Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072920\
Data File : VL035250.D
Acq On : 29 Jul 2020 17:31
Operator : SY/AP
Sample : L3474-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 30 02:50:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	976564	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.20	114	2752752	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.12	117	2566982	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	2158227	10.52	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	36312	0.311	ppbv		92
3) Chlorodifluoromethane	2.92	51	5380790	49.776	ppbv	#	56
4) Chloromethane	3.10	50	41005	0.674	ppbv		89
9) Propene	3.17	41	543798	14.431	ppbv		98
11) Trichlorofluoromethane	3.92	101	105266	0.671	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	112944	1.015	ppbv		99
13) Ethanol	3.61	45	7869767	513.142	ppbv	#	20
15) Acetone	3.84	43	28438877	218.322	ppbv	#	25
16) 1,3-Butadiene	3.32	39	60212	1.185	ppbv	#	14
17) tert-Butyl alcohol	3.84	59	2289598	18.212	ppbv		95
19) Isopropyl Alcohol	4.02	45	29290595	340.943	ppbv	#	93
20) Methylene Chloride	4.35	84	3269233	55.135	ppbv		97
21) Allyl Chloride	4.35	41	142743	1.924	ppbv	#	24
23) Vinyl Acetate	5.10	43	136779	1.045	ppbv	#	49
25) Ethyl Acetate	5.69	43	9926225	48.797	ppbv	#	76
26) Hexane	5.69	57	12129281	132.173	ppbv	#	45
27) Carbon Disulfide	4.54	76	7566	0.061	ppbv	#	64
28) Methyl tert-Butyl Ether	5.02	73	3955928	30.155	ppbv		100
29) Chloroform	5.77	83	6218749	40.405	ppbv		91
34) 2-Butanone	5.25	43	161911	1.156	ppbv		94
36) Benzene	6.91	78	24263	0.127	ppbv		94
37) 1,2-Dichloroethane	6.32	62	5934	0.044	ppbv	#	83
39) 1,2-Dichloropropane	7.20	63	734985	9.629	ppbv	#	23
41) Tetrahydrofuran	6.32	42	226555	3.300	ppbv	#	33
44) 2,2,4-Trimethylpentane	7.89	57	102696	0.305	ppbv	#	71
53) Toluene	9.84	91	1211863	5.960	ppbv		98
58) Ethyl Benzene	12.75	91	359229	1.321	ppbv	#	85
59) m/p-Xylene	13.01	91	1583740	6.257	ppbv		98
60) o-Xylene	13.73	91	354979	1.406	ppbv		98
74) 1,2,4-Trimethylbenzene	16.81	105	89215	0.276	ppbv	#	71
80) Naphthalene,2-methyl-	25.02	142	3394	0.041	ppbv		92

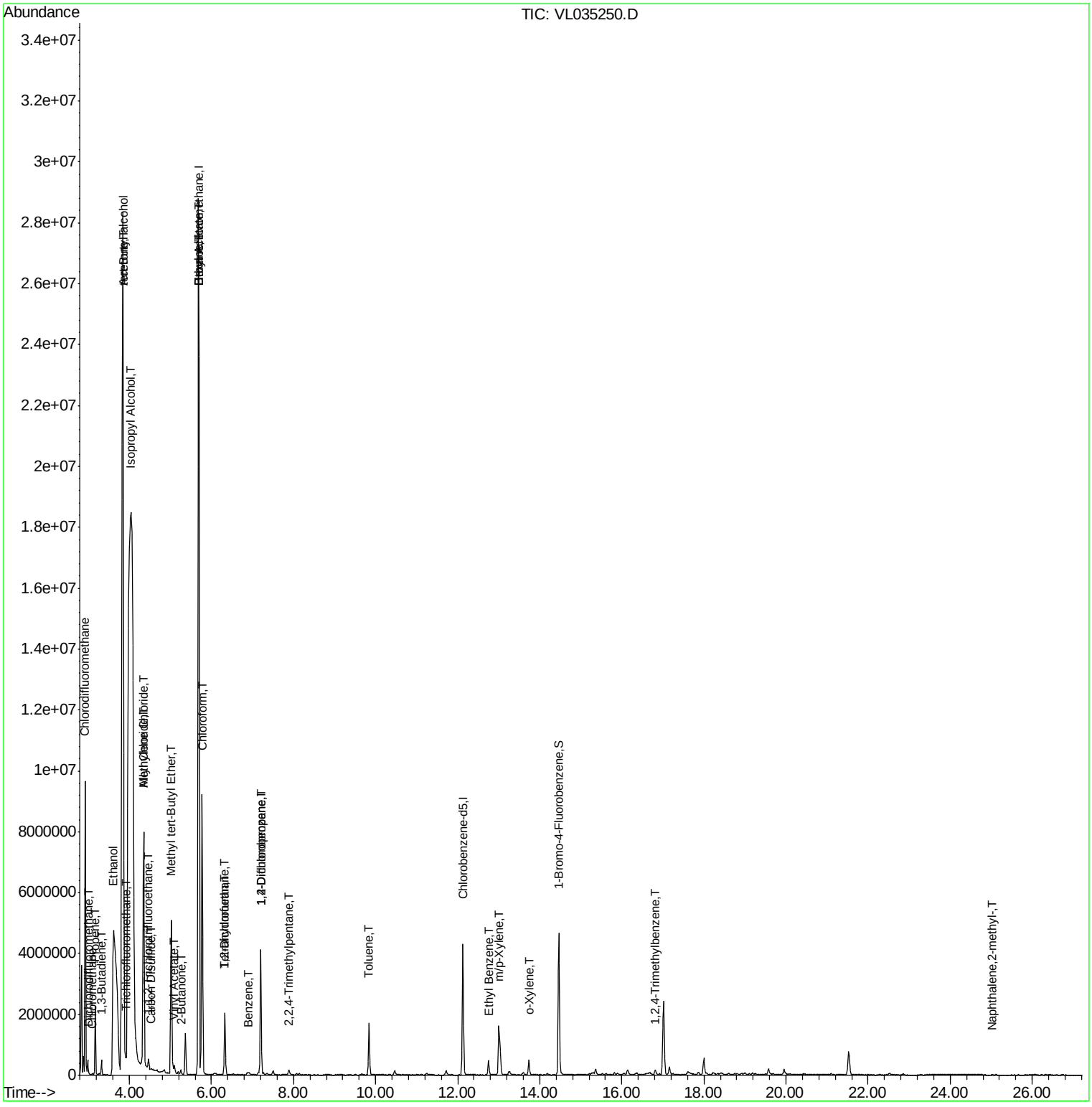
(#) = qualifier out of range (m) = manual integration (+) = signals summed

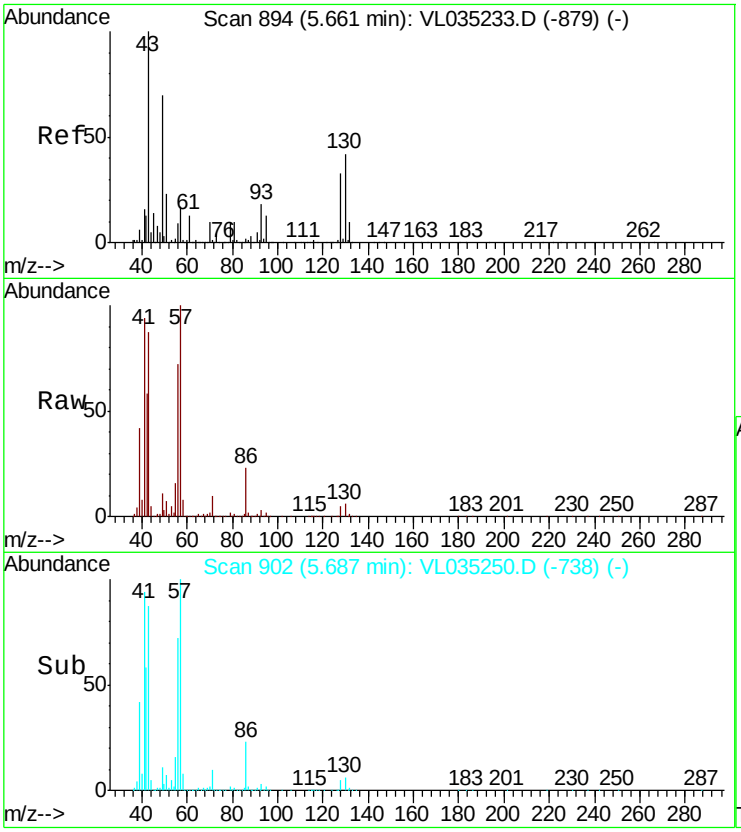
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072920\
Data File : VL035250.D
Acq On : 29 Jul 2020 17:31
Operator : SY/AP
Sample : L3474-03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 30 02:50:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration



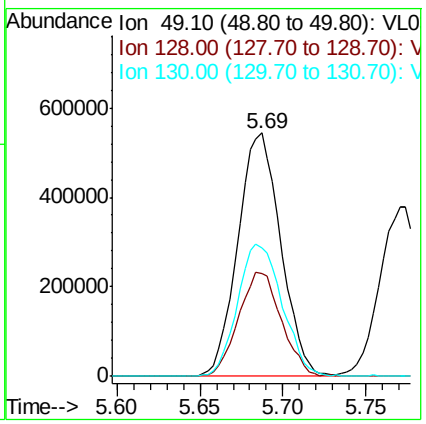


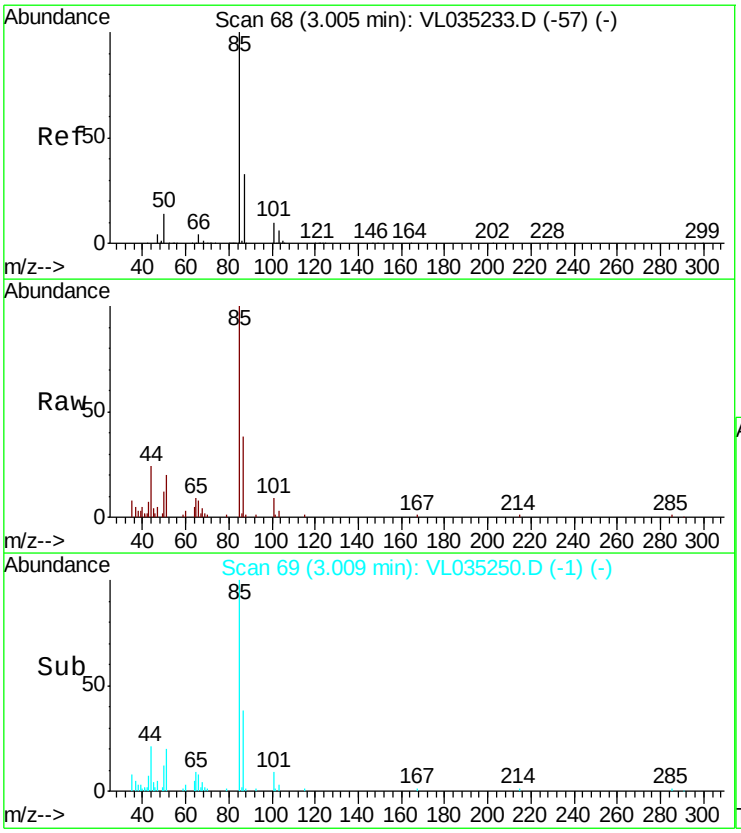
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.03 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 976564

Ion	Ratio	Lower	Upper
49	100		
128	43.0	24.0	72.0
130	56.6	30.7	92.1

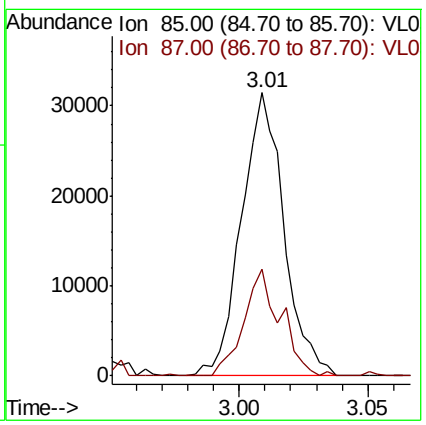


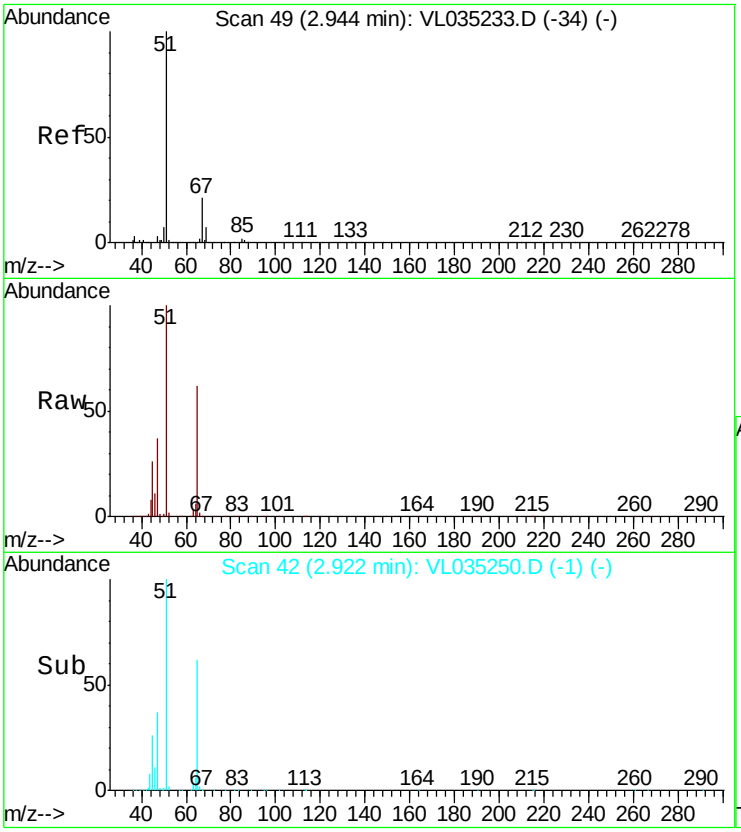


#2
Dichlorodifluoromethane
Concen: 0.311 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.00 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 85 Resp: 36312

