Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120320\

Quantitation Report (Not Reviewed)

Data File : VL036053.D
Acq On : 3 Dec 2020 14:13
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Dec 03 14:56:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 03 14:24:02 2020
QLast Update : Thu Dec 03 14:24:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1199267	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	4283004	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	3895325	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2925079	9.83	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	126213	0.605	ppbv		94
3) Chlorodifluoromethane	2.97	51	74439	0.526	ppbv		98
4) Chloromethane	3.12	50	37246	0.538	ppbv		89
5) Vinyl Chloride	3.24	62	40847	0.465	ppbv		95
6) Bromomethane	3.46	94	33938	0.491	ppbv		94
7) Chloroethane	3.55	64	16213	0.513	ppbv	#	82
8) Dichlorotetrafluoroethane	3.17	85	129813	0.527	ppbv		97
9) Propene	2.99	41	23971	0.485	ppbv		89
10) Heptane	8.11	43	56386	0.418	ppbv		93
11) Trichlorofluoromethane	3.93	101	139927	0.495	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	110082	0.517	ppbv		99
13) Ethanol	3.60	45	4629	0.463	ppbv	#	35
14) Bromoethene	3.73	108	43539	0.505	ppbv	#	95
15) Acetone	3.85	43	73593	0.591	ppbv	#	84
16) 1,3-Butadiene	3.31	39	26159	0.478	ppbv		93
17) tert-Butyl alcohol	4.29	59	76577	0.561	ppbv		96
18) 1,1-Dichloroethene	4.27	96	47442	0.502	ppbv		90
19) Isopropyl Alcohol	3.97	45	36083	0.540	ppbv	#	74
20) Methylene Chloride	4.33	84	70847	0.657	ppbv		98
21) Allyl Chloride	4.40	41	30913	0.466	ppbv		93
22) trans-1,2-Dichloroethene	4.87	96	47839	0.510	ppbv		97
23) Vinyl Acetate	5.07	43	65216	0.443	ppbv	#	94
24) 1,1-Dichloroethane	5.00	63	86155	0.513	ppbv		97
25) Ethyl Acetate	5.67	43	55766	0.223	ppbv	#	61
26) Hexane	5.67	57	71052	0.534	ppbv		98
27) Carbon Disulfide	4.54	76	85180	0.440	ppbv		96
28) Methyl tert-Butyl Ether	5.03	73	97183	0.490	ppbv		97
29) Chloroform	5.74	83	130802	0.520	ppbv		96
30) Cyclohexane	7.11	84	53002	0.422	ppbv	#	76
31) cis-1,2-Dichloroethene	5.53	61	59033	0.485	ppbv		97
32) 1,1,1-Trichloroethane	6.50	97	49888	0.216	ppbv	#	6
34) 2-Butanone	5.24	43	67353	0.459	ppbv		89
35) Carbon Tetrachloride	7.00	117	102727	0.459	ppbv		92
36) Benzene	6.88	78	139677	0.477	ppbv		94
37) 1,2-Dichloroethane	6.29	62	76753	0.505	ppbv		100
38) Trichloroethene	7.83	130	60518	0.462	ppbv		93
39) 1,2-Dichloropropane	7.60	63	54301	0.484	ppbv		90
40) 1,4-Dioxane	7.78	88	150	0.004	ppbv	#	1
41) Tetrahydrofuran	6.06	42	29150	0.380	ppbv		96
42) Bromodichloromethane	7.78	83	103730	0.432	ppbv		95
43) Methyl Methacrylate	8.01	69	41702	0.391	ppbv		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120320\

Quantitation Report (Not Reviewed)

Data File : VL036053.D
Acq On : 3 Dec 2020 14:13
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Dec 03 14:56:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 03 14:24:02 2020
QLast Update : Thu Dec 03 14:24:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	197221	0.454	ppbv		94
45) t-1,3-Dichloropropene	9.27	75	32910	0.326	ppbv		100
46) cis-1,3-Dichloropropene	8.69	75	46106	0.341	ppbv		95
47) 1,1,2-Trichloroethane	9.46	97	37375	0.266	ppbv		95
48) Dibromochloromethane	10.29	129	75777	0.383	ppbv		96
49) Bromoform	13.03	173	51177	0.348	ppbv		96
50) 4-Methyl-2-Pentanone	8.74	43	49337	0.221	ppbv	#	57
51) 2-Hexanone	10.15	43	28812	0.178	ppbv	#	47
52) Tetrachloroethene	11.21	164	30115	0.265	ppbv		96
53) Toluene	9.80	91	125198	0.393	ppbv		97
54) 1,2-Dibromoethane	10.60	107	88535	0.444	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.12	131	29386	0.185	ppbv	#	9
57) Chlorobenzene	12.14	112	148259	0.516	ppbv	#	90
58) Ethyl Benzene	12.70	91	152728	0.396	ppbv		96
59) m/p-Xylene	12.99	91	170978	0.487	ppbv	#	54
60) o-Xylene	13.68	91	155485	0.439	ppbv		99
61) Styrene	13.52	104	39325	0.196	ppbv	#	50
62) Isopropylbenzene	14.66	105	243264	0.462	ppbv		96
63) 1,1,2,2-Tetrachloroethane	13.67	83	138206	0.465	ppbv		97
64) n-propylbenzene	15.55	120	56296	0.406	ppbv	#	64
65) tert-Butylbenzene	16.74	119	179579	0.407	ppbv		97
66) Benzyl Chloride	16.98	91	8681	0.082	ppbv	#	65
67) sec-Butylbenzene	17.29	105	239005	0.397	ppbv		96
69) p-Isopropyltoluene	17.65	119	166826	0.367	ppbv		96
70) n-Butylbenzene	18.55	91	84664	0.188	ppbv	#	35
71) 2-Chlorotoluene	15.45	91	152748	0.422	ppbv		98
72) 4-Ethyltoluene	15.84	105	135378	0.371	ppbv		99
73) 1,3,5-Trimethylbenzene	16.00	105	127648	0.373	ppbv		92
74) 1,2,4-Trimethylbenzene	16.76	105	163944	0.430	ppbv		97
75) 1,3-Dichlorobenzene	16.99	146	99613	0.432	ppbv		93
76) 1,4-Dichlorobenzene	17.13	146	86369	0.396	ppbv		89
77) 1,2-Dichlorobenzene	17.82	146	94132	0.445	ppbv		92
78) Hexachloro-1,3-Butadiene	23.37	225	58082	0.499	ppbv		98
79) Naphthalene	22.20	128	18243	0.103	ppbv		97
80) Naphthalene,2-methyl-	25.02	142	5943	0.169	ppbv	#	66
81) 1,2,4-Trichlorobenzene	21.93	180	18216	0.149	ppbv	#	6

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

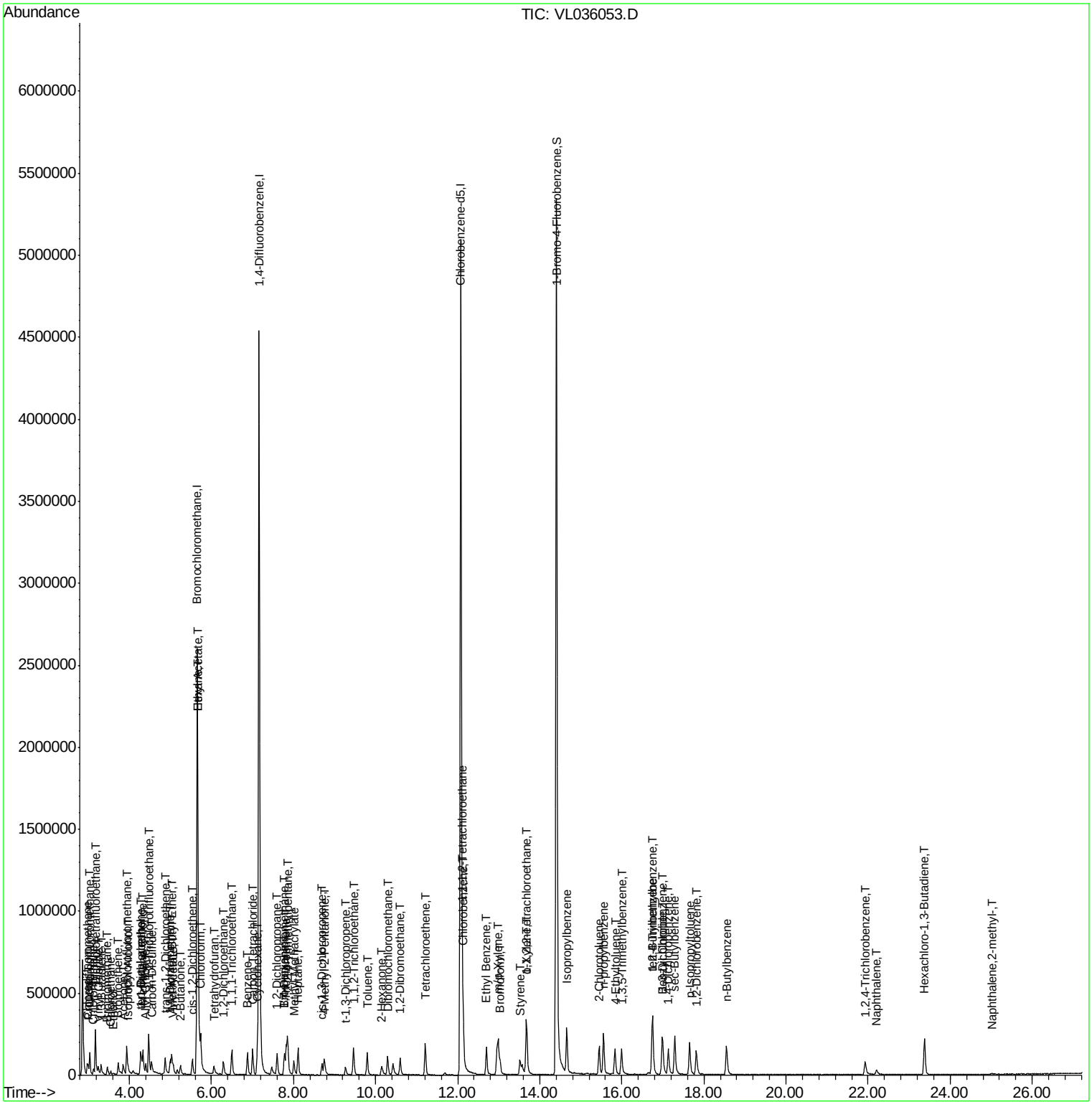
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120320\

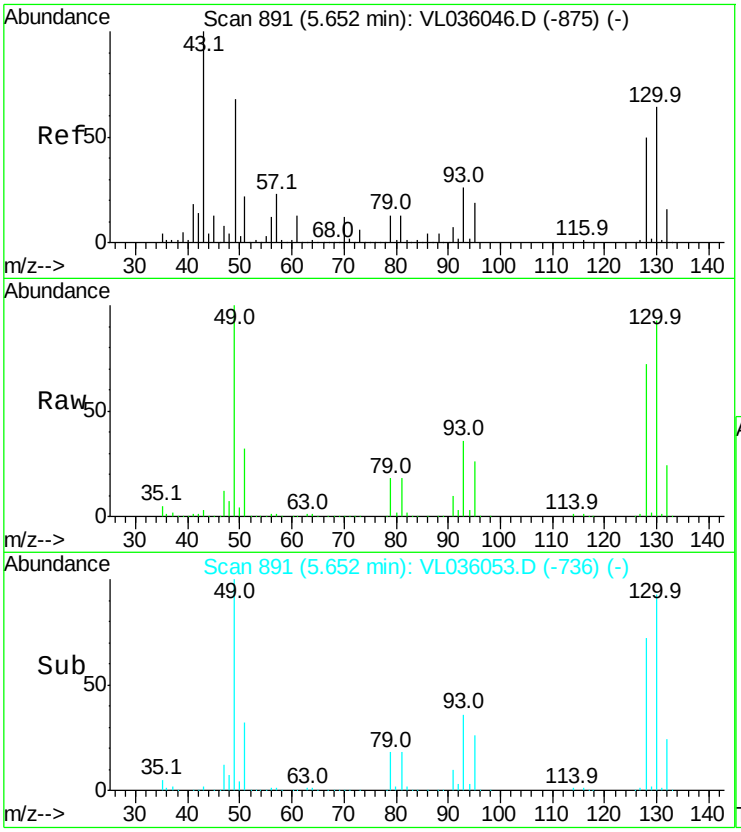
Quantitation Report (Not Reviewed)

Data File : VL036053.D
Acq On : 3 Dec 2020 14:13
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Dec 03 14:56:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 03 14:24:02 2020
QLast Update : Thu Dec 03 14:24:02 2020
Response via : Initial Calibration



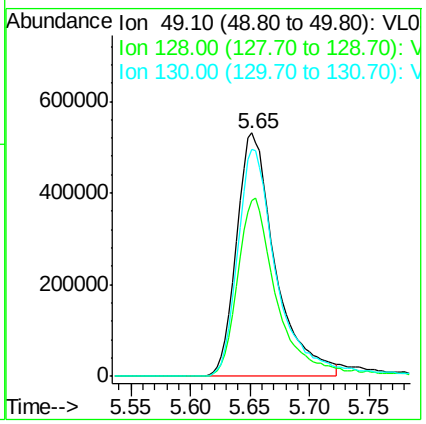


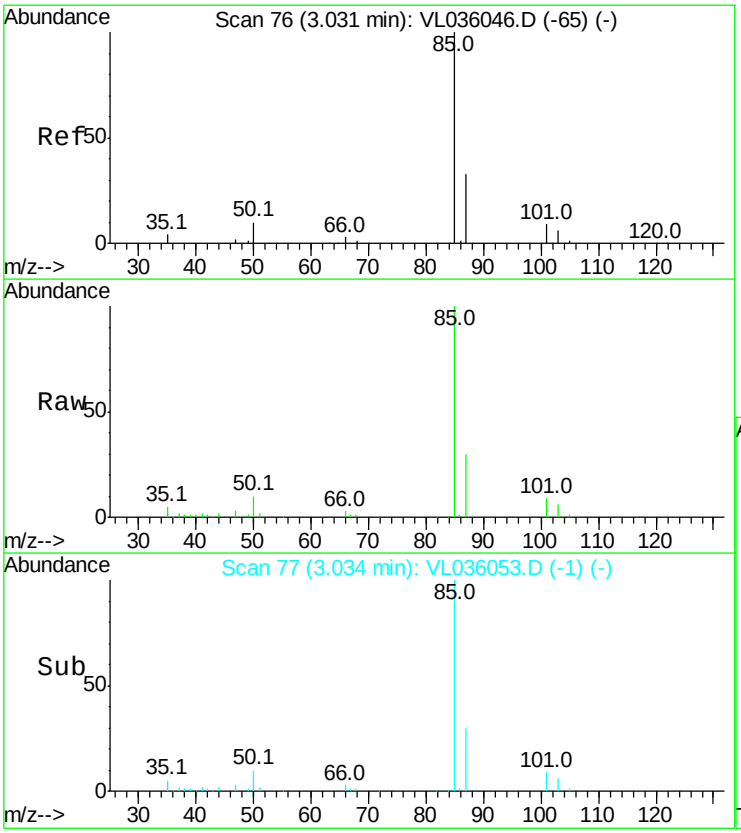
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 1199267

Ion	Ratio	Lower	Upper
49	100		
128	76.2	38.3	114.8
130	96.9	49.1	147.4

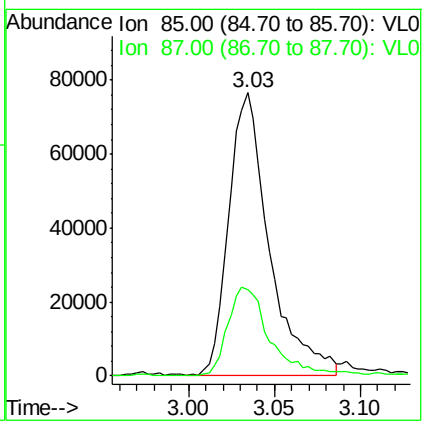


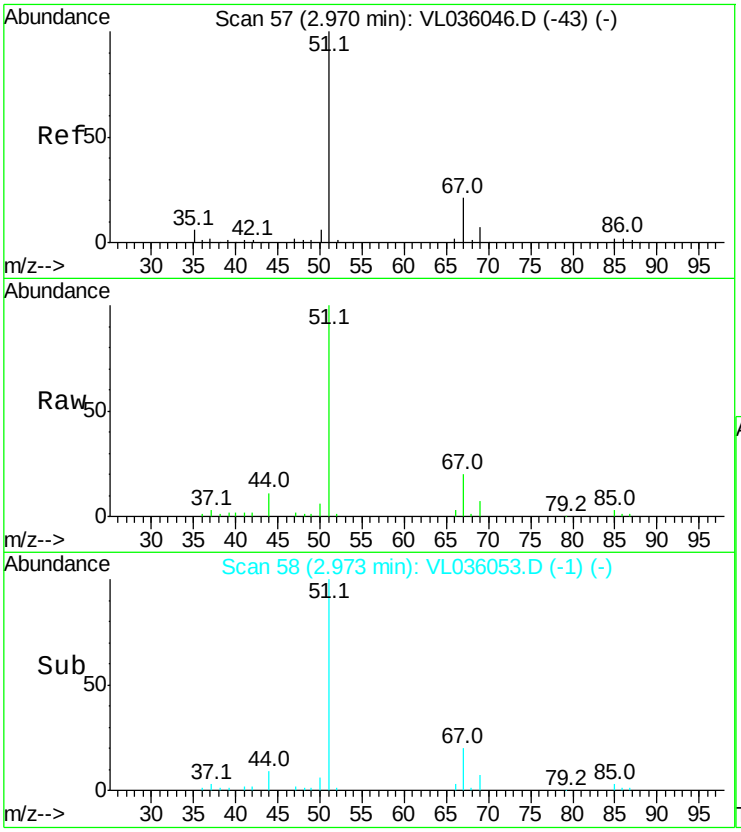


#2
Dichlorodifluoromethane
Concen: 0.605 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 85 Resp: 126213

Ion	Ratio	Lower	Upper
85	100		
87	30.3	26.8	40.2



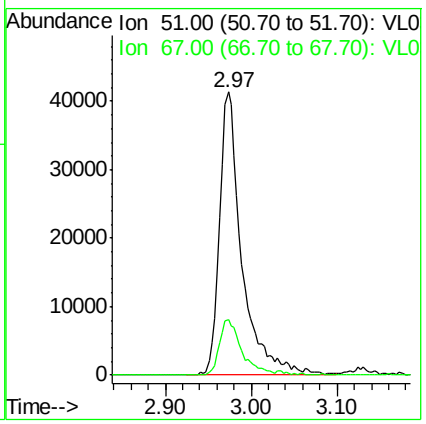


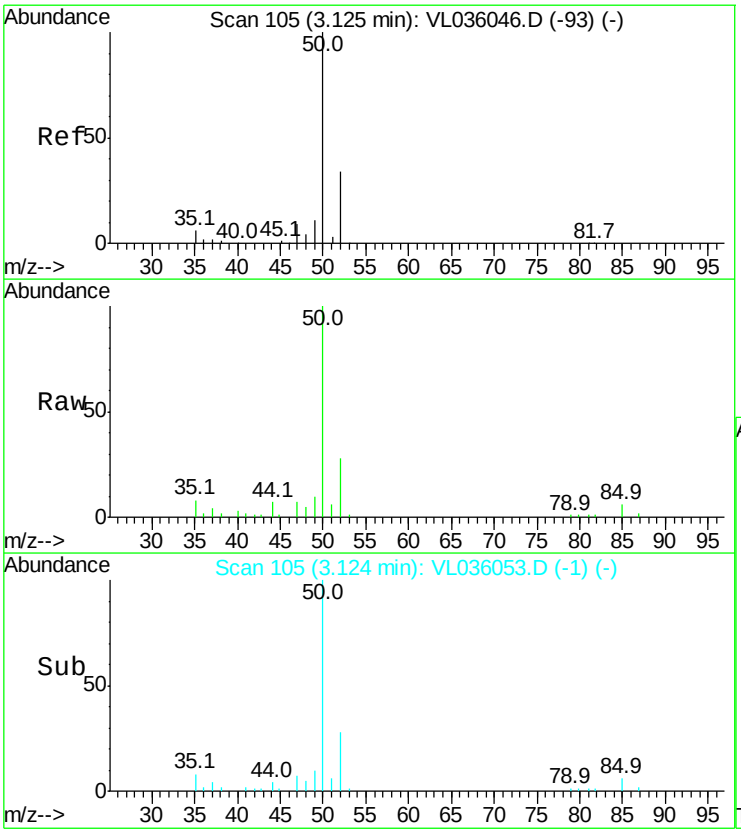
#3
Chlorodifluoromethane
Concen: 0.526 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 51 Resp: 74439

Ion	Ratio	Lower	Upper
51	100		
67	20.2	16.9	25.3

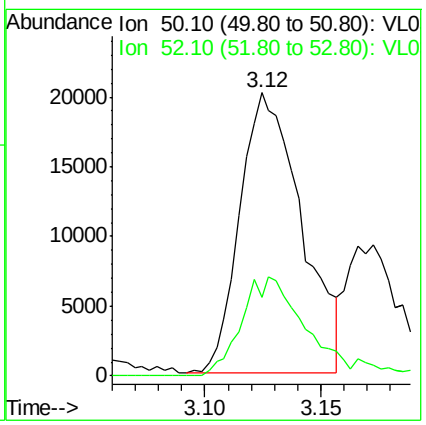


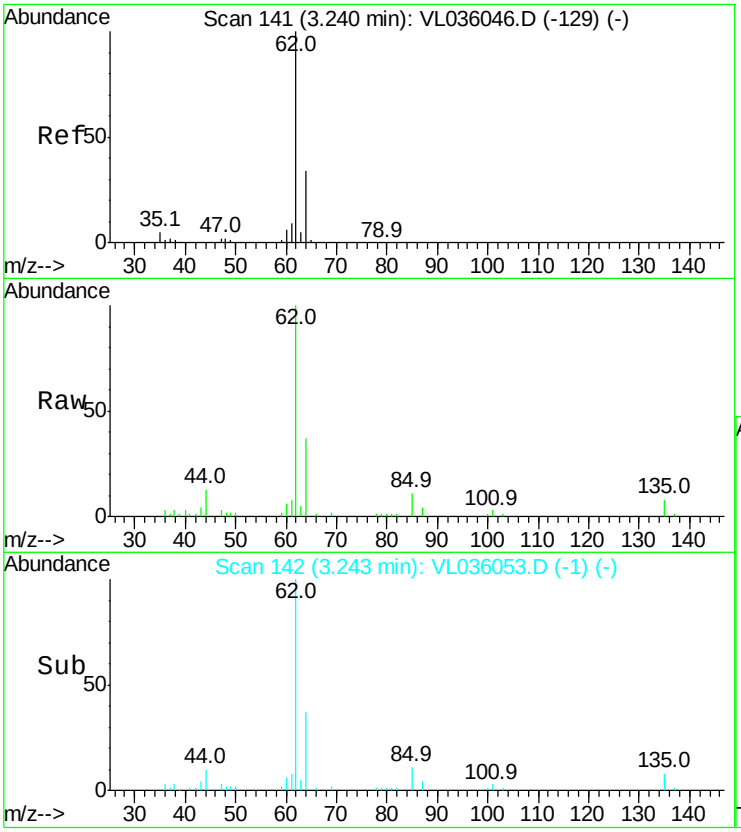


#4
Chloromethane
Concen: 0.538 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 50 Resp: 37246

Ion	Ratio	Lower	Upper
50	100		
52	28.2	27.6	41.4



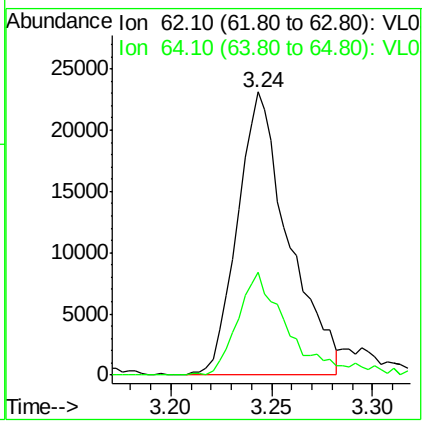


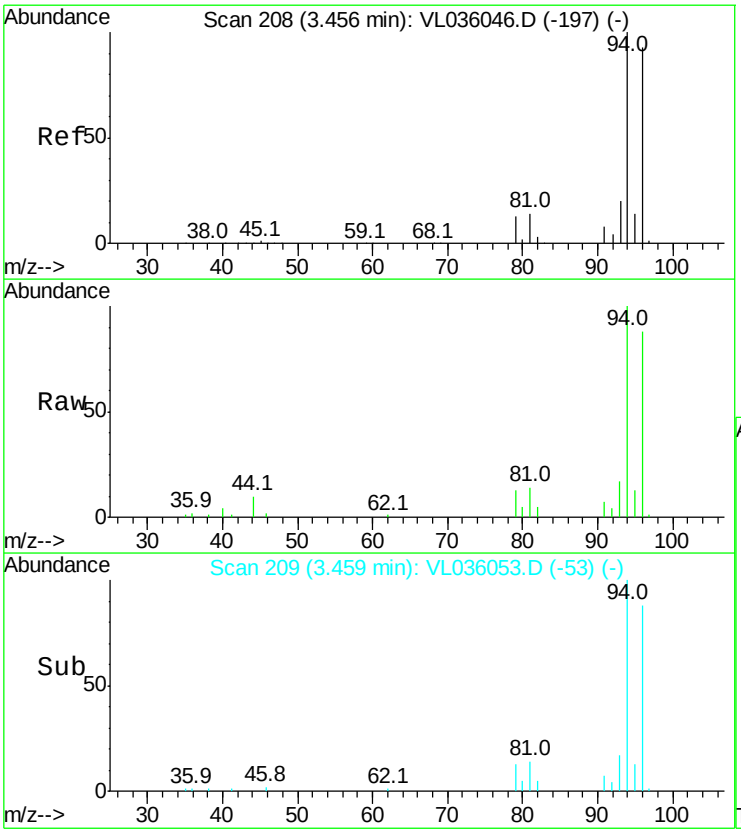
#5
Vinyl Chloride
Concen: 0.465 ppbv
RT: 3.24 min Scan# 142
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 40847

Ion	Ratio	Lower	Upper
62	100		
64	36.5	26.8	40.2

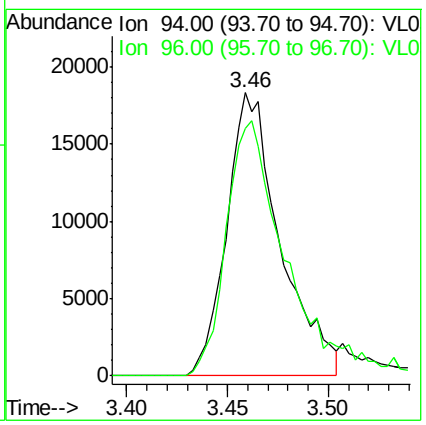


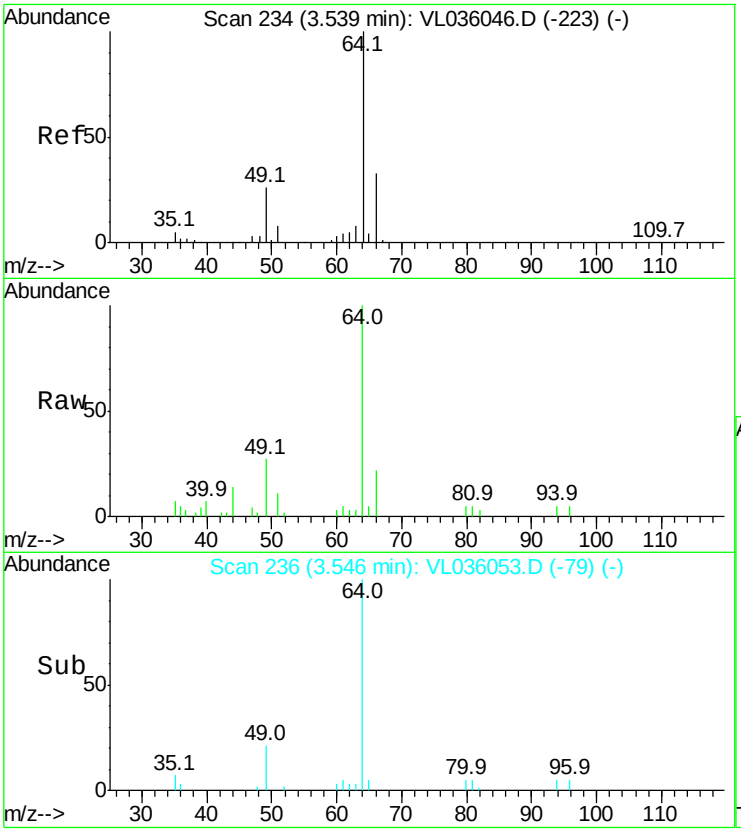


#6
Bromomethane
Concen: 0.491 ppbv
RT: 3.46 min Scan# 209
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 94 Resp: 33938

