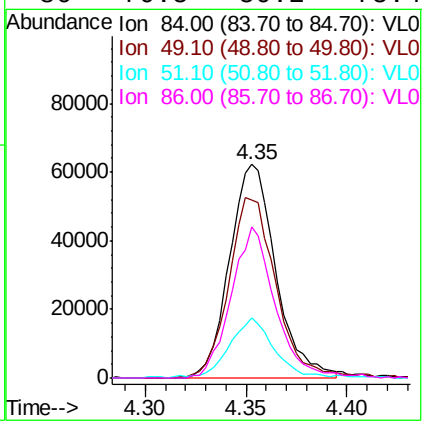


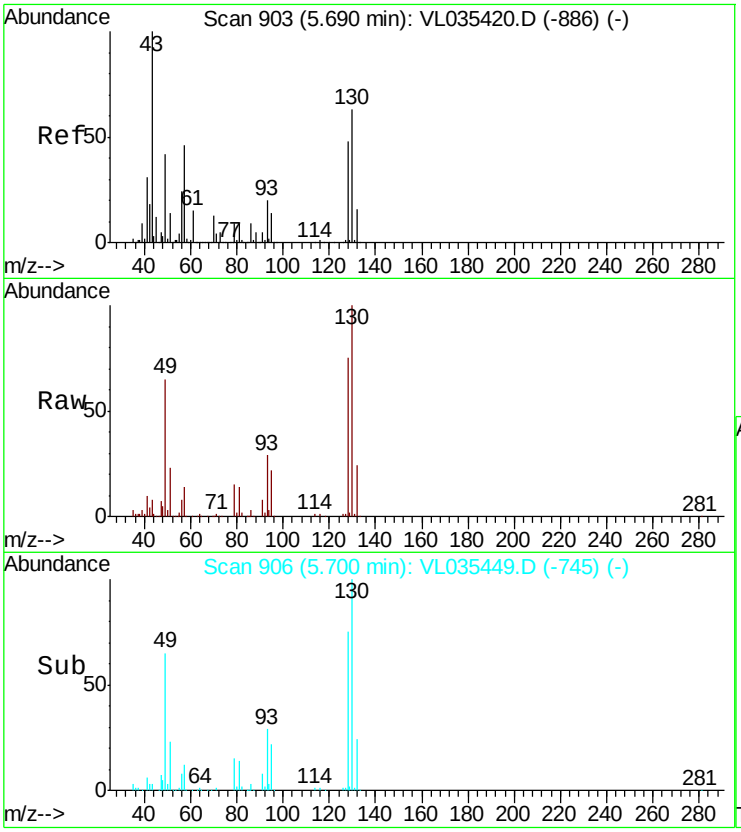


#20
Methylene Chloride
Concen: 0.947 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 84 Resp: 100099

Ion	Ratio	Lower	Upper
84	100		
49	82.5	118.6	177.8#
51	27.4	36.4	54.6#
86	70.5	50.2	75.4



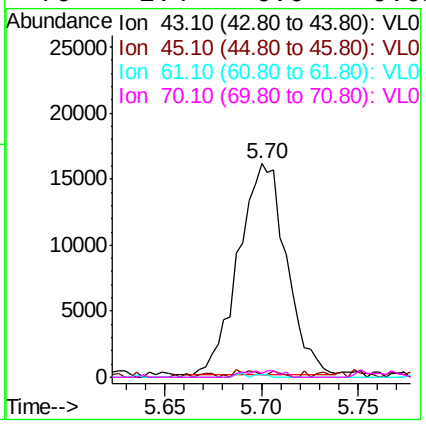


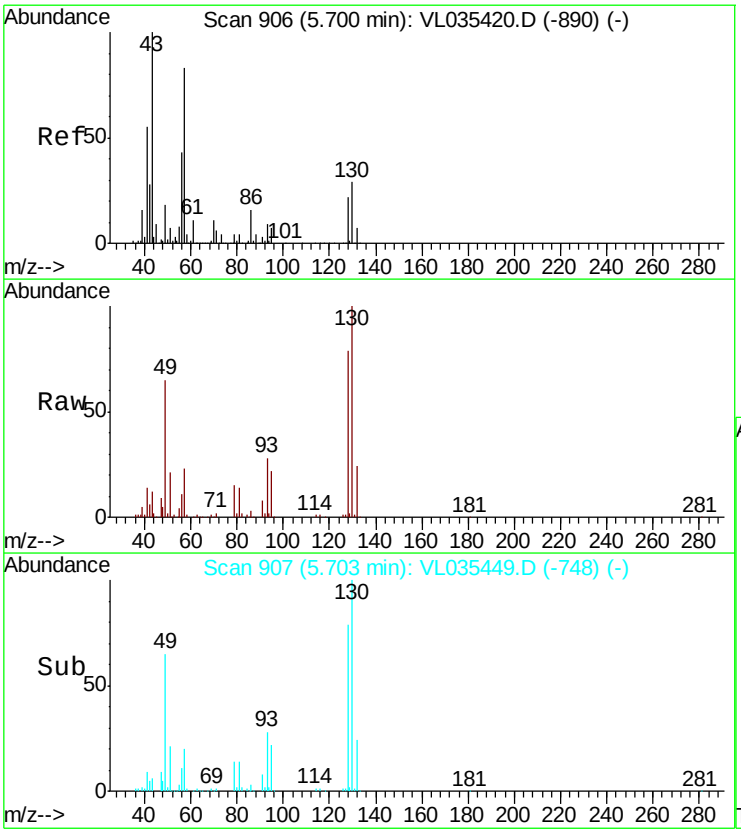
#25
Ethyl Acetate
Concen: 0.108 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 27402

