Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080519\

Quantitation Report (Not Reviewed)

Data File : VL034091.D
Acq On : 5 Aug 2019 15:53
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Aug 05 16:32:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 13:52:58 2019
QLast Update : Mon Aug 05 13:52:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.71	49	1188799	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.24	114	2381698	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.18	117	2431995	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.52	95	2014358	9.37	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	7894	0.035	ppbv	#	88
3) Chlorodifluoromethane	2.99	51	5969	0.043	ppbv		94
4) Chloromethane	3.14	50	1273	0.016	ppbv		89
5) Vinyl Chloride	3.26	62	2176	0.027	ppbv		89
6) Bromomethane	3.48	94	542	0.009	ppbv	#	61
7) Chloroethane	3.56	64	596	0.015	ppbv	#	43
8) Dichlorotetrafluoroethane	3.19	85	5495	0.025	ppbv		96
9) Propene	3.00	41	3019	0.056	ppbv	#	15
10) Heptane	8.19	43	4713	0.031	ppbv	#	30
11) Trichlorofluoromethane	3.97	101	4042	0.018	ppbv	#	55
12) 1,1,2-Trichlorotrifluoroet	4.52	101	2612	0.015	ppbv	#	33
13) Ethanol	3.61	45	164	0.007	ppbv	#	38
14) Bromoethene	3.75	108	705	0.007	ppbv	#	1
15) Acetone	3.86	43	219	0.001	ppbv	#	49
16) 1,3-Butadiene	3.33	39	922	0.013	ppbv	#	10
17) tert-Butyl alcohol	4.32	59	87	0.001	ppbv	#	1
18) 1,1-Dichloroethene	4.31	96	1247	0.016	ppbv		83
19) Isopropyl Alcohol	3.99	45	130	0.001	ppbv	#	44
20) Methylene Chloride	4.37	84	4045	0.057	ppbv	#	77
21) Allyl Chloride	4.43	41	1350	0.011	ppbv	#	21
22) trans-1,2-Dichloroethene	4.92	96	1346	0.017	ppbv	#	37
23) Vinyl Acetate	5.11	43	3001	0.015	ppbv	#	75
24) 1,1-Dichloroethane	5.05	63	7060	0.042	ppbv	#	90
25) Ethyl Acetate	5.71	43	798	0.003	ppbv	#	75
26) Hexane	5.72	57	3182	0.024	ppbv	#	1
27) Carbon Disulfide	4.58	76	2322	0.012	ppbv	#	1
28) Methyl tert-Butyl Ether	5.04	73	127	0.001	ppbv	#	51
29) Chloroform	5.81	83	927	0.004	ppbv		86
30) Cyclohexane	7.19	84	737	0.007	ppbv	#	1
31) cis-1,2-Dichloroethene	5.59	61	3040	0.024	ppbv	#	78
32) 1,1,1-Trichloroethane	6.57	97	6842	0.028	ppbv		95
34) 2-Butanone	5.28	43	205	0.002	ppbv	#	56
35) Carbon Tetrachloride	7.08	117	1796	0.009	ppbv	#	64
36) Benzene	6.94	78	3666	0.016	ppbv		96
37) 1,2-Dichloroethane	6.36	62	833	0.006	ppbv	#	1
38) Trichloroethene	7.90	130	2787	0.036	ppbv		93
39) 1,2-Dichloropropane	7.24	63	675508	8.226	ppbv	#	22
40) 1,4-Dioxane	7.89	88	87	0.003	ppbv	#	1
41) Tetrahydrofuran	6.10	42	161	0.002	ppbv	#	41
42) Bromodichloromethane	7.87	83	5079	0.027	ppbv	#	62
43) Methyl Methacrylate	8.07	69	398	0.005	ppbv	#	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080519\

Quantitation Report (Not Reviewed)

Data File : VL034091.D
Acq On : 5 Aug 2019 15:53
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Aug 05 16:32:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 13:52:58 2019
QLast Update : Mon Aug 05 13:52:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	11846	0.035	ppbv	#	52
45) t-1,3-Dichloropropene	9.37	75	777	0.008	ppbv		90
46) cis-1,3-Dichloropropene	8.78	75	1976	0.018	ppbv	#	85
47) 1,1,2-Trichloroethane	9.56	97	3932	0.044	ppbv	#	73
48) Dibromochloromethane	10.39	129	2700	0.018	ppbv	#	30
49) Bromoform	13.15	173	1984	0.015	ppbv	#	27
50) 4-Methyl-2-Pentanone	8.82	43	193	0.001	ppbv	#	40
51) 2-Hexanone	10.21	43	160	0.001	ppbv	#	29
52) Tetrachloroethene	11.32	164	1401	0.021	ppbv	#	63
53) Toluene	9.88	91	4028	0.018	ppbv	#	1
54) 1,2-Dibromoethane	10.70	107	2399	0.018	ppbv		85
56) 1,1,1,2-Tetrachloroethane	12.22	131	686	0.006	ppbv	#	1
57) Chlorobenzene	12.24	112	1785	0.009	ppbv	#	46
58) Ethyl Benzene	13.15	91	132	0.000	ppbv		90
59) m/p-Xylene	13.08	91	4486	0.016	ppbv	#	29
60) o-Xylene	13.79	91	4513	0.016	ppbv	#	31
61) Styrene	13.62	104	92	0.000	ppbv	#	1
62) Isopropylbenzene	14.77	105	9482	0.025	ppbv	#	61
63) 1,1,2,2-Tetrachloroethane	13.78	83	1476	0.007	ppbv	#	10
64) n-propylbenzene	15.67	120	728	0.008	ppbv	#	1
65) tert-Butylbenzene	16.84	119	5385	0.016	ppbv	#	17
66) Benzyl Chloride	17.10	91	855	0.005	ppbv	#	64
67) sec-Butylbenzene	17.40	105	6086	0.013	ppbv	#	22
69) p-Isopropyltoluene	17.76	119	6366	0.016	ppbv	#	19
70) n-Butylbenzene	18.65	91	2312	0.005	ppbv	#	31
71) 2-Chlorotoluene	15.63	91	1023	0.004	ppbv		76
72) 4-Ethyltoluene	15.94	105	7424	0.023	ppbv	#	55
73) 1,3,5-Trimethylbenzene	16.09	105	7428	0.023	ppbv	#	60
74) 1,2,4-Trimethylbenzene	16.86	105	5331	0.015	ppbv	#	79
75) 1,3-Dichlorobenzene	17.10	146	1593	0.008	ppbv	#	1
76) 1,4-Dichlorobenzene	17.25	146	4635	0.024	ppbv	#	21
77) 1,2-Dichlorobenzene	17.92	146	3492	0.018	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.48	225	2082	0.012	ppbv	#	18
79) Naphthalene	22.34	128	4259	0.014	ppbv	#	95
80) Naphthalene,2-methyl-	25.08	142	2514	0.021	ppbv	#	63
81) 1,2,4-Trichlorobenzene	22.06	180	2026	0.010	ppbv	#	1

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

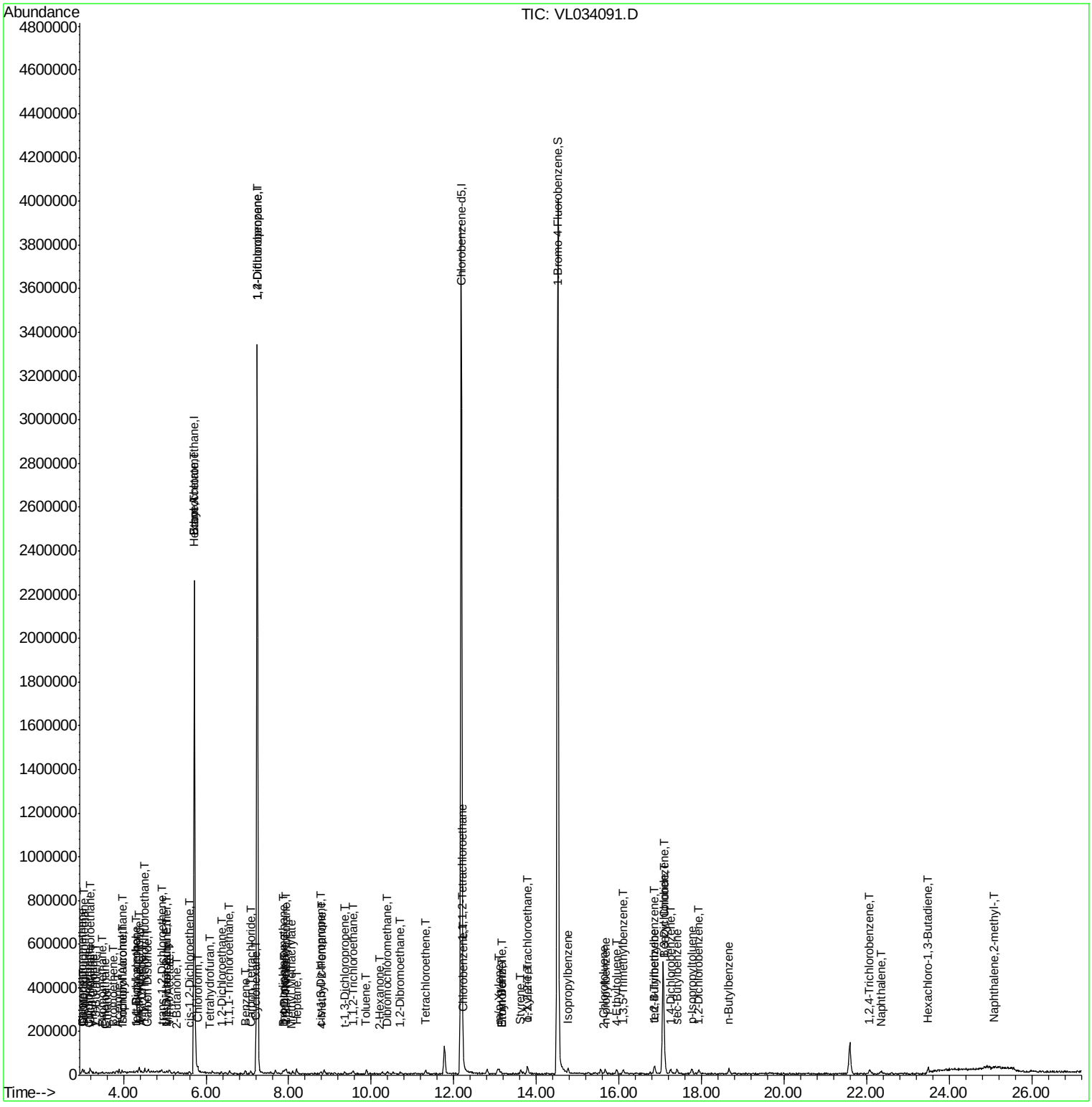
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080519\

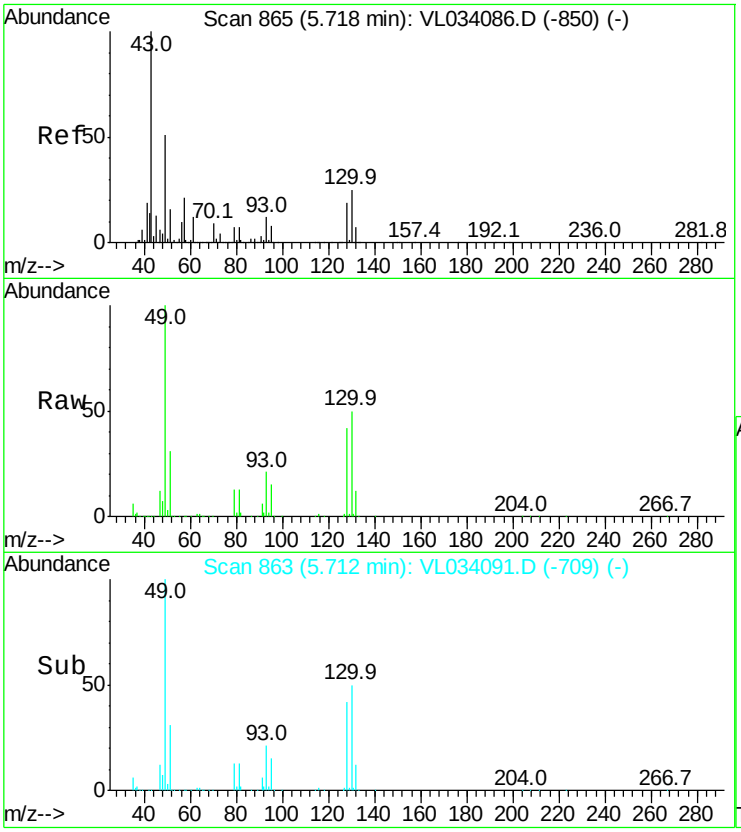
Quantitation Report (Not Reviewed)

Data File : VL034091.D
Acq On : 5 Aug 2019 15:53
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Aug 05 16:32:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 13:52:58 2019
QLast Update : Mon Aug 05 13:52:58 2019
Response via : Initial Calibration



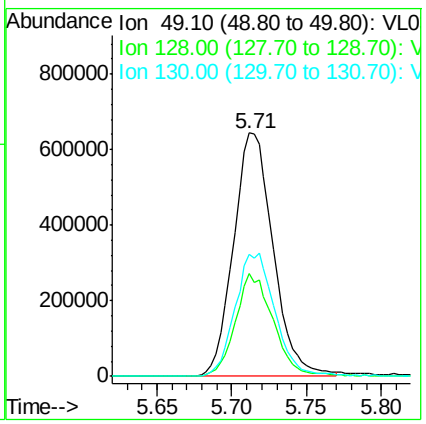


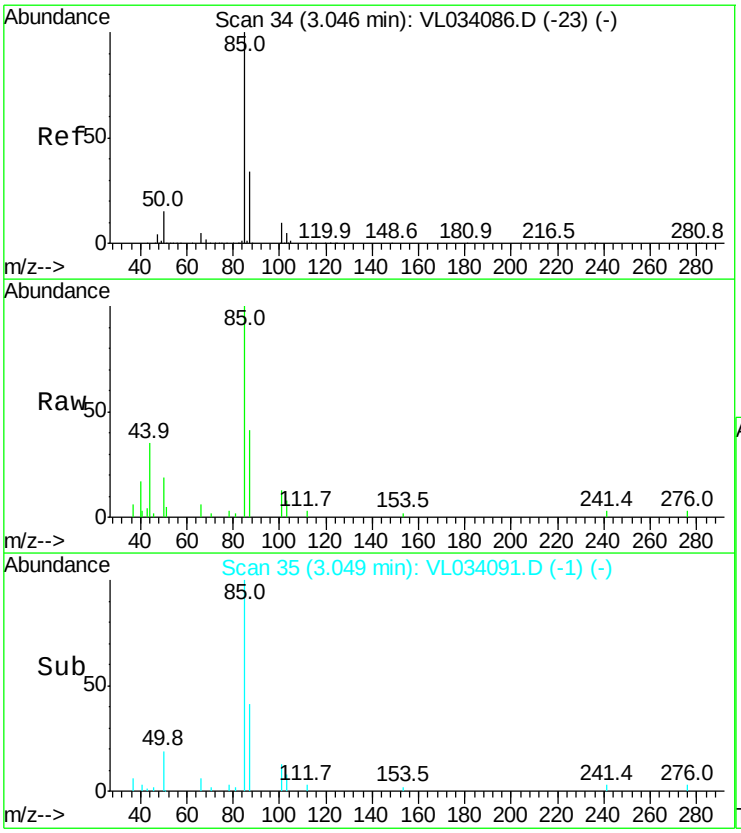
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 863
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 1188799

Ion	Ratio	Lower	Upper
49	100		
128	40.8	19.5	58.5
130	51.4	25.4	76.0

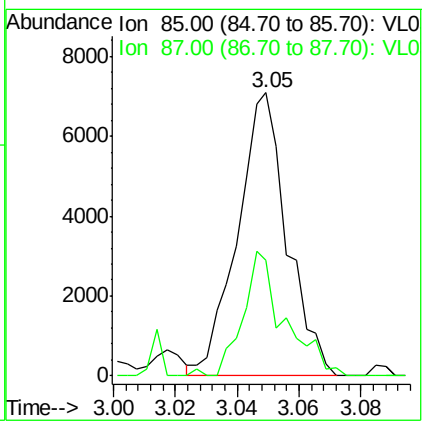


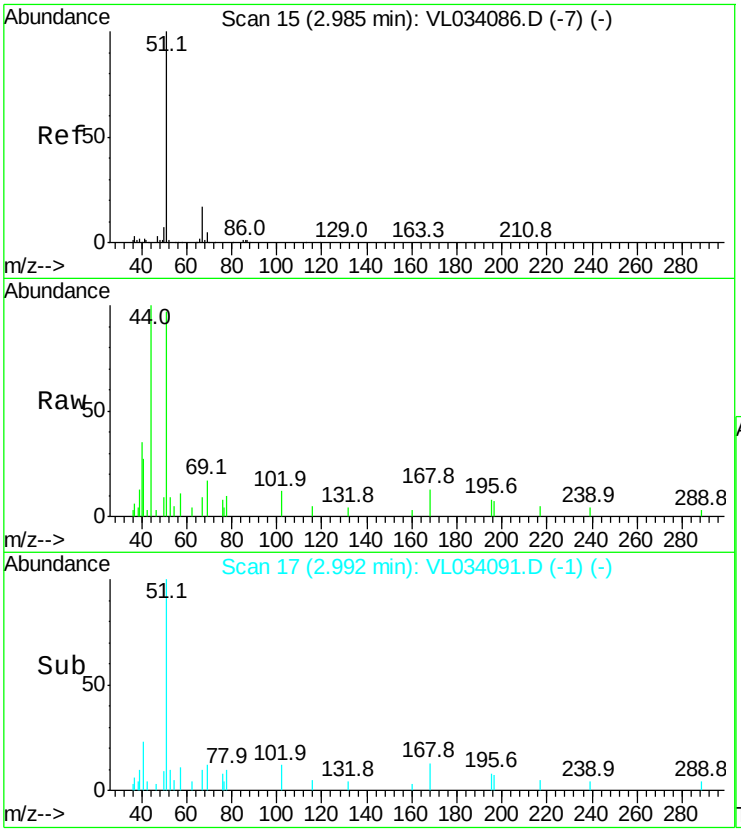


#2
Dichlorodifluoromethane
Concen: 0.035 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 85 Resp: 7894

Ion	Ratio	Lower	Upper
85	100		
87	40.8	27.1	40.7#



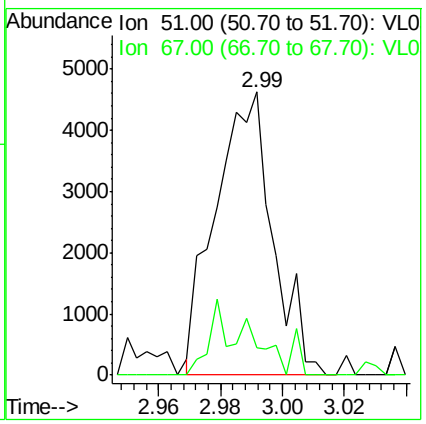


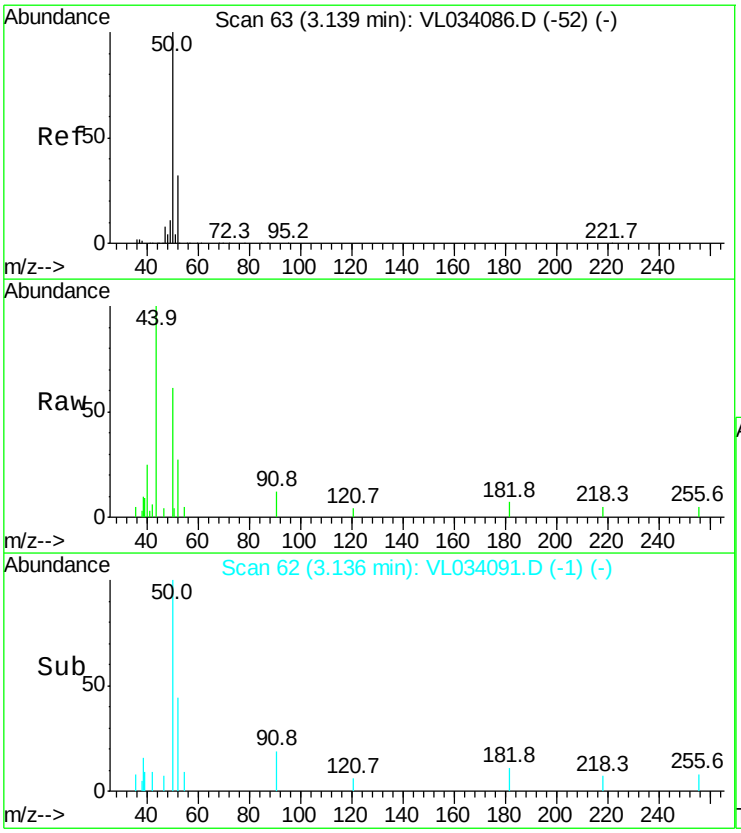
#3
Chlorodifluoromethane
Concen: 0.043 ppbv
RT: 2.99 min Scan# 17
Delta R.T. 0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 5969

Ion	Ratio	Lower	Upper
51	100		
67	19.0	13.3	19.9

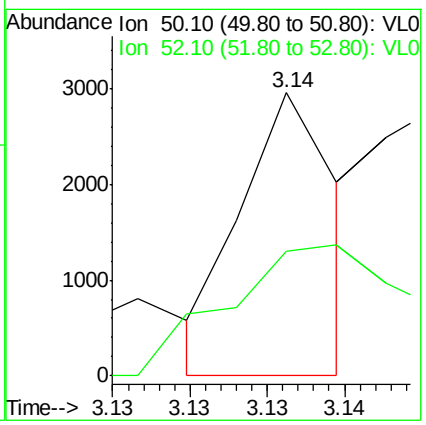


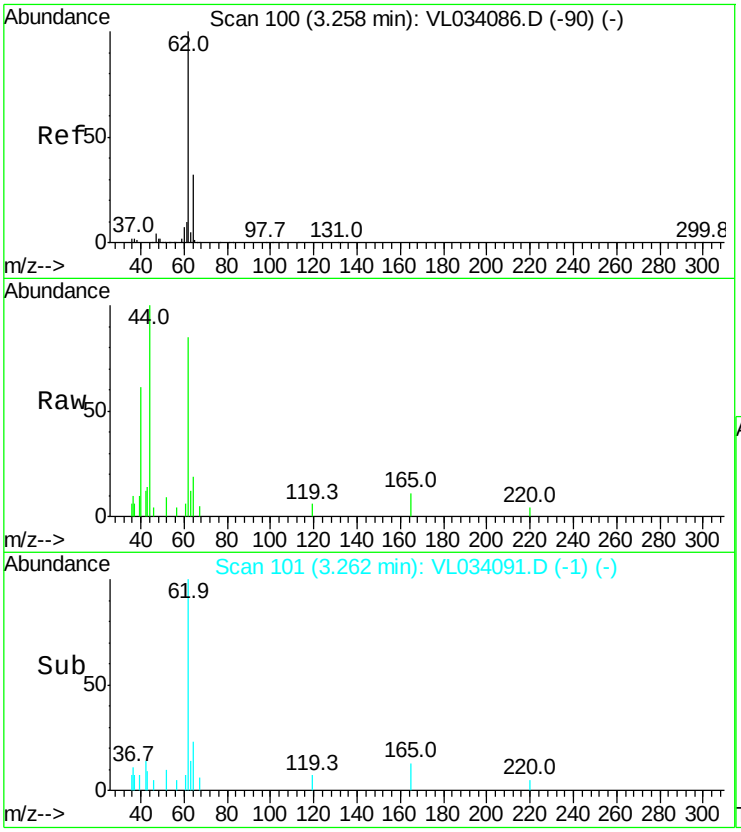


#4
Chloromethane
Concen: 0.016 ppbv
RT: 3.14 min Scan# 62
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 50 Resp: 1273

