Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091420\
Data File : VL035610.D
Acq On : 14 Sep 2020 22:17
Operator : SY/AP
Sample : L3983-04DL40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Quant Time: Sep 15 06:43:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1065406	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4585339	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	4594516	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	3461345	10.61	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.10%				
Target Compounds							Qvalue
4) Chloromethane	3.13	50	5014	0.079	ppbv		95
9) Propene	3.00	41	294113	6.474	ppbv		94
10) Heptane	8.12	43	18927	0.155	ppbv		93
13) Ethanol	3.60	45	30134	2.675	ppbv		97
15) Acetone	3.84	43	1578682	13.435	ppbv		96
16) 1,3-Butadiene	3.29	39	174731	3.995	ppbv	#	12
17) tert-Butyl alcohol	4.29	59	64983	0.454	ppbv		99
19) Isopropyl Alcohol	3.97	45	21839	0.312	ppbv	#	93
20) Methylene Chloride	4.33	84	27943	0.319	ppbv		95
21) Allyl Chloride	4.39	41	2834	0.051	ppbv	#	1
23) Vinyl Acetate	5.05	43	17511	0.116	ppbv	#	77
25) Ethyl Acetate	5.67	43	29485	0.142	ppbv	#	87
26) Hexane	5.67	57	36909	0.314	ppbv	#	50
27) Carbon Disulfide	4.54	76	28428	0.168	ppbv	#	92
29) Chloroform	5.74	83	8892	0.037	ppbv	#	80
30) Cyclohexane	7.12	84	4520	0.036	ppbv	#	1
34) 2-Butanone	5.24	43	182957	1.344	ppbv		100
36) Benzene	6.88	78	29585	0.100	ppbv		95
38) Trichloroethene	7.83	130	35184	0.204	ppbv		97
39) 1,2-Dichloropropane	7.17	63	847151	8.449	ppbv	#	32
50) 4-Methyl-2-Pentanone	8.74	43	961824	4.881	ppbv		100
51) 2-Hexanone	10.14	43	34983	0.216	ppbv	#	61
52) Tetrachloroethene	11.22	164	6029773	34.774	ppbv	#	84
53) Toluene	9.80	91	319189	0.855	ppbv		97
58) Ethyl Benzene	12.71	91	72886	0.154	ppbv		92
59) m/p-Xylene	12.97	91	429236	1.084	ppbv		96
60) o-Xylene	13.69	91	144223	0.362	ppbv		99
64) n-propylbenzene	15.56	120	20069	0.103	ppbv		68
65) tert-Butylbenzene	16.76	119	19313	0.032	ppbv	#	32
70) n-Butylbenzene	18.55	91	27260	0.041	ppbv	#	71
72) 4-Ethyltoluene	15.84	105	109267	0.216	ppbv		95
73) 1,3,5-Trimethylbenzene	16.00	105	49041	0.105	ppbv		85
74) 1,2,4-Trimethylbenzene	16.76	105	235864	0.458	ppbv	#	70

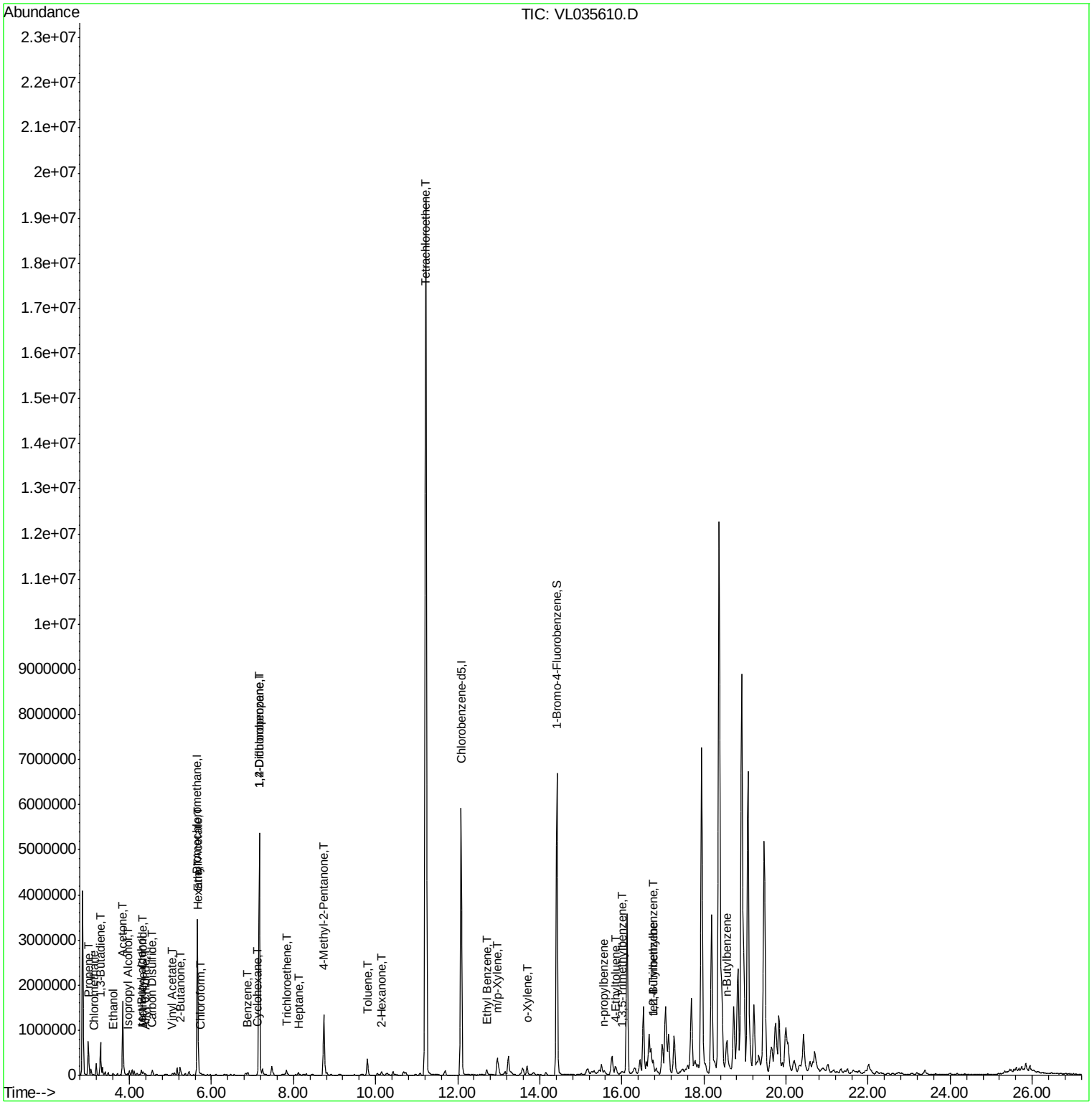
(#) = qualifier out of range (m) = manual integration (+) = signals summed

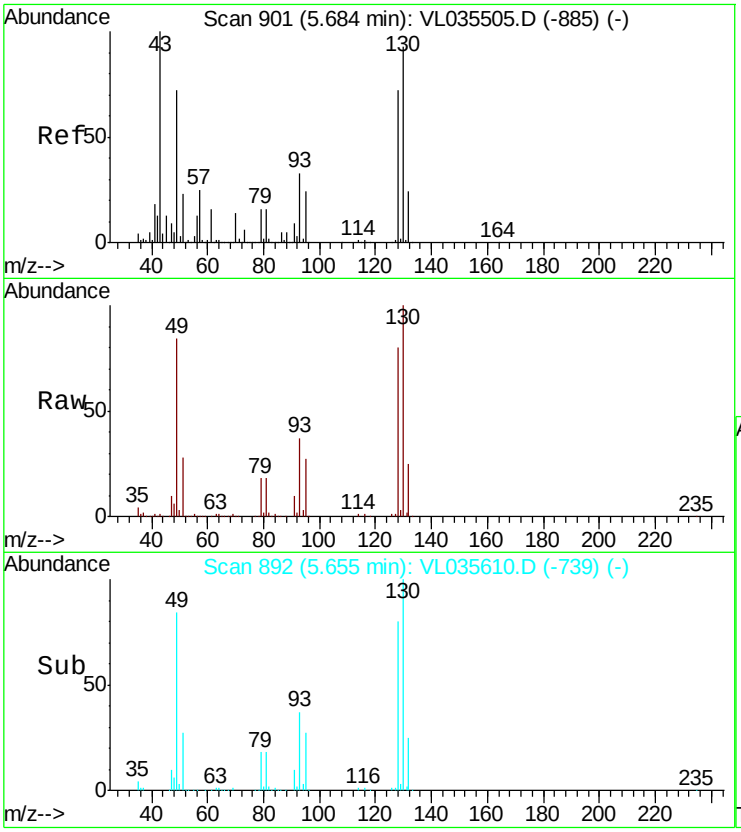
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091420\
Data File : VL035610.D
Acq On : 14 Sep 2020 22:17
Operator : SY/AP
Sample : L3983-04DL40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Quant Time: Sep 15 06:43:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration



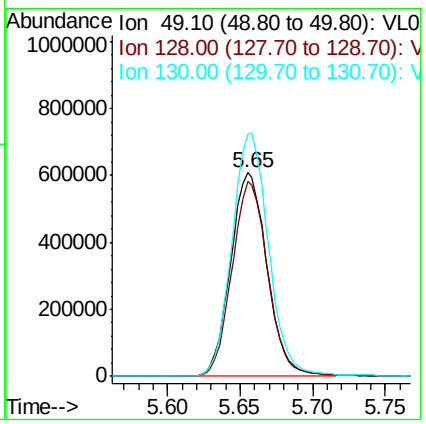


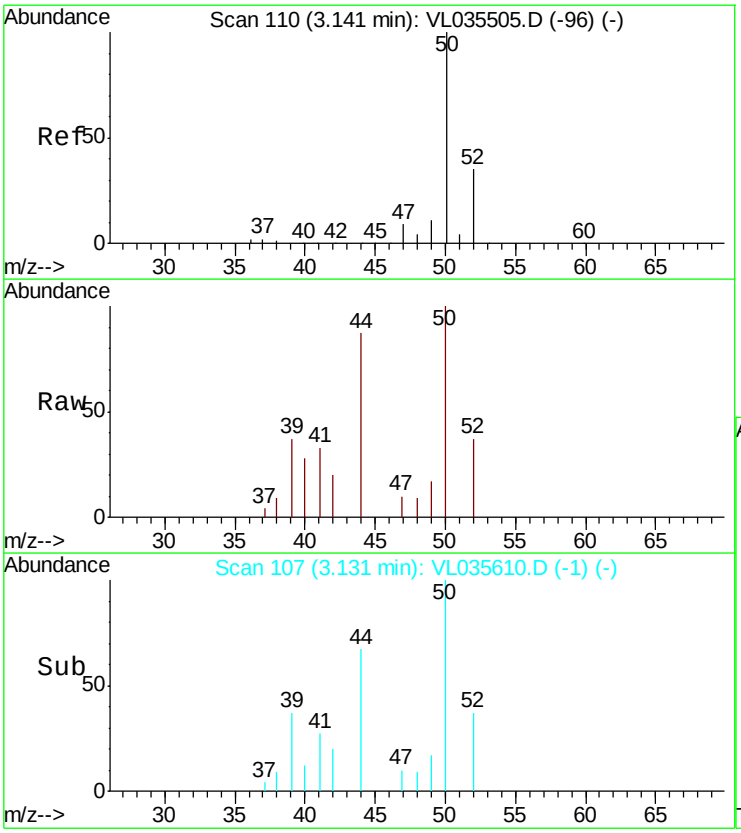
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 49 Resp: 1065406

Ion	Ratio	Lower	Upper
49	100		
128	94.8	50.0	150.1
130	120.8	64.4	193.2

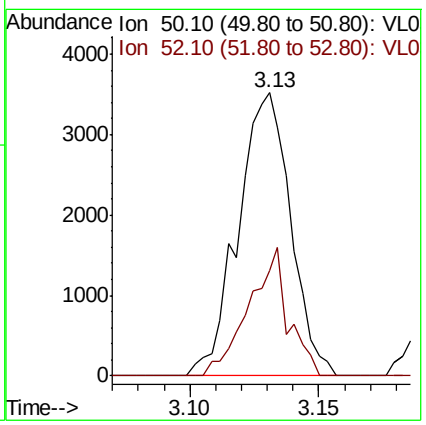


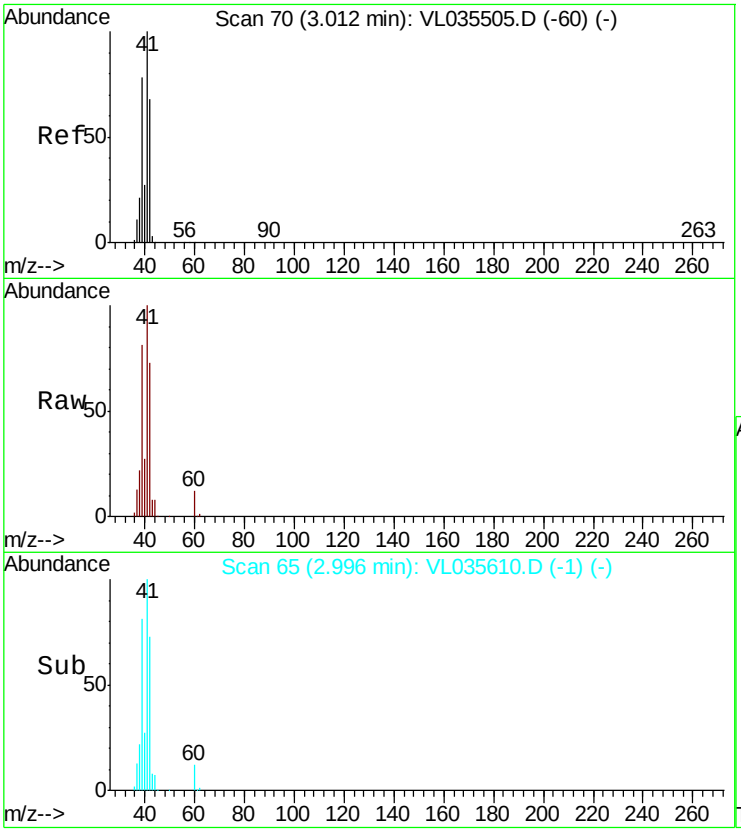


#4
Chloromethane
Concen: 0.079 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 50 Resp: 5014

