Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061920\

Quantitation Report (Not Reviewed)

Data File : VL035099.D
Acq On : 19 Jun 2020 17:50
Operator : SY/AP
Sample : VSTDICCC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Quant Time: Jun 20 01:19:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1351253	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3140389	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	2910150	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2508959	10.69	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.00	85	117524	0.605	ppbv		98
3) Chlorodifluoromethane	2.94	51	81025	0.524	ppbv		97
4) Chloromethane	3.09	50	44405	0.502	ppbv		93
5) Vinyl Chloride	3.21	62	39870	0.462	ppbv		97
6) Bromomethane	3.43	94	26740	0.518	ppbv		98
7) Chloroethane	3.52	64	16699	0.540	ppbv		92
8) Dichlorotetrafluoroethane	3.14	85	112491	0.564	ppbv		95
9) Propene	2.96	41	28645	0.432	ppbv		93
10) Heptane	8.12	43	65022	0.391	ppbv		97
11) Trichlorofluoromethane	3.92	101	107582	0.544	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	77527	0.552	ppbv		96
13) Ethanol	3.57	45	6937	0.324	ppbv	#	39
14) Bromoethene	3.70	108	29214	0.502	ppbv		94
15) Acetone	3.83	43	95088	0.533	ppbv		91
16) 1,3-Butadiene	3.28	39	35394	0.461	ppbv		98
17) tert-Butyl alcohol	4.27	59	79093	0.500	ppbv		99
18) 1,1-Dichloroethene	4.26	96	30528	0.500	ppbv		93
19) Isopropyl Alcohol	3.94	45	60736	0.517	ppbv	#	91
20) Methylene Chloride	4.31	84	39797	0.675	ppbv		87
21) Allyl Chloride	4.38	41	49658	0.494	ppbv		96
22) trans-1,2-Dichloroethene	4.86	96	29210	0.489	ppbv	#	94
23) Vinyl Acetate	5.05	43	86534	0.387	ppbv	#	97
24) 1,1-Dichloroethane	4.98	63	55509	0.318	ppbv		96
25) Ethyl Acetate	5.66	43	157573	0.526	ppbv		99
26) Hexane	5.67	57	66573	0.513	ppbv		92
27) Carbon Disulfide	4.52	76	62570	0.413	ppbv	#	87
28) Methyl tert-Butyl Ether	5.02	73	89927	0.456	ppbv		97
29) Chloroform	5.73	83	117114	0.549	ppbv		91
30) Cyclohexane	7.12	84	16613	0.165	ppbv	#	1
31) cis-1,2-Dichloroethene	5.53	61	58482	0.460	ppbv	#	87
32) 1,1,1-Trichloroethane	6.50	97	96498	0.501	ppbv		98
34) 2-Butanone	5.23	43	87600	0.452	ppbv		97
35) Carbon Tetrachloride	7.01	117	50162	0.253	ppbv	#	80
36) Benzene	6.88	78	117021	0.453	ppbv	#	91
37) 1,2-Dichloroethane	6.29	62	79194	0.495	ppbv		98
38) Trichloroethene	7.83	130	43883	0.436	ppbv	#	82
39) 1,2-Dichloropropane	7.61	63	47964	0.463	ppbv	#	82
41) Tetrahydrofuran	6.06	42	39272	0.386	ppbv	#	91
42) Bromodichloromethane	7.79	83	97502	0.453	ppbv	#	92
43) Methyl Methacrylate	8.01	69	43165	0.396	ppbv		95
44) 2,2,4-Trimethylpentane	7.86	57	206293	0.449	ppbv		95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061920\

Quantitation Report (Not Reviewed)

Data File : VL035099.D
Acq On : 19 Jun 2020 17:50
Operator : SY/AP
Sample : VSTDICCC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Quant Time: Jun 20 01:19:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	23047	0.210	ppbv		89
46) cis-1,3-Dichloropropene	8.71	75	47136	0.350	ppbv		94
47) 1,1,2-Trichloroethane	9.49	97	51558	0.470	ppbv	#	92
48) Dibromochloromethane	10.32	129	65135	0.387	ppbv		95
49) Bromoform	13.06	173	33043	0.229	ppbv	#	57
50) 4-Methyl-2-Pentanone	8.75	43	115521	0.418	ppbv		93
51) 2-Hexanone	10.16	43	56207	0.261	ppbv	#	83
52) Tetrachloroethene	11.24	164	38170	0.414	ppbv		86
53) Toluene	9.82	91	103683	0.378	ppbv		97
54) 1,2-Dibromoethane	10.63	107	73005	0.454	ppbv		82
56) 1,1,1,2-Tetrachloroethane	12.14	131	59639	0.459	ppbv	#	29
57) Chlorobenzene	12.15	112	36585	0.160	ppbv	#	76
58) Ethyl Benzene	12.73	91	133865	0.378	ppbv		91
59) m/p-Xylene	13.01	91	69130	0.221	ppbv	#	31
60) o-Xylene	13.72	91	142391	0.462	ppbv		94
61) Styrene	13.55	104	30672	0.158	ppbv	#	27
62) Isopropylbenzene	14.69	105	211129	0.459	ppbv		94
63) 1,1,2,2-Tetrachloroethane	13.70	83	67940	0.279	ppbv	#	25
64) n-propylbenzene	15.59	120	40036	0.339	ppbv	#	16
65) tert-Butylbenzene	16.78	119	167175	0.418	ppbv		92
66) Benzyl Chloride	17.03	91	23290	0.176	ppbv	#	66
67) sec-Butylbenzene	17.32	105	154186	0.271	ppbv	#	78
69) p-Isopropyltoluene	17.68	119	74574	0.162	ppbv	#	18
70) n-Butylbenzene	18.59	91	216349	0.442	ppbv		94
71) 2-Chlorotoluene	15.48	91	87578	0.252	ppbv	#	45
72) 4-Ethyltoluene	15.87	105	139481	0.405	ppbv	#	95
73) 1,3,5-Trimethylbenzene	16.03	105	137491	0.412	ppbv		97
74) 1,2,4-Trimethylbenzene	16.79	105	84642	0.232	ppbv	#	83
75) 1,3-Dichlorobenzene	17.02	146	45511	0.212	ppbv	#	23
76) 1,4-Dichlorobenzene	17.17	146	99079	0.486	ppbv		97
77) 1,2-Dichlorobenzene	17.85	146	93053	0.462	ppbv		93
78) Hexachloro-1,3-Butadiene	23.42	225	79149	0.459	ppbv	#	53
79) Naphthalene	22.26	128	16247	0.058	ppbv	#	84
80) Naphthalene,2-methyl-	25.01	142	31759	0.448	ppbv		98
81) 1,2,4-Trichlorobenzene	21.98	180	52358	0.305	ppbv	#	43

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

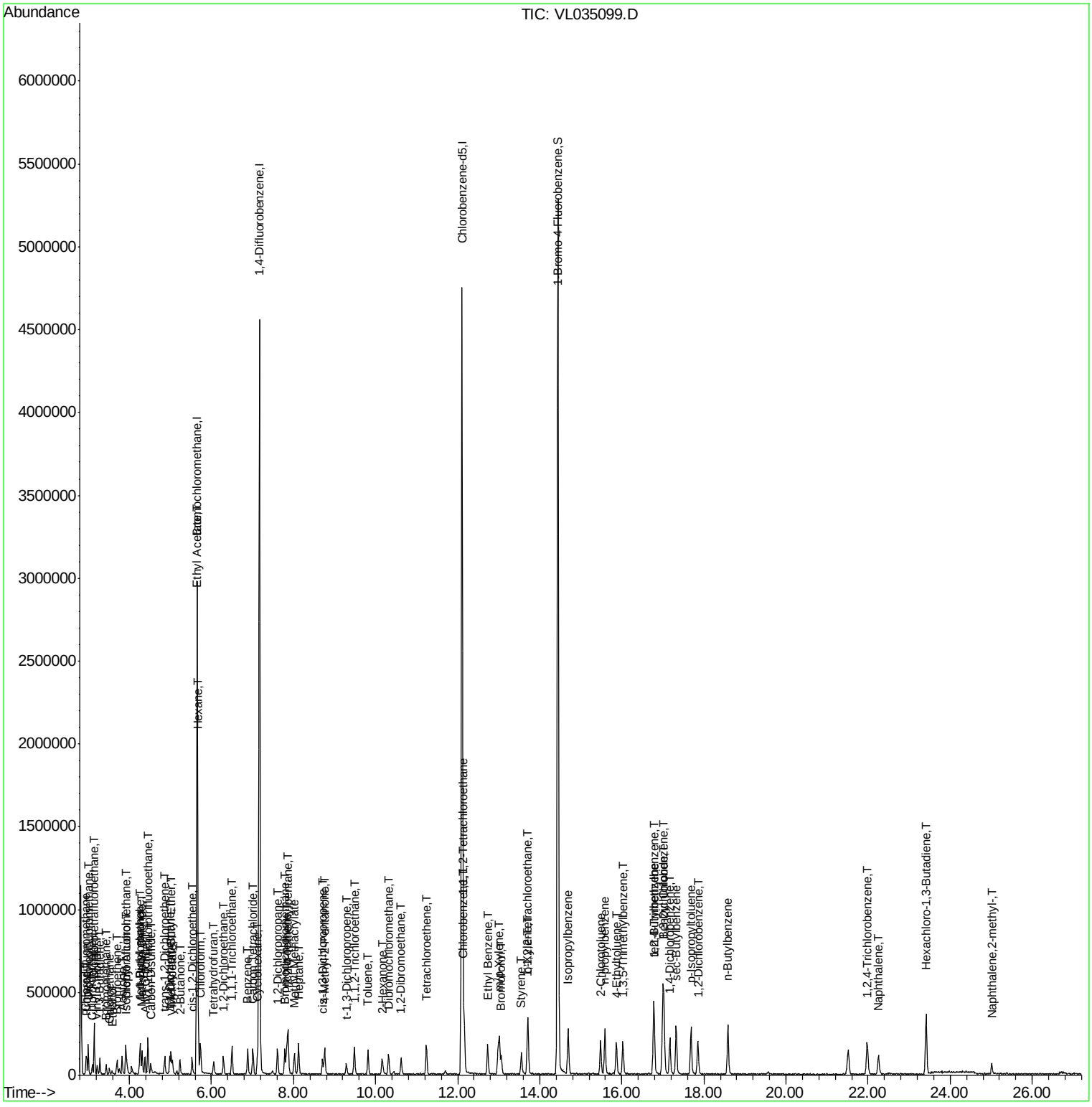
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061920\

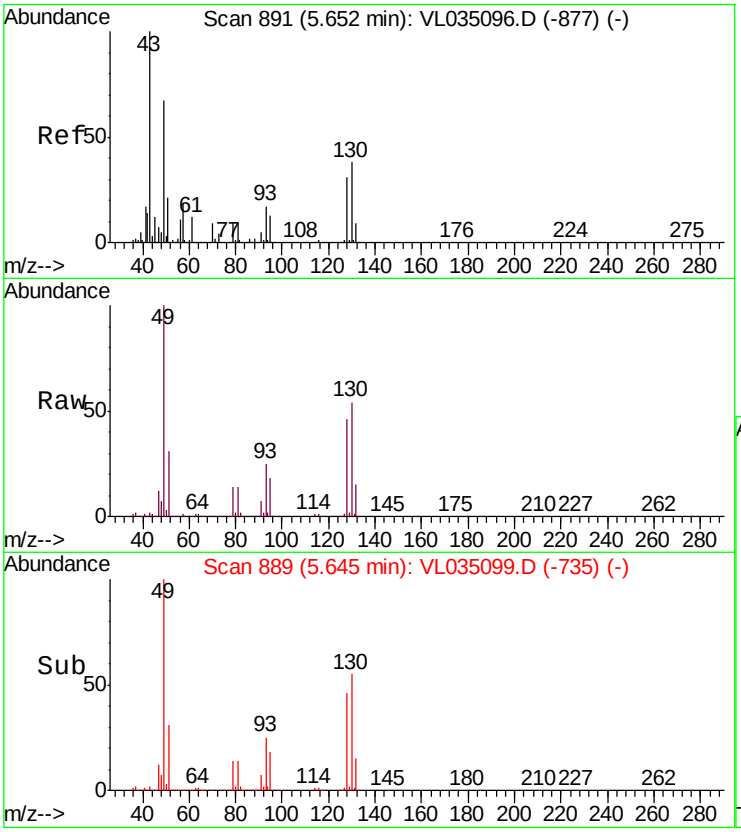
Quantitation Report (Not Reviewed)

Data File : VL035099.D
Acq On : 19 Jun 2020 17:50
Operator : SY/AP
Sample : VSTDICCC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Quant Time: Jun 20 01:19:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun 20 01:15:38 2020
QLast Update : Sat Jun 20 01:15:38 2020
Response via : Initial Calibration



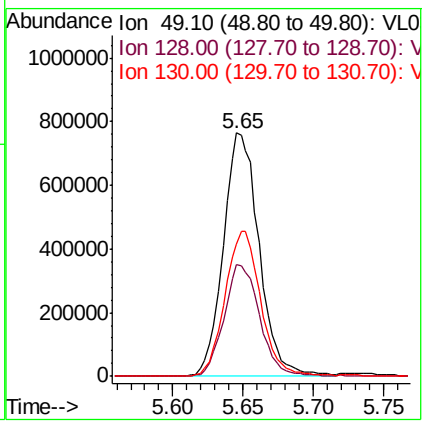


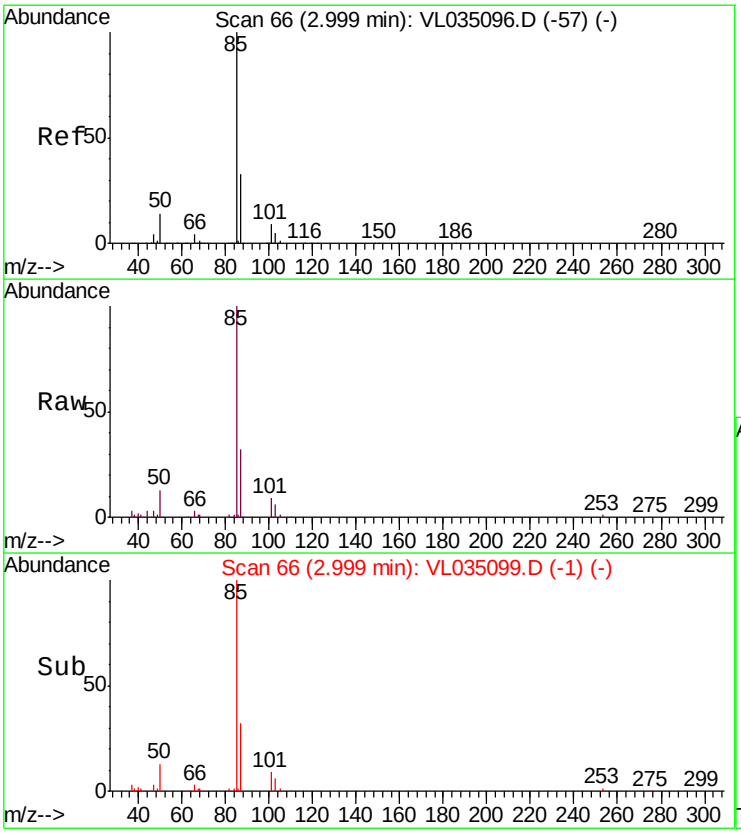
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 49 Resp: 1351253

Ion	Ratio	Lower	Upper
49	100		
128	46.1	22.9	68.5
130	60.5	29.0	87.0

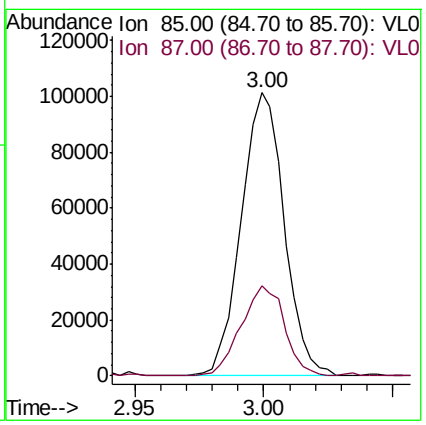


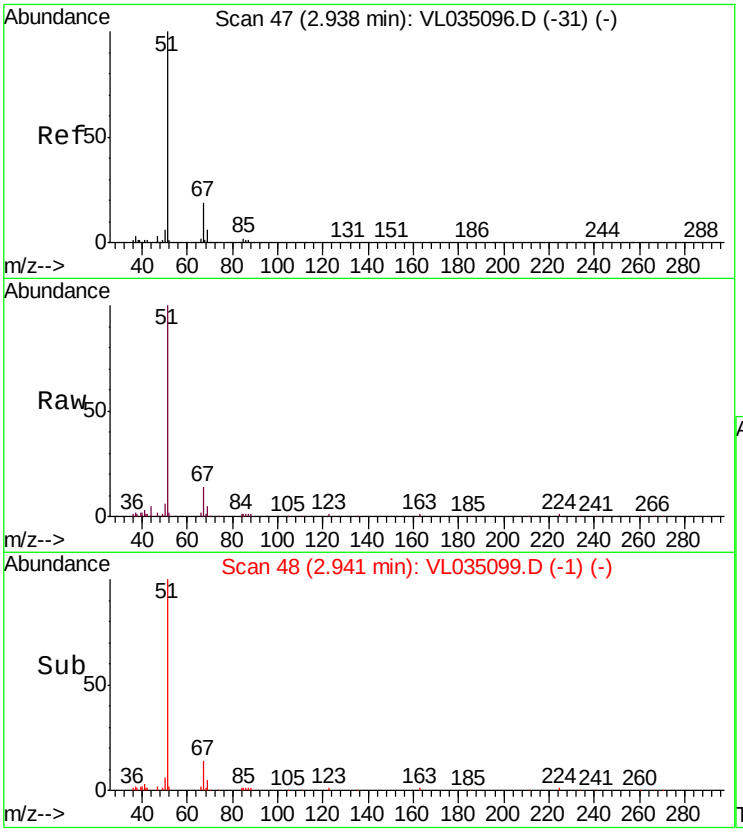


#2
Dichlorodifluoromethane
Concen: 0.605 ppbv
RT: 3.00 min Scan# 66
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 85 Resp: 117524

Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.1	39.1



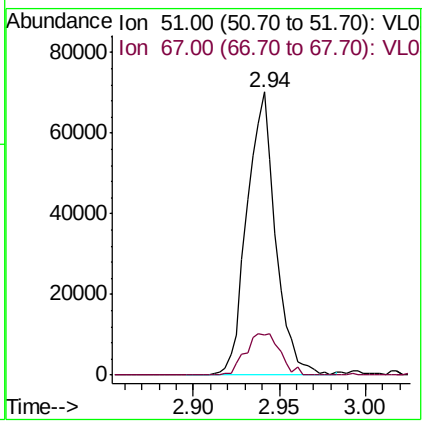


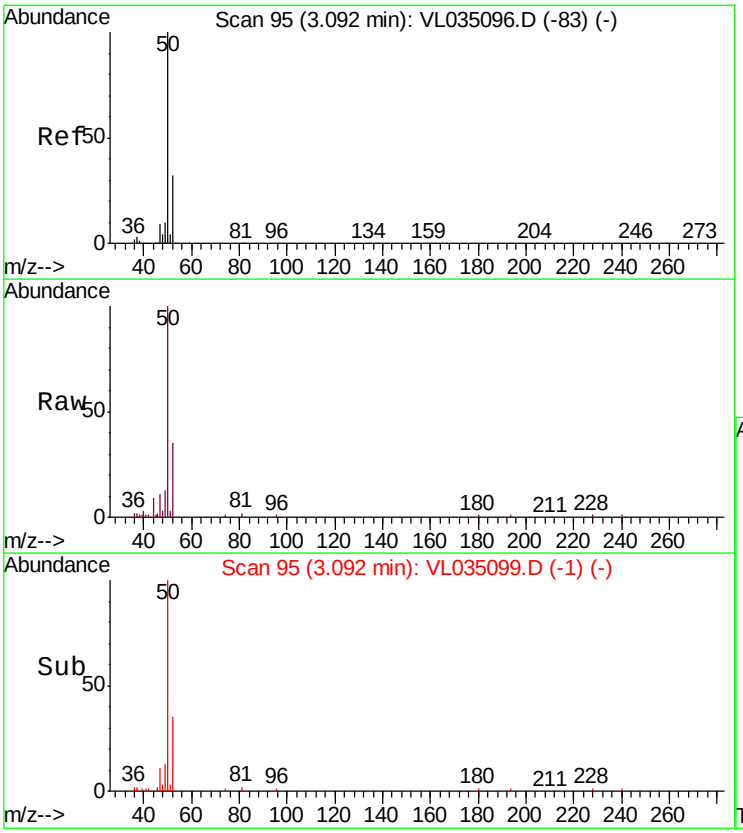
#3
Chlorodifluoromethane
Concen: 0.524 ppbv
RT: 2.94 min Scan# 48
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 51 Resp: 81025

Ion	Ratio	Lower	Upper
51	100		
67	17.6	15.2	22.8

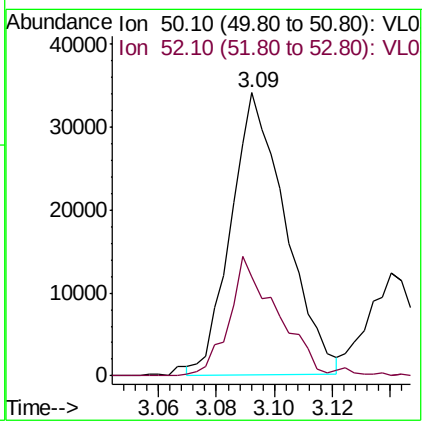


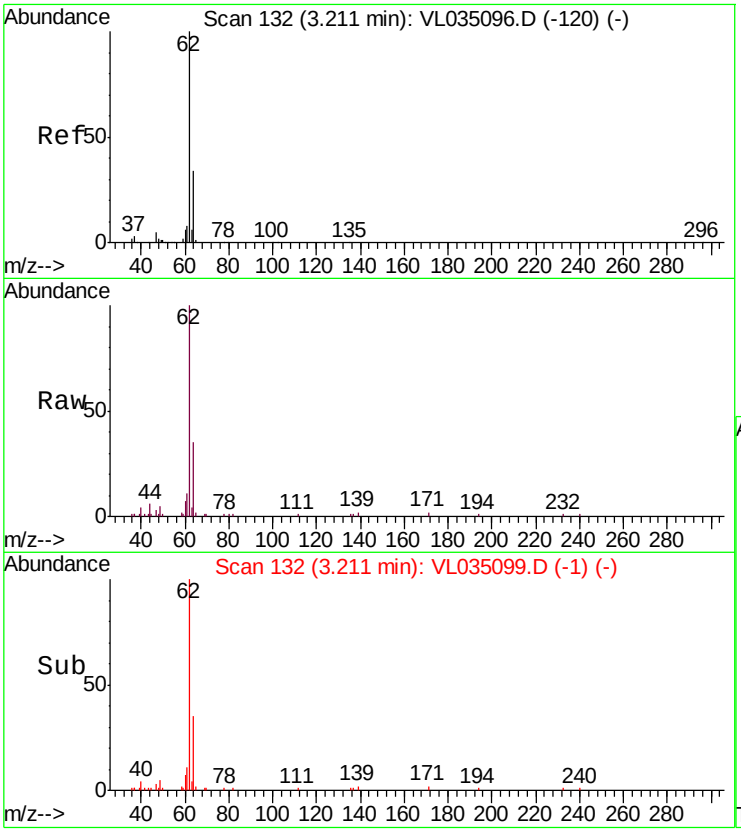


#4
Chloromethane
Concen: 0.502 ppbv
RT: 3.09 min Scan# 95
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 50 Resp: 44405

Ion	Ratio	Lower	Upper
50	100		
52	35.4	25.4	38.0



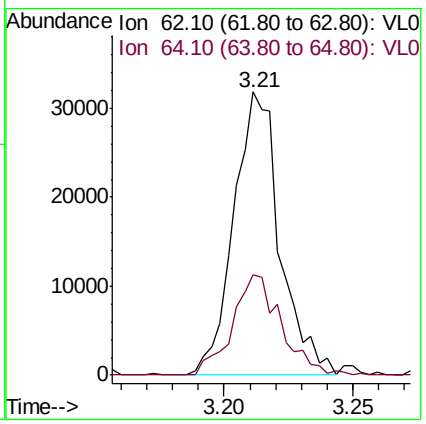


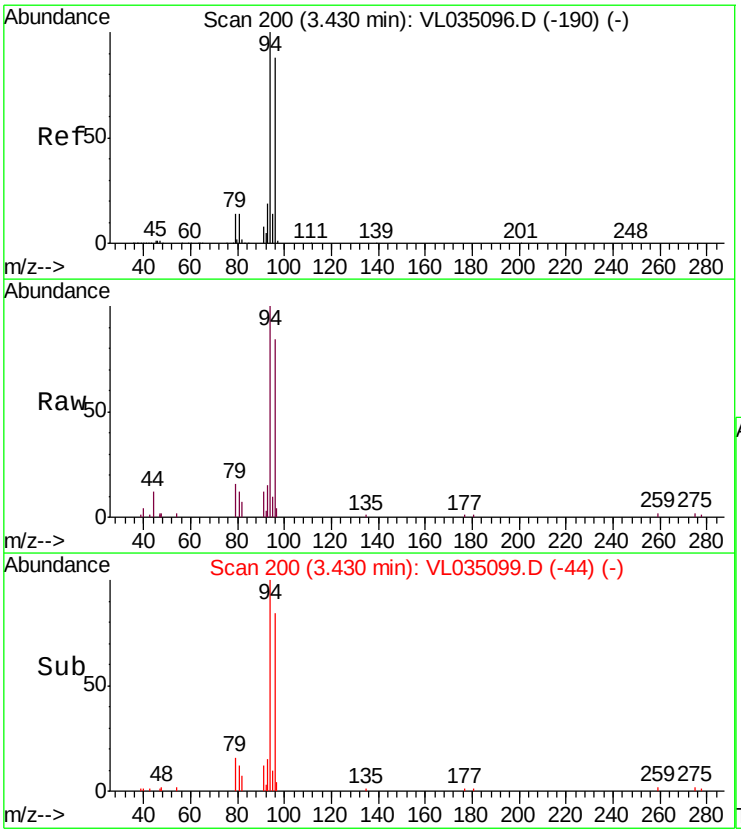
#5
Vinyl Chloride
Concen: 0.462 ppbv
RT: 3.21 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 62 Resp: 39870

Ion	Ratio	Lower	Upper
62	100		
64	35.5	27.0	40.4

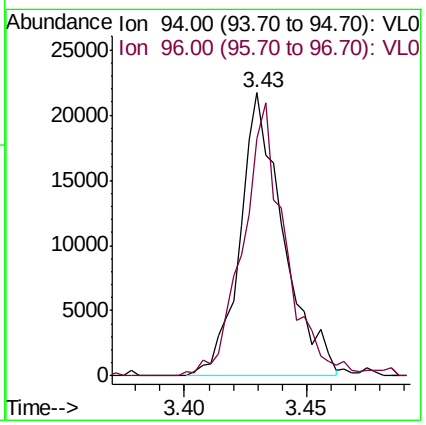


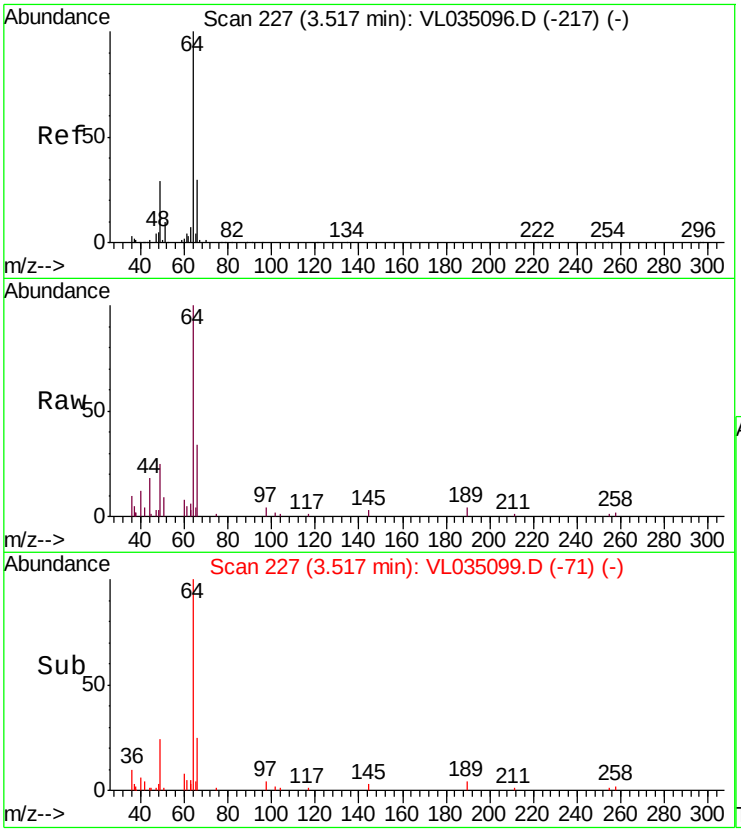


#6
Bromomethane
Concen: 0.518 ppbv
RT: 3.43 min Scan# 200
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 94 Resp: 26740