Ion	Ratio	Lower	Upper
50	100		
52	25.8	25.7	38.5



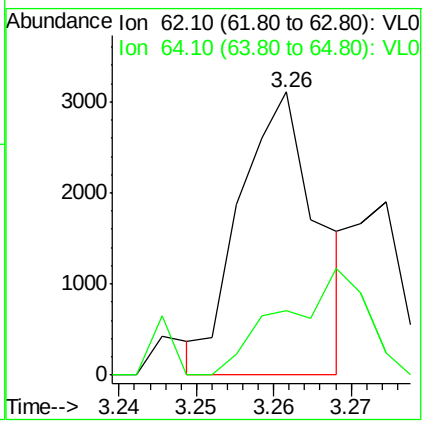


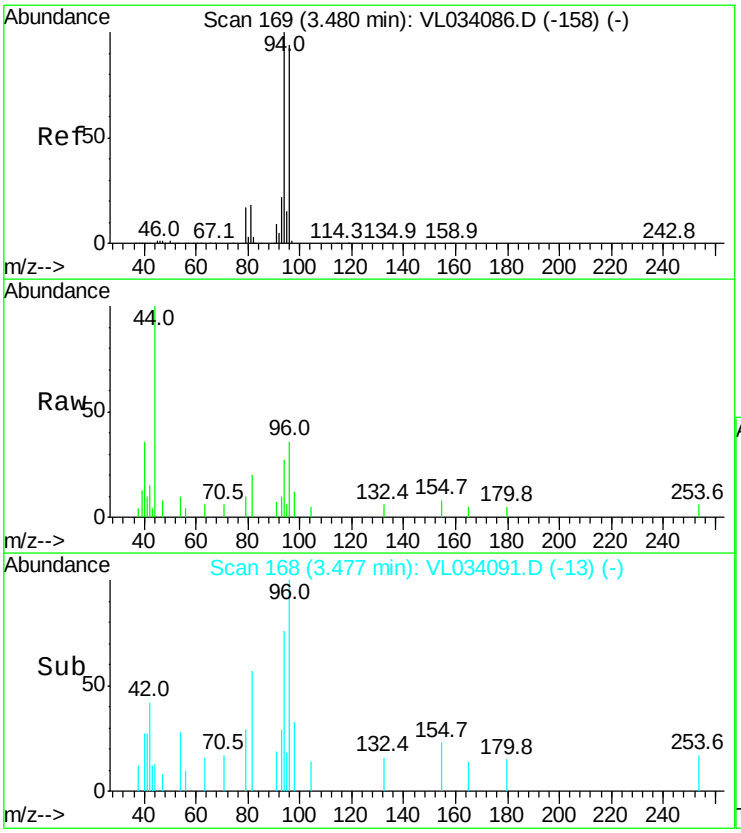
#5
Vinyl Chloride
Concen: 0.027 ppbv
RT: 3.26 min Scan# 101
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 2176

Ion	Ratio	Lower	Upper
62	100		
64	25.8	25.8	38.6

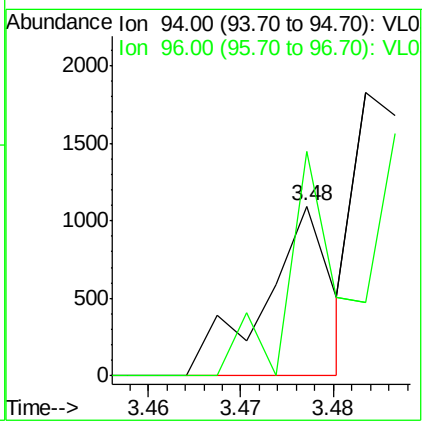


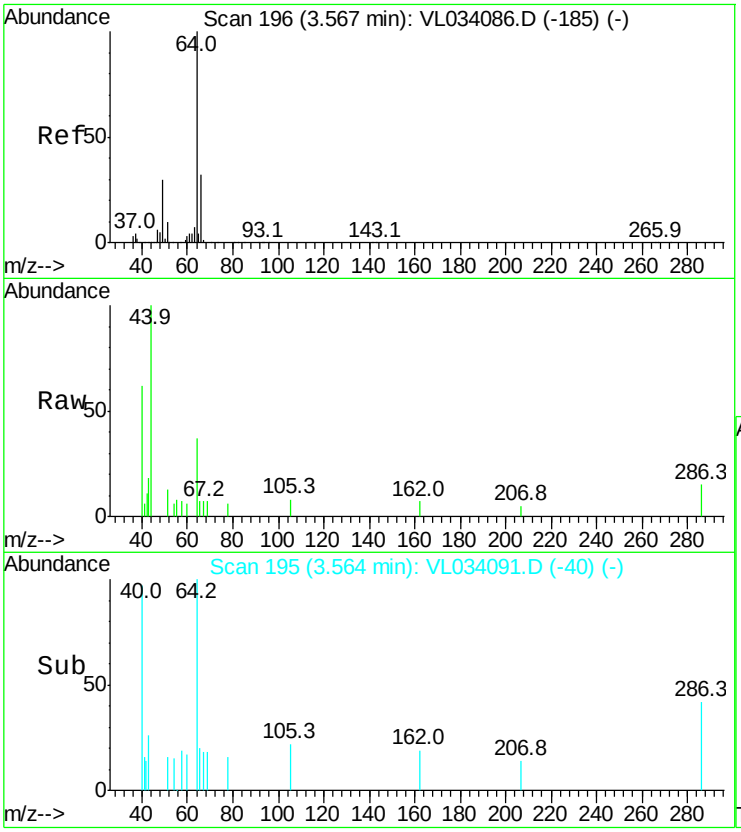


#6
Bromomethane
Concen: 0.009 ppbv
RT: 3.48 min Scan# 168
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 94 Resp: 542

Ion	Ratio	Lower	Upper
94	100		
96	132.2	75.3	112.9#



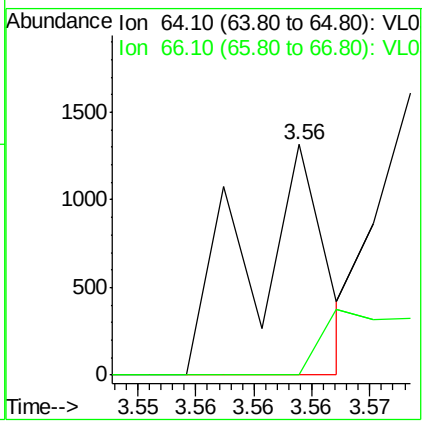


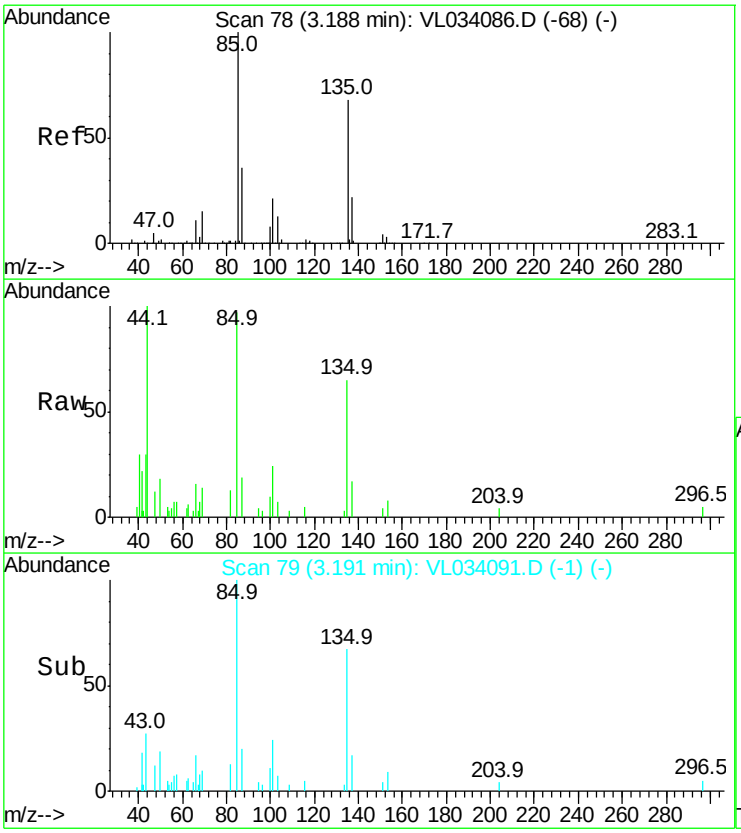
#7
Chloroethane
Concen: 0.015 ppbv
RT: 3.56 min Scan# 195
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 64 Resp: 596

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.2	37.8#

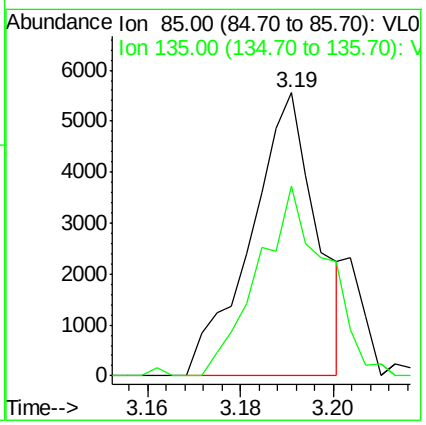


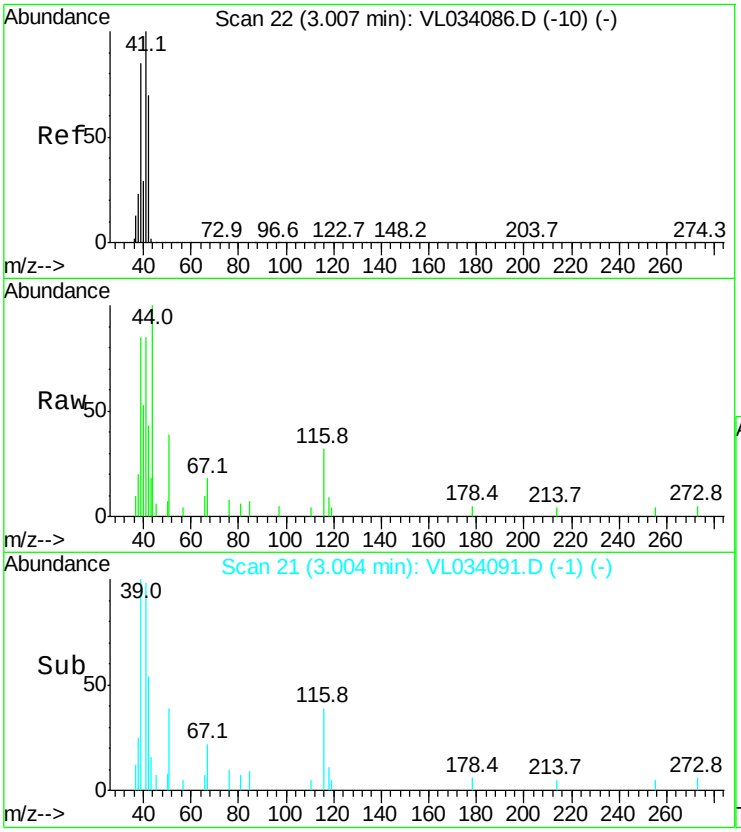


#8
Dichlorotetrafluoroethane
Concen: 0.025 ppbv
RT: 3.19 min Scan# 79
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 85 Resp: 5495

Ion	Ratio	Lower	Upper
85	100		
135	70.7	54.0	81.0



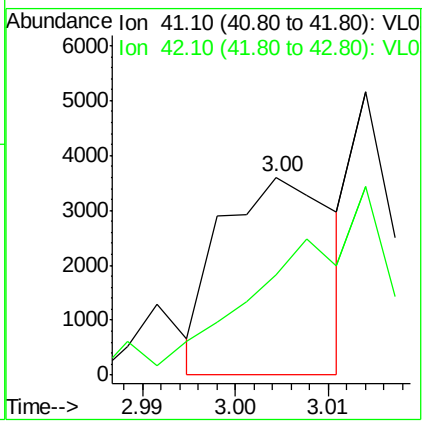


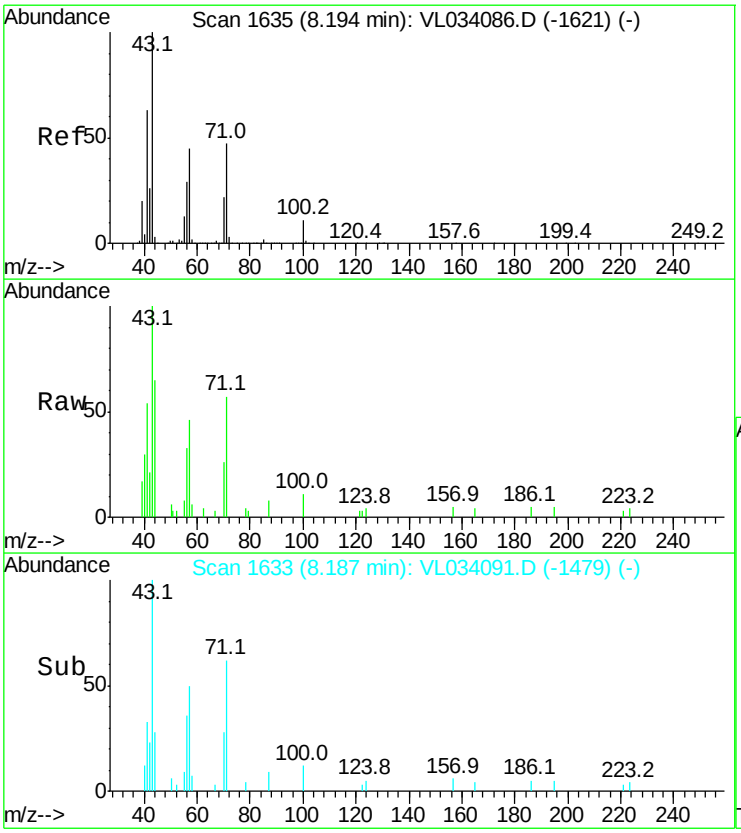
#9
Propene
Concen: 0.056 ppbv
RT: 3.00 min Scan# 21
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 3019

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.8	83.6#

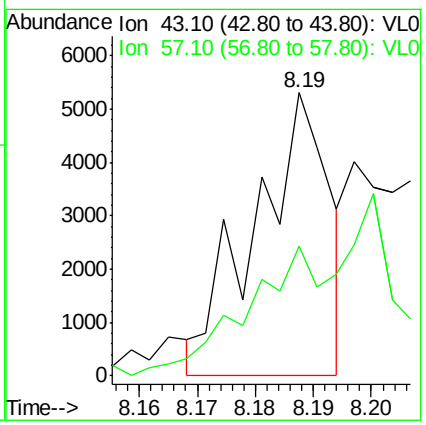


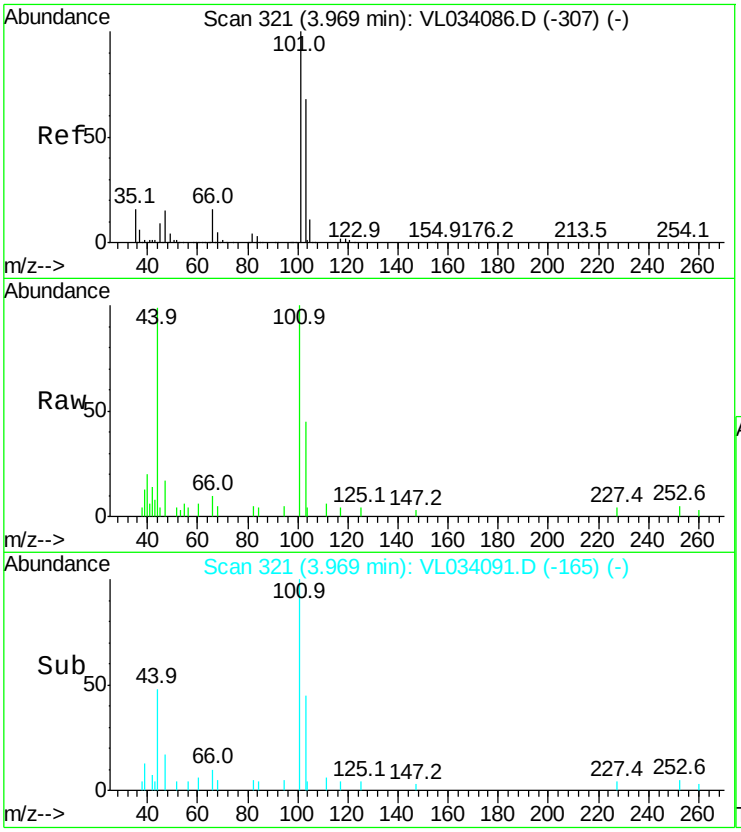


#10
Heptane
Concen: 0.031 ppbv
RT: 8.19 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 43 Resp: 4713

Ion	Ratio	Lower	Upper
43	100		
57	0.0	37.2	55.8#



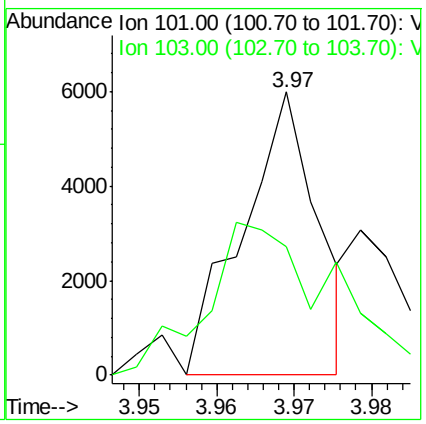


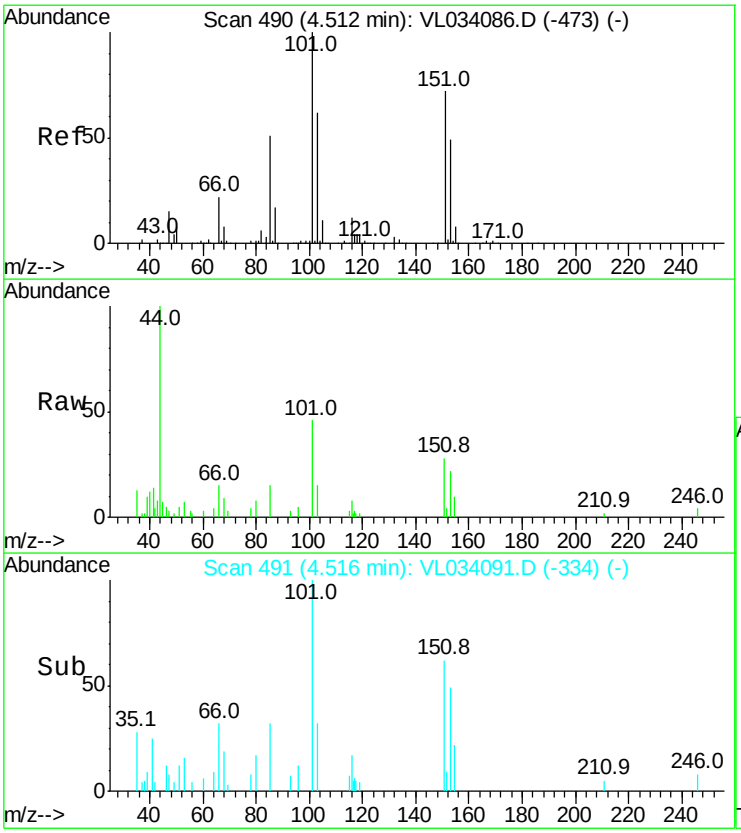
#11
Trichlorofluoromethane
Concen: 0.018 ppbv
RT: 3.97 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 4042

Ion	Ratio	Lower	Upper
101	100		
103	31.6	54.3	81.5#

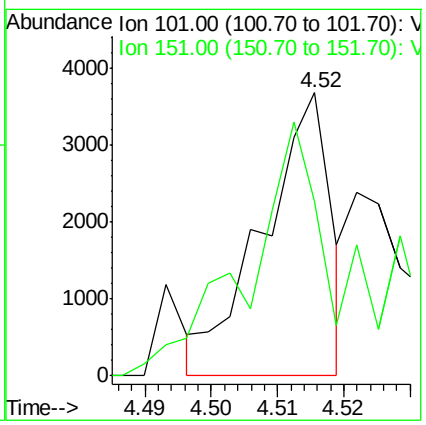


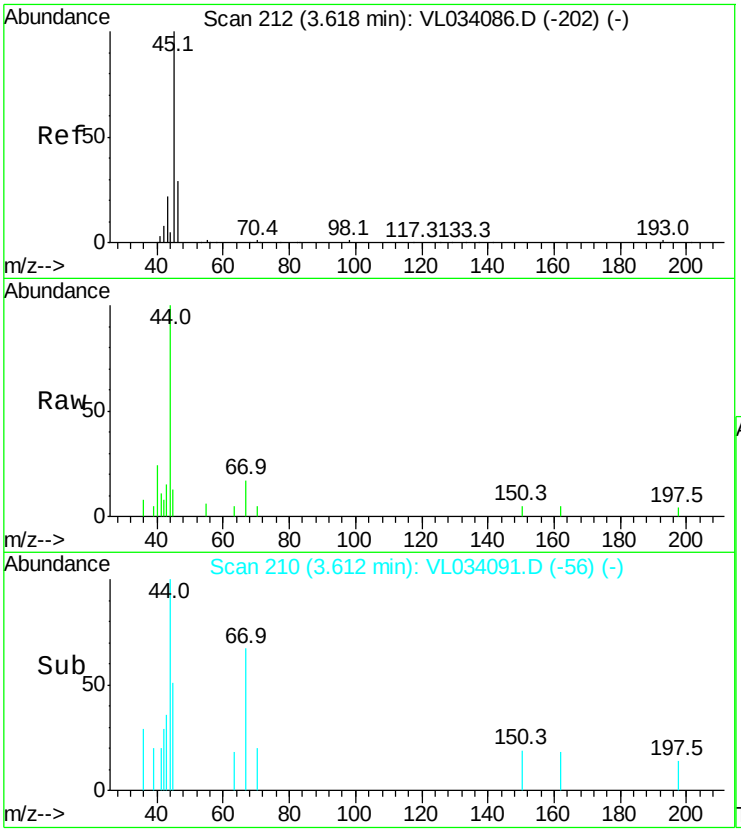


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.015 ppbv
RT: 4.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:101 Resp: 2612

Ion	Ratio	Lower	Upper
101	100		
151	131.3	59.4	89.0#



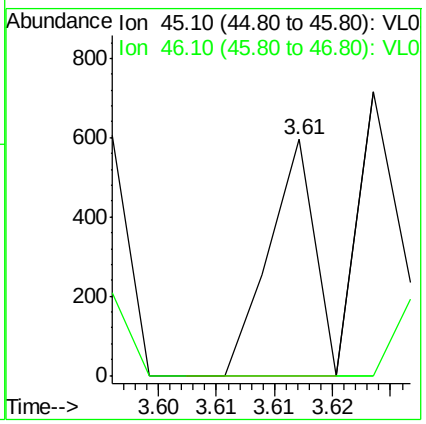


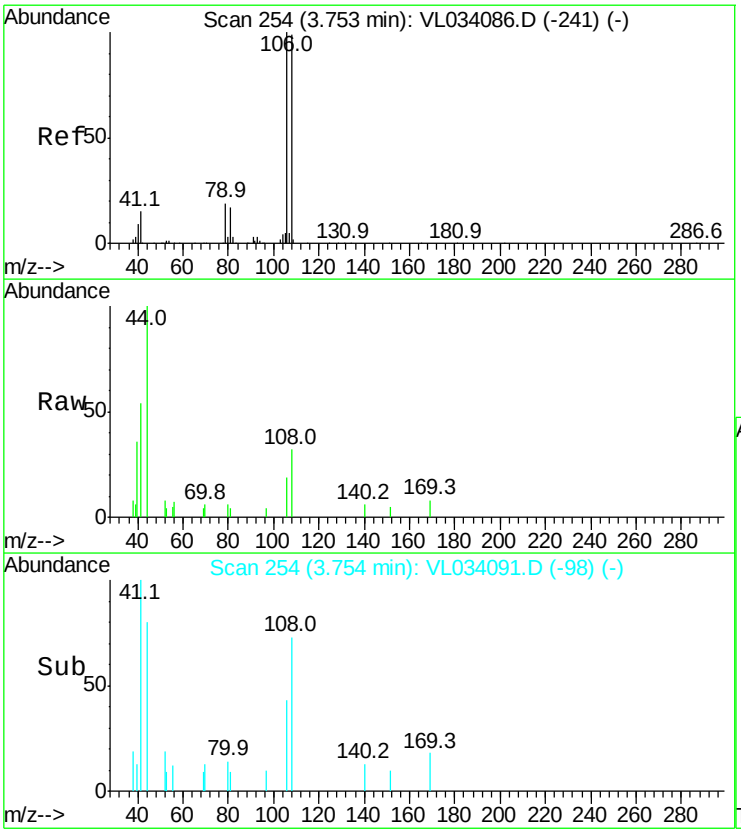
#13
Ethanol
Concen: 0.007 ppbv
RT: 3.61 min Scan# 210
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 45 Resp: 164