Ion	Ratio	Lower	Upper
50	100		
52	37.3	27.7	41.5



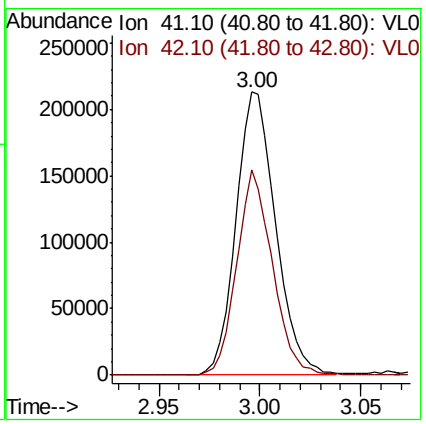


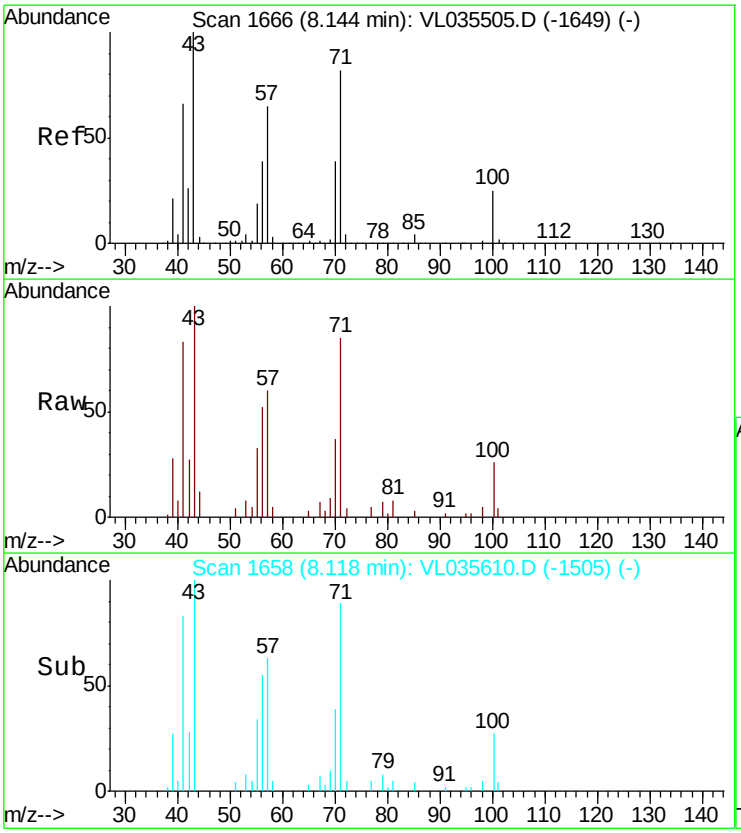
#9
Propene
Concen: 6.474 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.00 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 41 Resp: 294113

Ion	Ratio	Lower	Upper
41	100		
42	65.8	56.3	84.5

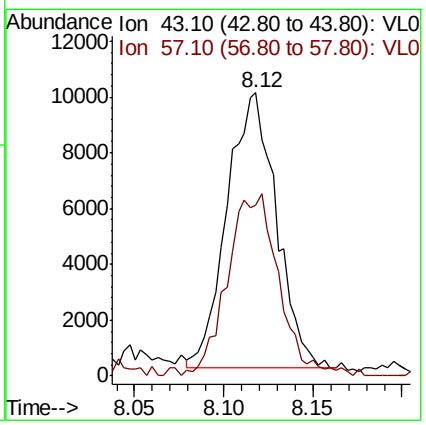


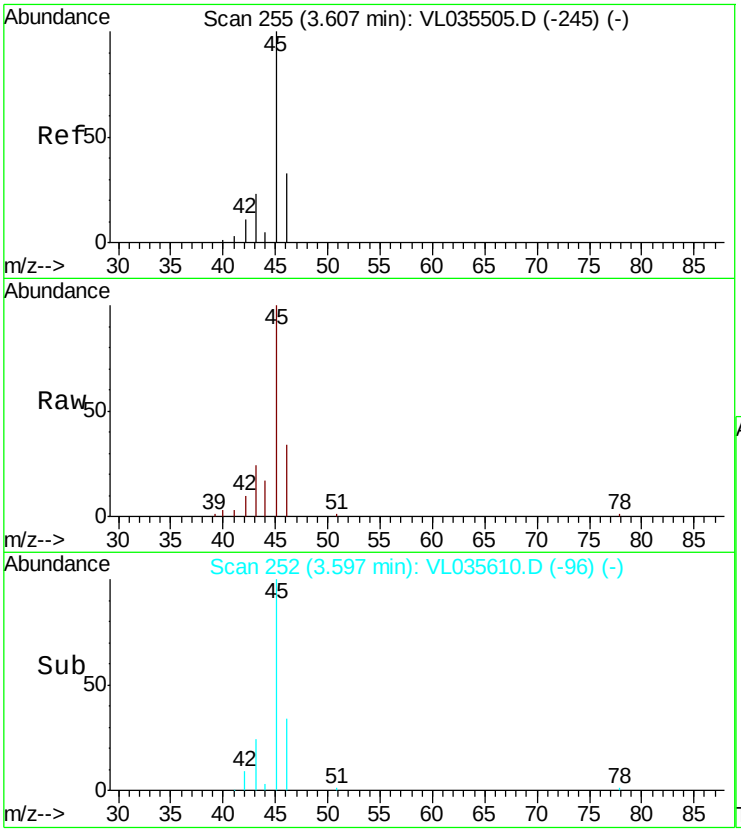


#10
Heptane
Concen: 0.155 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 43 Resp: 18927

Ion	Ratio	Lower	Upper
43	100		
57	69.3	51.4	77.0



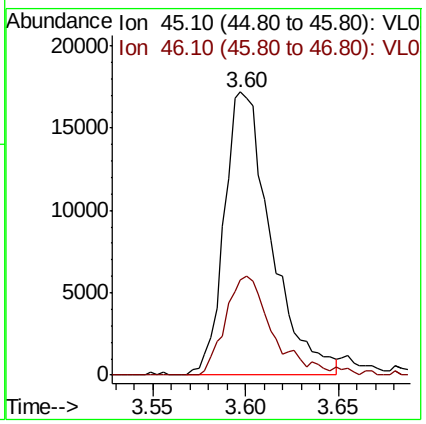


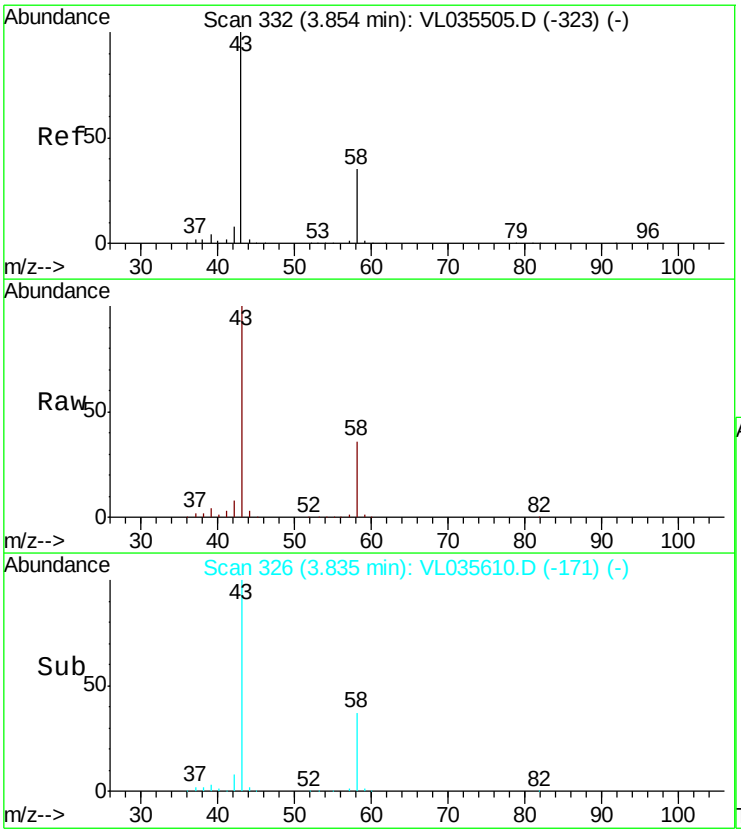
#13
Ethanol
Concen: 2.675 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.00 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 45 Resp: 30134

Ion	Ratio	Lower	Upper
45	100		
46	35.8	15.2	60.6

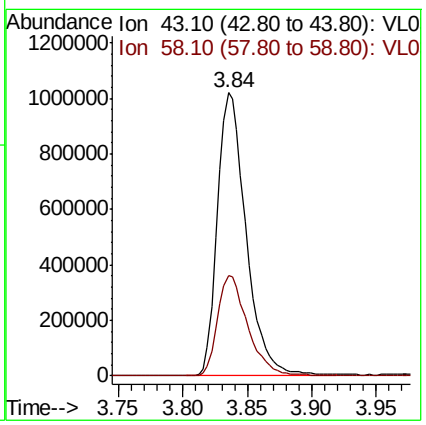


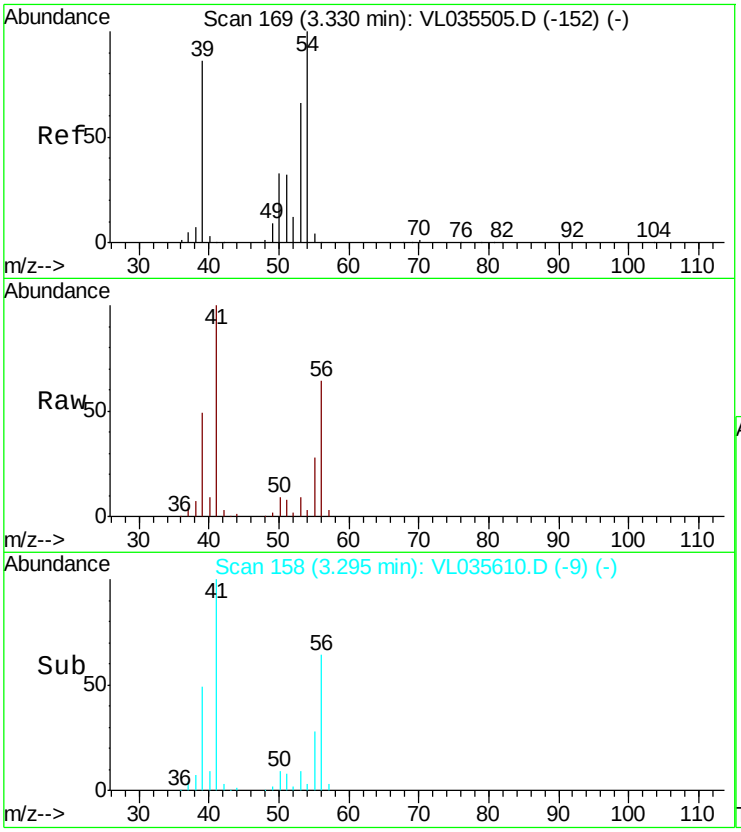


#15
Acetone
Concen: 13.435 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 43 Resp: 1578682

Ion	Ratio	Lower	Upper
43	100		
58	37.6	28.4	42.6



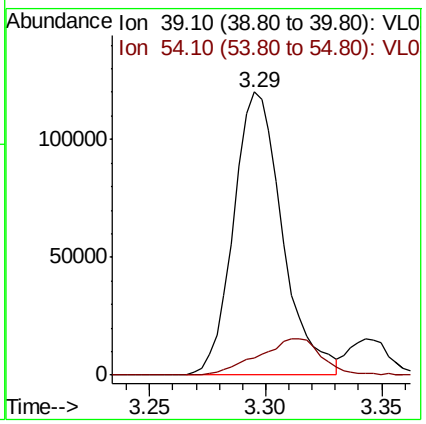


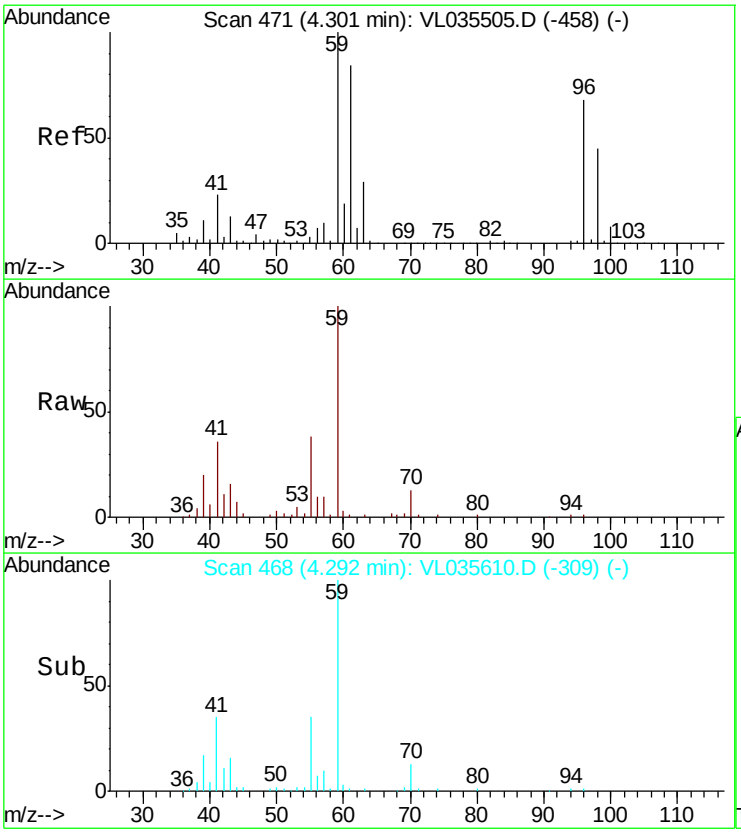
#16
1,3-Butadiene
Concen: 3.995 ppbv
RT: 3.29 min Scan# 158
Delta R.T. -0.02 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 39 Resp: 174731

