Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030920\

Quantitation Report (Not Reviewed)

Data File : VL034844.D
Acq On : 9 Mar 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: Mar 09 15:38:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	925375	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2132118	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2105955	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	1687867	9.61	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	88180	0.584	ppbv		100
3) Chlorodifluoromethane	2.94	51	57104	0.542	ppbv		99
4) Chloromethane	3.10	50	29454	0.519	ppbv		91
5) Vinyl Chloride	3.22	62	28247	0.471	ppbv	#	87
6) Bromomethane	3.44	94	17204	0.525	ppbv		84
7) Chloroethane	3.52	64	10395	0.501	ppbv		100
8) Dichlorotetrafluoroethane	3.15	85	72609	0.553	ppbv		99
9) Propene	2.97	41	27971	0.674	ppbv		92
10) Heptane	8.13	43	59687	0.566	ppbv		96
11) Trichlorofluoromethane	3.92	101	73792	0.546	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	53558	0.574	ppbv		96
13) Ethanol	3.58	45	9050	0.637	ppbv		74
14) Bromoethene	3.70	108	20669	0.540	ppbv		91
15) Acetone	3.84	43	65038	0.587	ppbv		93
16) 1,3-Butadiene	3.29	39	14927	0.298	ppbv	#	26
17) tert-Butyl alcohol	4.29	59	70140	0.803	ppbv		100
18) 1,1-Dichloroethene	4.26	96	21031	0.511	ppbv		96
19) Isopropyl Alcohol	3.95	45	46101	0.694	ppbv	#	40
20) Methylene Chloride	4.32	84	22224	0.562	ppbv	#	84
21) Allyl Chloride	4.38	41	41532	0.592	ppbv		98
22) trans-1,2-Dichloroethene	4.86	96	22670	0.565	ppbv		89
23) Vinyl Acetate	5.06	43	90255	0.607	ppbv	#	96
24) 1,1-Dichloroethane	4.99	63	62986	0.546	ppbv	#	96
25) Ethyl Acetate	5.67	43	113045	0.590	ppbv		98
26) Hexane	5.68	57	27472	0.328	ppbv	#	1
27) Carbon Disulfide	4.53	76	49878	0.510	ppbv	#	81
28) Methyl tert-Butyl Ether	5.02	73	76366	0.613	ppbv		99
29) Chloroform	5.74	83	75197	0.534	ppbv		90
30) Cyclohexane	7.13	84	23912	0.374	ppbv	#	30
31) cis-1,2-Dichloroethene	5.54	61	47519	0.554	ppbv		99
32) 1,1,1-Trichloroethane	6.51	97	34367	0.247	ppbv	#	8
34) 2-Butanone	5.24	43	73698	0.531	ppbv		99
35) Carbon Tetrachloride	7.01	117	70977	0.441	ppbv		87
36) Benzene	6.89	78	99728	0.547	ppbv		97
37) 1,2-Dichloroethane	6.30	62	55706	0.448	ppbv		97
38) Trichloroethene	7.84	130	38488	0.542	ppbv		90
39) 1,2-Dichloropropane	7.62	63	21552	0.293	ppbv		91
41) Tetrahydrofuran	6.06	42	36334	0.513	ppbv		95
42) Bromodichloromethane	7.80	83	71054	0.451	ppbv		93
43) Methyl Methacrylate	8.02	69	40321	0.522	ppbv		99
44) 2,2,4-Trimethylpentane	7.87	57	166470	0.523	ppbv		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030920\

Quantitation Report (Not Reviewed)

Data File : VL034844.D
Acq On : 9 Mar 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: Mar 09 15:38:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	42349	0.523	ppbv		96
46) cis-1,3-Dichloropropene	8.72	75	26902	0.272	ppbv		88
47) 1,1,2-Trichloroethane	9.49	97	37684	0.485	ppbv		94
48) Dibromochloromethane	10.32	129	58551	0.482	ppbv		99
49) Bromoform	13.07	173	32156	0.304	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.77	43	101965	0.513	ppbv		99
51) 2-Hexanone	10.17	43	75266	0.483	ppbv	#	97
52) Tetrachloroethene	11.25	164	14340	0.213	ppbv		92
53) Toluene	9.82	91	111391	0.578	ppbv		98
54) 1,2-Dibromoethane	10.63	107	57512	0.501	ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.15	131	50674	0.543	ppbv	#	1
57) Chlorobenzene	12.17	112	92660	0.576	ppbv	#	90
58) Ethyl Benzene	12.74	91	152460	0.587	ppbv		89
59) m/p-Xylene	13.02	91	145180	0.646	ppbv	#	30
60) o-Xylene	13.72	91	126961	0.559	ppbv		97
61) Styrene	13.56	104	35371	0.251	ppbv	#	3
62) Isopropylbenzene	14.70	105	192625	0.576	ppbv		96
63) 1,1,2,2-Tetrachloroethane	13.71	83	79006	0.441	ppbv		92
64) n-propylbenzene	15.60	120	49209	0.587	ppbv		92
65) tert-Butylbenzene	16.78	119	109422	0.387	ppbv	#	61
66) Benzyl Chloride	17.03	91	28045	0.307	ppbv	#	64
67) sec-Butylbenzene	17.33	105	215685	0.524	ppbv		100
69) p-Isopropyltoluene	17.69	119	78339	0.235	ppbv	#	47
70) n-Butylbenzene	18.59	91	186556	0.512	ppbv		95
71) 2-Chlorotoluene	15.49	91	141709	0.561	ppbv		98
72) 4-Ethyltoluene	15.88	105	69872	0.276	ppbv	#	55
73) 1,3,5-Trimethylbenzene	16.03	105	128302	0.529	ppbv		88
74) 1,2,4-Trimethylbenzene	16.80	105	60445	0.229	ppbv		93
75) 1,3-Dichlorobenzene	17.03	146	55189	0.353	ppbv	#	56
76) 1,4-Dichlorobenzene	17.18	146	81686	0.546	ppbv		97
77) 1,2-Dichlorobenzene	17.87	146	26740	0.179	ppbv	#	23
78) Hexachloro-1,3-Butadiene	23.42	225	15332	0.123	ppbv	#	1
79) Naphthalene	22.25	128	17744	0.089	ppbv		97
80) Naphthalene,2-methyl-	25.02	142	7203	0.152	ppbv	#	77
81) 1,2,4-Trichlorobenzene	21.98	180	28807	0.230	ppbv	#	12

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

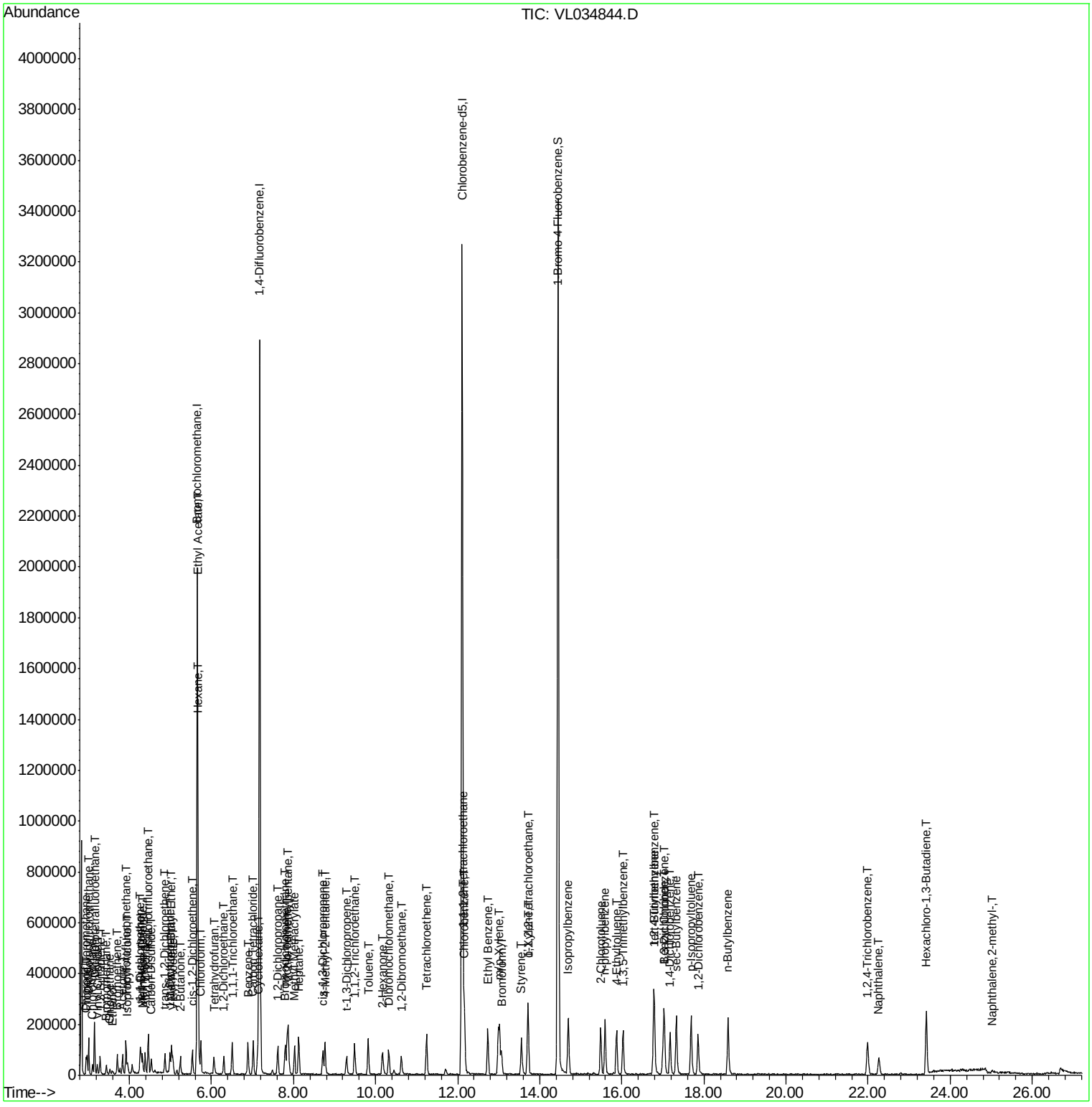
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030920\

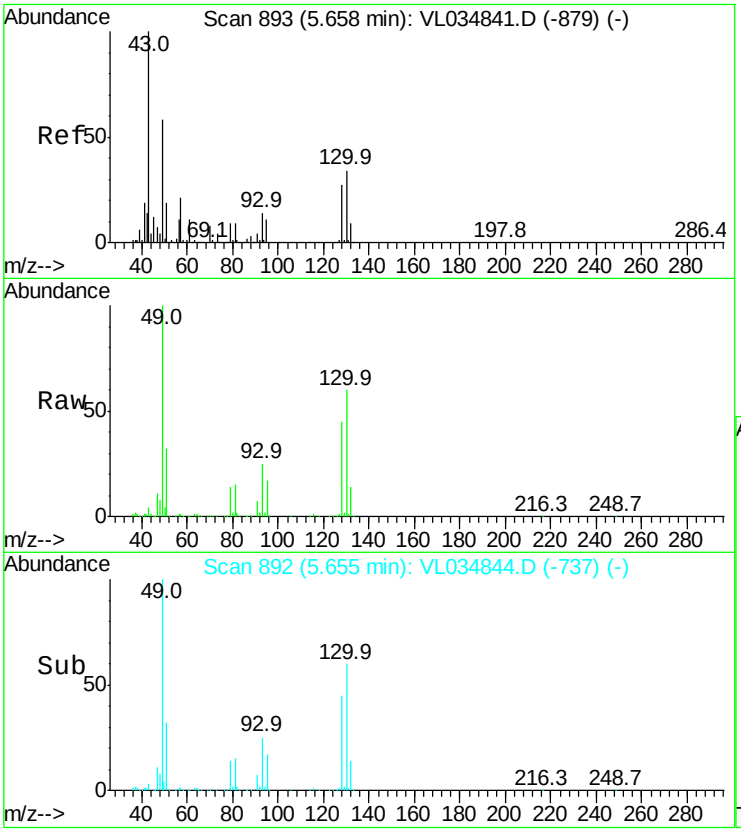
Quantitation Report (Not Reviewed)

Data File : VL034844.D
Acq On : 9 Mar 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: Mar 09 15:38:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration



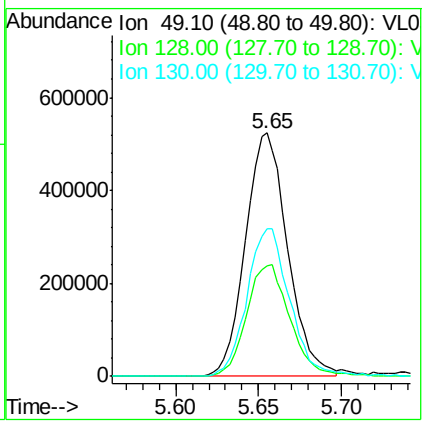


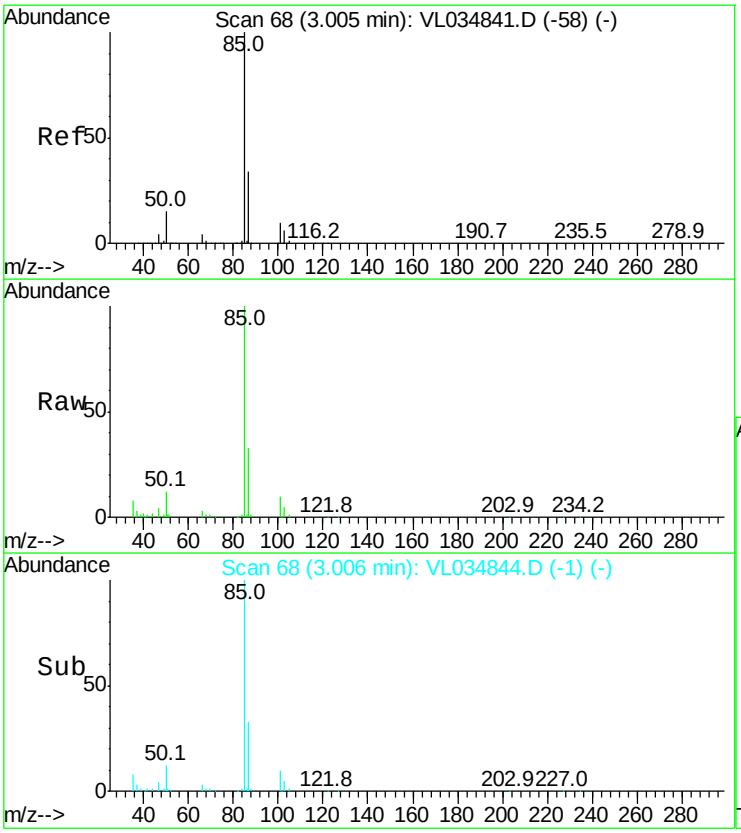
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 925375

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.4	70.3
130	62.1	30.0	90.0

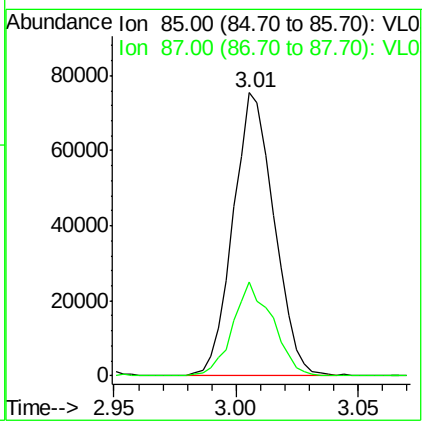


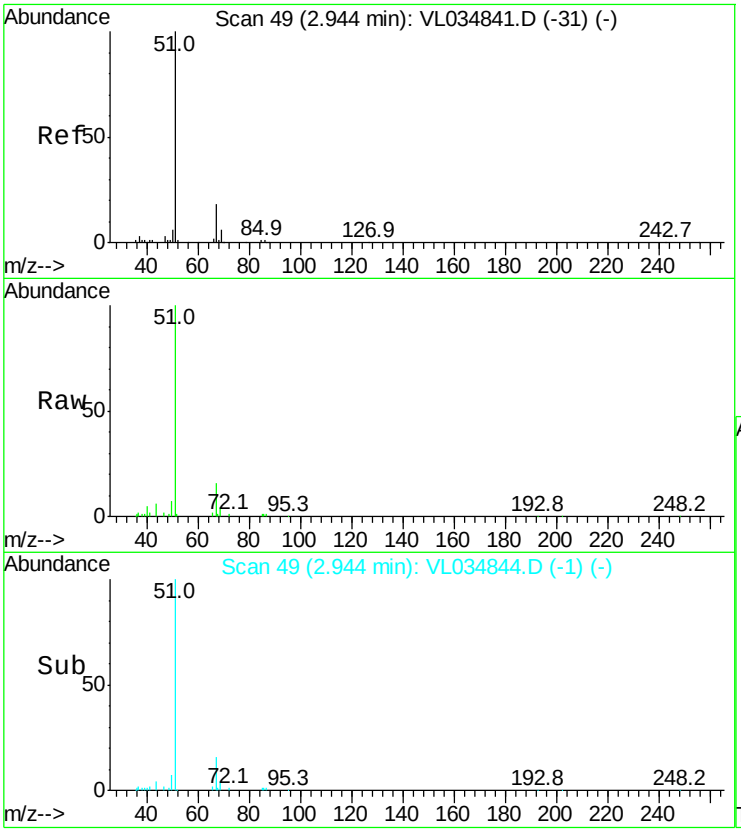


#2
Dichlorodifluoromethane
Concen: 0.584 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 85 Resp: 88180

Ion	Ratio	Lower	Upper
85	100		
87	33.3	26.9	40.3



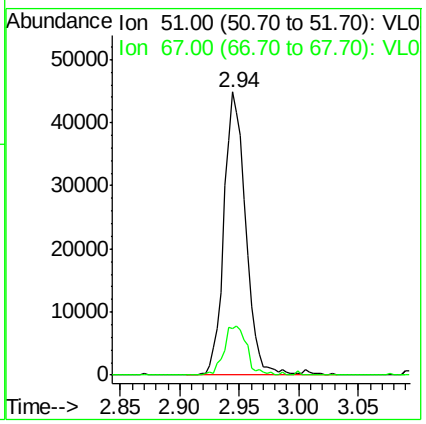


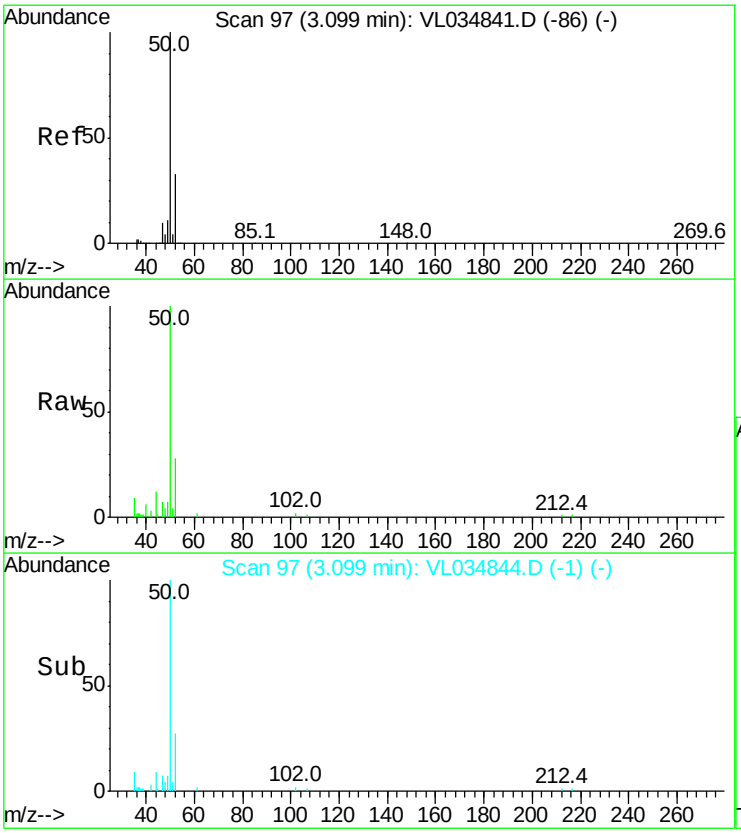
#3
Chlorodifluoromethane
Concen: 0.542 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 57104

Ion	Ratio	Lower	Upper
51	100		
67	18.2	14.3	21.5

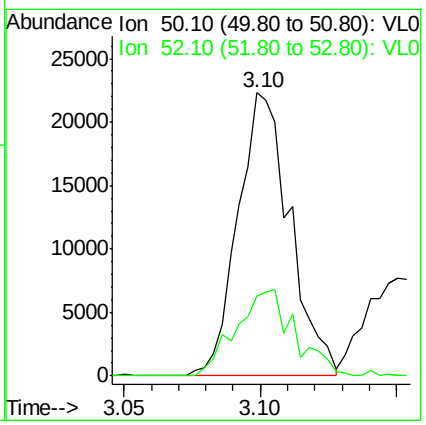


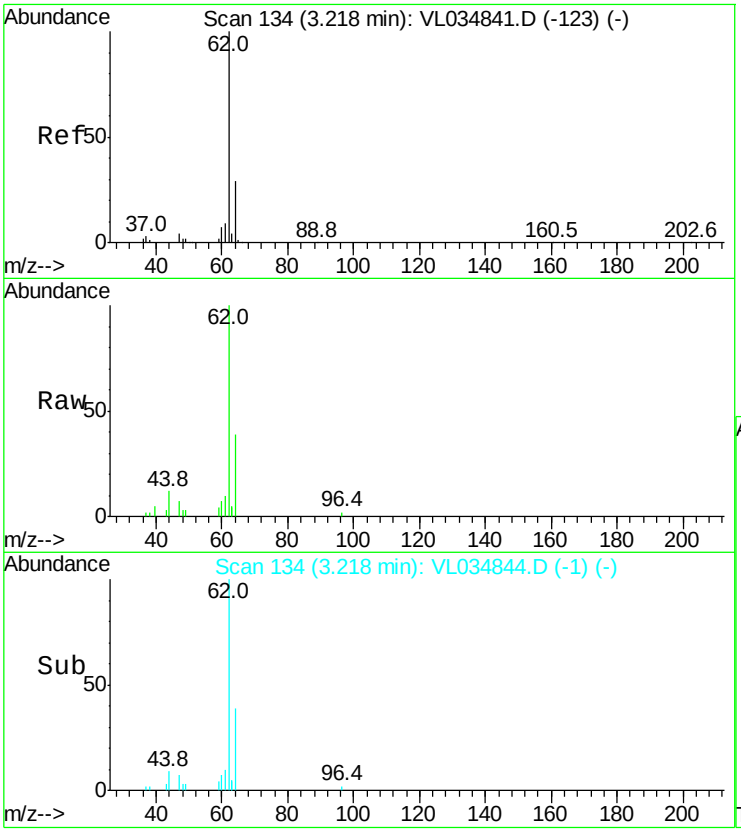


#4
Chloromethane
Concen: 0.519 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 50 Resp: 29454

Ion	Ratio	Lower	Upper
50	100		
52	28.2	26.8	40.2



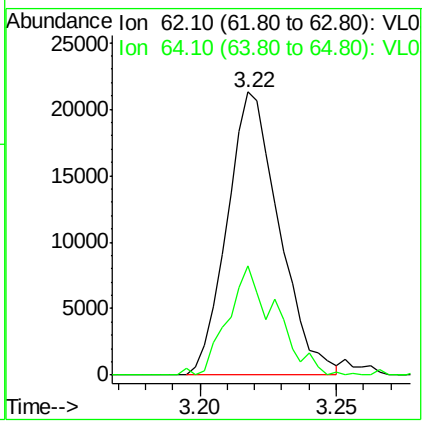


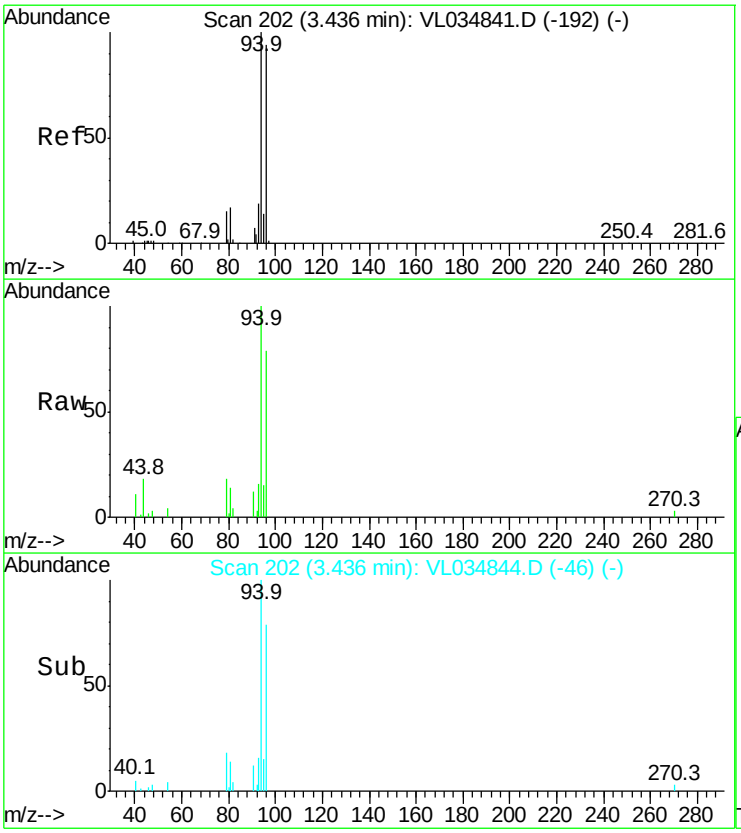
#5
Vinyl Chloride
Concen: 0.471 ppbv
RT: 3.22 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 28247

Ion	Ratio	Lower	Upper
62	100		
64	35.9	23.0	34.4#

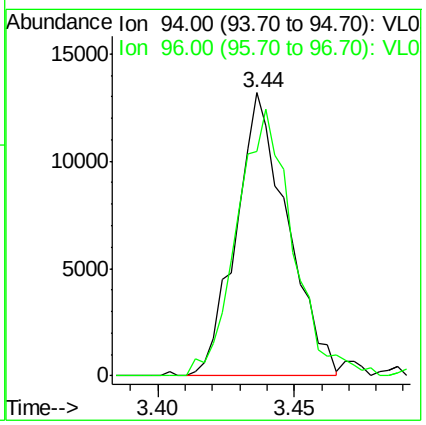


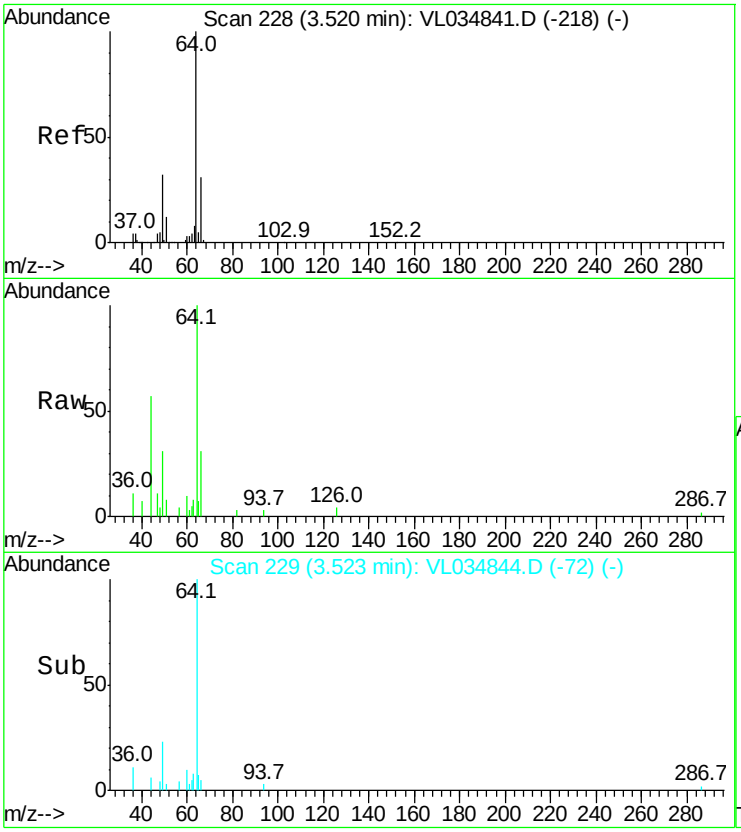


#6
Bromomethane
Concen: 0.525 ppbv
RT: 3.44 min Scan# 202
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 94 Resp: 17204