Ion	Ratio	Lower	Upper
43	100		
45	3.6	8.3	12.5#
61	0.7	7.6	11.4#
70	2.4	6.0	9.0#

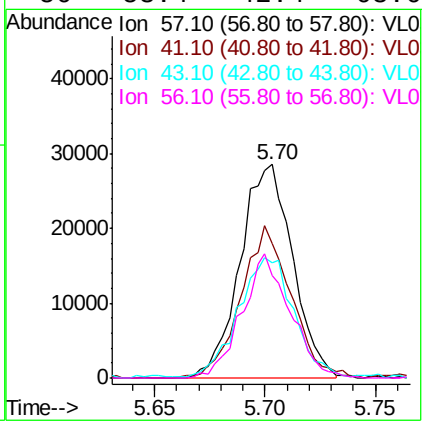


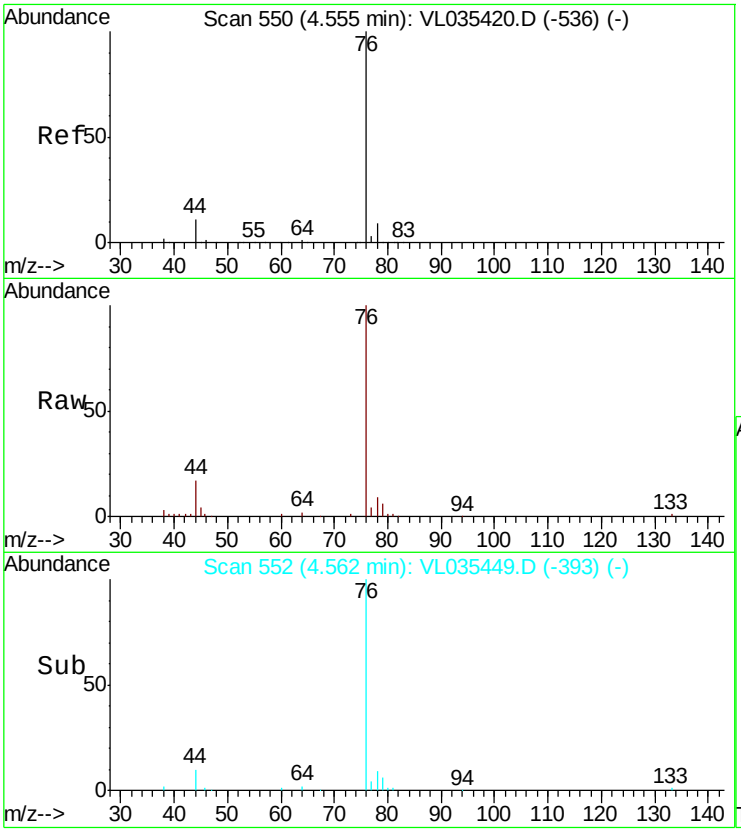


#26
Hexane
Concen: 0.328 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 57 Resp: 47116

Ion	Ratio	Lower	Upper
57	100		
41	69.3	75.5	113.3#
43	61.6	181.7	272.5#
56	53.4	42.4	63.6



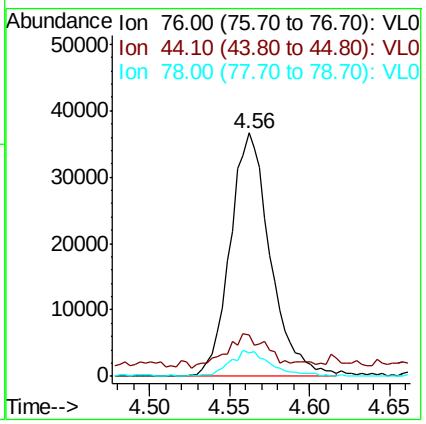


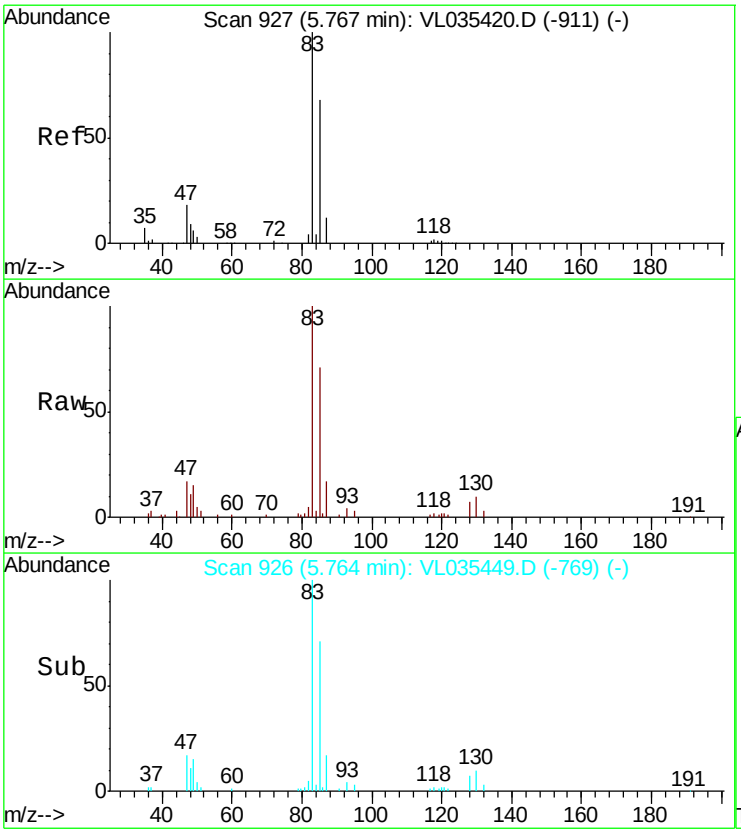
#27
Carbon Disulfide
Concen: 0.300 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 62439

Ion	Ratio	Lower	Upper
76	100		
44	16.3	16.8	25.2#
78	11.1	7.3	10.9#

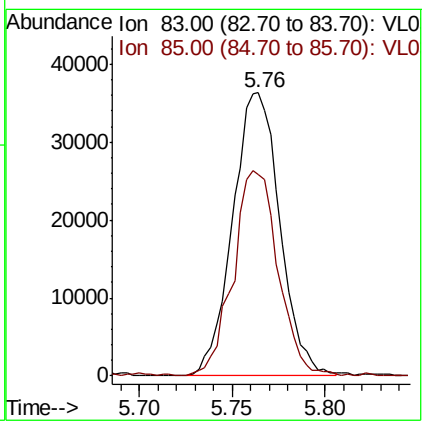


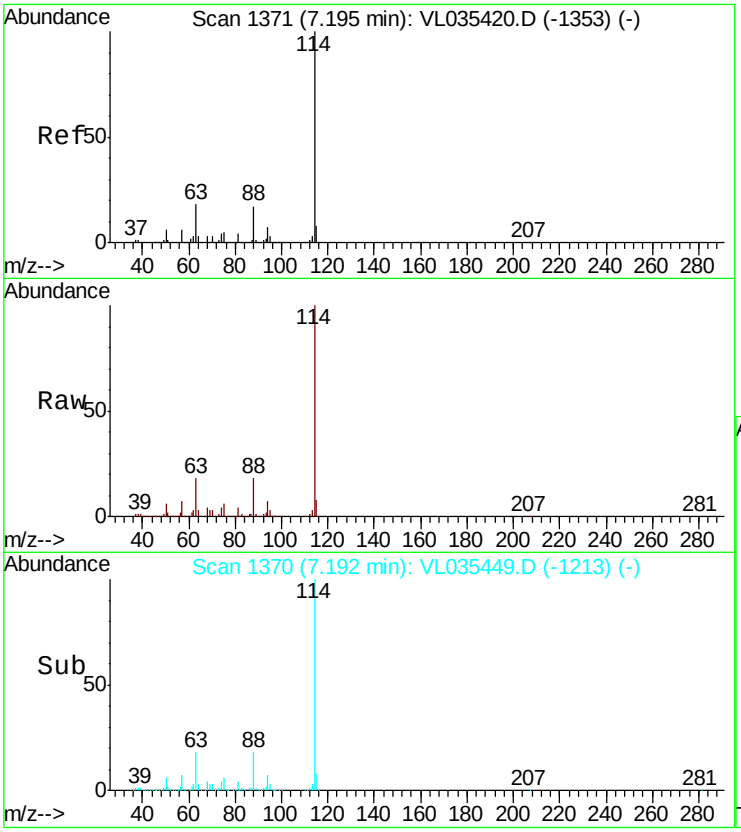


#29
Chloroform
Concen: 0.222 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 83 Resp: 64037

