Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100820\
Data File : VL035747.D
Acq On : 8 Oct 2020 16:15
Operator : SY/AP
Sample : L4275-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Oct 09 01:17:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1290661	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.18	114	4998767	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.10	117	4864180	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	3647000	10.01	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	13094	0.062	ppbv		94
3) Chlorodifluoromethane	2.98	51	181045	1.304	ppbv	#	90
4) Chloromethane	3.13	50	3318	0.044	ppbv	#	78
5) Vinyl Chloride	3.25	62	46468	0.527	ppbv		98
7) Chloroethane	3.55	64	166423	5.143	ppbv		96
9) Propene	3.01	41	8170	0.162	ppbv		89
15) Acetone	3.86	43	81484	0.587	ppbv	#	79
17) tert-Butyl alcohol	4.33	59	5496	0.036	ppbv		100
18) 1,1-Dichloroethene	4.29	96	3823	0.039	ppbv		87
20) Methylene Chloride	4.34	84	67618	0.663	ppbv		98
24) 1,1-Dichloroethane	5.01	63	387832	2.093	ppbv		99
26) Hexane	5.69	57	13839	0.101	ppbv	#	53
31) cis-1,2-Dichloroethene	5.55	61	137198	1.038	ppbv		98
36) Benzene	6.89	78	1103656	3.388	ppbv		96
37) 1,2-Dichloroethane	6.31	62	29053	0.171	ppbv		100
39) 1,2-Dichloropropane	7.18	63	984506	8.339	ppbv	#	30
53) Toluene	9.82	91	4384717	11.416	ppbv		99
57) Chlorobenzene	12.16	112	112603	0.306	ppbv		94
58) Ethyl Benzene	12.73	91	123454	0.253	ppbv		92
59) m/p-Xylene	12.98	91	1696094	3.978	ppbv		100
60) o-Xylene	13.71	91	1521439	3.528	ppbv		99
62) Isopropylbenzene	14.69	105	228173	0.341	ppbv		96
64) n-propylbenzene	15.58	120	91369	0.467	ppbv		72
65) tert-Butylbenzene	16.78	119	492796	0.810	ppbv	#	76
66) Benzyl Chloride	16.78	91	445739	2.419	ppbv	#	64
67) sec-Butylbenzene	17.31	105	27272	0.032	ppbv		94
71) 2-Chlorotoluene	15.58	91	400972	0.822	ppbv	#	39
72) 4-Ethyltoluene	15.86	105	1479486	2.896	ppbv		97
73) 1,3,5-Trimethylbenzene	16.02	105	1691698	3.504	ppbv		92
74) 1,2,4-Trimethylbenzene	16.78	105	4060265	7.460	ppbv	#	74
77) 1,2-Dichlorobenzene	17.84	146	21926	0.062	ppbv		98

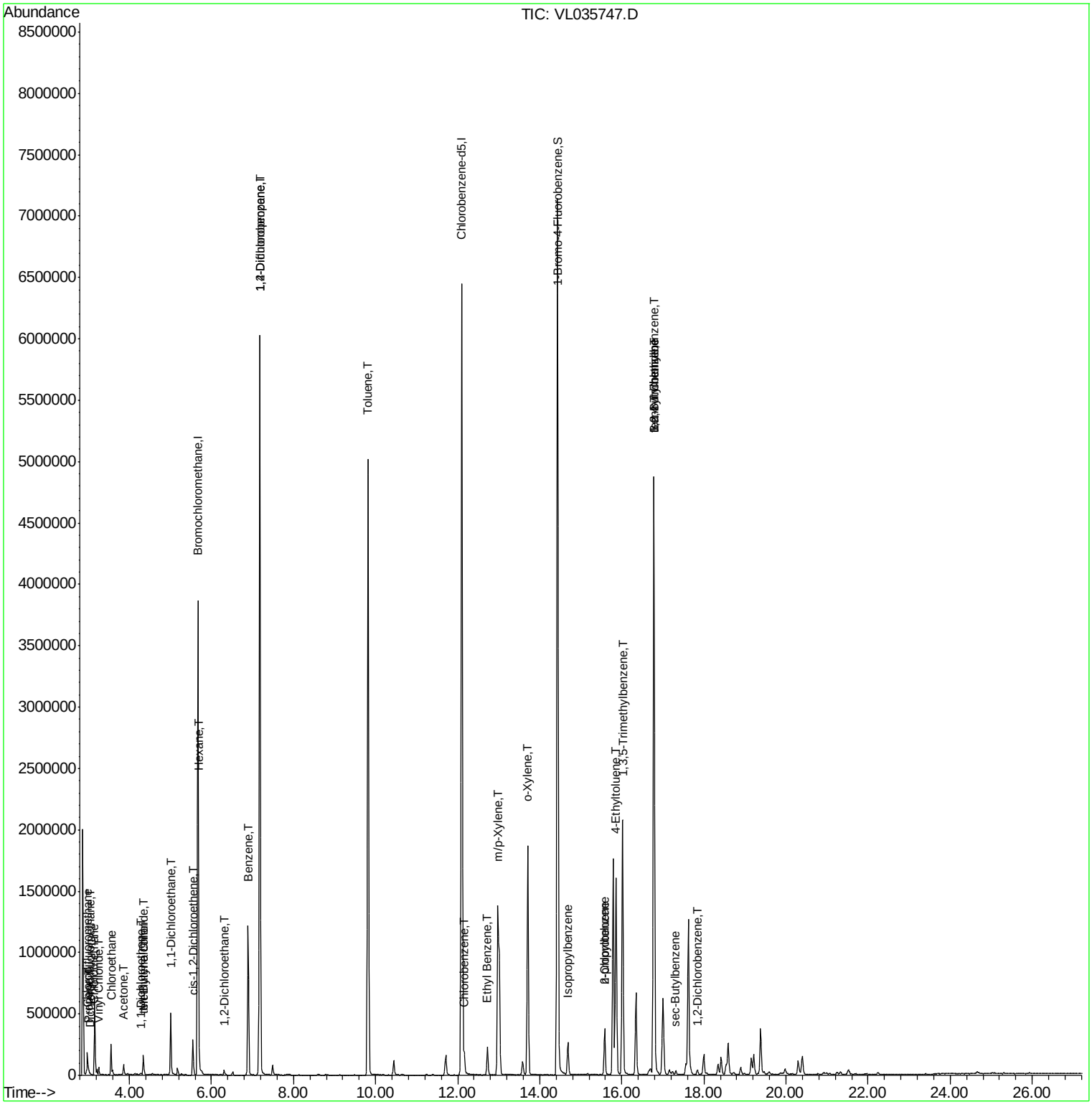
(#) = qualifier out of range (m) = manual integration (+) = signals summed

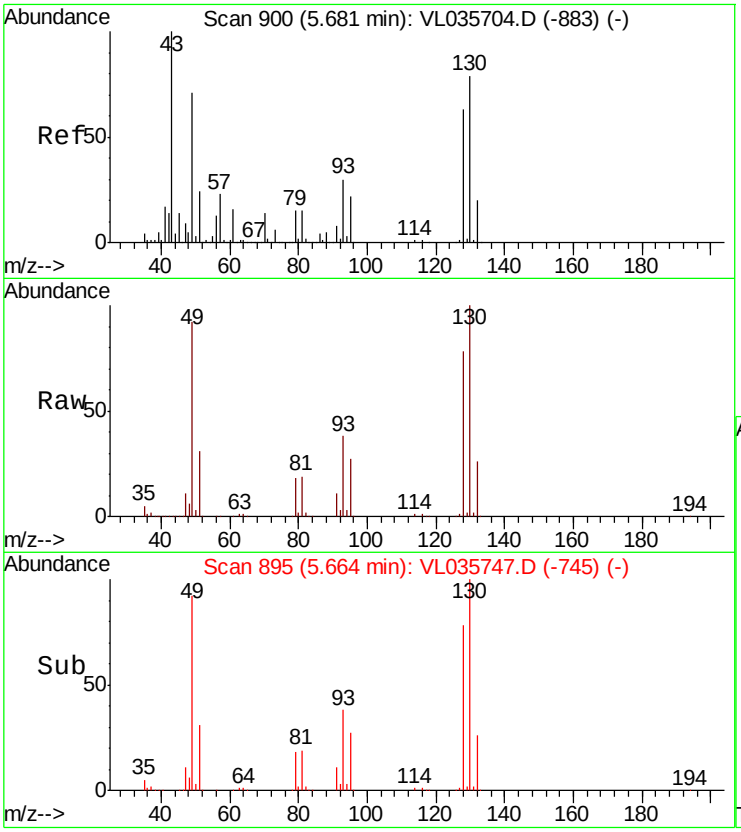
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100820\
Data File : VL035747.D
Acq On : 8 Oct 2020 16:15
Operator : SY/AP
Sample : L4275-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Oct 09 01:17:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration



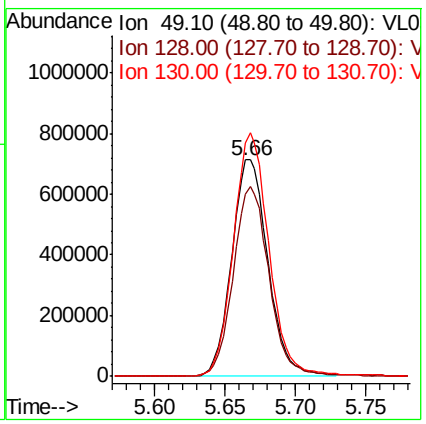


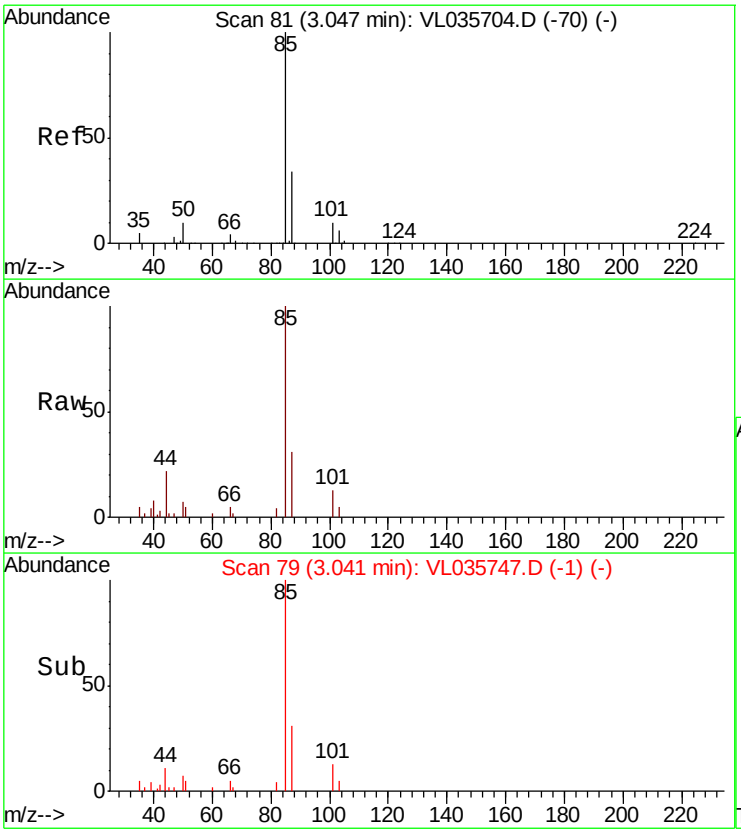
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1290661

Ion	Ratio	Lower	Upper
49	100		
128	86.7	43.1	129.4
130	111.1	54.9	164.7

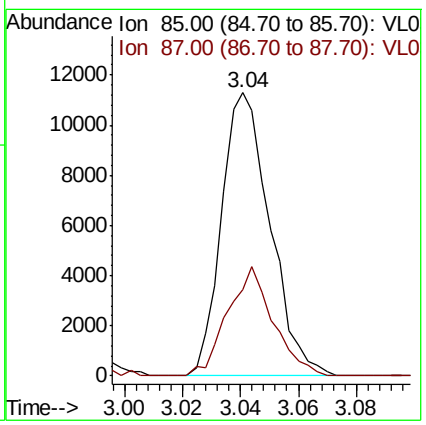


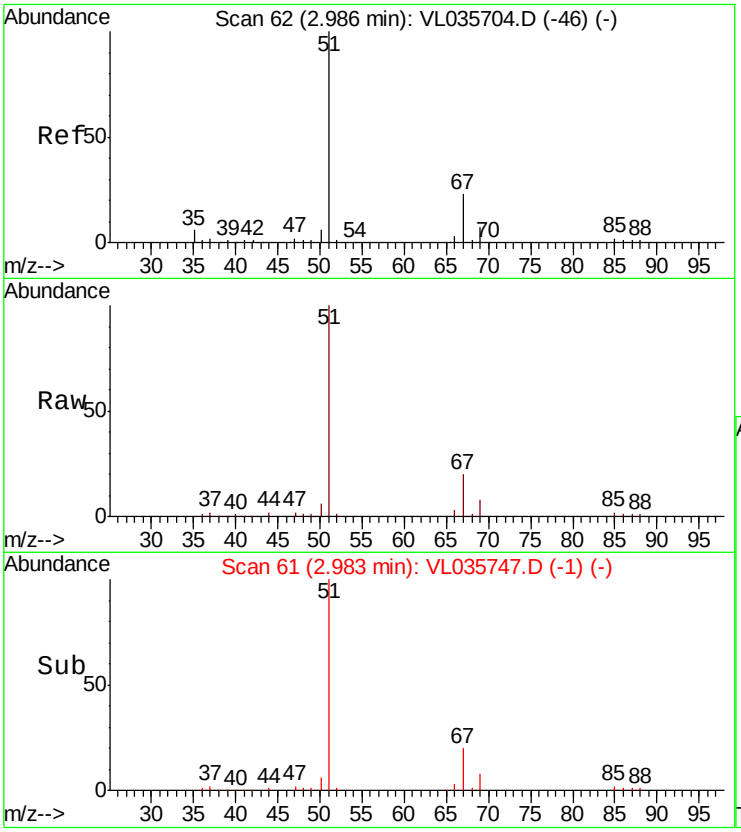


#2
Dichlorodifluoromethane
Concen: 0.062 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 85 Resp: 13094