Ion	Ratio	Lower	Upper
94	100		
96	87.6	74.8	112.2



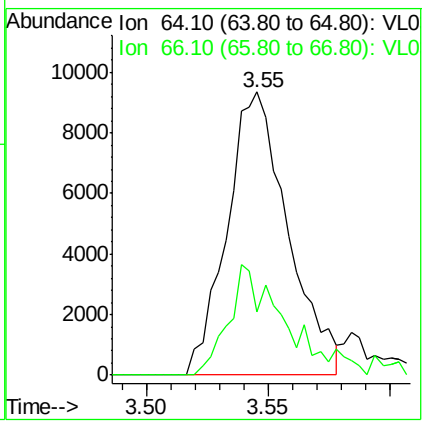


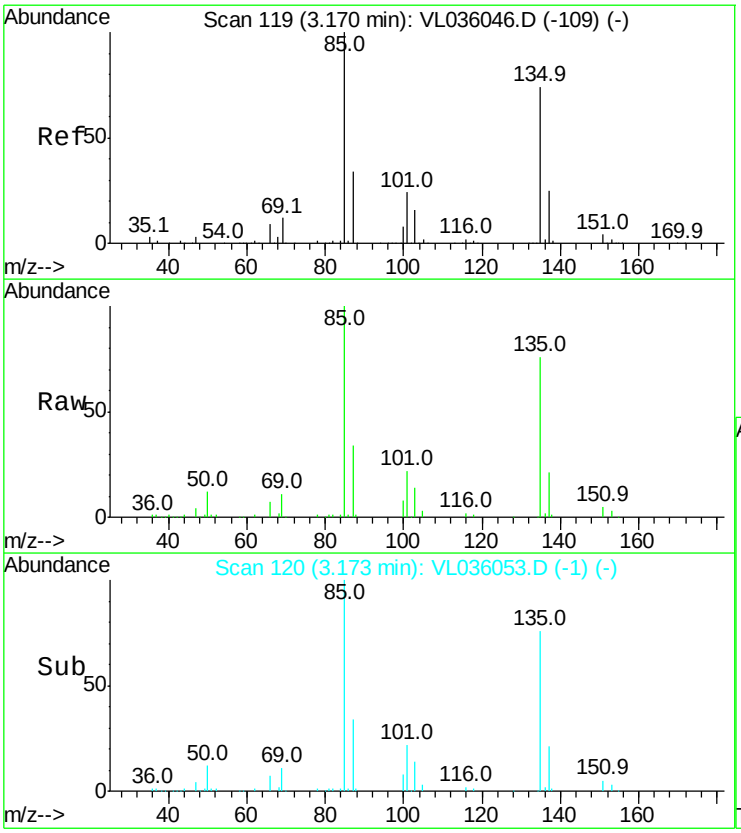
#7
Chloroethane
Concen: 0.513 ppbv
RT: 3.55 min Scan# 236
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 16213

Ion	Ratio	Lower	Upper
64	100		
66	22.3	26.1	39.1#

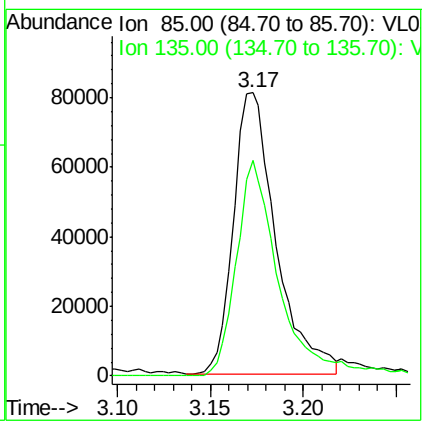


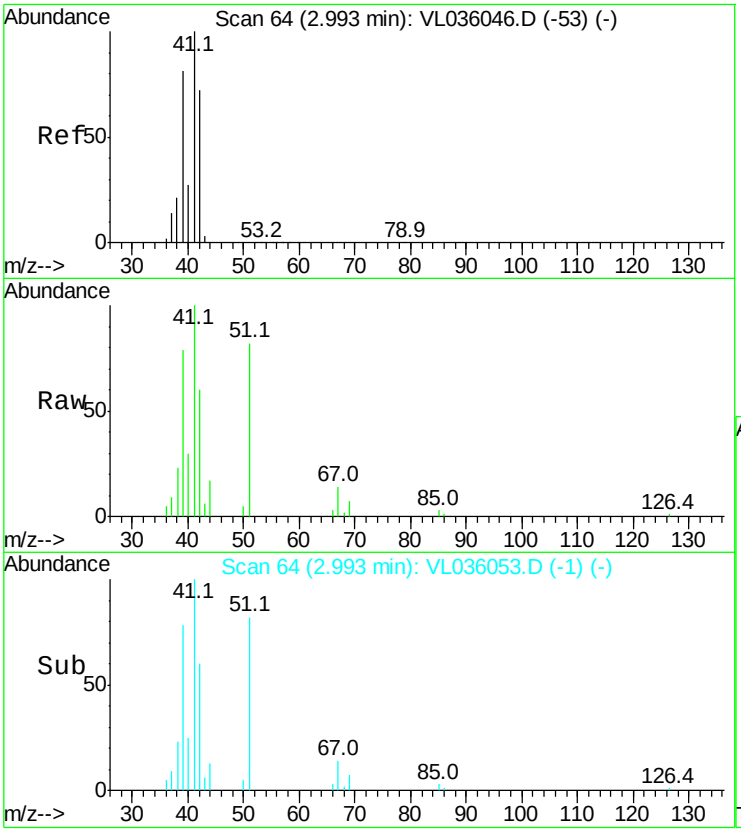


#8
Dichlorotetrafluoroethane
Concen: 0.527 ppbv
RT: 3.17 min Scan# 120
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 85 Resp: 129813

Ion	Ratio	Lower	Upper
85	100		
135	77.9	60.2	90.2



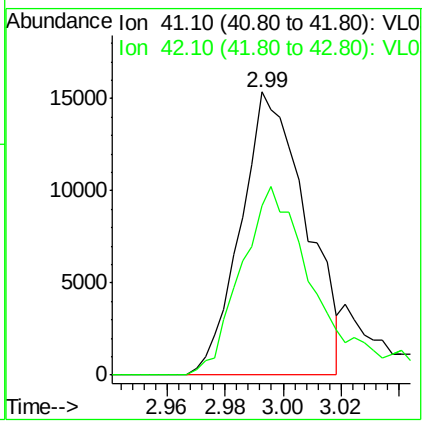


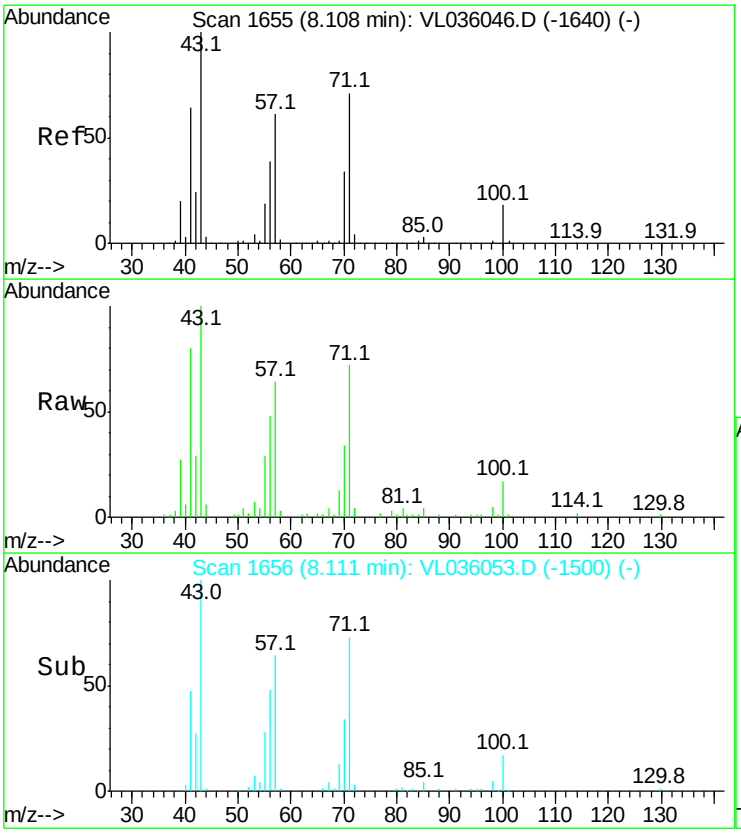
#9
Propene
Concen: 0.485 ppbv
RT: 2.99 min Scan# 64
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 23971

Ion	Ratio	Lower	Upper
41	100		
42	80.5	56.9	85.3

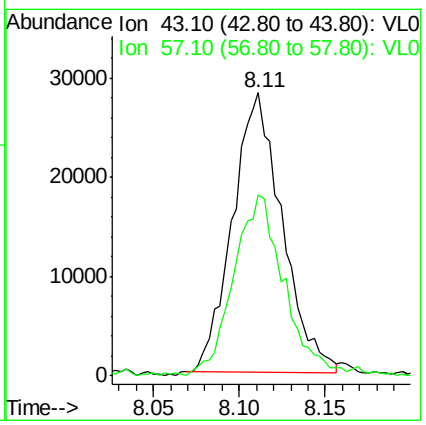


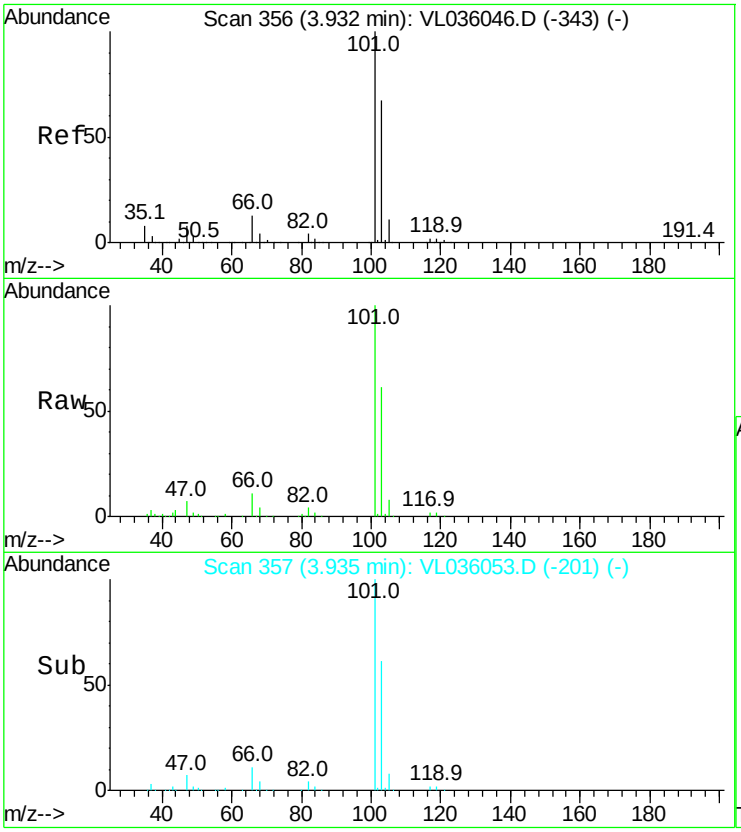


#10
Heptane
Concen: 0.418 ppbv
RT: 8.11 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 43 Resp: 56386

Ion	Ratio	Lower	Upper
43	100		
57	67.0	49.2	73.8



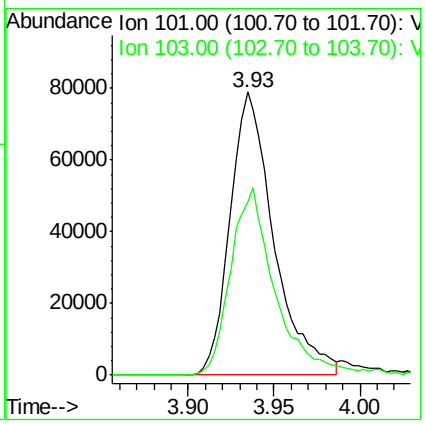


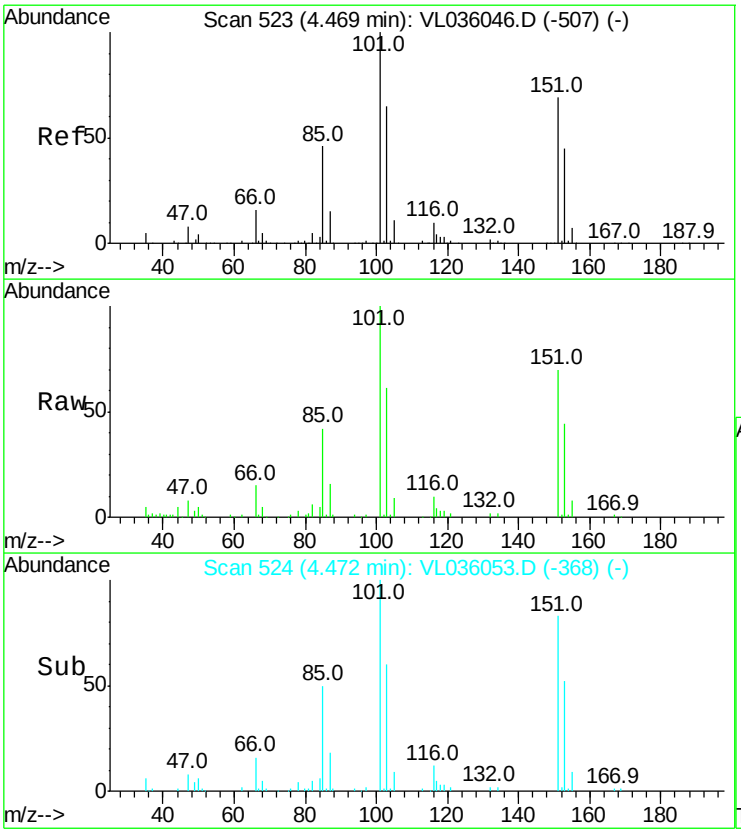
#11
Trichlorofluoromethane
Concen: 0.495 ppbv
RT: 3.93 min Scan# 357
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 139927

Ion	Ratio	Lower	Upper
101	100		
103	61.4	53.2	79.8

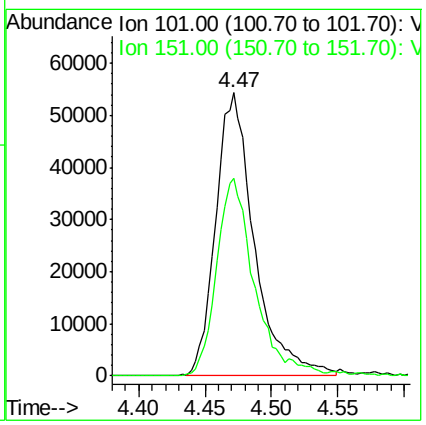


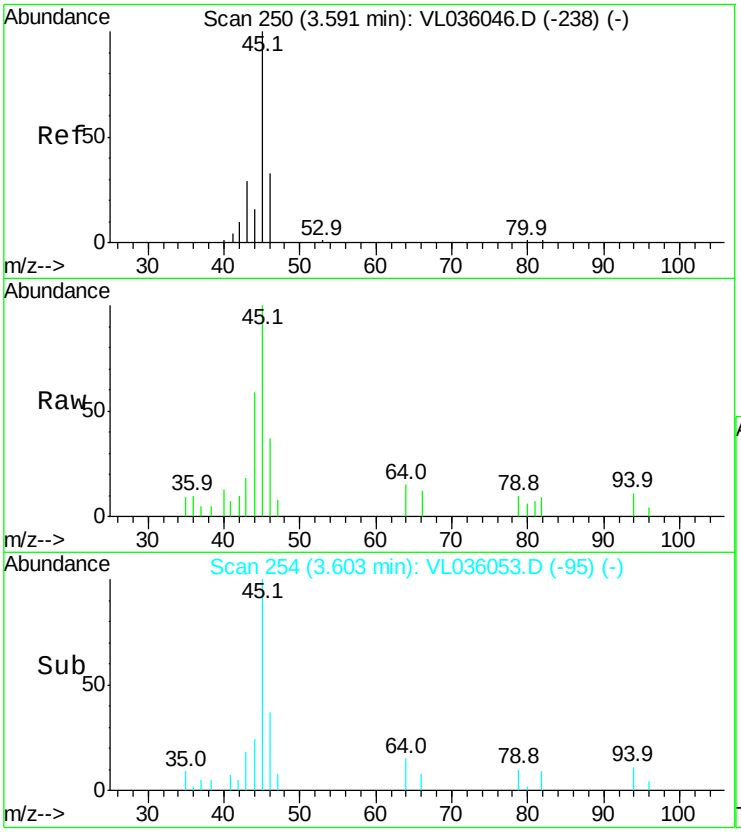


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.517 ppbv
RT: 4.47 min Scan# 524
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:101 Resp: 110082

Ion	Ratio	Lower	Upper
101	100		
151	69.3	56.1	84.1



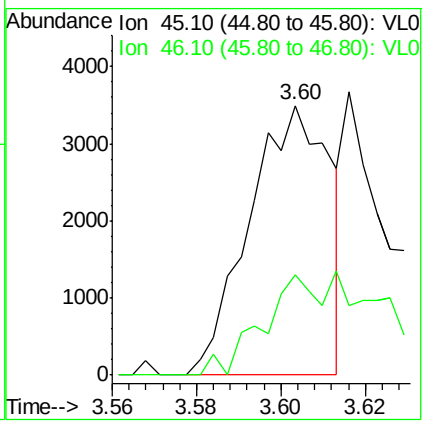


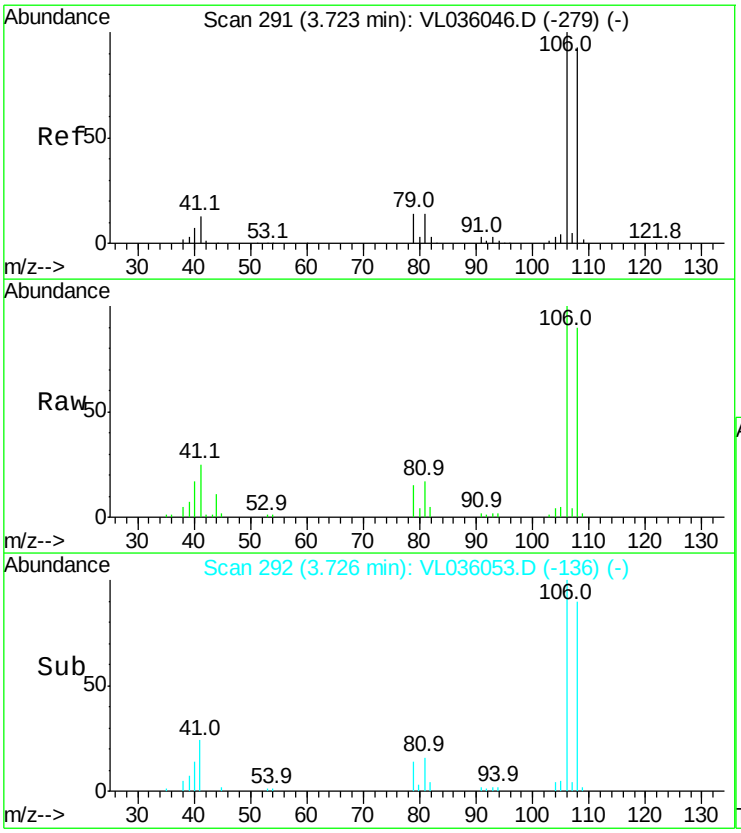
#13
Ethanol
Concen: 0.463 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 4629

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.0	64.2#

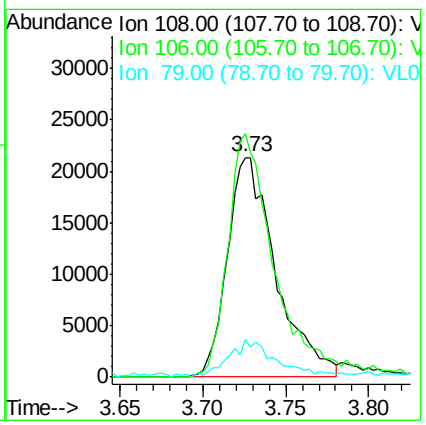


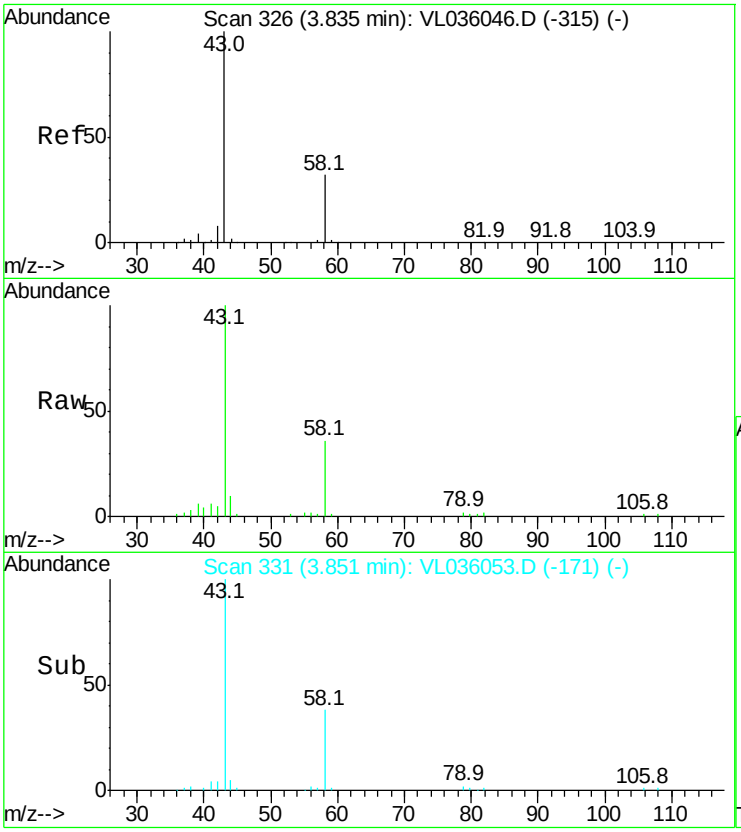


#14
Bromoethene
Concen: 0.505 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:108 Resp: 43539

Ion	Ratio	Lower	Upper
108	100		
106	110.9	85.0	127.4
79	19.6	11.9	17.9#



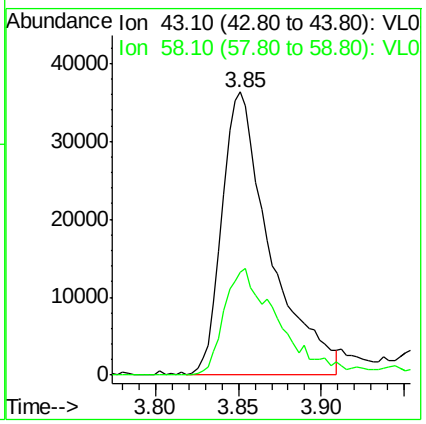


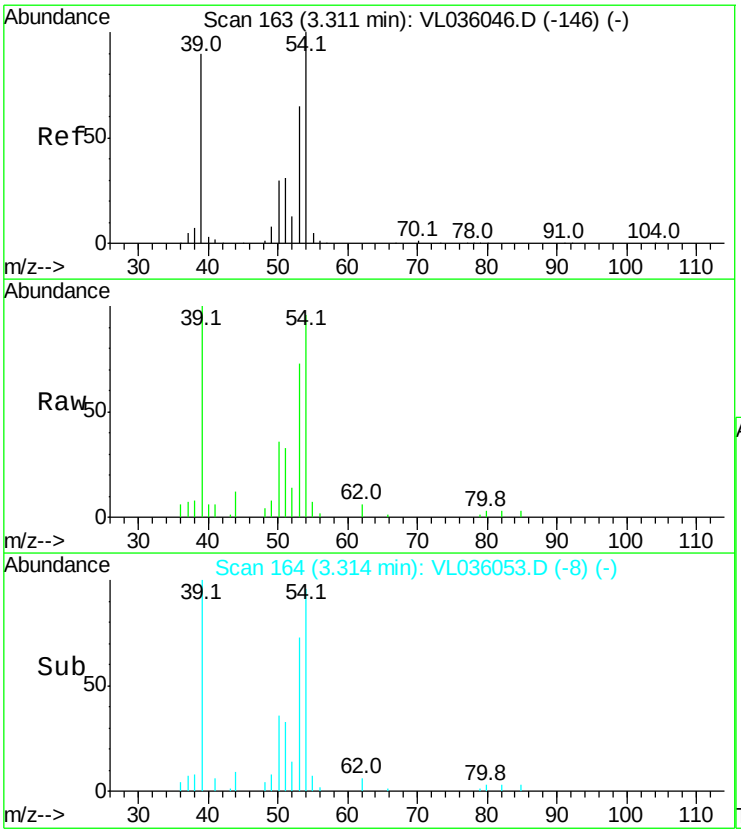
#15
Acetone
Concen: 0.591 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 73593

Ion	Ratio	Lower	Upper
43	100		
58	43.1	27.0	40.6#

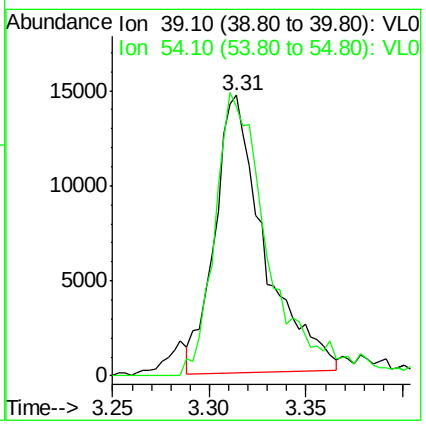


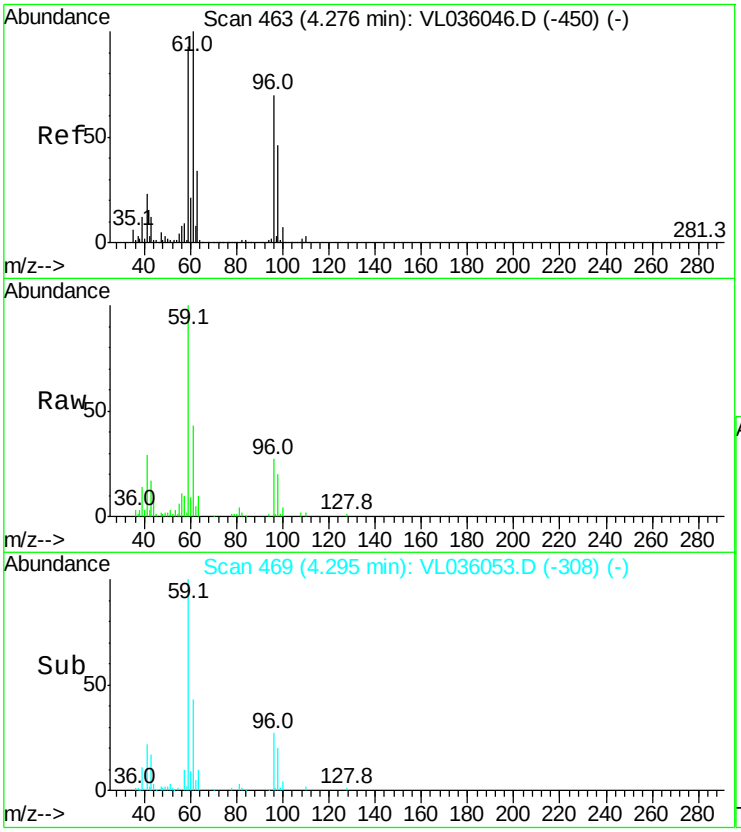


#16
1,3-Butadiene
Concen: 0.478 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 39 Resp: 26159

Ion	Ratio	Lower	Upper
39	100		
54	114.5	86.1	129.1



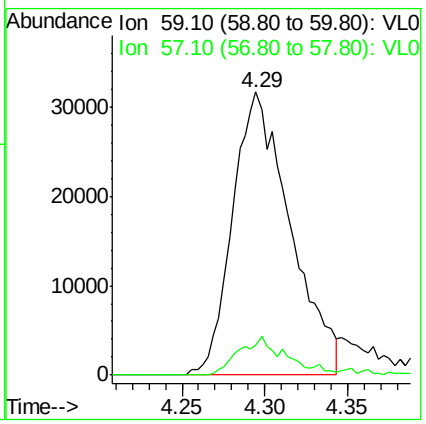


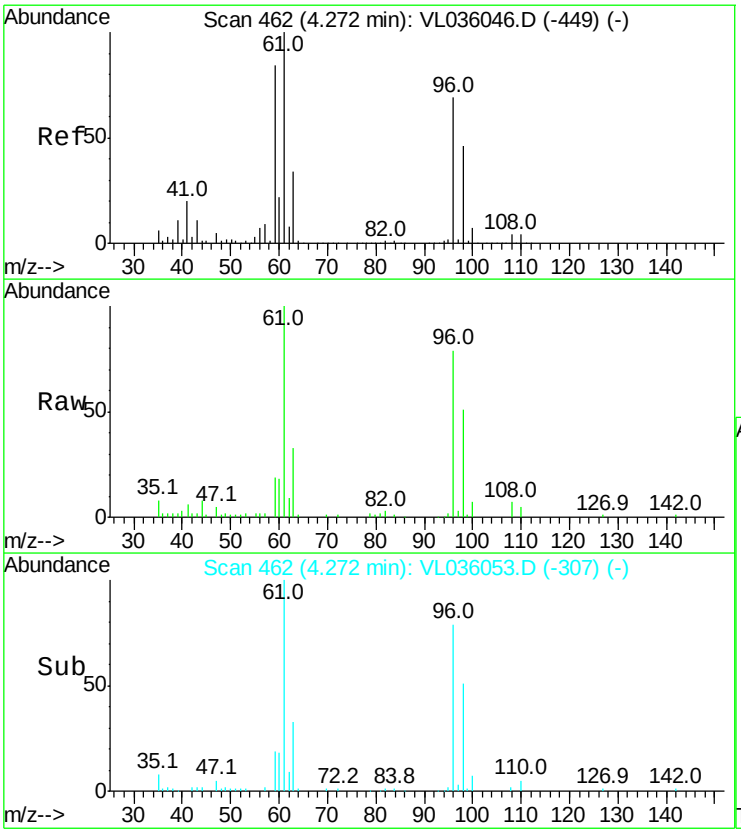
#17
tert-Butyl alcohol
Concen: 0.561 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 76577