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.5#

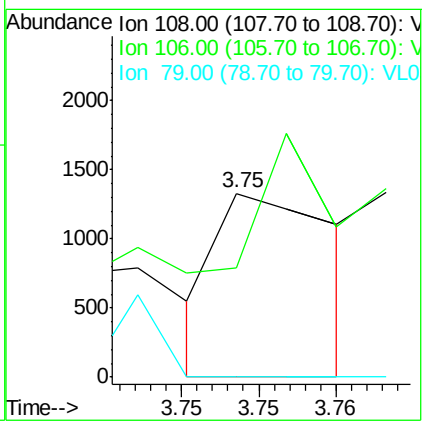


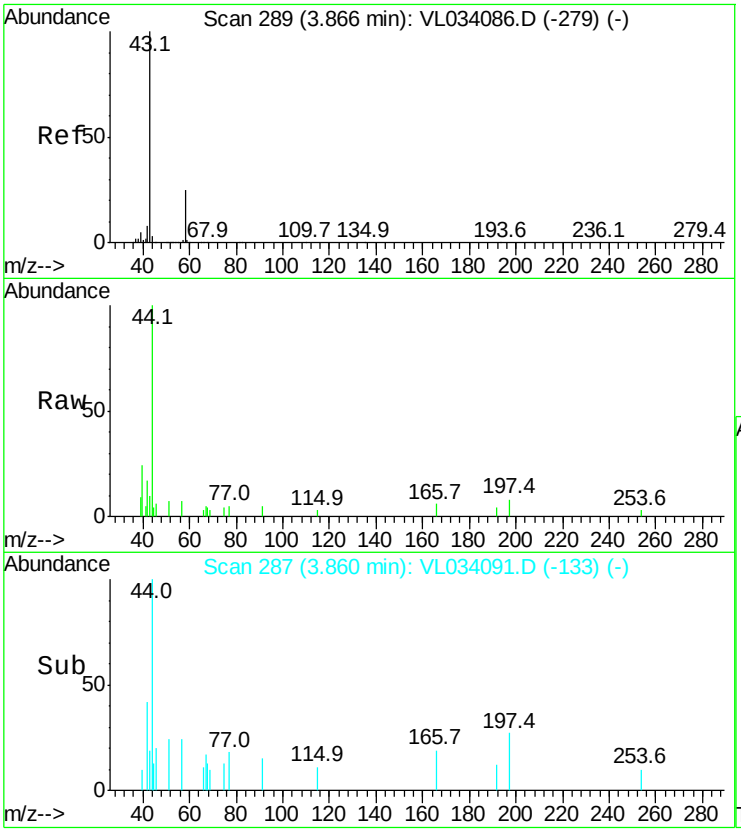


#14
Bromoethene
Concen: 0.007 ppbv
RT: 3.75 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:108 Resp: 705

Ion	Ratio	Lower	Upper
108	100		
106	325.0	85.0	127.6#
79	0.0	15.8	23.8#



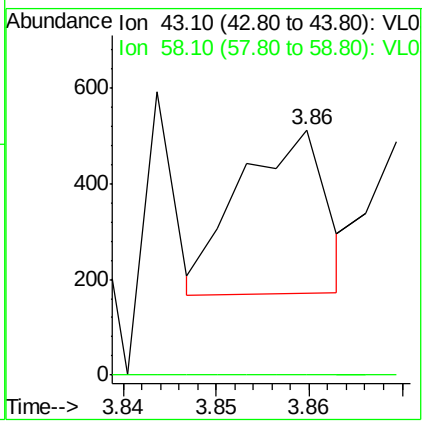


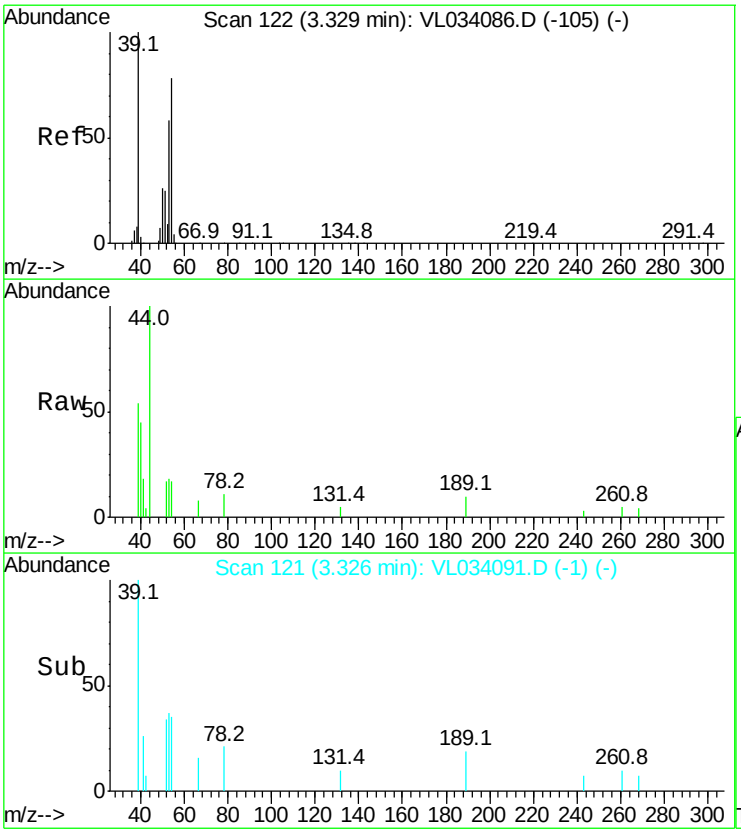
#15
Acetone
Concen: 0.001 ppbv
RT: 3.86 min Scan# 287
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 43 Resp: 219

Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.6	30.8#

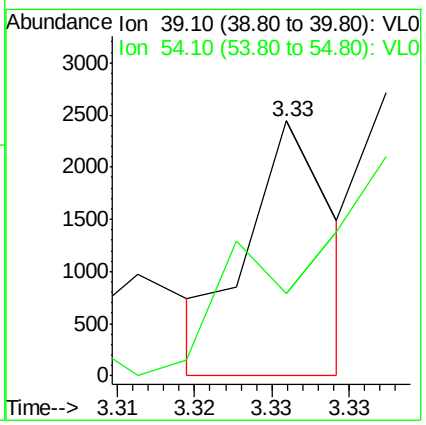


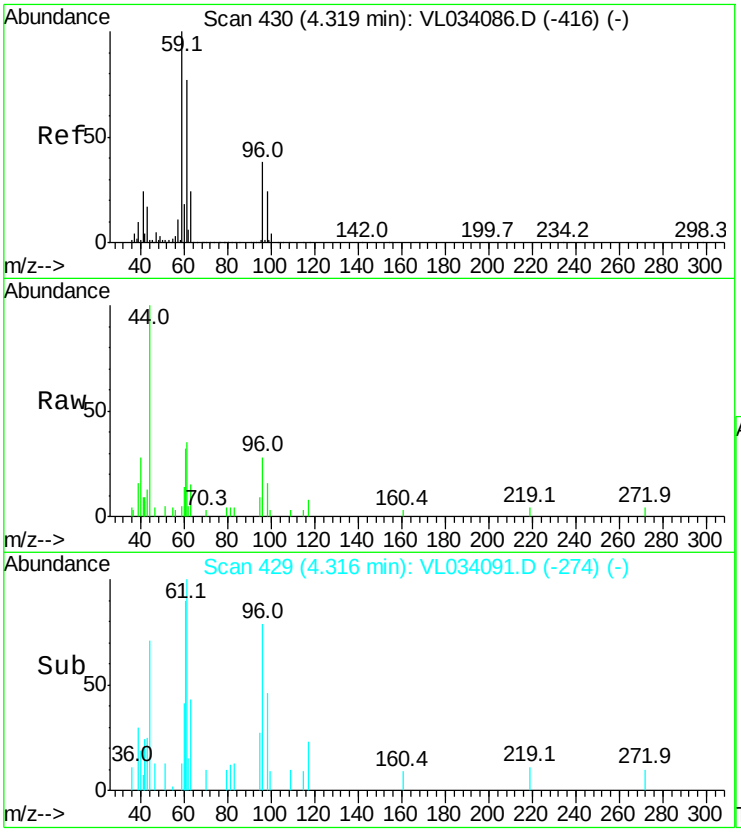


#16
1,3-Butadiene
Concen: 0.013 ppbv
RT: 3.33 min Scan# 121
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 39 Resp: 922

Ion	Ratio	Lower	Upper
39	100		
54	0.0	62.7	94.1#



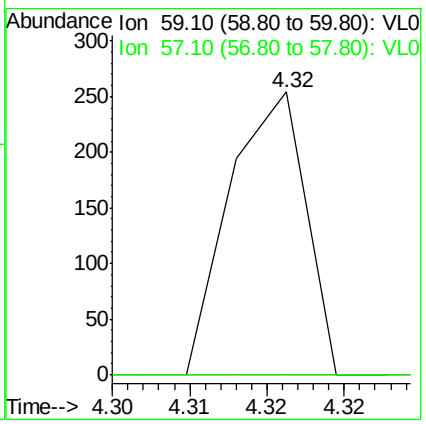


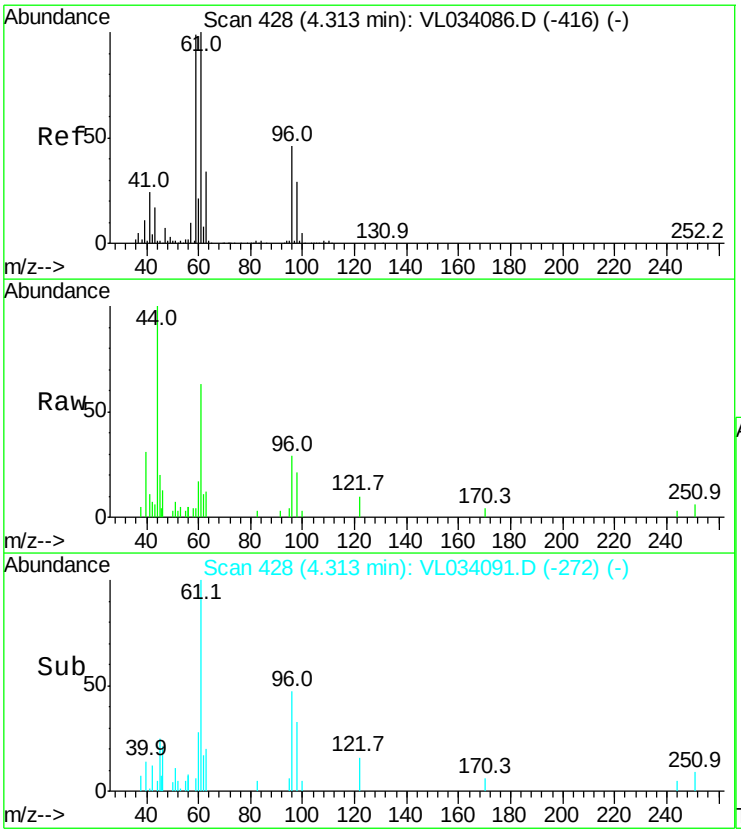
#17
tert-Butyl alcohol
Concen: 0.001 ppbv
RT: 4.32 min Scan# 429
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 59 Resp: 87

Ion	Ratio	Lower	Upper
59	100		
57	296.6	8.4	12.6#

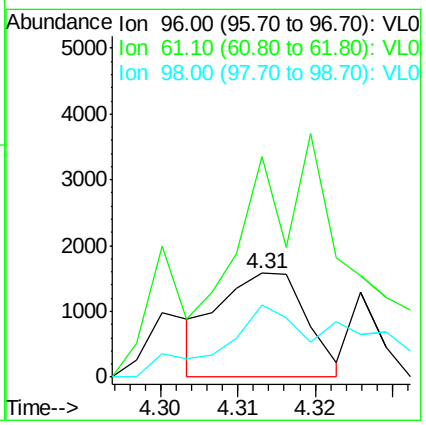


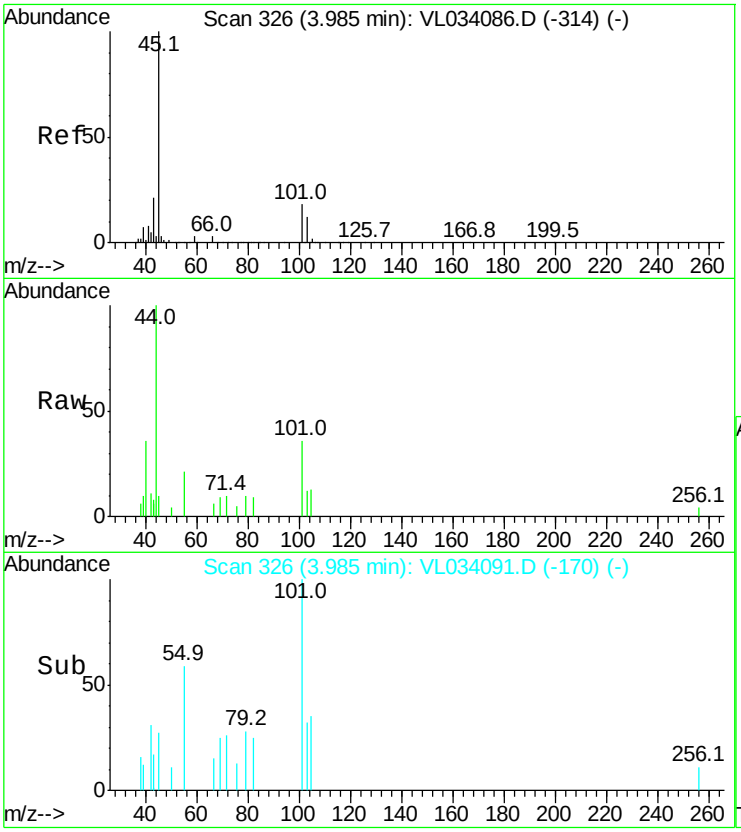


#18
1,1-Dichloroethene
Concen: 0.016 ppbv
RT: 4.31 min Scan# 428
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 96 Resp: 1247

Ion	Ratio	Lower	Upper
96	100		
61	182.9	173.1	259.7
98	61.2	50.3	75.5



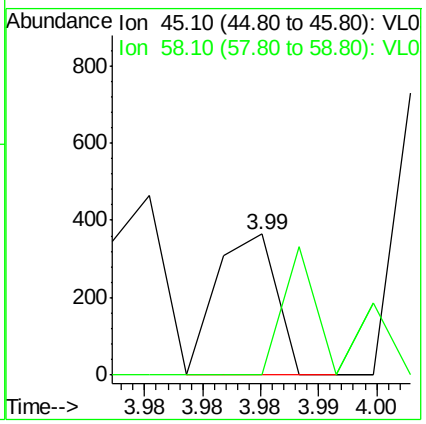


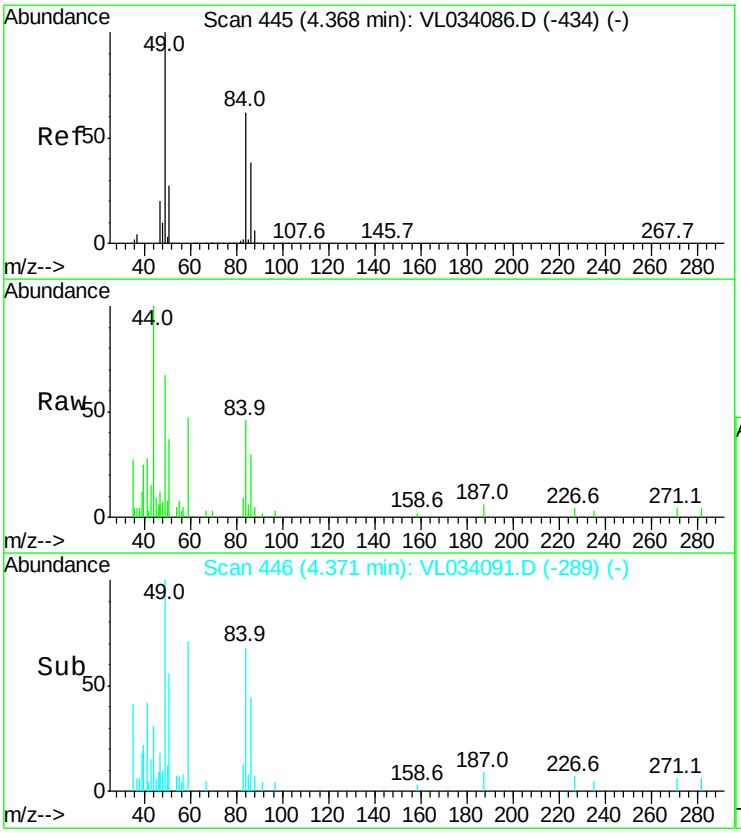
#19
Isopropyl Alcohol
Concen: 0.001 ppbv
RT: 3.99 min Scan# 326
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 45 Resp: 130

Ion	Ratio	Lower	Upper
45	100		
58	0.0	24.6	37.0#

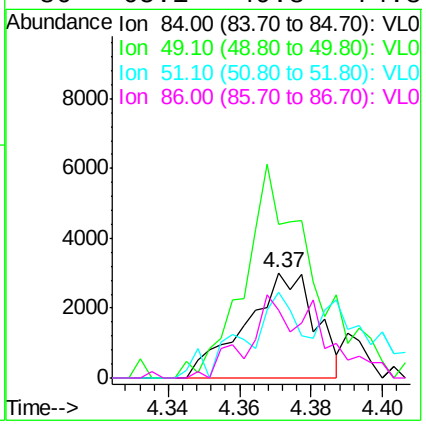


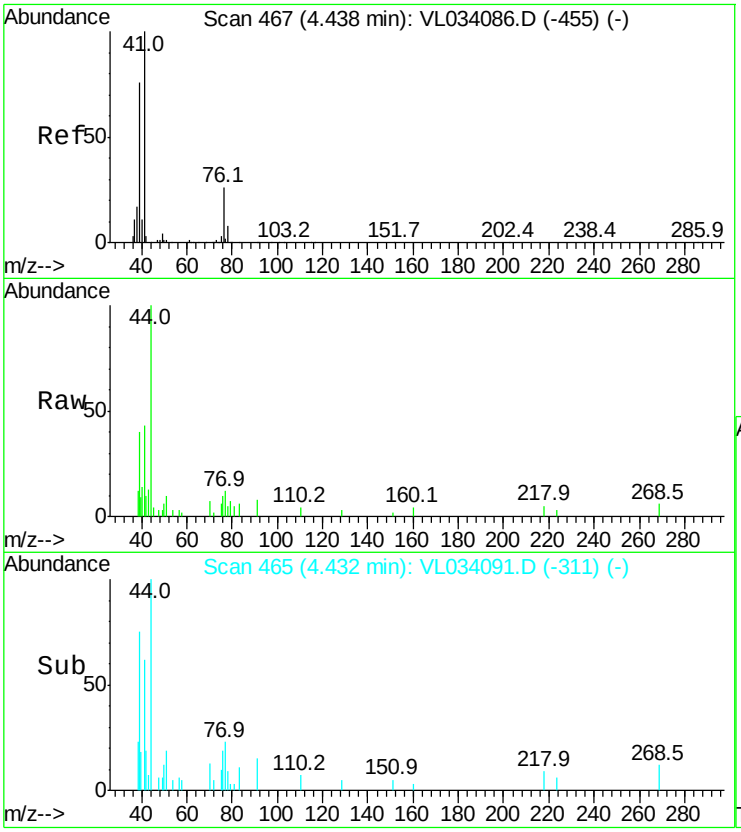


#20
Methylene Chloride
Concen: 0.057 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 84 Resp: 4045

Ion	Ratio	Lower	Upper
84	100		
49	131.0	129.7	194.5
51	75.0	35.8	53.8#
86	65.1	49.8	74.8



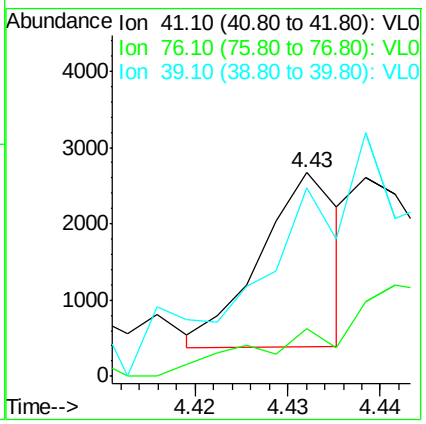


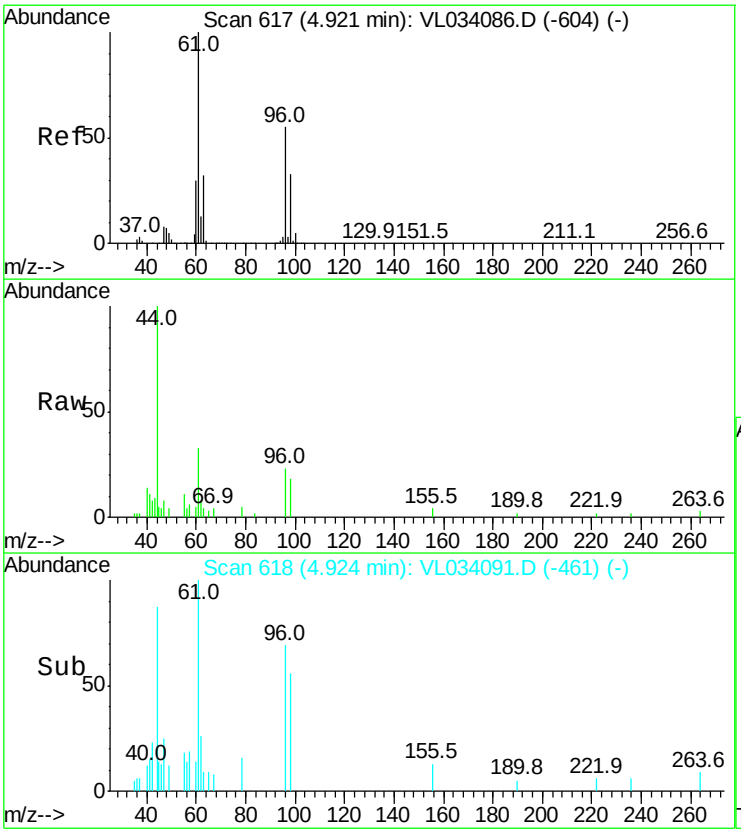
#21
Allyl Chloride
Concen: 0.011 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 41 Resp: 1350

Ion	Ratio	Lower	Upper
41	100		
76	0.0	20.8	31.2#
39	0.0	61.3	91.9#

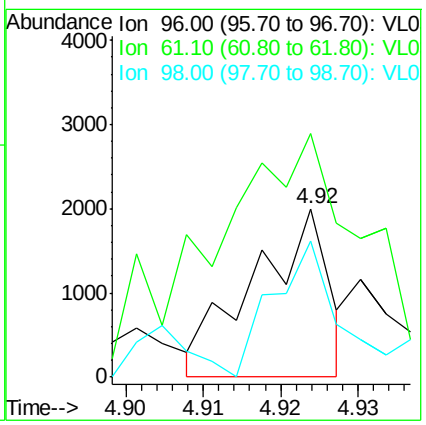


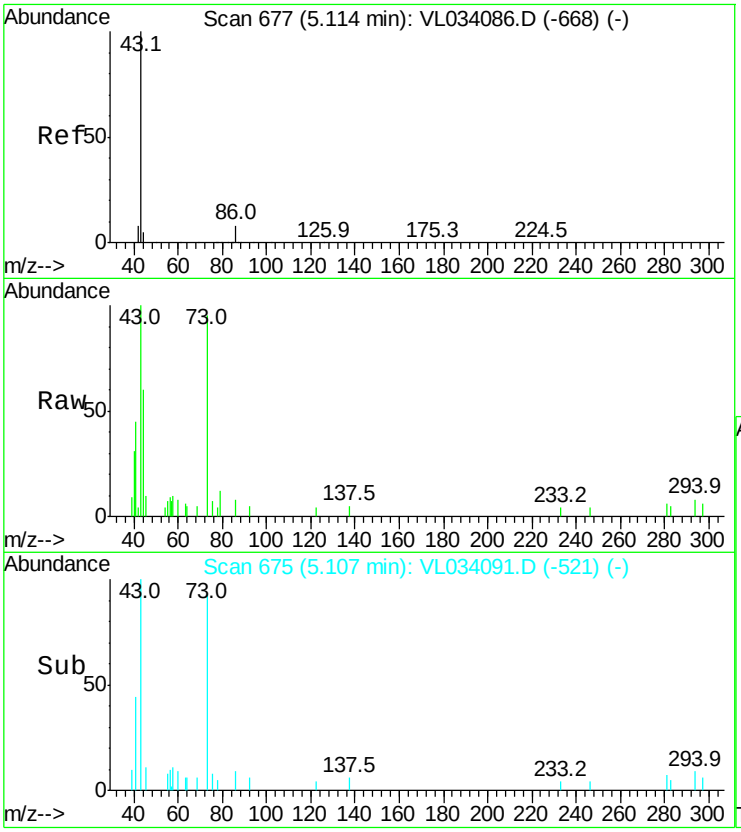


#22
trans-1,2-Dichloroethene
Concen: 0.017 ppbv
RT: 4.92 min Scan# 618
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 96 Resp: 1346

