Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080520\

Quantitation Report (Not Reviewed)

Data File : VL035333.D
Acq On : 5 Aug 2020 8:40
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Aug 05 09:30:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Aug 04 12:30:41 2020
QLast Update : Tue Aug 04 12:30:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1438333	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	3615383	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	4379148	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2954640	8.05	ppbv	-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1613507	8.574	ppbv	99
3) Chlorodifluoromethane	2.94	51	1440972	8.717	ppbv	100
4) Chloromethane	3.10	50	824741	8.738	ppbv	99
5) Vinyl Chloride	3.21	62	828437	9.014	ppbv	99
6) Bromomethane	3.43	94	536573	8.876	ppbv	95
7) Chloroethane	3.52	64	315214	8.628	ppbv	99
8) Dichlorotetrafluoroethane	3.14	85	1997435	8.799	ppbv	98
9) Propene	2.96	41	562903	9.424	ppbv	100
10) Heptane	8.13	43	1618250	10.556	ppbv	98
11) Trichlorofluoromethane	3.92	101	2181743	8.876	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1540639	8.992	ppbv	99
13) Ethanol	3.57	45	139433	6.319	ppbv	94
14) Bromoethene	3.70	108	664840	9.423	ppbv	100
15) Acetone	3.82	43	1600547	7.696	ppbv	99
16) 1,3-Butadiene	3.29	39	755706	9.743	ppbv	97
17) tert-Butyl alcohol	4.26	59	1686532	8.903	ppbv	100
18) 1,1-Dichloroethene	4.26	96	704727	9.137	ppbv	92
19) Isopropyl Alcohol	3.93	45	1070175	8.191	ppbv	99
20) Methylene Chloride	4.31	84	636176	6.697	ppbv	97
21) Allyl Chloride	4.38	41	1106048	9.390	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	692415	9.049	ppbv	98
23) Vinyl Acetate	5.06	43	2017003	9.787	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1694615	8.837	ppbv	99
25) Ethyl Acetate	5.66	43	2905668	9.242	ppbv	99
26) Hexane	5.67	57	1300117	9.236	ppbv	98
27) Carbon Disulfide	4.52	76	1829342	9.659	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2003632	9.472	ppbv	100
29) Chloroform	5.74	83	2099490	8.818	ppbv	99
30) Cyclohexane	7.13	84	1094333	10.364	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1264350	9.737	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2087505	9.067	ppbv	99
34) 2-Butanone	5.23	43	1780508	9.354	ppbv	100
35) Carbon Tetrachloride	7.02	117	2243840	9.597	ppbv	99
36) Benzene	6.89	78	2551574	9.626	ppbv	100
37) 1,2-Dichloroethane	6.30	62	1614532	8.992	ppbv	100
38) Trichloroethene	7.84	130	1125944	11.560	ppbv	99
39) 1,2-Dichloropropane	7.62	63	978442	9.367	ppbv	100
40) 1,4-Dioxane	7.83	88	424581	9.358	ppbv #	96
41) Tetrahydrofuran	6.04	42	956109	10.183	ppbv	99
42) Bromodichloromethane	7.80	83	2273366	9.280	ppbv	99
43) Methyl Methacrylate	8.02	69	1153980	10.420	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080520\

Quantitation Report (Not Reviewed)

Data File : VL035333.D
Acq On : 5 Aug 2020 8:40
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Aug 05 09:30:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Aug 04 12:30:41 2020
QLast Update : Tue Aug 04 12:30:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4410883	9.714	ppbv		100
45) t-1,3-Dichloropropene	9.29	75	1313896	11.115	ppbv		98
46) cis-1,3-Dichloropropene	8.72	75	1542001	10.895	ppbv		99
47) 1,1,2-Trichloroethane	9.49	97	1136771	9.376	ppbv		98
48) Dibromochloromethane	10.33	129	1997307	10.125	ppbv		99
49) Bromoform	13.07	173	1863037	10.842	ppbv		100
50) 4-Methyl-2-Pentanone	8.75	43	2799429	10.413	ppbv		100
51) 2-Hexanone	10.15	43	2289233	11.006	ppbv	#	98
52) Tetrachloroethene	11.25	164	985061	10.549	ppbv		95
53) Toluene	9.83	91	3079613	11.049	ppbv		99
54) 1,2-Dibromoethane	10.64	107	1724682	9.610	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1556772	7.575	ppbv		96
57) Chlorobenzene	12.18	112	2485729	7.417	ppbv		99
58) Ethyl Benzene	12.74	91	4168248	8.688	ppbv		96
59) m/p-Xylene	13.03	91	4232010	9.559	ppbv	#	47
60) o-Xylene	13.72	91	3586666	8.195	ppbv		98
61) Styrene	13.56	104	2560652	9.516	ppbv		99
62) Isopropylbenzene	14.70	105	5327584	8.069	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2618876	7.628	ppbv		99
64) n-propylbenzene	15.60	120	1452596	8.410	ppbv		94
65) tert-Butylbenzene	16.78	119	4885556	8.263	ppbv		99
66) Benzyl Chloride	17.03	91	2004141	8.768	ppbv		100
67) sec-Butylbenzene	17.33	105	6757952	8.085	ppbv		99
69) p-Isopropyltoluene	17.69	119	5782584	8.362	ppbv		99
70) n-Butylbenzene	18.59	91	5983241	8.042	ppbv		99
71) 2-Chlorotoluene	15.49	91	4132729	8.387	ppbv		99
72) 4-Ethyltoluene	15.88	105	4347768	8.804	ppbv		99
73) 1,3,5-Trimethylbenzene	16.03	105	4093055	8.461	ppbv		98
74) 1,2,4-Trimethylbenzene	16.80	105	4338882	7.823	ppbv		97
75) 1,3-Dichlorobenzene	17.04	146	2601164	7.540	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	2582365	7.907	ppbv		99
77) 1,2-Dichlorobenzene	17.86	146	2515860	7.907	ppbv		100
78) Hexachloro-1,3-Butadiene	23.42	225	1963448	7.600	ppbv		98
79) Naphthalene	22.26	128	4103977	9.349	ppbv		98
80) Naphthalene,2-methyl-	25.01	142	1479573	11.479	ppbv		99
81) 1,2,4-Trichlorobenzene	21.98	180	2304480	8.630	ppbv		100

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

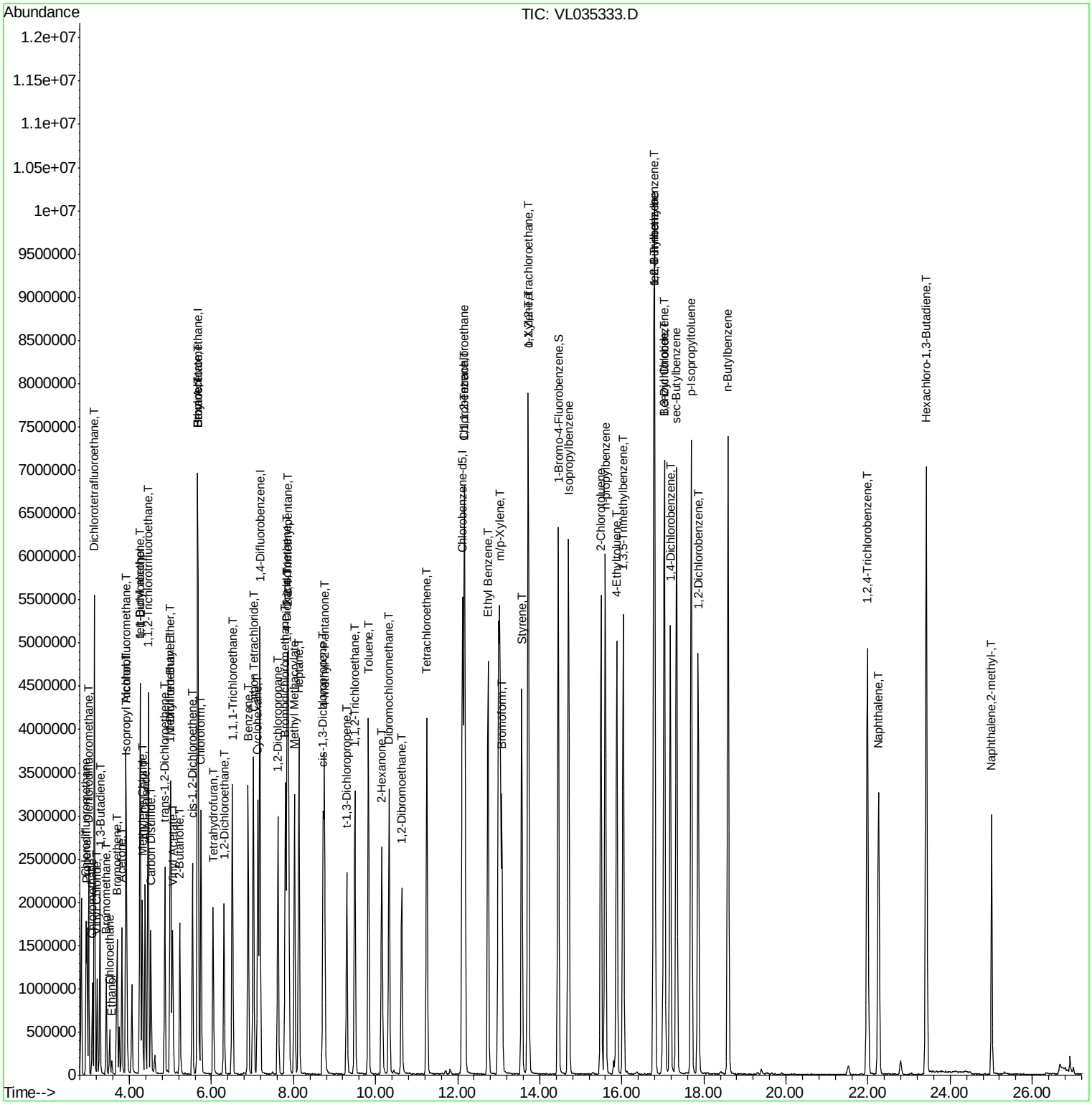
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080520\

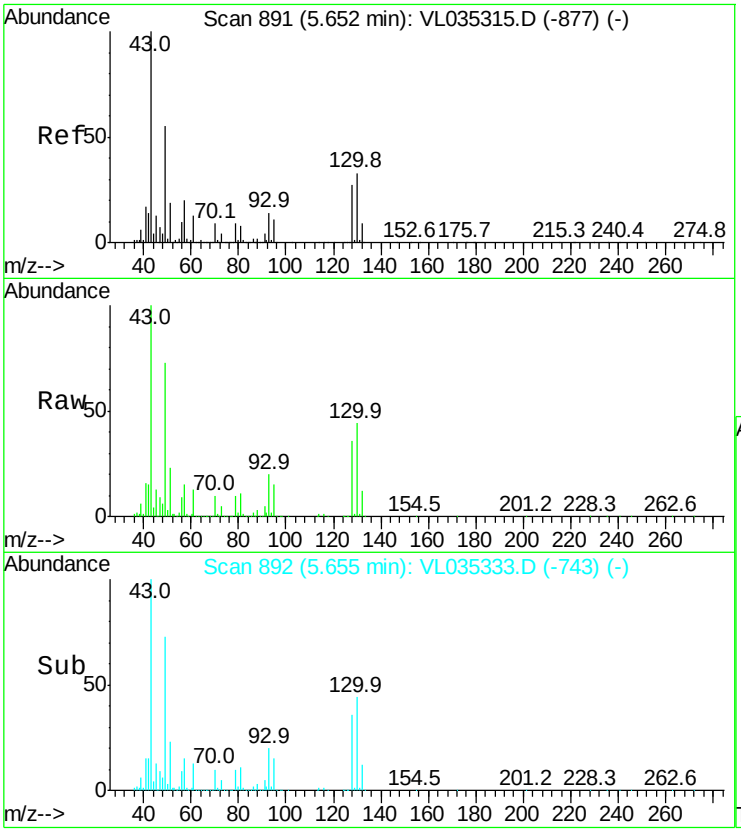
Quantitation Report (Not Reviewed)

Data File : VL035333.D
Acq On : 5 Aug 2020 8:40
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Aug 05 09:30:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Aug 04 12:30:41 2020
QLast Update : Tue Aug 04 12:30:41 2020
Response via : Initial Calibration



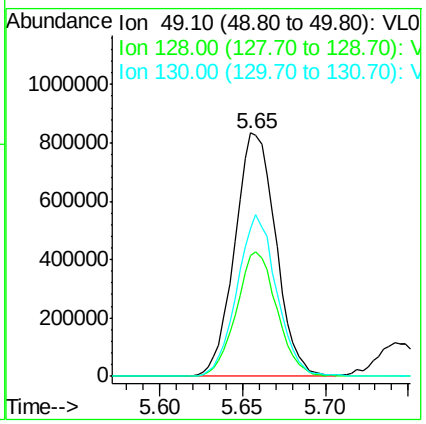


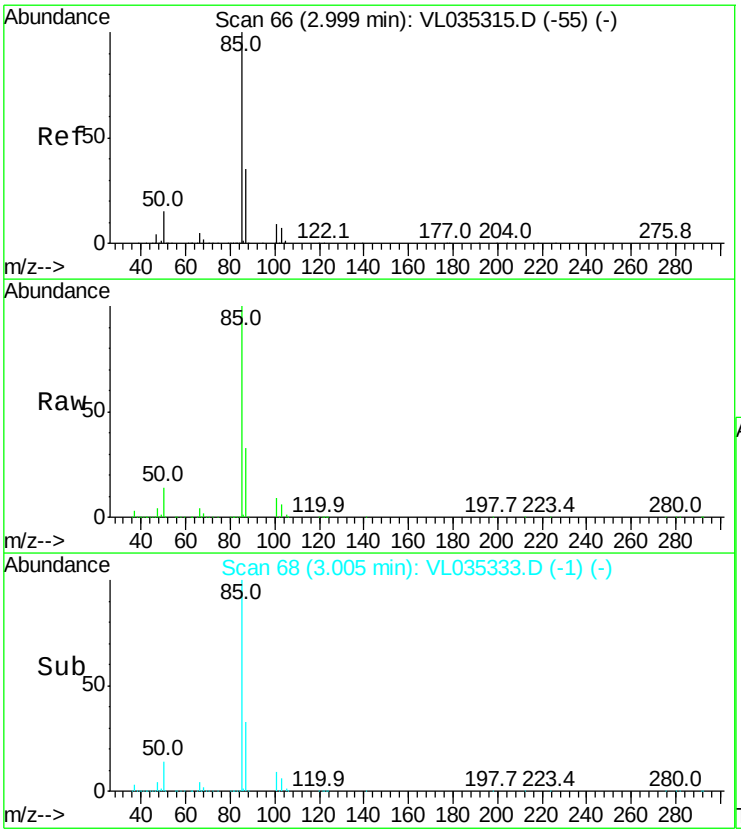
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1438333

Ion	Ratio	Lower	Upper
49	100		
128	50.7	25.3	75.9
130	64.2	32.5	97.4

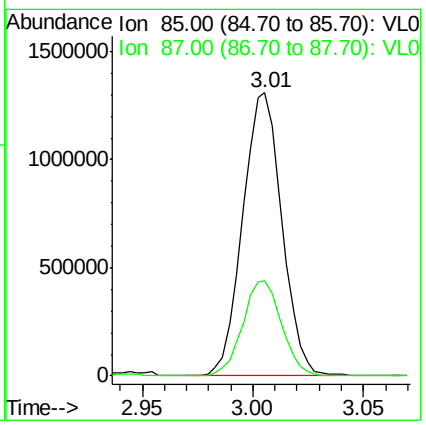


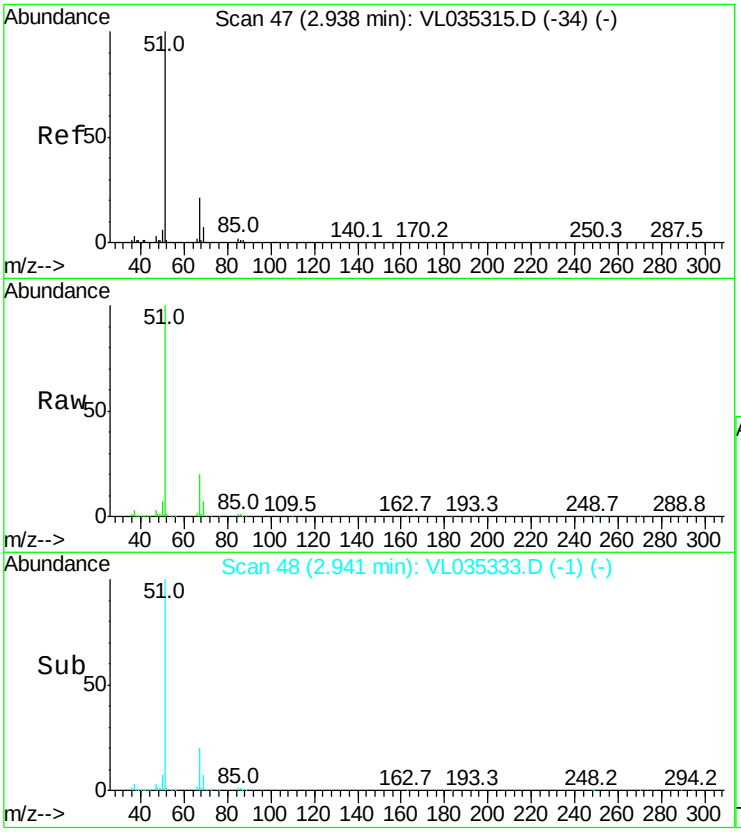


#2
Dichlorodifluoromethane
Concen: 8.574 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 85 Resp: 1613507

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.1	39.1



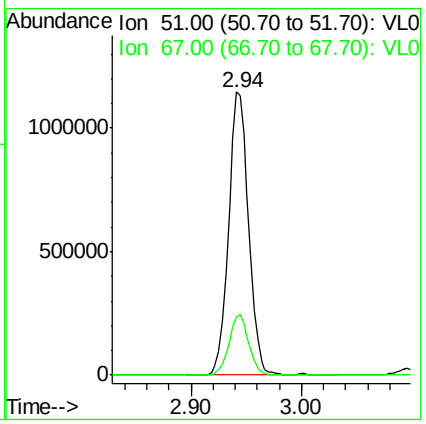


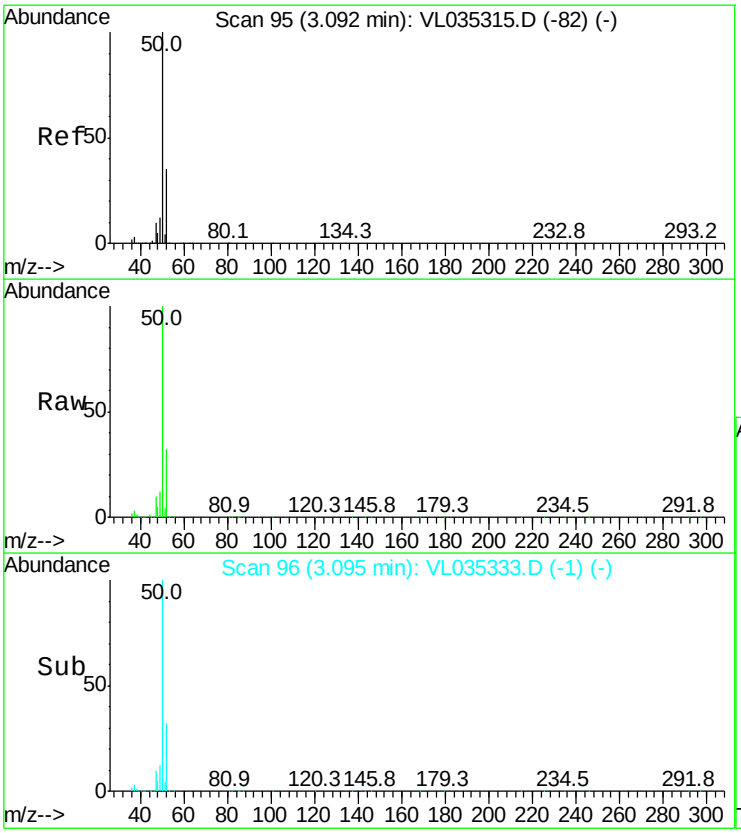
#3
Chlorodifluoromethane
Concen: 8.717 ppbv
RT: 2.94 min Scan# 48
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 51 Resp: 1440972

Ion	Ratio	Lower	Upper
51	100		
67	20.8	16.7	25.1

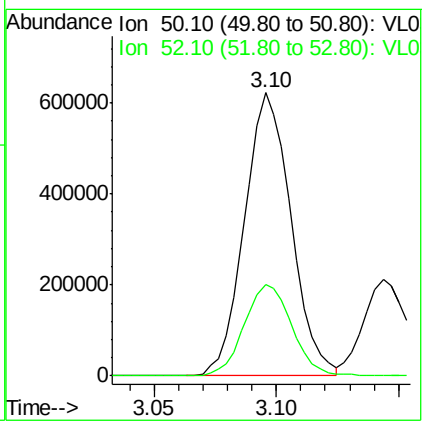


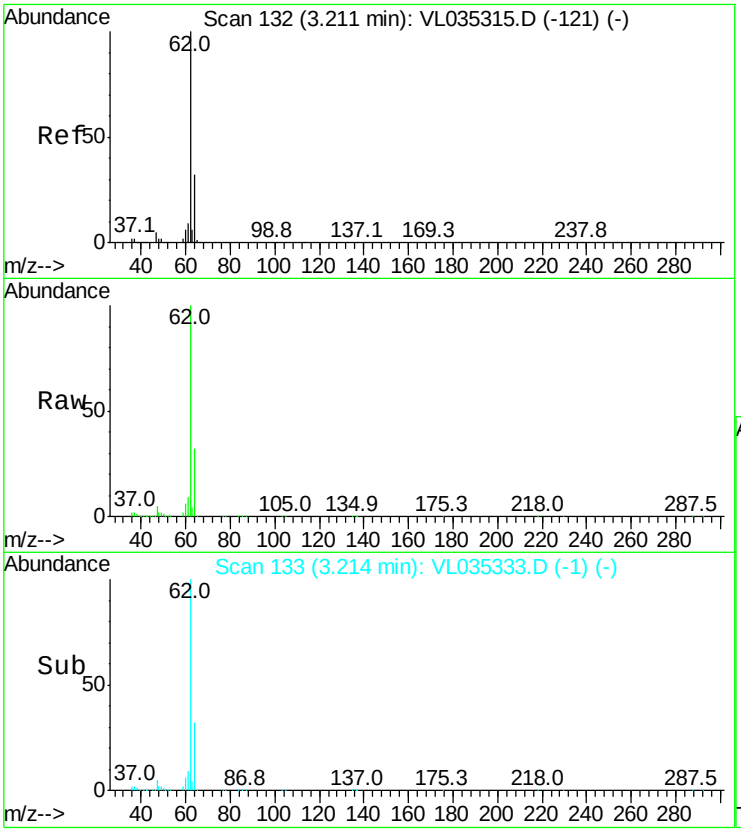


#4
Chloromethane
Concen: 8.738 ppbv
RT: 3.10 min Scan# 96
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 50 Resp: 824741

Ion	Ratio	Lower	Upper
50	100		
52	32.5	26.3	39.5



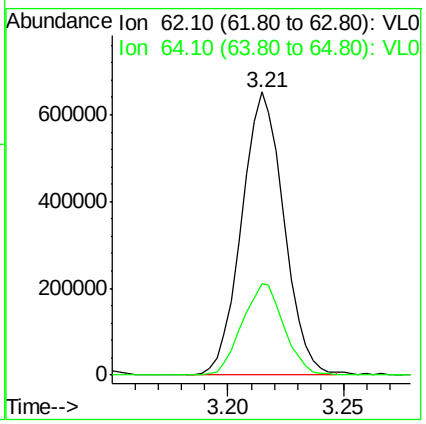


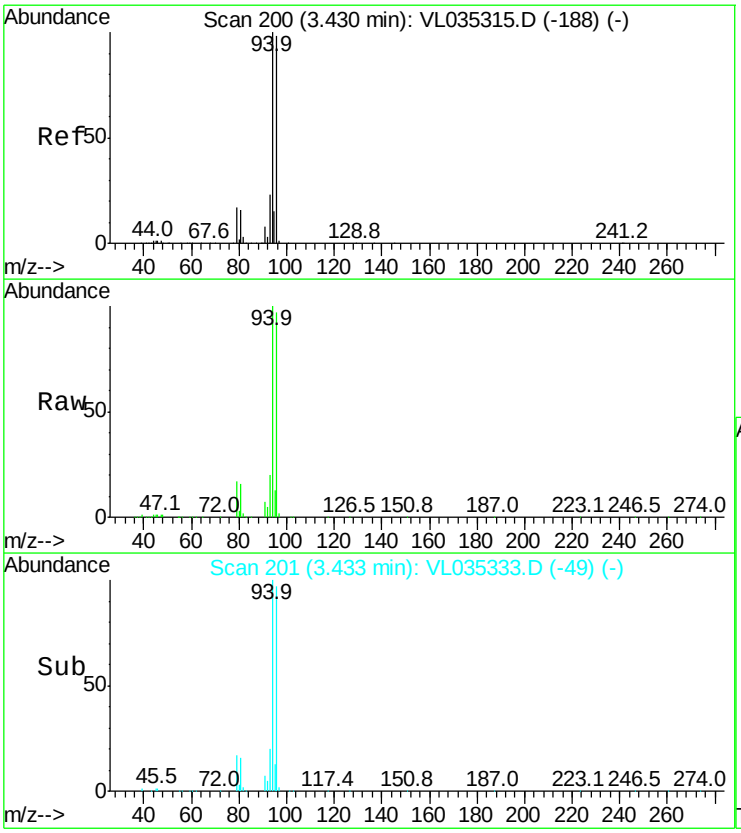
#5
Vinyl Chloride
Concen: 9.014 ppbv
RT: 3.21 min Scan# 133
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 828437

Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.3	37.9

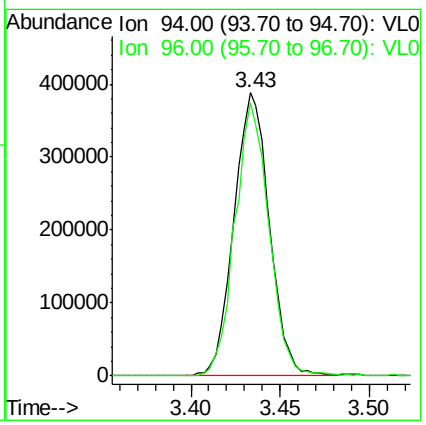


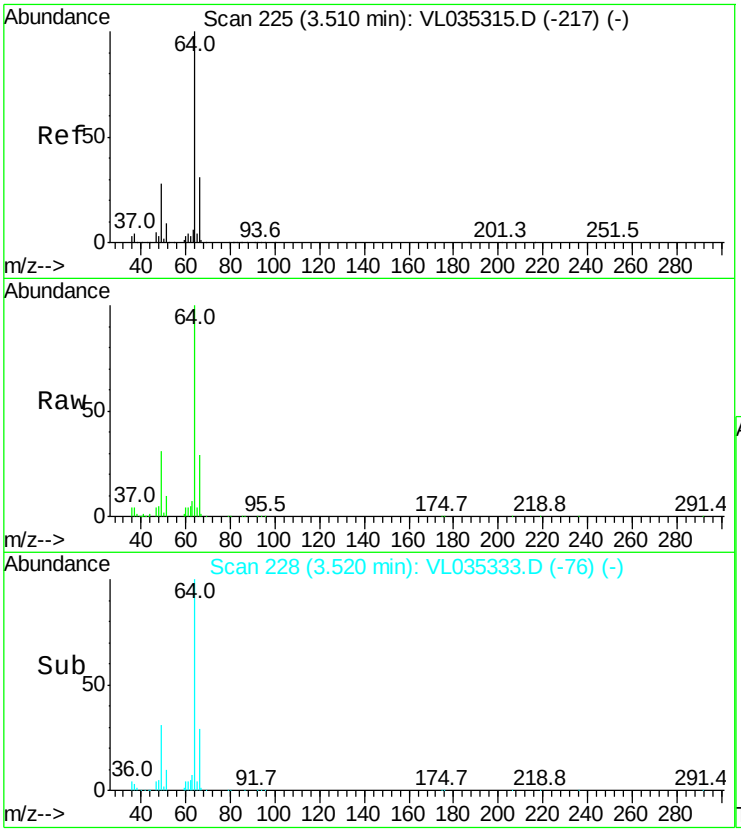


#6
Bromomethane
Concen: 8.876 ppbv
RT: 3.43 min Scan# 201
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 94 Resp: 536573

