Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

Quantitation Report (Not Reviewed)

Data File : VL034512.D
Acq On : 30 Dec 2019 12:20
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 30 14:23:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:19:57 2019
QLast Update : Mon Dec 30 14:19:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1075823	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	2143952	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.13	117	2085904	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	1774260	10.11	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	125141	0.643	ppbv		93
3) Chlorodifluoromethane	2.95	51	72271	0.538	ppbv		99
4) Chloromethane	3.11	50	42582	0.538	ppbv		94
5) Vinyl Chloride	3.23	62	36827	0.496	ppbv		99
6) Bromomethane	3.45	94	19867	0.532	ppbv		87
7) Chloroethane	3.53	64	13655	0.507	ppbv		100
8) Dichlorotetrafluoroethane	3.16	85	93947	0.538	ppbv		99
9) Propene	2.97	41	13123	0.220	ppbv	#	15
10) Heptane	8.15	43	59286	0.385	ppbv		100
11) Trichlorofluoromethane	3.93	101	110202	0.569	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	66894	0.520	ppbv		95
13) Ethanol	3.58	45	11350	0.684	ppbv		96
14) Bromoethene	3.72	108	16091	0.308	ppbv	#	9
15) Acetone	3.84	43	94692	0.615	ppbv		98
16) 1,3-Butadiene	3.30	39	28448	0.424	ppbv		98
17) tert-Butyl alcohol	4.29	59	71192	0.550	ppbv		100
18) 1,1-Dichloroethene	4.27	96	16695	0.297	ppbv		91
19) Isopropyl Alcohol	3.97	45	11841	0.120	ppbv	#	37
20) Methylene Chloride	4.33	84	36133	0.661	ppbv		91
21) Allyl Chloride	4.40	41	45648	0.495	ppbv		96
22) trans-1,2-Dichloroethene	4.88	96	28378	0.500	ppbv		85
23) Vinyl Acetate	5.07	43	87405	0.434	ppbv		99
24) 1,1-Dichloroethane	5.01	63	30661	0.198	ppbv		98
25) Ethyl Acetate	5.69	43	125299	0.456	ppbv		99
26) Hexane	5.69	57	51088	0.432	ppbv		88
27) Carbon Disulfide	4.54	76	59921	0.466	ppbv		95
28) Methyl tert-Butyl Ether	5.04	73	80455	0.411	ppbv		95
29) Chloroform	5.75	83	93604	0.489	ppbv		98
30) Cyclohexane	7.14	84	8912	0.100	ppbv	#	1
31) cis-1,2-Dichloroethene	5.55	61	46108	0.378	ppbv		98
32) 1,1,1-Trichloroethane	6.52	97	96471	0.538	ppbv		95
34) 2-Butanone	5.25	43	74918	0.425	ppbv		97
35) Carbon Tetrachloride	7.04	117	92870	0.504	ppbv		86
36) Benzene	6.90	78	89252	0.416	ppbv		97
37) 1,2-Dichloroethane	6.32	62	78055	0.490	ppbv		100
38) Trichloroethene	7.86	130	13981	0.159	ppbv	#	62
39) 1,2-Dichloropropane	7.63	63	35122	0.425	ppbv	#	85
41) Tetrahydrofuran	6.07	42	32525	0.329	ppbv		98
42) Bromodichloromethane	7.81	83	61059	0.307	ppbv	#	99
43) Methyl Methacrylate	8.04	69	32770	0.369	ppbv		93
44) 2,2,4-Trimethylpentane	7.89	57	173415	0.443	ppbv		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

Quantitation Report (Not Reviewed)

Data File : VL034512.D
Acq On : 30 Dec 2019 12:20
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 30 14:23:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:19:57 2019
QLast Update : Mon Dec 30 14:19:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.31	75	25740	0.226	ppbv		100
46) cis-1,3-Dichloropropene	8.73	75	25880	0.202	ppbv		90
47) 1,1,2-Trichloroethane	9.50	97	16503	0.180	ppbv		90
48) Dibromochloromethane	10.34	129	64468	0.409	ppbv		92
49) Bromoform	13.09	173	41527	0.295	ppbv	#	51
50) 4-Methyl-2-Pentanone	8.78	43	103620	0.406	ppbv		96
51) 2-Hexanone	10.19	43	70790	0.331	ppbv	#	96
52) Tetrachloroethene	11.27	164	32123	0.346	ppbv		92
53) Toluene	9.84	91	87968	0.361	ppbv		96
54) 1,2-Dibromoethane	10.65	107	45112	0.320	ppbv		92
56) 1,1,1,2-Tetrachloroethane	12.17	131	14432	0.141	ppbv	#	9
57) Chlorobenzene	12.19	112	93203	0.494	ppbv	#	85
58) Ethyl Benzene	12.76	91	126274	0.390	ppbv		100
59) m/p-Xylene	13.04	91	73783	0.264	ppbv	#	32
60) o-Xylene	13.74	91	113207	0.409	ppbv		98
61) Styrene	13.58	104	71105	0.356	ppbv		97
62) Isopropylbenzene	14.72	105	161895	0.442	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.73	83	59307	0.285	ppbv	#	52
64) n-propylbenzene	15.61	120	22442	0.236	ppbv		80
65) tert-Butylbenzene	16.80	119	85962	0.262	ppbv	#	40
66) Benzyl Chloride	17.04	91	28774	0.228	ppbv	#	78
67) sec-Butylbenzene	17.35	105	123237	0.268	ppbv	#	81
69) p-Isopropyltoluene	17.72	119	74417	0.195	ppbv	#	42
70) n-Butylbenzene	18.61	91	172042	0.419	ppbv		93
71) 2-Chlorotoluene	15.51	91	117098	0.401	ppbv		98
72) 4-Ethyltoluene	15.89	105	129216	0.404	ppbv		97
73) 1,3,5-Trimethylbenzene	16.05	105	129077	0.413	ppbv		92
74) 1,2,4-Trimethylbenzene	16.82	105	83756	0.252	ppbv		93
75) 1,3-Dichlorobenzene	17.05	146	53735	0.281	ppbv	#	34
76) 1,4-Dichlorobenzene	17.20	146	81334	0.438	ppbv		98
77) 1,2-Dichlorobenzene	17.88	146	60750	0.329	ppbv	#	47
78) Hexachloro-1,3-Butadiene	23.44	225	48738	0.307	ppbv	#	43
79) Naphthalene	22.29	128	44537	0.155	ppbv	#	89
80) Naphthalene,2-methyl-	25.03	142	12192	0.094	ppbv		92
81) 1,2,4-Trichlorobenzene	22.00	180	17108	0.097	ppbv	#	1

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

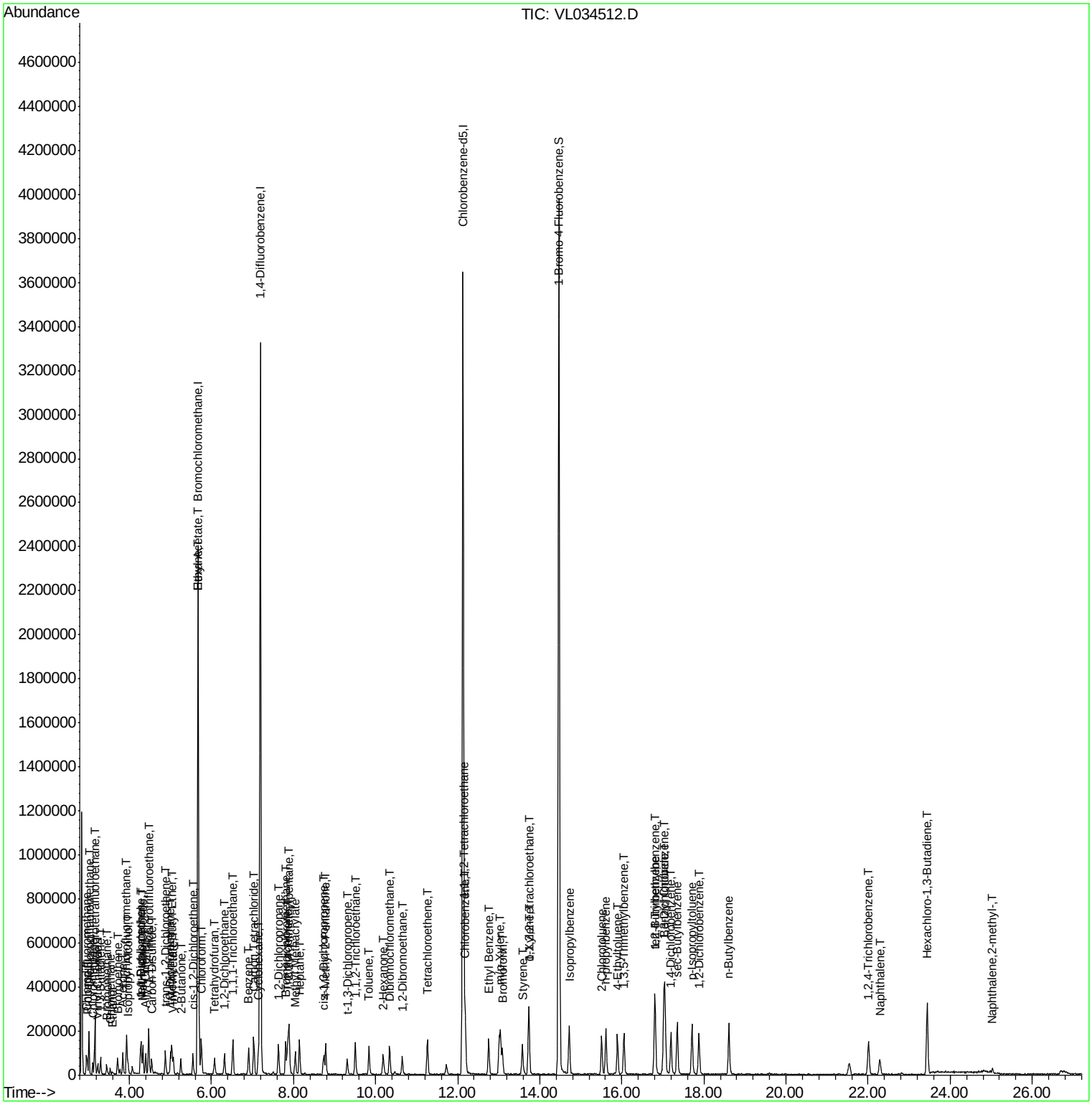
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

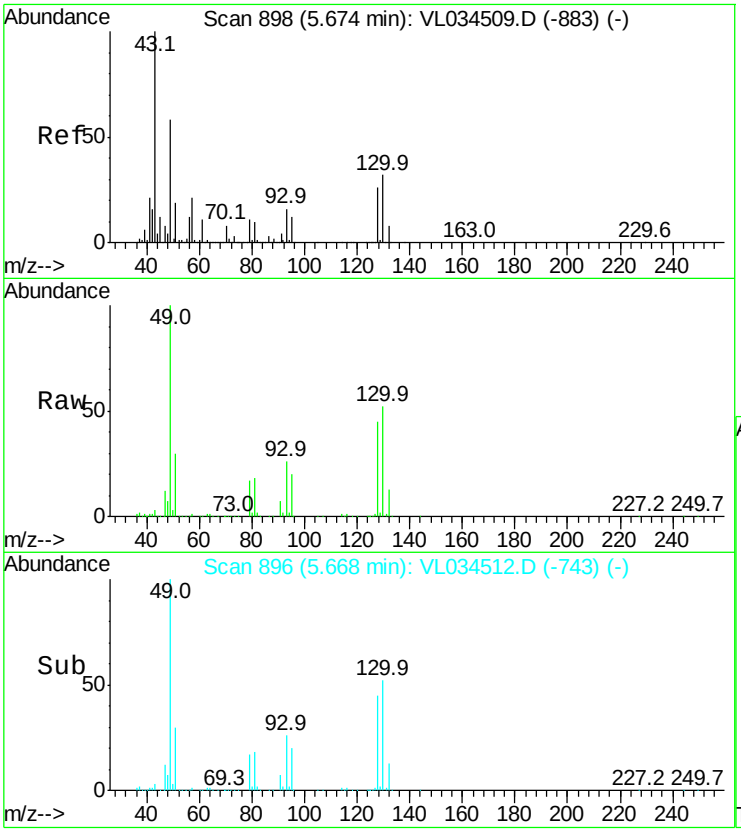
Quantitation Report (Not Reviewed)

Data File : VL034512.D
Acq On : 30 Dec 2019 12:20
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 30 14:23:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 30 14:19:57 2019
QLast Update : Mon Dec 30 14:19:57 2019
Response via : Initial Calibration



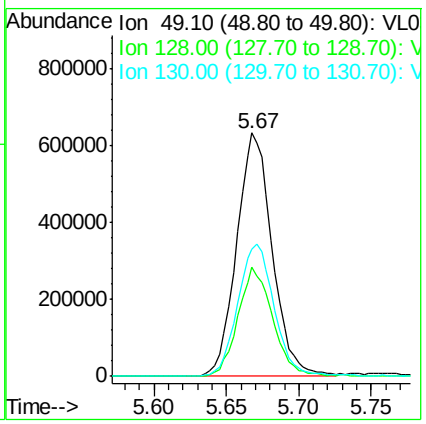


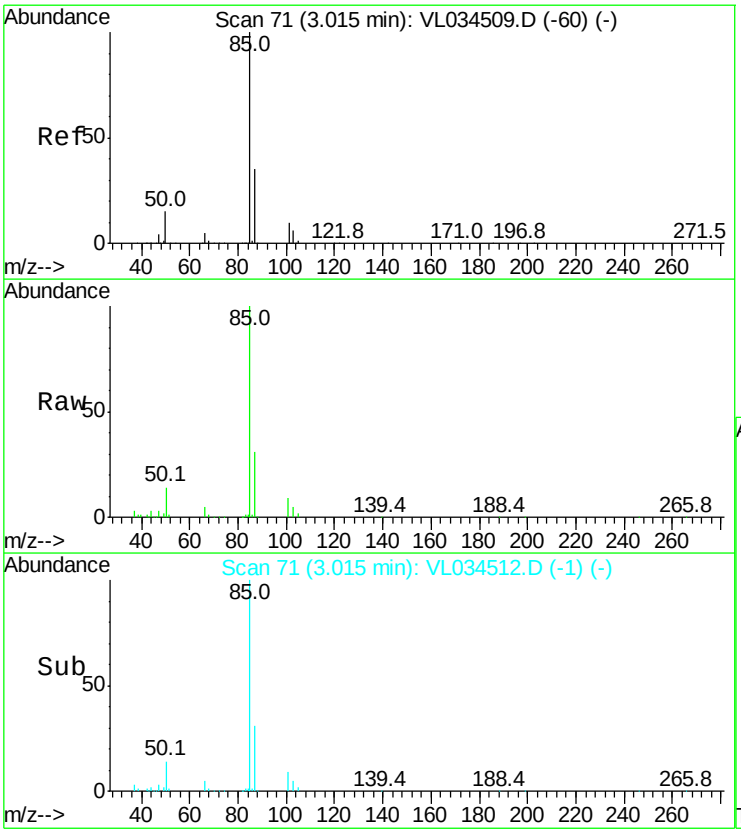
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 1075823

Ion	Ratio	Lower	Upper
49	100		
128	43.9	22.4	67.2
130	55.7	28.3	85.0

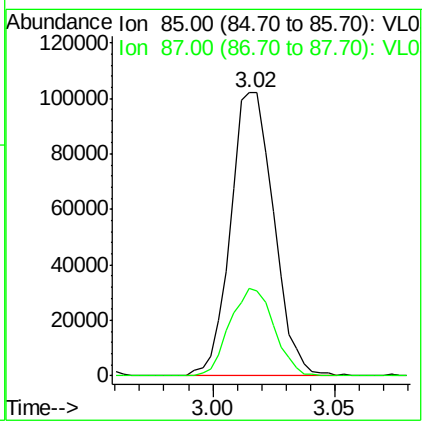


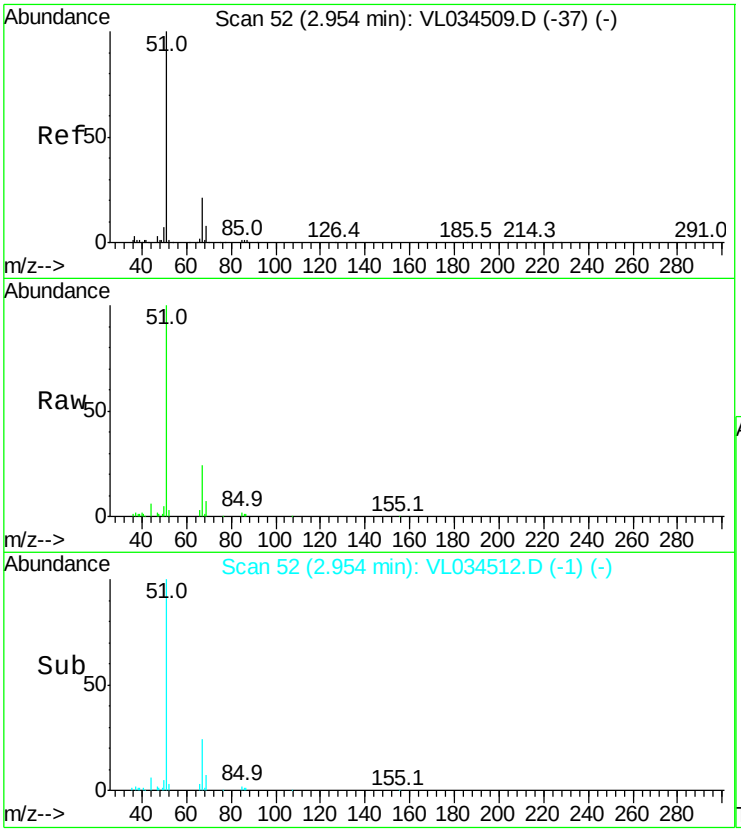


#2
Dichlorodifluoromethane
Concen: 0.643 ppbv
RT: 3.02 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 85 Resp: 125141

Ion	Ratio	Lower	Upper
85	100		
87	30.9	27.9	41.9



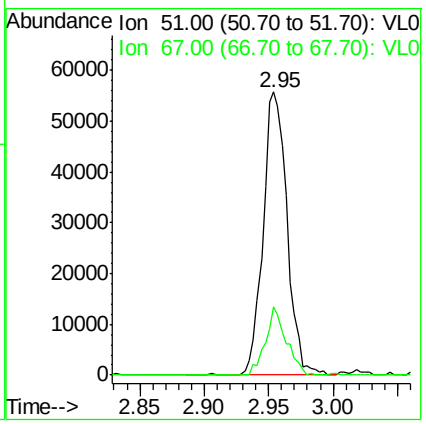


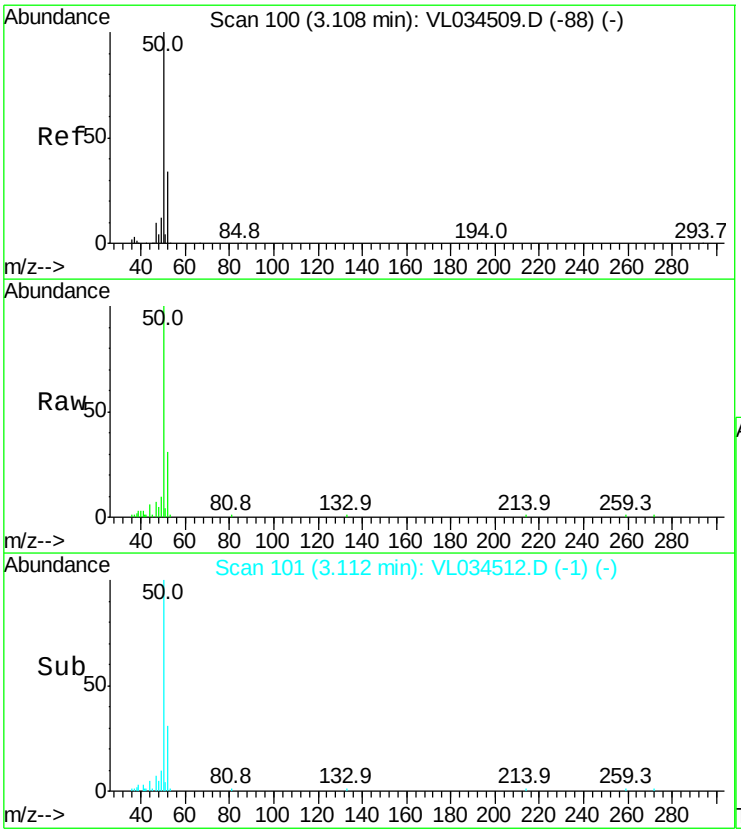
#3
Chlorodifluoromethane
Concen: 0.538 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 72271

Ion	Ratio	Lower	Upper
51	100		
67	20.8	16.8	25.2

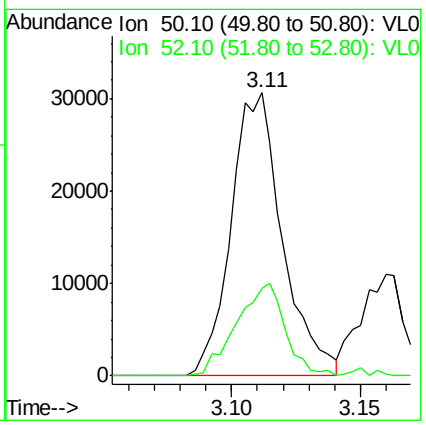


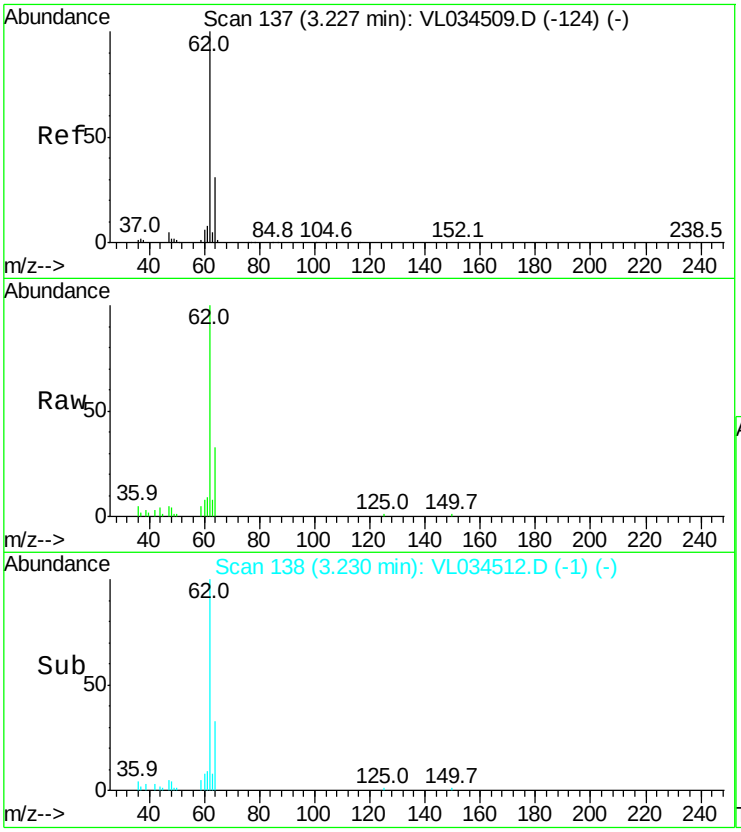


#4
Chloromethane
Concen: 0.538 ppbv
RT: 3.11 min Scan# 101
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 50 Resp: 42582

Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.6	41.4



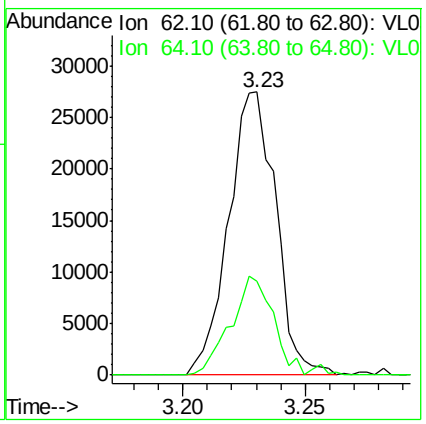


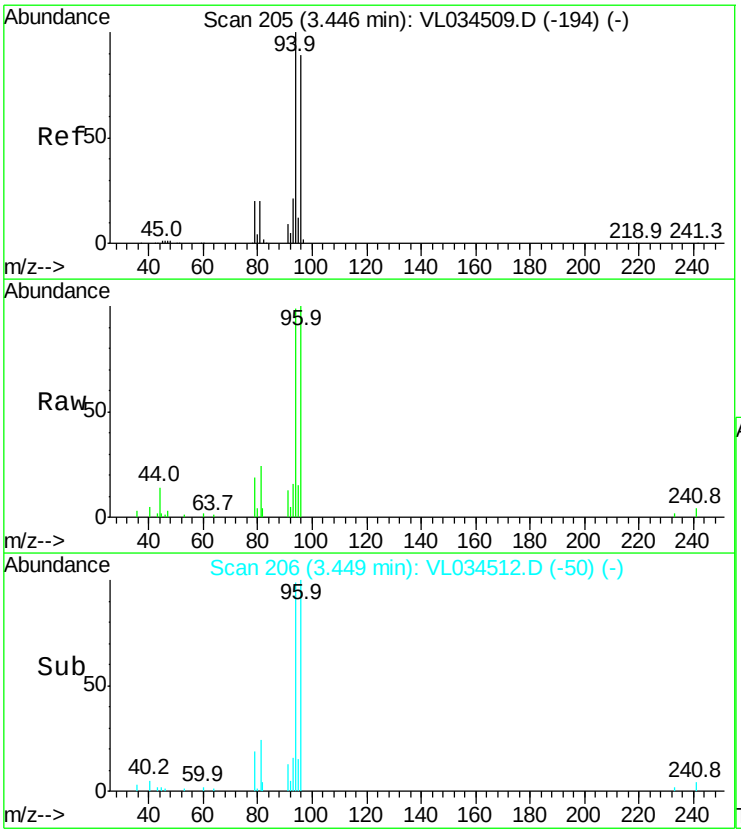
#5
Vinyl Chloride
Concen: 0.496 ppbv
RT: 3.23 min Scan# 138
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 36827

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.9	37.3

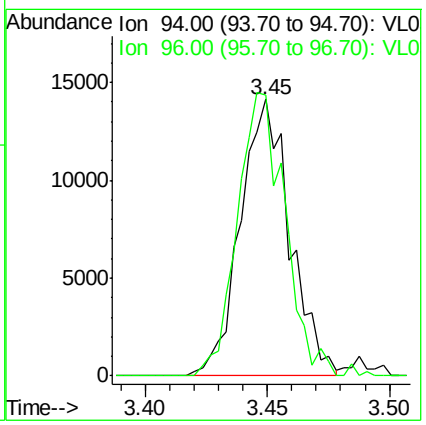


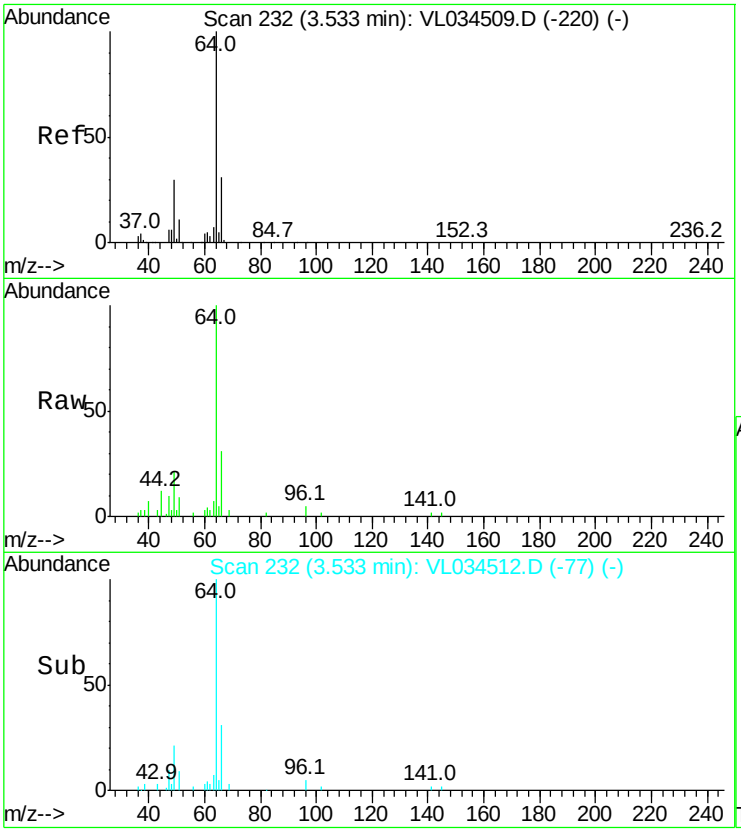


#6
Bromomethane
Concen: 0.532 ppbv
RT: 3.45 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 94 Resp: 19867