Ion	Ratio	Lower	Upper
39	100		
54	16.9	88.4	132.6#

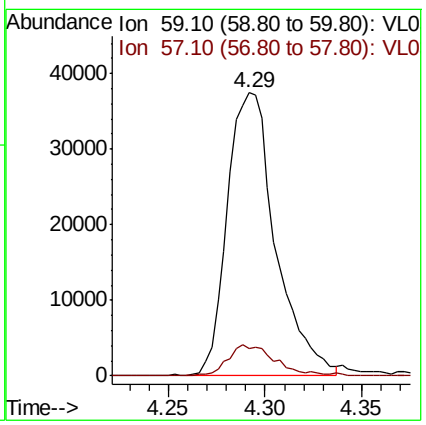


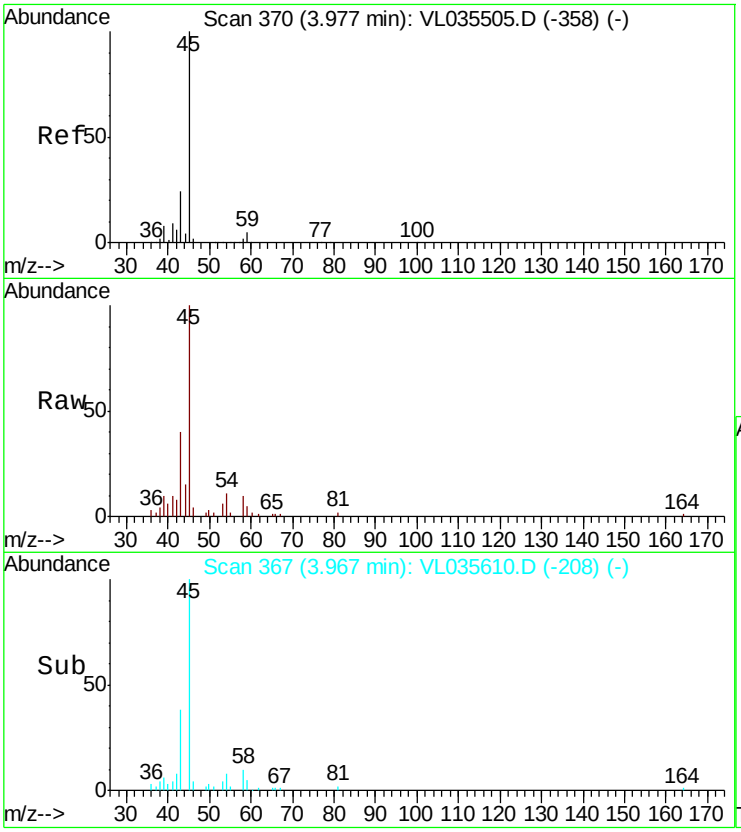


#17
tert-Butyl alcohol
Concen: 0.454 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 59 Resp: 64983

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.4	12.6



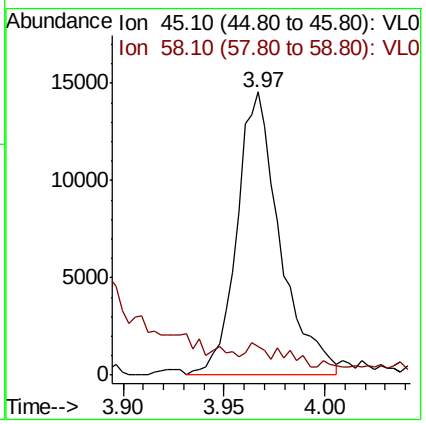


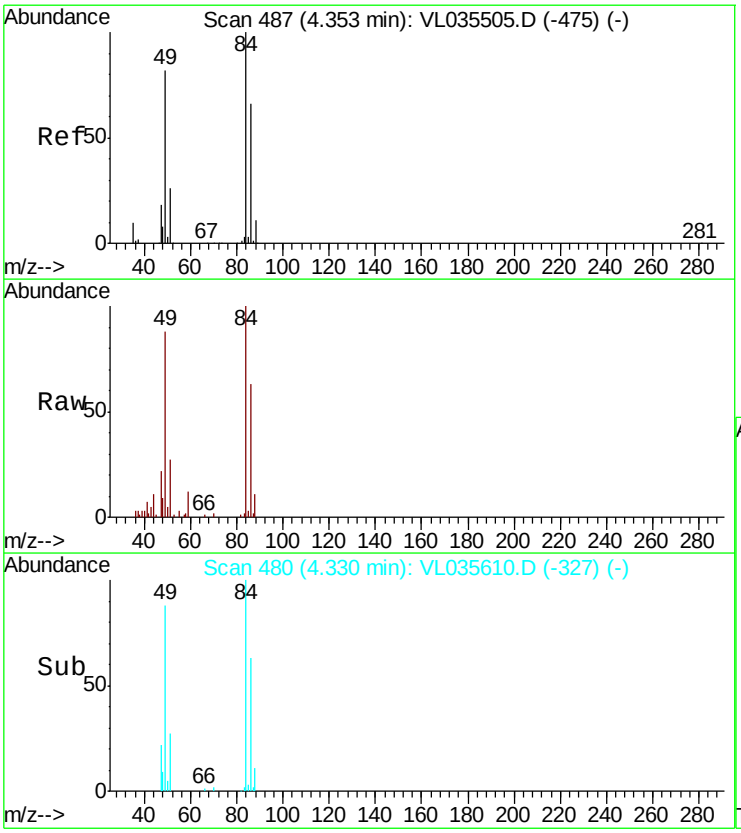
#19
Isopropyl Alcohol
Concen: 0.312 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 45 Resp: 21839

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#

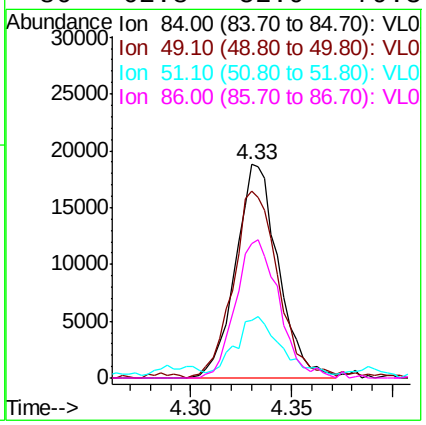


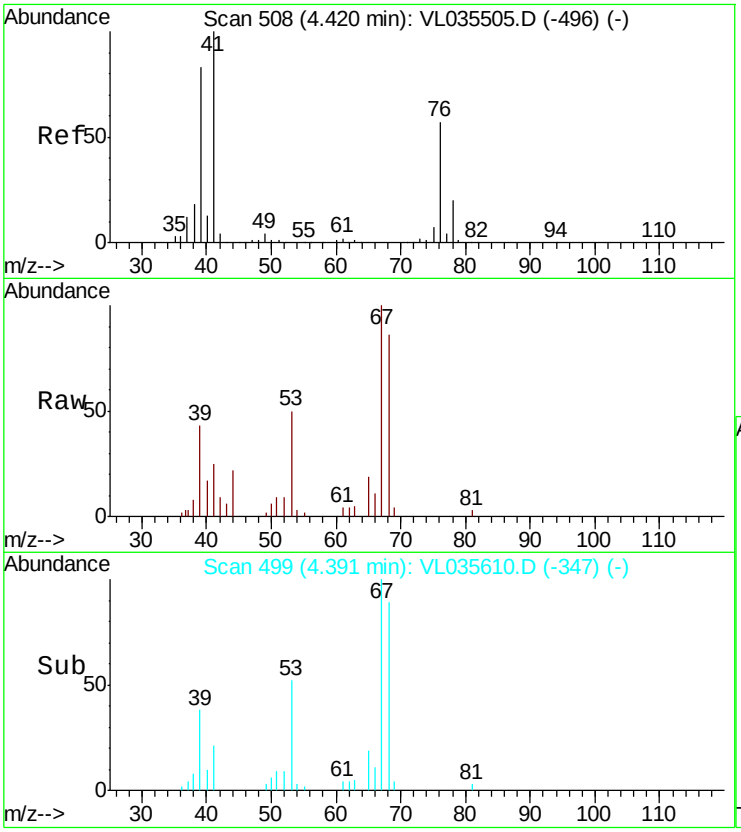


#20
Methylene Chloride
Concen: 0.319 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 84 Resp: 27943

Ion	Ratio	Lower	Upper
84	100		
49	87.7	65.4	98.0
51	25.1	21.5	32.3
86	62.8	52.9	79.3



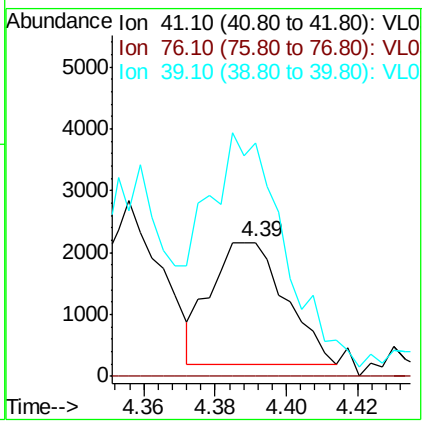


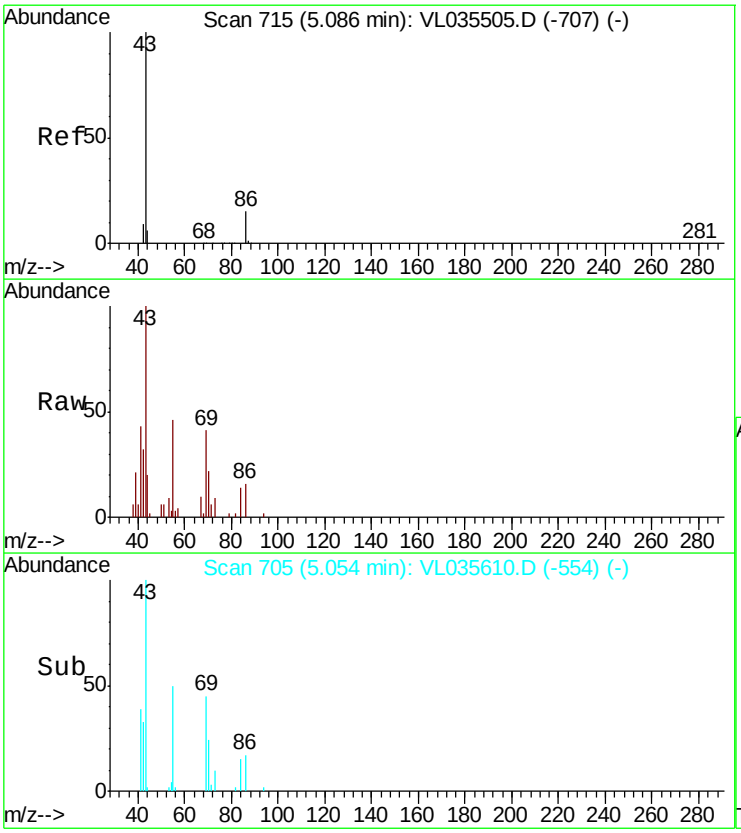
#21
Allvl Chloride
Concen: 0.051 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 41 Resp: 2834

Ion	Ratio	Lower	Upper
41	100		
76	0.0	46.2	69.2#
39	218.0	67.8	101.6#

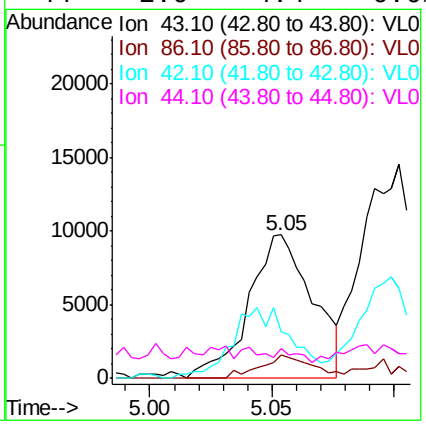


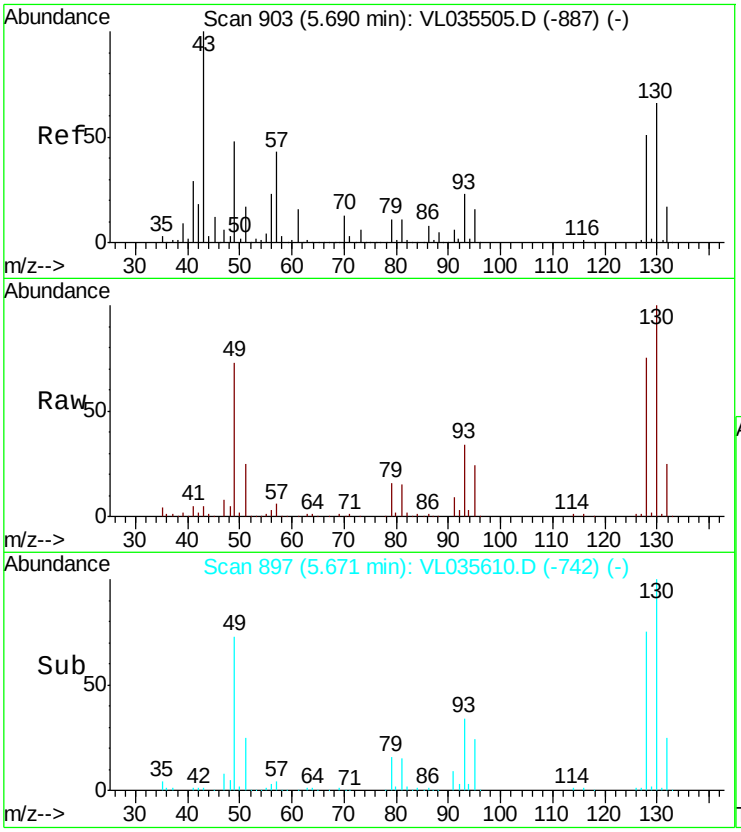


#23
Vinyl Acetate
Concen: 0.116 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.02 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 43 Resp: 17511