Ion	Ratio	Lower	Upper
85	100		
87	30.6	27.3	40.9



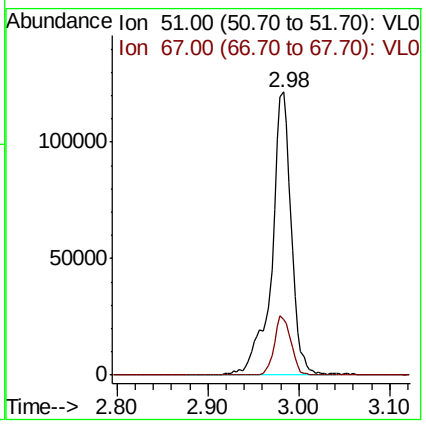


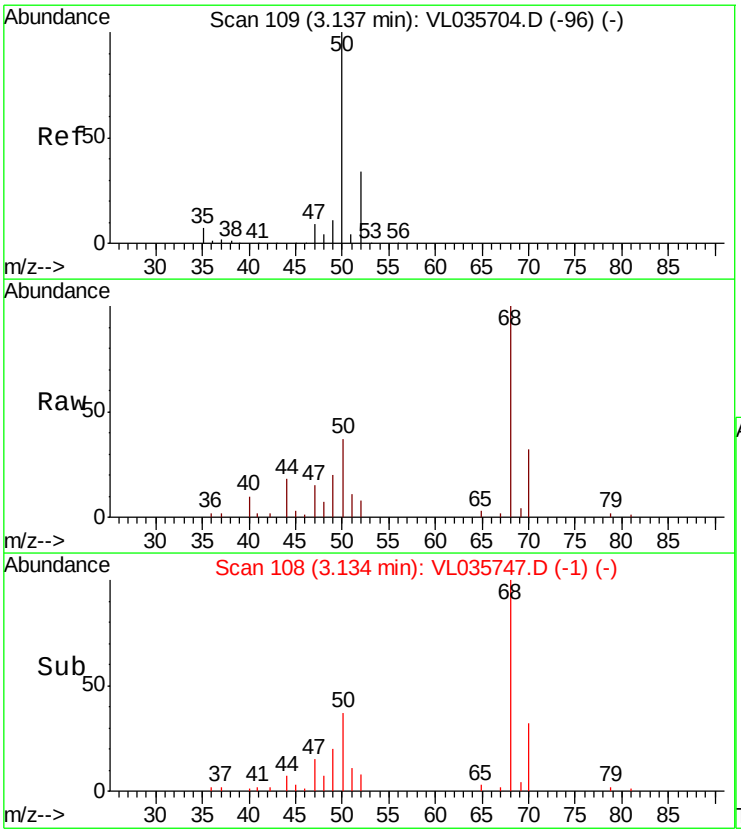
#3
Chlorodifluoromethane
Concen: 1.304 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 181045

Ion	Ratio	Lower	Upper
51	100		
67	17.7	17.8	26.8#

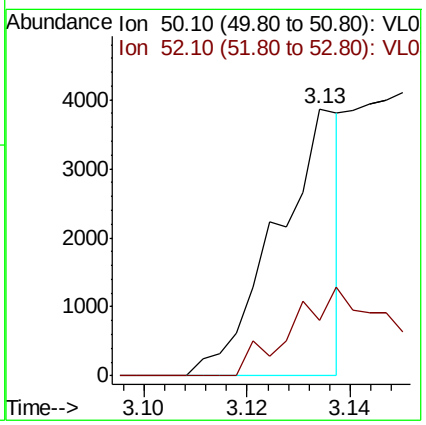


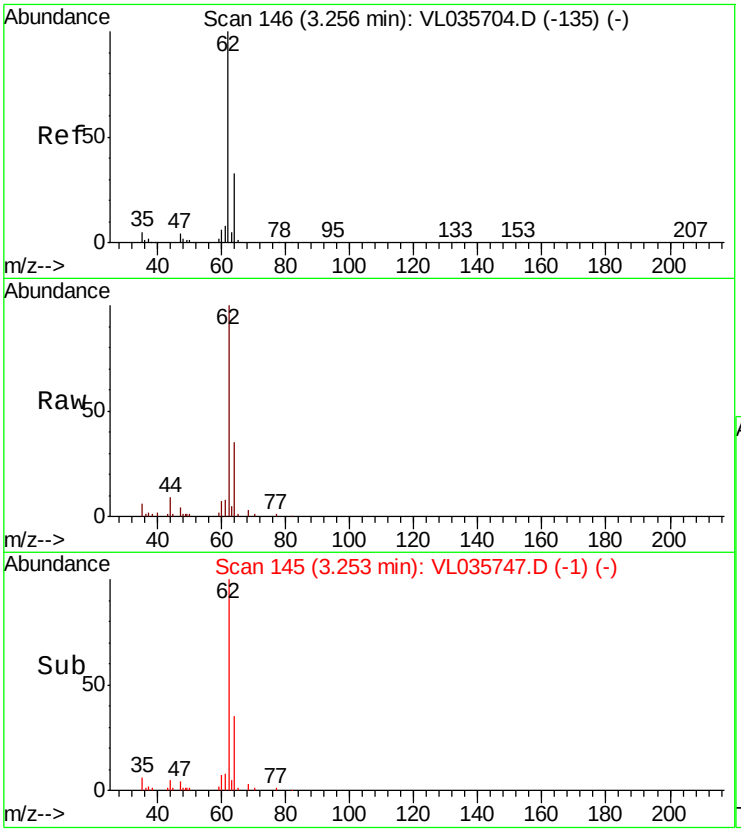


#4
Chloromethane
Concen: 0.044 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 50 Resp: 3318

Ion	Ratio	Lower	Upper
50	100		
52	21.0	26.8	40.2#



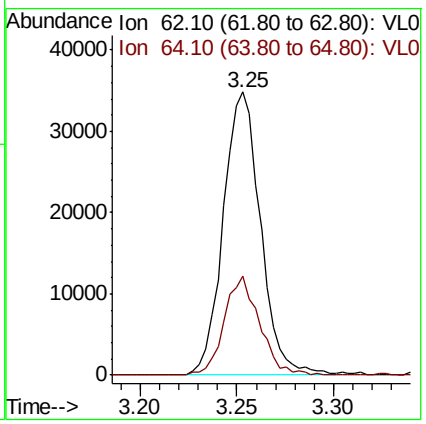


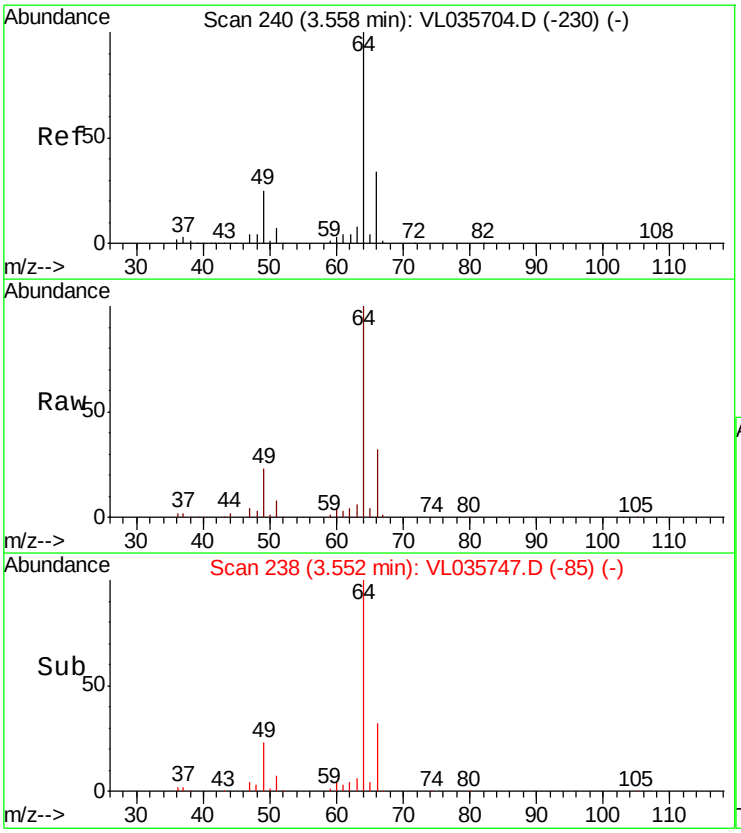
#5
Vinyl Chloride
Concen: 0.527 ppbv
RT: 3.25 min Scan# 145
Delta R.T. -0.00 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 46468

Ion	Ratio	Lower	Upper
62	100		
64	34.9	26.8	40.2

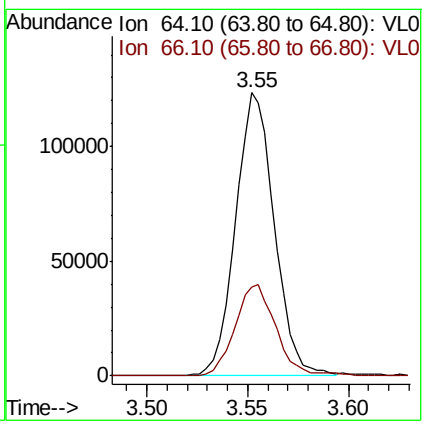


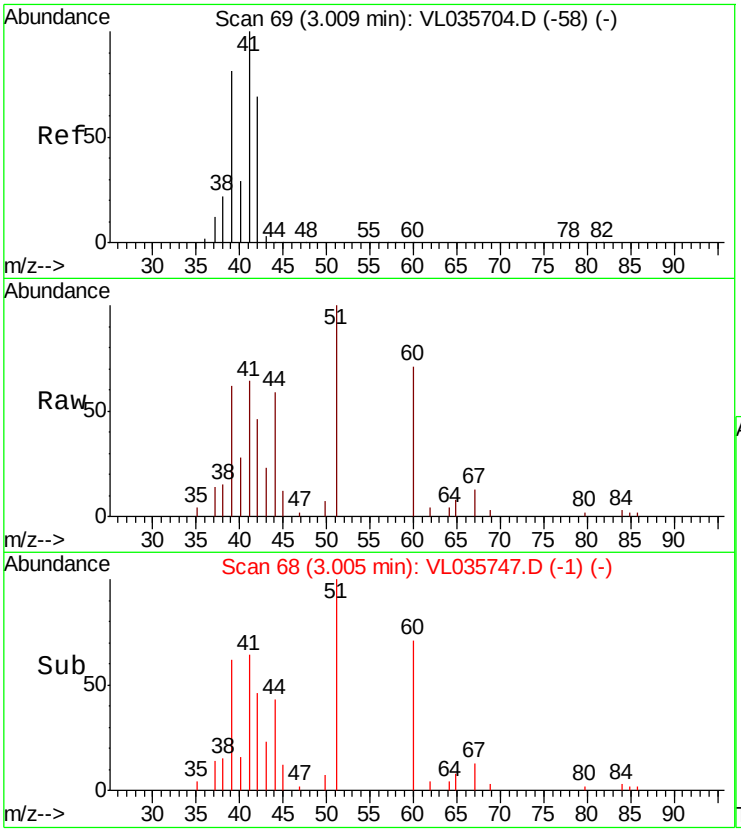


#7
Chloroethane
Concen: 5.143 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 64 Resp: 166423