Ion	Ratio	Lower	Upper
83	100		
85	71.3	52.7	79.1



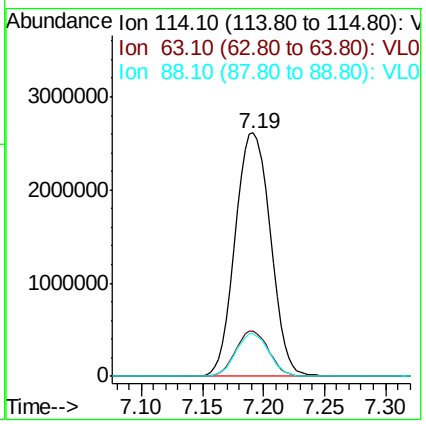


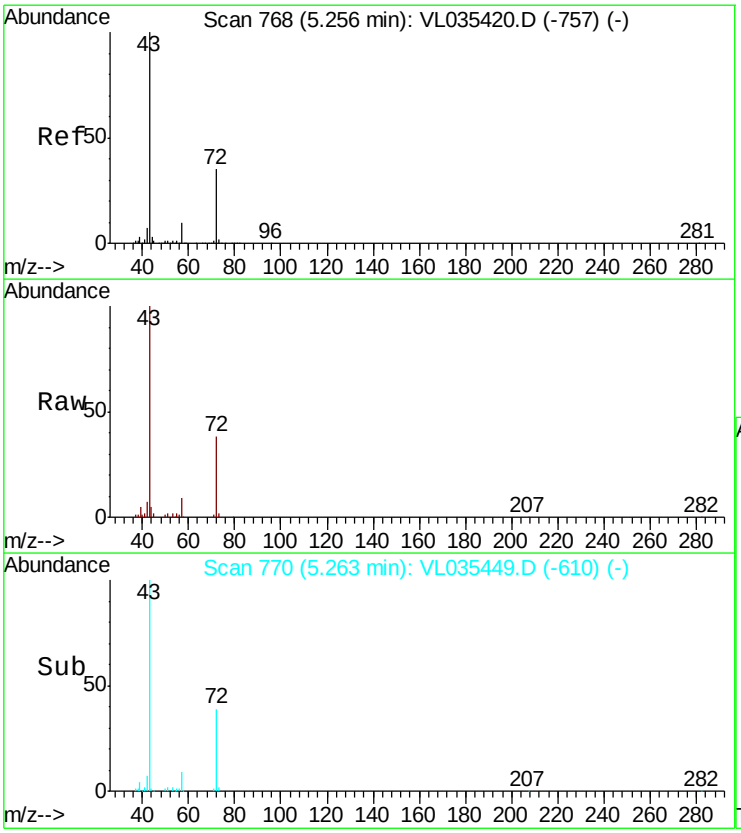
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 5241632

Ion	Ratio	Lower	Upper
114	100		
63	17.4	23.1	34.7#
88	16.6	15.9	23.9

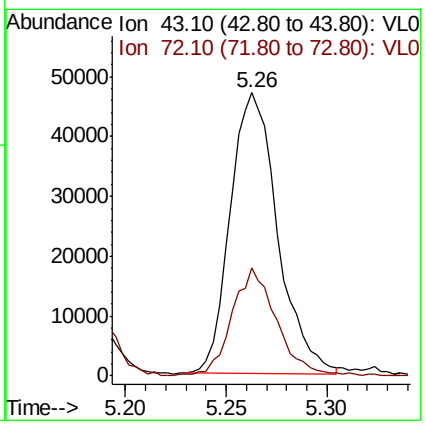


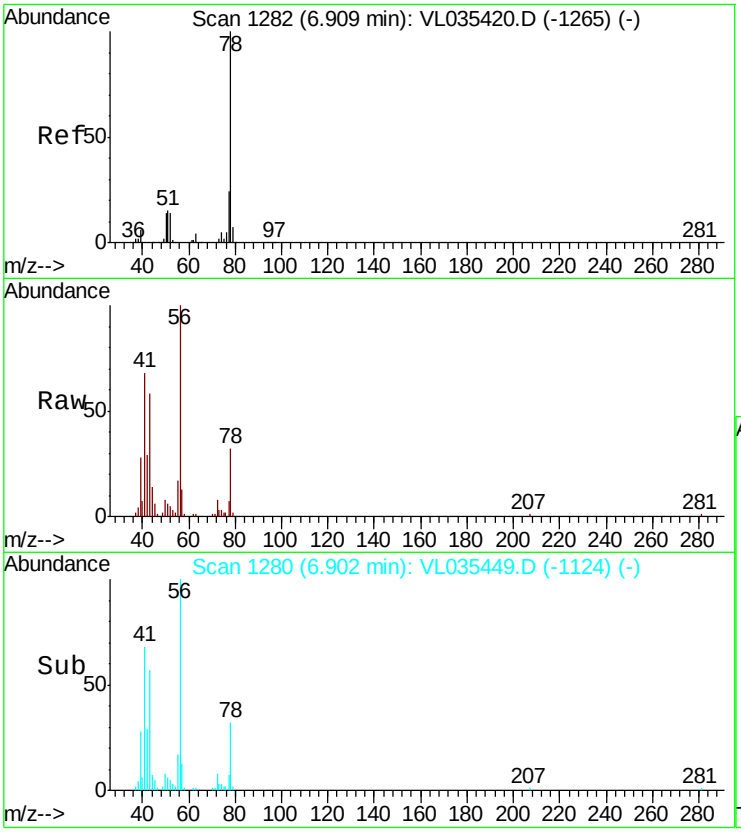


#34
2-Butanone
Concen: 0.439 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 43 Resp: 76881