Ion	Ratio	Lower	Upper
43	100		
86	15.9	10.6	16.0
42	29.1	7.5	11.3#
44	2.0	4.4	6.6#



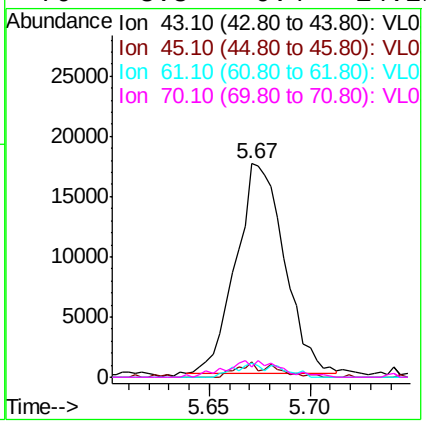


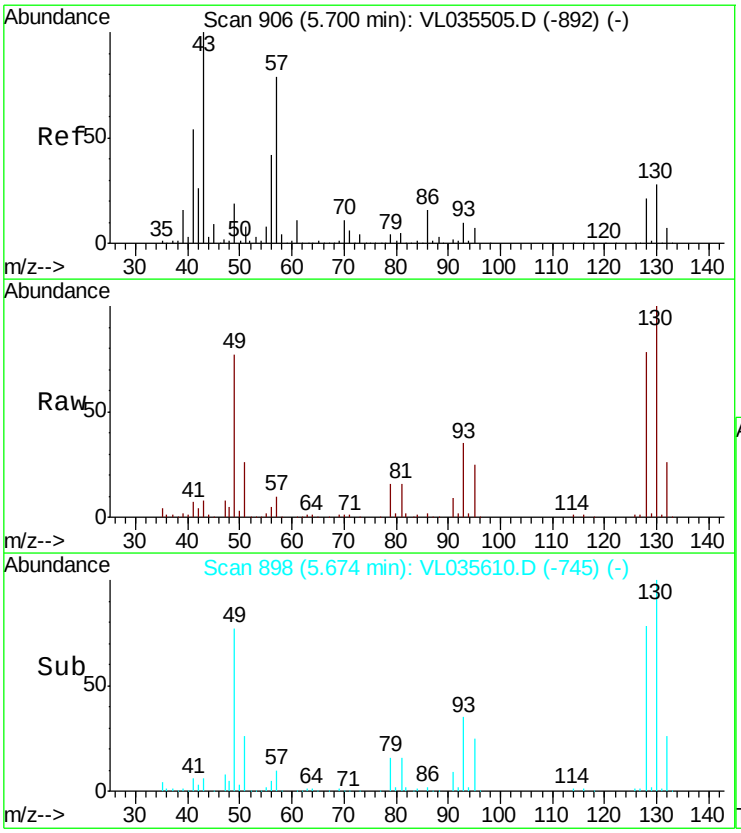
#25
Ethyl Acetate
Concen: 0.142 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion: 43 Resp: 29485

Ion	Ratio	Lower	Upper
43	100		
45	6.0	8.4	12.6#
61	6.2	10.6	16.0#
70	8.8	9.4	14.2#

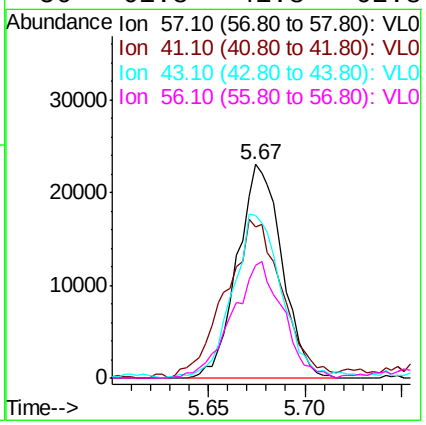


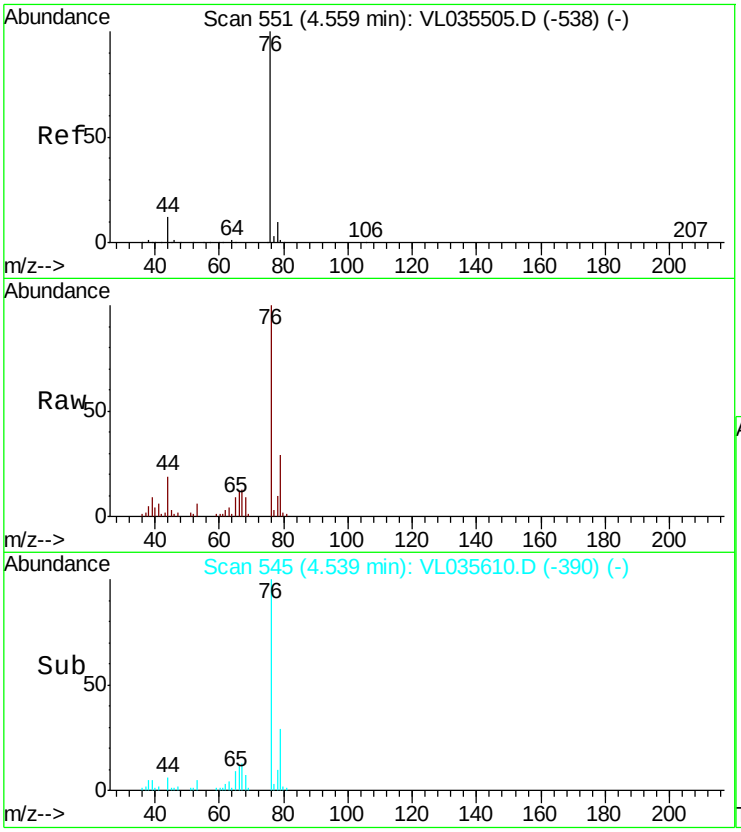


#26
Hexane
Concen: 0.314 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 57 Resp: 36909

Ion	Ratio	Lower	Upper
57	100		
41	96.8	55.9	83.9#
43	82.7	141.8	212.8#
56	61.8	41.8	62.8



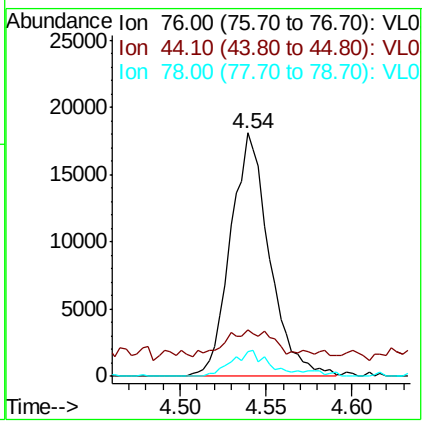


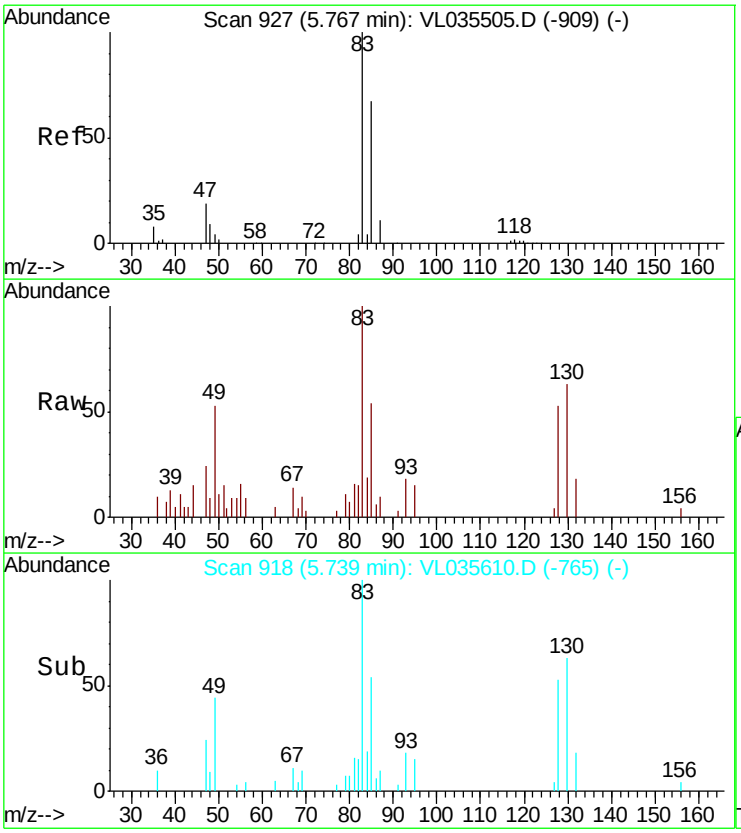
#27
Carbon Disulfide
Concen: 0.168 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.00 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion: 76 Resp: 28428

Ion	Ratio	Lower	Upper
76	100		
44	15.2	9.3	13.9#
78	11.7	7.8	11.6#

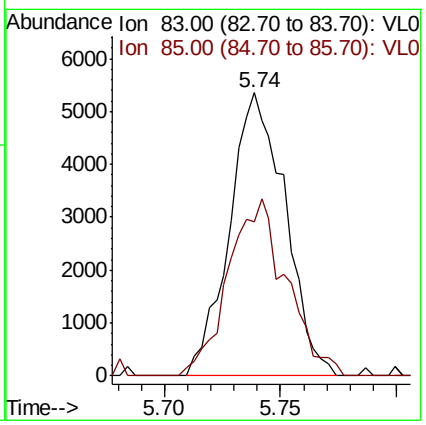


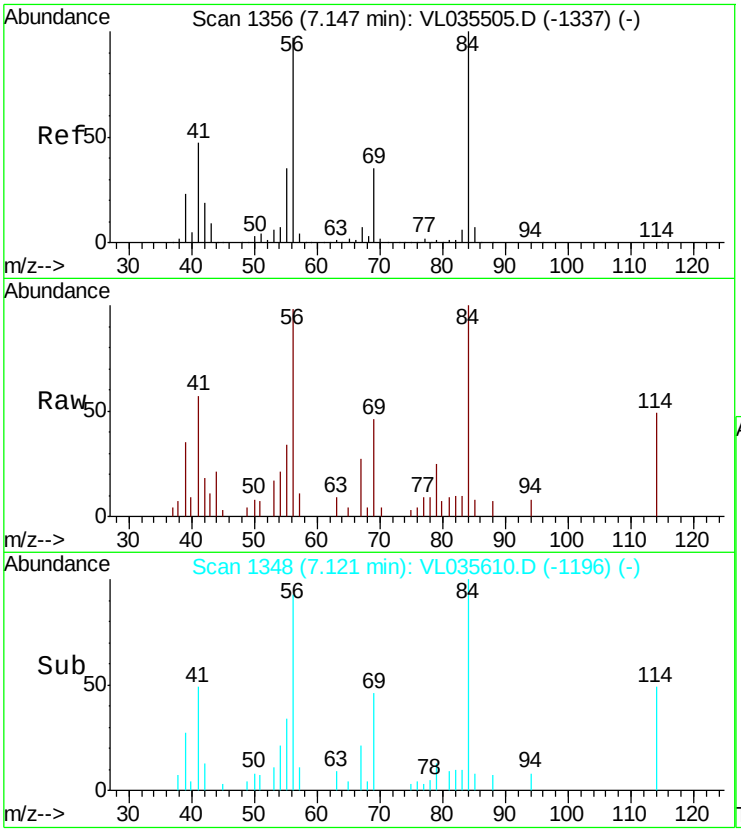


#29
Chloroform
Concen: 0.037 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 83 Resp: 8892

Ion	Ratio	Lower	Upper
83	100		
85	51.3	53.9	80.9#



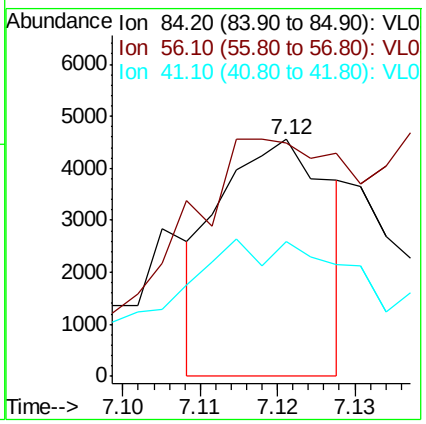


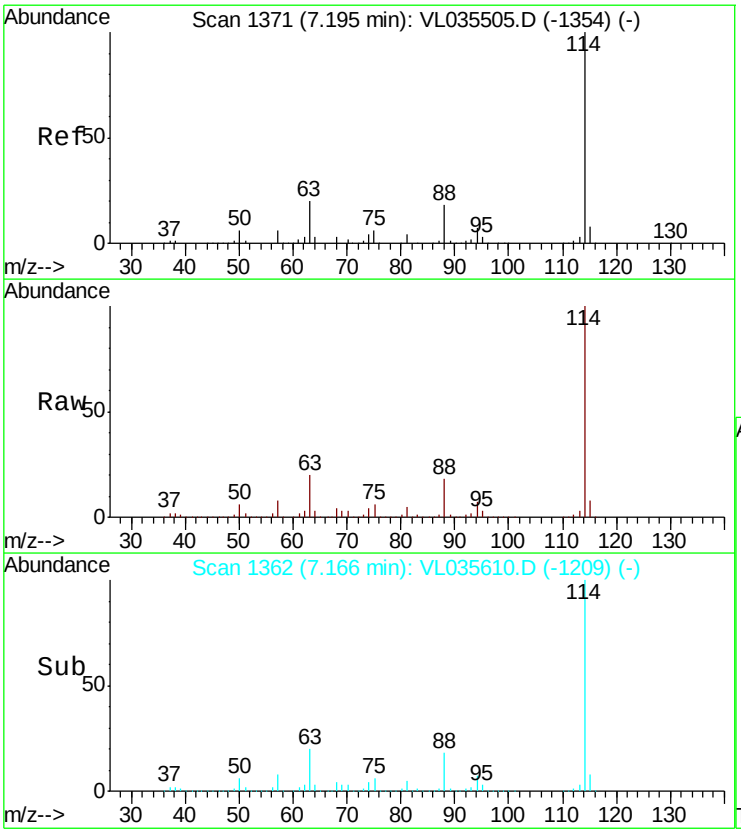
#30
Cyclohexane
Concen: 0.036 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion: 84 Resp: 4520