Ion	Ratio	Lower	Upper
94	100		
96	86.1	70.2	105.2



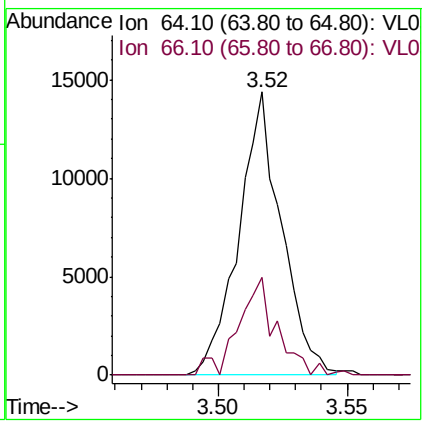


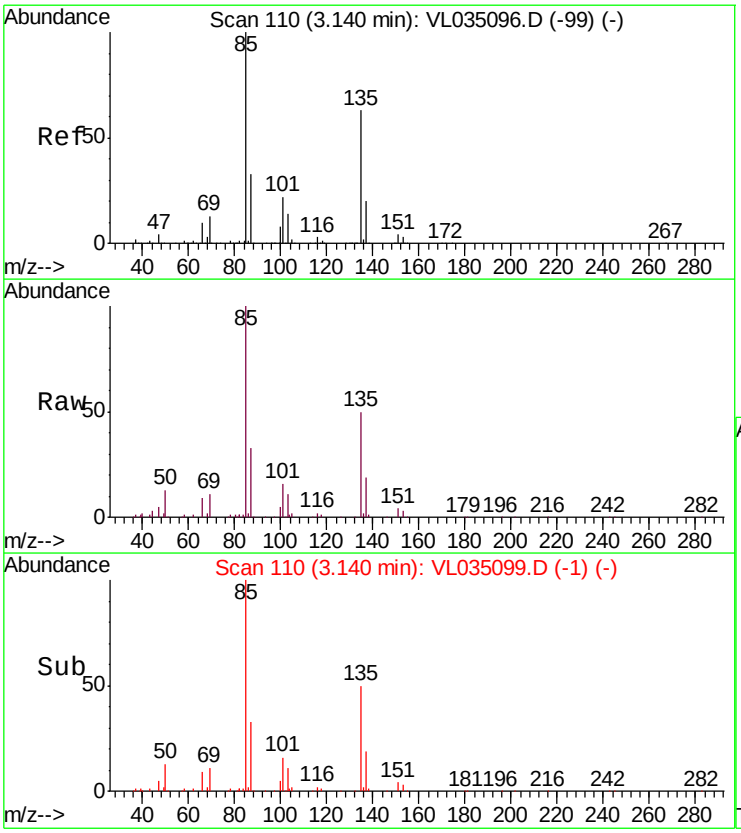
#7
Chloroethane
Concen: 0.540 ppbv
RT: 3.52 min Scan# 227
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 64 Resp: 16699

Ion	Ratio	Lower	Upper
64	100		
66	34.5	24.2	36.4

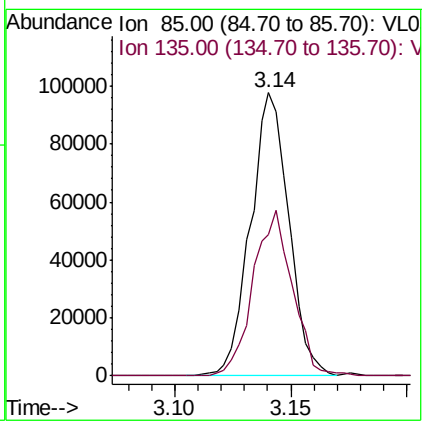


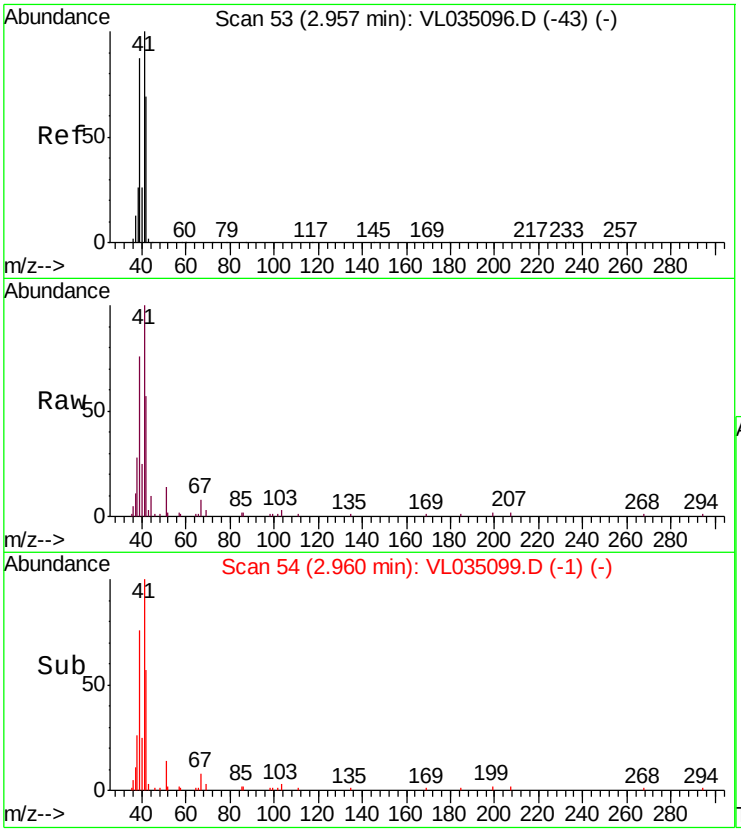


#8
Dichlorotetrafluoroethane
Concen: 0.564 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 85 Resp: 112491

Ion	Ratio	Lower	Upper
85	100		
135	59.9	51.0	76.6



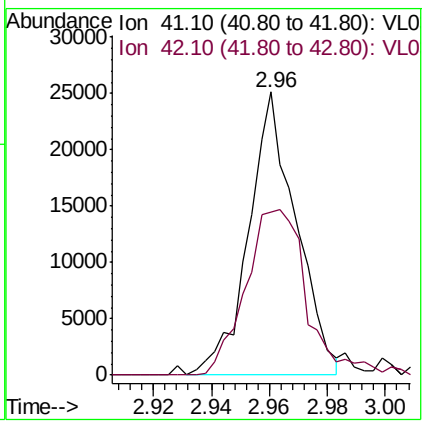


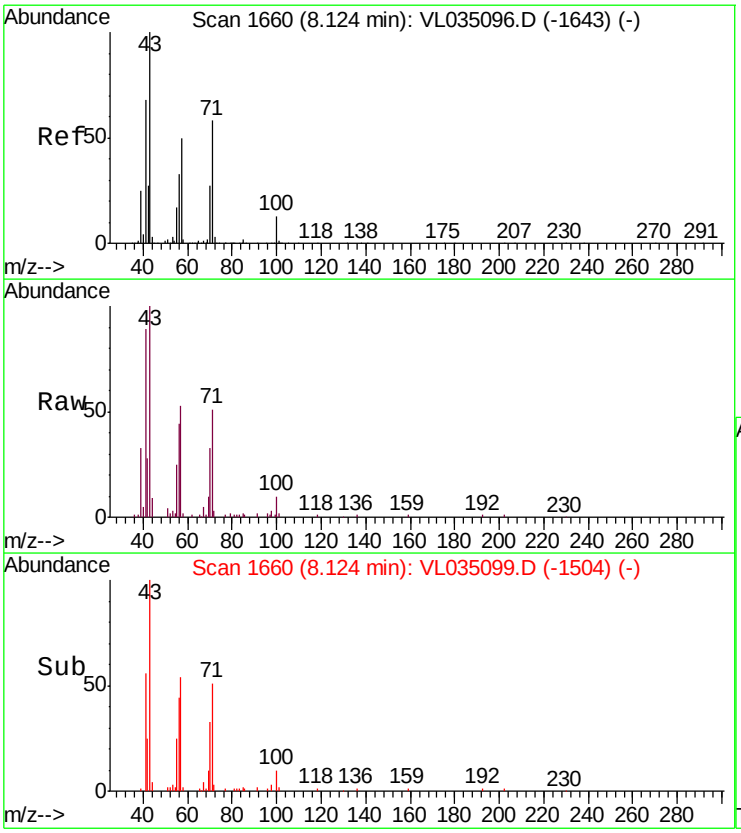
#9
Propene
Concen: 0.432 ppbv
RT: 2.96 min Scan# 54
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 41 Resp: 28645

Ion	Ratio	Lower	Upper
41	100		
42	75.6	55.8	83.6

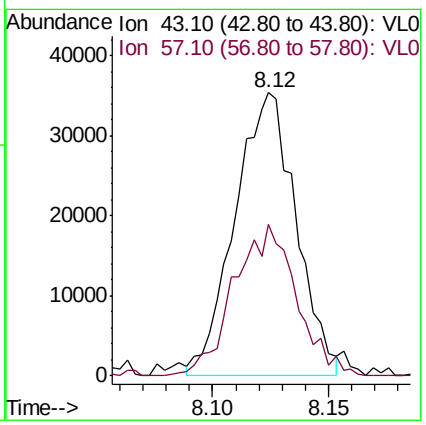


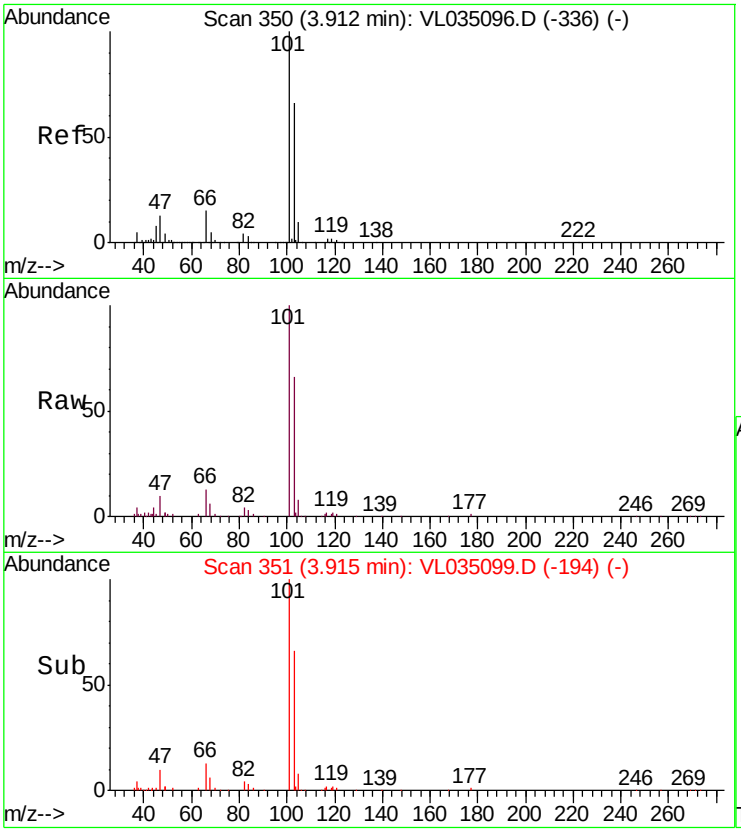


#10
Heptane
Concen: 0.391 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 43 Resp: 65022

Ion	Ratio	Lower	Upper
43	100		
57	54.2	41.9	62.9



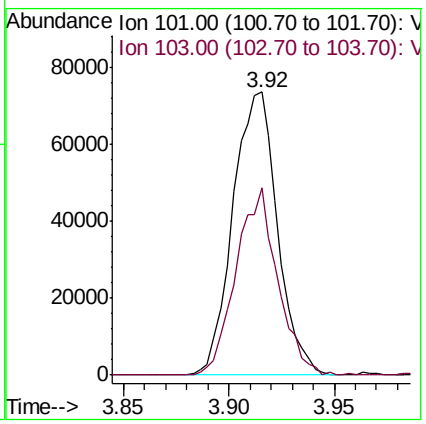


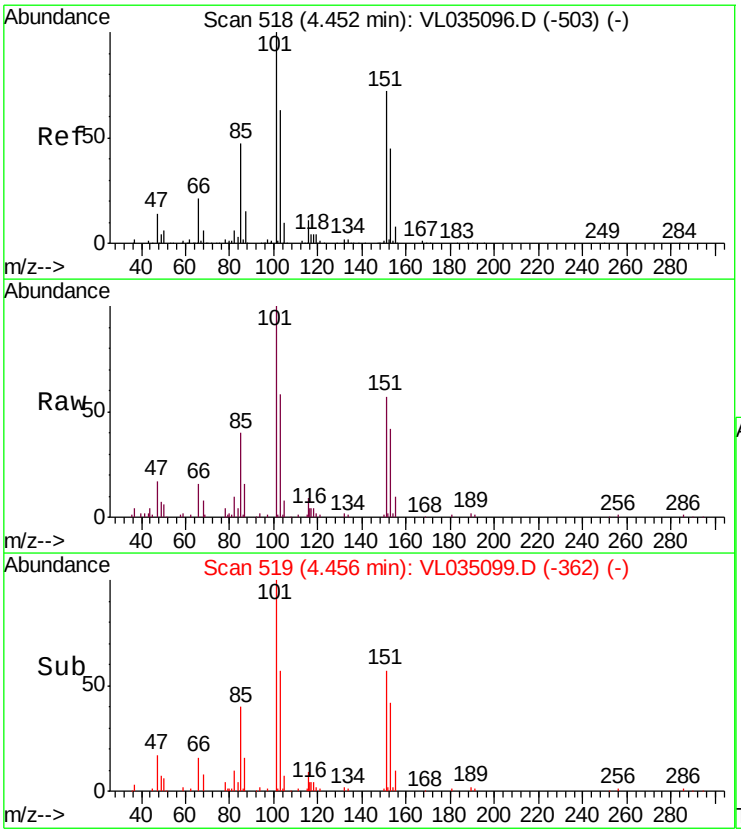
#11
Trichlorofluoromethane
Concen: 0.544 ppbv
RT: 3.92 min Scan# 351
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:101 Resp: 107582

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.6	79.0

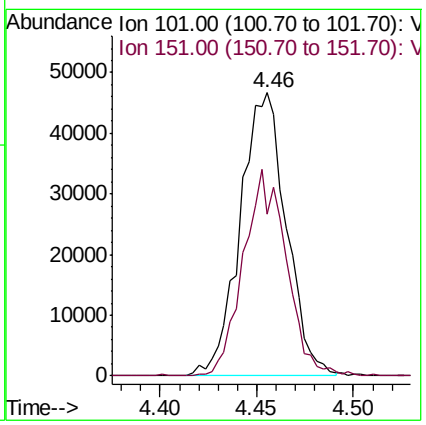


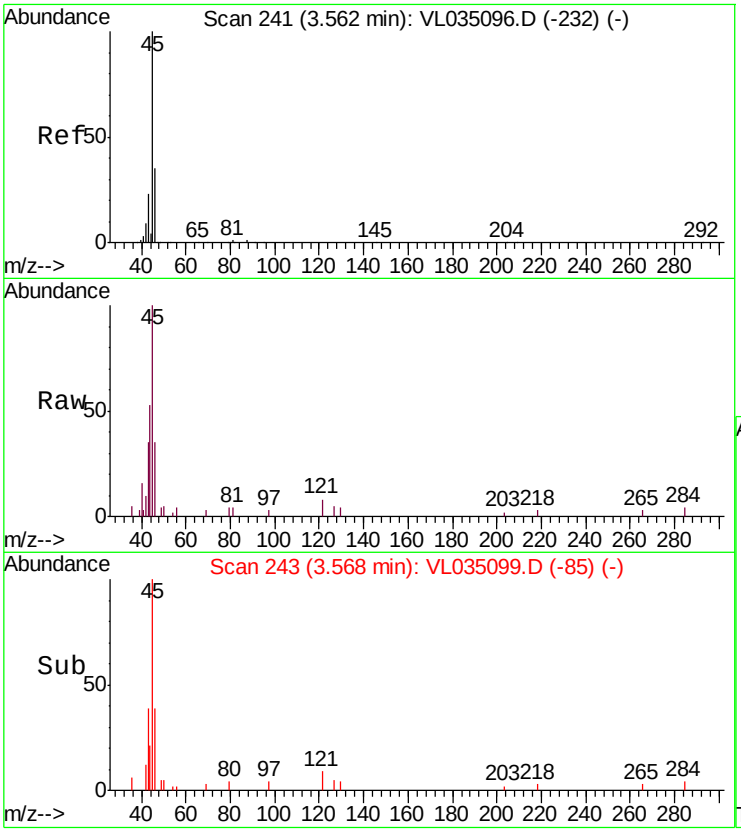


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.552 ppbv
RT: 4.46 min Scan# 519
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:101 Resp: 77527

Ion	Ratio	Lower	Upper
101	100		
151	67.8	56.6	85.0



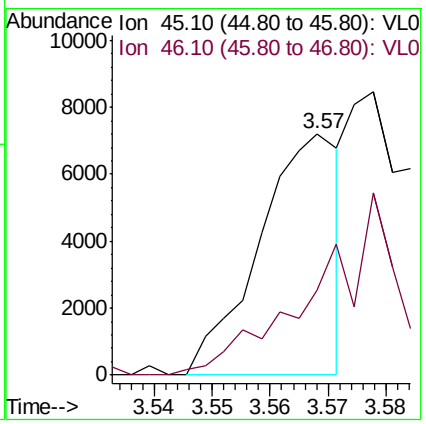


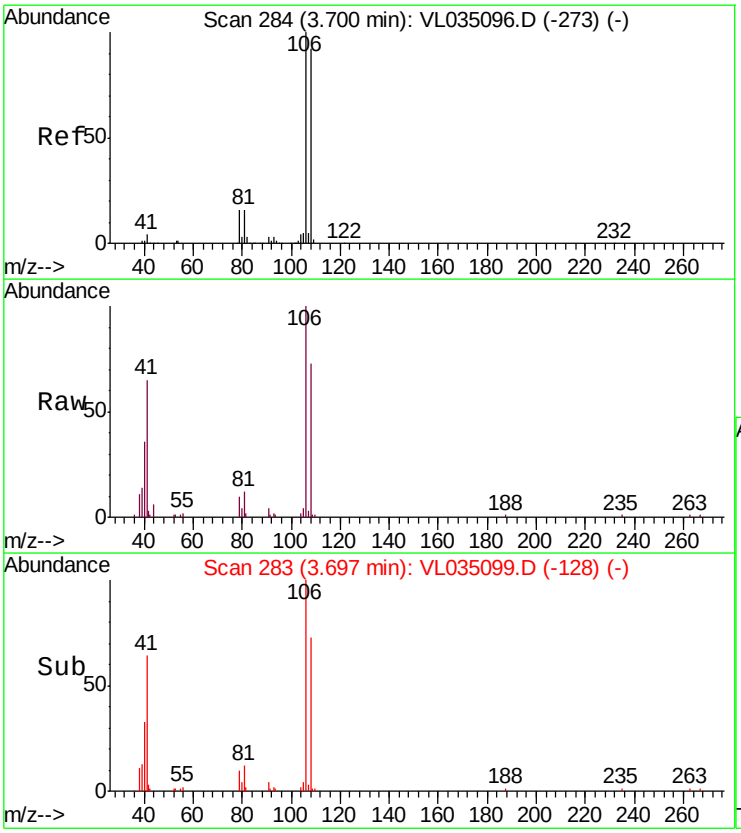
#13
Ethanol
Concen: 0.324 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 45 Resp: 6937

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.2	57.0#

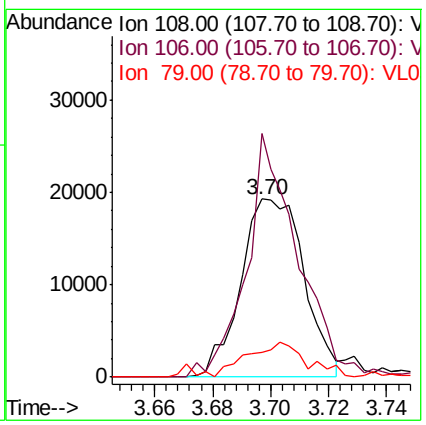


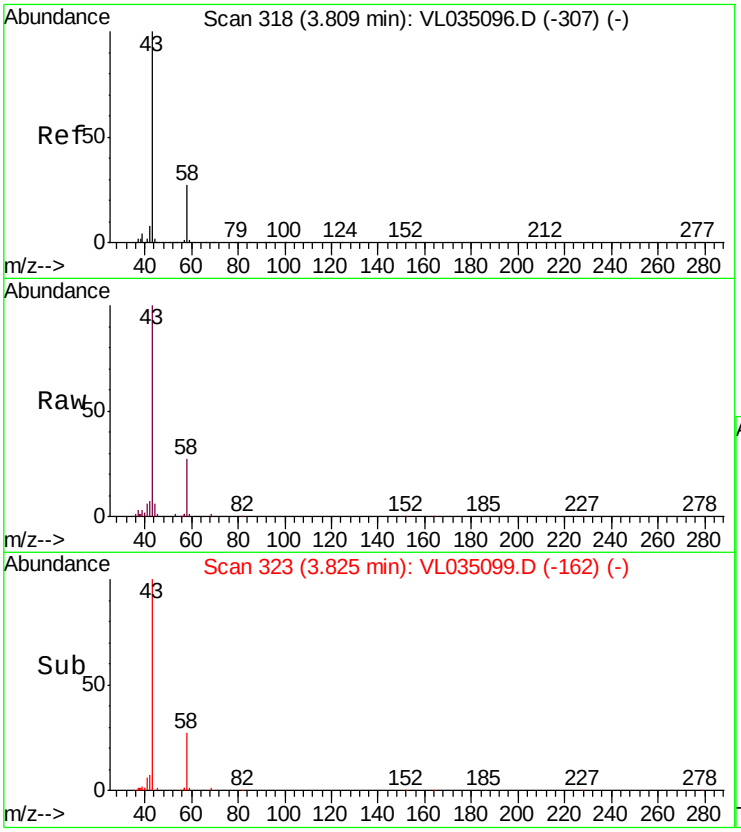


#14
Bromoethene
Concen: 0.502 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:108 Resp: 29214

Ion	Ratio	Lower	Upper
108	100		
106	111.9	84.4	126.6
79	21.1	14.2	21.2



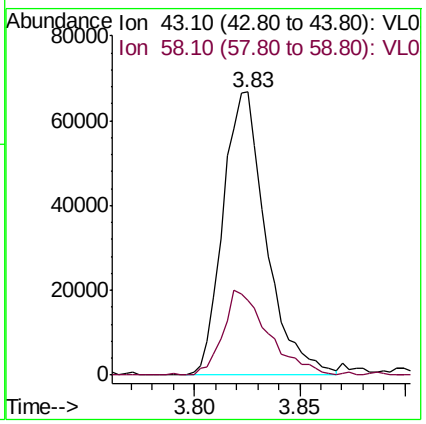


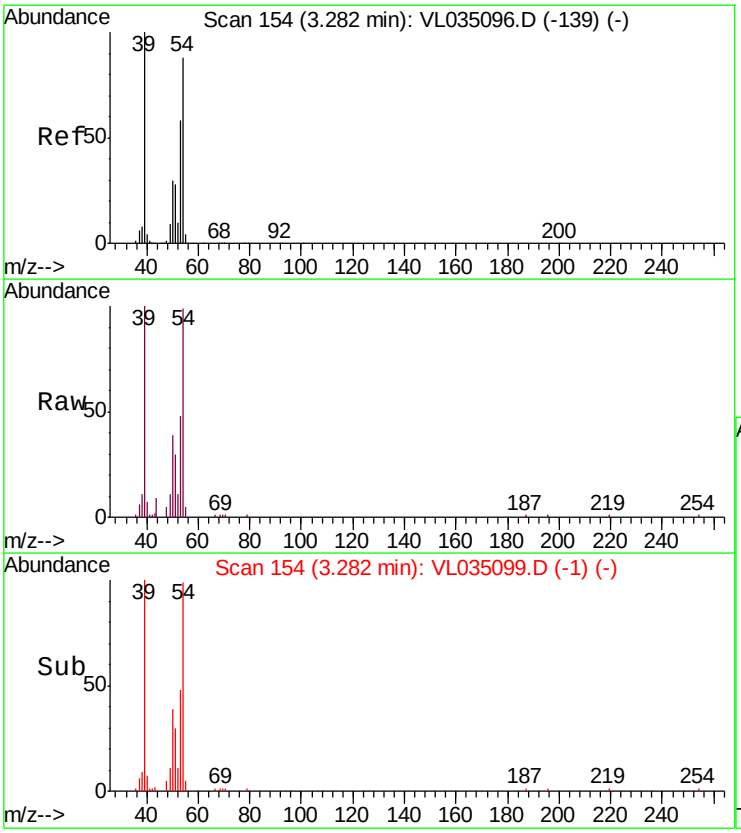
#15
Acetone
Concen: 0.533 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.02 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 43 Resp: 95088

Ion	Ratio	Lower	Upper
43	100		
58	31.9	21.8	32.6

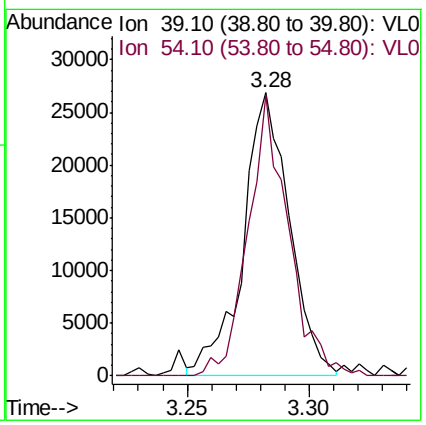


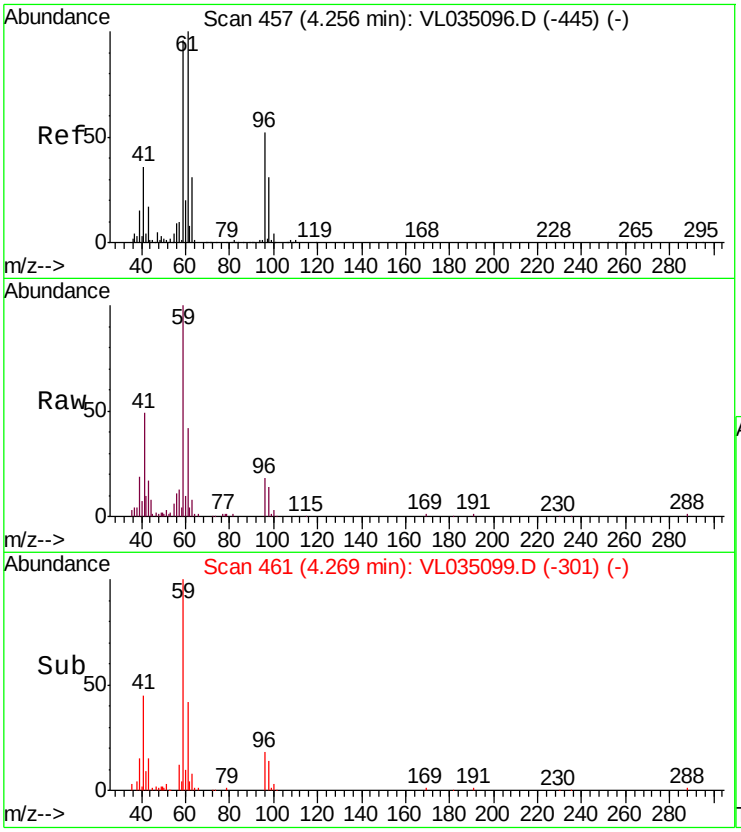


#16
1,3-Butadiene
Concen: 0.461 ppbv
RT: 3.28 min Scan# 154
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 39 Resp: 35394

Ion	Ratio	Lower	Upper
39	100		
54	85.9	67.0	100.4



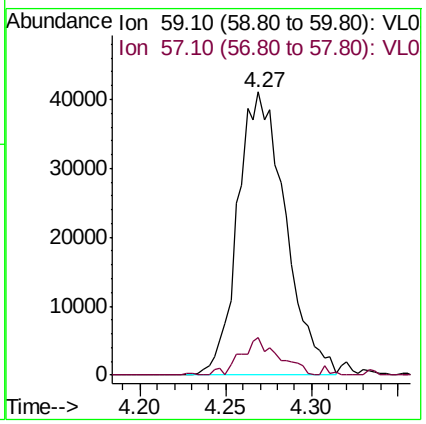


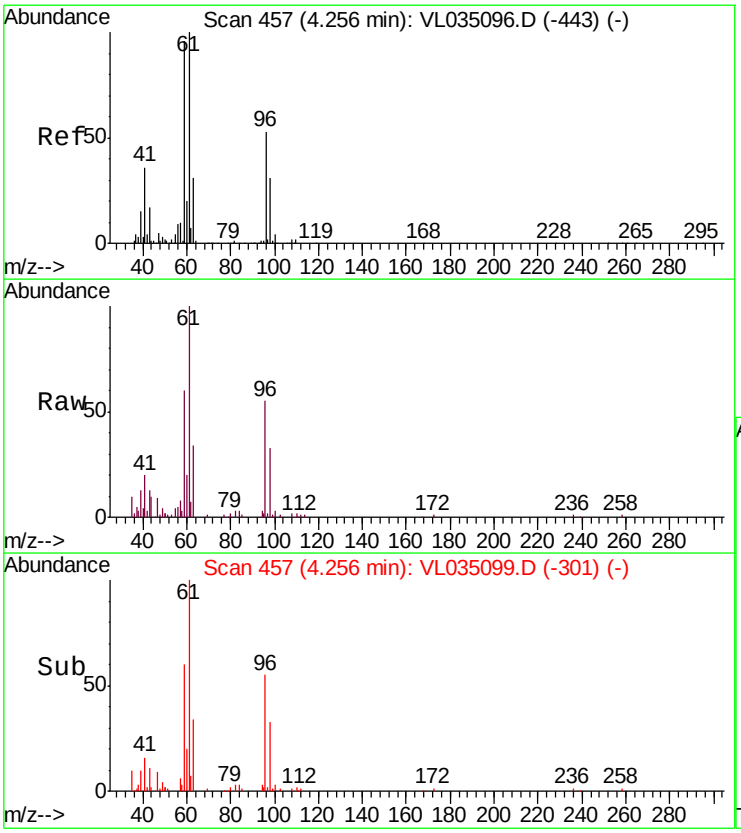
#17
tert-Butyl alcohol
Concen: 0.500 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 59 Resp: 79093