Ion	Ratio	Lower	Upper
94	100		
96	96.6	73.8	110.6



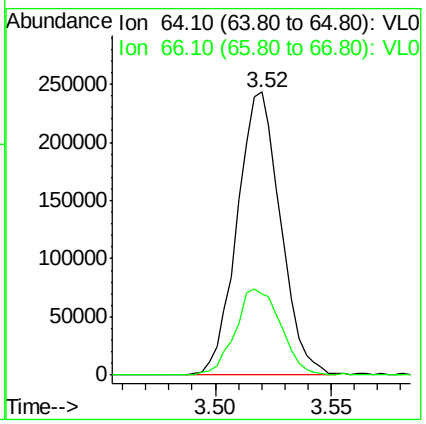


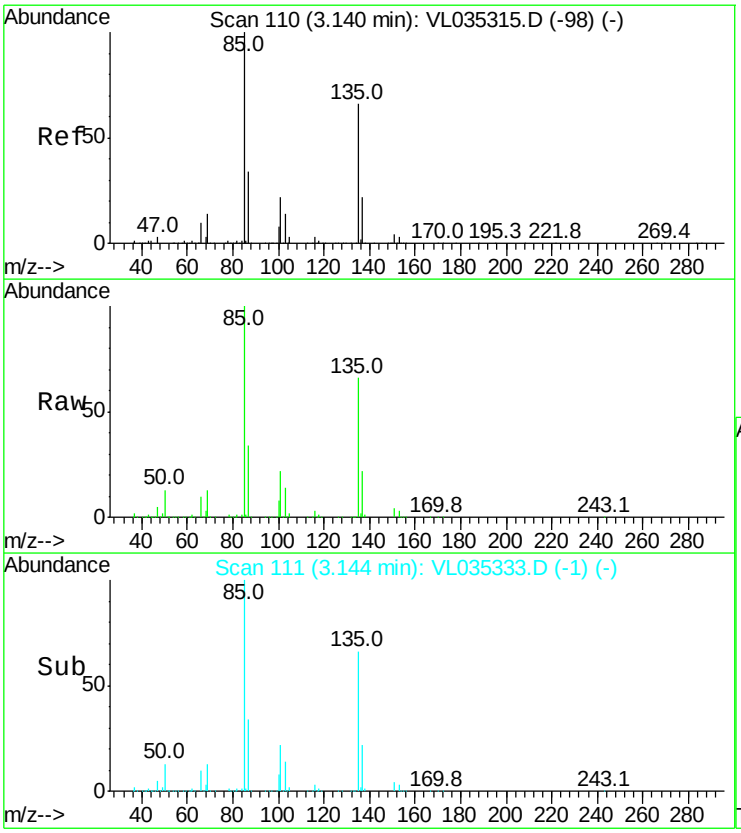
#7
Chloroethane
Concen: 8.628 ppbv
RT: 3.52 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 315214

Ion	Ratio	Lower	Upper
64	100		
66	28.8	23.4	35.0

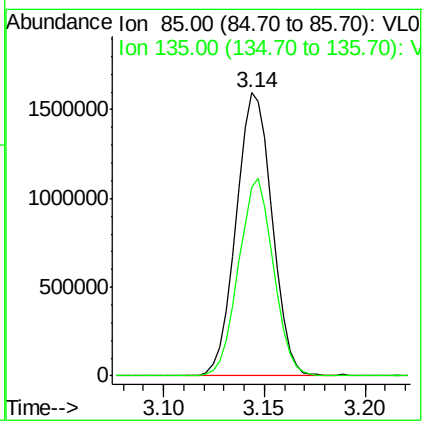


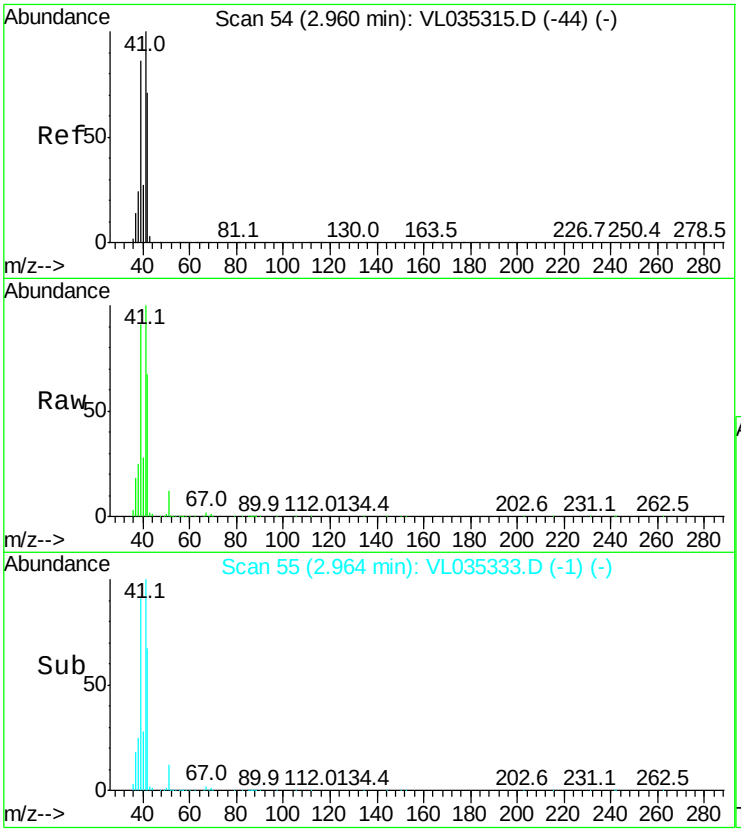


#8
Dichlorotetrafluoroethane
Concen: 8.799 ppbv
RT: 3.14 min Scan# 111
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 85 Resp: 1997435

Ion	Ratio	Lower	Upper
85	100		
135	68.1	53.1	79.7



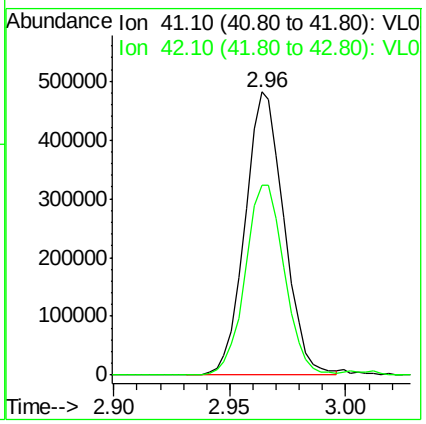


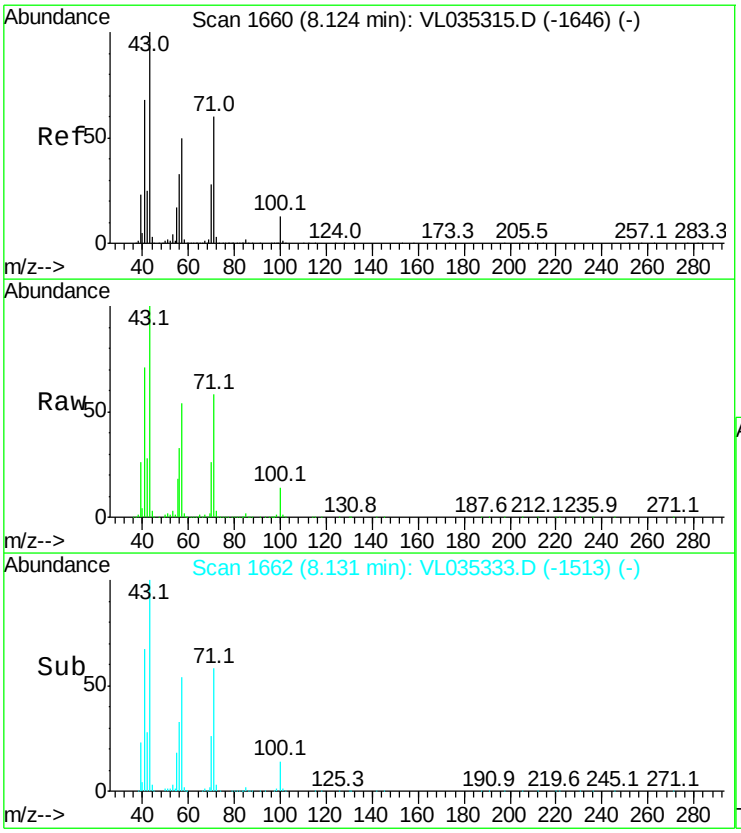
#9
Propene
Concen: 9.424 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 562903

Ion	Ratio	Lower	Upper
41	100		
42	69.1	55.0	82.6

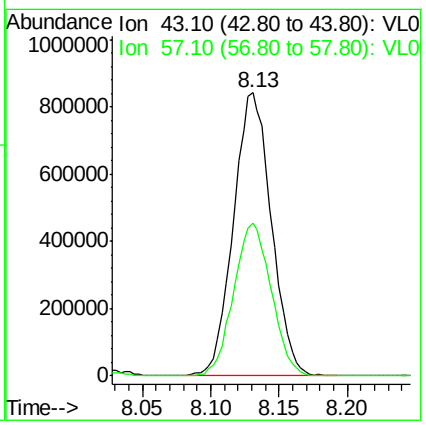


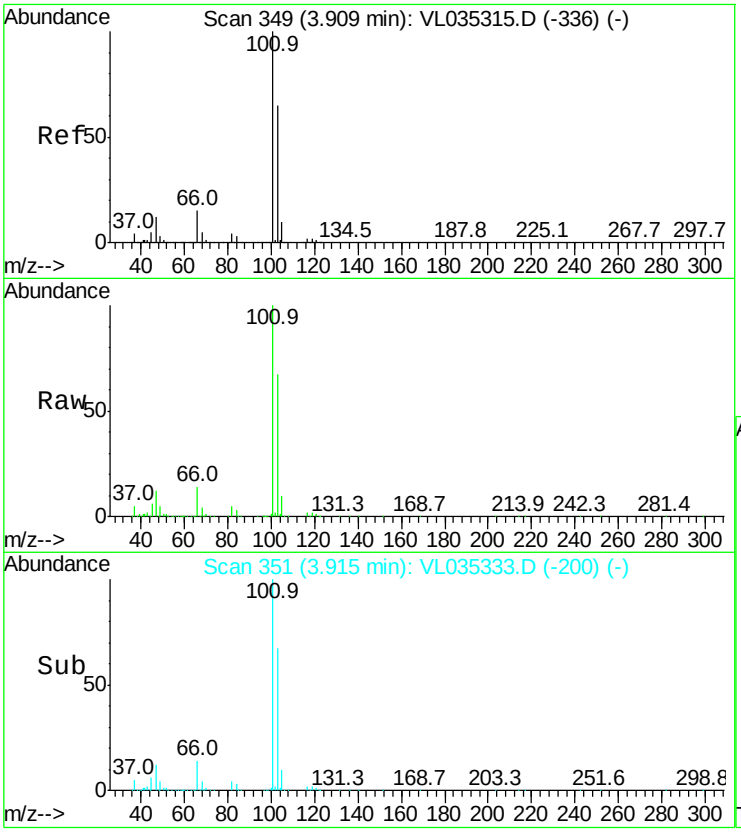


#10
Heptane
Concen: 10.556 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 43 Resp: 1618250

Ion	Ratio	Lower	Upper
43	100		
57	53.8	41.8	62.6



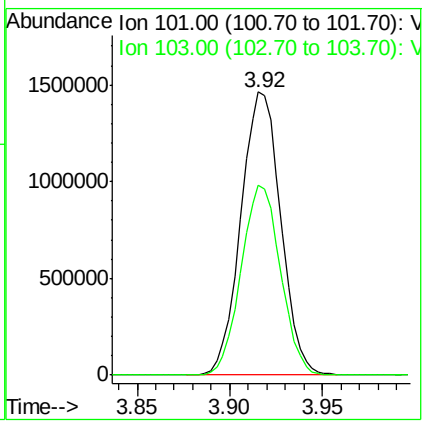


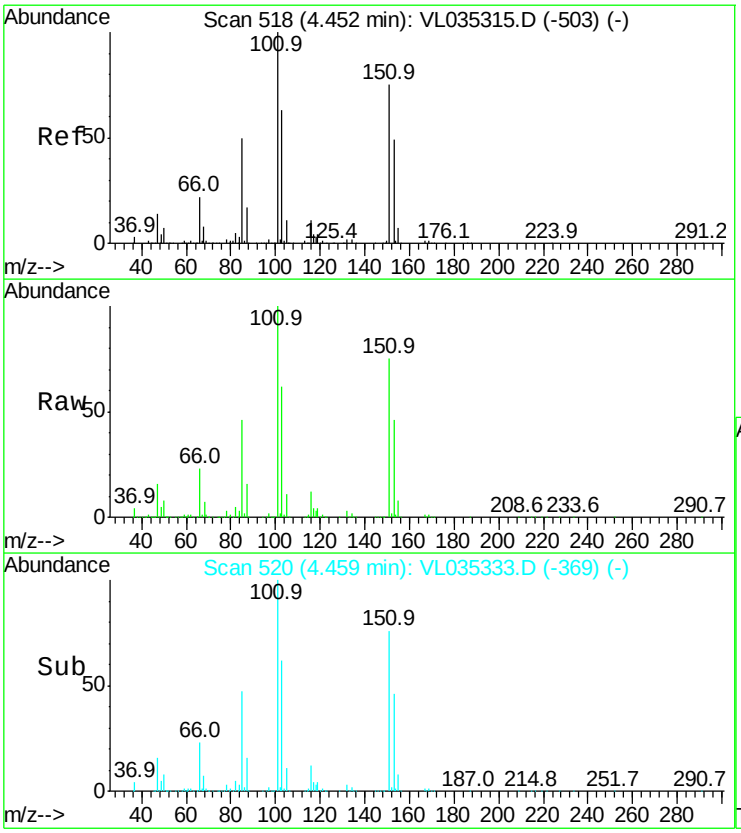
#11
Trichlorofluoromethane
Concen: 8.876 ppbv
RT: 3.92 min Scan# 351
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2181743

Ion	Ratio	Lower	Upper
101	100		
103	67.3	51.8	77.8

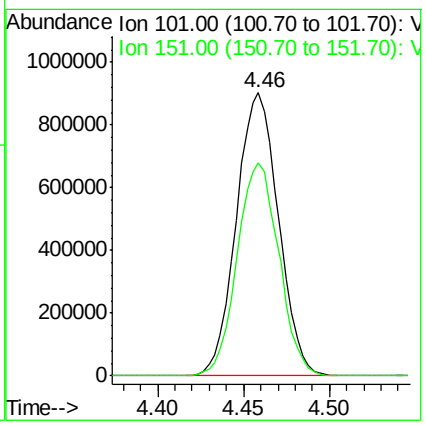


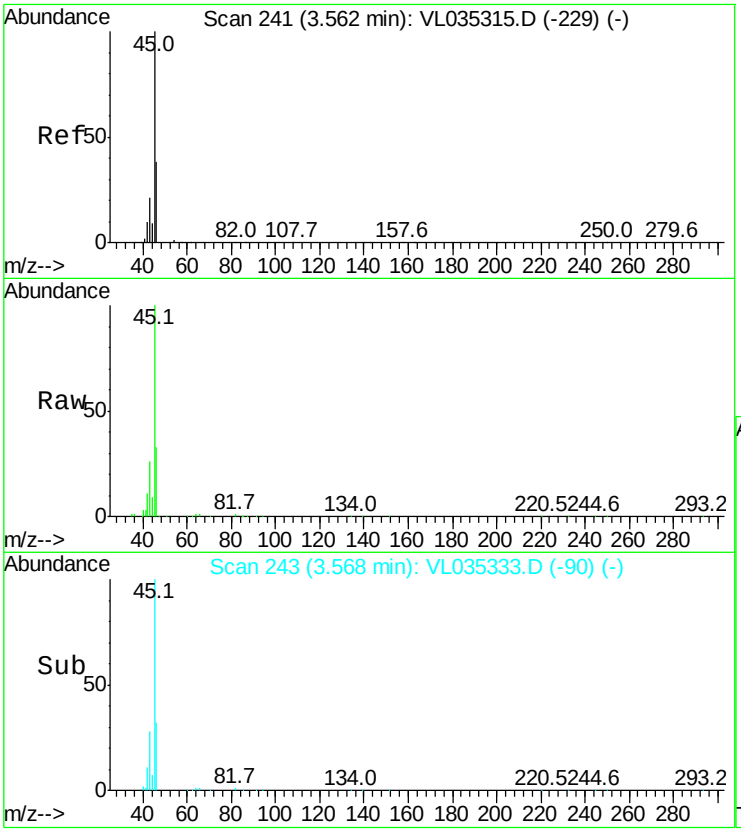


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.992 ppbv
RT: 4.46 min Scan# 520
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:101 Resp: 1540639

Ion	Ratio	Lower	Upper
101	100		
151	74.4	58.8	88.2



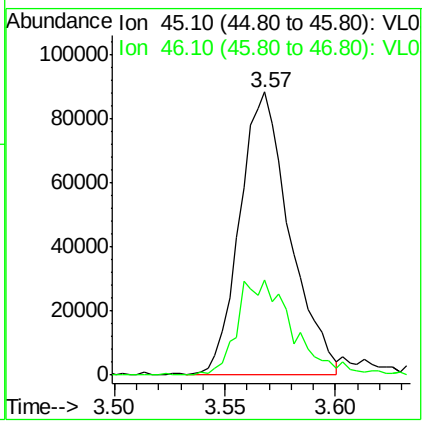


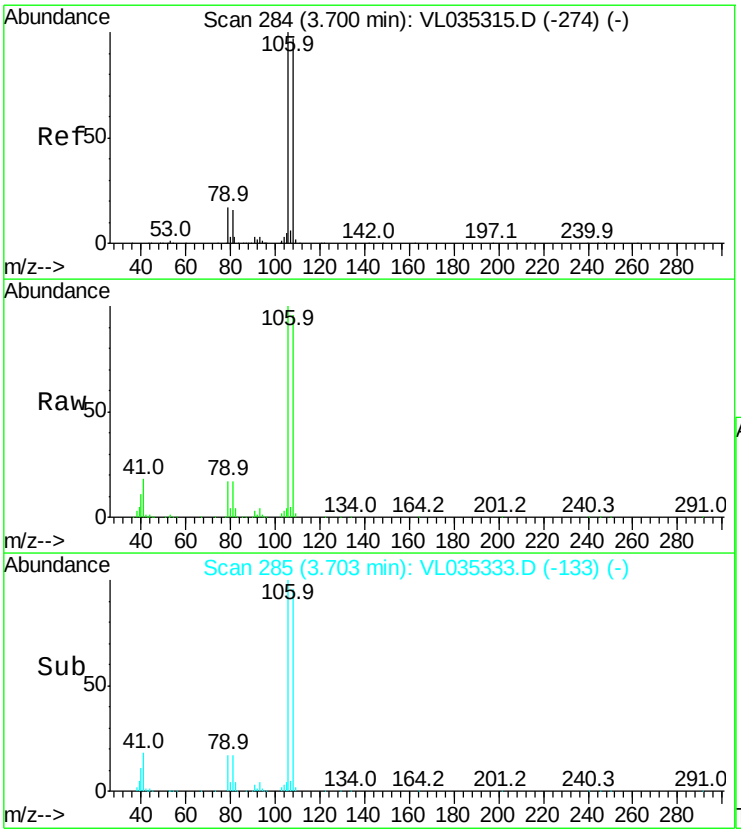
#13
Ethanol
Concen: 6.319 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 139433

Ion	Ratio	Lower	Upper
45	100		
46	38.1	13.8	55.2

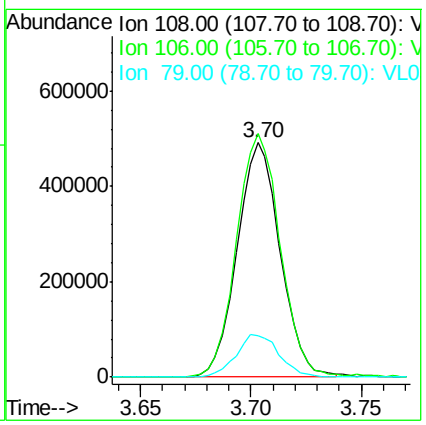


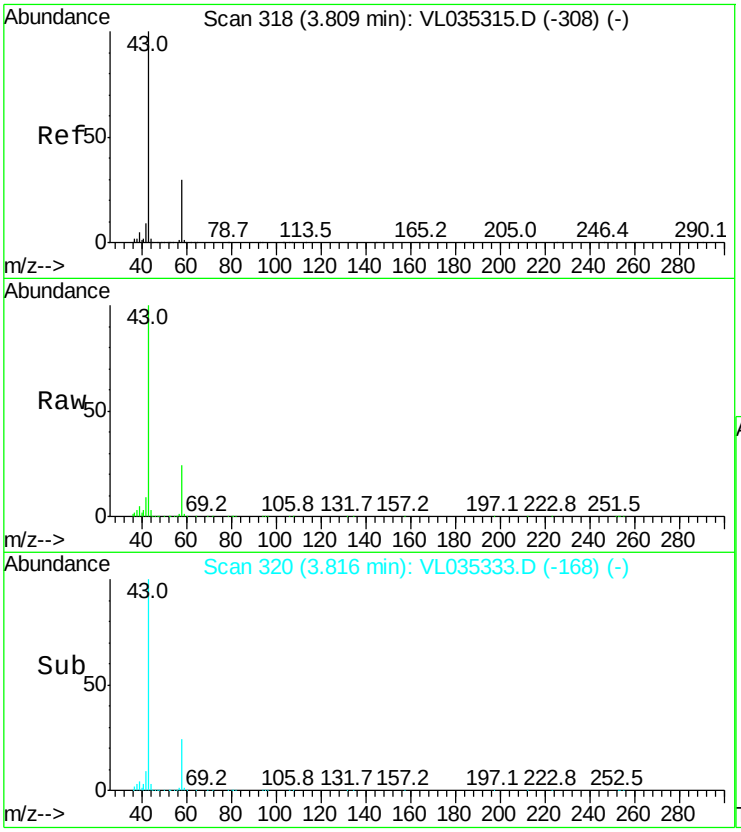


#14
Bromoethene
Concen: 9.423 ppbv
RT: 3.70 min Scan# 285
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:108 Resp: 664840

Ion	Ratio	Lower	Upper
108	100		
106	106.3	84.7	127.1
79	18.8	14.7	22.1



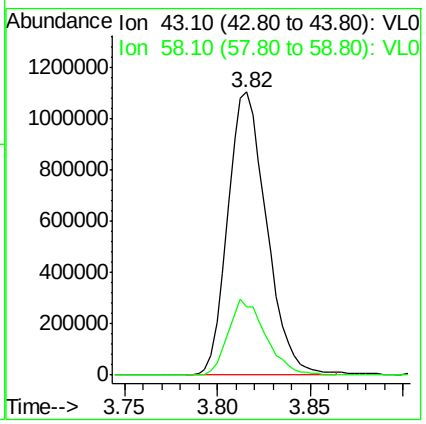


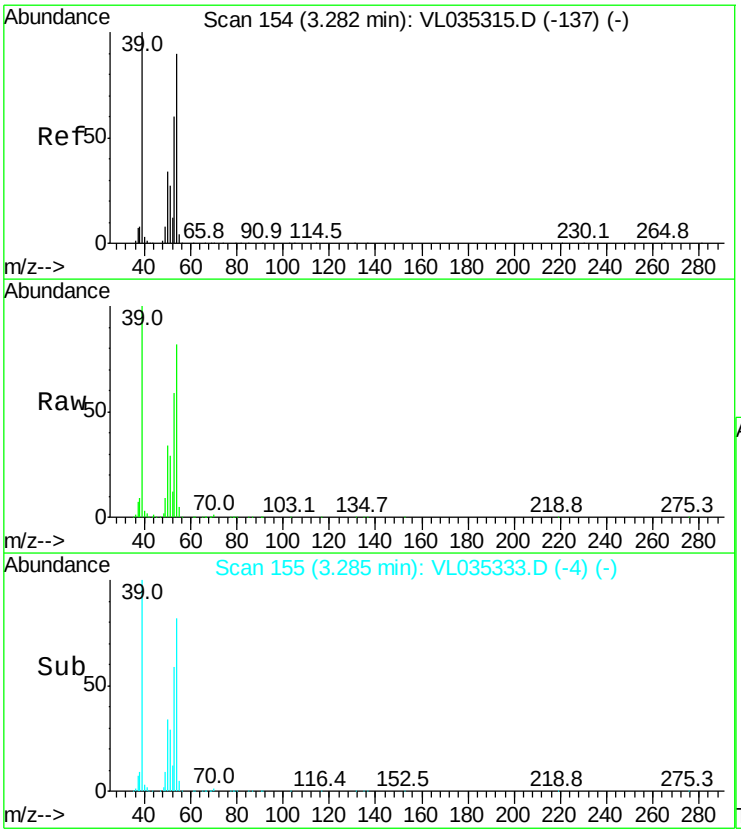
#15
Acetone
Concen: 7.696 ppbv
RT: 3.82 min Scan# 320
Delta R.T. -0.01 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1600547

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.7	31.1

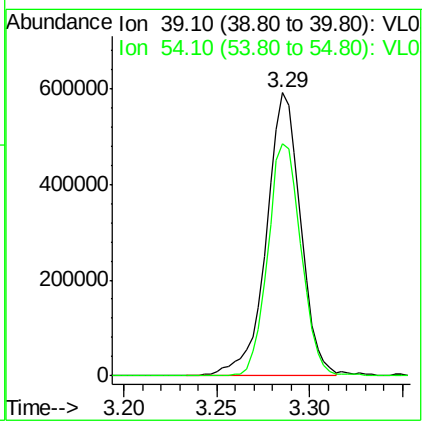


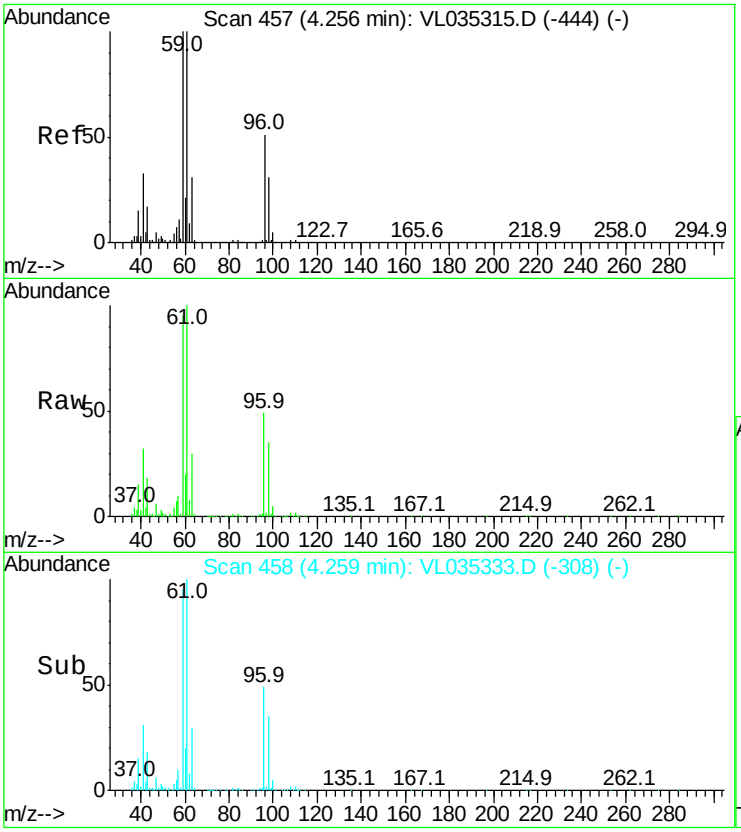


#16
1,3-Butadiene
Concen: 9.743 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 39 Resp: 755706

Ion	Ratio	Lower	Upper
39	100		
54	80.5	66.7	100.1



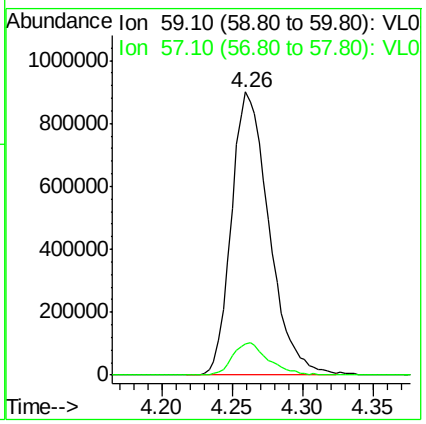


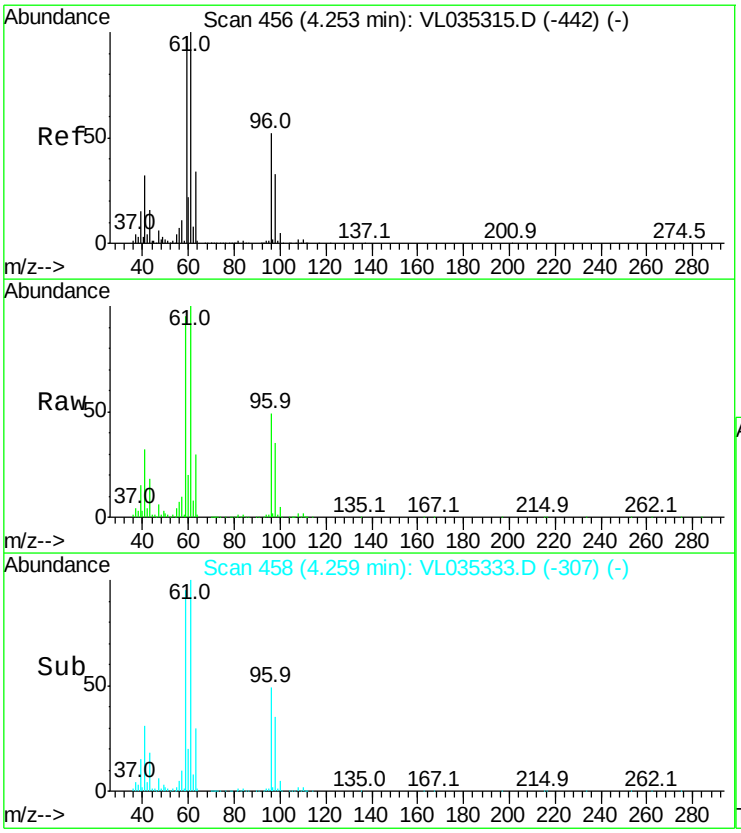
#17
tert-Butyl alcohol
Concen: 8.903 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1686532