Ion	Ratio	Lower	Upper
85	100		
87	37.8	26.7	40.1

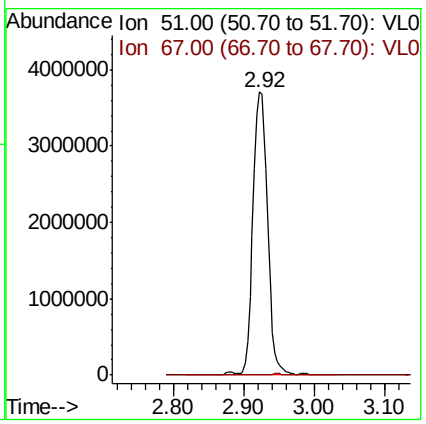




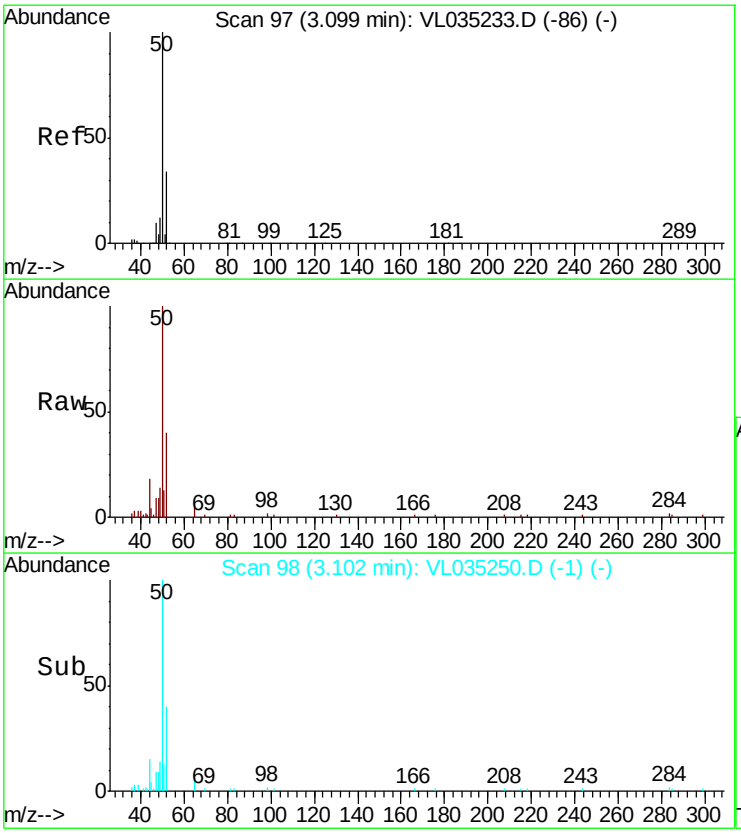
#3
Chlorodifluoromethane
Concen: 49.776 ppbv
RT: 2.92 min Scan# 42
Delta R.T. -0.02 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 51 Resp: 5380790

Ion	Ratio	Lower	Upper
51	100		
67	0.4	16.6	25.0#



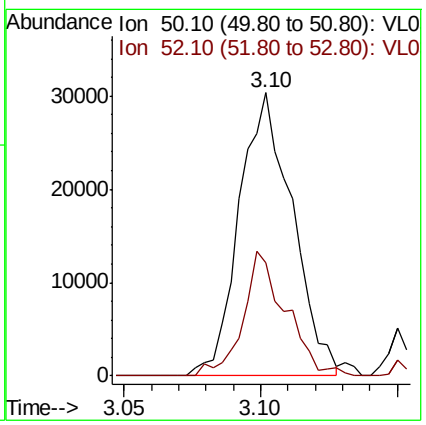
Instrument :
MSVOA_L
ClientSampleId :

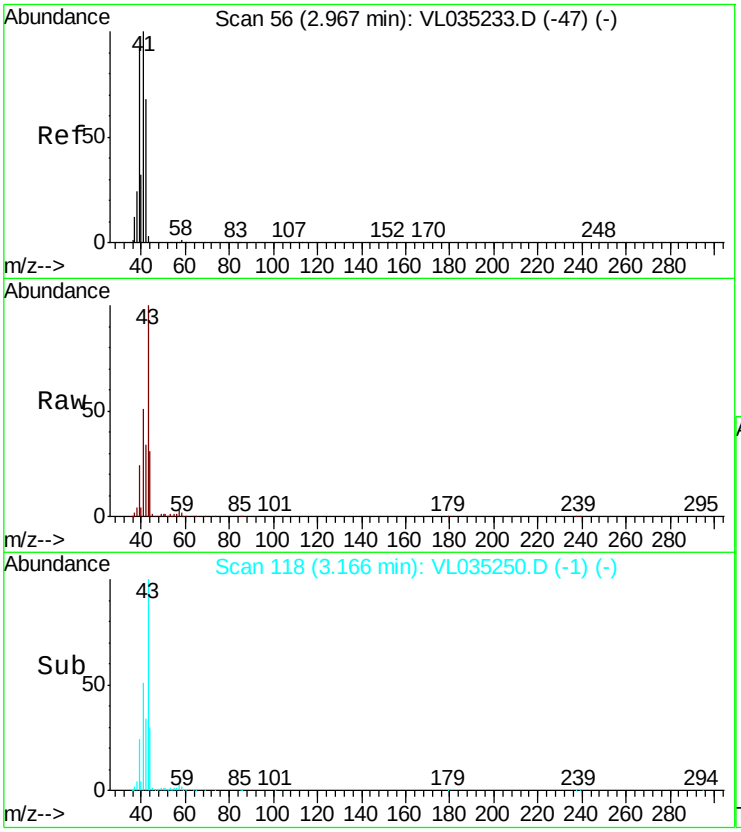


#4
Chloromethane
Concen: 0.674 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 50 Resp: 41005

Ion	Ratio	Lower	Upper
50	100		
52	40.0	27.1	40.7

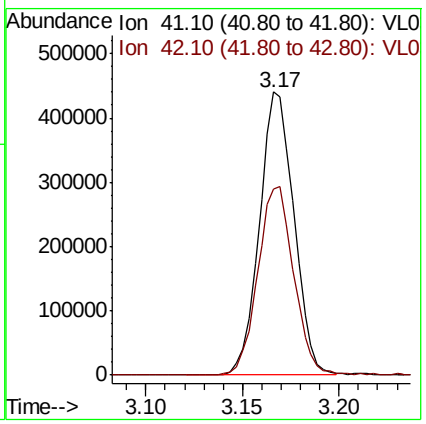




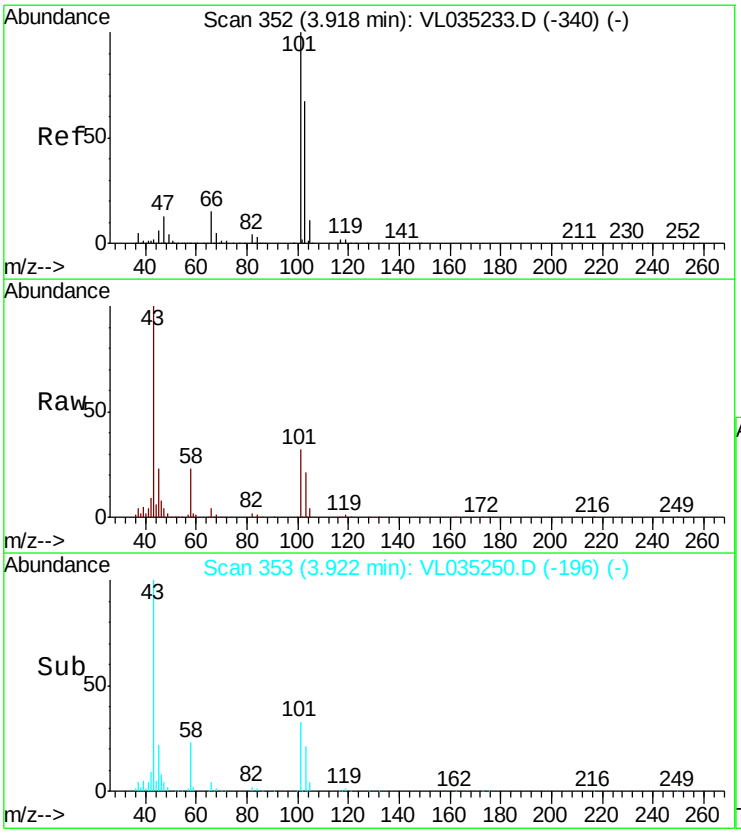
#9
Propene
Concen: 14.431 ppbv
RT: 3.17 min Scan# 118
Delta R.T. 0.20 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 41 Resp: 543798

Ion	Ratio	Lower	Upper
41	100		
42	70.1	55.0	82.6



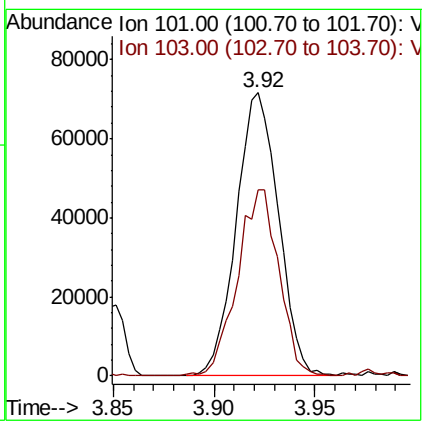
Instrument :
MSVOA_L
ClientSampleId :

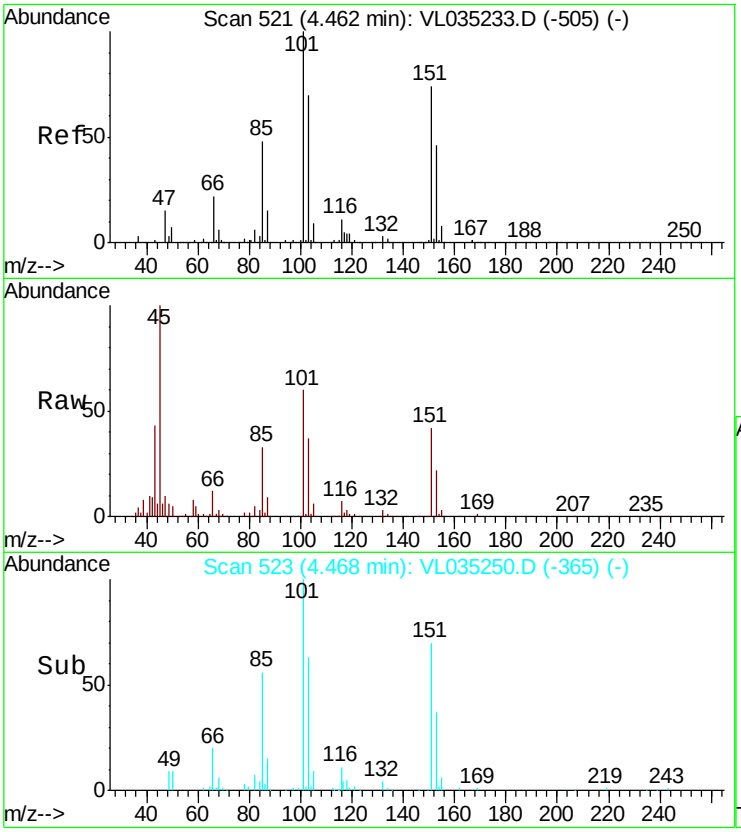


#11
Trichlorofluoromethane
Concen: 0.671 ppbv
RT: 3.92 min Scan# 353
Delta R.T. 0.00 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion:101 Resp: 105266