Ion	Ratio	Lower	Upper
94	100		
96	79.1	75.5	113.3



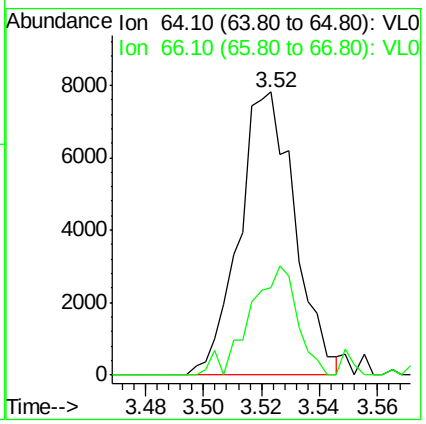


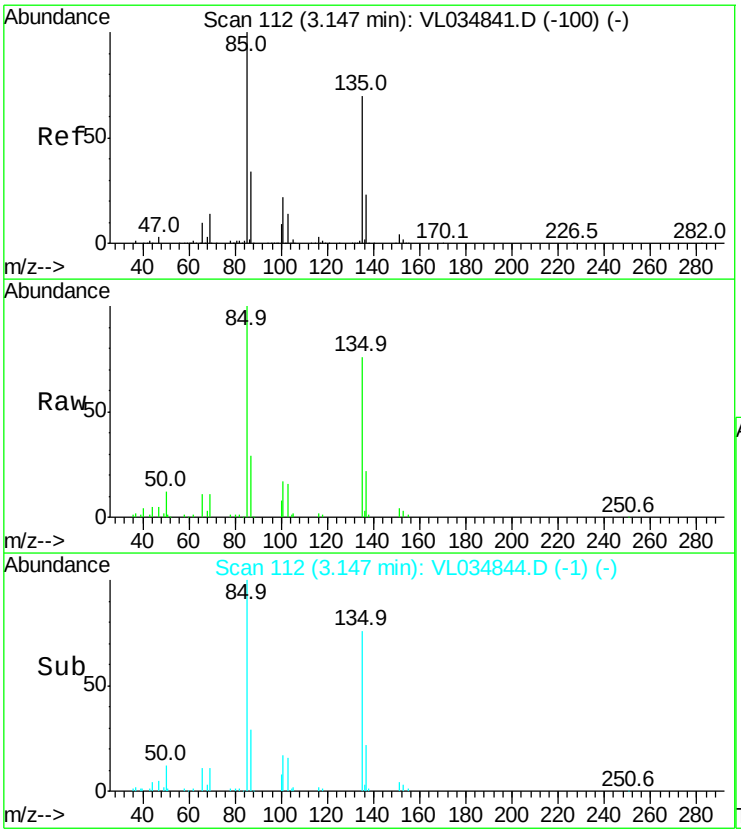
#7
Chloroethane
Concen: 0.501 ppbv
RT: 3.52 min Scan# 229
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 10395

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.8	37.2

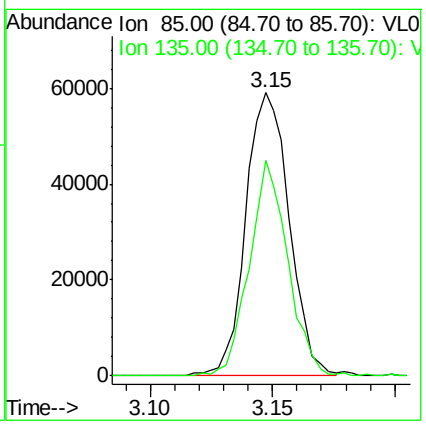


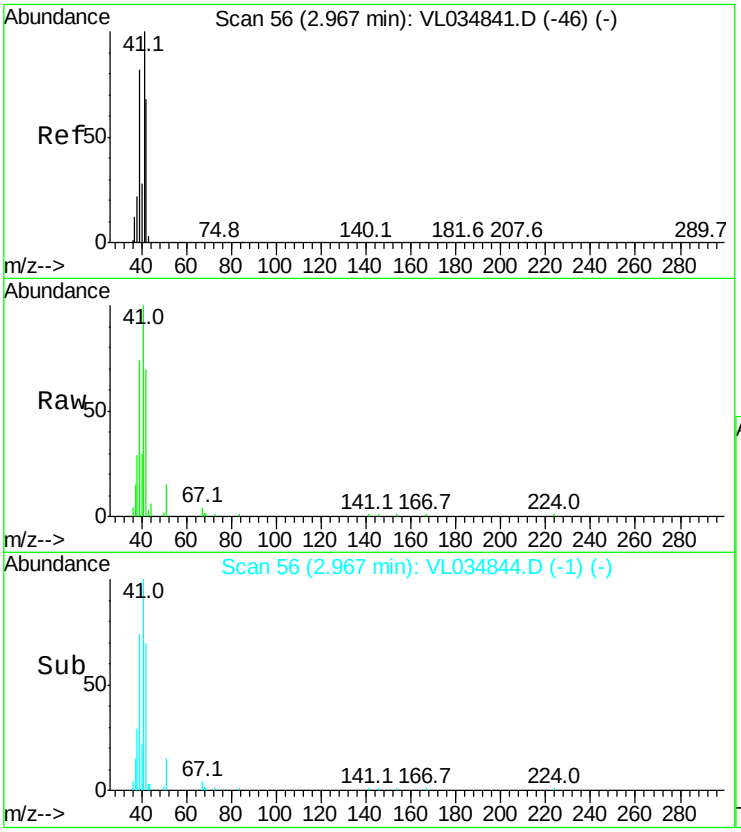


#8
Dichlorotetrafluoroethane
Concen: 0.553 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 85 Resp: 72609

Ion	Ratio	Lower	Upper
85	100		
135	67.5	54.3	81.5



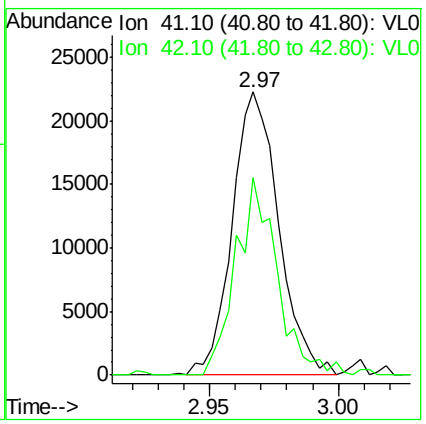


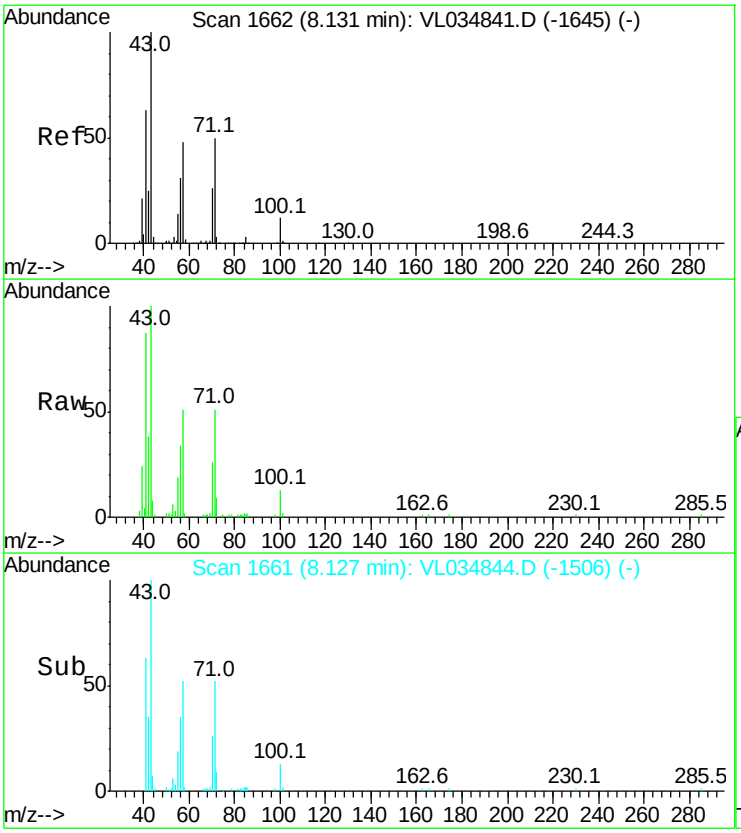
#9
Propene
Concen: 0.674 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 27971

Ion	Ratio	Lower	Upper
41	100		
42	62.7	55.2	82.8

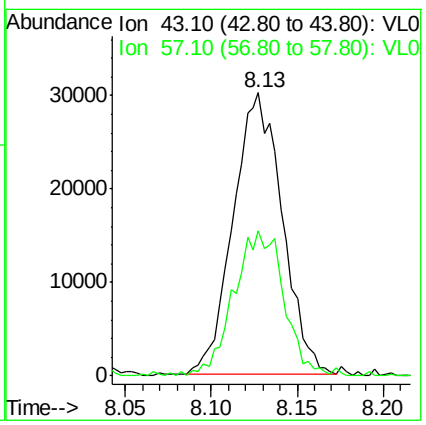


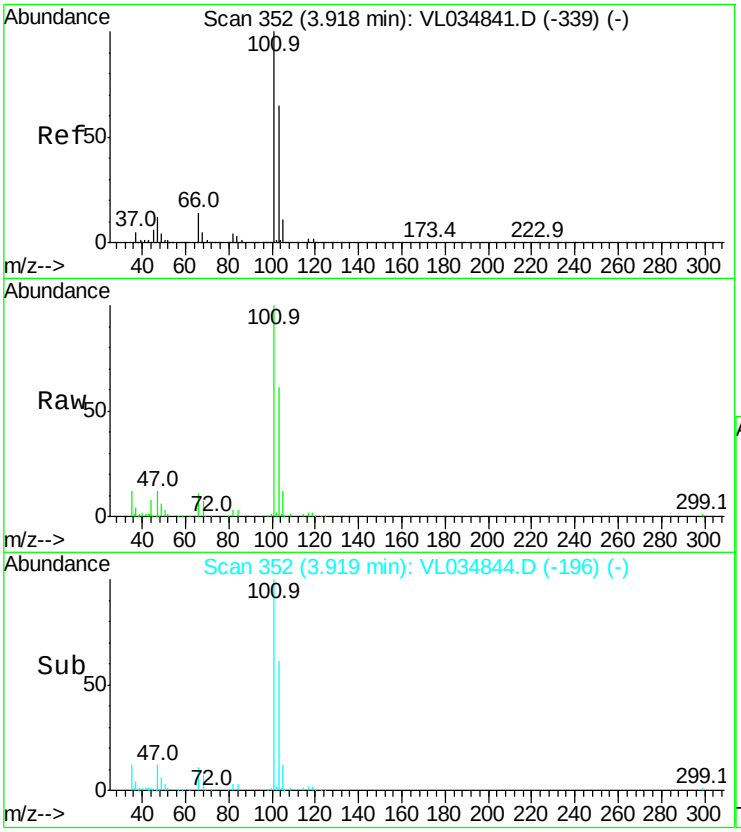


#10
Heptane
Concen: 0.566 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 43 Resp: 59687

Ion	Ratio	Lower	Upper
43	100		
57	52.6	39.7	59.5



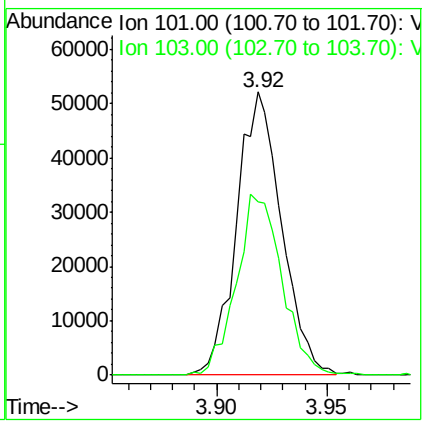


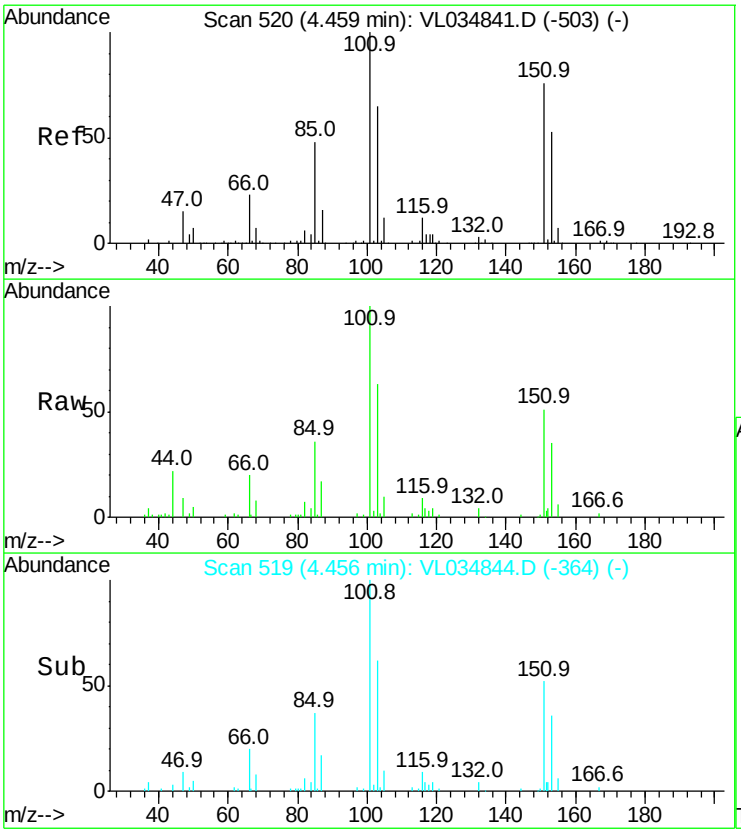
#11
Trichlorofluoromethane
Concen: 0.546 ppbv
RT: 3.92 min Scan# 352
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 73792

Ion	Ratio	Lower	Upper
101	100		
103	61.4	51.8	77.8

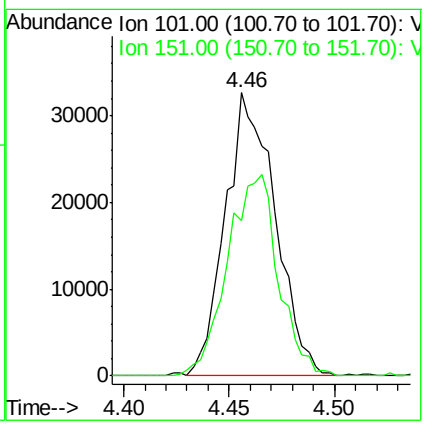


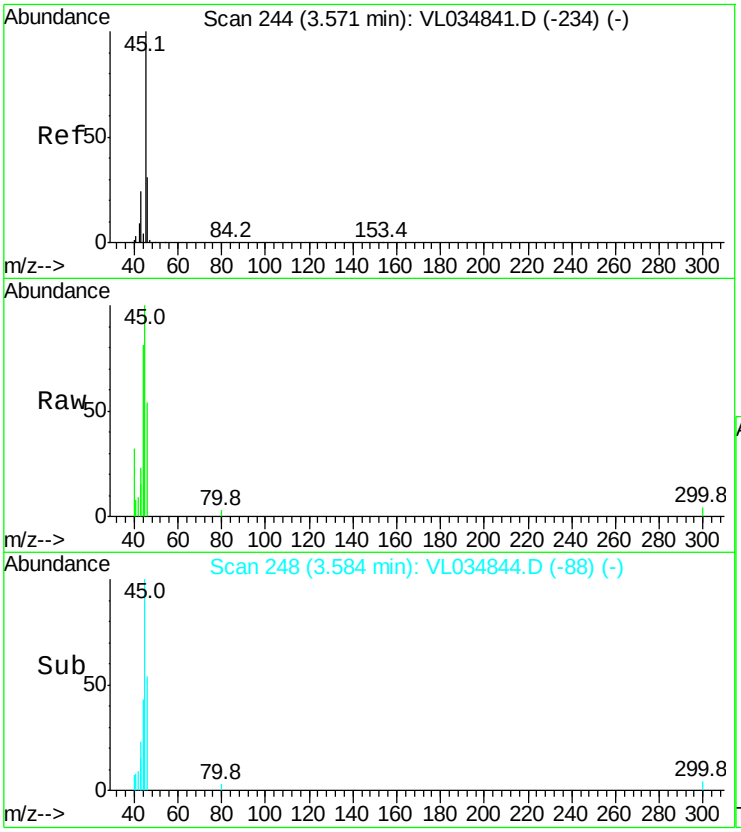


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.574 ppbv
RT: 4.46 min Scan# 519
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:101 Resp: 53558

Ion	Ratio	Lower	Upper
101	100		
151	72.4	60.8	91.2



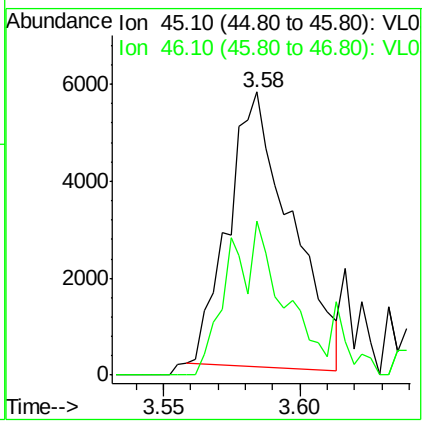


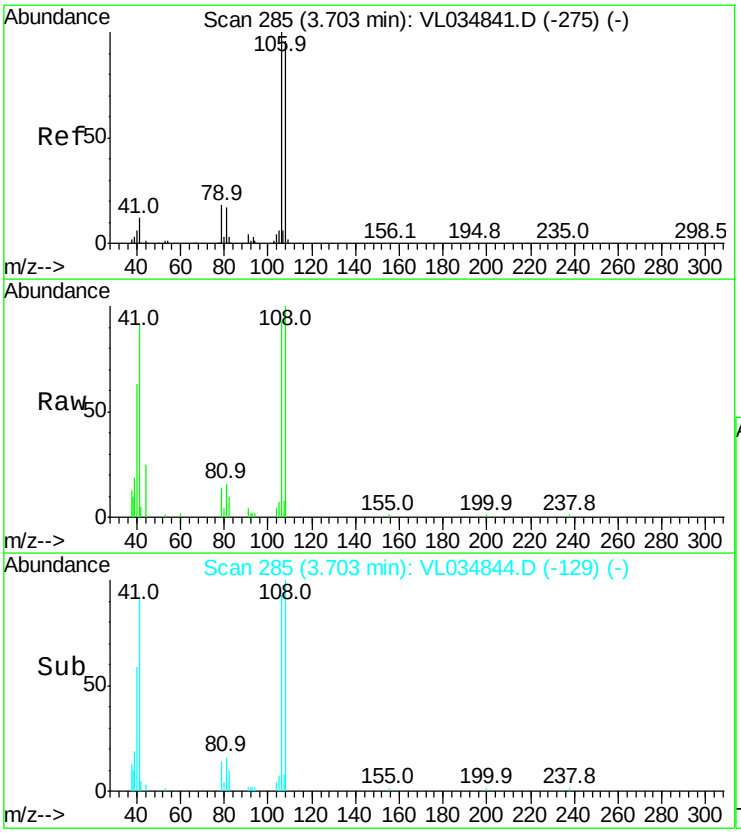
#13
Ethanol
Concen: 0.637 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 45 Resp: 9050

Ion	Ratio	Lower	Upper
45	100		
46	56.3	16.0	64.0

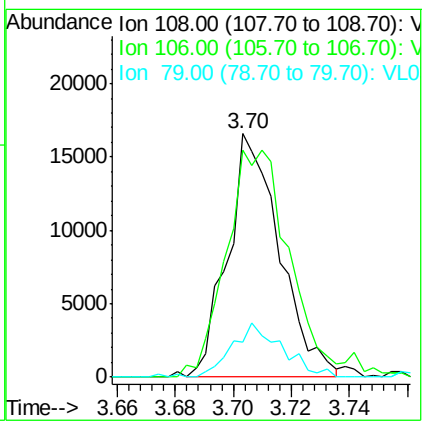


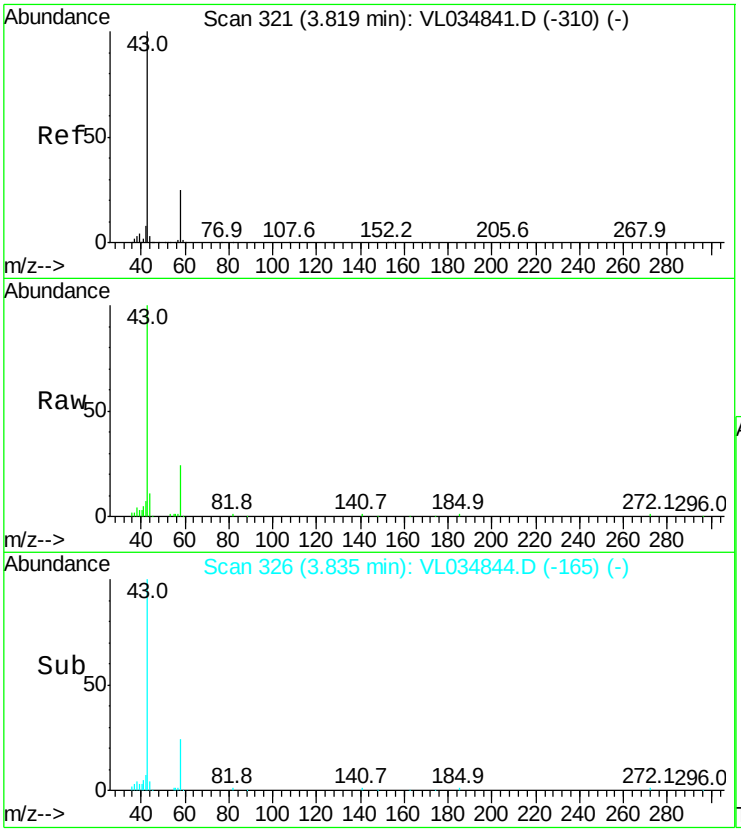


#14
Bromoethene
Concen: 0.540 ppbv
RT: 3.70 min Scan# 285
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:108 Resp: 20669

Ion	Ratio	Lower	Upper
108	100		
106	115.7	85.1	127.7
79	21.7	14.7	22.1



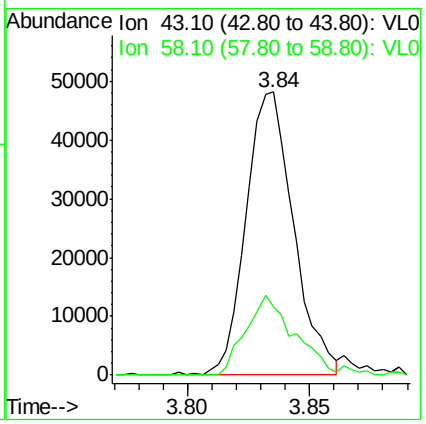


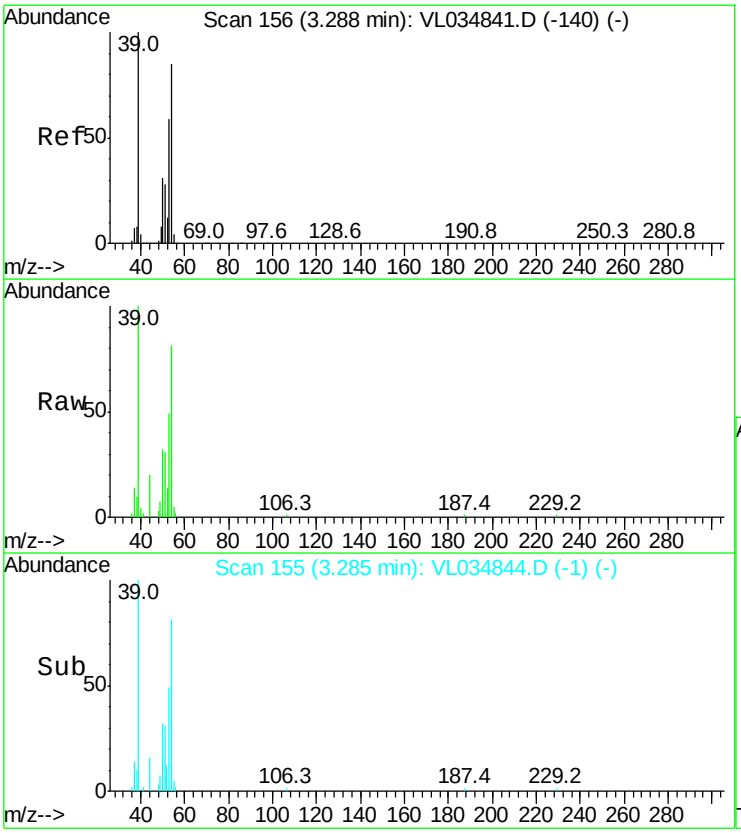
#15
Acetone
Concen: 0.587 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.02 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 65038

Ion	Ratio	Lower	Upper
43	100		
58	30.1	21.0	31.6

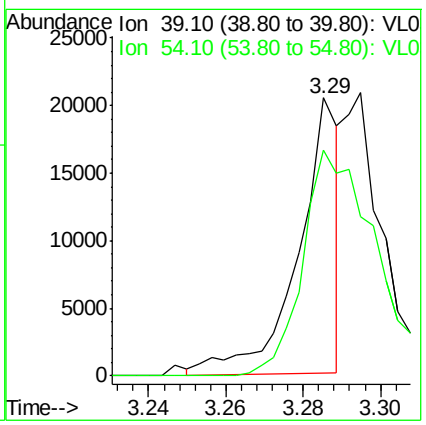


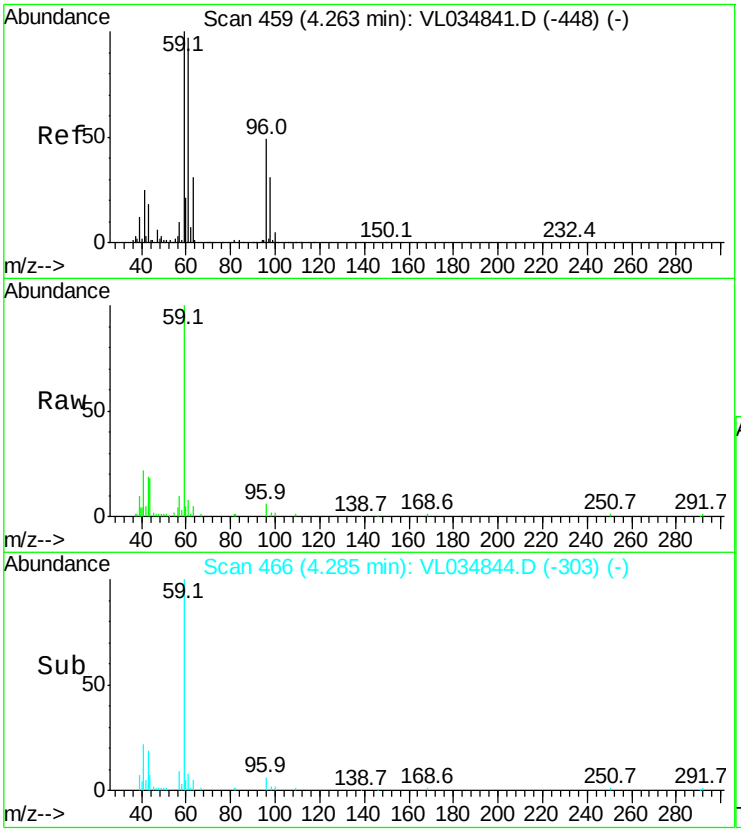


#16
1,3-Butadiene
Concen: 0.298 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 39 Resp: 14927

Ion	Ratio	Lower	Upper
39	100		
54	147.3	65.0	97.6#



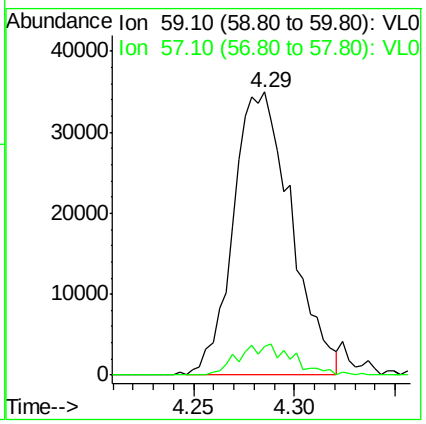


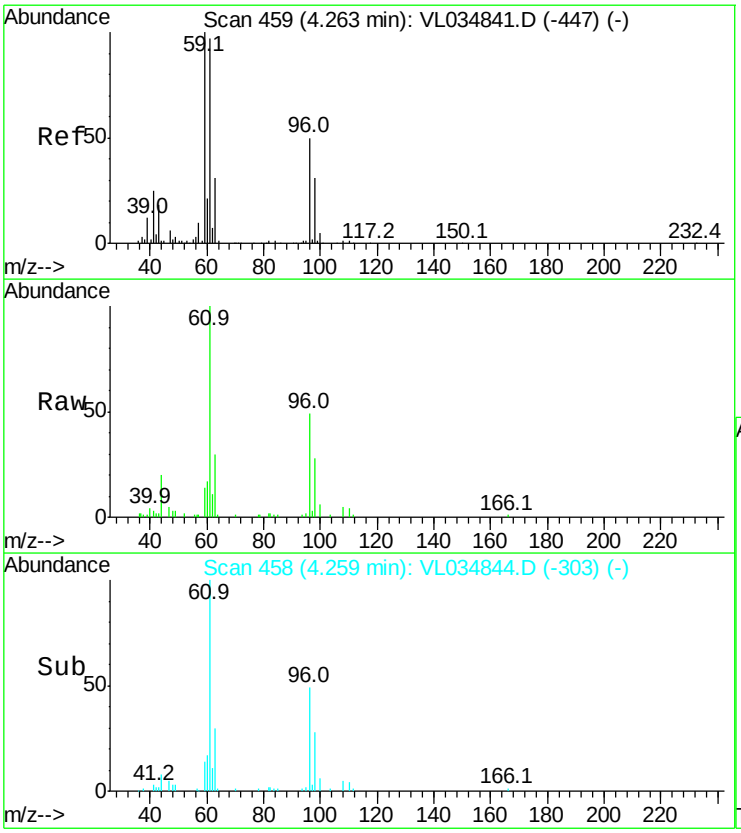
#17
tert-Butyl alcohol
Concen: 0.803 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 70140