Ion	Ratio	Lower	Upper
59	100		
57	12.0	8.4	12.6

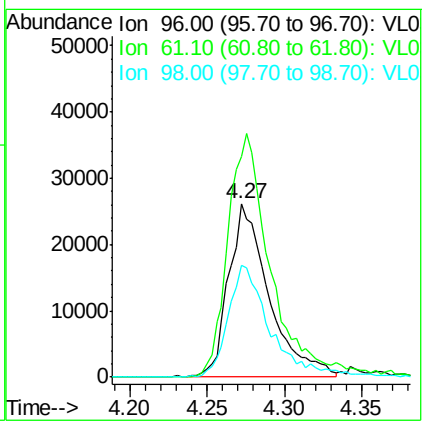


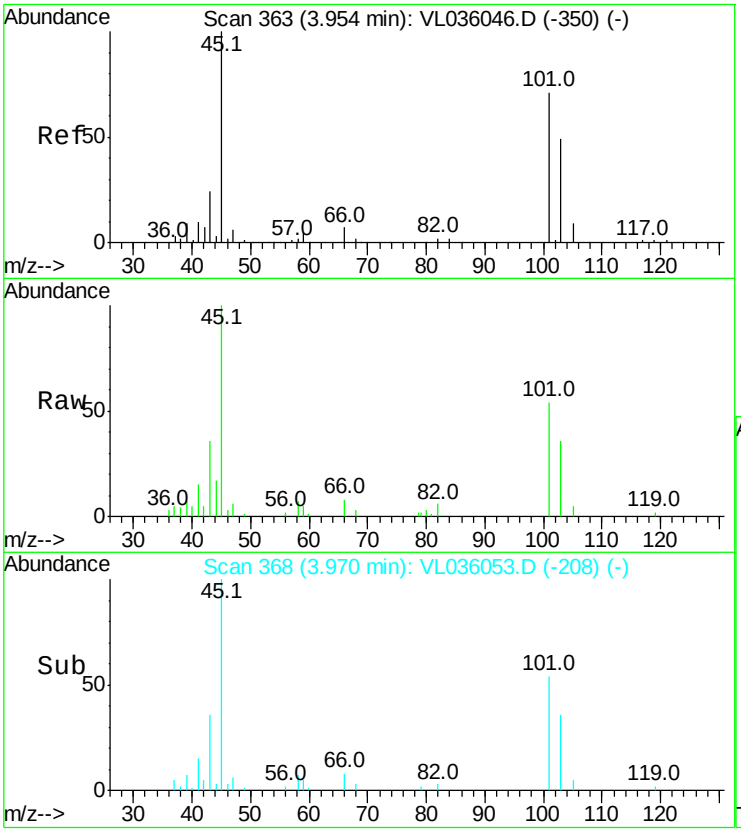


#18
1,1-Dichloroethene
Concen: 0.502 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 96 Resp: 47442

Ion	Ratio	Lower	Upper
96	100		
61	127.2	115.8	173.6
98	64.6	53.1	79.7



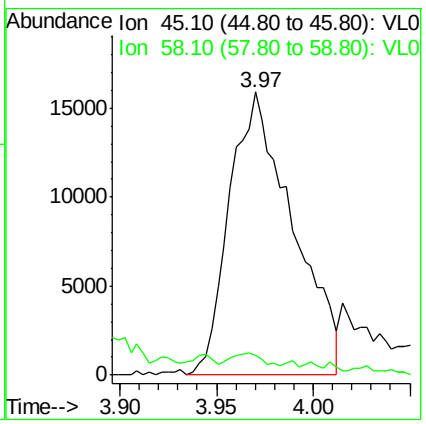


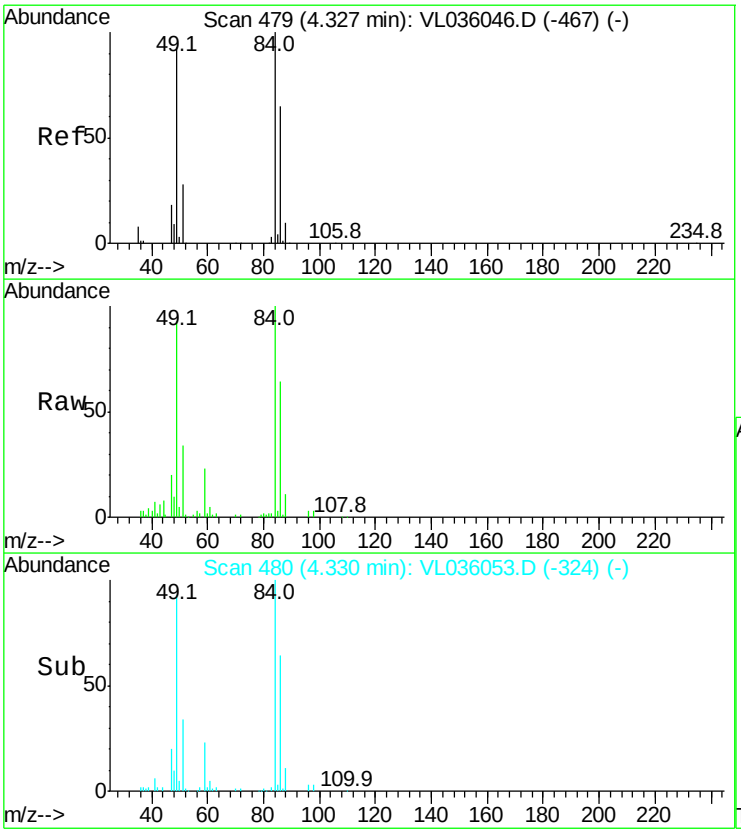
#19
Isopropyl Alcohol
Concen: 0.540 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 36083

Ion	Ratio	Lower	Upper
45	100		
58	12.8	3.4	5.0#

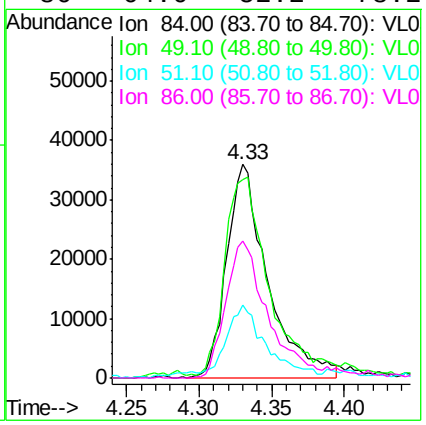


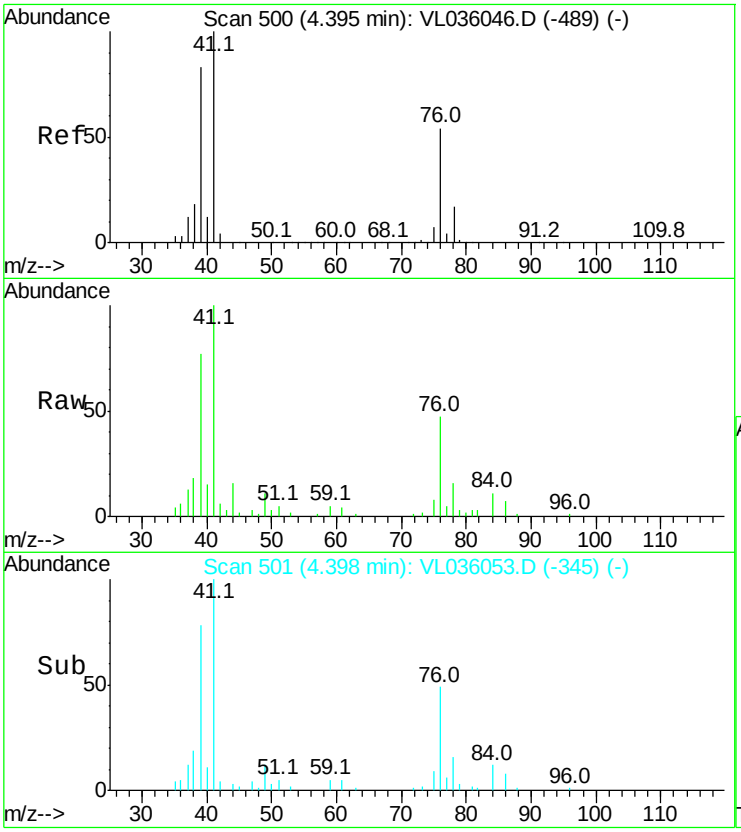


#20
Methylene Chloride
Concen: 0.657 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 84 Resp: 70847

Ion	Ratio	Lower	Upper
84	100		
49	91.6	74.4	111.6
51	31.8	22.5	33.7
86	64.0	52.2	78.2



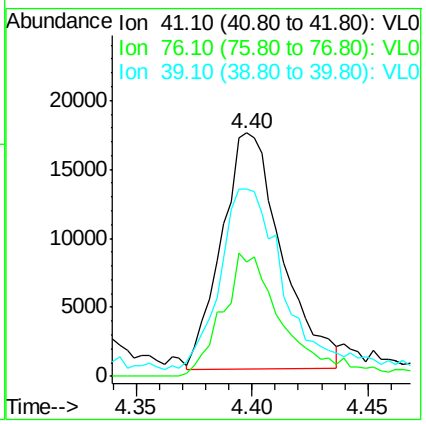


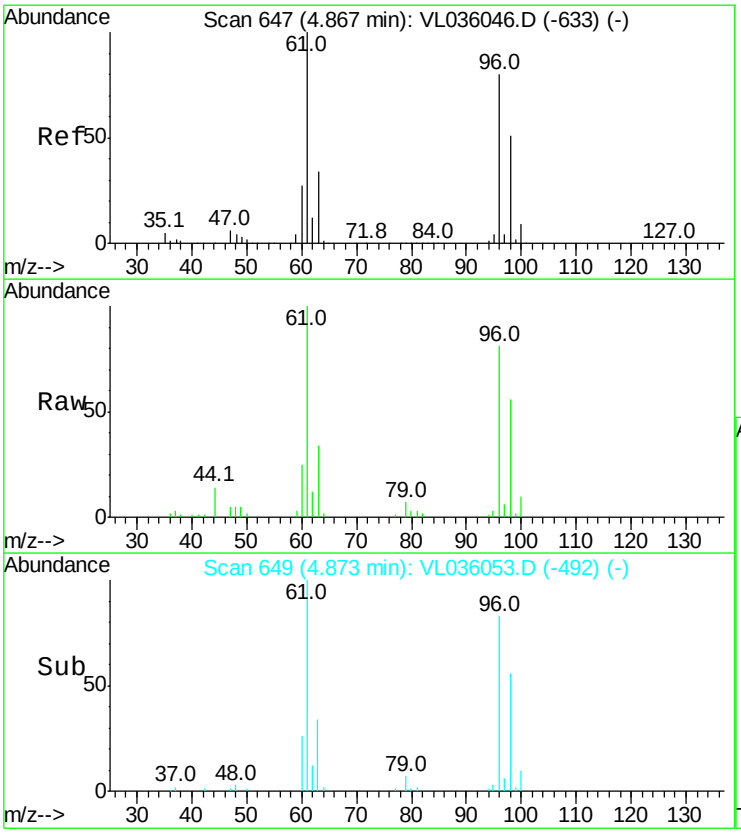
#21
Allyl Chloride
Concen: 0.466 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 30913

Ion	Ratio	Lower	Upper
41	100		
76	53.9	42.4	63.6
39	96.1	69.0	103.6

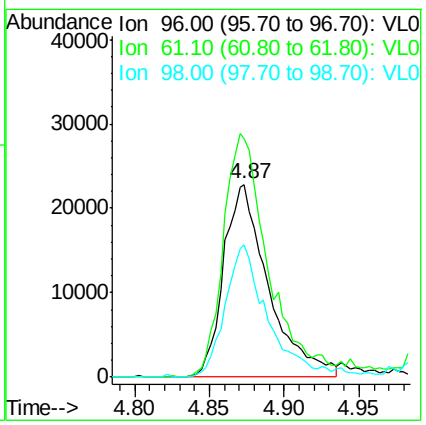


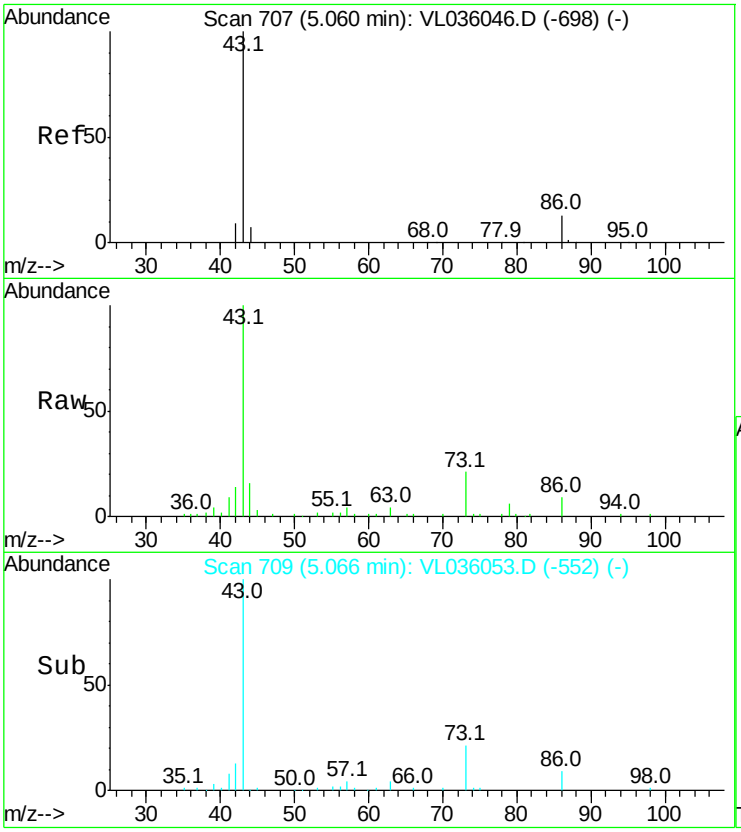


#22
trans-1,2-Dichloroethene
Concen: 0.510 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 96 Resp: 47839

Ion	Ratio	Lower	Upper
96	100		
61	123.6	99.8	149.6
98	68.6	51.1	76.7



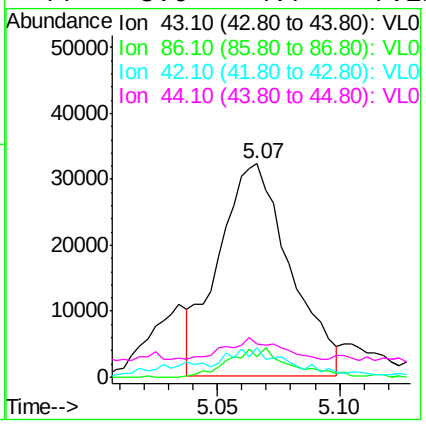


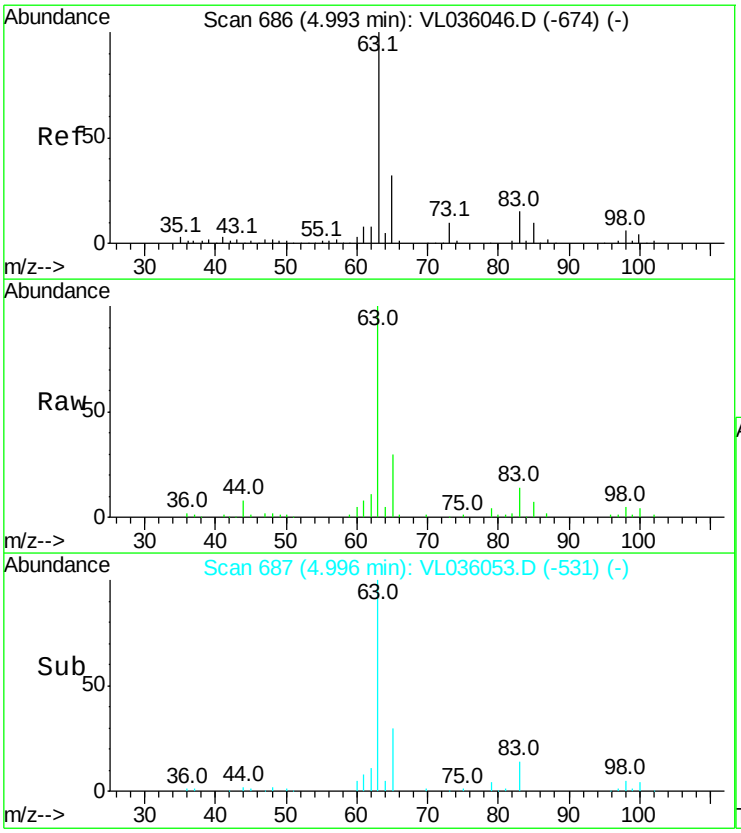
#23
Vinyl Acetate
Concen: 0.443 ppbv
RT: 5.07 min Scan# 709
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 65216

Ion	Ratio	Lower	Upper
43	100		
86	10.2	9.3	13.9
42	13.0	8.1	12.1#
44	8.6	4.7	7.1#

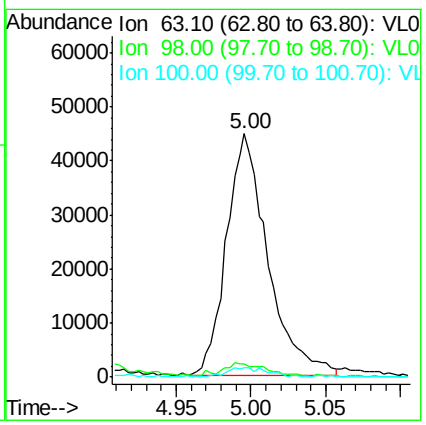


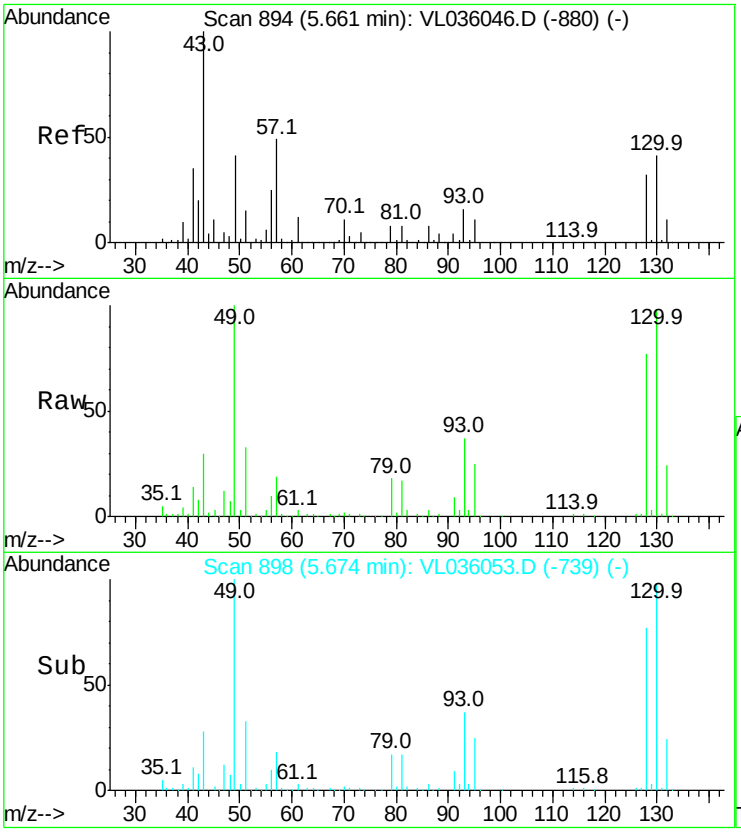


#24
1,1-Dichloroethane
Concen: 0.513 ppbv
RT: 5.00 min Scan# 687
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 63 Resp: 86155

Ion	Ratio	Lower	Upper
63	100		
98	4.9	3.1	9.3
100	4.1	1.9	5.7



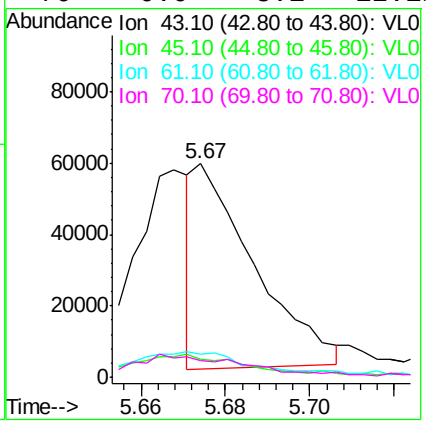


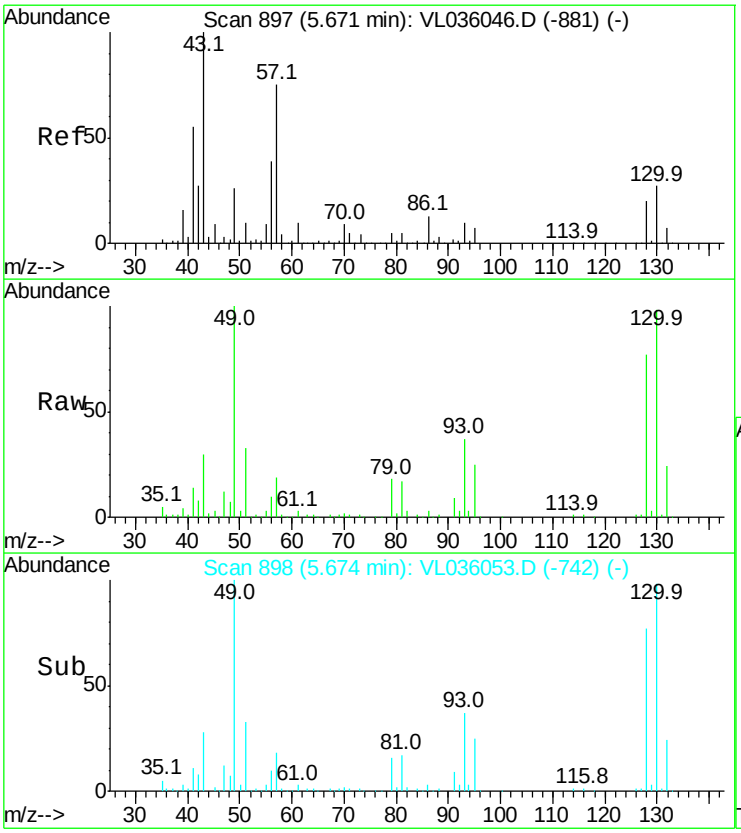
#25
Ethyl Acetate
Concen: 0.223 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 55766

Ion	Ratio	Lower	Upper
43	100		
45	25.8	8.6	13.0#
61	32.3	10.6	16.0#
70	0.0	8.1	12.1#

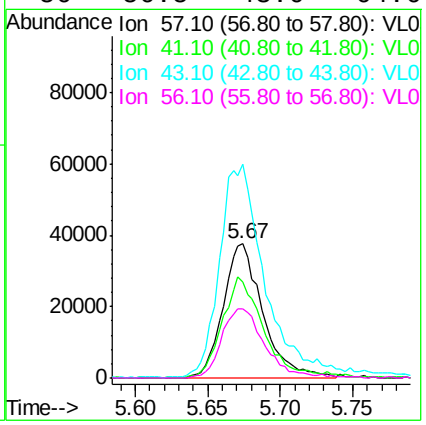


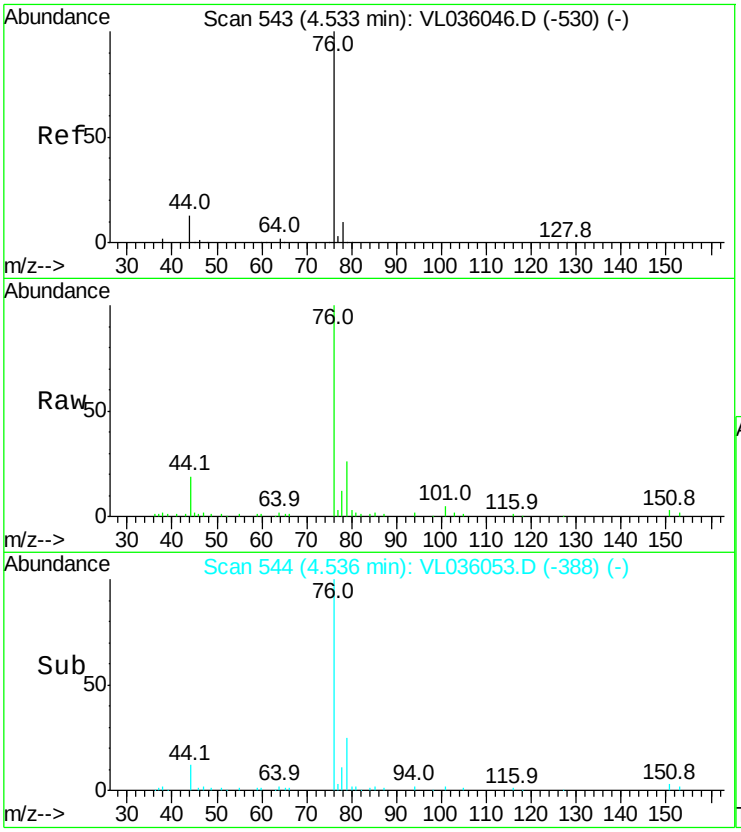


#26
Hexane
Concen: 0.534 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 57 Resp: 71052

Ion	Ratio	Lower	Upper
57	100		
41	80.0	61.6	92.4
43	189.6	152.9	229.3
56	56.5	43.0	64.6



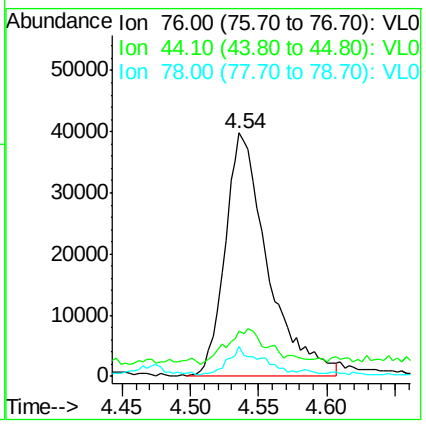


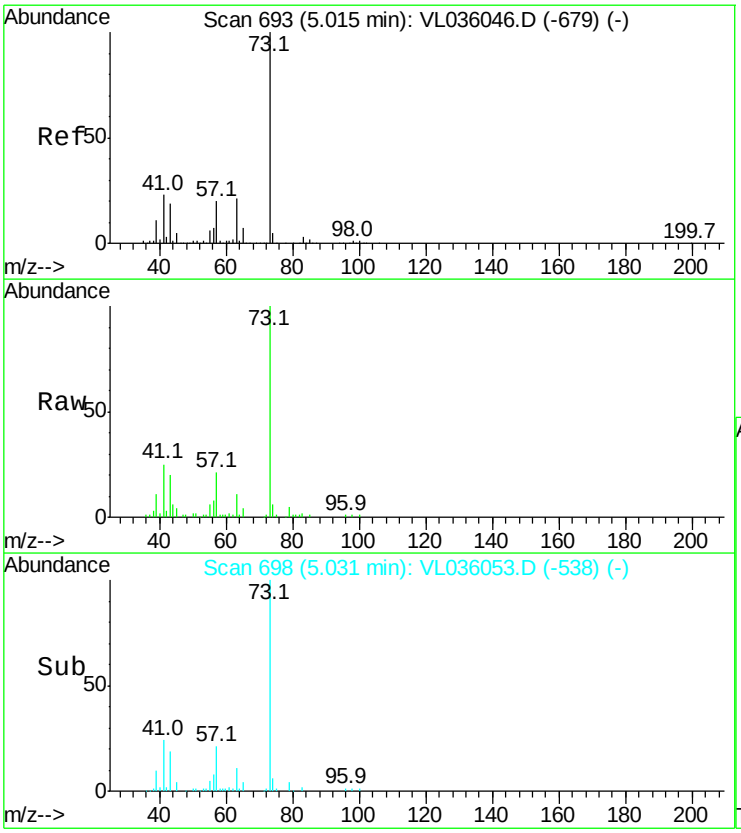
#27
Carbon Disulfide
Concen: 0.440 ppbv
RT: 4.54 min Scan# 544
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 85180