Ion	Ratio	Lower	Upper
94	100		
96	101.4	71.2	106.8



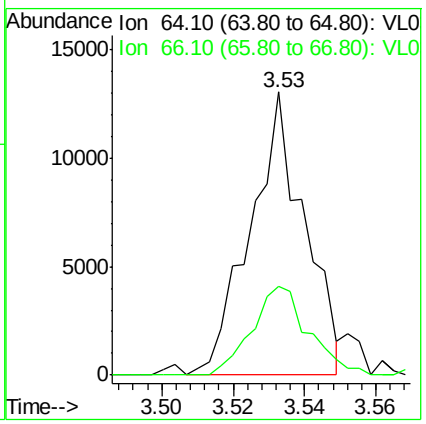


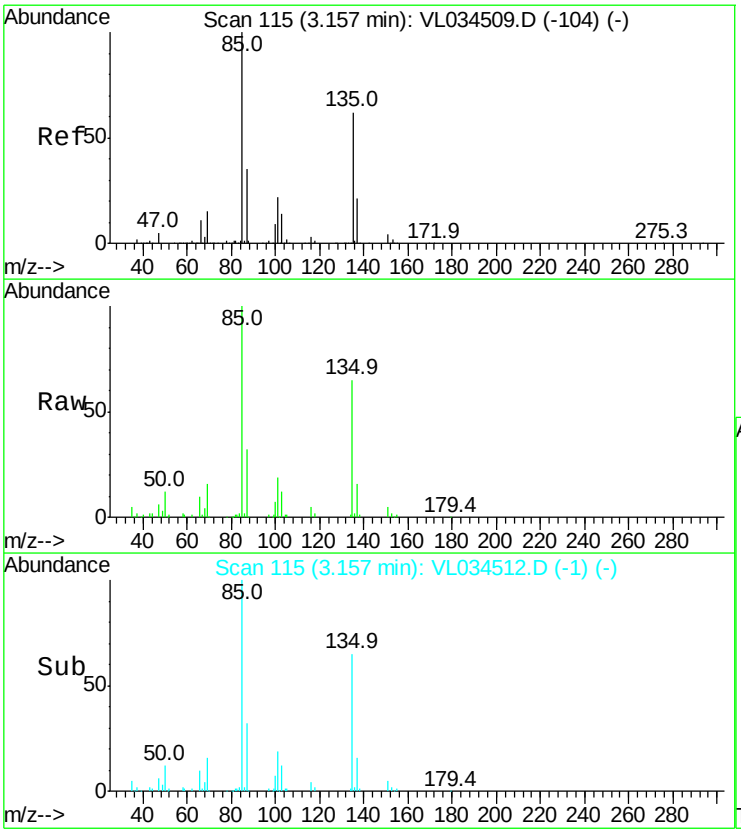
#7
Chloroethane
Concen: 0.507 ppbv
RT: 3.53 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 13655

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.0	37.4

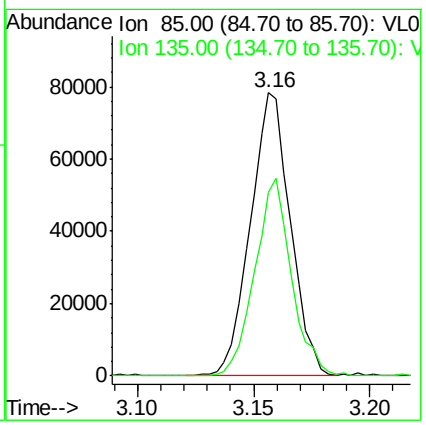


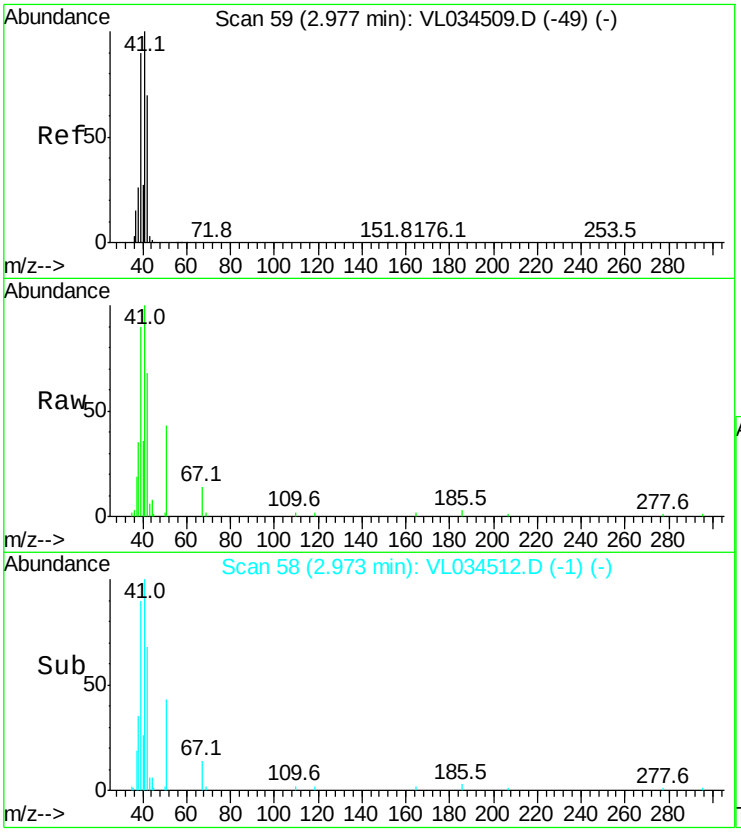


#8
Dichlorotetrafluoroethane
Concen: 0.538 ppbv
RT: 3.16 min Scan# 115
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 85 Resp: 93947

Ion	Ratio	Lower	Upper
85	100		
135	64.1	51.8	77.8



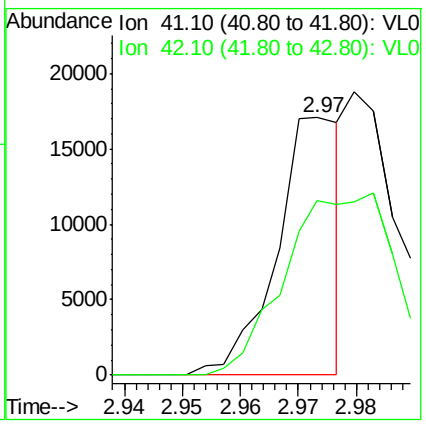


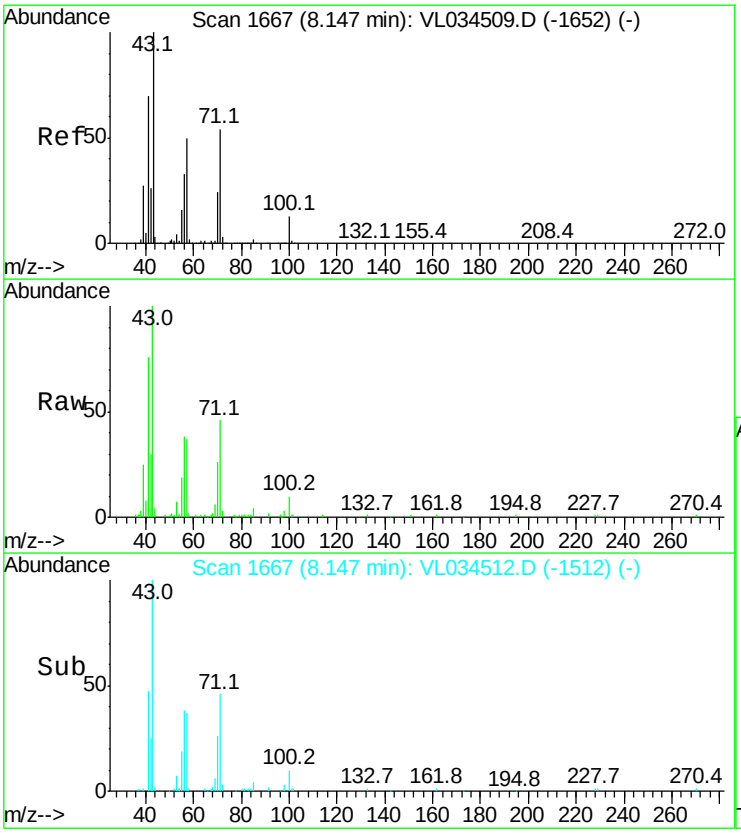
#9
Propene
Concen: 0.220 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 13123

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.8	83.6#

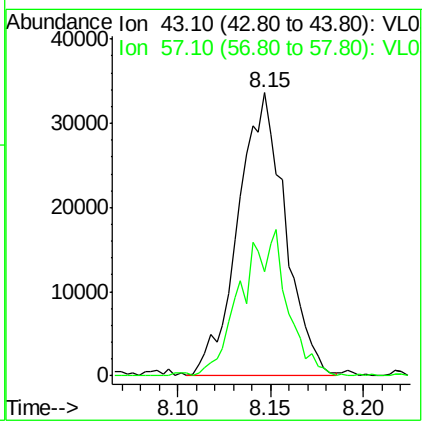


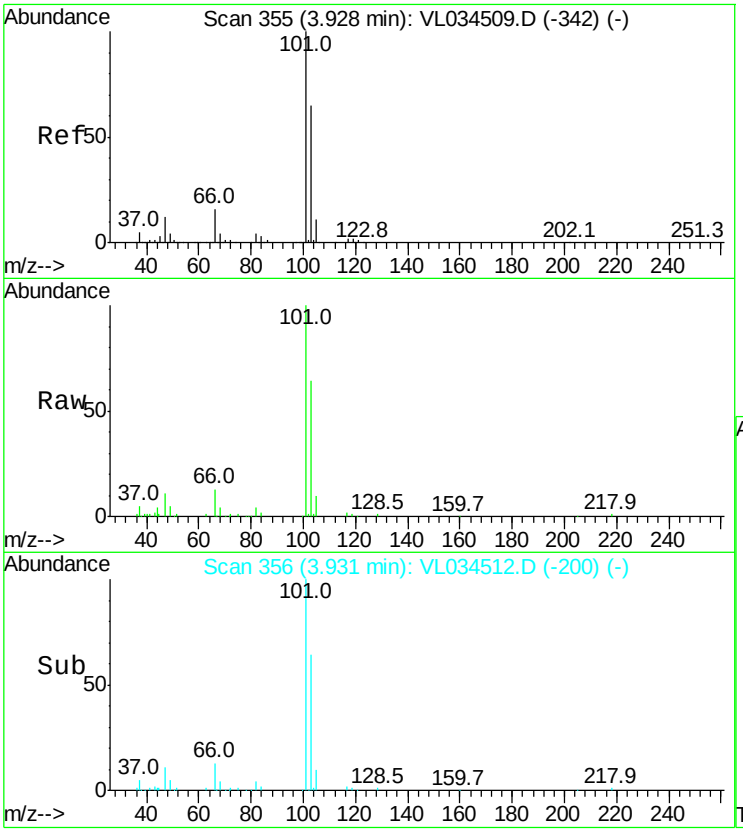


#10
Heptane
Concen: 0.385 ppbv
RT: 8.15 min Scan# 1667
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 43 Resp: 59286

Ion	Ratio	Lower	Upper
43	100		
57	51.2	41.0	61.6



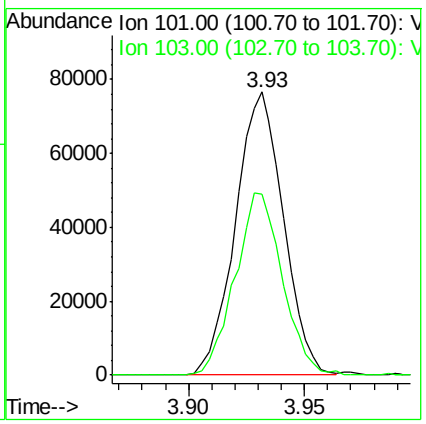


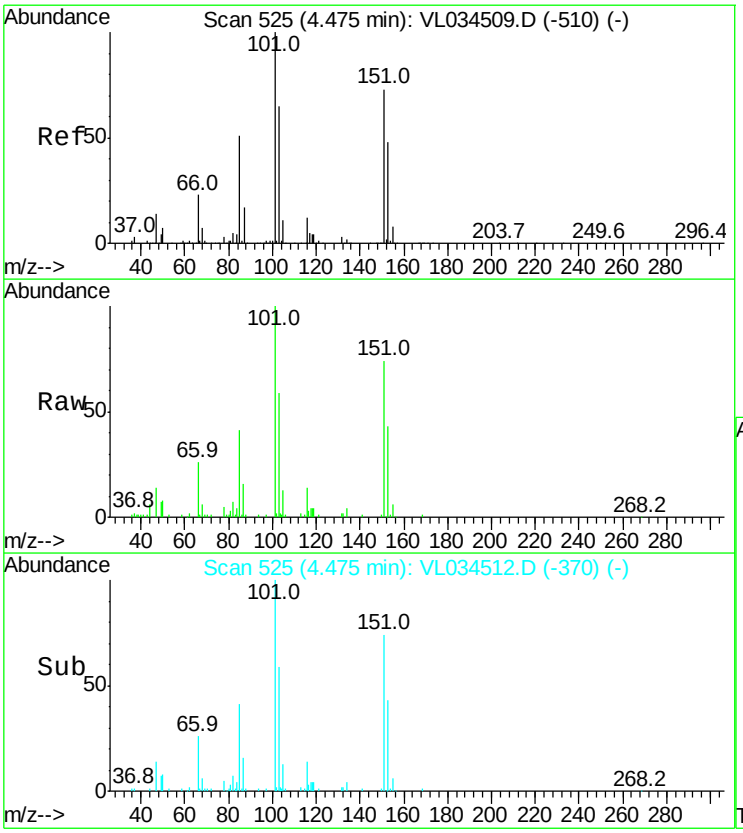
#11
Trichlorofluoromethane
Concen: 0.569 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 110202

Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1

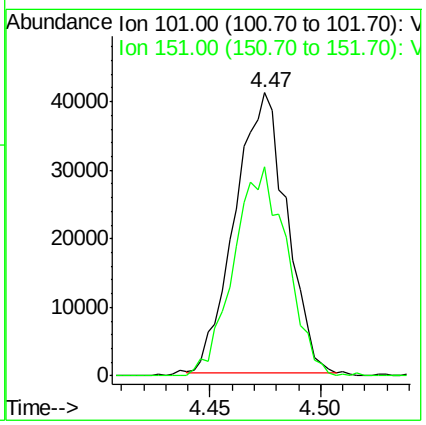


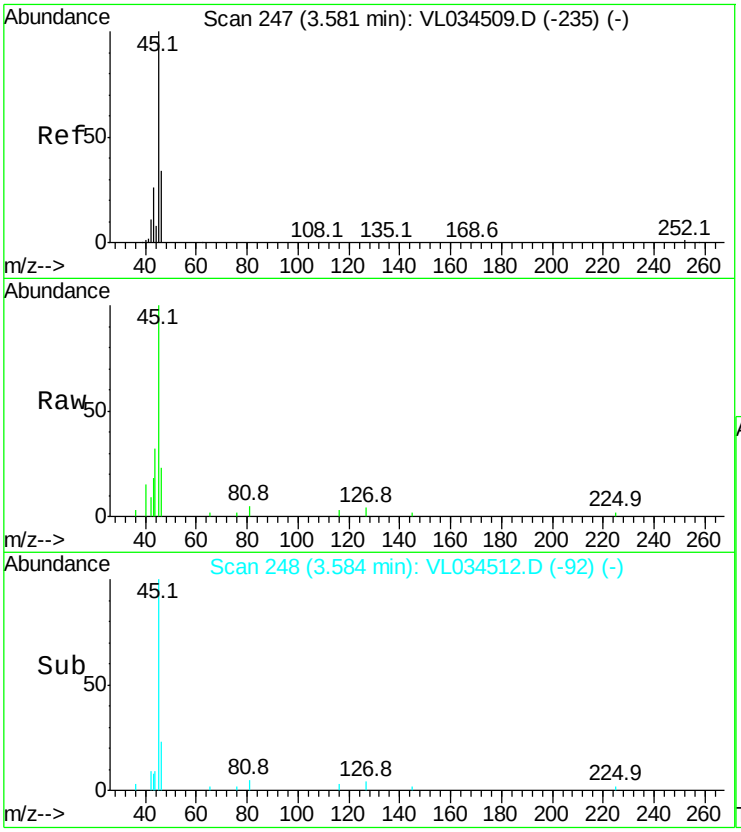


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.520 ppbv
RT: 4.47 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:101 Resp: 66894

Ion	Ratio	Lower	Upper
101	100		
151	76.6	57.8	86.6



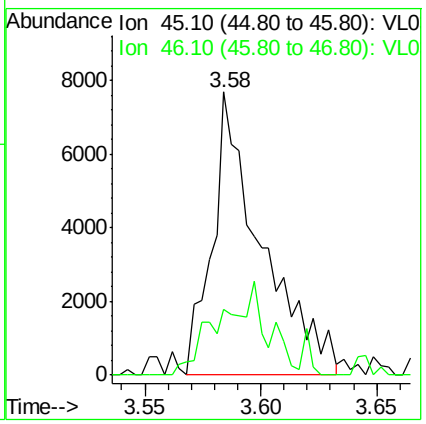


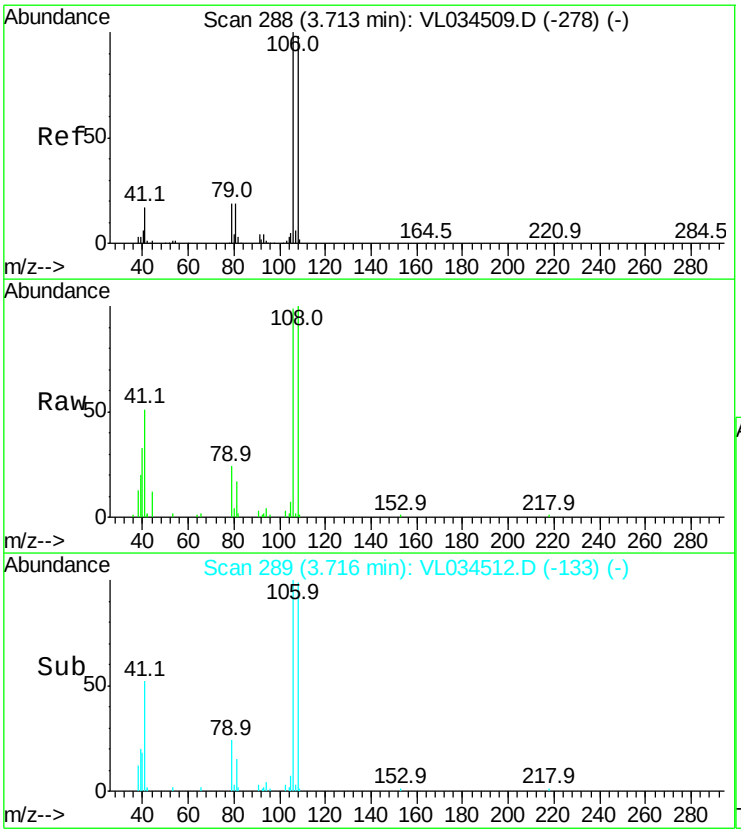
#13
Ethanol
Concen: 0.684 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 11350

Ion	Ratio	Lower	Upper
45	100		
46	34.7	14.9	59.7

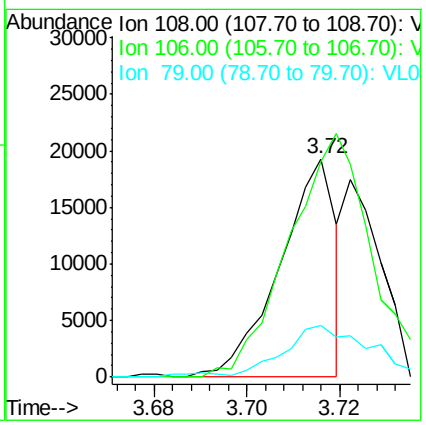


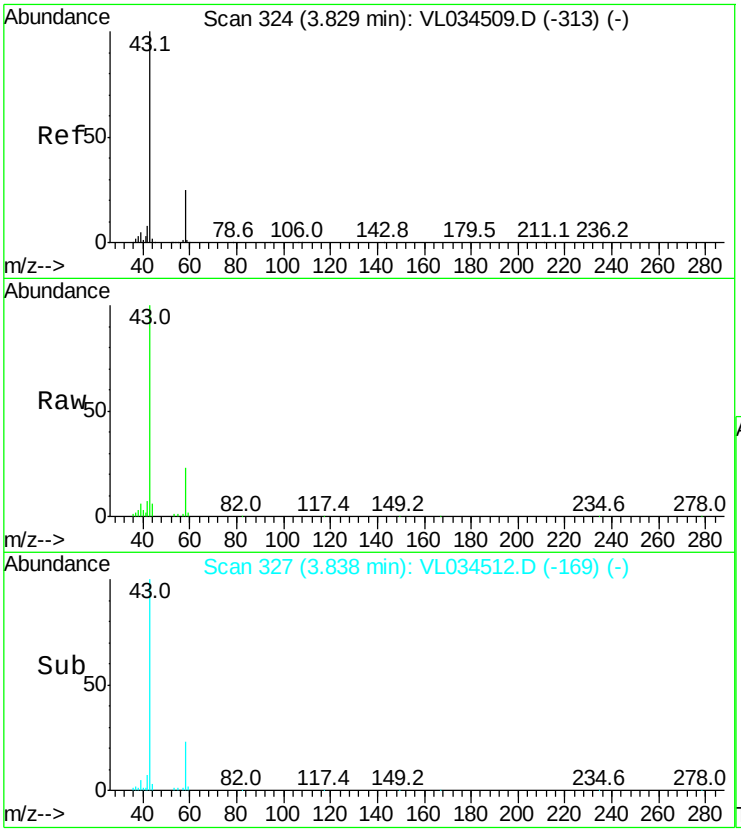


#14
Bromoethene
Concen: 0.308 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:108 Resp: 16091

Ion	Ratio	Lower	Upper
108	100		
106	0.0	85.2	127.8#
79	39.2	17.4	26.2#



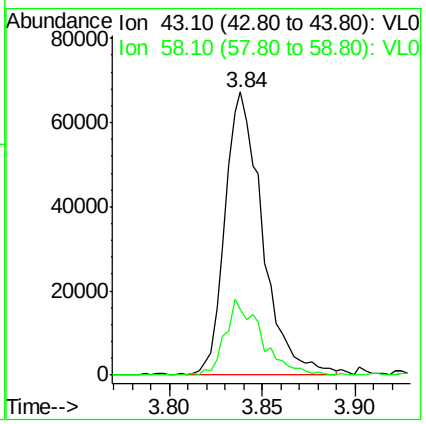


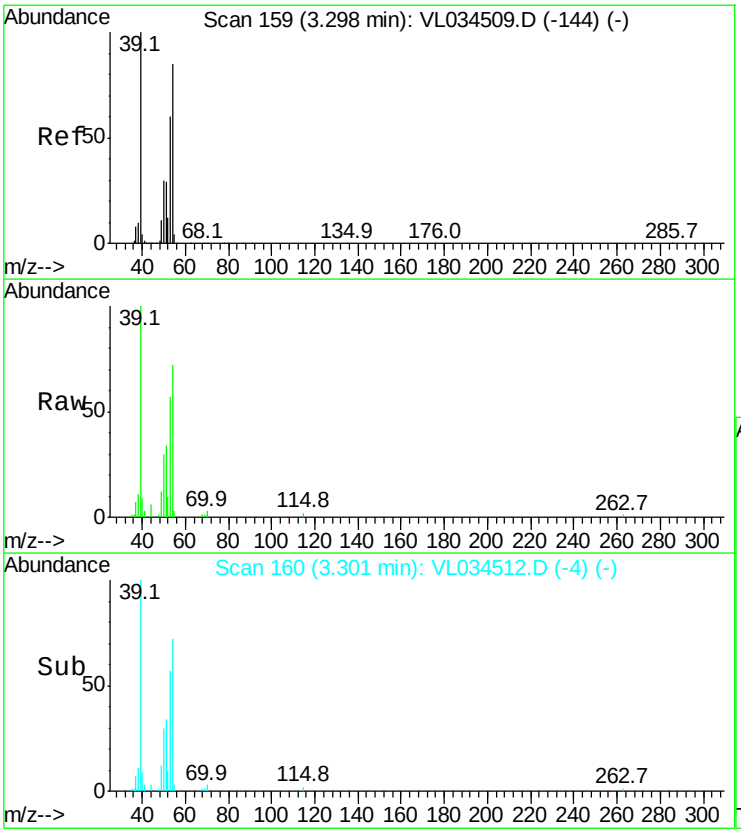
#15
Acetone
Concen: 0.615 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 43 Resp: 94692

Ion	Ratio	Lower	Upper
43	100		
58	26.7	20.4	30.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

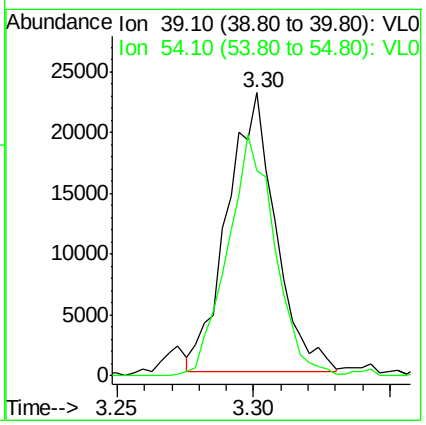


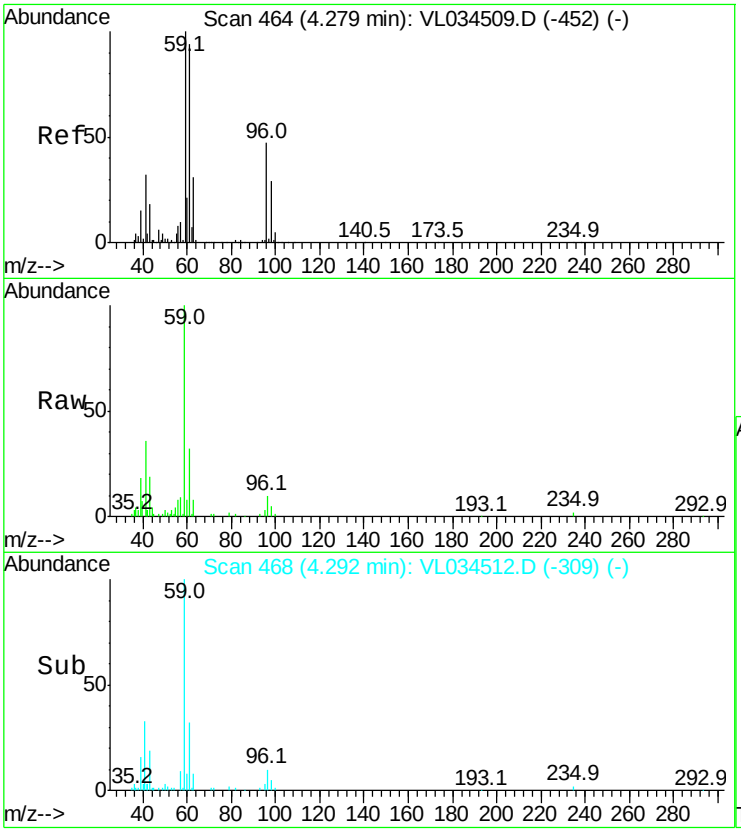


#16
1,3-Butadiene
Concen: 0.424 ppbv
RT: 3.30 min Scan# 160
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 39 Resp: 28448

Ion	Ratio	Lower	Upper
39	100		
54	84.8	66.2	99.2



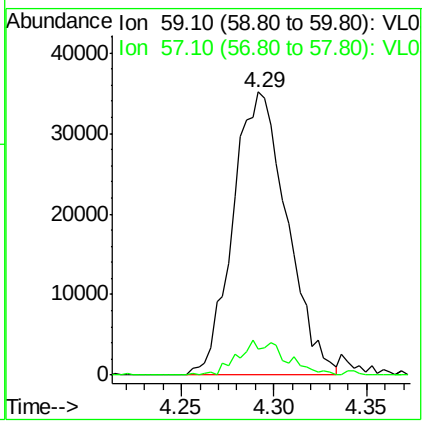


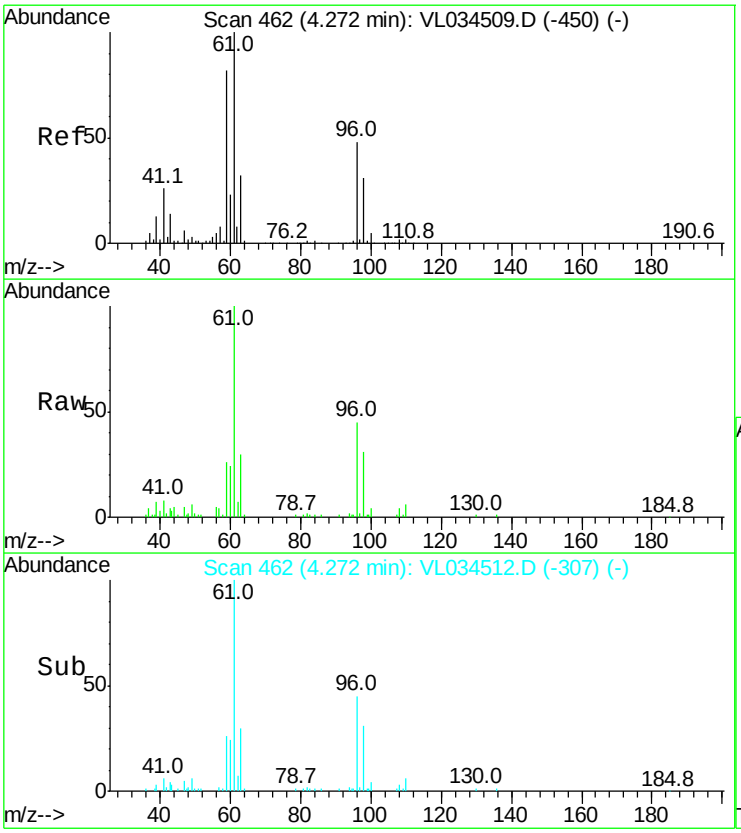
#17
tert-Butyl alcohol
Concen: 0.550 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 59 Resp: 71192