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

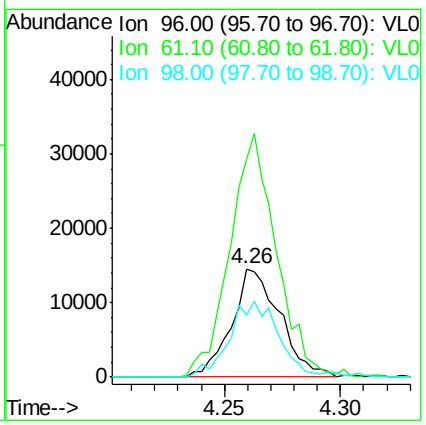


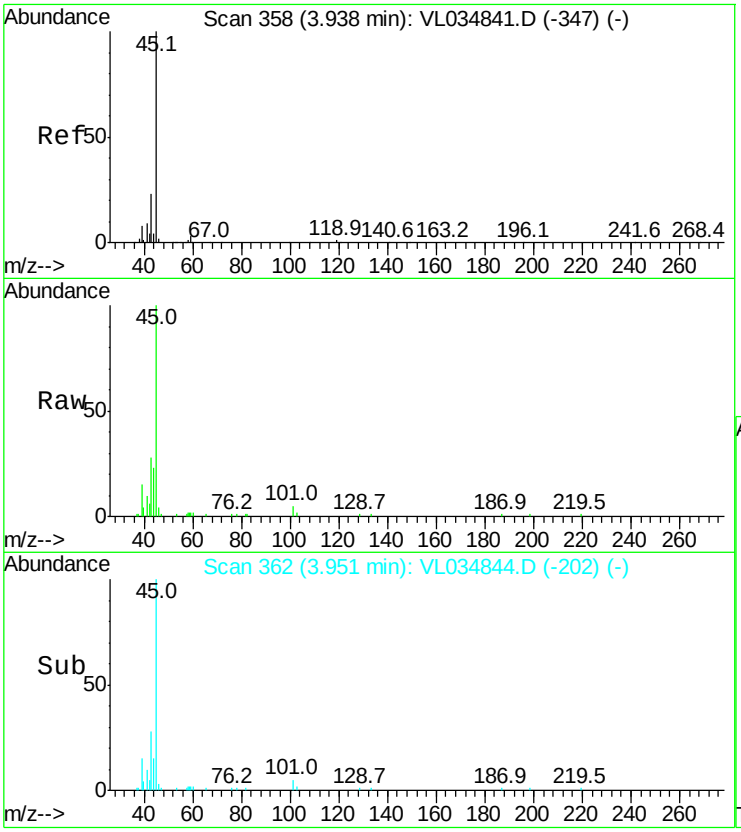


#18
1,1-Dichloroethene
Concen: 0.511 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 96 Resp: 21031

Ion	Ratio	Lower	Upper
96	100		
61	200.3	157.3	235.9
98	57.2	50.2	75.4



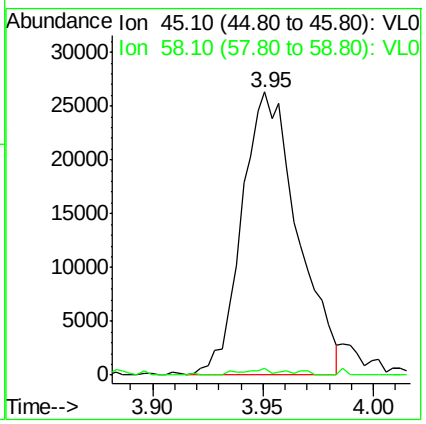


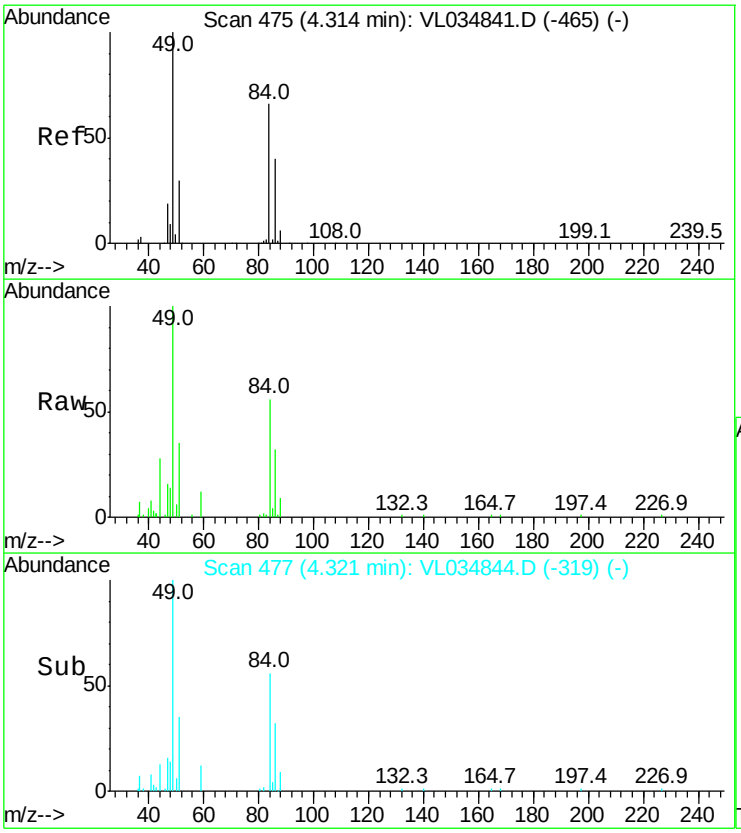
#19
Isopropyl Alcohol
Concen: 0.694 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 46101

Ion	Ratio	Lower	Upper
45	100		
58	1.8	30.5	45.7#

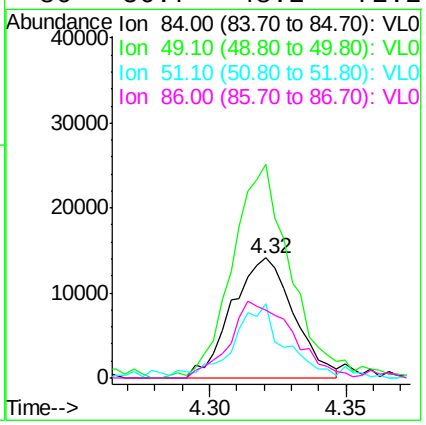


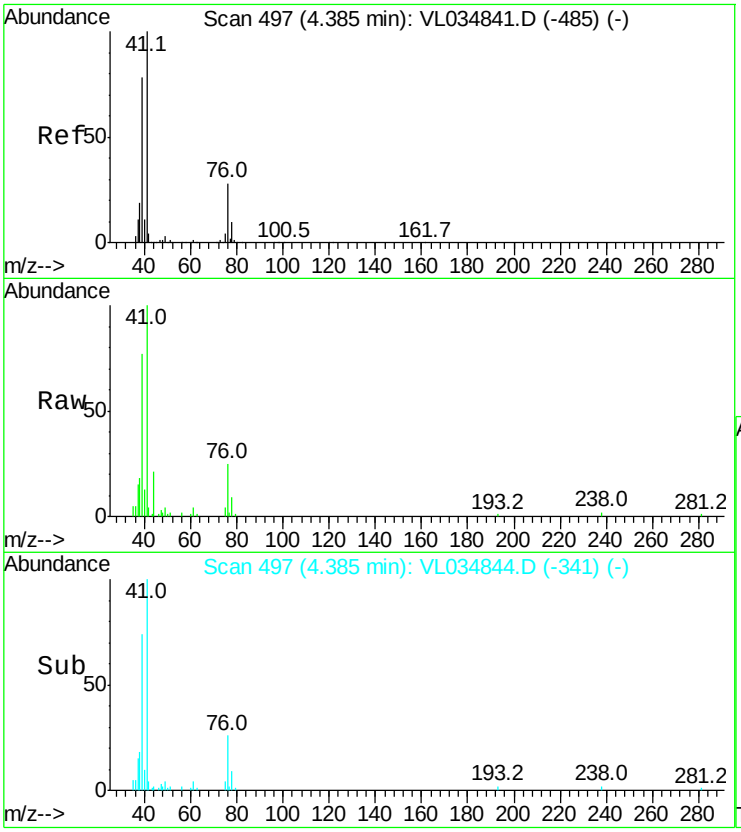


#20
Methylene Chloride
Concen: 0.562 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 84 Resp: 22224

Ion	Ratio	Lower	Upper
84	100		
49	176.6	121.5	182.3
51	60.0	36.6	55.0#
86	56.7	48.2	72.2



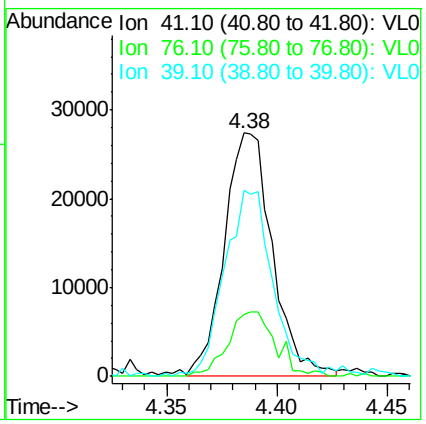


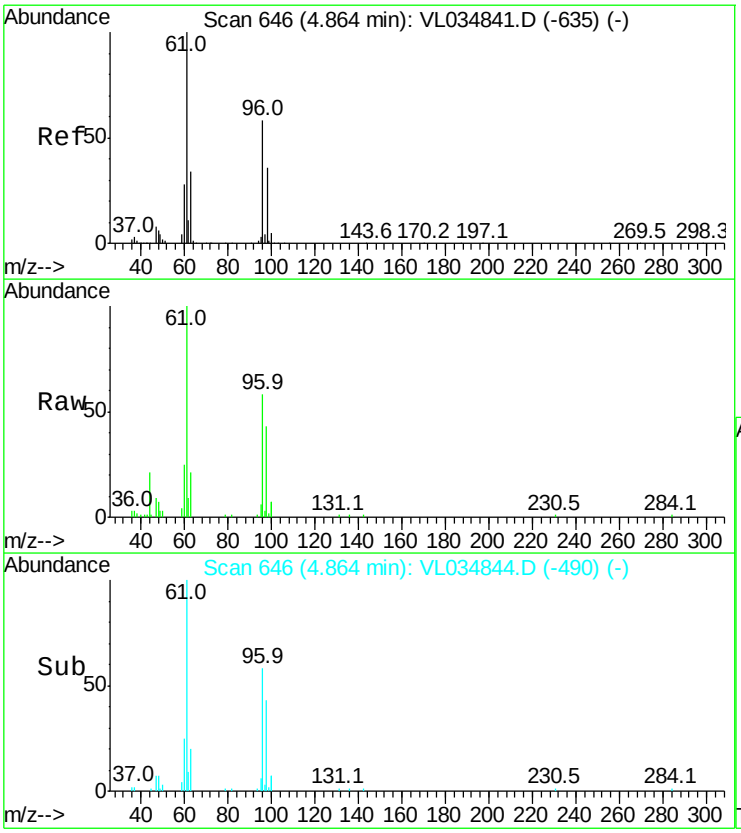
#21
Allyl Chloride
Concen: 0.592 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 41532

Ion	Ratio	Lower	Upper
41	100		
76	26.4	22.2	33.2
39	79.6	62.6	93.8

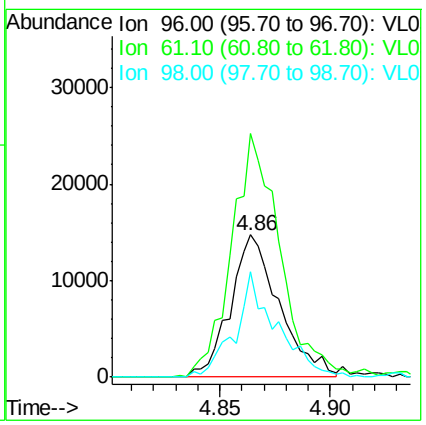


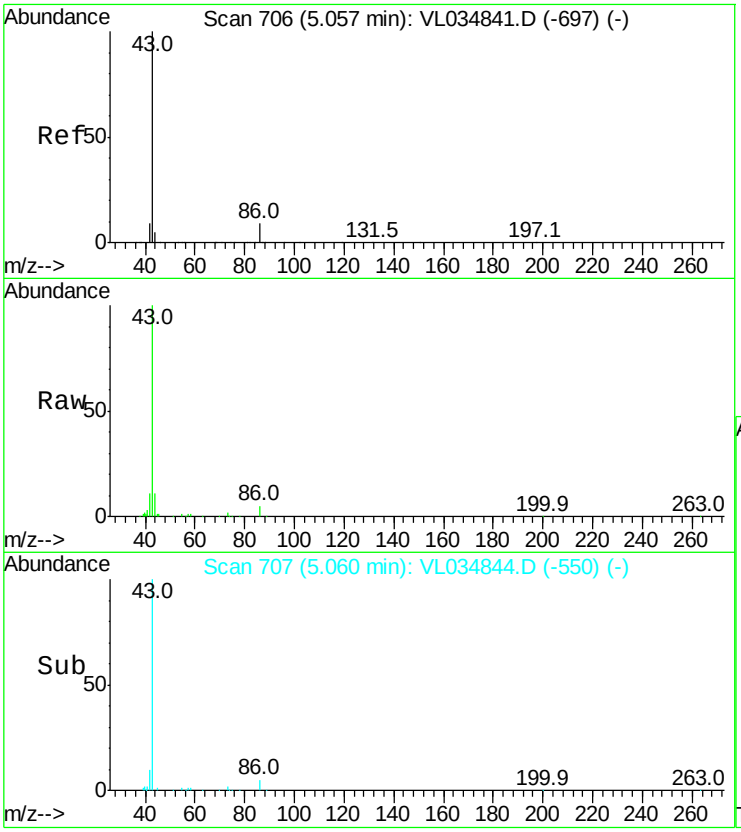


#22
trans-1,2-Dichloroethene
Concen: 0.565 ppbv
RT: 4.86 min Scan# 646
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 96 Resp: 22670

Ion	Ratio	Lower	Upper
96	100		
61	187.2	139.0	208.6
98	74.5	50.3	75.5



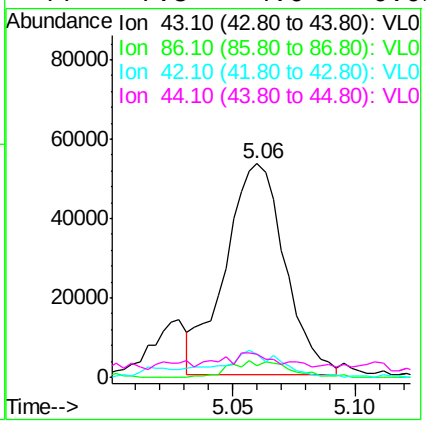


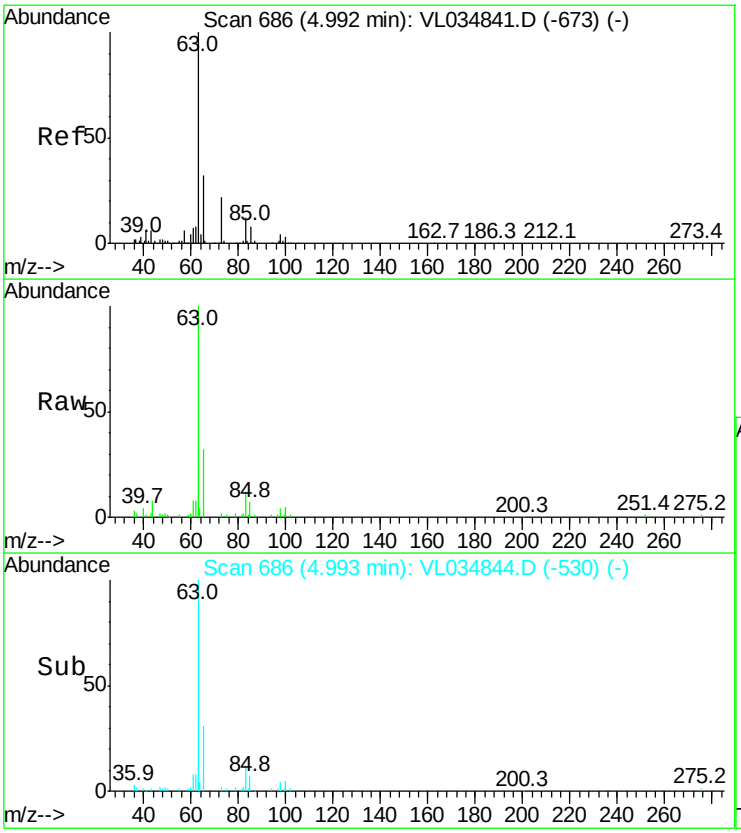
#23
Vinyl Acetate
Concen: 0.607 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 90255

Ion	Ratio	Lower	Upper
43	100		
86	5.7	6.3	9.5#
42	10.0	7.8	11.8
44	7.3	4.0	6.0#

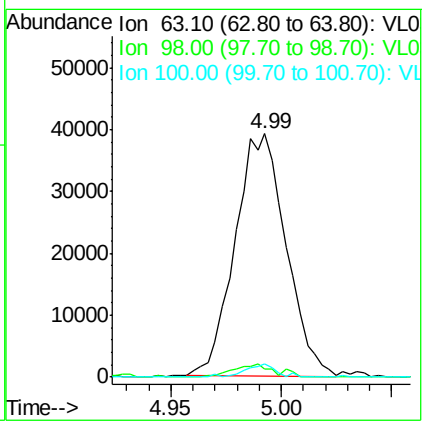


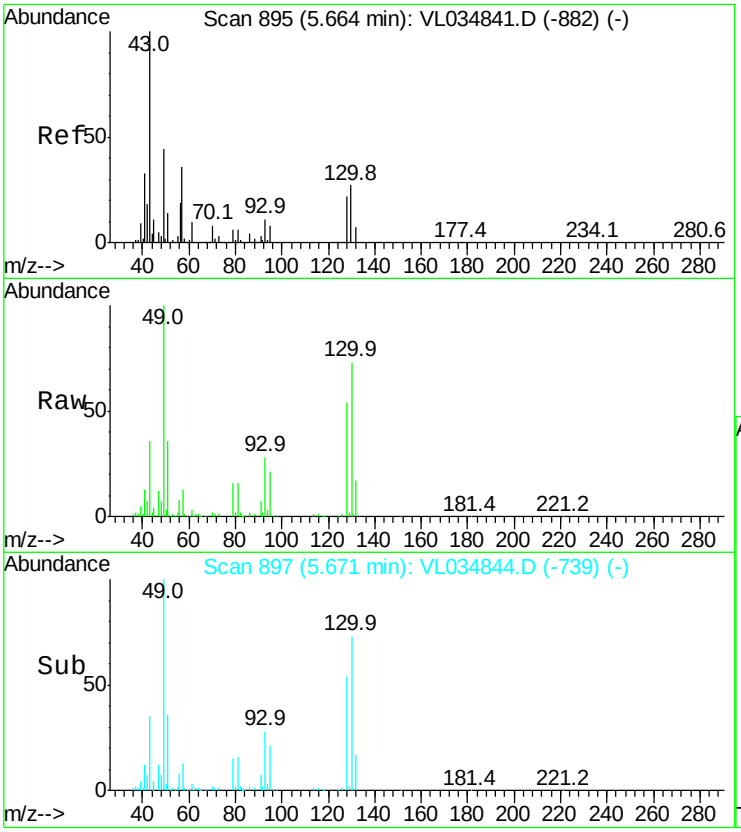


#24
1,1-Dichloroethane
Concen: 0.546 ppbv
RT: 4.99 min Scan# 686
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 63 Resp: 62986

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.0	5.8
100	5.1	1.4	4.0#



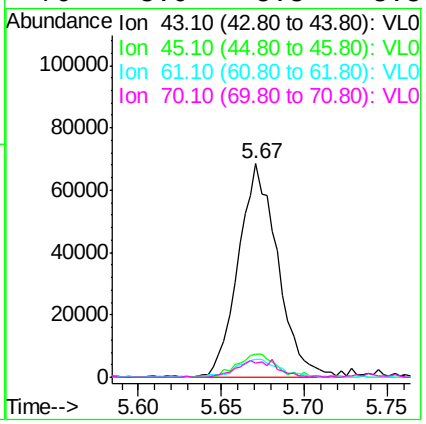


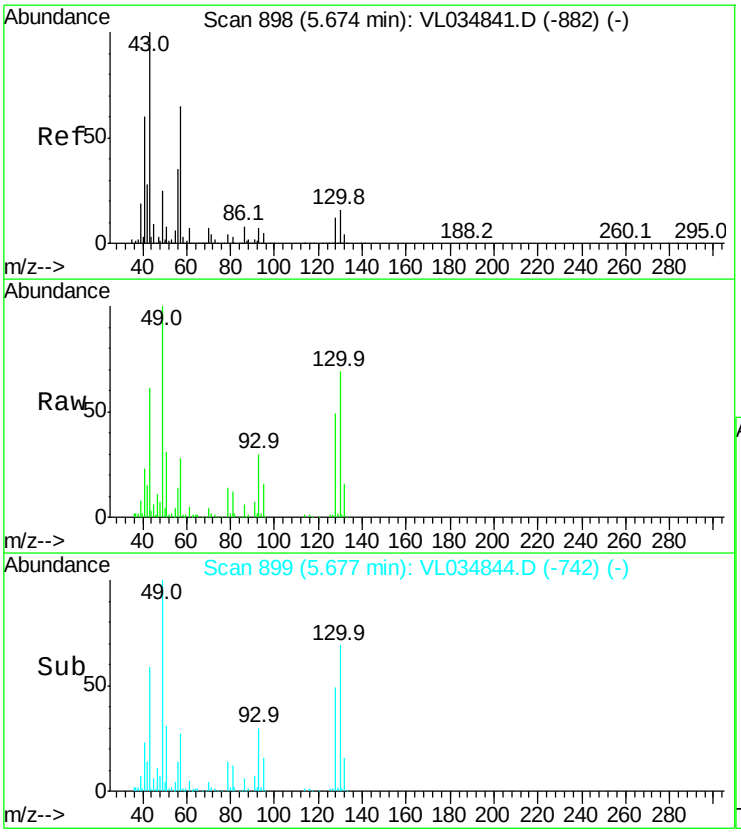
#25
Ethyl Acetate
Concen: 0.590 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 113045

Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.2	12.2
61	9.2	7.8	11.6
70	8.0	5.8	8.8

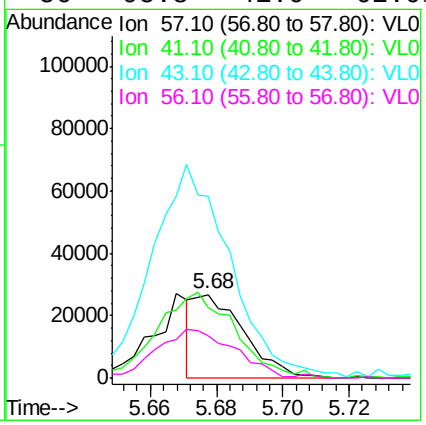


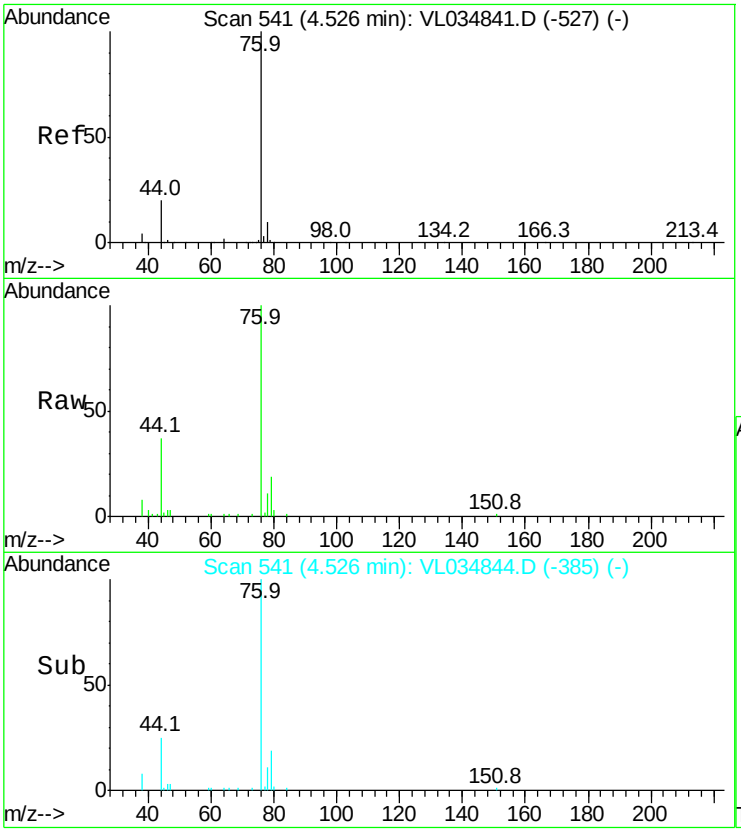


#26
Hexane
Concen: 0.328 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 57 Resp: 27472

Ion	Ratio	Lower	Upper
57	100		
41	168.5	72.6	109.0#
43	426.1	183.8	275.6#
56	95.8	41.9	62.9#



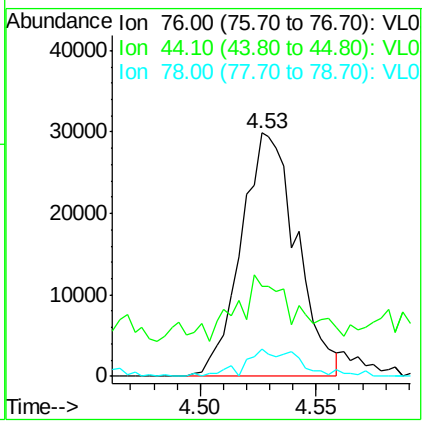


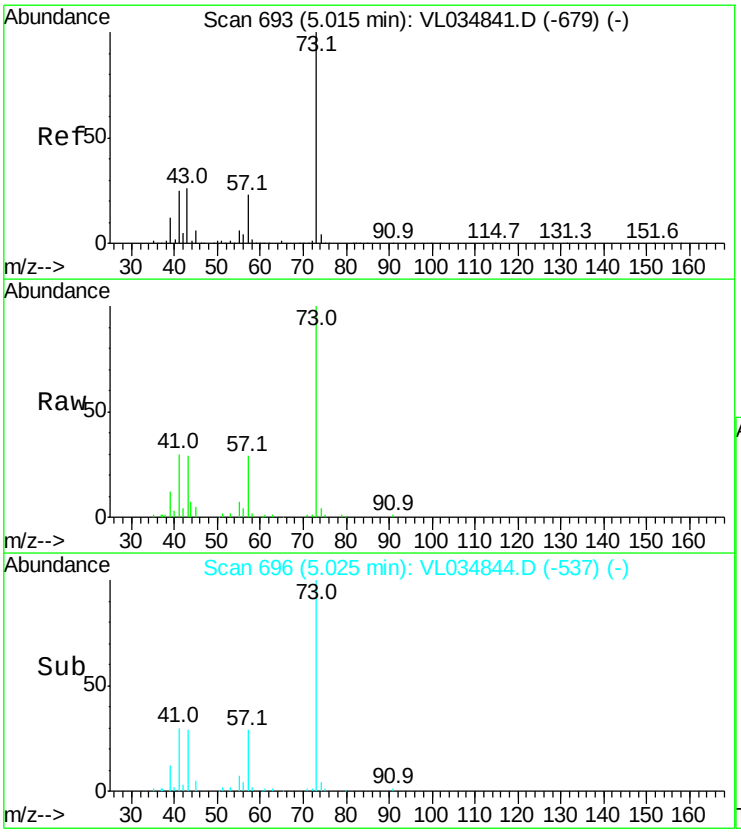
#27
Carbon Disulfide
Concen: 0.510 ppbv
RT: 4.53 min Scan# 541
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 49878