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.8	13.2

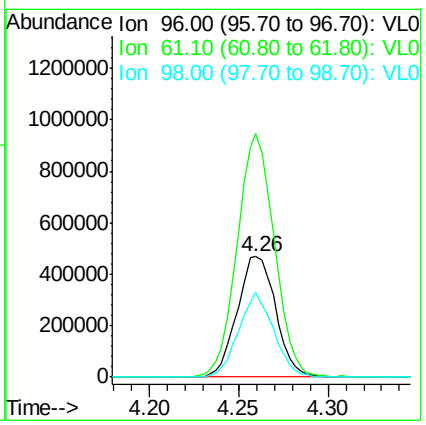


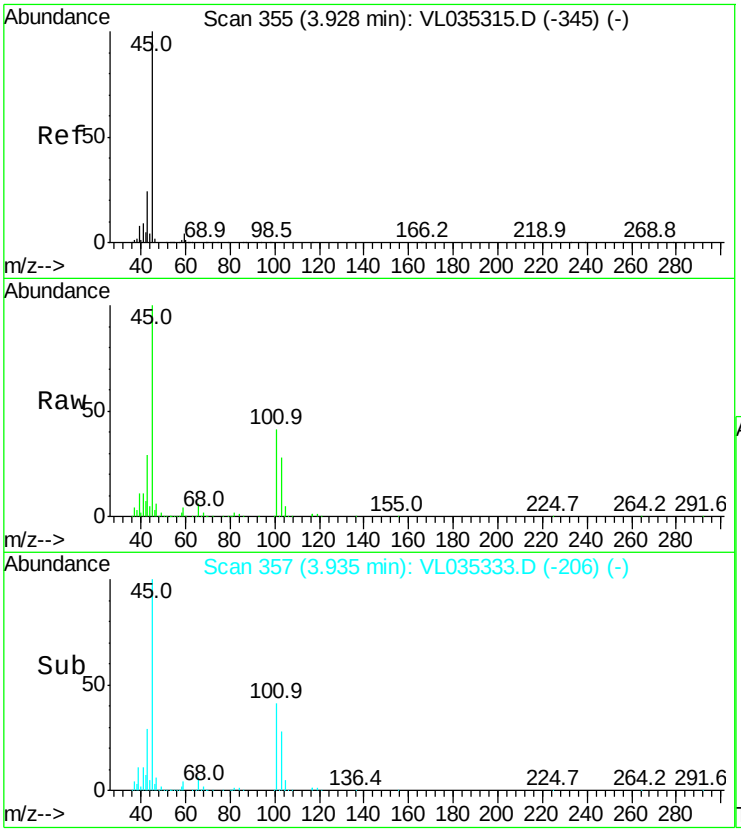


#18
1,1-Dichloroethene
Concen: 9.137 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 96 Resp: 704727

Ion	Ratio	Lower	Upper
96	100		
61	201.8	152.9	229.3
98	70.0	49.6	74.4



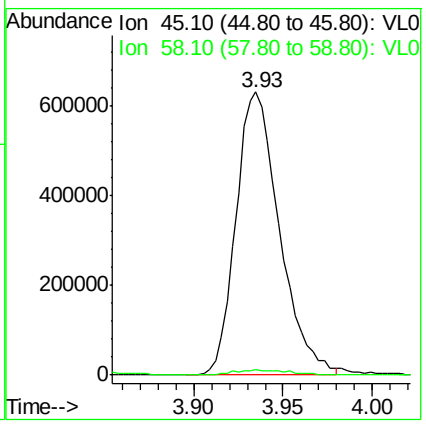


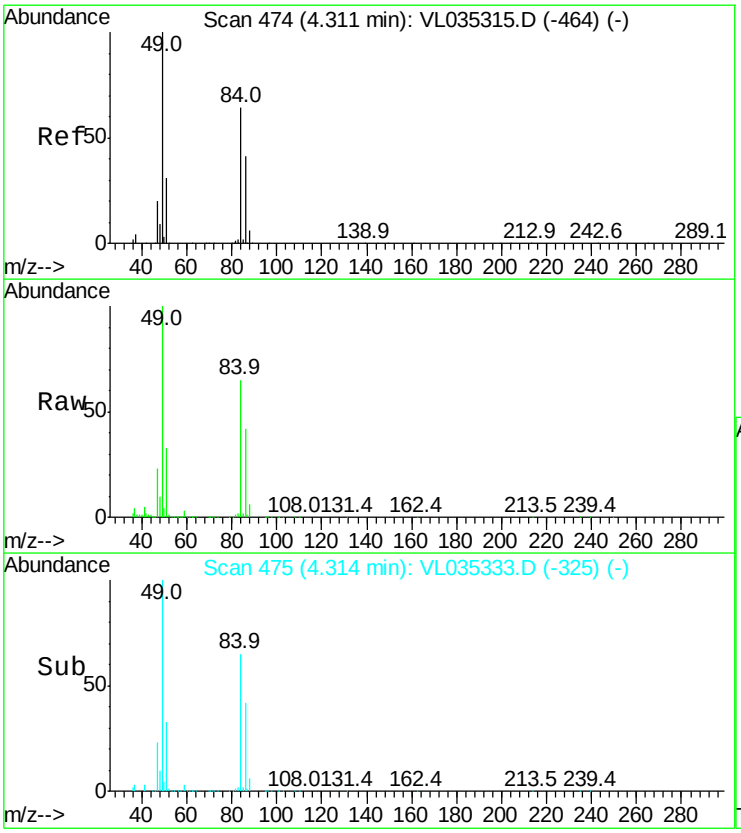
#19
Isopropyl Alcohol
Concen: 8.191 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 1070175

Ion	Ratio	Lower	Upper
45	100		
58	2.4	2.2	3.2

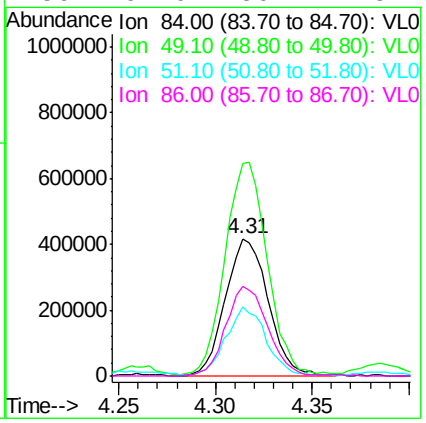


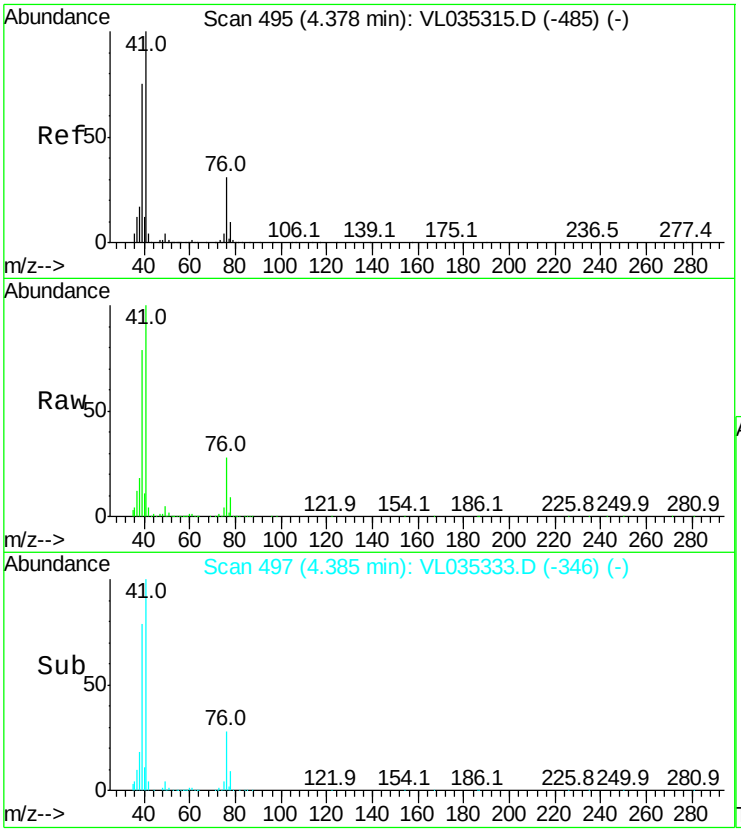


#20
Methylene Chloride
Concen: 6.697 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 84 Resp: 636176

Ion	Ratio	Lower	Upper
84	100		
49	153.5	121.4	182.0
51	50.1	36.1	54.1
86	64.6	50.2	75.2



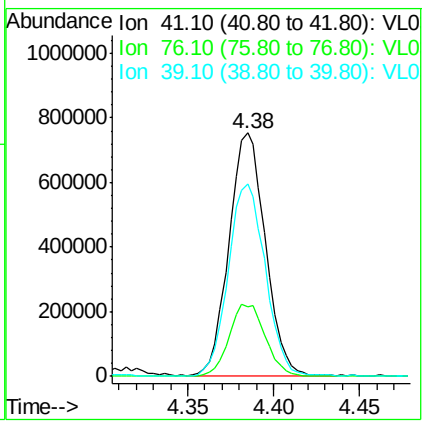


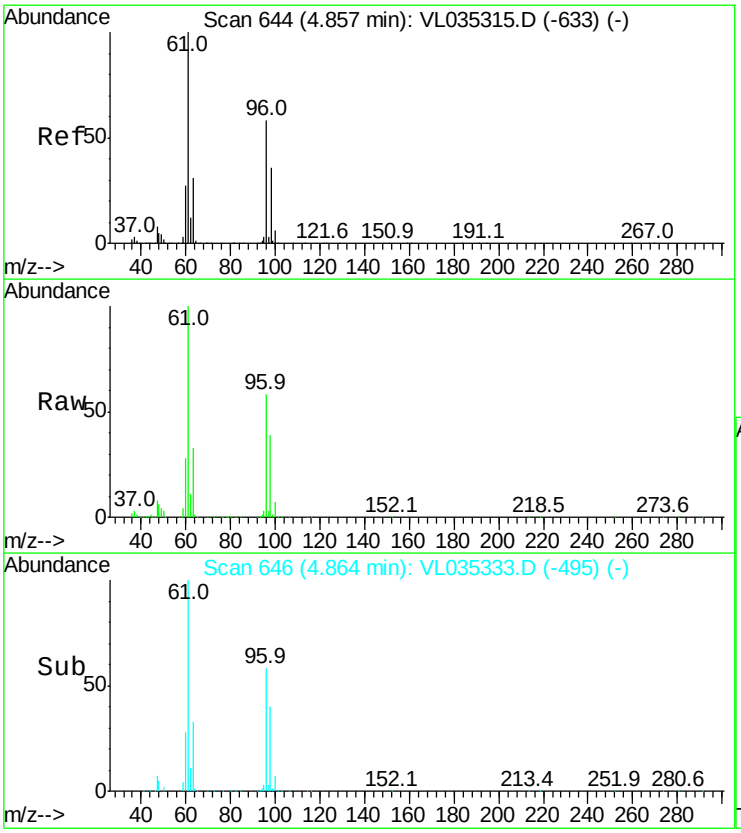
#21
Allyl Chloride
Concen: 9.390 ppbv
RT: 4.38 min Scan# 497
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 41 Resp: 1106048

Ion	Ratio	Lower	Upper
41	100		
76	29.7	23.9	35.9
39	81.3	64.2	96.2

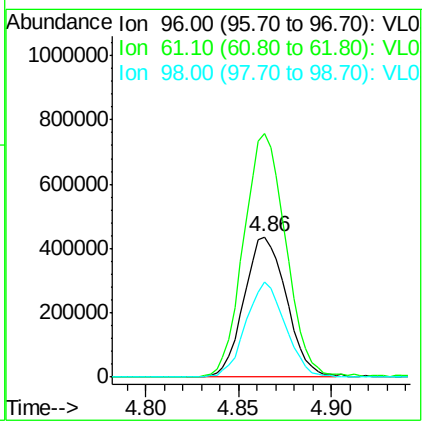


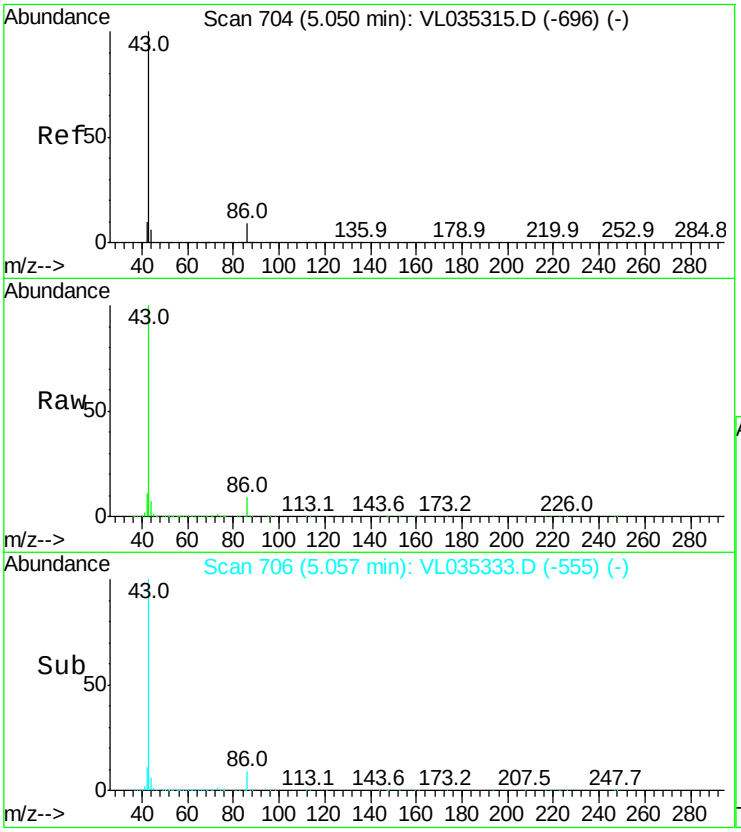


#22
trans-1,2-Dichloroethene
Concen: 9.049 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 96 Resp: 692415

Ion	Ratio	Lower	Upper
96	100		
61	173.1	138.4	207.6
98	67.9	48.9	73.3



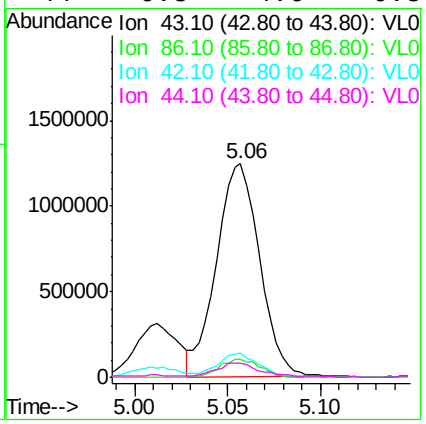


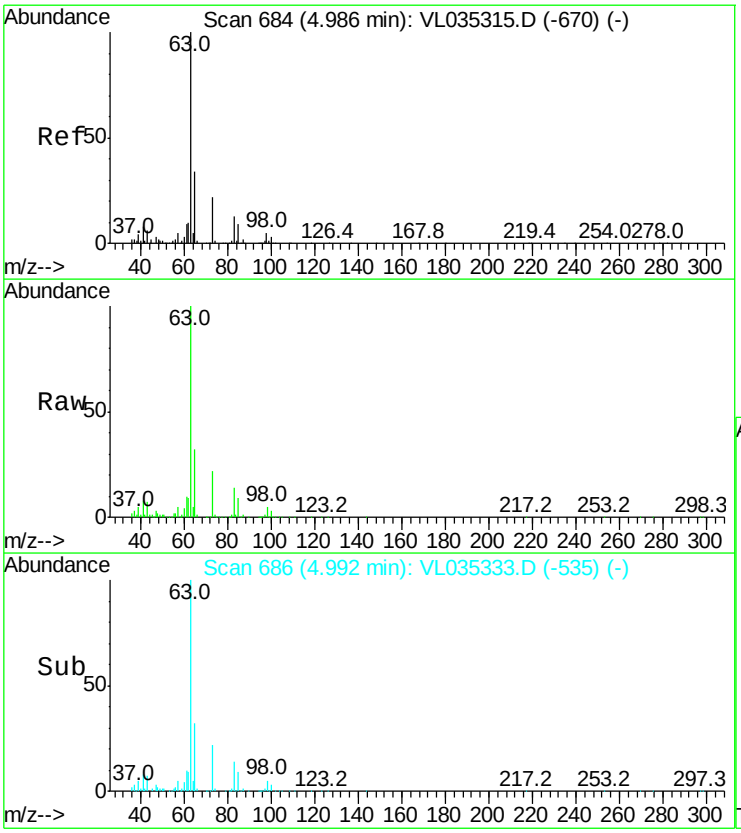
#23
Vinyl Acetate
Concen: 9.787 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2017003

Ion	Ratio	Lower	Upper
43	100		
86	8.6	6.3	9.5
42	11.0	8.0	12.0
44	6.3	4.6	6.8

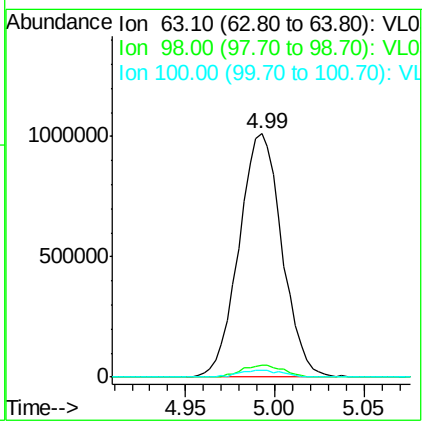


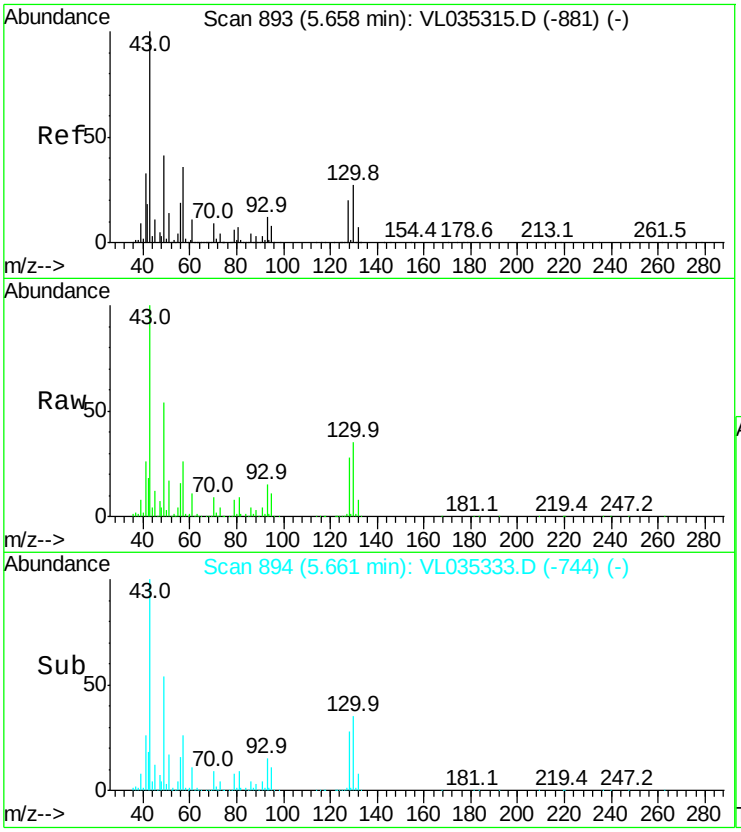


#24
1,1-Dichloroethane
Concen: 8.837 ppbv
RT: 4.99 min Scan# 686
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 63 Resp: 1694615

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.5	7.5
100	2.8	1.6	4.8



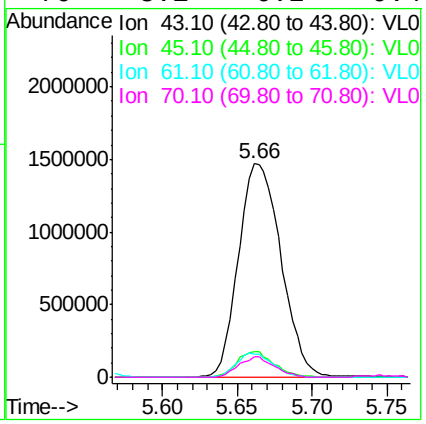


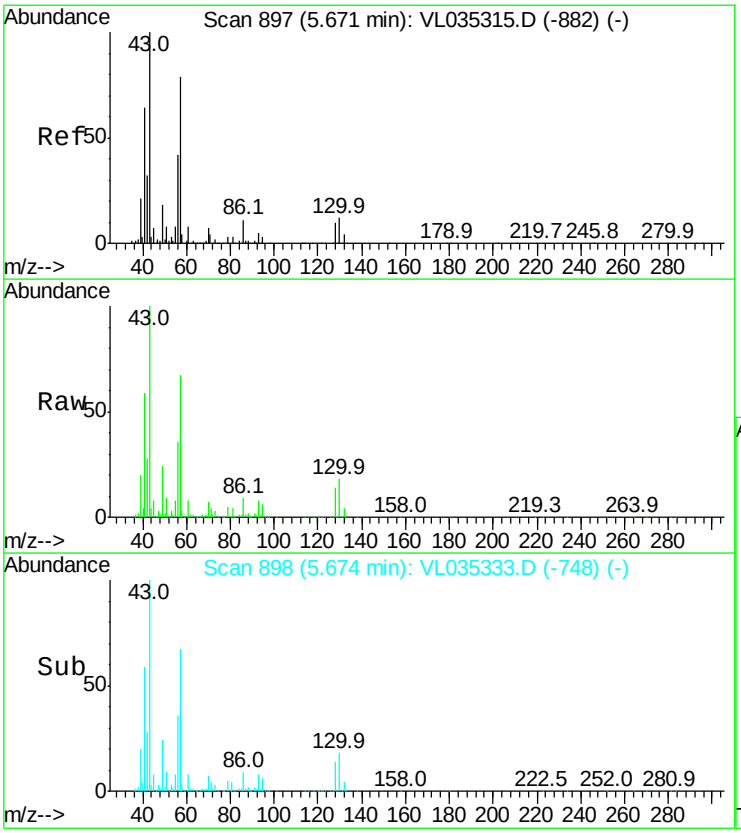
#25
Ethyl Acetate
Concen: 9.242 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2905668

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	10.1	7.7	11.5
70	8.1	6.2	9.4

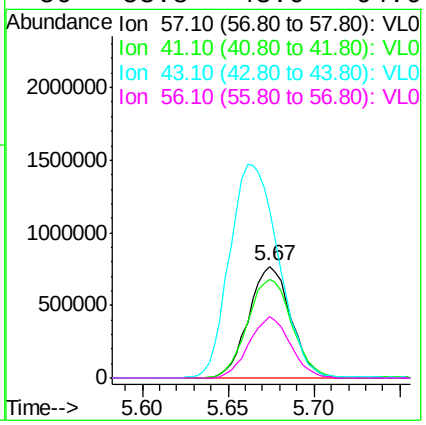


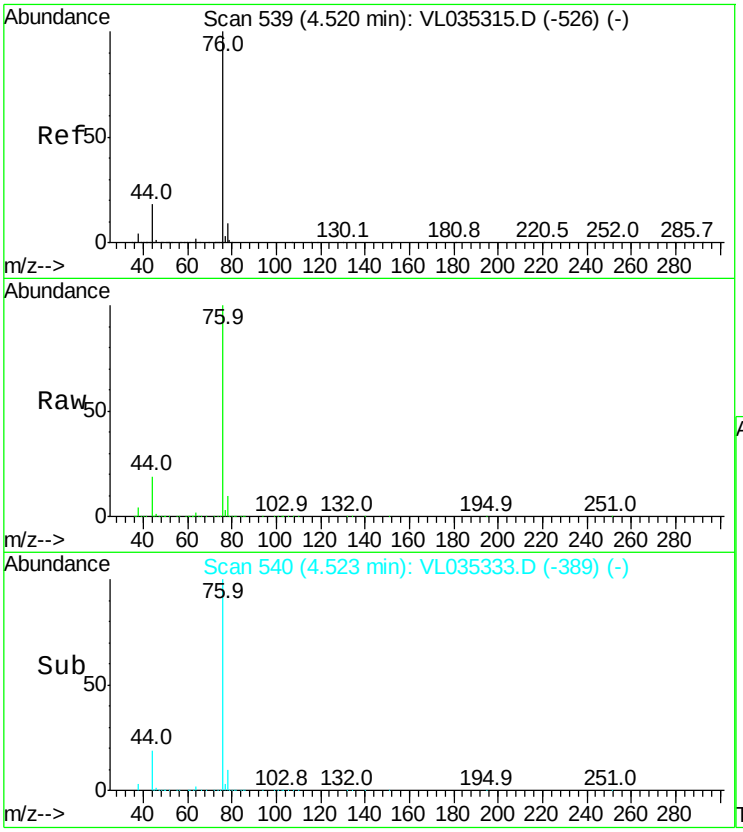


#26
Hexane
Concen: 9.236 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 57 Resp: 1300117

Ion	Ratio	Lower	Upper
57	100		
41	94.0	76.3	114.5
43	225.7	183.1	274.7
56	53.8	43.0	64.6



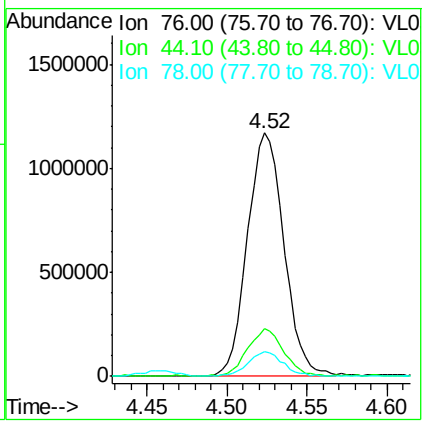


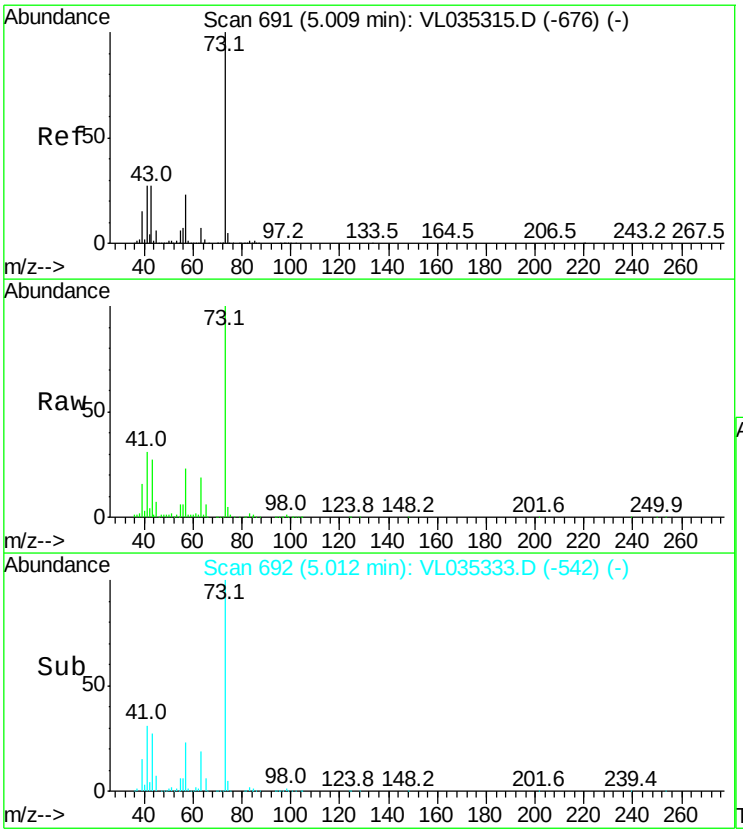
#27
Carbon Disulfide
Concen: 9.659 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1829342