Ion	Ratio	Lower	Upper
96	100		
61	71.0	144.2	216.2#
98	76.1	48.0	72.0#



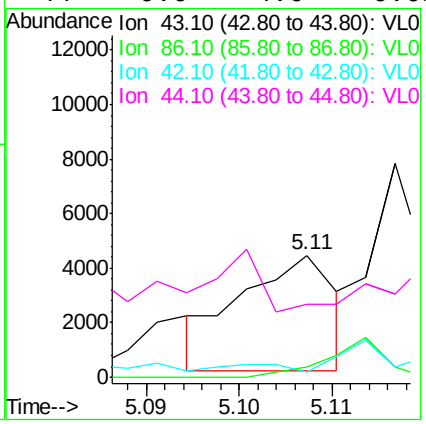


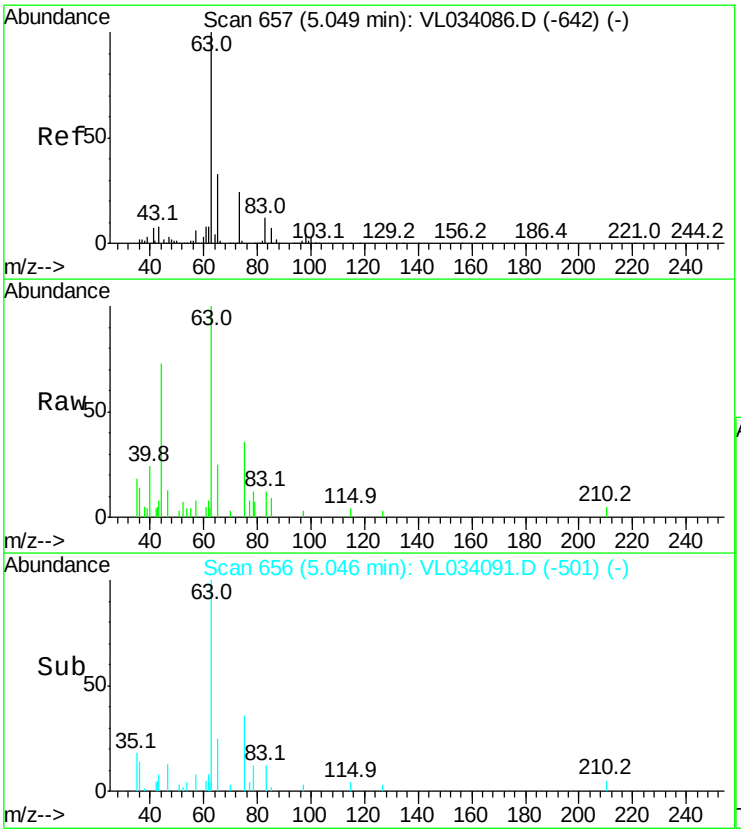
#23
Vinyl Acetate
Concen: 0.015 ppbv
RT: 5.11 min Scan# 675
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 43 Resp: 3001

Ion	Ratio	Lower	Upper
43	100		
86	17.1	5.4	8.0#
42	0.0	7.9	11.9#
44	0.0	4.0	6.0#

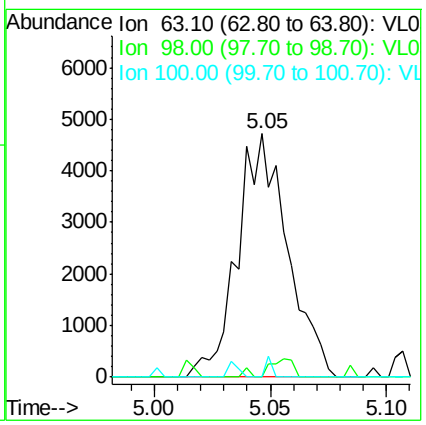


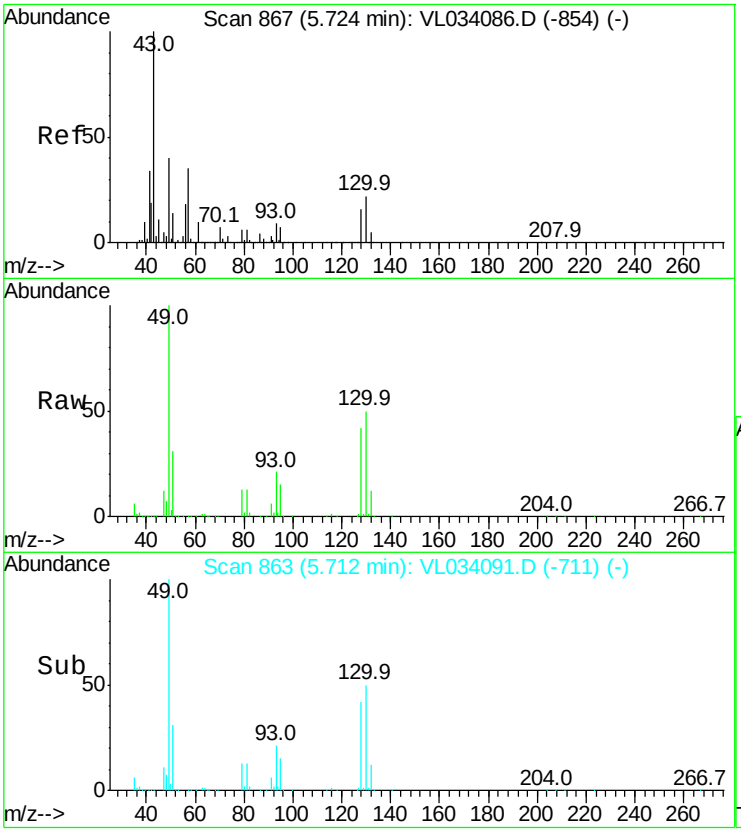


#24
1,1-Dichloroethane
Concen: 0.042 ppbv
RT: 5.05 min Scan# 656
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 63 Resp: 7060

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.0	6.0#
100	0.0	1.3	3.8#



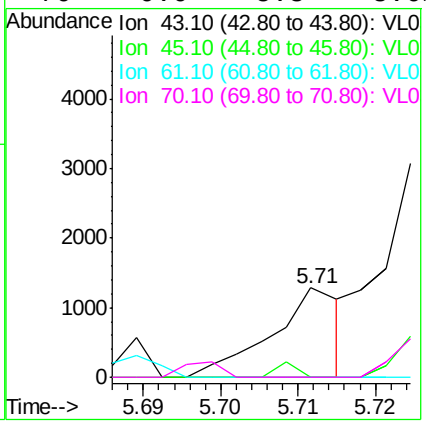


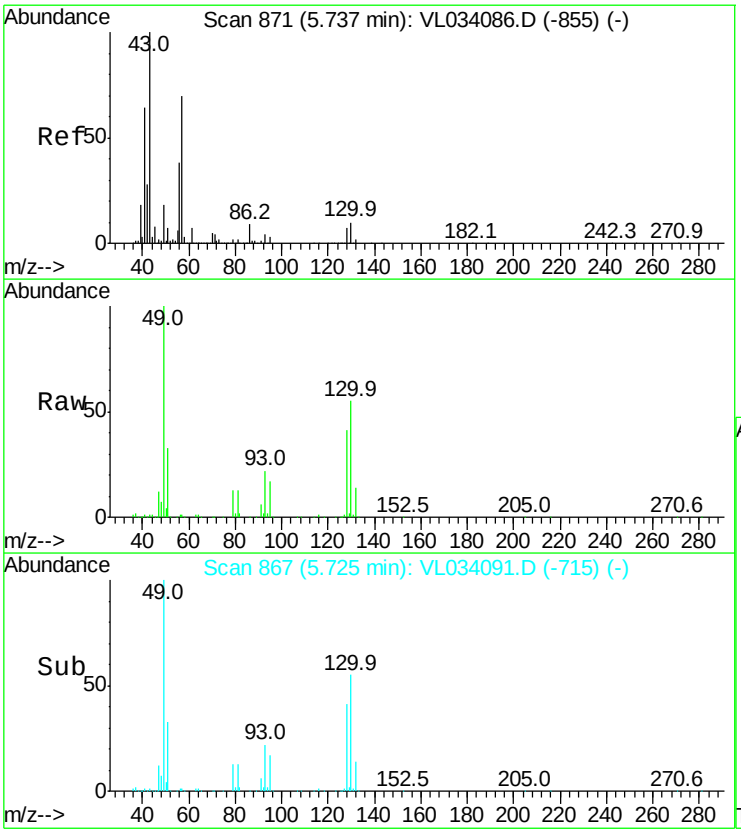
#25
Ethyl Acetate
Concen: 0.003 ppbv
RT: 5.71 min Scan# 863
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 43 Resp: 798

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.4	12.6#
61	0.0	7.3	10.9#
70	0.0	5.8	8.6#

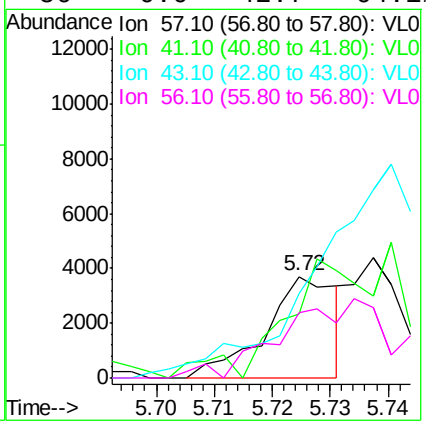


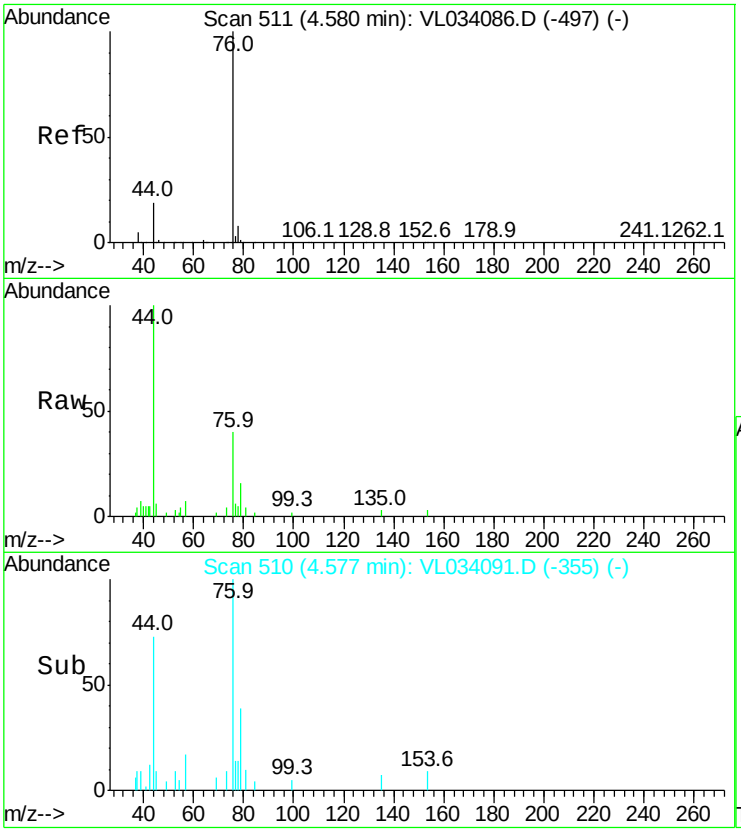


#26
Hexane
Concen: 0.024 ppbv
RT: 5.72 min Scan# 867
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 57 Resp: 3182

Ion	Ratio	Lower	Upper
57	100		
41	0.0	75.7	113.5#
43	0.0	189.8	284.8#
56	0.0	42.7	64.1#



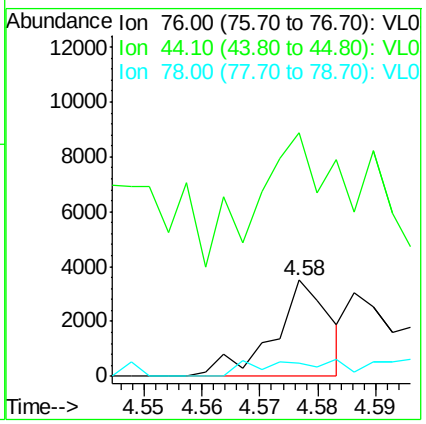


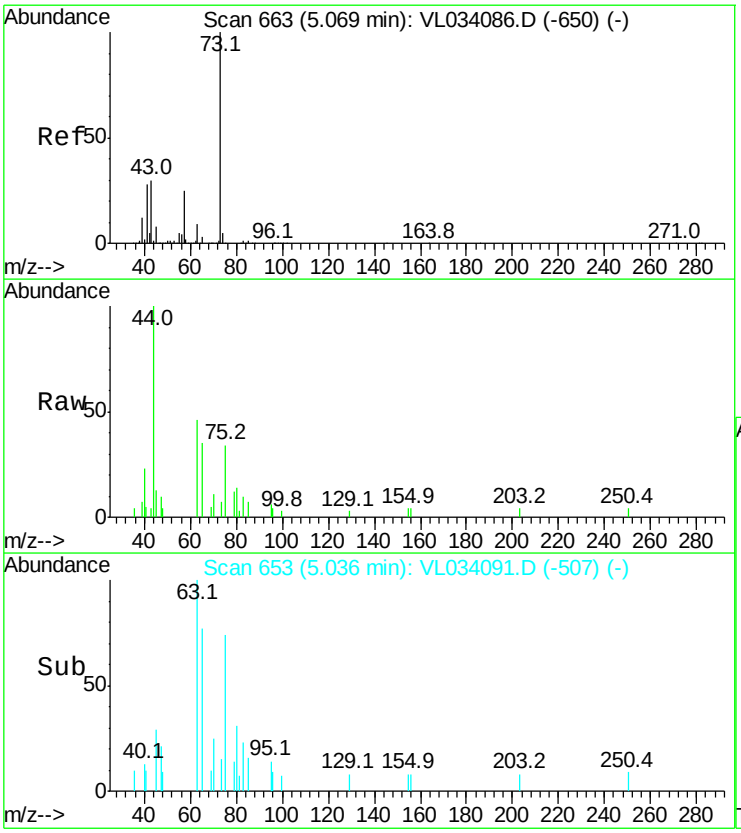
#27
Carbon Disulfide
Concen: 0.012 ppbv
RT: 4.58 min Scan# 510
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 76 Resp: 2322

Ion	Ratio	Lower	Upper
76	100		
44	171.2	17.8	26.6#
78	0.0	7.7	11.5#

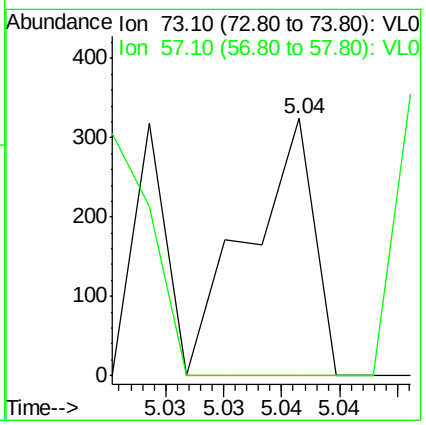


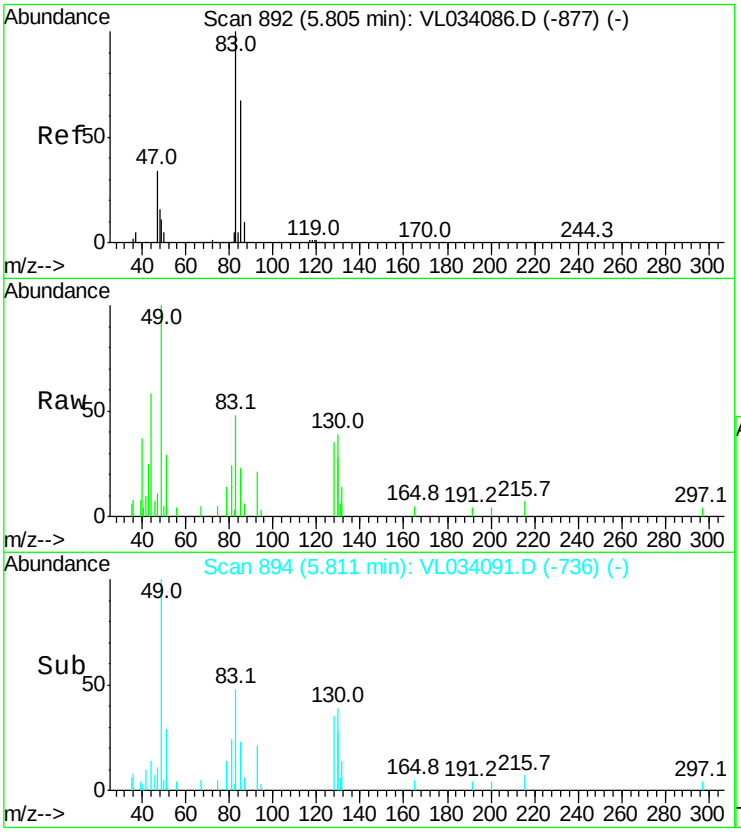


#28
Methyl tert-Butyl Ether
Concen: 0.001 ppbv
RT: 5.04 min Scan# 653
Delta R.T. -0.03 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 73 Resp: 127

Ion	Ratio	Lower	Upper
73	100		
57	0.0	19.5	29.3#



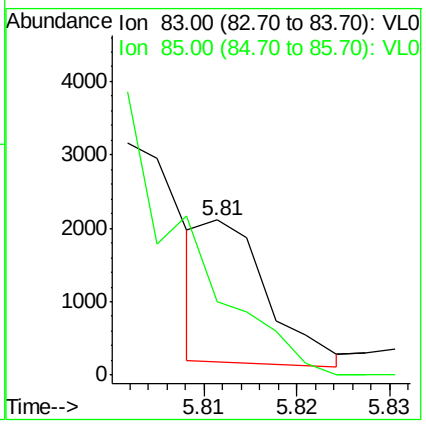


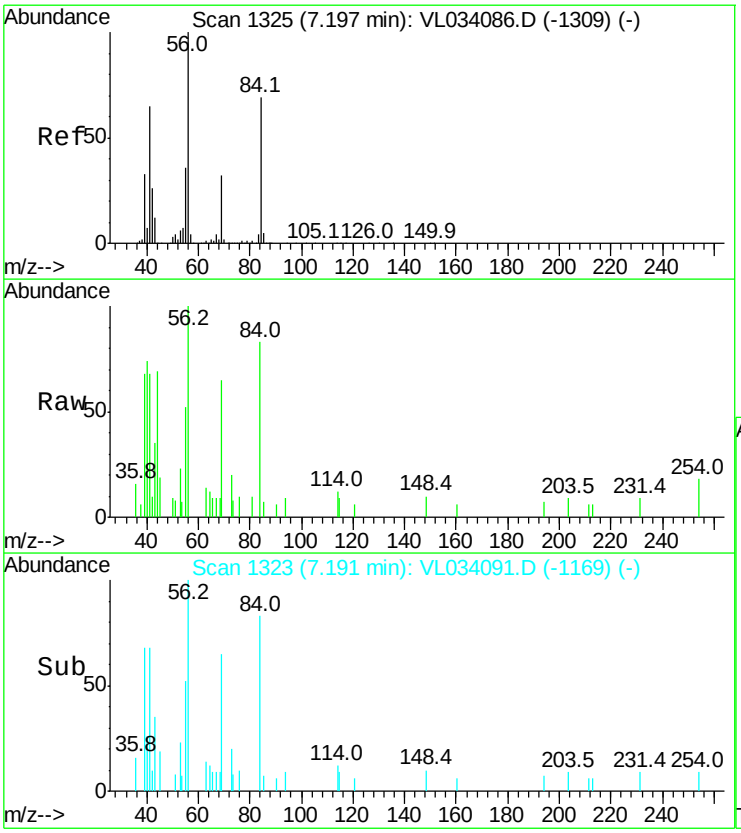
#29
Chloroform
Concen: 0.004 ppbv
RT: 5.81 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 83 Resp: 927

Ion	Ratio	Lower	Upper
83	100		
85	55.1	53.2	79.8

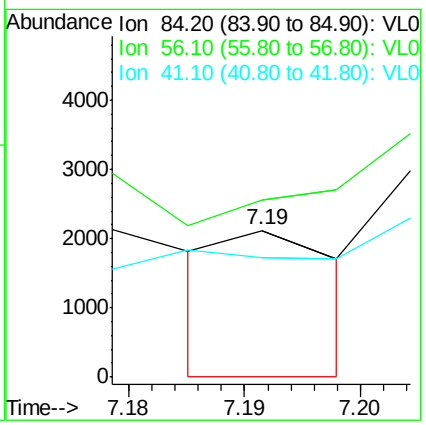


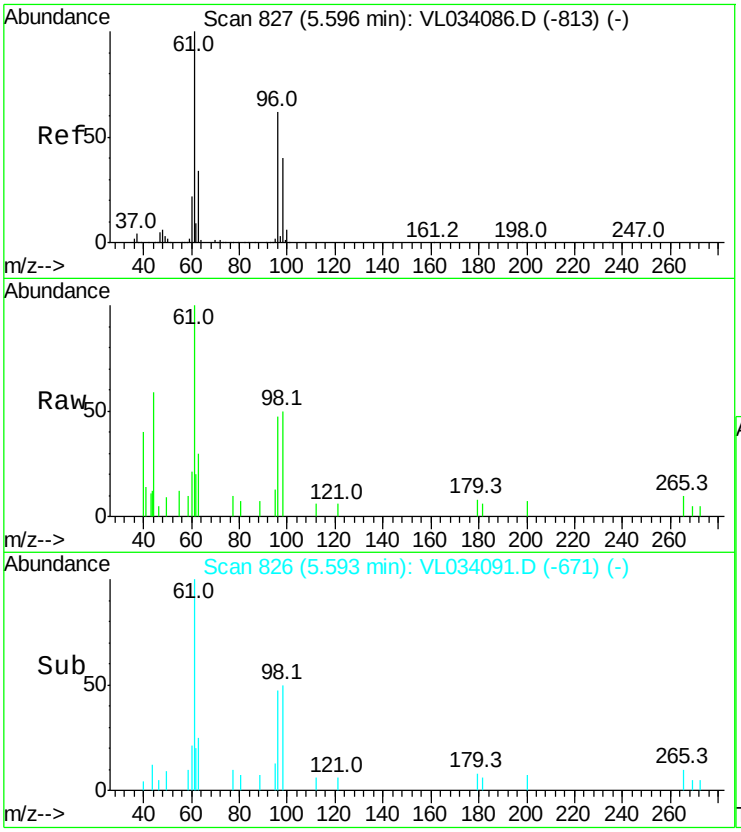


#30
Cyclohexane
Concen: 0.007 ppbv
RT: 7.19 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 84 Resp: 737

Ion	Ratio	Lower	Upper
84	100		
56	0.0	122.6	184.0#
41	0.0	80.1	120.1#



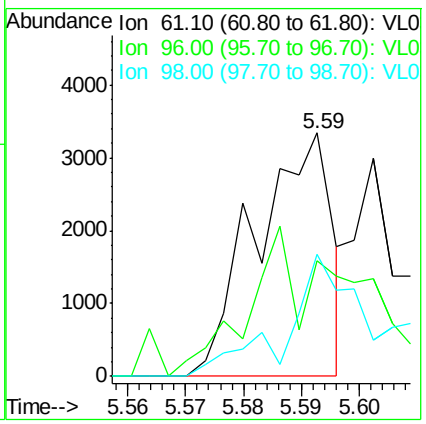


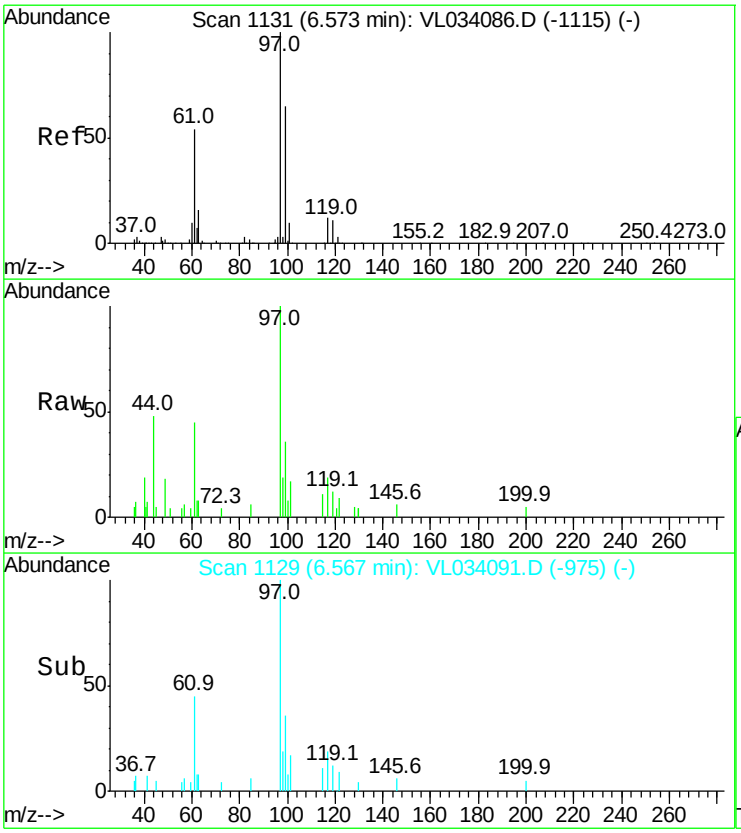
#31
cis-1,2-Dichloroethene
Concen: 0.024 ppbv
RT: 5.59 min Scan# 826
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 61 Resp: 3040