Ion	Ratio	Lower	Upper
76	100		
44	32.4	16.2	24.2#
78	11.4	7.8	11.6

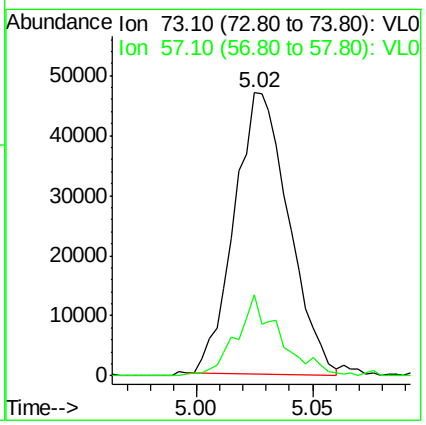


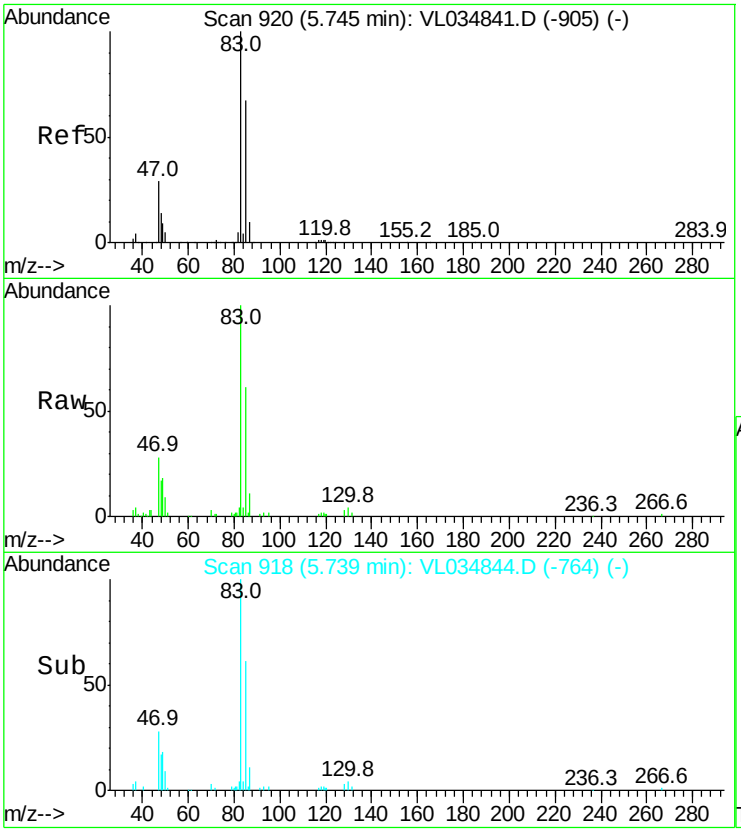


#28
Methyl tert-Butyl Ether
Concen: 0.613 ppbv
RT: 5.02 min Scan# 696
Delta R.T. 0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 73 Resp: 76366

Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.3	27.5



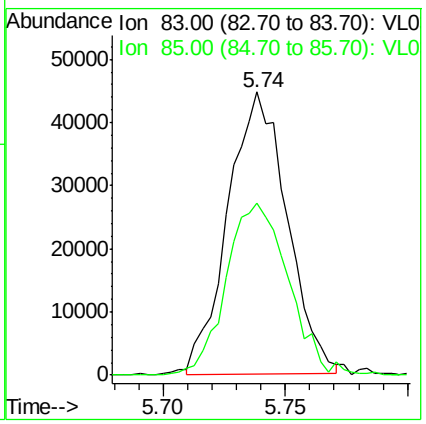


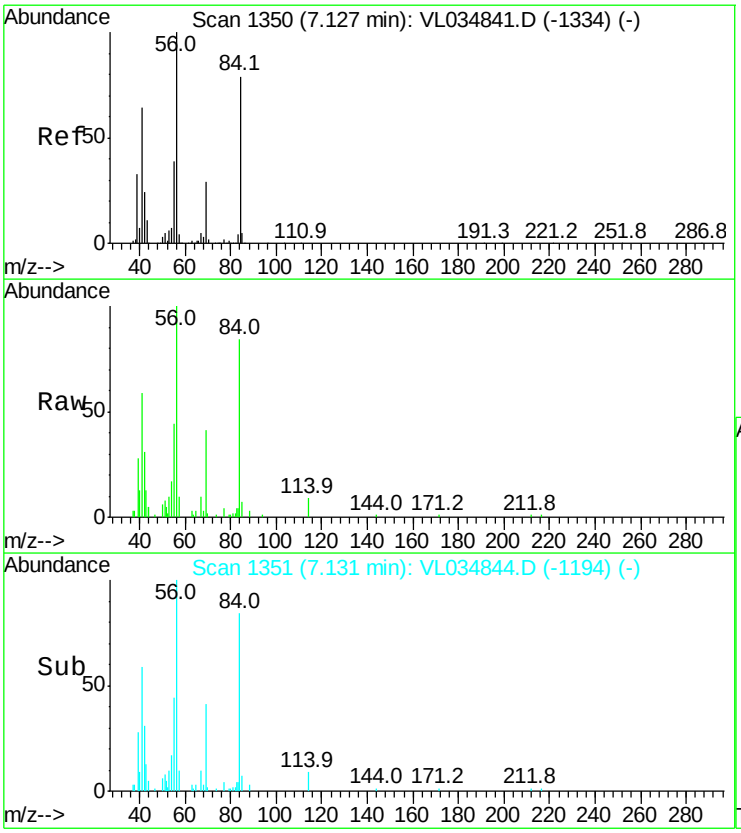
#29
Chloroform
Concen: 0.534 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 75197

Ion	Ratio	Lower	Upper
83	100		
85	59.4	53.8	80.6

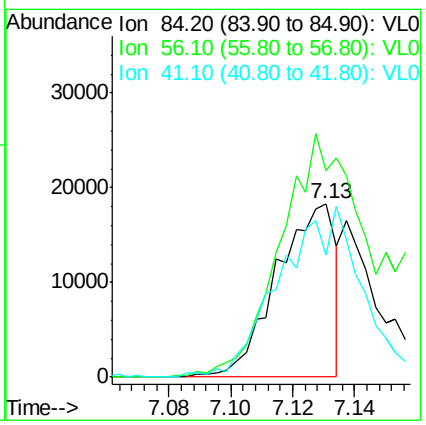


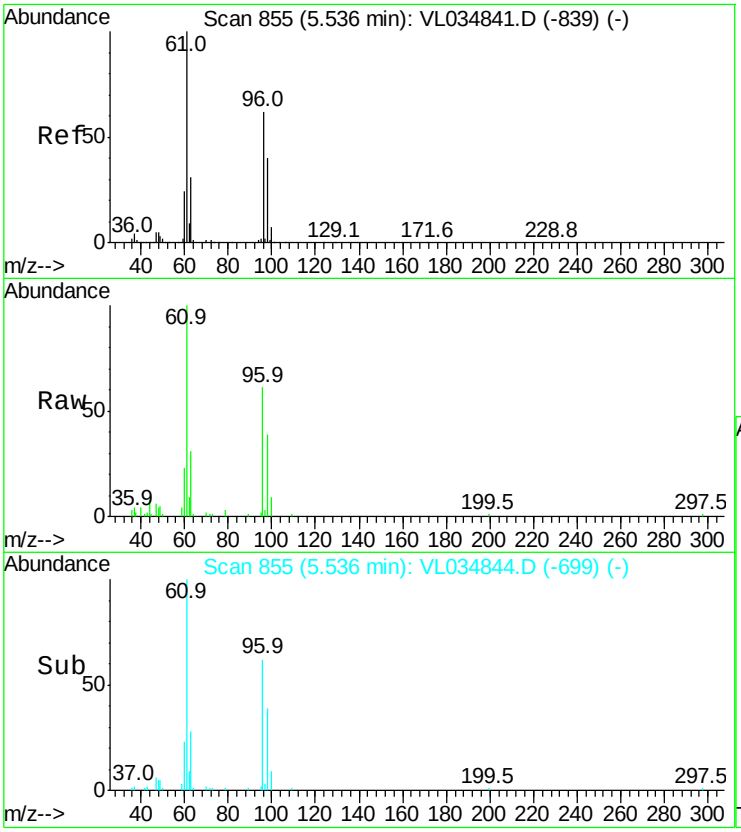


#30
Cyclohexane
Concen: 0.374 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 84 Resp: 23912

Ion	Ratio	Lower	Upper
84	100		
56	205.1	110.5	165.7#
41	0.0	68.2	102.4#



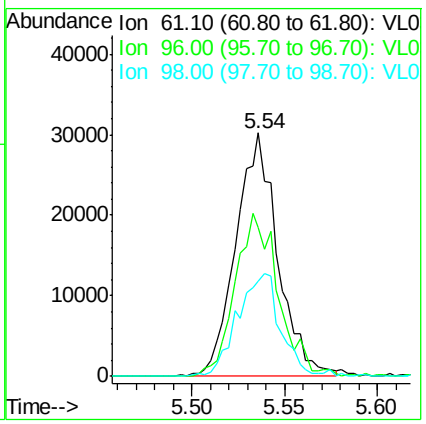


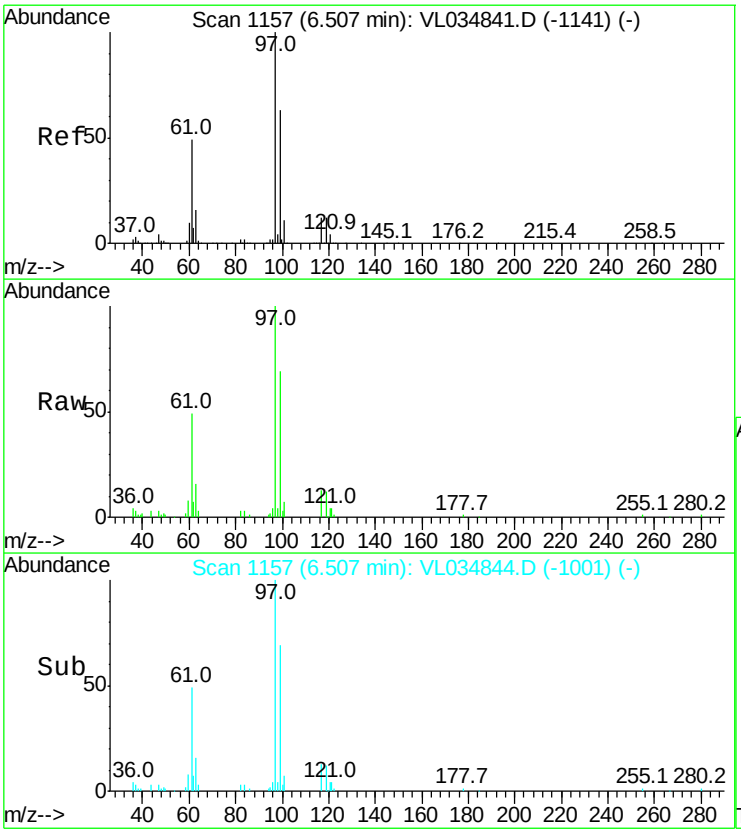
#31
cis-1,2-Dichloroethene
Concen: 0.554 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 47519

Ion	Ratio	Lower	Upper
61	100		
96	61.6	49.8	74.8
98	39.1	32.2	48.4

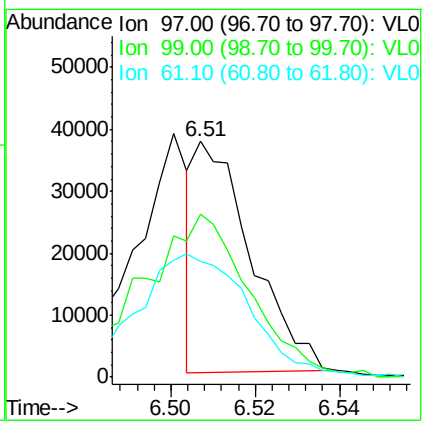


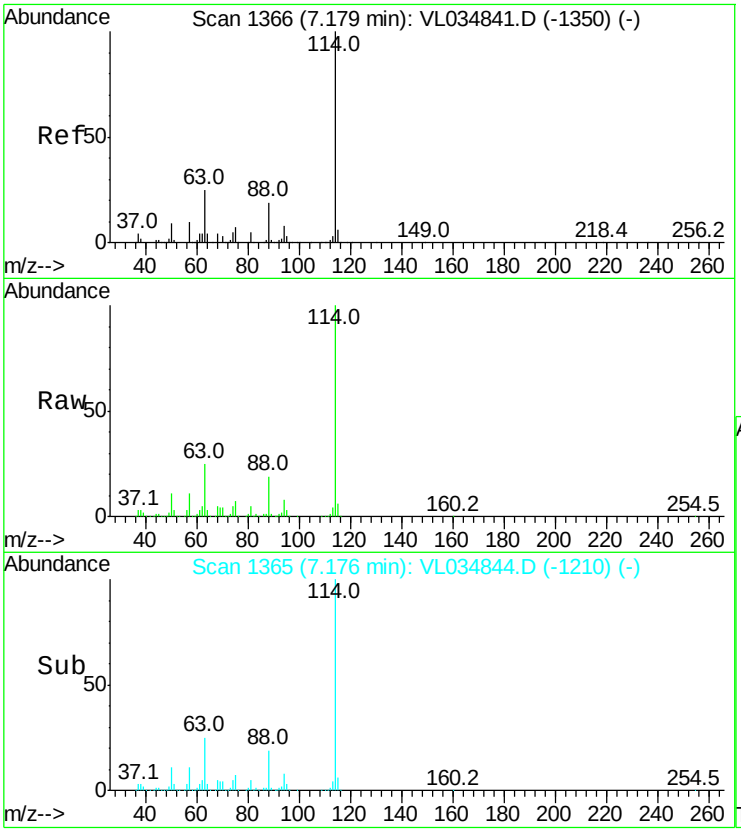


#32
1,1,1-Trichloroethane
Concen: 0.247 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 97 Resp: 34367

Ion	Ratio	Lower	Upper
97	100		
99	137.9	51.1	76.7#
61	110.0	39.7	59.5#



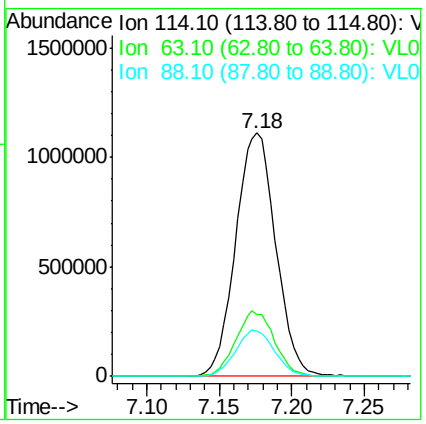


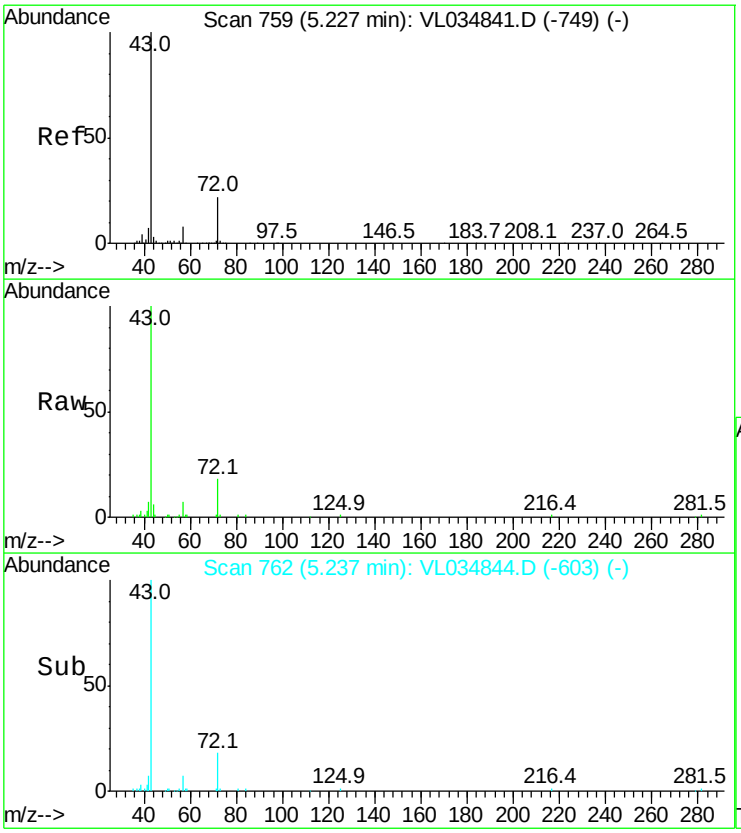
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 2132118

Ion	Ratio	Lower	Upper
114	100		
63	26.1	20.6	31.0
88	18.7	15.0	22.6

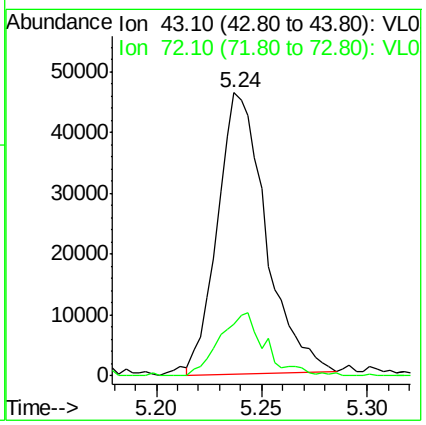


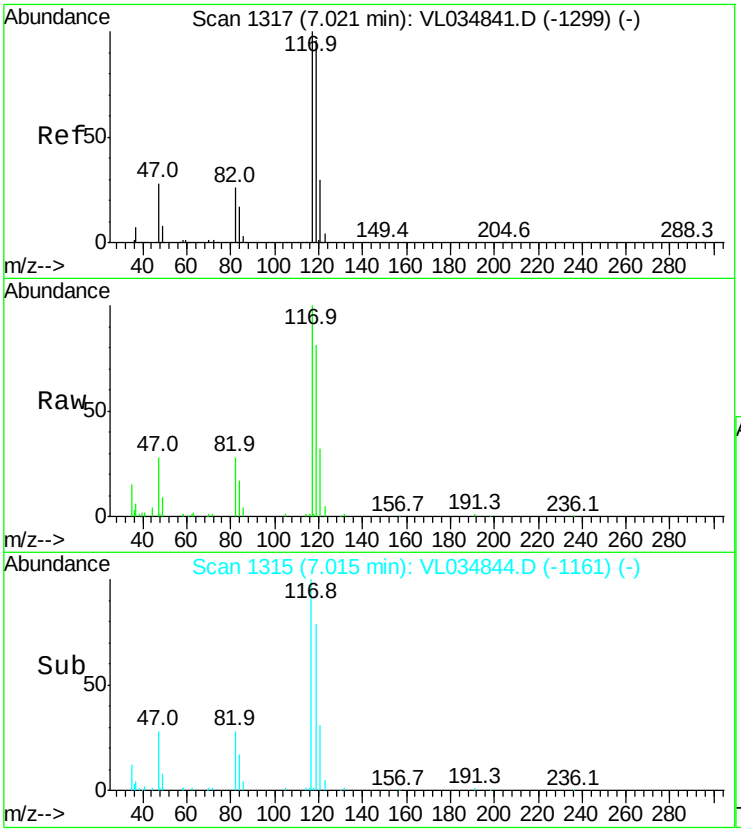


#34
2-Butanone
Concen: 0.531 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 43 Resp: 73698

Ion	Ratio	Lower	Upper
43	100		
72	21.5	17.6	26.4



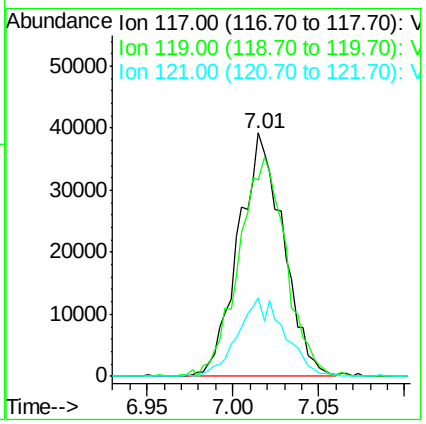


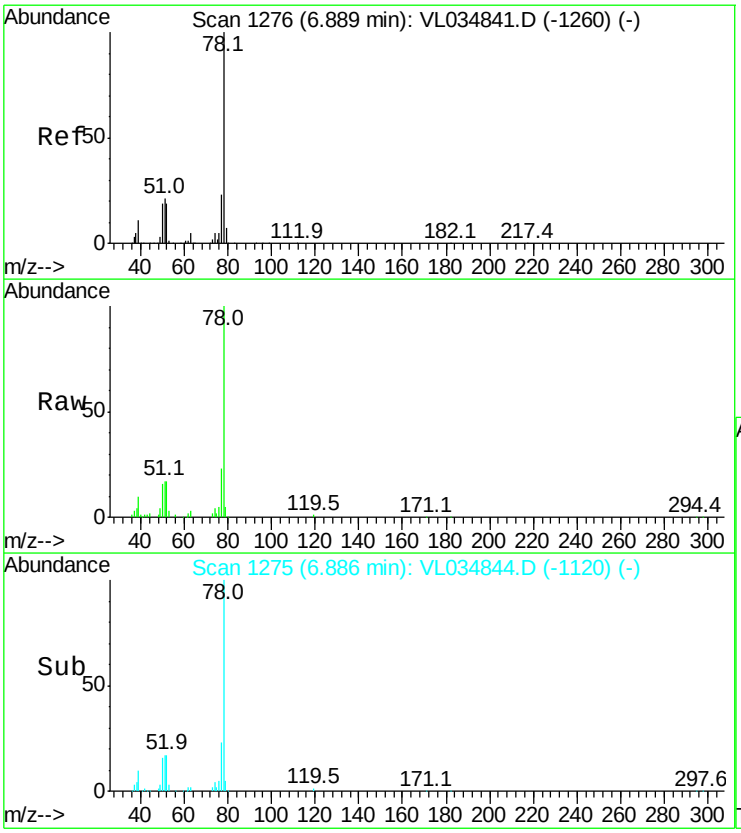
#35
Carbon Tetrachloride
Concen: 0.441 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 70977

Ion	Ratio	Lower	Upper
117	100		
119	79.9	77.0	115.4
121	31.2	24.0	36.0

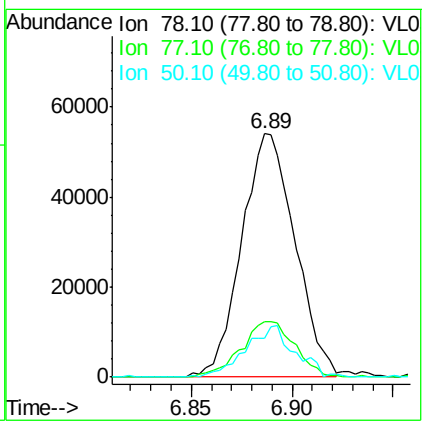


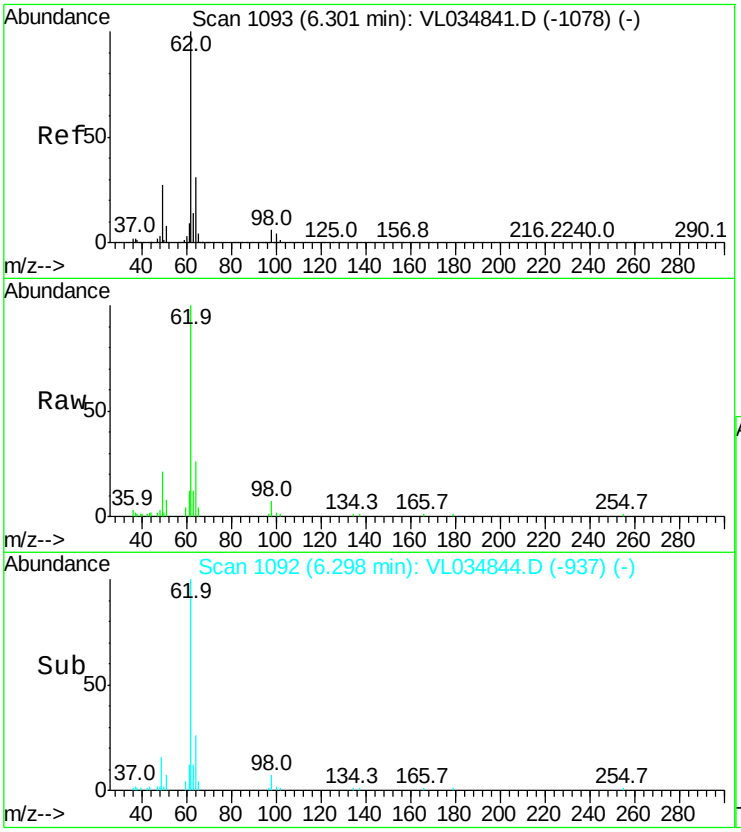


#36
Benzene
Concen: 0.547 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 78 Resp: 99728

Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.2	27.2
50	16.0	15.2	22.8



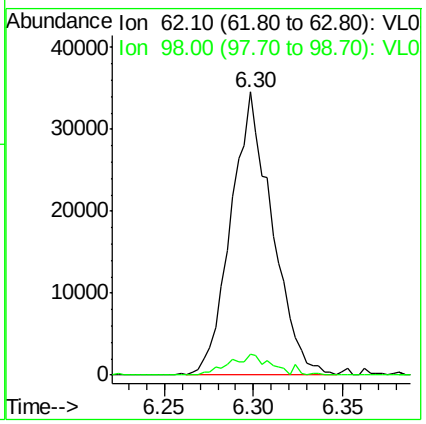


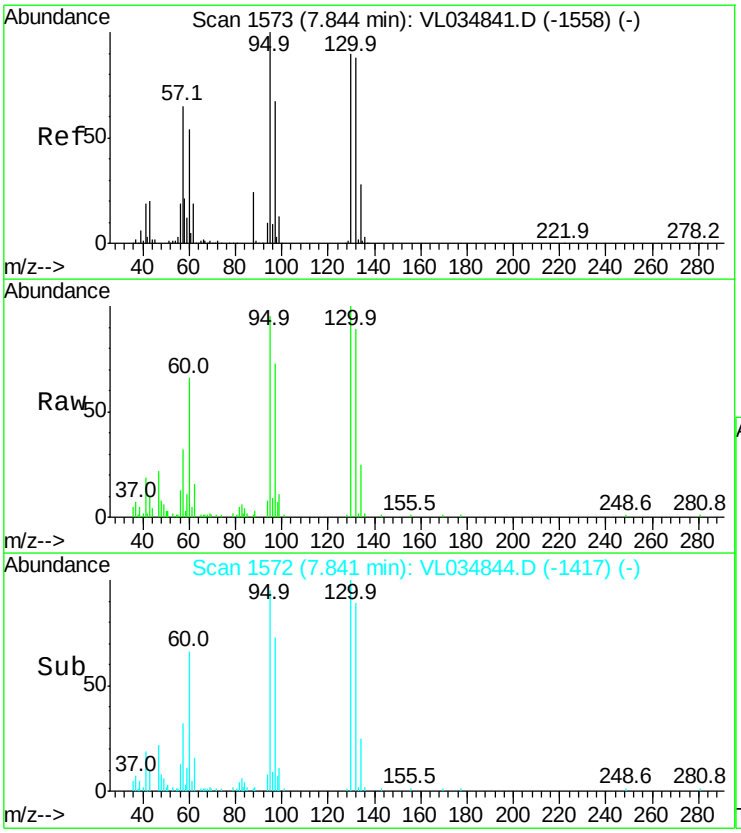
#37
1,2-Dichloroethane
Concen: 0.448 ppbv
RT: 6.30 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 55706

Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.2	7.8

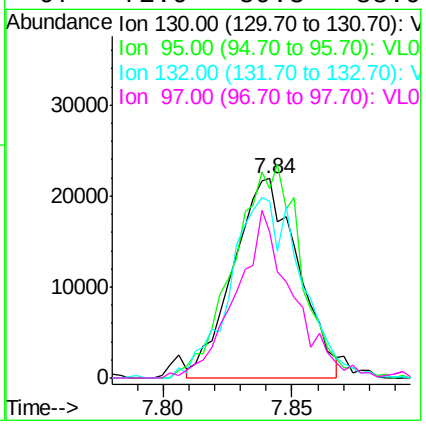


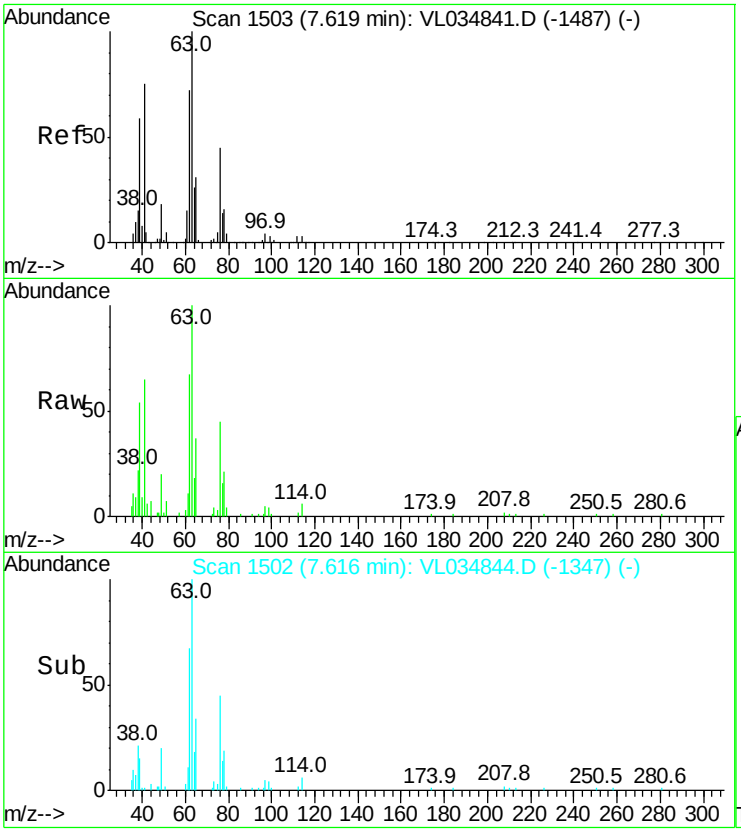


#38
Trichloroethene
Concen: 0.542 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:130 Resp: 38488