Ion	Ratio	Lower	Upper
101	100		
103	65.6	53.4	80.0



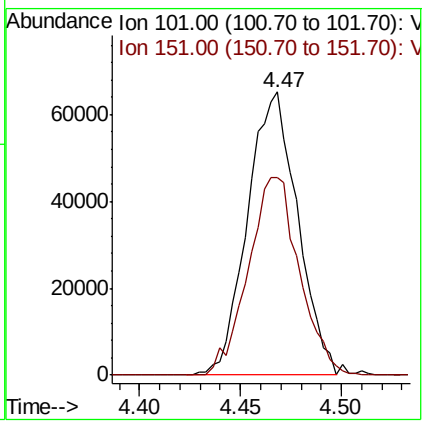


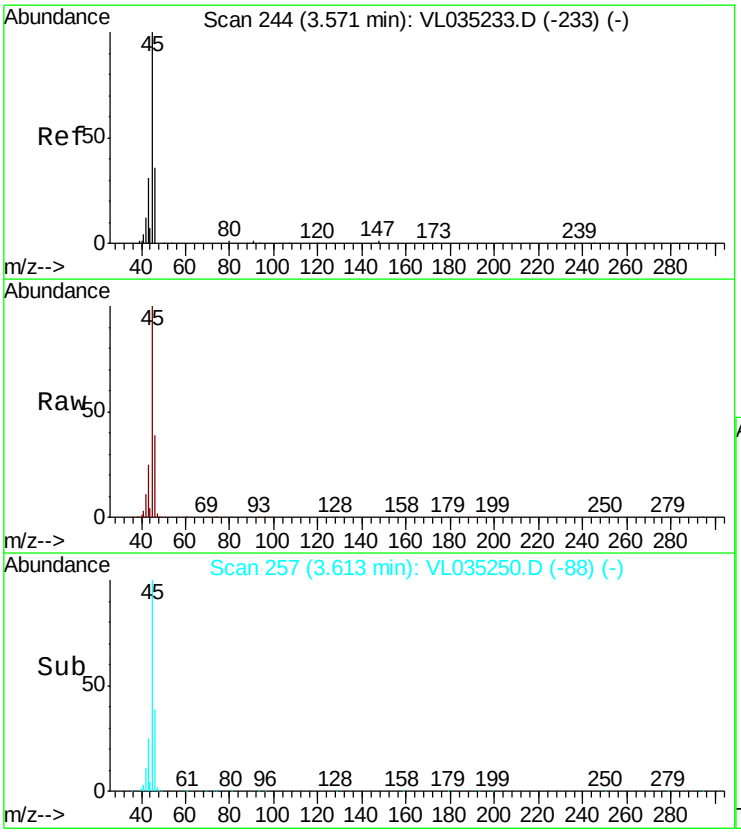
#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.015 ppbv
RT: 4.47 min Scan# 523
Delta R.T. 0.01 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 112944

Ion	Ratio	Lower	Upper
101	100		
151	71.5	56.6	85.0

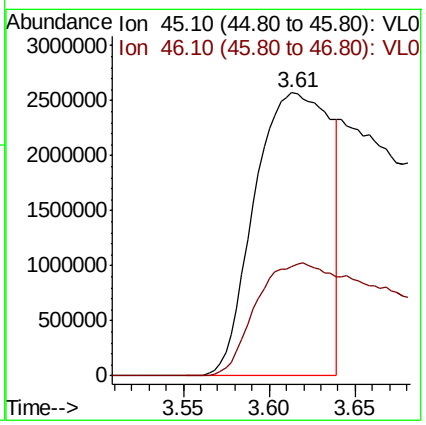


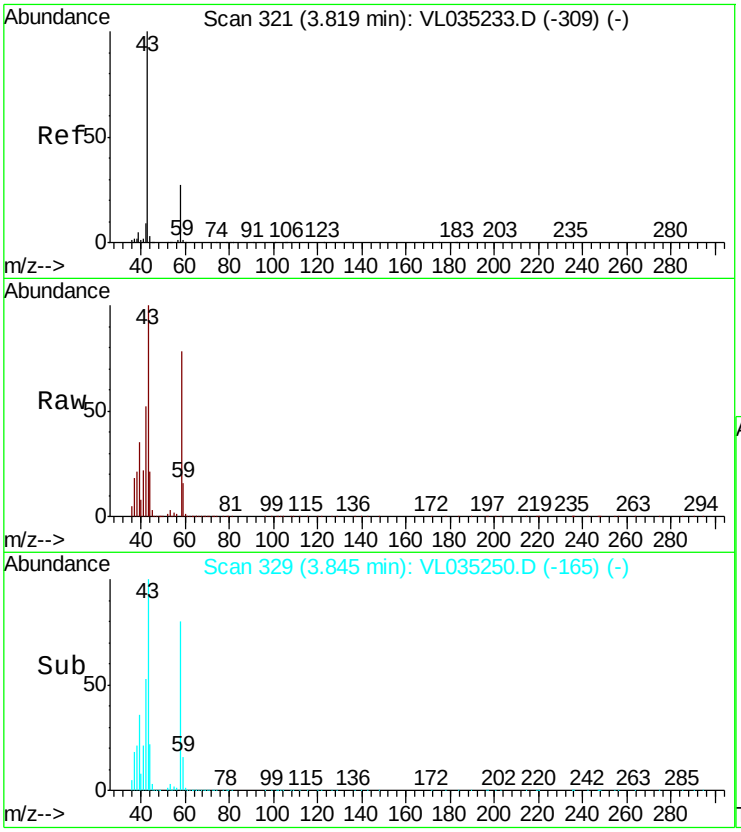


#13
Ethanol
Concen: 513.142 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.04 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 45 Resp: 7869767

Ion	Ratio	Lower	Upper
45	100		
46	89.1	15.8	63.4#



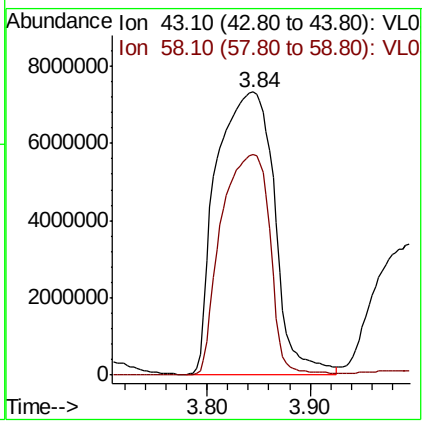


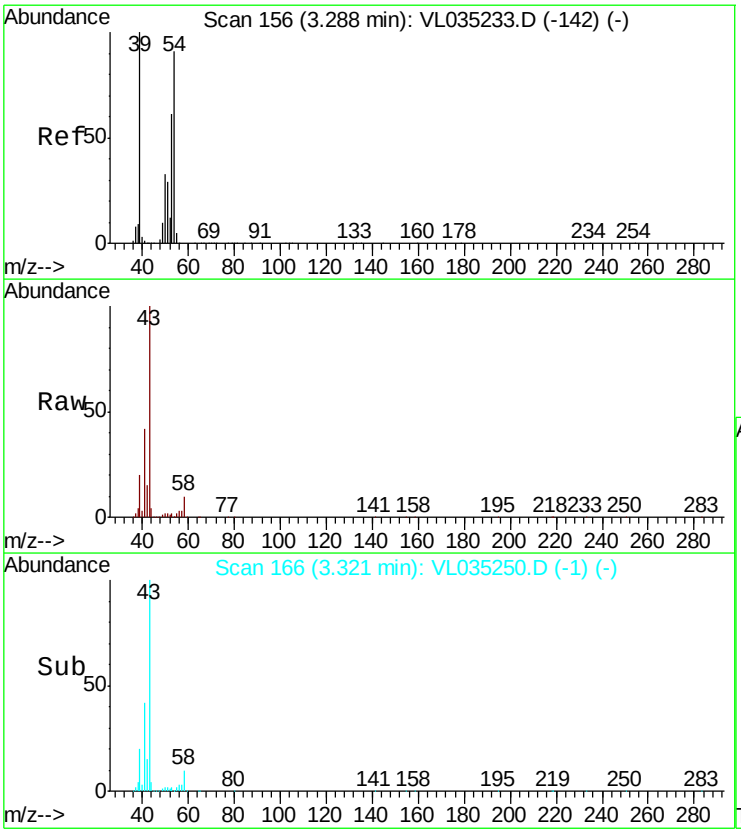
#15
Acetone
Concen: 218.322 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.03 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp:28438877

Ion	Ratio	Lower	Upper
43	100		
58	65.9	21.8	32.6#

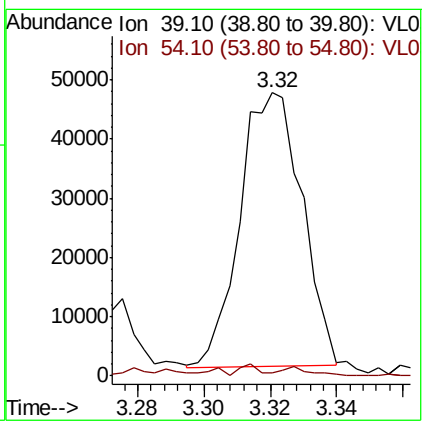


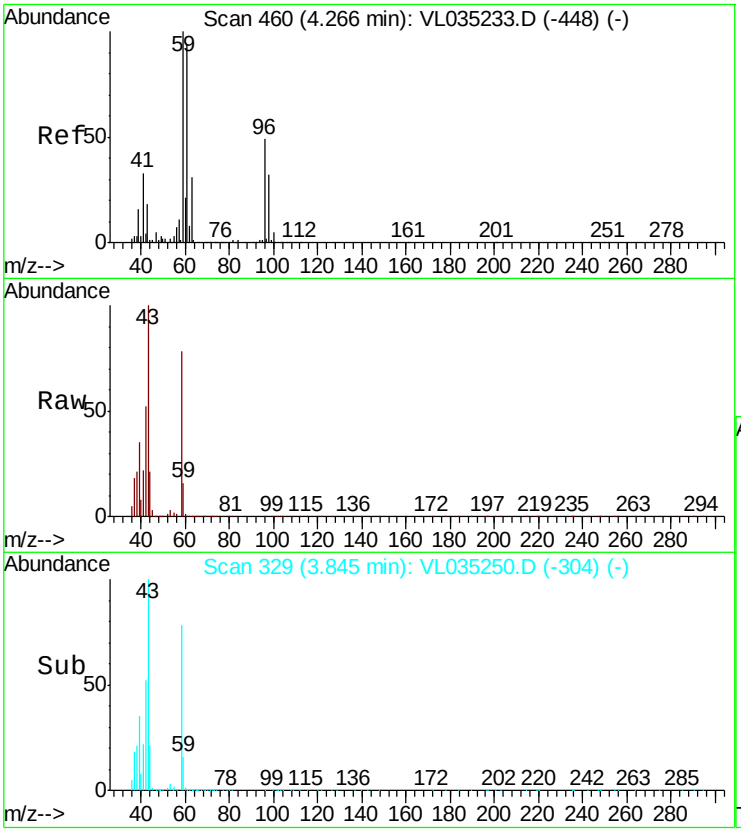


#16
1,3-Butadiene
Concen: 1.185 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.03 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 39 Resp: 60212

Ion	Ratio	Lower	Upper
39	100		
54	6.4	68.2	102.2#



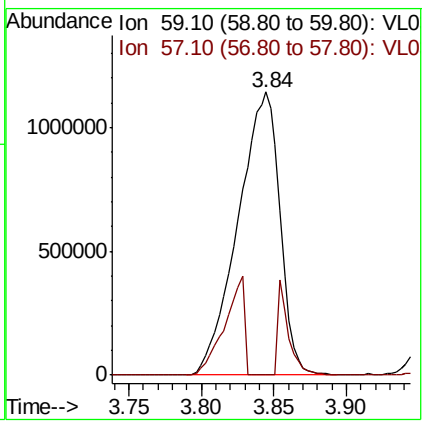


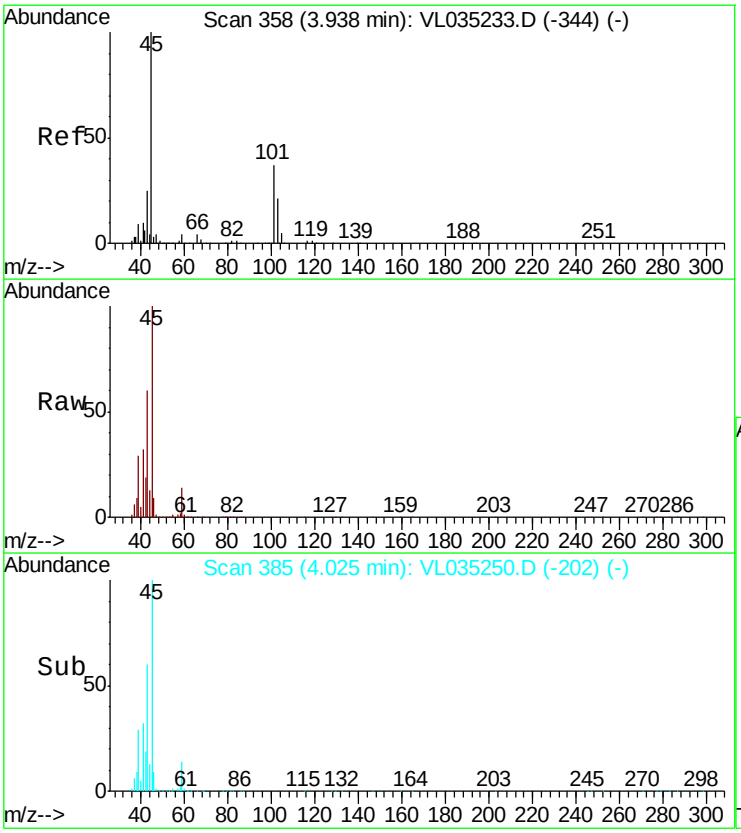
#17
tert-Butyl alcohol
Concen: 18.212 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.42 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 2289598