Ion	Ratio	Lower	Upper
43	100		
72	36.5	17.6	26.4#



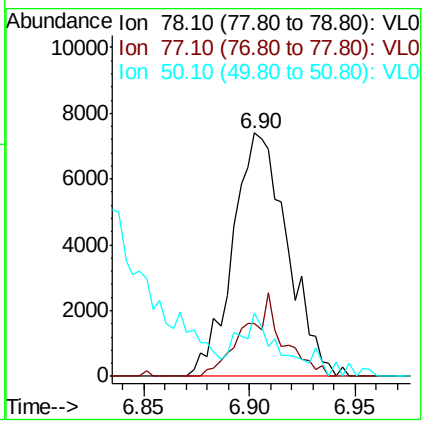


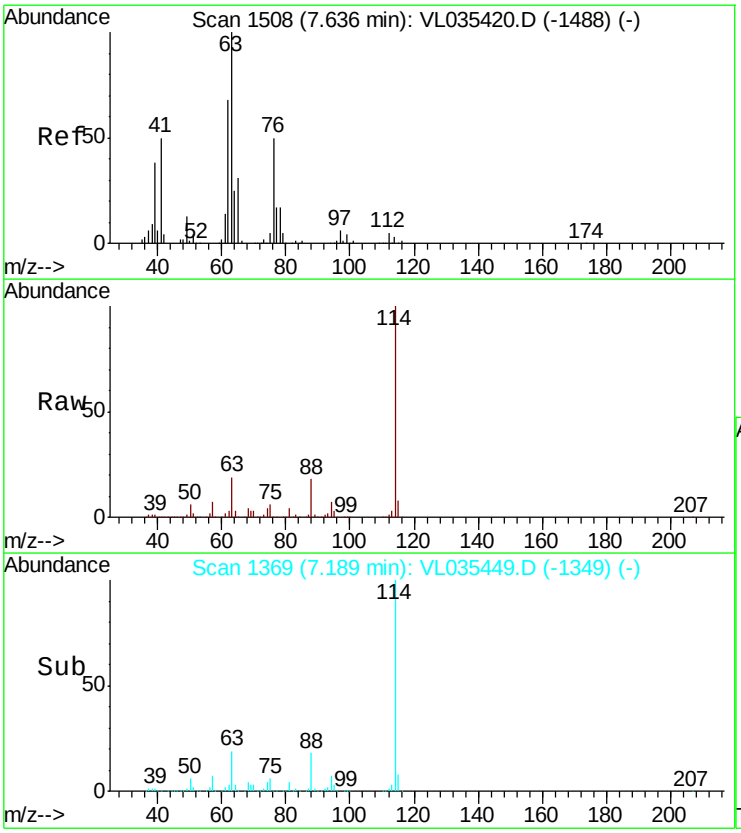
#36
Benzene
Concen: 0.034 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 13259

Ion	Ratio	Lower	Upper
78	100		
77	21.6	19.6	29.4
50	19.9	16.3	24.5

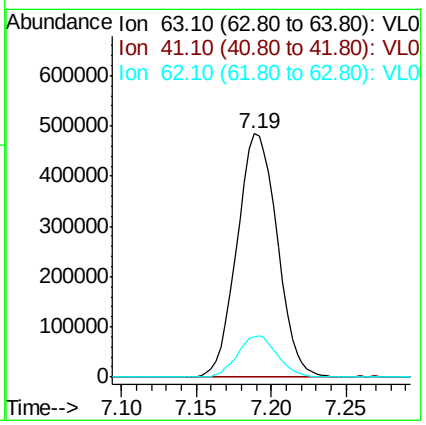


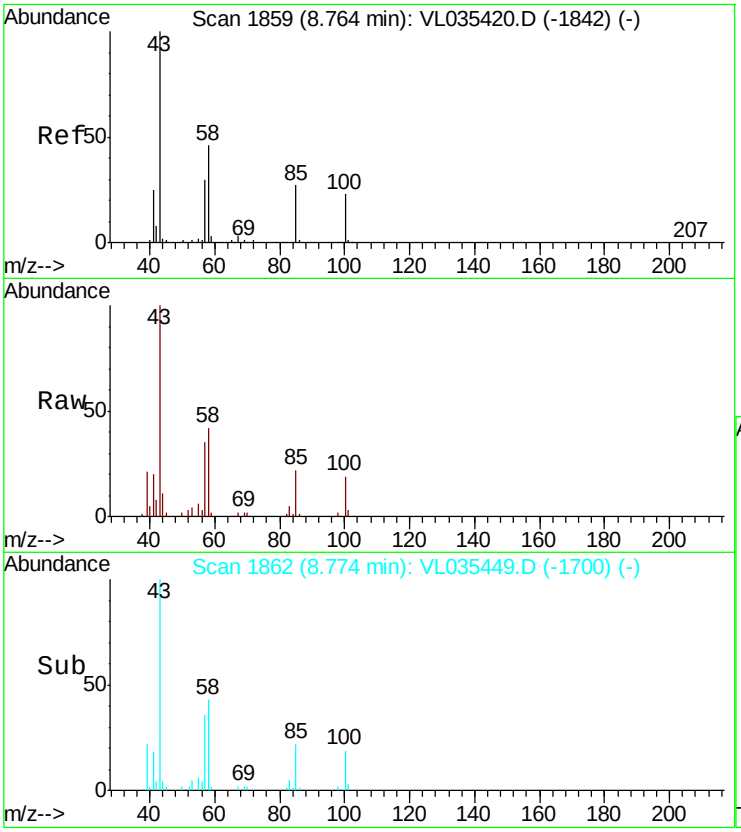


#39
1,2-Dichloropropane
Concen: 7.167 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.44 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 63 Resp: 908681

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.1	91.7#
62	16.7	55.3	82.9#



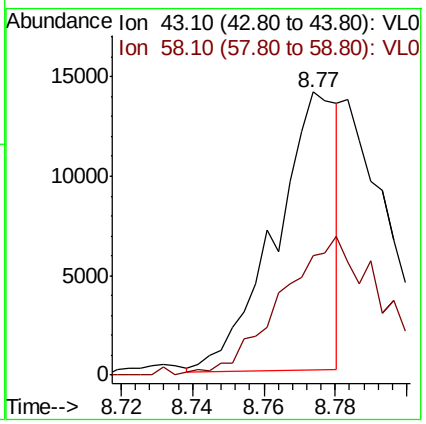


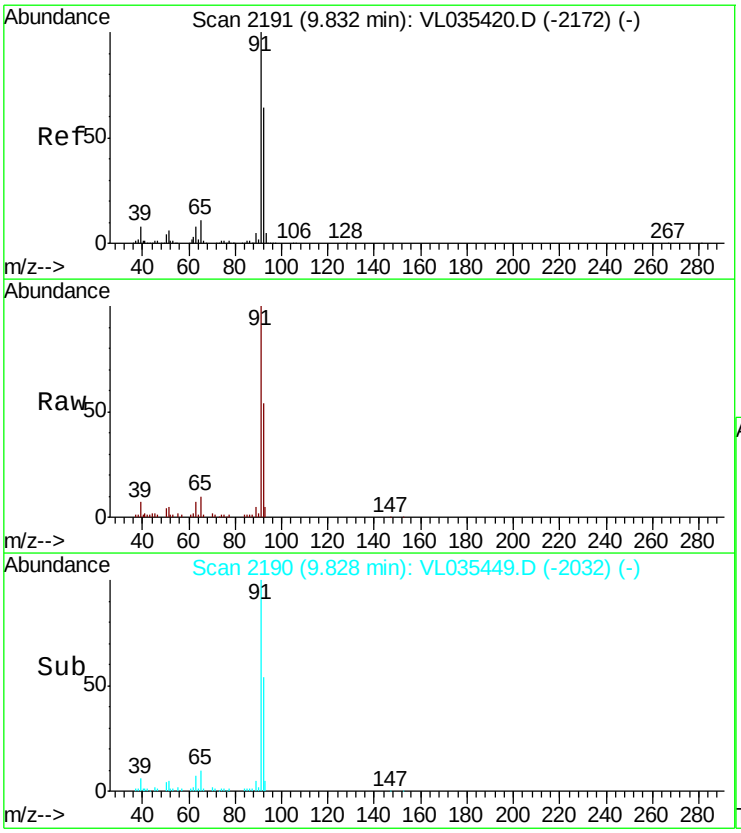
#50
4-Methyl-2-Pentanone
Concen: 0.067 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. 0.02 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 16894