Ion	Ratio	Lower	Upper
61	100		
96	40.8	49.3	73.9#
98	50.0	32.4	48.6#

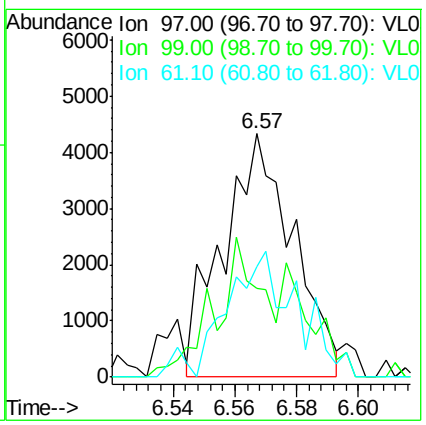


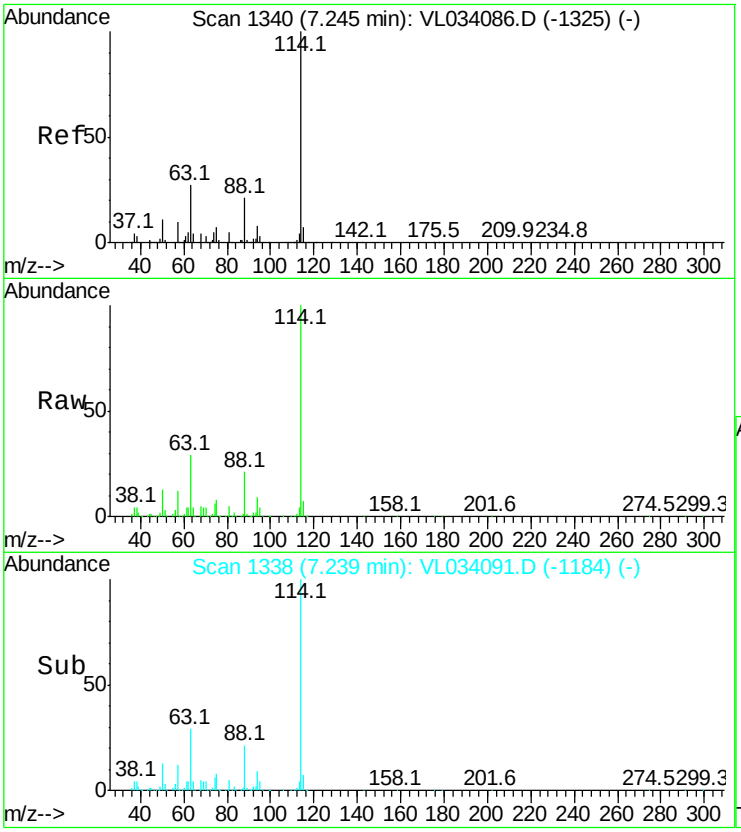


#32
1,1,1-Trichloroethane
Concen: 0.028 ppbv
RT: 6.57 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 97 Resp: 6842

Ion	Ratio	Lower	Upper
97	100		
99	58.7	52.2	78.4
61	53.0	42.0	63.0



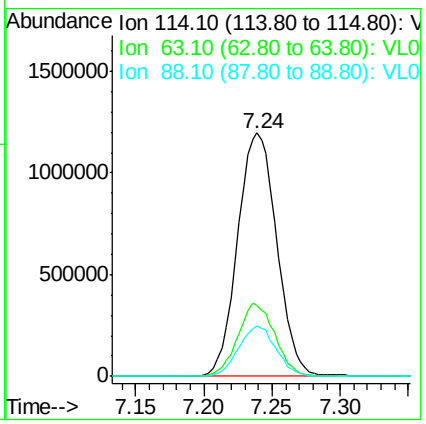


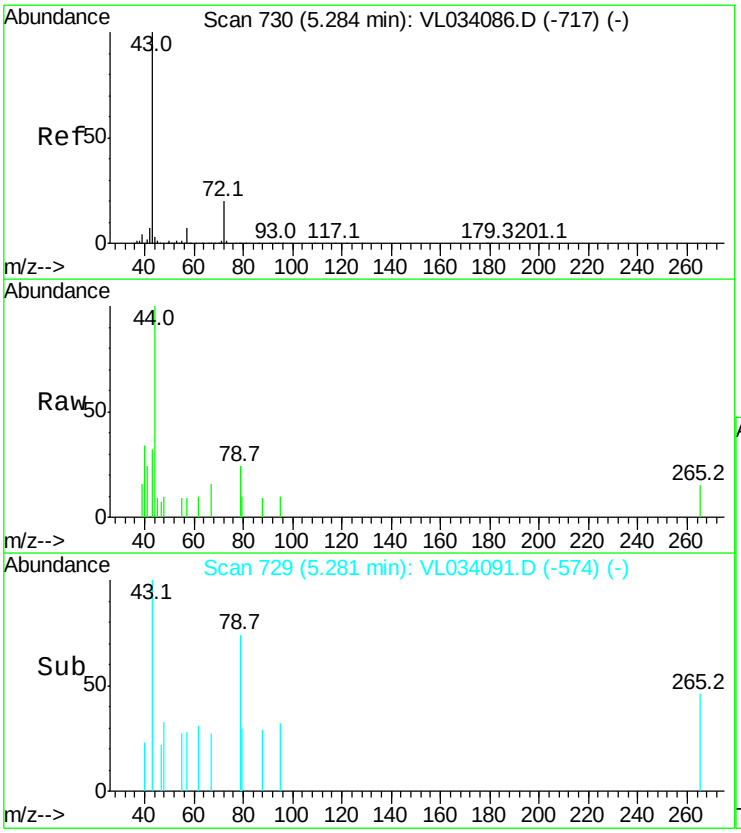
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 2381698

Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.5	33.7
88	19.9	15.7	23.5

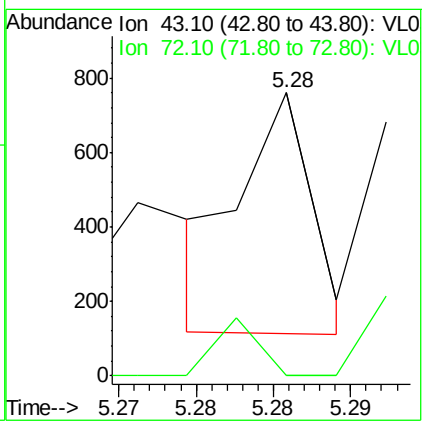


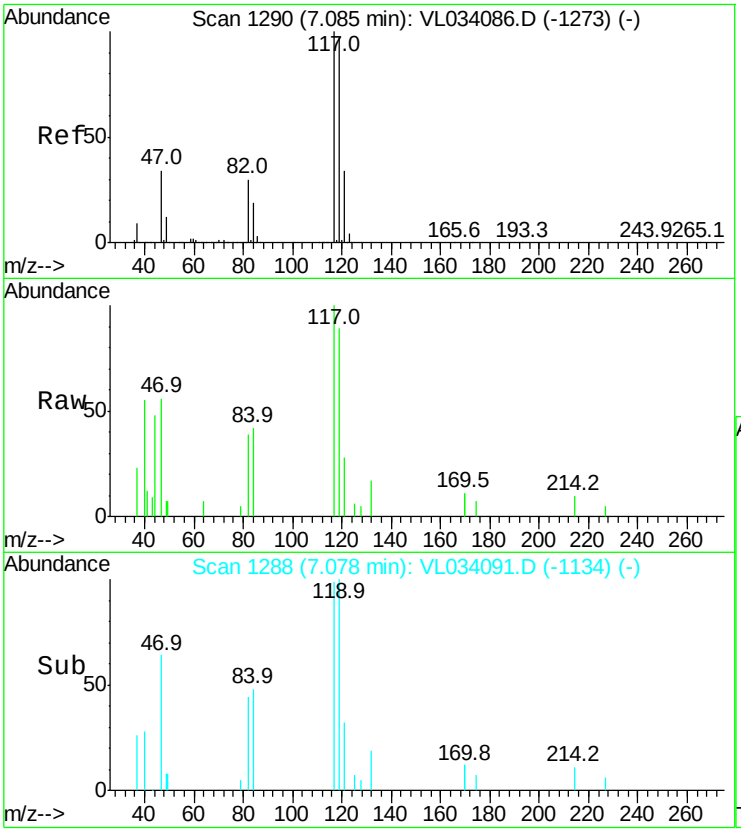


#34
2-Butanone
Concen: 0.002 ppbv
RT: 5.28 min Scan# 729
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 43 Resp: 205

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.0	24.0#



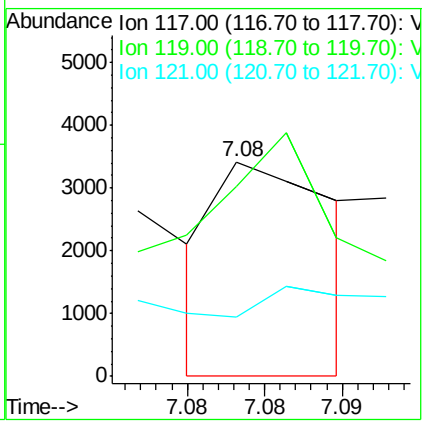


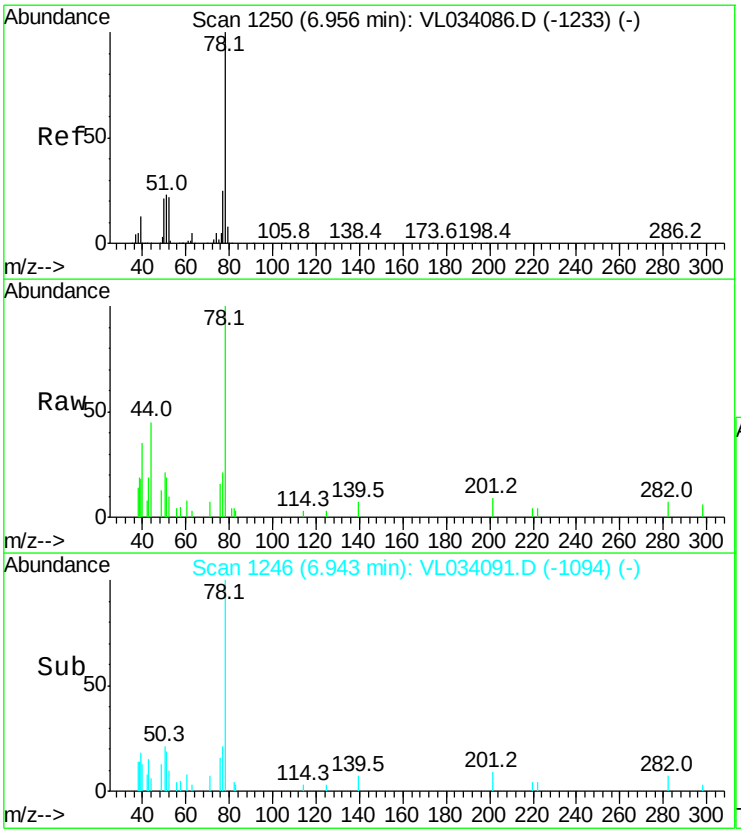
#35
Carbon Tetrachloride
Concen: 0.009 ppbv
RT: 7.08 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 1796

Ion	Ratio	Lower	Upper
117	100		
119	70.4	77.8	116.6#
121	0.0	27.4	41.2#

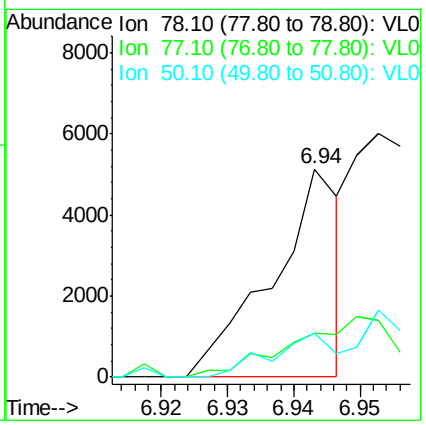


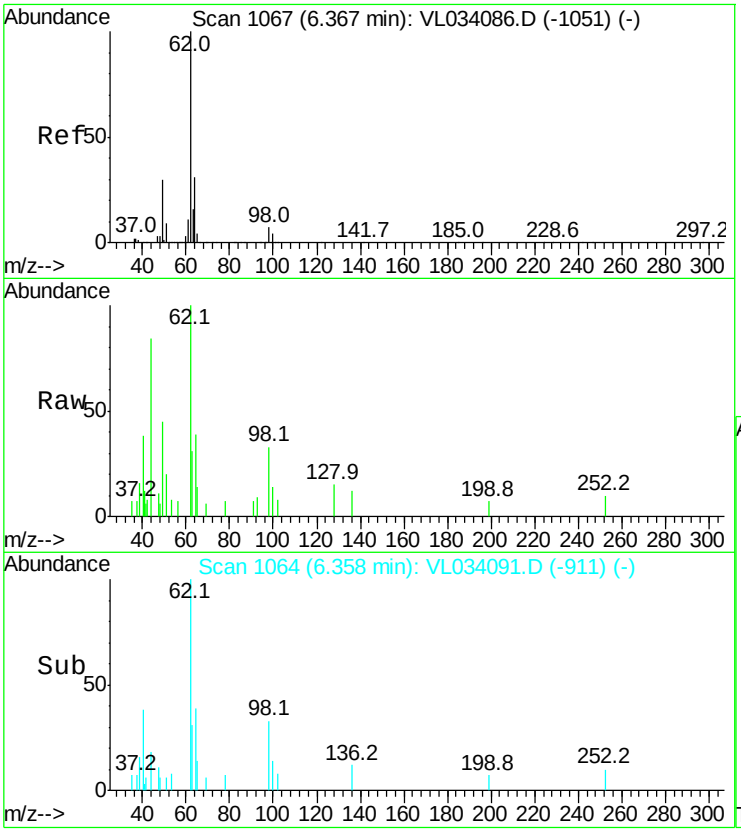


#36
Benzene
Concen: 0.016 ppbv
RT: 6.94 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 78 Resp: 3666

Ion	Ratio	Lower	Upper
78	100		
77	21.1	19.9	29.9
50	20.9	16.7	25.1



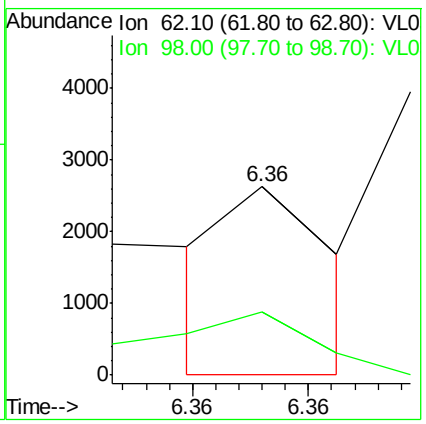


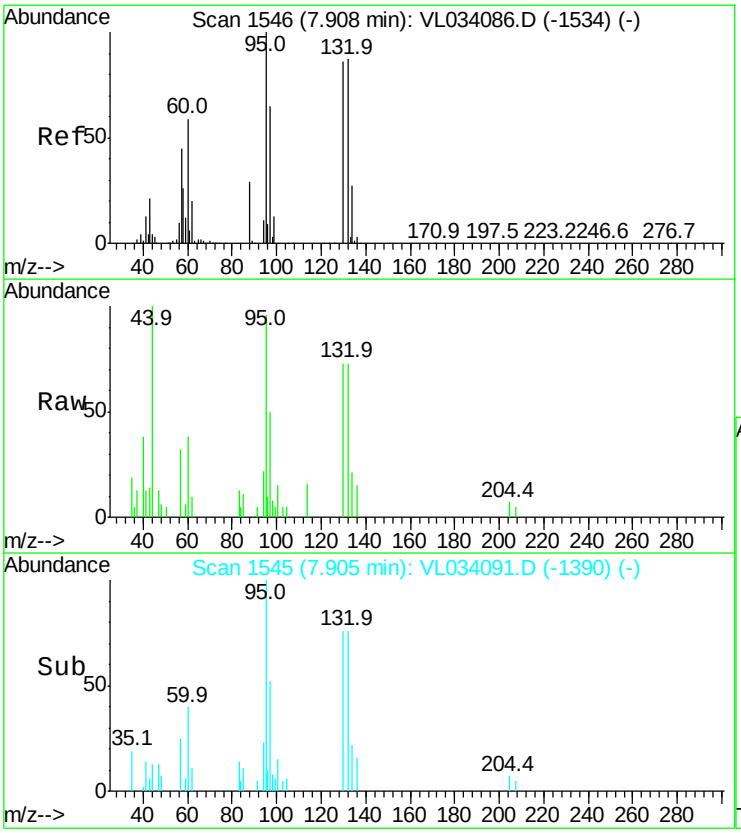
#37
1,2-Dichloroethane
Concen: 0.006 ppbv
RT: 6.36 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 62 Resp: 833

Ion	Ratio	Lower	Upper
62	100		
98	83.9	4.9	7.3#

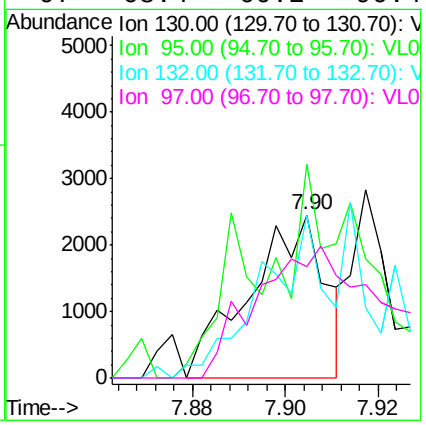


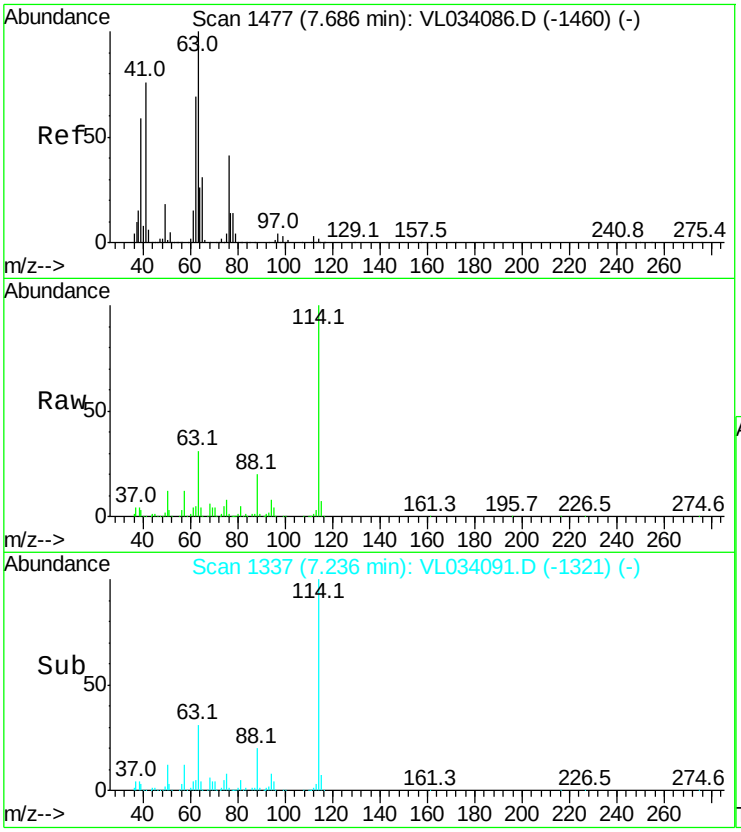


#38
Trichloroethene
Concen: 0.036 ppbv
RT: 7.90 min Scan# 1545
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:130 Resp: 2787

Ion	Ratio	Lower	Upper
130	100		
95	122.8	92.1	138.1
132	92.6	79.7	119.5
97	68.4	60.2	90.4



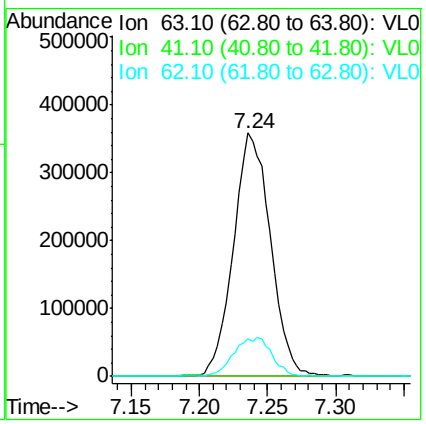


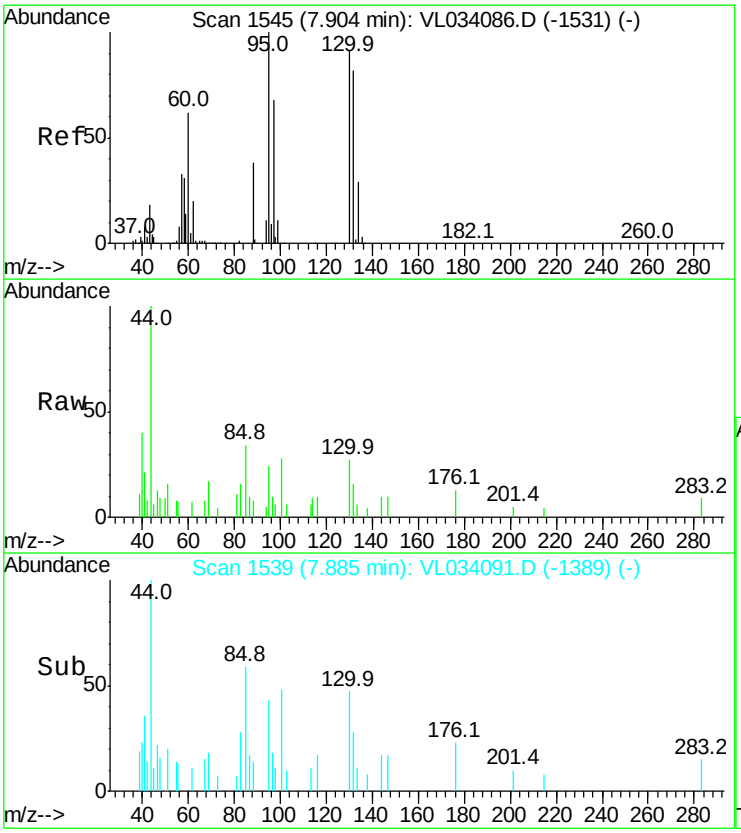
#39
1,2-Dichloropropane
Concen: 8.226 ppbv
RT: 7.24 min Scan# 1337
Delta R.T. -0.45 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 63 Resp: 675508

Ion	Ratio	Lower	Upper
63	100		
41	0.1	60.6	91.0#
62	15.5	55.0	82.6#

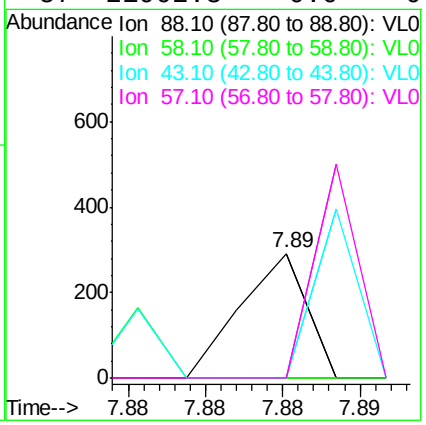


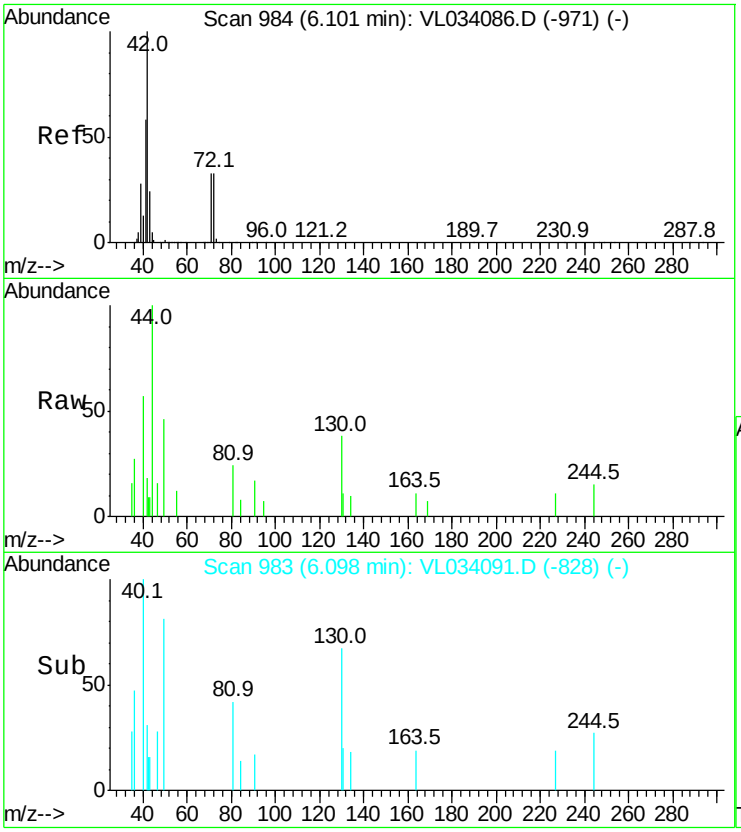


#40
1,4-Dioxane
Concen: 0.003 ppbv
RT: 7.89 min Scan# 1539
Delta R.T. -0.02 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 88 Resp: 87