Ion	Ratio	Lower	Upper
59	100		
57	8.6	8.6	12.8

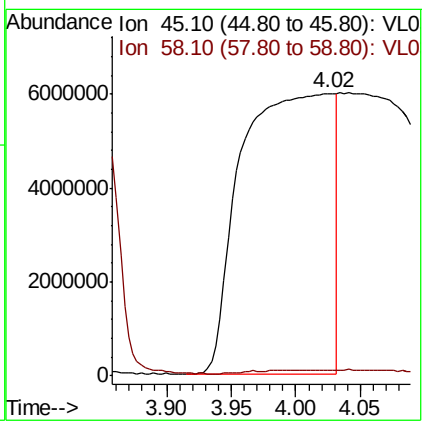


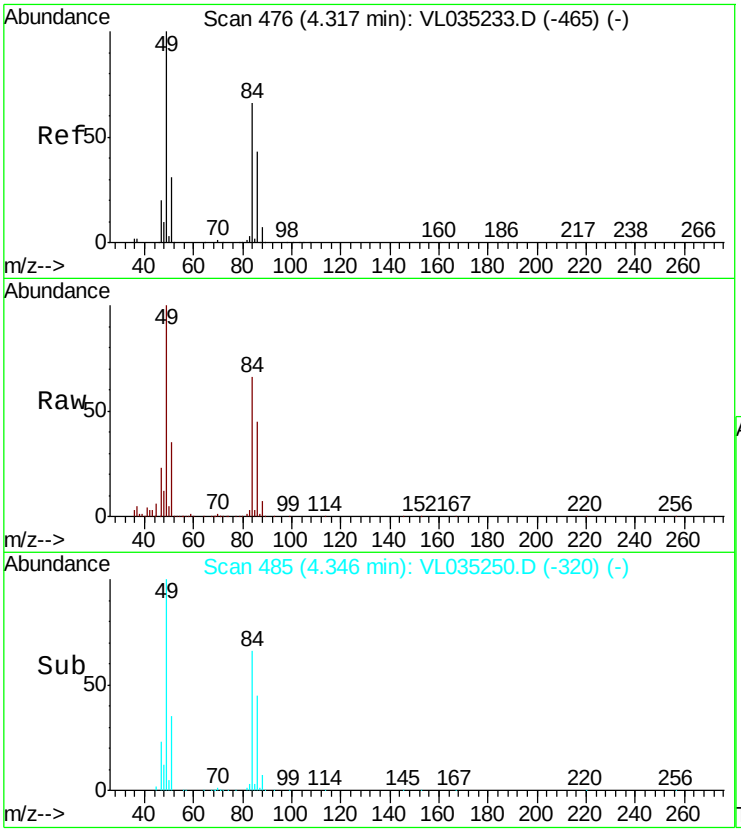


#19
Isopropyl Alcohol
Concen: 340.943 ppbv
RT: 4.02 min Scan# 385
Delta R.T. 0.09 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 45 Resp:29290595

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.9	2.9#



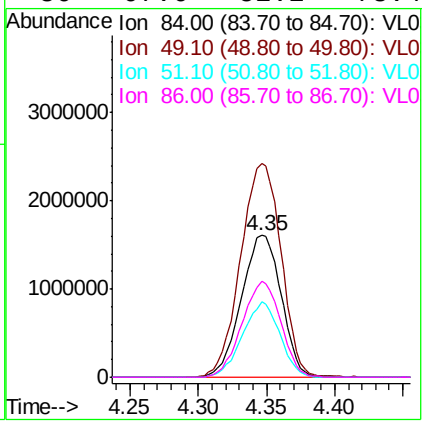


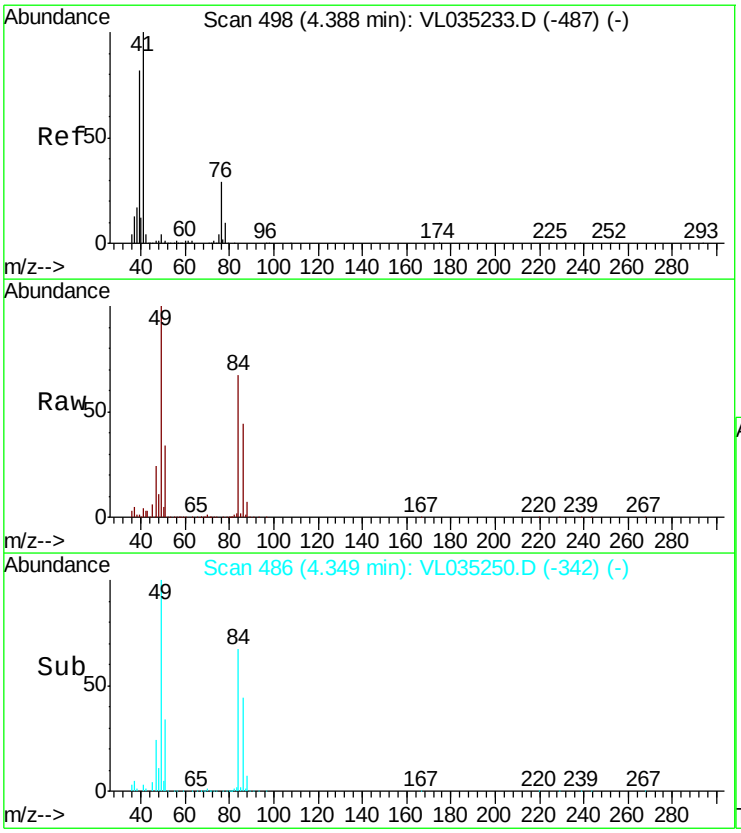
#20
Methylene Chloride
Concen: 55.135 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.03 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 3269233

Ion	Ratio	Lower	Upper
84	100		
49	150.6	121.0	181.4
51	53.0	37.7	56.5
86	67.6	52.2	78.4

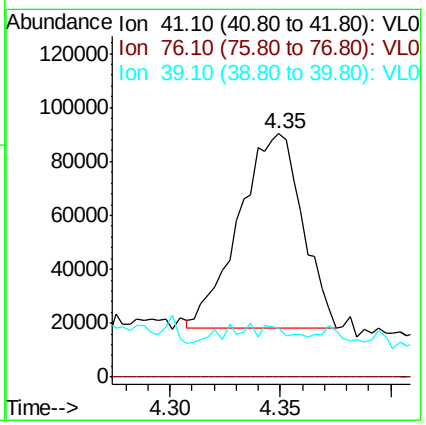


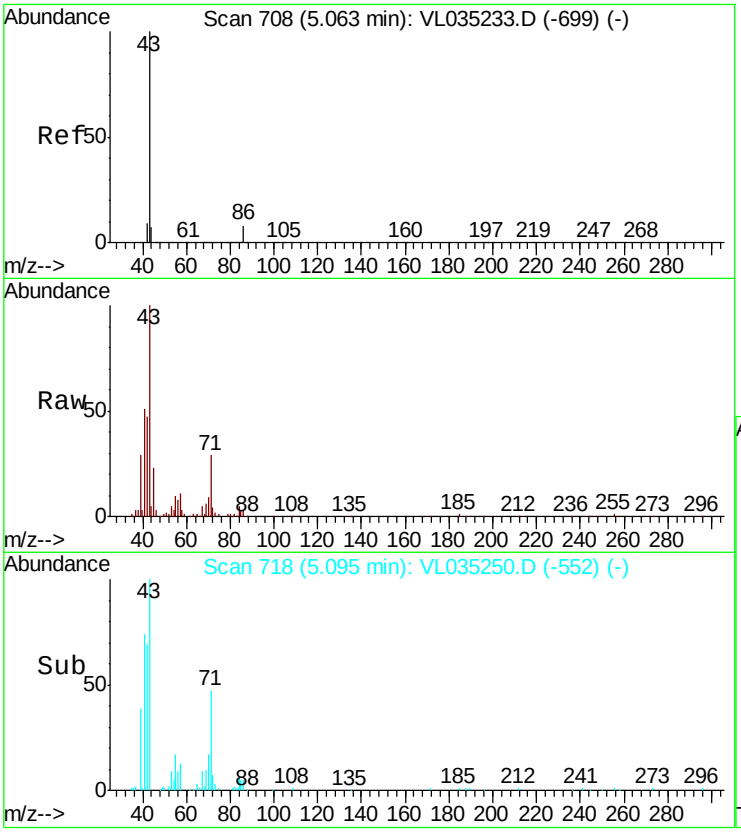


#21
Allyl Chloride
Concen: 1.924 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.04 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 41 Resp: 142743

Ion	Ratio	Lower	Upper
41	100		
76	10.2	24.4	36.6#
39	0.0	63.8	95.8#



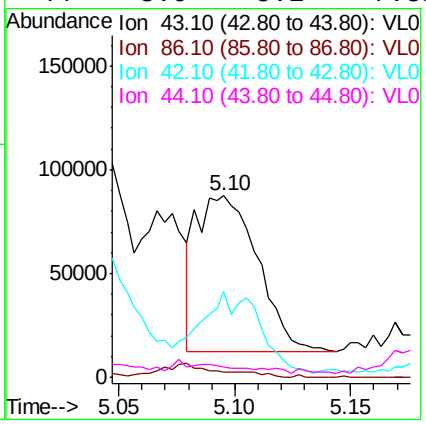


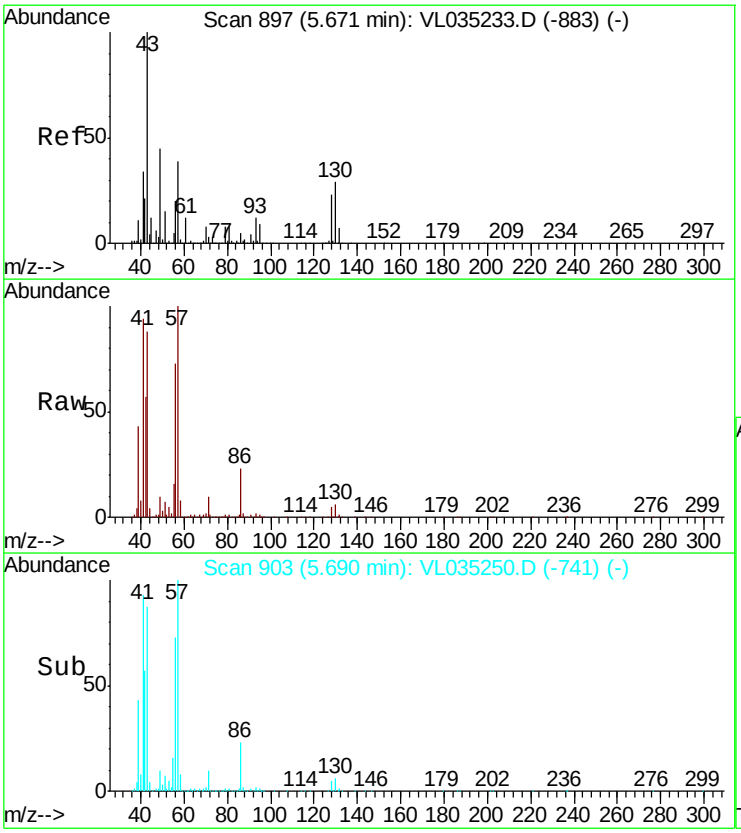
#23
Vinyl Acetate
Concen: 1.045 ppbv
RT: 5.10 min Scan# 718
Delta R.T. 0.03 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 136779