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

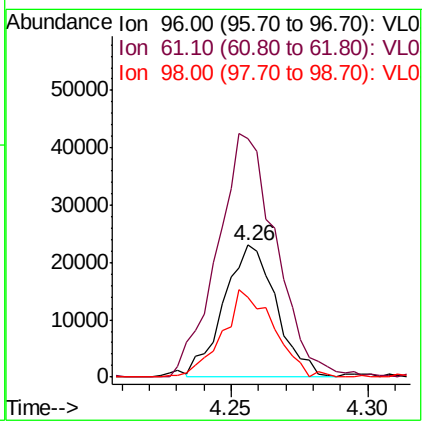


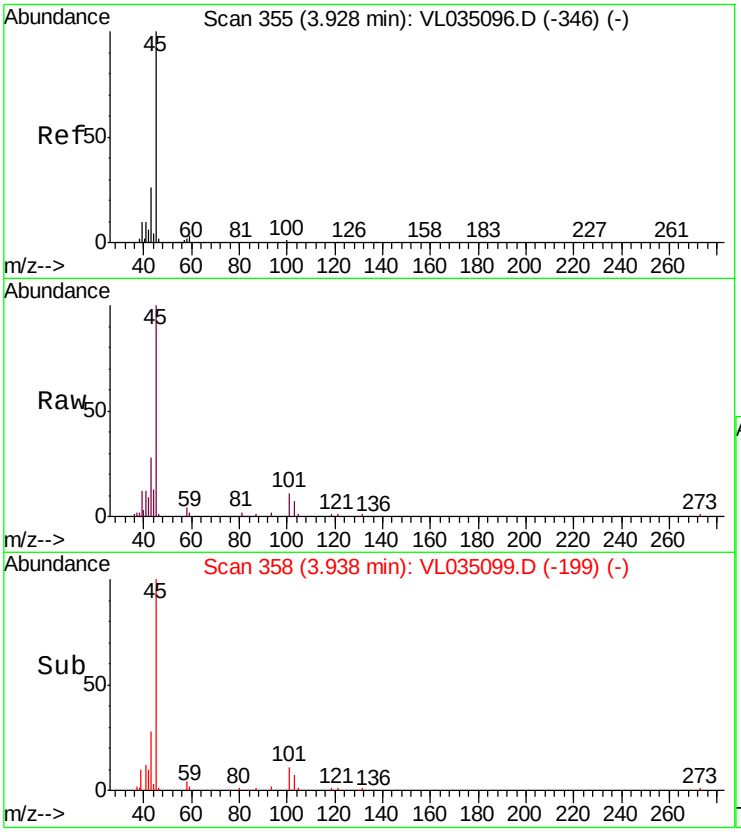


#18
1,1-Dichloroethene
Concen: 0.500 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 96 Resp: 30528

Ion	Ratio	Lower	Upper
96	100		
61	177.3	152.2	228.4
98	60.8	47.7	71.5



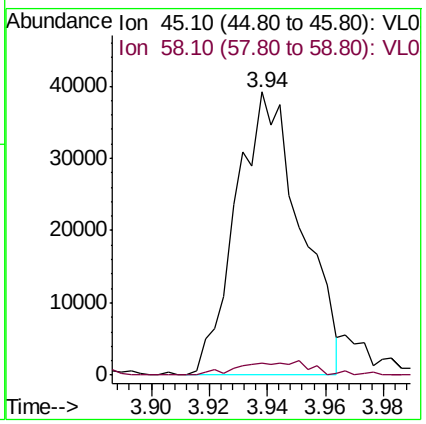


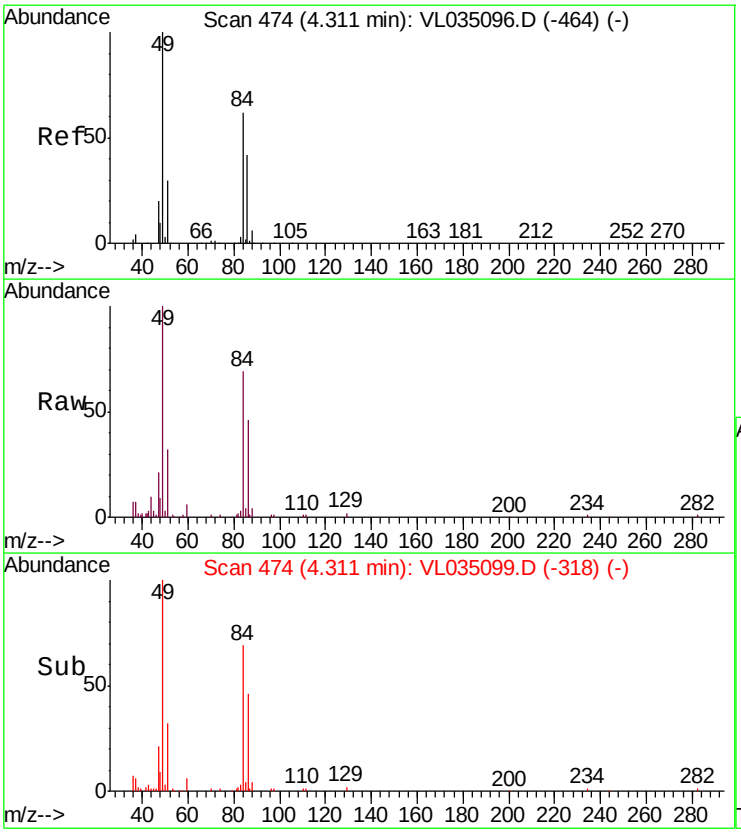
#19
Isopropyl Alcohol
Concen: 0.517 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 45 Resp: 60736

Ion	Ratio	Lower	Upper
45	100		
58	5.5	1.8	2.8#

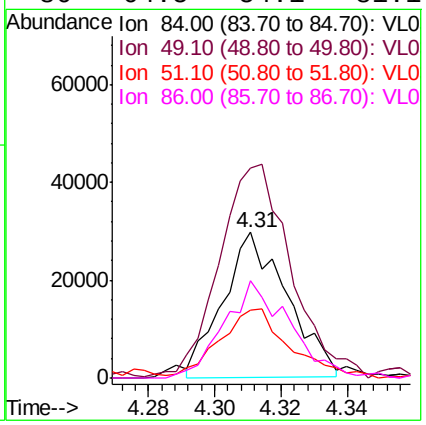


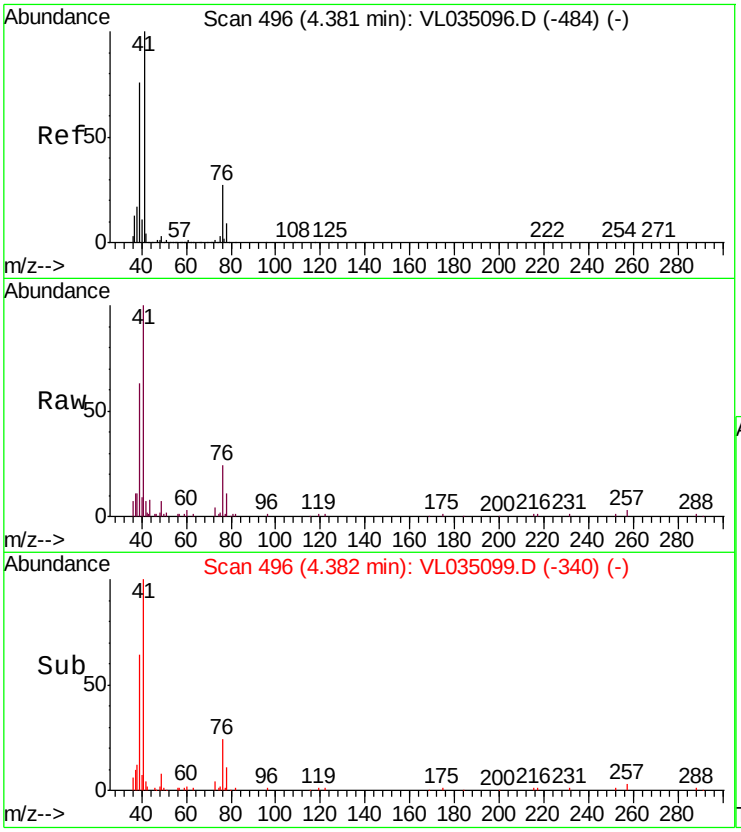


#20
Methylene Chloride
Concen: 0.675 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 84 Resp: 39797

Ion	Ratio	Lower	Upper
84	100		
49	136.9	128.8	193.2
51	42.2	38.7	58.1
86	64.5	54.1	81.1



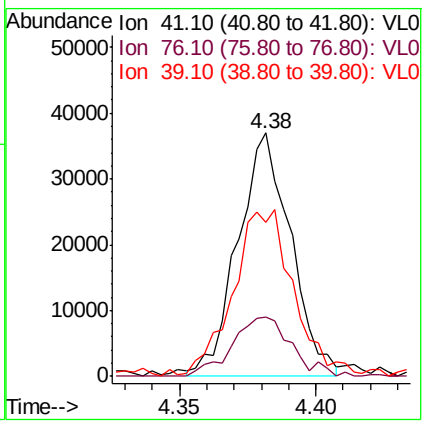


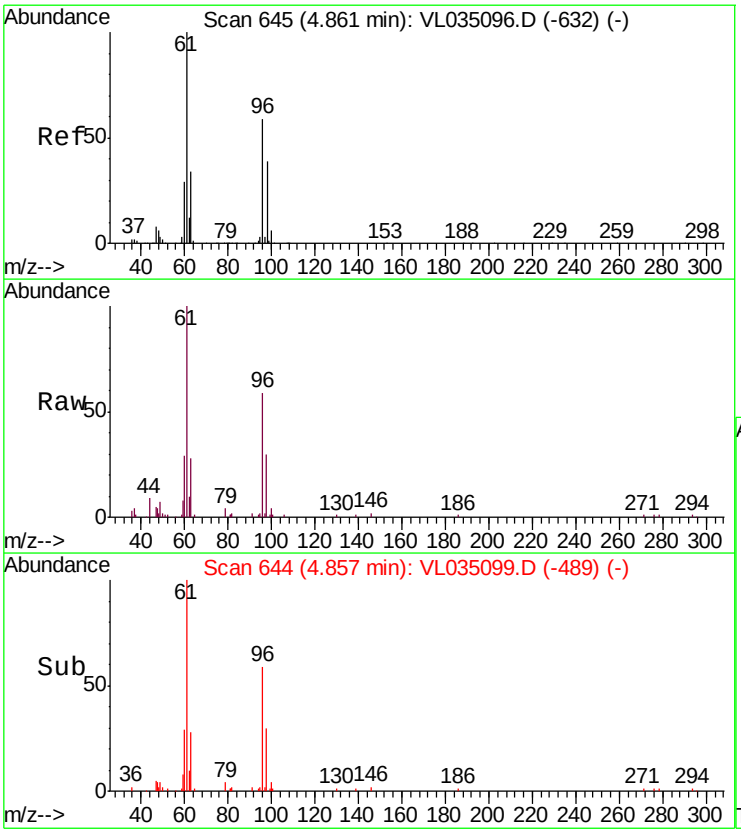
#21
Allyl Chloride
Concen: 0.494 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 41 Resp: 49658

Ion	Ratio	Lower	Upper
41	100		
76	27.4	22.6	34.0
39	81.1	61.6	92.4

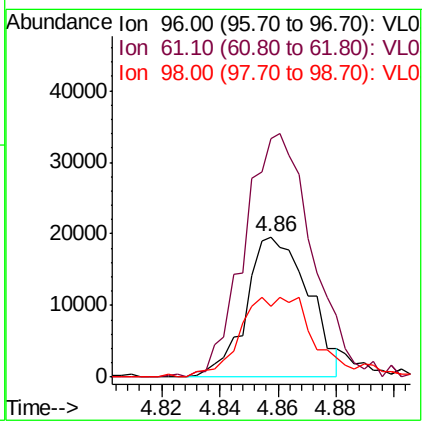


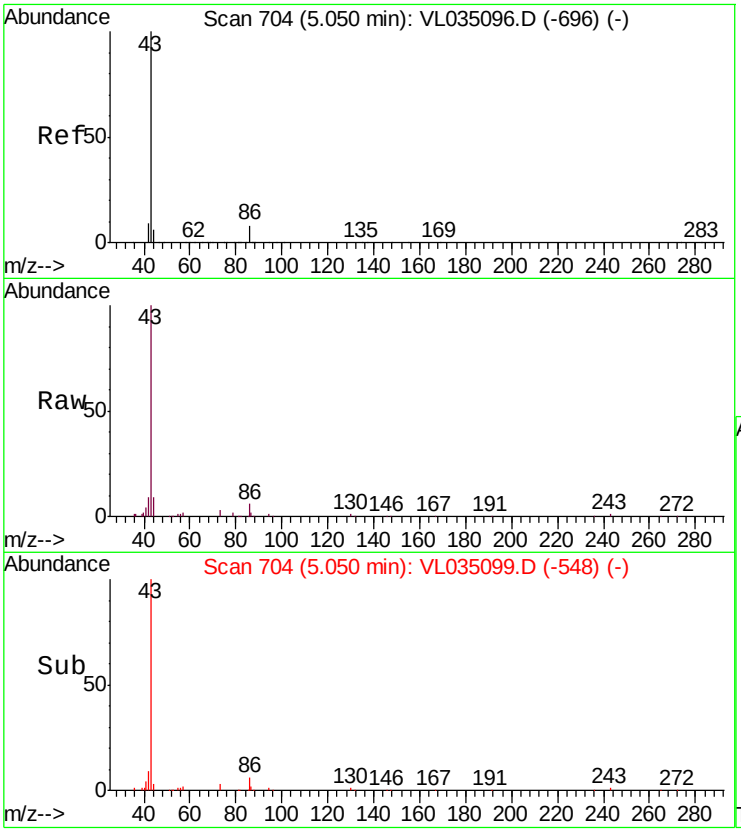


#22
trans-1,2-Dichloroethene
Concen: 0.489 ppbv
RT: 4.86 min Scan# 644
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 96 Resp: 29210

Ion	Ratio	Lower	Upper
96	100		
61	169.5	134.5	201.7
98	50.8	52.6	79.0#



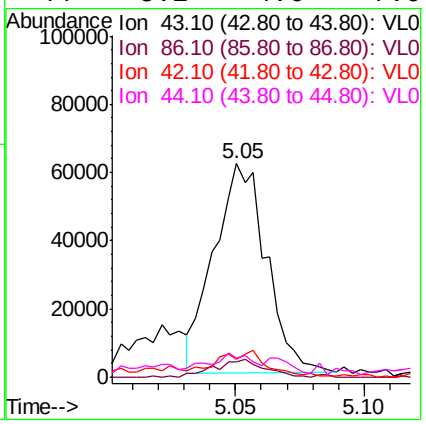


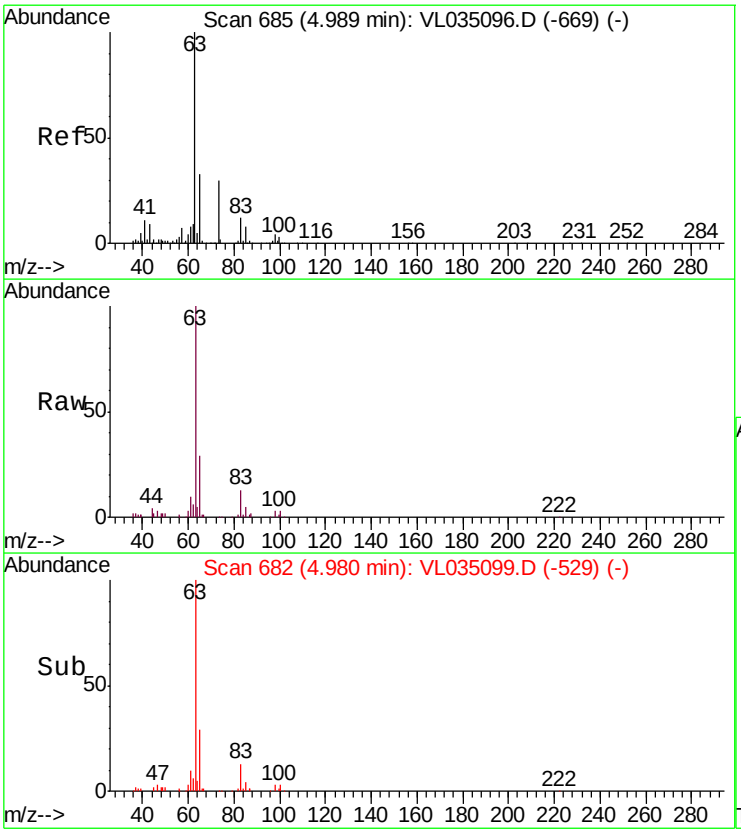
#23
Vinyl Acetate
Concen: 0.387 ppbv
RT: 5.05 min Scan# 704
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 43 Resp: 86534

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.2	9.2
42	8.0	8.1	12.1#
44	5.2	4.6	7.0

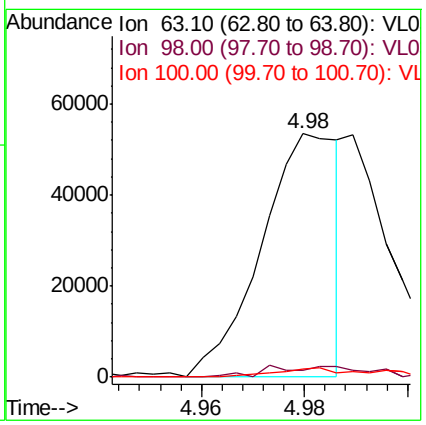


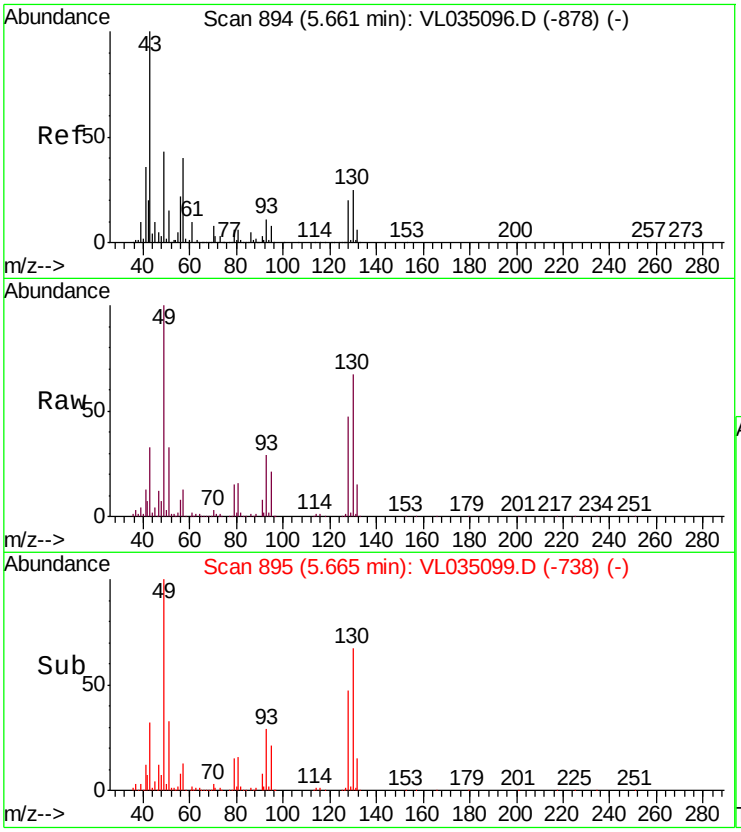


#24
1,1-Dichloroethane
Concen: 0.318 ppbv
RT: 4.98 min Scan# 682
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 63 Resp: 55509

Ion	Ratio	Lower	Upper
63	100		
98	3.0	2.3	6.9
100	3.1	1.4	4.0



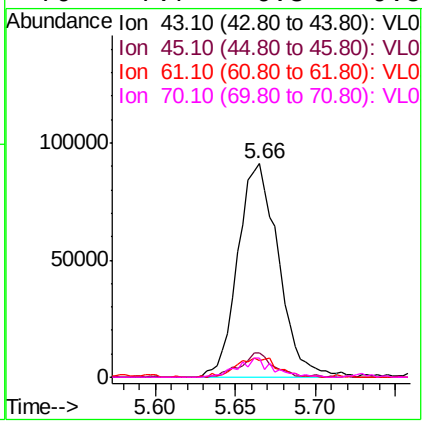


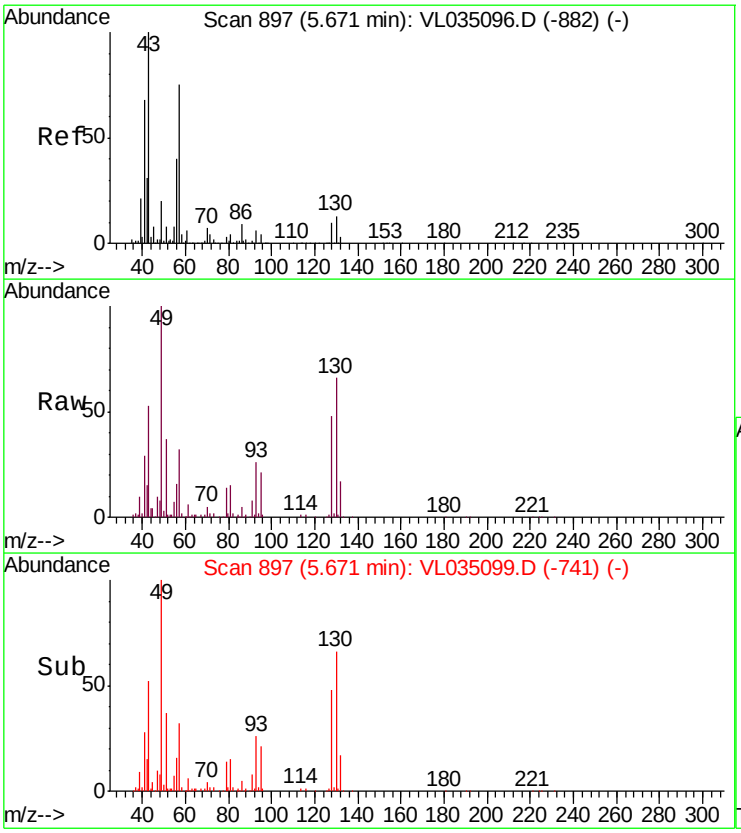
#25
Ethyl Acetate
Concen: 0.526 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 43 Resp: 157573

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.4	12.6
61	9.7	8.0	12.0
70	7.7	6.3	9.5

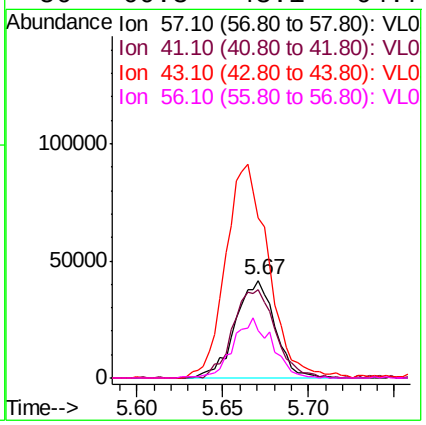


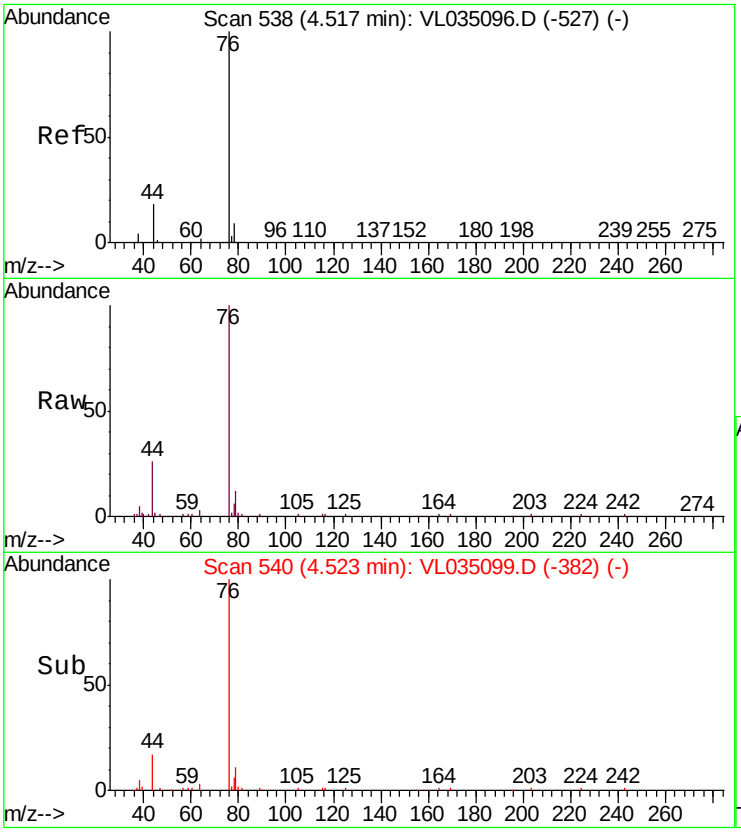


#26
Hexane
Concen: 0.513 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 57 Resp: 66573

Ion	Ratio	Lower	Upper
57	100		
41	98.4	72.9	109.3
43	238.8	181.3	271.9
56	60.3	43.1	64.7



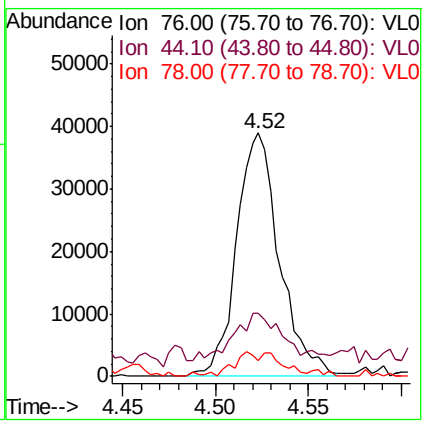


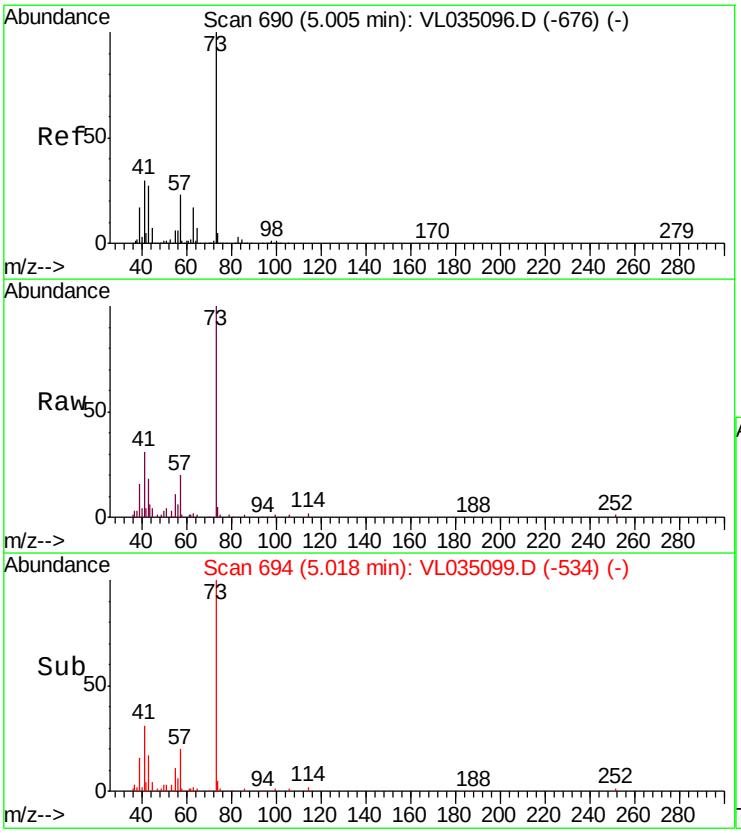
#27
Carbon Disulfide
Concen: 0.413 ppbv
RT: 4.52 min Scan# 540
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 76 Resp: 62570