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

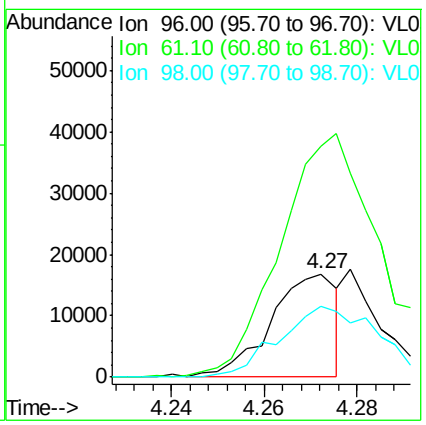


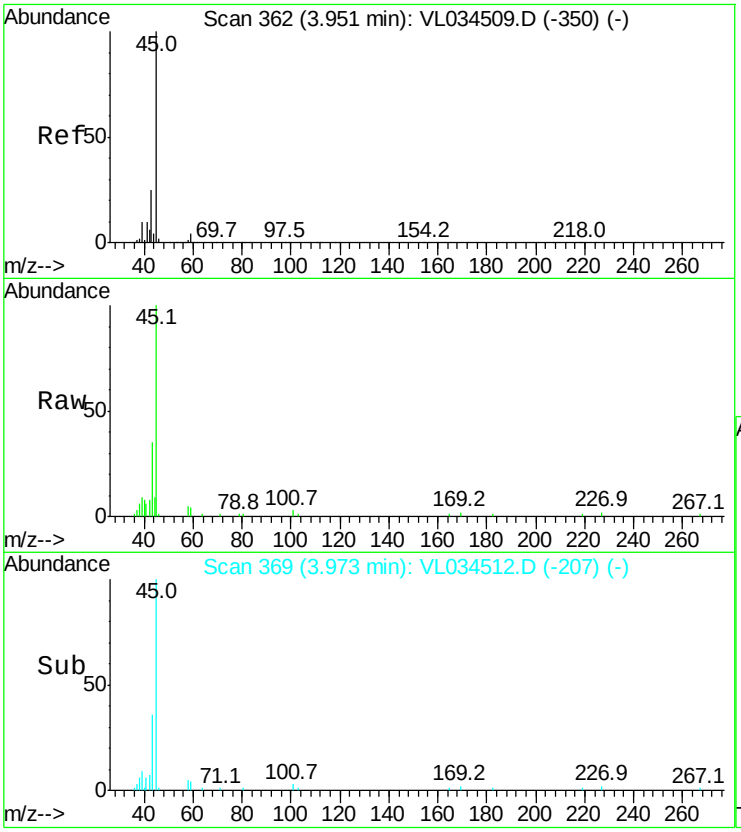


#18
1,1-Dichloroethene
Concen: 0.297 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 96 Resp: 16695

Ion	Ratio	Lower	Upper
96	100		
61	222.4	165.9	248.9
98	68.8	51.9	77.9



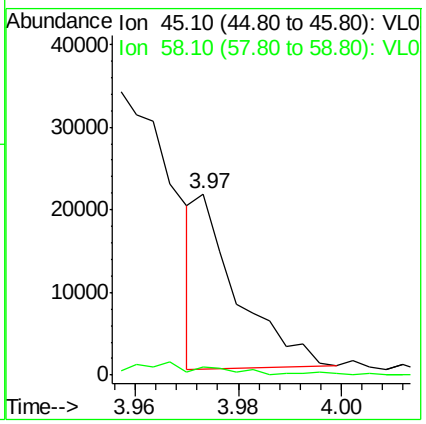


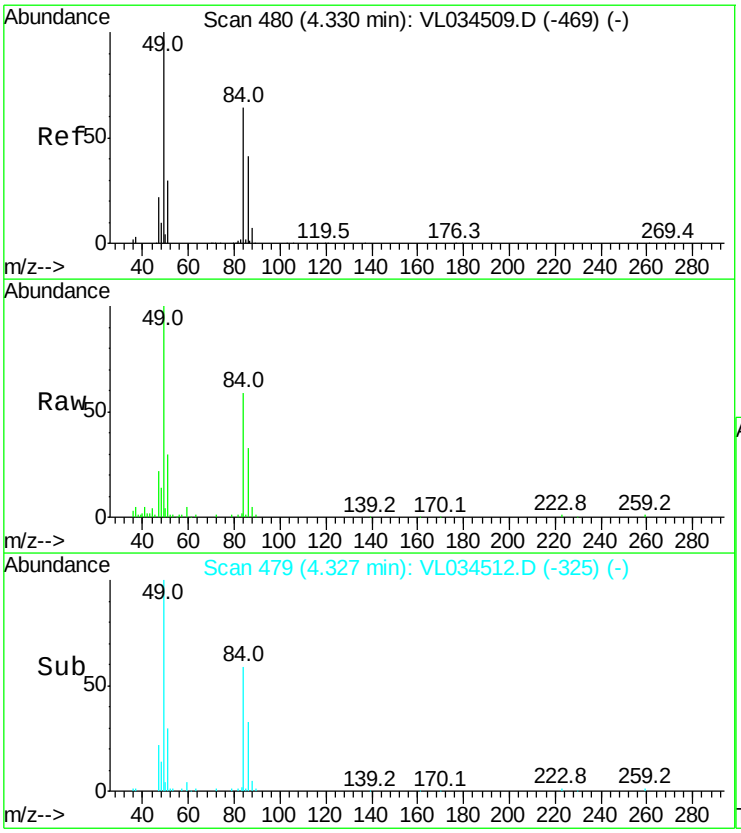
#19
Isopropyl Alcohol
Concen: 0.120 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 11841

Ion	Ratio	Lower	Upper
45	100		
58	24.7	1.4	2.0#

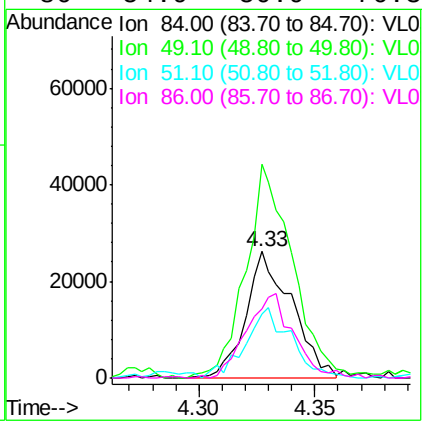


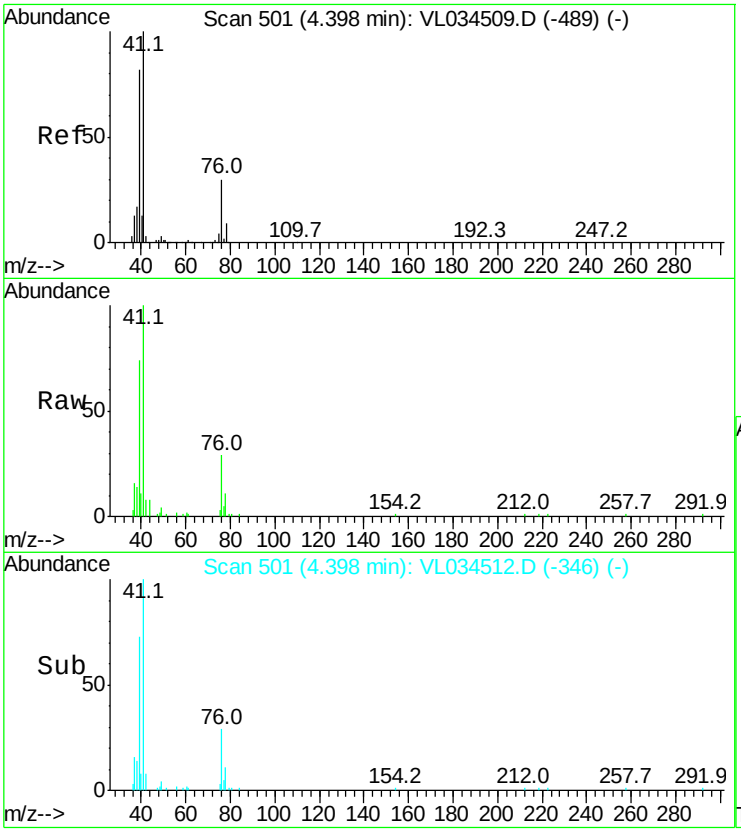


#20
Methylene Chloride
Concen: 0.661 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 84 Resp: 36133

Ion	Ratio	Lower	Upper
84	100		
49	168.9	124.4	186.6
51	47.0	37.0	55.6
86	54.9	50.9	76.3



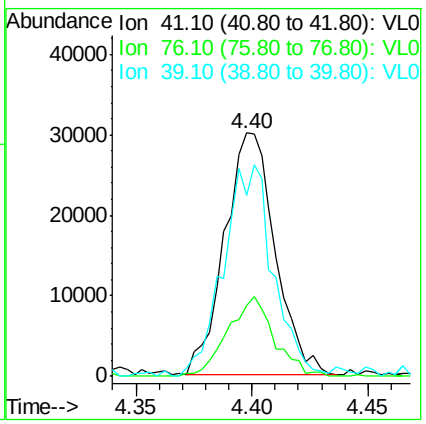


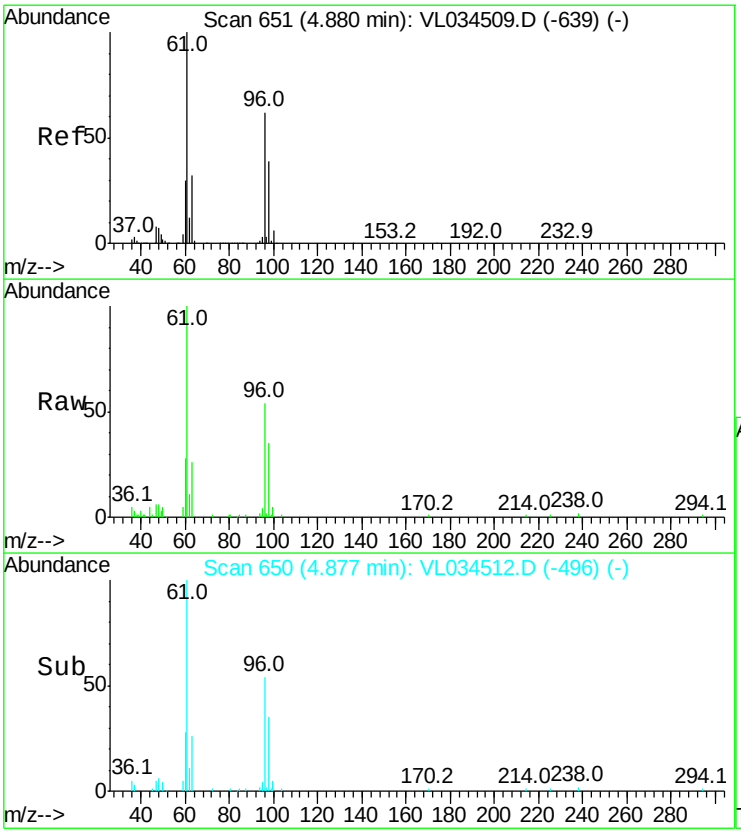
#21
Allyl Chloride
Concen: 0.495 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 45648

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.2	36.4
39	87.0	65.8	98.6

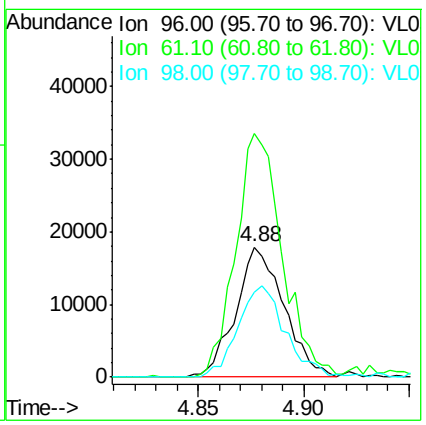


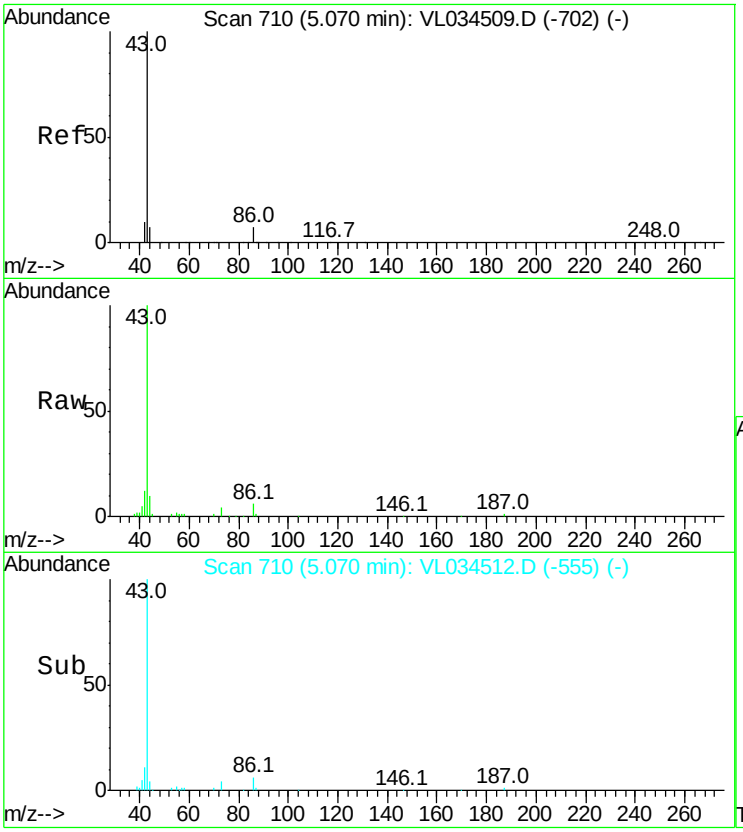


#22
trans-1,2-Dichloroethene
Concen: 0.500 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 96 Resp: 28378

Ion	Ratio	Lower	Upper
96	100		
61	186.8	128.4	192.6
98	65.2	50.6	75.8



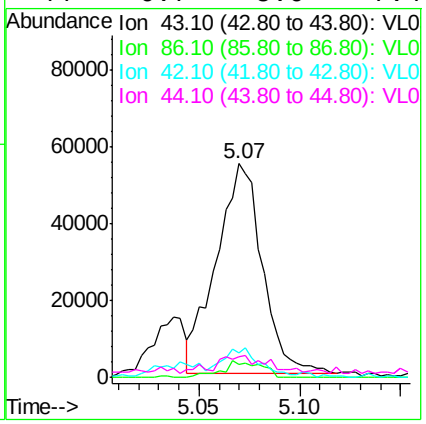


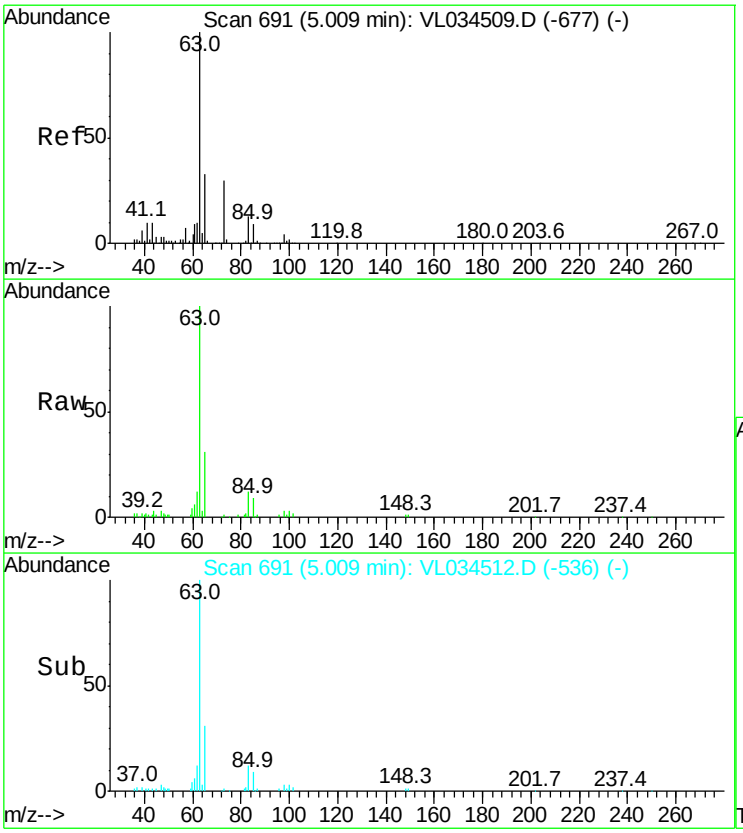
#23
Vinyl Acetate
Concen: 0.434 ppbv
RT: 5.07 min Scan# 710
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 87405

Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.4	8.2
42	11.3	8.9	13.3
44	6.7	5.0	7.4

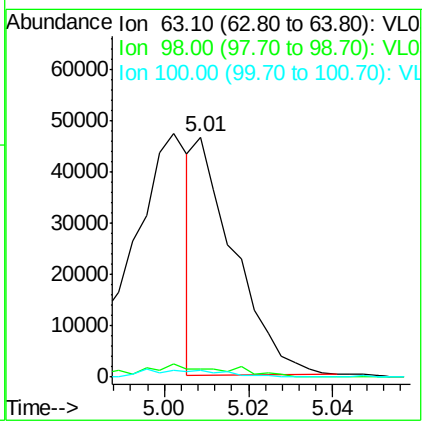


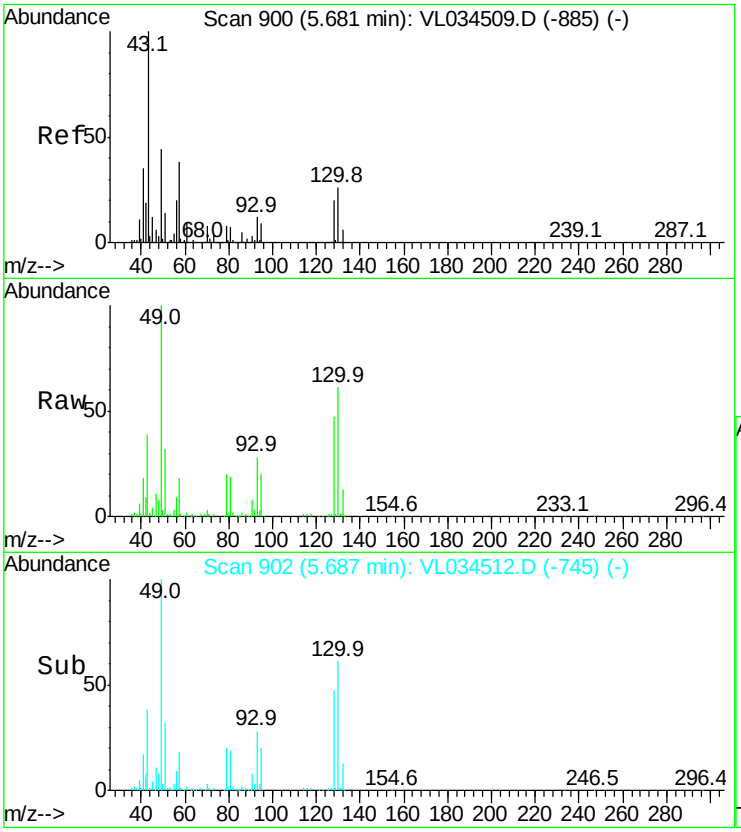


#24
1,1-Dichloroethane
Concen: 0.198 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 63 Resp: 30661

Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.1	6.3
100	2.6	1.1	3.3



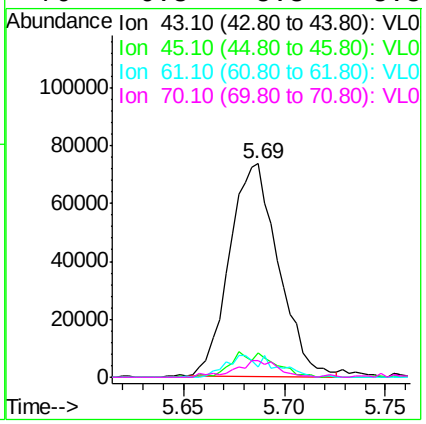


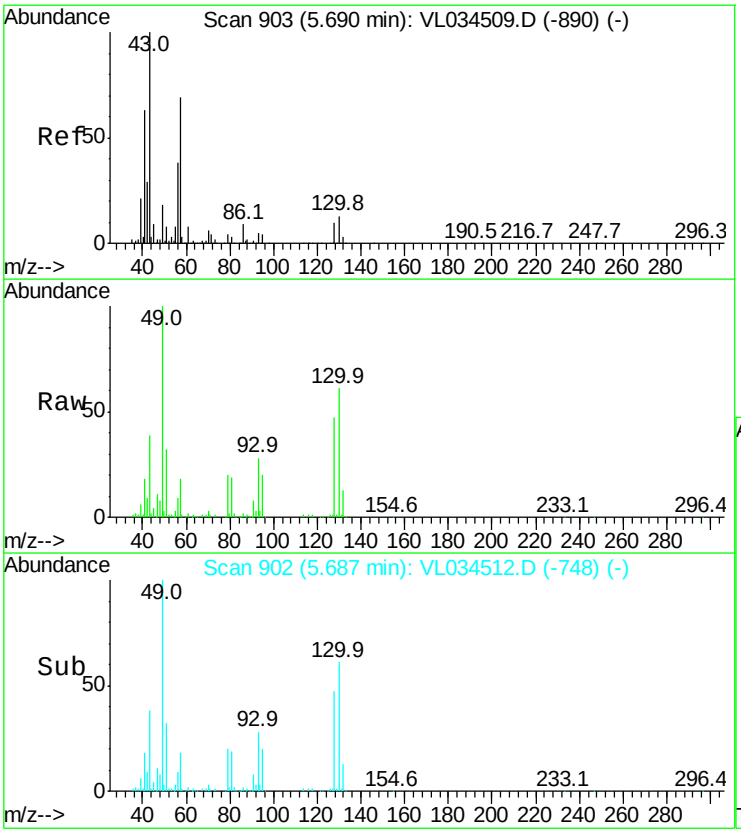
#25
Ethyl Acetate
Concen: 0.456 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 125299

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	10.0	7.8	11.6
70	6.8	5.8	8.8

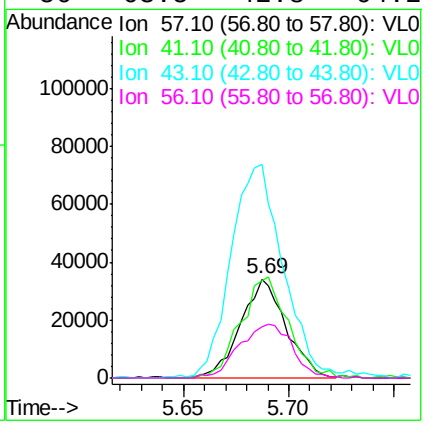


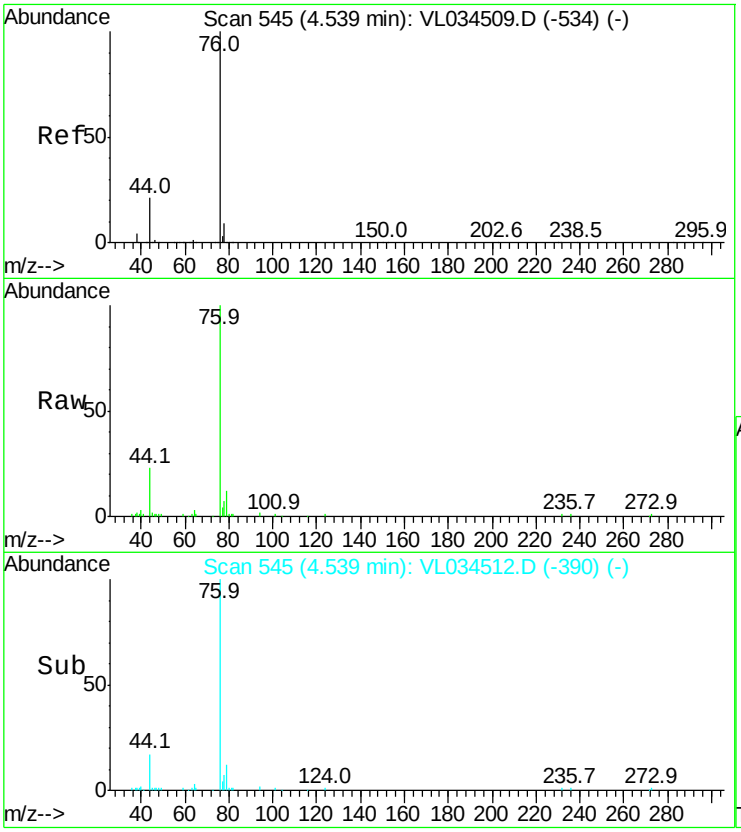


#26
Hexane
Concen: 0.432 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 57 Resp: 51088

Ion	Ratio	Lower	Upper
57	100		
41	108.5	75.3	112.9
43	253.9	189.4	284.2
56	63.5	42.8	64.2



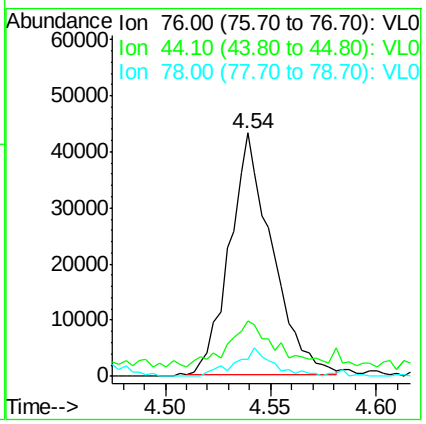


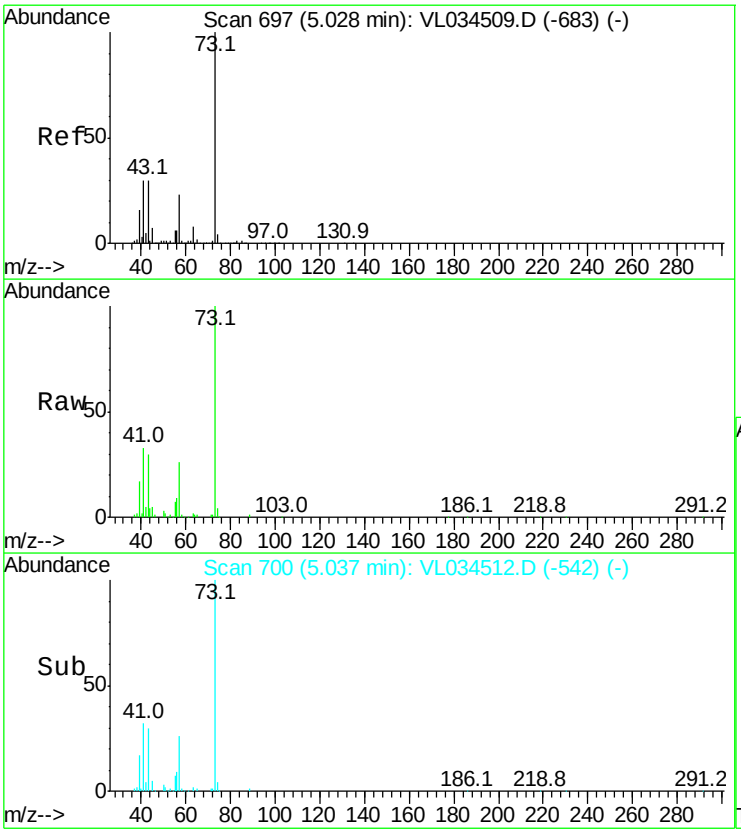
#27
Carbon Disulfide
Concen: 0.466 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 59921