Ion	Ratio	Lower	Upper
88	100		
58	1625.3	113.0	169.4#
43	6098.9	0.0	0.0#
57	21902.3	0.0	0.0#



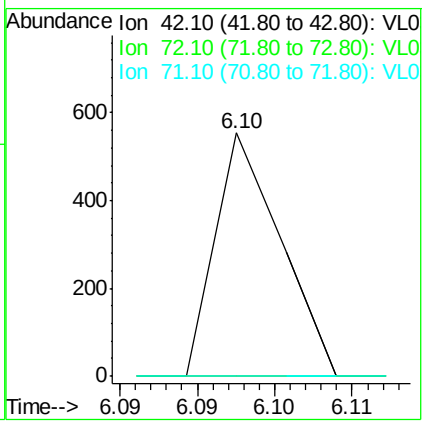


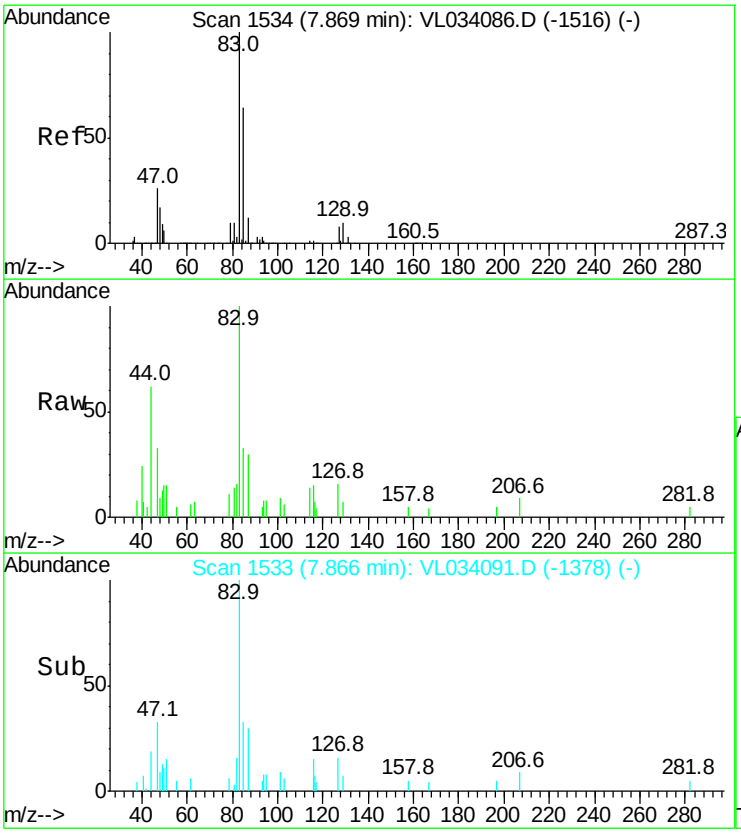
#41
Tetrahydrofuran
Concen: 0.002 ppbv
RT: 6.10 min Scan# 983
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 42 Resp: 161

Ion	Ratio	Lower	Upper
42	100		
72	0.0	26.9	40.3#
71	0.0	26.5	39.7#

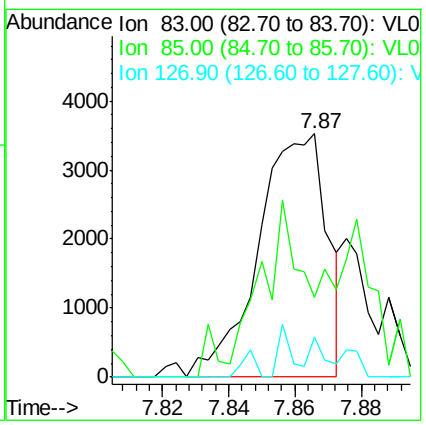


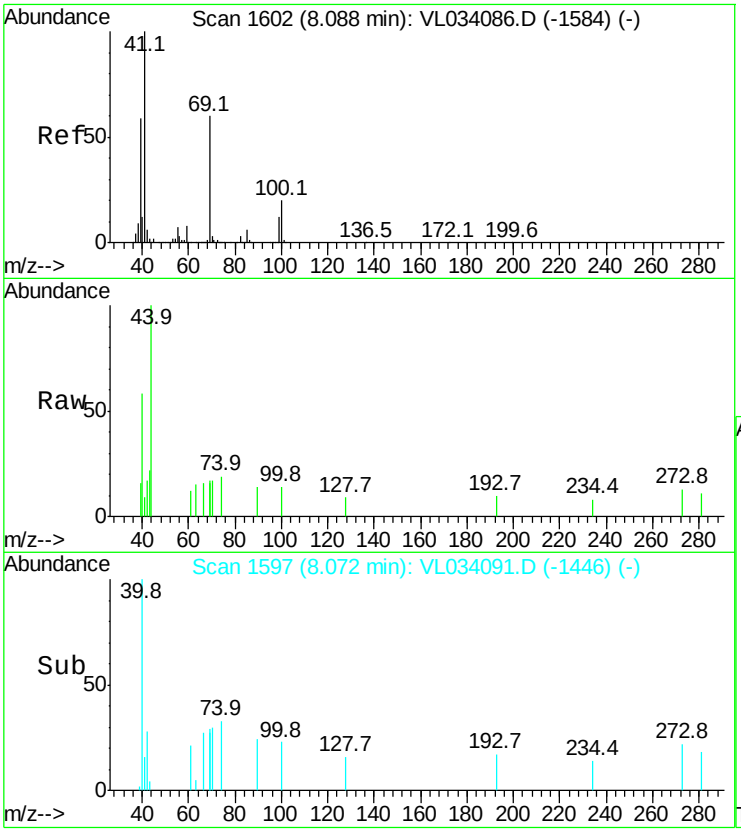


#42
Bromodichloromethane
Concen: 0.027 ppbv
RT: 7.87 min Scan# 1533
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 83 Resp: 5079

Ion	Ratio	Lower	Upper
83	100		
85	33.0	50.9	76.3#
127	16.3	6.1	9.1#



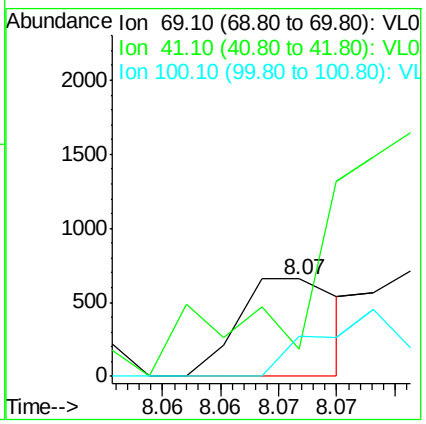


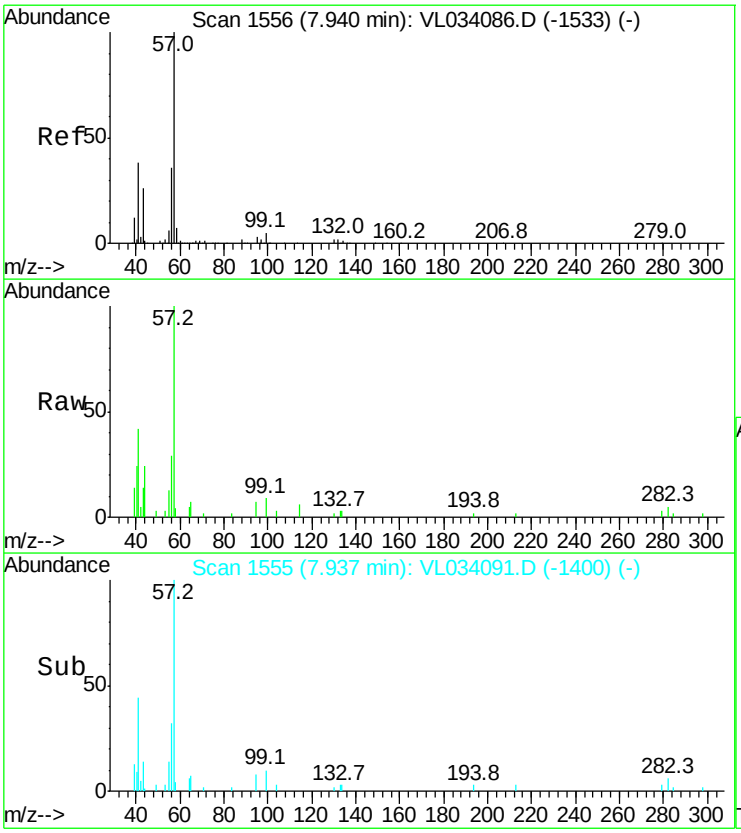
#43
Methyl Methacrylate
Concen: 0.005 ppbv
RT: 8.07 min Scan# 1597
Delta R.T. -0.02 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 69 Resp: 398

Ion	Ratio	Lower	Upper
69	100		
41	0.0	132.9	199.3#
100	75.4	25.8	38.8#

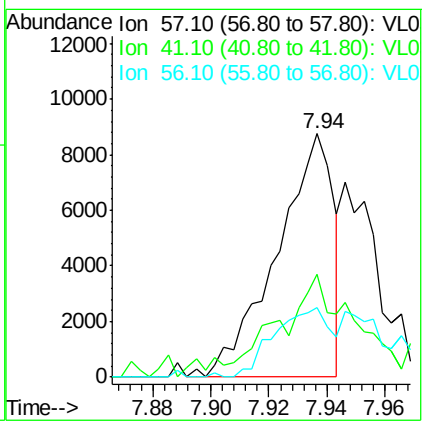


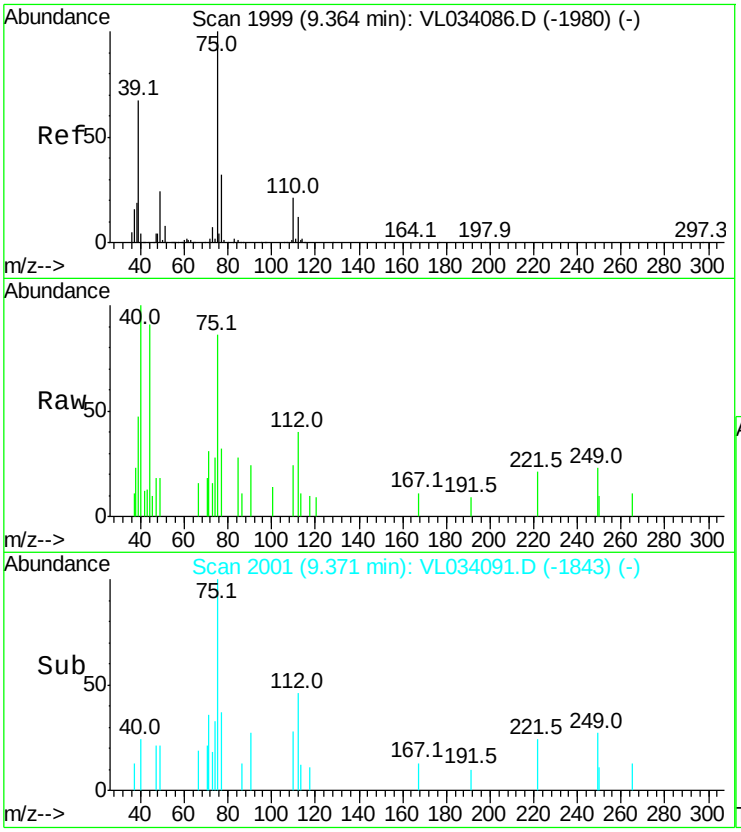


#44
2,2,4-Trimethylpentane
Concen: 0.035 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 57 Resp: 11846

Ion	Ratio	Lower	Upper
57	100		
41	72.2	29.2	43.8#
56	52.5	26.7	40.1#



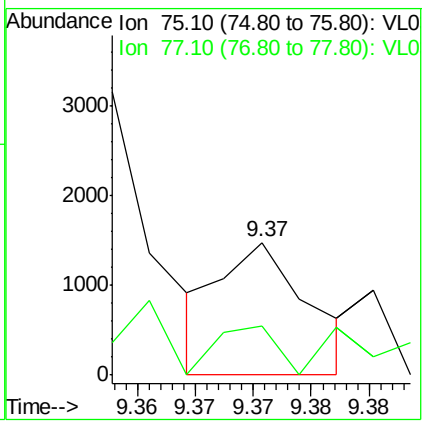


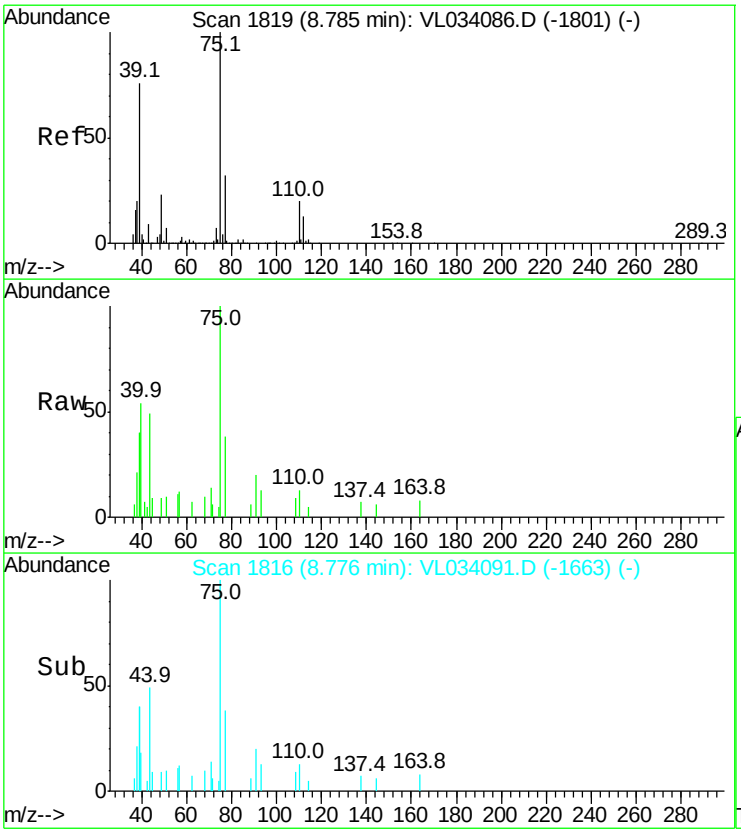
#45
t-1,3-Dichloropropene
Concen: 0.008 ppbv
RT: 9.37 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 75 Resp: 777

Ion	Ratio	Lower	Upper
75	100		
77	37.4	25.7	38.5

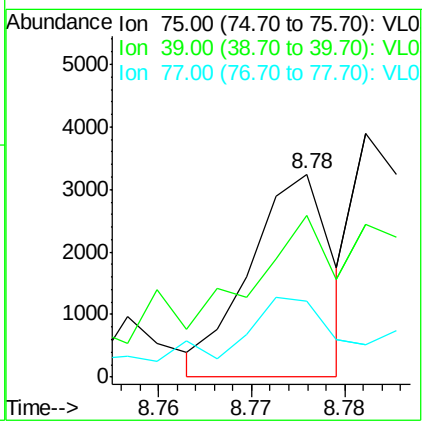


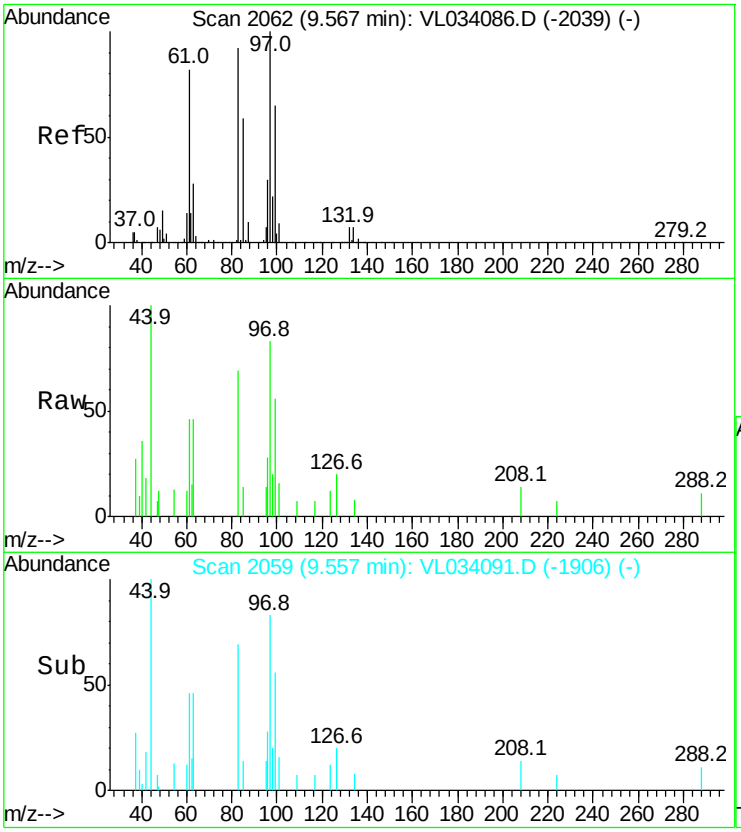


#46
cis-1,3-Dichloropropene
Concen: 0.018 ppbv
RT: 8.78 min Scan# 1816
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 75 Resp: 1976

Ion	Ratio	Lower	Upper
75	100		
39	63.9	61.0	91.4
77	22.4	25.6	38.4#



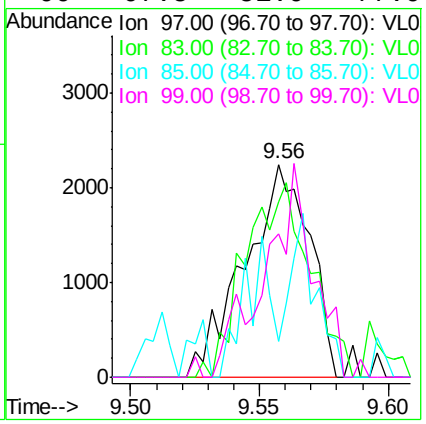


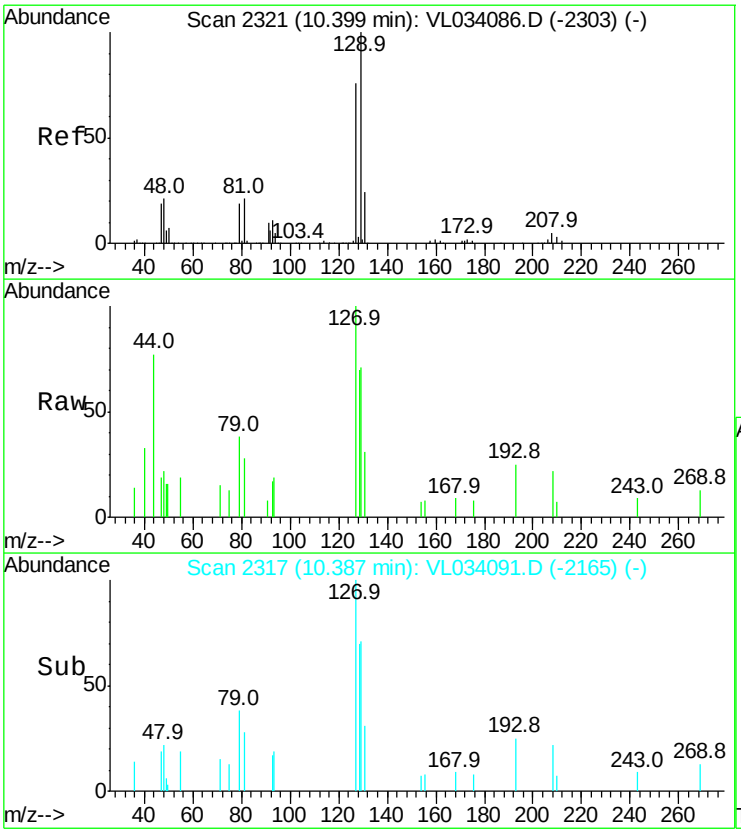
#47
1,1,2-Trichloroethane
Concen: 0.044 ppbv
RT: 9.56 min Scan# 2059
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 97 Resp: 3932

Ion	Ratio	Lower	Upper
97	100		
83	82.4	74.0	111.0
85	0.0	47.1	70.7#
99	67.5	51.9	77.9

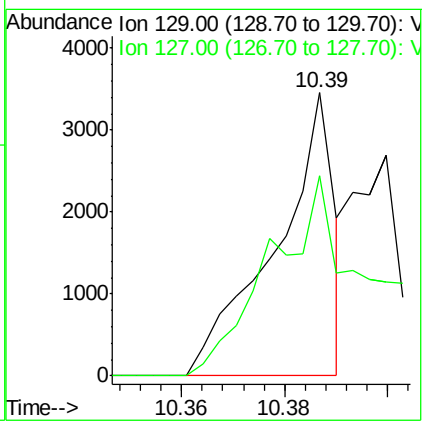


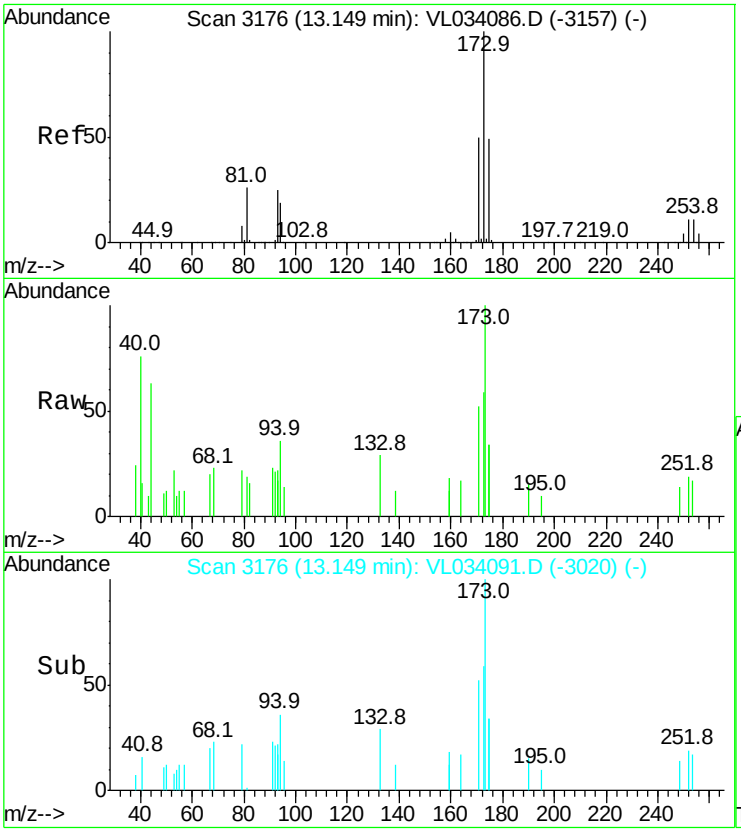


#48
Dibromochloromethane
Concen: 0.018 ppbv
RT: 10.39 min Scan# 2317
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:129 Resp: 2700