Ion	Ratio	Lower	Upper
43	100		
86	3.1	6.2	9.2#
42	50.3	8.0	12.0#
44	3.9	5.2	7.8#

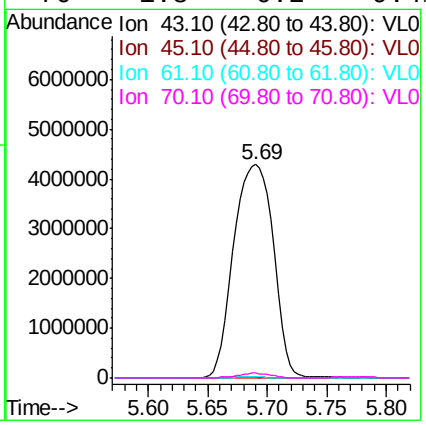


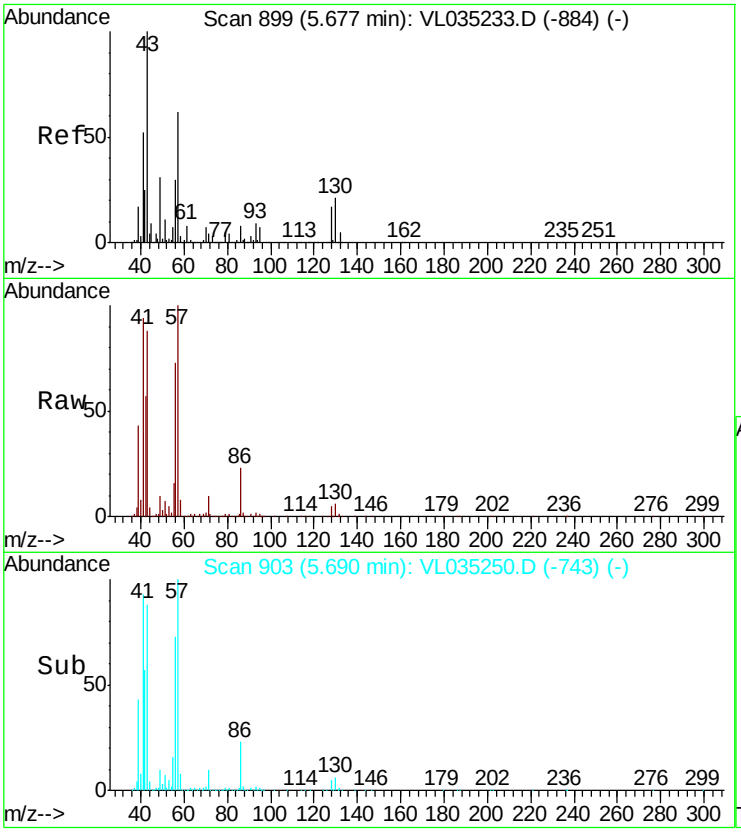


#25
Ethyl Acetate
Concen: 48.797 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 43 Resp: 9926225

Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.5	12.7#
61	0.4	8.1	12.1#
70	1.8	6.2	9.4#



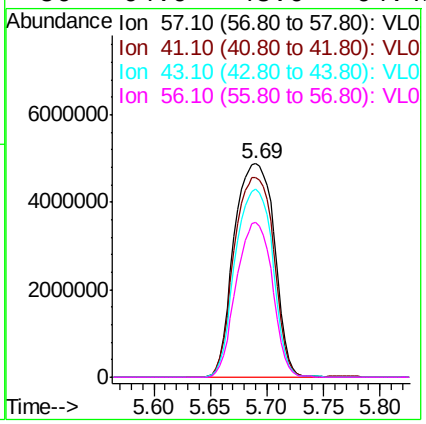


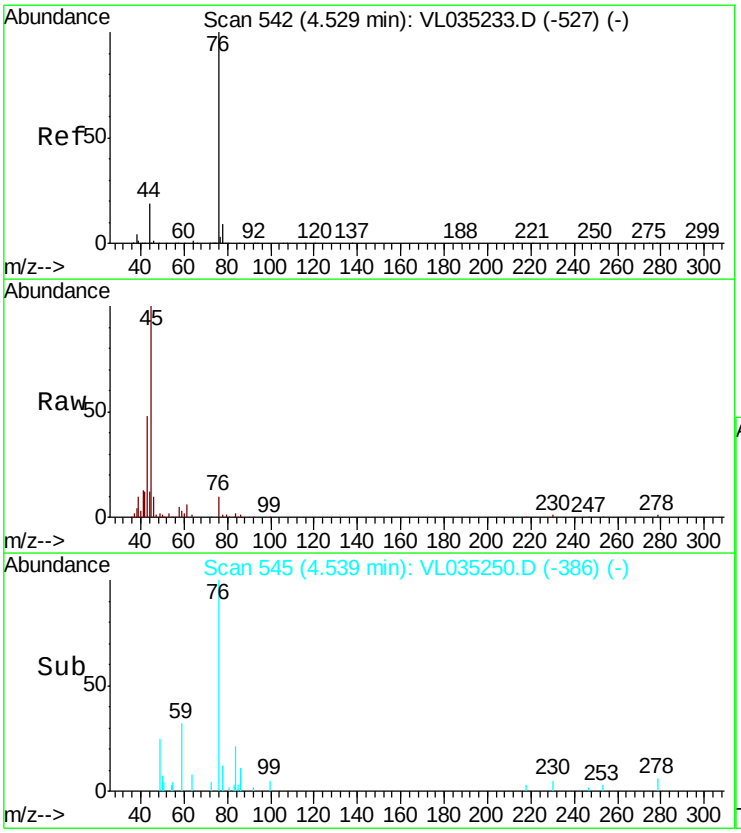
#26
Hexane
Concen: 132.173 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp:12129281

Ion	Ratio	Lower	Upper
57	100		
41	91.7	73.9	110.9
43	82.1	177.6	266.4#
56	64.9	43.0	64.4#

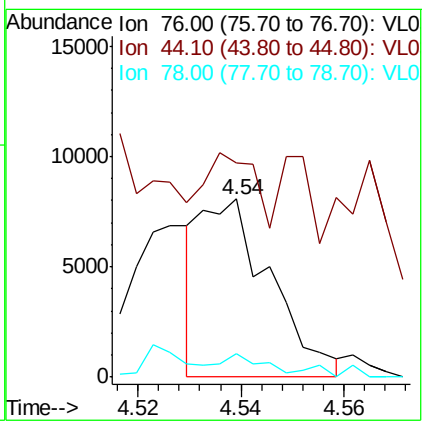


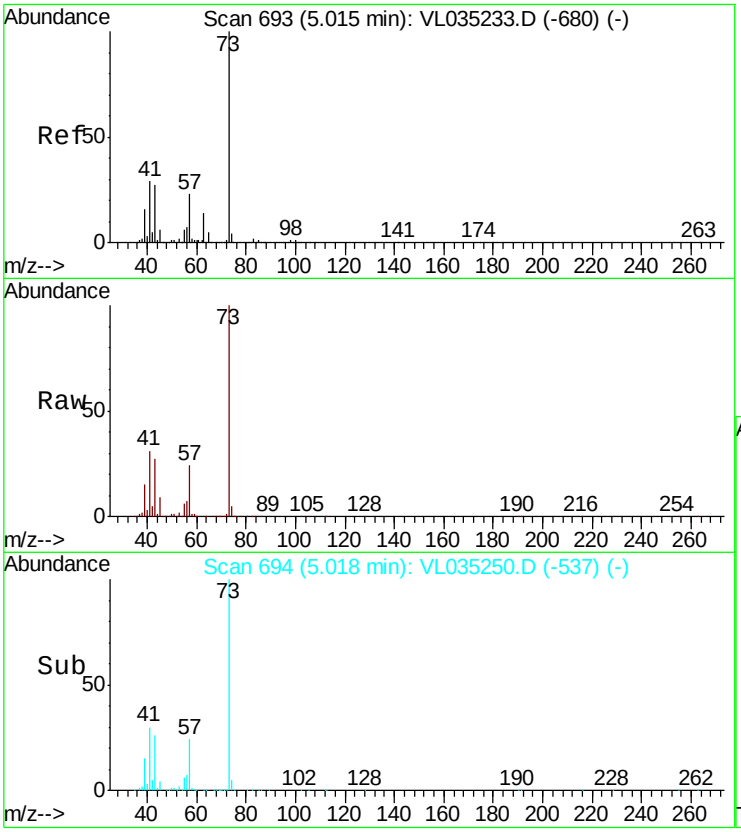


#27
Carbon Disulfide
Concen: 0.061 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.01 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 76 Resp: 7566

Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.7	22.1#
78	0.0	7.6	11.4#



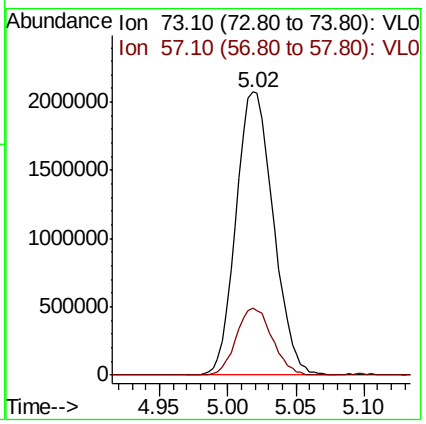


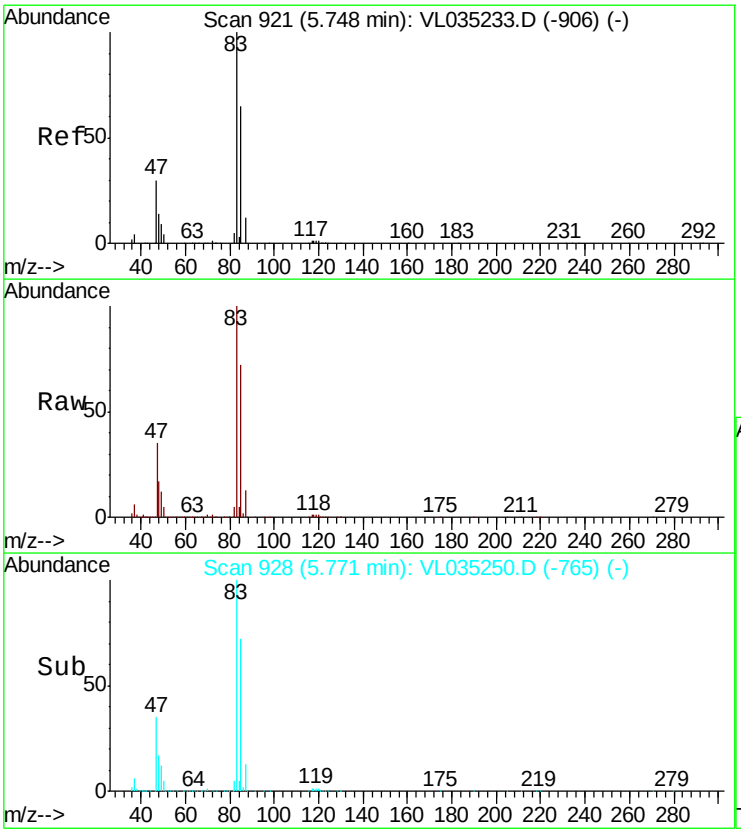
#28
Methyl tert-Butyl Ether
Concen: 30.155 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 73 Resp: 3955928

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.2	27.4

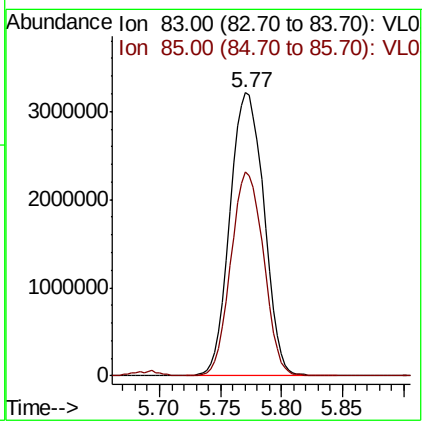


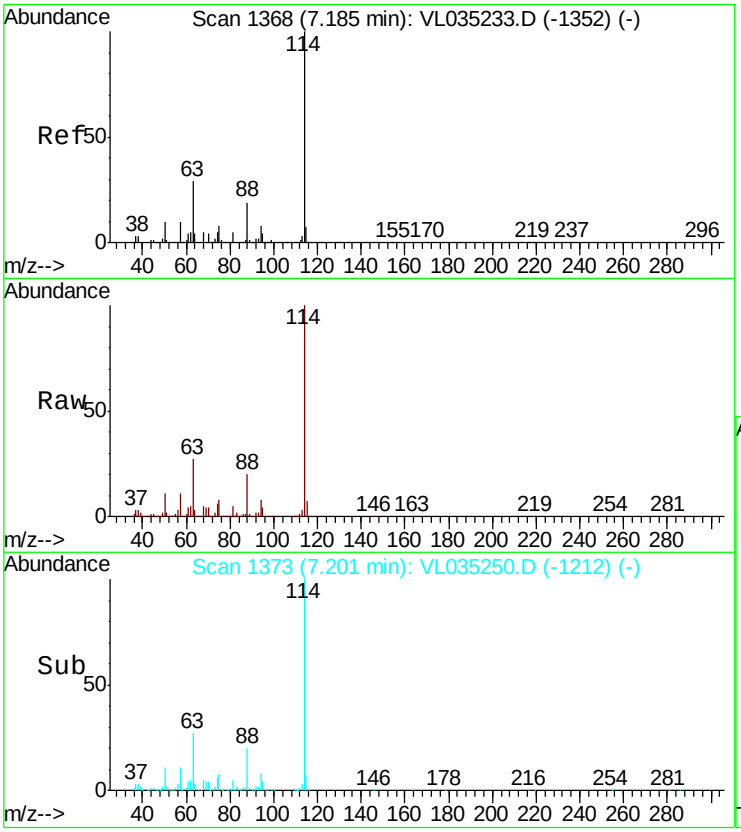


#29
Chloroform
Concen: 40.405 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.02 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 83 Resp: 6218749