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.0	22.6
78	9.6	7.4	11.0

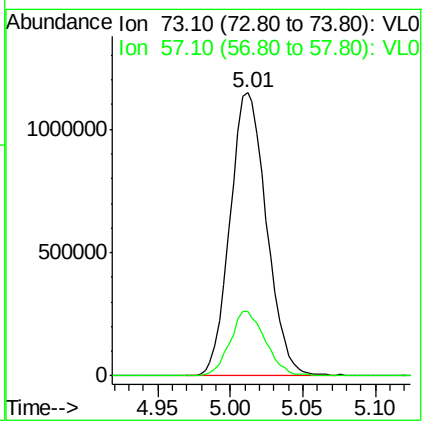


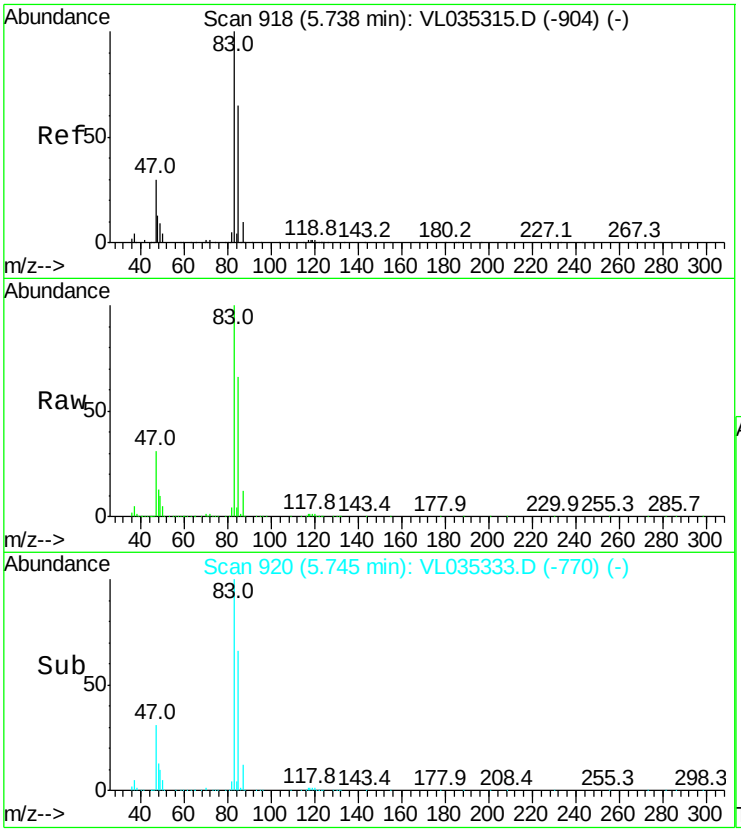


#28
Methyl tert-Butyl Ether
Concen: 9.472 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 73 Resp: 2003632

Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9



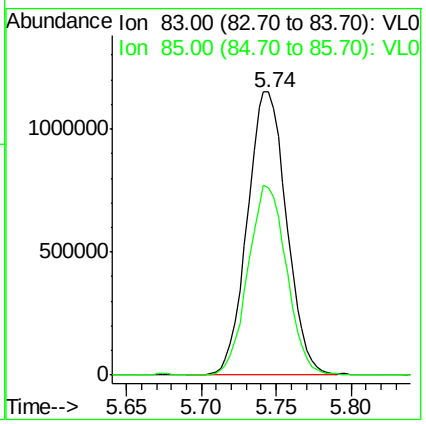


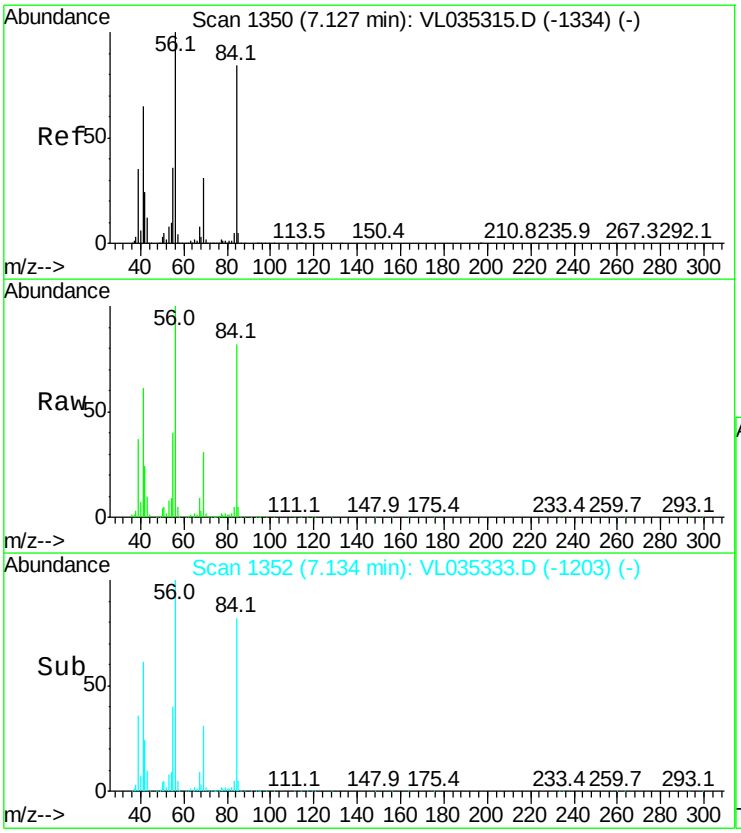
#29
Chloroform
Concen: 8.818 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2099490

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4

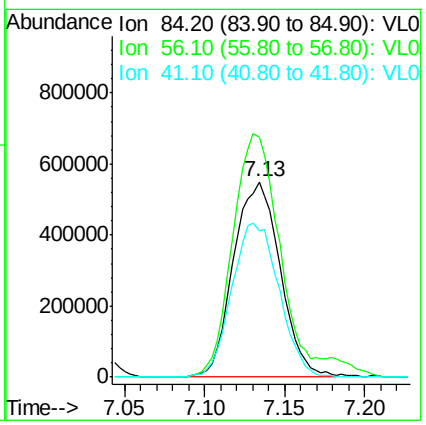


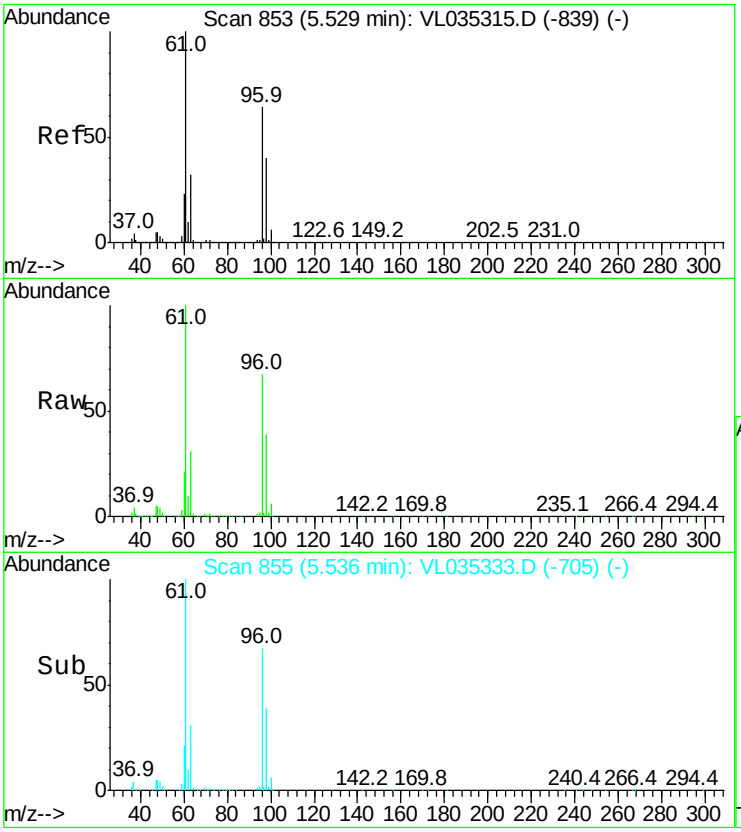


#30
Cyclohexane
Concen: 10.364 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 84 Resp: 1094333

Ion	Ratio	Lower	Upper
84	100		
56	130.9	104.5	156.7
41	80.2	65.0	97.6



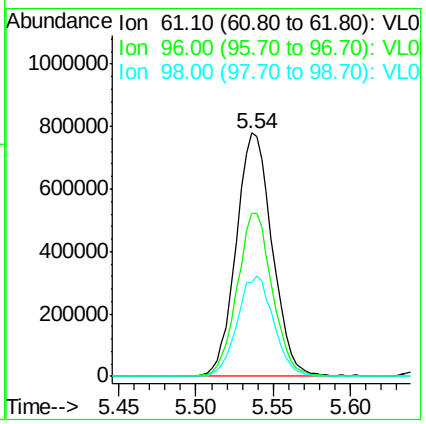


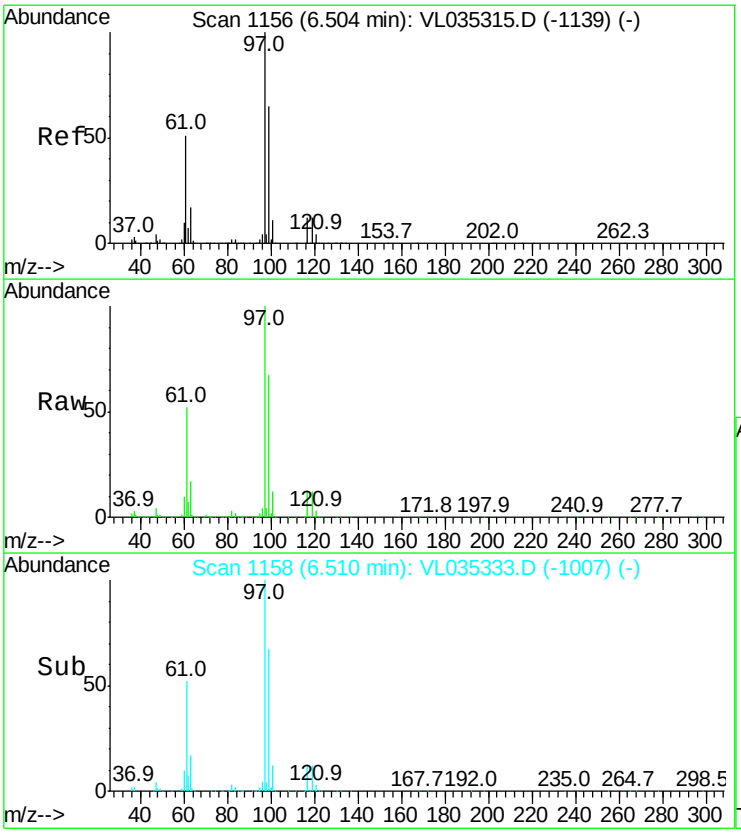
#31
cis-1,2-Dichloroethene
Concen: 9.737 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1264350

Ion	Ratio	Lower	Upper
61	100		
96	67.0	50.8	76.2
98	38.7	31.0	46.6

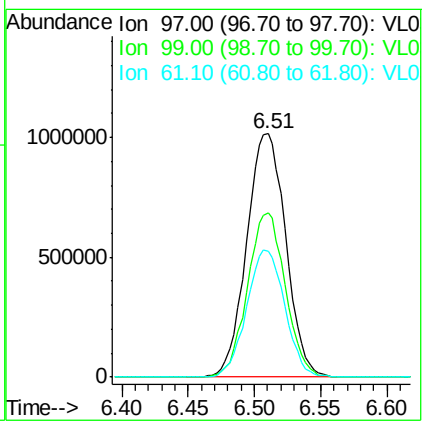


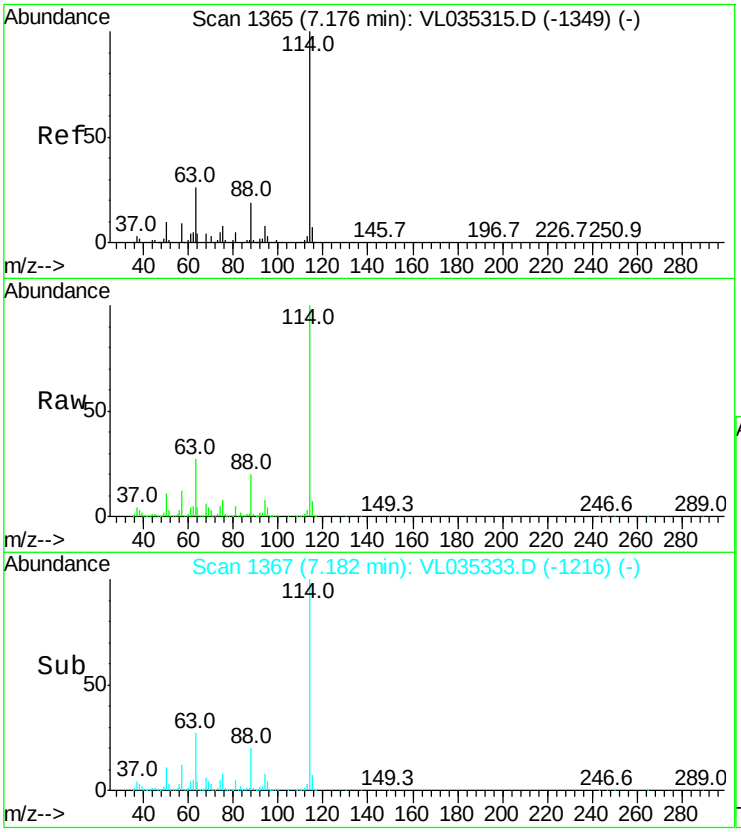


#32
1,1,1-Trichloroethane
Concen: 9.067 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 97 Resp: 2087505

Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.8	77.8
61	51.1	40.5	60.7



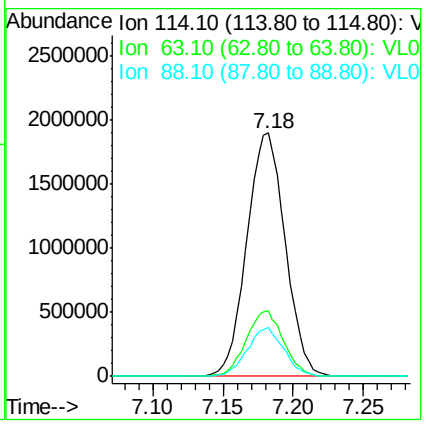


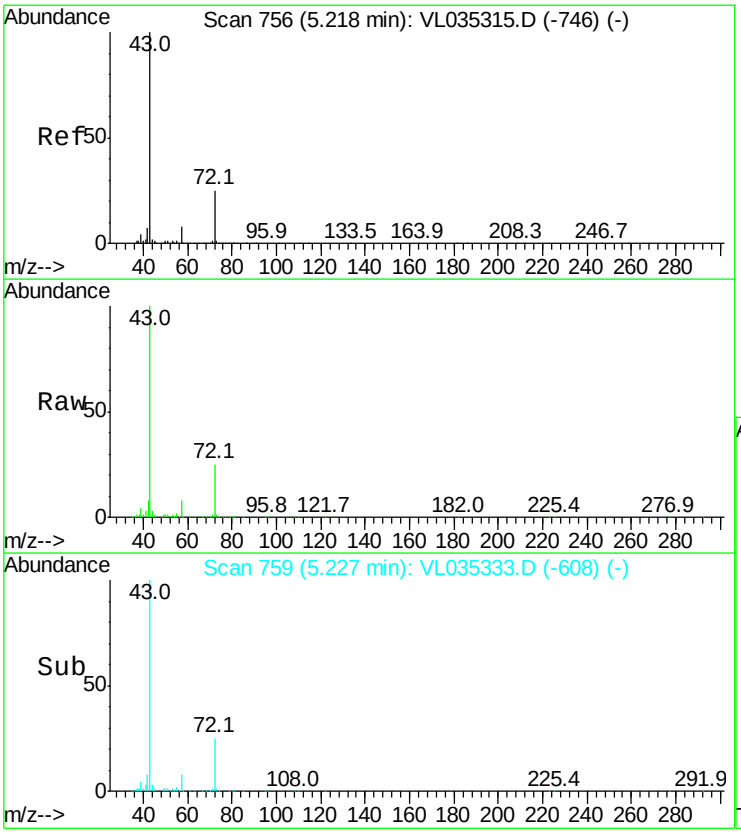
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 3615383

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.4	32.2
88	19.1	15.1	22.7

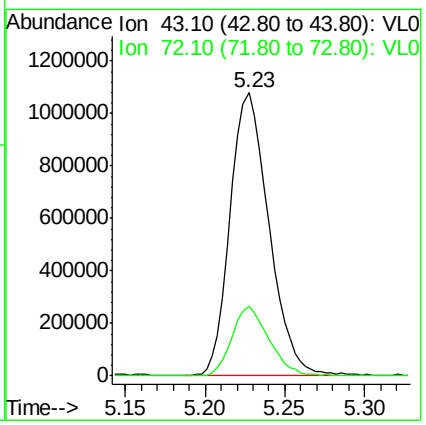


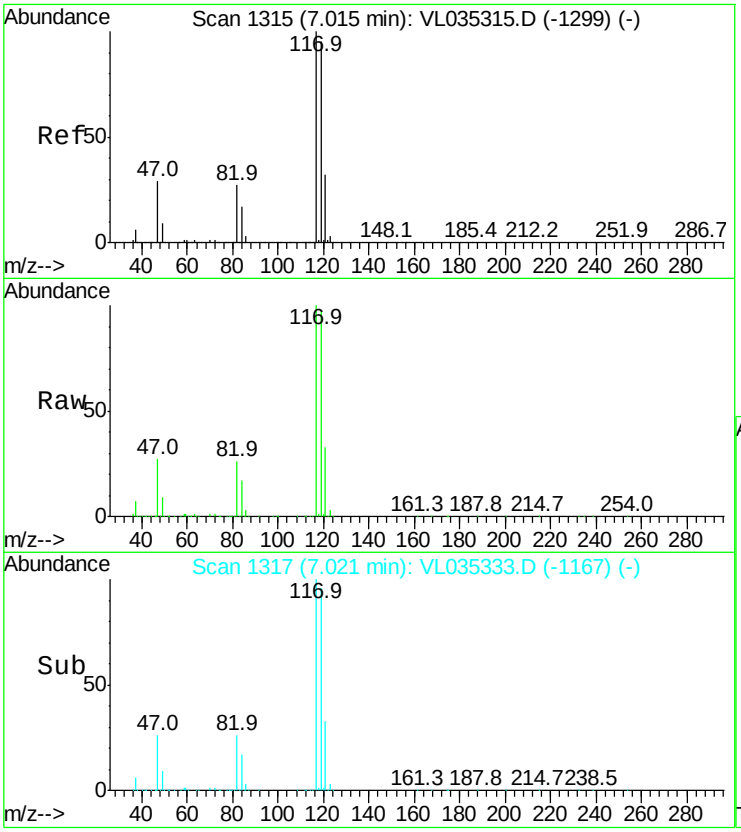


#34
2-Butanone
Concen: 9.354 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 43 Resp: 1780508

Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.9	28.3



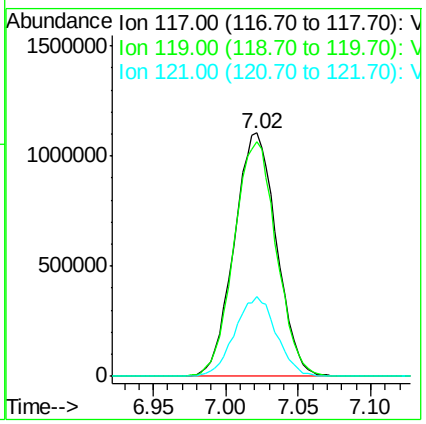


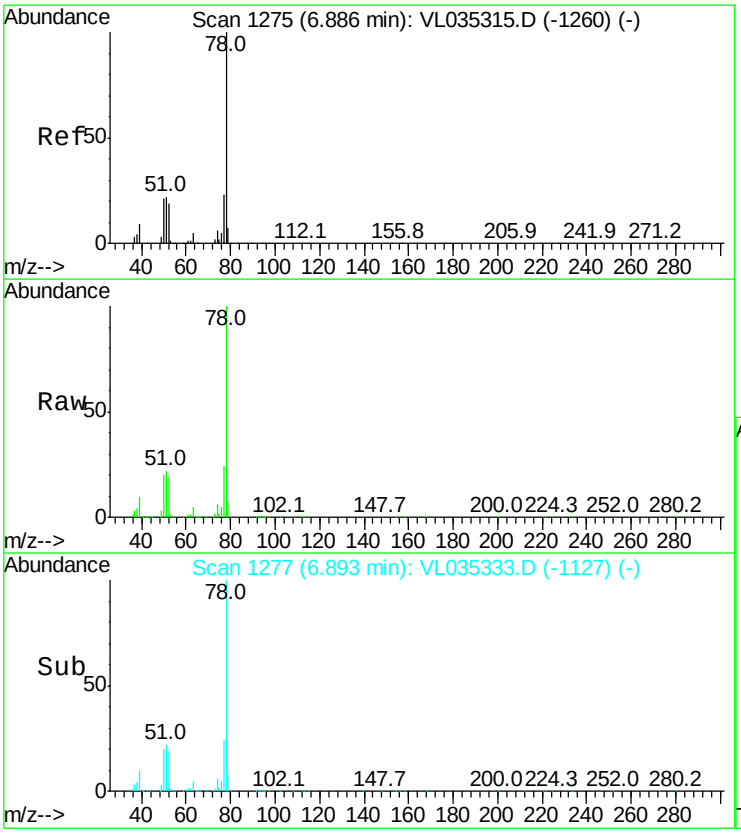
#35
Carbon Tetrachloride
Concen: 9.597 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 2243840

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.6	116.4
121	32.5	25.4	38.0

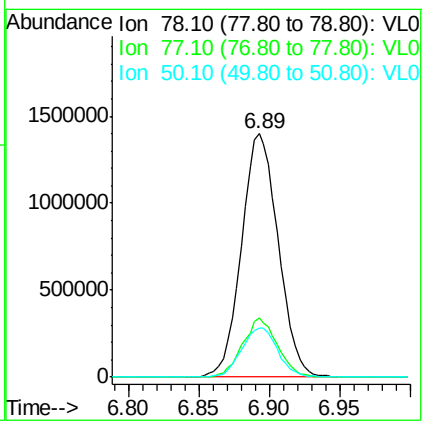


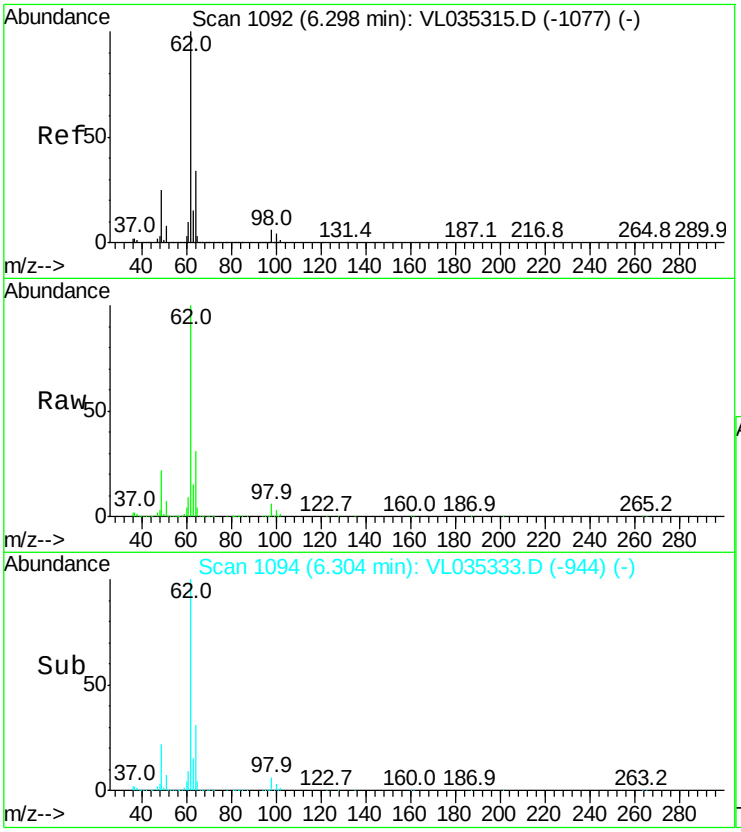


#36
Benzene
Concen: 9.626 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 78 Resp: 2551574

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9
50	20.4	16.6	24.8



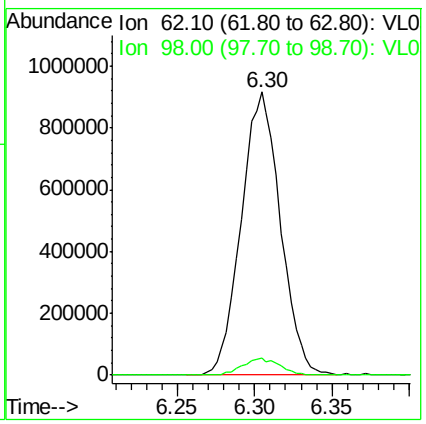


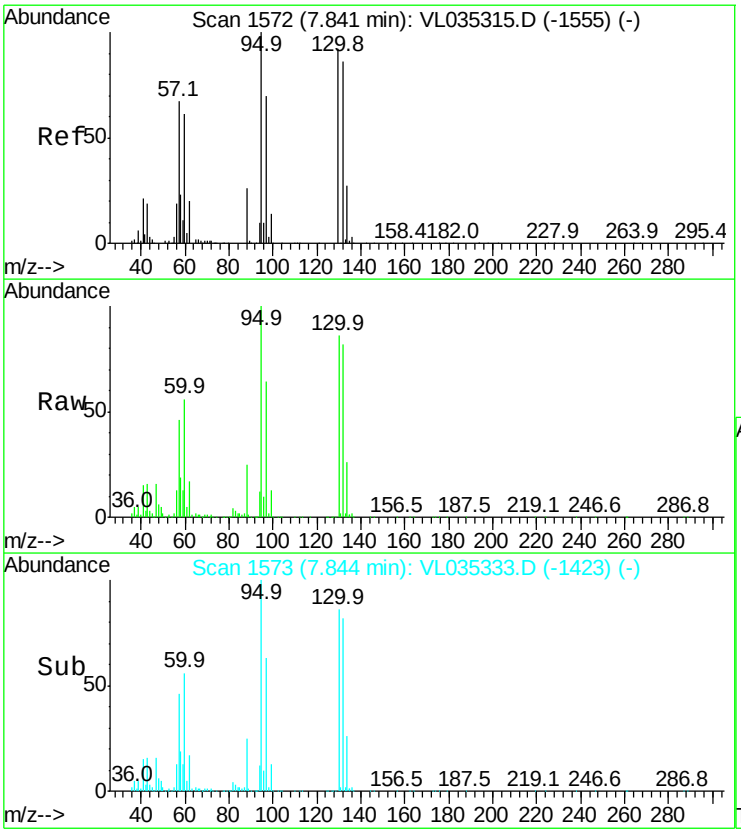
#37
1,2-Dichloroethane
Concen: 8.992 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1614532

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.6	7.0

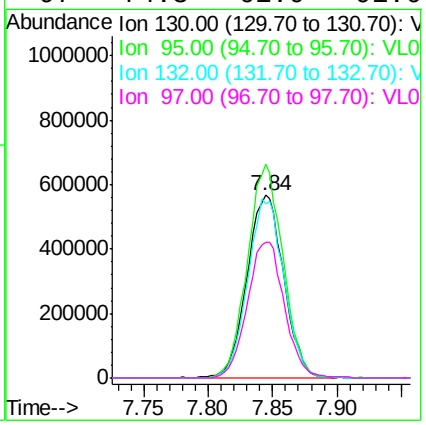


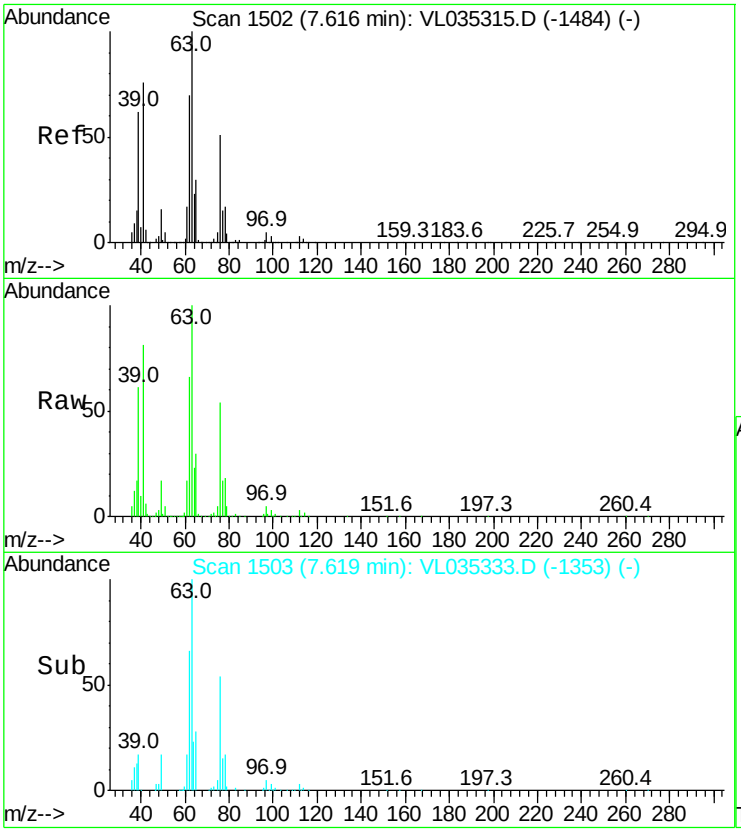


#38
Trichloroethene
Concen: 11.560 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:130 Resp: 1125944

Ion	Ratio	Lower	Upper
130	100		
95	116.8	93.4	140.2
132	95.1	74.9	112.3
97	74.3	61.0	91.6