Ion	Ratio	Lower	Upper
76	100		
44	23.5	16.6	25.0
78	10.2	7.4	11.0

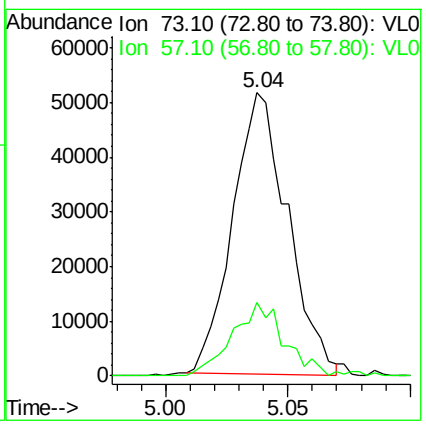


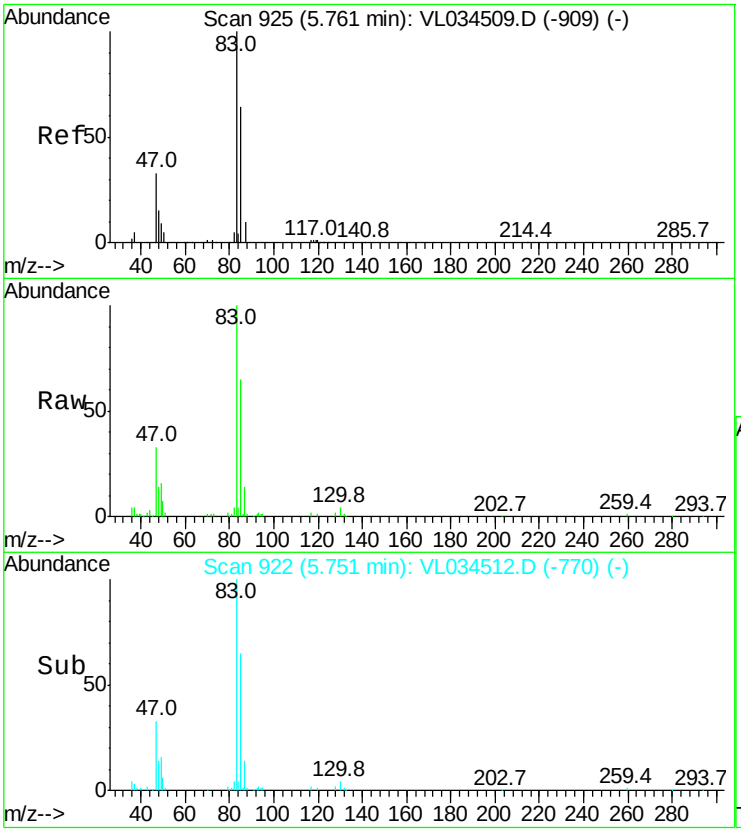


#28
Methyl tert-Butyl Ether
Concen: 0.411 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 73 Resp: 80455

Ion	Ratio	Lower	Upper
73	100		
57	25.1	18.2	27.2



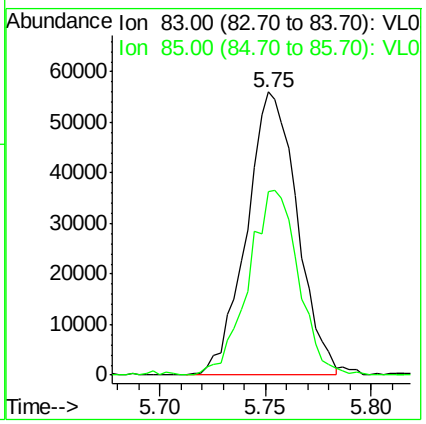


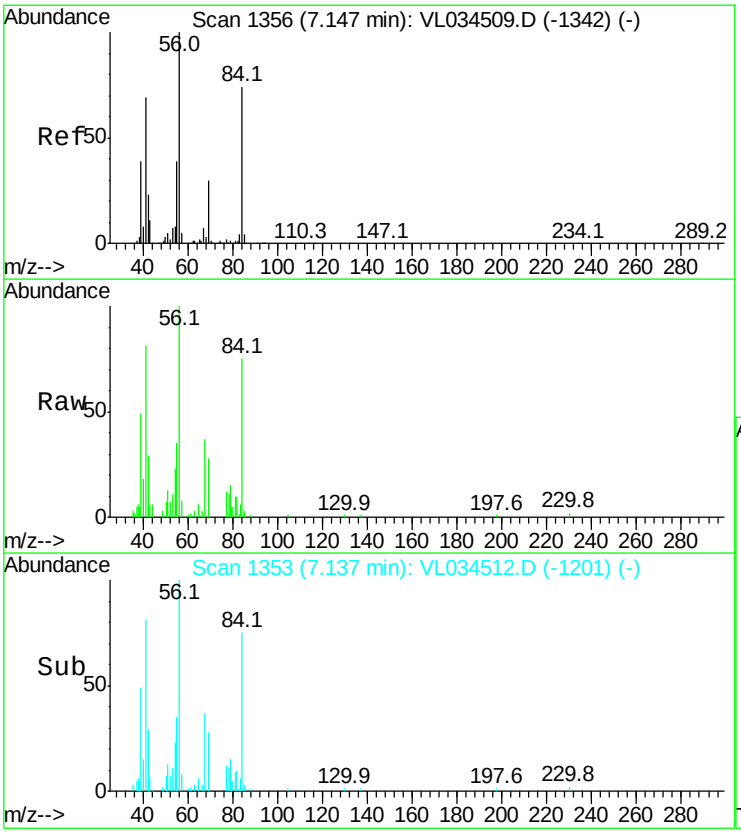
#29
Chloroform
Concen: 0.489 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 93604

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.6

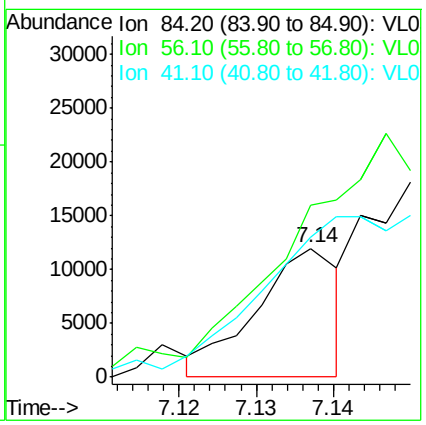


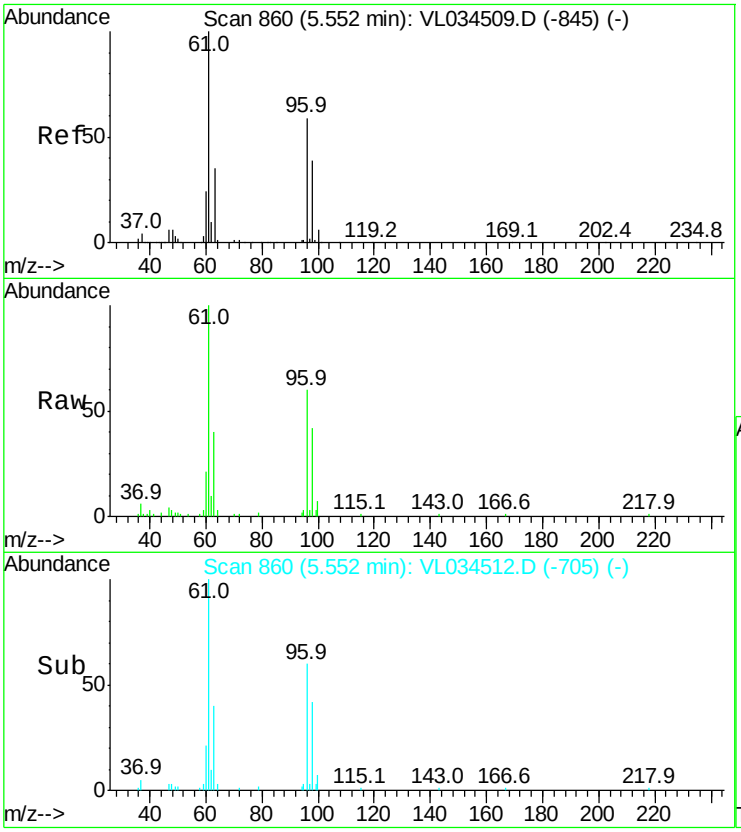


#30
Cyclohexane
Concen: 0.100 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 84 Resp: 8912

Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.7	169.1#
41	0.0	73.0	109.4#



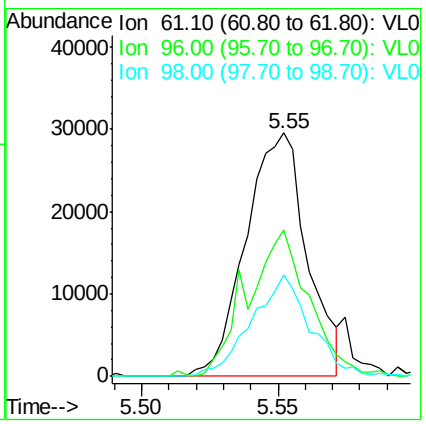


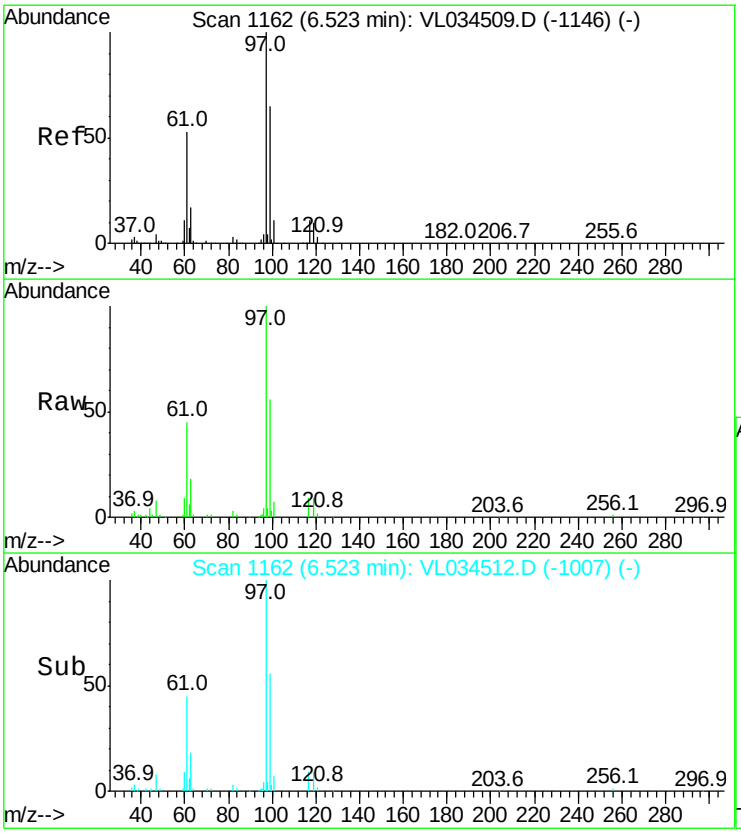
#31
cis-1,2-Dichloroethene
Concen: 0.378 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 46108

Ion	Ratio	Lower	Upper
61	100		
96	59.2	47.1	70.7
98	41.9	31.0	46.6

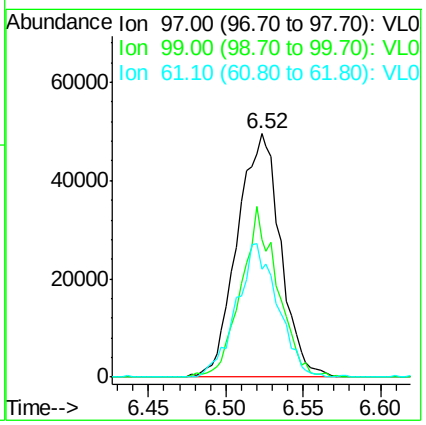


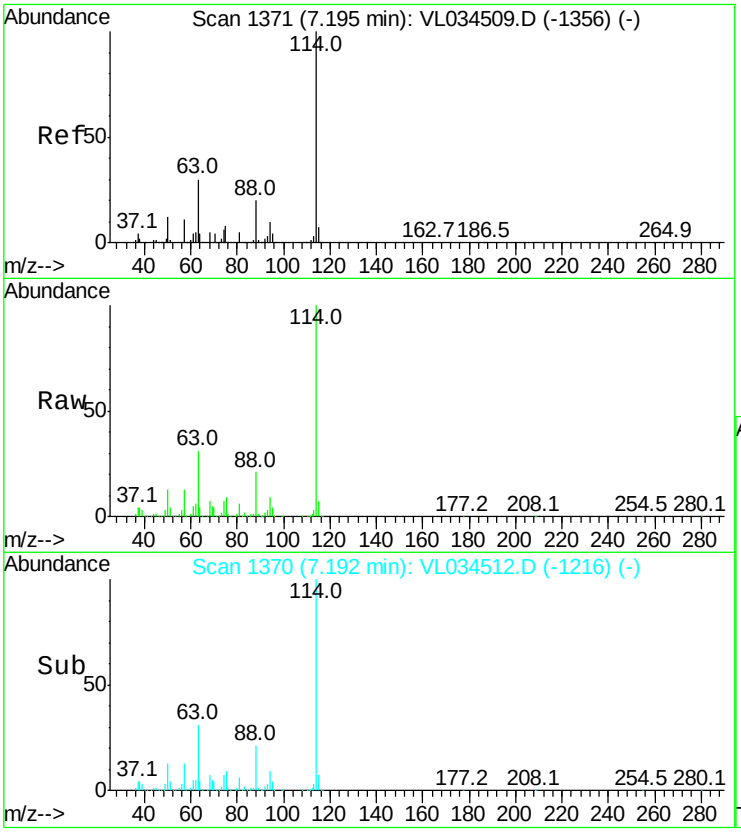


#32
1,1,1-Trichloroethane
Concen: 0.538 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 97 Resp: 96471

Ion	Ratio	Lower	Upper
97	100		
99	59.1	51.7	77.5
61	52.2	42.9	64.3



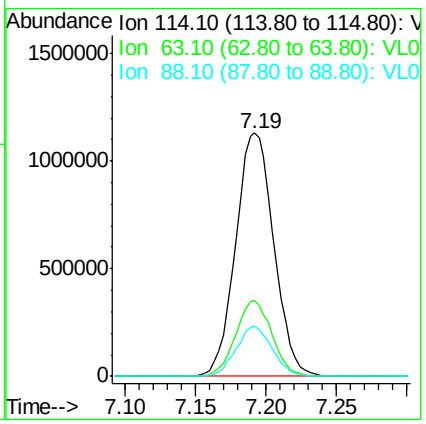


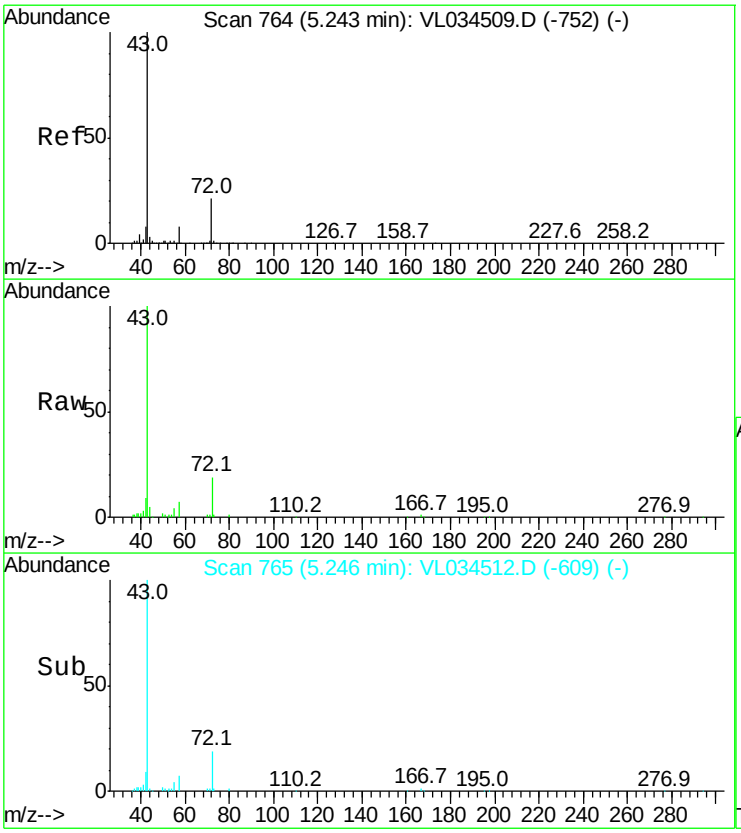
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 2143952

Ion	Ratio	Lower	Upper
114	100		
63	29.9	24.1	36.1
88	19.6	15.7	23.5

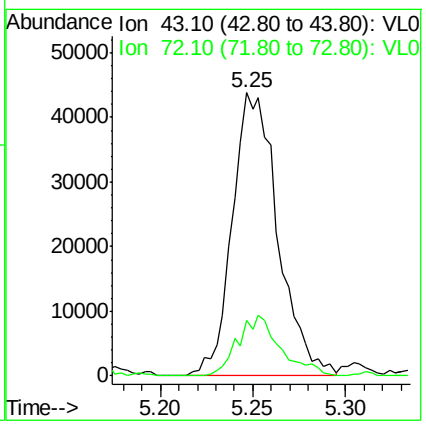


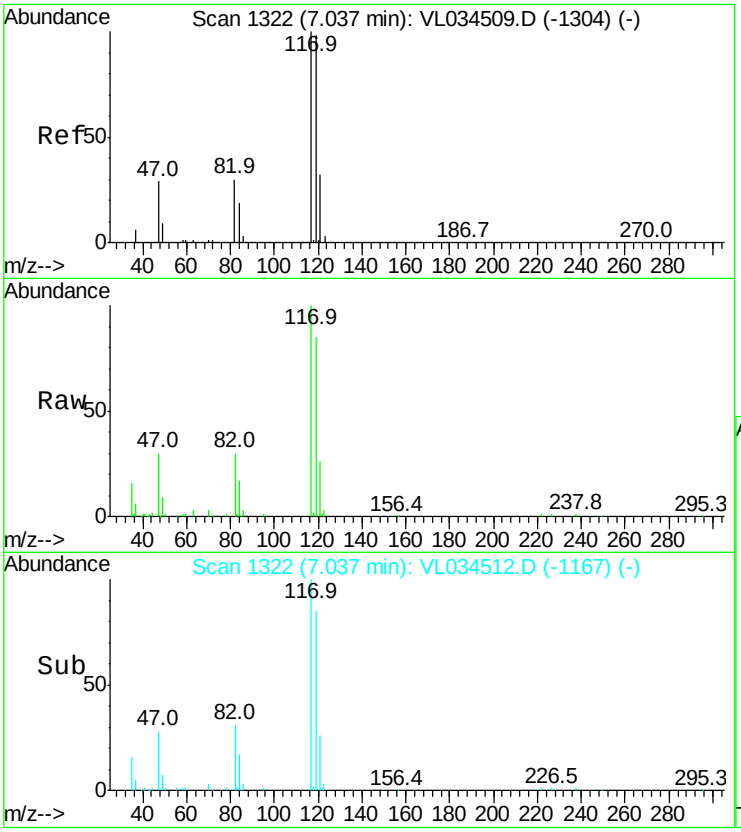


#34
2-Butanone
Concen: 0.425 ppbv
RT: 5.25 min Scan# 765
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 43 Resp: 74918

Ion	Ratio	Lower	Upper
43	100		
72	19.9	17.0	25.4



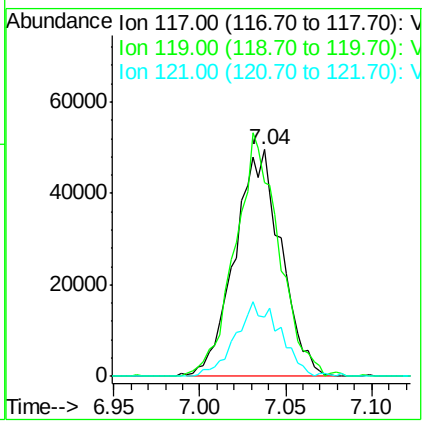


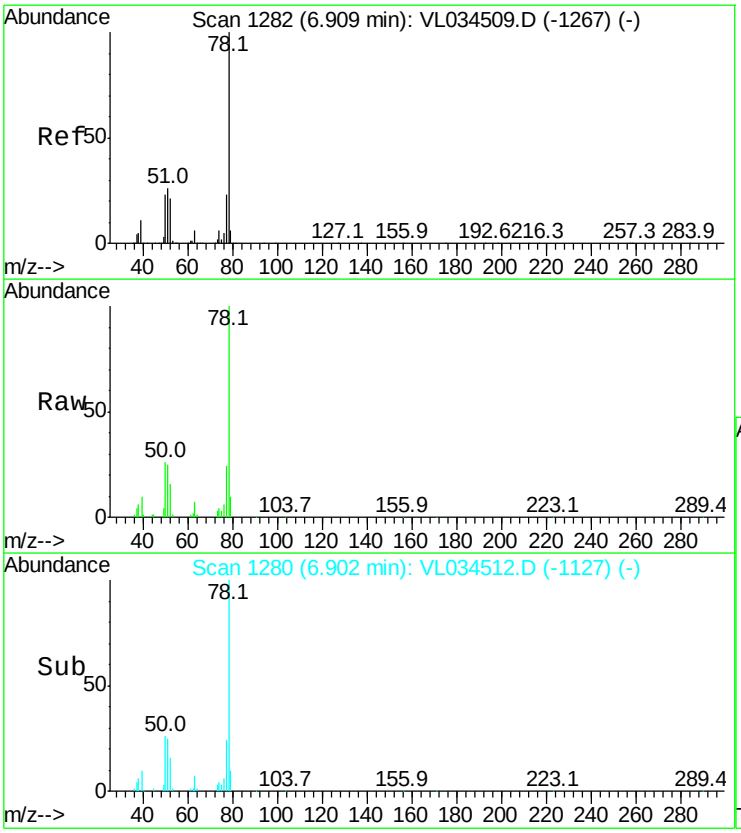
#35
Carbon Tetrachloride
Concen: 0.504 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 92870

Ion	Ratio	Lower	Upper
117	100		
119	84.0	78.7	118.1
121	26.3	25.9	38.9

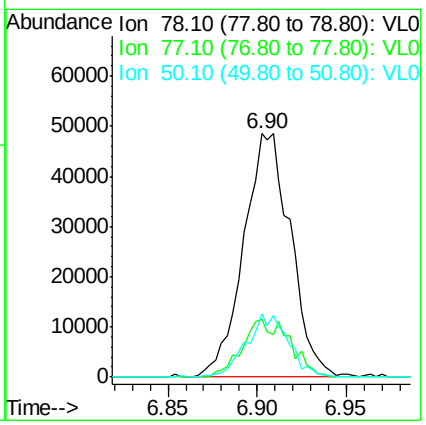


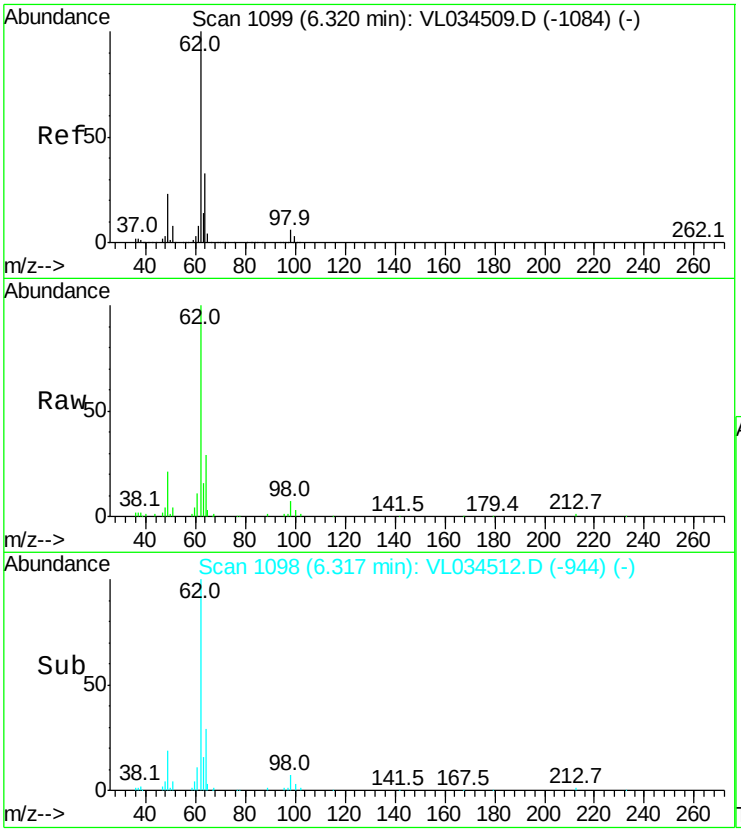


#36
Benzene
Concen: 0.416 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 78 Resp: 89252

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0
50	25.5	18.8	28.2



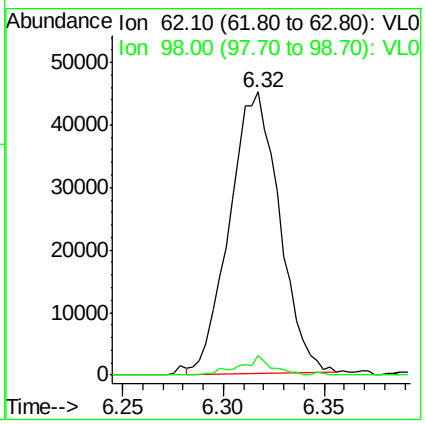


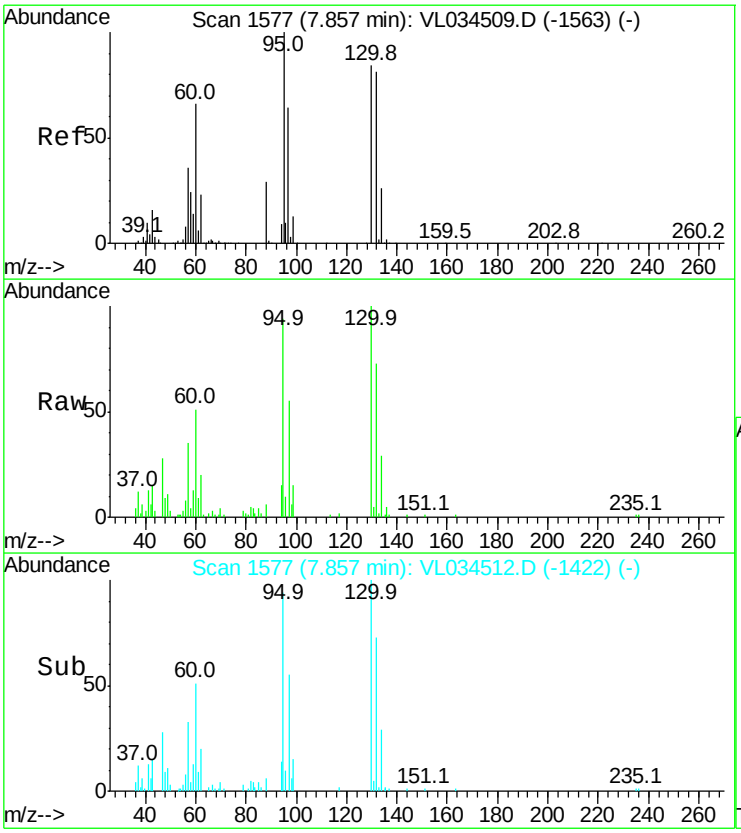
#37
1,2-Dichloroethane
Concen: 0.490 ppbv
RT: 6.32 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 78055

Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.8	5.6

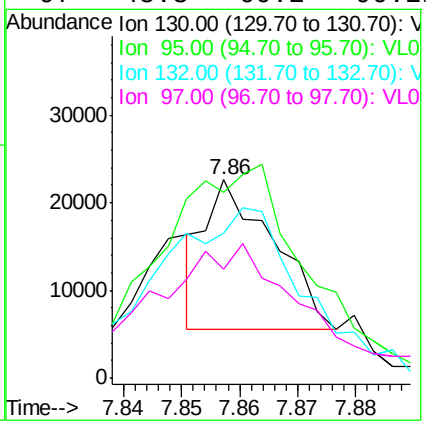


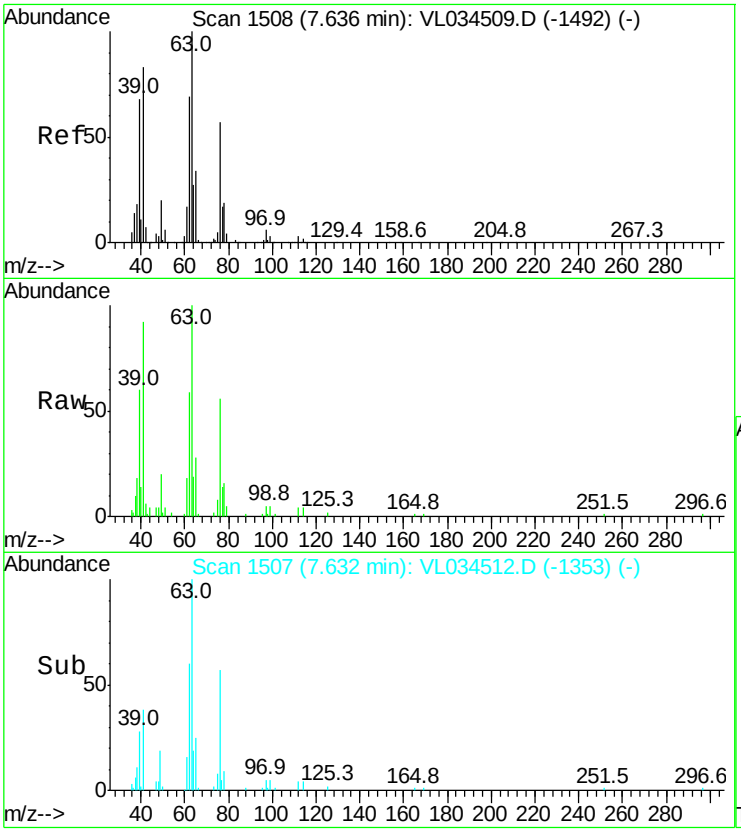


#38
Trichloroethene
Concen: 0.159 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:130 Resp: 13981