Ion	Ratio	Lower	Upper
84	100		
56	0.0	80.1	120.1#
41	153.5	38.1	57.1#

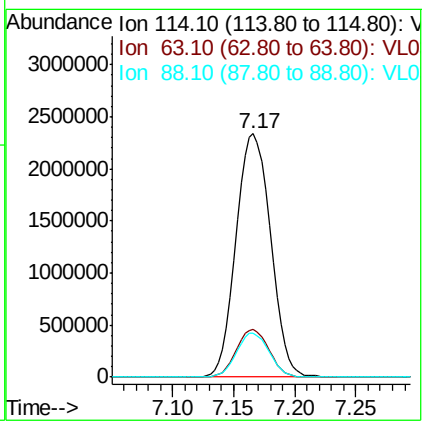


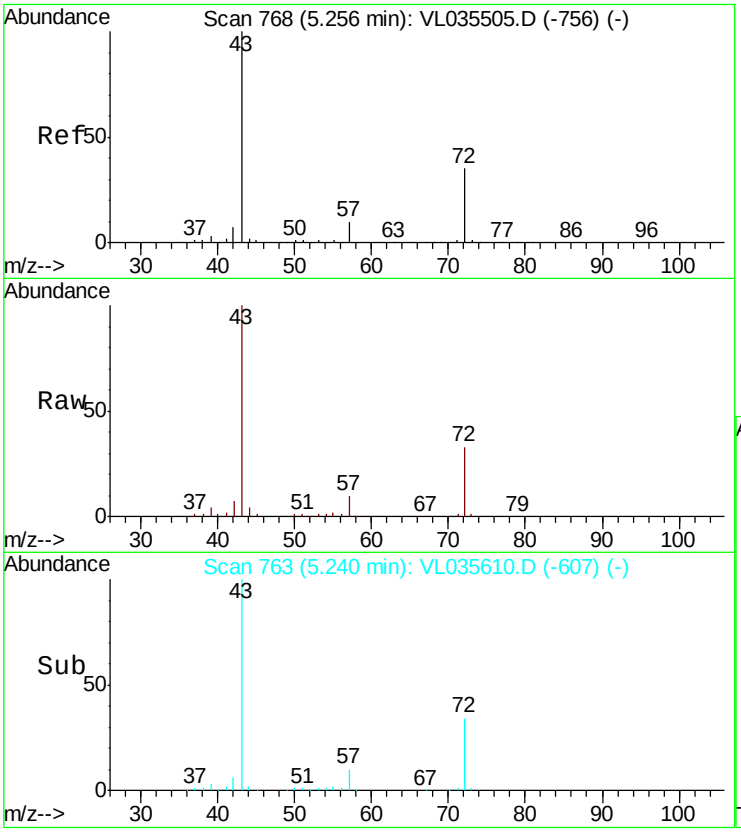


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion:114 Resp: 4585339

Ion	Ratio	Lower	Upper
114	100		
63	18.6	14.7	22.1
88	17.2	13.4	20.2



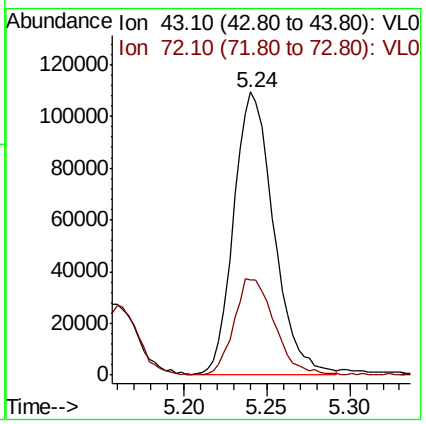


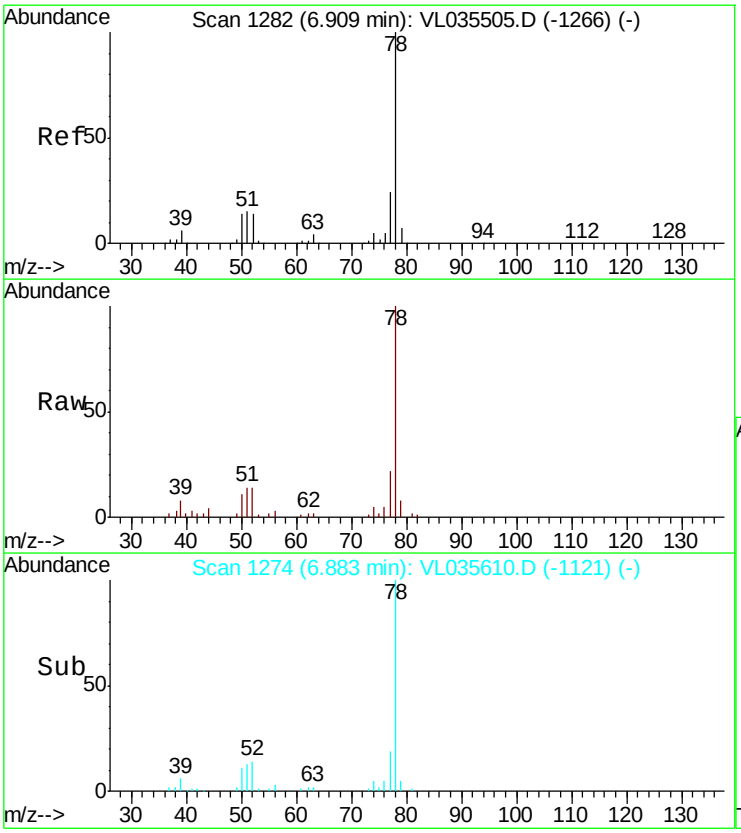
#34
2-Butanone
Concen: 1.344 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.00 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 43 Resp: 182957

Ion	Ratio	Lower	Upper
43	100		
72	34.7	27.7	41.5

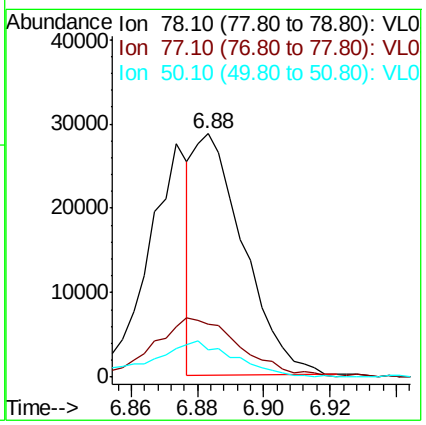


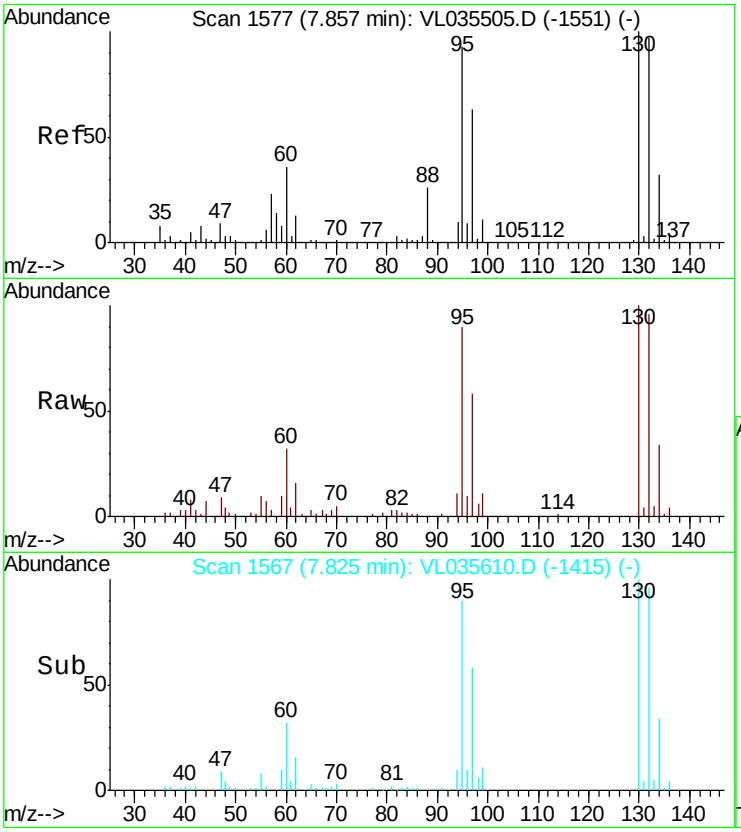


#36
Benzene
Concen: 0.100 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 78 Resp: 29585

Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.3	28.9
50	11.3	11.0	16.6



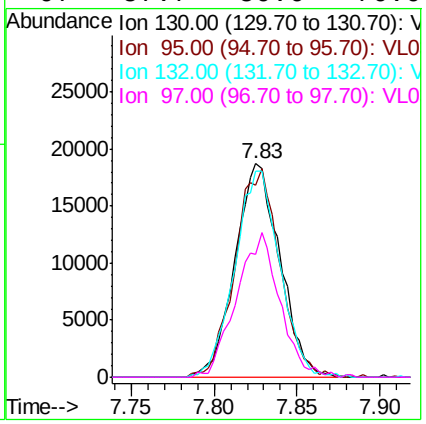


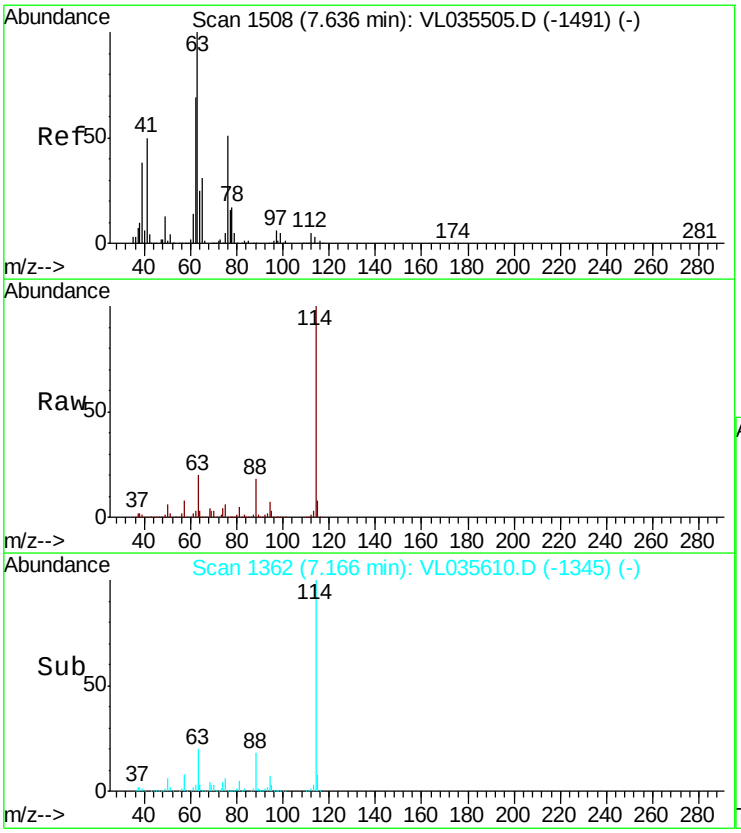
#38
Trichloroethene
Concen: 0.204 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion:130 Resp: 35184

Ion	Ratio	Lower	Upper
130	100		
95	90.1	74.6	112.0
132	96.4	77.6	116.4
97	57.7	50.6	76.0

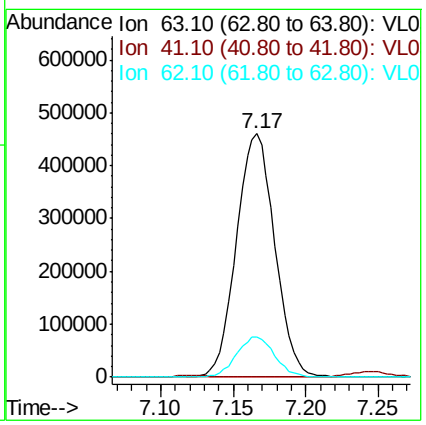


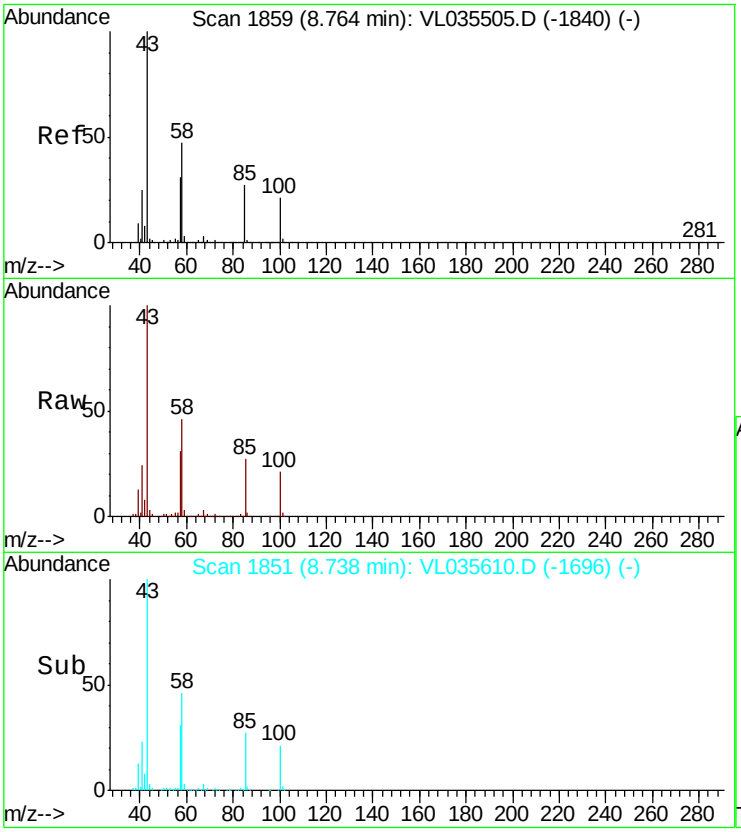


#39
1,2-Dichloropropane
Concen: 8.449 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.45 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 63 Resp: 847151

Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.5	55.4	83.0#



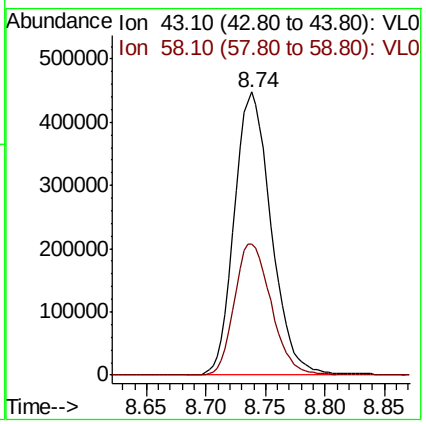


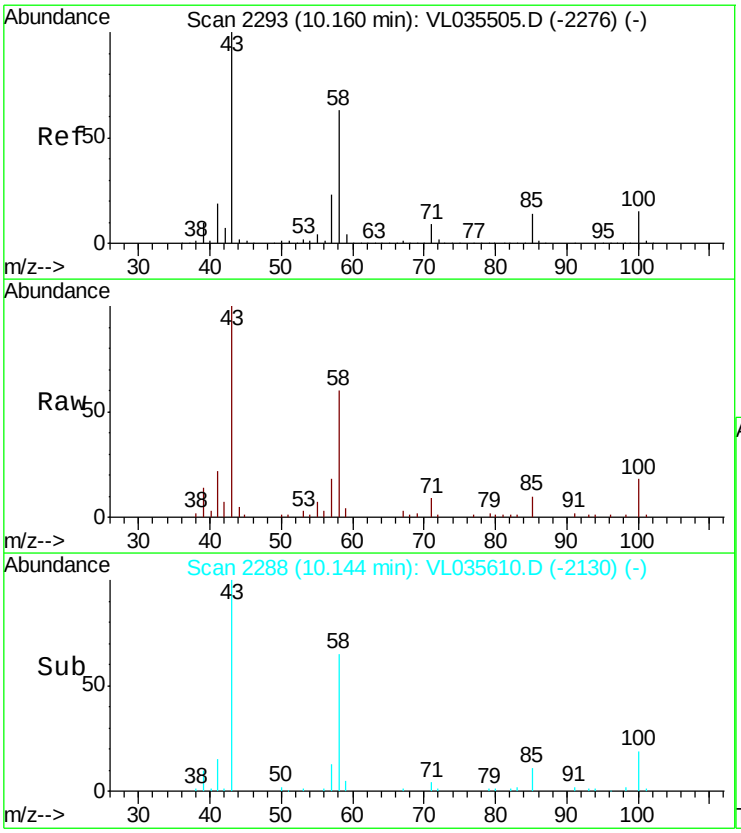
#50
4-Methyl-2-Pentanone
Concen: 4.881 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion: 43 Resp: 961824

Ion	Ratio	Lower	Upper
43	100		
58	46.8	37.4	56.0

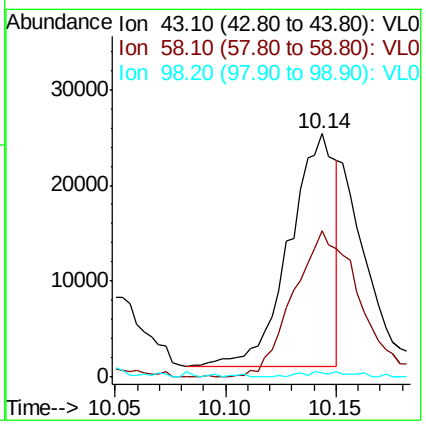


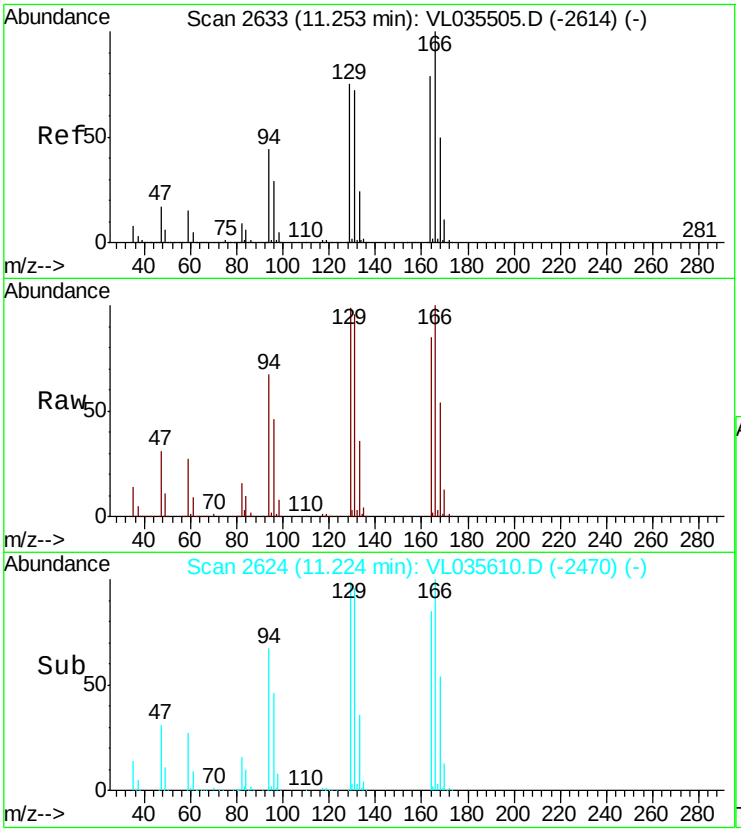


#51
2-Hexanone
Concen: 0.216 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 43 Resp: 34983

Ion	Ratio	Lower	Upper
43	100		
58	93.3	50.2	75.4#
98	2.5	0.4	0.6#



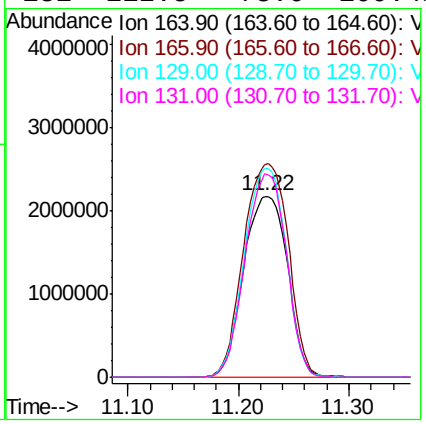


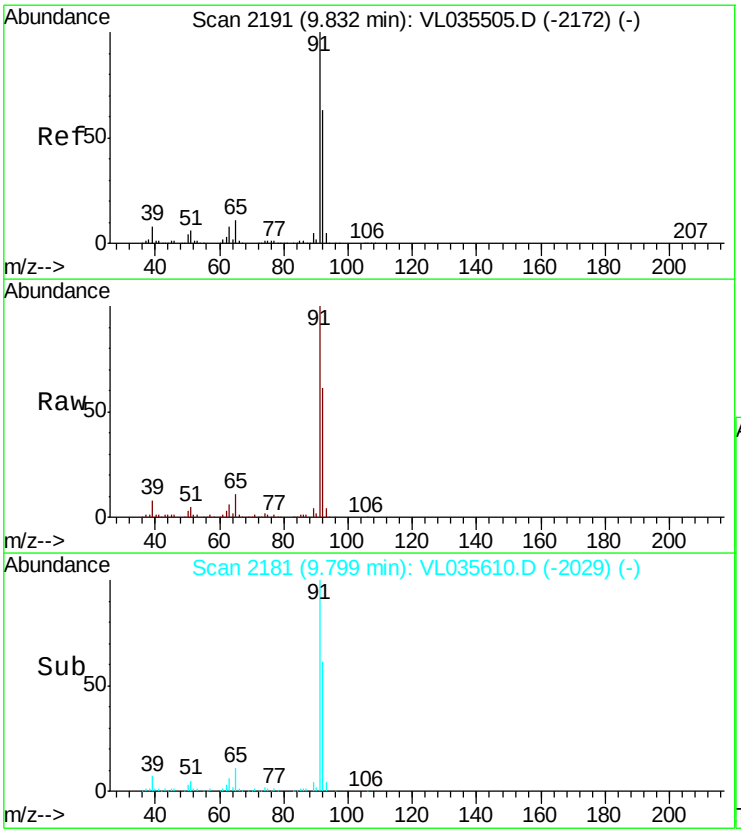
#52
Tetrachloroethene
Concen: 34.774 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion:164 Resp: 6029773

Ion	Ratio	Lower	Upper
164	100		
166	117.3	100.9	151.3
129	115.6	75.3	112.9#
131	112.5	73.0	109.4#

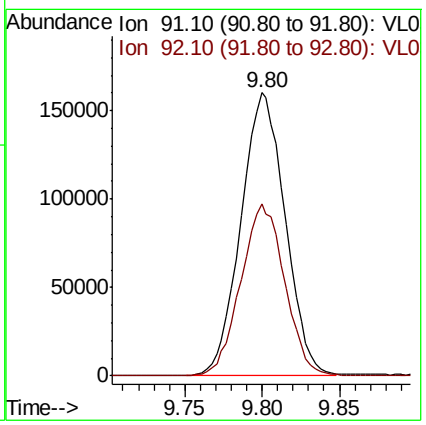


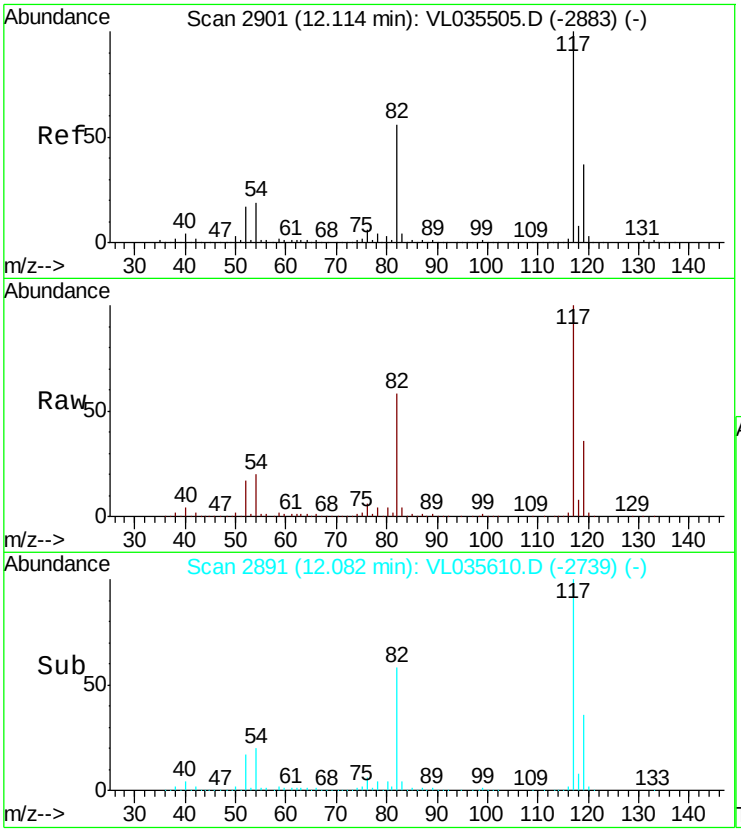


#53
Toluene
Concen: 0.855 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 91 Resp: 319189