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.9	40.3



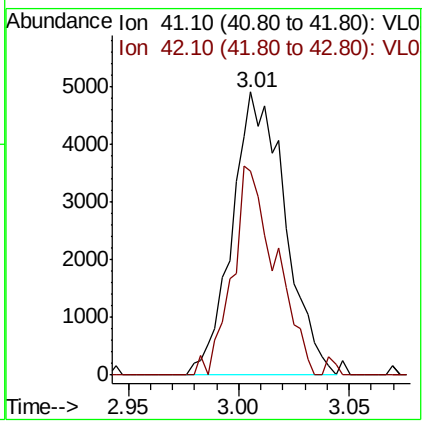


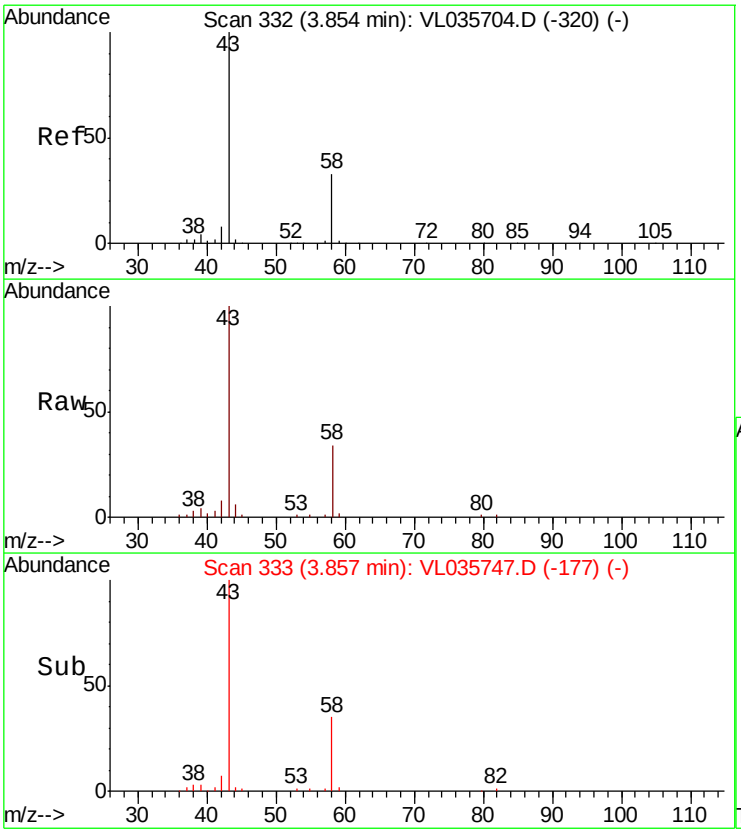
#9
Propene
Concen: 0.162 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.00 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 8170

Ion	Ratio	Lower	Upper
41	100		
42	61.2	56.2	84.4

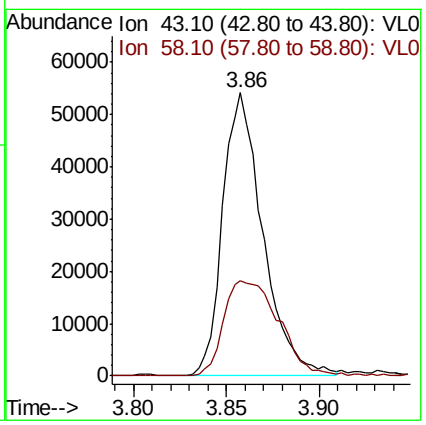


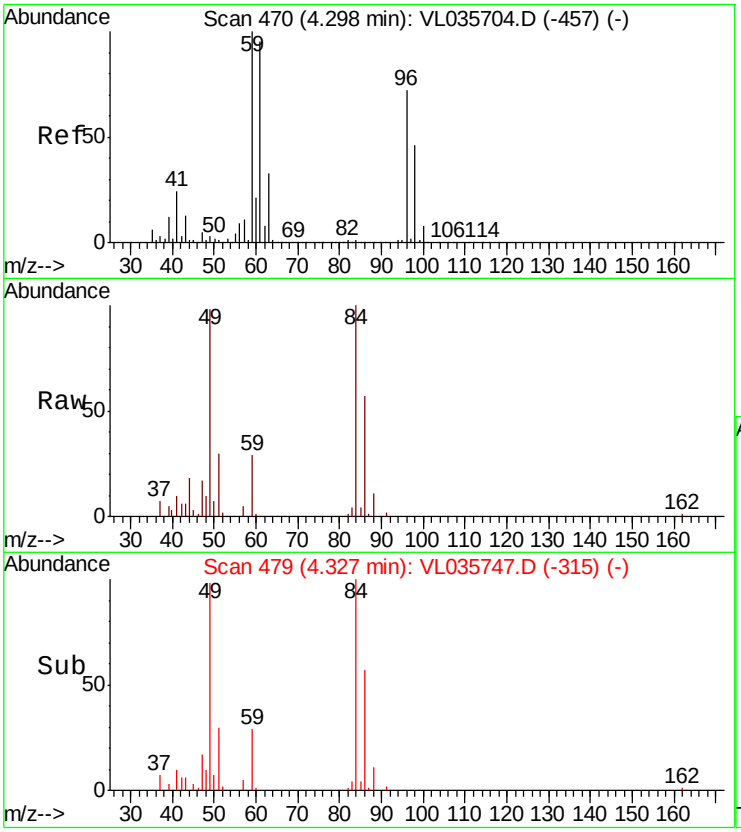


#15
Acetone
Concen: 0.587 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 43 Resp: 81484

Ion	Ratio	Lower	Upper
43	100		
58	46.0	27.3	40.9#



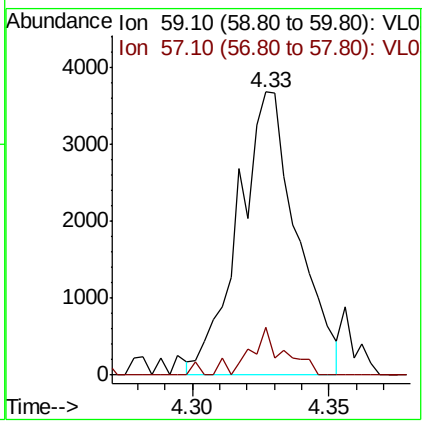


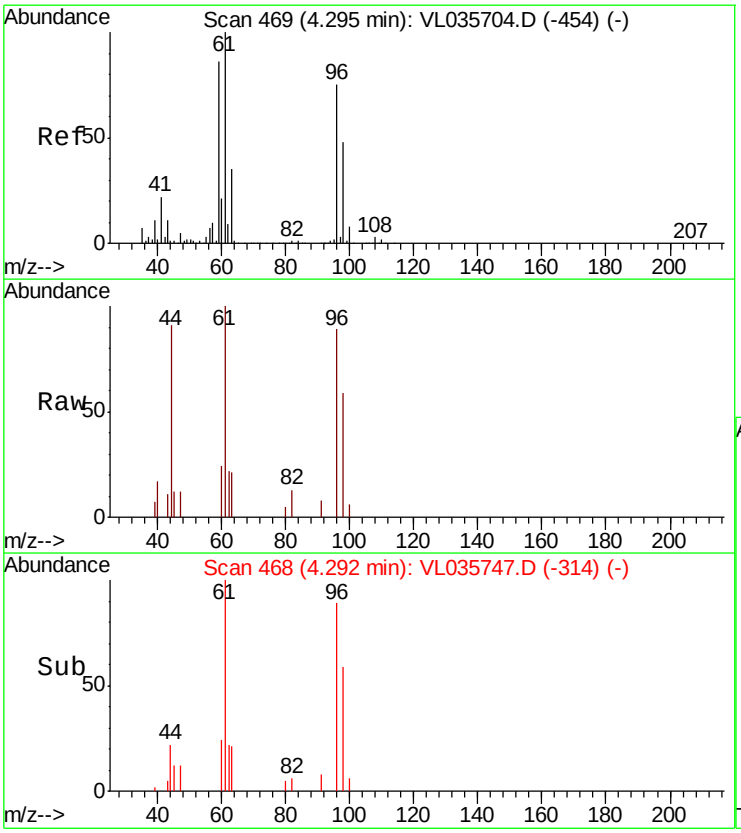
#17
tert-Butyl alcohol
Concen: 0.036 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.03 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 5496

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

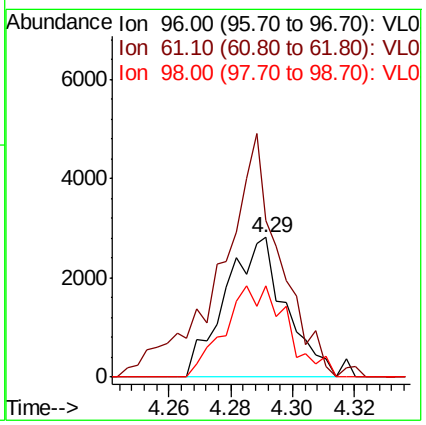


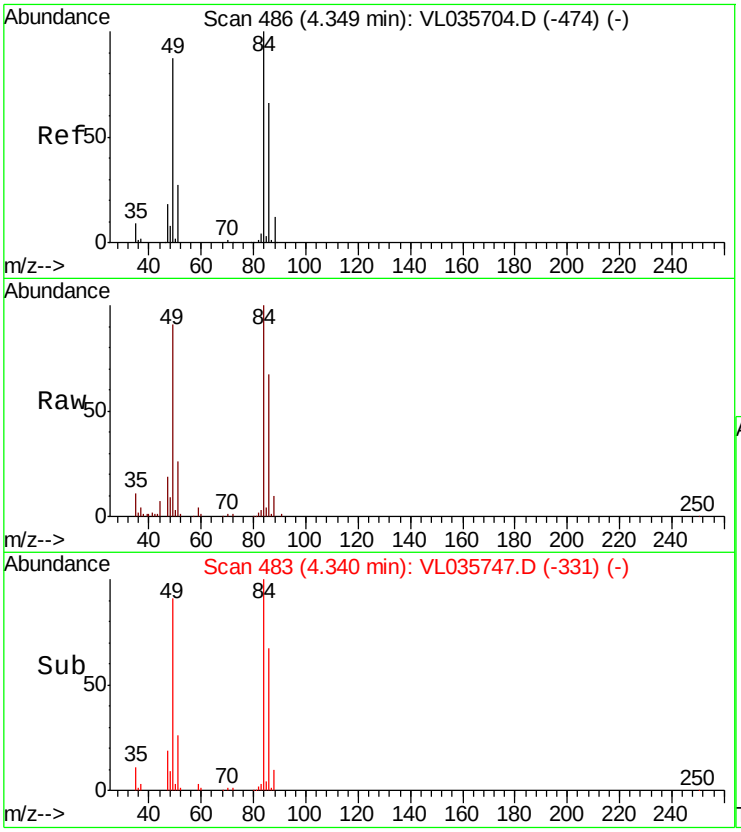


#18
1,1-Dichloroethene
Concen: 0.039 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 96 Resp: 3823

Ion	Ratio	Lower	Upper
96	100		
61	112.1	106.7	160.1
98	65.6	50.8	76.2



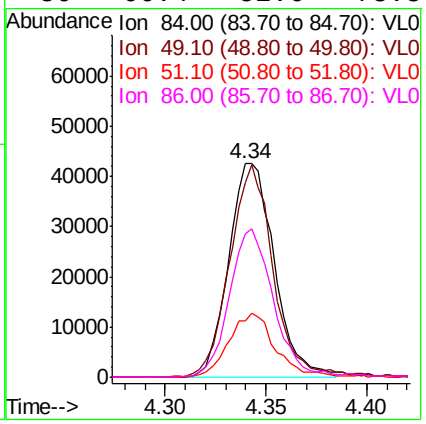


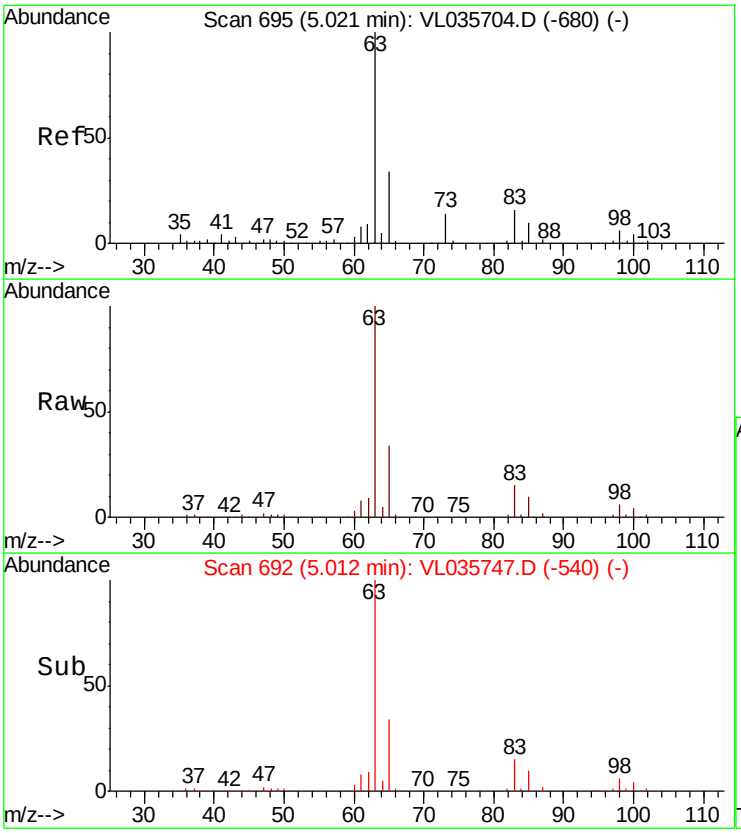
#20
Methylene Chloride
Concen: 0.663 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 67618