Ion	Ratio	Lower	Upper
130	100		
95	93.2	88.5	132.7
132	88.7	78.0	117.0
97	72.9	59.3	88.9



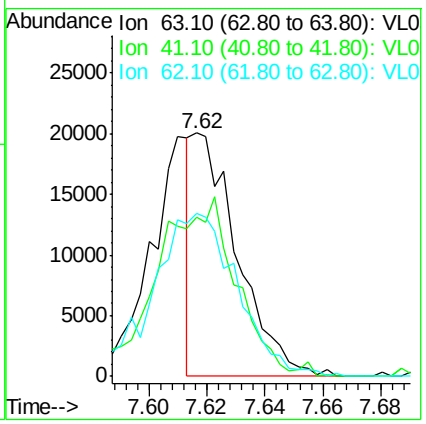


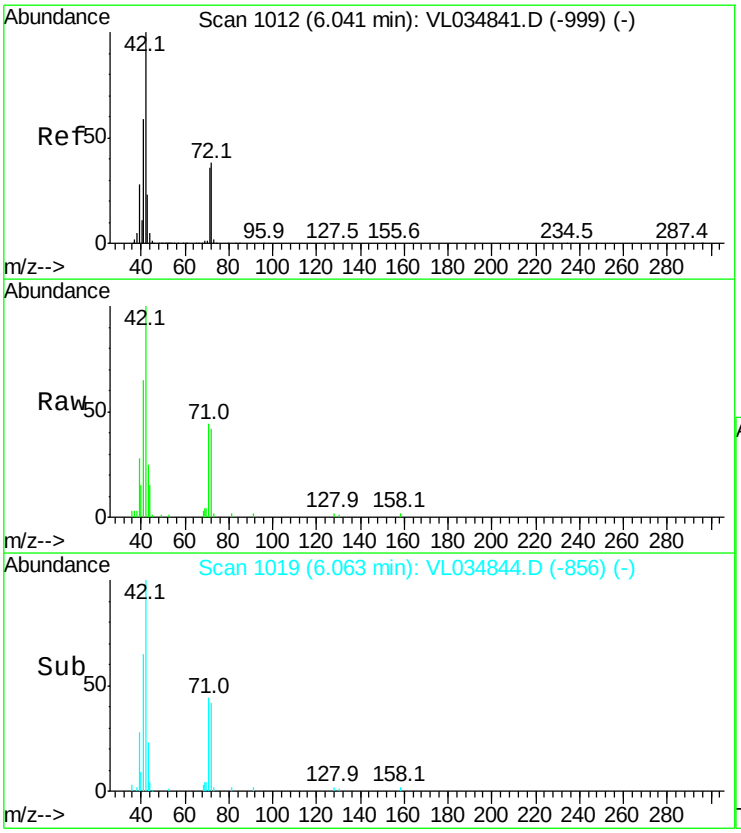
#39
1,2-Dichloropropane
Concen: 0.293 ppbv
RT: 7.62 min Scan# 1502
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 63 Resp: 21552

Ion	Ratio	Lower	Upper
63	100		
41	65.5	59.8	89.8
62	65.6	57.6	86.4

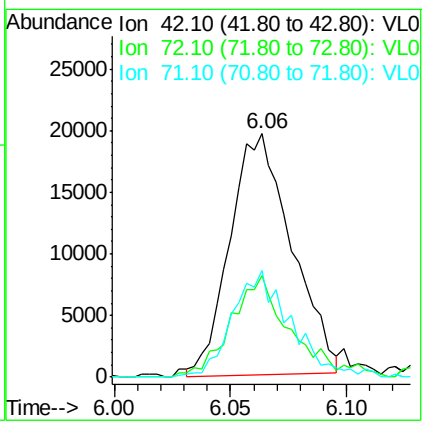


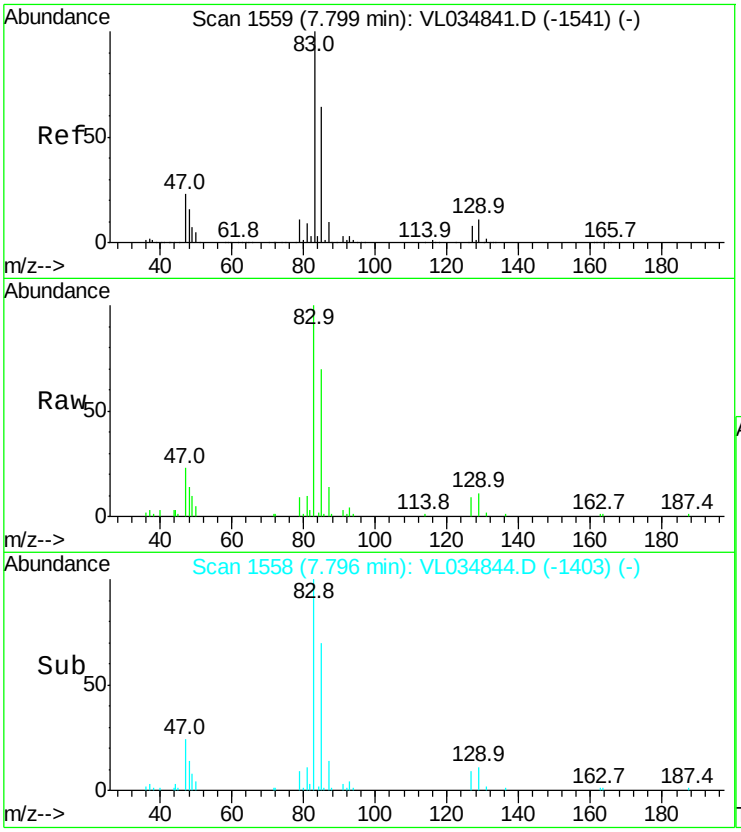


#41
Tetrahydrofuran
Concen: 0.513 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 42 Resp: 36334

Ion	Ratio	Lower	Upper
42	100		
72	40.9	30.8	46.2
71	41.7	30.1	45.1



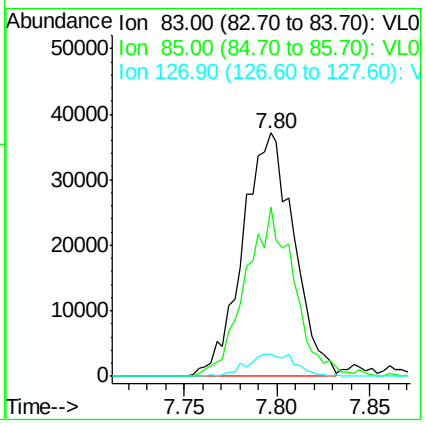


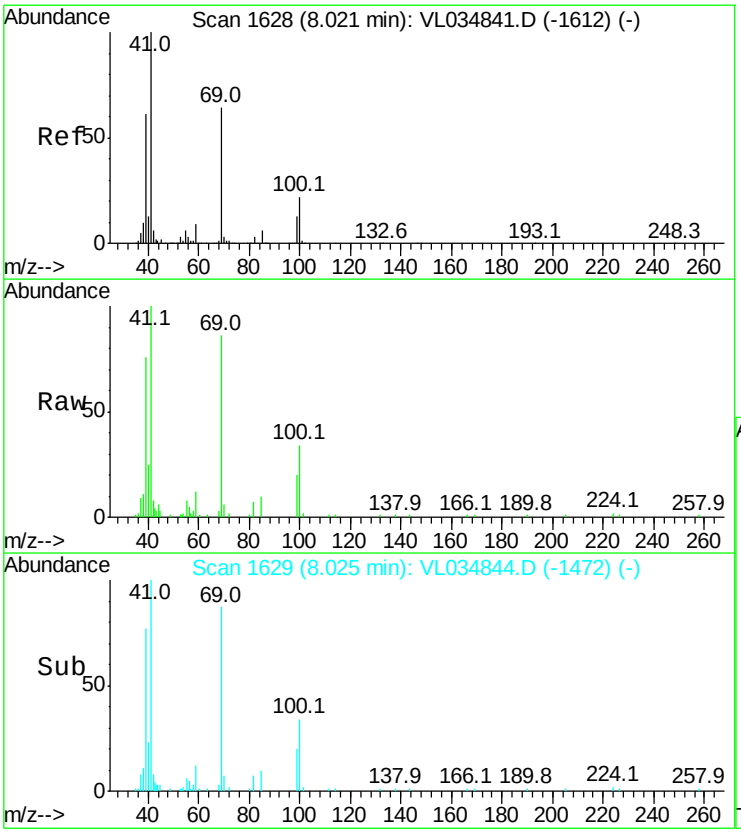
#42
Bromodichloromethane
Concen: 0.451 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 71054

Ion	Ratio	Lower	Upper
83	100		
85	69.8	51.4	77.2
127	9.0	6.2	9.4

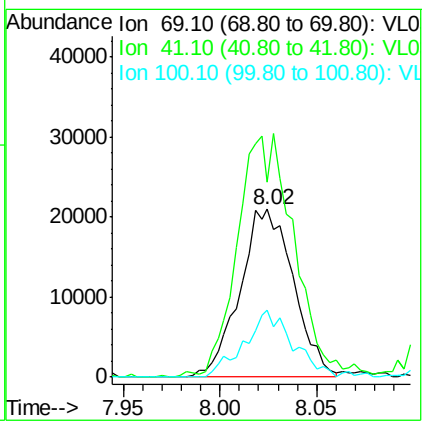


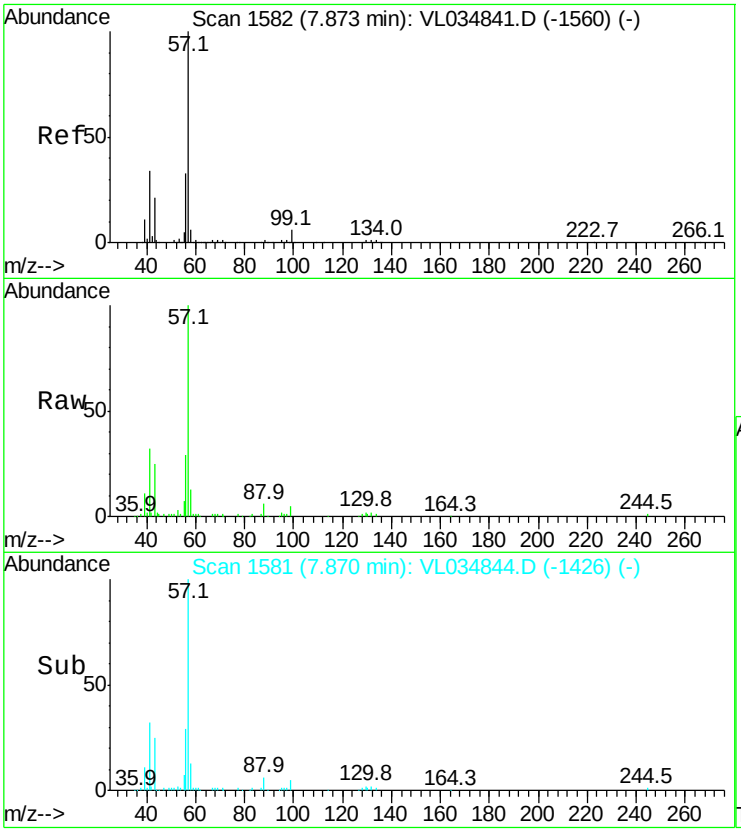


#43
Methyl Methacrylate
Concen: 0.522 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 69 Resp: 40321

Ion	Ratio	Lower	Upper
69	100		
41	154.0	123.2	184.8
100	37.6	26.9	40.3



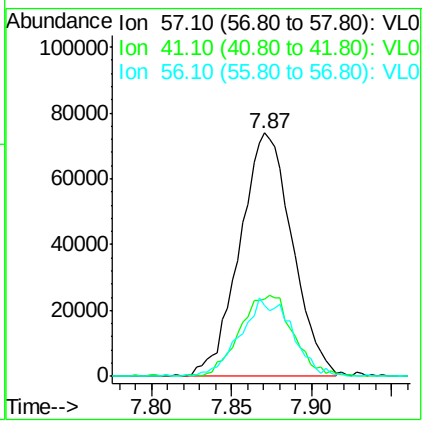


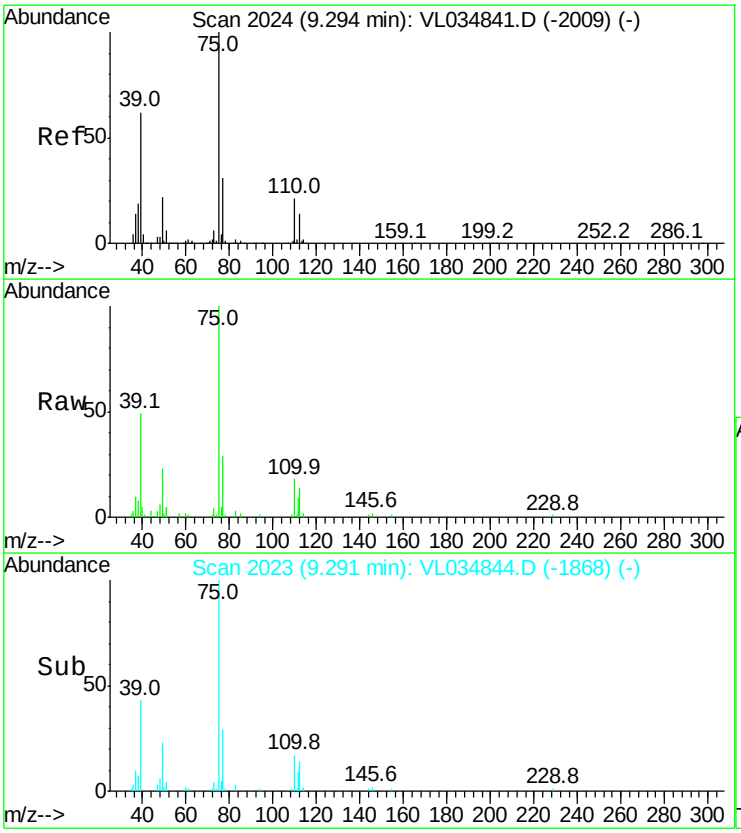
#44
2,2,4-Trimethylpentane
Concen: 0.523 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 57 Resp: 166470

Ion	Ratio	Lower	Upper
57	100		
41	34.3	26.2	39.4
56	31.8	25.0	37.4

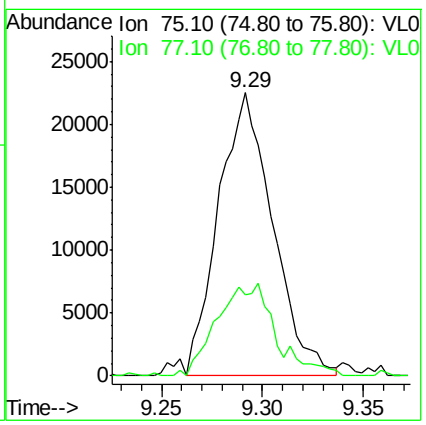


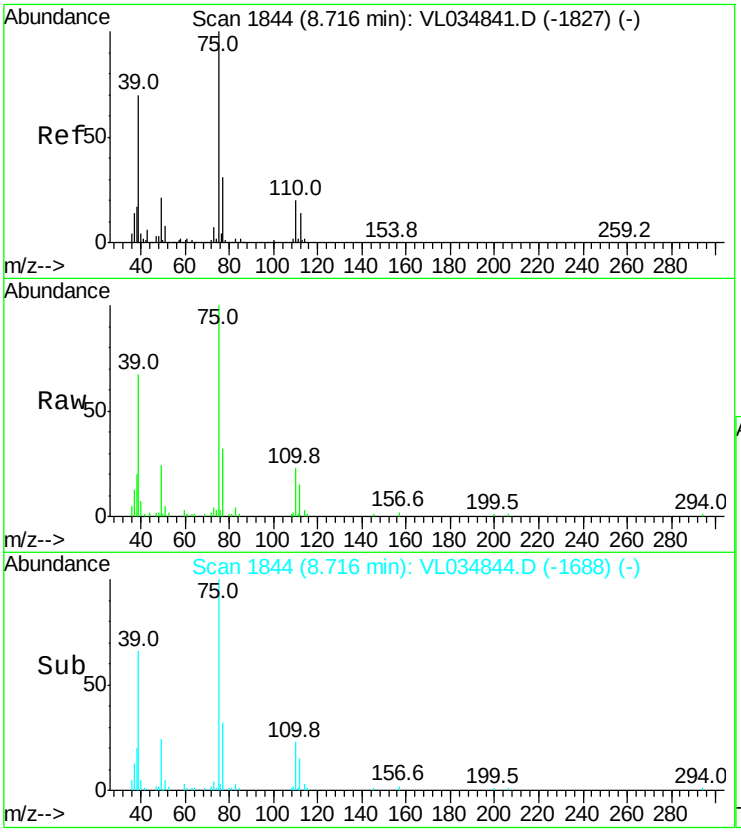


#45
t-1,3-Dichloropropene
Concen: 0.523 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 75 Resp: 42349

Ion	Ratio	Lower	Upper
75	100		
77	28.9	24.6	37.0



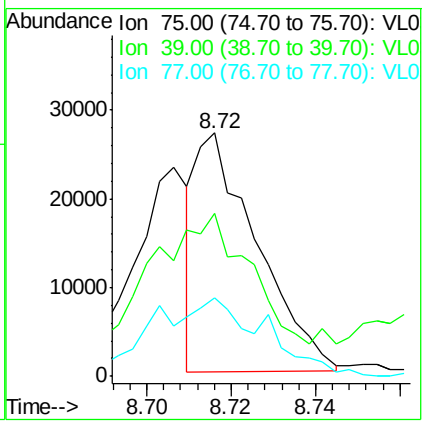


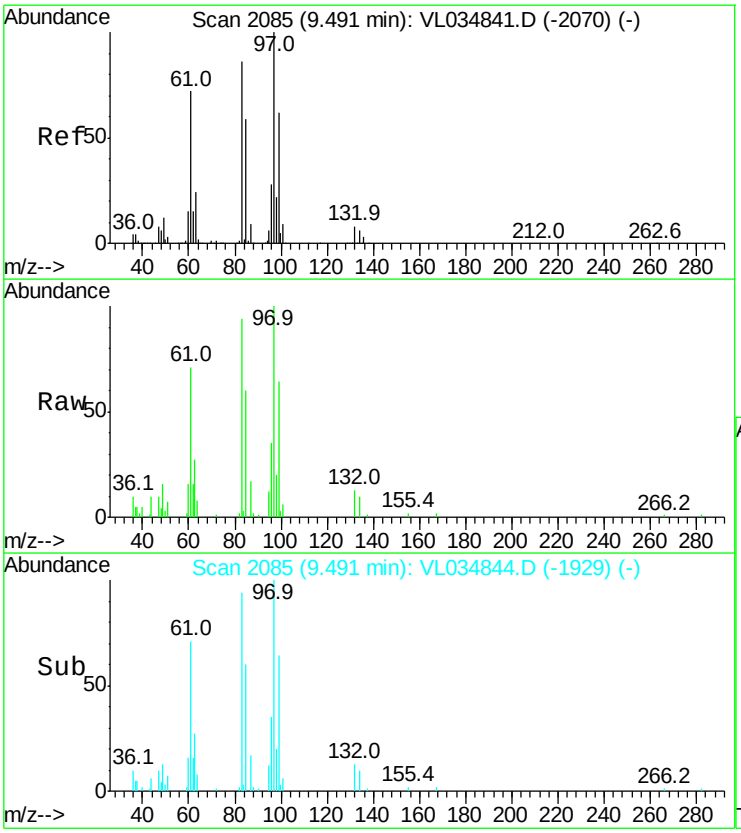
#46
cis-1,3-Dichloropropene
Concen: 0.272 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 26902

Ion	Ratio	Lower	Upper
75	100		
39	56.6	55.7	83.5
77	31.9	24.7	37.1

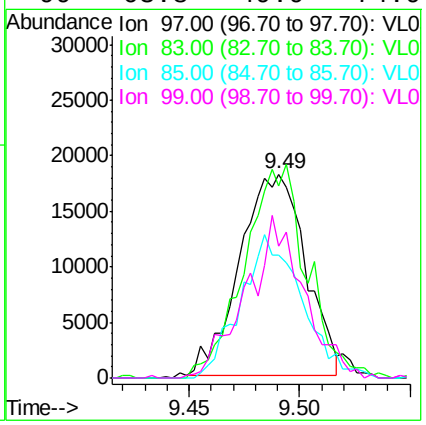


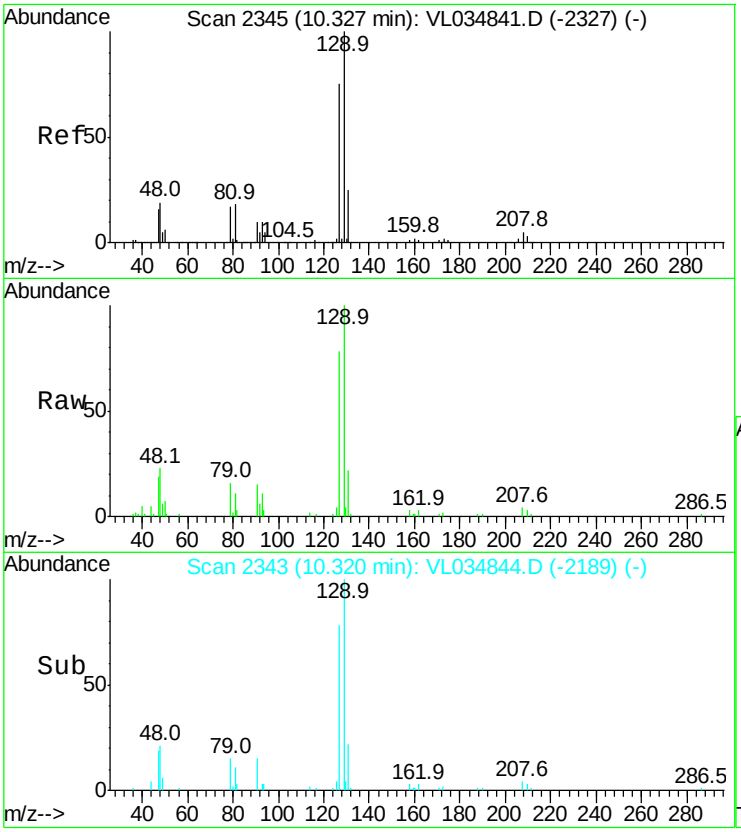


#47
1,1,2-Trichloroethane
Concen: 0.485 ppbv
RT: 9.49 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 97 Resp: 37684

Ion	Ratio	Lower	Upper
97	100		
83	95.0	68.6	102.8
85	60.6	46.9	70.3
99	63.8	49.9	74.9



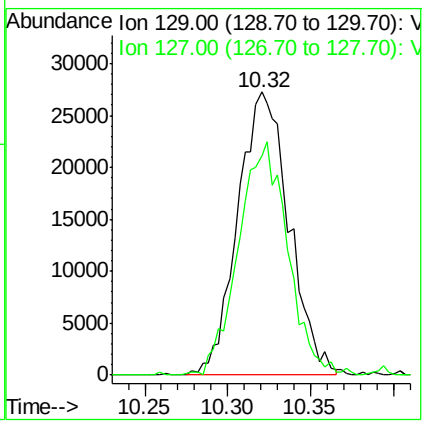


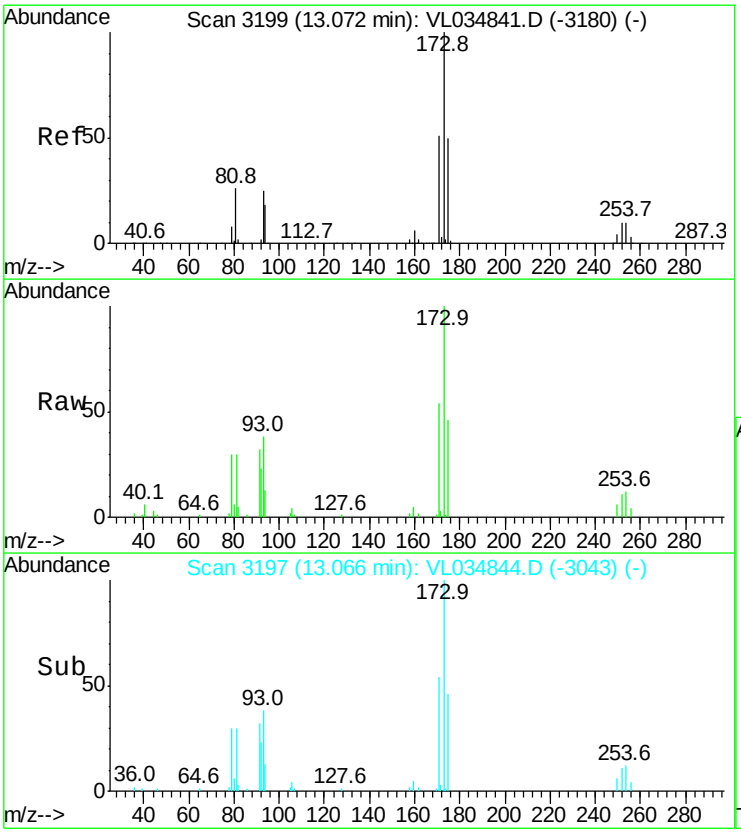
#48
Dibromochloromethane
Concen: 0.482 ppbv
RT: 10.32 min Scan# 2343
Delta R.T. -0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:129 Resp: 58551

Ion	Ratio	Lower	Upper
129	100		
127	80.2	39.6	118.7

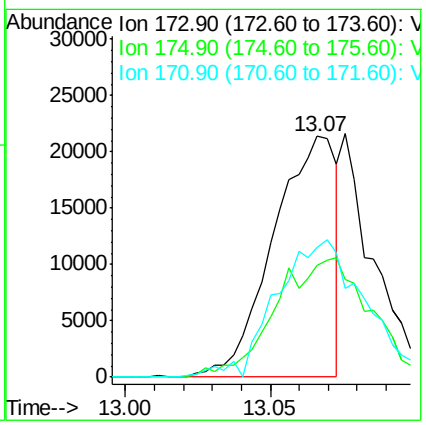


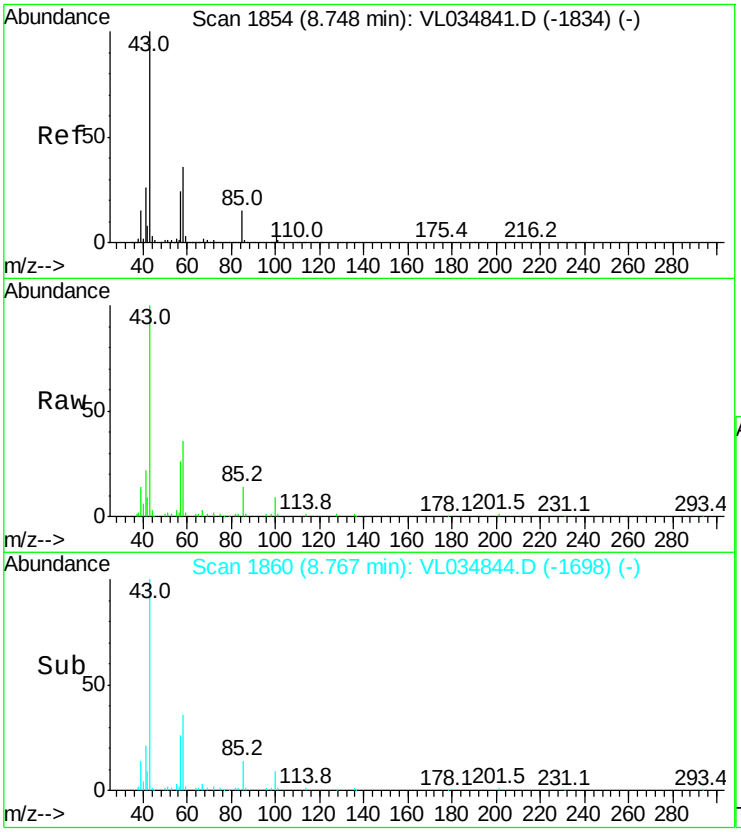


#49
Bromoform
Concen: 0.304 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:173 Resp: 32156