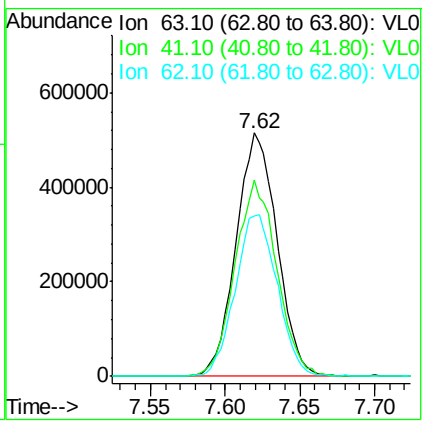


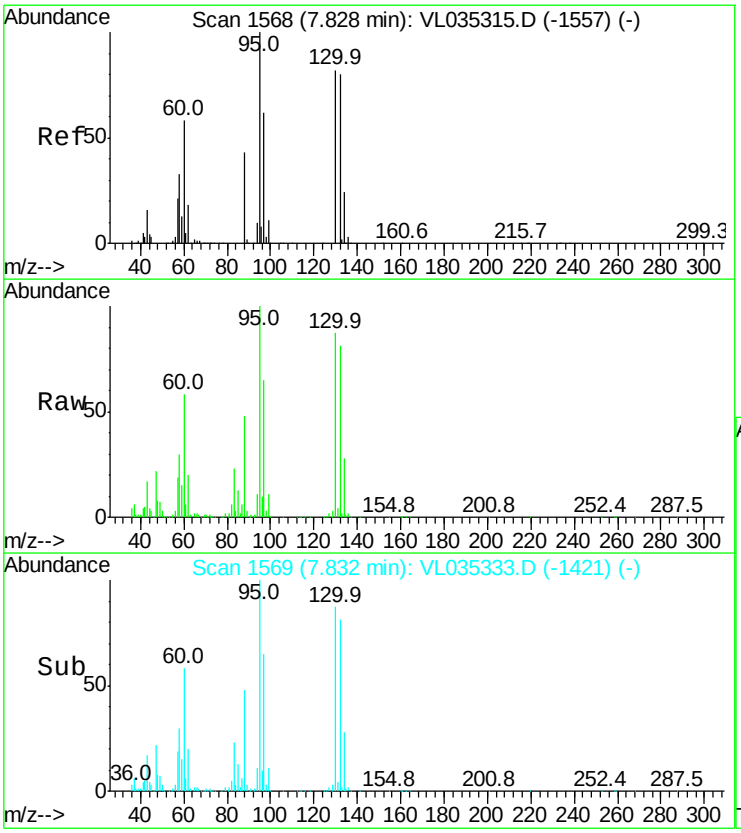
#39
1,2-Dichloropropane
Concen: 9.367 ppbv
RT: 7.62 min Scan# 1503
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 978442

Ion	Ratio	Lower	Upper
63	100		
41	80.5	63.9	95.9
62	65.7	52.6	79.0

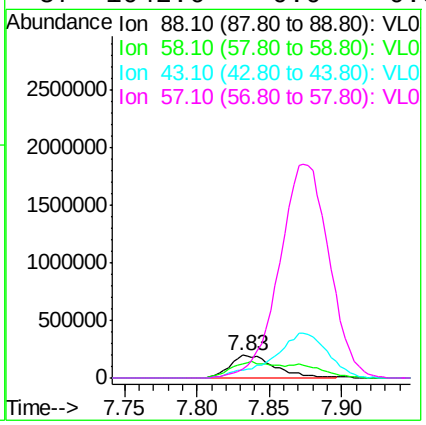


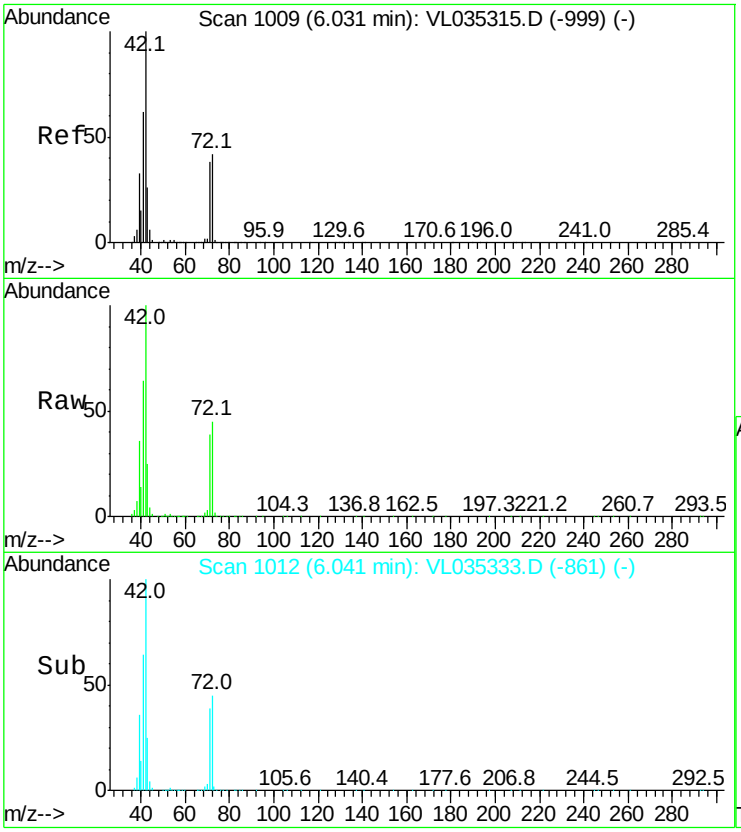


#40
1,4-Dioxane
Concen: 9.358 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 88 Resp: 424581

Ion	Ratio	Lower	Upper
88	100		
58	120.9	100.2	150.2
43	238.4	0.0	0.0#
57	1042.6	0.0	0.0#



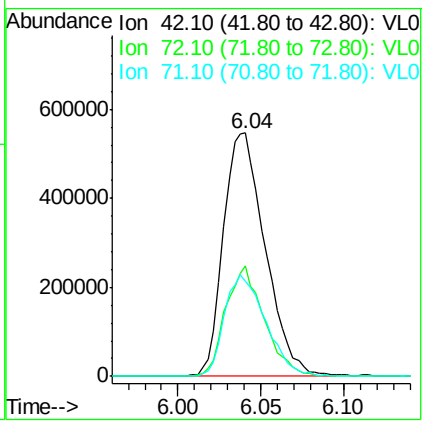


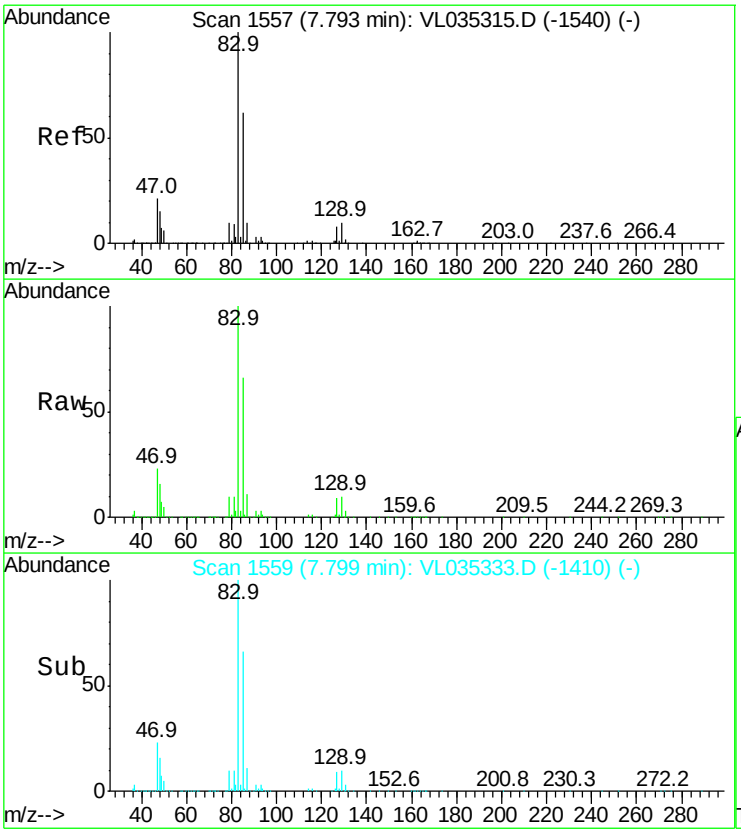
#41
Tetrahydrofuran
Concen: 10.183 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 956109

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.4	51.6
71	41.4	32.8	49.2

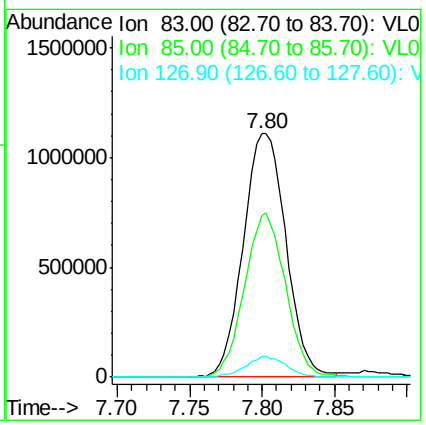


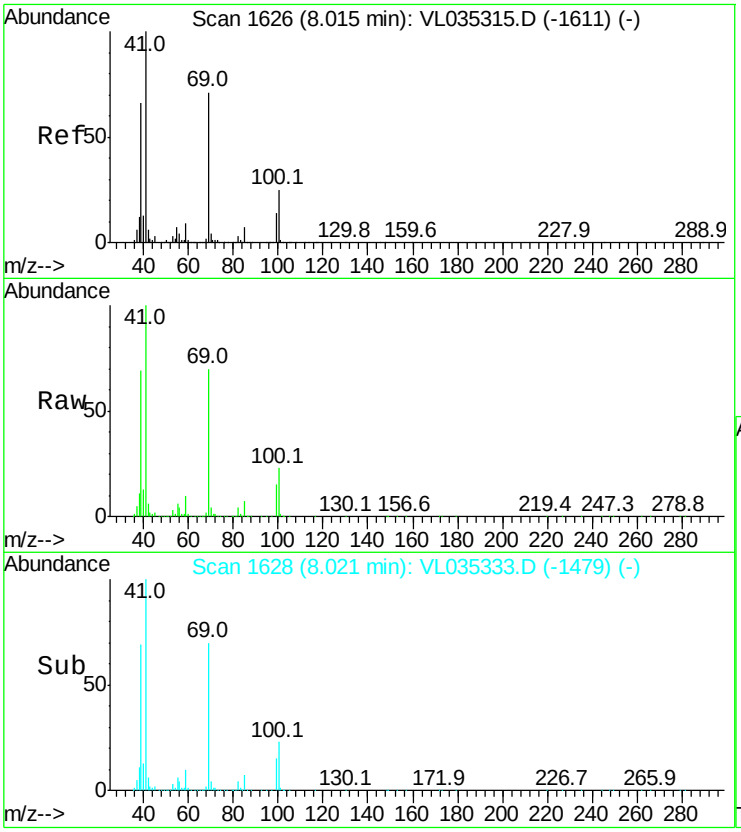


#42
Bromodichloromethane
Concen: 9.280 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 83 Resp: 2273366

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.3	78.5
127	8.5	7.0	10.4



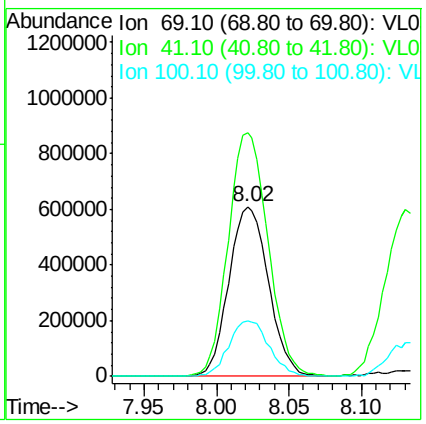


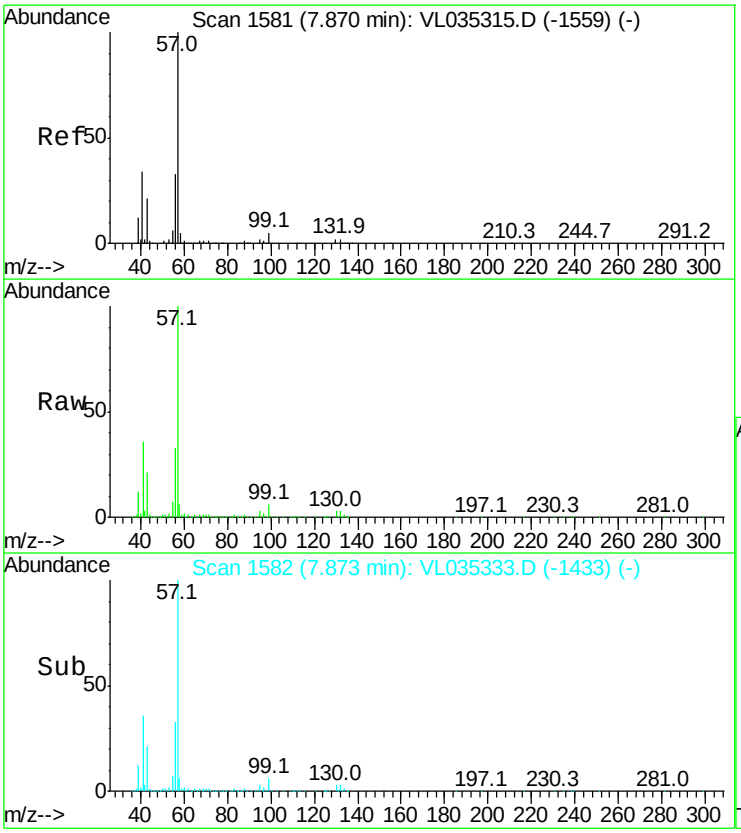
#43
Methyl Methacrylate
Concen: 10.420 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 1153980

Ion	Ratio	Lower	Upper
69	100		
41	144.7	115.2	172.8
100	33.4	26.5	39.7

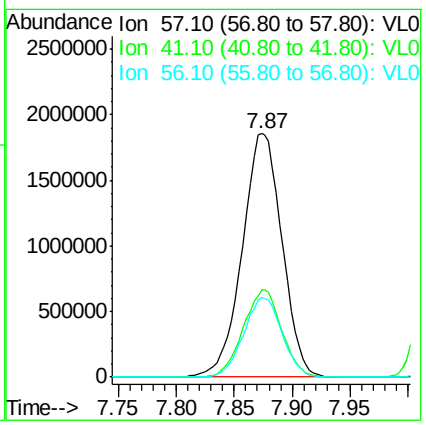


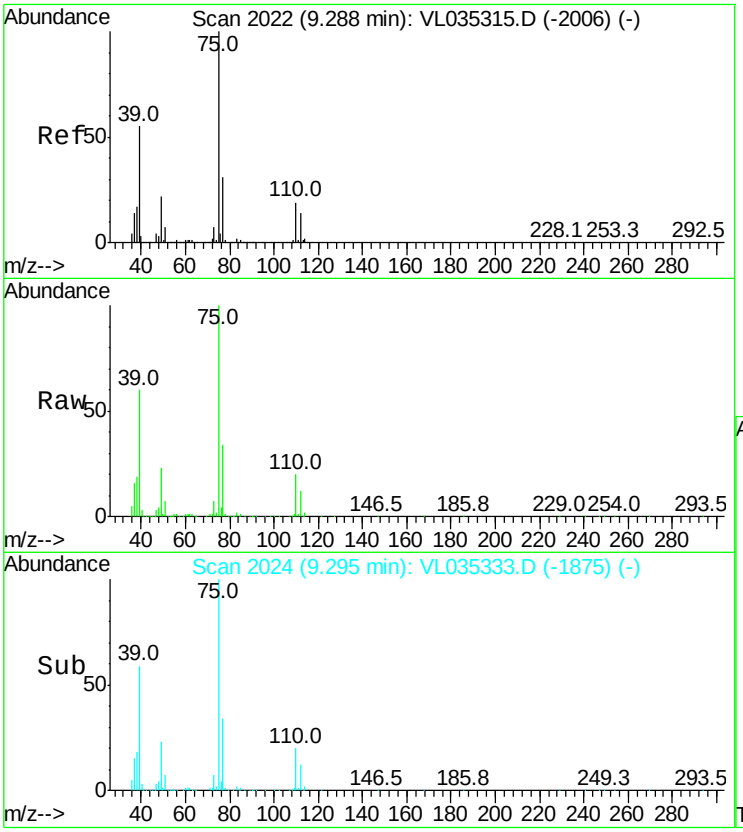


#44
2,2,4-Trimethylpentane
Concen: 9.714 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 57 Resp: 4410883

Ion	Ratio	Lower	Upper
57	100		
41	34.9	27.8	41.8
56	31.7	25.0	37.4



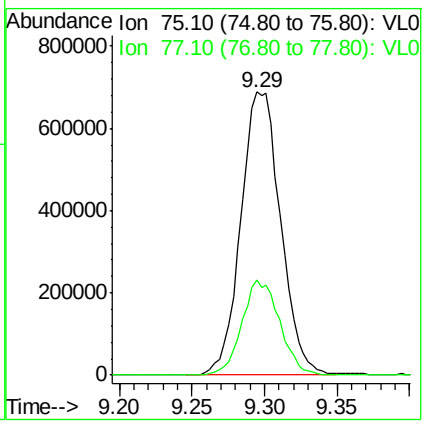


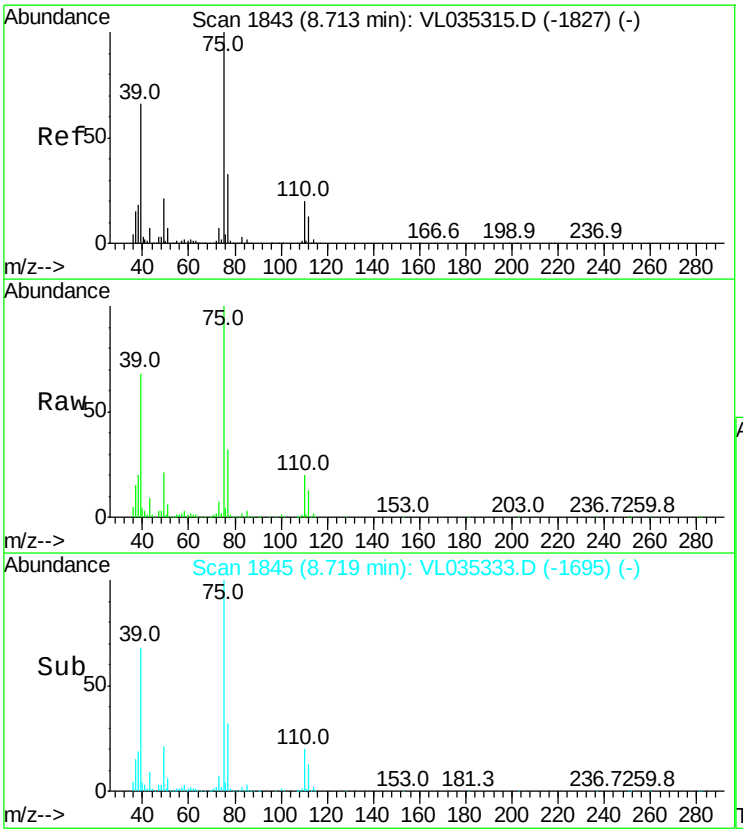
#45
t-1,3-Dichloropropene
Concen: 11.115 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1313896

Ion	Ratio	Lower	Upper
75	100		
77	33.8	26.0	39.0

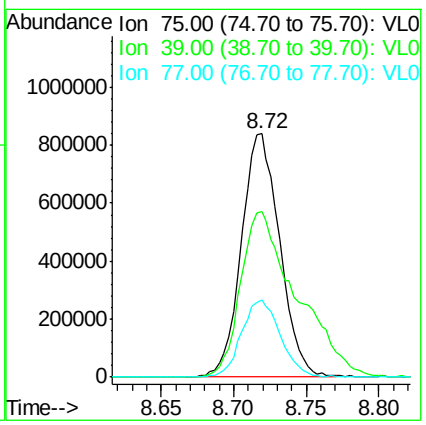


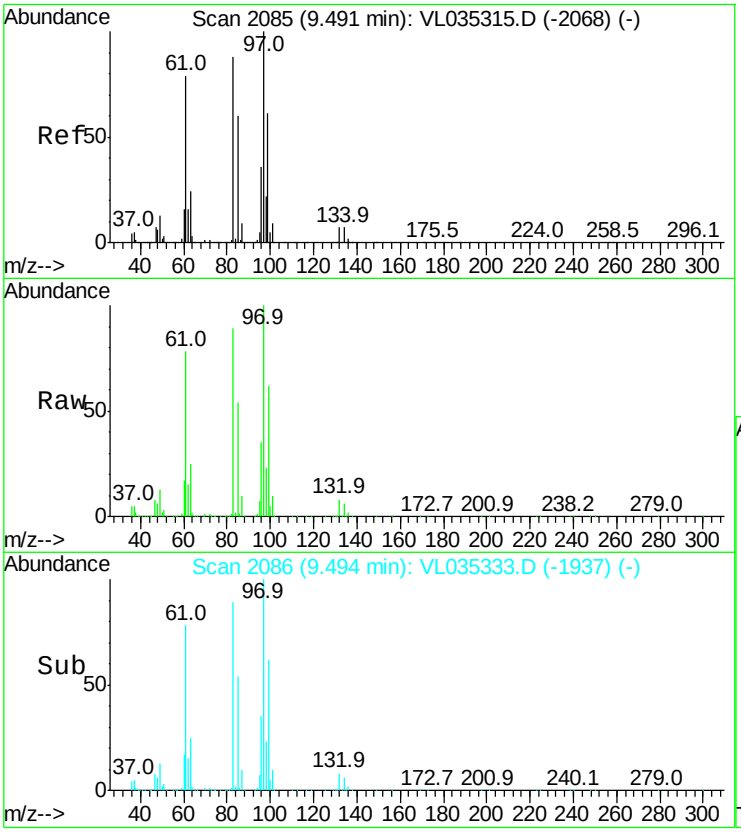


#46
cis-1,3-Dichloropropene
Concen: 10.895 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 75 Resp: 1542001

Ion	Ratio	Lower	Upper
75	100		
39	67.7	53.8	80.8
77	31.8	25.9	38.9



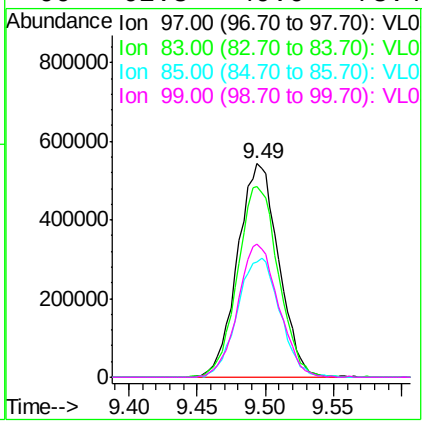


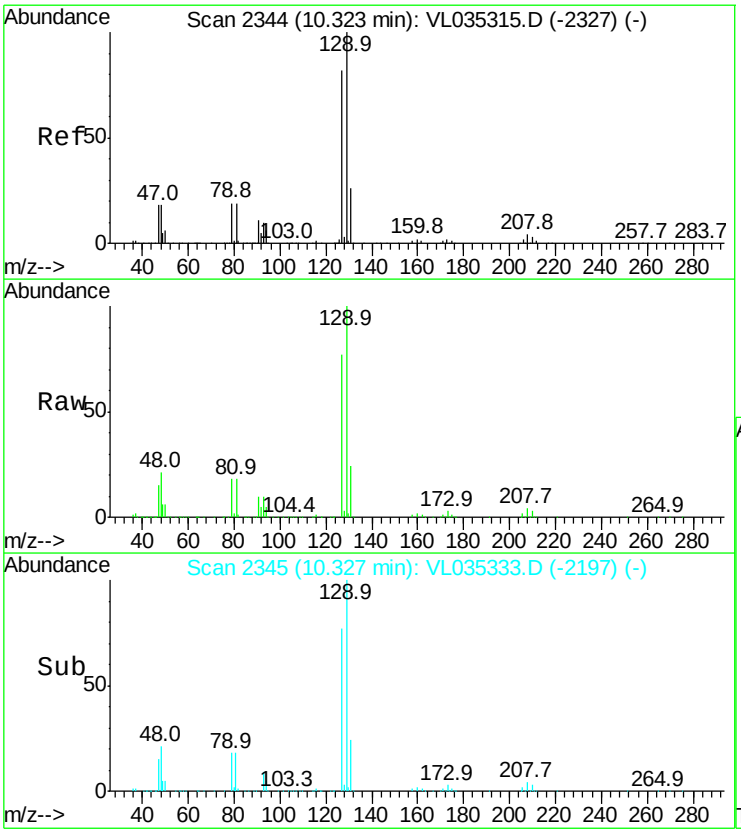
#47
1,1,2-Trichloroethane
Concen: 9.376 ppbv
RT: 9.49 min Scan# 2086
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 1136771

Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.2	105.4
85	54.1	45.5	68.3
99	62.3	49.0	73.4

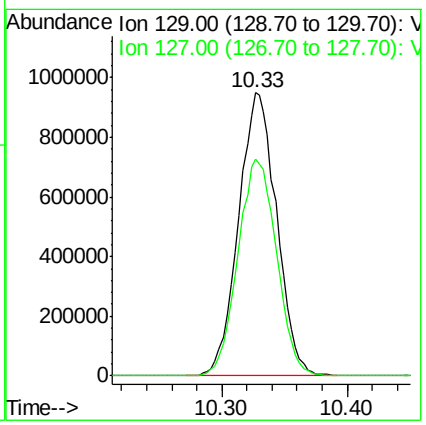


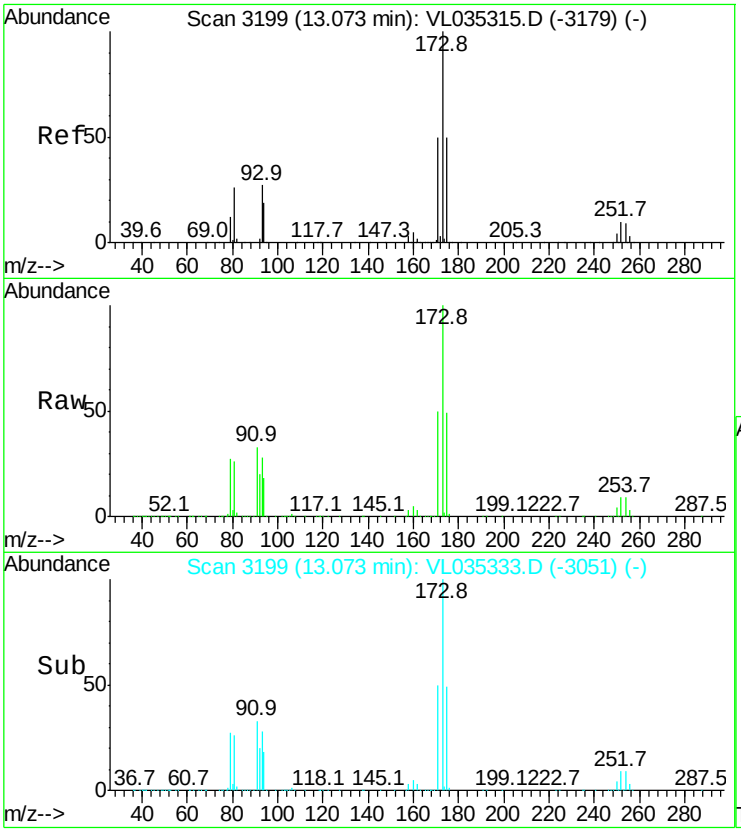


#48
Dibromochloromethane
Concen: 10.125 ppbv
RT: 10.33 min Scan# 2345
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:129 Resp: 1997307

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.4	118.1



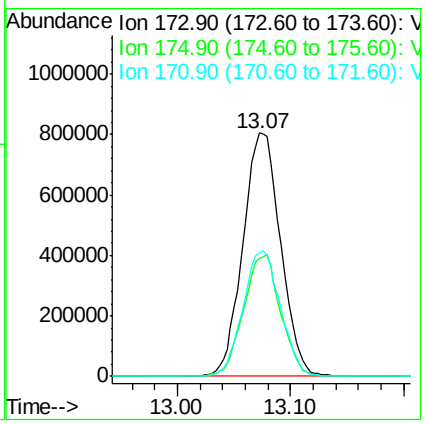


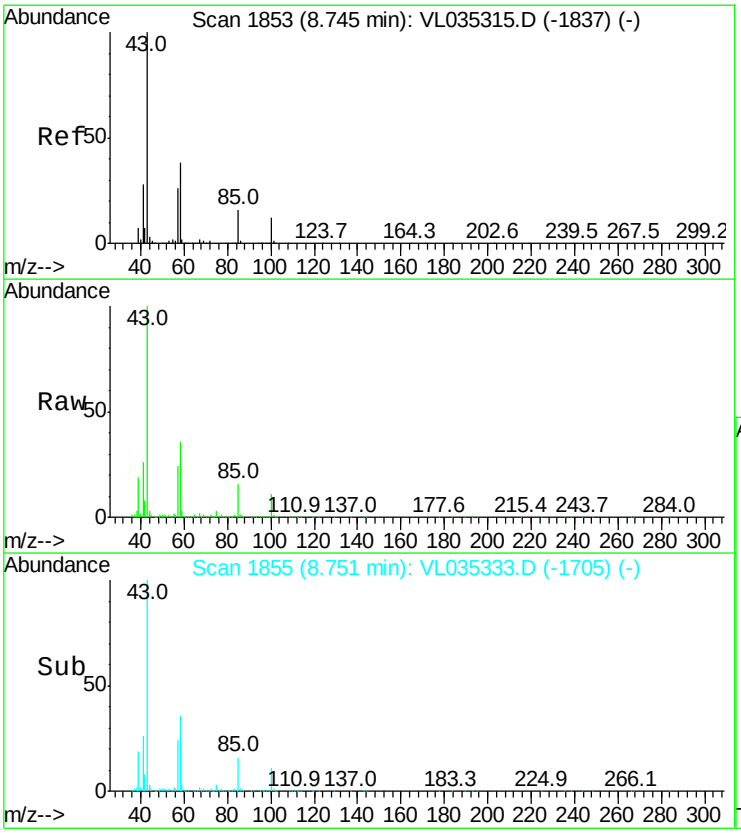
#49
Bromoform
Concen: 10.842 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 1863037