Ion	Ratio	Lower	Upper
84	100		
49	90.7	69.8	104.6
51	26.4	21.8	32.8
86	66.4	52.6	78.8

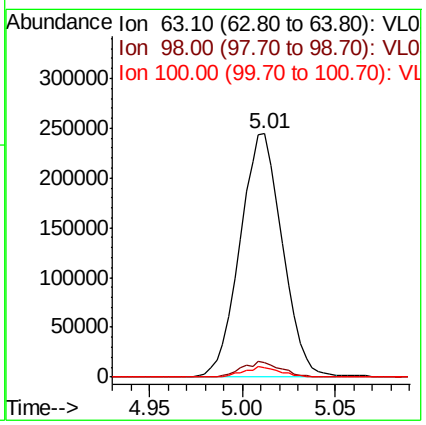


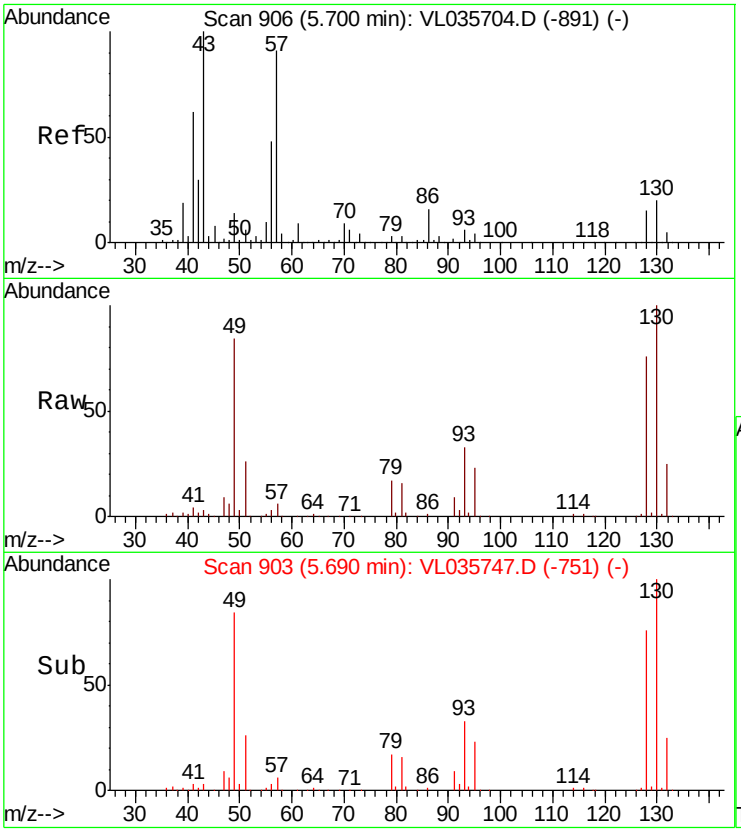


#24
1,1-Dichloroethane
Concen: 2.093 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 63 Resp: 387832

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.3	9.8
100	3.6	2.0	5.8



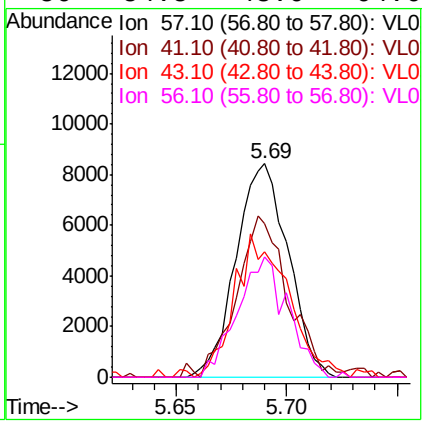


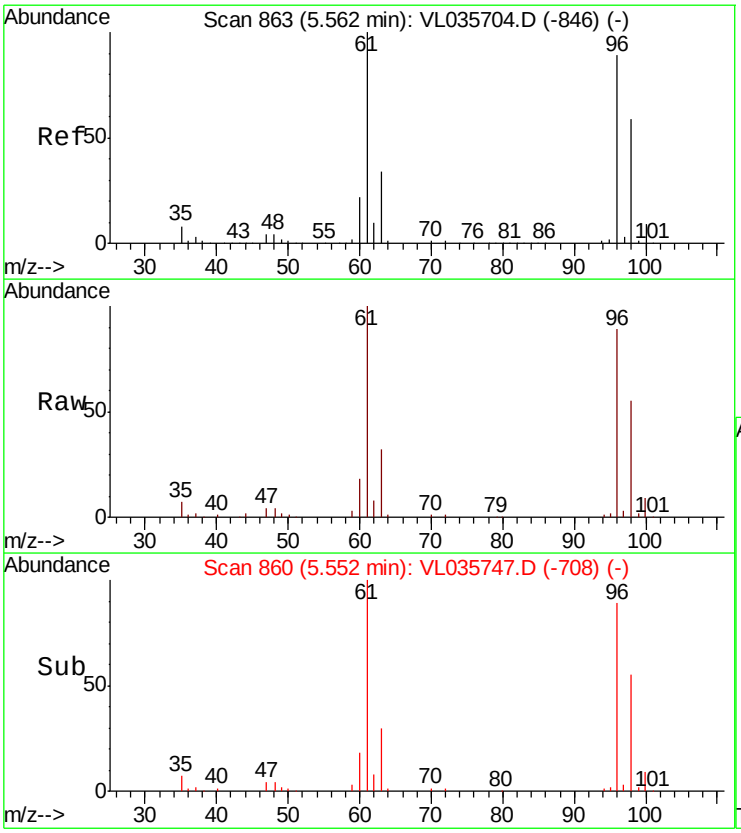
#26
Hexane
Concen: 0.101 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 13839

Ion	Ratio	Lower	Upper
57	100		
41	76.9	57.9	86.9
43	70.7	143.8	215.6#
56	54.5	43.0	64.6

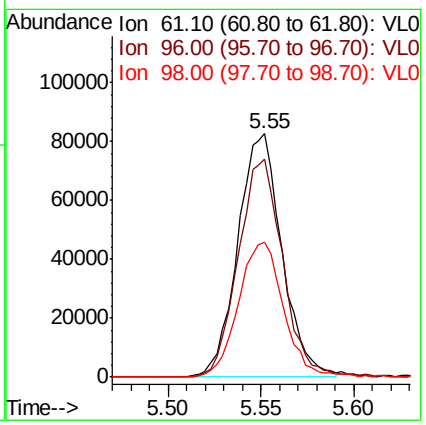


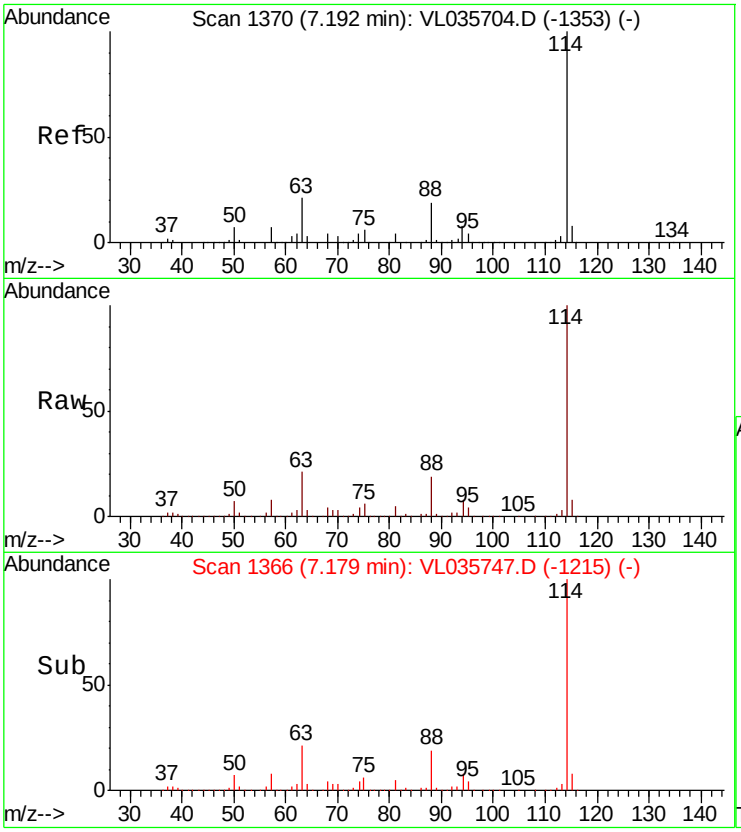


#31
cis-1,2-Dichloroethene
Concen: 1.038 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 61 Resp: 137198

Ion	Ratio	Lower	Upper
61	100		
96	89.4	71.4	107.2
98	55.4	47.4	71.2



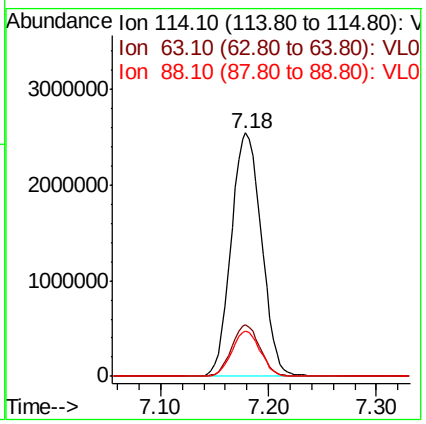


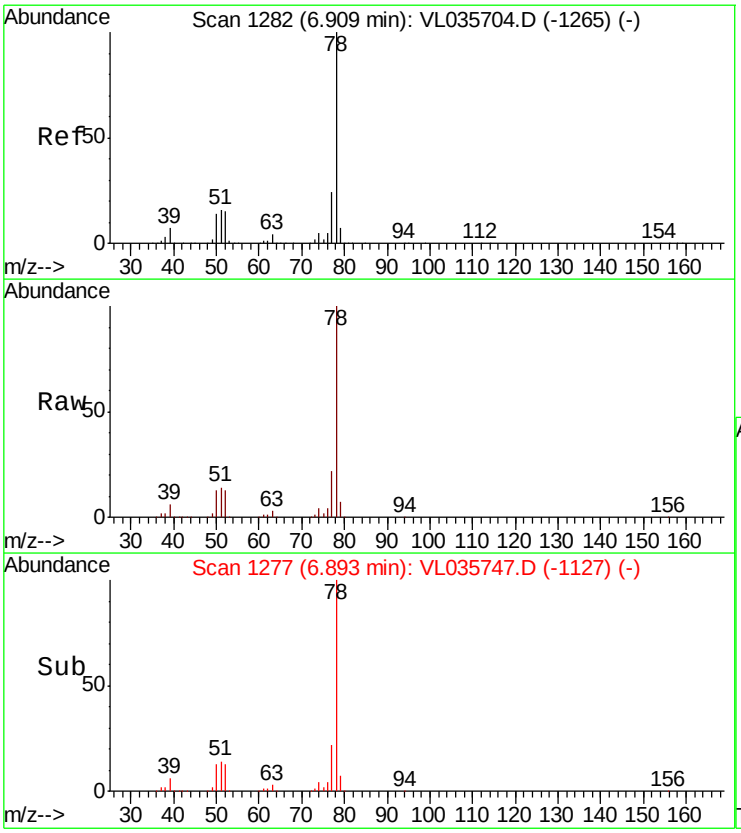
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 4998767

Ion	Ratio	Lower	Upper
114	100		
63	19.8	16.1	24.1
88	17.6	14.1	21.1

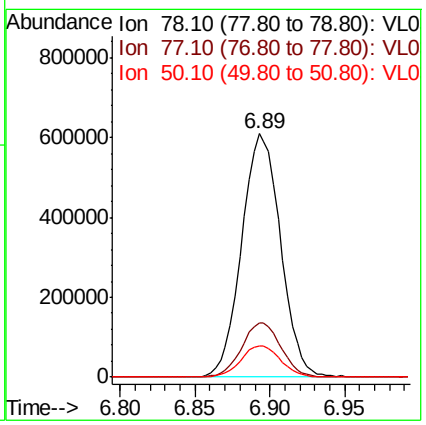


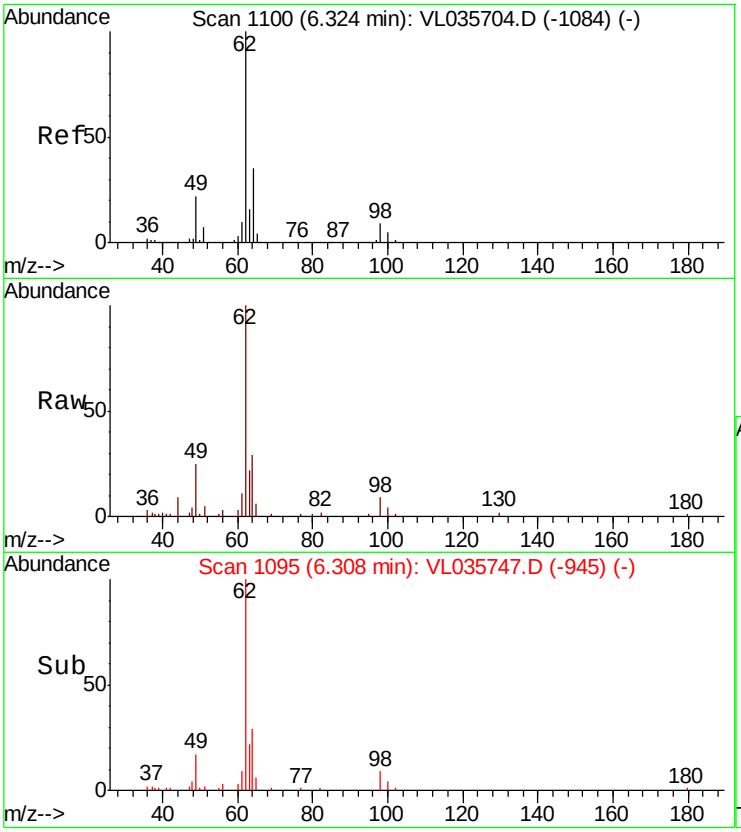


#36
Benzene
Concen: 3.388 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 78 Resp: 1103656