Ion	Ratio	Lower	Upper
76	100		
44	26.9	15.8	23.8#
78	12.3	7.6	11.4#

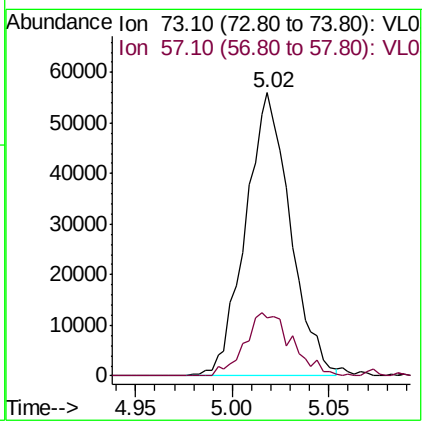


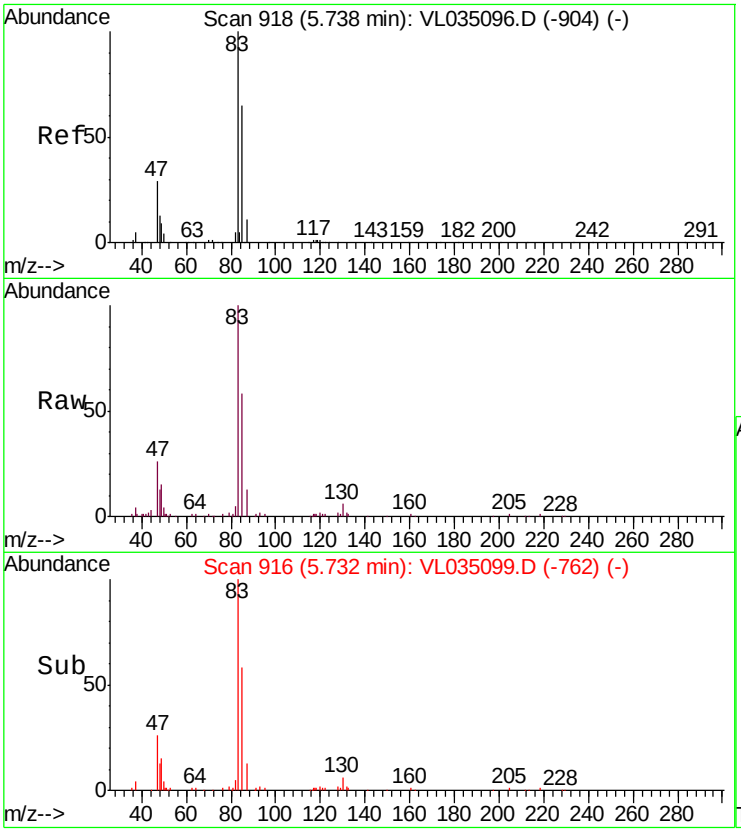


#28
Methyl tert-Butyl Ether
Concen: 0.456 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 73 Resp: 89927

Ion	Ratio	Lower	Upper
73	100		
57	24.4	18.5	27.7



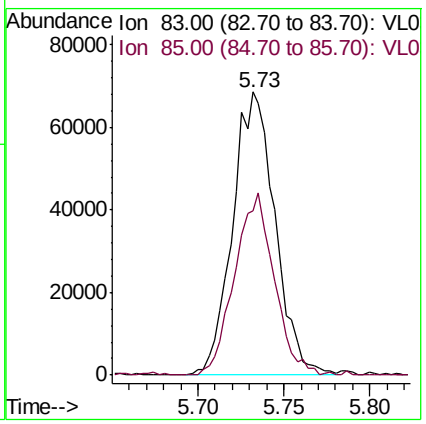


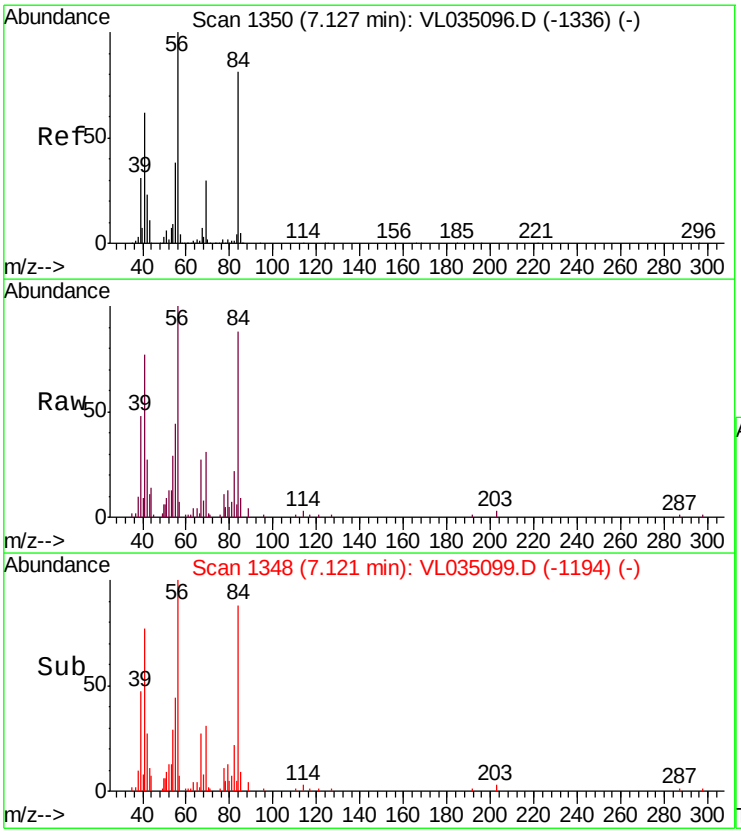
#29
Chloroform
Concen: 0.549 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 83 Resp: 117114

Ion	Ratio	Lower	Upper
83	100		
85	58.3	52.1	78.1

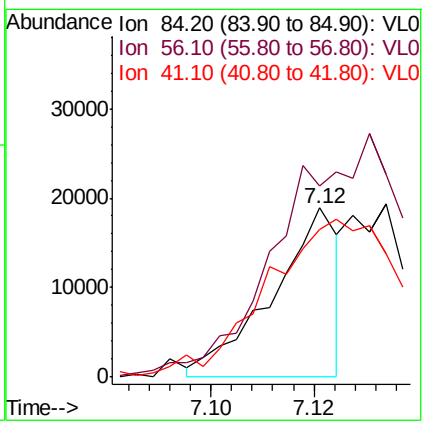


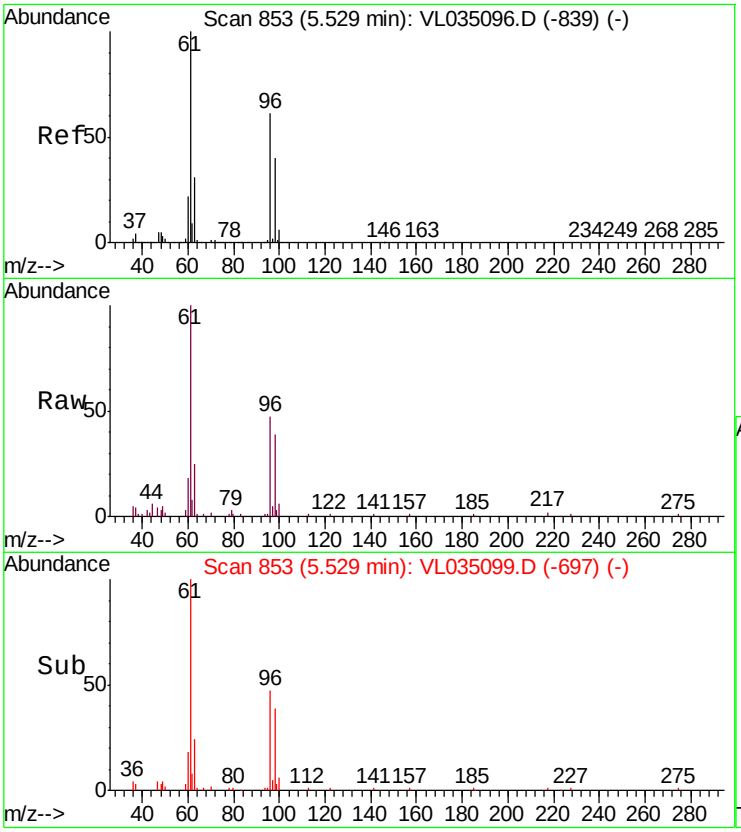


#30
Cyclohexane
Concen: 0.165 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 84 Resp: 16613

Ion	Ratio	Lower	Upper
84	100		
56	0.0	108.0	162.0#
41	218.9	65.6	98.4#



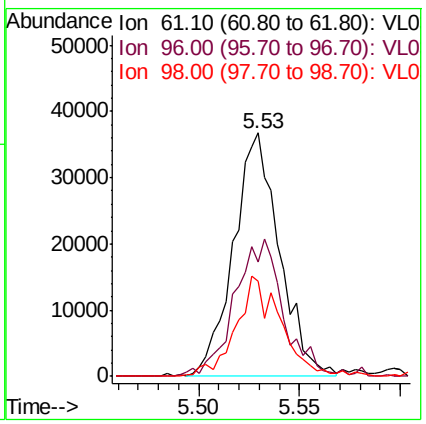


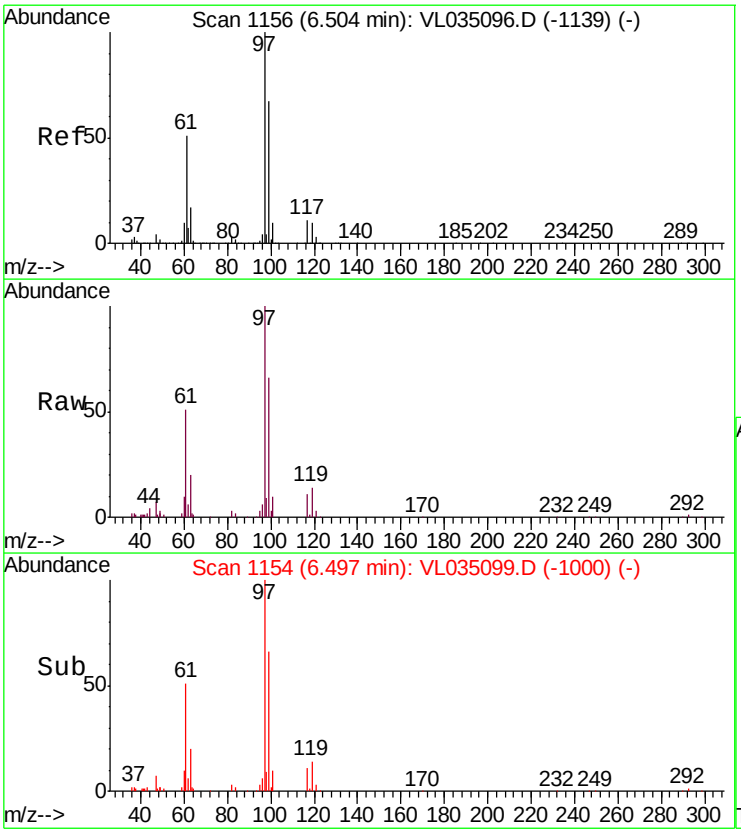
#31
cis-1,2-Dichloroethene
Concen: 0.460 ppbv
RT: 5.53 min Scan# 853
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 61 Resp: 58482

Ion	Ratio	Lower	Upper
61	100		
96	45.7	48.8	73.2#
98	38.5	31.9	47.9

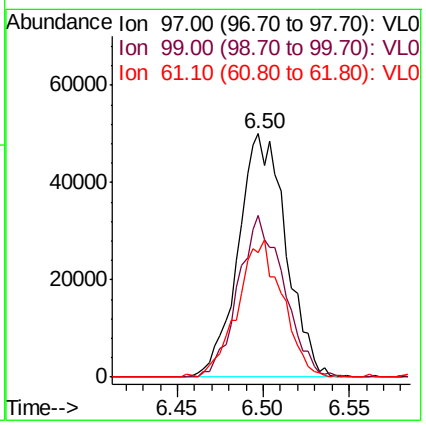


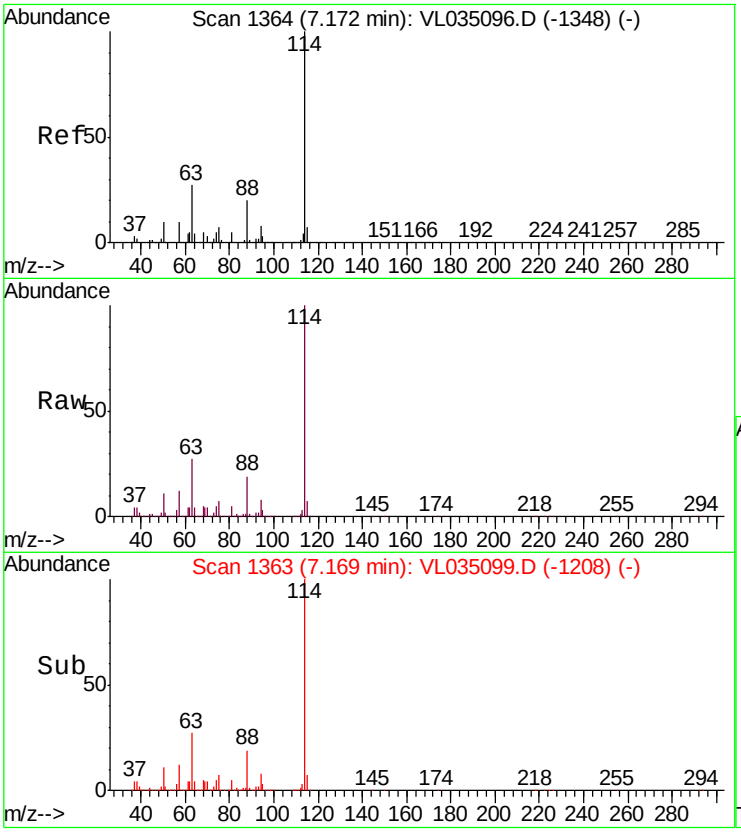


#32
1,1,1-Trichloroethane
Concen: 0.501 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 97 Resp: 96498

Ion	Ratio	Lower	Upper
97	100		
99	63.5	52.0	78.0
61	53.1	41.0	61.6



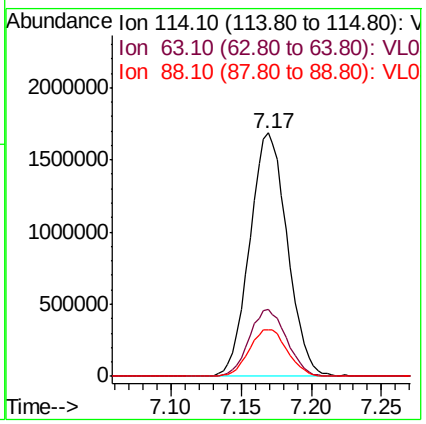


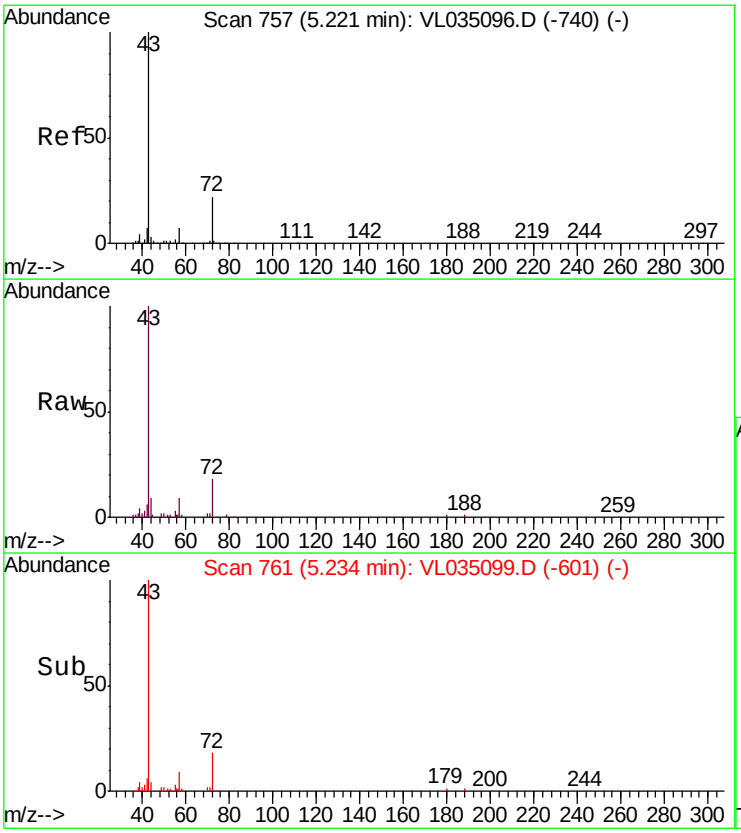
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:114 Resp: 3140389

Ion	Ratio	Lower	Upper
114	100		
63	27.7	21.9	32.9
88	19.6	15.6	23.4

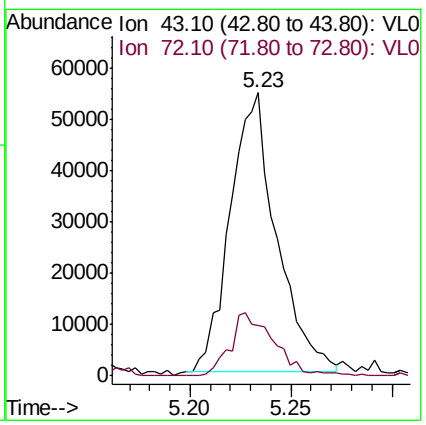


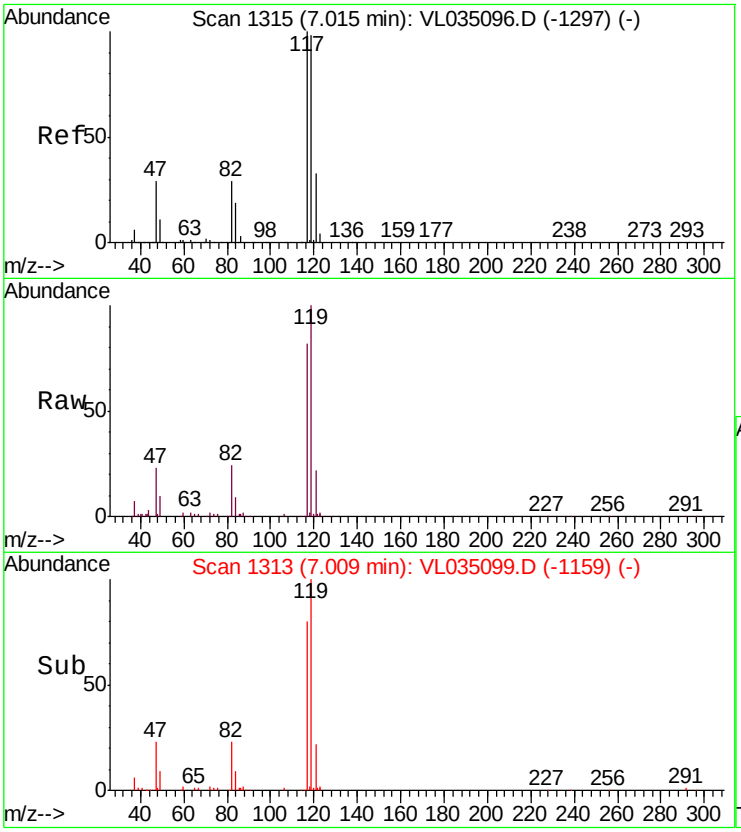


#34
2-Butanone
Concen: 0.452 ppbv
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 43 Resp: 87600

Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.3	27.5



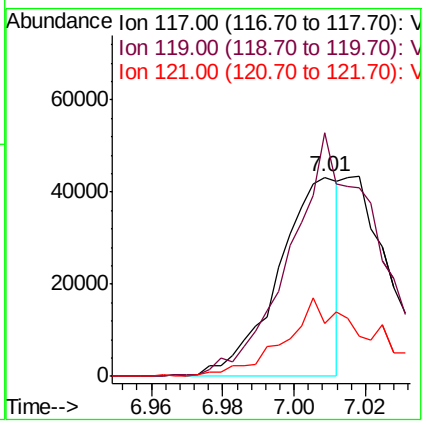


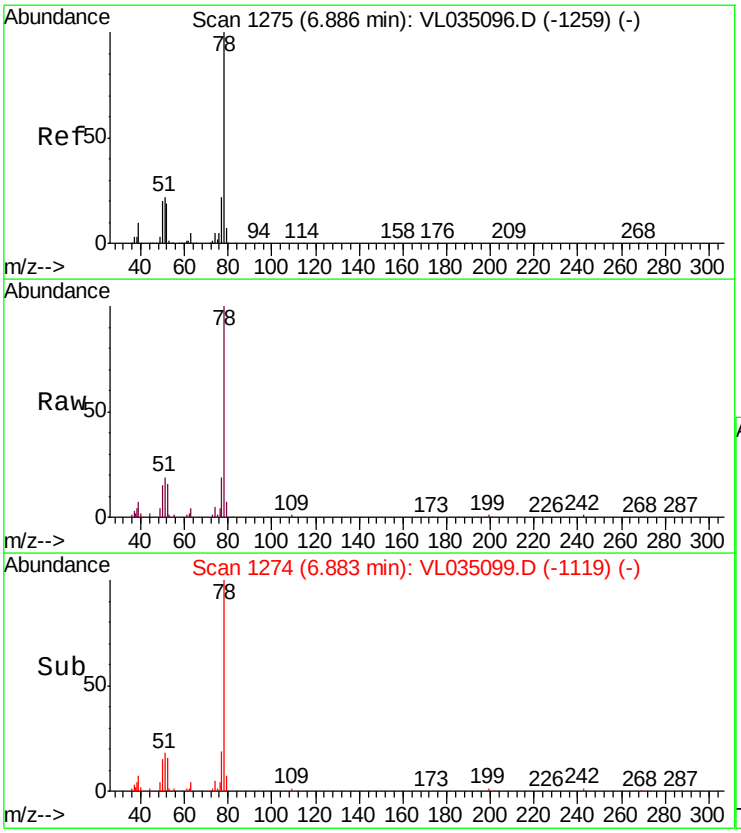
#35
Carbon Tetrachloride
Concen: 0.253 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:117 Resp: 50162

Ion	Ratio	Lower	Upper
117	100		
119	121.2	78.3	117.5#
121	26.7	26.0	39.0

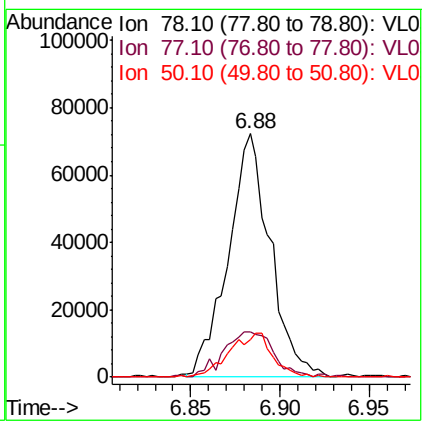


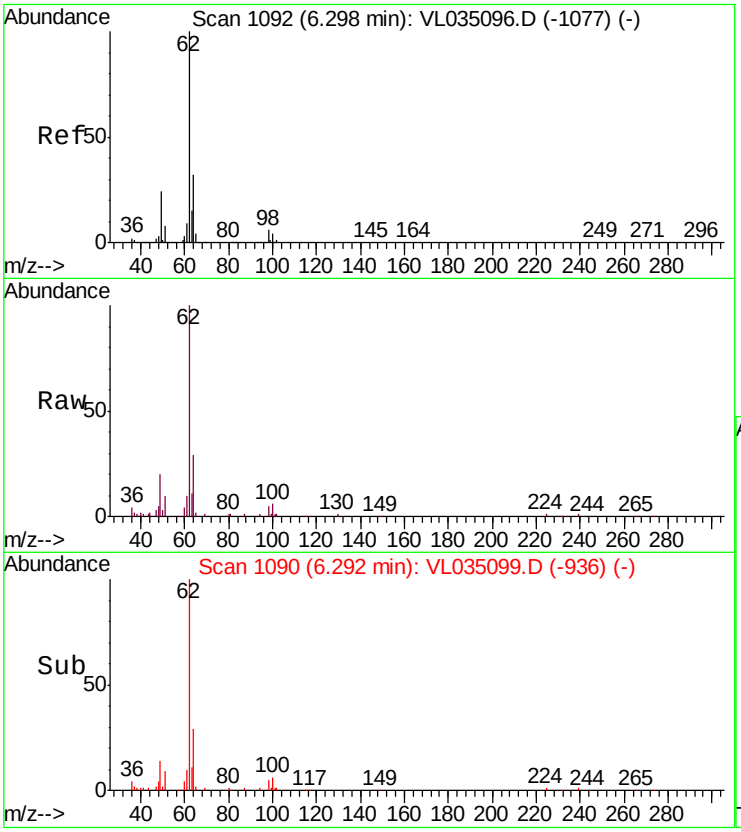


#36
Benzene
Concen: 0.453 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 78 Resp: 117021

Ion	Ratio	Lower	Upper
78	100		
77	18.7	17.8	26.6
50	15.2	16.2	24.2#



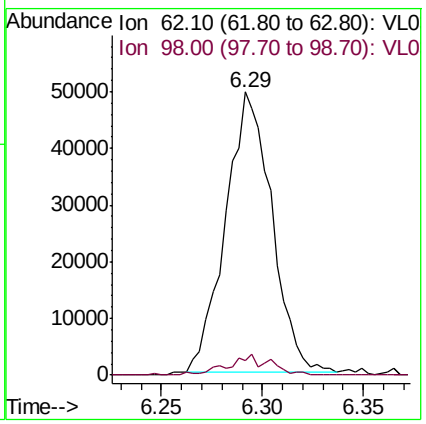


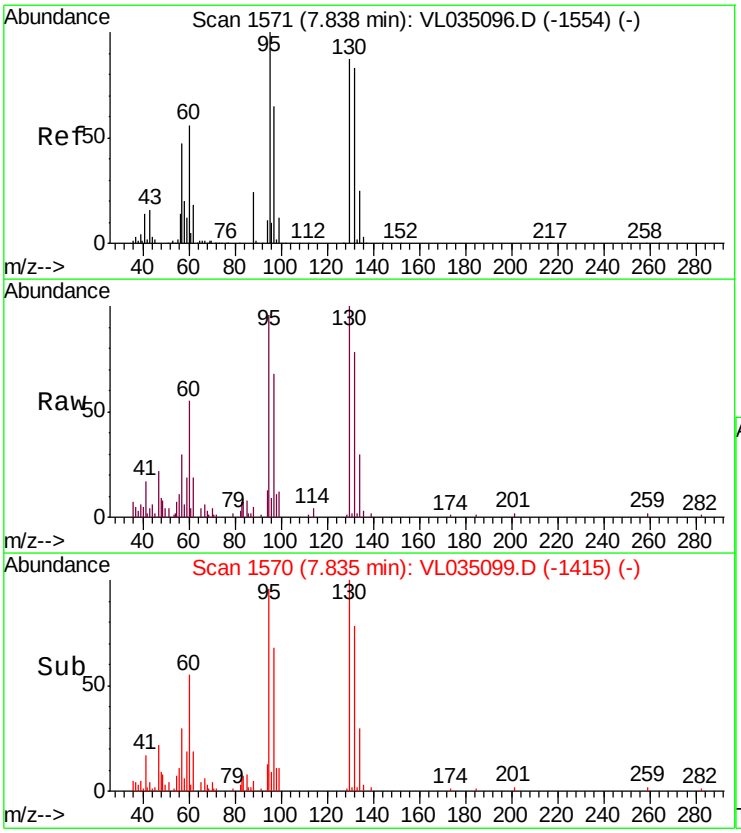
#37
1,2-Dichloroethane
Concen: 0.495 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 62 Resp: 79194