Ion	Ratio	Lower	Upper
130	100		
95	66.8	94.2	141.2#
132	65.6	76.1	114.1#
97	45.3	60.2	90.2#



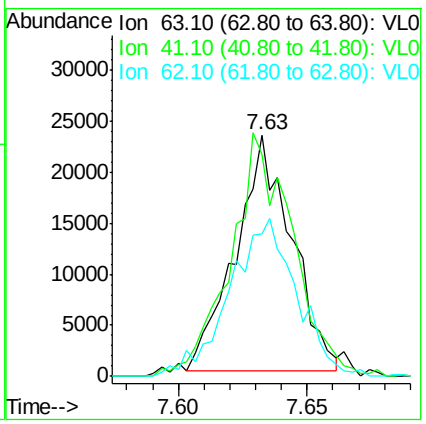


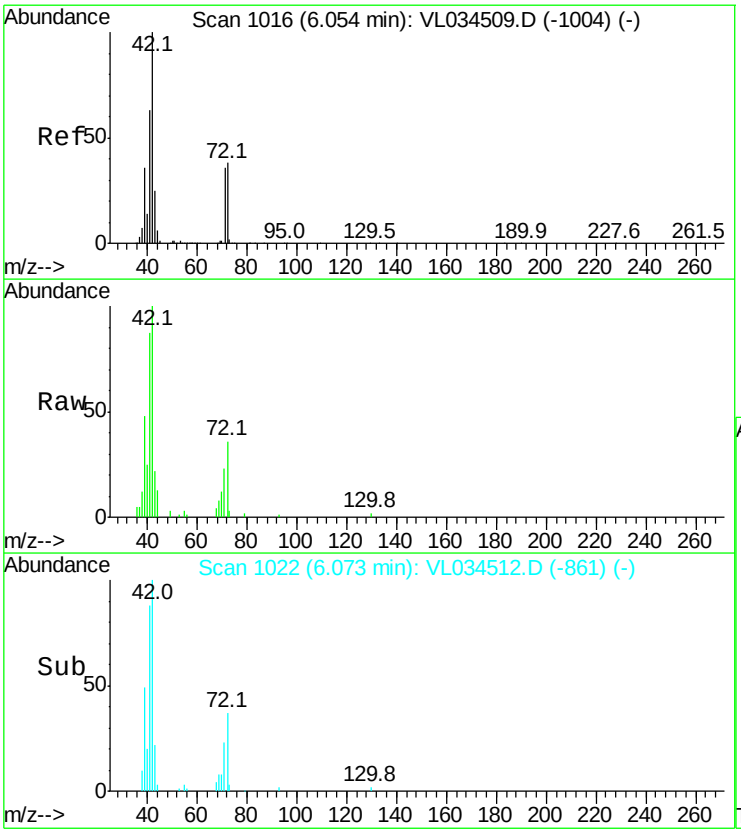
#39
1,2-Dichloropropane
Concen: 0.425 ppbv
RT: 7.63 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 63 Resp: 35122

Ion	Ratio	Lower	Upper
63	100		
41	90.1	66.1	99.1
62	50.1	54.9	82.3#

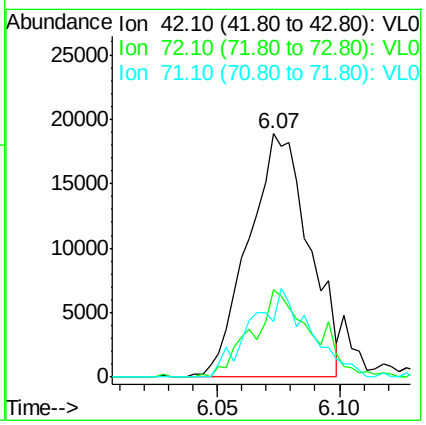


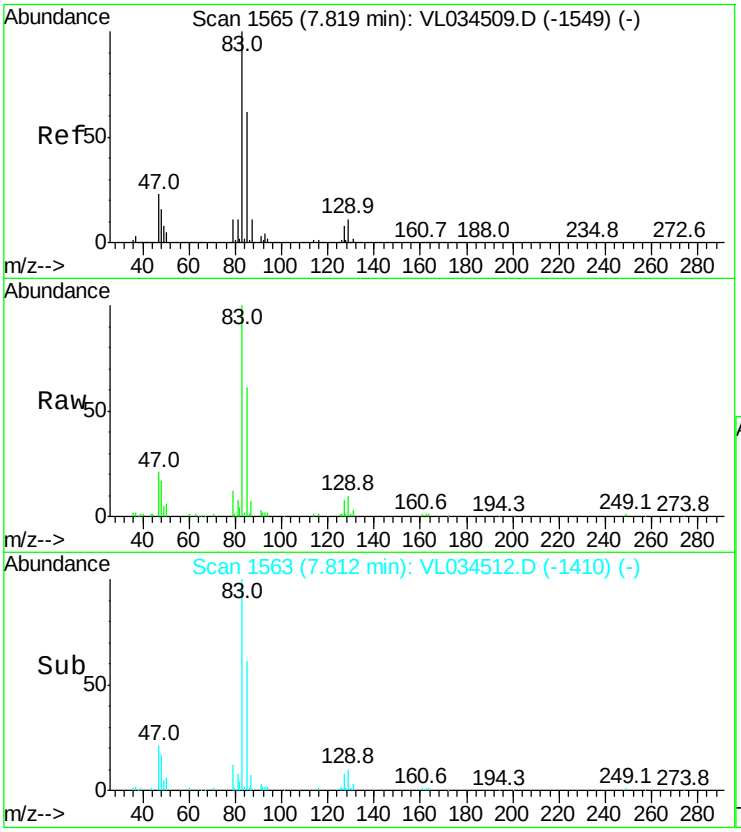


#41
Tetrahydrofuran
Concen: 0.329 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.02 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 42 Resp: 32525

Ion	Ratio	Lower	Upper
42	100		
72	36.8	30.9	46.3
71	35.5	28.9	43.3



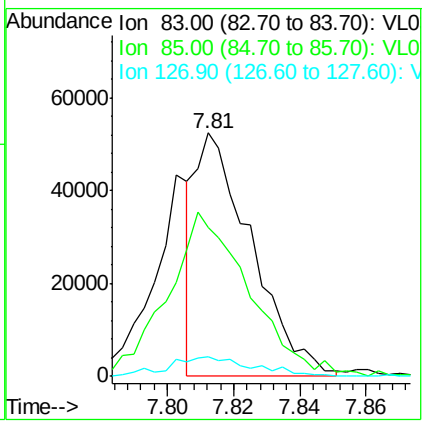


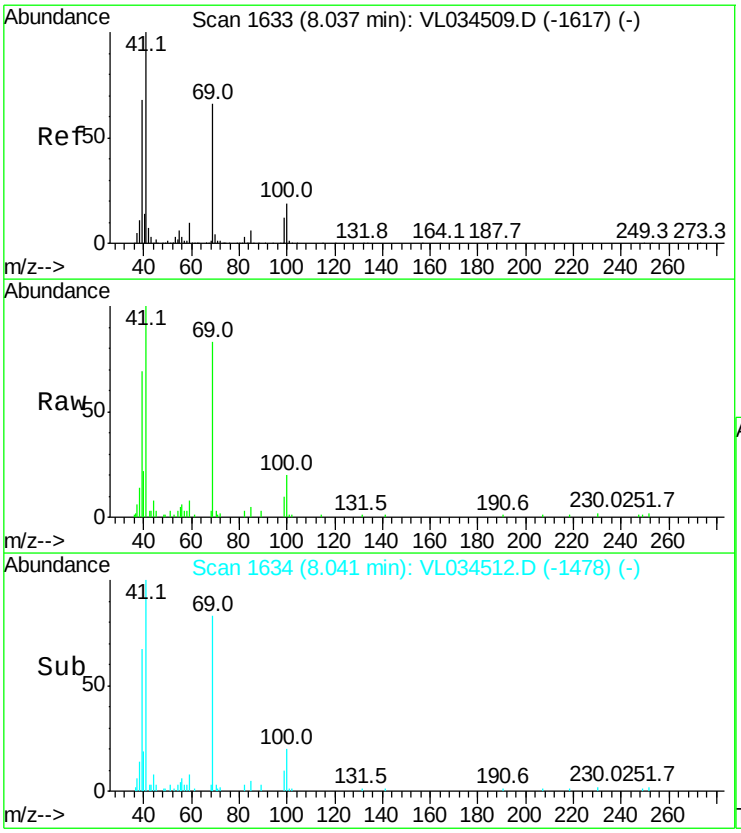
#42
Bromodichloromethane
Concen: 0.307 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 83 Resp: 61059

Ion	Ratio	Lower	Upper
83	100		
85	61.2	49.4	74.2
127	9.7	6.2	9.4#

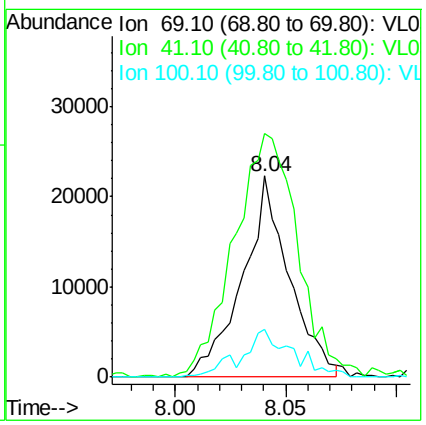


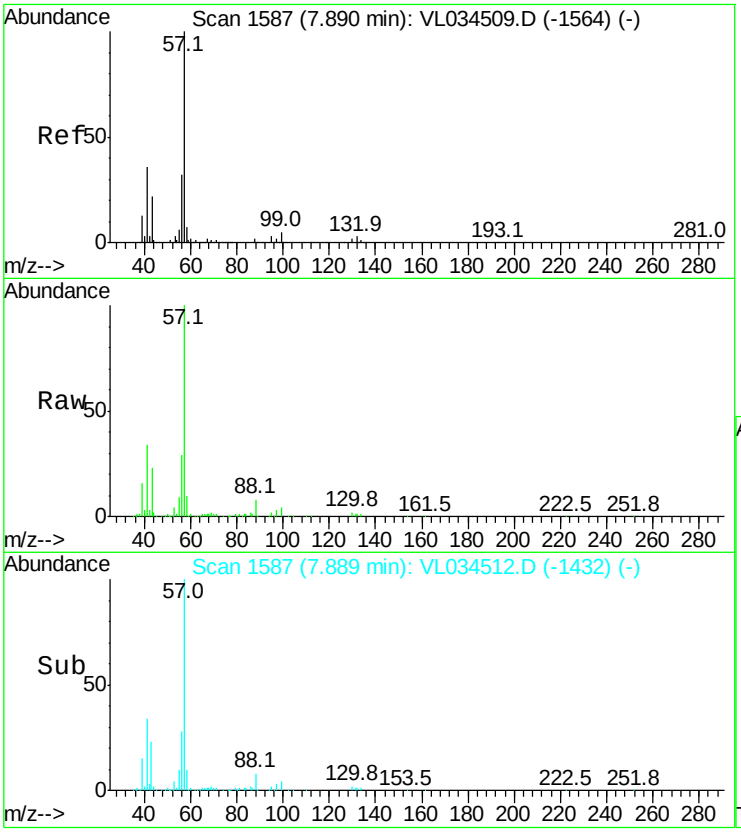


#43
Methyl Methacrylate
Concen: 0.369 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 69 Resp: 32770

Ion	Ratio	Lower	Upper
69	100		
41	164.6	124.0	186.0
100	26.1	23.1	34.7



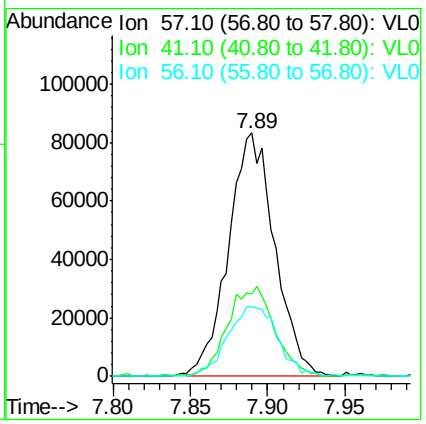


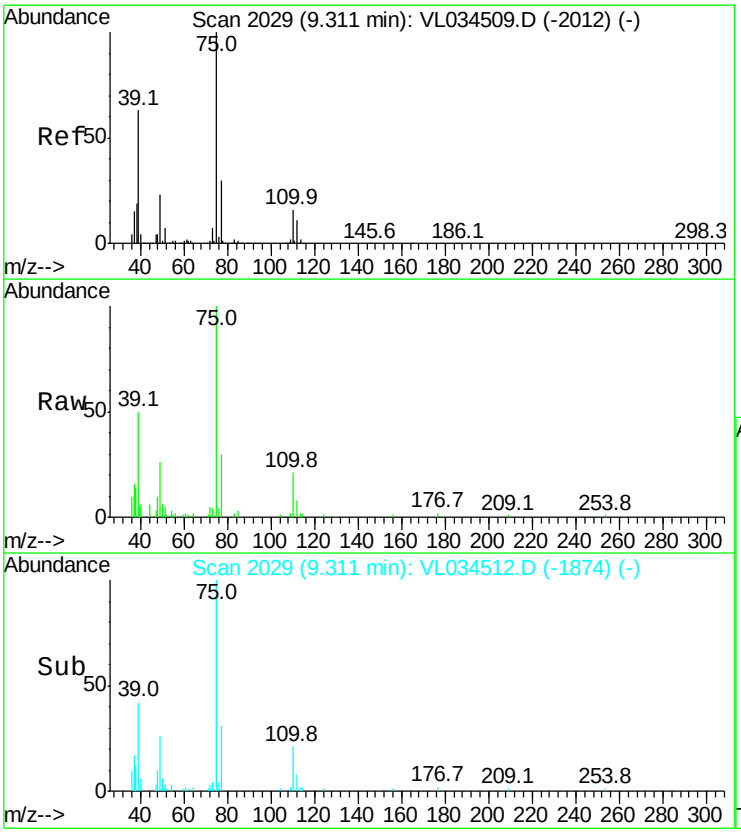
#44
2,2,4-Trimethylpentane
Concen: 0.443 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 57 Resp: 173415

Ion	Ratio	Lower	Upper
57	100		
41	37.7	29.0	43.4
56	31.4	24.9	37.3

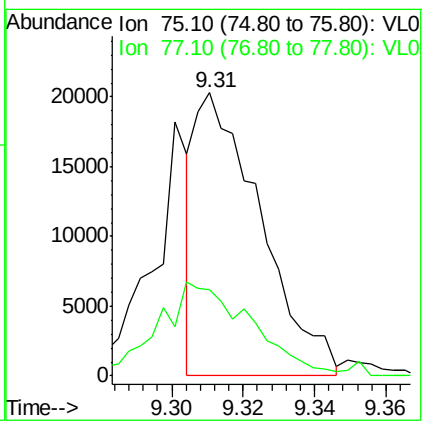


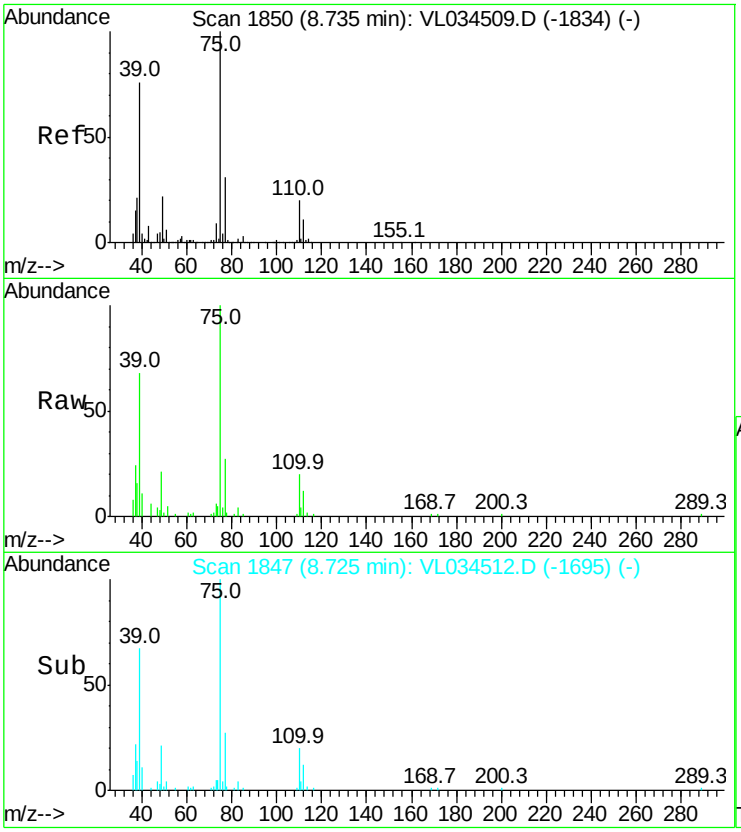


#45
t-1,3-Dichloropropene
Concen: 0.226 ppbv
RT: 9.31 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 75 Resp: 25740

Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.2	36.2



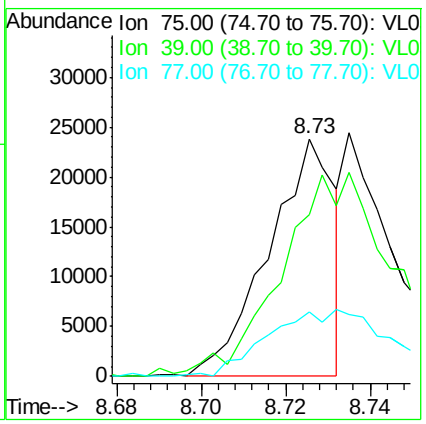


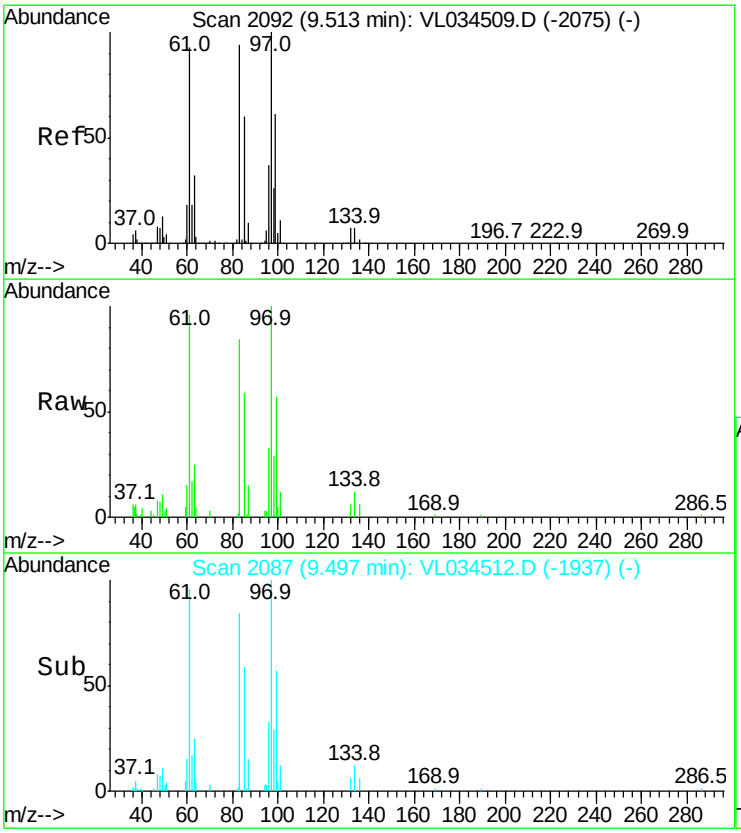
#46
cis-1,3-Dichloropropene
Concen: 0.202 ppbv
RT: 8.73 min Scan# 1847
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 75 Resp: 25880

Ion	Ratio	Lower	Upper
75	100		
39	65.8	60.5	90.7
77	26.7	24.8	37.2

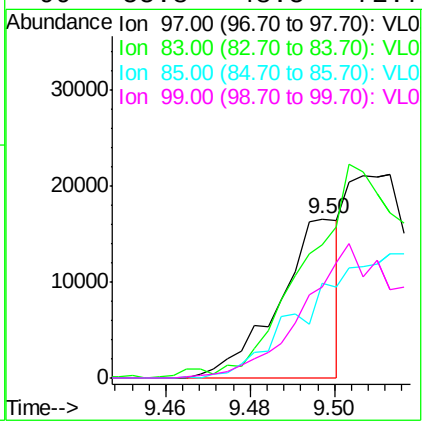


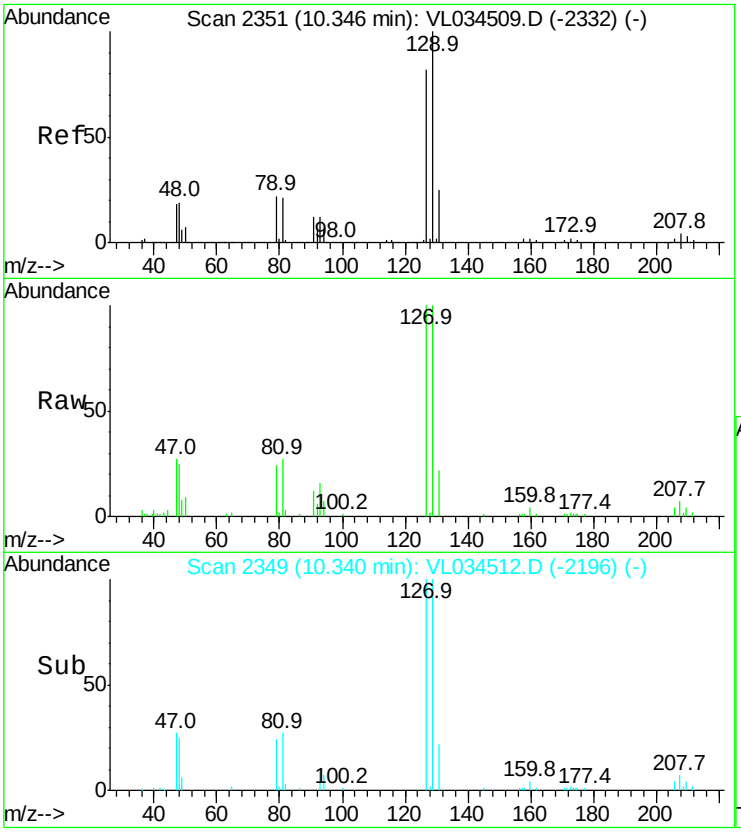


#47
1,1,2-Trichloroethane
Concen: 0.180 ppbv
RT: 9.50 min Scan# 2087
Delta R.T. -0.02 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 97 Resp: 16503

Ion	Ratio	Lower	Upper
97	100		
83	78.3	75.0	112.4
85	58.1	48.2	72.4
99	55.8	48.5	72.7



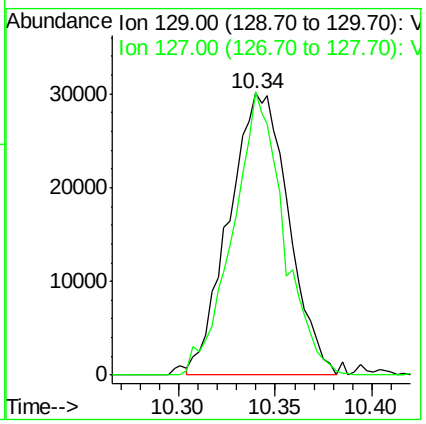


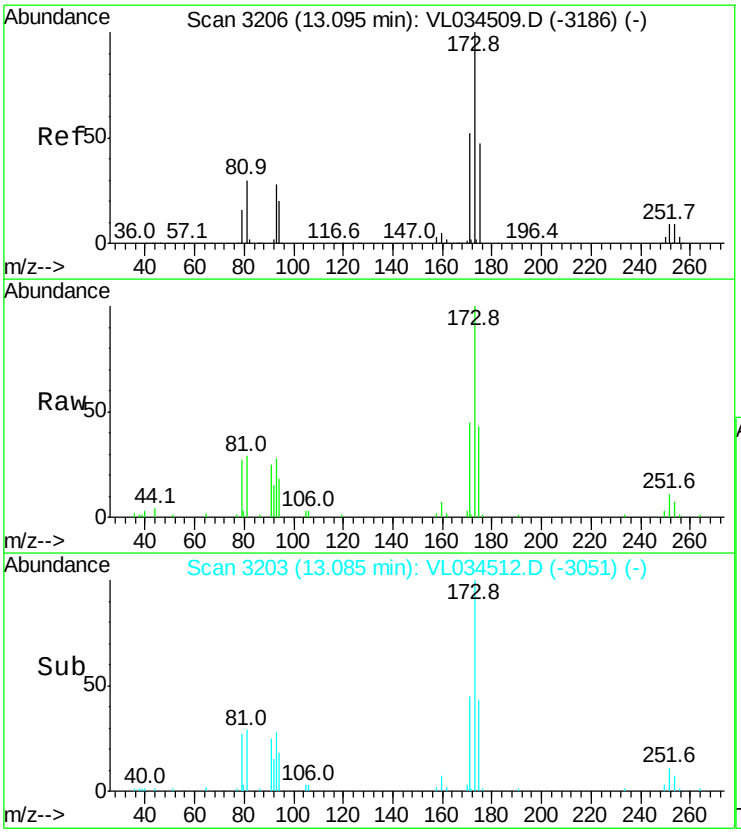
#48
Dibromochloromethane
Concen: 0.409 ppbv
RT: 10.34 min Scan# 2349
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:129 Resp: 64468

Ion	Ratio	Lower	Upper
129	100		
127	85.9	39.4	118.2

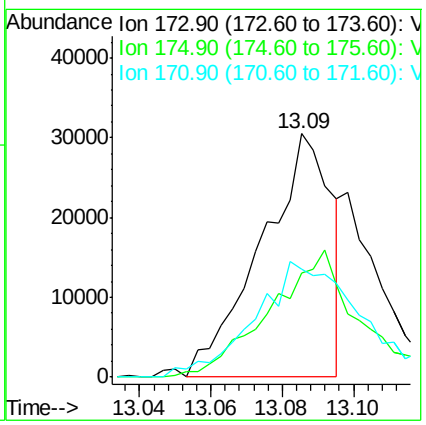


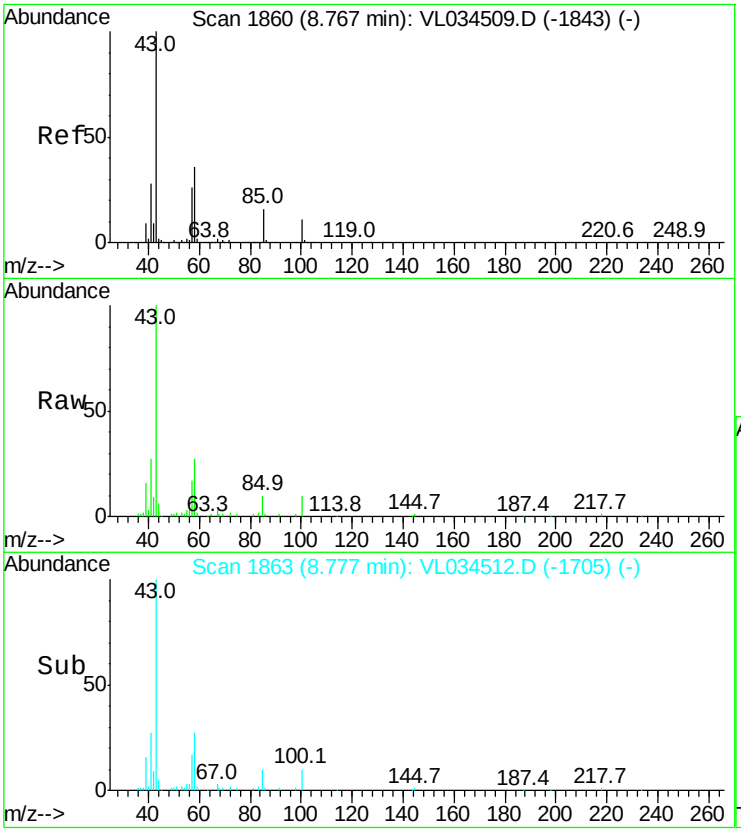


#49
Bromoform
Concen: 0.295 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:173 Resp: 41527