Ion	Ratio	Lower	Upper
83	100		
85	72.0	51.7	77.5



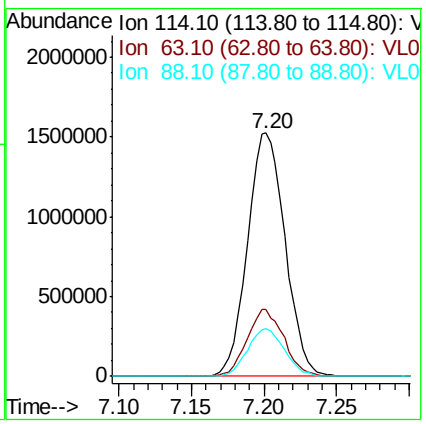


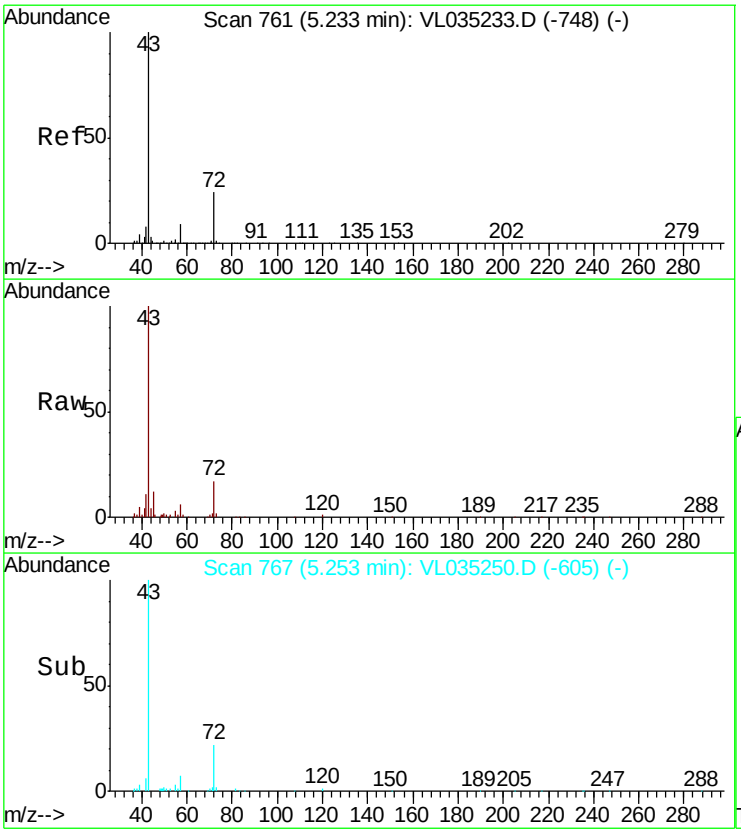
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. 0.02 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2752752

Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.2	33.2
88	19.2	15.4	23.0

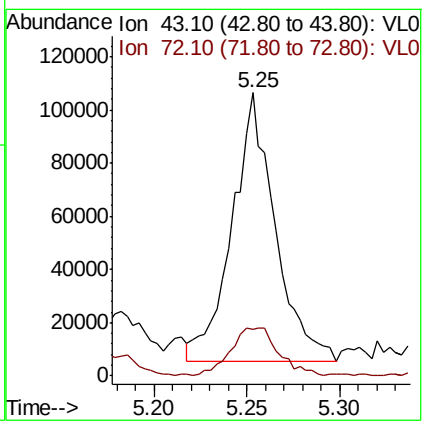


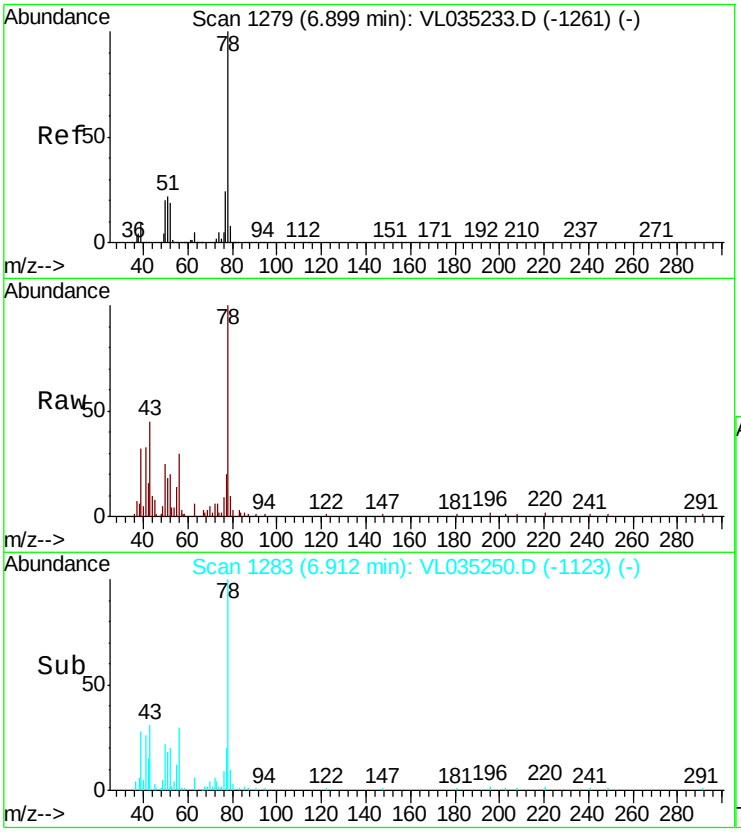


#34
2-Butanone
Concen: 1.156 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.02 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 43 Resp: 161911

Ion	Ratio	Lower	Upper
43	100		
72	20.8	19.2	28.8



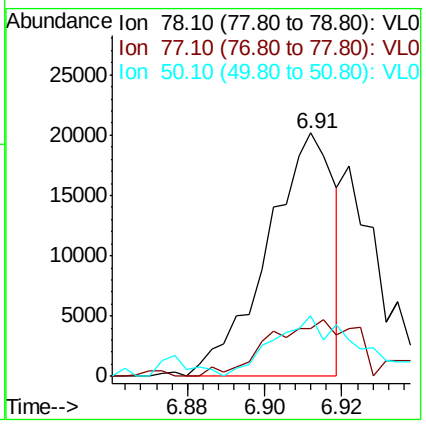


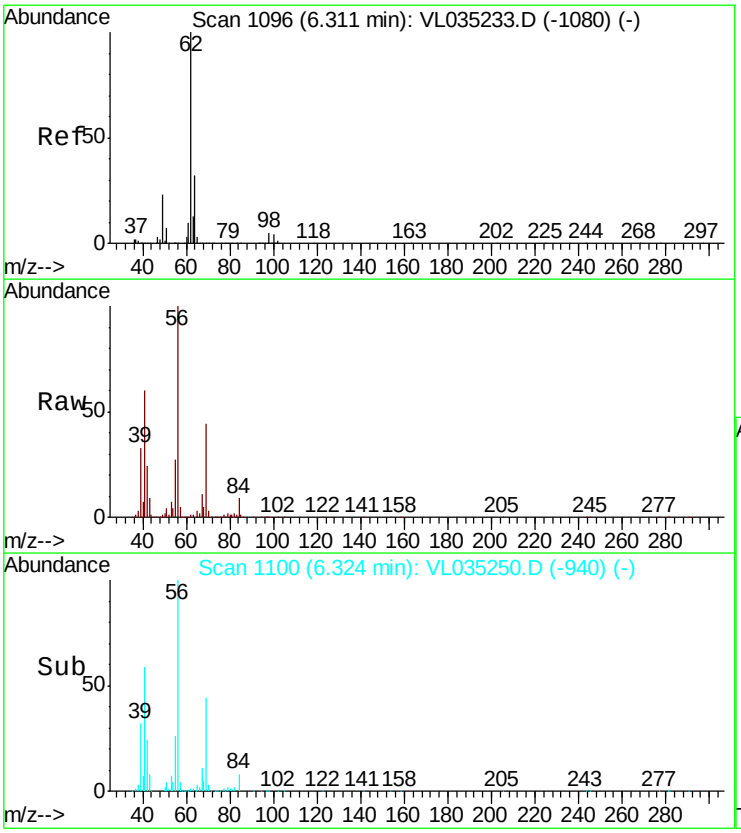
#36
Benzene
Concen: 0.127 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 24263

Ion	Ratio	Lower	Upper
78	100		
77	19.7	18.9	28.3
50	21.8	16.1	24.1

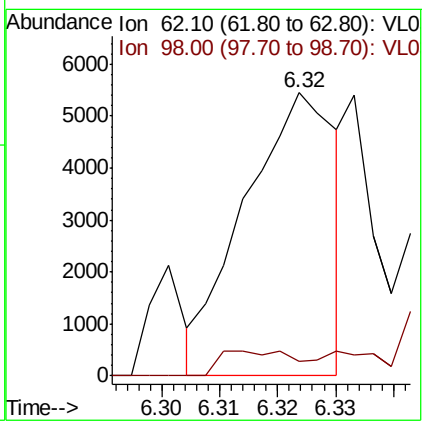


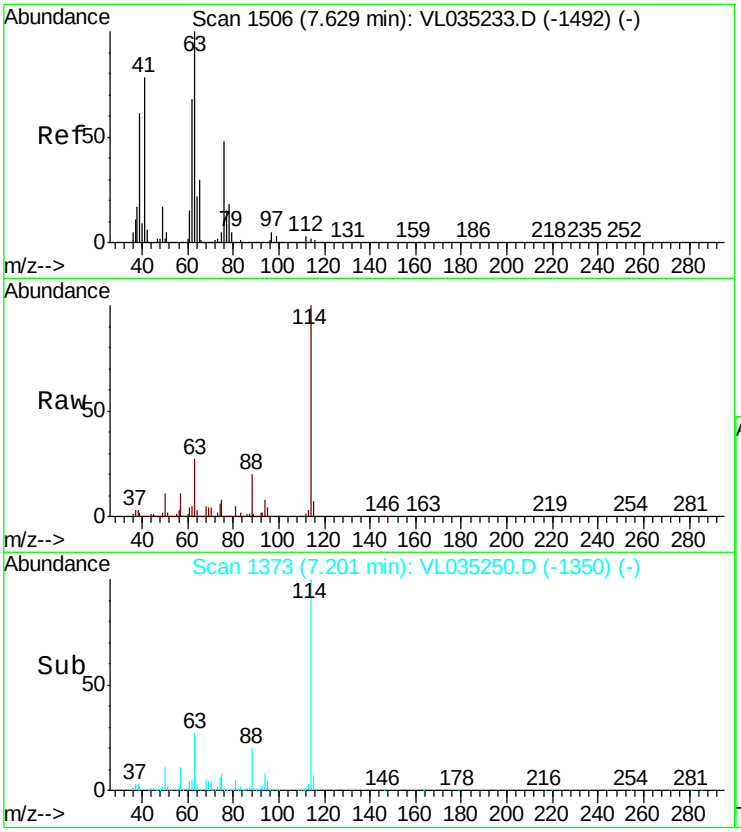


#37
1,2-Dichloroethane
Concen: 0.044 ppbv
RT: 6.32 min Scan# 1100
Delta R.T. 0.01 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 62 Resp: 5934

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.5	6.7#



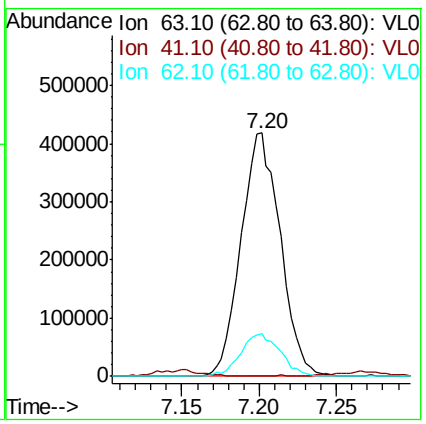


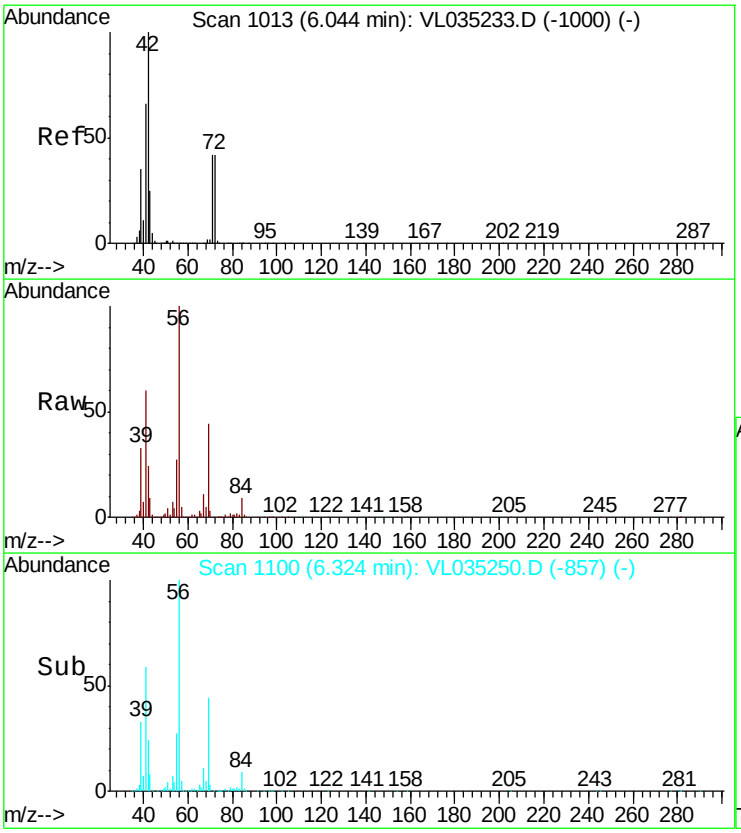
#39
1,2-Dichloropropane
Concen: 9.629 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. -0.43 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 734985