Ion	Ratio	Lower	Upper
62	100		
98	6.6	4.8	7.2

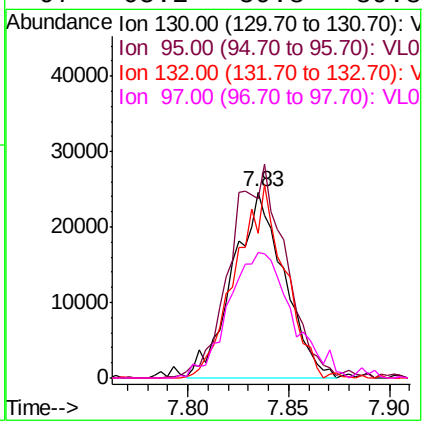


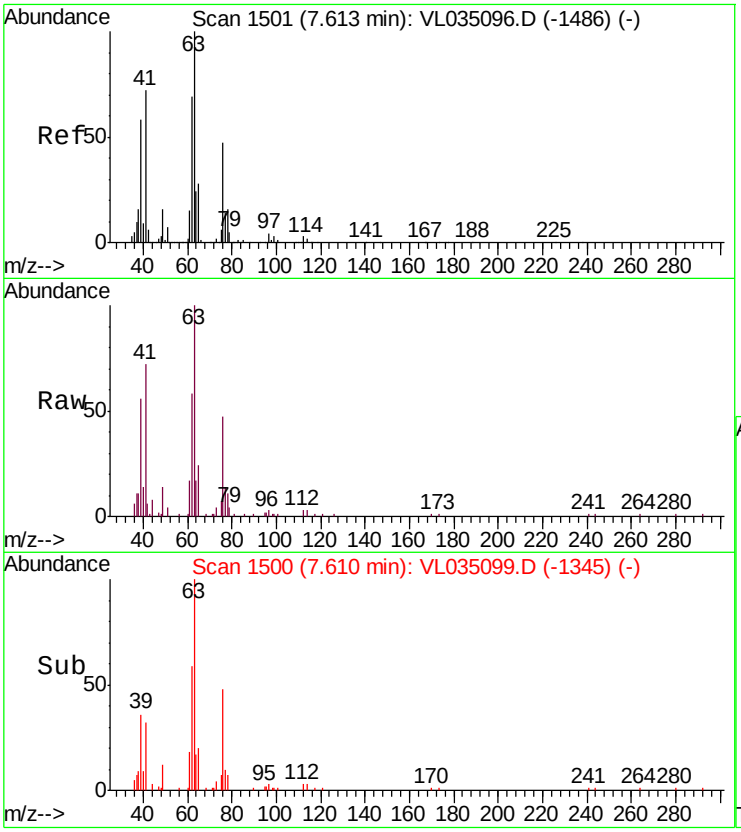


#38
Trichloroethene
Concen: 0.436 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:130 Resp: 43883

Ion	Ratio	Lower	Upper
130	100		
95	93.4	91.4	137.2
132	75.2	75.8	113.6#
97	65.2	59.8	89.8



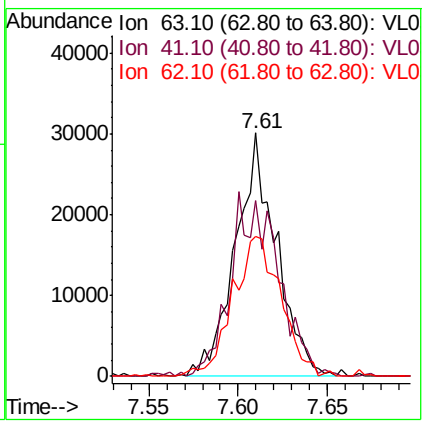


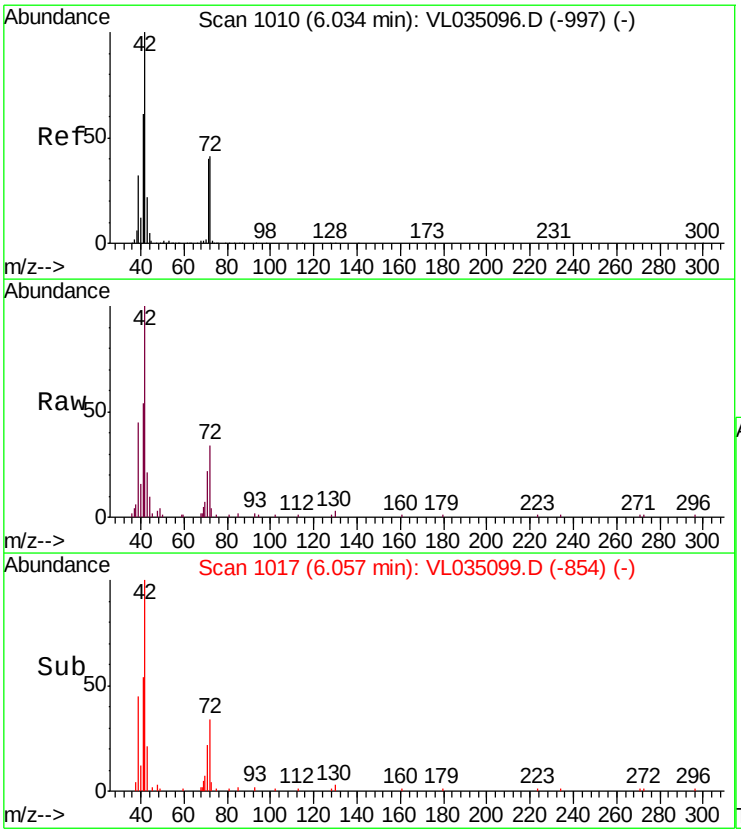
#39
1,2-Dichloropropane
Concen: 0.463 ppbv
RT: 7.61 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 63 Resp: 47964

Ion	Ratio	Lower	Upper
63	100		
41	62.0	58.0	87.0
62	49.5	55.4	83.0#

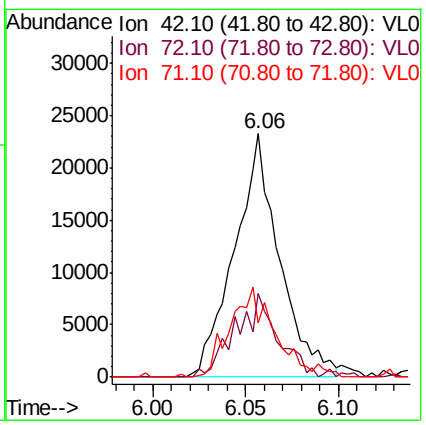


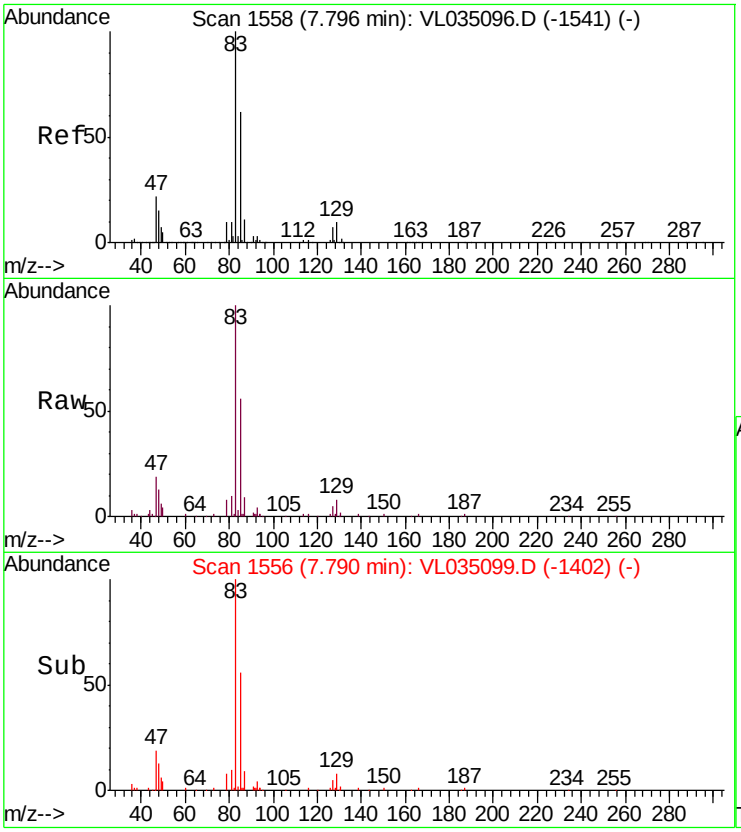


#41
Tetrahydrofuran
Concen: 0.386 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 42 Resp: 39272

Ion	Ratio	Lower	Upper
42	100		
72	33.4	33.4	50.2#
71	37.2	31.8	47.6



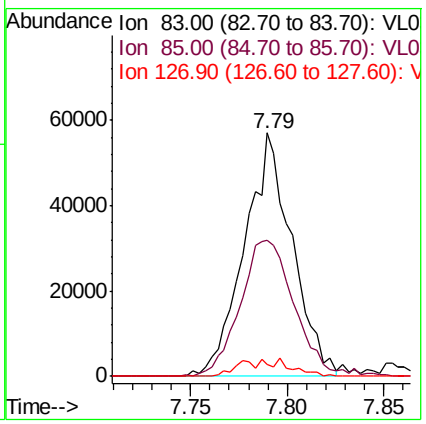


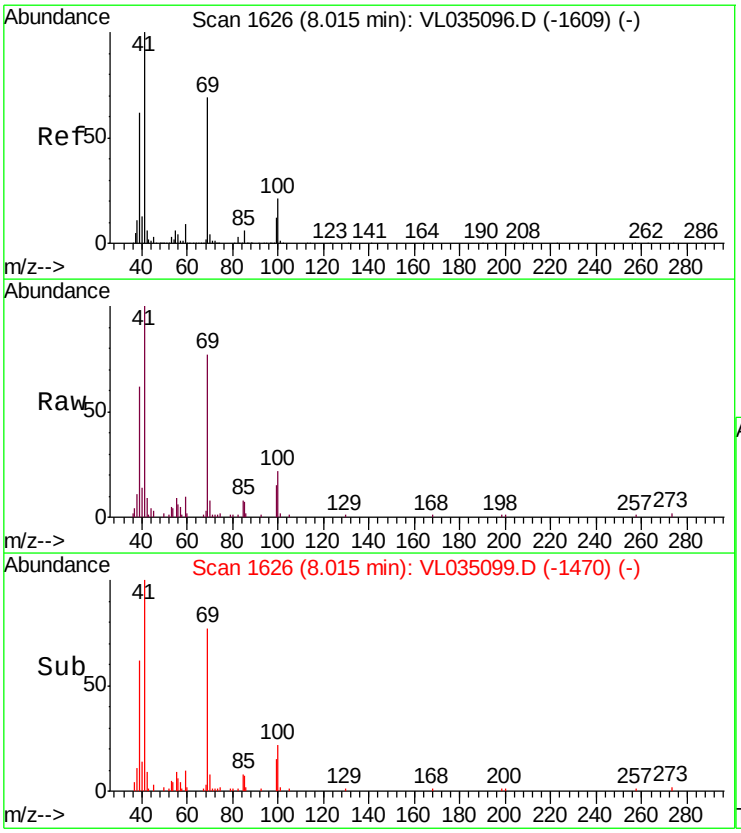
#42
Bromodichloromethane
Concen: 0.453 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 83 Resp: 97502

Ion	Ratio	Lower	Upper
83	100		
85	55.3	49.4	74.0
127	4.7	5.9	8.9#

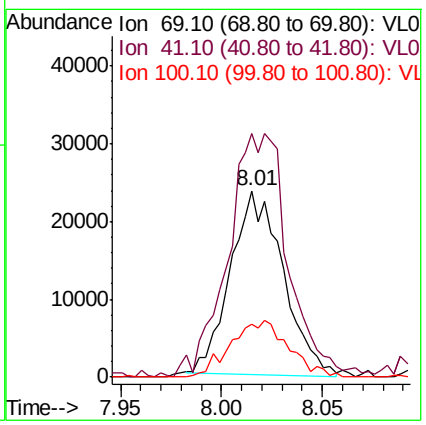


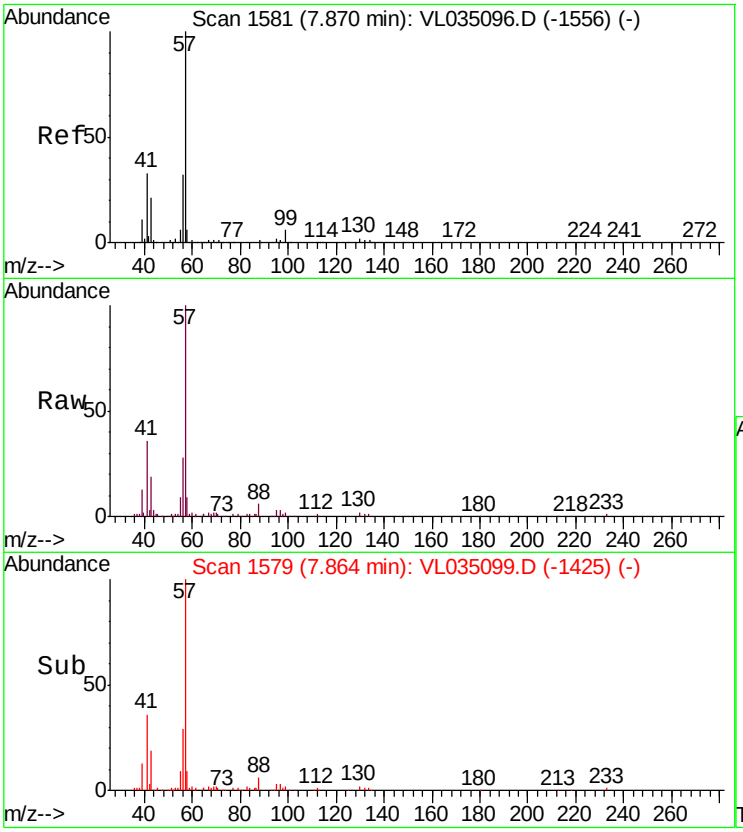


#43
Methyl Methacrylate
Concen: 0.396 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 69 Resp: 43165

Ion	Ratio	Lower	Upper
69	100		
41	152.5	116.4	174.6
100	33.8	25.3	37.9



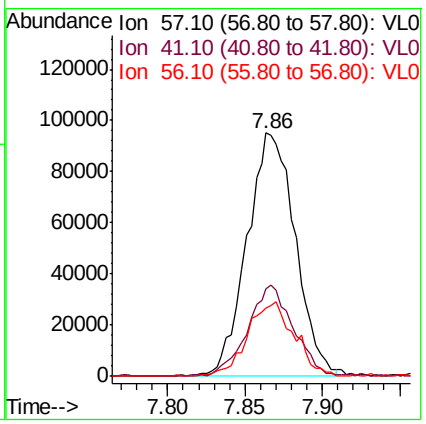


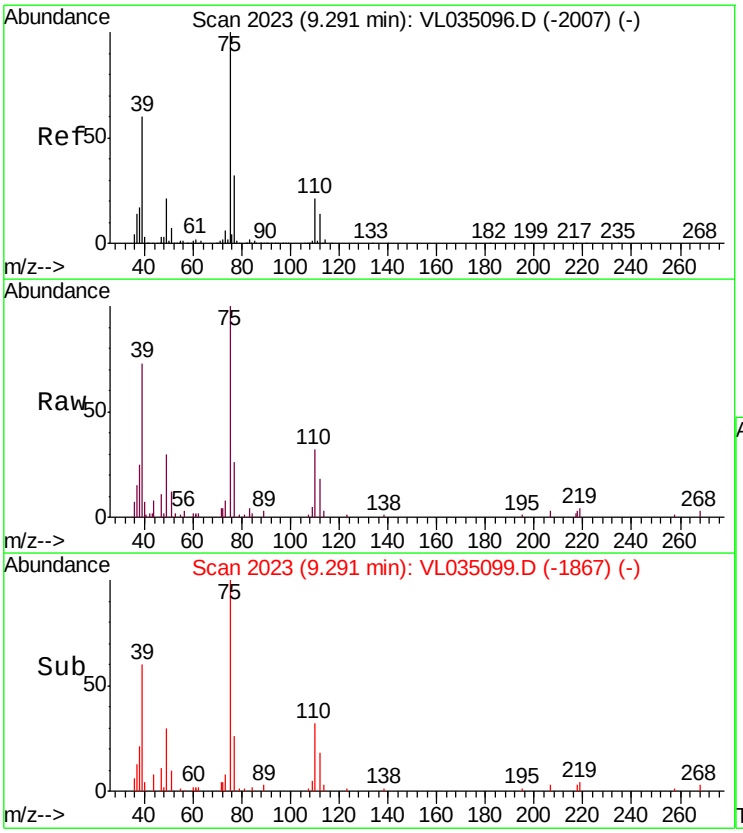
#44
2,2,4-Trimethylpentane
Concen: 0.449 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 57 Resp: 206293

Ion	Ratio	Lower	Upper
57	100		
41	36.3	26.2	39.2
56	29.9	25.4	38.2

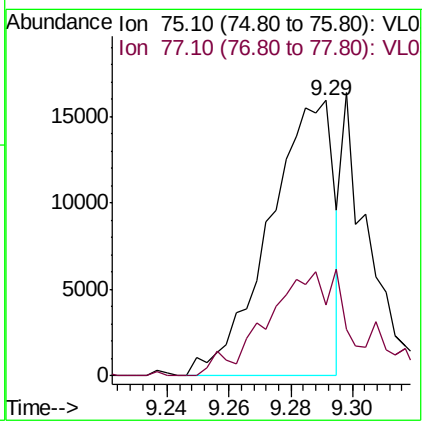


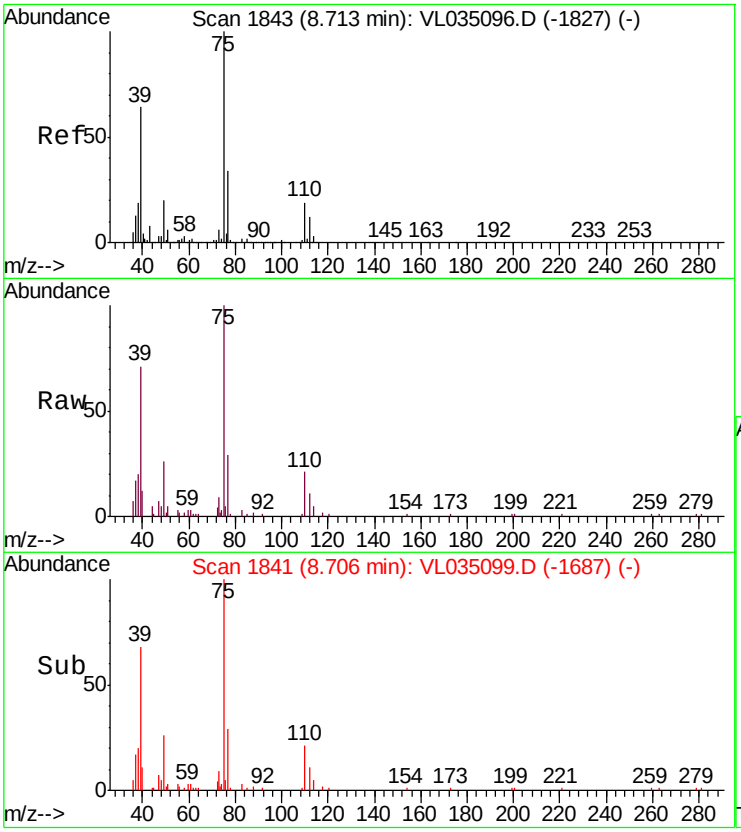


#45
t-1,3-Dichloropropene
Concen: 0.210 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 75 Resp: 23047

Ion	Ratio	Lower	Upper
75	100		
77	25.9	25.5	38.3



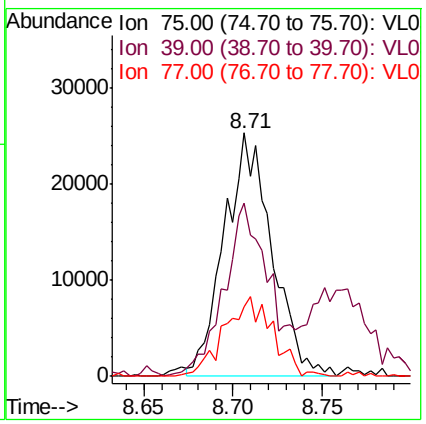


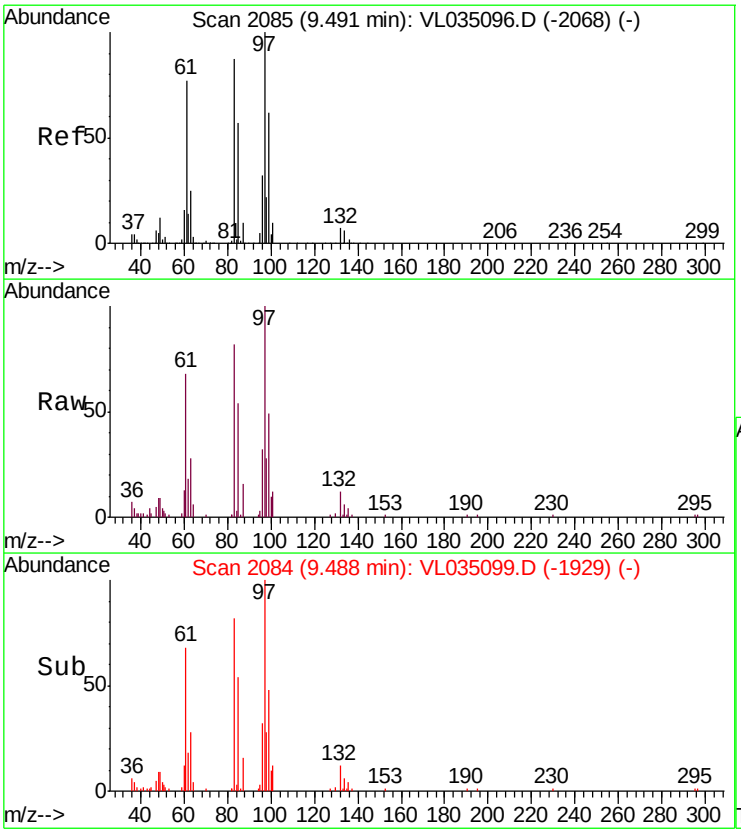
#46
cis-1,3-Dichloropropene
Concen: 0.350 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 75 Resp: 47136

Ion	Ratio	Lower	Upper
75	100		
39	67.9	51.1	76.7
77	28.6	26.9	40.3

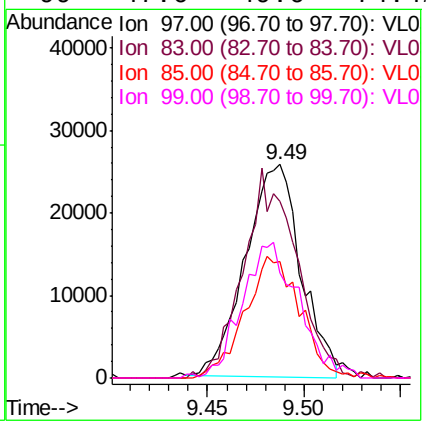


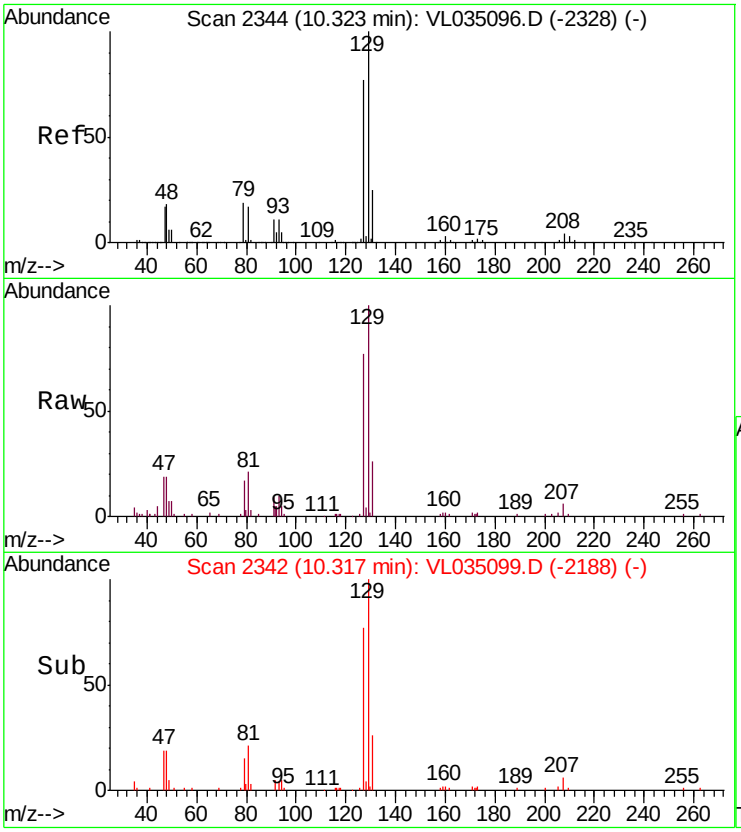


#47
1,1,2-Trichloroethane
Concen: 0.470 ppbv
RT: 9.49 min Scan# 2084
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 97 Resp: 51558

Ion	Ratio	Lower	Upper
97	100		
83	83.4	69.5	104.3
85	55.1	46.0	69.0
99	47.6	49.6	74.4#



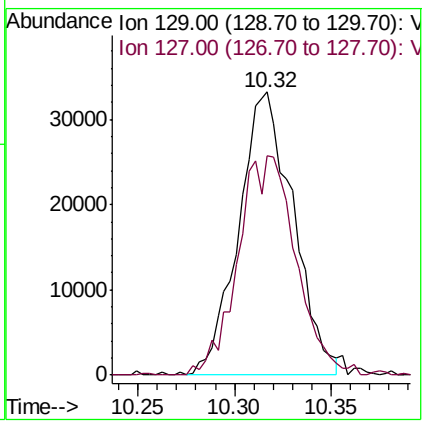


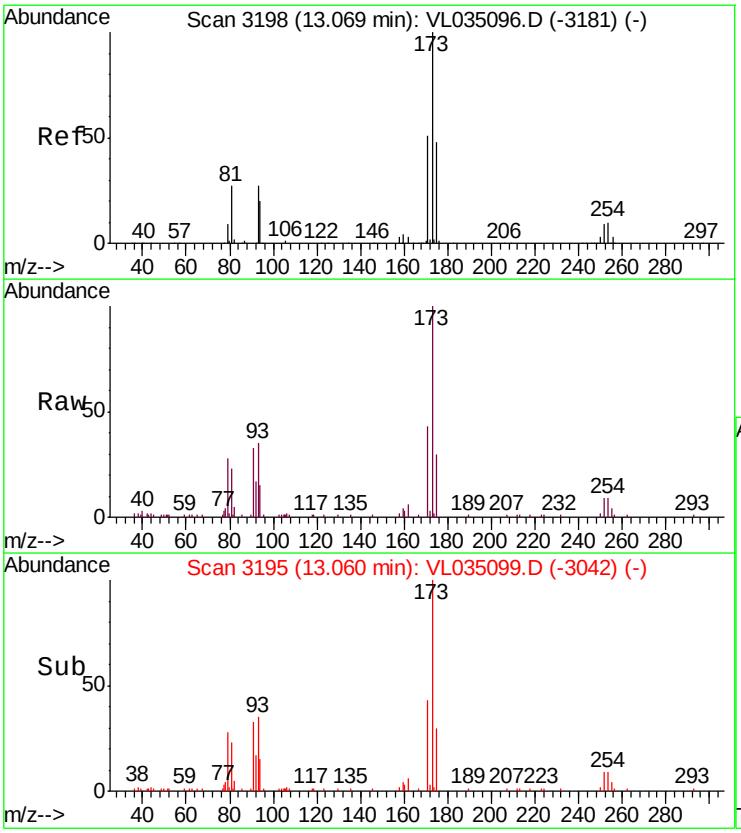
#48
Dibromochloromethane
Concen: 0.387 ppbv
RT: 10.32 min Scan# 2342
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:129 Resp: 65135

Ion	Ratio	Lower	Upper
129	100		
127	82.5	39.3	117.8

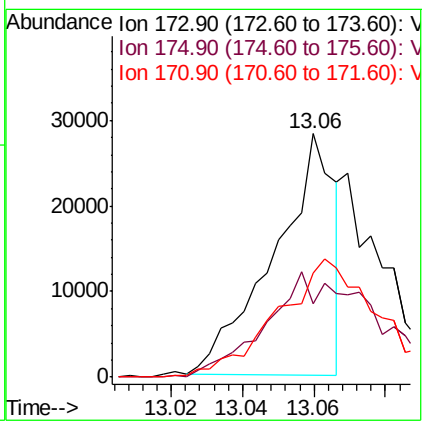


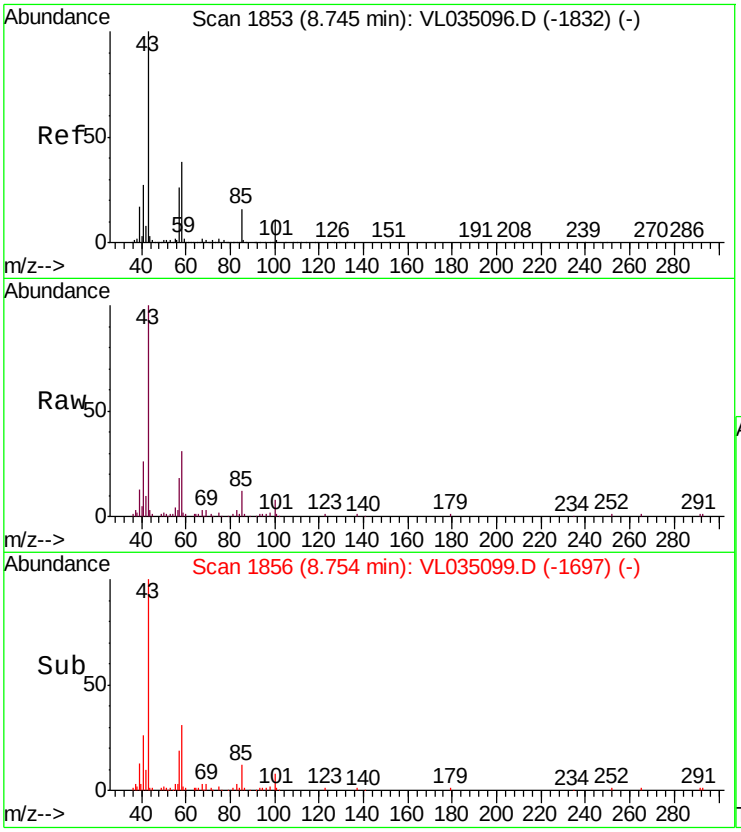


#49
Bromoform
Concen: 0.229 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:173 Resp: 33043