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.7	43.1#

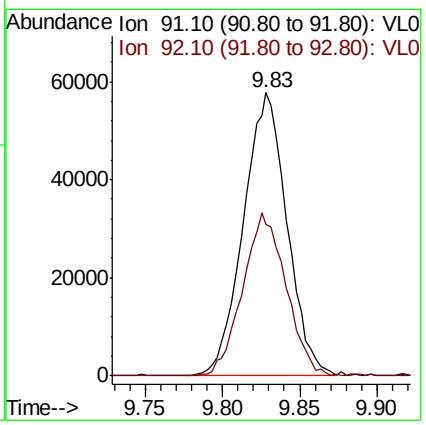


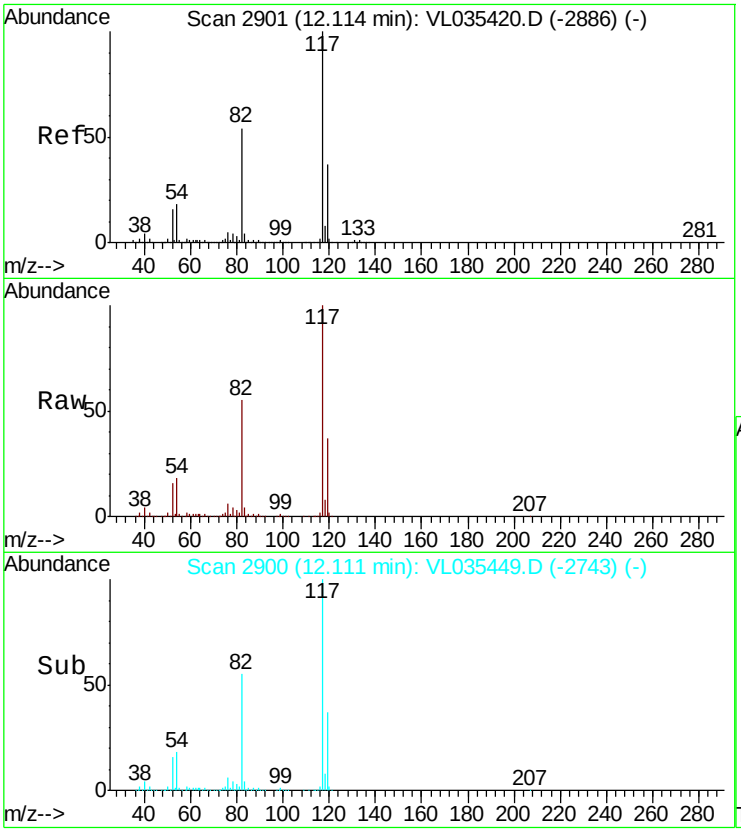


#53
Toluene
Concen: 0.228 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 91 Resp: 113084

Ion	Ratio	Lower	Upper
91	100		
92	57.4	49.1	73.7



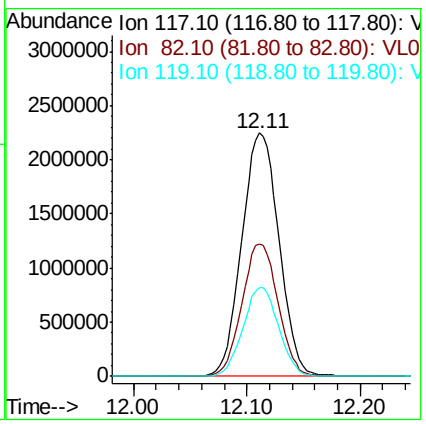


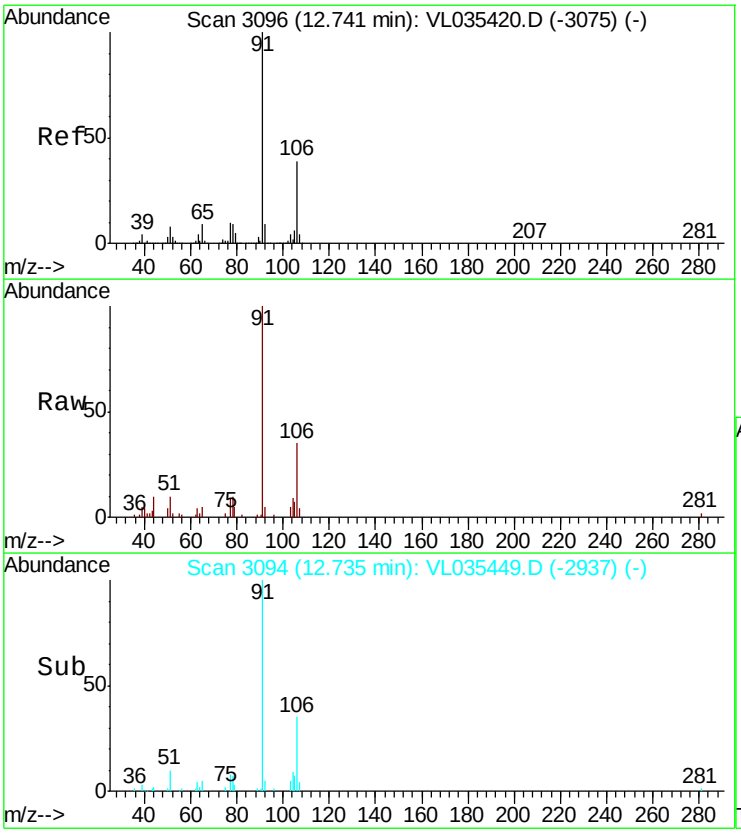
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 5140736

Ion	Ratio	Lower	Upper
117	100		
82	53.1	57.4	86.0#
119	35.4	28.4	42.6

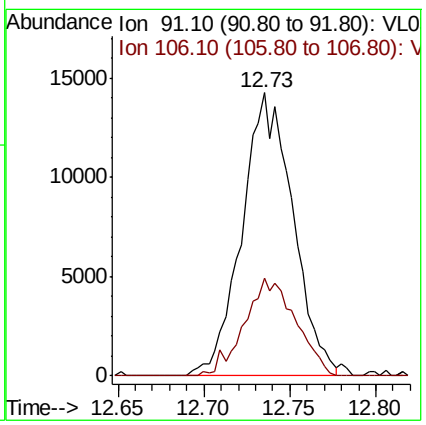


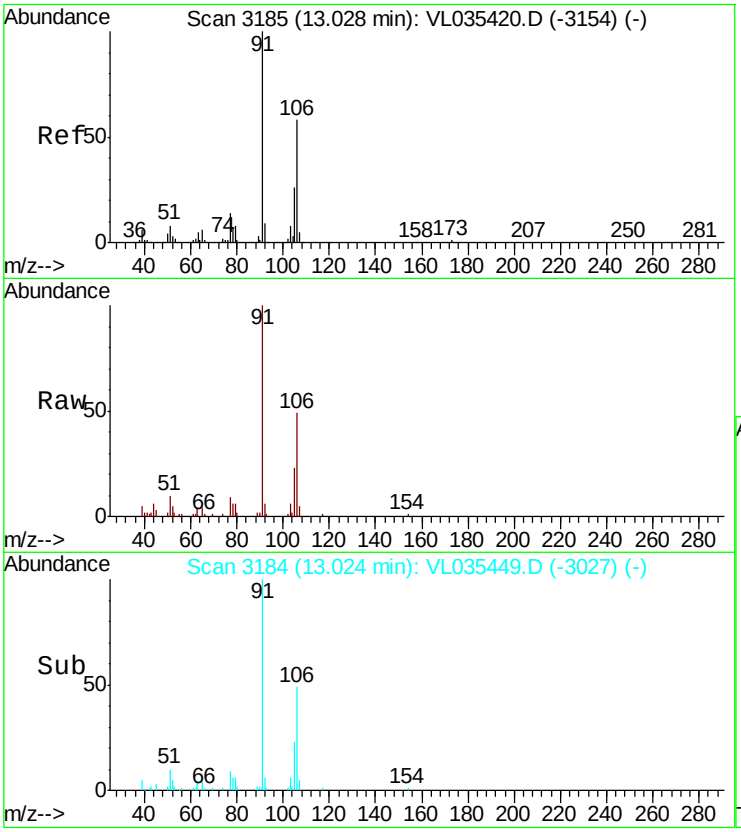


#58
Ethyl Benzene
Concen: 0.047 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 91 Resp: 29336