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.6	59.4#
171	0.0	41.0	61.6#



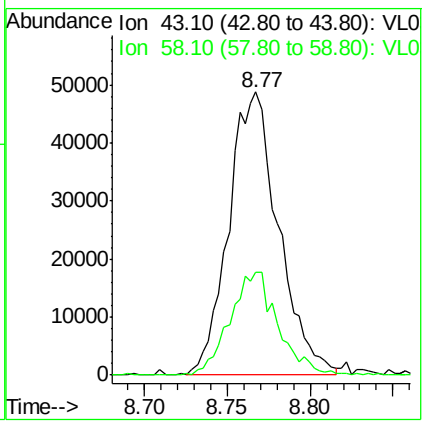


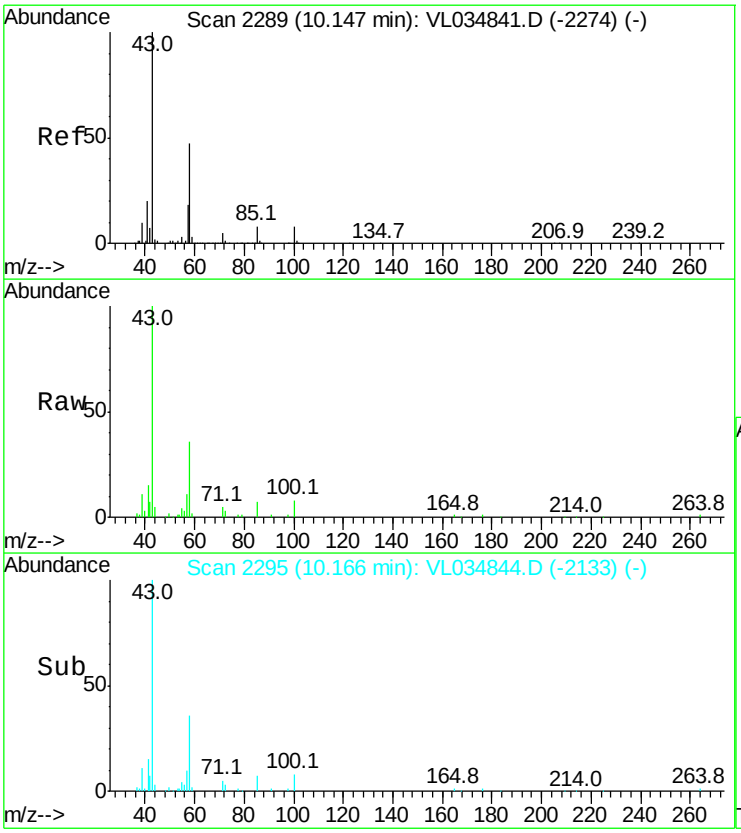
#50
4-Methyl-2-Pentanone
Concen: 0.513 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.02 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 101965

Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.6	42.8

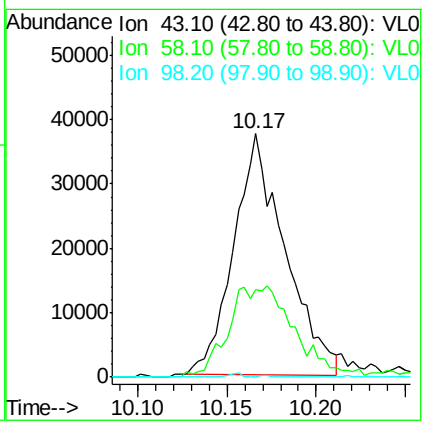


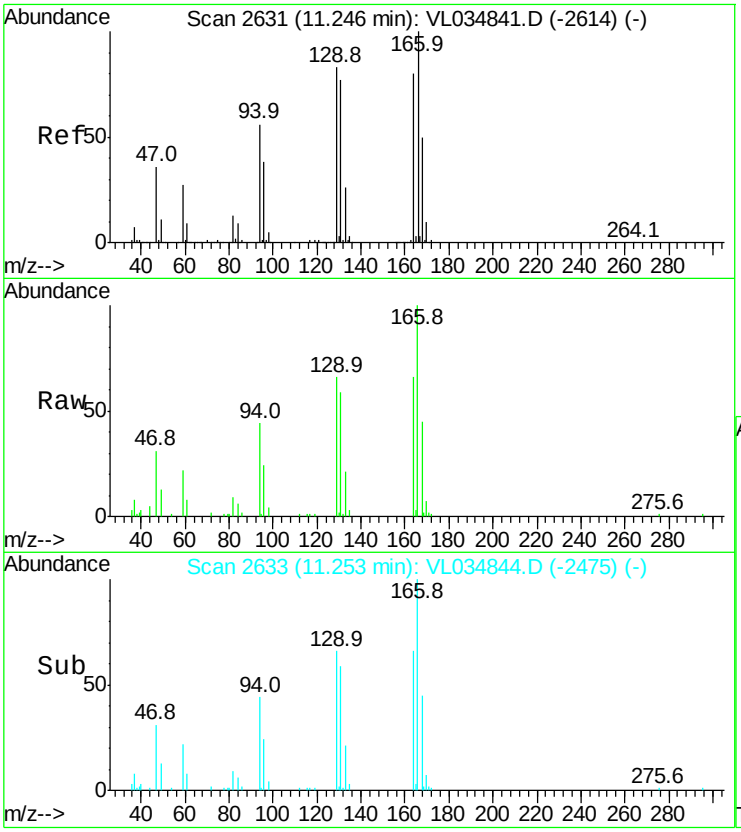


#51
2-Hexanone
Concen: 0.483 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.02 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 43 Resp: 75266

Ion	Ratio	Lower	Upper
43	100		
58	50.1	38.6	58.0
98	0.5	0.1	0.1#



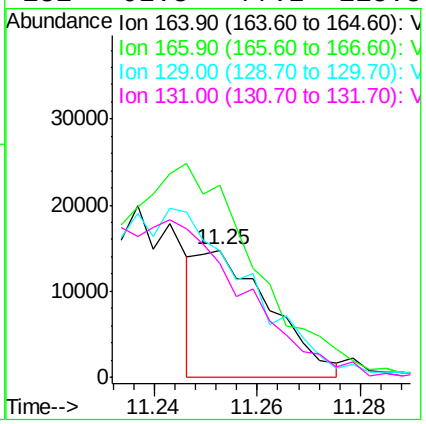


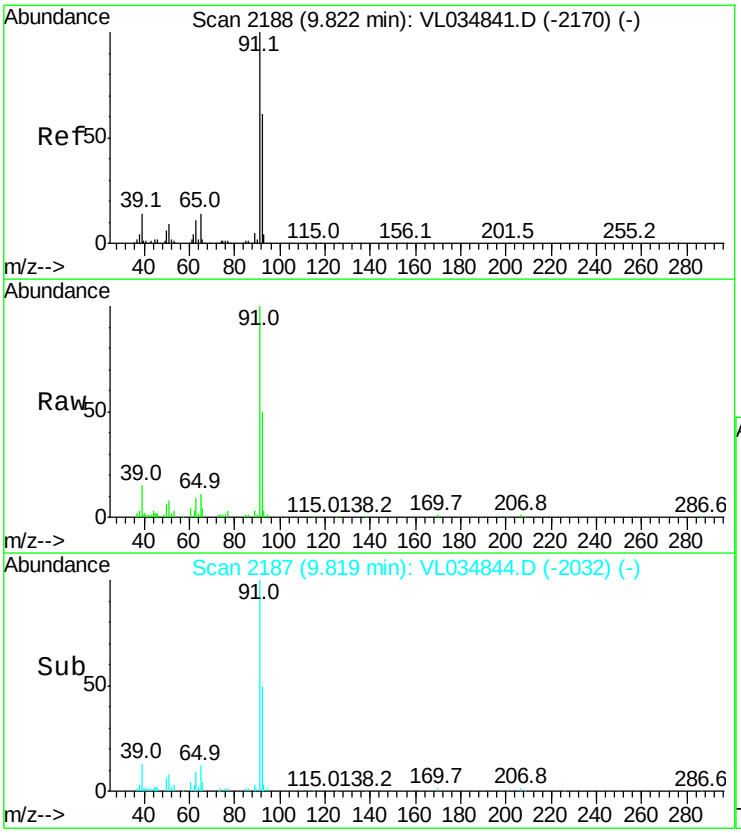
#52
Tetrachloroethene
Concen: 0.213 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:164 Resp: 14340

Ion	Ratio	Lower	Upper
164	100		
166	144.9	100.0	150.0
129	104.0	83.1	124.7
131	92.3	77.2	115.8

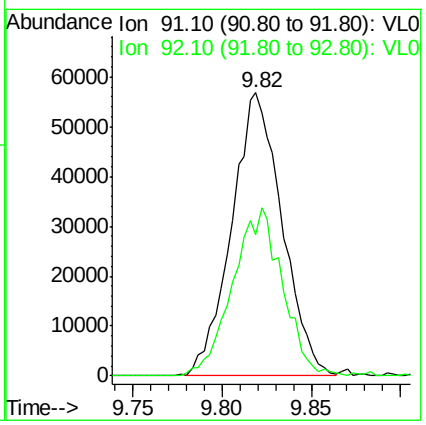


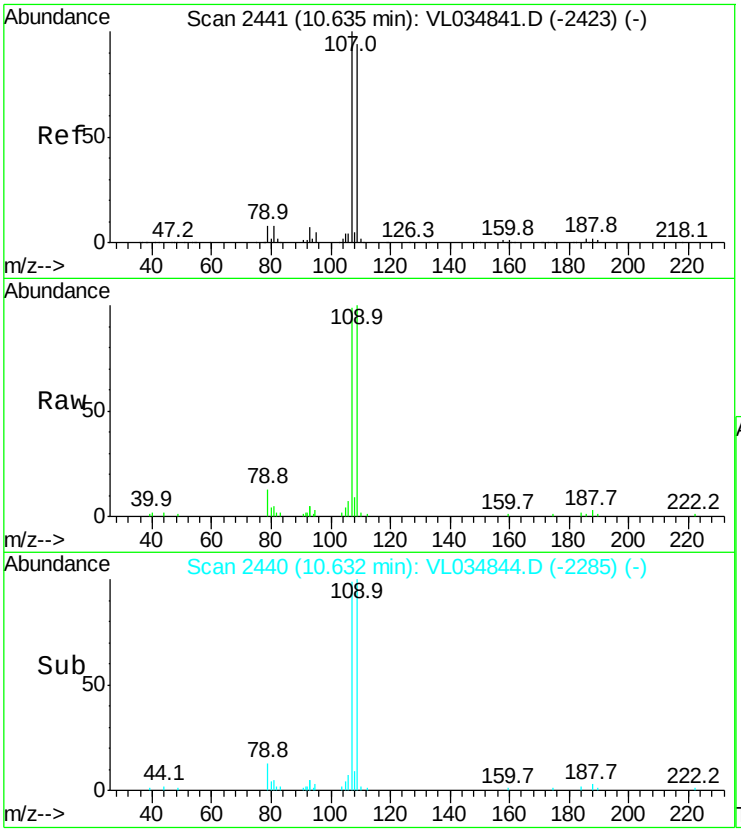


#53
Toluene
Concen: 0.578 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 91 Resp: 111391

Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.6	72.8



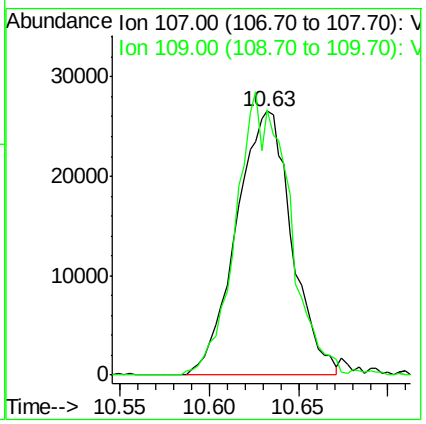


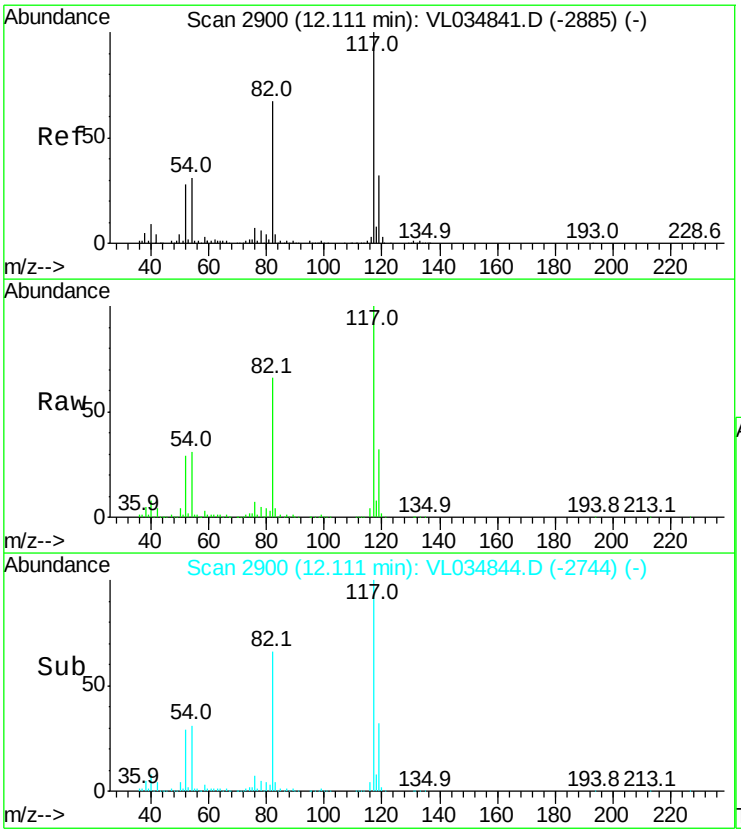
#54
1,2-Dibromoethane
Concen: 0.501 ppbv
RT: 10.63 min Scan# 2440
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:107 Resp: 57512

Ion	Ratio	Lower	Upper
107	100		
109	99.4	74.9	112.3

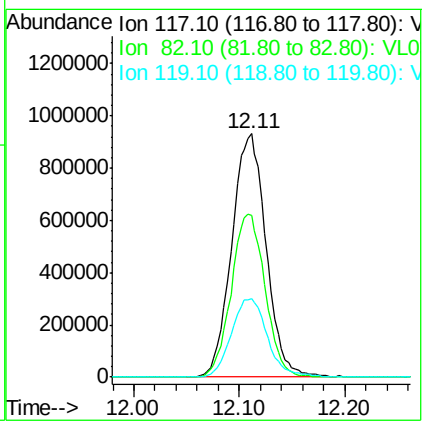


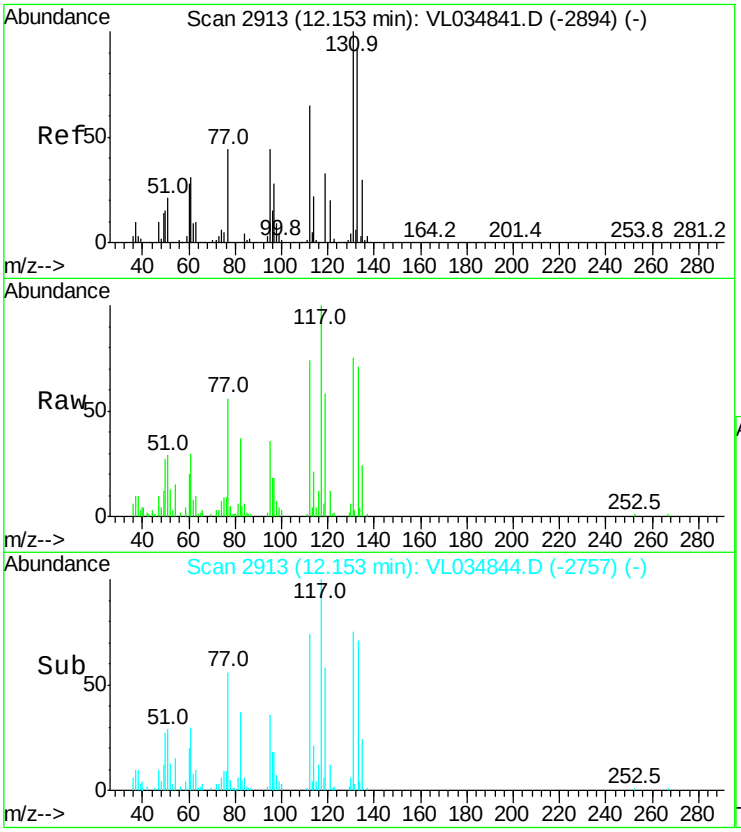


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:117 Resp: 2105955

Ion	Ratio	Lower	Upper
117	100		
82	66.1	51.1	76.7
119	34.1	27.3	40.9



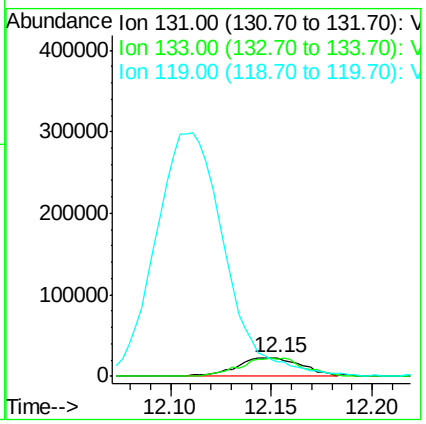


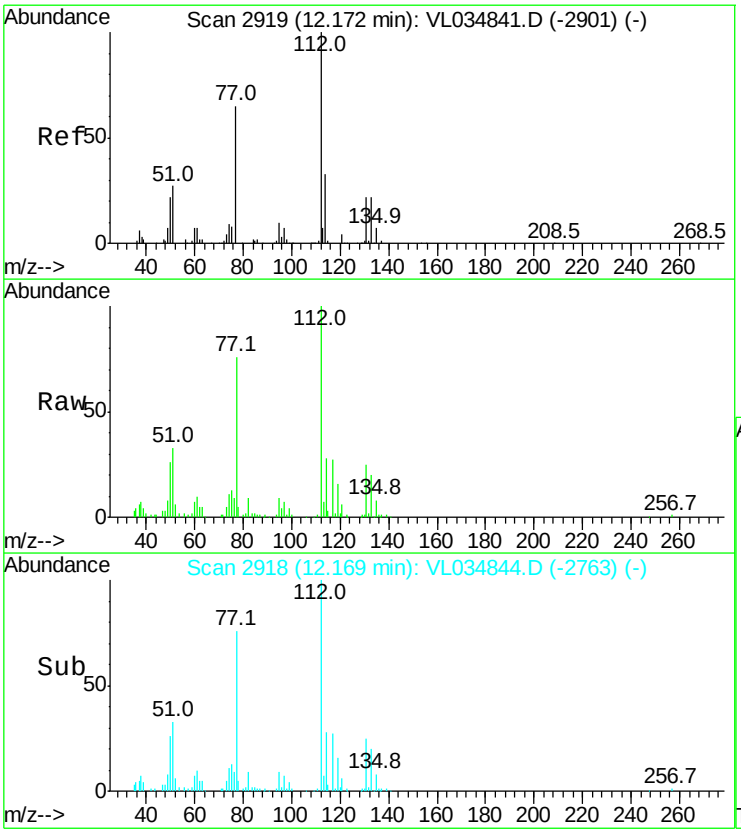
#56
1,1,1,2-Tetrachloroethane
Concen: 0.543 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:131 Resp: 50674

Ion	Ratio	Lower	Upper
131	100		
133	99.1	76.0	114.0
119	1419.1	47.8	71.8#

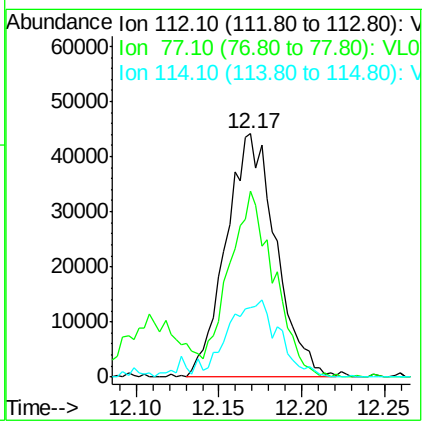


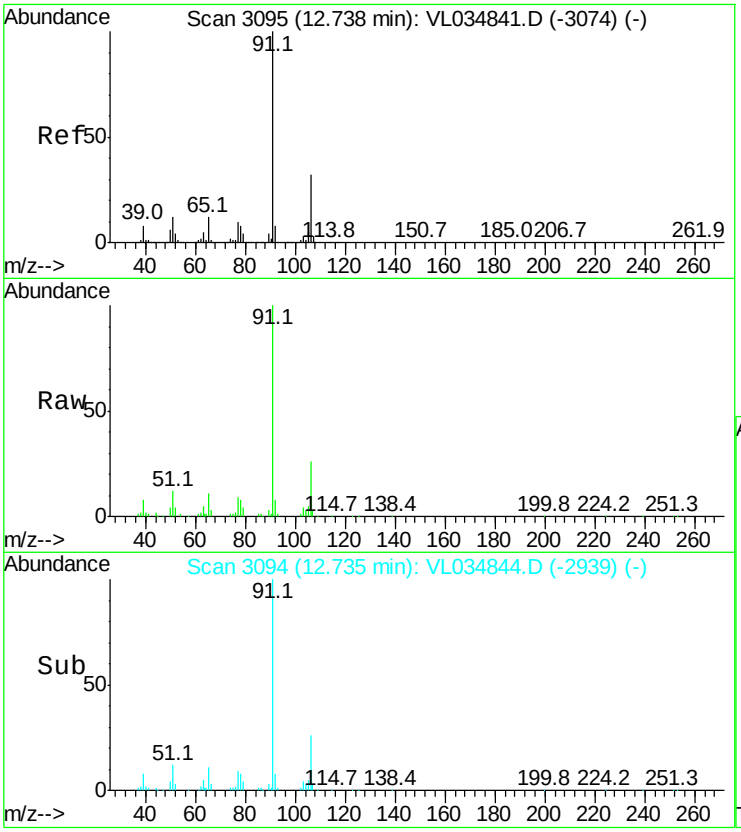


#57
Chlorobenzene
Concen: 0.576 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:112 Resp: 92660

Ion	Ratio	Lower	Upper
112	100		
77	75.3	53.0	79.6
114	28.3	29.5	36.1#



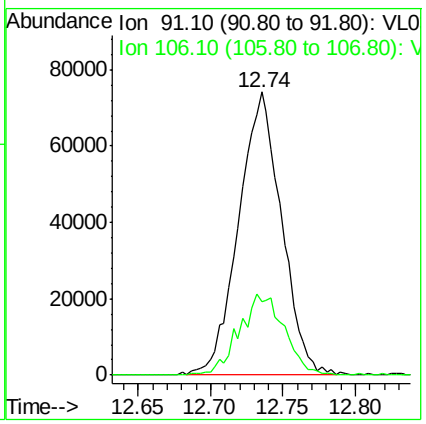


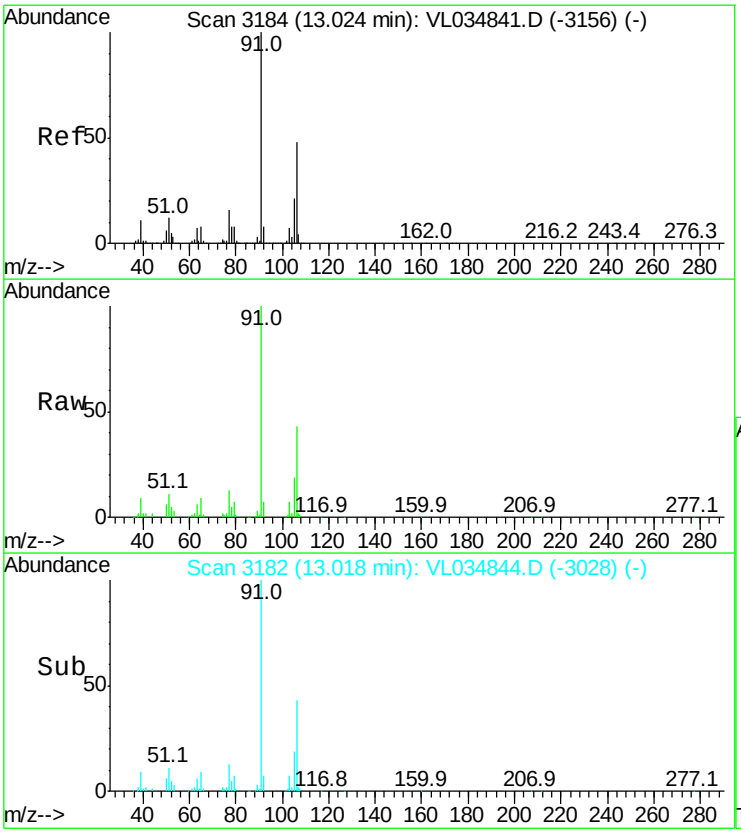
#58
Ethyl Benzene
Concen: 0.587 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 152460

Ion	Ratio	Lower	Upper
91	100		
106	26.2	25.8	38.6

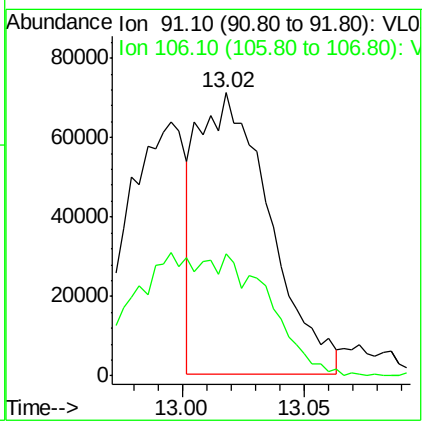


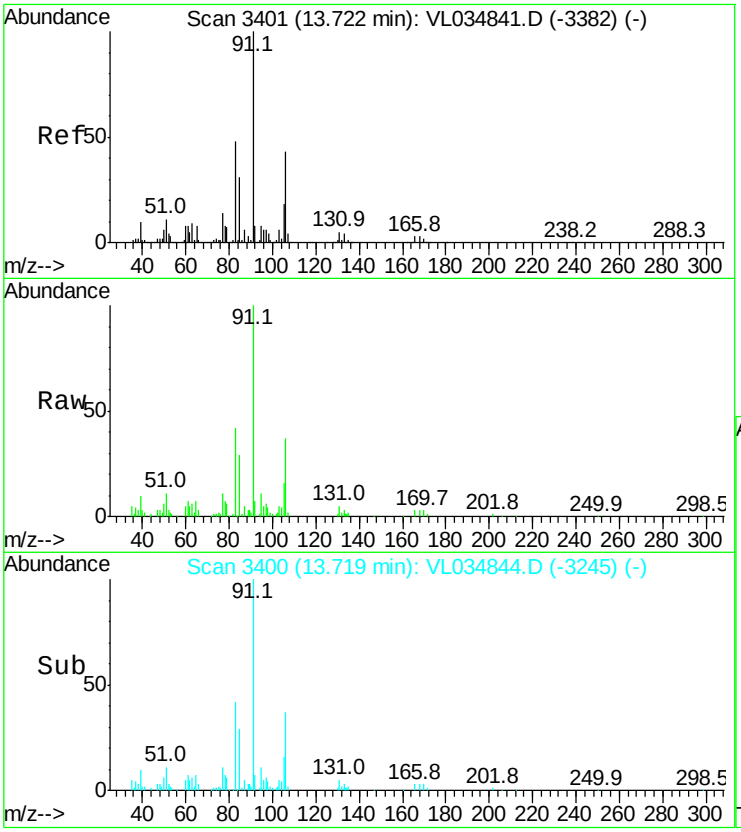


#59
m/p-Xylene
Concen: 0.646 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 91 Resp: 145180