Ion	Ratio	Lower	Upper
173	100		
175	79.6	39.1	58.7#
171	80.8	41.7	62.5#



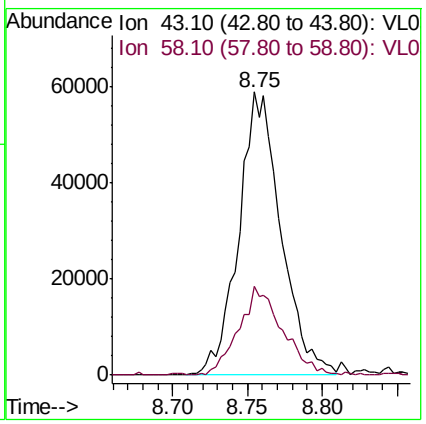


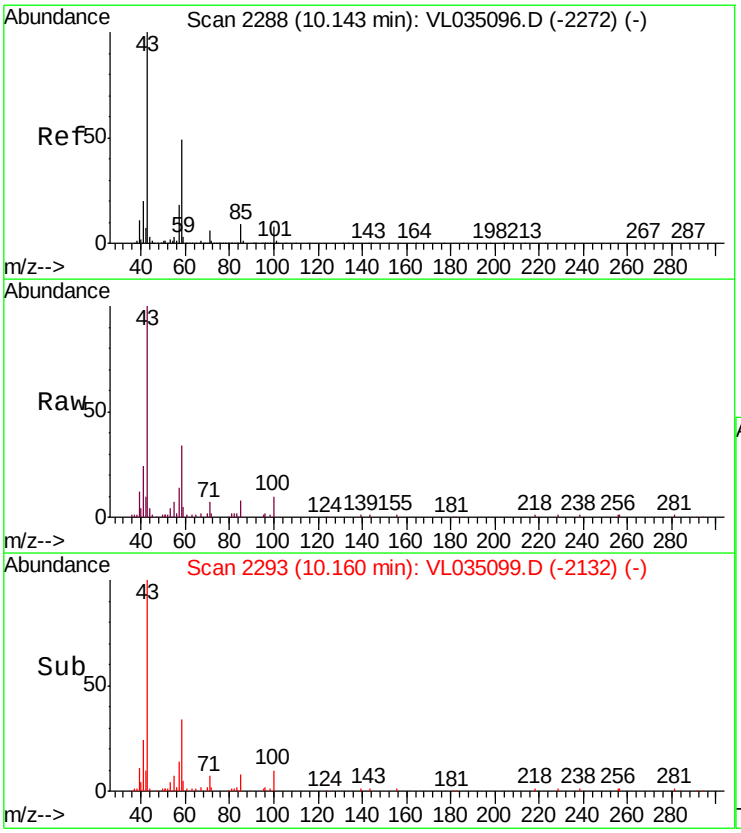
#50
4-Methyl-2-Pentanone
Concen: 0.418 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 43 Resp: 115521

Ion	Ratio	Lower	Upper
43	100		
58	32.5	29.4	44.0

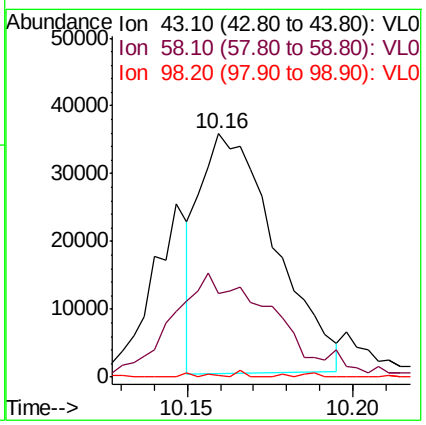


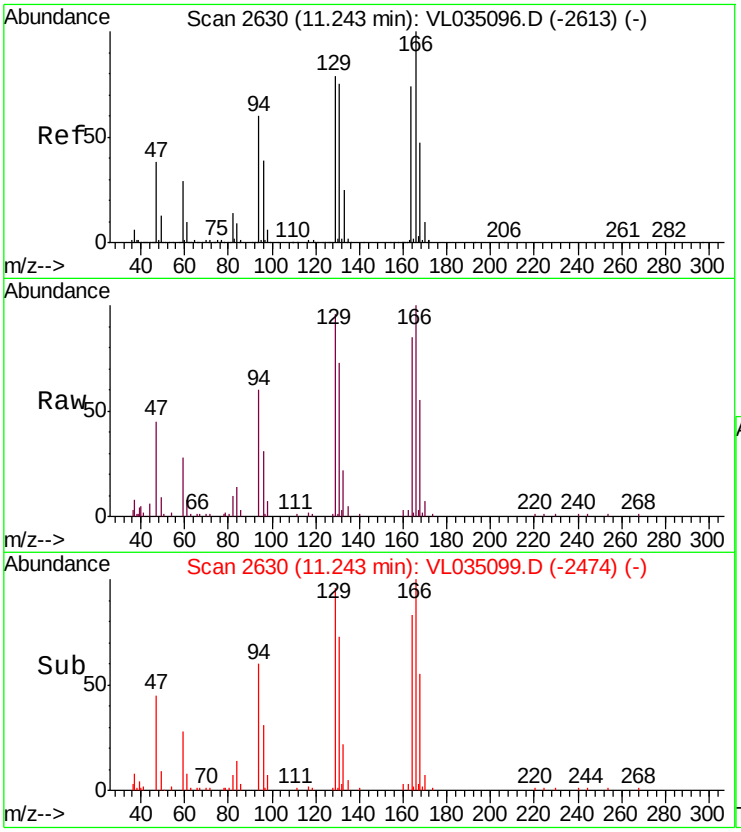


#51
2-Hexanone
Concen: 0.261 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.02 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 43 Resp: 56207

Ion	Ratio	Lower	Upper
43	100		
58	60.6	39.2	58.8#
98	1.1	0.3	0.5#



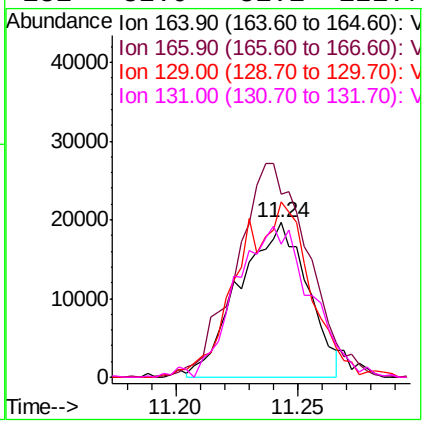


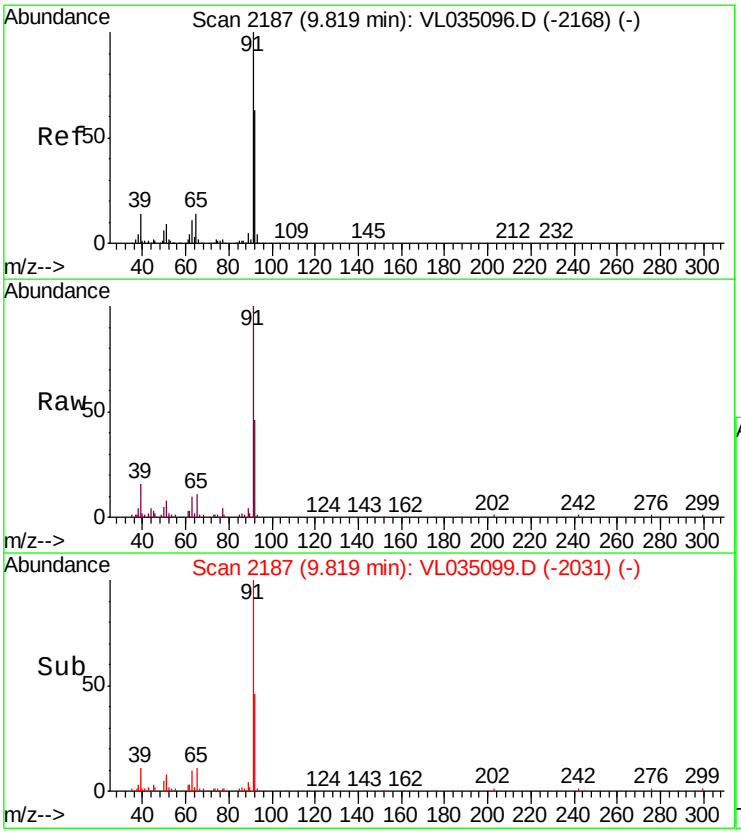
#52
Tetrachloroethene
Concen: 0.414 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion:164 Resp: 38170

Ion	Ratio	Lower	Upper
164	100		
166	114.2	107.5	161.3
129	111.7	84.9	127.3
131	82.9	81.1	121.7

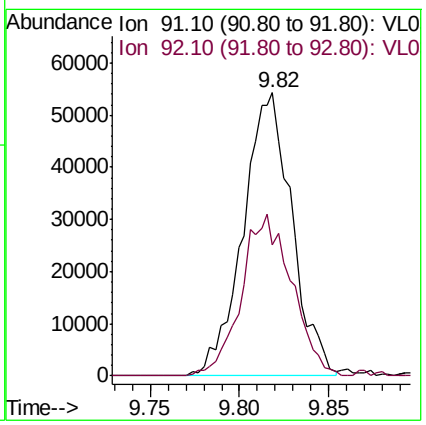


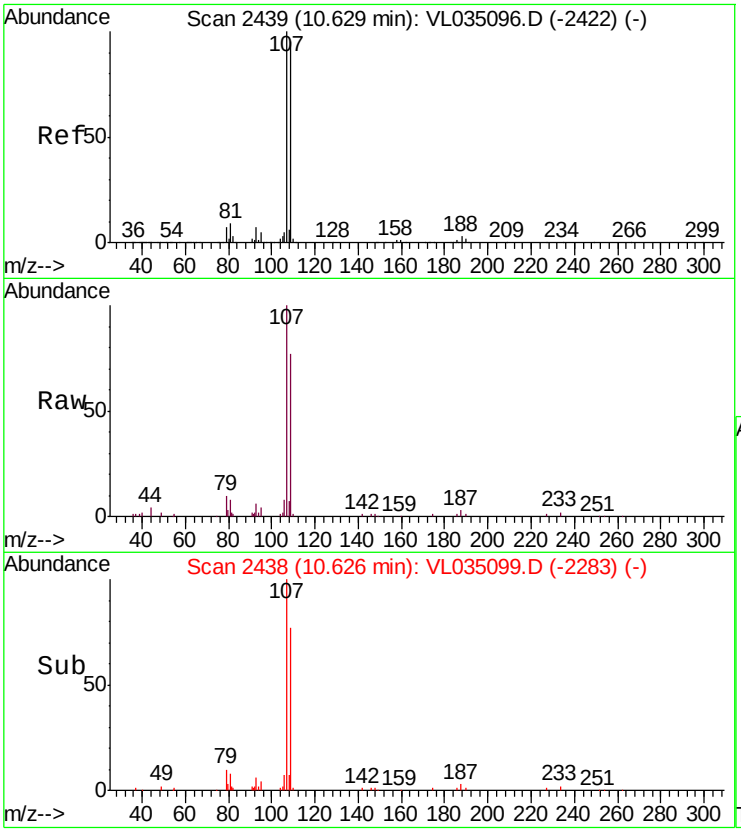


#53
Toluene
Concen: 0.378 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 91 Resp: 103683

Ion	Ratio	Lower	Upper
91	100		
92	59.2	49.0	73.6



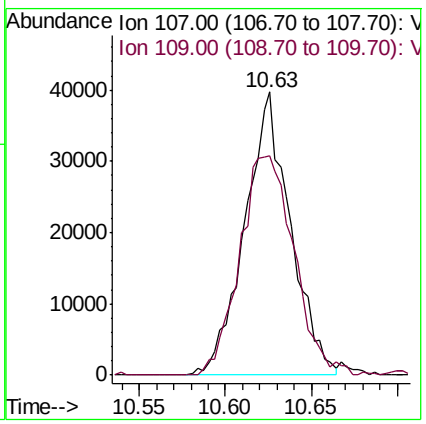


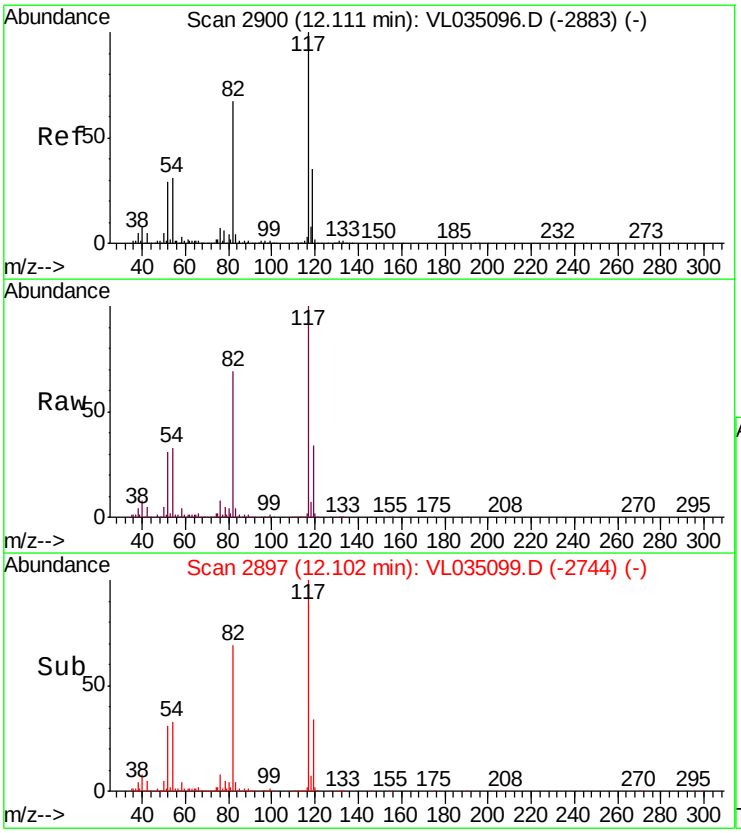
#54
1,2-Dibromoethane
Concen: 0.454 ppbv
RT: 10.63 min Scan# 2438
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion:107 Resp: 73005

Ion	Ratio	Lower	Upper
107	100		
109	77.4	75.9	113.9

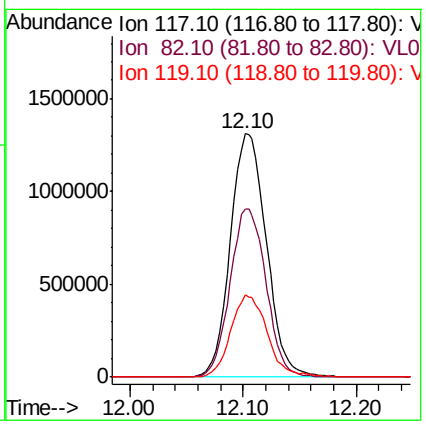


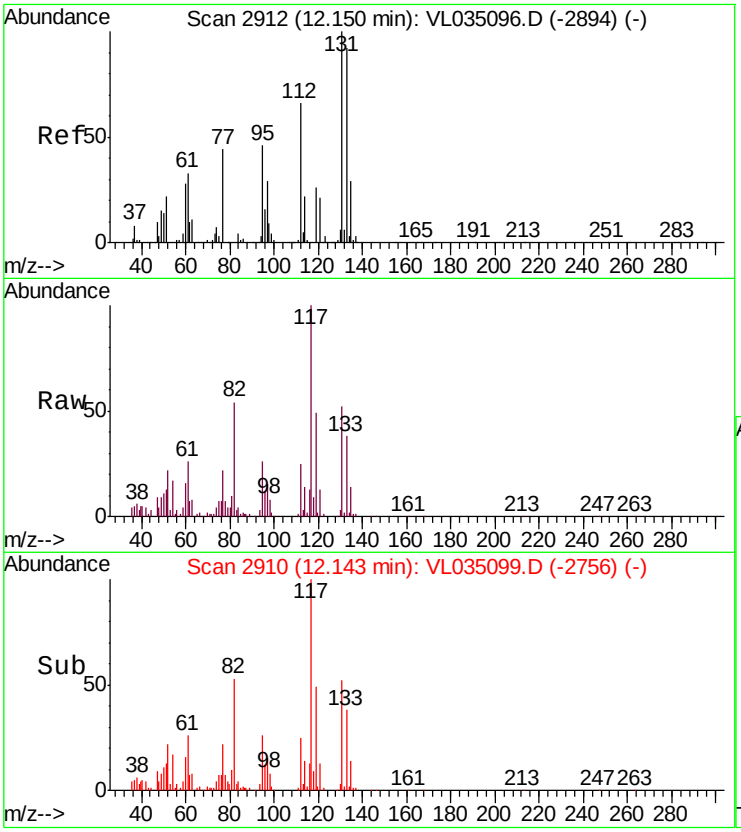


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:117 Resp: 2910150

Ion	Ratio	Lower	Upper
117	100		
82	69.5	50.4	75.6
119	34.3	25.4	38.0



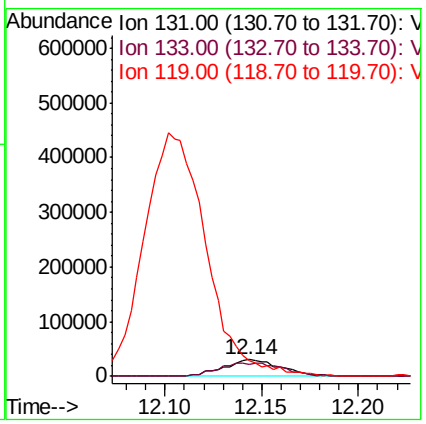


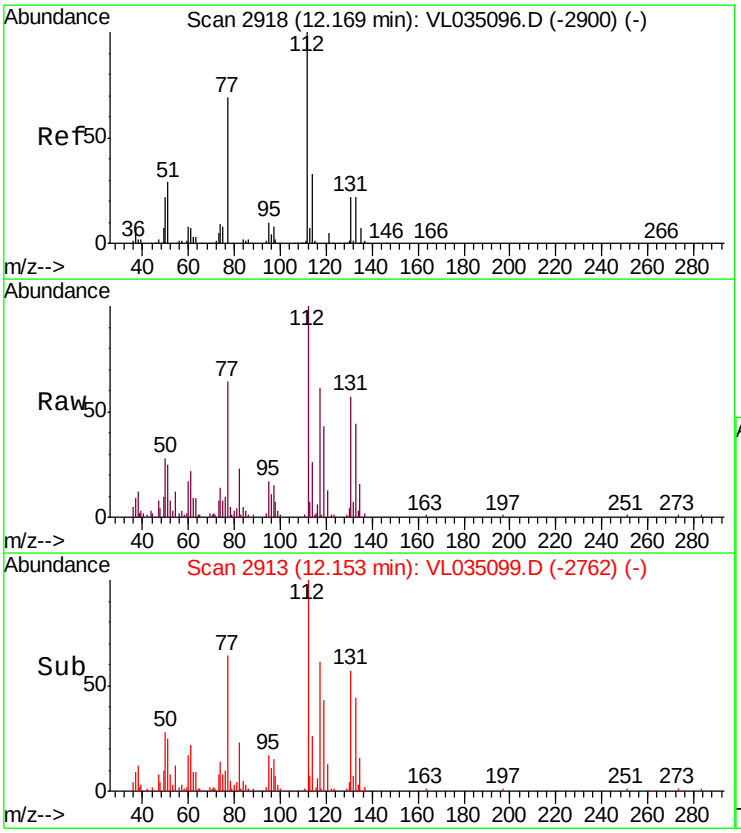
#56
1,1,1,2-Tetrachloroethane
Concen: 0.459 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:131 Resp: 59639

Ion	Ratio	Lower	Upper
131	100		
133	97.3	76.2	114.4
119	0.0	114.6	172.0#

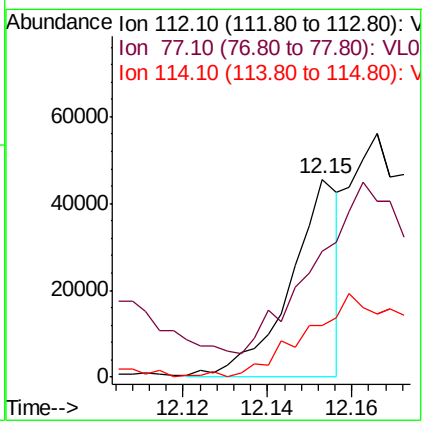


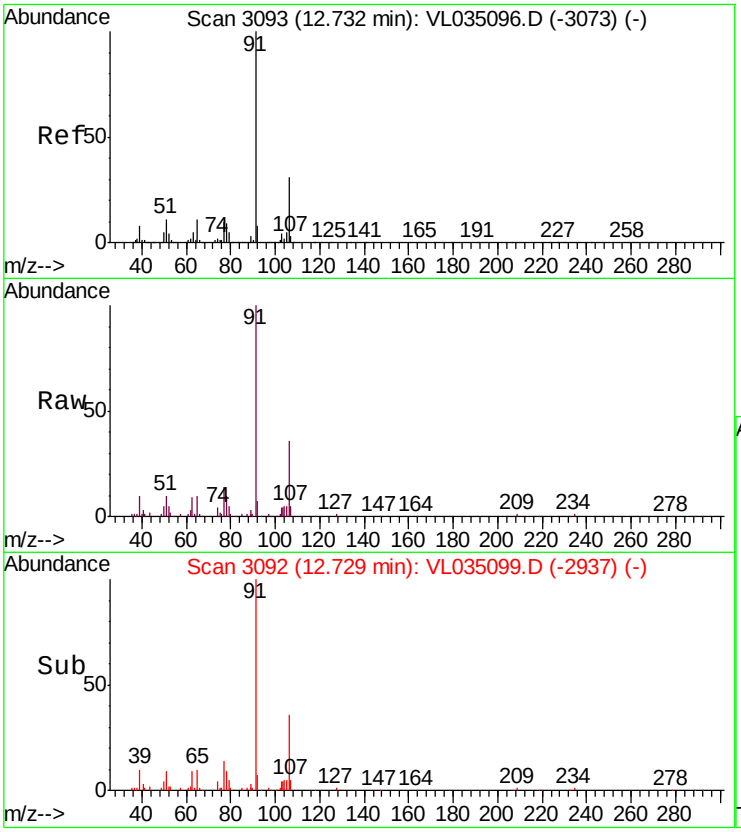


#57
Chlorobenzene
Concen: 0.160 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:112 Resp: 36585

Ion	Ratio	Lower	Upper
112	100		
77	45.4	56.7	85.1#
114	26.9	29.3	35.9#



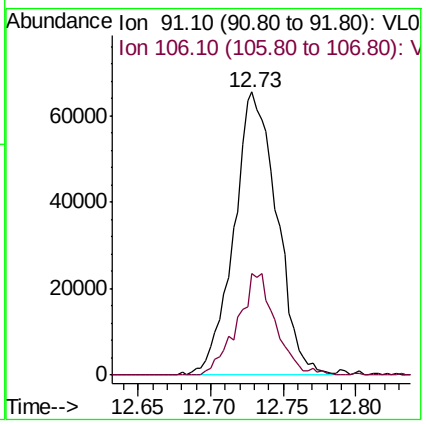


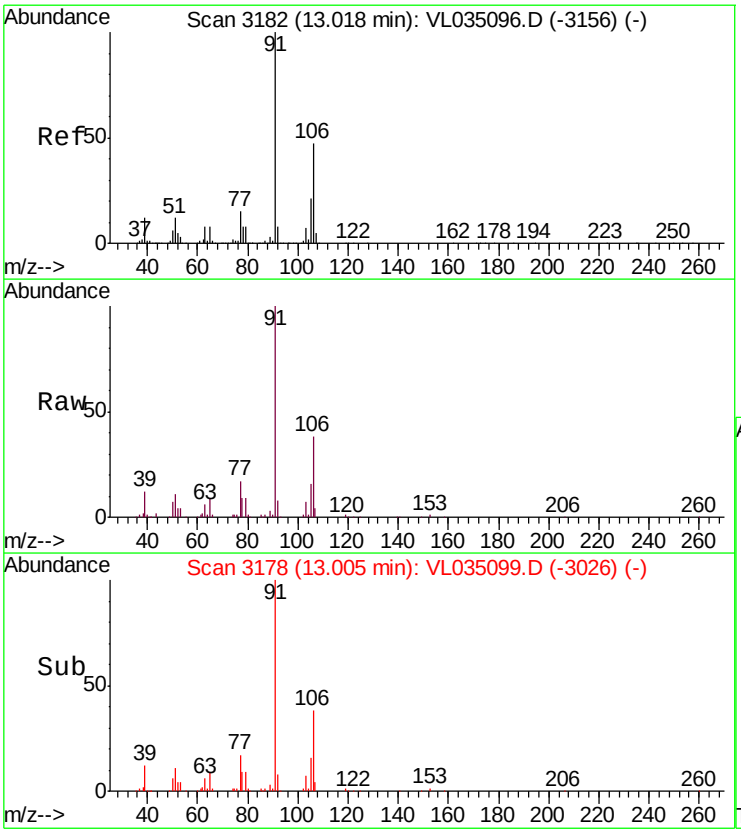
#58
Ethyl Benzene
Concen: 0.378 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 91 Resp: 133865

Ion	Ratio	Lower	Upper
91	100		
106	36.2	25.0	37.6

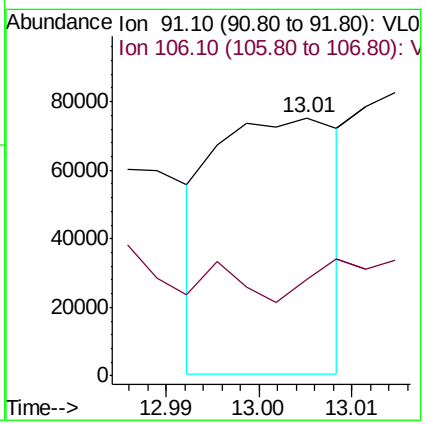


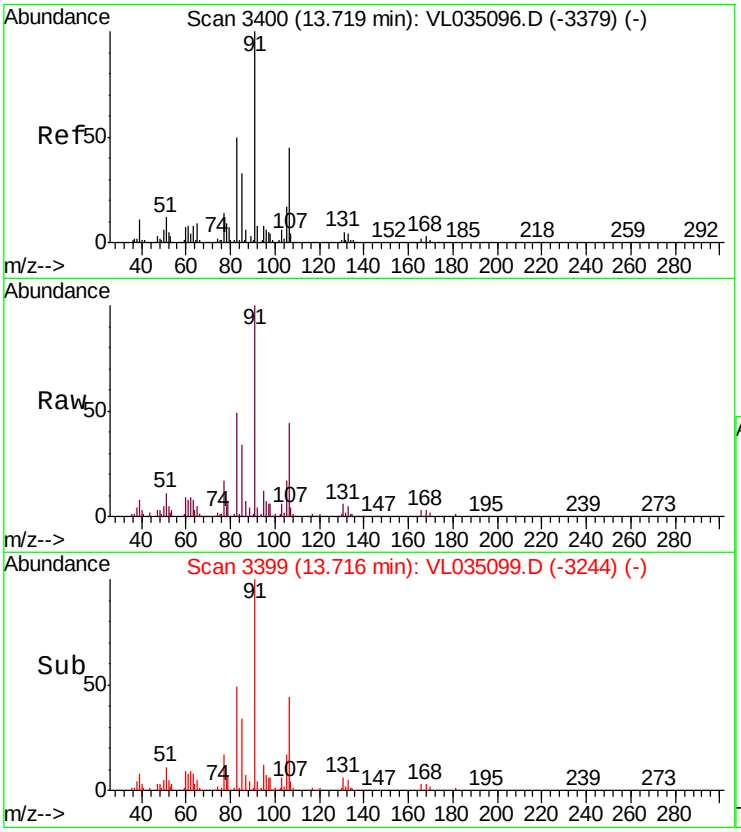


#59
m/p-Xylene
Concen: 0.221 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 91 Resp: 69130