Ion	Ratio	Lower	Upper
91	100		
106	34.6	24.1	36.1



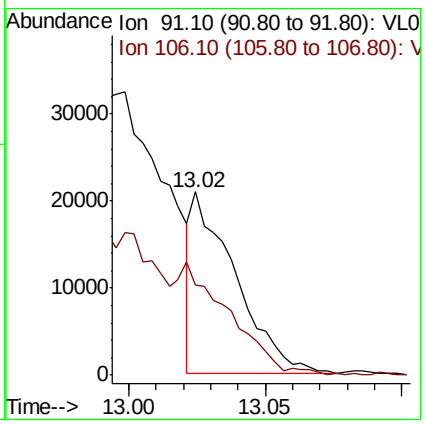


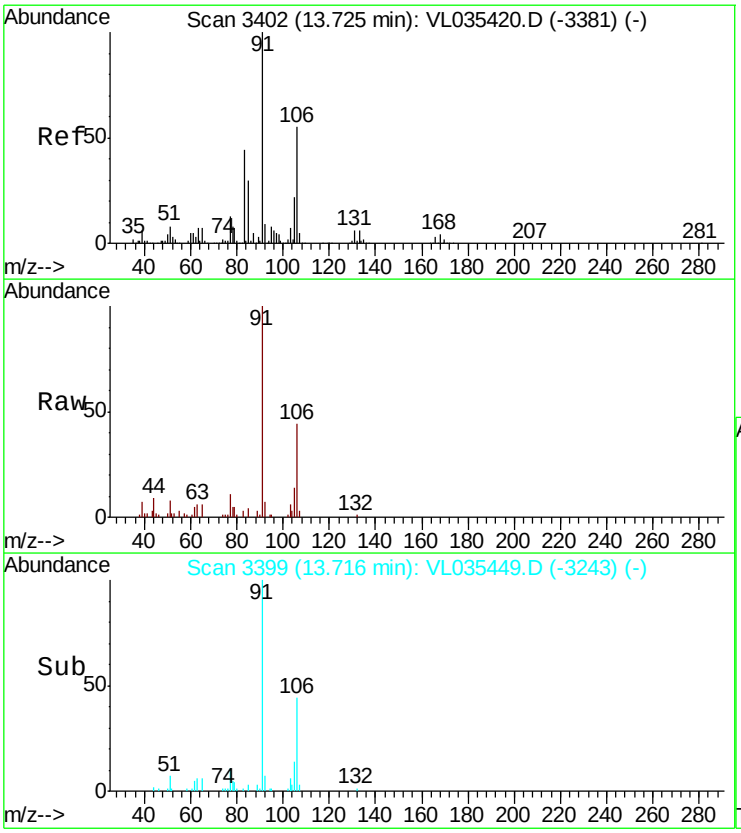
#59
m/p-Xylene
Concen: 0.043 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 22783

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.0	51.0#

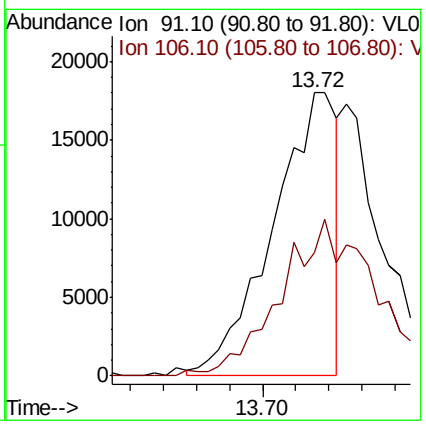


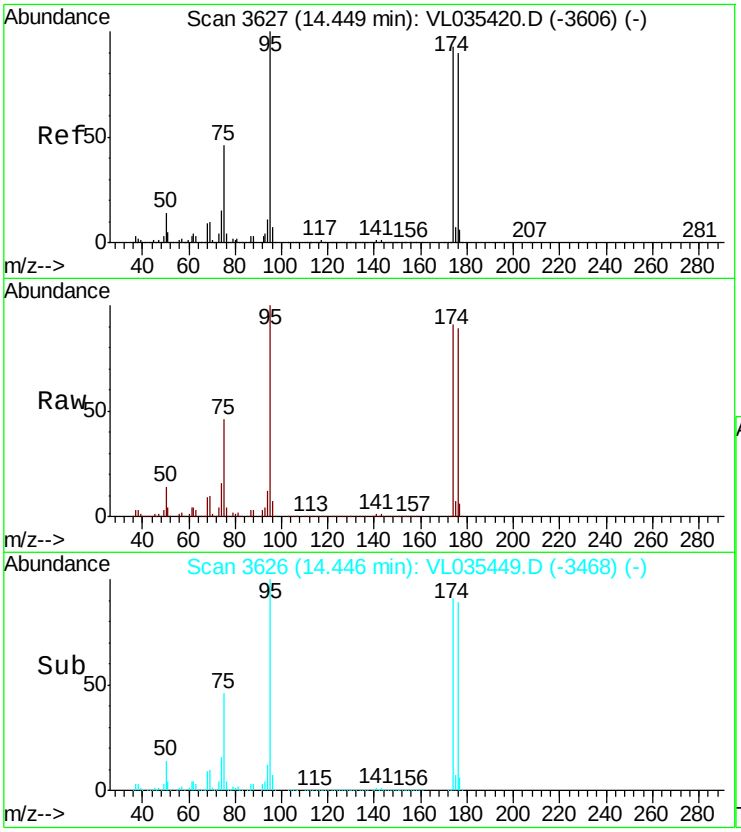


#60
o-Xylene
Concen: 0.047 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion: 91 Resp: 24138