Ion	Ratio	Lower	Upper
76	100		
44	13.6	9.6	14.4
78	11.0	7.7	11.5

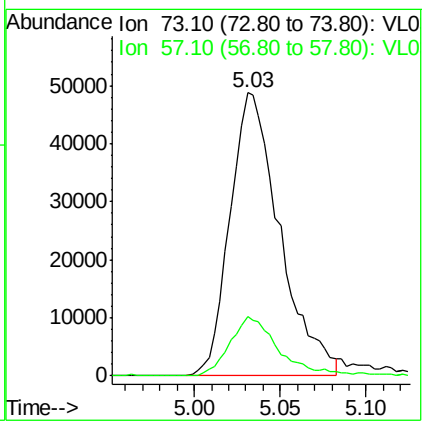


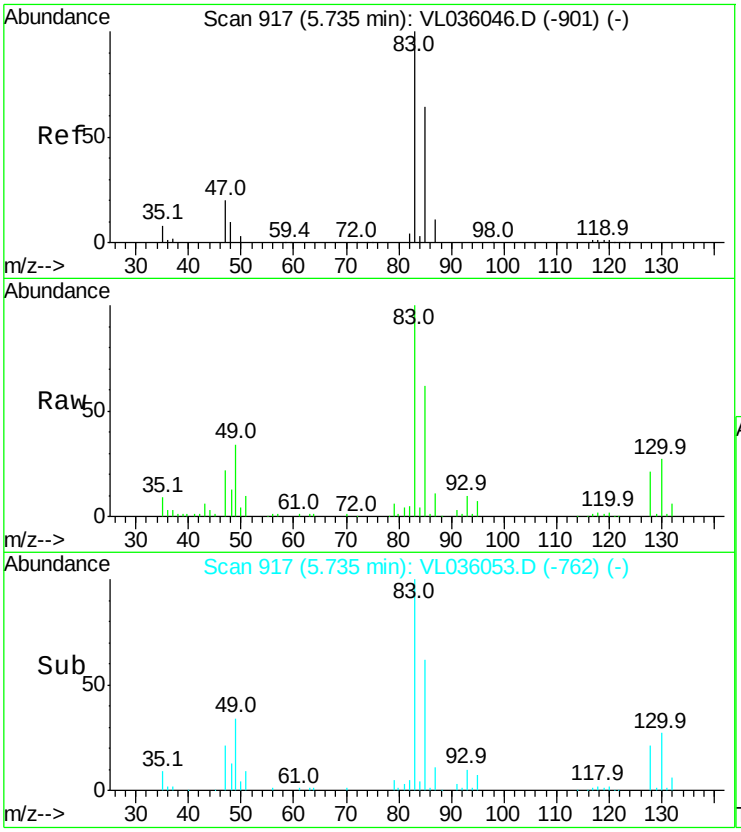


#28
Methyl tert-Butyl Ether
Concen: 0.490 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.02 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 73 Resp: 97183

Ion	Ratio	Lower	Upper
73	100		
57	21.1	15.8	23.8



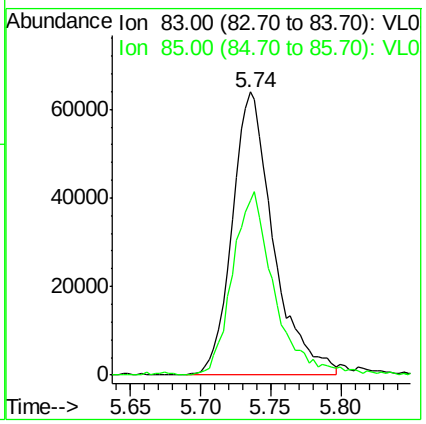


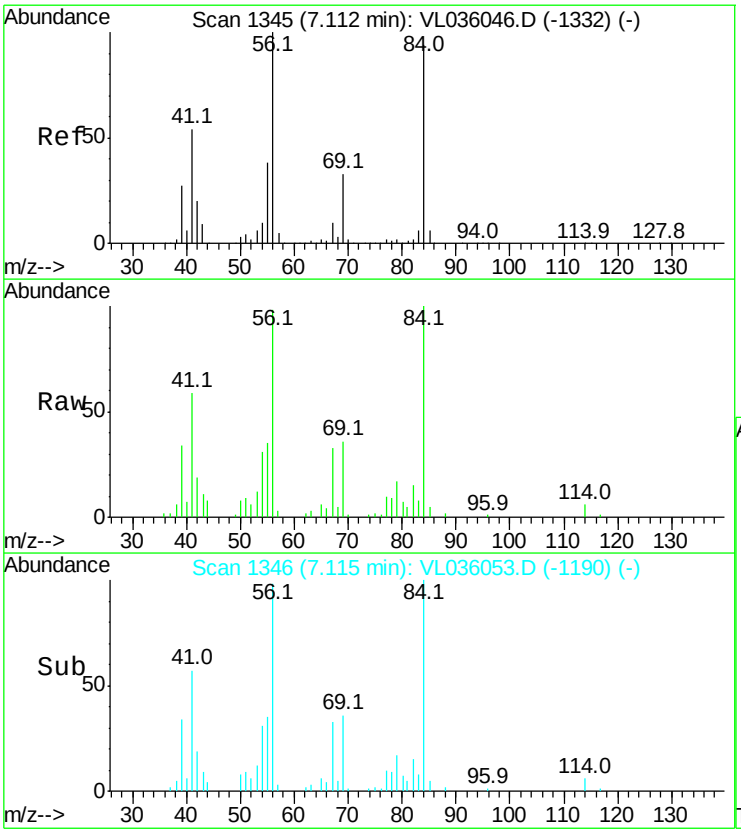
#29
Chloroform
Concen: 0.520 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 130802

Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.6	77.4

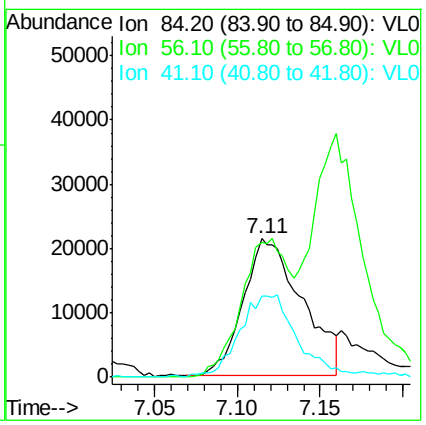


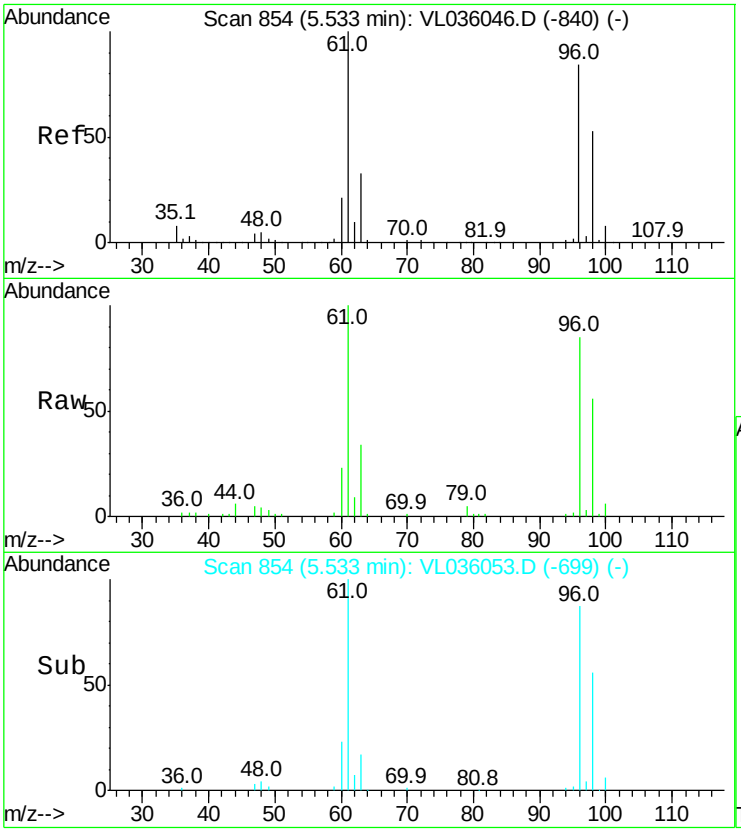


#30
Cyclohexane
Concen: 0.422 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 84 Resp: 53002

Ion	Ratio	Lower	Upper
84	100		
56	74.9	89.9	134.9#
41	59.8	46.1	69.1



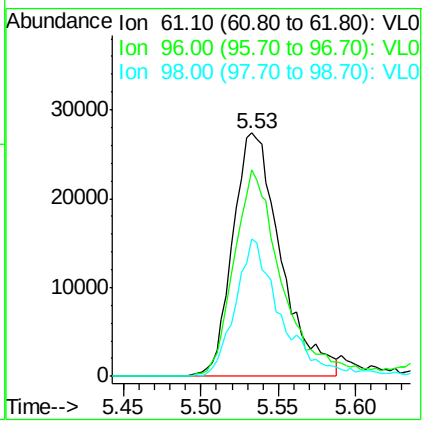


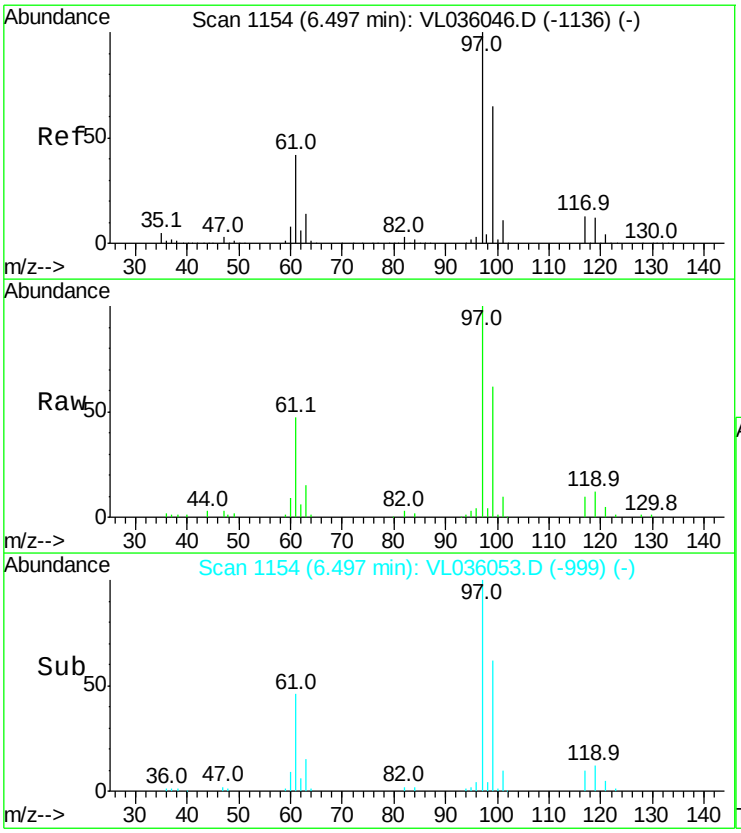
#31
cis-1,2-Dichloroethene
Concen: 0.485 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 59033

Ion	Ratio	Lower	Upper
61	100		
96	85.0	66.8	100.2
98	56.3	42.6	63.8

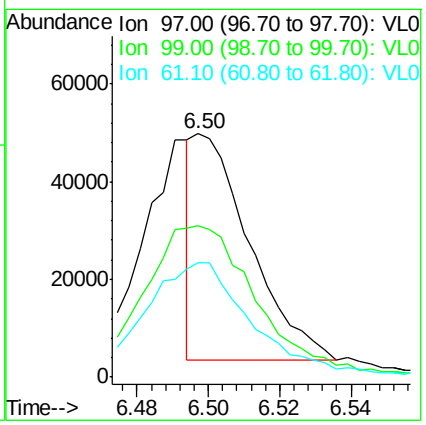


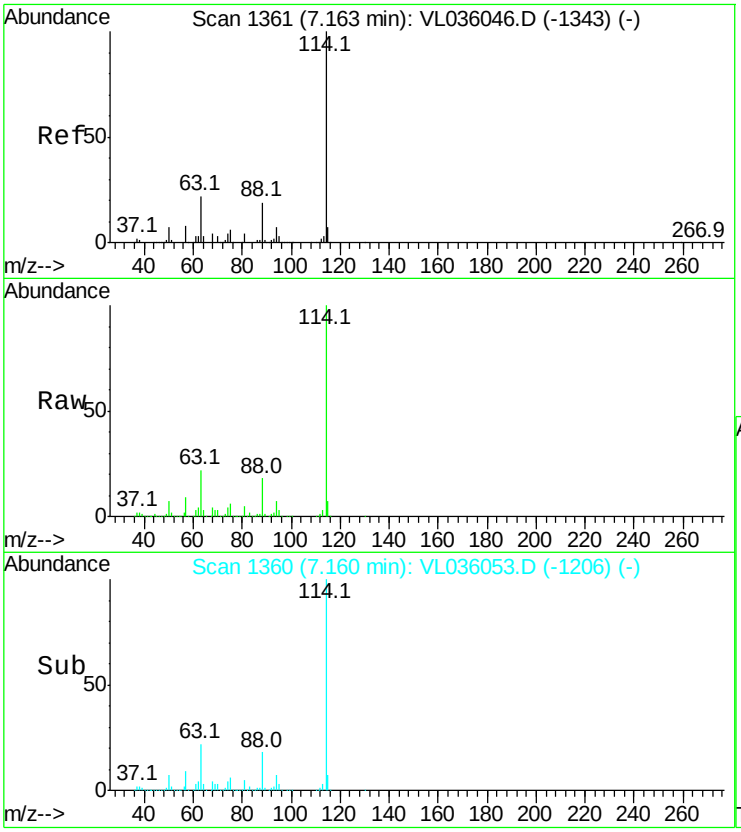


#32
1,1,1-Trichloroethane
Concen: 0.216 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 97 Resp: 49888

Ion	Ratio	Lower	Upper
97	100		
99	141.7	52.4	78.6#
61	102.1	34.7	52.1#



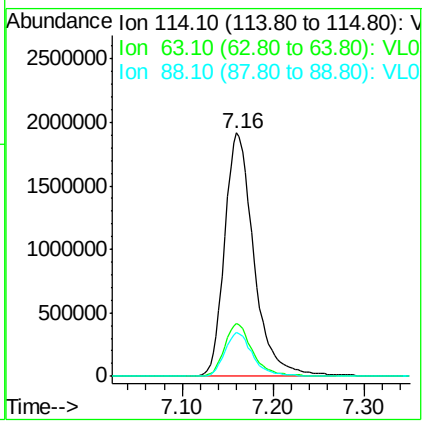


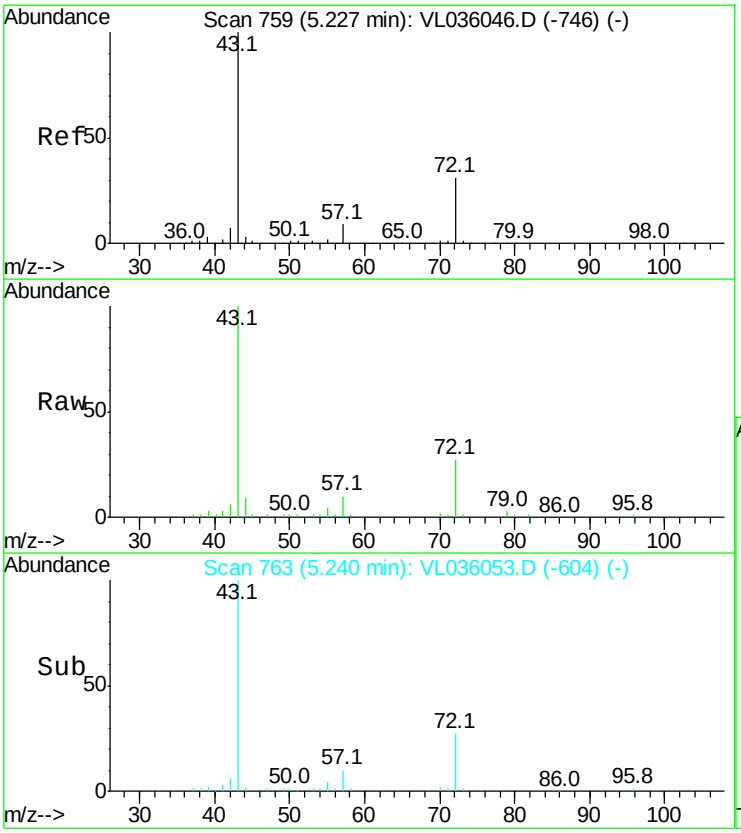
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 4283004

Ion	Ratio	Lower	Upper
114	100		
63	21.1	17.2	25.8
88	17.5	14.0	21.0

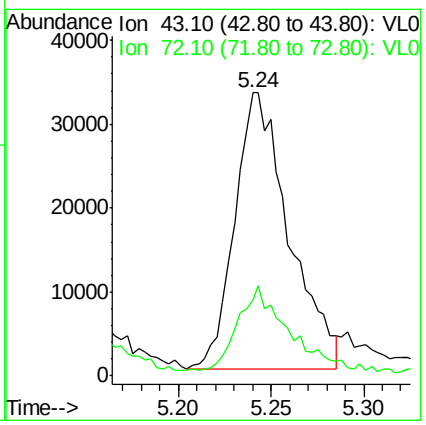


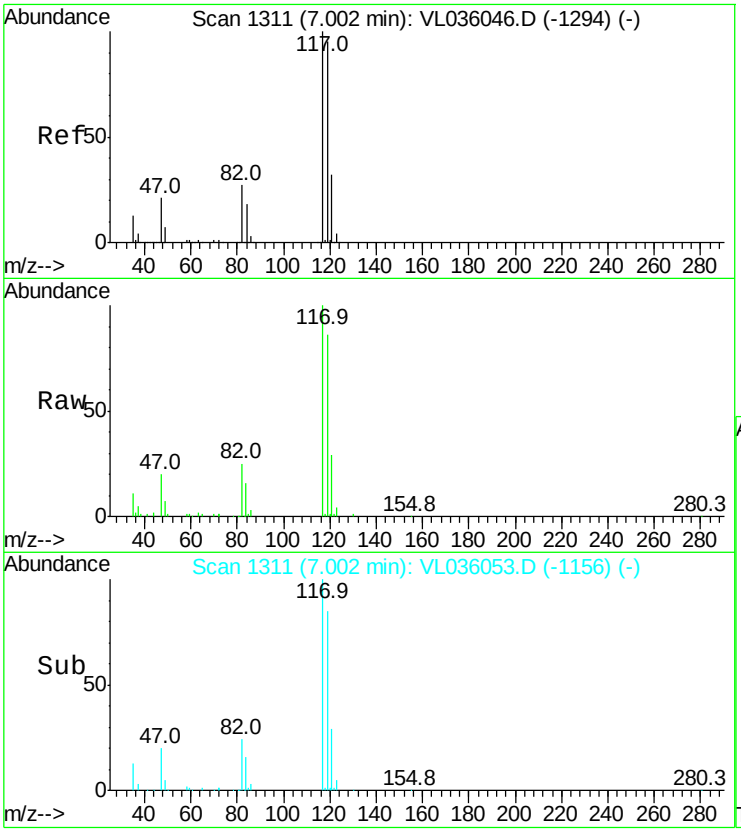


#34
2-Butanone
Concen: 0.459 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 43 Resp: 67353

Ion	Ratio	Lower	Upper
43	100		
72	36.6	24.5	36.7



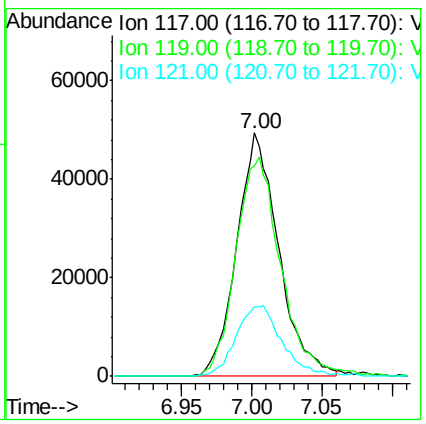


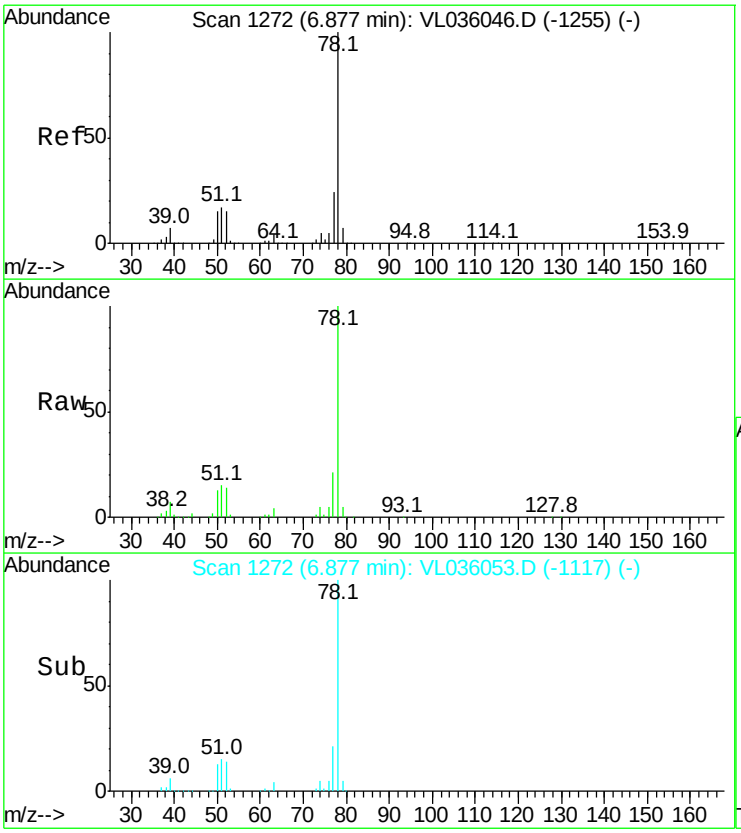
#35
Carbon Tetrachloride
Concen: 0.459 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:117 Resp: 102727

Ion	Ratio	Lower	Upper
117	100		
119	86.5	75.9	113.9
121	28.6	25.8	38.8

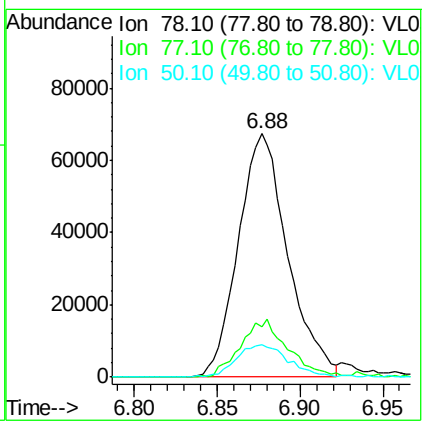


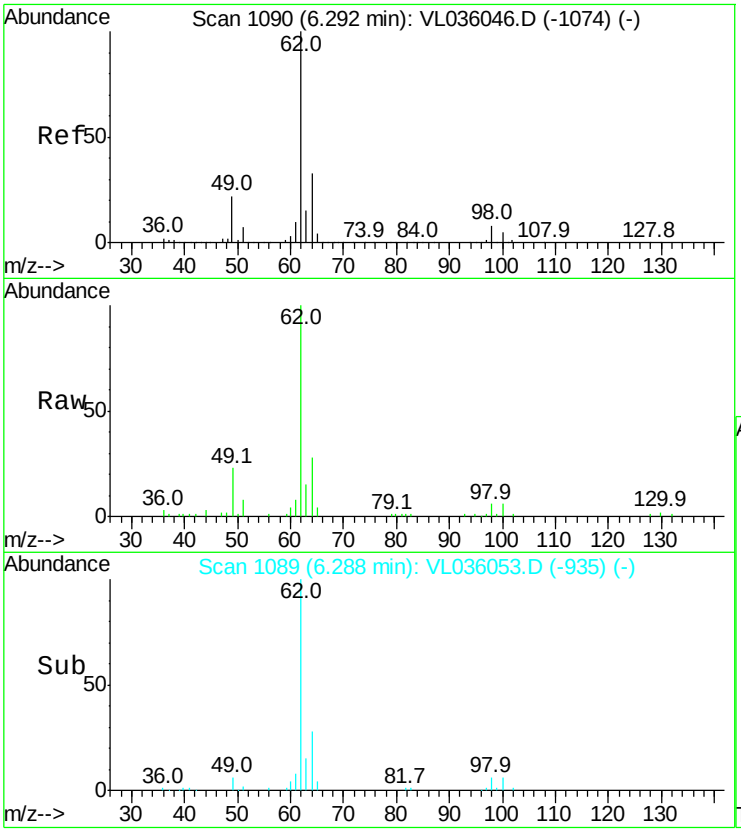


#36
Benzene
Concen: 0.477 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 78 Resp: 139677

Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.1	28.7
50	13.1	12.0	18.0



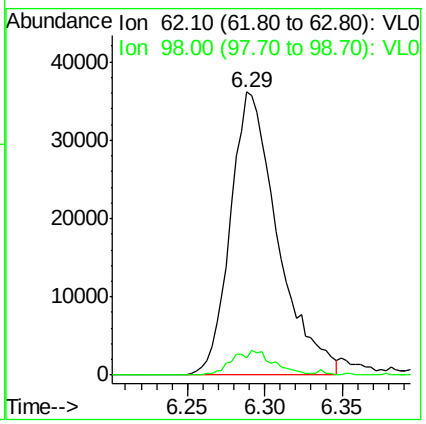


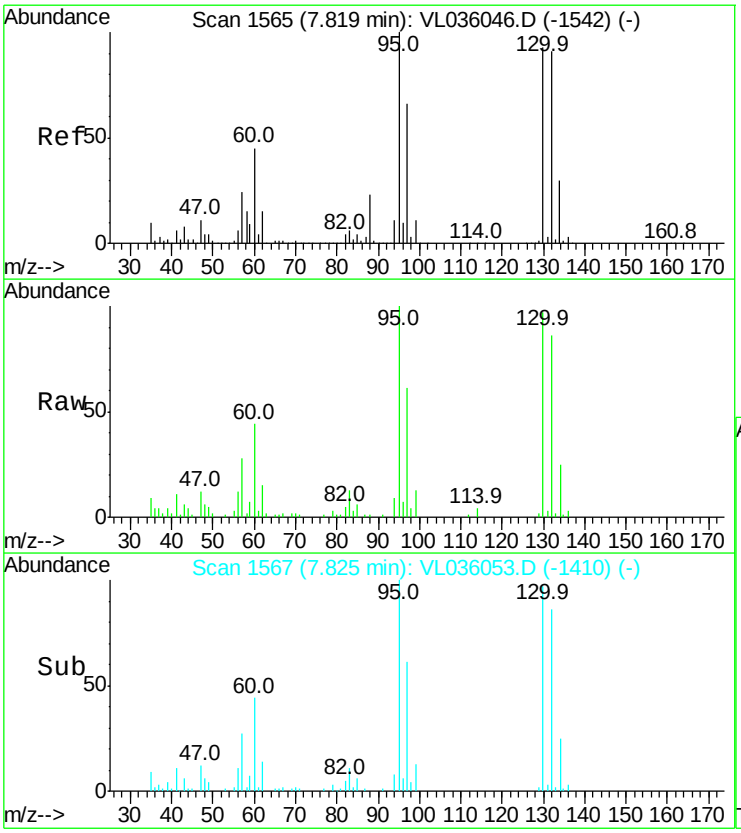
#37
1,2-Dichloroethane
Concen: 0.505 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 62 Resp: 76753

Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.4	9.6

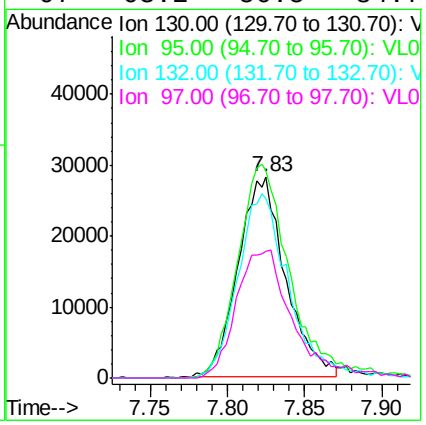


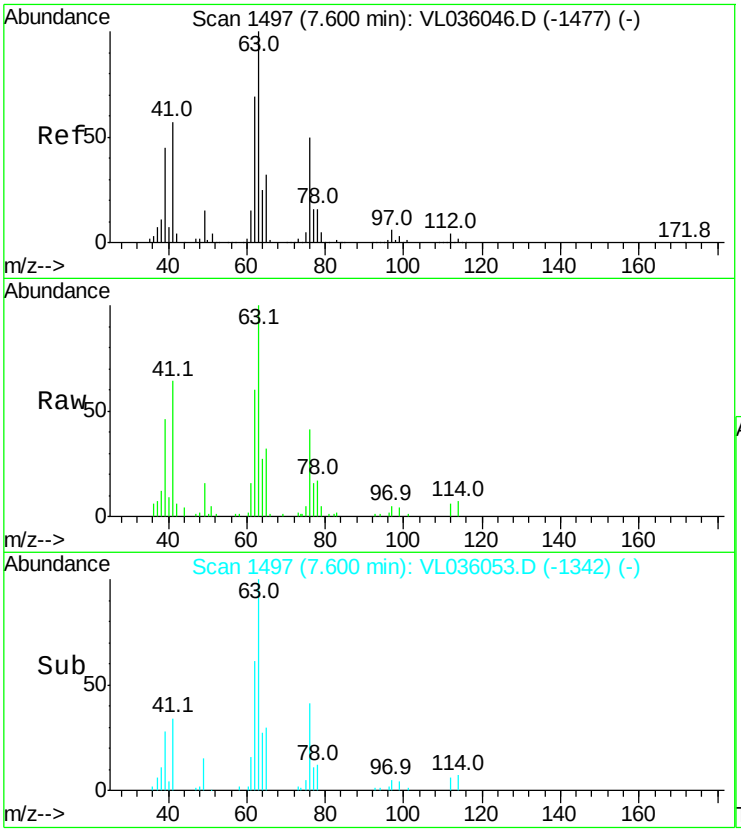


#38
Trichloroethene
Concen: 0.462 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:130 Resp: 60518