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.3	28.9
50	12.8	11.6	17.4



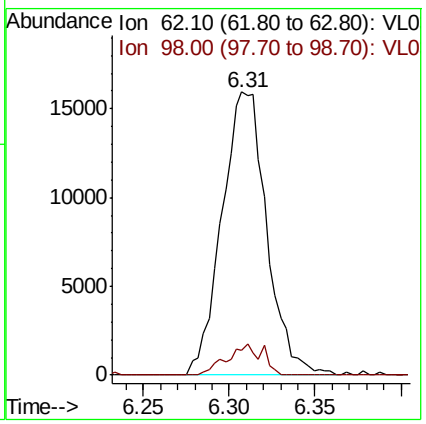


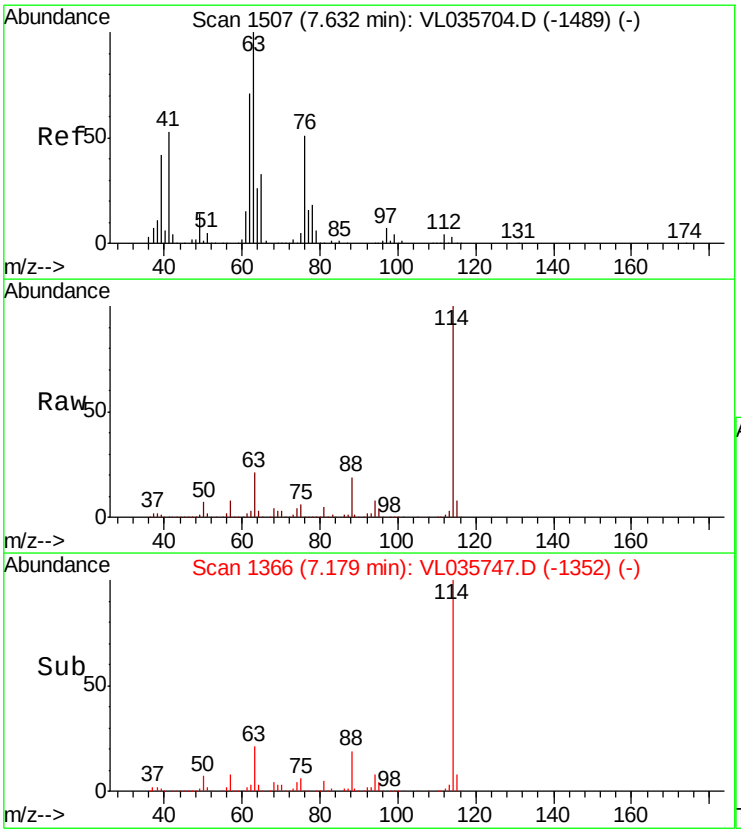
#37
1,2-Dichloroethane
Concen: 0.171 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 29053

Ion	Ratio	Lower	Upper
62	100		
98	8.7	6.9	10.3

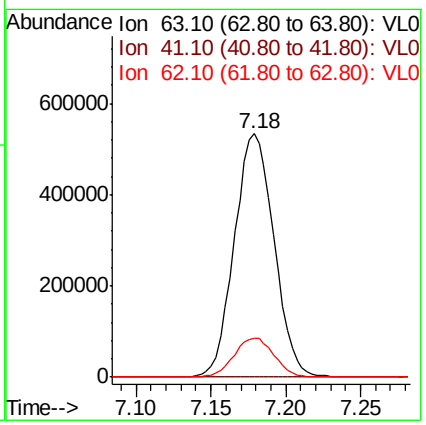


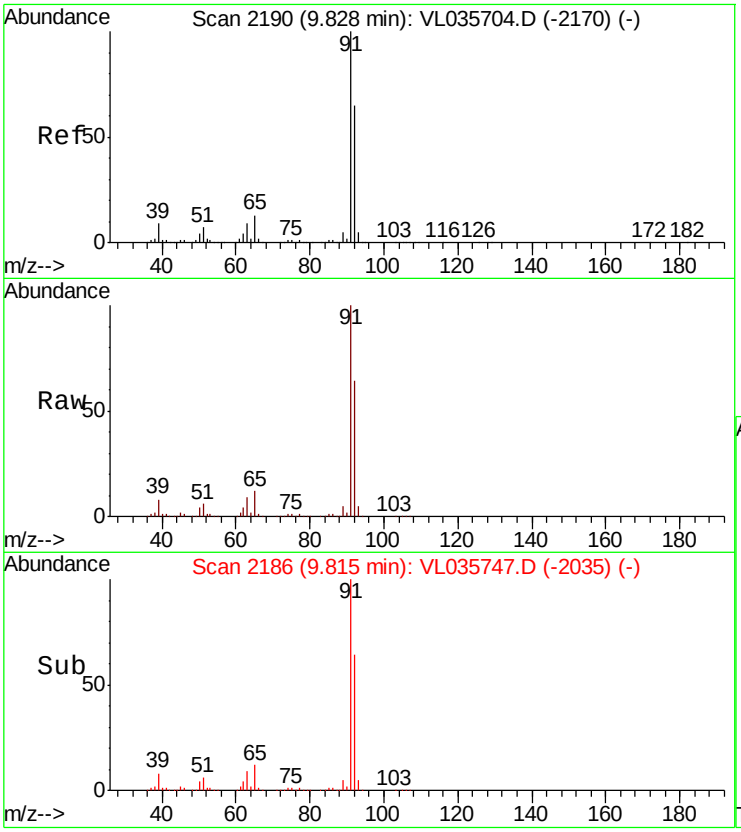


#39
1,2-Dichloropropane
Concen: 8.339 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.45 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 63 Resp: 984506

Ion	Ratio	Lower	Upper
63	100		
41	0.2	42.6	63.8#
62	16.1	56.5	84.7#



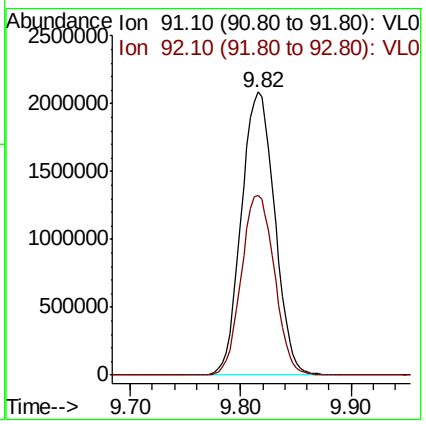


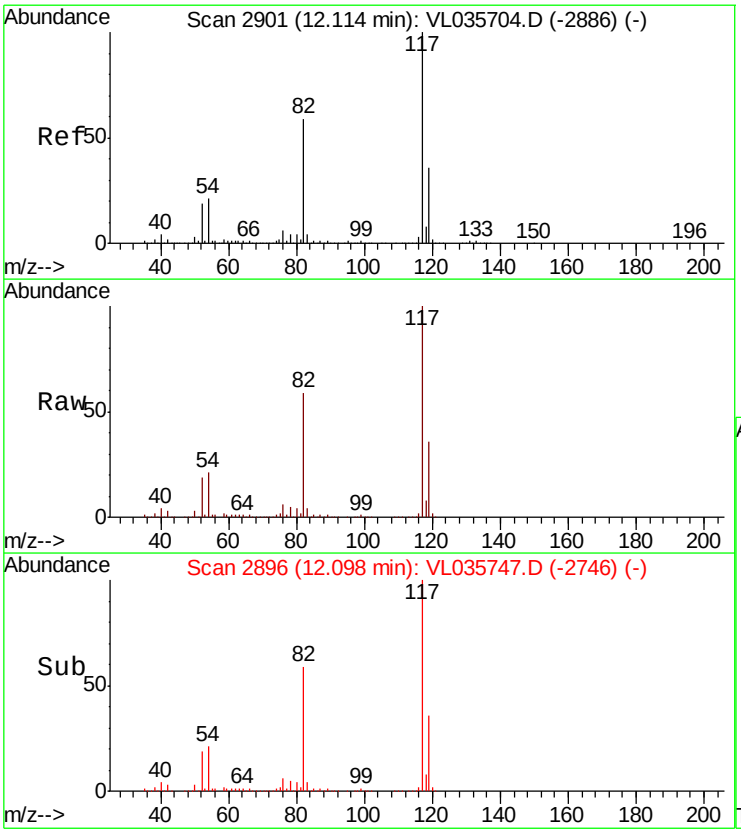
#53
Toluene
Concen: 11.416 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4384717

Ion	Ratio	Lower	Upper
91	100		
92	63.2	50.0	75.0

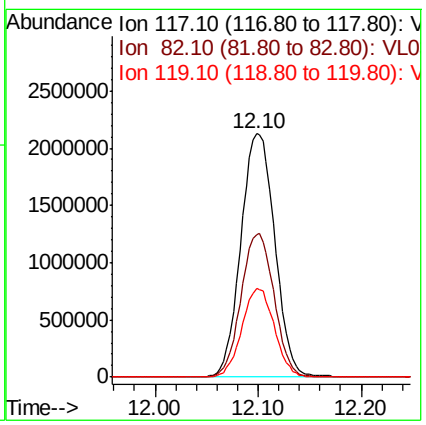


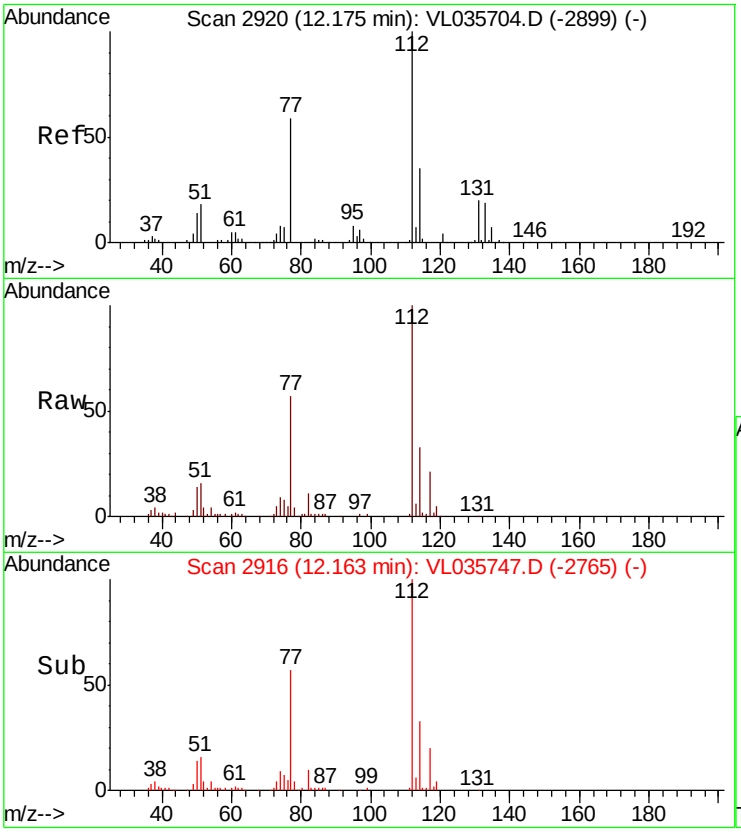


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion:117 Resp: 4864180

Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.1	69.1
119	35.0	28.0	42.0



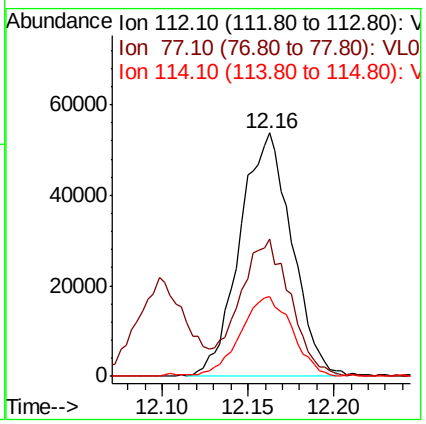


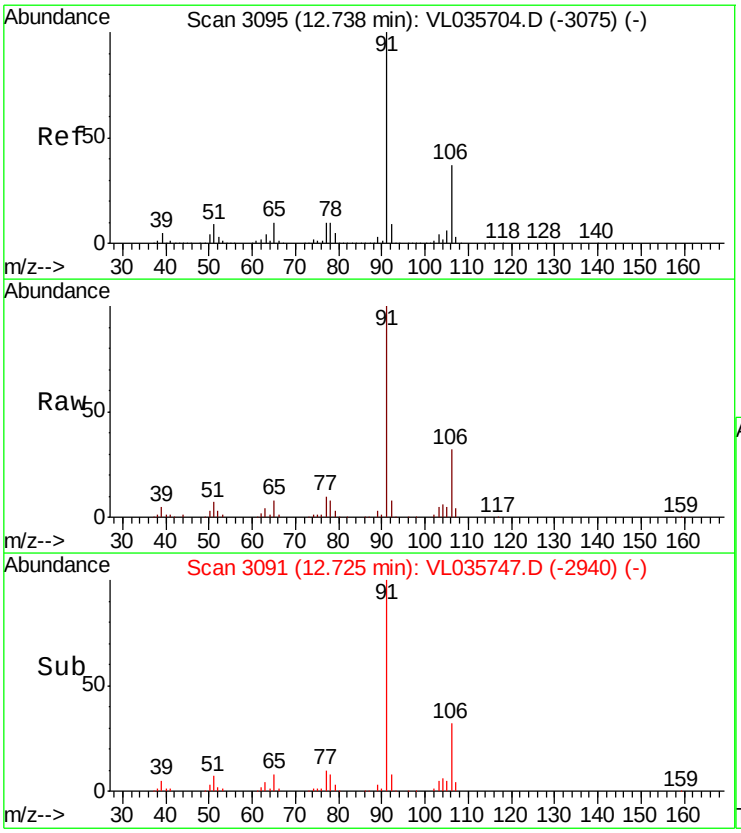
#57
Chlorobenzene
Concen: 0.306 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 112603