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.1	55.7#



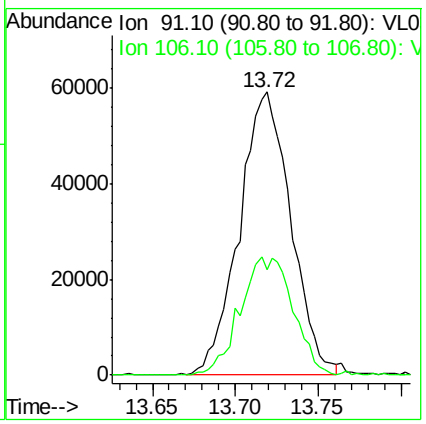


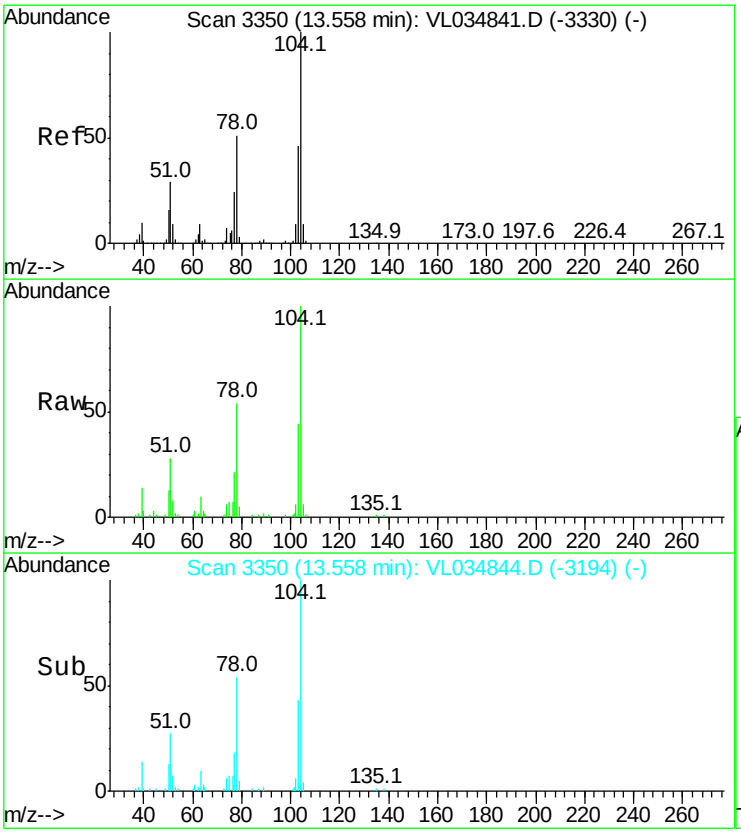
#60
o-Xylene
Concen: 0.559 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 126961

Ion	Ratio	Lower	Upper
91	100		
106	43.2	22.5	67.5

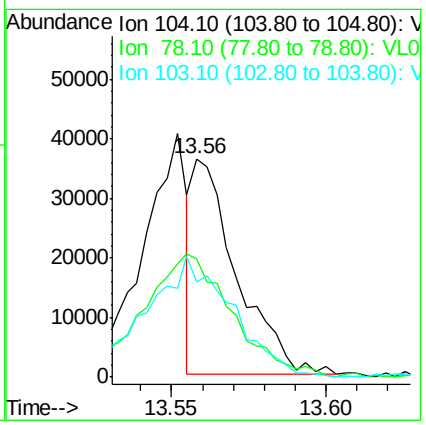


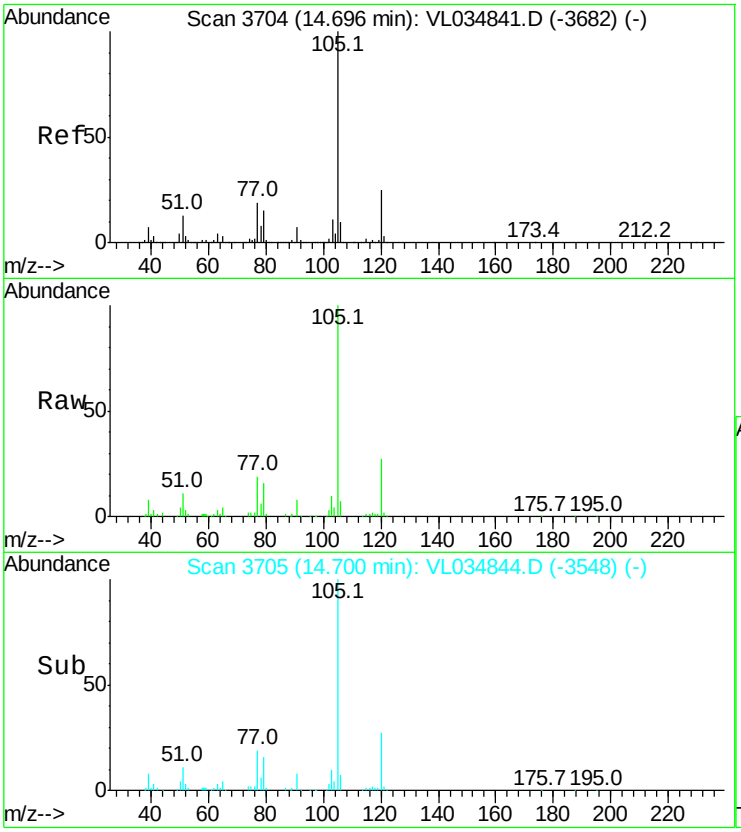


#61
Styrene
Concen: 0.251 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:104 Resp: 35371

Ion	Ratio	Lower	Upper
104	100		
78	120.6	41.8	62.6#
103	111.5	37.8	56.6#



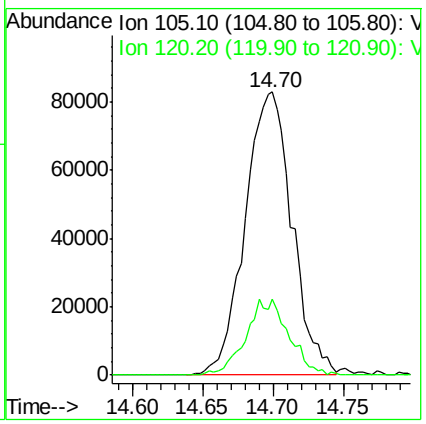


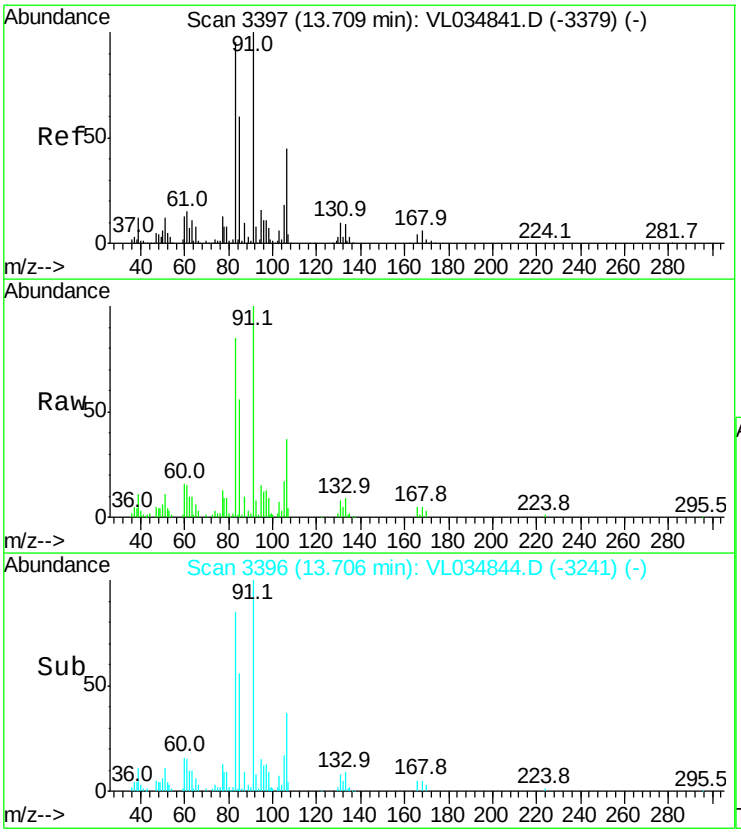
#62
Isopropylbenzene
Concen: 0.576 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 192625

Ion	Ratio	Lower	Upper
105	100		
120	24.4	21.0	31.4

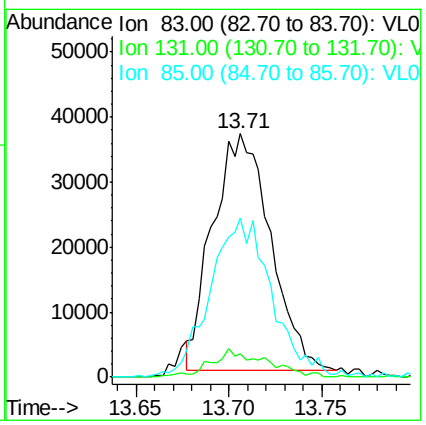


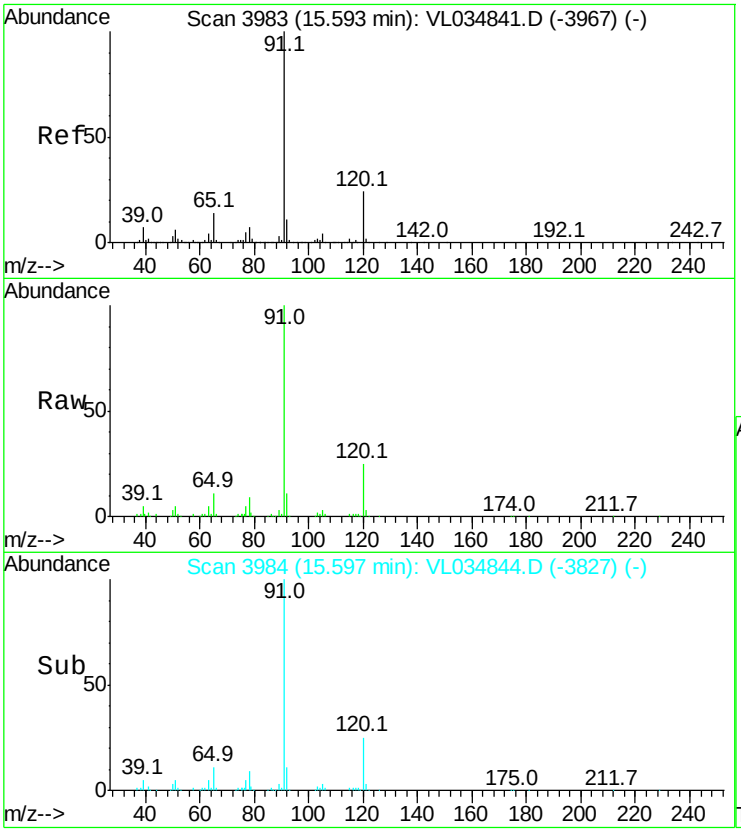


#63
1,1,2,2-Tetrachloroethane
Concen: 0.441 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 83 Resp: 79006

Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.0	14.9
85	71.9	32.4	97.2



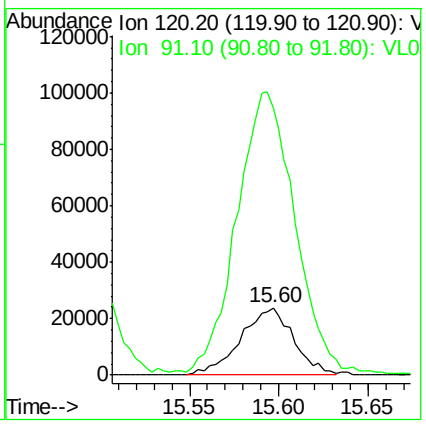


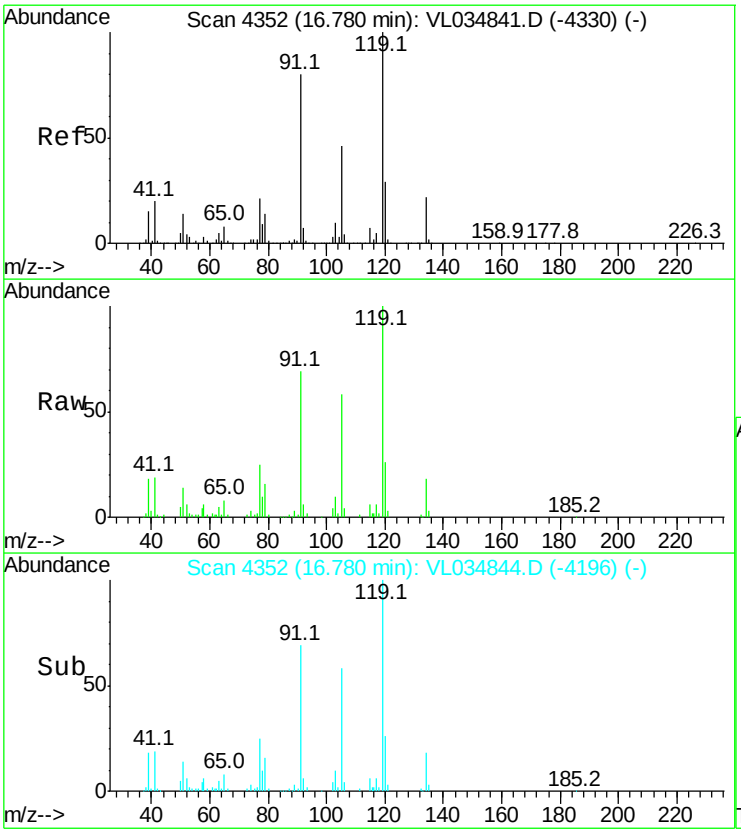
#64
n-propylbenzene
Concen: 0.587 ppbv
RT: 15.60 min Scan# 3984
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:120 Resp: 49209

Ion	Ratio	Lower	Upper
120	100		
91	472.5	360.9	541.3

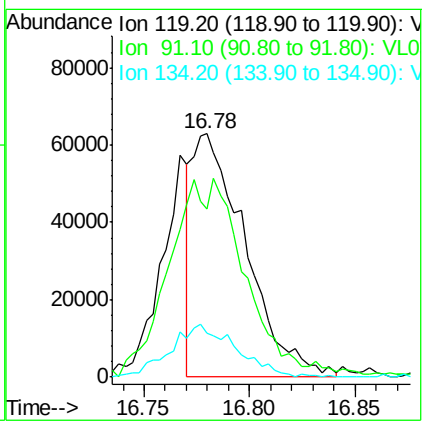


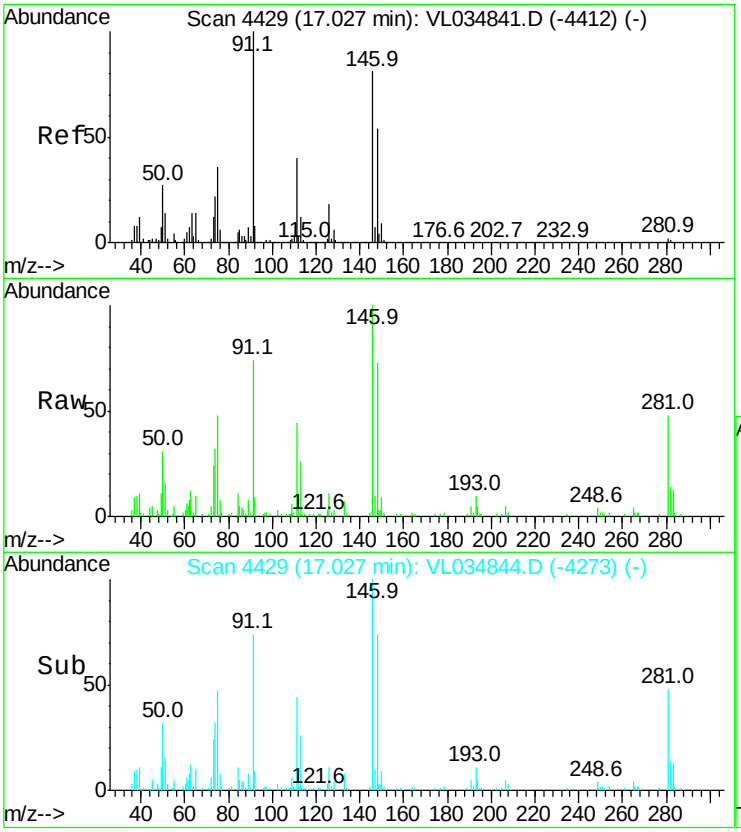


#65
tert-Butylbenzene
Concen: 0.387 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:119 Resp: 109422

Ion	Ratio	Lower	Upper
119	100		
91	121.0	64.9	97.3#
134	27.4	15.9	23.9#



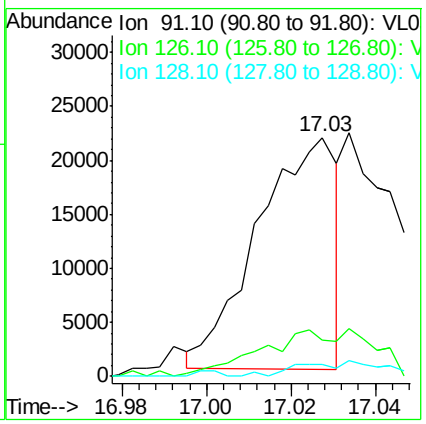


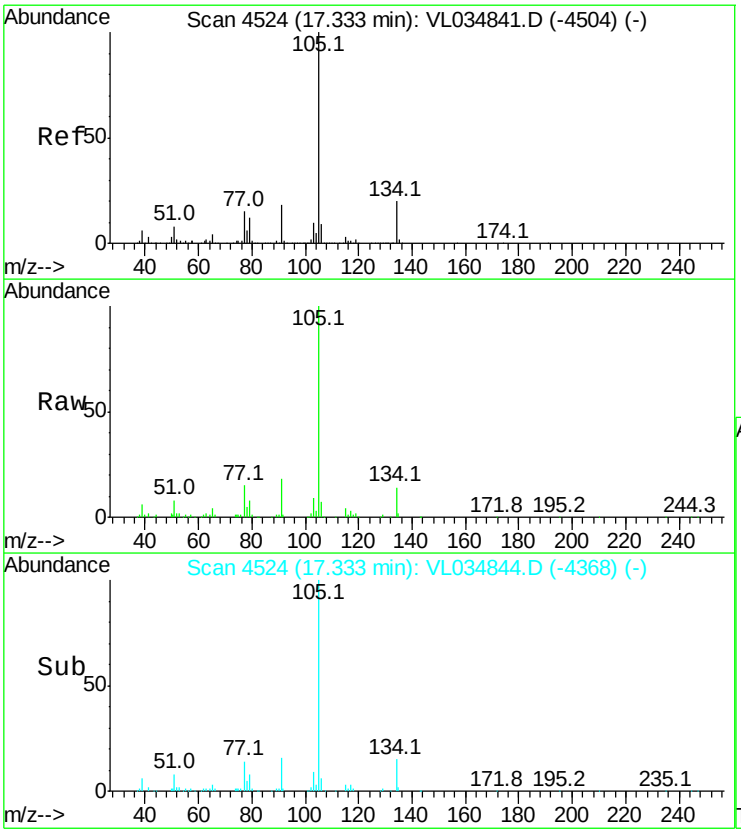
#66
Benzyl Chloride
Concen: 0.307 ppbv
RT: 17.03 min Scan# 4429
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 28045

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.7	22.1#
128	0.0	4.7	7.1#

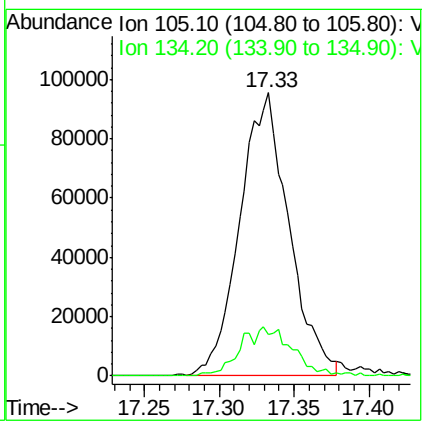


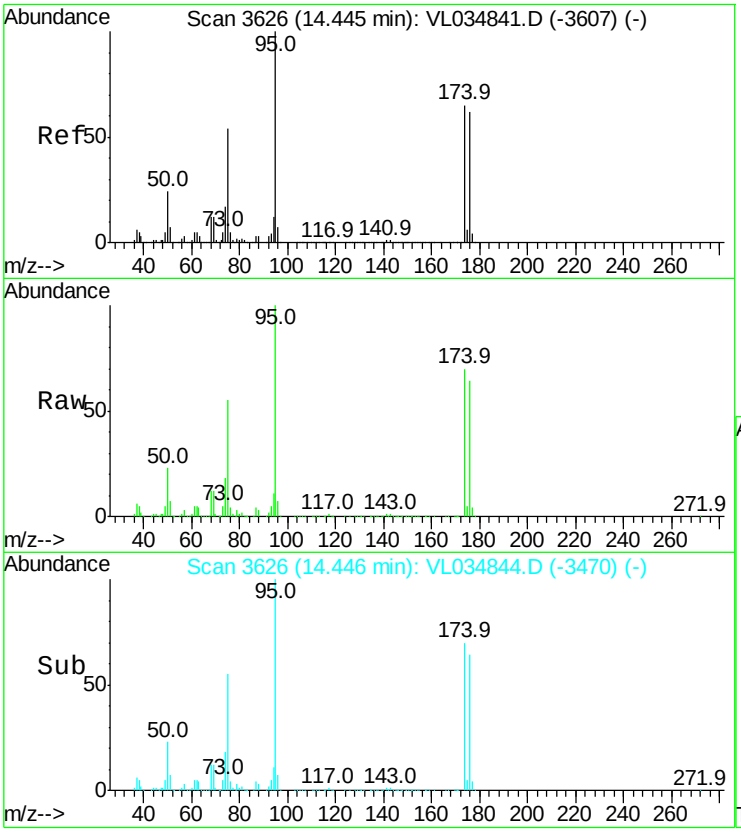


#67
sec-Butylbenzene
Concen: 0.524 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:105 Resp: 215685

Ion	Ratio	Lower	Upper
105	100		
134	18.7	15.0	22.6



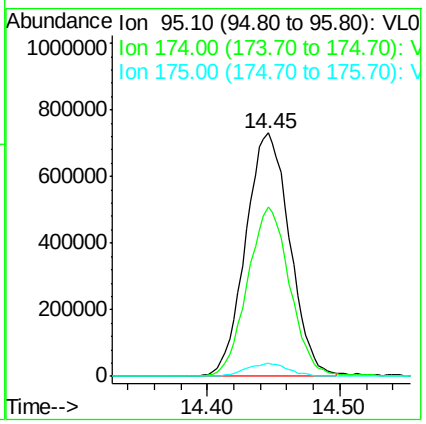


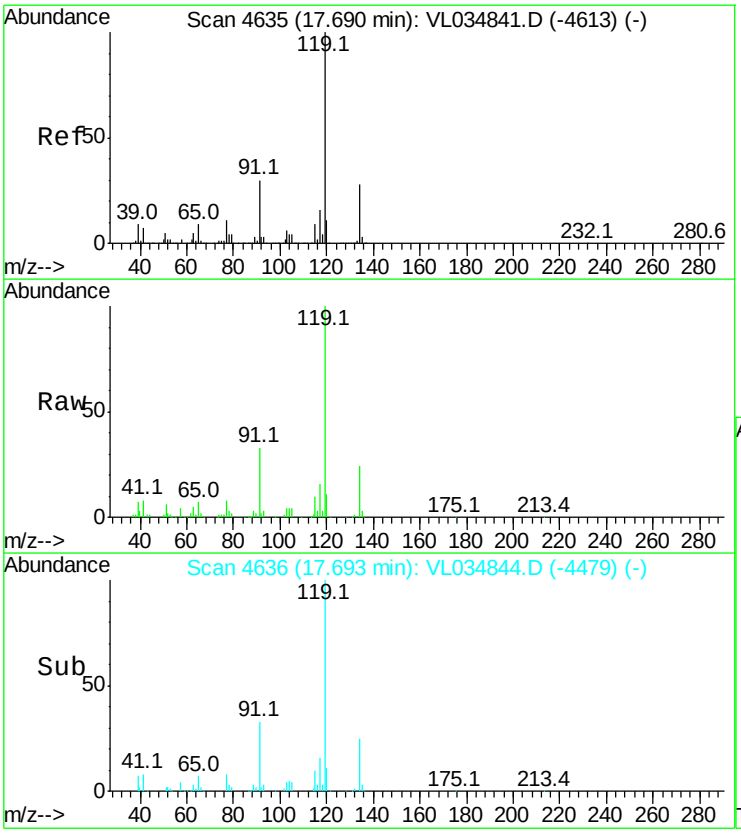
#68
1-Bromo-4-Fluorobenzene
Concen: 9.612 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 95 Resp: 1687867

Ion	Ratio	Lower	Upper
95	100		
174	67.3	55.2	82.8
175	5.3	4.3	6.5

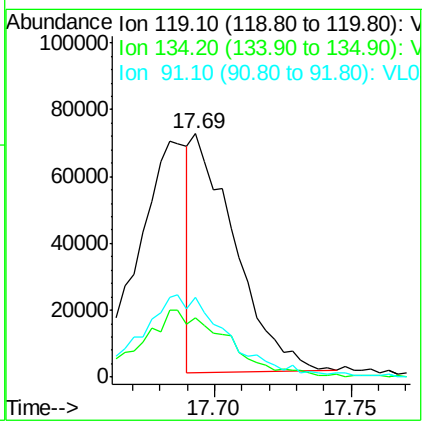


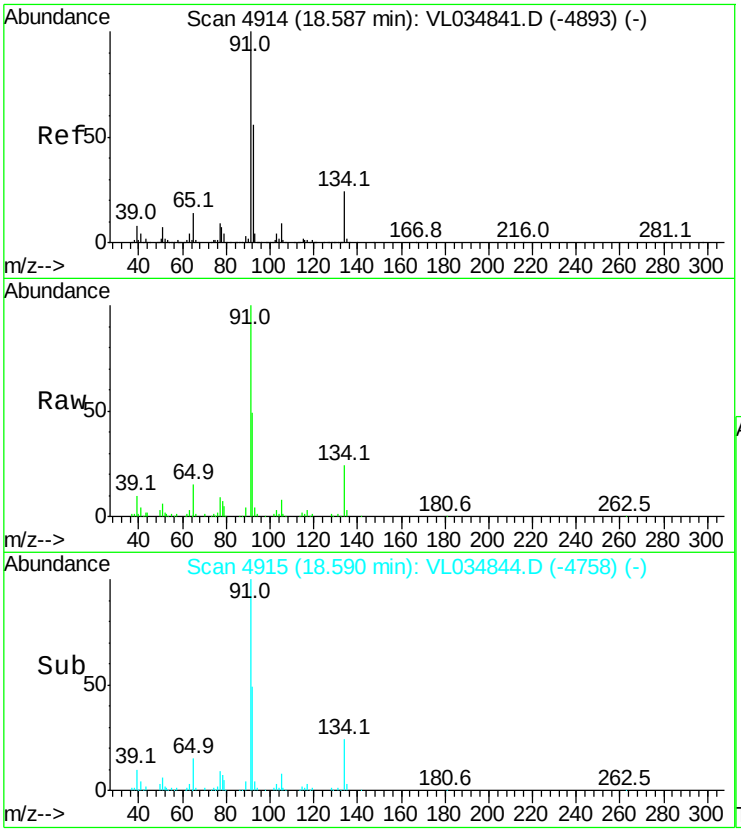


#69
p-Isopropyltoluene
Concen: 0.235 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:119 Resp: 78339

Ion	Ratio	Lower	Upper
119	100		
134	0.0	20.6	30.8#
91	0.0	23.4	35.2#



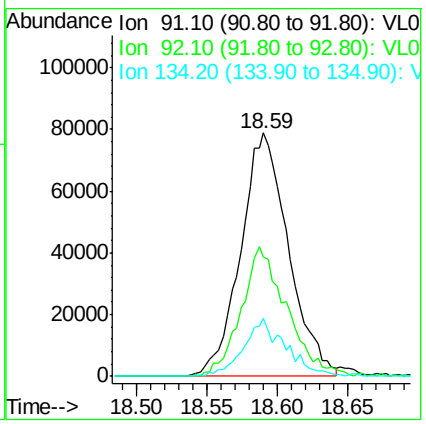


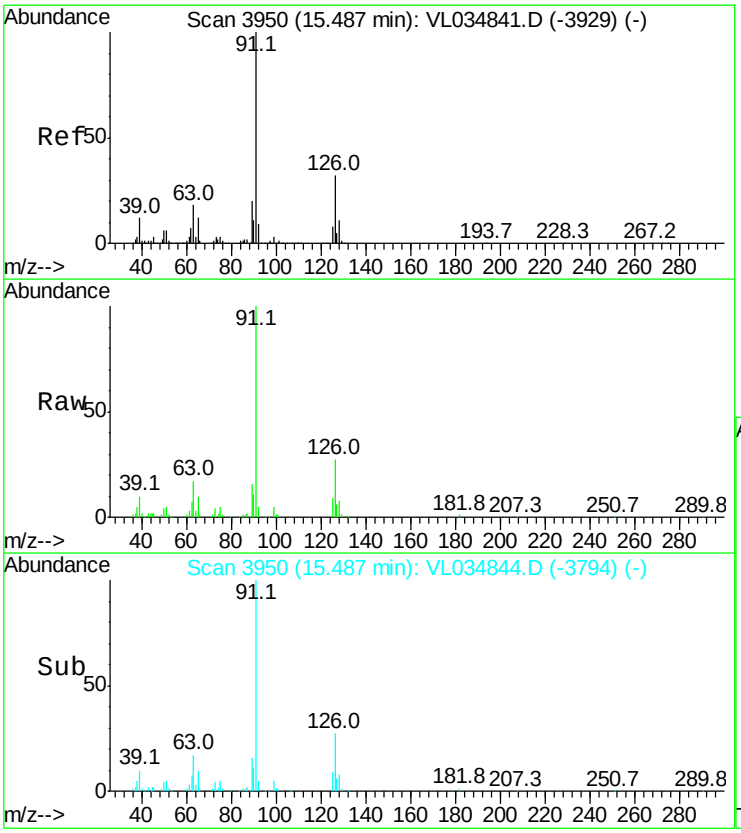
#70
n-Butylbenzene
Concen: 0.512 ppbv
RT: 18.59 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 186556