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.4	59.2
171	51.5	41.2	61.8

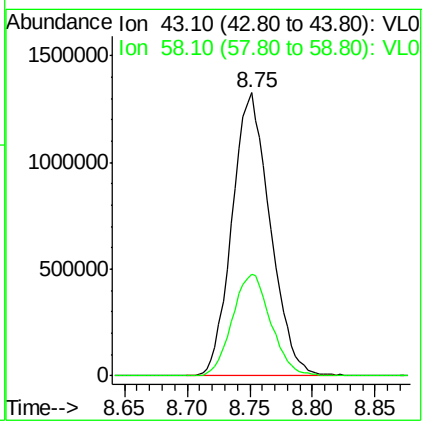


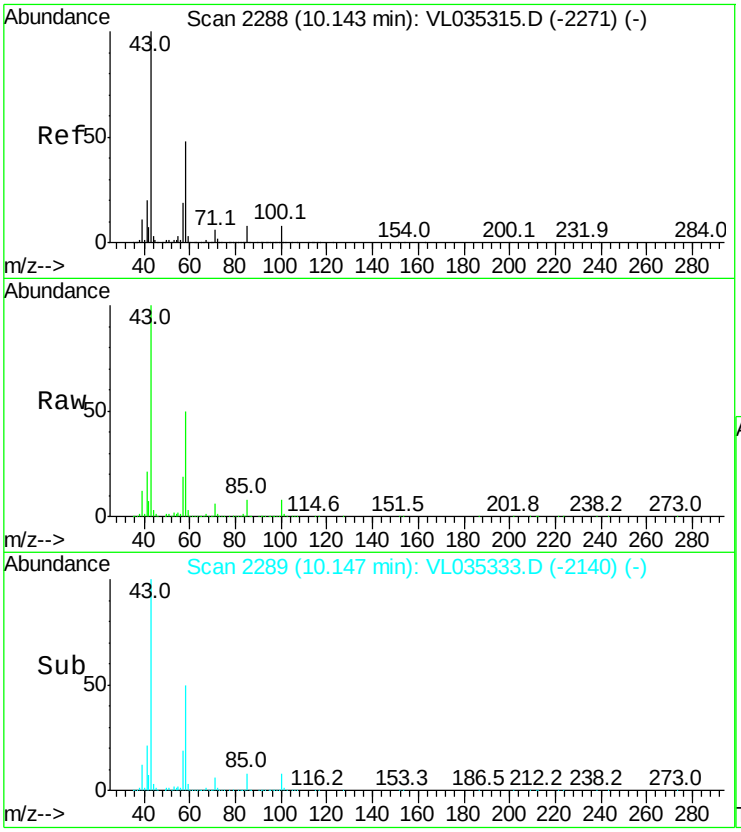


#50
4-Methyl-2-Pentanone
Concen: 10.413 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 43 Resp: 2799429

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.0	43.6



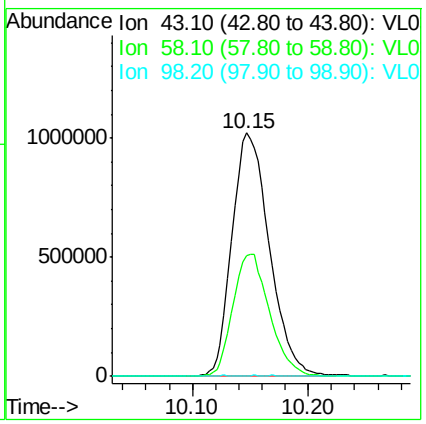


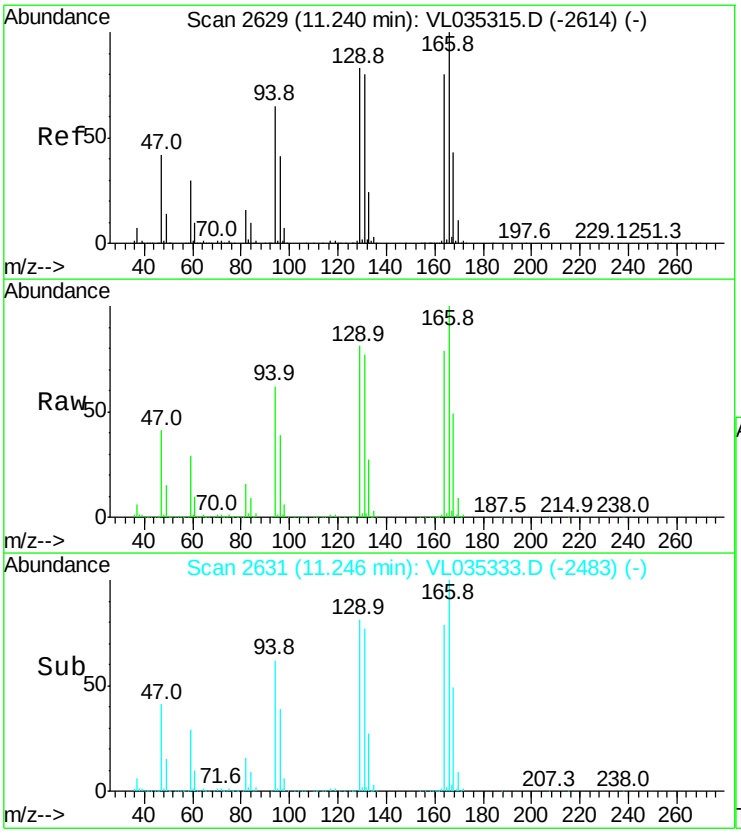
#51
2-Hexanone
Concen: 11.006 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2289233

Ion	Ratio	Lower	Upper
43	100		
58	49.3	38.5	57.7
98	0.3	0.4	0.6#

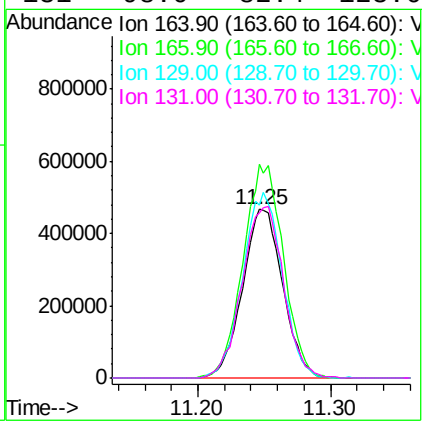


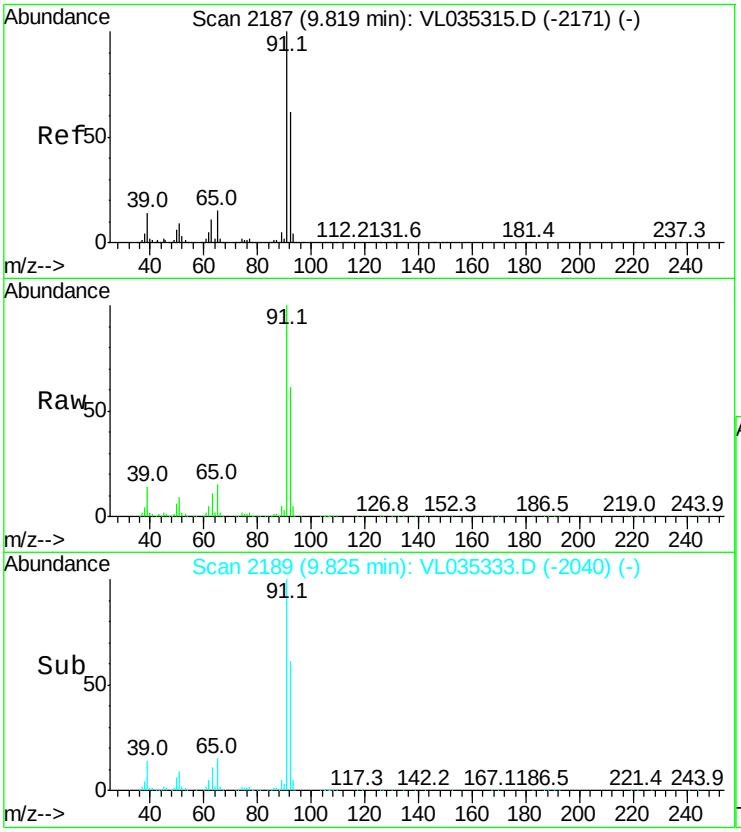


#52
Tetrachloroethene
Concen: 10.549 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:164 Resp: 985061

Ion	Ratio	Lower	Upper
164	100		
166	126.7	96.1	144.1
129	102.6	84.9	127.3
131	98.0	82.4	123.6



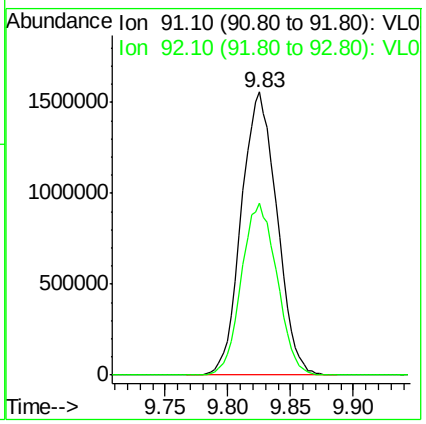


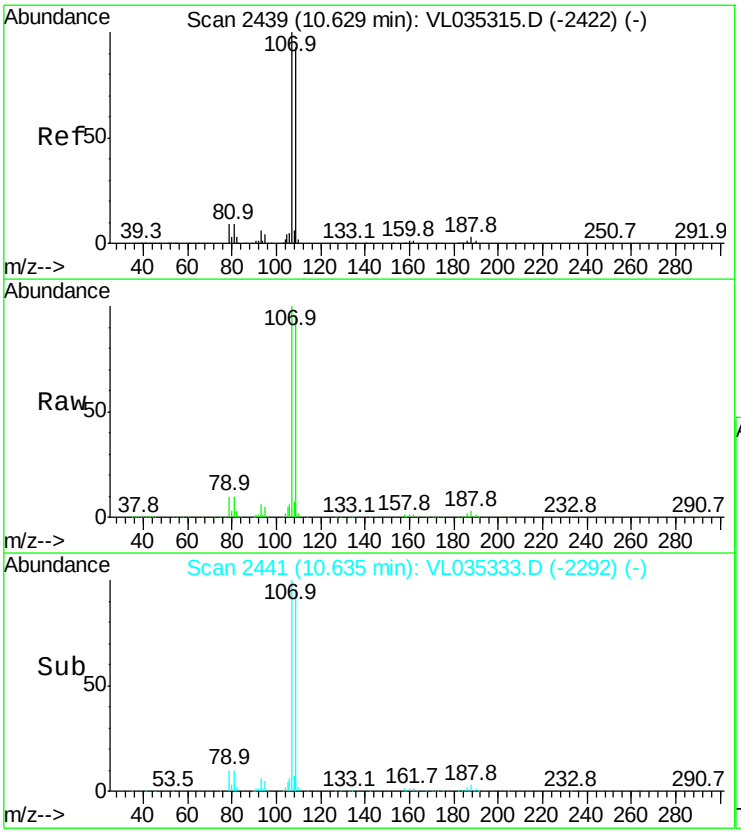
#53
Toluene
Concen: 11.049 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 3079613

Ion	Ratio	Lower	Upper
91	100		
92	60.6	47.9	71.9

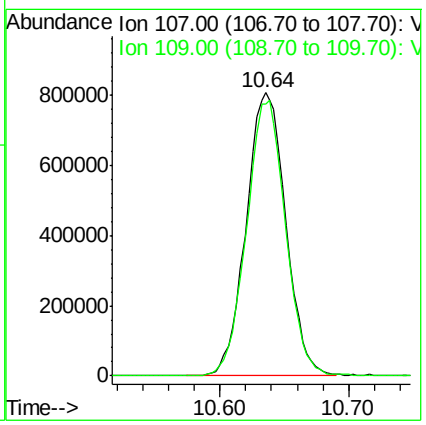


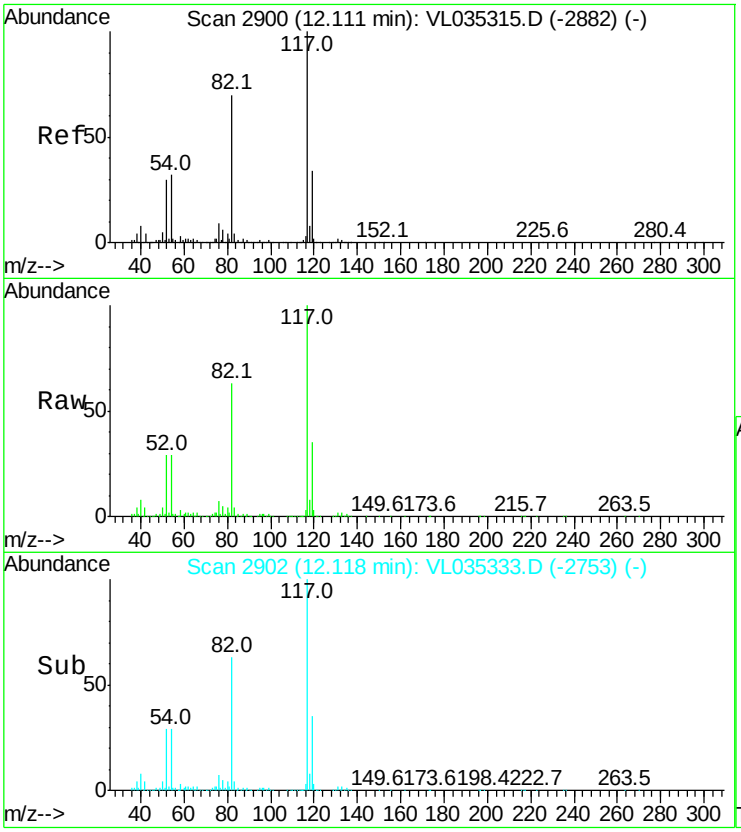


#54
1,2-Dibromoethane
Concen: 9.610 ppbv
RT: 10.64 min Scan# 2441
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:107 Resp: 1724682

Ion	Ratio	Lower	Upper
107	100		
109	96.0	76.6	115.0



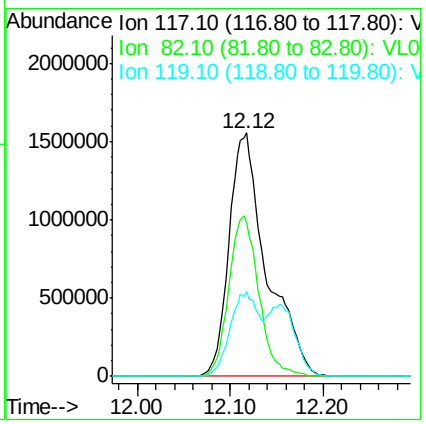


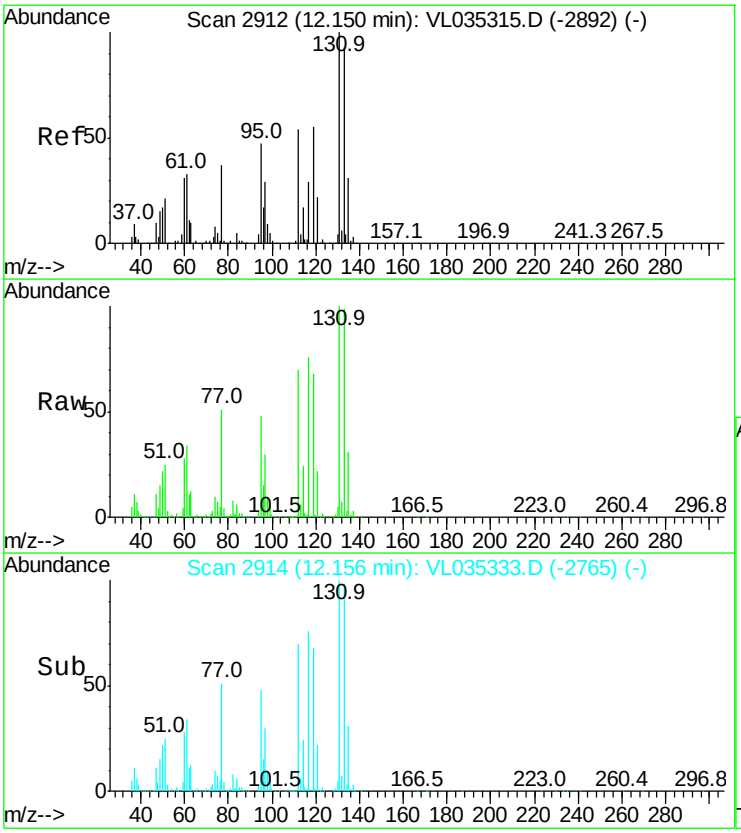
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 4379148

Ion	Ratio	Lower	Upper
117	100		
82	52.7	51.4	77.2
119	25.6	25.0	37.4

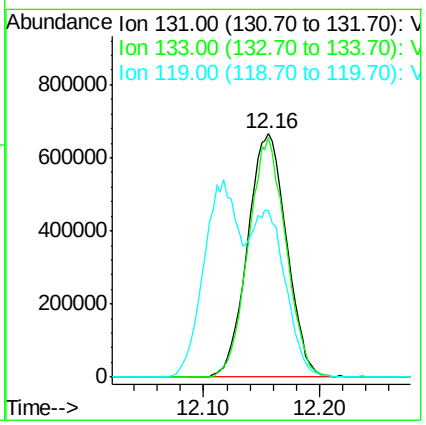


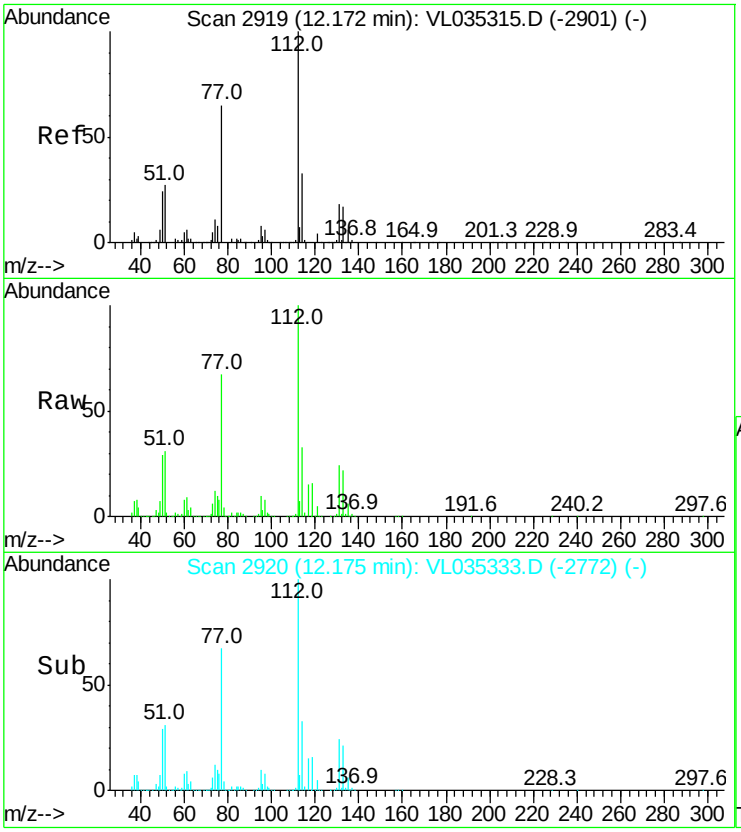


#56
1,1,1,2-Tetrachloroethane
Concen: 7.575 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:131 Resp: 1556772

Ion	Ratio	Lower	Upper
131	100		
133	94.3	77.2	115.8
119	54.6	48.6	72.8



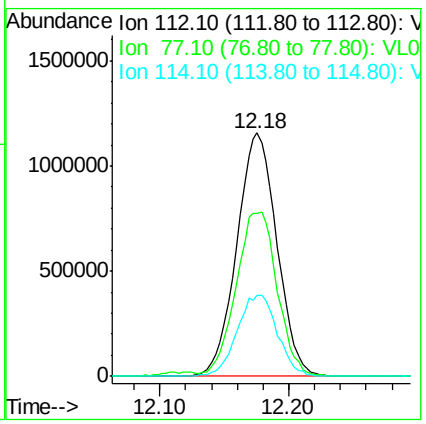


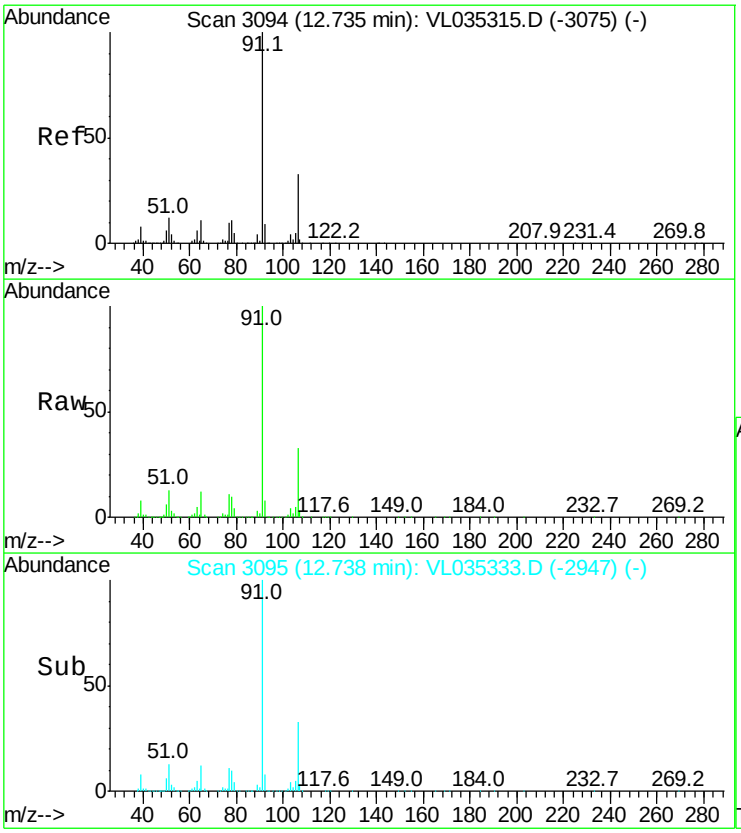
#57
Chlorobenzene
Concen: 7.417 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 2485729

Ion	Ratio	Lower	Upper
112	100		
77	66.6	53.8	80.8
114	33.1	28.8	35.2

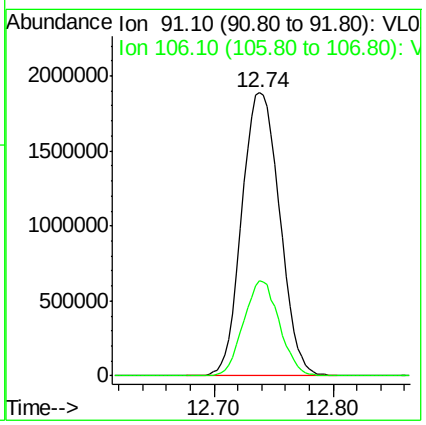


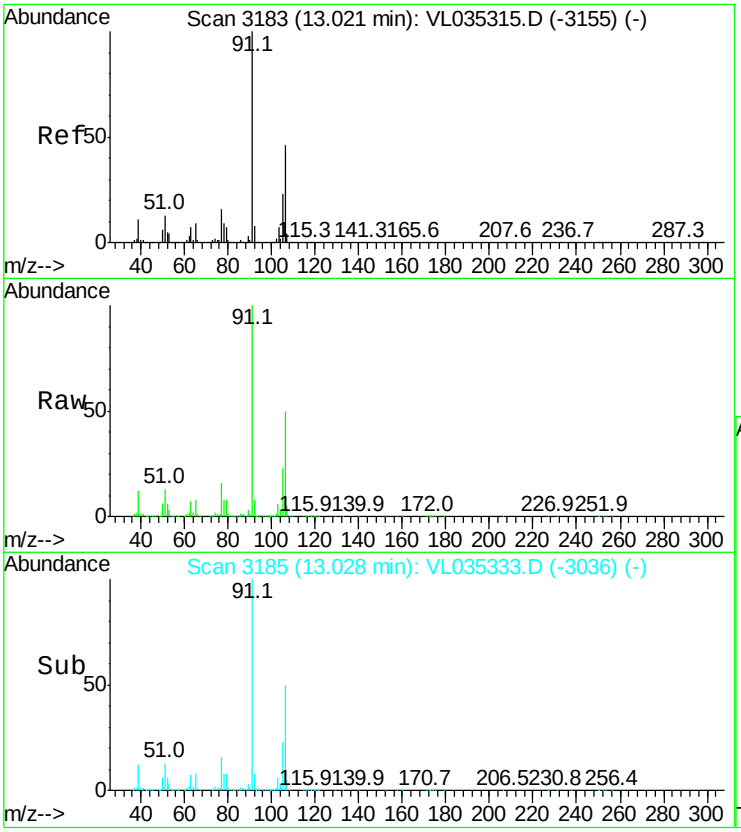


#58
Ethyl Benzene
Concen: 8.688 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 91 Resp: 4168248

Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.0	37.4



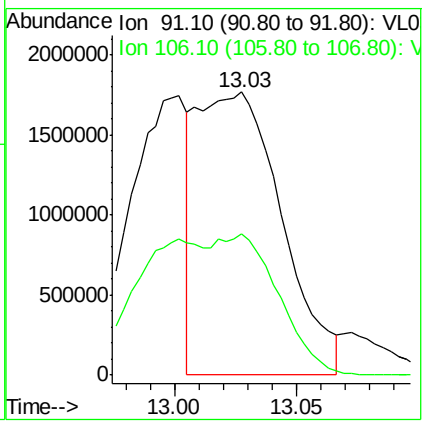


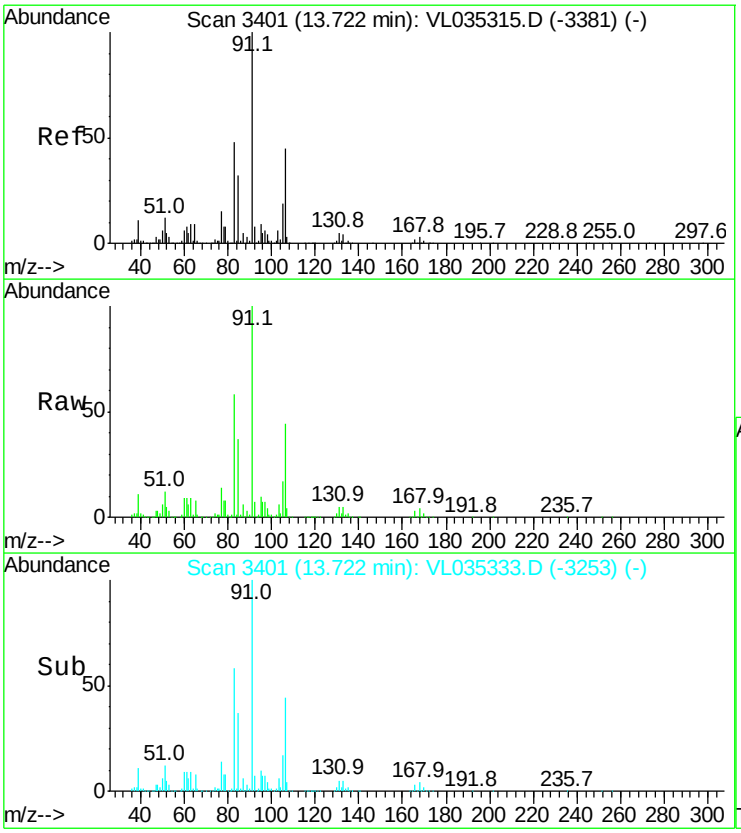
#59
m/p-Xylene
Concen: 9.559 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 4232010