Ion	Ratio	Lower	Upper
130	100		
95	103.6	86.1	129.1
132	89.6	78.6	118.0
97	63.2	56.5	84.7



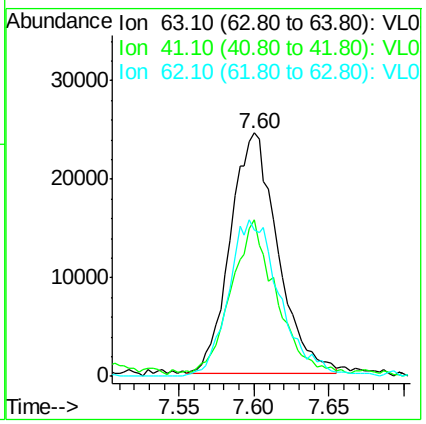


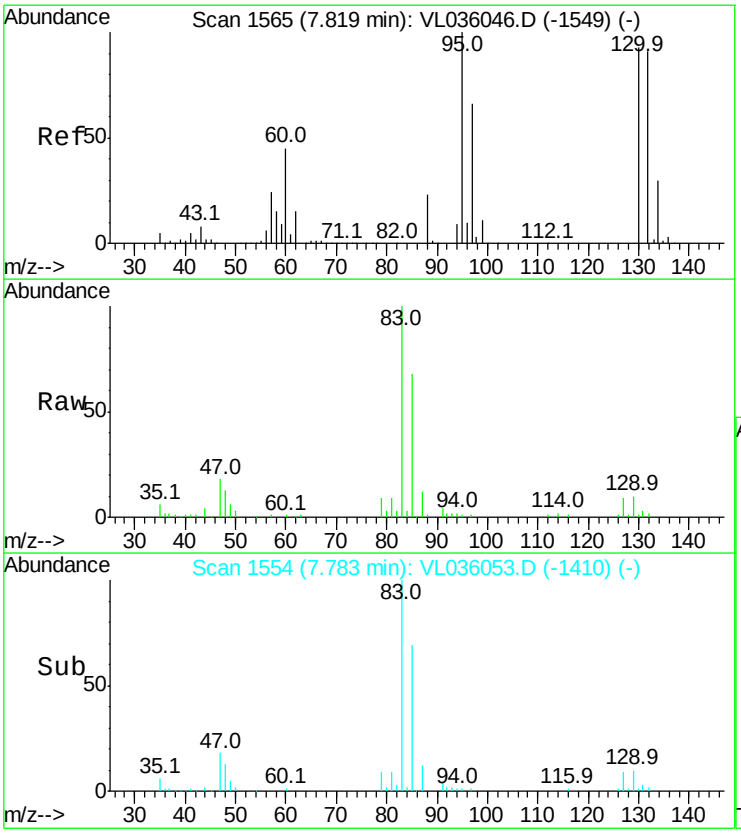
#39
1,2-Dichloropropane
Concen: 0.484 ppbv
RT: 7.60 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 63 Resp: 54301

Ion	Ratio	Lower	Upper
63	100		
41	63.0	45.4	68.0
62	59.8	55.3	82.9

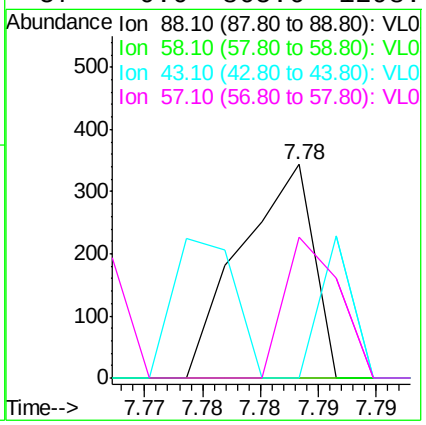


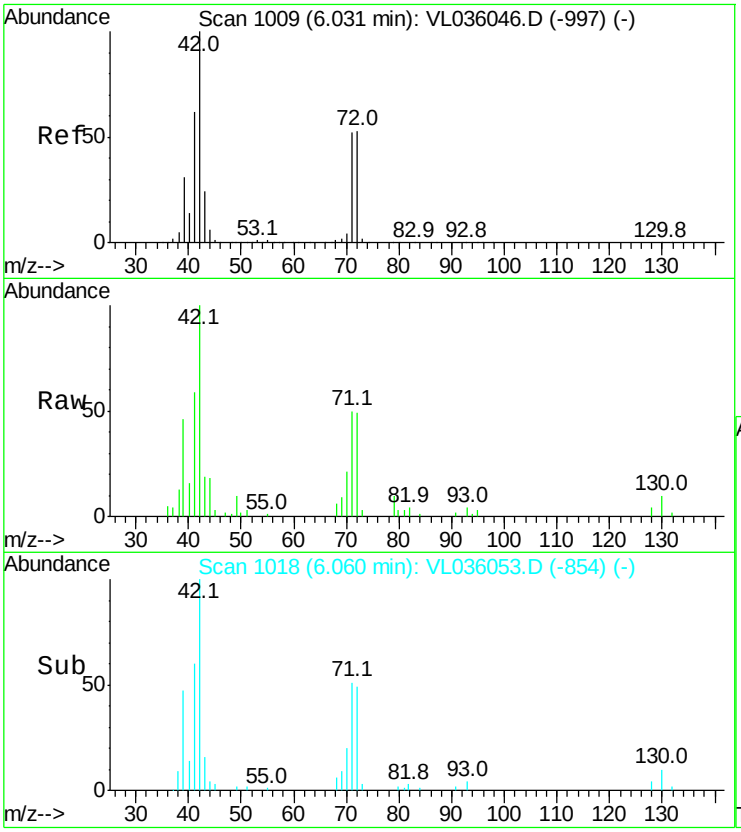


#40
1,4-Dioxane
Concen: 0.004 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.04 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 88 Resp: 150

Ion	Ratio	Lower	Upper
88	100		
58	0.0	91.0	136.6#
43	0.0	163.3	244.9#
57	0.0	865.6	1298.4#



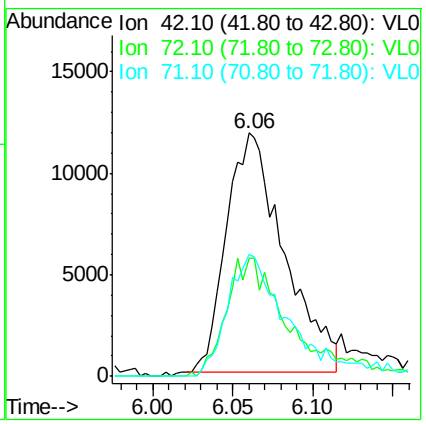


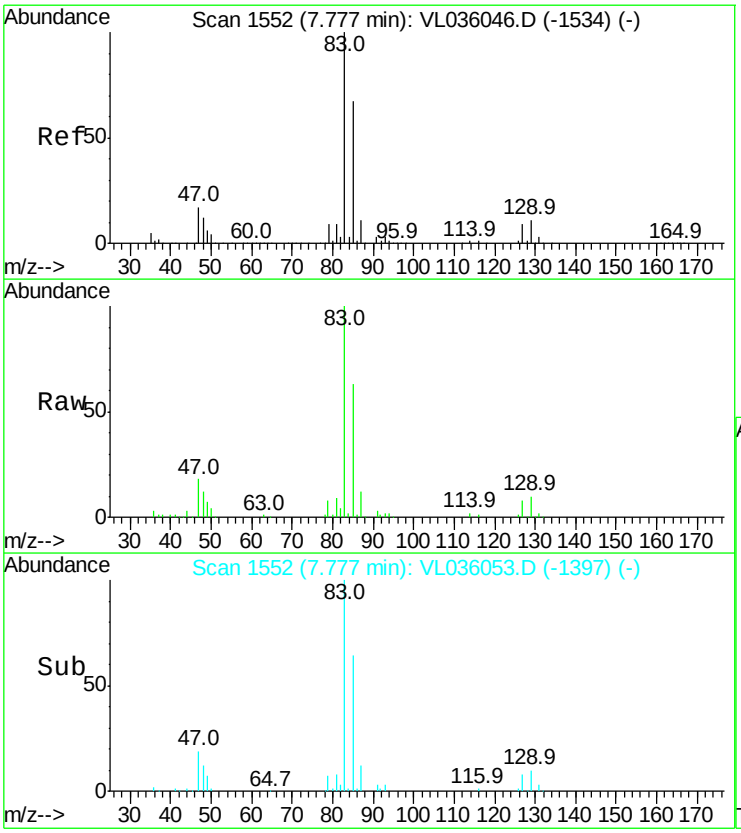
#41
Tetrahydrofuran
Concen: 0.380 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.03 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 42 Resp: 29150

Ion	Ratio	Lower	Upper
42	100		
72	55.5	42.7	64.1
71	55.2	41.0	61.4

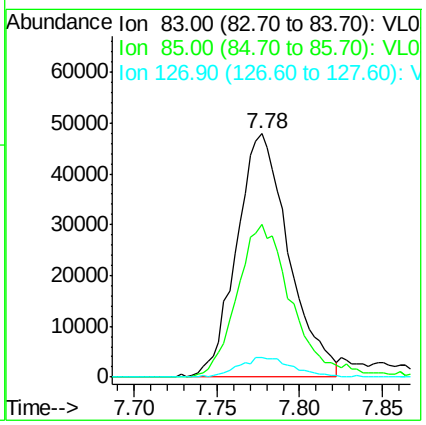


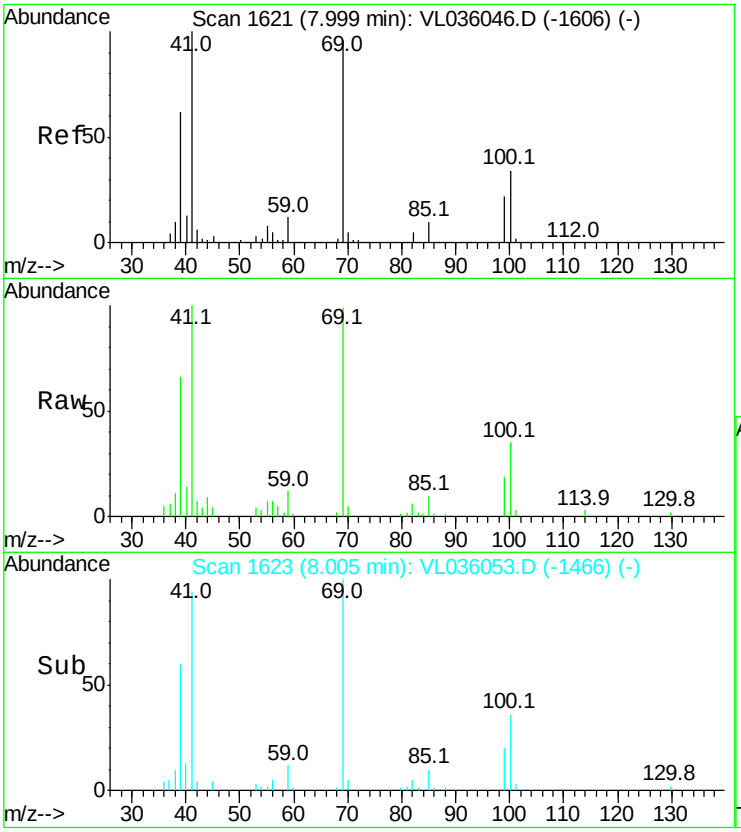


#42
Bromodichloromethane
Concen: 0.432 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 83 Resp: 103730

Ion	Ratio	Lower	Upper
83	100		
85	63.0	53.7	80.5
127	8.0	7.0	10.6



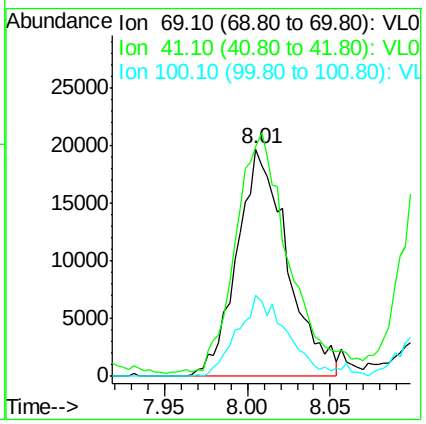


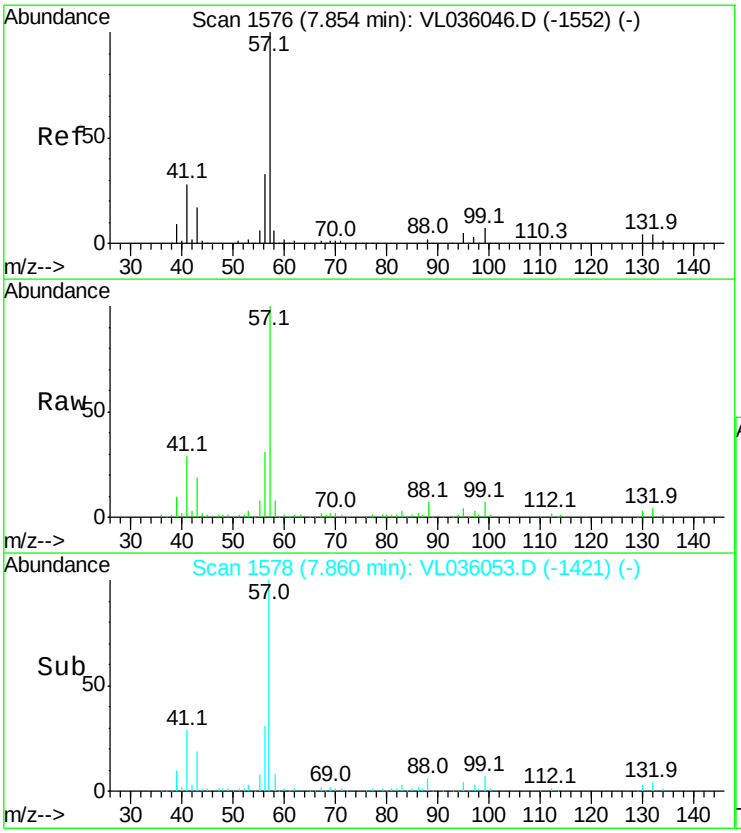
#43
Methyl Methacrylate
Concen: 0.391 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 69 Resp: 41702

Ion	Ratio	Lower	Upper
69	100		
41	113.6	86.5	129.7
100	36.0	29.0	43.6

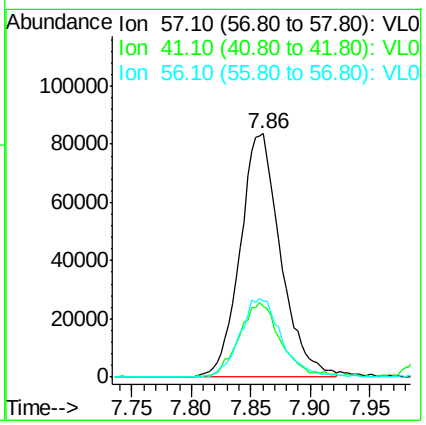


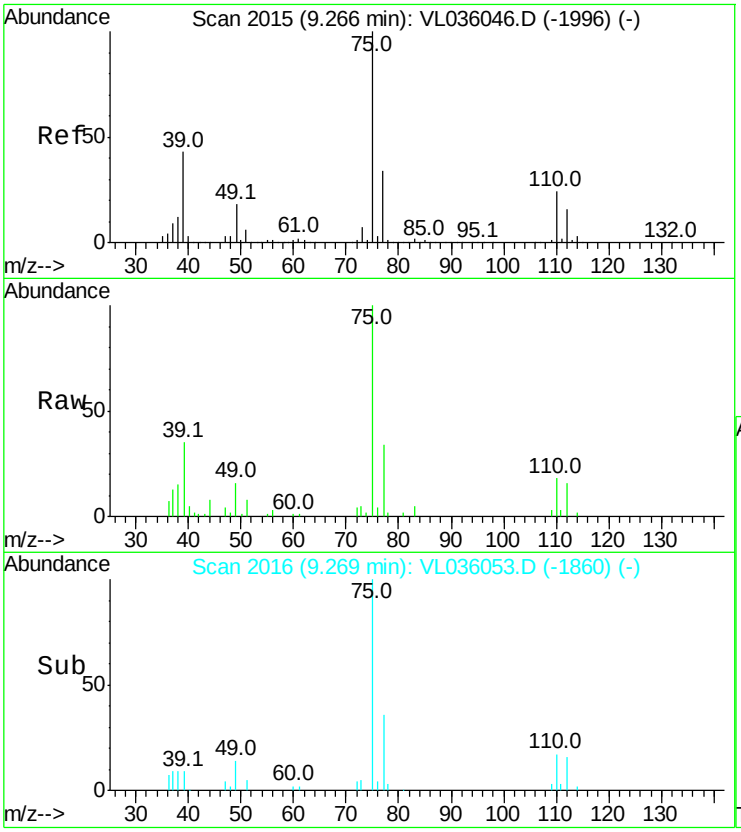


#44
2,2,4-Trimethylpentane
Concen: 0.454 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 57 Resp: 197221

Ion	Ratio	Lower	Upper
57	100		
41	32.3	21.9	32.9
56	33.7	25.8	38.6



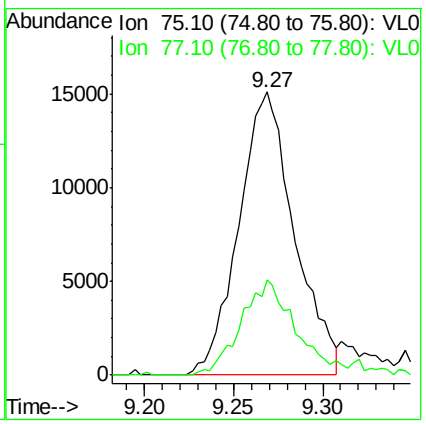


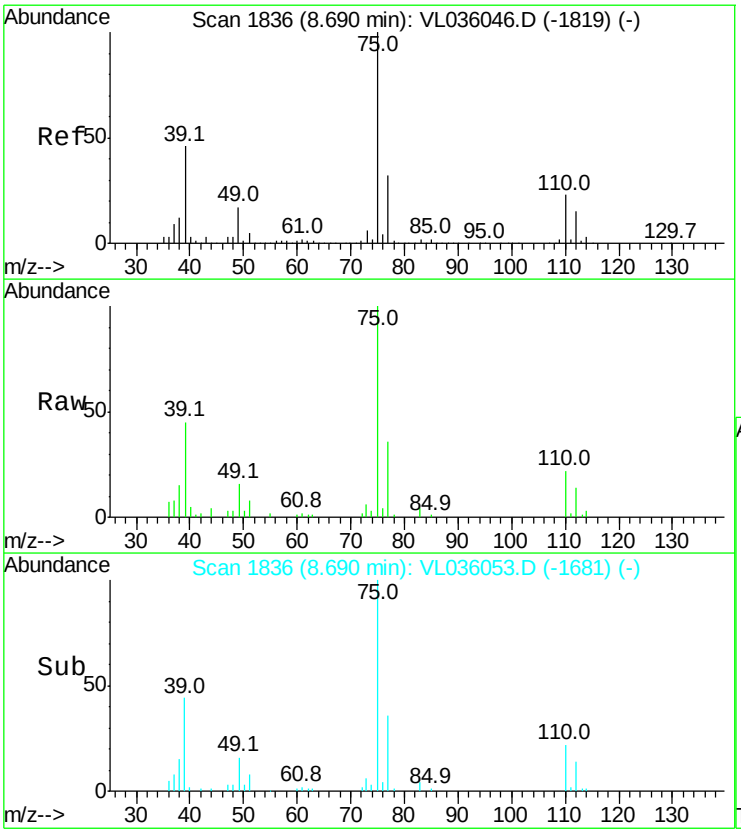
#45
t-1,3-Dichloropropene
Concen: 0.326 ppbv
RT: 9.27 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 32910

Ion	Ratio	Lower	Upper
75	100		
77	33.6	26.8	40.2

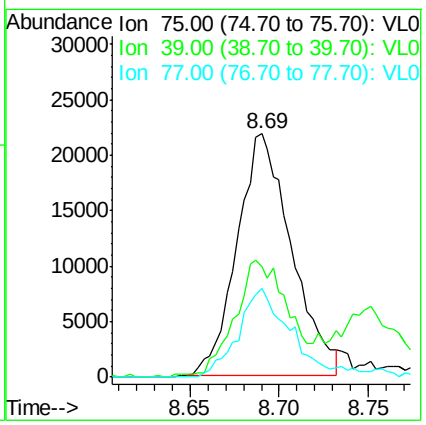


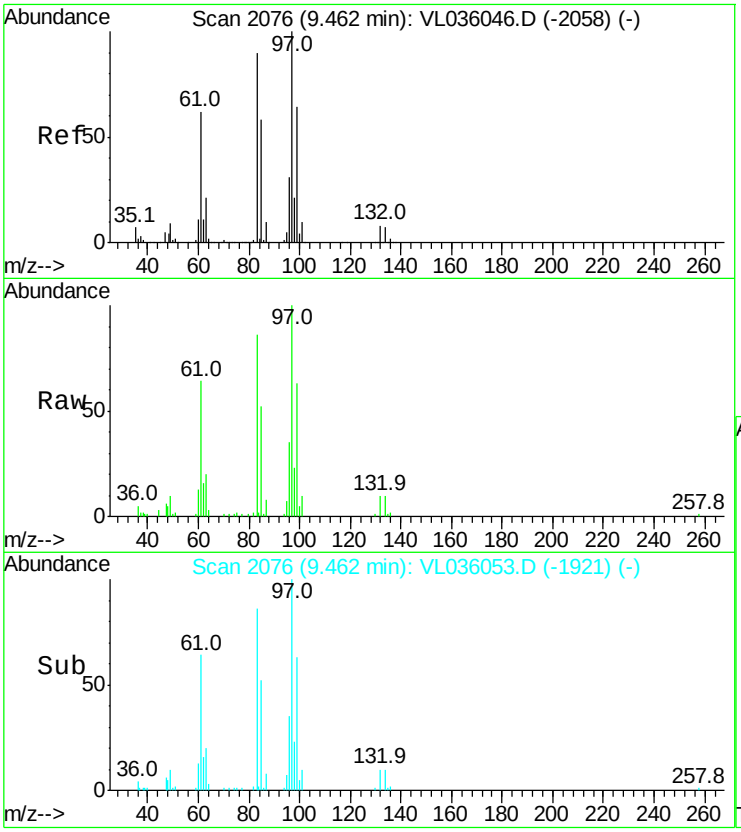


#46
cis-1,3-Dichloropropene
Concen: 0.341 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 75 Resp: 46106

Ion	Ratio	Lower	Upper
75	100		
39	44.6	37.0	55.4
77	36.6	25.5	38.3



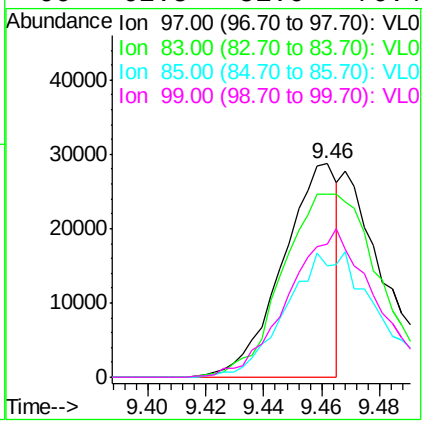


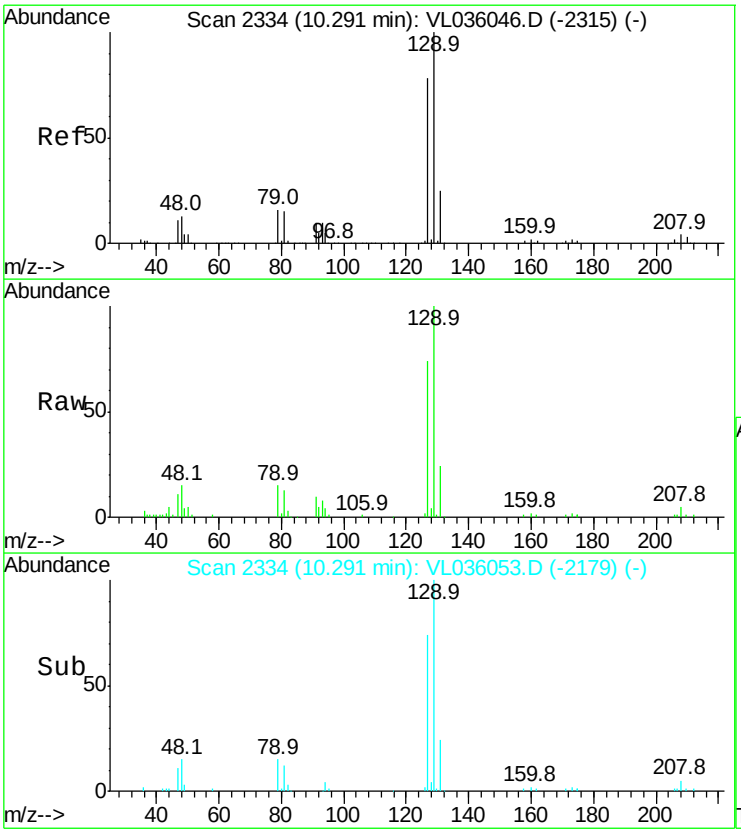
#47
1,1,2-Trichloroethane
Concen: 0.266 ppbv
RT: 9.46 min Scan# 2076
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 97 Resp: 37375

Ion	Ratio	Lower	Upper
97	100		
83	85.5	72.1	108.1
85	52.0	46.6	69.8
99	62.5	51.0	76.4

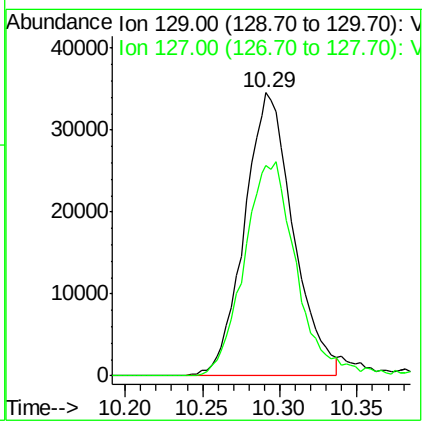


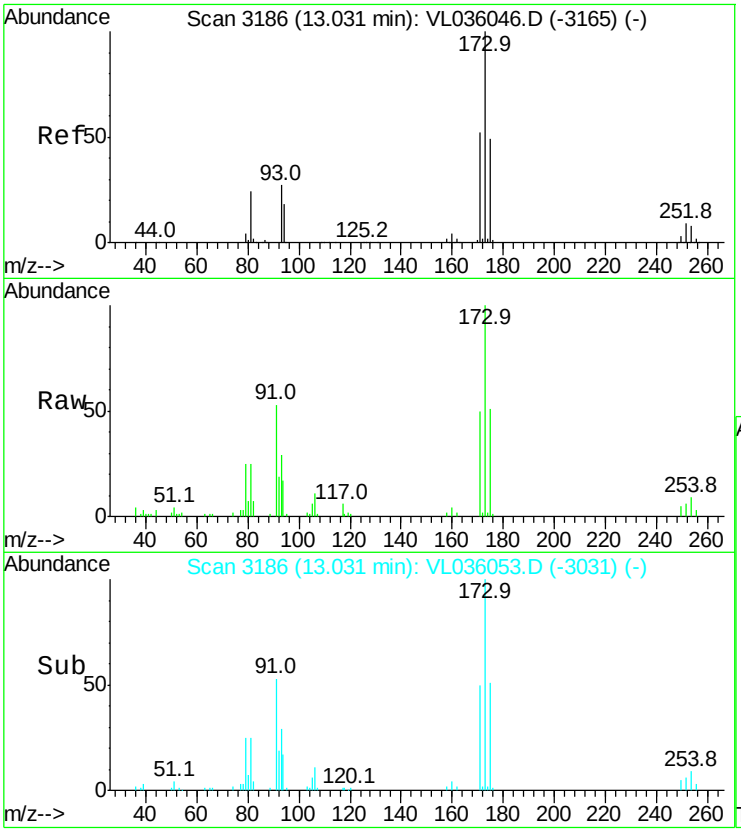


#48
Dibromochloromethane
Concen: 0.383 ppbv
RT: 10.29 min Scan# 2334
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:129 Resp: 75777