Ion	Ratio	Lower	Upper
112	100		
77	55.3	48.2	72.2
114	32.5	31.9	39.1

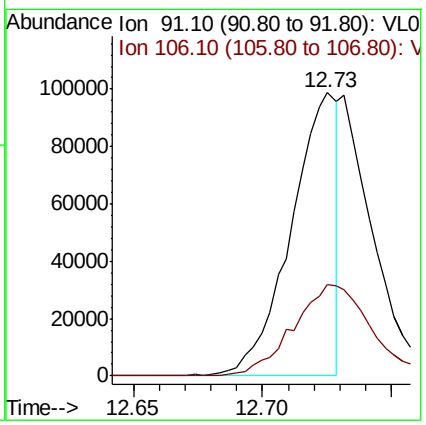


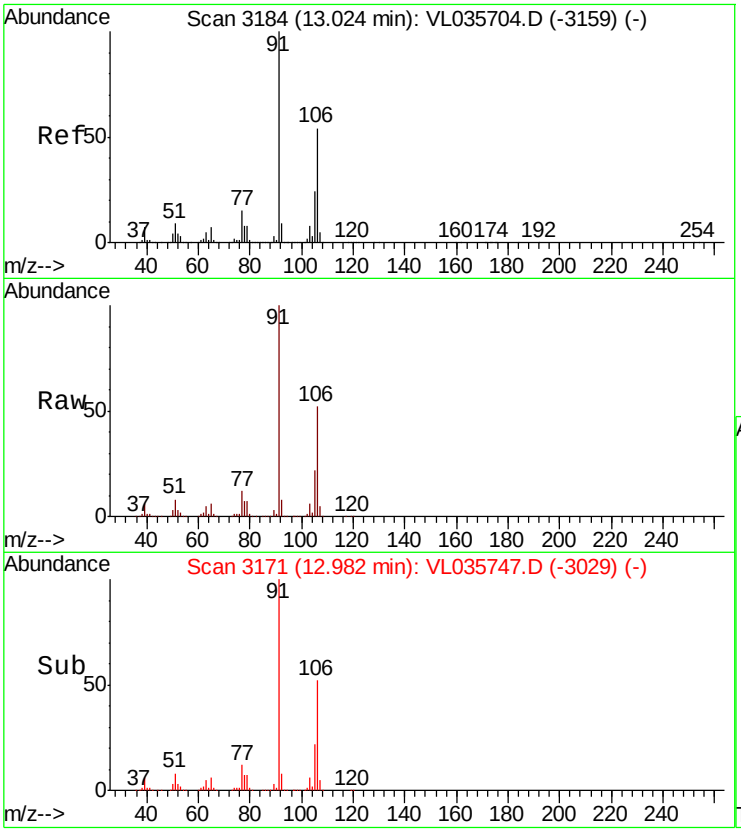


#58
Ethyl Benzene
Concen: 0.253 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 91 Resp: 123454

Ion	Ratio	Lower	Upper
91	100		
106	32.3	29.7	44.5



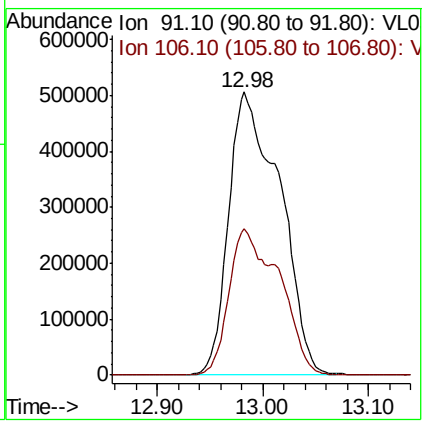


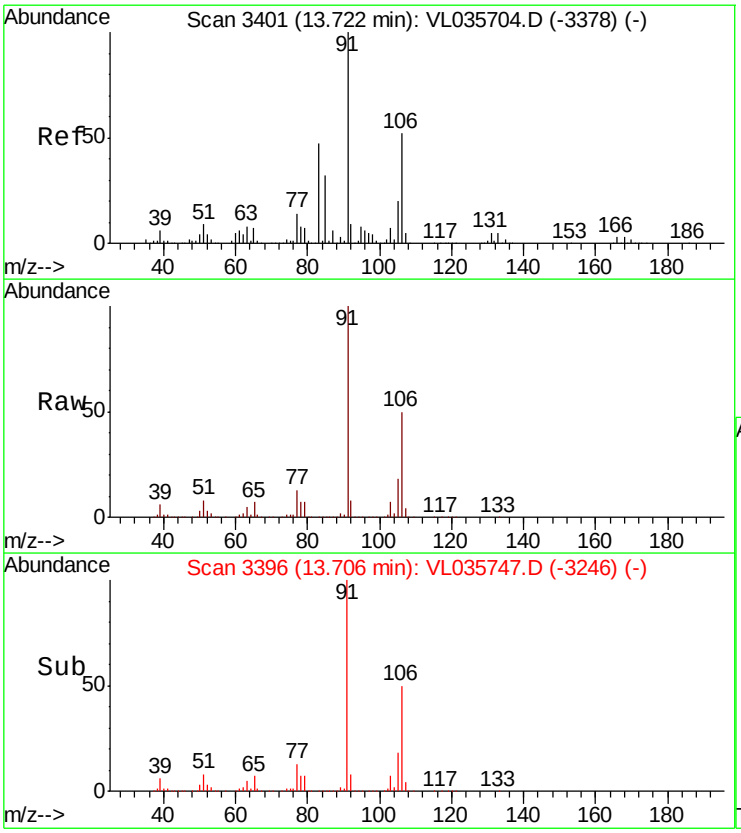
#59
m/p-Xylene
Concen: 3.978 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 1696094

Ion	Ratio	Lower	Upper
91	100		
106	51.4	41.4	62.0

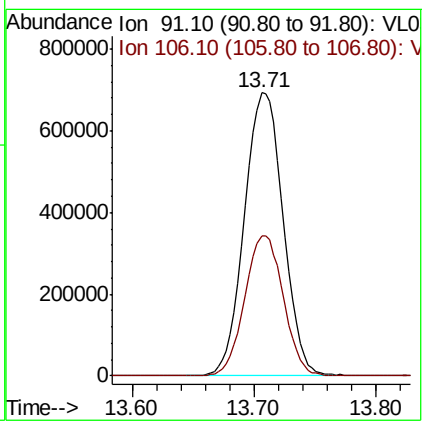


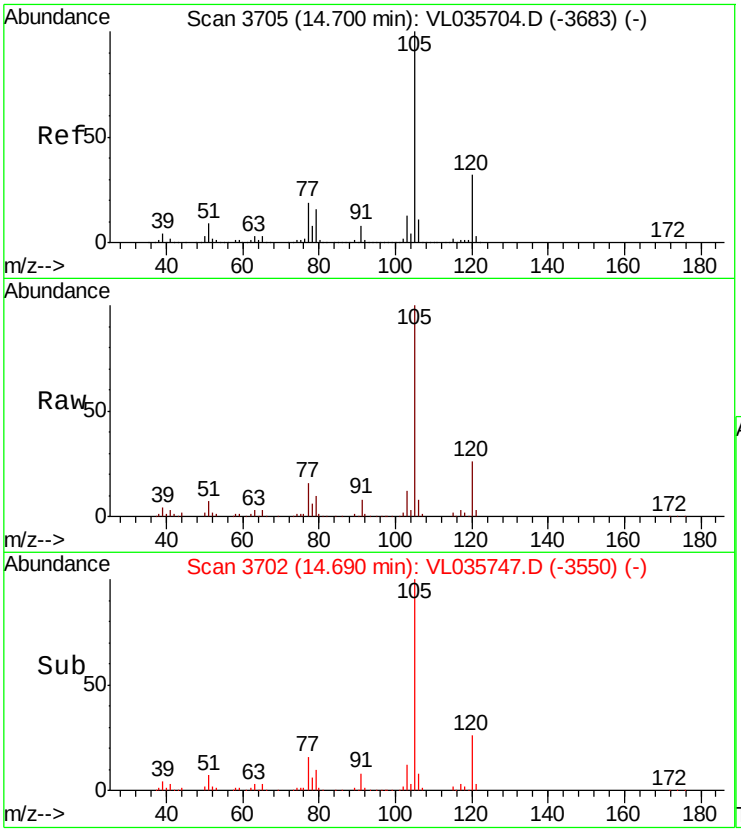


#60
o-Xylene
Concen: 3.528 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 91 Resp: 1521439

Ion	Ratio	Lower	Upper
91	100		
106	49.4	25.0	75.0



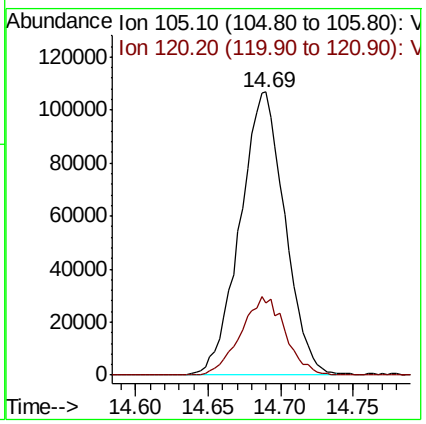


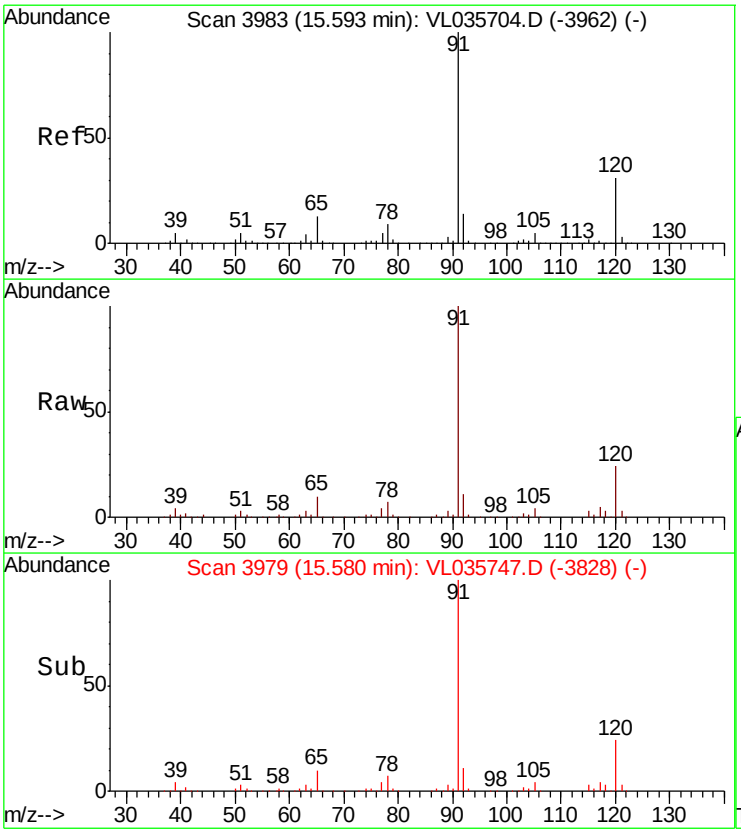
#62
Isopropylbenzene
Concen: 0.341 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 228173