Ion	Ratio	Lower	Upper
173	100		
175	0.0	39.8	59.8#
171	72.0	42.1	63.1#



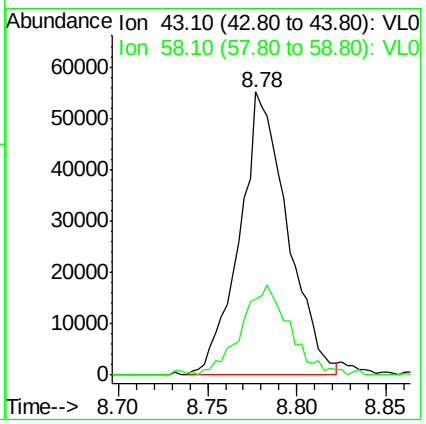


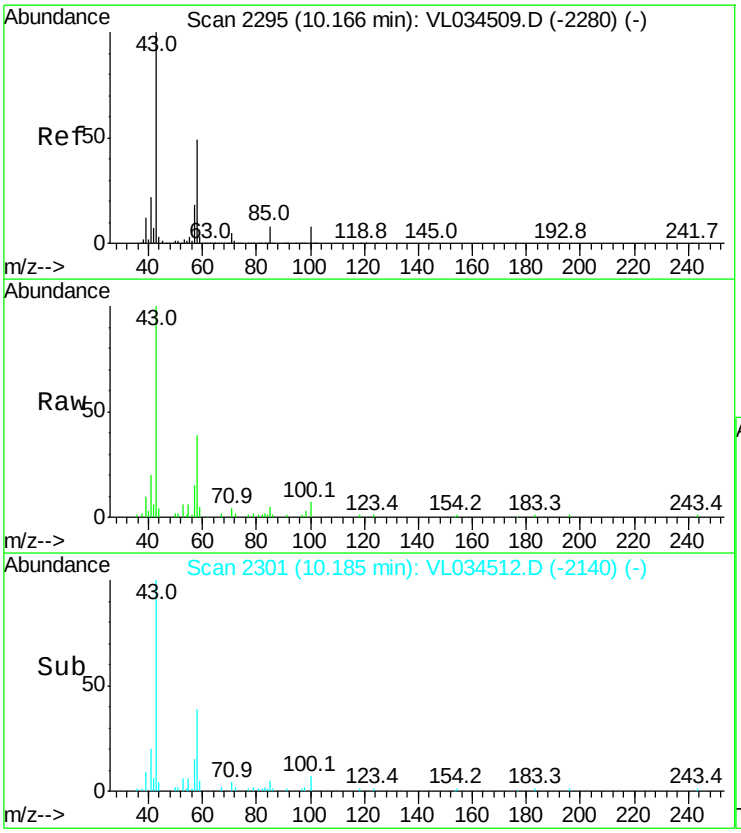
#50
4-Methyl-2-Pentanone
Concen: 0.406 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 103620

Ion	Ratio	Lower	Upper
43	100		
58	32.9	28.2	42.2

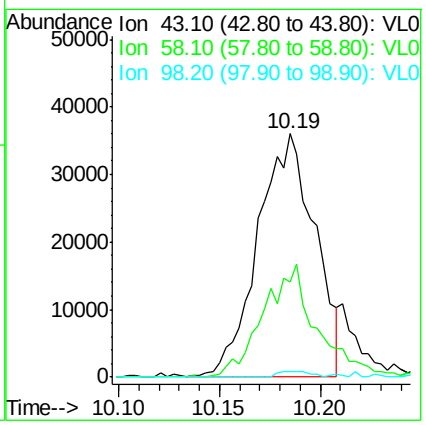


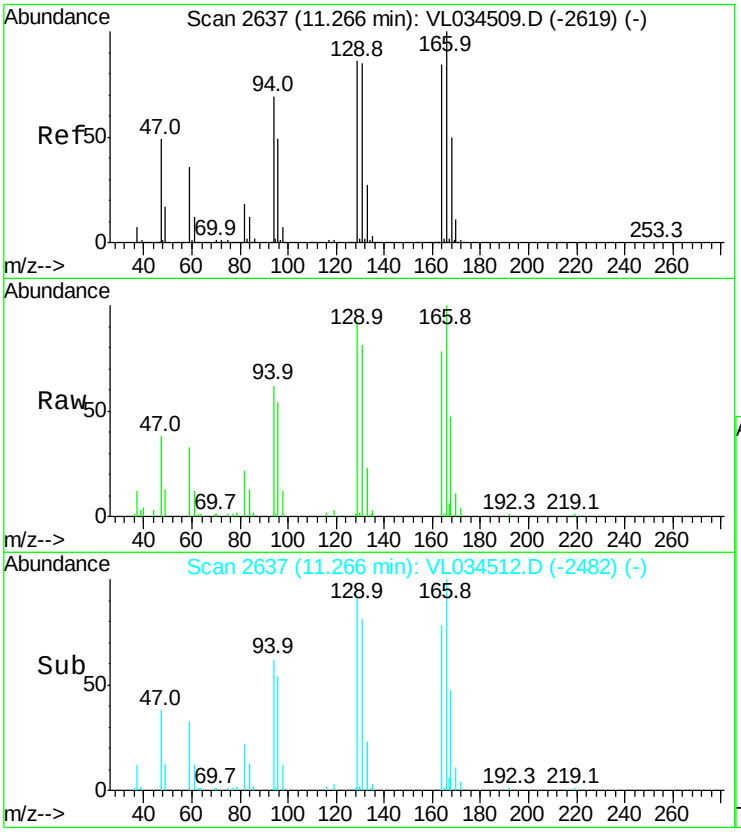


#51
2-Hexanone
Concen: 0.331 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. 0.02 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 43 Resp: 70790

Ion	Ratio	Lower	Upper
43	100		
58	44.0	37.4	56.0
98	1.9	0.2	0.2#



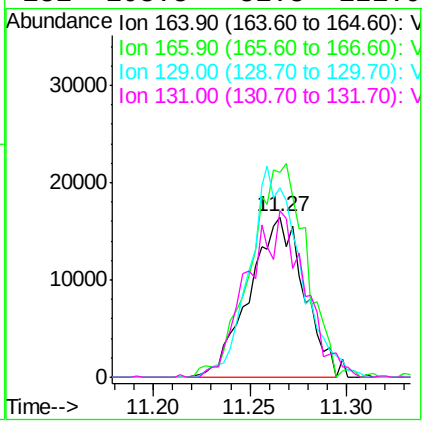


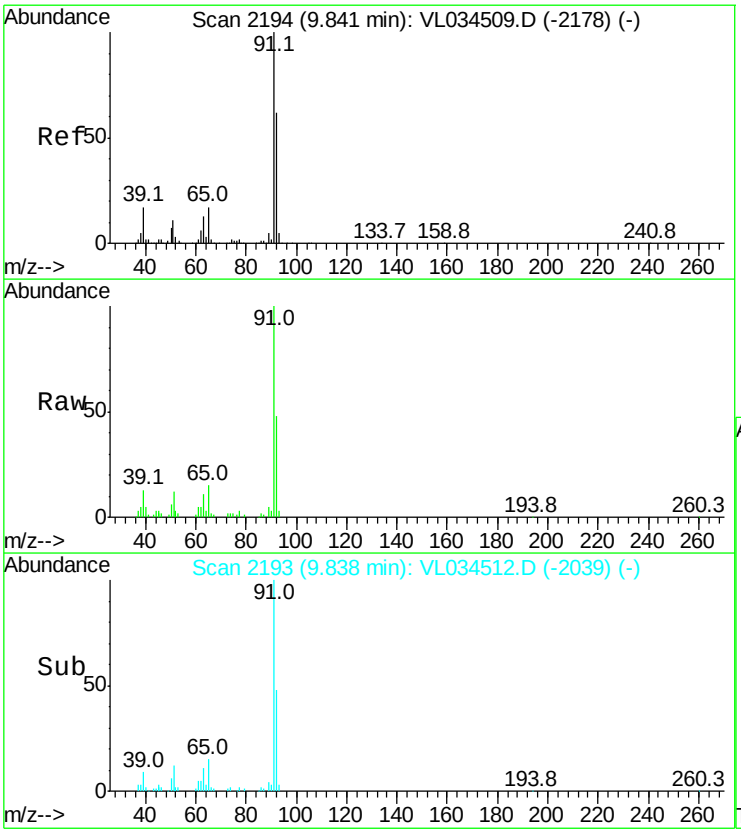
#52
Tetrachloroethene
Concen: 0.346 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:164 Resp: 32123

Ion	Ratio	Lower	Upper
164	100		
166	127.9	95.7	143.5
129	117.9	82.2	123.2
131	103.8	81.3	121.9

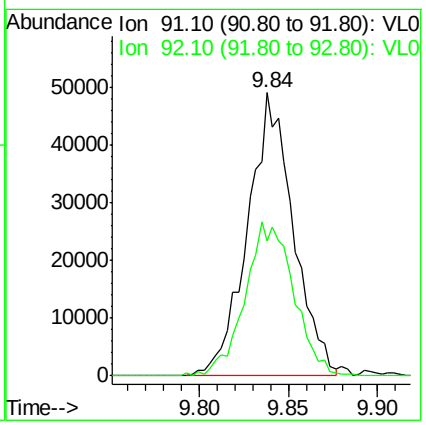


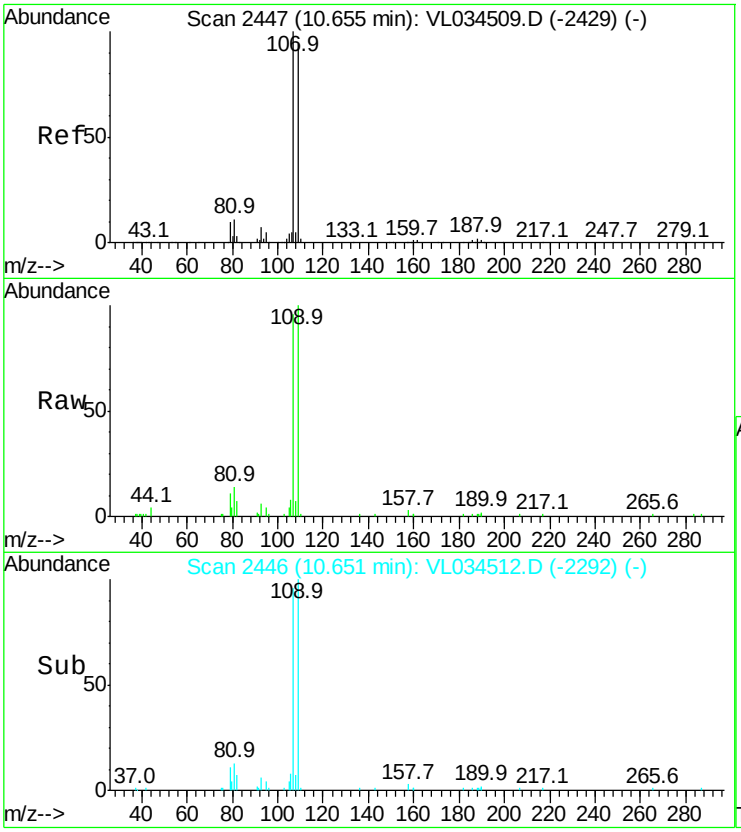


#53
Toluene
Concen: 0.361 ppbv
RT: 9.84 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 91 Resp: 87968

Ion	Ratio	Lower	Upper
91	100		
92	57.8	48.4	72.6



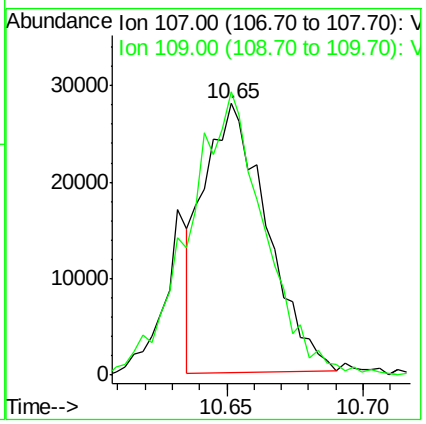


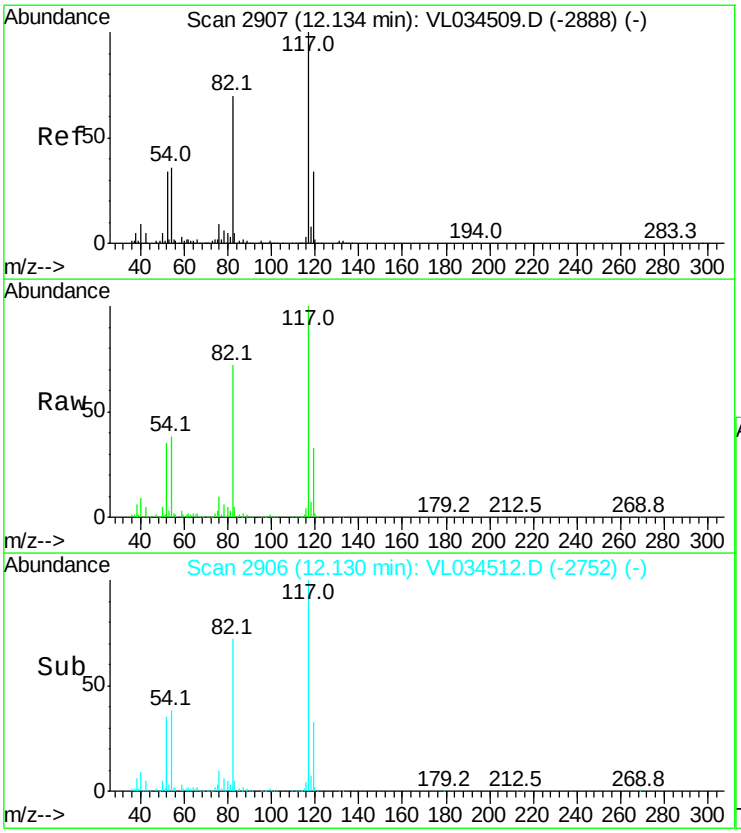
#54
1,2-Dibromoethane
Concen: 0.320 ppbv
RT: 10.65 min Scan# 2446
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:107 Resp: 45112

Ion	Ratio	Lower	Upper
107	100		
109	102.2	75.5	113.3

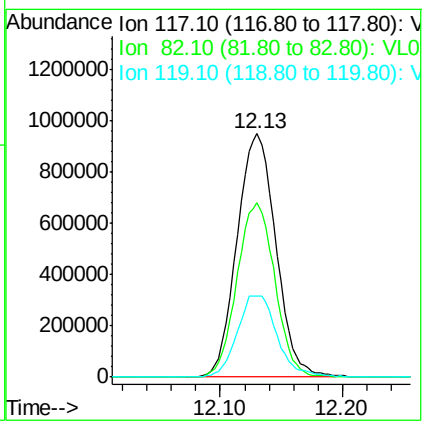


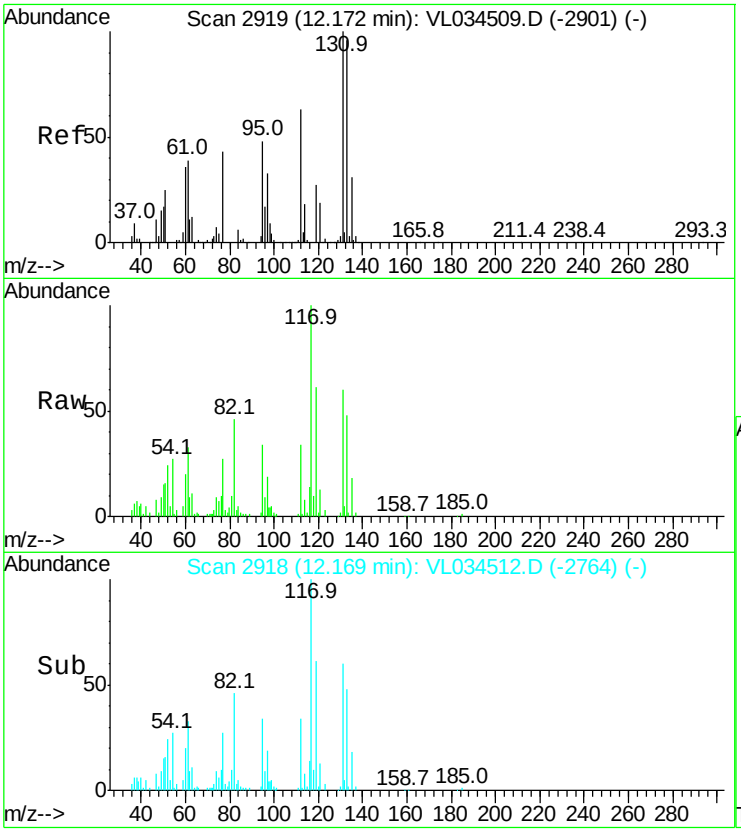


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:117 Resp: 2085904

Ion	Ratio	Lower	Upper
117	100		
82	70.1	56.2	84.4
119	34.5	27.1	40.7



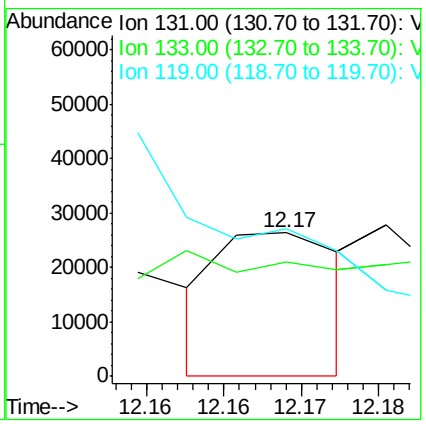


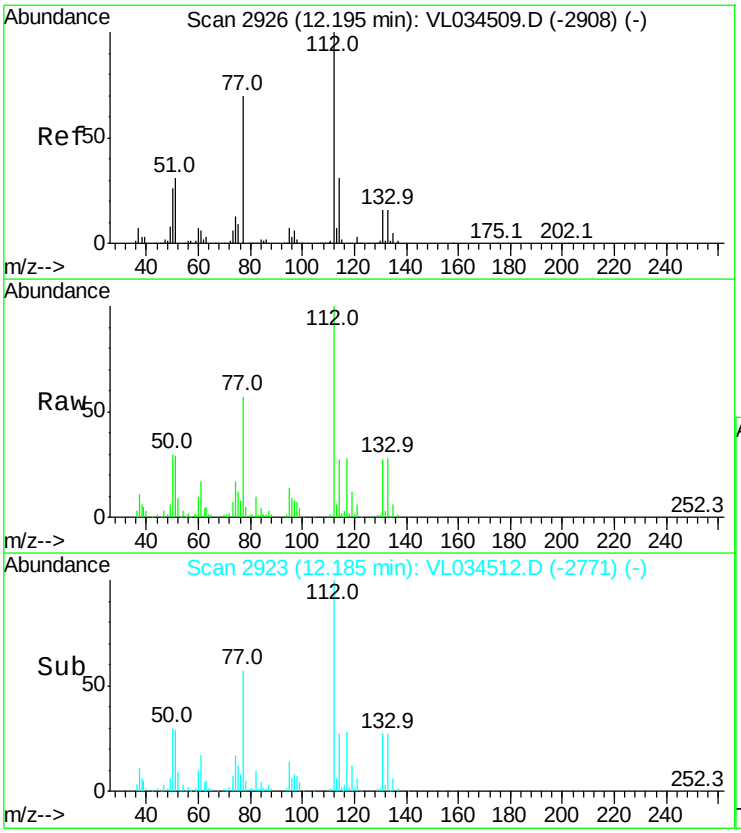
#56
1,1,1,2-Tetrachloroethane
Concen: 0.141 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:131 Resp: 14432

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.2	114.2#
119	0.0	47.1	70.7#

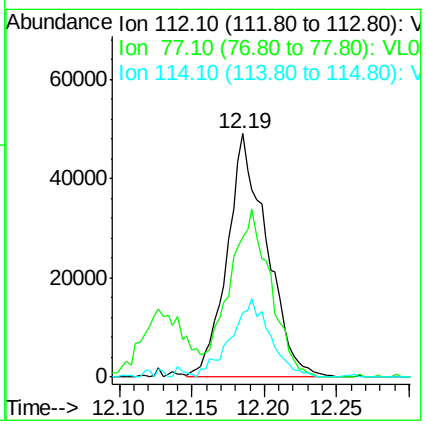


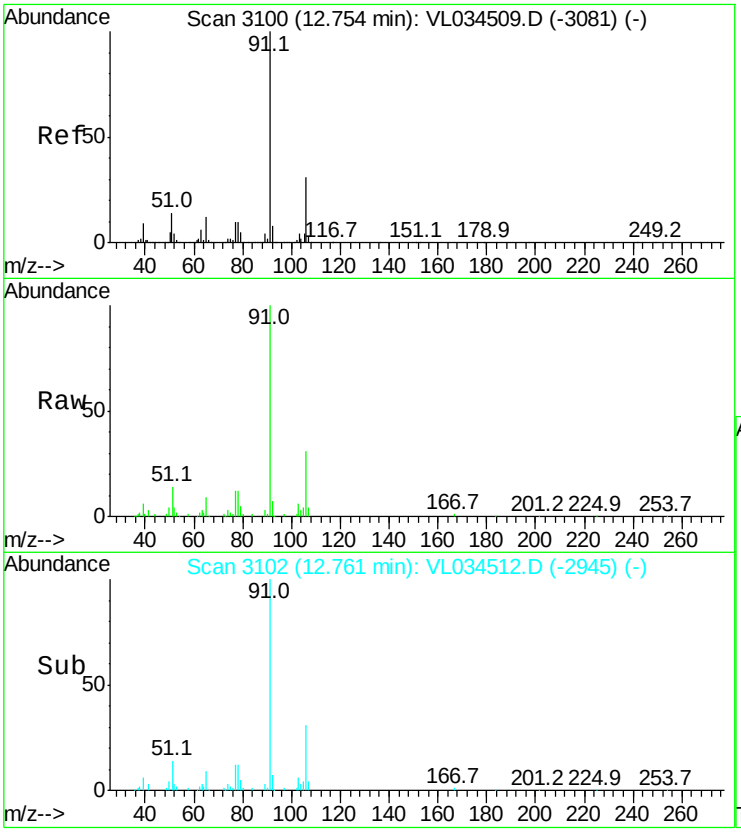


#57
Chlorobenzene
Concen: 0.494 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:112 Resp: 93203

Ion	Ratio	Lower	Upper
112	100		
77	57.4	57.4	86.0
114	26.7	28.4	34.8#



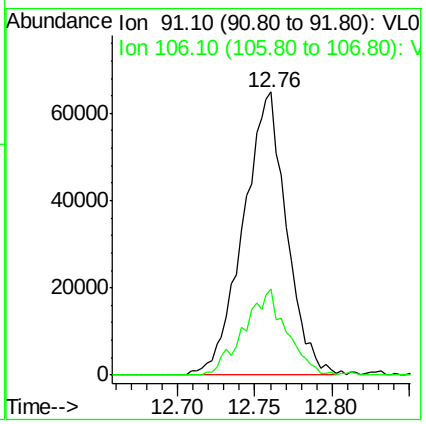


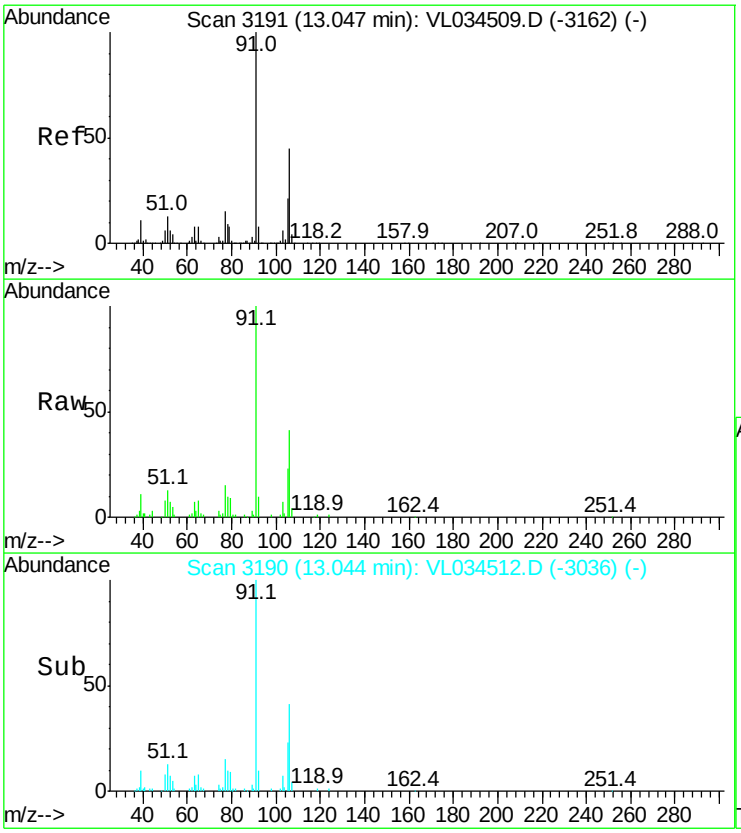
#58
Ethyl Benzene
Concen: 0.390 ppbv
RT: 12.76 min Scan# 3102
Delta R.T. 0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 126274

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.6	36.8

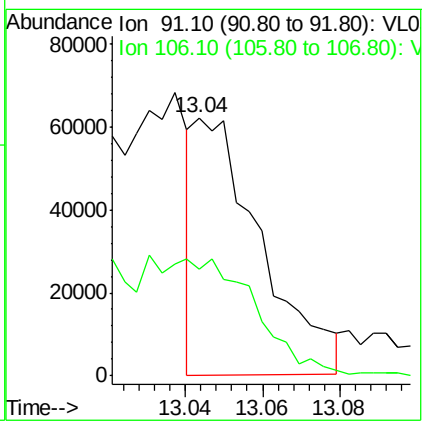


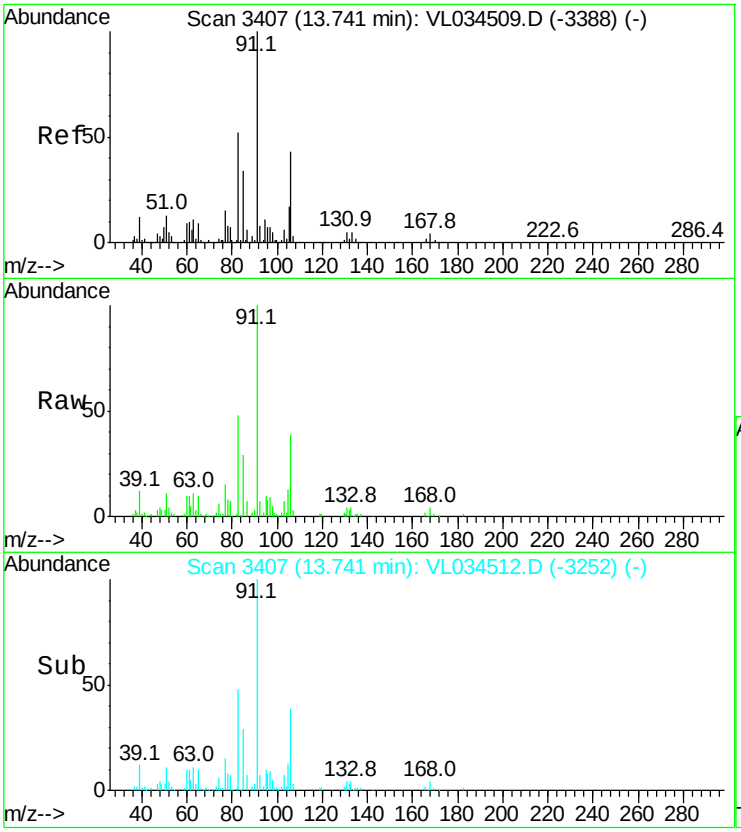


#59
m/p-Xylene
Concen: 0.264 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 91 Resp: 73783

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.6	53.4#



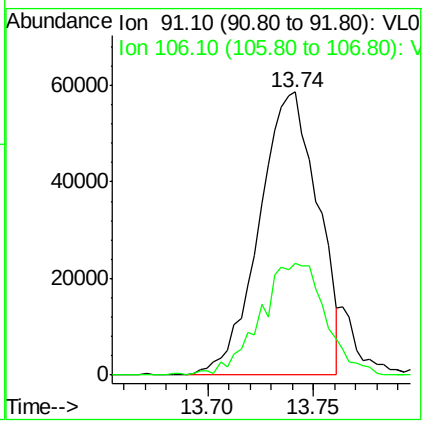


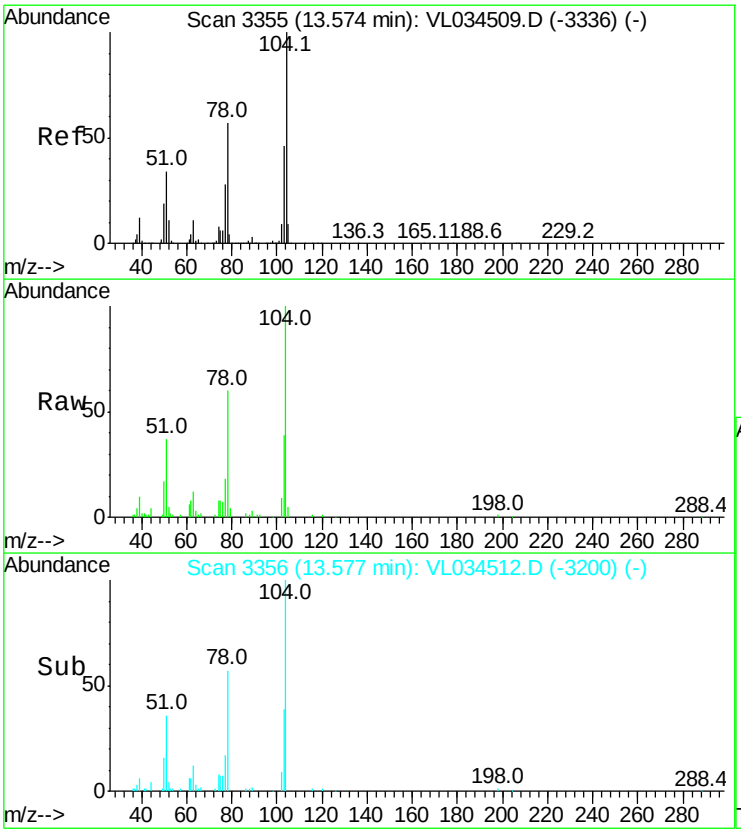
#60
o-Xylene
Concen: 0.409 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 113207