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.5	54.7#



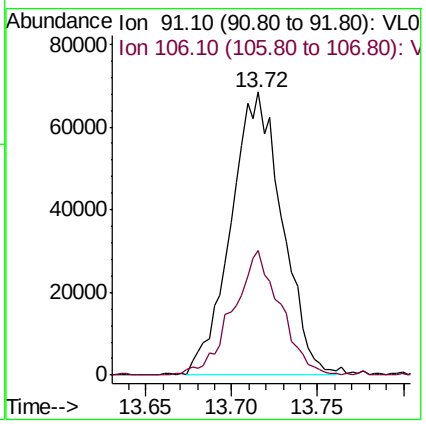


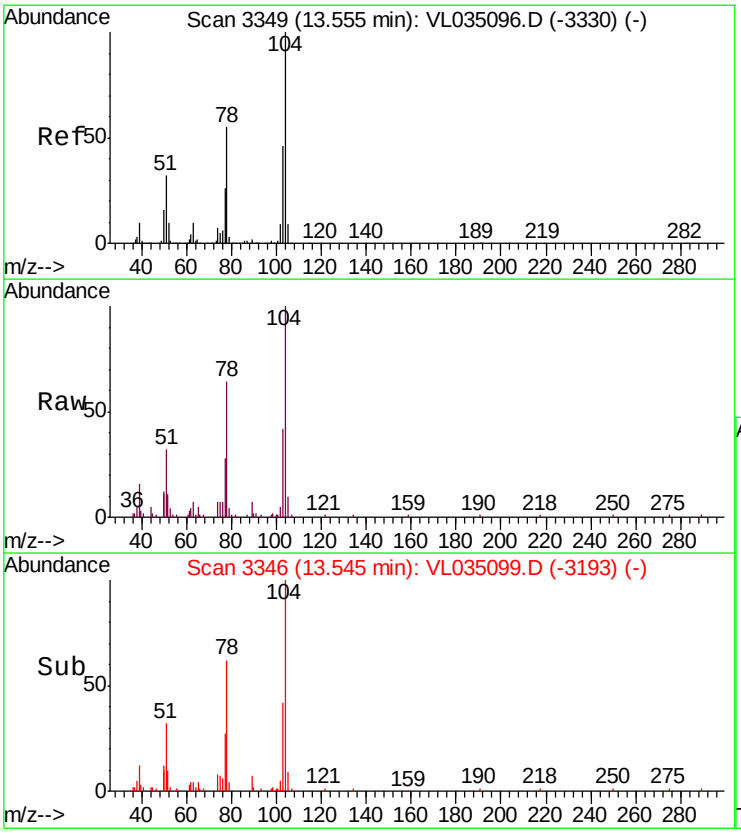
#60
o-Xylene
Concen: 0.462 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 91 Resp: 142391

Ion	Ratio	Lower	Upper
91	100		
106	40.5	22.1	66.5

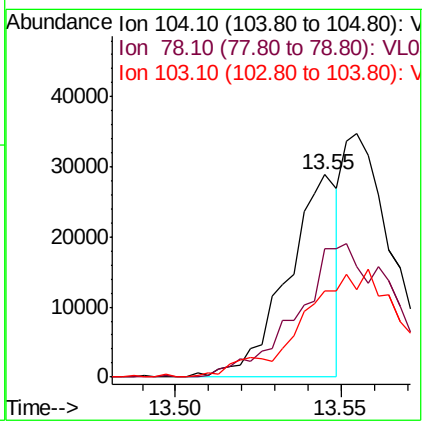


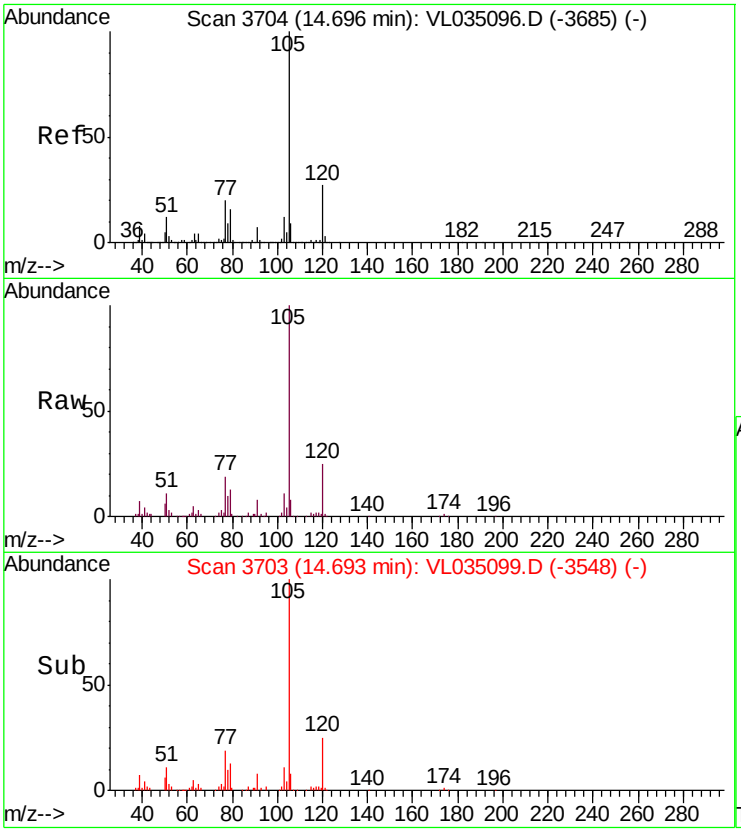


#61
Styrene
Concen: 0.158 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:104 Resp: 30672

Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.4	65.0#
103	0.0	38.3	57.5#



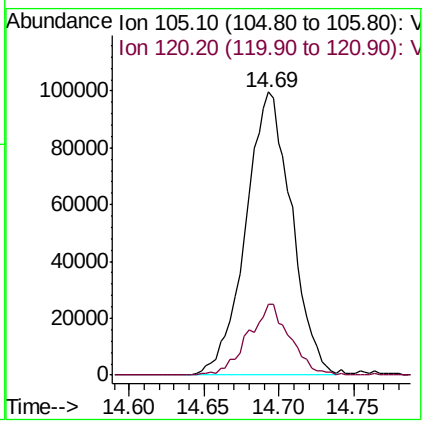


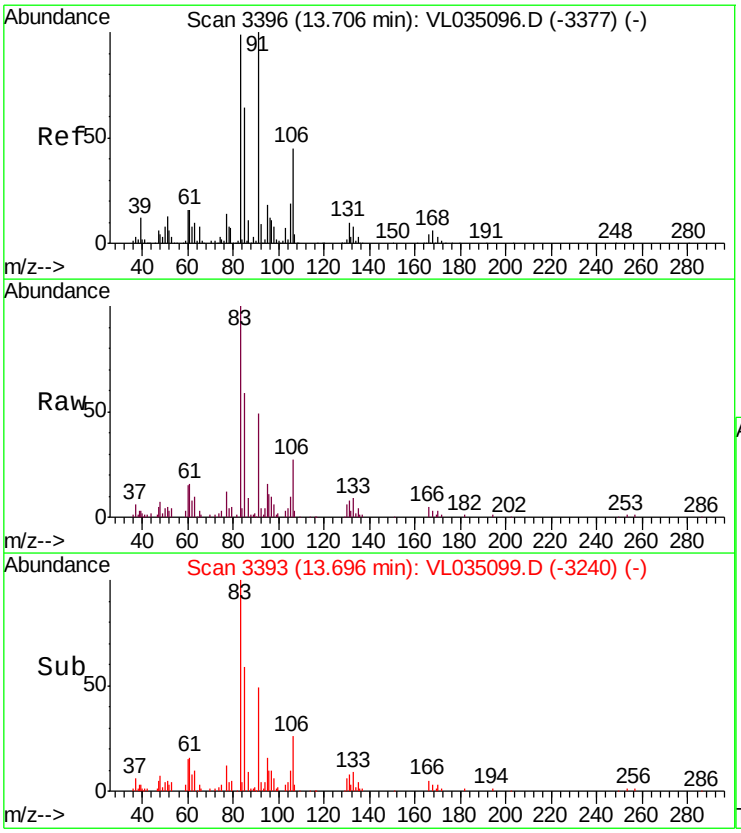
#62
Isopropylbenzene
Concen: 0.459 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion:105 Resp: 211129

Ion	Ratio	Lower	Upper
105	100		
120	23.1	20.8	31.2

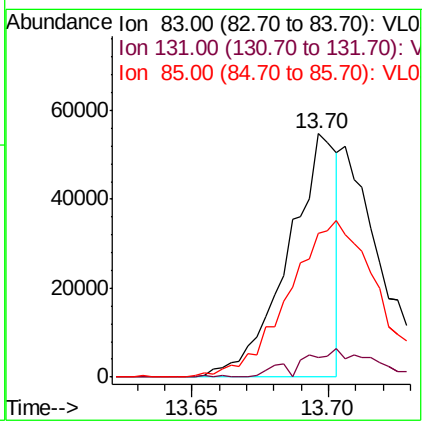


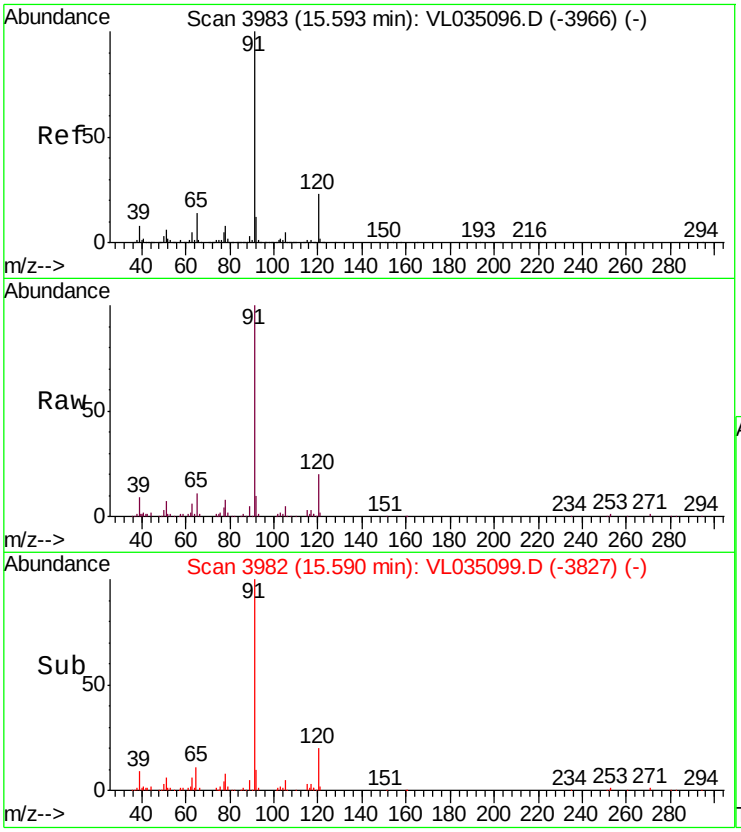


#63
1,1,2,2-Tetrachloroethane
Concen: 0.279 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 83 Resp: 67940

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	0.0	32.4	97.0#



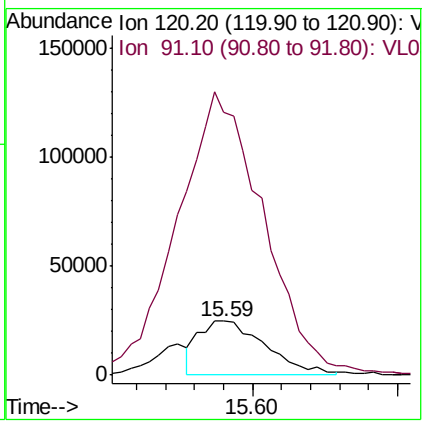


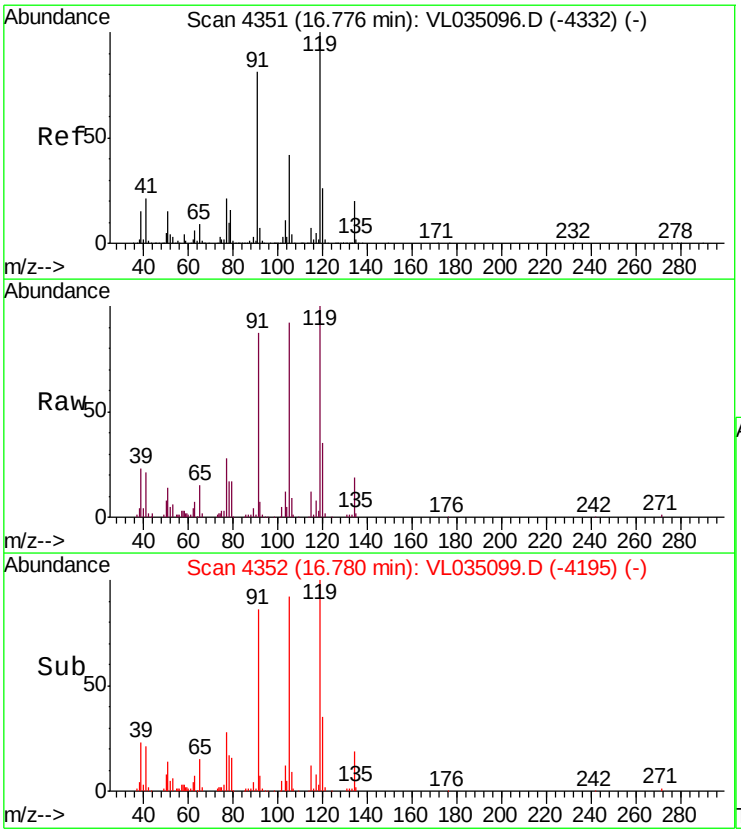
#64
n-propylbenzene
Concen: 0.339 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion:120 Resp: 40036

Ion	Ratio	Lower	Upper
120	100		
91	679.7	367.9	551.9#

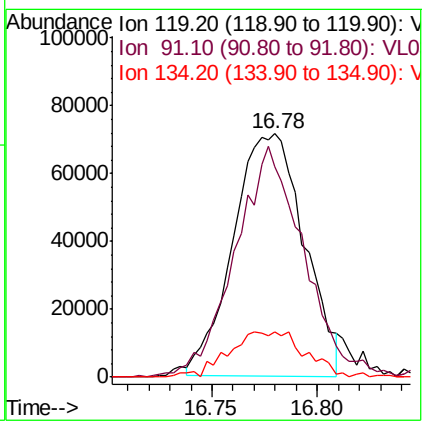


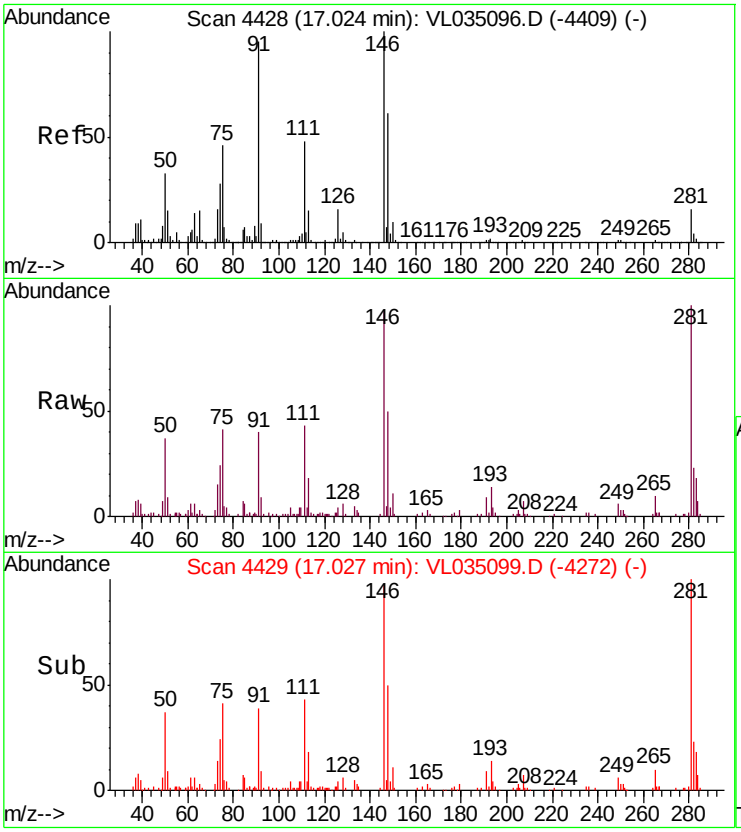


#65
tert-Butylbenzene
Concen: 0.418 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:119 Resp: 167175

Ion	Ratio	Lower	Upper
119	100		
91	93.1	67.6	101.4
134	20.5	15.7	23.5



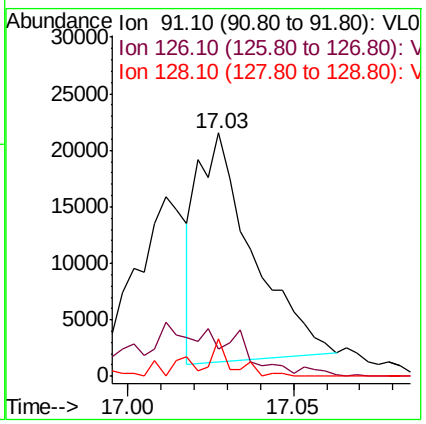


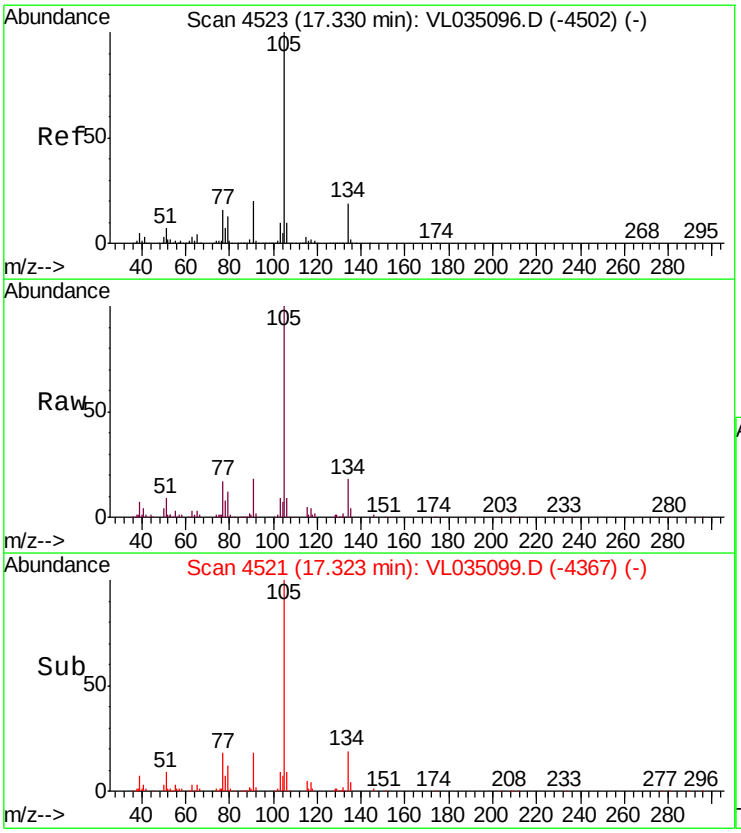
#66
Benzyl Chloride
Concen: 0.176 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 91 Resp: 23290

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.5	20.3#
128	12.0	4.3	6.5#

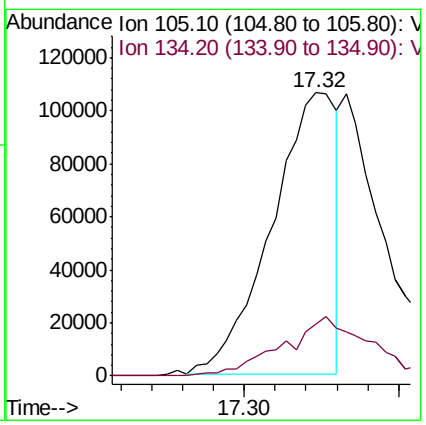


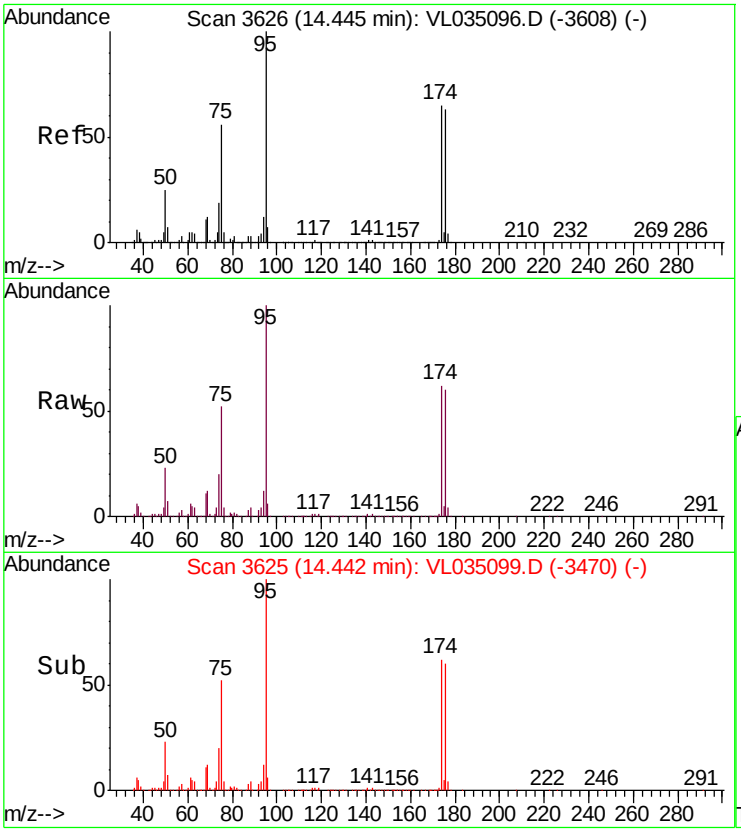


#67
sec-Butylbenzene
Concen: 0.271 ppbv
RT: 17.32 min Scan# 4521
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:105 Resp: 154186

Ion	Ratio	Lower	Upper
105	100		
134	28.3	14.7	22.1#



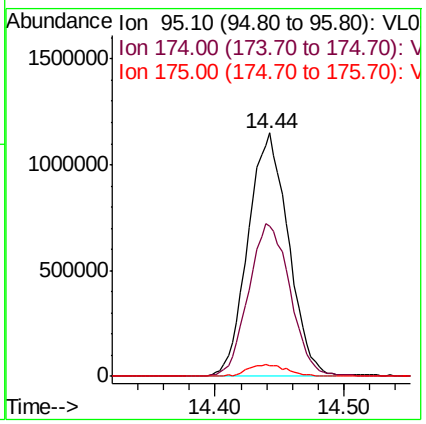


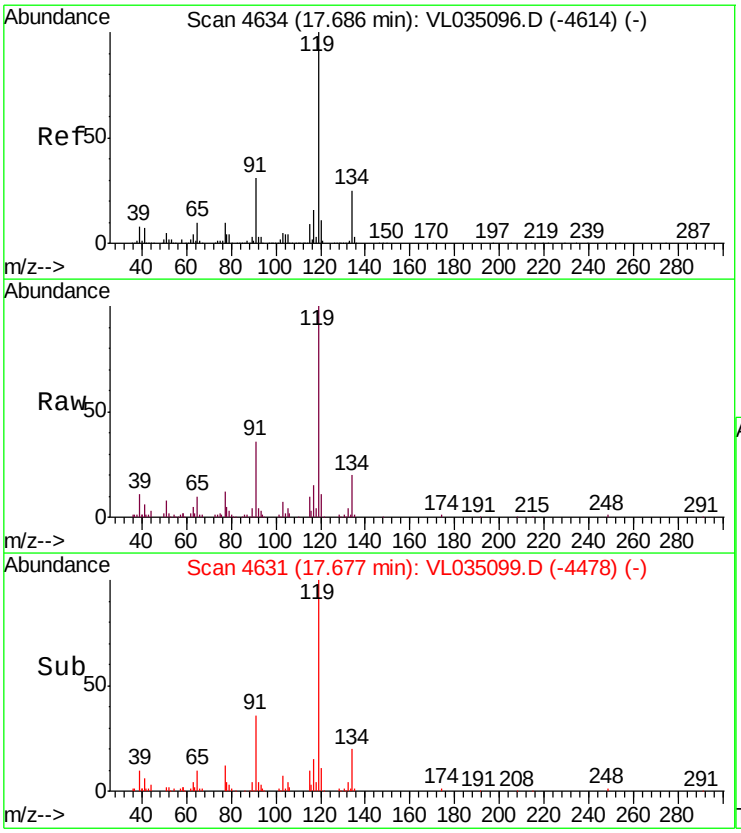
#68
1-Bromo-4-Fluorobenzene
Concen: 10.694 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion: 95 Resp: 2508959

Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.2	78.2
175	4.9	4.0	6.0

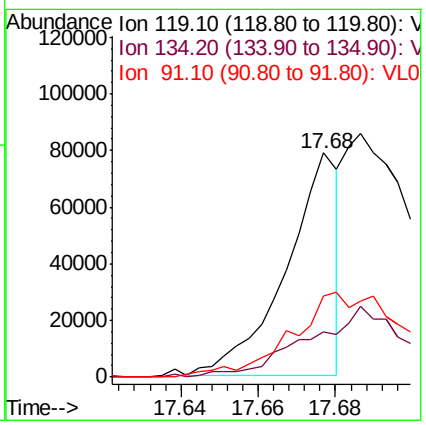


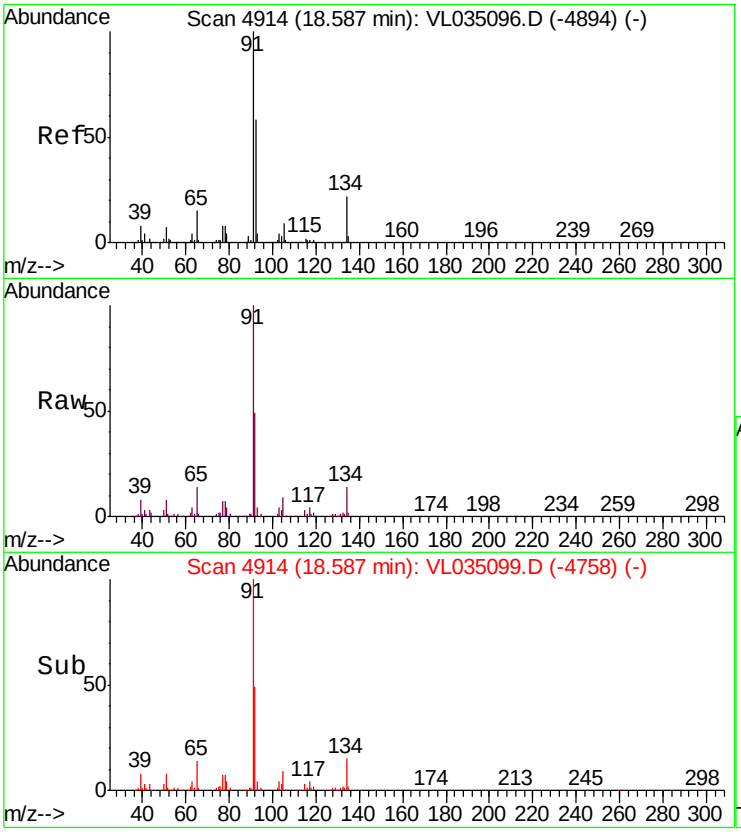


#69
p-Isopropyltoluene
Concen: 0.162 ppbv
RT: 17.68 min Scan# 4631
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:119 Resp: 74574

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.4	30.6#
91	89.7	24.5	36.7#



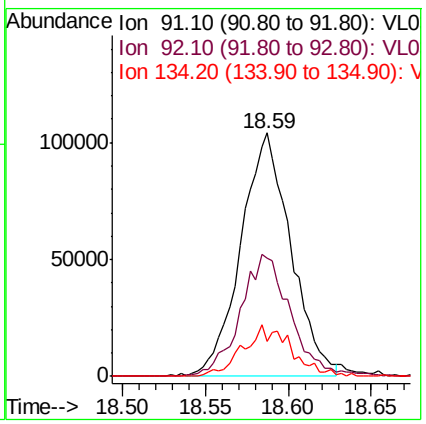


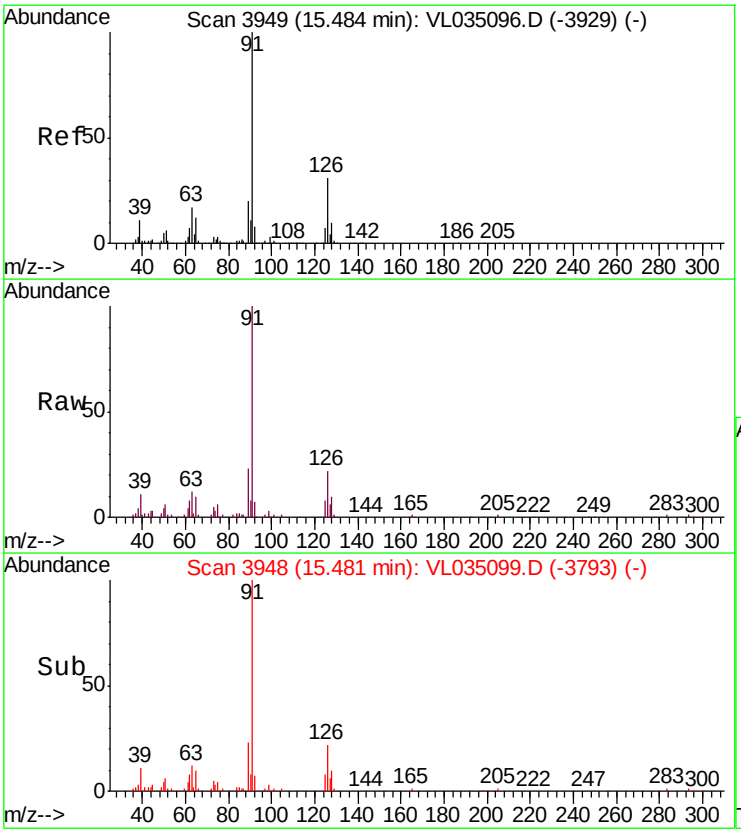
#70
n-Butylbenzene
Concen: 0.442 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument : MSVOA_L
ClientSampleId : VSTDICCC0.5