Ion	Ratio	Lower	Upper
105	100		
120	27.7	24.1	36.1

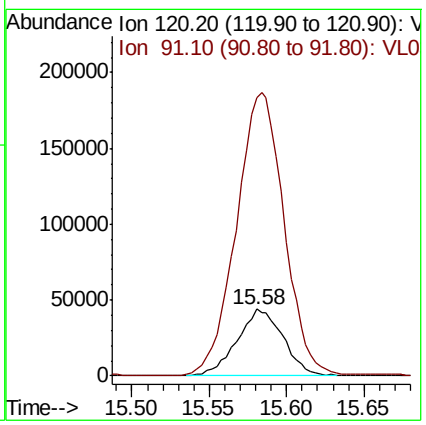


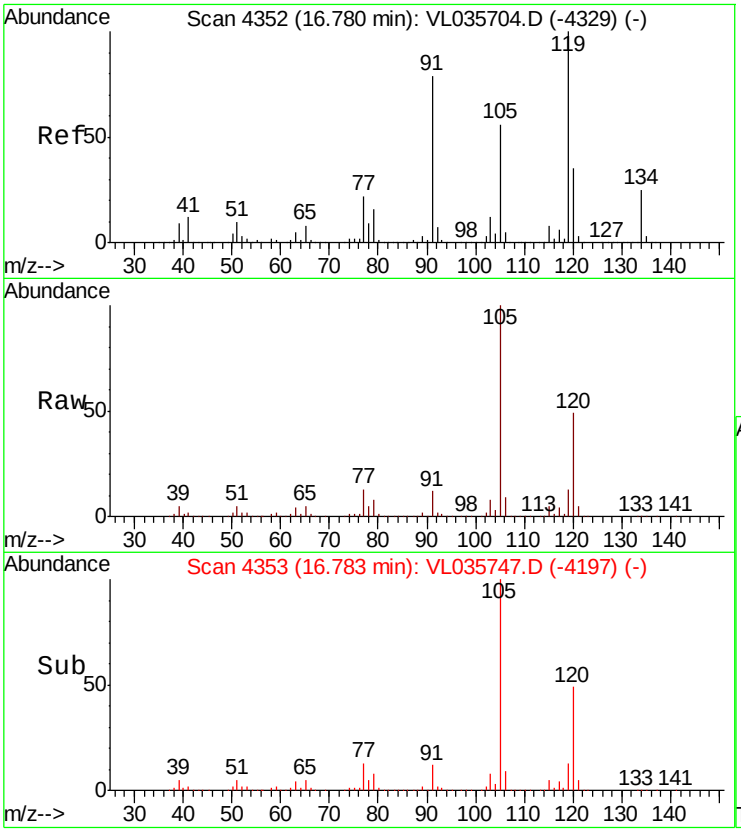


#64
n-propylbenzene
Concen: 0.467 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion:120 Resp: 91369

Ion	Ratio	Lower	Upper
120	100		
91	439.9	300.4	450.6



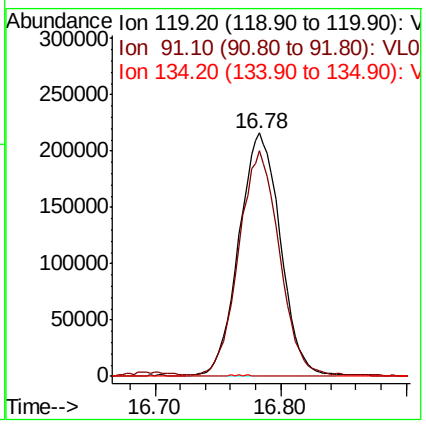


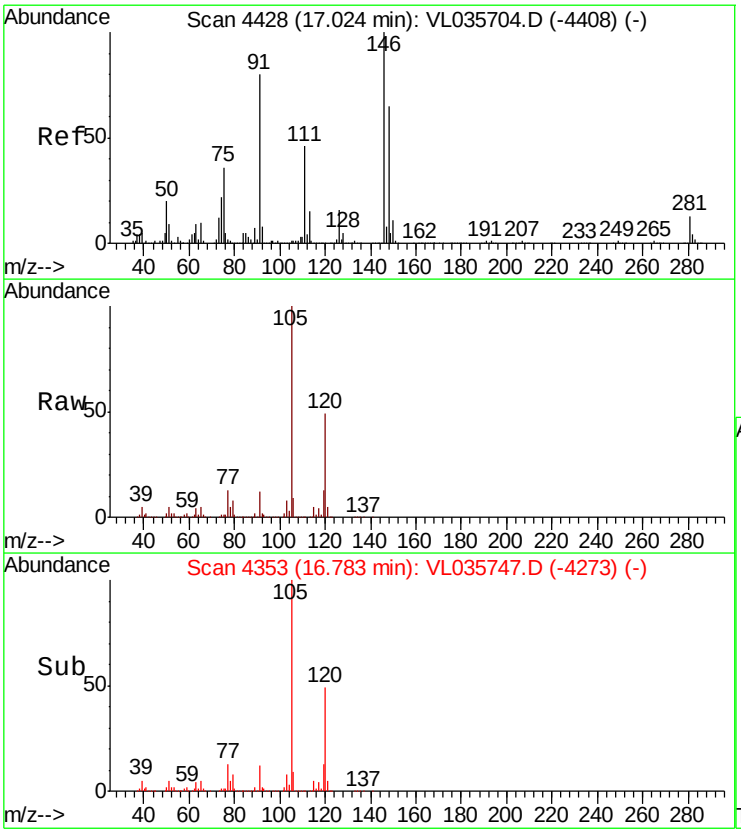
#65
tert-Butylbenzene
Concen: 0.810 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. 0.00 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 492796

Ion	Ratio	Lower	Upper
119	100		
91	92.9	62.4	93.6
134	0.2	18.2	27.2#

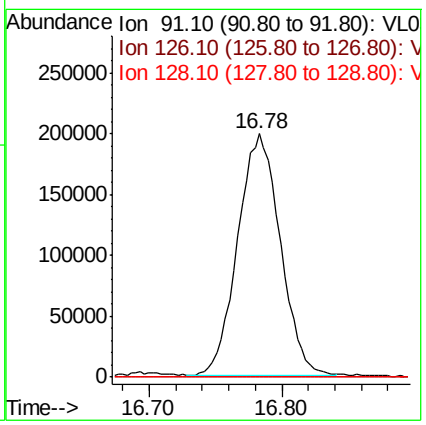


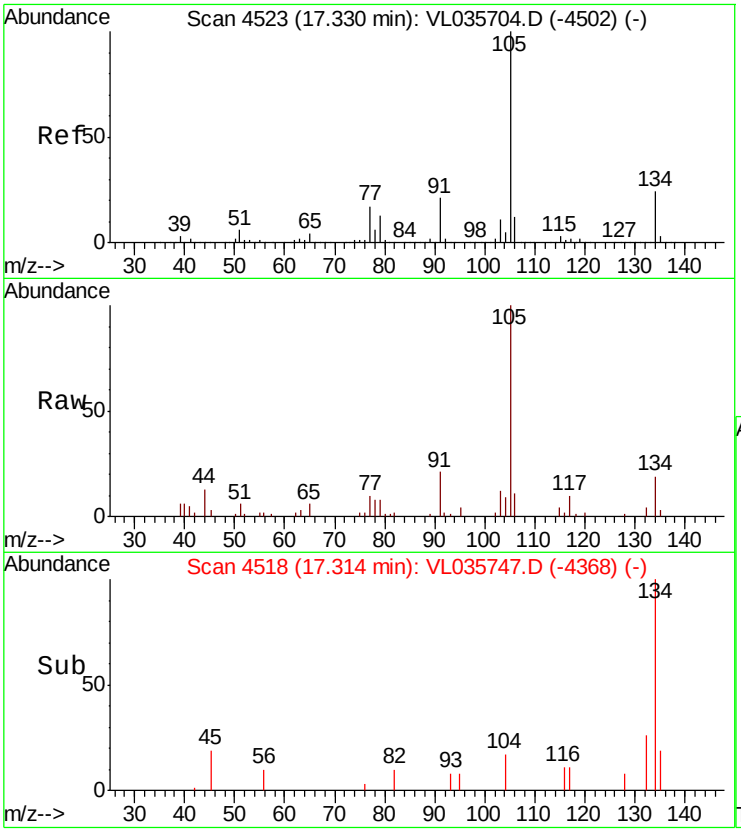


#66
Benzyl Chloride
Concen: 2.419 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.24 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 91 Resp: 445739

Ion	Ratio	Lower	Upper
91	100		
126	0.0	15.3	22.9#
128	0.0	5.0	7.4#



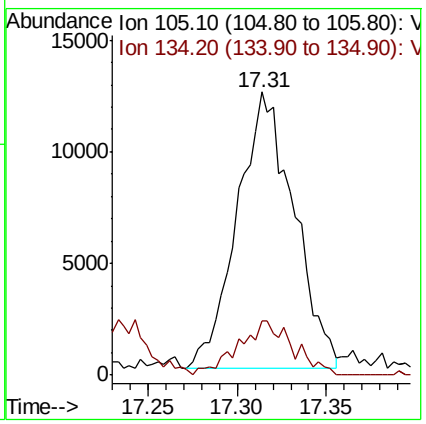


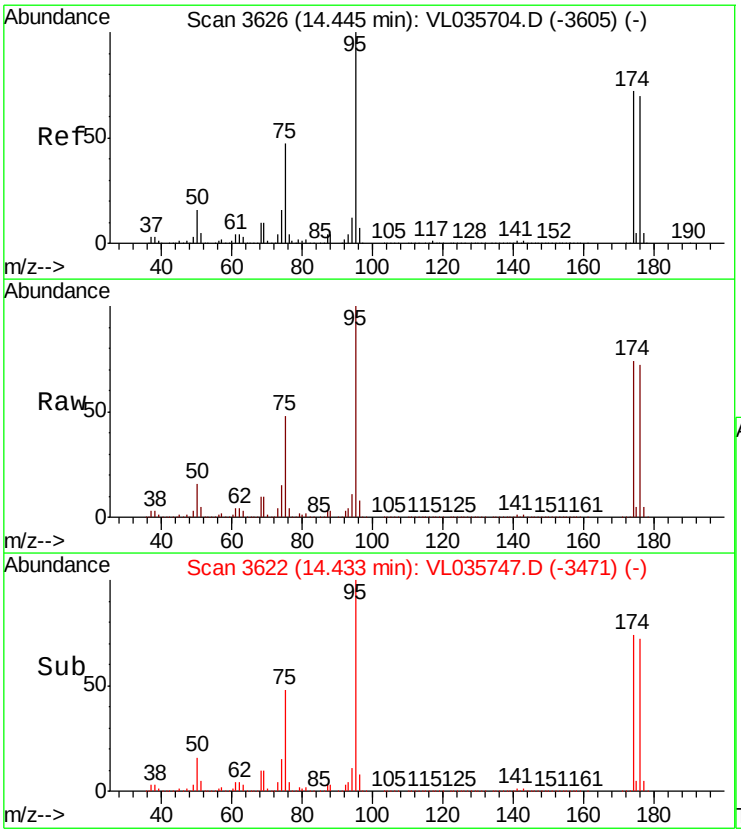
#67
sec-Butylbenzene
Concen: 0.032 ppbv
RT: 17.31 min Scan# 4518
Delta R.T. -0.02 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 27272

Ion	Ratio	Lower	Upper
105	100		
134	19.0	17.6	26.4

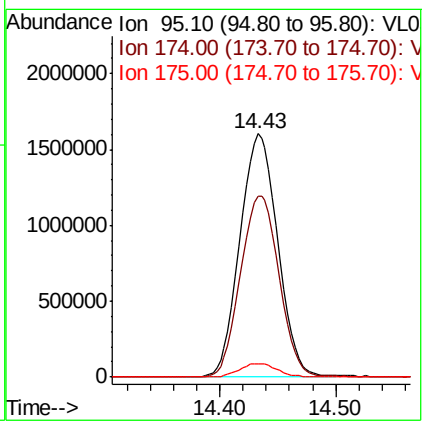


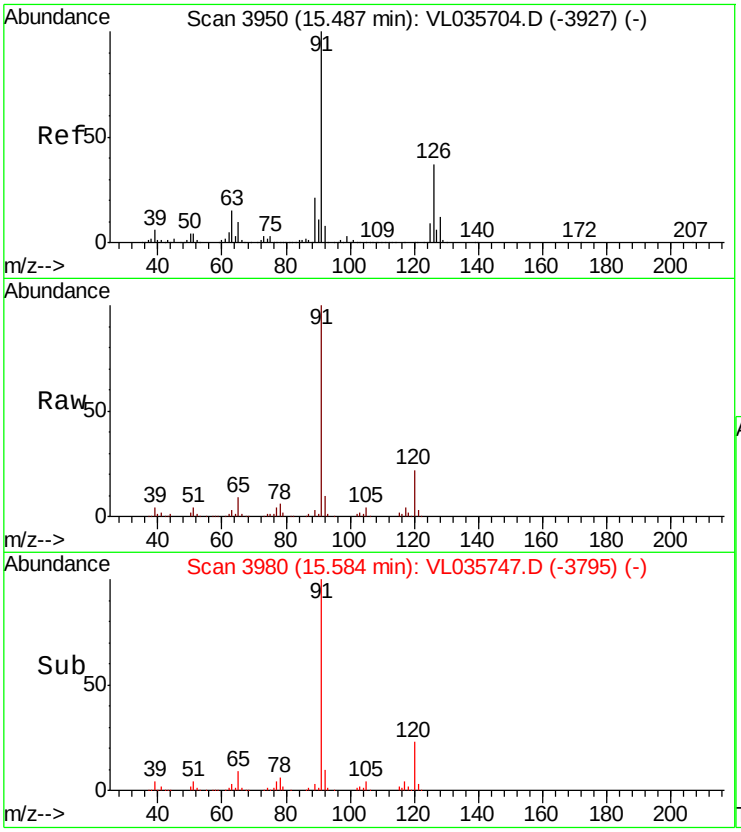


#68
1-Bromo-4-Fluorobenzene
Concen: 10.006 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion: 95 Resp: 3647000