Ion	Ratio	Lower	Upper
91	100		
106	44.2	21.4	64.3

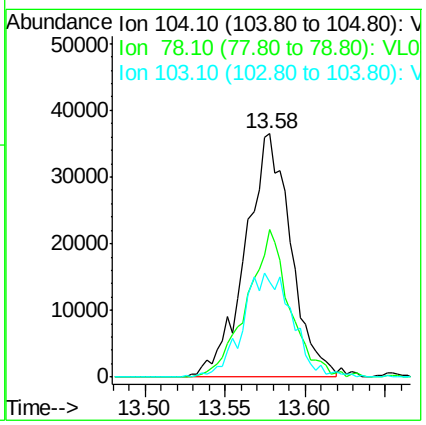


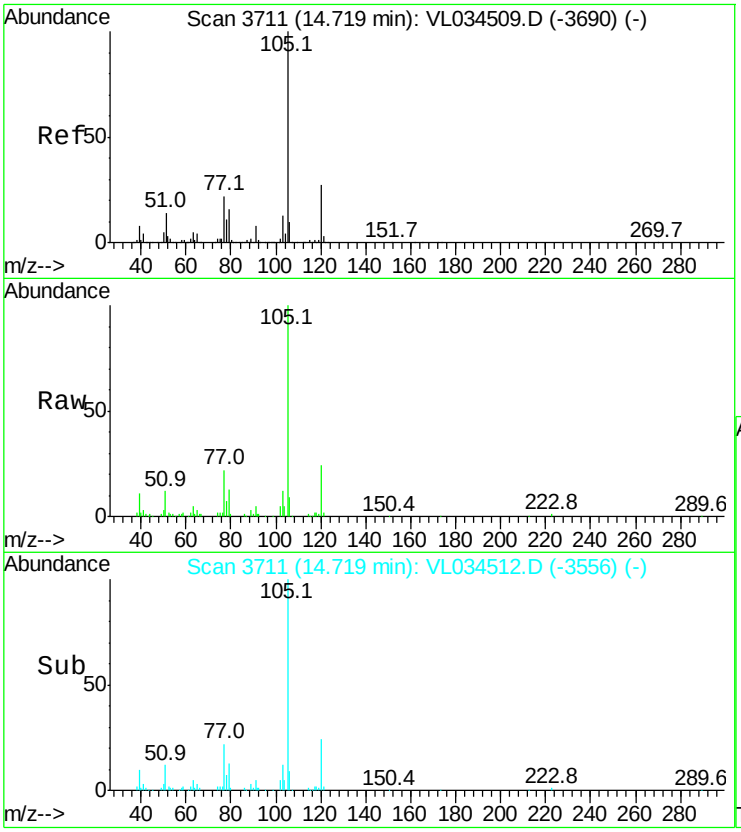


#61
Styrene
Concen: 0.356 ppbv
RT: 13.58 min Scan# 3356
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:104 Resp: 71105

Ion	Ratio	Lower	Upper
104	100		
78	57.1	47.7	71.5
103	46.7	38.6	58.0



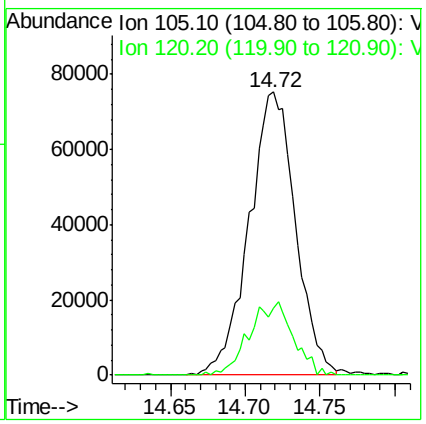


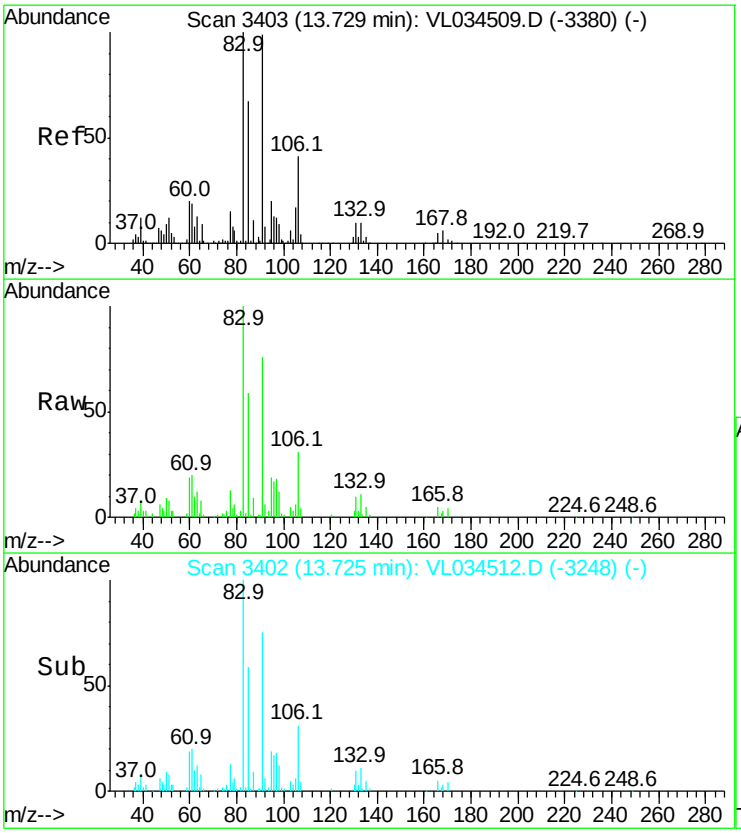
#62
Isopropylbenzene
Concen: 0.442 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 161895

Ion	Ratio	Lower	Upper
105	100		
120	24.7	20.6	30.8

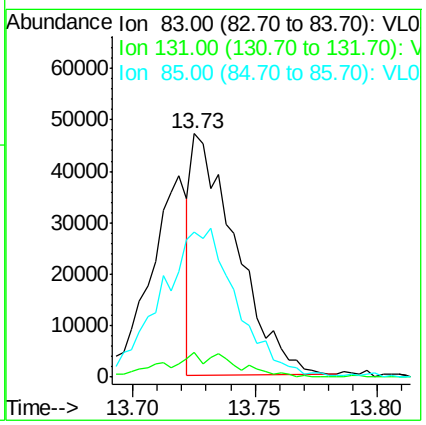


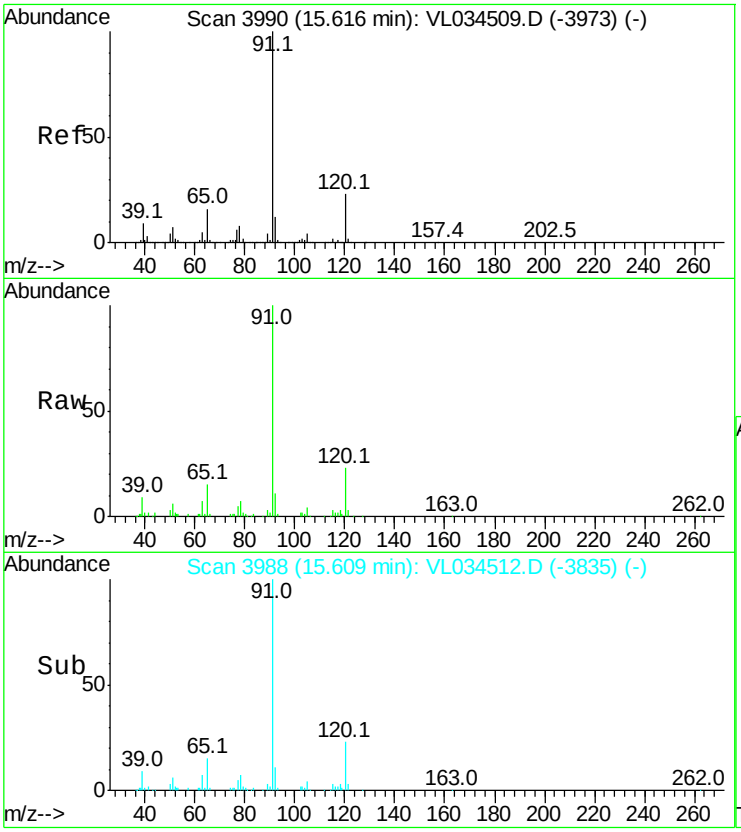


#63
1,1,2,2-Tetrachloroethane
Concen: 0.285 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 83 Resp: 59307

Ion	Ratio	Lower	Upper
83	100		
131	16.0	4.8	14.4#
85	106.4	32.5	97.4#



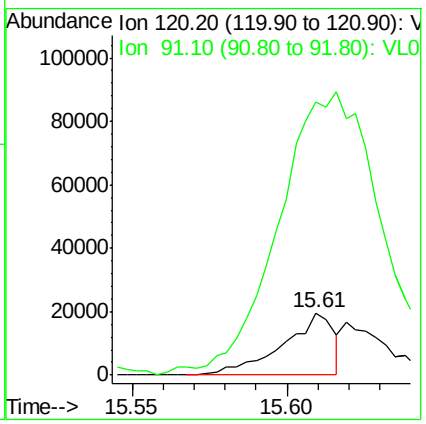


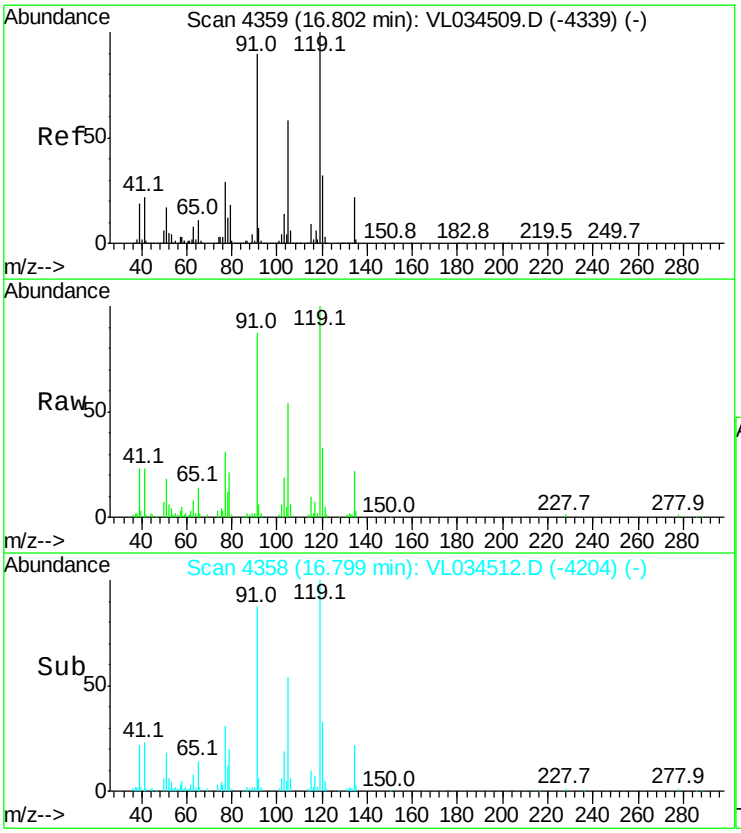
#64
n-propylbenzene
Concen: 0.236 ppbv
RT: 15.61 min Scan# 3988
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:120 Resp: 22442

Ion	Ratio	Lower	Upper
120	100		
91	523.1	375.6	563.4

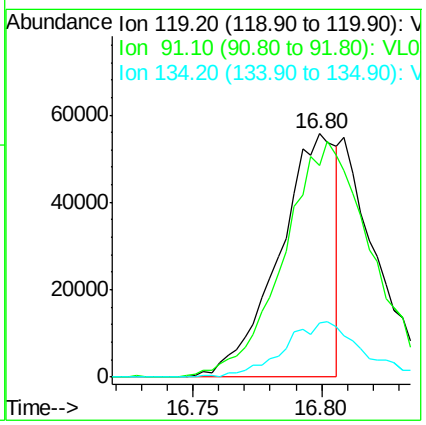


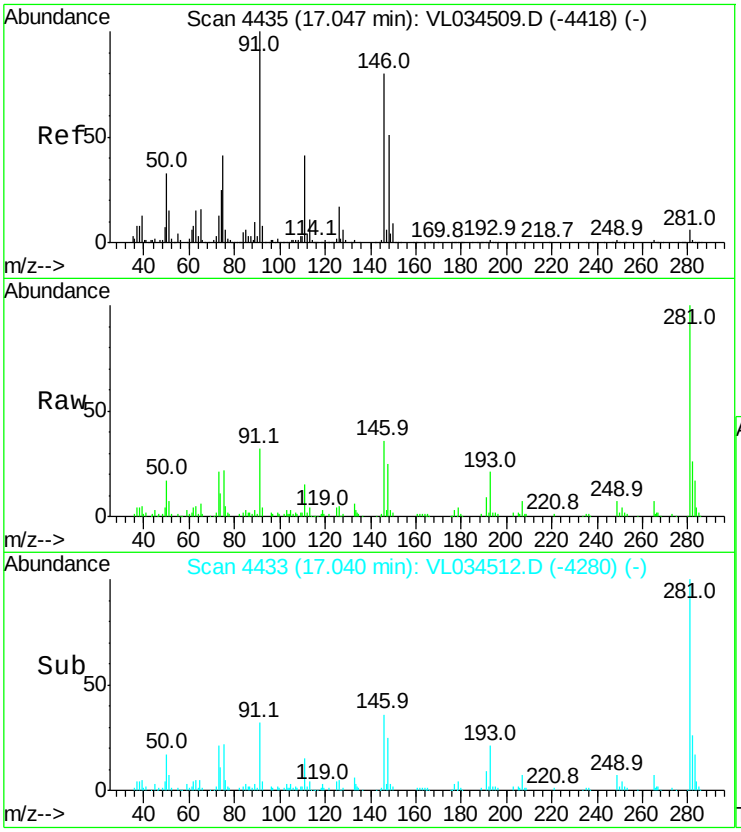


#65
tert-Butylbenzene
Concen: 0.262 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:119 Resp: 85962

Ion	Ratio	Lower	Upper
119	100		
91	153.2	72.0	108.0#
134	32.0	16.1	24.1#



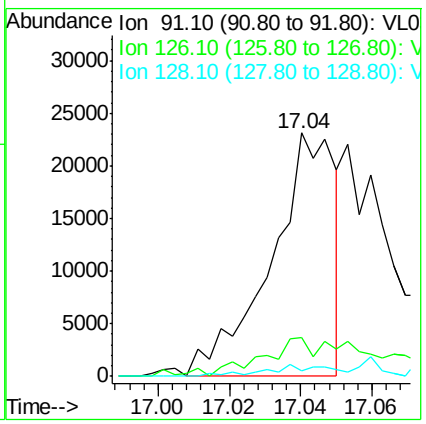


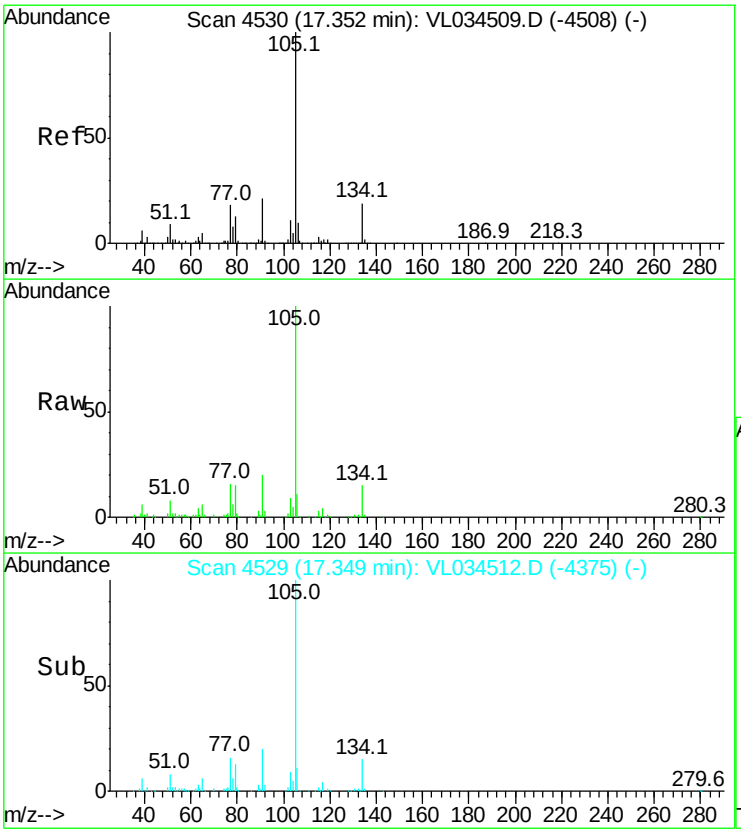
#66
Benzyl Chloride
Concen: 0.228 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 28774

Ion	Ratio	Lower	Upper
91	100		
126	28.8	13.1	19.7#
128	4.7	4.2	6.4

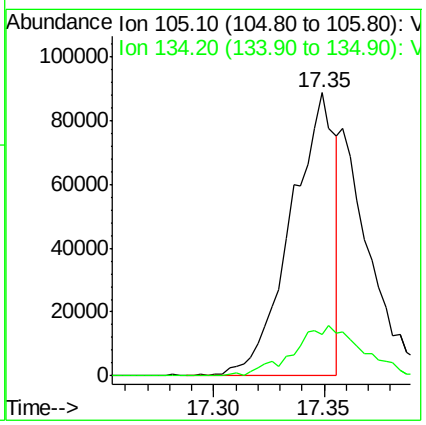


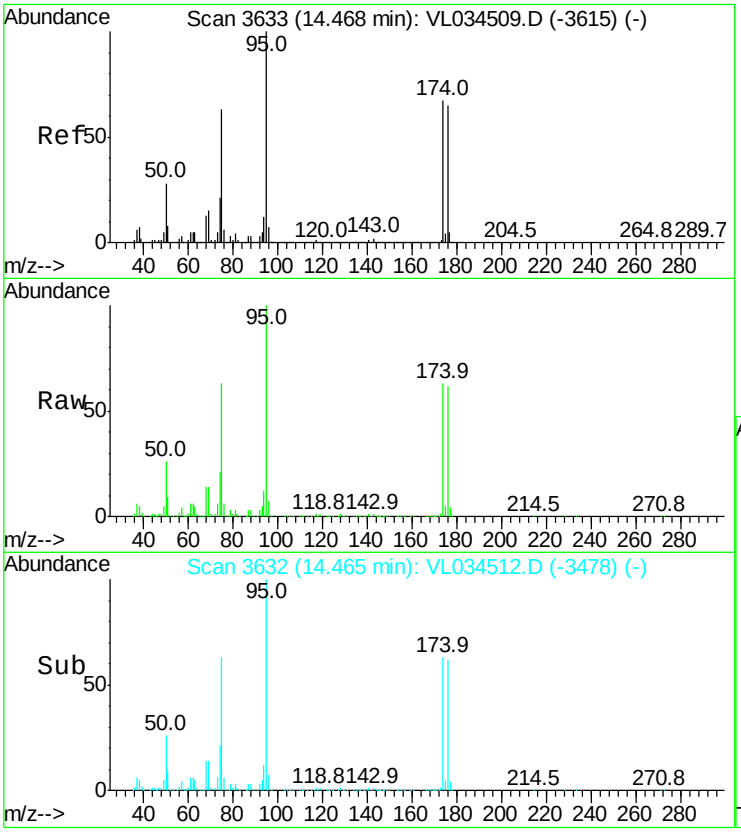


#67
sec-Butylbenzene
Concen: 0.268 ppbv
RT: 17.35 min Scan# 4529
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:105 Resp: 123237

Ion	Ratio	Lower	Upper
105	100		
134	27.5	15.1	22.7#



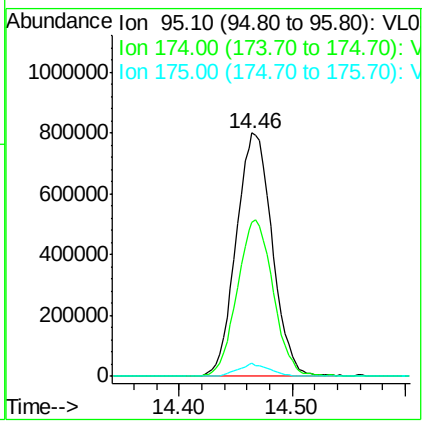


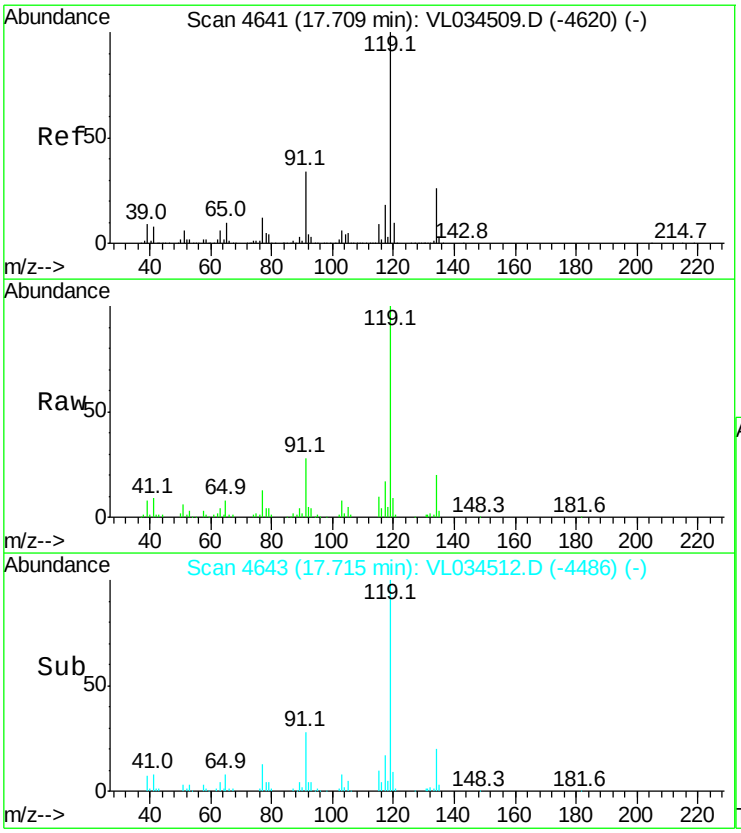
#68
1-Bromo-4-Fluorobenzene
Concen: 10.111 ppbv
RT: 14.46 min Scan# 3632
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 95 Resp: 1774260

Ion	Ratio	Lower	Upper
95	100		
174	64.1	52.4	78.6
175	4.7	3.9	5.9

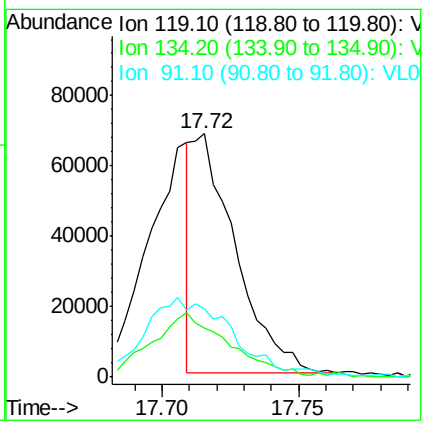


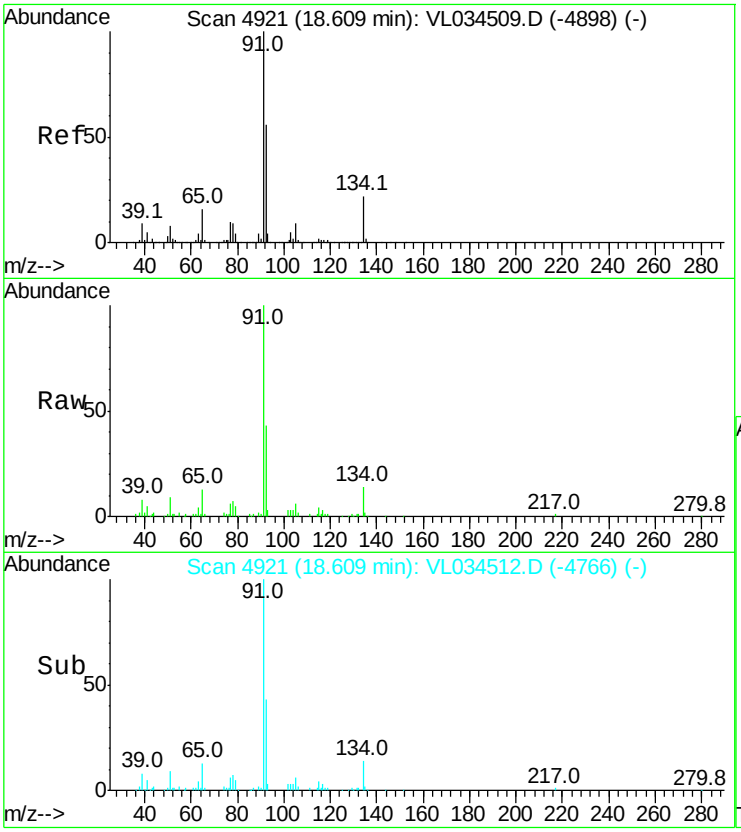


#69
p-Isopropyltoluene
Concen: 0.195 ppbv
RT: 17.72 min Scan# 4643
Delta R.T. 0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:119 Resp: 74417

Ion	Ratio	Lower	Upper
119	100		
134	50.8	20.7	31.1#
91	70.5	26.6	39.8#



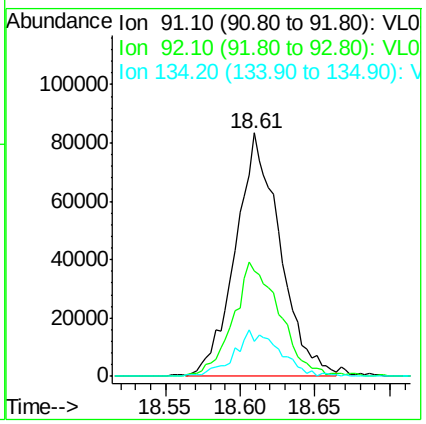


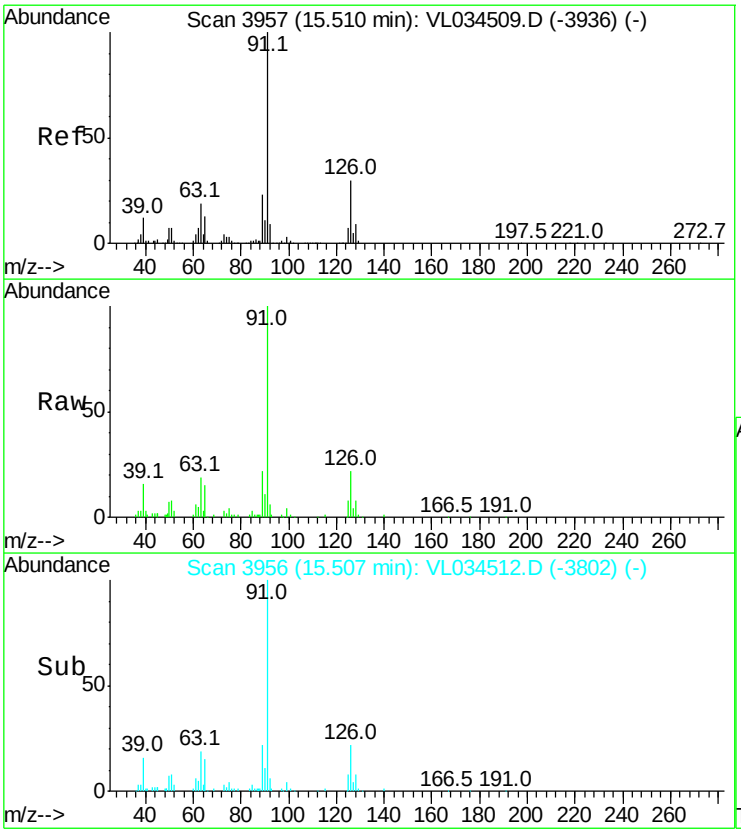
#70
n-Butylbenzene
Concen: 0.419 ppbv
RT: 18.61 min Scan# 4921
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 172042