Tgt Ion: 91 Resp: 216349

Ion	Ratio	Lower	Upper
91	100		
92	50.7	44.4	66.6
134	20.6	18.0	27.0

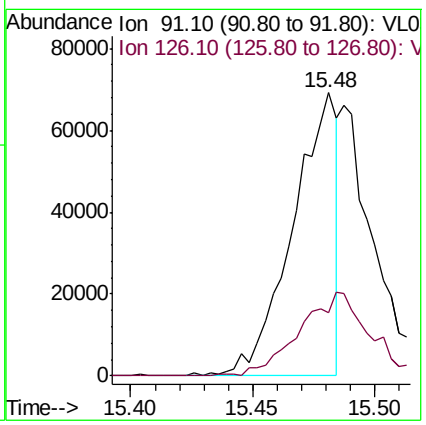


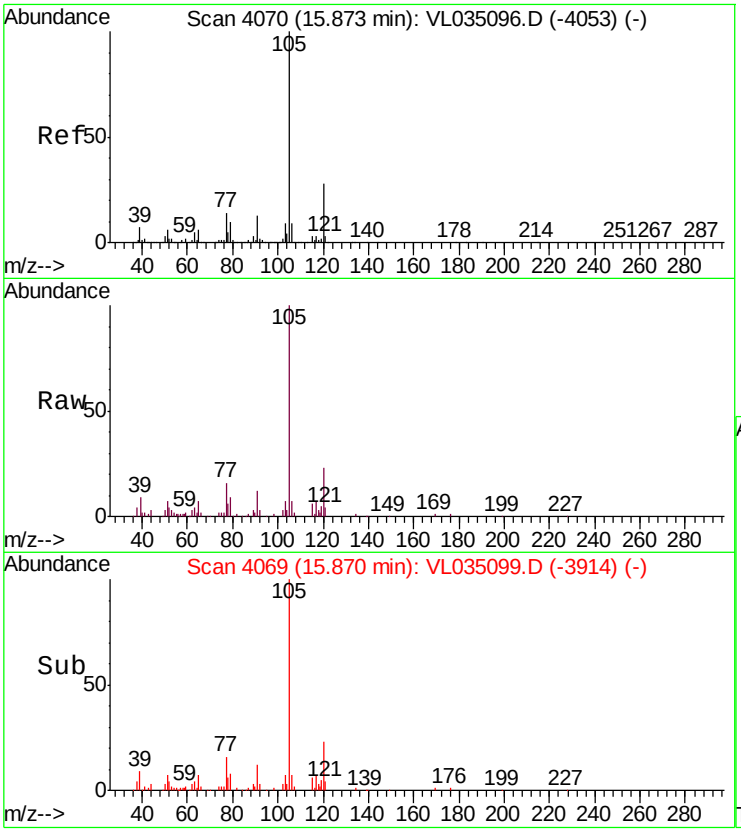


#71
2-Chlorotoluene
Concen: 0.252 ppbv
RT: 15.48 min Scan# 3948
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion: 91 Resp: 87578

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.0	48.0#



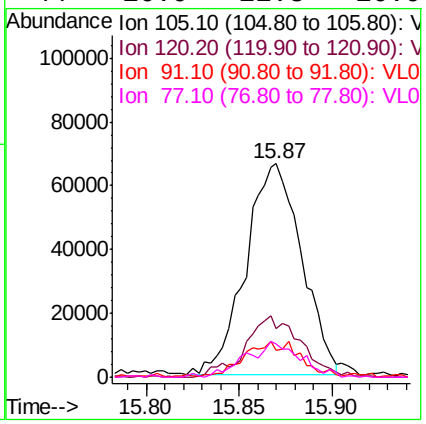


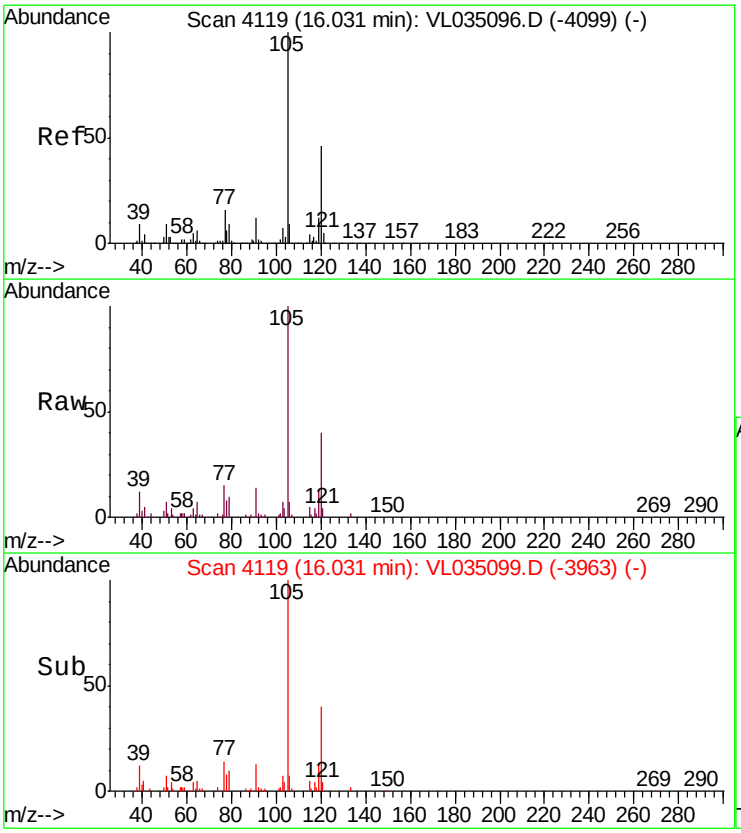
#72
4-Ethyltoluene
Concen: 0.405 ppbv
RT: 15.87 min Scan# 4069
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:105 Resp: 139481

Ion	Ratio	Lower	Upper
105	100		
120	28.5	23.4	35.0
91	18.3	10.6	16.0#
77	16.9	11.3	16.9

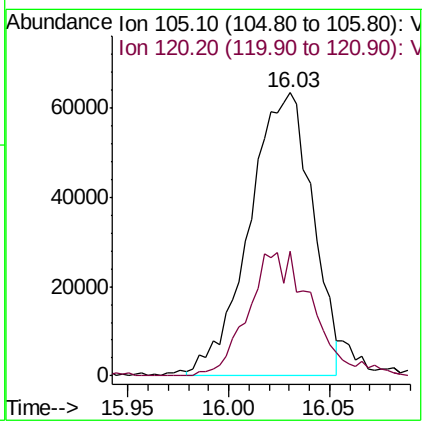


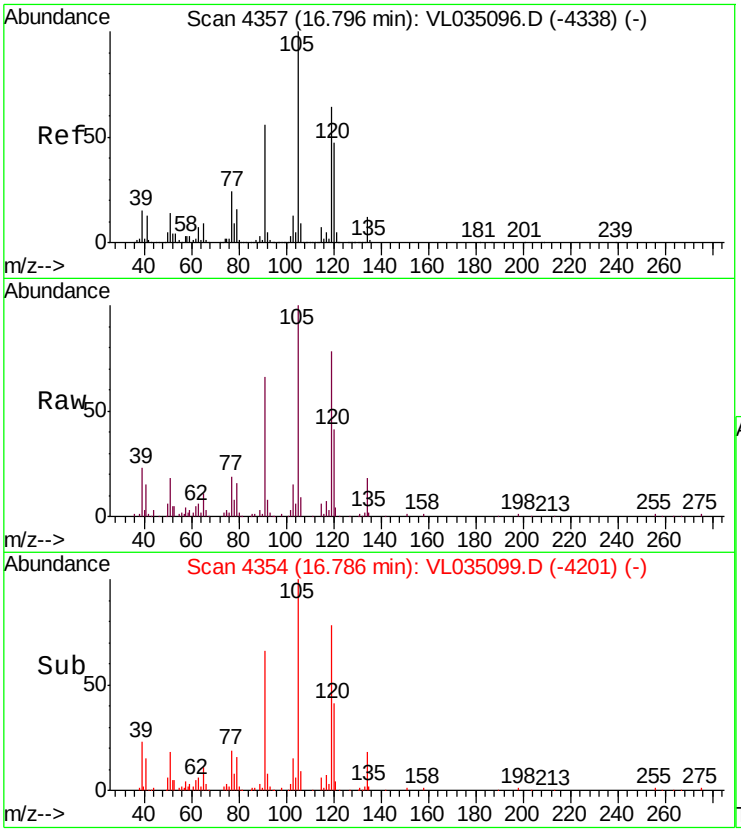


#73
1,3,5-Trimethylbenzene
Concen: 0.412 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:105 Resp: 137491

Ion	Ratio	Lower	Upper
105	100		
120	44.6	37.0	55.6



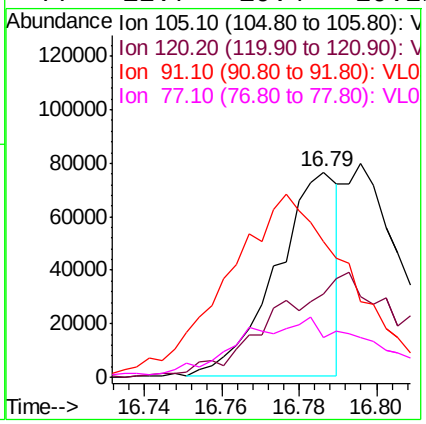


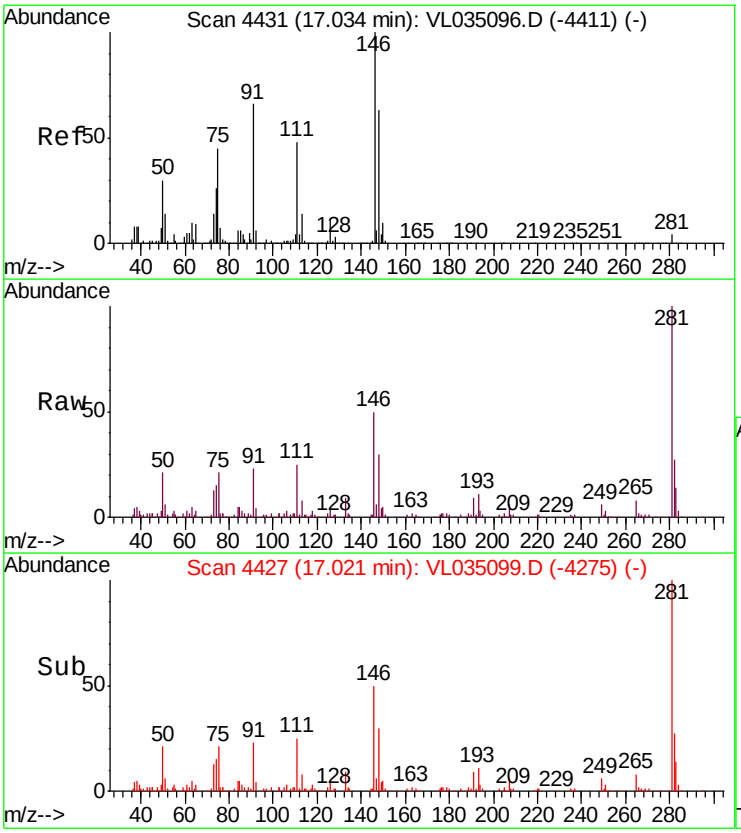
#74
1,2,4-Trimethylbenzene
Concen: 0.232 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:105 Resp: 84642

Ion	Ratio	Lower	Upper
105	100		
120	38.6	37.9	56.9
91	45.1	46.0	69.0#
77	12.7	19.4	29.2#

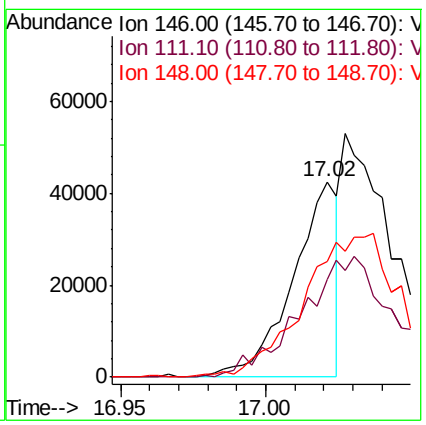


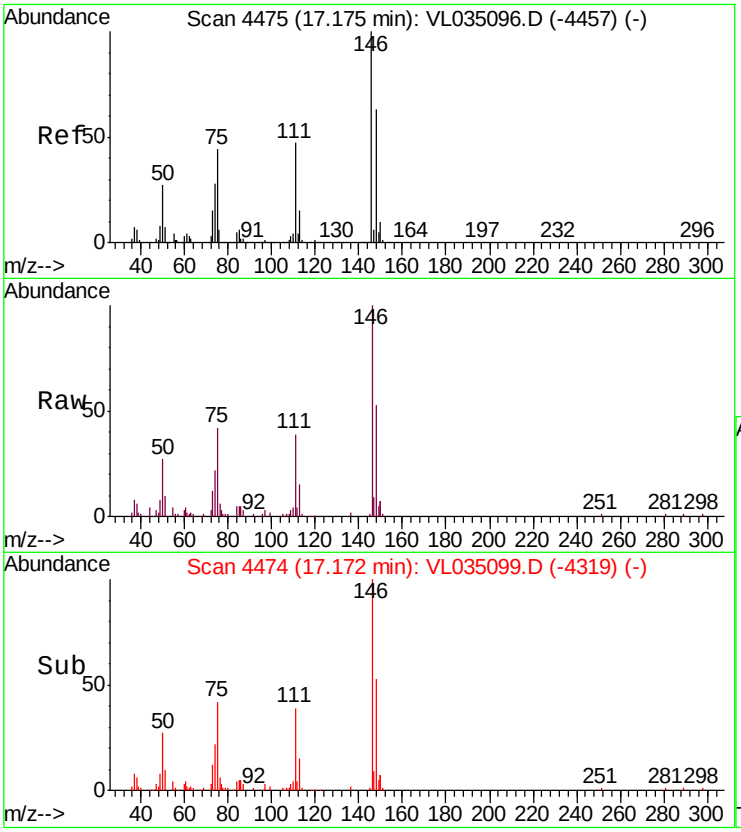


#75
1,3-Dichlorobenzene
Concen: 0.212 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:146 Resp: 45511

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.1	72.4#
148	0.0	32.3	96.8#



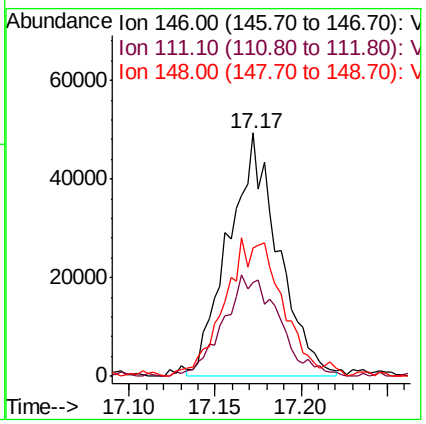


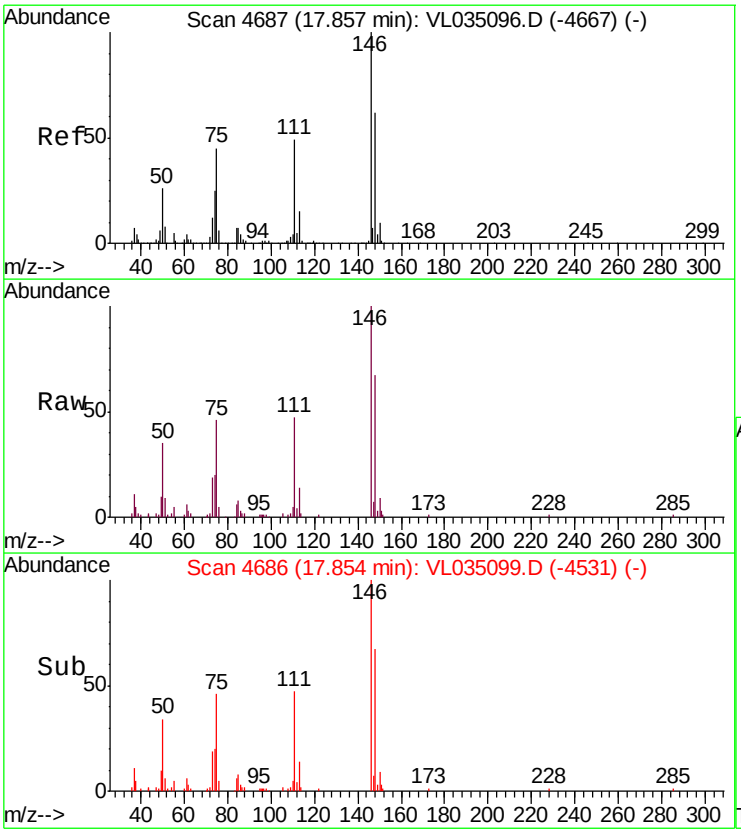
#76
1,4-Dichlorobenzene
Concen: 0.486 ppbv
RT: 17.17 min Scan# 4474
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:146 Resp: 99079

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.5
148	67.8	32.0	96.2

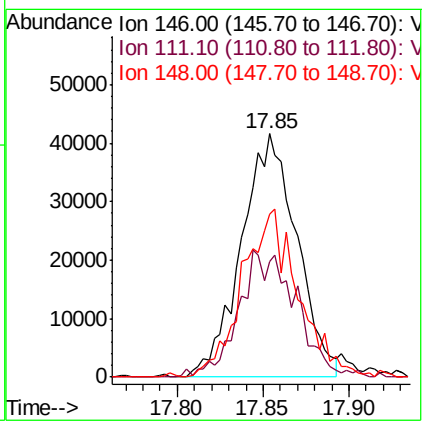


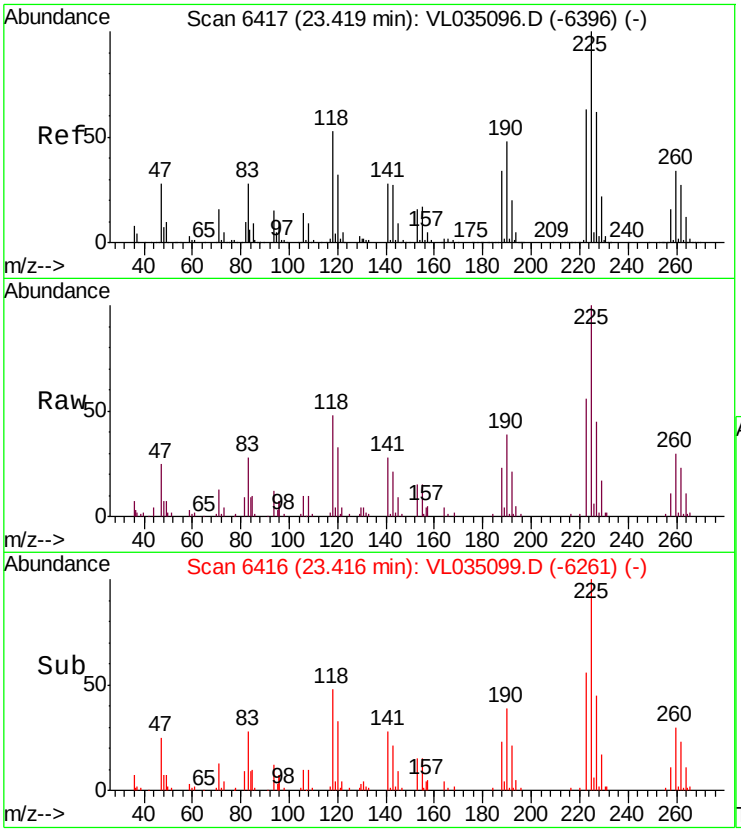


#77
1,2-Dichlorobenzene
Concen: 0.462 ppbv
RT: 17.85 min Scan# 4686
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:146 Resp: 93053

Ion	Ratio	Lower	Upper
146	100		
111	54.0	25.0	75.0
148	70.4	32.3	96.8



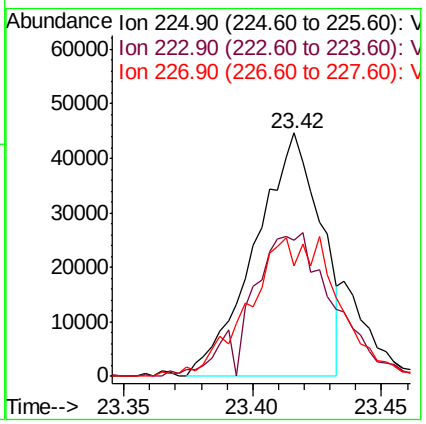


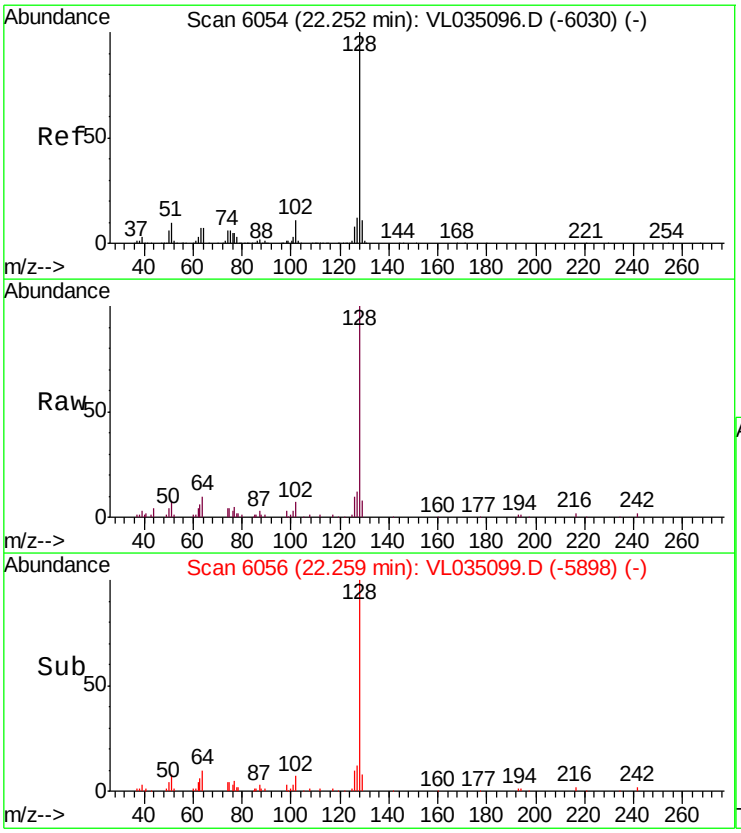
#78
Hexachloro-1,3-Butadiene
Concen: 0.459 ppbv
RT: 23.42 min Scan# 6416
Delta R.T. -0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:225 Resp: 79149

Ion	Ratio	Lower	Upper
225	100		
223	73.9	51.4	77.0
227	0.0	51.8	77.8#

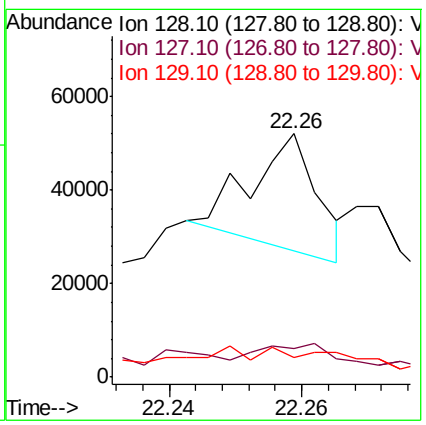


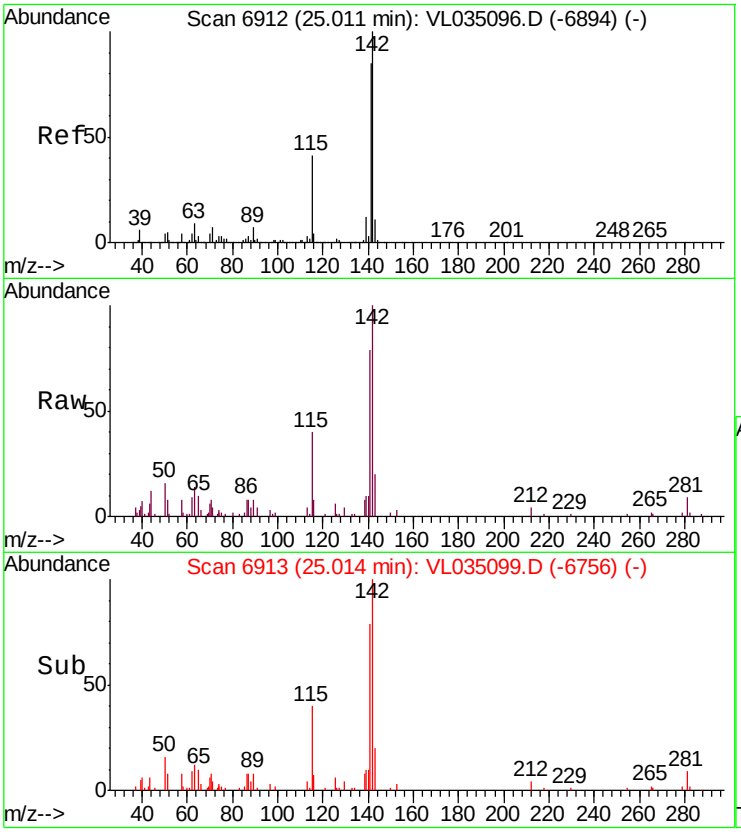


#79
Naphthalene
Concen: 0.058 ppbv
RT: 22.26 min Scan# 6056
Delta R.T. 0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:128 Resp: 16247

Ion	Ratio	Lower	Upper
128	100		
127	11.0	9.9	14.9
129	0.2	9.0	13.4#



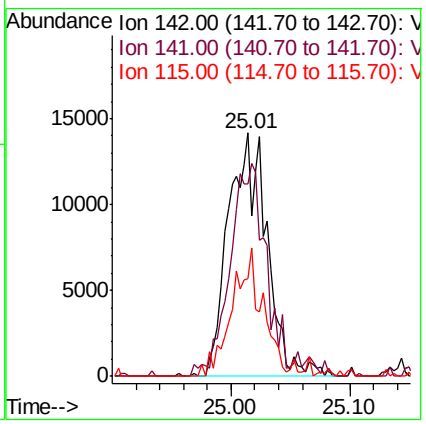


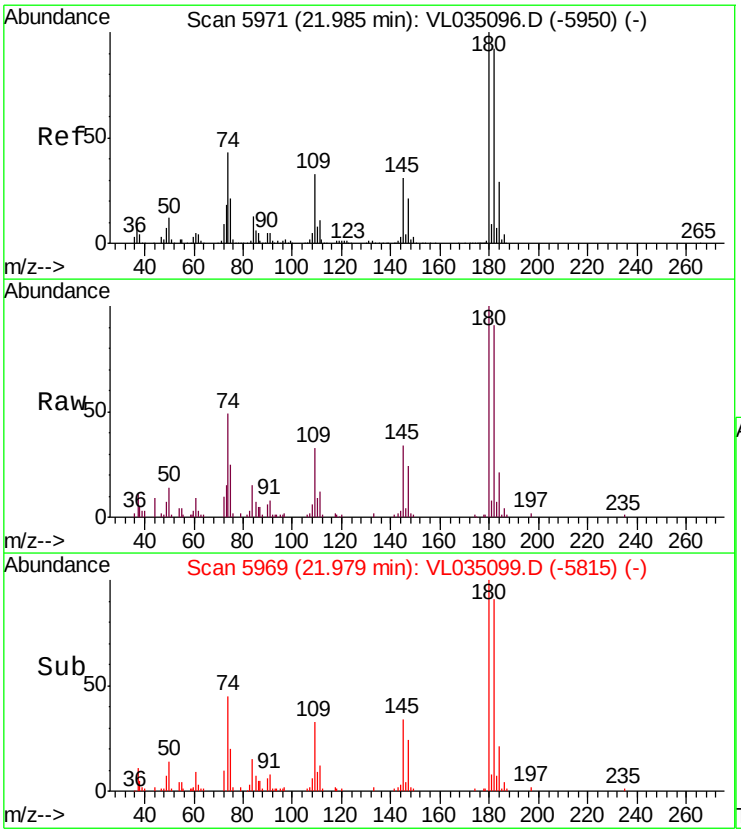
#80
Naphthalene,2-methyl-
Concen: 0.448 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. 0.00 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC0.5

Tgt Ion:142 Resp: 31759

Ion	Ratio	Lower	Upper
142	100		
141	82.6	67.5	101.3
115	43.3	33.8	50.8





#81
1,2,4-Trichlorobenzene
Concen: 0.305 ppbv
RT: 21.98 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL035099.D
Acq: 19 Jun 2020 17:50

Tgt Ion:180 Resp: 52358

Ion	Ratio	Lower	Upper
180	100		
182	163.1	77.9	116.9#
184	44.4	24.6	37.0#