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.2	93.4#
62	17.3	54.2	81.2#

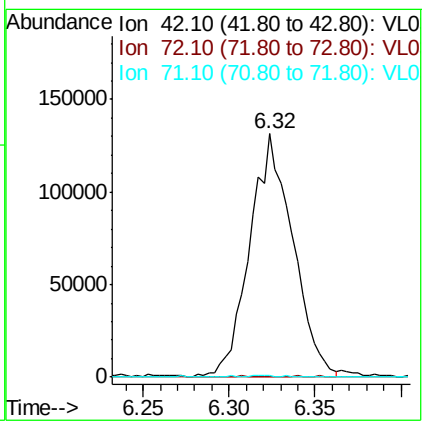


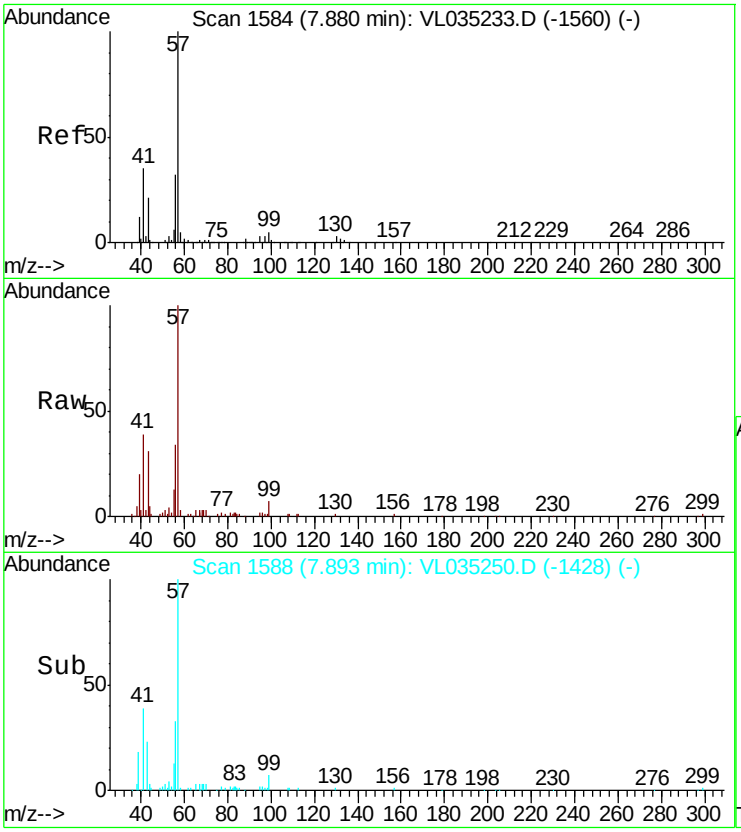


#41
Tetrahydrofuran
Concen: 3.300 ppbv
RT: 6.32 min Scan# 1100
Delta R.T. 0.28 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 42 Resp: 226555

Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.2#
71	0.0	33.2	49.8#



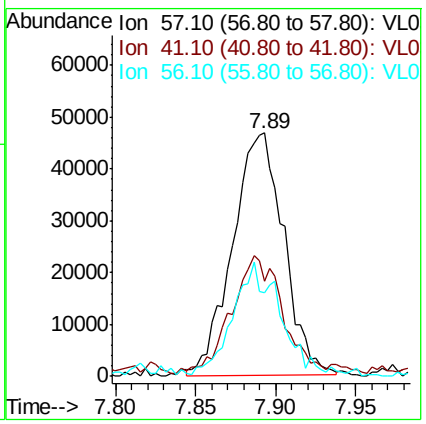


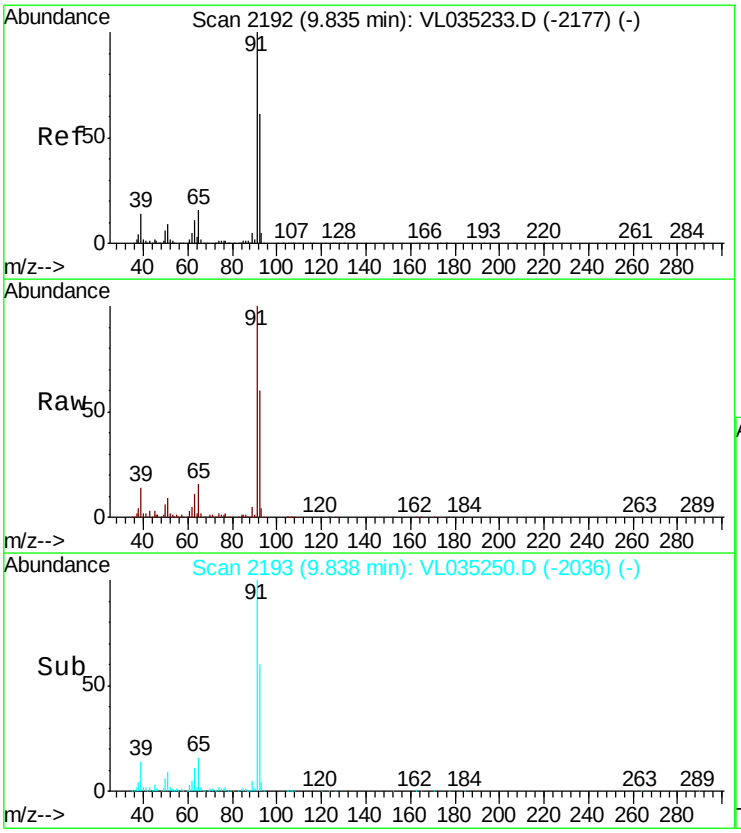
#44
2,2,4-Trimethylpentane
Concen: 0.305 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 102696

Ion	Ratio	Lower	Upper
57	100		
41	52.0	27.0	40.4#
56	46.3	25.6	38.4#

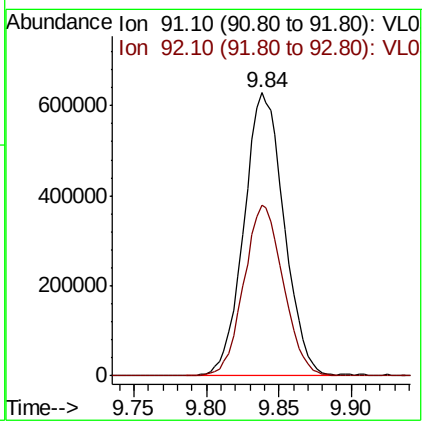


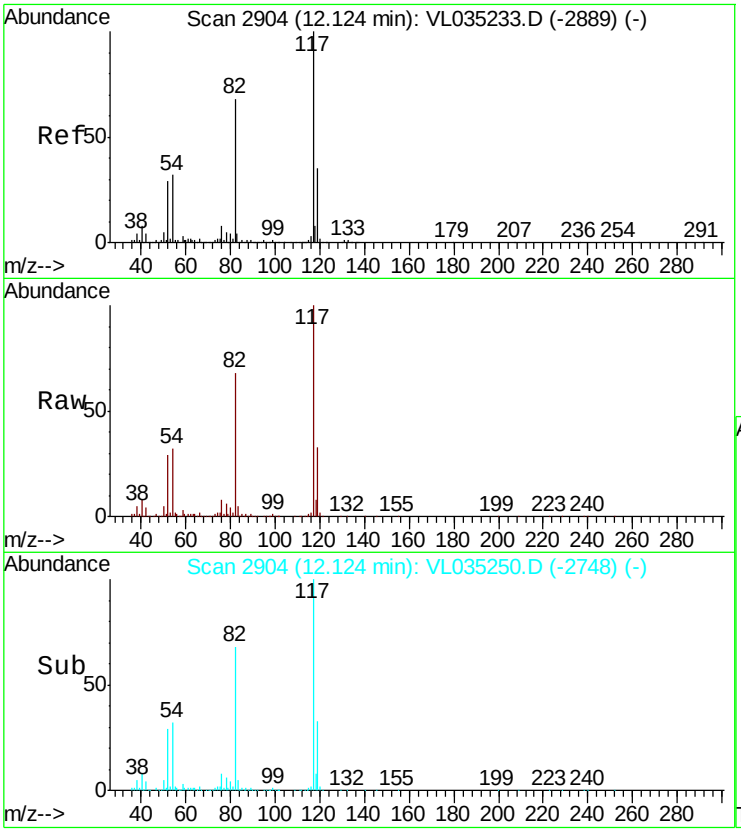


#53
Toluene
Concen: 5.960 ppbv
RT: 9.84 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 91 Resp: 1211863

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.5	72.7



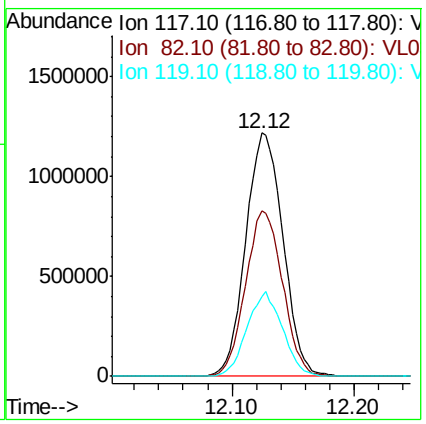


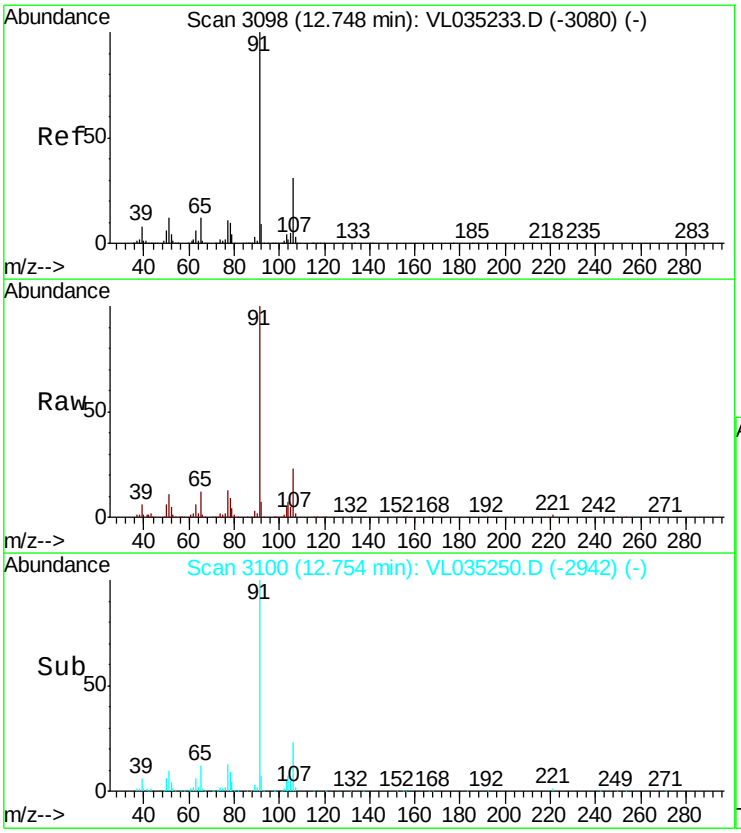
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2566982

Ion	Ratio	Lower	Upper
117	100		
82	67.5	52.4	78.6
119	33.2	24.6	36.8

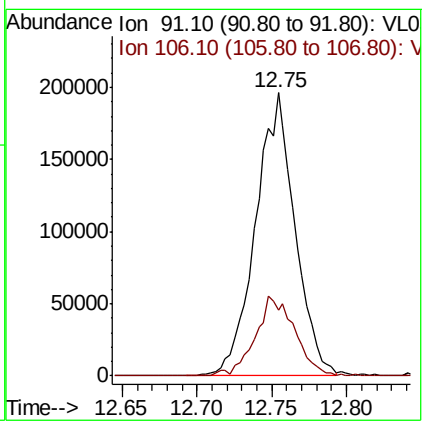


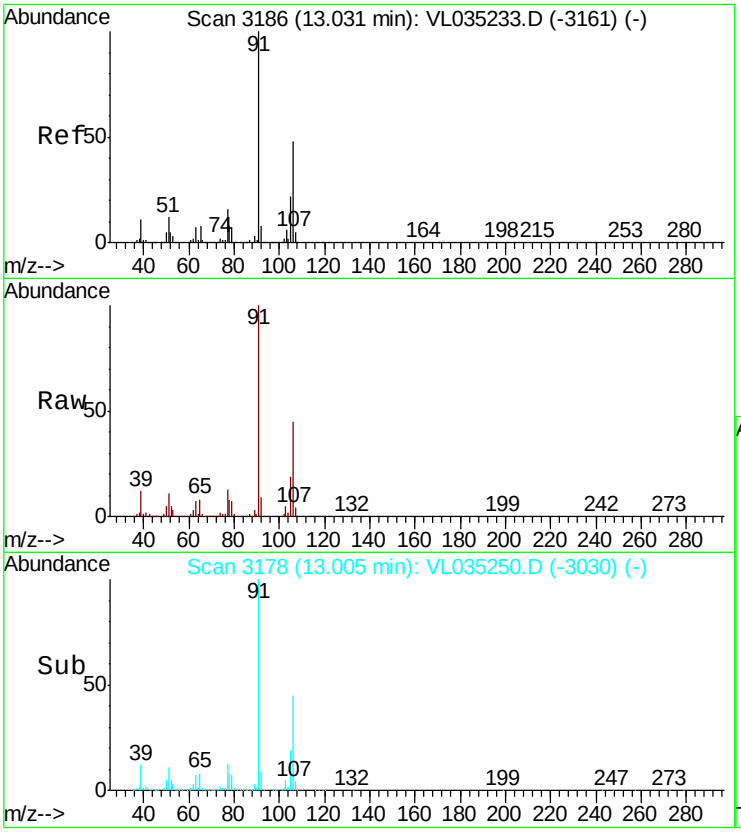


#58
Ethyl Benzene
Concen: 1.321 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. 0.01 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 91 Resp: 359229