Ion	Ratio	Lower	Upper
91	100		
92	60.1	49.8	74.8



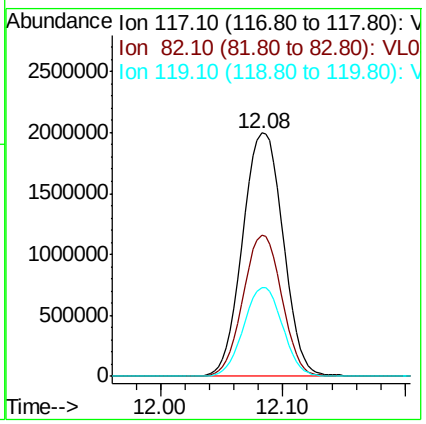


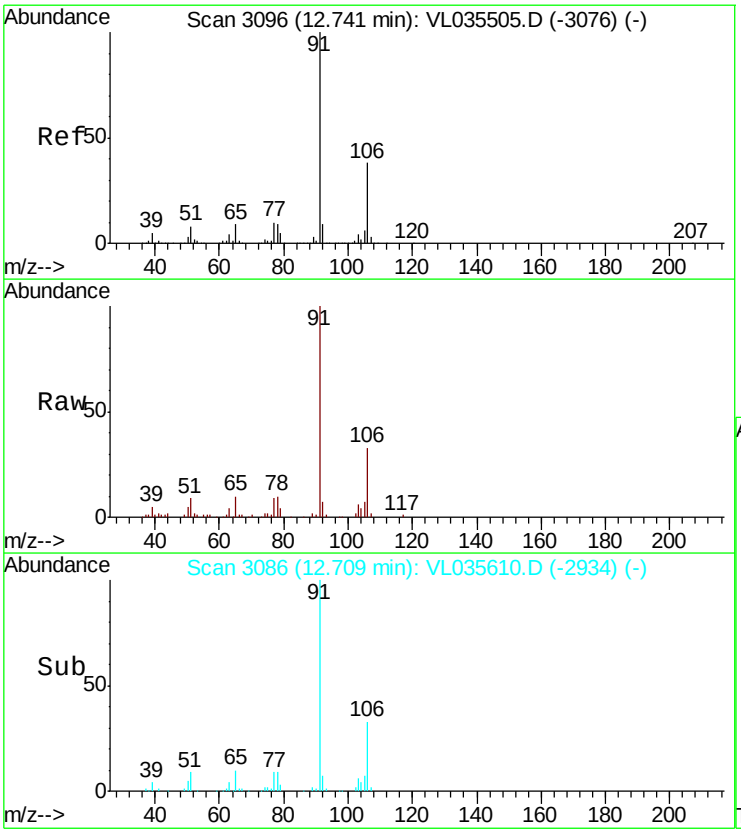
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion:117 Resp: 4594516

Ion	Ratio	Lower	Upper
117	100		
82	55.5	41.6	62.4
119	35.0	29.3	43.9

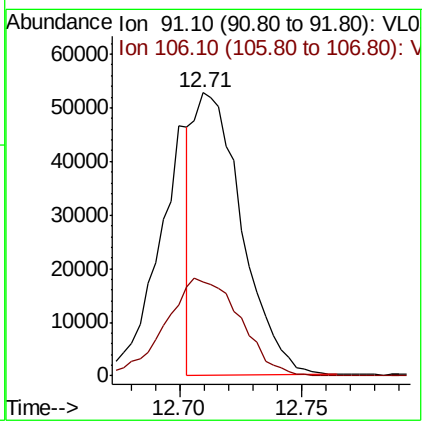


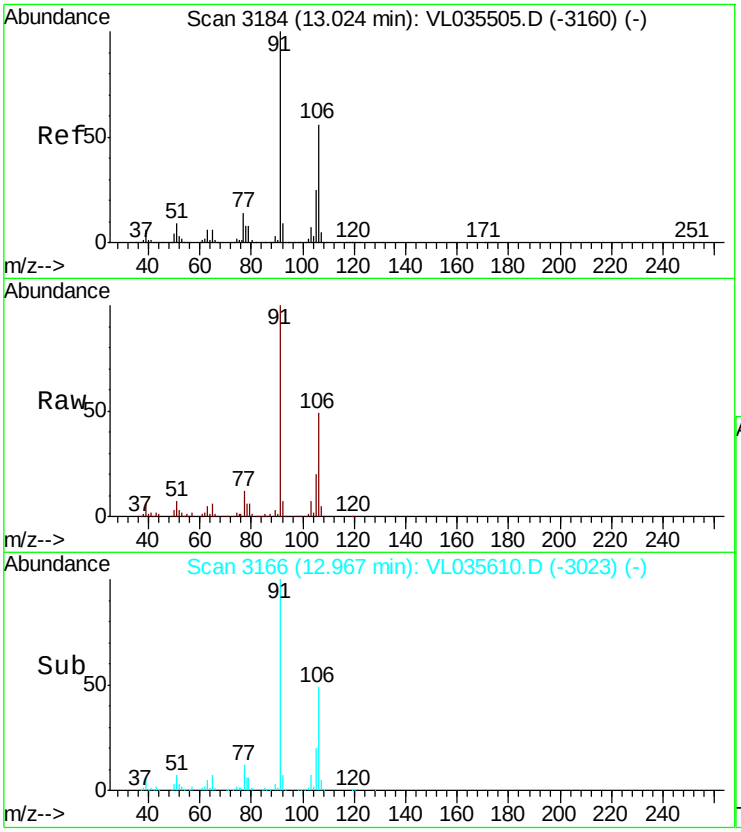


#58
Ethyl Benzene
Concen: 0.154 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 91 Resp: 72886

Ion	Ratio	Lower	Upper
91	100		
106	33.2	30.3	45.5



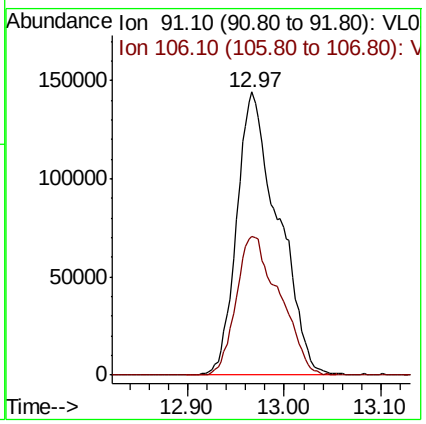


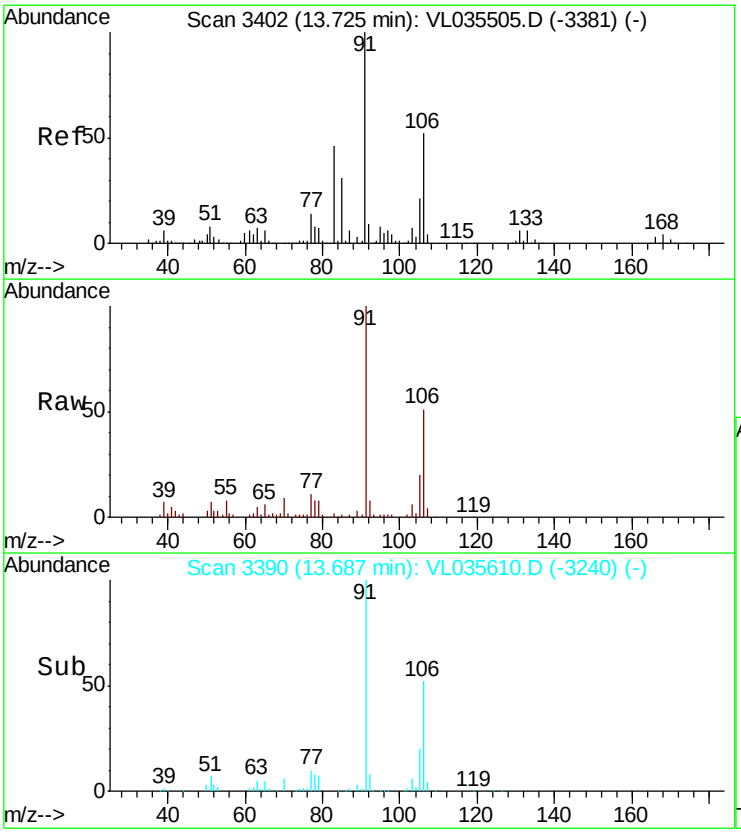
#59
m/p-Xylene
Concen: 1.084 ppbv
RT: 12.97 min Scan# 3166
Delta R.T. -0.04 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument : MSVOA_L
ClientSampleId : SV-12DL

Tgt Ion: 91 Resp: 429236

Ion	Ratio	Lower	Upper
91	100		
106	51.4	43.4	65.2

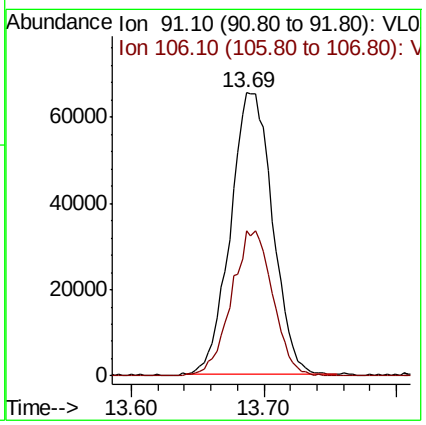


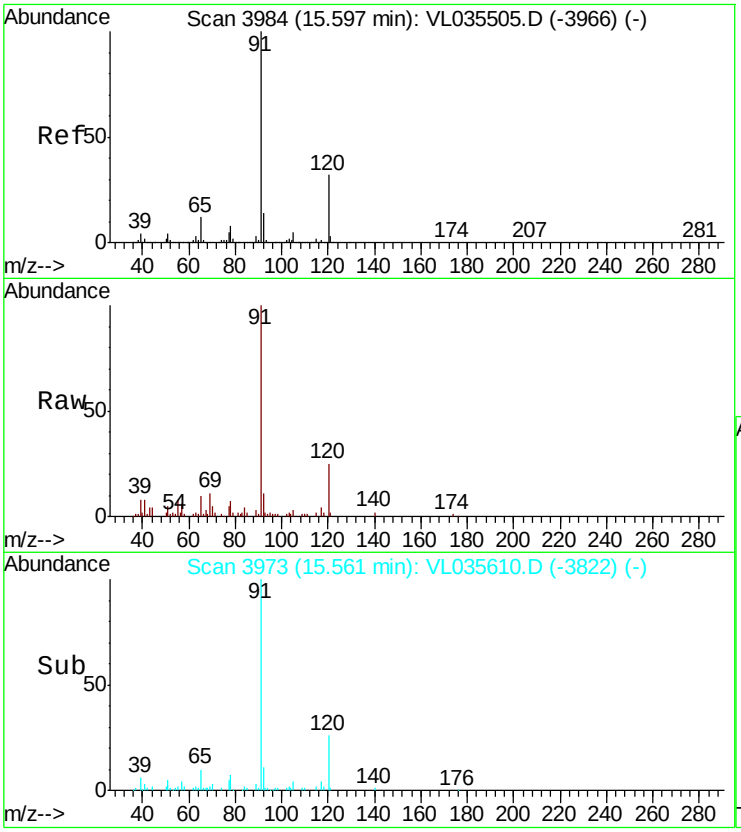


#60
o-Xylene
Concen: 0.362 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.02 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 91 Resp: 144223

Ion	Ratio	Lower	Upper
91	100		
106	50.8	25.8	77.4



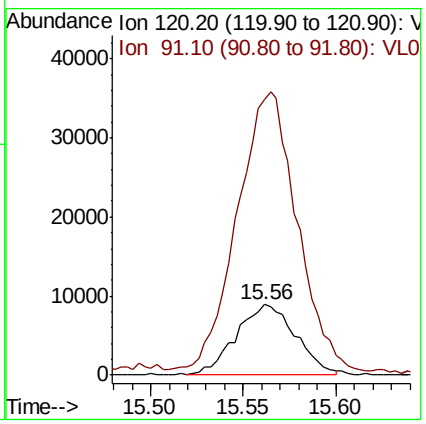


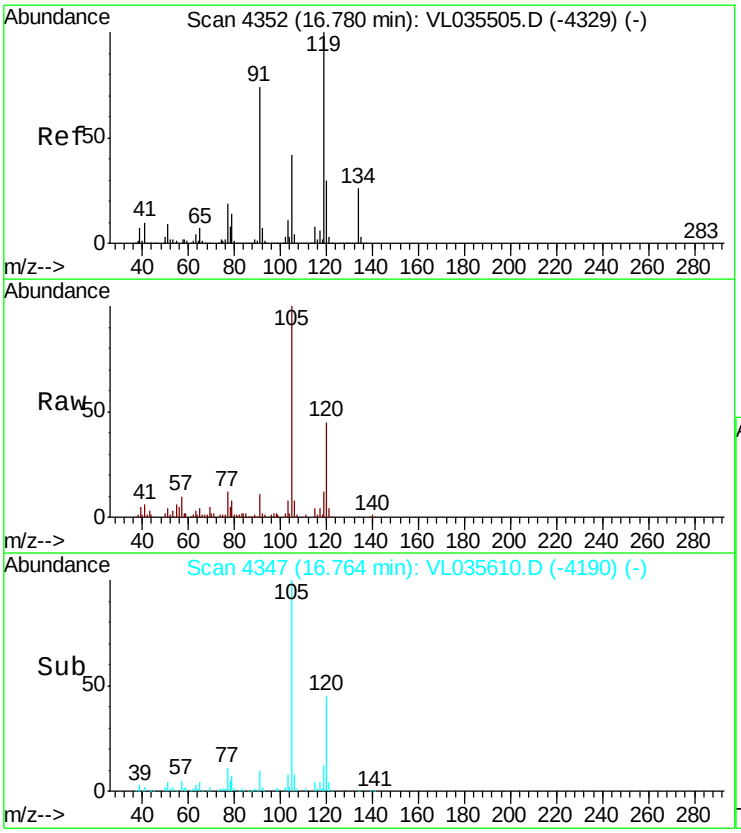
#64
n-propylbenzene
Concen: 0.103 ppbv
RT: 15.56 min Scan# 3973
Delta R.T. -0.02 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion:120 Resp: 20069