Ion	Ratio	Lower	Upper
129	100		
127	140.5	39.4	118.2#



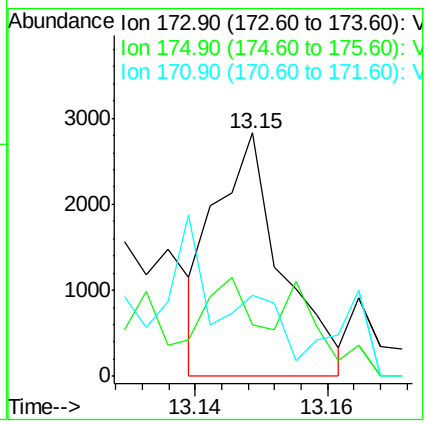


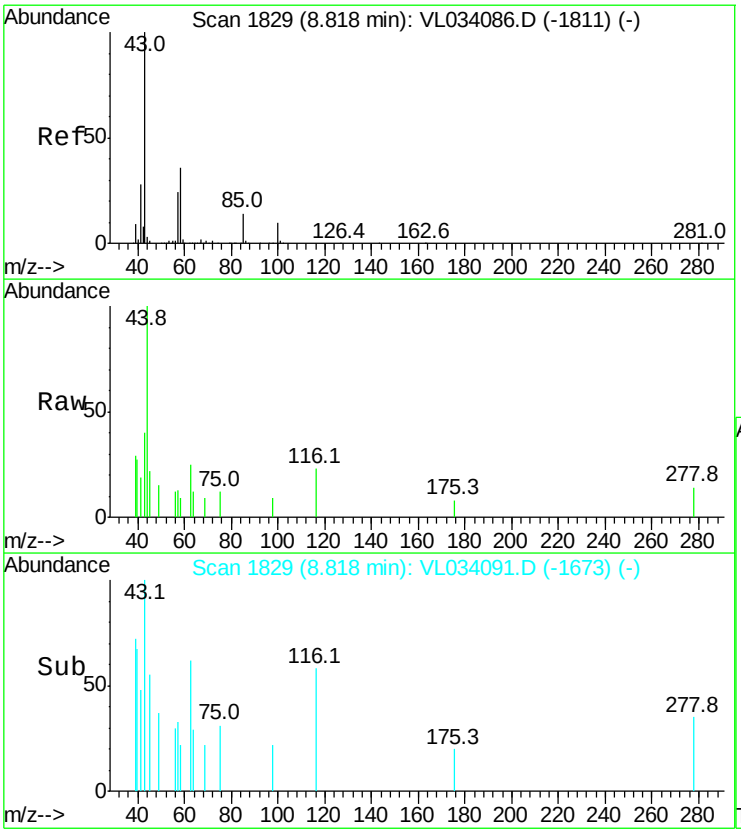
#49
Bromoform
Concen: 0.015 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:173 Resp: 1984

Ion	Ratio	Lower	Upper
173	100		
175	93.2	39.8	59.8#
171	112.3	42.7	64.1#

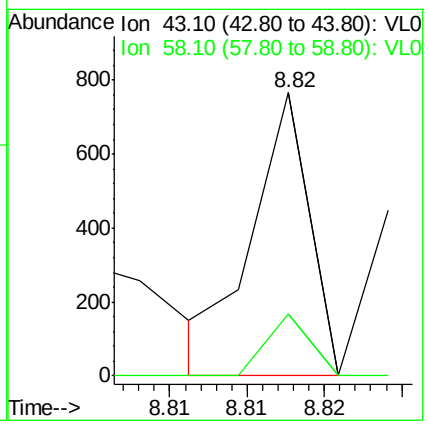


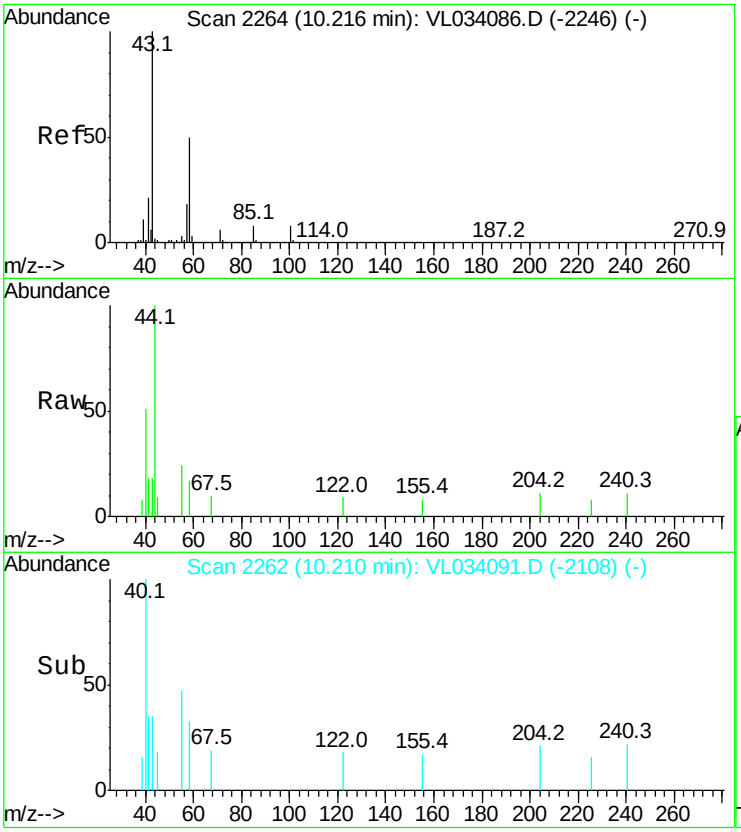


#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 8.82 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 43 Resp: 193

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.2	42.2#



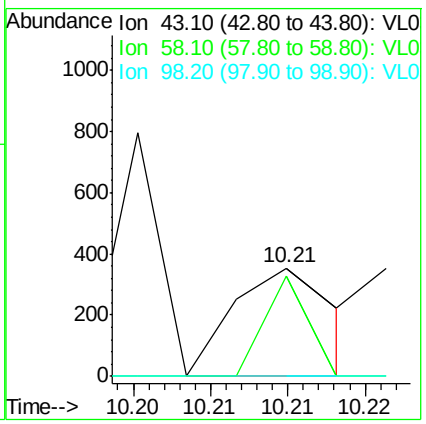


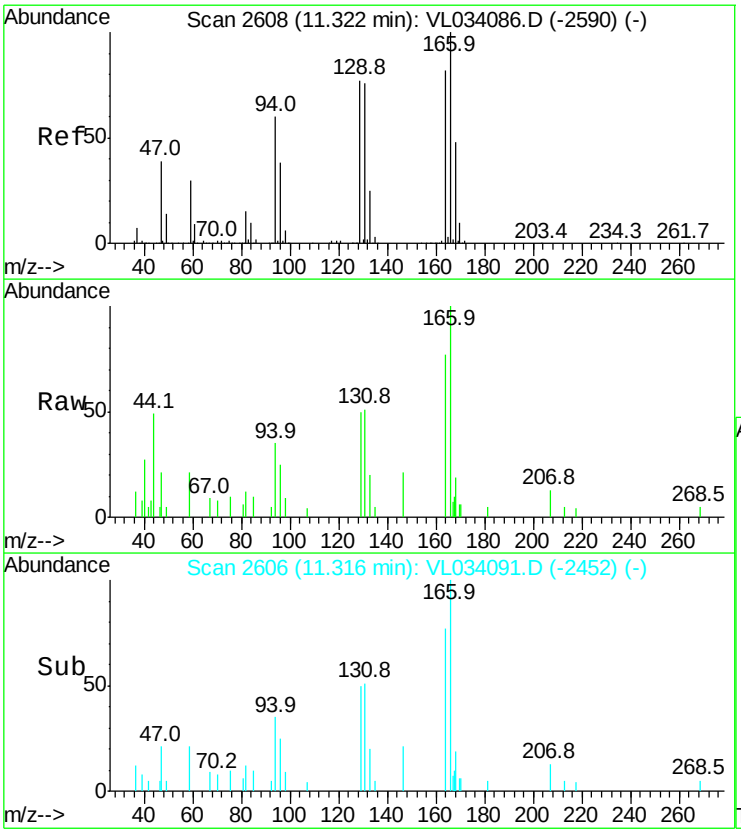
#51
2-Hexanone
Concen: 0.001 ppbv
RT: 10.21 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 43 Resp: 160

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.5	57.7#
98	0.0	0.0	0.0

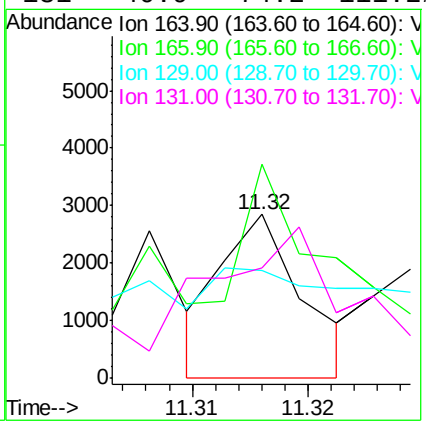


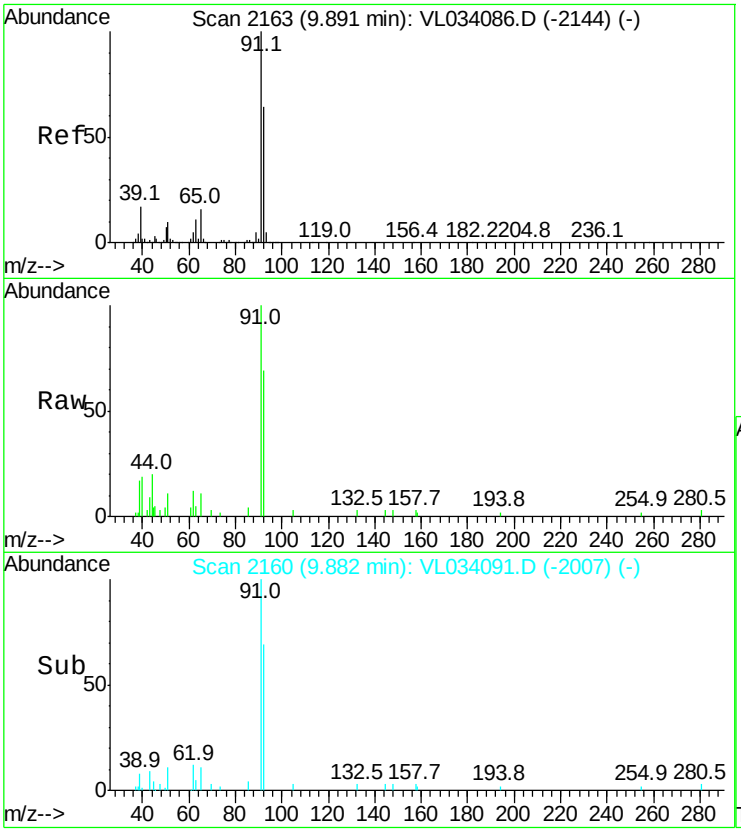


#52
Tetrachloroethene
Concen: 0.021 ppbv
RT: 11.32 min Scan# 2606
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:164 Resp: 1401

Ion	Ratio	Lower	Upper
164	100		
166	129.0	96.8	145.2
129	35.6	74.9	112.3#
131	40.9	74.2	111.2#



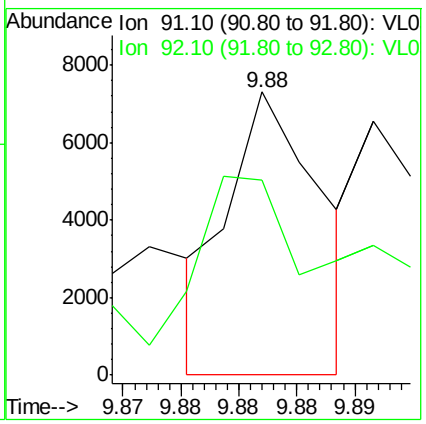


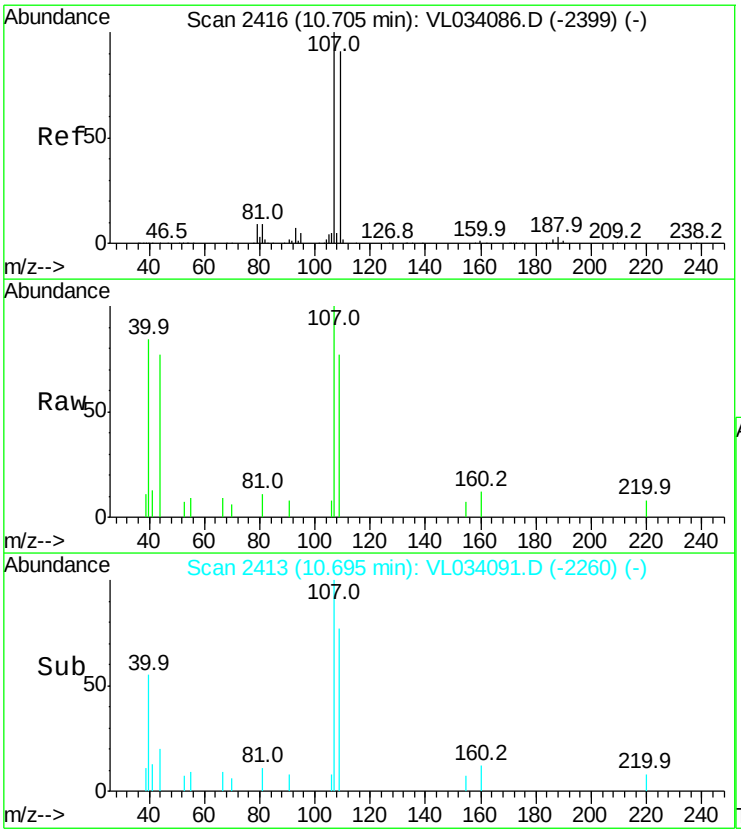
#53
Toluene
Concen: 0.018 ppbv
RT: 9.88 min Scan# 2160
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 4028

Ion	Ratio	Lower	Upper
91	100		
92	185.8	50.3	75.5#

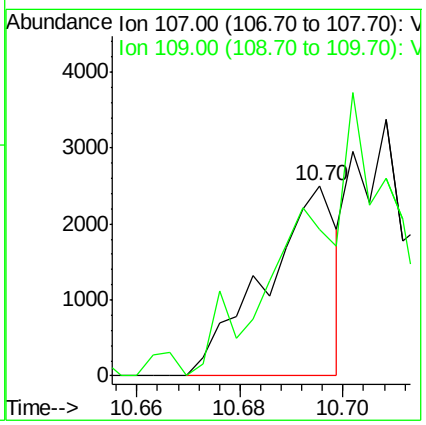


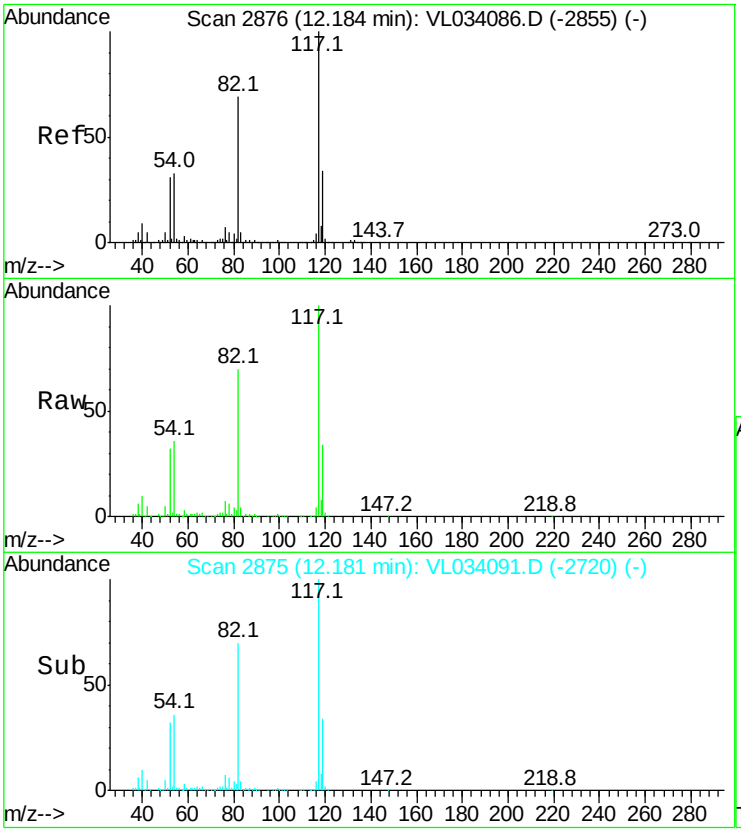


#54
1,2-Dibromoethane
Concen: 0.018 ppbv
RT: 10.70 min Scan# 2413
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:107 Resp: 2399

Ion	Ratio	Lower	Upper
107	100		
109	76.8	72.9	109.3



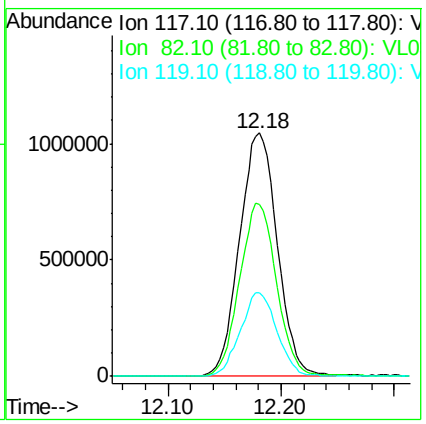


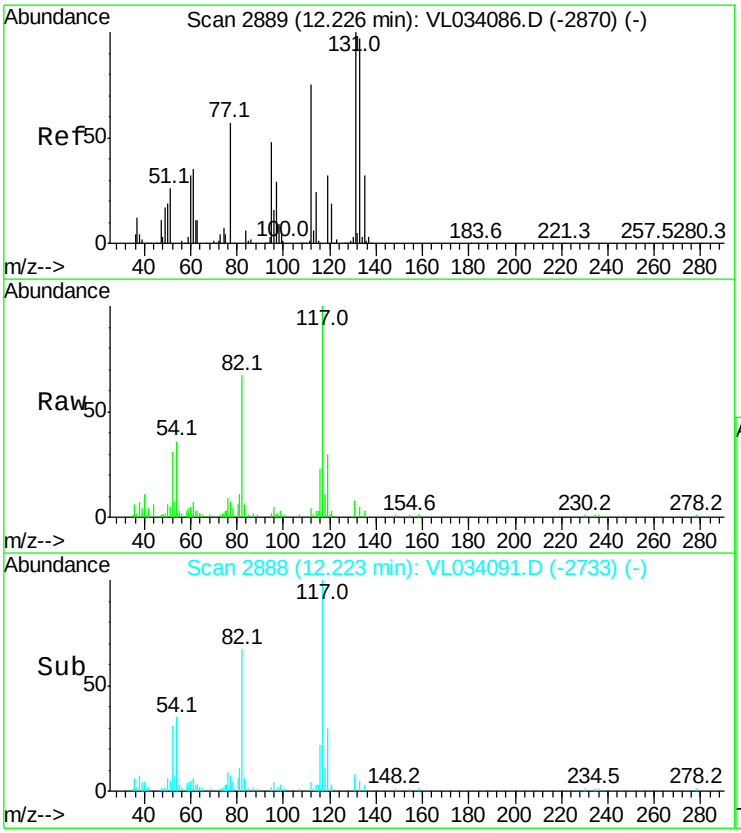
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2875
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:117 Resp: 2431995

Ion	Ratio	Lower	Upper
117	100		
82	69.7	52.2	78.4
119	33.6	44.8	67.2#

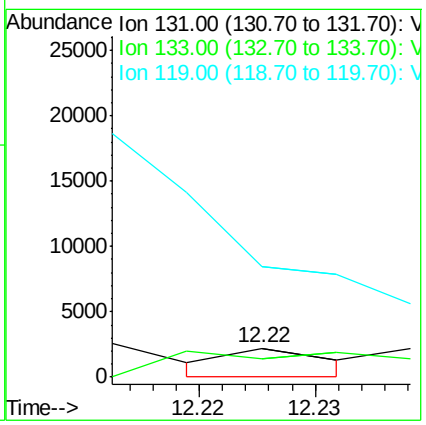


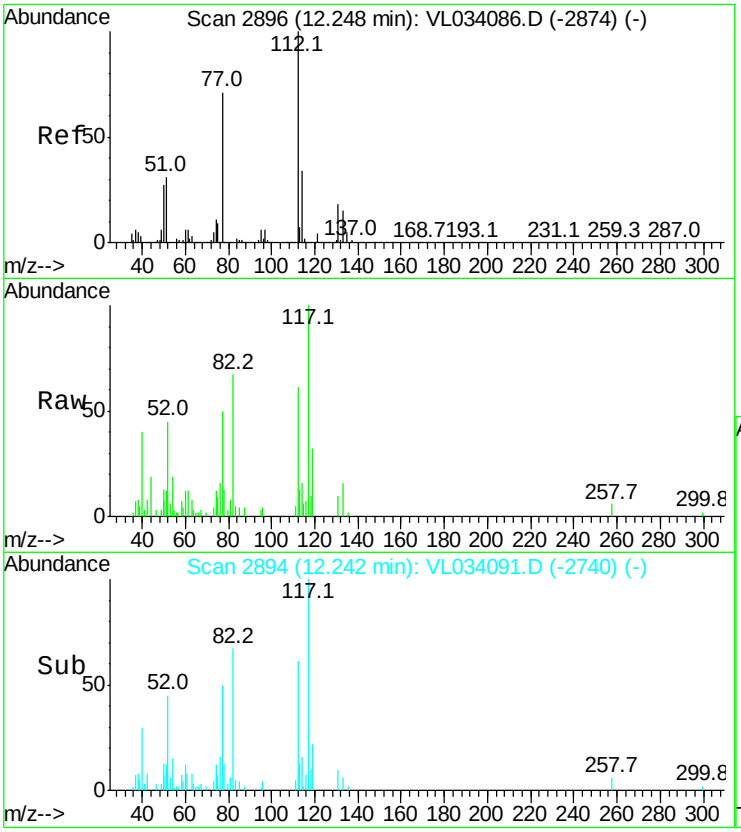


#56
1,1,1,2-Tetrachloroethane
Concen: 0.006 ppbv
RT: 12.22 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:131 Resp: 686

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.5	114.7#
119	0.0	114.7	172.1#



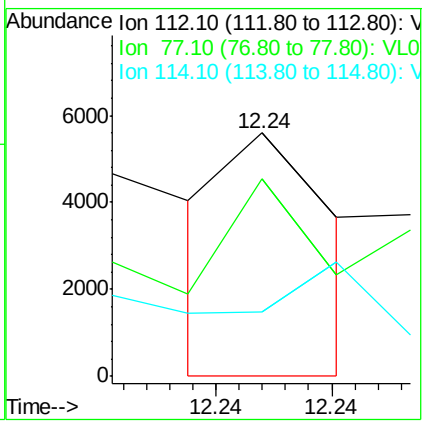


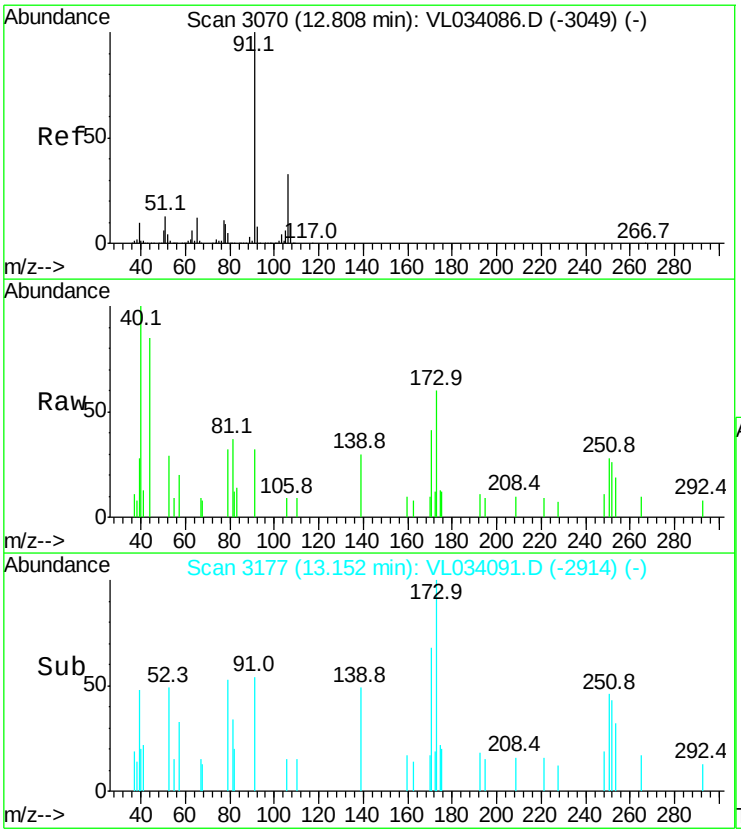
#57
Chlorobenzene
Concen: 0.009 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:112 Resp: 1785