Ion	Ratio	Lower	Upper
91	100		
106	23.0	25.0	37.6#



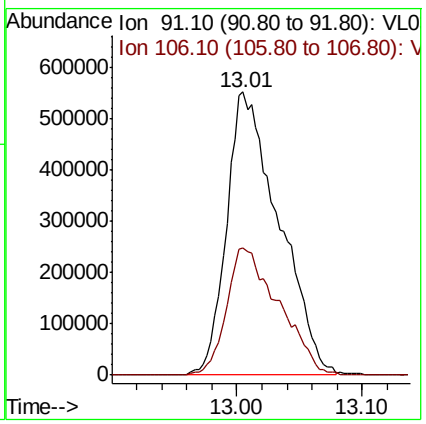


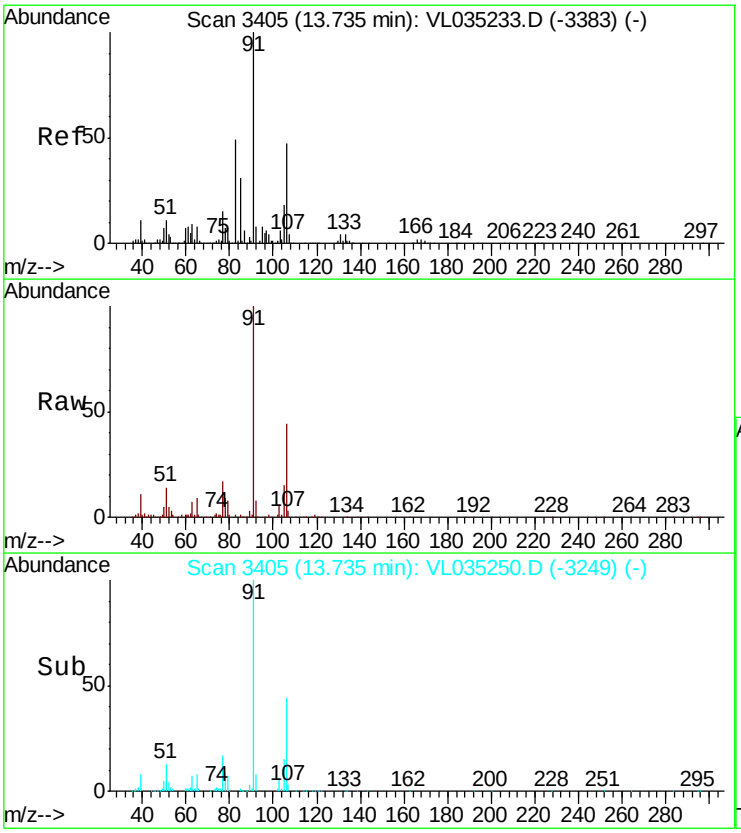
#59
m/p-Xylene
Concen: 6.257 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.03 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 1583740

Ion	Ratio	Lower	Upper
91	100		
106	45.3	37.2	55.8

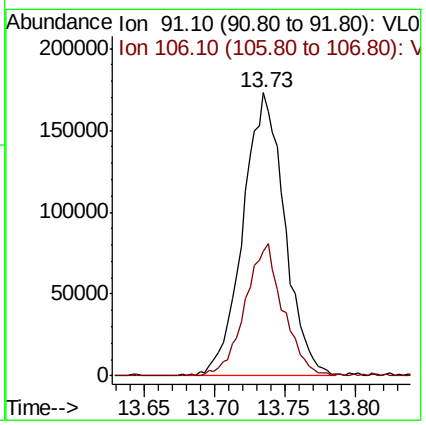


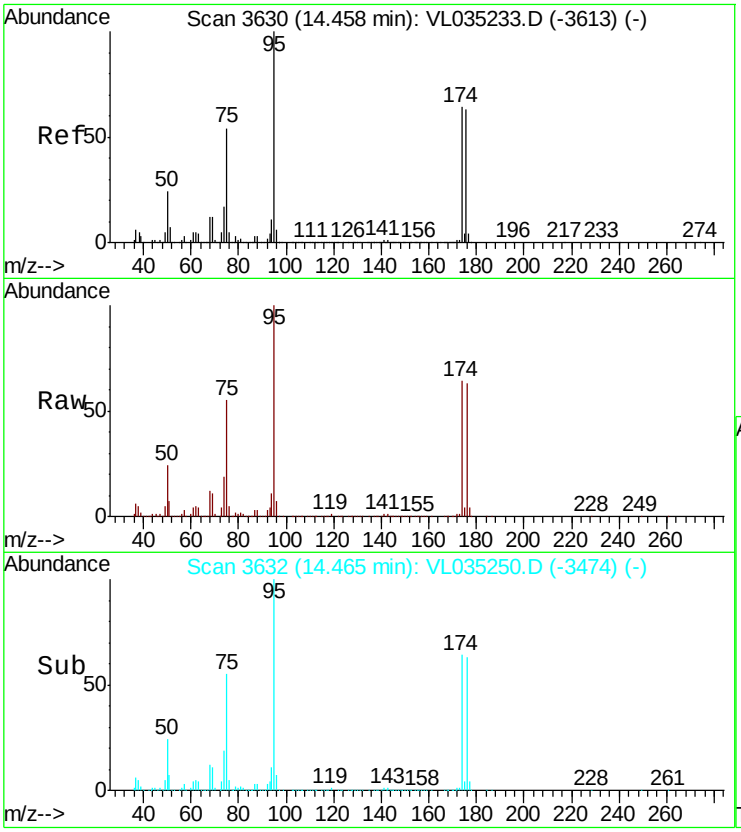


#60
o-Xylene
Concen: 1.406 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion: 91 Resp: 354979

Ion	Ratio	Lower	Upper
91	100		
106	43.4	22.4	67.0



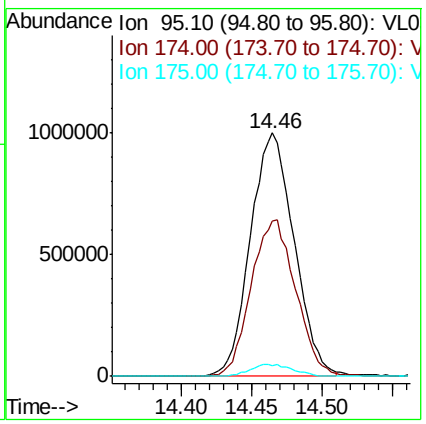


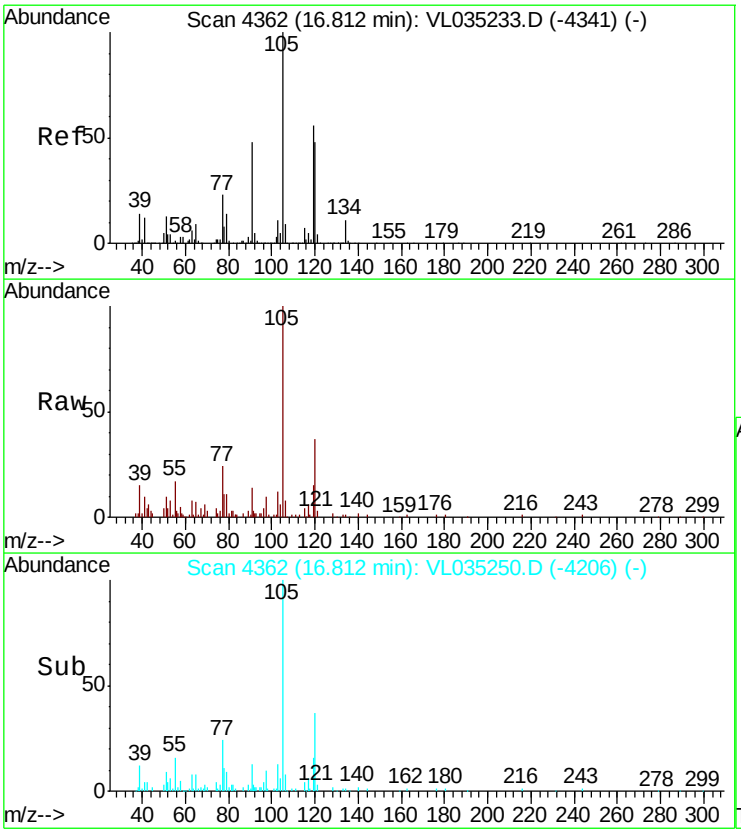
#68
1-Bromo-4-Fluorobenzene
Concen: 10.522 ppbv
RT: 14.46 min Scan# 3632
Delta R.T. 0.01 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2158227

Ion	Ratio	Lower	Upper
95	100		
174	66.3	52.7	79.1
175	4.9	3.9	5.9

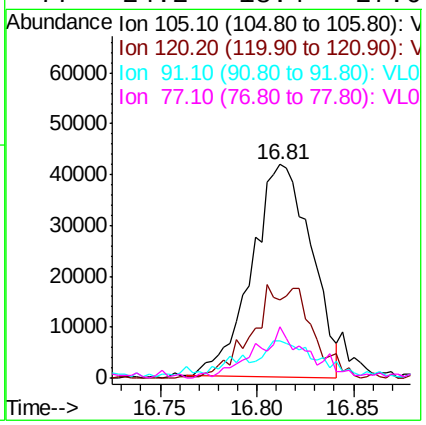


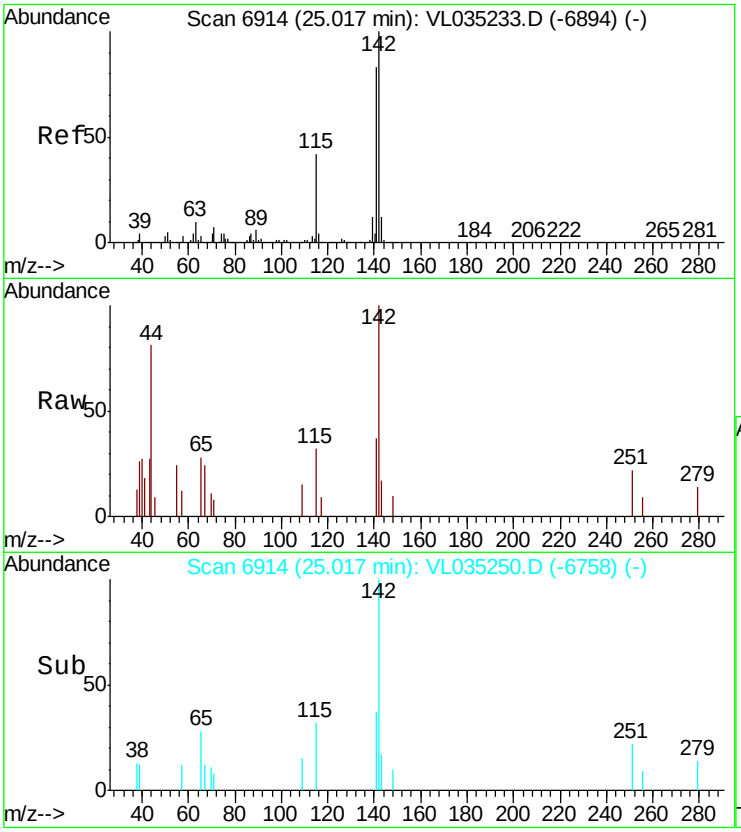


#74
1,2,4-Trimethylbenzene
Concen: 0.276 ppbv
RT: 16.81 min Scan# 4362
Delta R.T. 0.00 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Tgt Ion:105 Resp: 89215

Ion	Ratio	Lower	Upper
105	100		
120	36.5	38.8	58.2#
91	12.3	38.9	58.3#
77	24.2	18.4	27.6





#80
Naphthalene,2-methyl-
Concen: 0.041 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.00 min
Lab File: VL035250.D
Acq: 29 Jul 2020 17:31

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 3394

Ion	Ratio	Lower	Upper
142	100		
141	75.3	68.6	103.0
115	44.0	34.5	51.7