Ion	Ratio	Lower	Upper
91	100		
106	81.9	21.8	65.3#



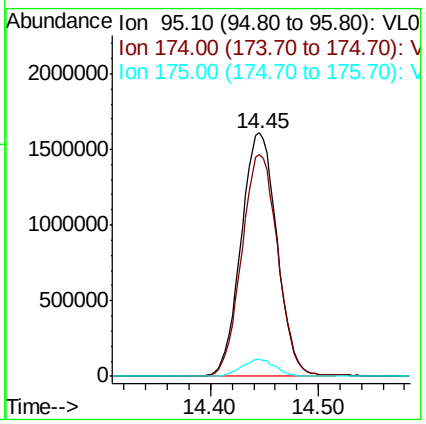


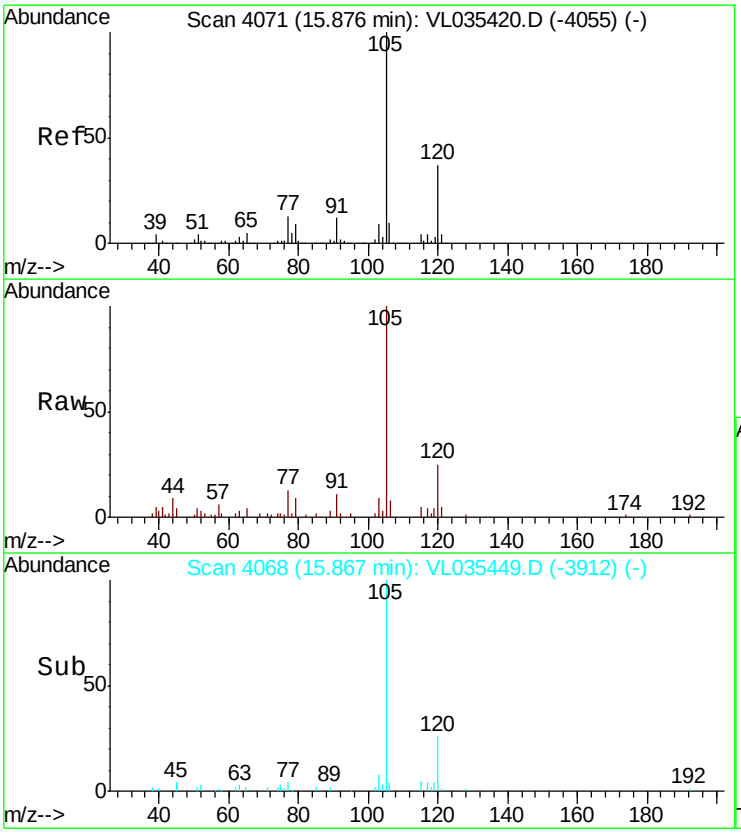
#68
1-Bromo-4-Fluorobenzene
Concen: 10.358 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 3727767

Ion	Ratio	Lower	Upper
95	100		
174	92.3	44.0	66.0#
175	6.7	3.2	4.8#

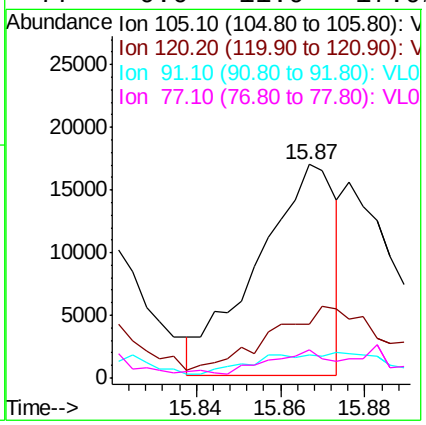


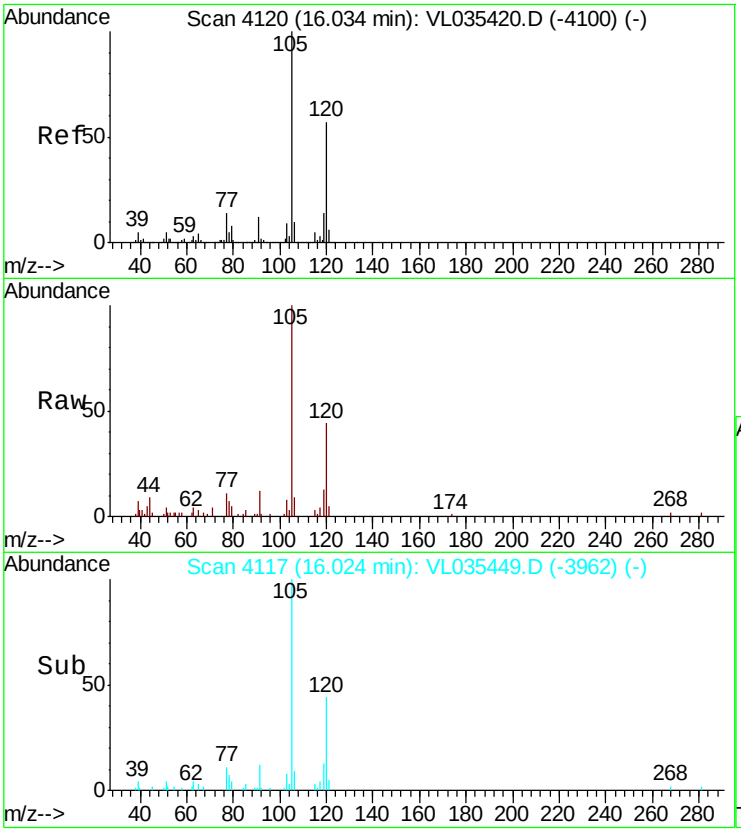


#72
4-Ethyltoluene
Concen: 0.032 ppbv
RT: 15.87 min Scan# 4068
Delta R.T. 0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion:105 Resp: 21659

Ion	Ratio	Lower	Upper
105	100		
120	52.6	22.7	34.1#
91	0.0	10.8	16.2#
77	0.0	11.9	17.9#



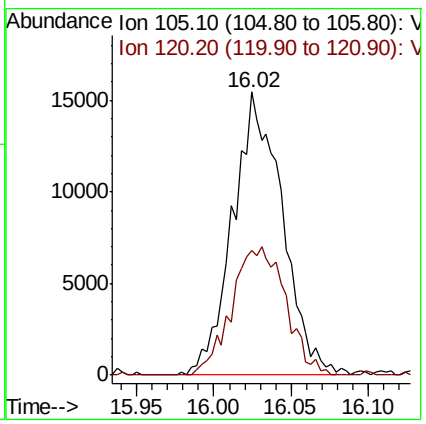


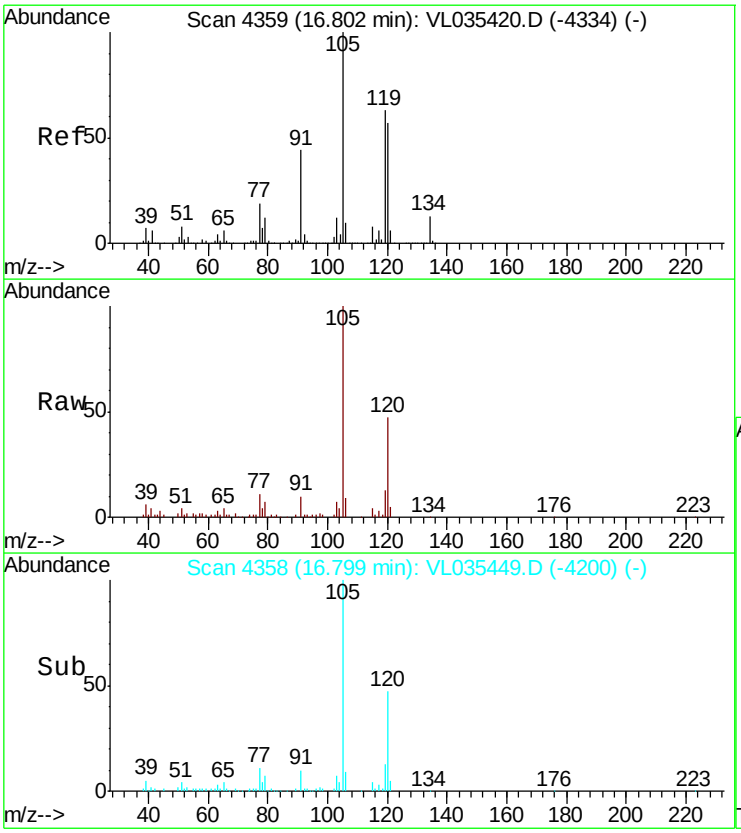
#73
1,3,5-Trimethylbenzene
Concen: 0.055 ppbv
RT: 16.02 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 34210