Ion	Ratio	Lower	Upper
91	100		
92	49.4	43.8	65.6
134	19.5	18.0	27.0

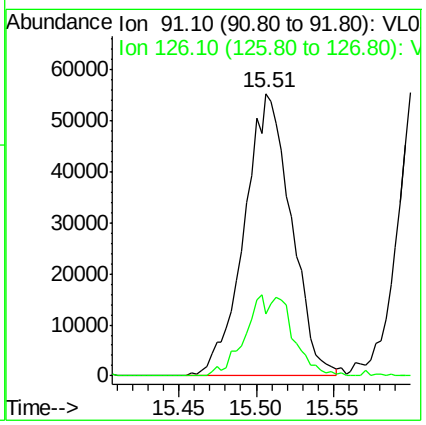


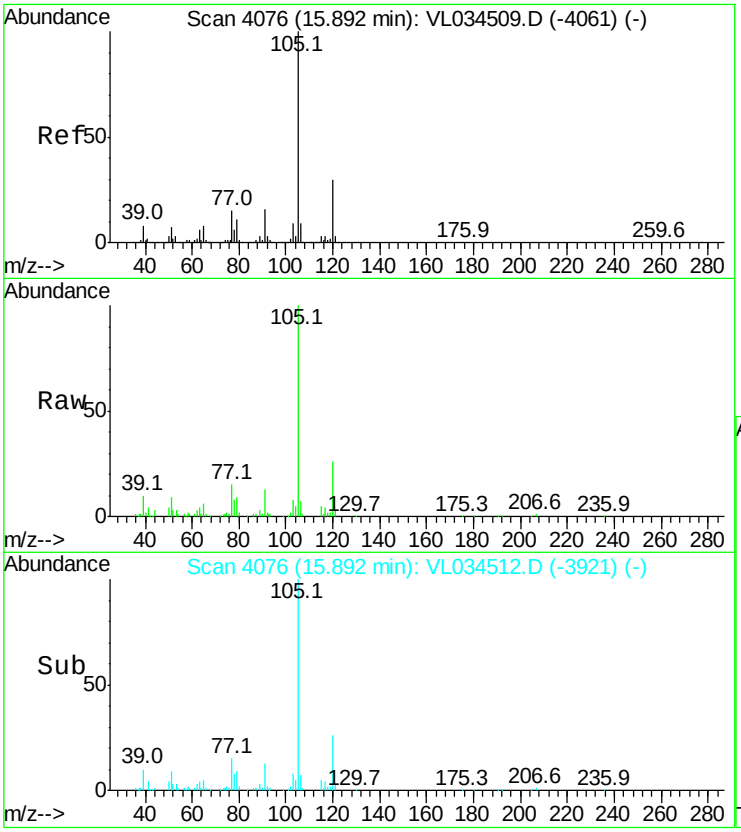


#71
2-Chlorotoluene
Concen: 0.401 ppbv
RT: 15.51 min Scan# 3956
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion: 91 Resp: 117098

Ion	Ratio	Lower	Upper
91	100		
126	28.8	12.0	47.8



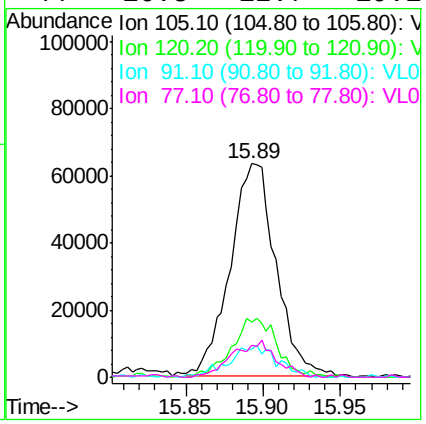


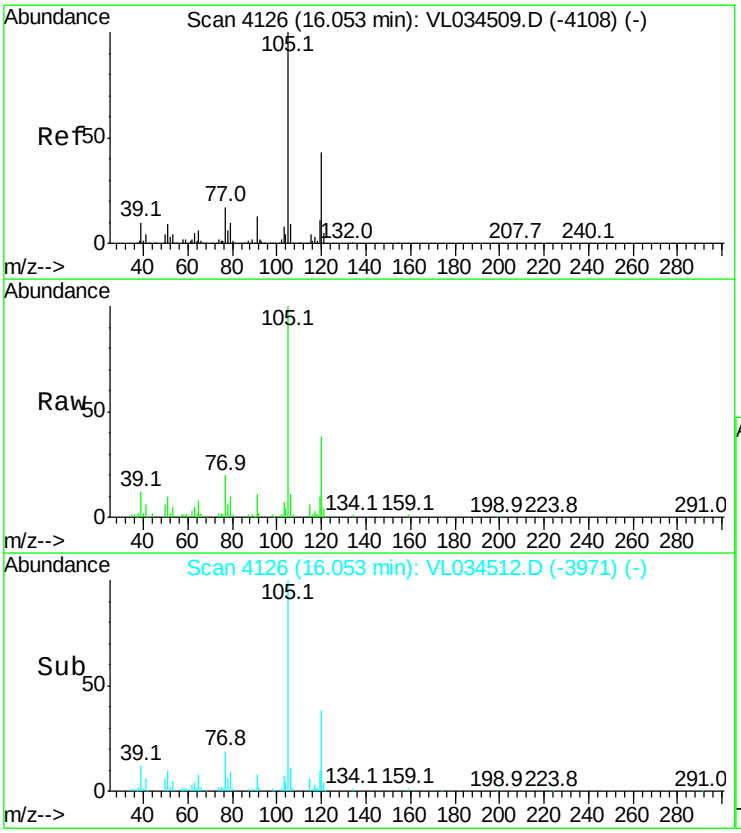
#72
4-Ethyltoluene
Concen: 0.404 ppbv
RT: 15.89 min Scan# 4076
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 129216

Ion	Ratio	Lower	Upper
105	100		
120	27.8	23.7	35.5
91	16.1	11.5	17.3
77	16.8	12.7	19.1

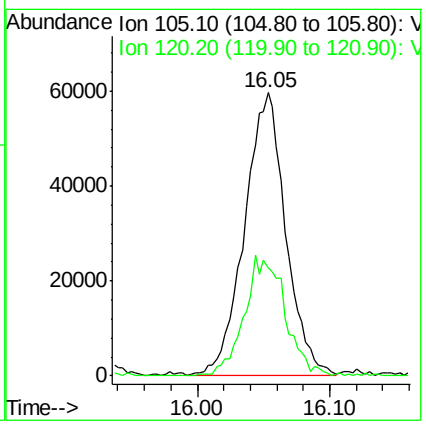


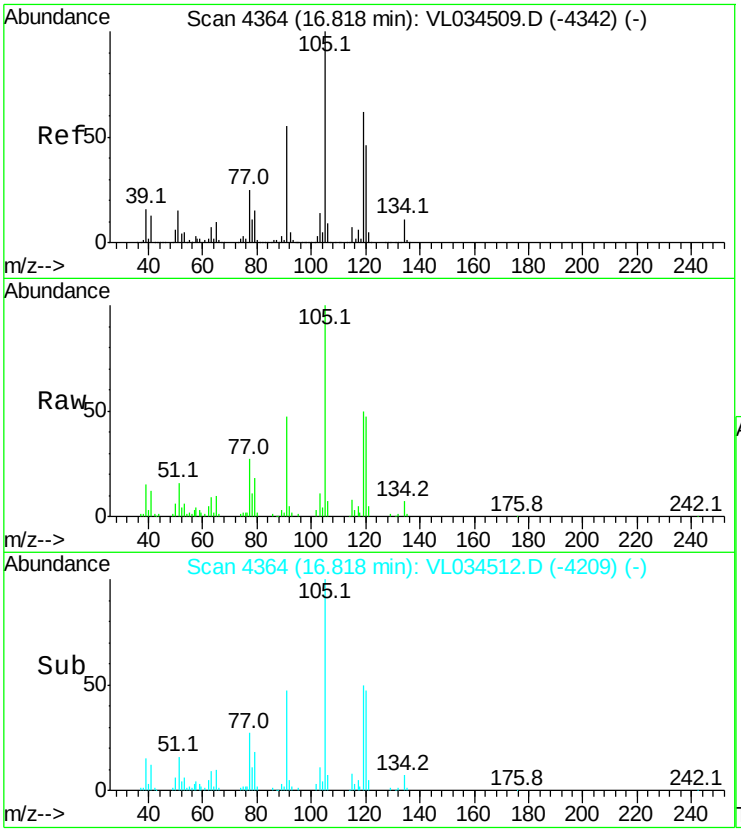


#73
1,3,5-Trimethylbenzene
Concen: 0.413 ppbv
RT: 16.05 min Scan# 4126
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:105 Resp: 129077

Ion	Ratio	Lower	Upper
105	100		
120	38.1	34.6	52.0



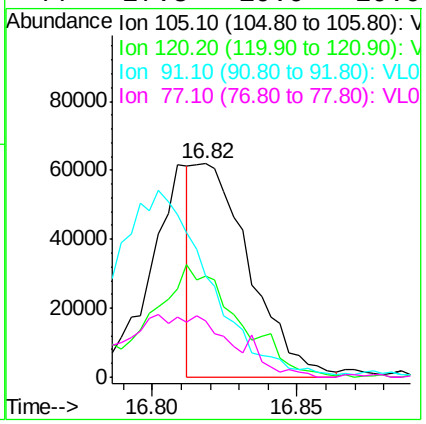


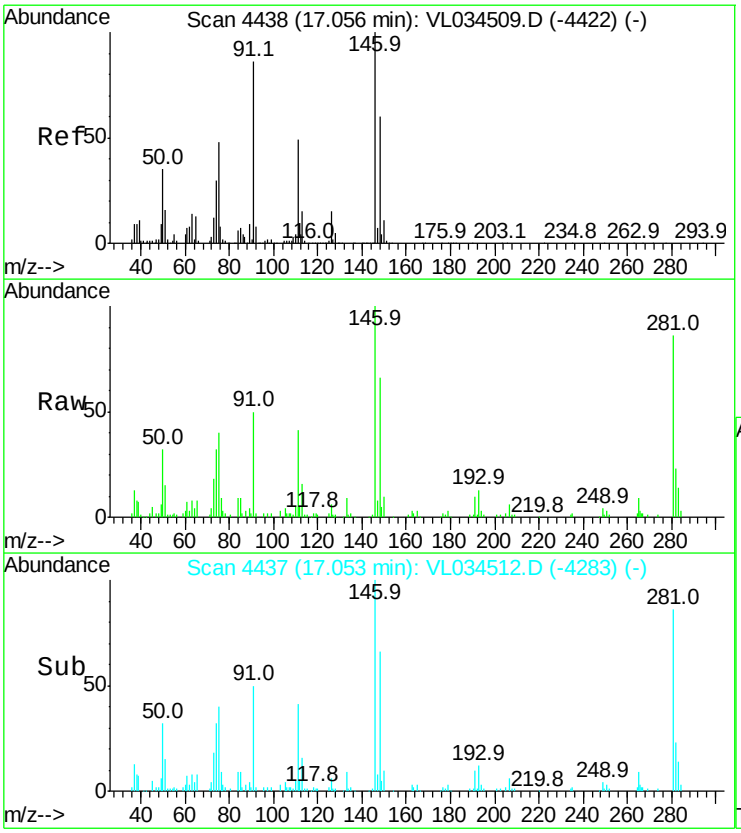
#74
1,2,4-Trimethylbenzene
Concen: 0.252 ppbv
RT: 16.82 min Scan# 4364
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 83756

Ion	Ratio	Lower	Upper
105	100		
120	47.6	36.7	55.1
91	47.2	44.0	66.0
77	27.3	19.9	29.9

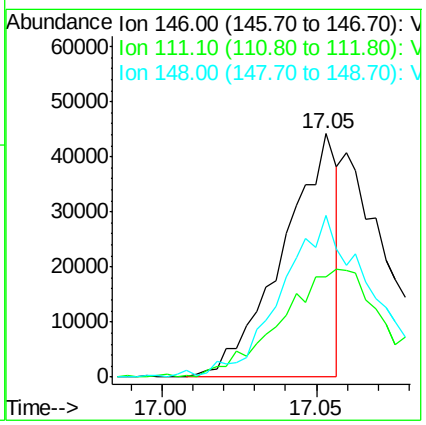


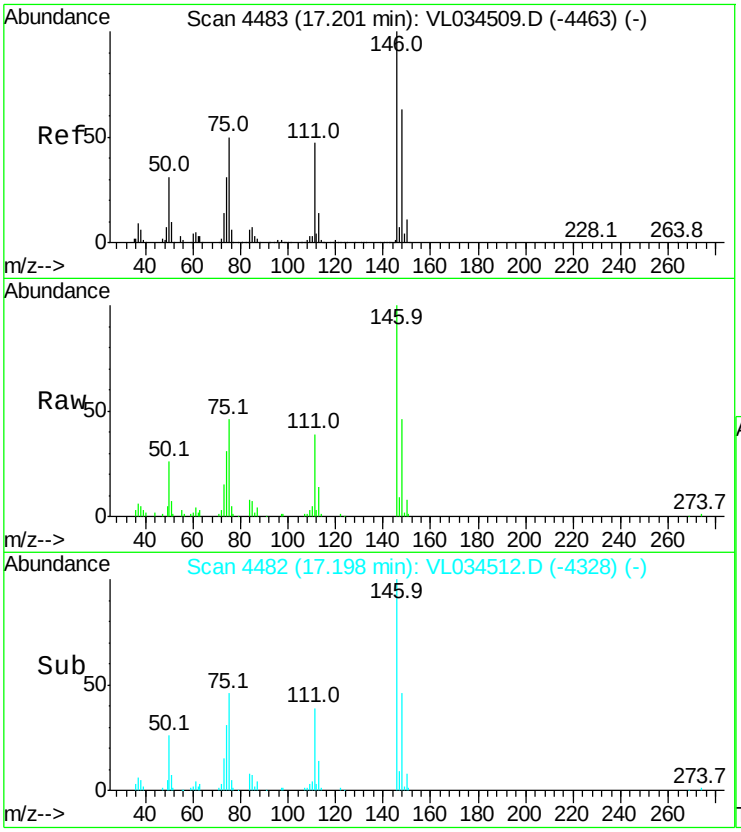


#75
1,3-Dichlorobenzene
Concen: 0.281 ppbv
RT: 17.05 min Scan# 4437
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:146 Resp: 53735

Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.1	75.3#
148	113.9	33.0	99.0#



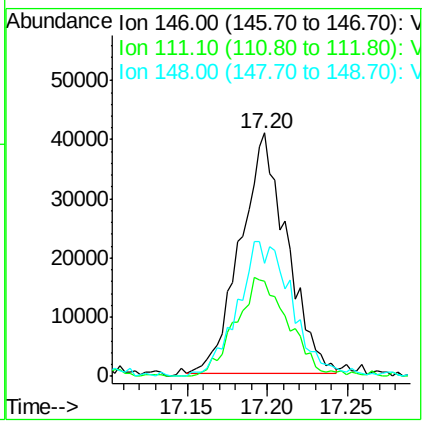


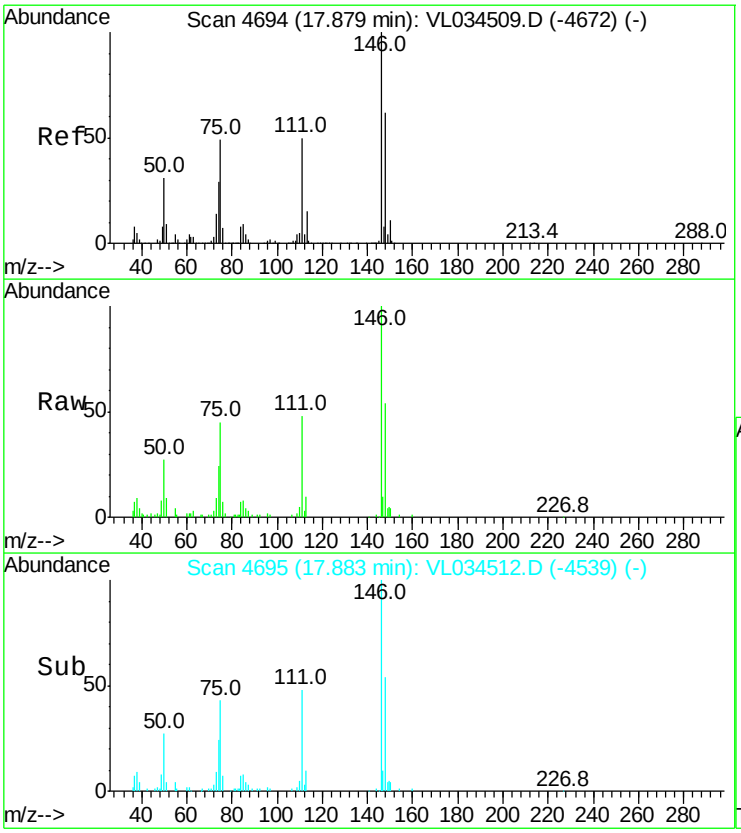
#76
1,4-Dichlorobenzene
Concen: 0.438 ppbv
RT: 17.20 min Scan# 4482
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 81334

Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.5	70.6
148	66.3	32.1	96.3

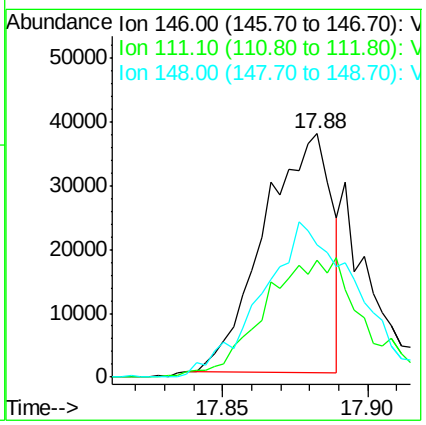


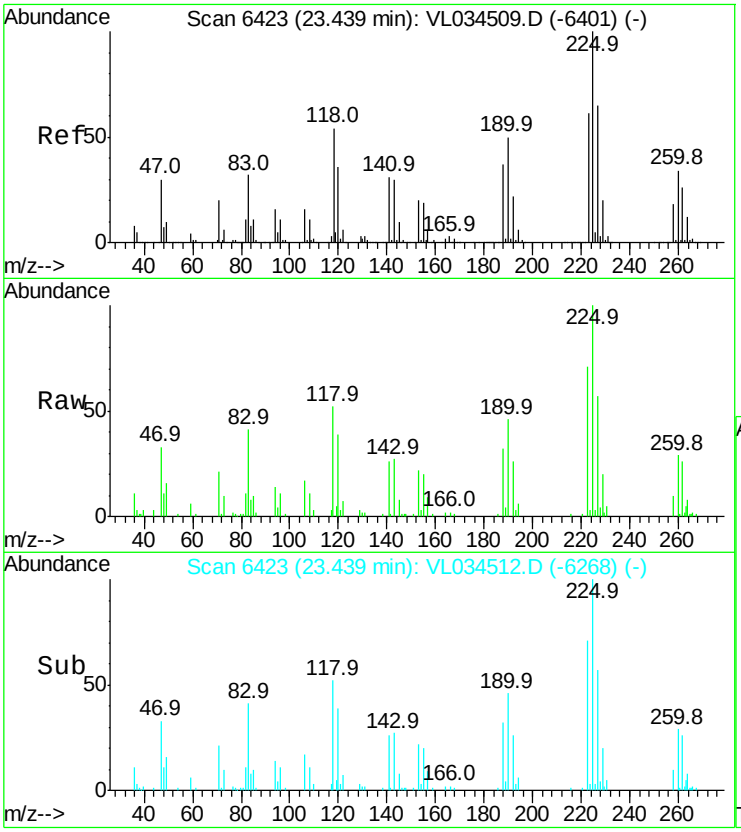


#77
1,2-Dichlorobenzene
Concen: 0.329 ppbv
RT: 17.88 min Scan# 4695
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:146 Resp: 60750

Ion	Ratio	Lower	Upper
146	100		
111	0.0	25.3	75.8#
148	93.2	32.1	96.3



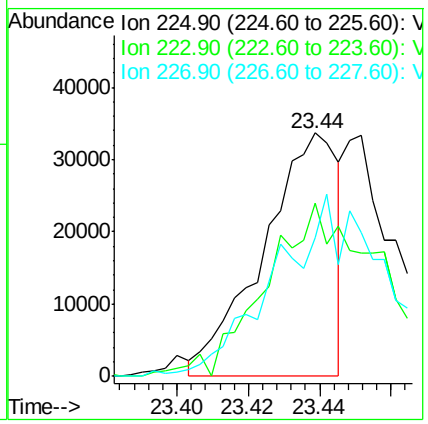


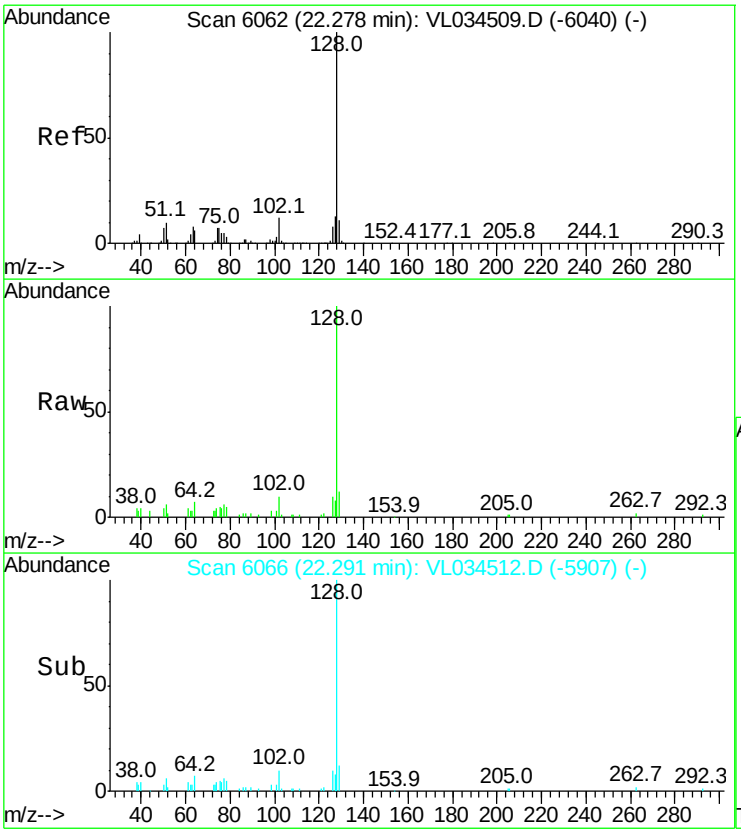
#78
Hexachloro-1,3-Butadiene
Concen: 0.307 ppbv
RT: 23.44 min Scan# 6423
Delta R.T. -0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:225 Resp: 48738

Ion	Ratio	Lower	Upper
225	100		
223	109.5	51.0	76.6#
227	108.7	51.8	77.6#

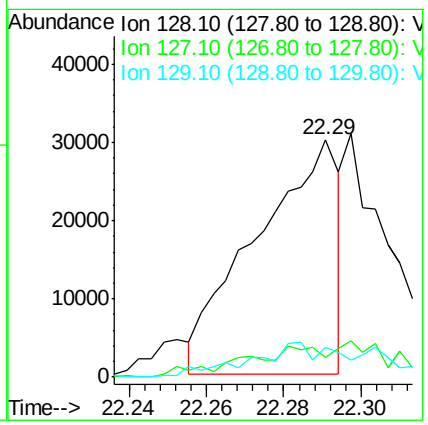


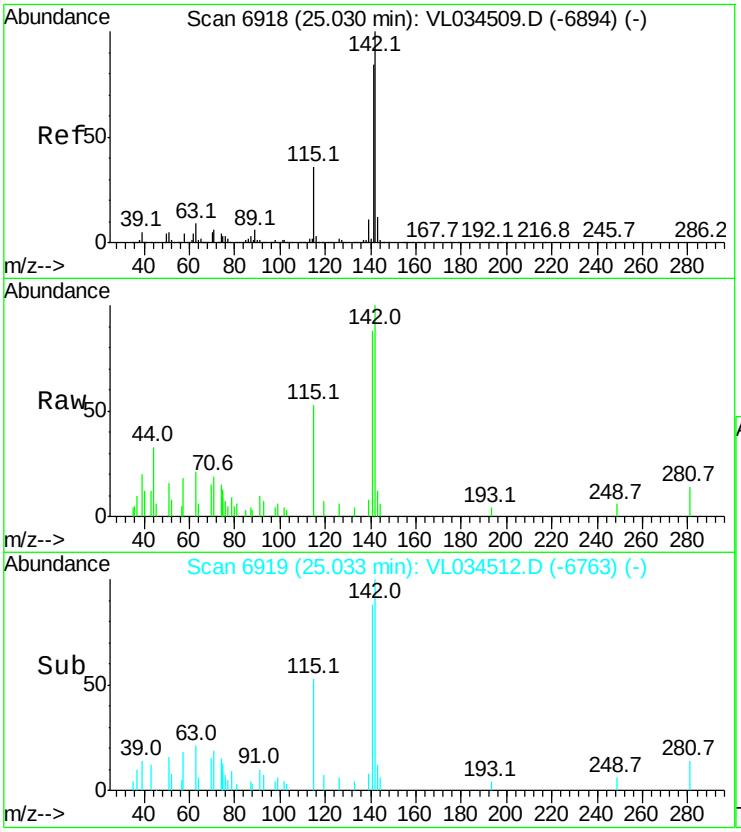


#79
Naphthalene
Concen: 0.155 ppbv
RT: 22.29 min Scan# 6066
Delta R.T. 0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:128 Resp: 44537

Ion	Ratio	Lower	Upper
128	100		
127	6.5	10.6	15.8#
129	9.4	8.7	13.1



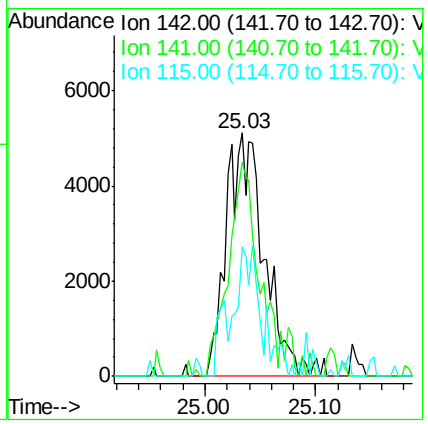


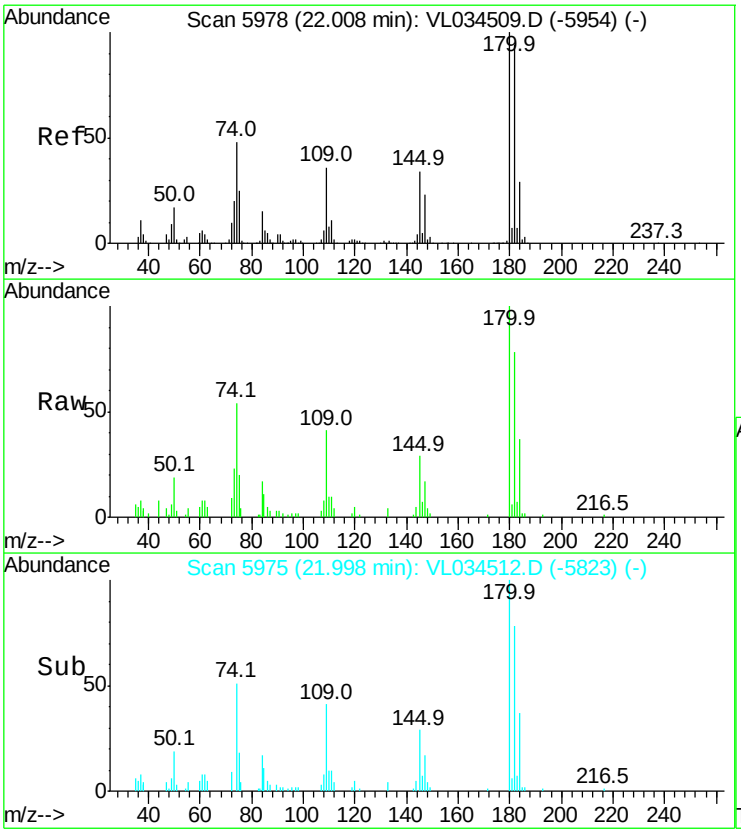
#80
Naphthalene,2-methyl-
Concen: 0.094 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:142 Resp: 12192

Ion	Ratio	Lower	Upper
142	100		
141	76.1	65.8	98.8
115	43.4	30.4	45.6





#81
1,2,4-Trichlorobenzene
Concen: 0.097 ppbv
RT: 22.00 min Scan# 5975
Delta R.T. -0.01 min
Lab File: VL034512.D
Acq: 30 Dec 2019 12:20

Tgt Ion:180 Resp: 17108

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.8	116.8#
184	118.2	25.2	37.8#