Ion	Ratio	Lower	Upper
91	100		
106	79.5	36.0	54.0#

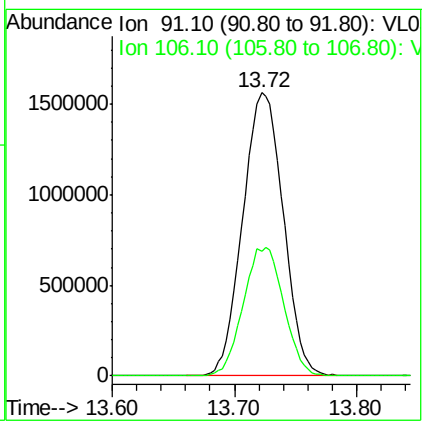


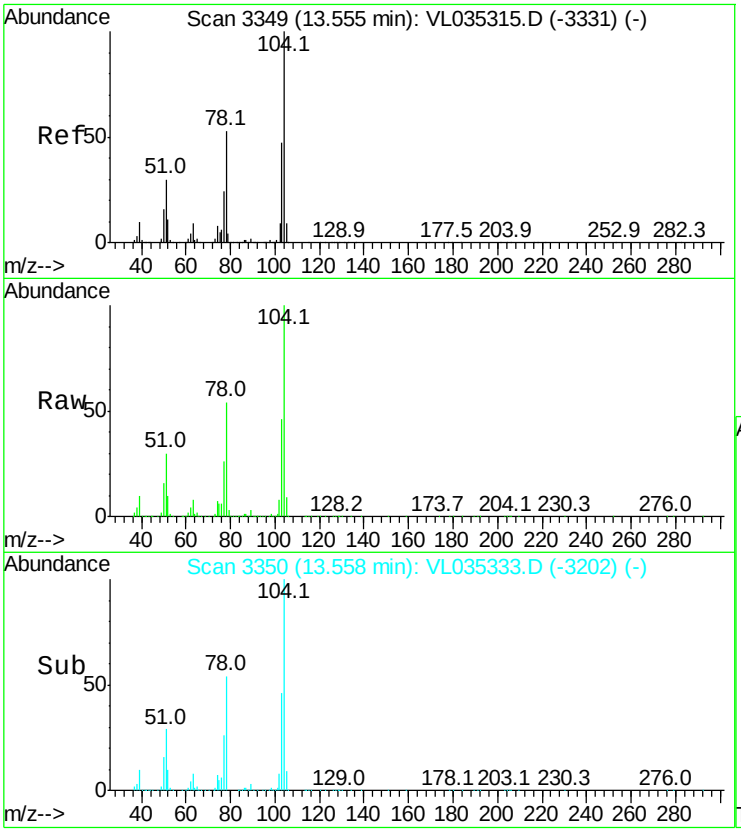


#60
o-Xylene
Concen: 8.195 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 91 Resp: 3586666

Ion	Ratio	Lower	Upper
91	100		
106	45.3	22.1	66.1



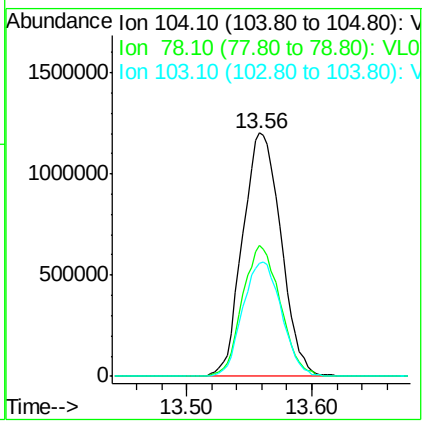


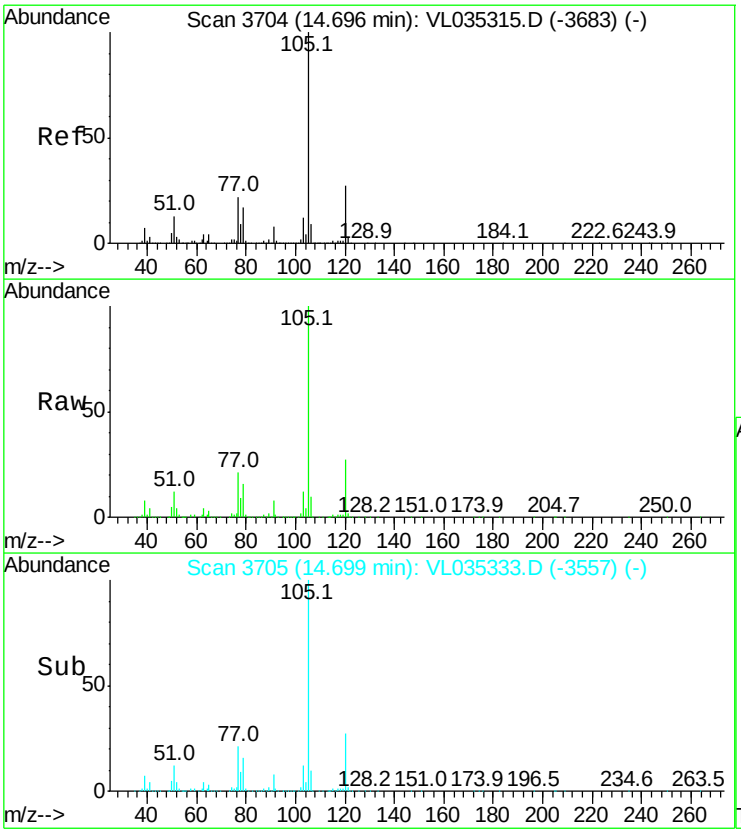
#61
Styrene
Concen: 9.516 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 2560652

Ion	Ratio	Lower	Upper
104	100		
78	53.2	43.3	64.9
103	47.6	38.1	57.1

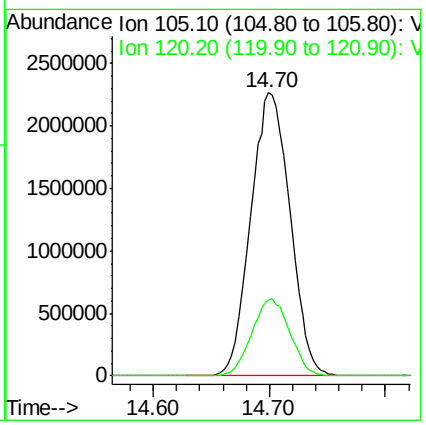


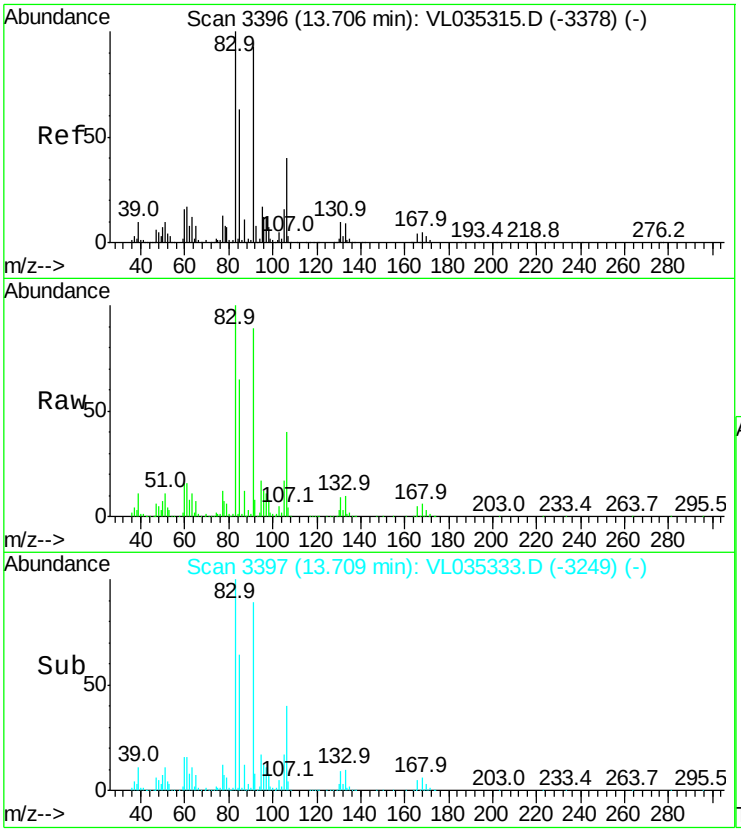


#62
Isopropylbenzene
Concen: 8.069 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:105 Resp: 5327584

Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.7	31.1



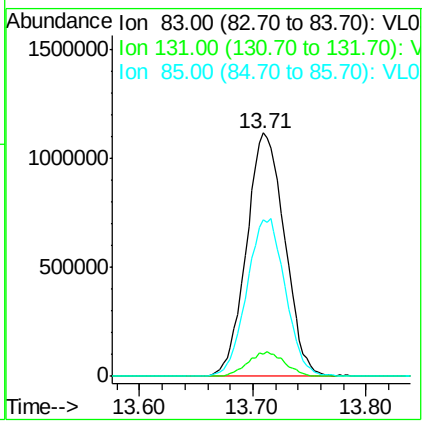


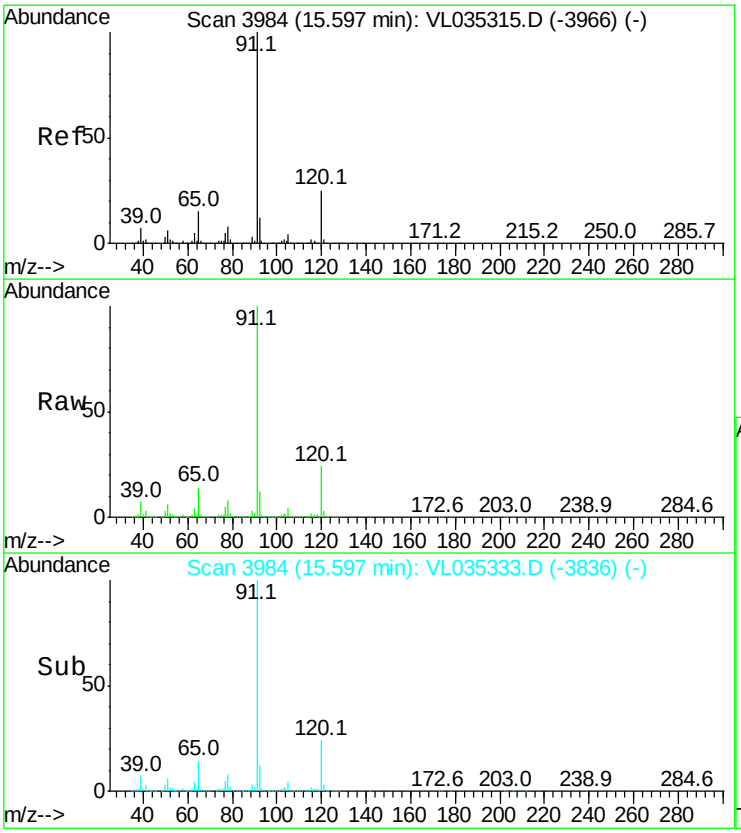
#63
1,1,2,2-Tetrachloroethane
Concen: 7.628 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2618876

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	65.3	32.5	97.4

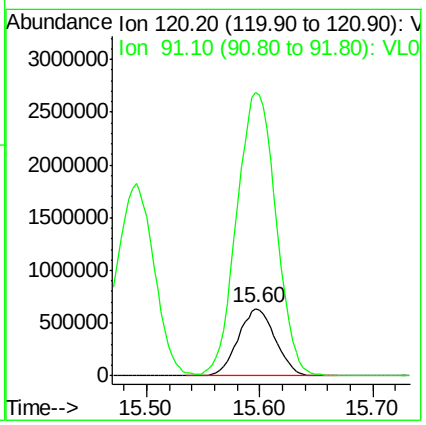


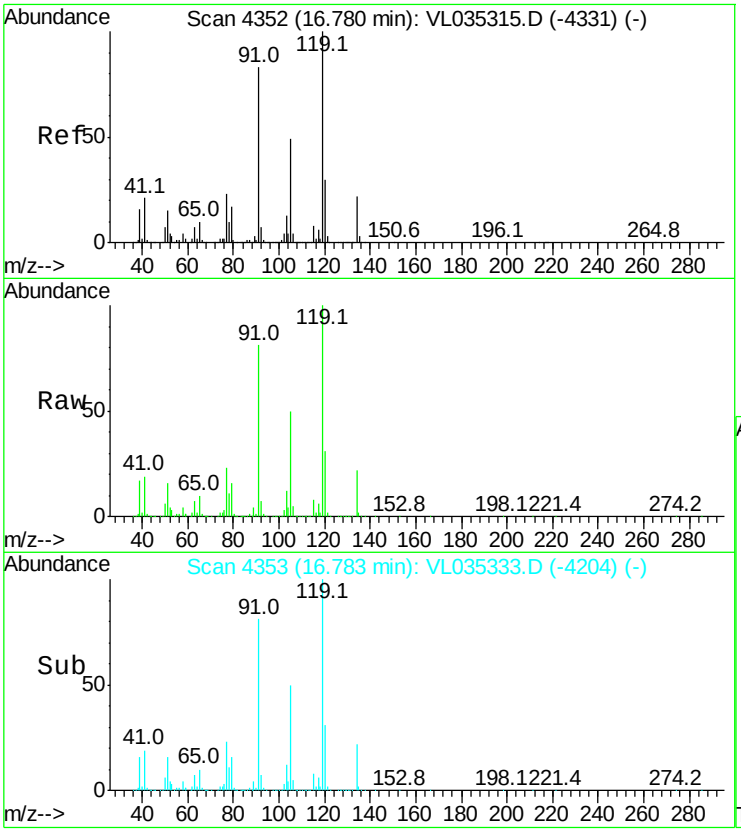


#64
n-propylbenzene
Concen: 8.410 ppbv
RT: 15.60 min Scan# 3984
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:120 Resp: 1452596

Ion	Ratio	Lower	Upper
120	100		
91	446.5	369.4	554.2



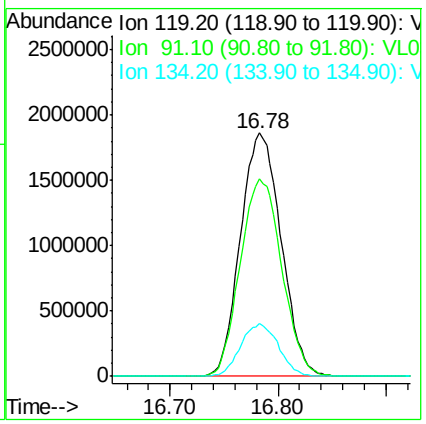


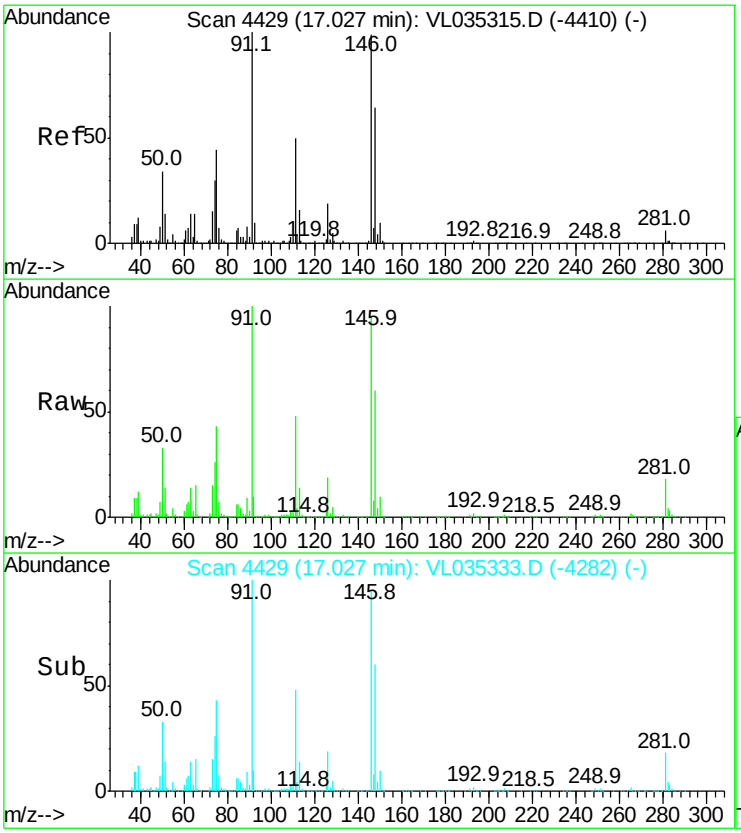
#65
tert-Butylbenzene
Concen: 8.263 ppbv
RT: 16.78 min Scan# 4353
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 4885556

Ion	Ratio	Lower	Upper
119	100		
91	82.9	66.7	100.1
134	20.2	15.8	23.8

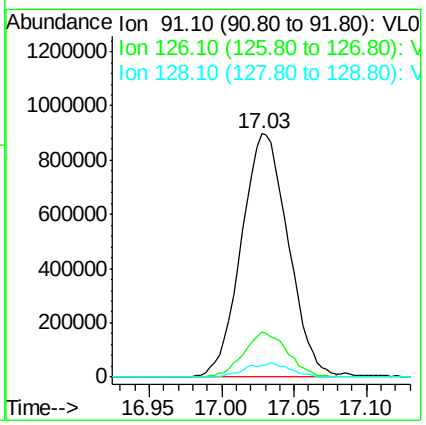


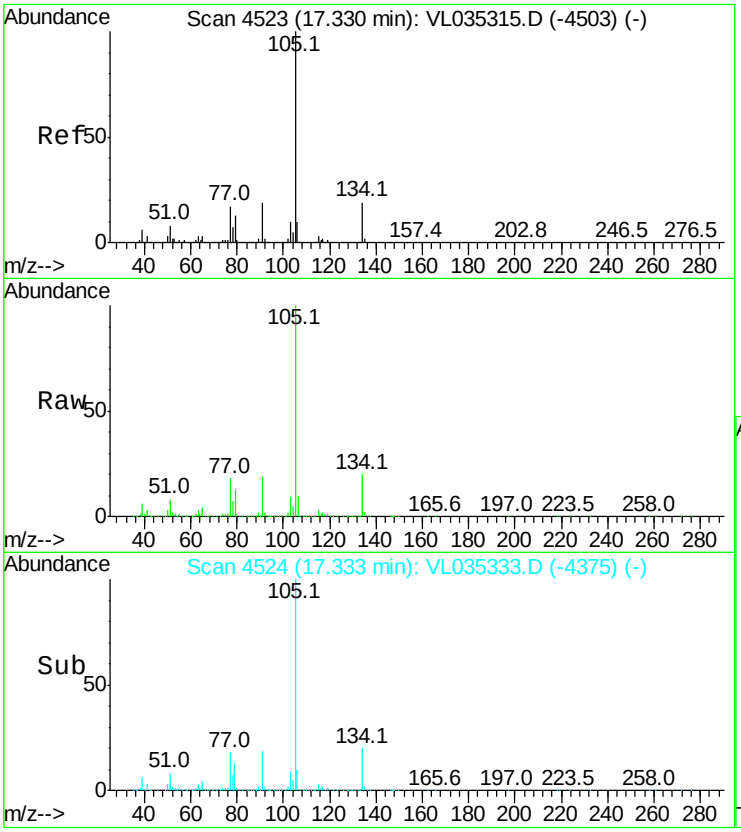


#66
Benzyl Chloride
Concen: 8.768 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 91 Resp: 2004141

Ion	Ratio	Lower	Upper
91	100		
126	17.6	13.9	20.9
128	5.6	4.6	6.8



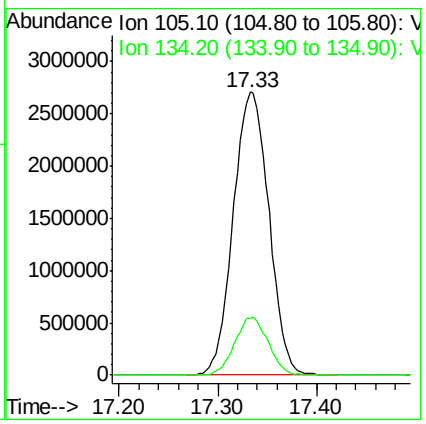


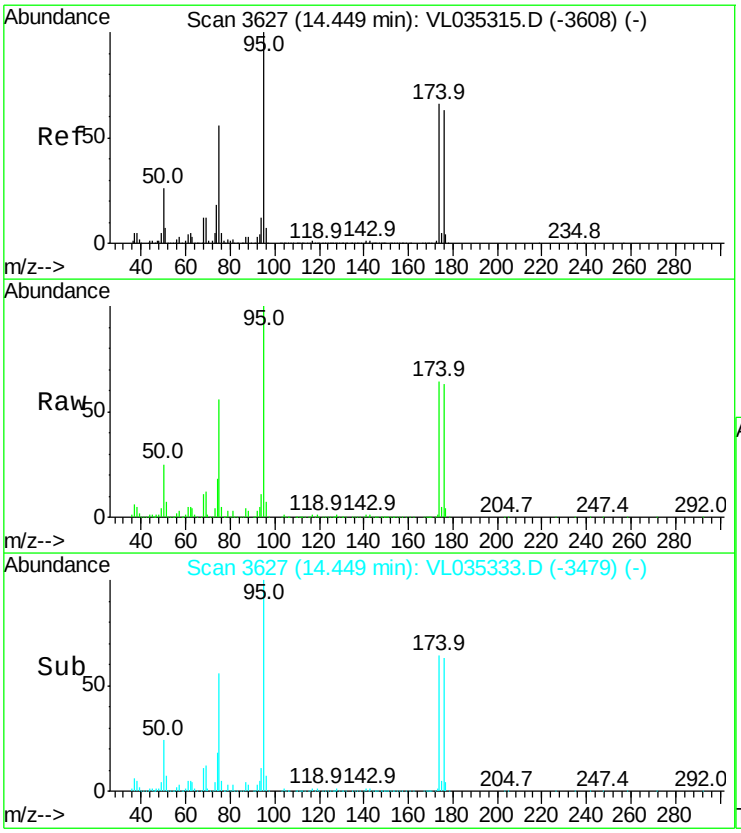
#67
sec-Butylbenzene
Concen: 8.085 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 6757952

Ion	Ratio	Lower	Upper
105	100		
134	19.3	15.0	22.4

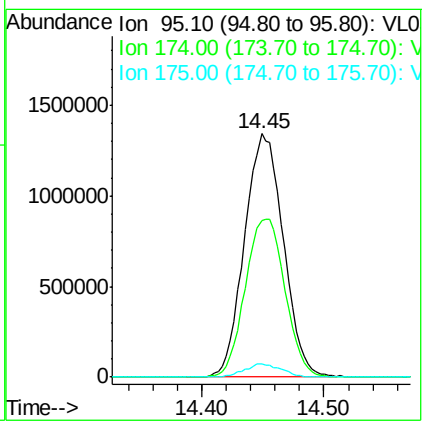


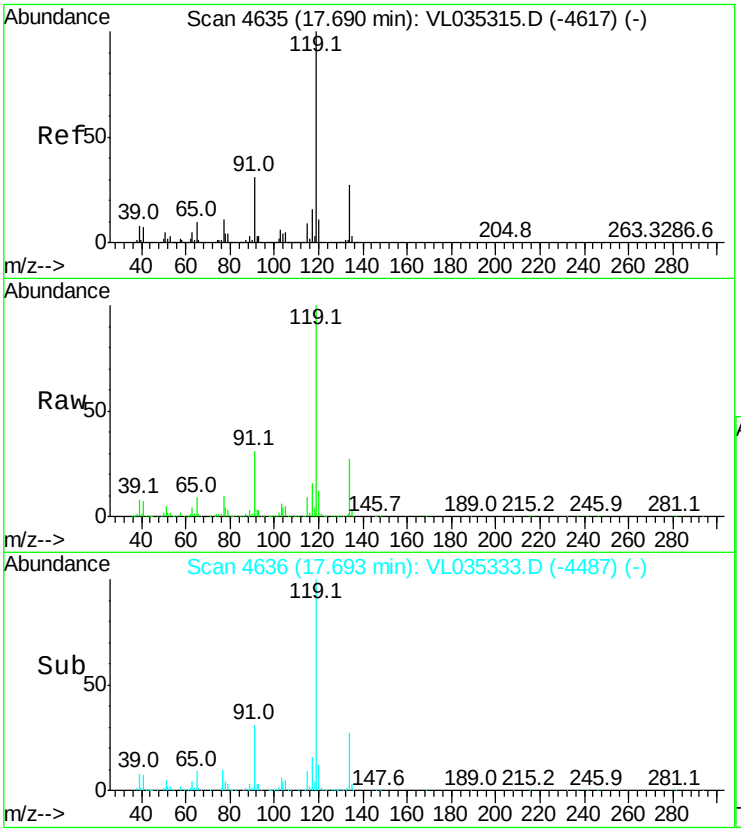


#68
1-Bromo-4-Fluorobenzene
Concen: 8.055 ppbv
RT: 14.45 min Scan# 3627
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 95 Resp: 2954640

Ion	Ratio	Lower	Upper
95	100		
174	66.9	53.4	80.2
175	5.2	3.8	5.8



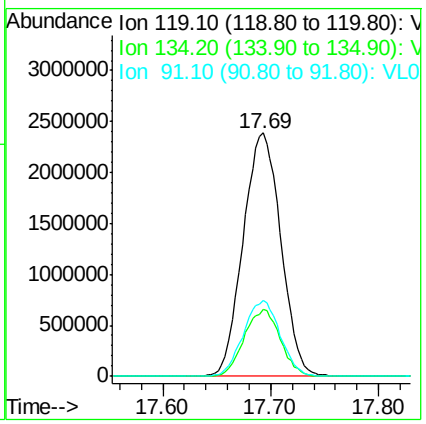


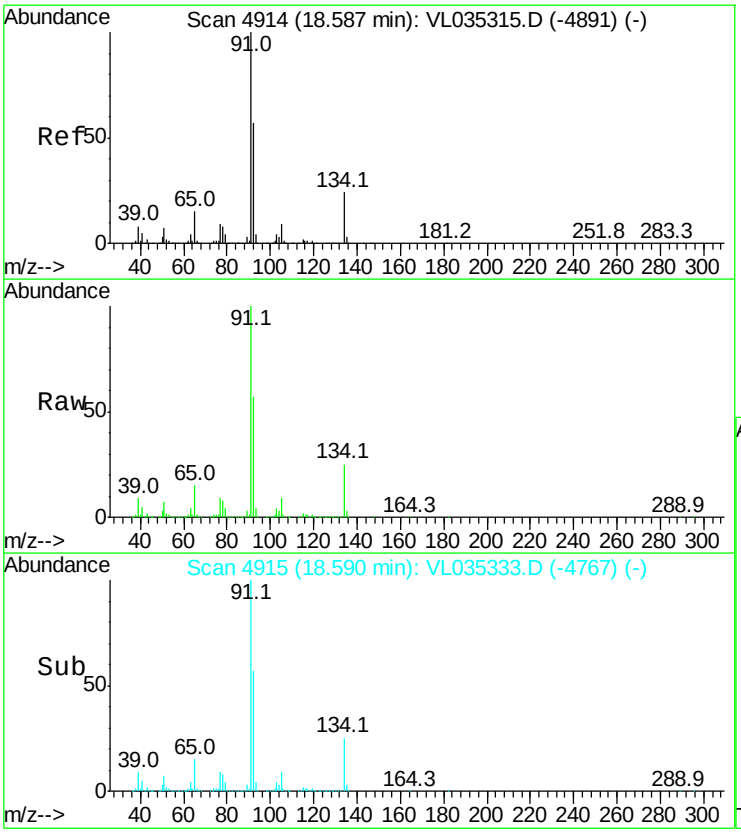
#69
p-Isopropyltoluene
Concen: 8.362 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 5782584

Ion	Ratio	Lower	Upper
119	100		
134	26.4	20.5	30.7
91	30.6	24.8	37.2

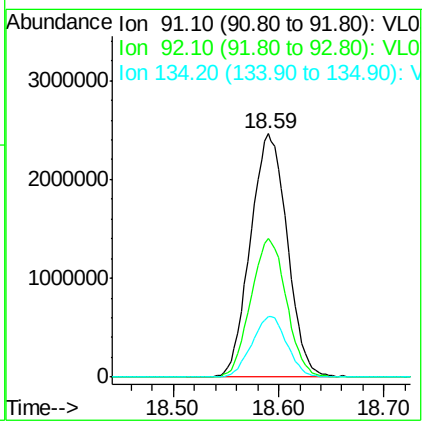


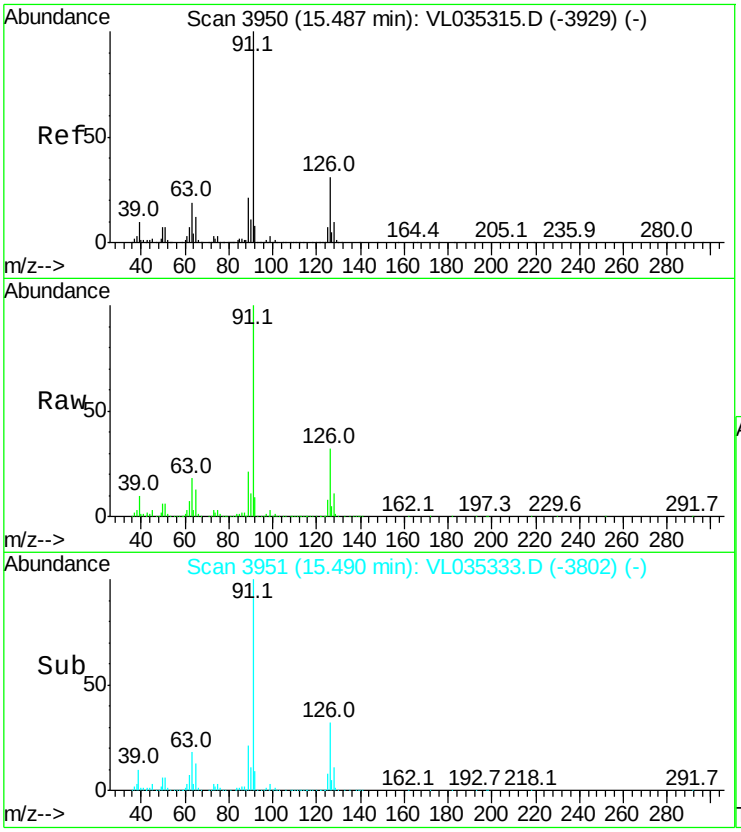


#70
n-Butylbenzene
Concen: 8.042 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion: 91 Resp: 5983241