Ion	Ratio	Lower	Upper
91	100		
92	51.0	43.8	65.6
134	21.1	19.0	28.4

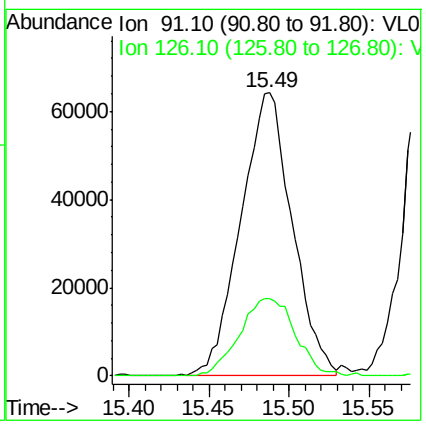


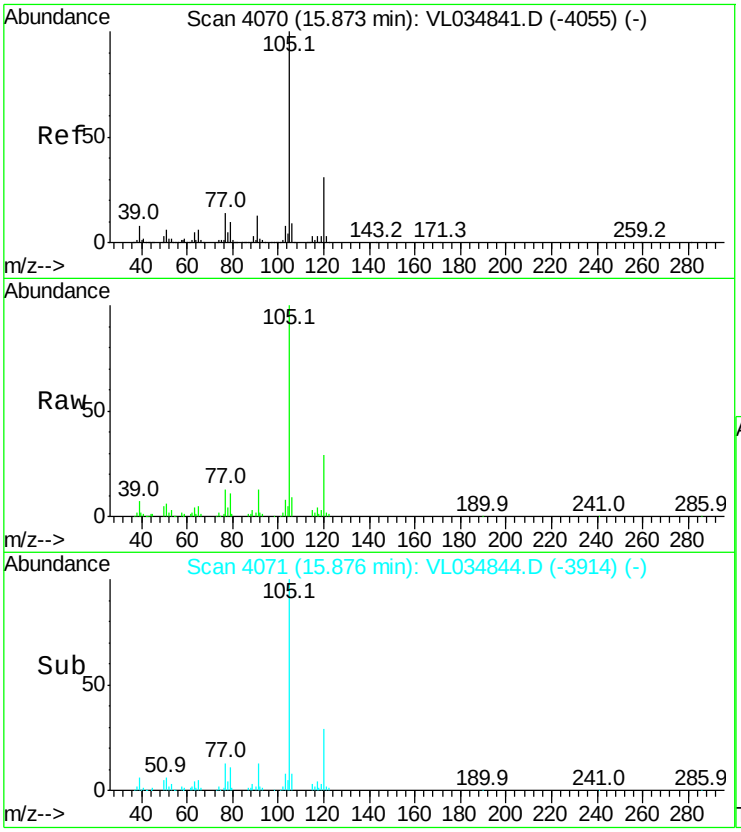


#71
2-Chlorotoluene
Concen: 0.561 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion: 91 Resp: 141709

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.3	49.1



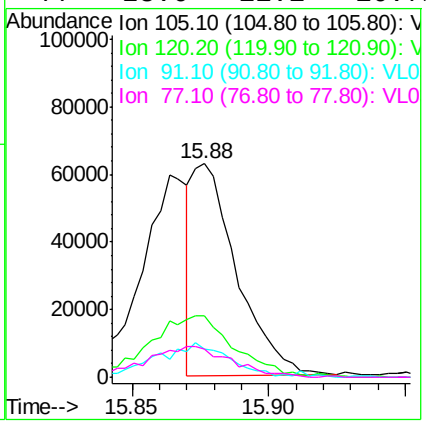


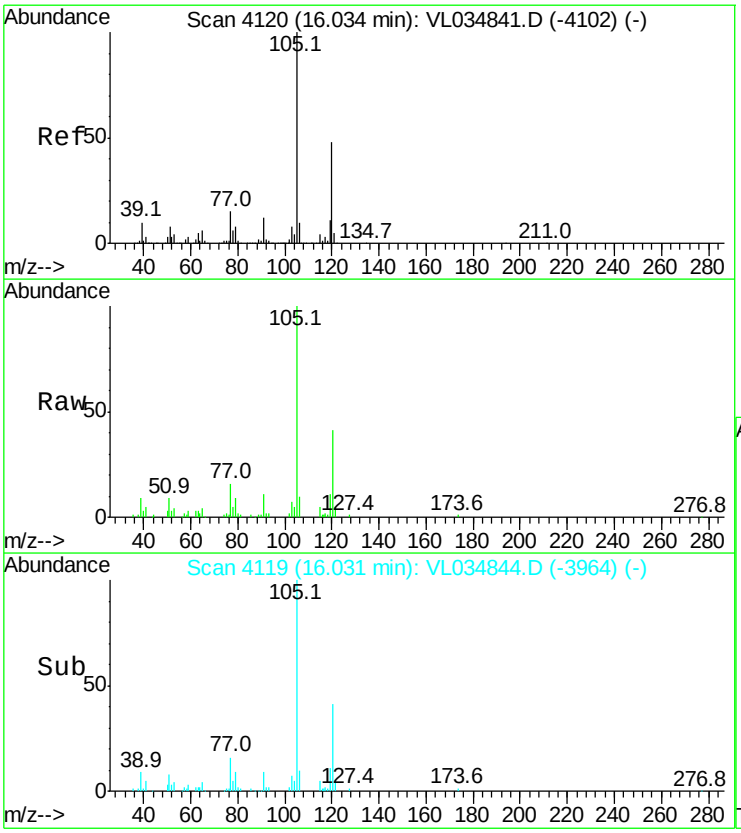
#72
4-Ethyltoluene
Concen: 0.276 ppbv
RT: 15.88 min Scan# 4071
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 69872

Ion	Ratio	Lower	Upper
105	100		
120	56.9	23.7	35.5#
91	29.5	10.5	15.7#
77	28.6	11.1	16.7#

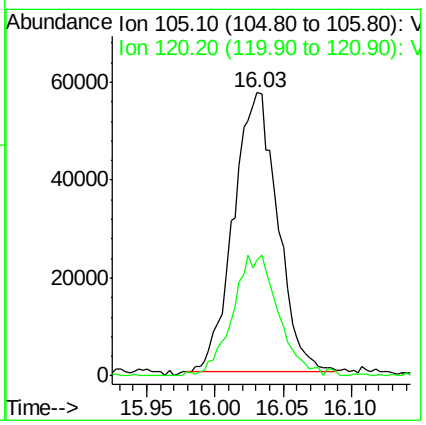


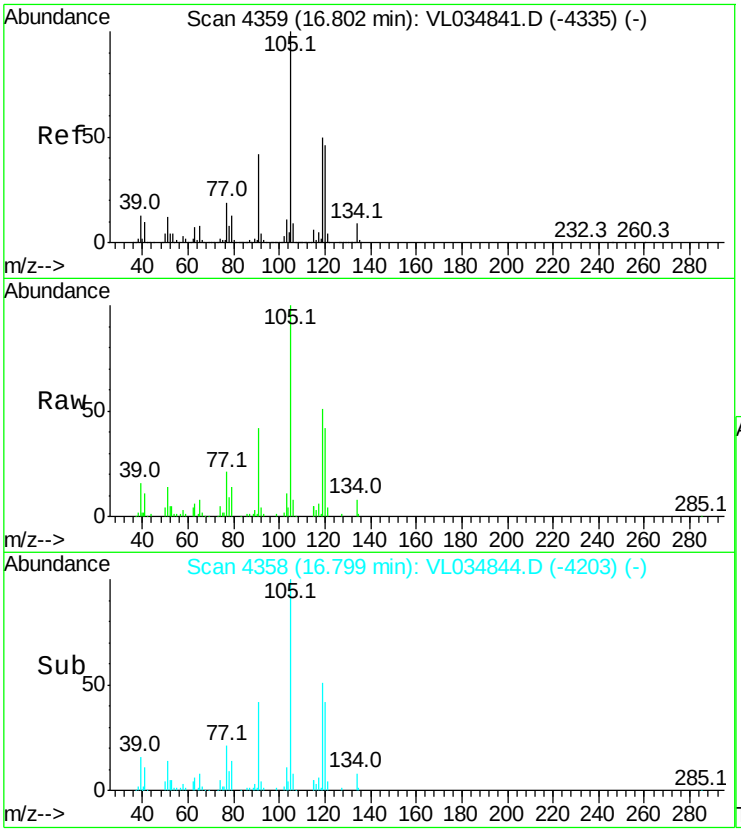


#73
1,3,5-Trimethylbenzene
Concen: 0.529 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:105 Resp: 128302

Ion	Ratio	Lower	Upper
105	100		
120	39.9	38.6	58.0



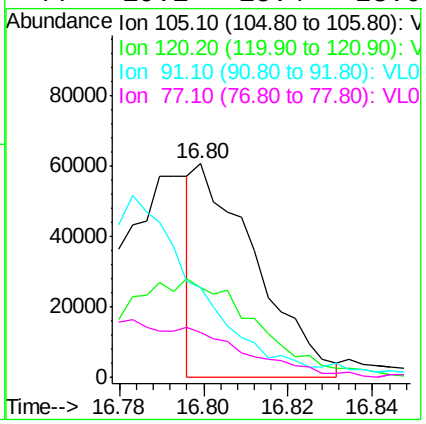


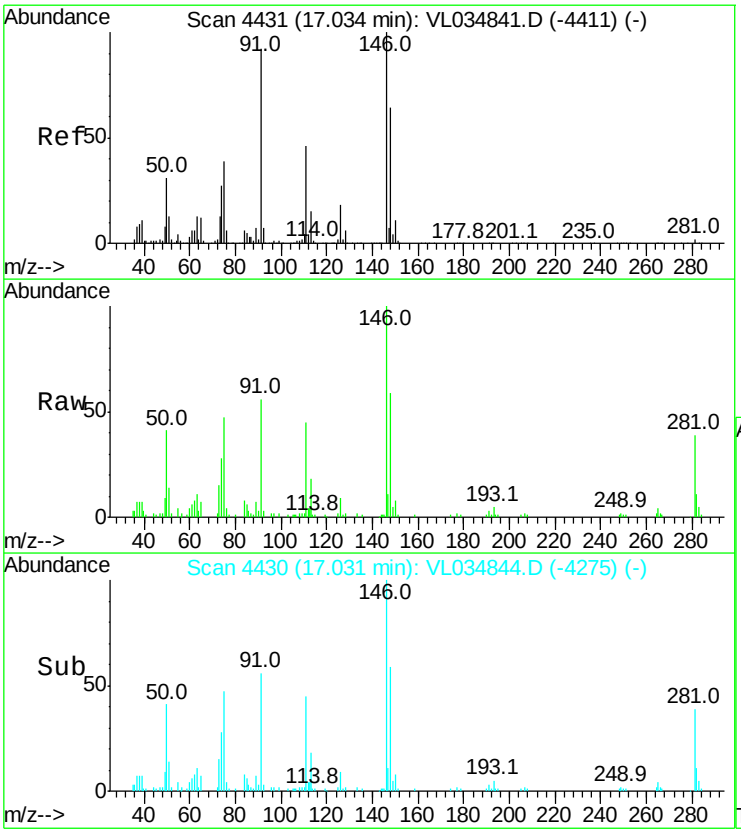
#74
1,2,4-Trimethylbenzene
Concen: 0.229 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 60445

Ion	Ratio	Lower	Upper
105	100		
120	40.3	37.0	55.4
91	37.8	33.8	50.6
77	19.1	15.4	23.0

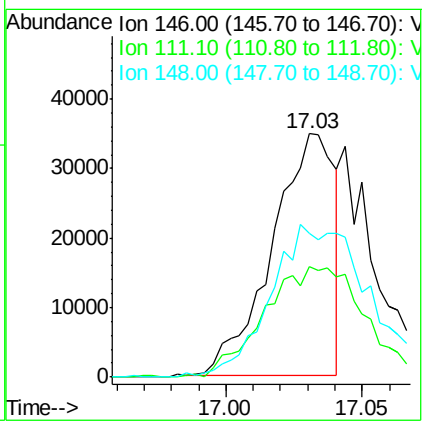


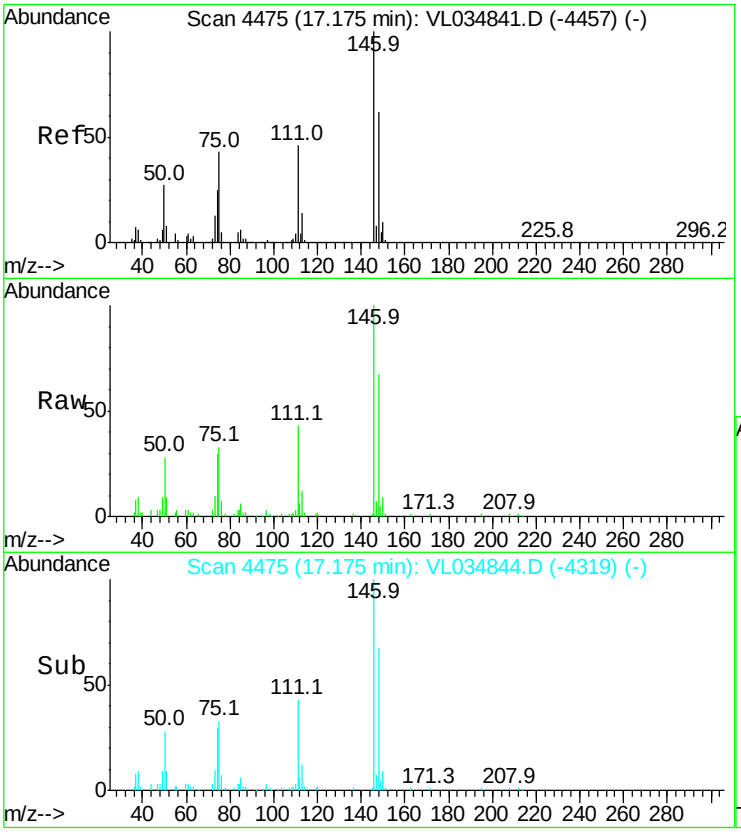


#75
1,3-Dichlorobenzene
Concen: 0.353 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:146 Resp: 55189

Ion	Ratio	Lower	Upper
146	100		
111	75.9	23.9	71.7#
148	100.4	32.5	97.5#



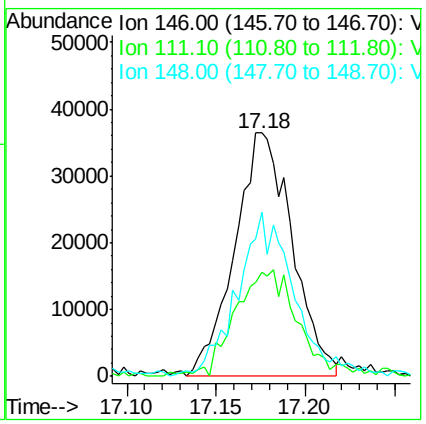


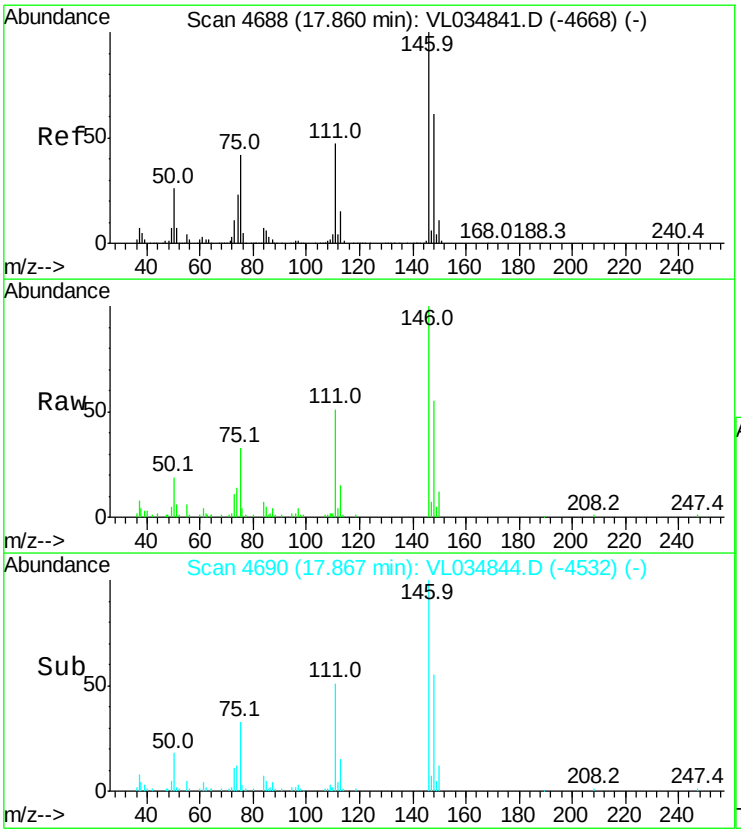
#76
1,4-Dichlorobenzene
Concen: 0.546 ppbv
RT: 17.18 min Scan# 4475
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 81686

Ion	Ratio	Lower	Upper
146	100		
111	49.4	23.4	70.2
148	66.9	32.3	96.9

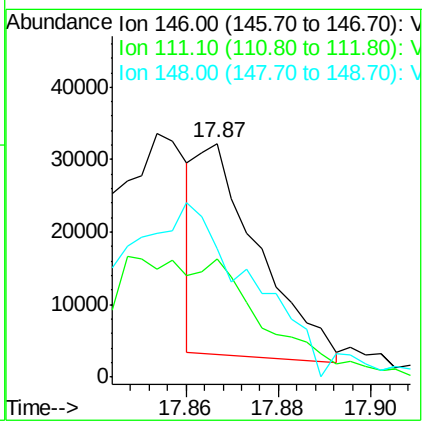


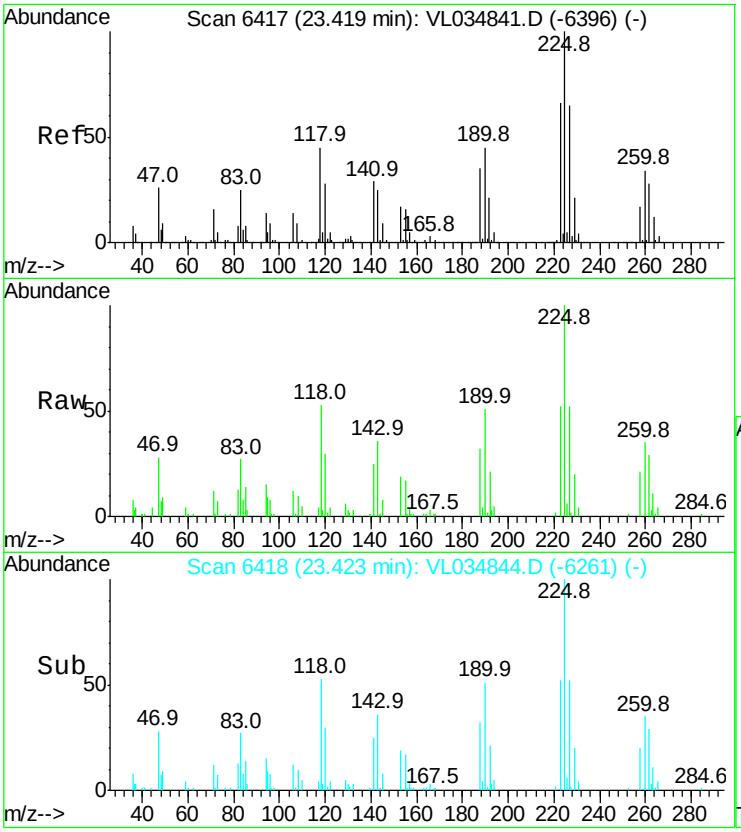


#77
1,2-Dichlorobenzene
Concen: 0.179 ppbv
RT: 17.87 min Scan# 4690
Delta R.T. 0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:146 Resp: 26740

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.8	71.4#
148	0.0	31.6	94.8#



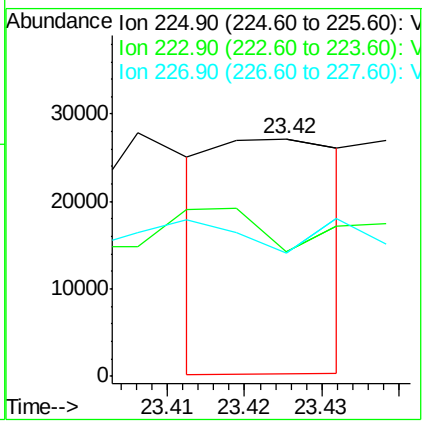


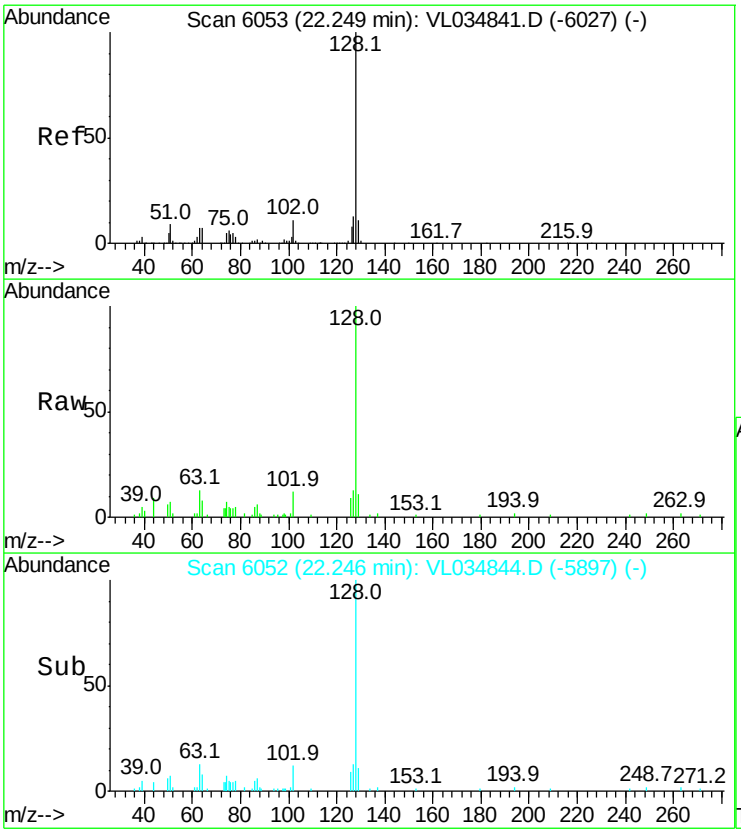
#78
Hexachloro-1,3-Butadiene
Concen: 0.123 ppbv
RT: 23.42 min Scan# 6418
Delta R.T. 0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:225 Resp: 15332

Ion	Ratio	Lower	Upper
225	100		
223	297.7	51.1	76.7#
227	0.0	51.8	77.6#

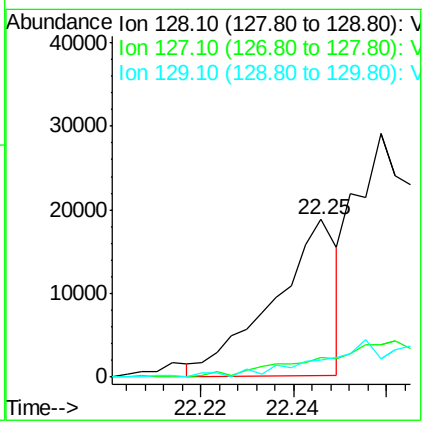


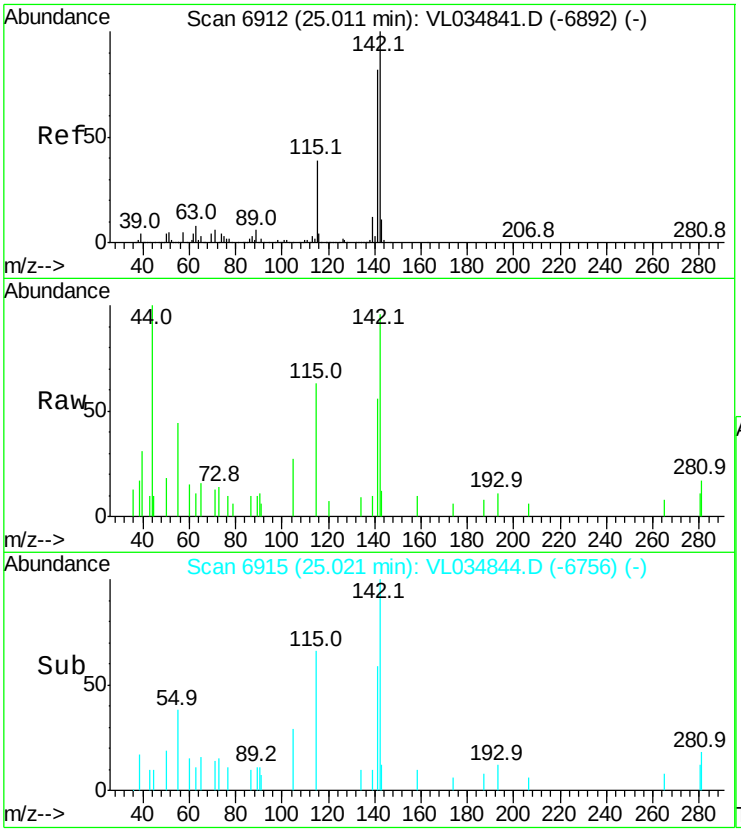


#79
Naphthalene
Concen: 0.089 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:128 Resp: 17744

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.2
129	12.1	8.6	13.0



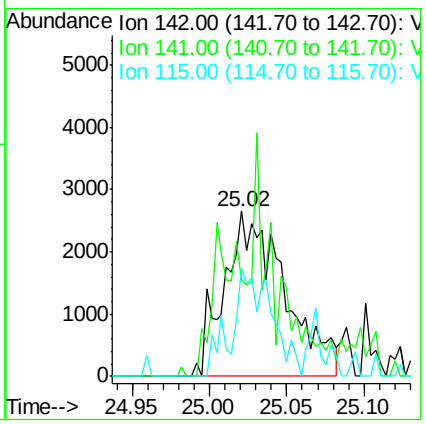


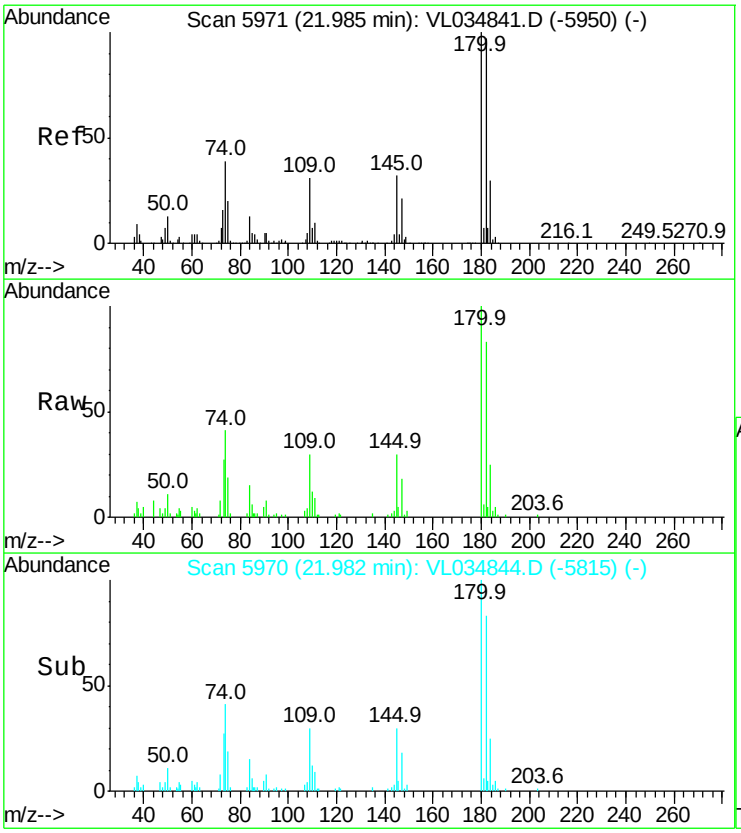
#80
Naphthalene,2-methyl-
Concen: 0.152 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:142 Resp: 7203

Ion	Ratio	Lower	Upper
142	100		
141	107.4	68.9	103.3#
115	55.4	33.2	49.8#





#81
1,2,4-Trichlorobenzene
Concen: 0.230 ppbv
RT: 21.98 min Scan# 5970
Delta R.T. -0.00 min
Lab File: VL034844.D
Acq: 9 Mar 2020 14:13

Tgt Ion:180 Resp: 28807

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.6	115.0#
184	0.0	25.0	37.4#