Ion	Ratio	Lower	Upper
129	100		
127	82.0	39.4	118.2



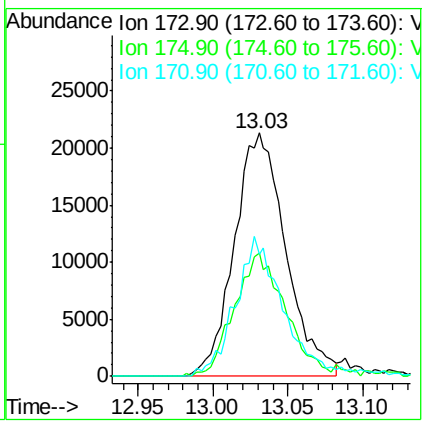


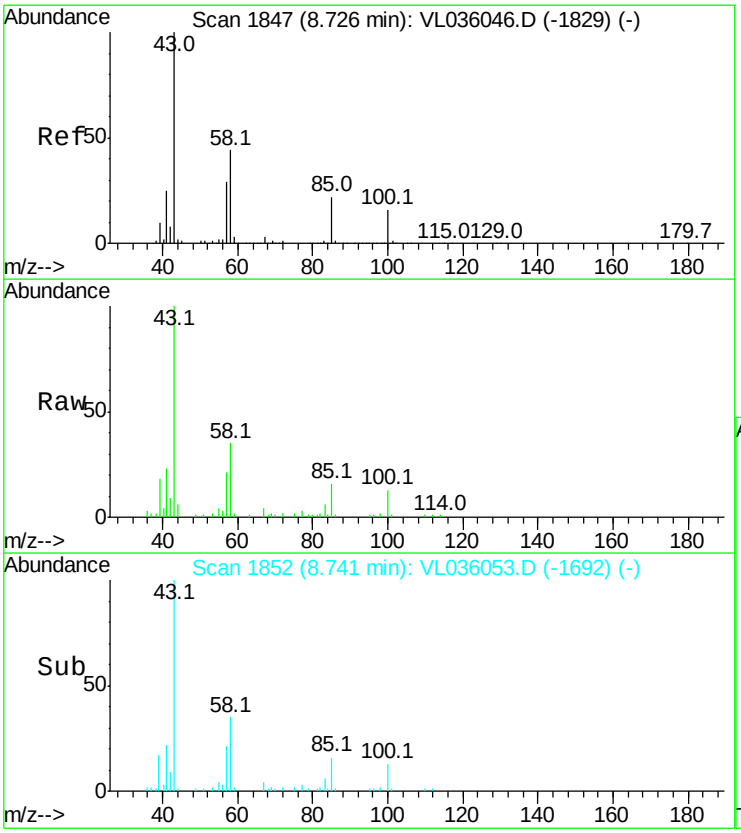
#49
Bromoform
Concen: 0.348 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:173 Resp: 51177

Ion	Ratio	Lower	Upper
173	100		
175	53.1	39.5	59.3
171	54.5	42.6	63.8

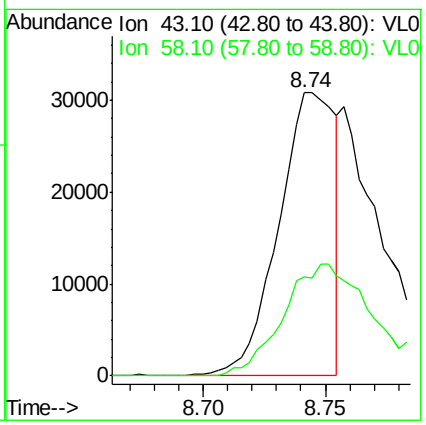


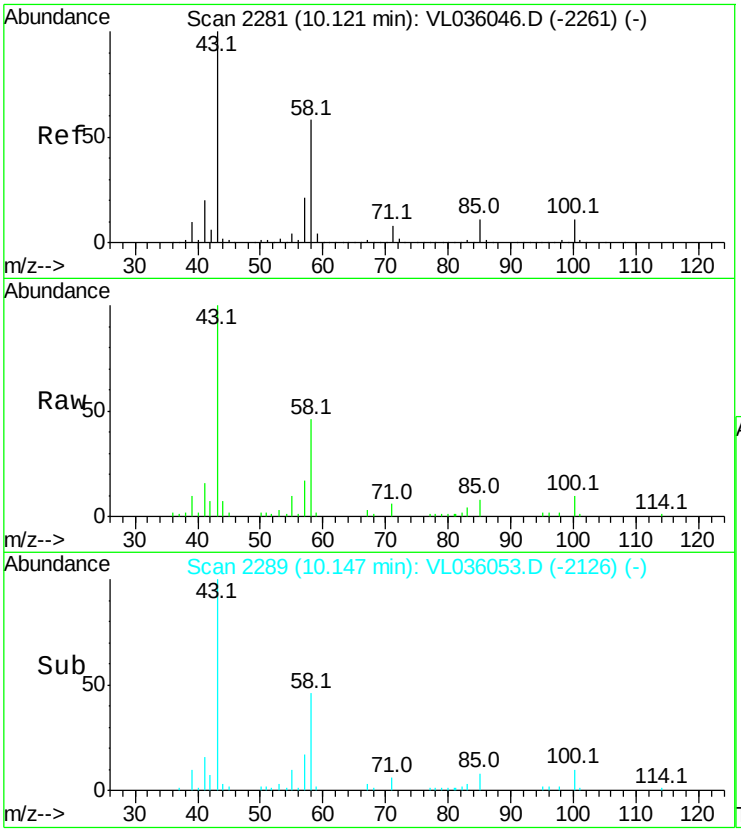


#50
4-Methyl-2-Pentanone
Concen: 0.221 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. 0.02 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 43 Resp: 49337

Ion	Ratio	Lower	Upper
43	100		
58	70.8	34.7	52.1#



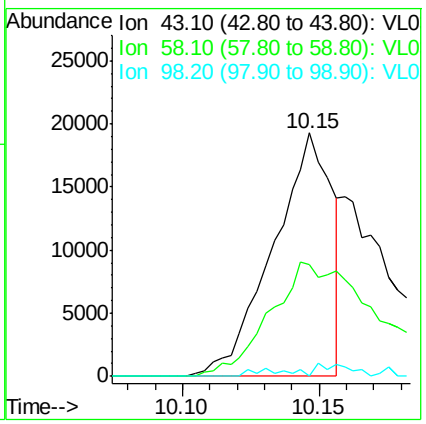


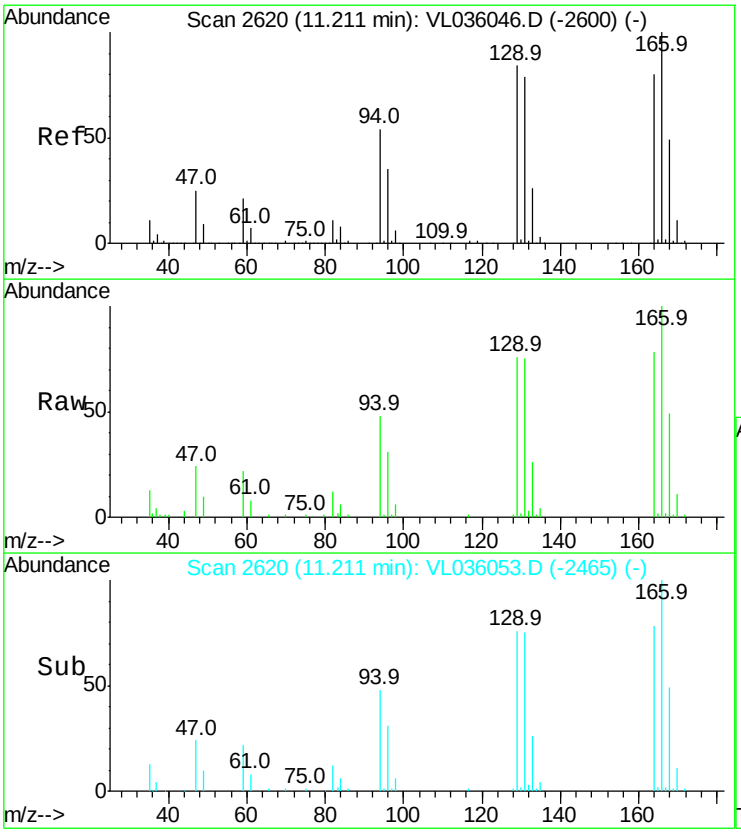
#51
2-Hexanone
Concen: 0.178 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.03 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 28812

Ion	Ratio	Lower	Upper
43	100		
58	96.5	45.7	68.5#
98	6.4	0.8	1.2#

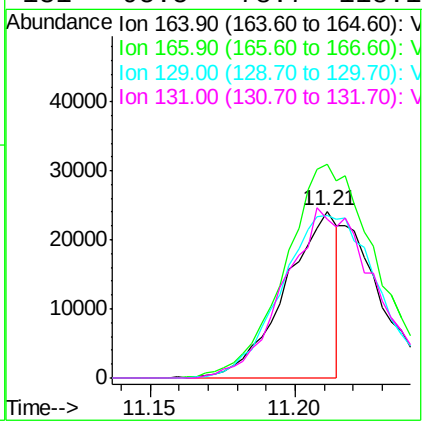


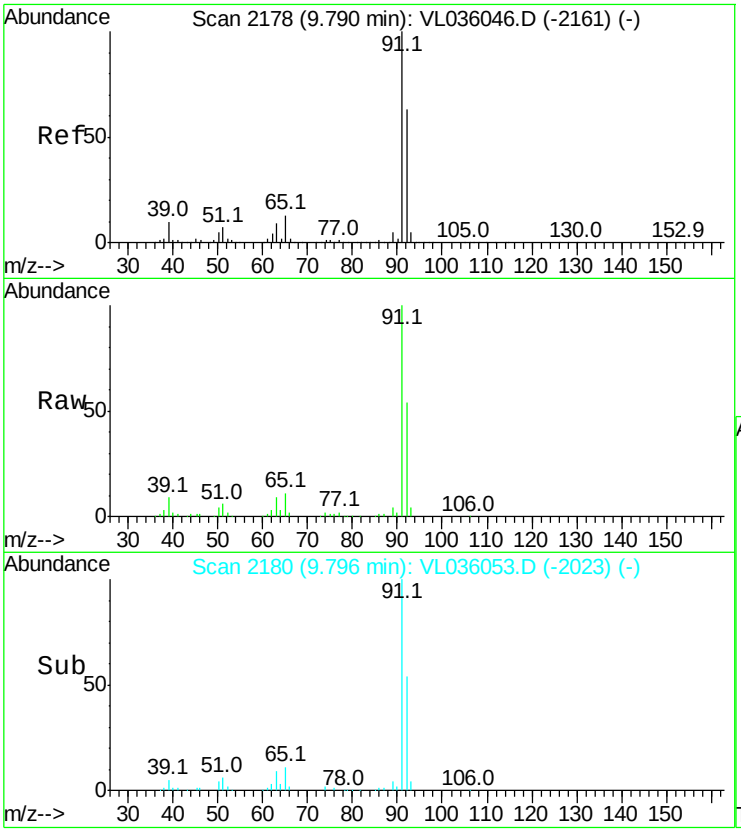


#52
Tetrachloroethene
Concen: 0.265 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:164 Resp: 30115

Ion	Ratio	Lower	Upper
164	100		
166	127.4	100.2	150.2
129	97.6	83.7	125.5
131	95.5	78.7	118.1



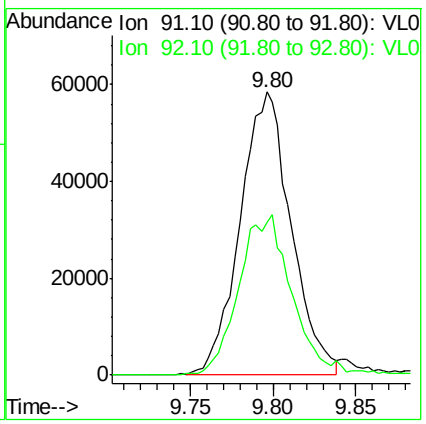


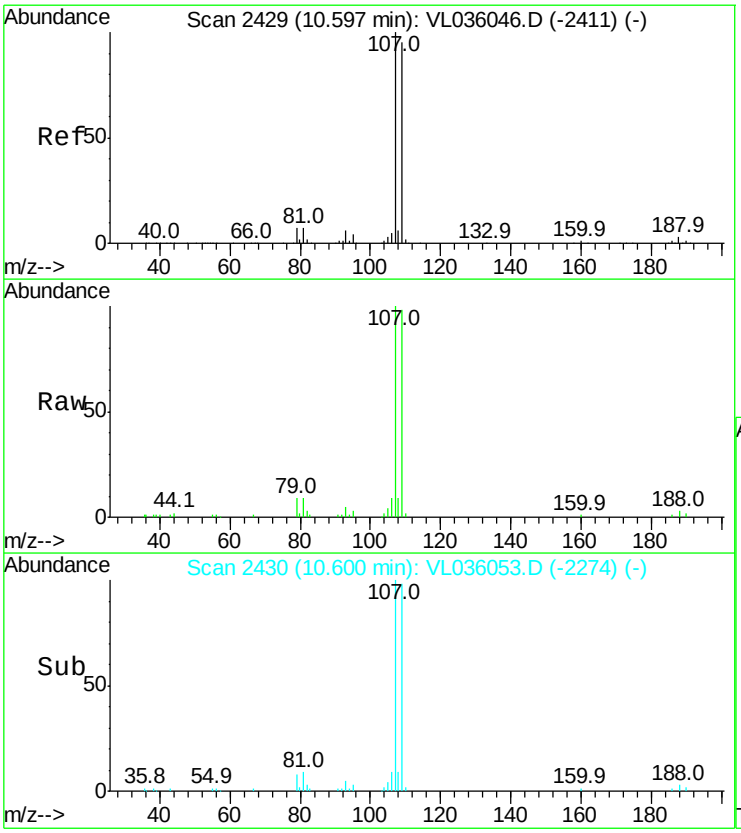
#53
Toluene
Concen: 0.393 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 125198

Ion	Ratio	Lower	Upper
91	100		
92	59.2	49.3	73.9

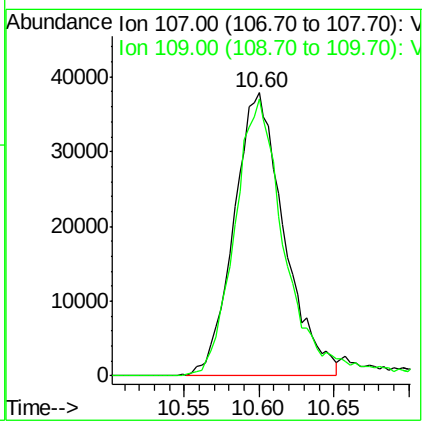


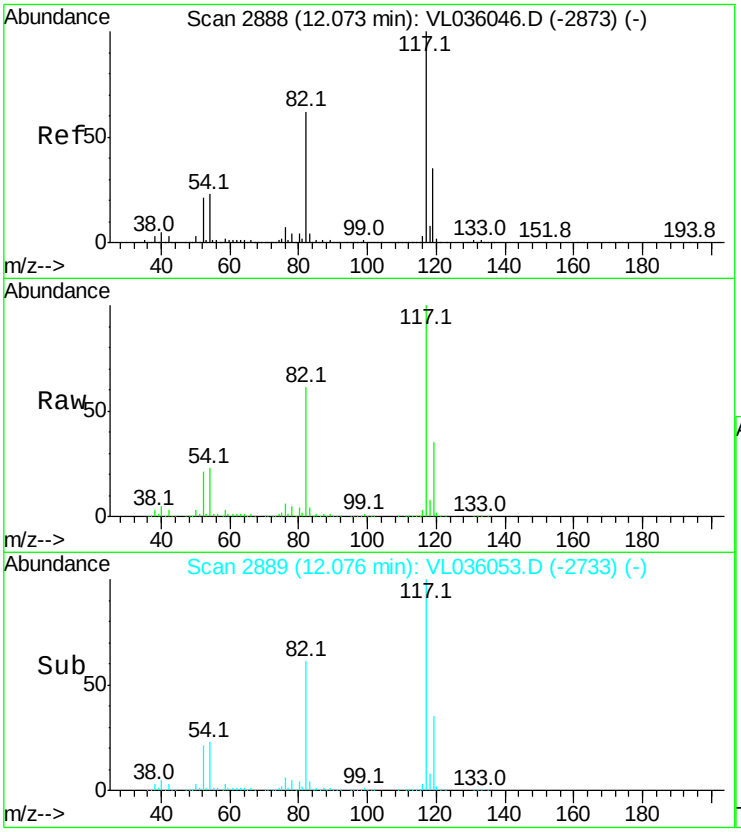


#54
1,2-Dibromoethane
Concen: 0.444 ppbv
RT: 10.60 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:107 Resp: 88535

Ion	Ratio	Lower	Upper
107	100		
109	97.1	75.7	113.5



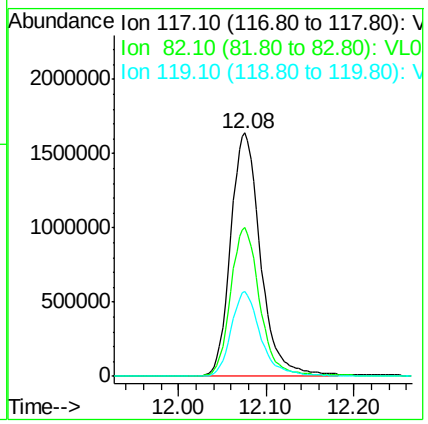


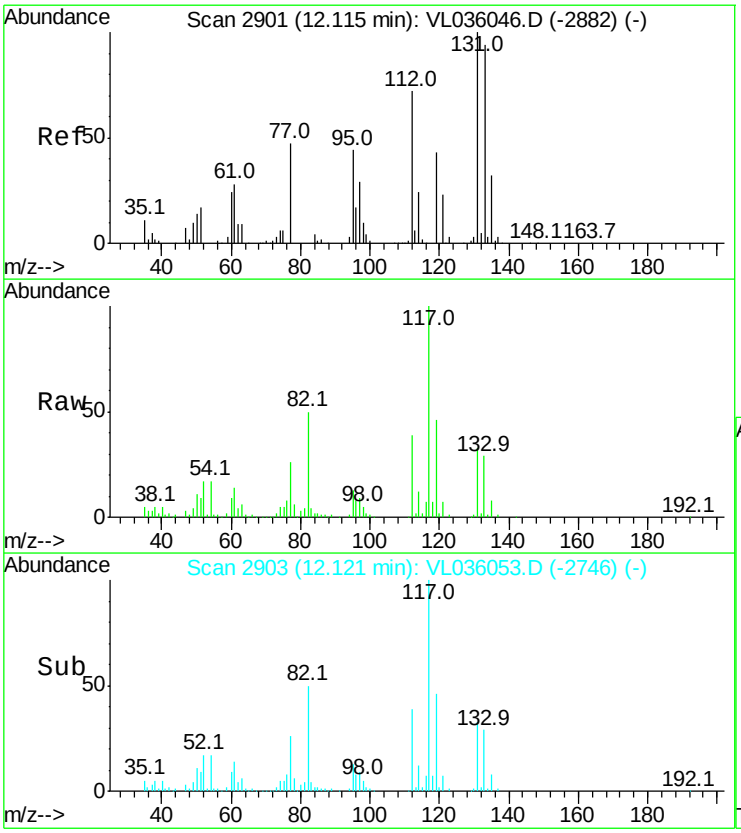
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:117 Resp: 3895325

Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.9	74.9
119	34.8	28.7	43.1

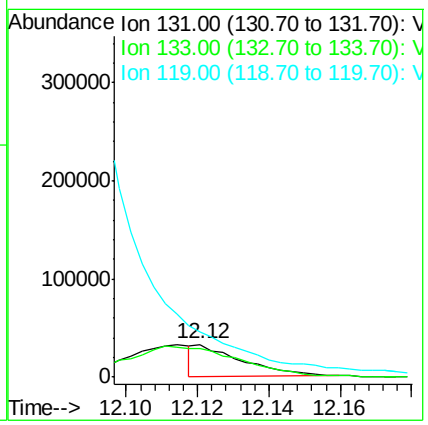


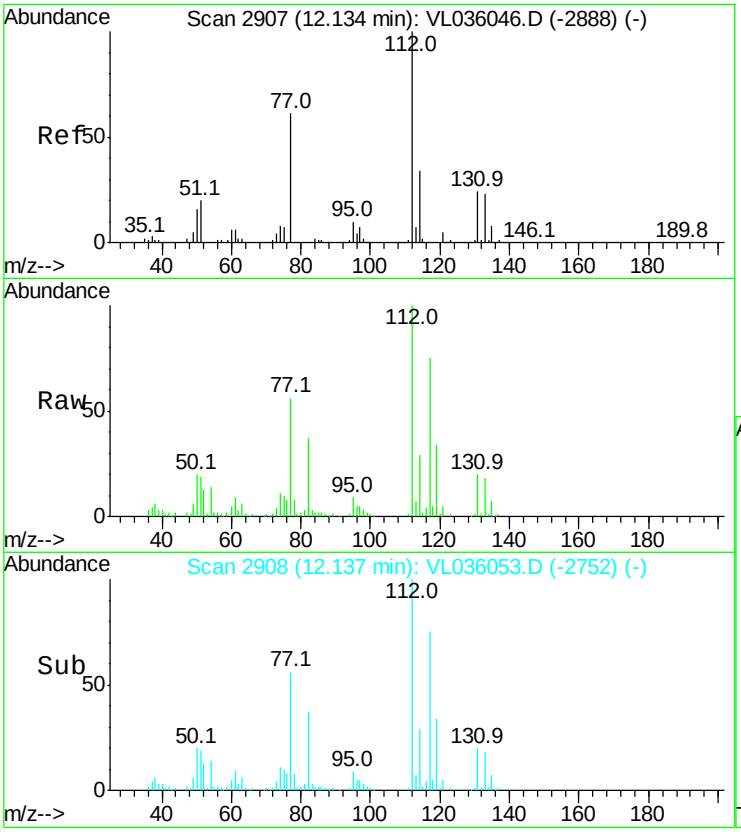


#56
1,1,1,2-Tetrachloroethane
Concen: 0.185 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:131 Resp: 29386

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.1	114.1#
119	0.0	49.5	74.3#



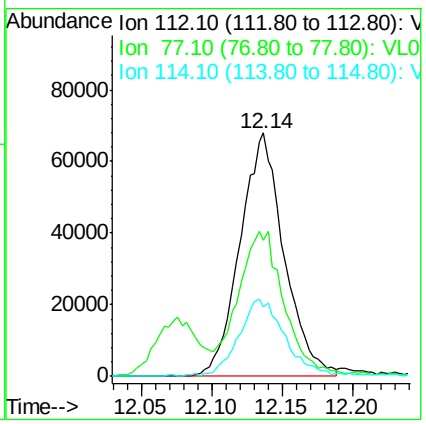


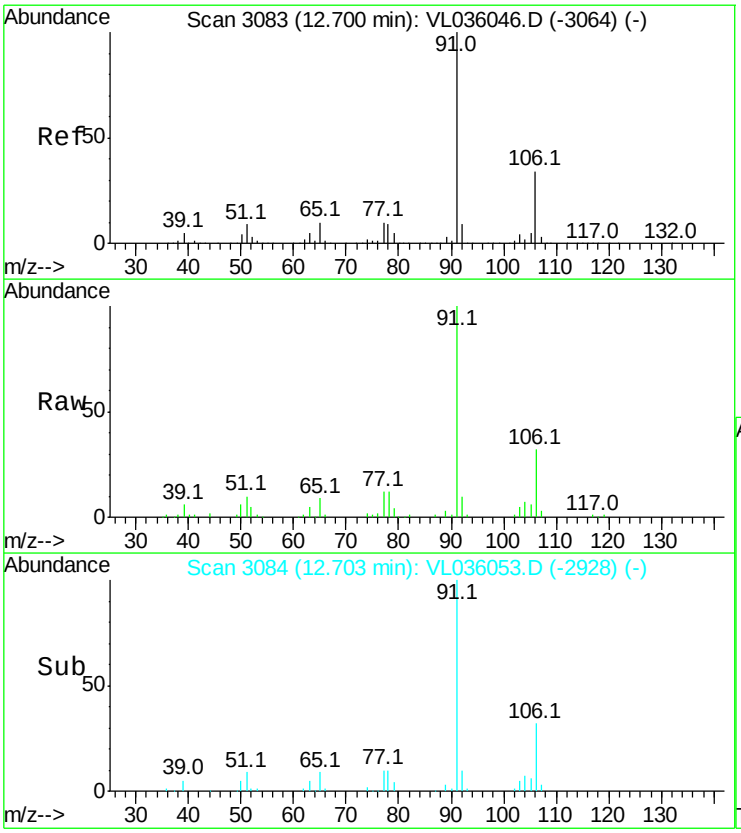
#57
Chlorobenzene
Concen: 0.516 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:112 Resp: 148259

Ion	Ratio	Lower	Upper
112	100		
77	53.6	49.3	73.9
114	28.1	30.2	36.9#

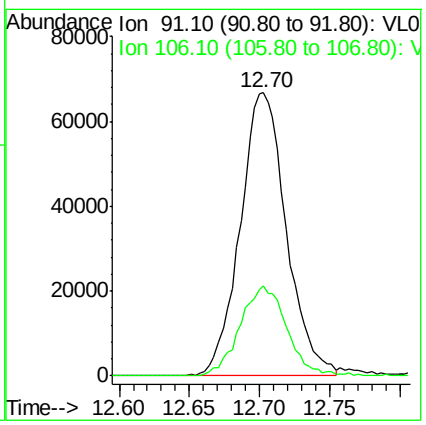


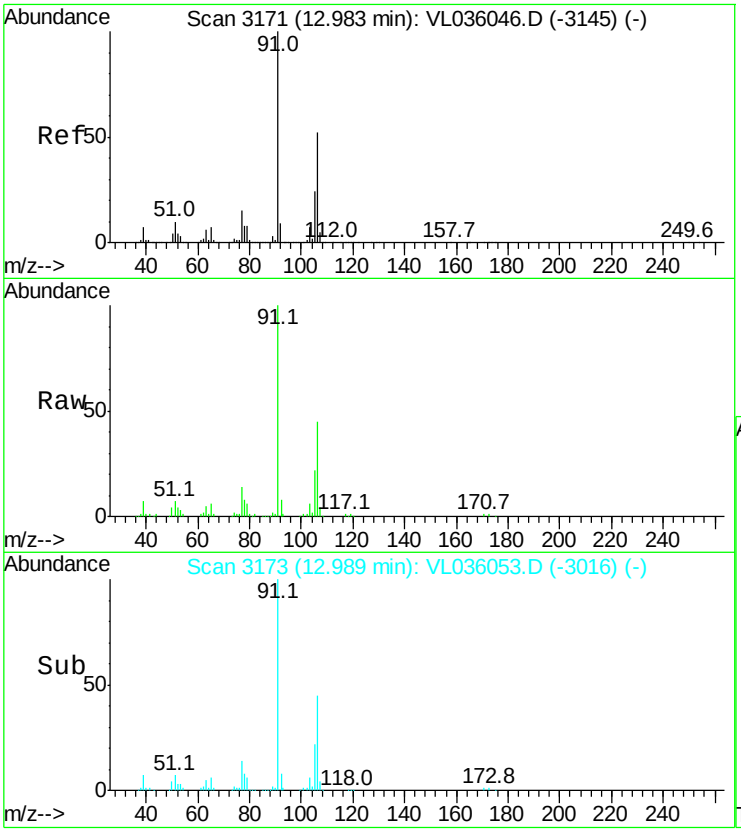


#58
Ethyl Benzene
Concen: 0.396 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 91 Resp: 152728

Ion	Ratio	Lower	Upper
91	100		
106	32.0	27.4	41.2



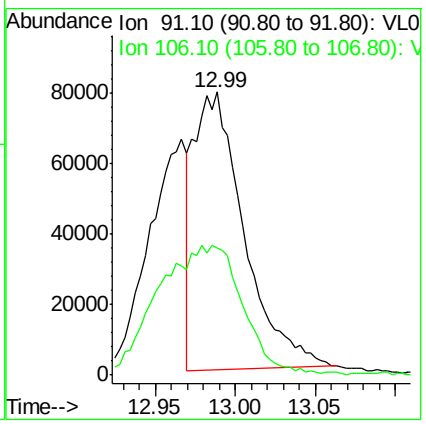


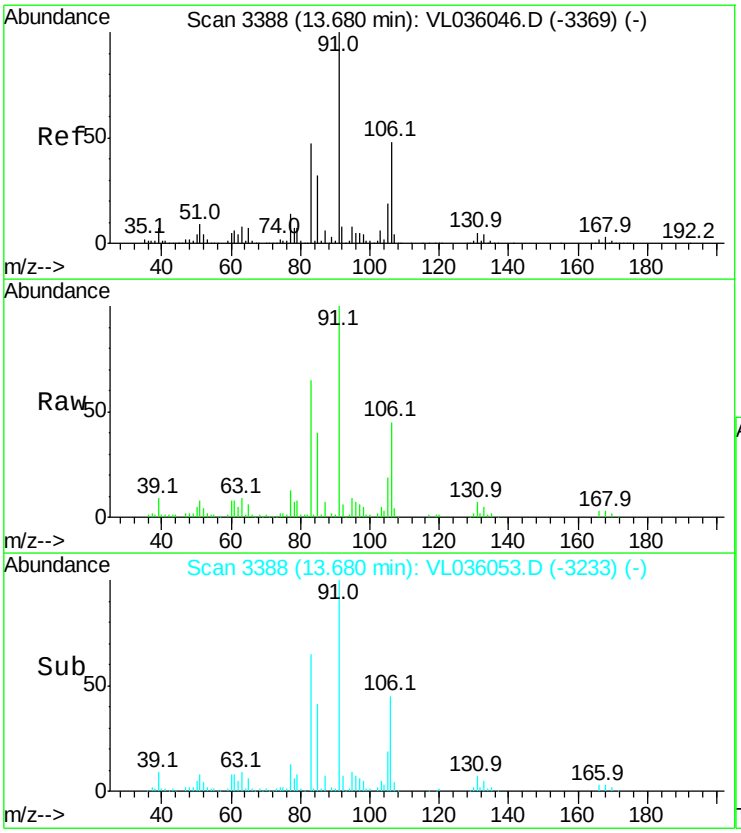
#59
m/p-Xylene
Concen: 0.487 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 170978