Ion	Ratio	Lower	Upper
105	100		
120	44.1	35.6	53.4

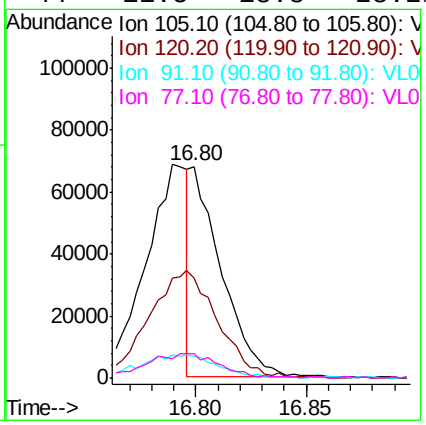


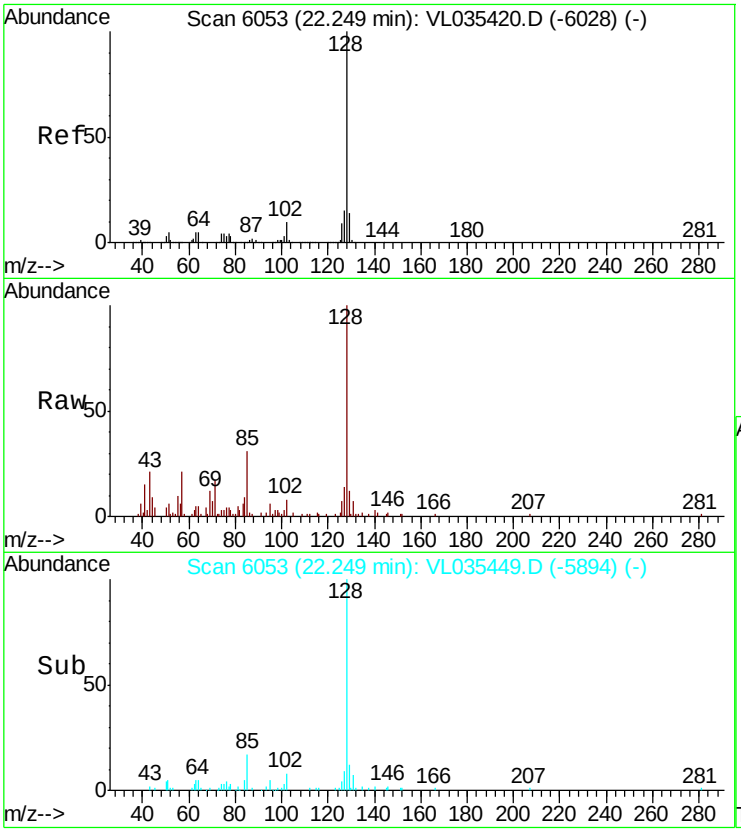


#74
1,2,4-Trimethylbenzene
Concen: 0.096 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion:105 Resp: 65177

Ion	Ratio	Lower	Upper
105	100		
120	47.0	37.8	56.8
91	9.2	40.0	60.0#
77	11.5	18.8	28.2#



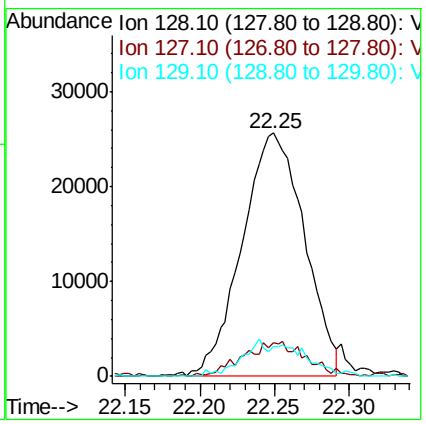


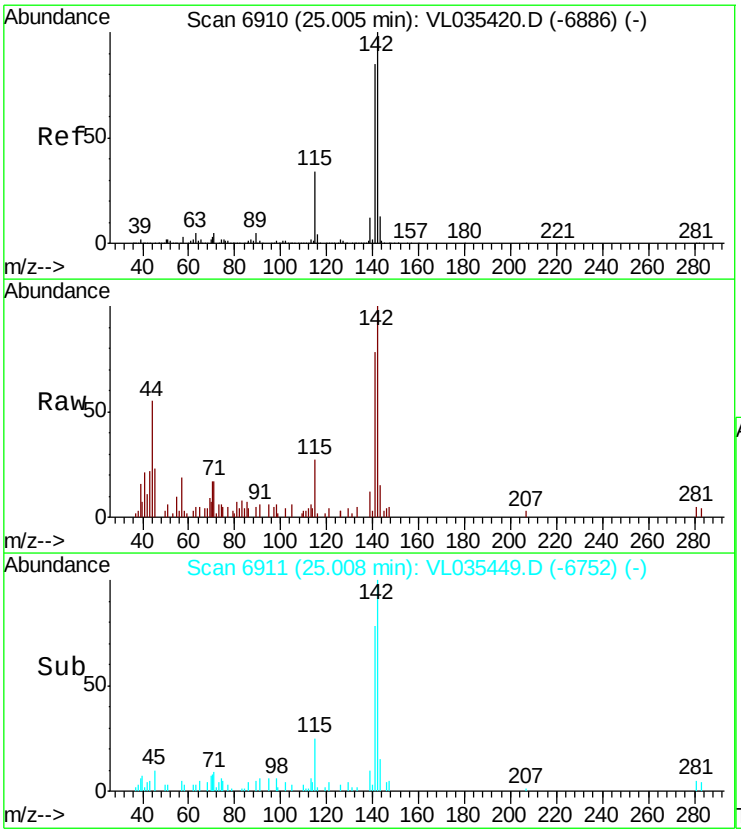
#79
Naphthalene
Concen: 0.078 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 74145

Ion	Ratio	Lower	Upper
128	100		
127	13.9	11.4	17.0
129	12.0	9.5	14.3





#80
Naphthalene,2-methyl-
Concen: 0.047 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.01 min
Lab File: VL035449.D
Acq: 18 Aug 2020 19:49

Tgt Ion:142 Resp: 18353

Ion	Ratio	Lower	Upper
142	100		
141	83.1	67.1	100.7
115	41.8	36.1	54.1