Ion	Ratio	Lower	Upper
95	100		
174	76.7	59.6	89.4
175	5.6	4.2	6.4



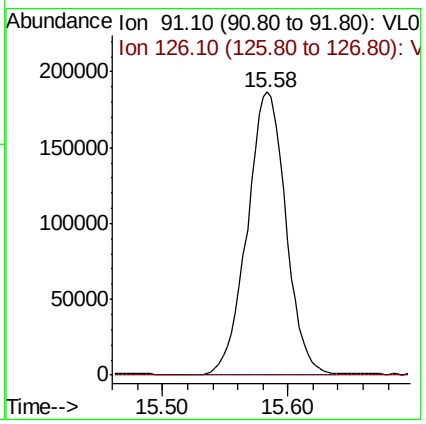


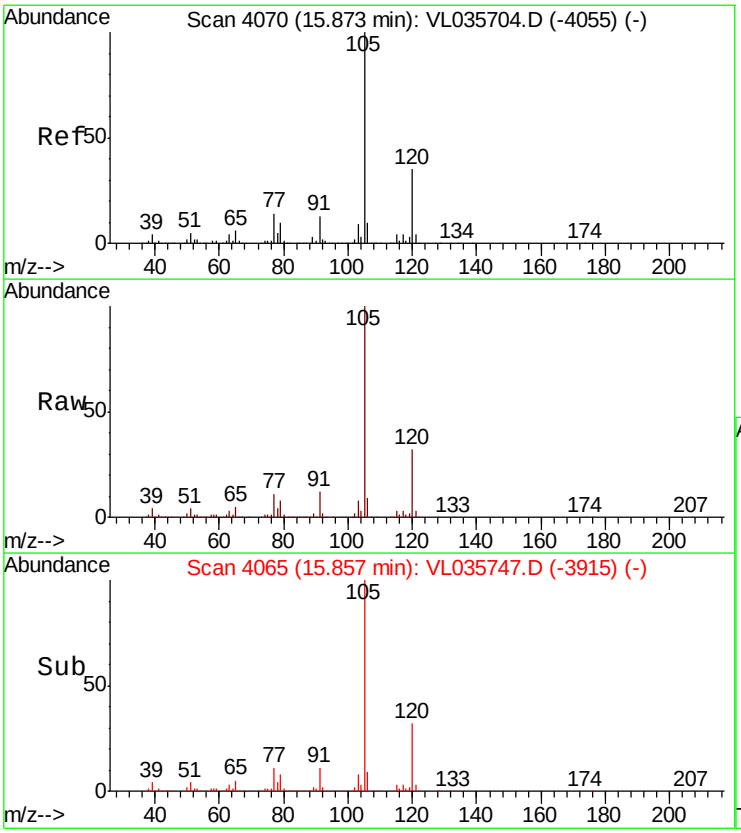
#71
2-Chlorotoluene
Concen: 0.822 ppbv
RT: 15.58 min Scan# 3980
Delta R.T. 0.10 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 400972

Ion	Ratio	Lower	Upper
91	100		
126	0.2	14.4	57.4#

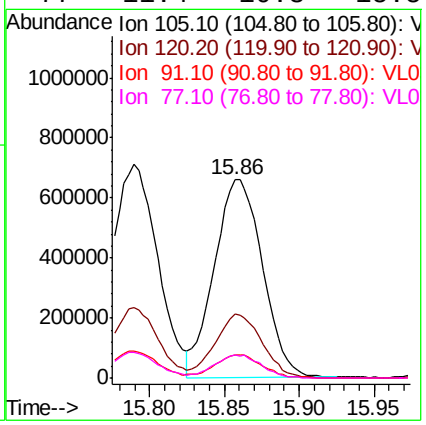


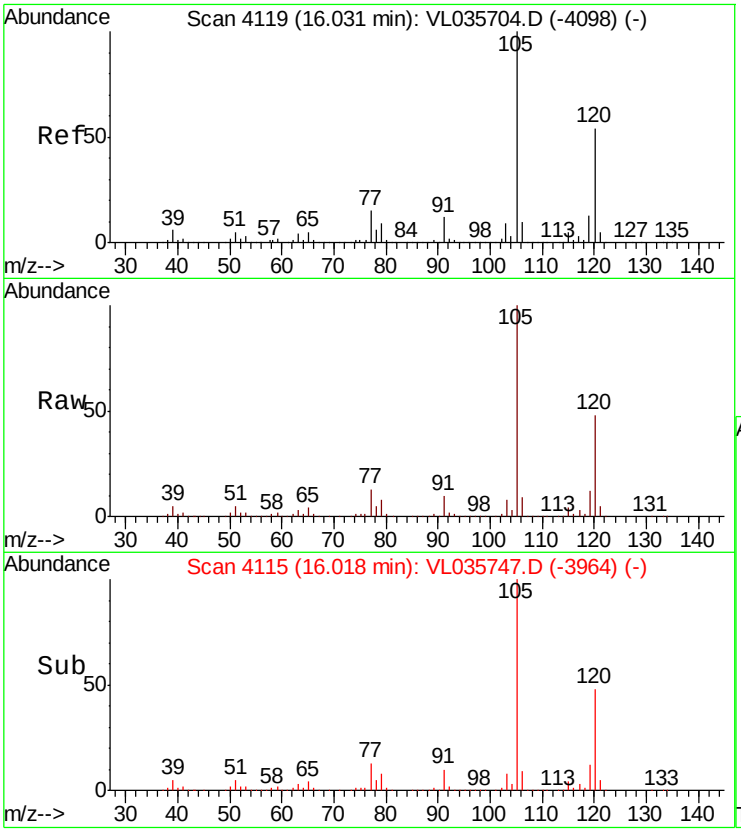


#72
4-Ethyltoluene
Concen: 2.896 ppbv
RT: 15.86 min Scan# 4065
Delta R.T. -0.02 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion:105 Resp: 1479486

Ion	Ratio	Lower	Upper
105	100		
120	31.5	26.5	39.7
91	11.4	10.2	15.2
77	11.4	10.3	15.5



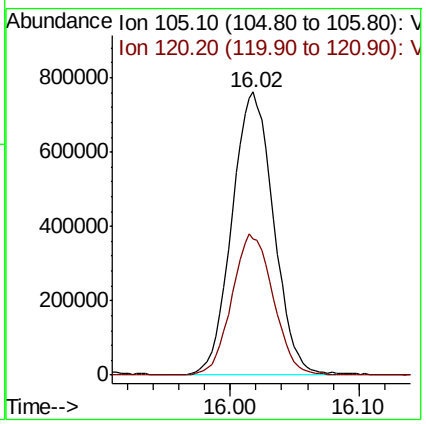


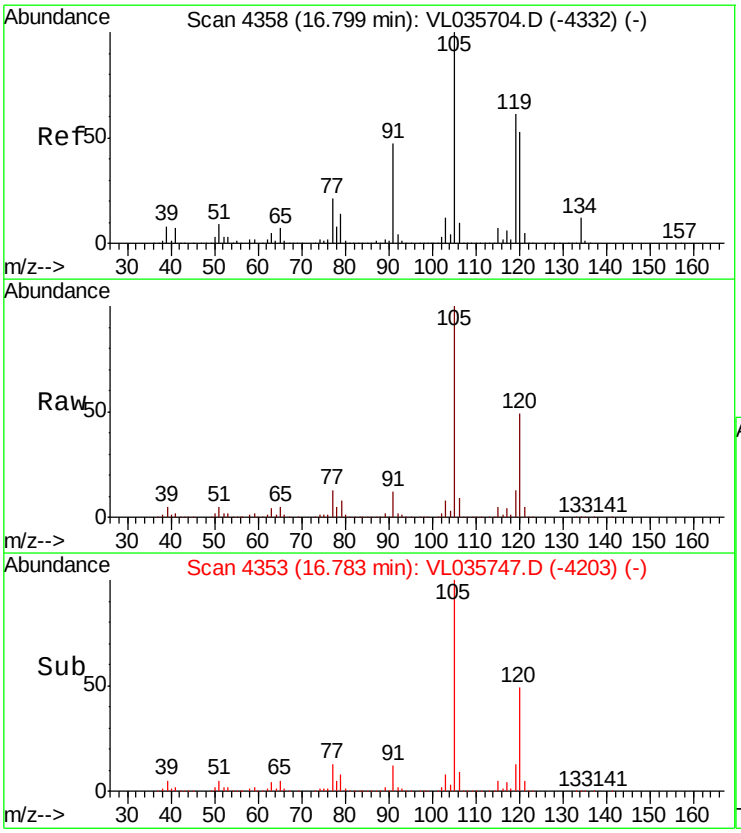
#73
1,3,5-Trimethylbenzene
Concen: 3.504 ppbv
RT: 16.02 min Scan# 4115
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 1691698

Ion	Ratio	Lower	Upper
105	100		
120	48.1	43.0	64.4

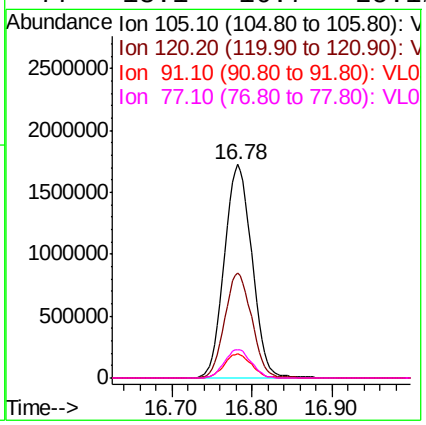


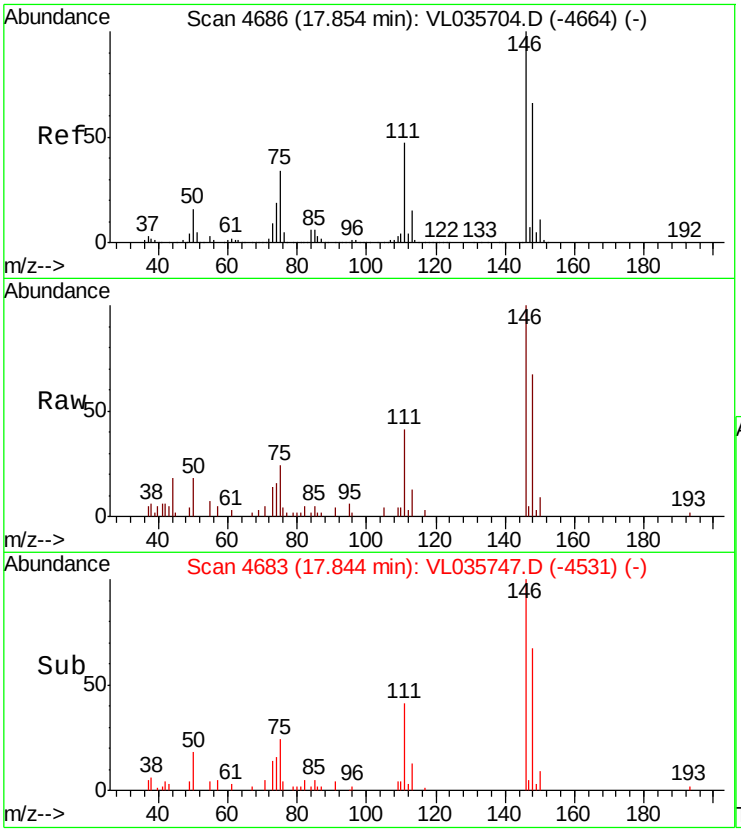


#74
1,2,4-Trimethylbenzene
Concen: 7.460 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.02 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Tgt Ion:105 Resp: 4060265

Ion	Ratio	Lower	Upper
105	100		
120	49.3	42.5	63.7
91	11.6	37.7	56.5#
77	13.1	16.7	25.1#





#77
1,2-Dichlorobenzene
Concen: 0.062 ppbv
RT: 17.84 min Scan# 4683
Delta R.T. -0.01 min
Lab File: VL035747.D
Acq: 8 Oct 2020 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 21926

Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.5
148	67.4	32.6	98.0