Ion	Ratio	Lower	Upper
120	100		
91	417.6	279.4	419.0

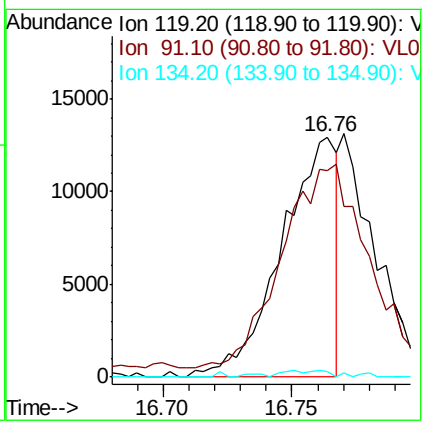


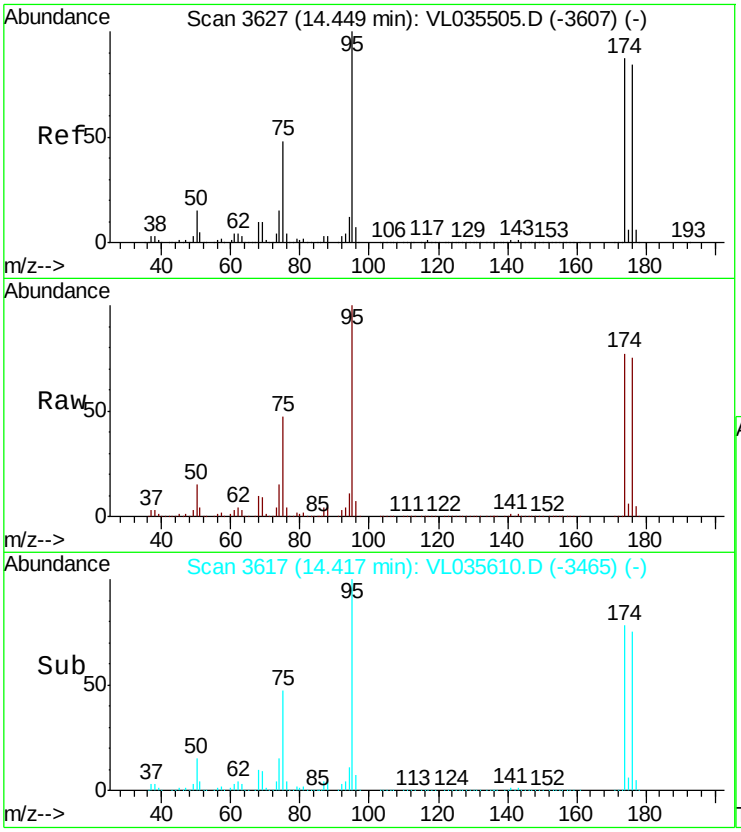


#65
tert-Butylbenzene
Concen: 0.032 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. 0.00 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion:119 Resp: 19313

Ion	Ratio	Lower	Upper
119	100		
91	8.3	58.6	87.8#
134	3.5	18.9	28.3#



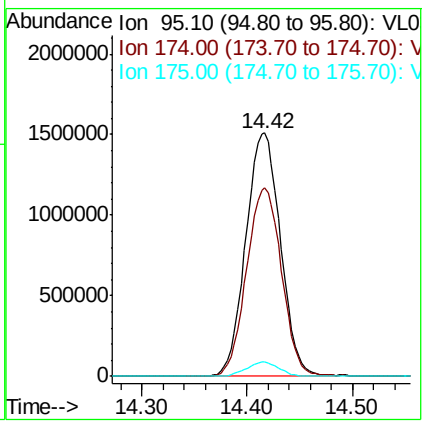


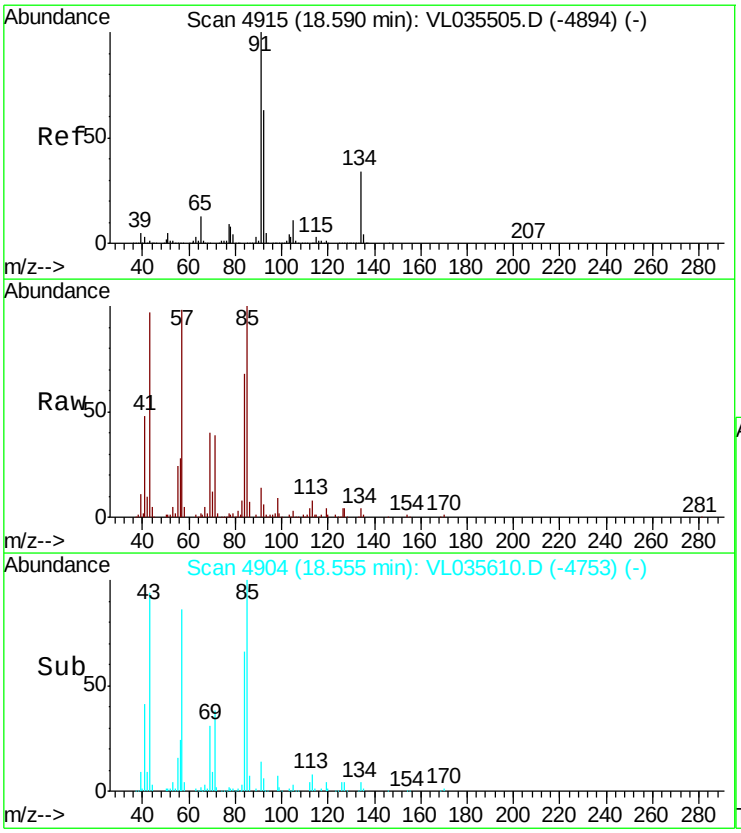
#68
1-Bromo-4-Fluorobenzene
Concen: 10.609 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion: 95 Resp: 3461345

Ion	Ratio	Lower	Upper
95	100		
174	78.9	69.6	104.4
175	5.7	5.1	7.7

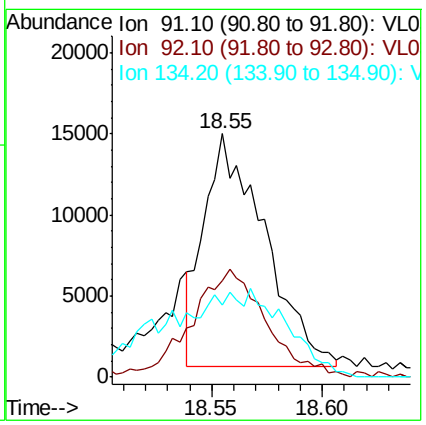


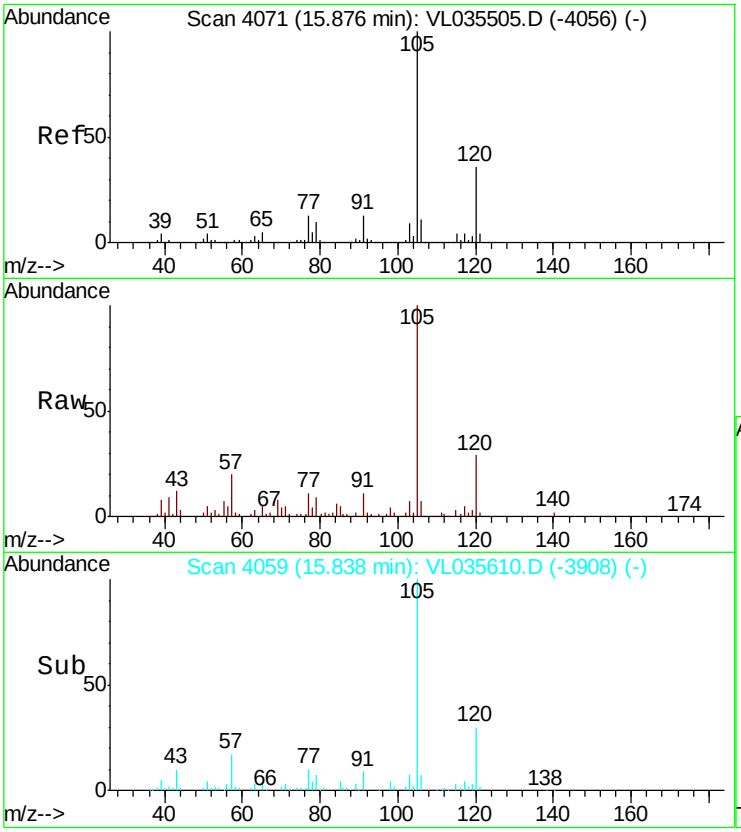


#70
n-Butylbenzene
Concen: 0.041 ppbv
RT: 18.55 min Scan# 4904
Delta R.T. -0.02 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion: 91 Resp: 27260

Ion	Ratio	Lower	Upper
91	100		
92	58.7	47.3	70.9
134	76.5	24.6	37.0#



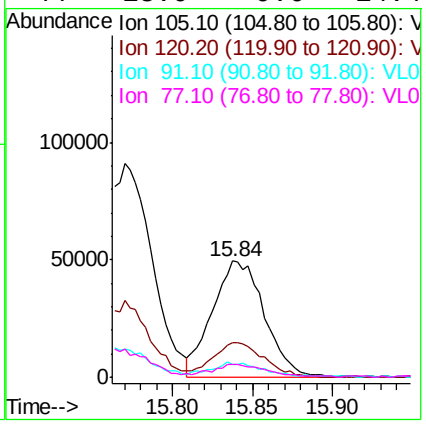


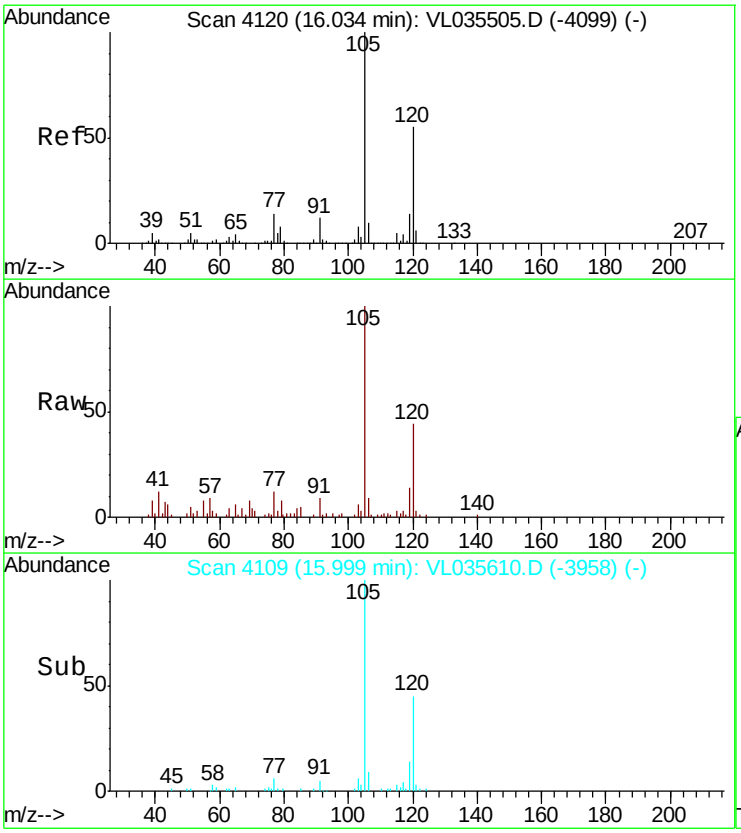
#72
4-Ethyltoluene
Concen: 0.216 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. -0.02 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion:105 Resp: 109267

Ion	Ratio	Lower	Upper
105	100		
120	29.8	27.4	41.2
91	11.5	9.7	14.5
77	13.0	9.6	14.4

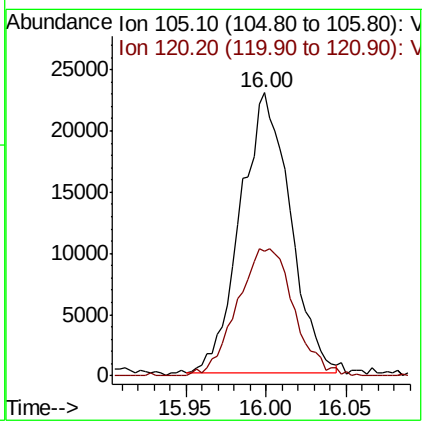


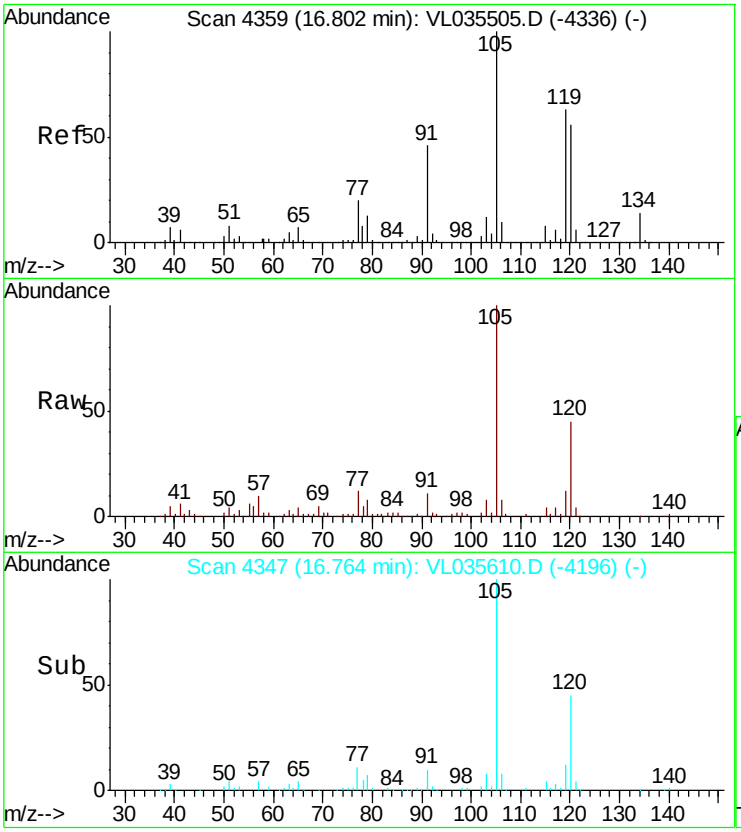


#73
1,3,5-Trimethylbenzene
Concen: 0.105 ppbv
RT: 16.00 min Scan# 4109
Delta R.T. -0.02 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Tgt Ion:105 Resp: 49041

Ion	Ratio	Lower	Upper
105	100		
120	44.5	44.2	66.2





#74
1,2,4-Trimethylbenzene
Concen: 0.458 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.02 min
Lab File: VL035610.D
Acq: 14 Sep 2020 22:17

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL

Tgt Ion:105 Resp: 235864

Ion	Ratio	Lower	Upper
105	100		
120	45.1	44.4	66.6
91	10.2	37.1	55.7#
77	11.4	16.0	24.0#