Ion	Ratio	Lower	Upper
91	100		
92	55.2	44.0	66.0
134	23.8	18.4	27.6



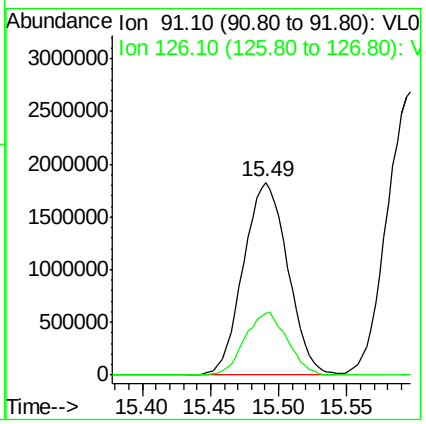


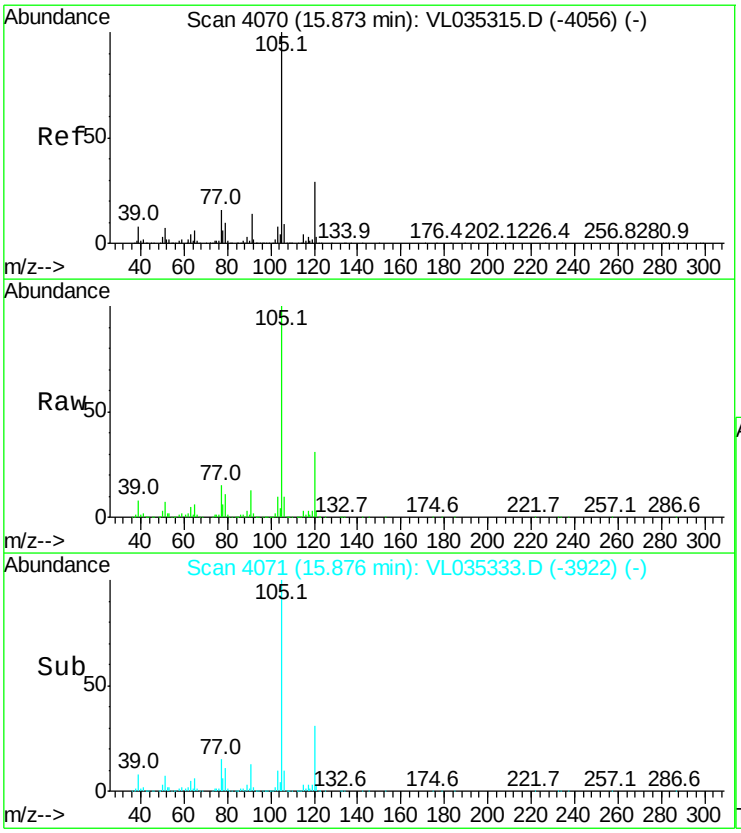
#71
2-Chlorotoluene
Concen: 8.387 ppbv
RT: 15.49 min Scan# 3951
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 4132729

Ion	Ratio	Lower	Upper
91	100		
126	31.3	12.2	49.0

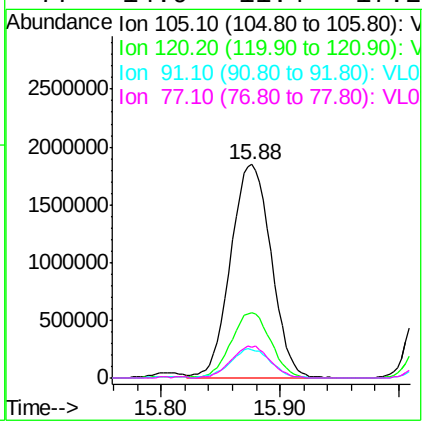


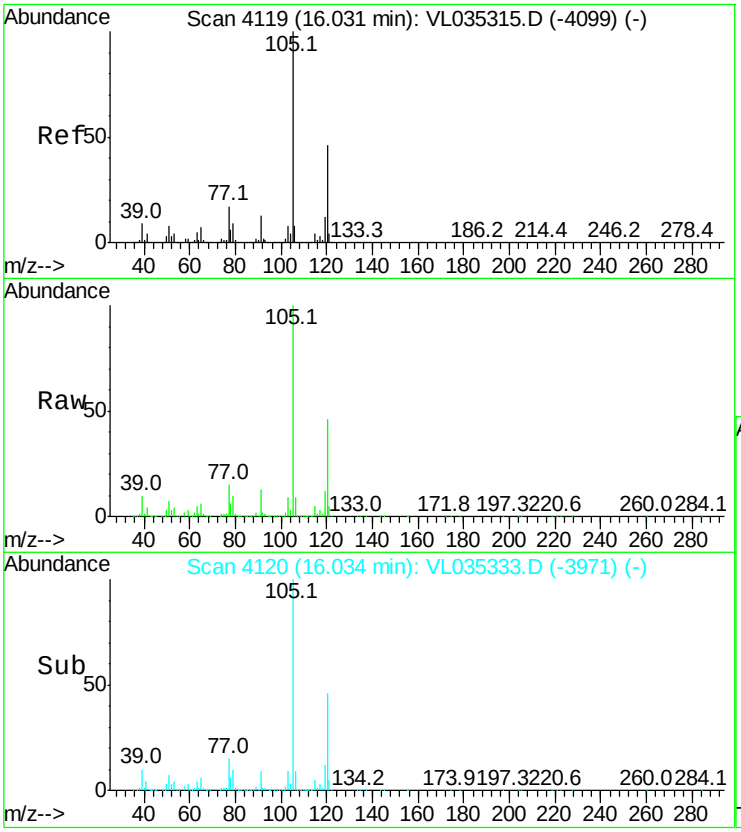


#72
4-Ethyltoluene
Concen: 8.804 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:105 Resp: 4347768

Ion	Ratio	Lower	Upper
105	100		
120	30.0	23.6	35.4
91	13.5	10.7	16.1
77	14.9	11.4	17.2



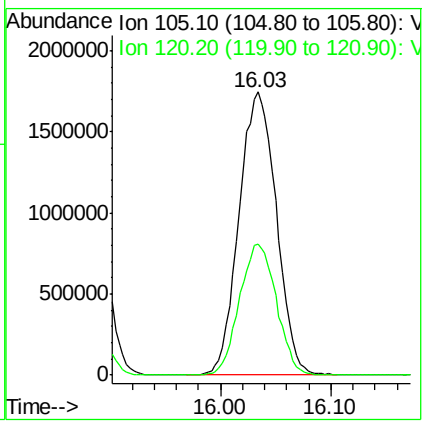


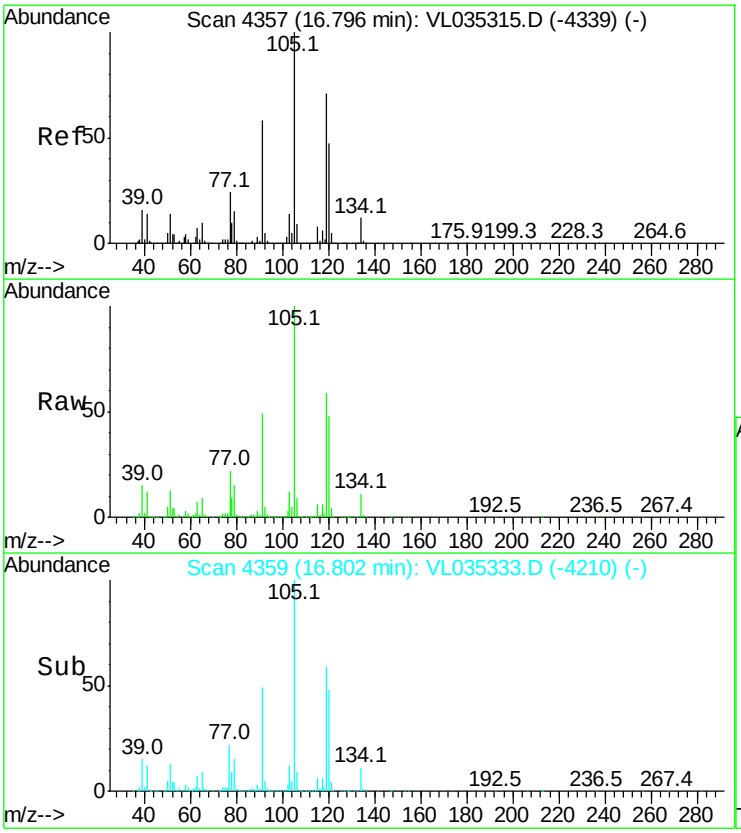
#73
1,3,5-Trimethylbenzene
Concen: 8.461 ppbv
RT: 16.03 min Scan# 4120
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 4093055

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.1	54.1

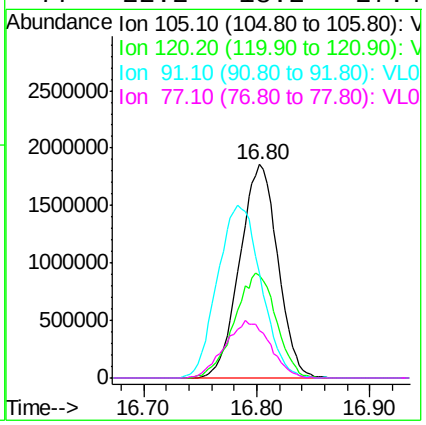


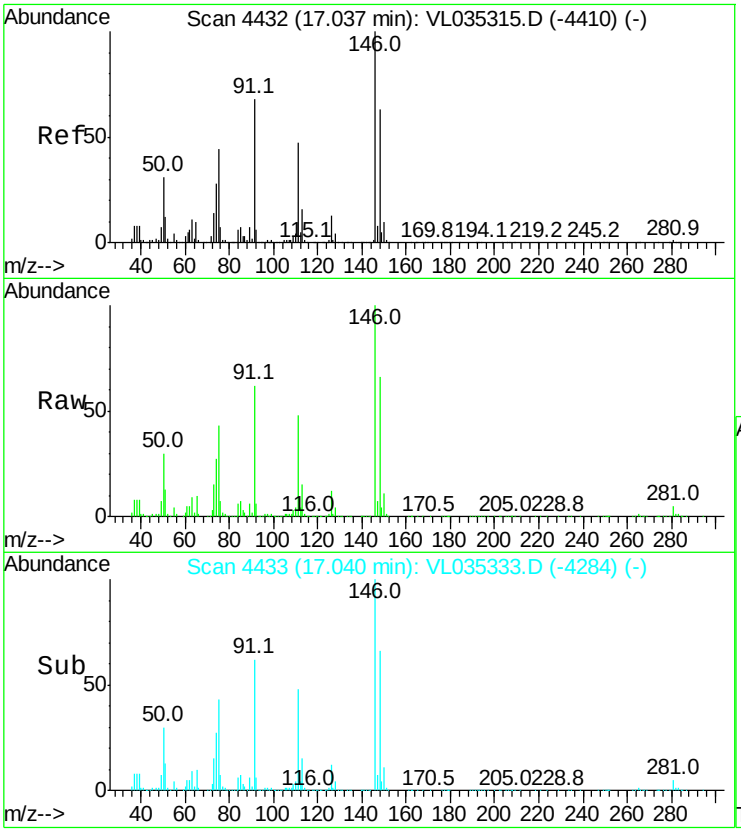


#74
1,2,4-Trimethylbenzene
Concen: 7.823 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:105 Resp: 4338882

Ion	Ratio	Lower	Upper
105	100		
120	48.1	39.0	58.4
91	48.8	42.6	63.8
77	22.2	18.2	27.4



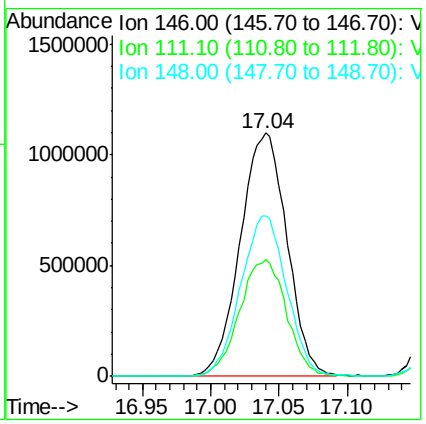


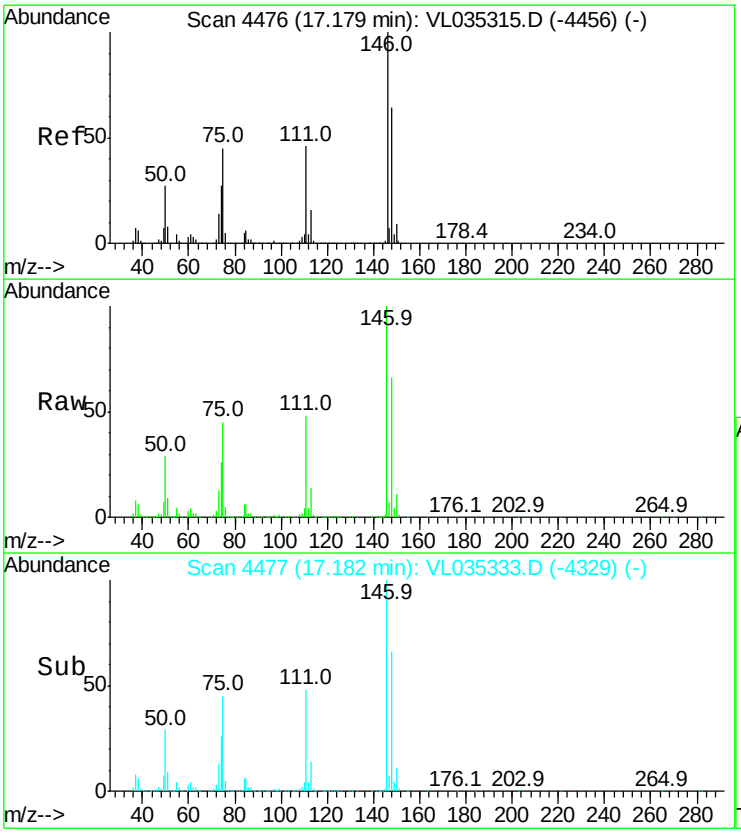
#75
1,3-Dichlorobenzene
Concen: 7.540 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:146 Resp: 2601164

Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.4	73.2
148	65.3	32.3	96.9

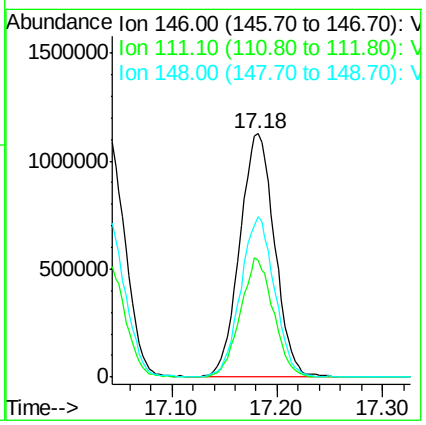


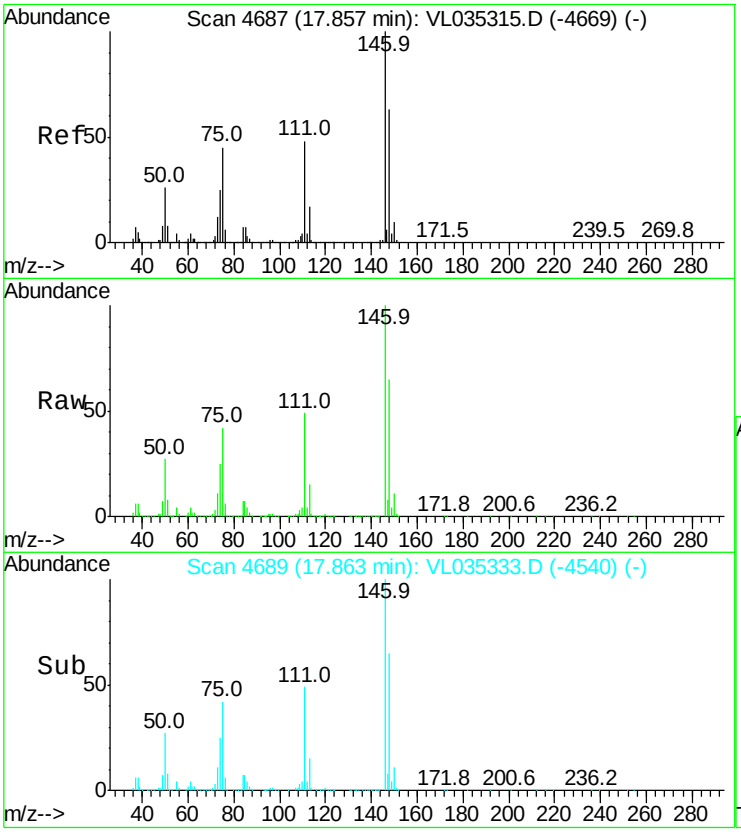


#76
1,4-Dichlorobenzene
Concen: 7.907 ppbv
RT: 17.18 min Scan# 4477
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:146 Resp: 2582365

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.1	69.3
148	64.3	31.9	95.9



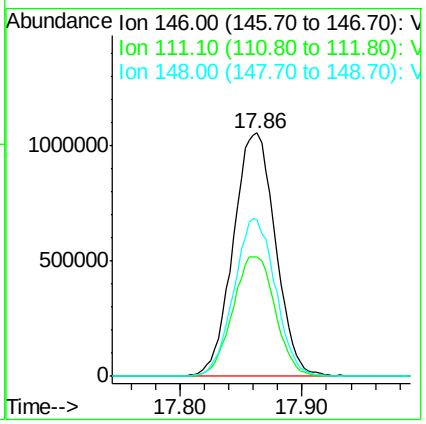


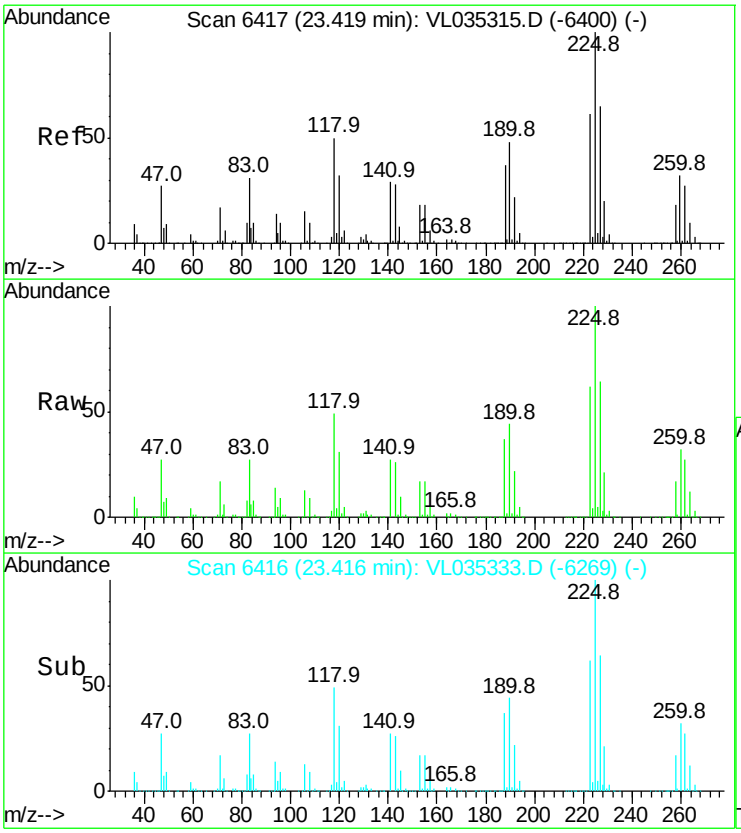
#77
1,2-Dichlorobenzene
Concen: 7.907 ppbv
RT: 17.86 min Scan# 4689
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 2515860

Ion	Ratio	Lower	Upper
146	100		
111	49.8	24.9	74.6
148	63.9	32.3	96.8

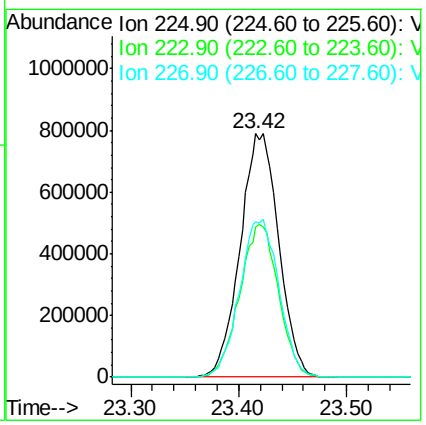


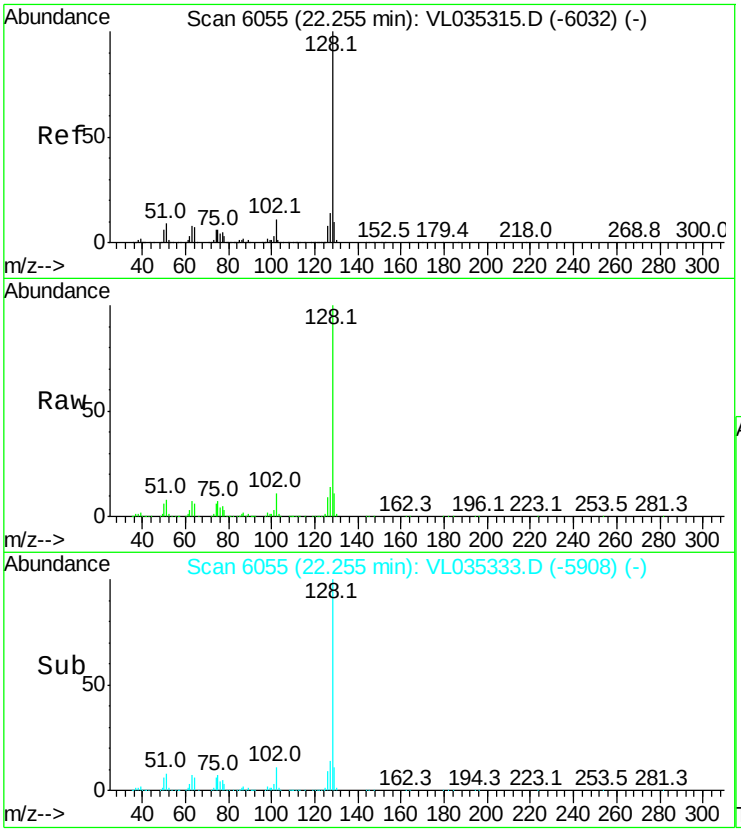


#78
Hexachloro-1,3-Butadiene
Concen: 7.600 ppbv
RT: 23.42 min Scan# 6416
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:225 Resp: 1963448

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.9	76.3
227	65.9	51.0	76.4



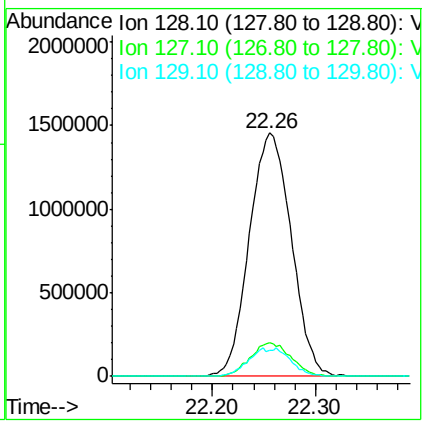


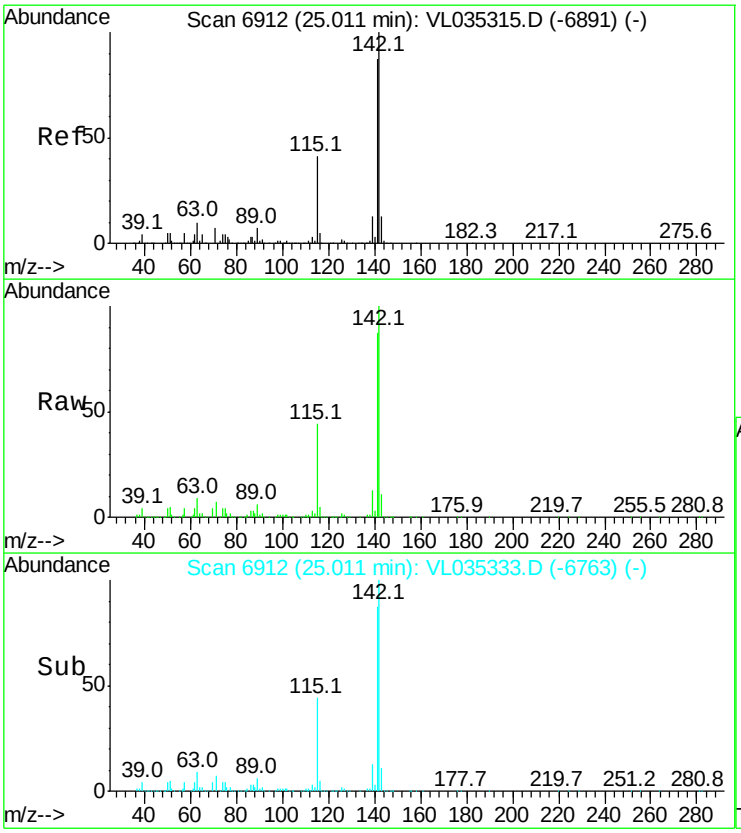
#79
Naphthalene
Concen: 9.349 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. -0.03 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 4103977

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.1	15.1
129	10.9	8.5	12.7

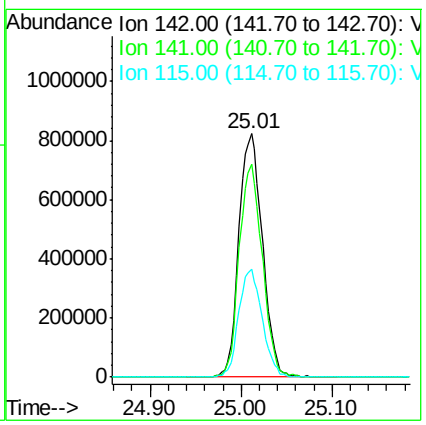


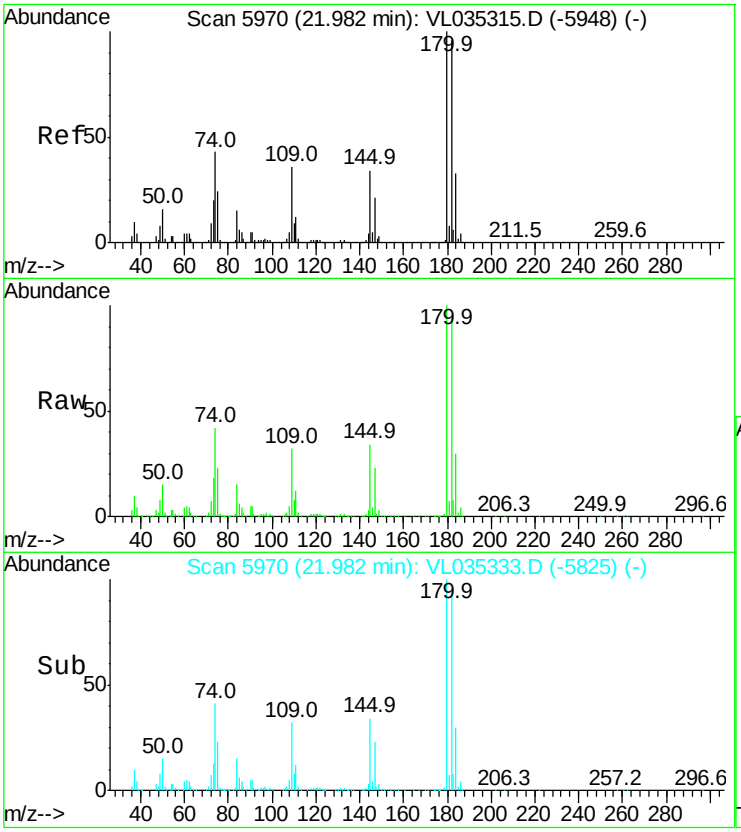


#80
Naphthalene,2-methyl-
Concen: 11.479 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. -0.02 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Tgt Ion:142 Resp: 1479573

Ion	Ratio	Lower	Upper
142	100		
141	86.3	68.1	102.1
115	44.4	35.7	53.5





#81
1,2,4-Trichlorobenzene
Concen: 8.630 ppbv
RT: 21.98 min Scan# 5970
Delta R.T. -0.04 min
Lab File: VL035333.D
Acq: 5 Aug 2020 8:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 2304480

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.4	116.2
184	31.4	25.4	38.0