Ion	Ratio	Lower	Upper
91	100		
106	79.9	38.7	58.1#

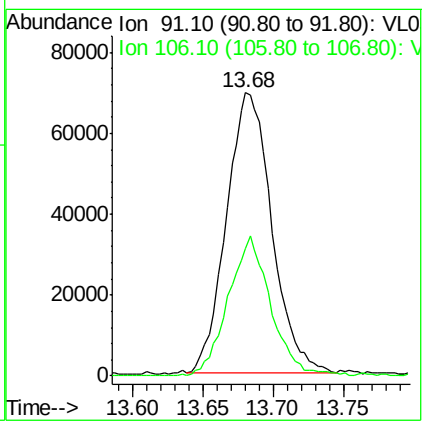


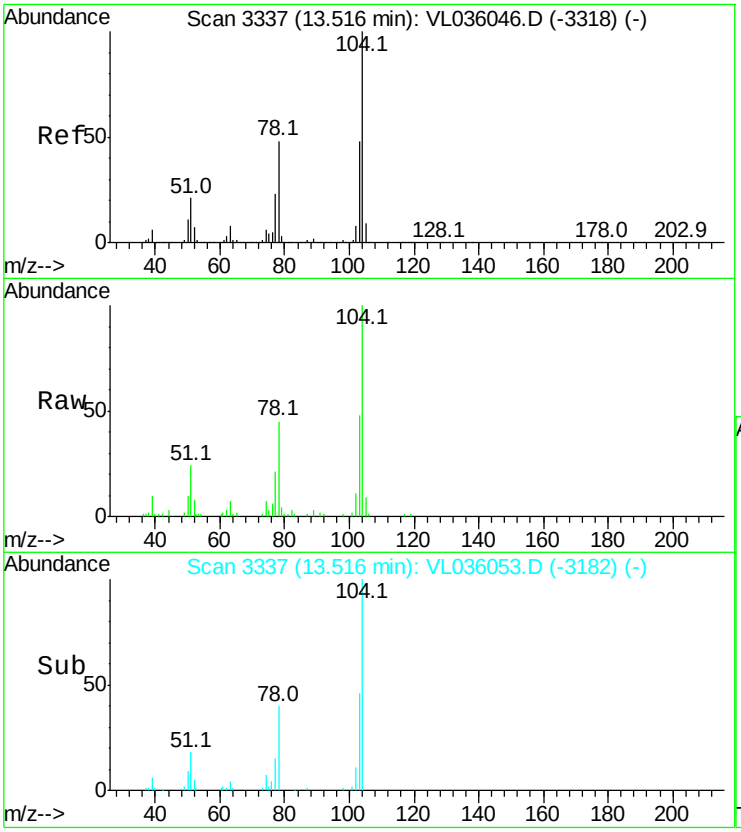


#60
o-Xylene
Concen: 0.439 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 91 Resp: 155485

Ion	Ratio	Lower	Upper
91	100		
106	47.5	24.1	72.3



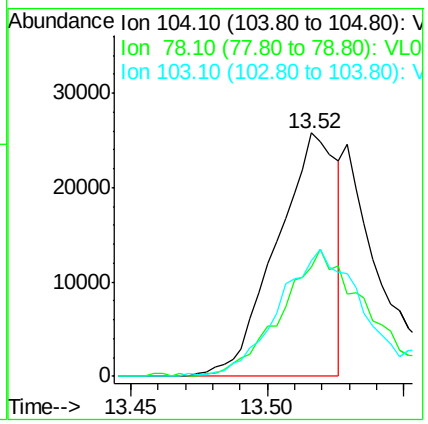


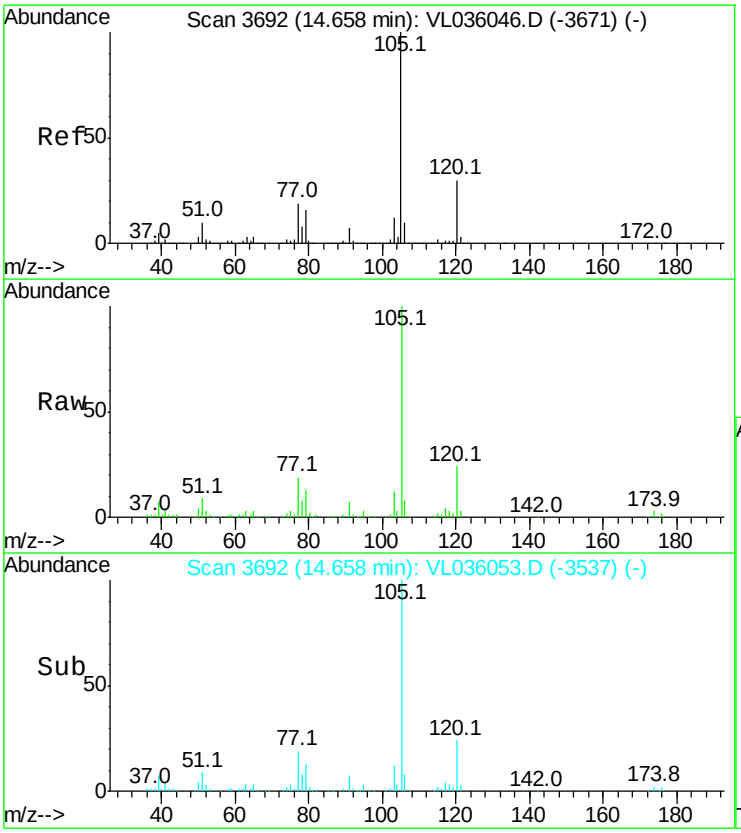
#61
Styrene
Concen: 0.196 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:104 Resp: 39325

Ion	Ratio	Lower	Upper
104	100		
78	79.8	38.0	57.0#
103	81.7	37.7	56.5#

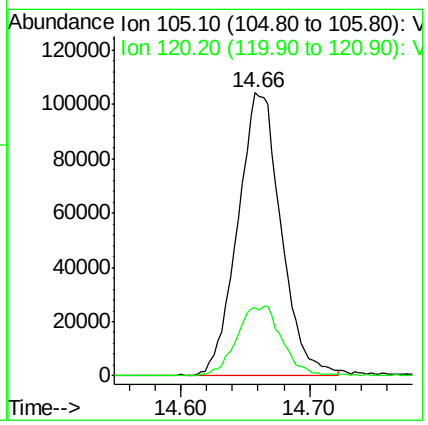


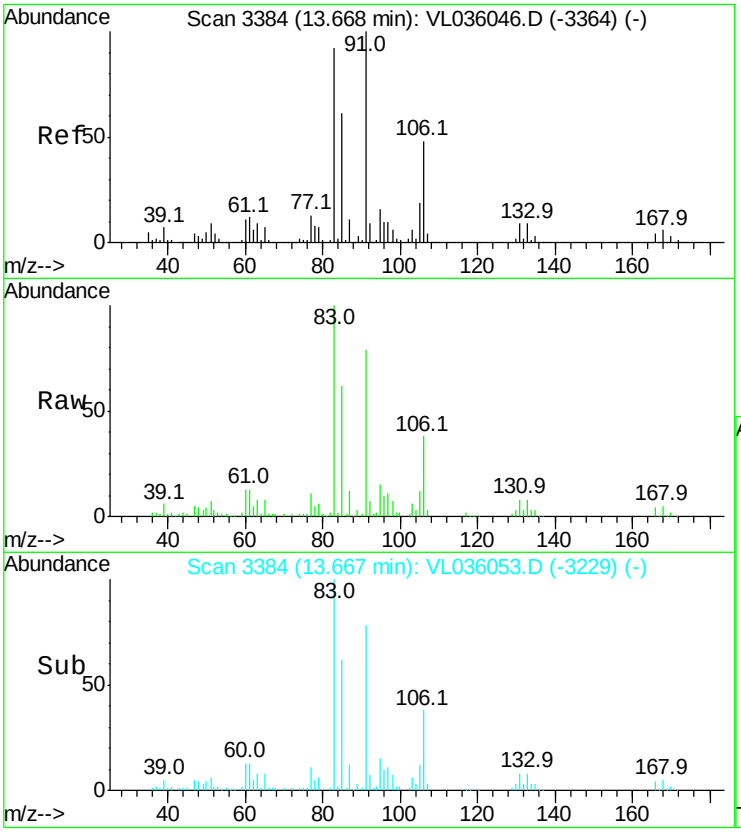


#62
Isopropylbenzene
Concen: 0.462 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:105 Resp: 243264

Ion	Ratio	Lower	Upper
105	100		
120	26.1	22.6	34.0



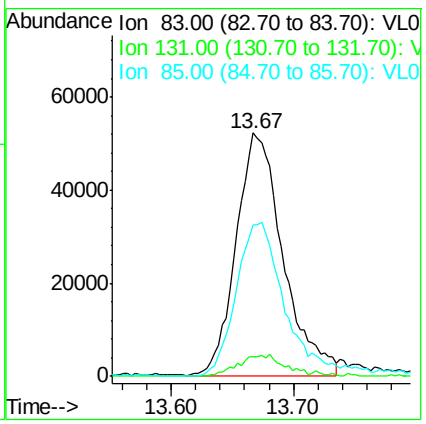


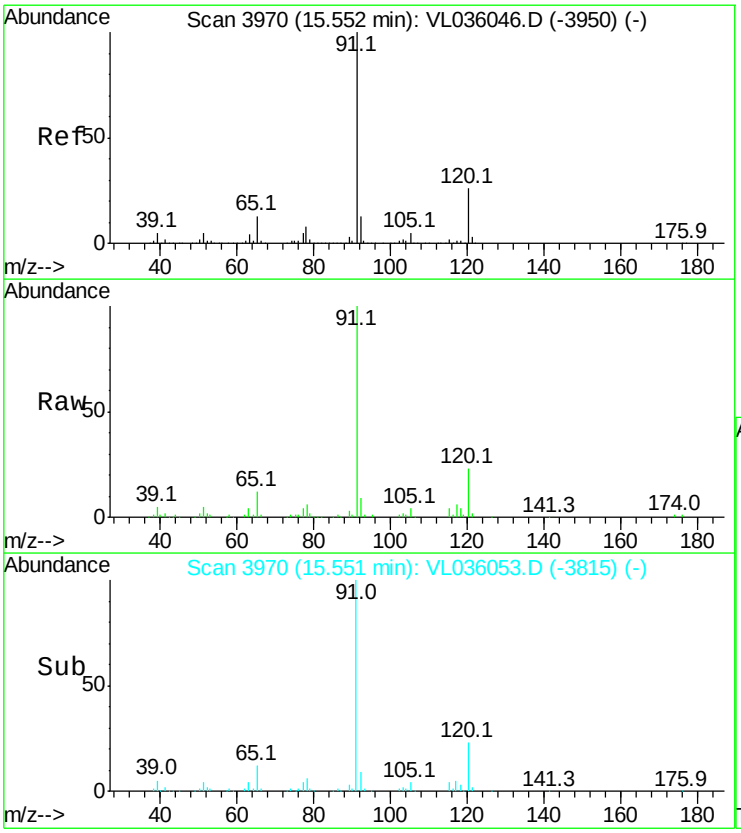
#63
1,1,2,2-Tetrachloroethane
Concen: 0.465 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 138206

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.4
85	69.5	33.3	99.9

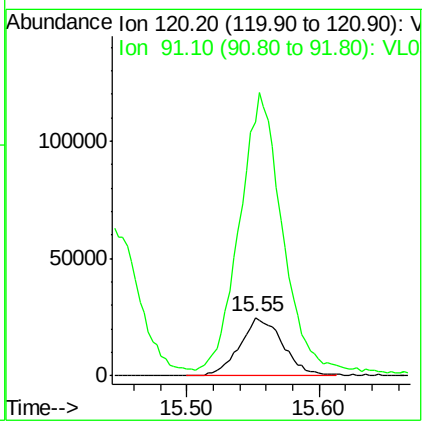


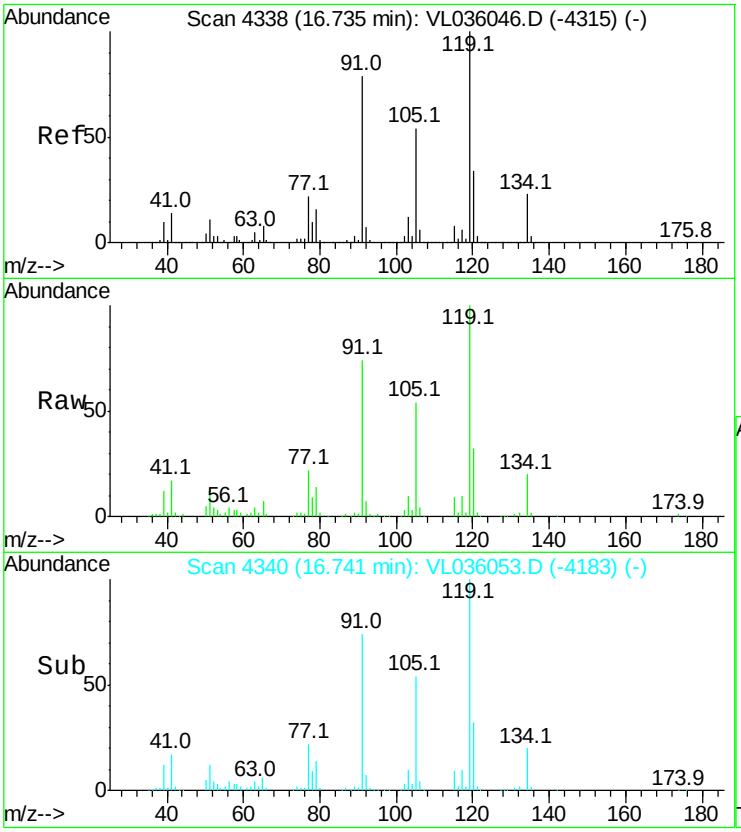


#64
n-propylbenzene
Concen: 0.406 ppbv
RT: 15.55 min Scan# 3970
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:120 Resp: 56296

Ion	Ratio	Lower	Upper
120	100		
91	502.2	331.4	497.2#



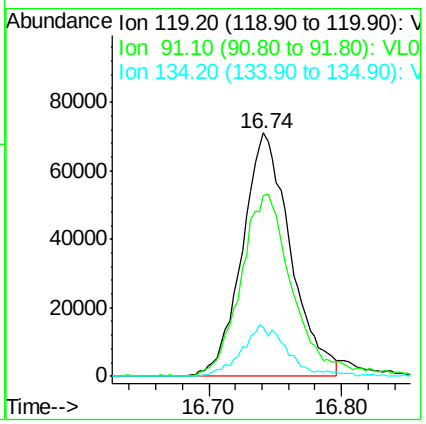


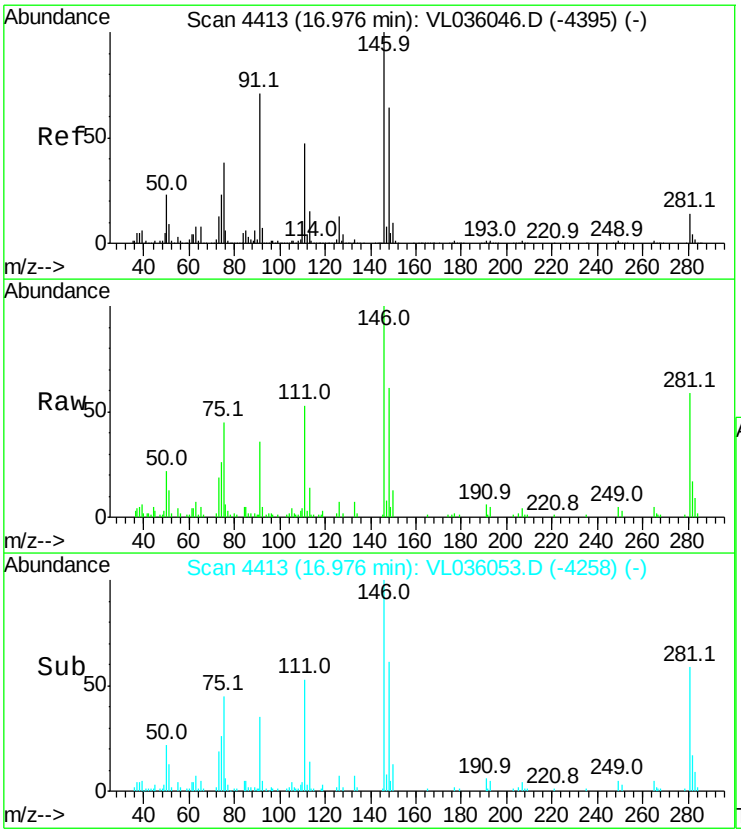
#65
tert-Butylbenzene
Concen: 0.407 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 179579

Ion	Ratio	Lower	Upper
119	100		
91	81.9	63.4	95.2
134	20.3	17.1	25.7

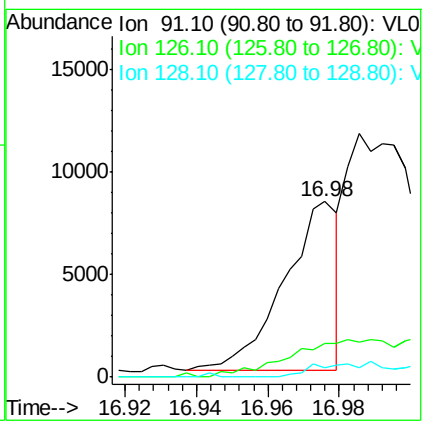


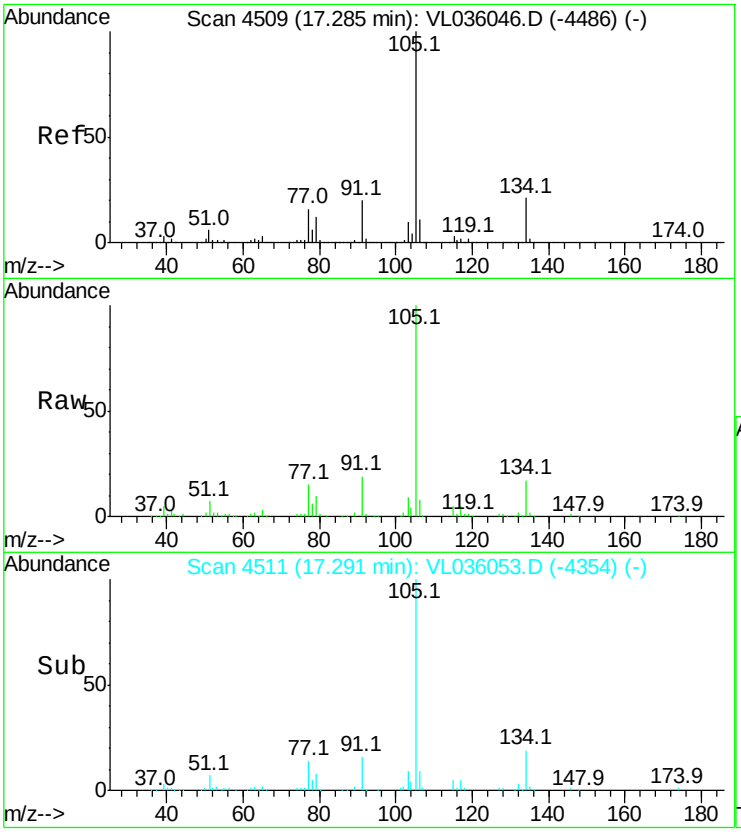


#66
Benzyl Chloride
Concen: 0.082 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 91 Resp: 8681

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.3	21.5#
128	0.0	4.7	7.1#



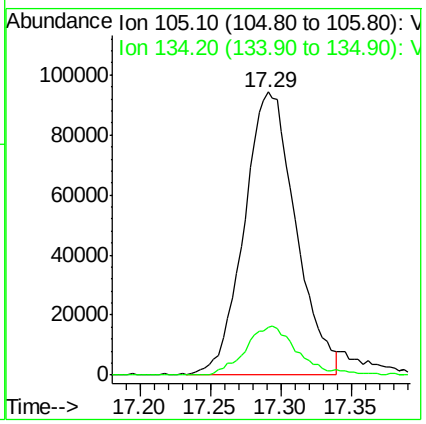


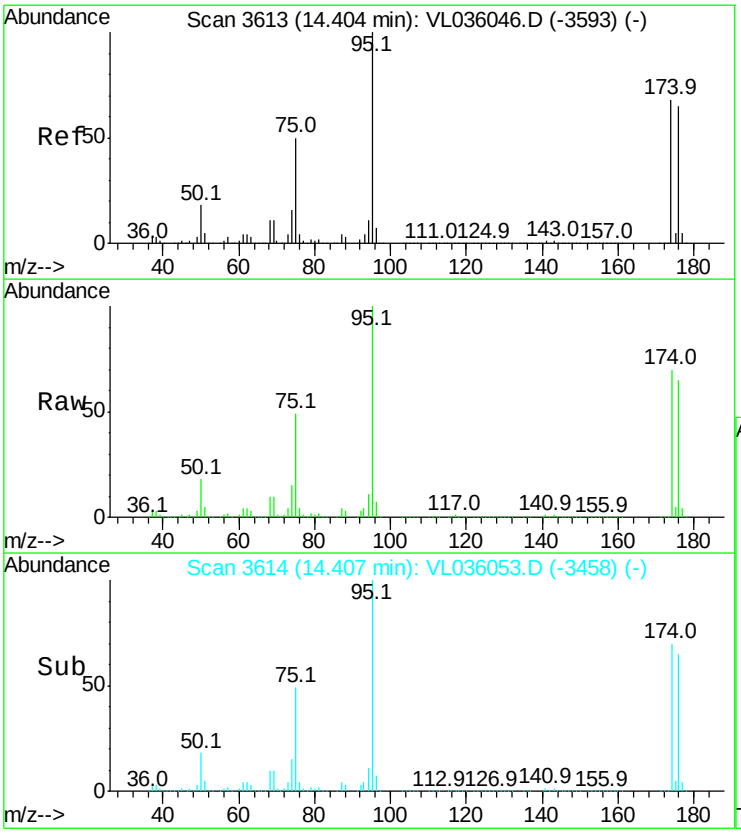
#67
sec-Butylbenzene
Concen: 0.397 ppbv
RT: 17.29 min Scan# 4511
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 239005

Ion	Ratio	Lower	Upper
105	100		
134	17.9	15.8	23.8

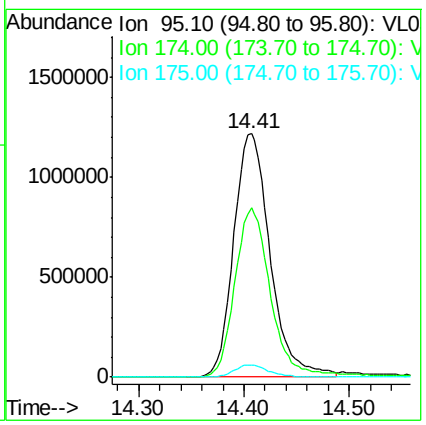


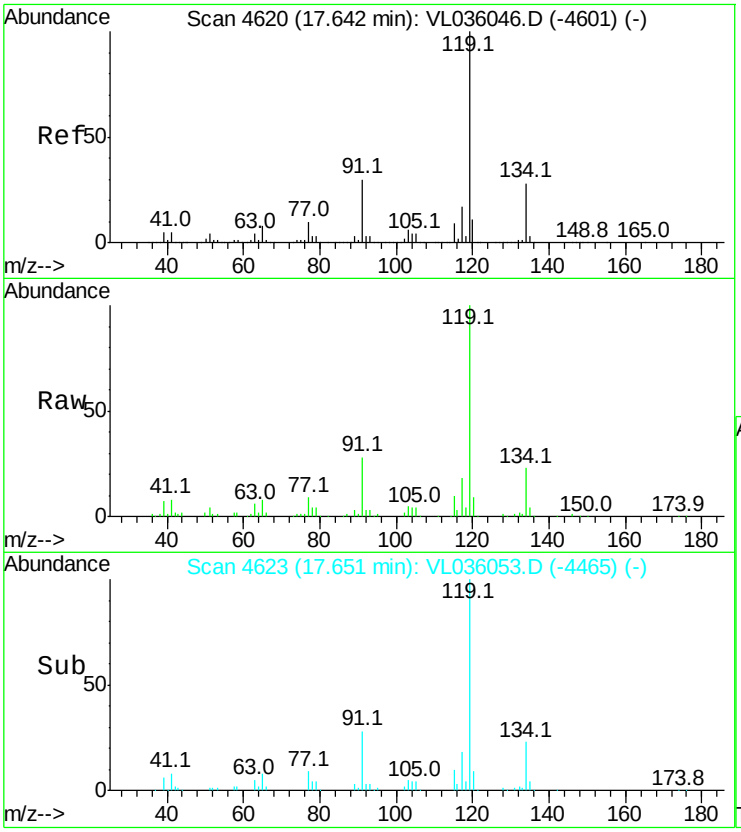


#68
1-Bromo-4-Fluorobenzene
Concen: 9.828 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 95 Resp: 2925079

Ion	Ratio	Lower	Upper
95	100		
174	69.9	54.2	81.2
175	4.8	3.8	5.8



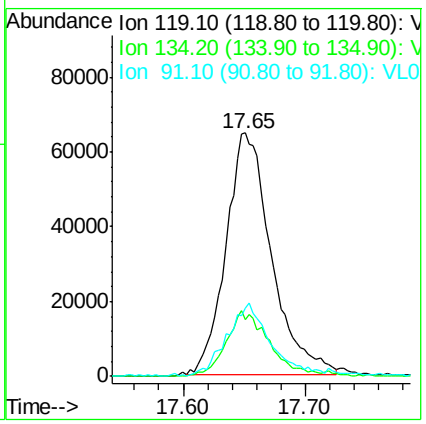


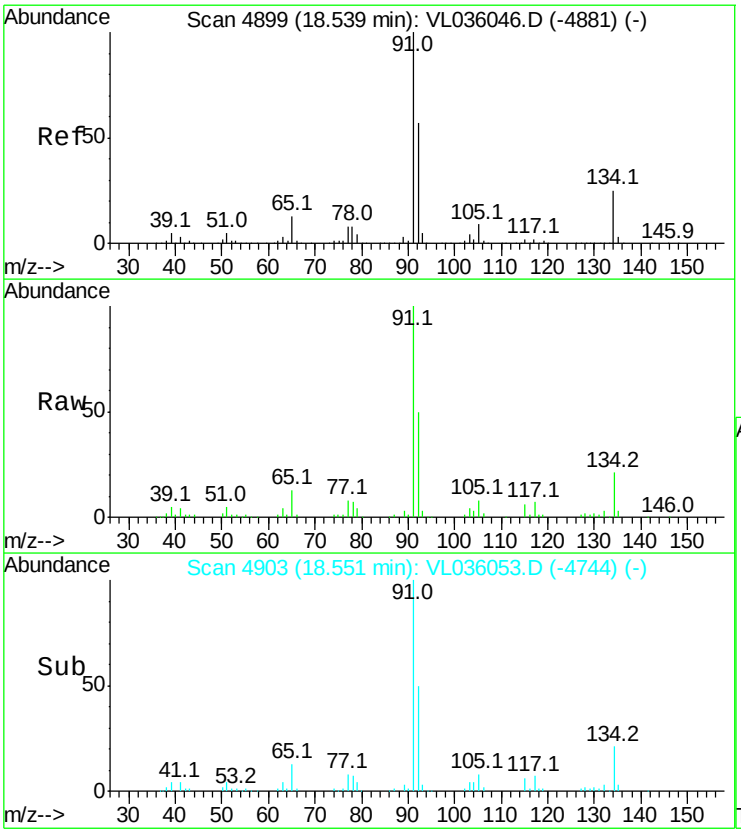
#69
p-Isopropyltoluene
Concen: 0.367 ppbv
RT: 17.65 min Scan# 4623
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:119 Resp: 166826

Ion	Ratio	Lower	Upper
119	100		
134	26.3	22.2	33.2
91	31.7	23.2	34.8

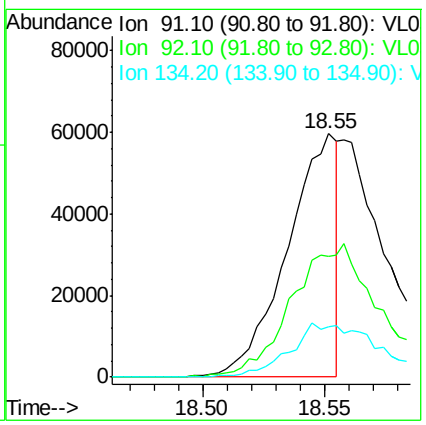


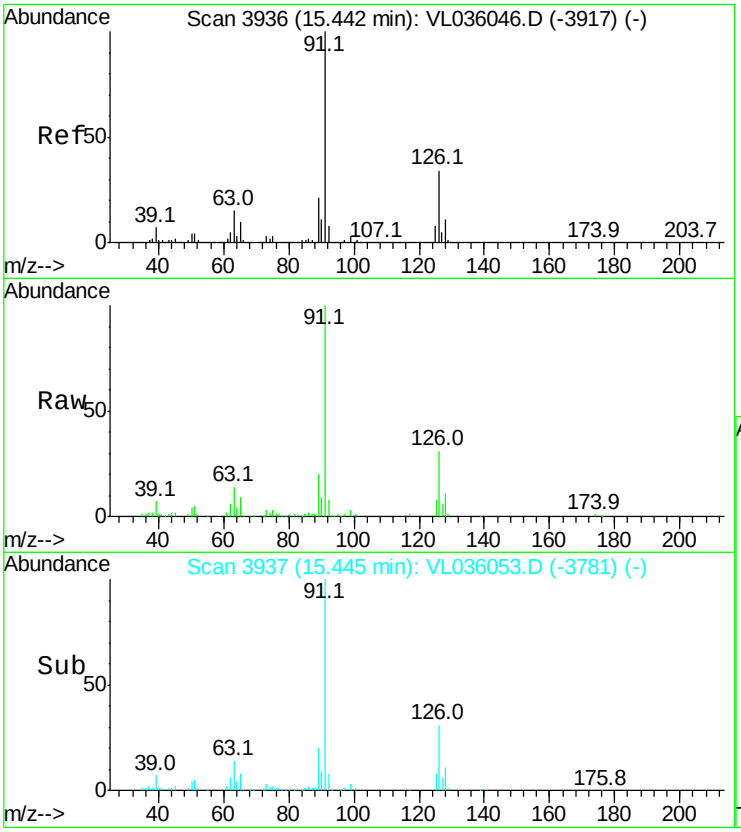


#70
n-Butylbenzene
Concen: 0.188 ppbv
RT: 18.55 min Scan# 4903
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 91 Resp: 84664

Ion	Ratio	Lower	Upper
91	100		
92	0.0	45.2	67.8#
134	42.3	19.2	28.8#



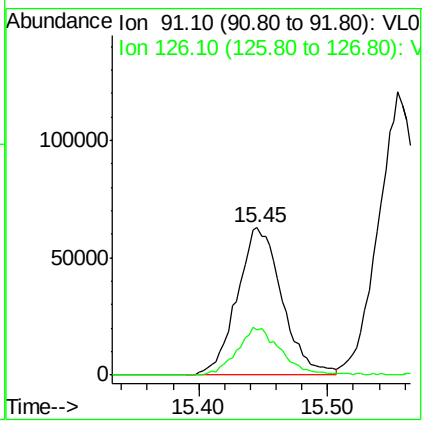


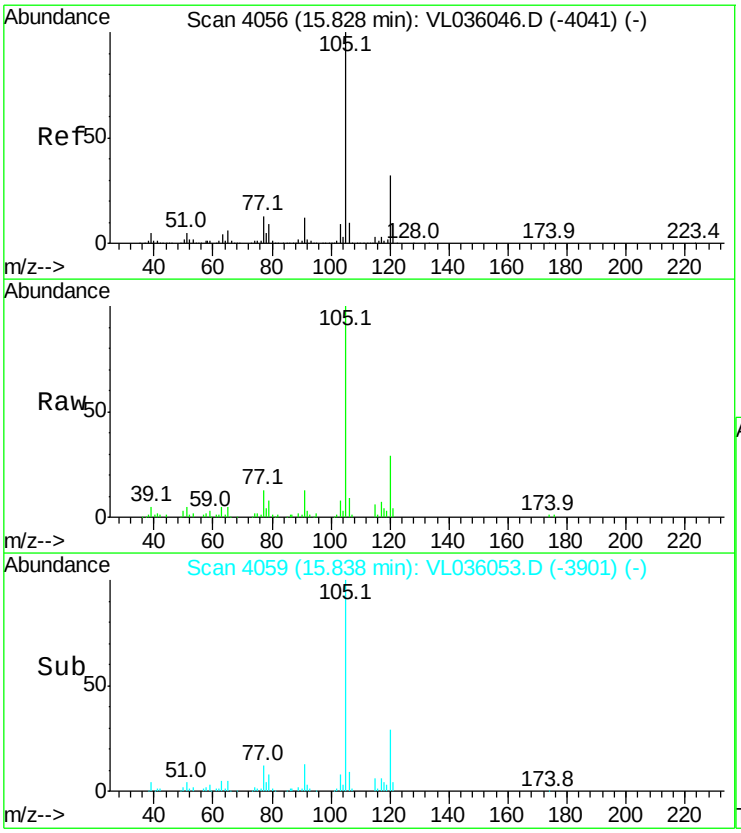
#71
2-Chlorotoluene
Concen: 0.422 ppbv
RT: 15.45 min Scan# 3937
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 152748

Ion	Ratio	Lower	Upper
91	100		
126	31.8	13.2	53.0

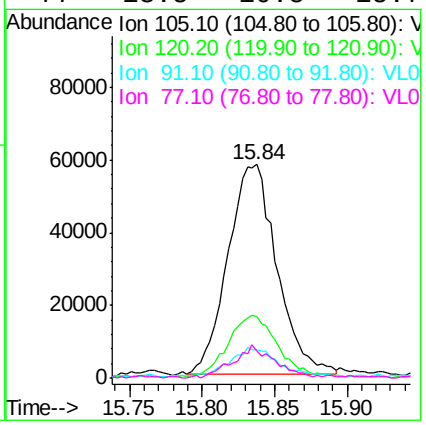


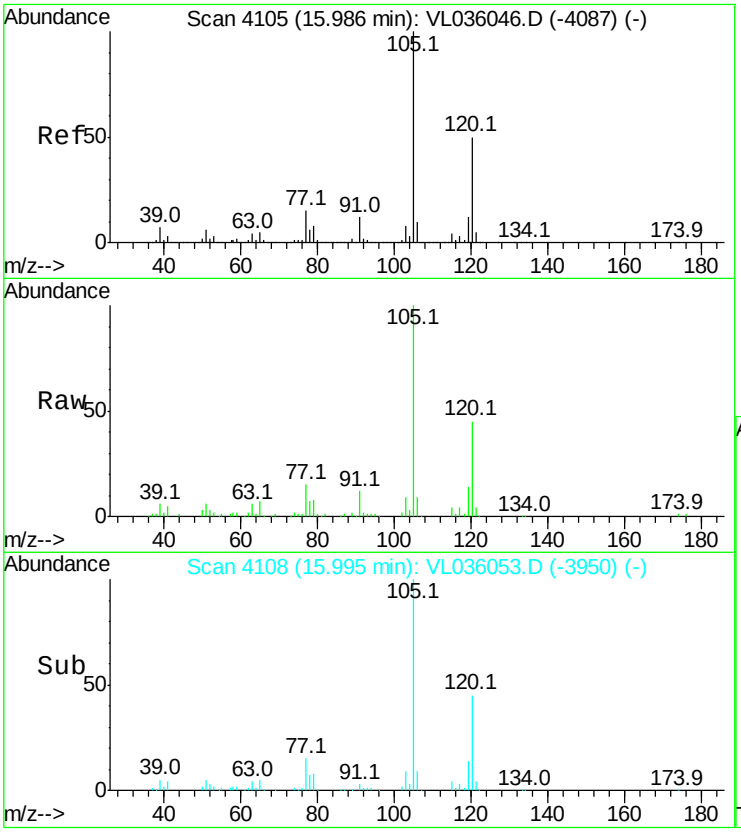


#72
4-Ethyltoluene
Concen: 0.371 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:105 Resp: 135378

Ion	Ratio	Lower	Upper
105	100		
120	32.0	25.3	37.9
91	13.7	10.1	15.1
77	13.5	10.5	15.7



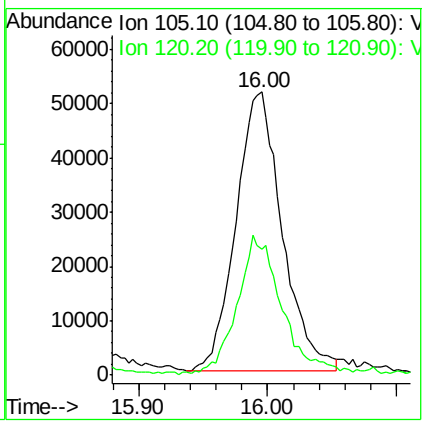


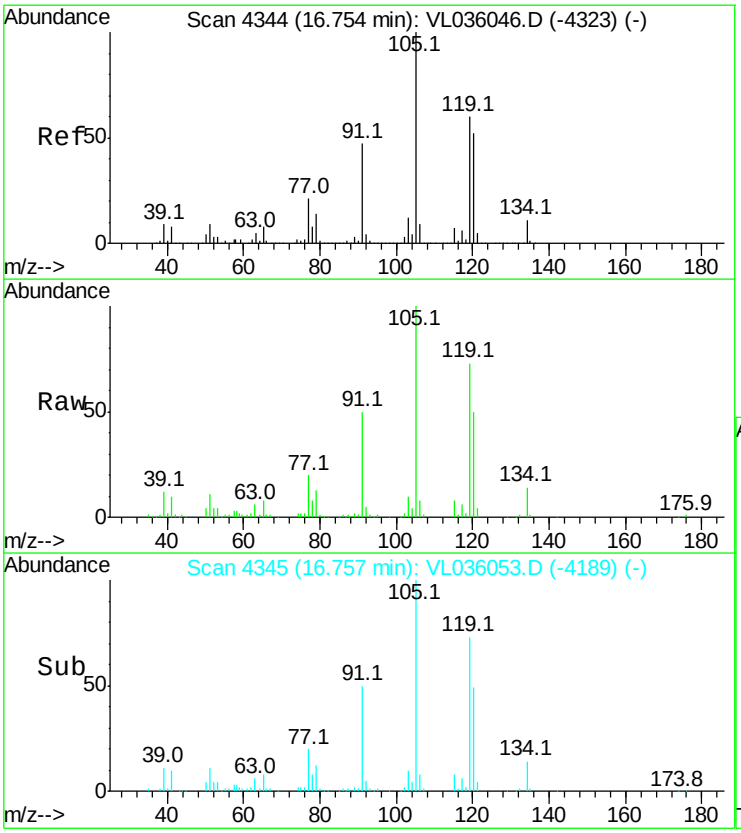
#73
1,3,5-Trimethylbenzene
Concen: 0.373 ppbv
RT: 16.00 min Scan# 4108
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 127648

Ion	Ratio	Lower	Upper
105	100		
120	44.3	39.8	59.8

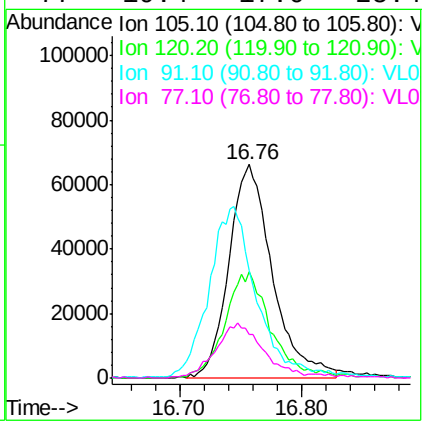


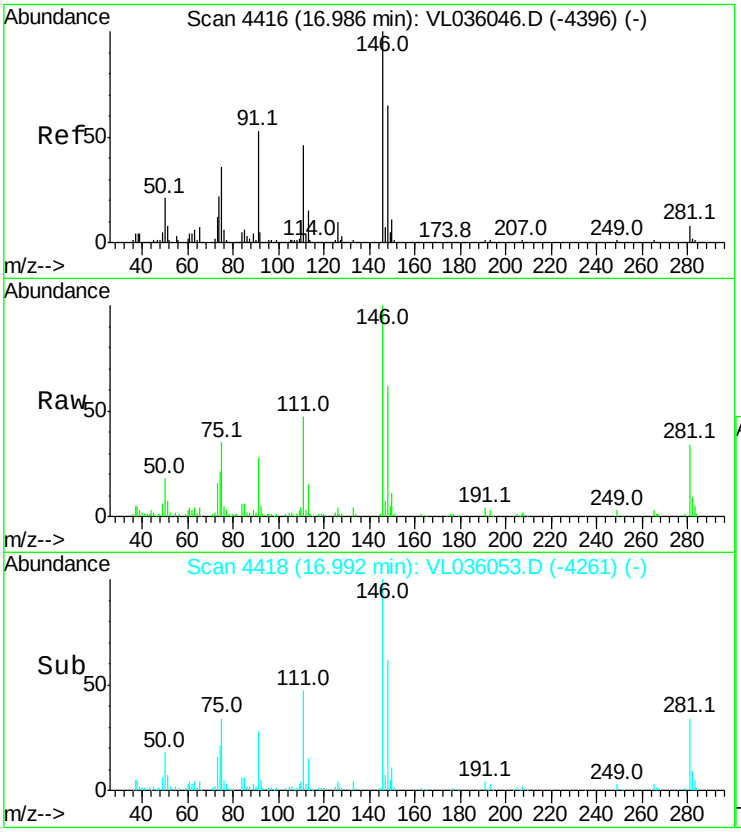


#74
1,2,4-Trimethylbenzene
Concen: 0.430 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:105 Resp: 163944

Ion	Ratio	Lower	Upper
105	100		
120	49.0	41.5	62.3
91	48.4	38.1	57.1
77	19.4	17.0	25.4



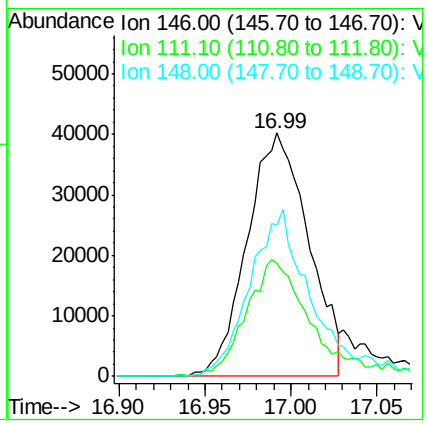


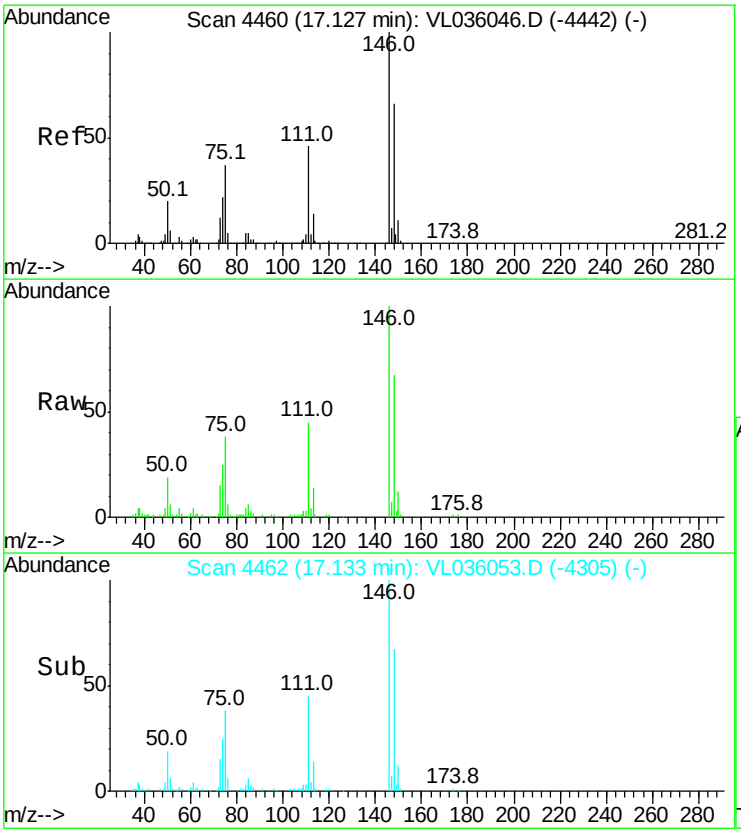
#75
1,3-Dichlorobenzene
Concen: 0.432 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 99613

Ion	Ratio	Lower	Upper
146	100		
111	51.5	22.9	68.7
148	69.9	32.4	97.0

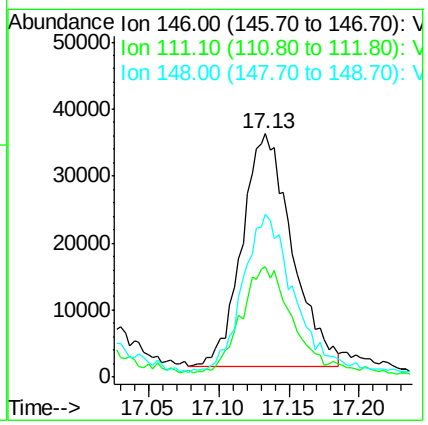


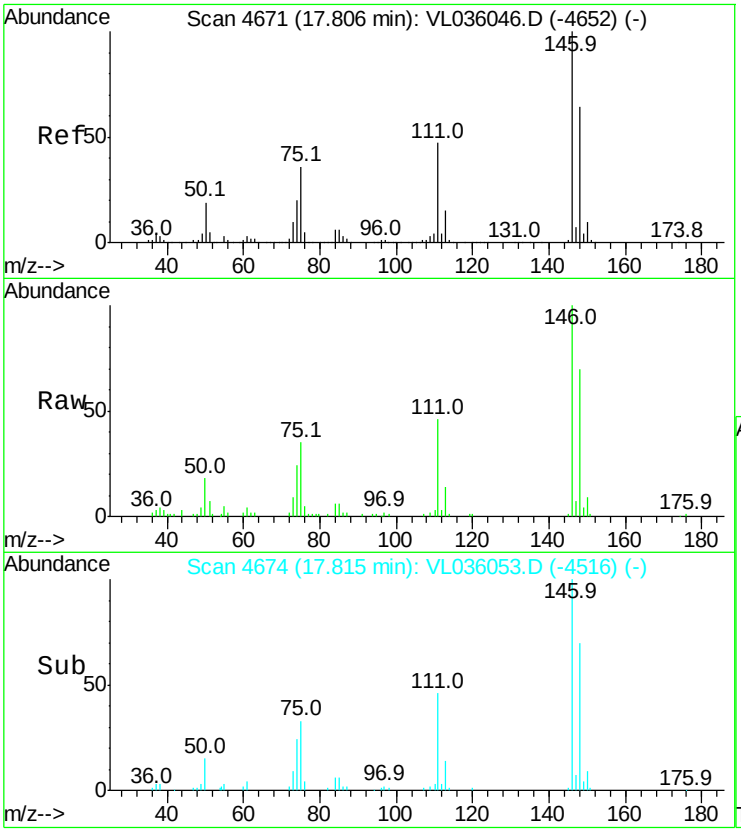


#76
1,4-Dichlorobenzene
Concen: 0.396 ppbv
RT: 17.13 min Scan# 4462
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:146 Resp: 86369

Ion	Ratio	Lower	Upper
146	100		
111	53.7	22.4	67.2
148	73.5	33.0	98.9



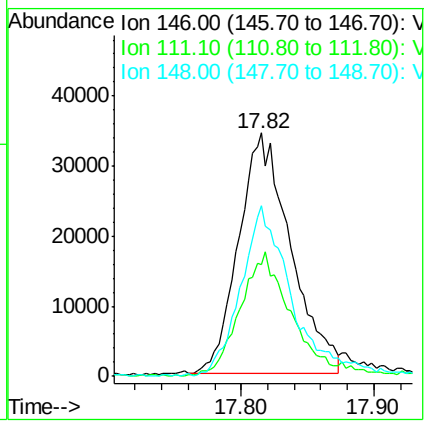


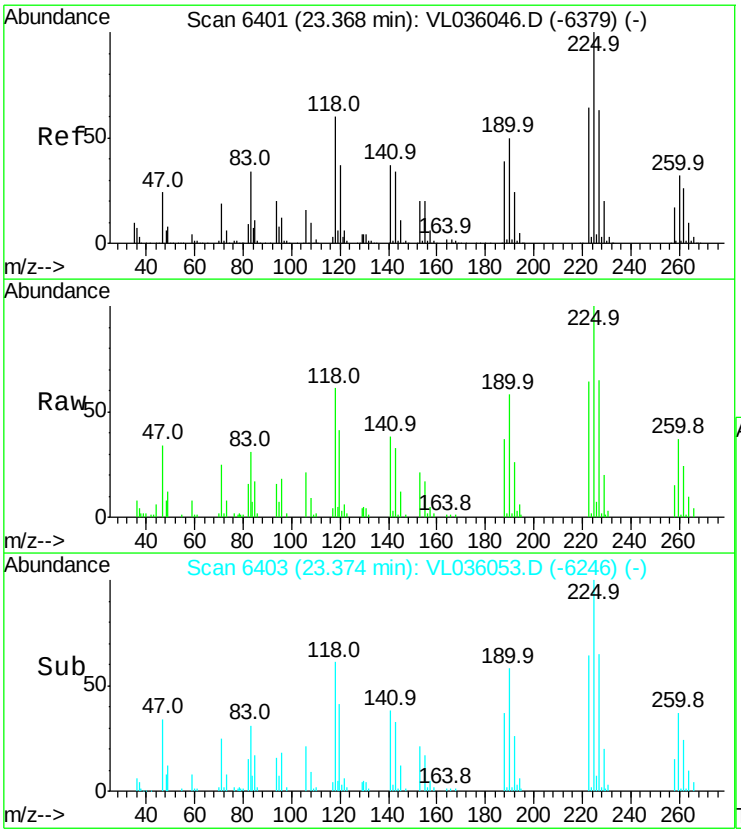
#77
1,2-Dichlorobenzene
Concen: 0.445 ppbv
RT: 17.82 min Scan# 4674
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 94132

Ion	Ratio	Lower	Upper
146	100		
111	51.9	23.5	70.6
148	71.4	32.5	97.5

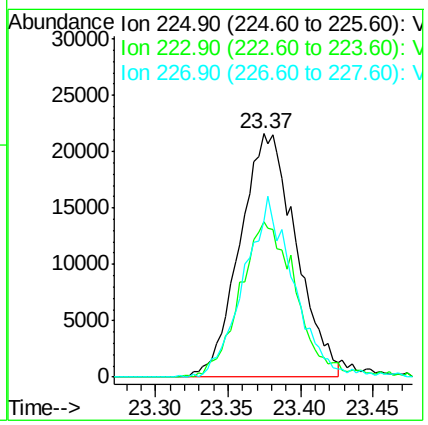


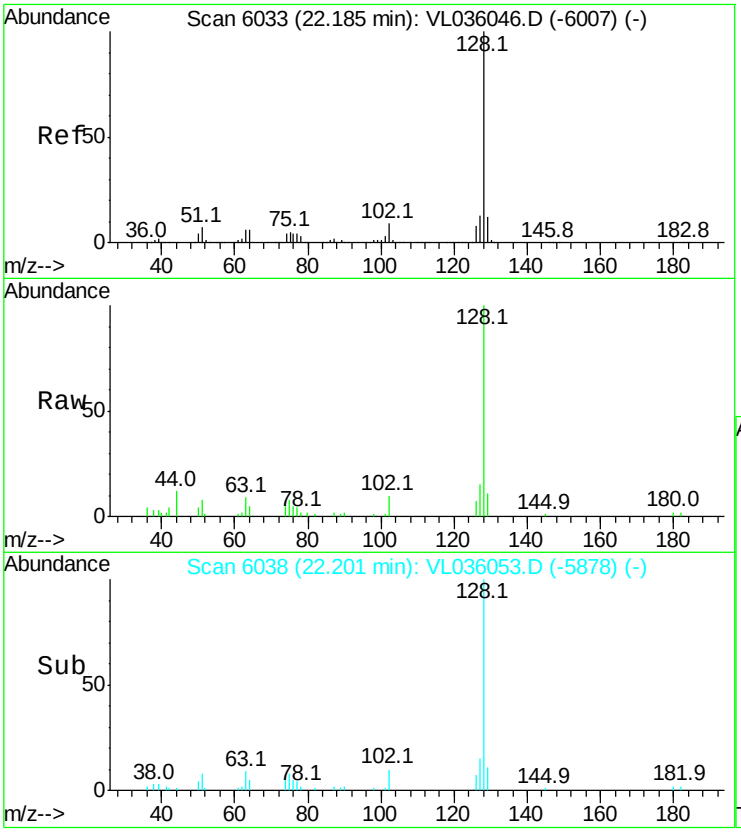


#78
Hexachloro-1,3-Butadiene
Concen: 0.499 ppbv
RT: 23.37 min Scan# 6403
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:225 Resp: 58082

Ion	Ratio	Lower	Upper
225	100		
223	64.7	51.0	76.4
227	66.6	51.2	76.8



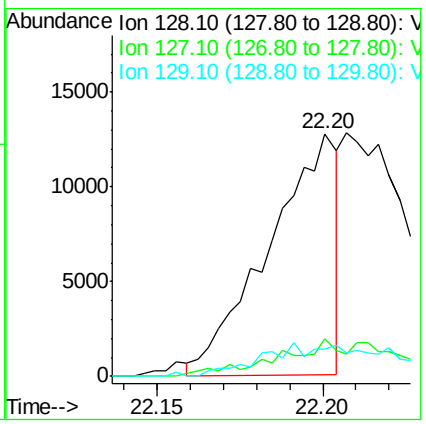


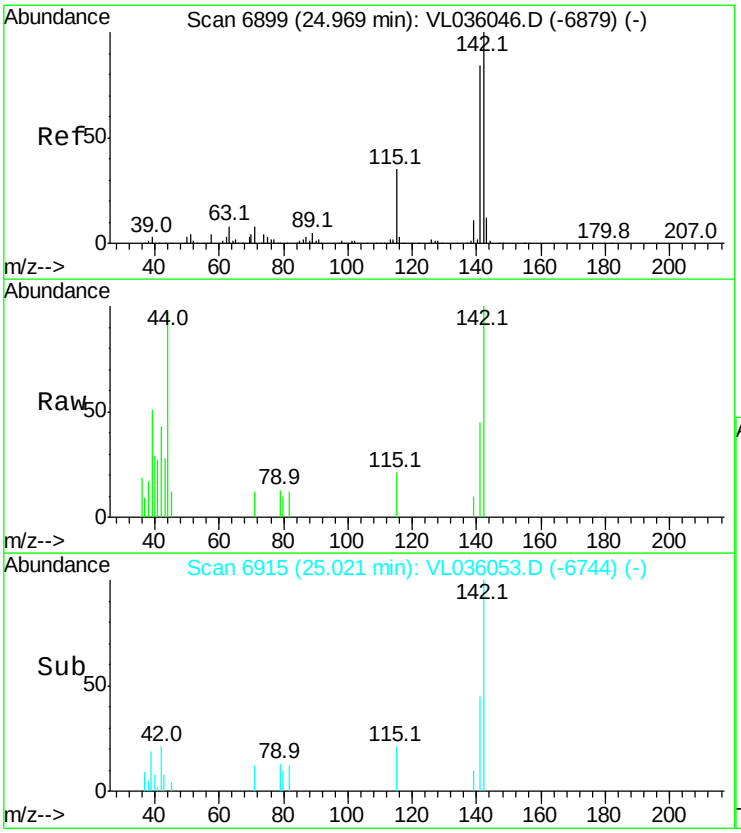
#79
Naphthalene
Concen: 0.103 ppbv
RT: 22.20 min Scan# 6038
Delta R.T. 0.02 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:128 Resp: 18243

Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.3	15.5
129	11.7	9.3	13.9

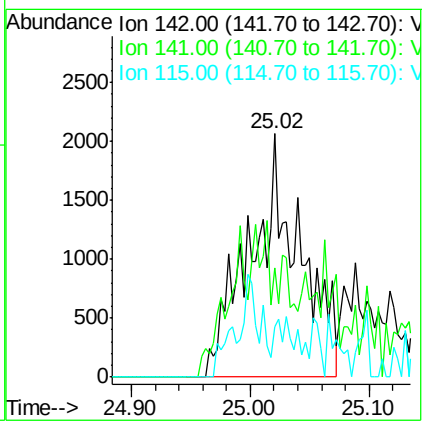


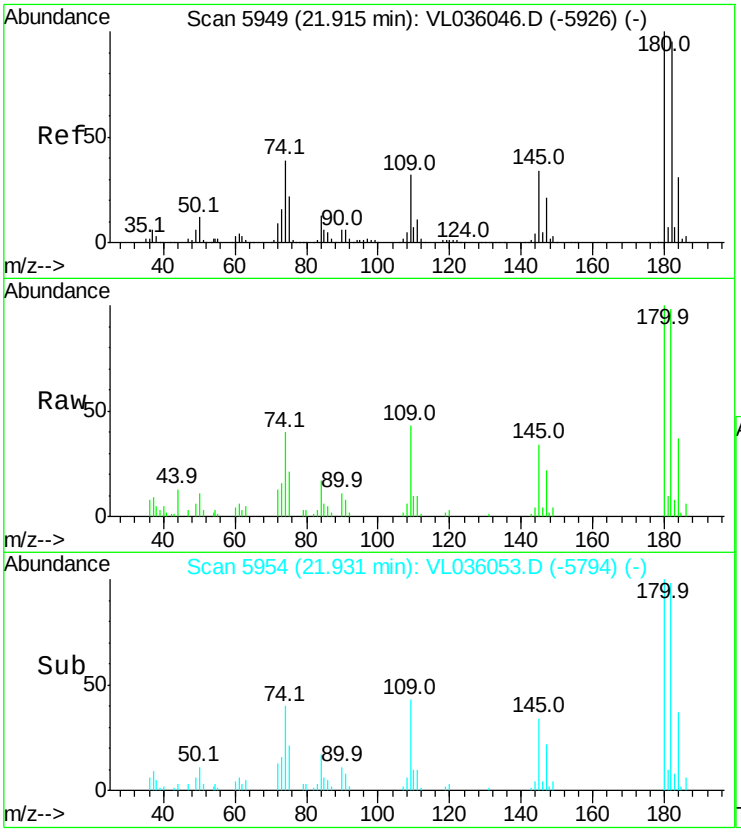


#80
Naphthalene,2-methyl-
Concen: 0.169 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.05 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:142 Resp: 5943

Ion	Ratio	Lower	Upper
142	100		
141	58.1	68.6	103.0#
115	9.9	27.9	41.9#





#81
1,2,4-Trichlorobenzene
Concen: 0.149 ppbv
RT: 21.93 min Scan# 5954
Delta R.T. 0.02 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:180 Resp: 18216

Ion	Ratio	Lower	Upper
180	100		
182	0.0	78.5	117.7#
184	74.8	25.0	37.6#