Ion	Ratio	Lower	Upper
112	100		
77	135.6	57.8	86.6#
114	28.9	30.3	37.1#

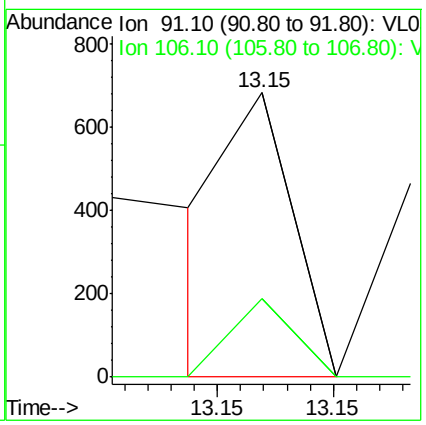


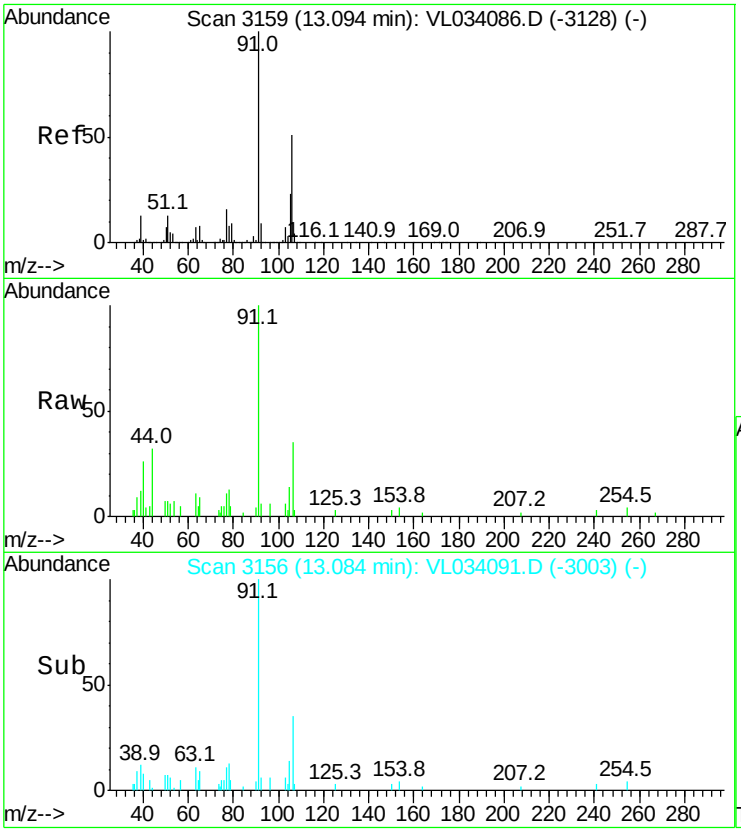


#58
Ethyl Benzene
Concen: 0.000 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. 0.34 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 91 Resp: 132

Ion	Ratio	Lower	Upper
91	100		
106	27.1	26.0	39.0



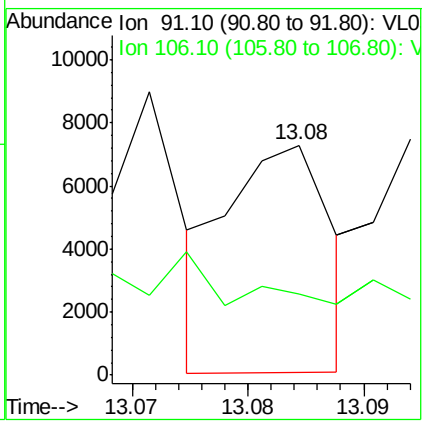


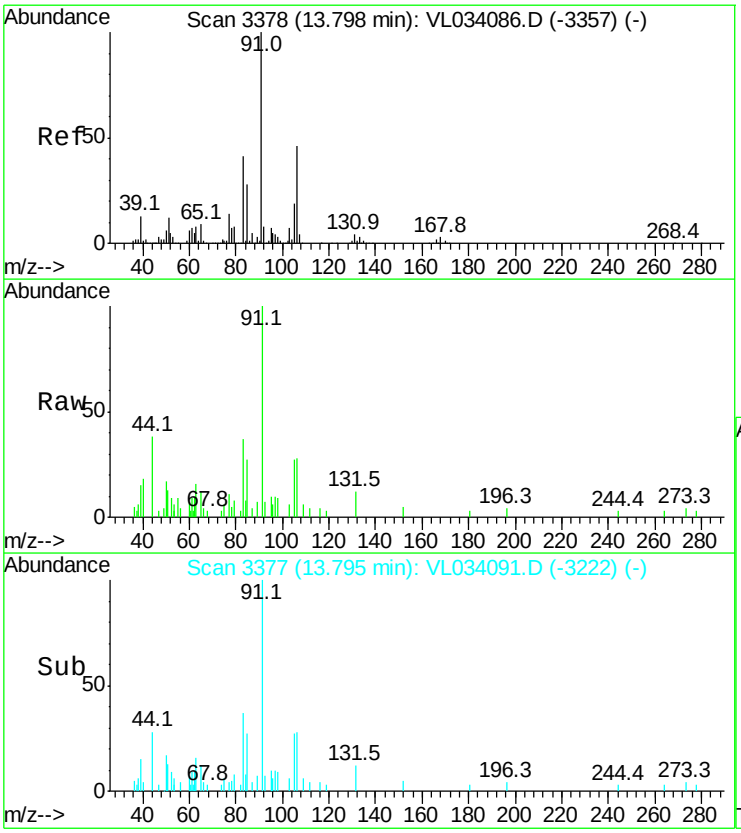
#59
m/p-Xylene
Concen: 0.016 ppbv
RT: 13.08 min Scan# 3156
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 91 Resp: 4486

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.7	58.1#

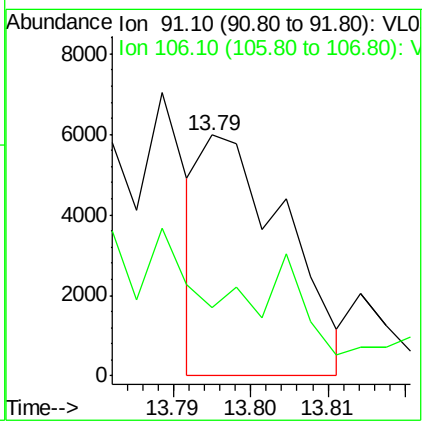


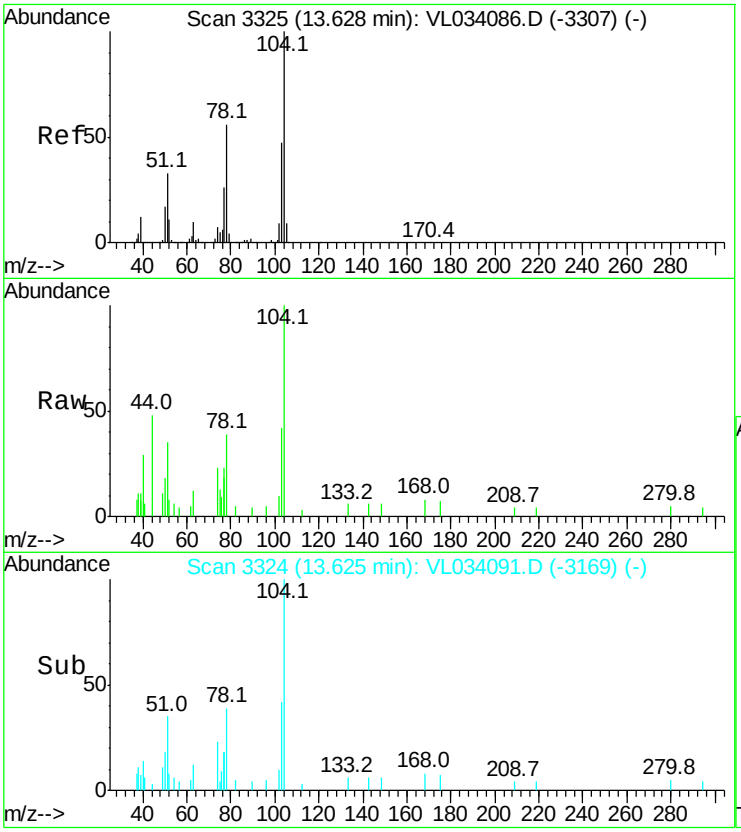


#60
o-Xylene
Concen: 0.016 ppbv
RT: 13.79 min Scan# 3377
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 91 Resp: 4513

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.6	67.7#



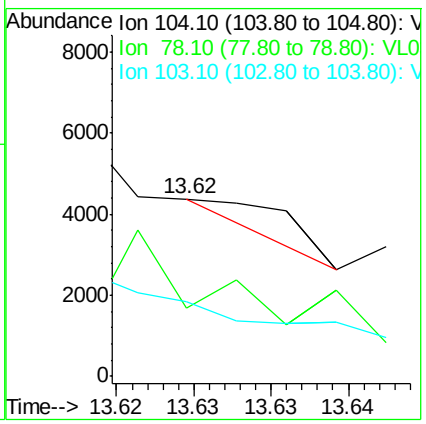


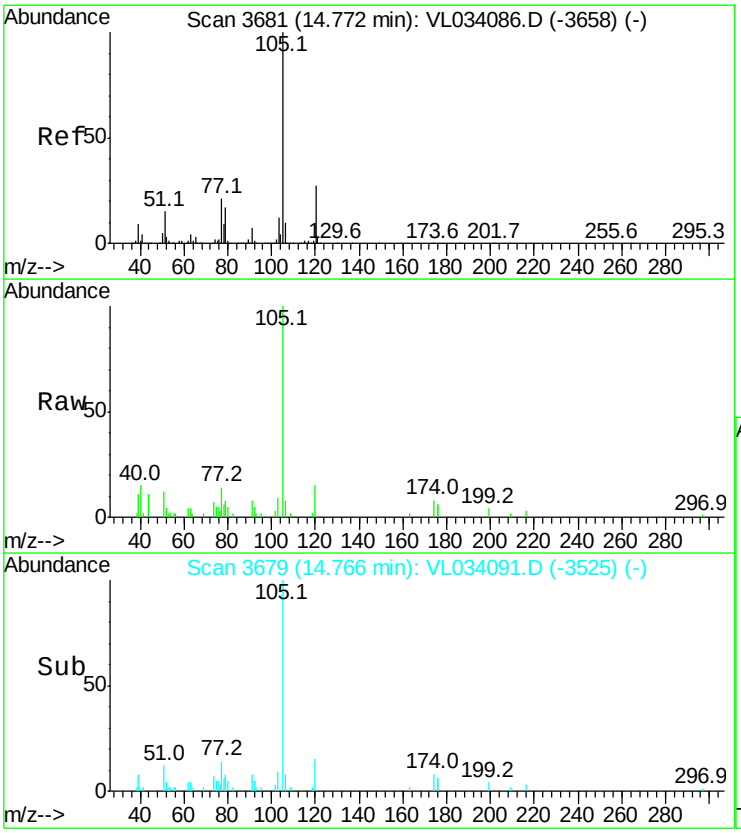
#61
Styrene
Concen: 0.000 ppbv
RT: 13.62 min Scan# 3324
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion:104 Resp: 92

Ion	Ratio	Lower	Upper
104	100		
78	5212.0	44.2	66.4#
103	0.0	38.3	57.5#

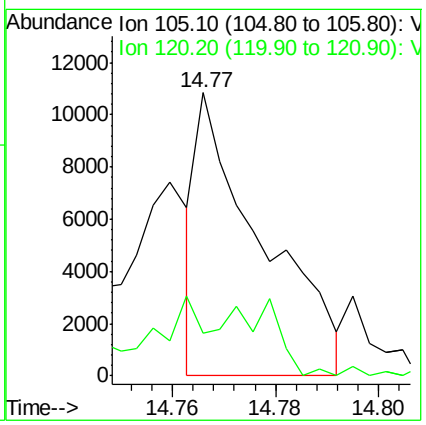


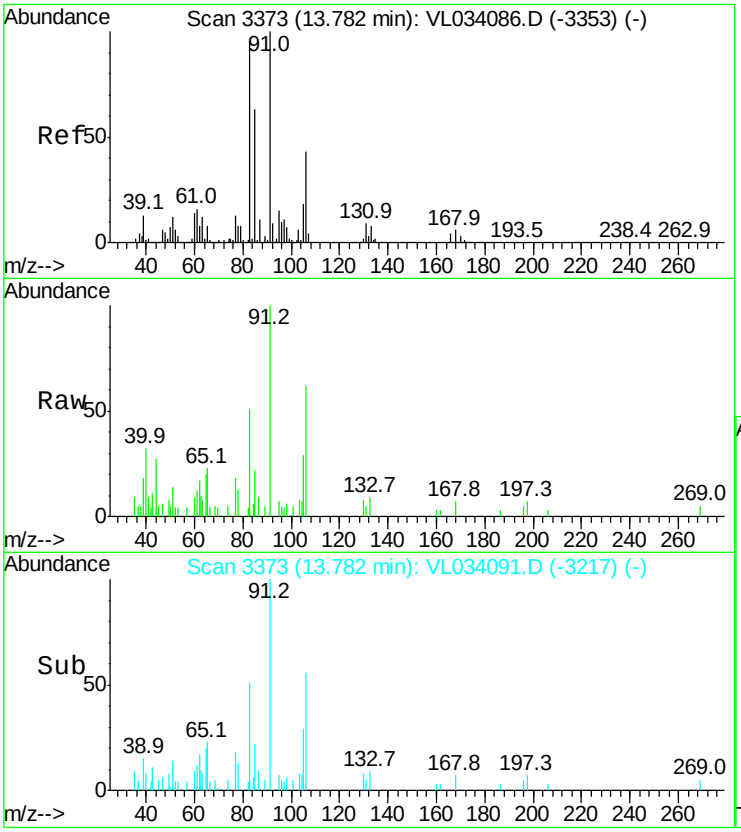


#62
Isopropylbenzene
Concen: 0.025 ppbv
RT: 14.77 min Scan# 3679
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:105 Resp: 9482

Ion	Ratio	Lower	Upper
105	100		
120	47.1	21.4	32.2#



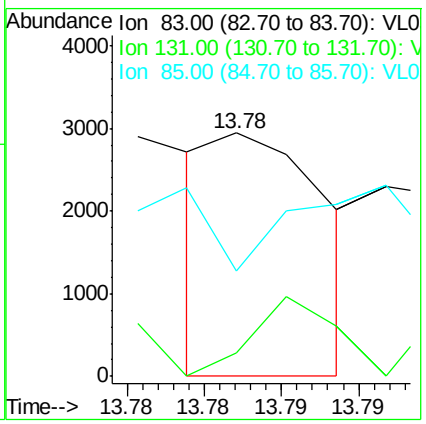


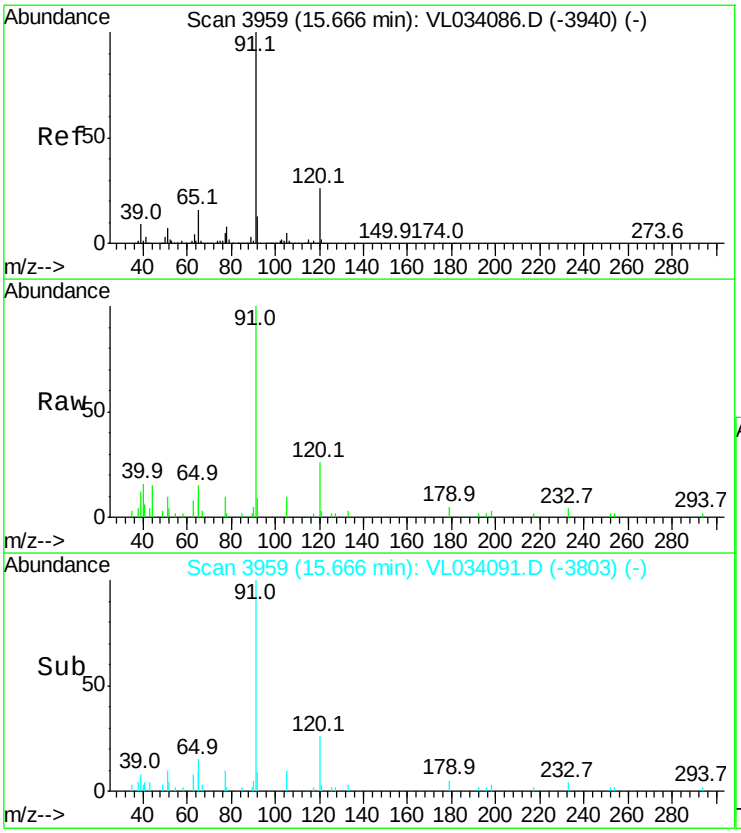
#63
1,1,2,2-Tetrachloroethane
Concen: 0.007 ppbv
RT: 13.78 min Scan# 3373
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 1476

Ion	Ratio	Lower	Upper
83	100		
131	62.6	4.6	13.8#
85	0.0	32.6	97.8#

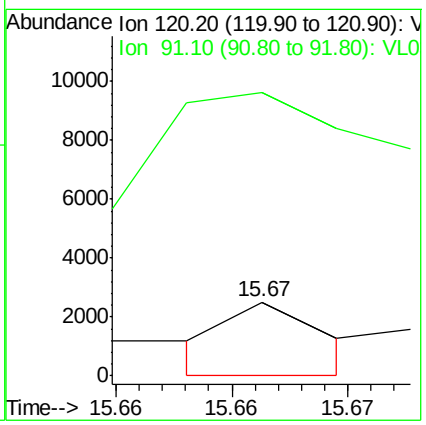


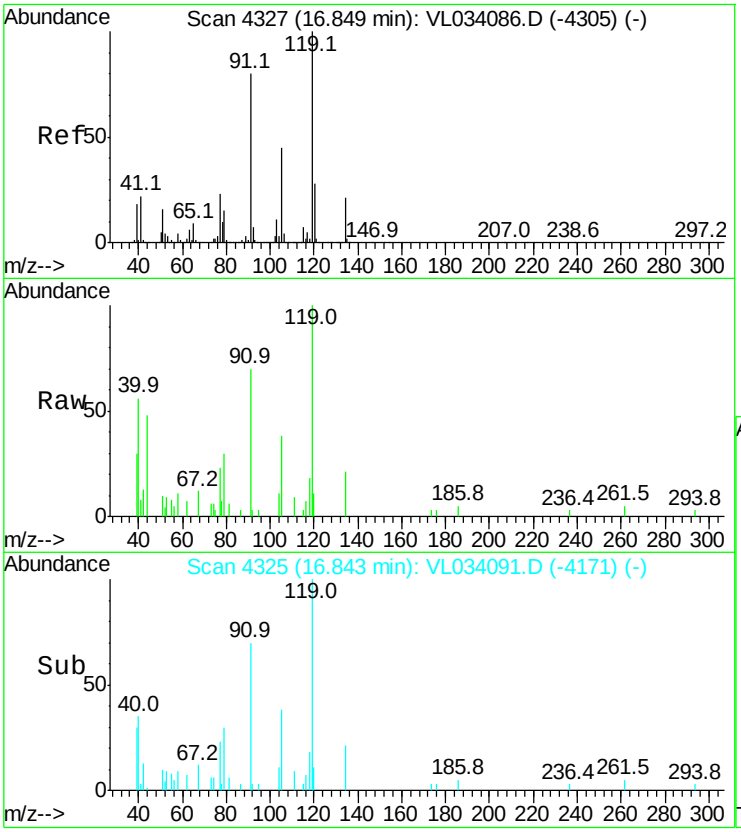


#64
n-propylbenzene
Concen: 0.008 ppbv
RT: 15.67 min Scan# 3959
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:120 Resp: 728

Ion	Ratio	Lower	Upper
120	100		
91	3005.9	359.7	539.5#



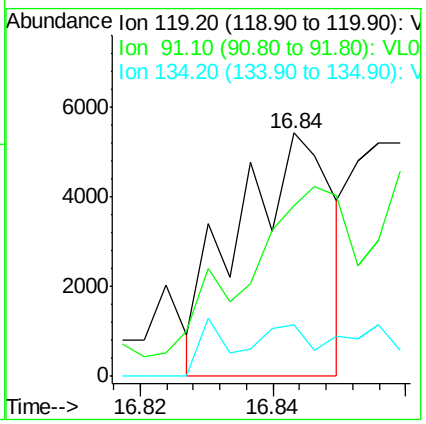


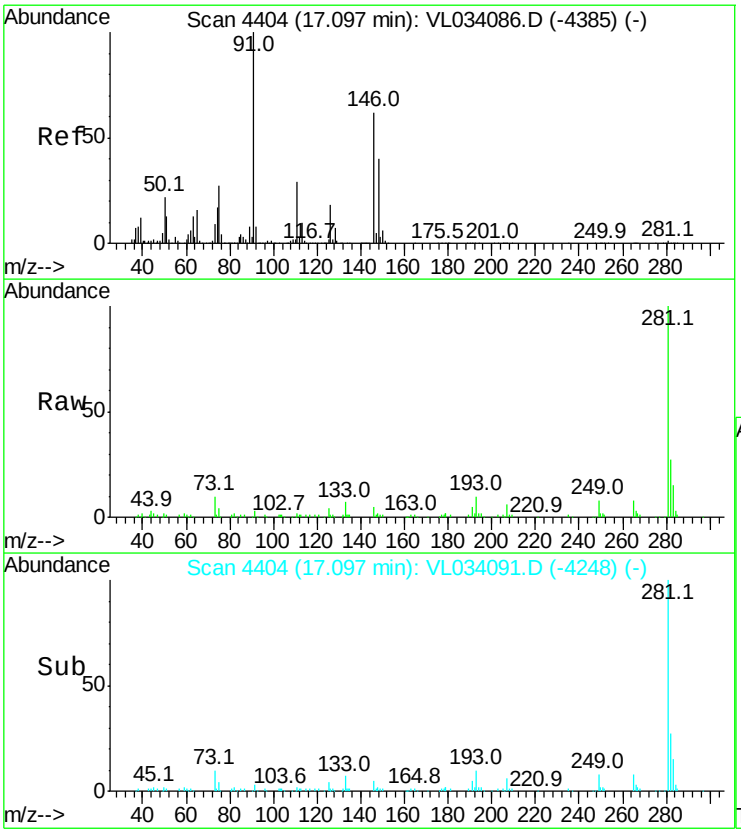
#65
tert-Butylbenzene
Concen: 0.016 ppbv
RT: 16.84 min Scan# 4325
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 5385

Ion	Ratio	Lower	Upper
119	100		
91	0.0	67.6	101.4#
134	0.0	16.0	24.0#

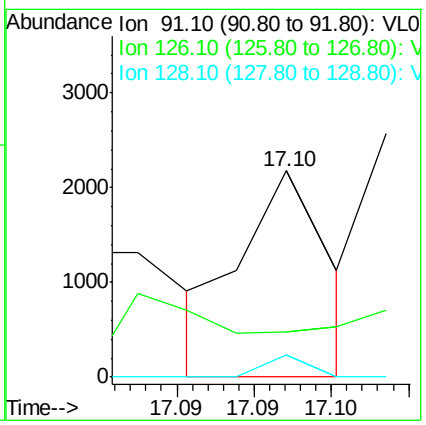


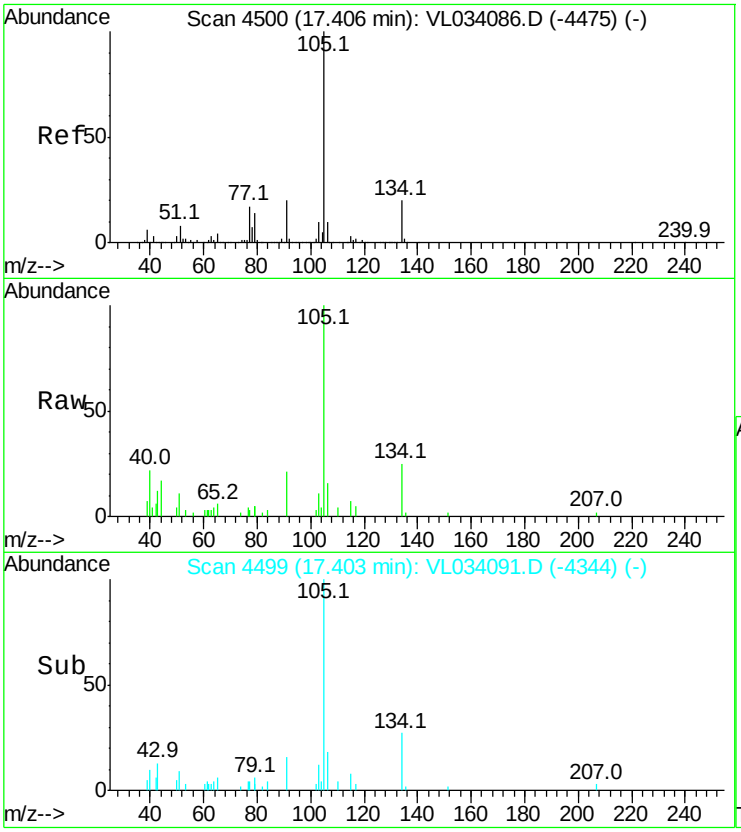


#66
Benzyl Chloride
Concen: 0.005 ppbv
RT: 17.10 min Scan# 4404
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 91 Resp: 855

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.8	22.2#
128	0.0	4.8	7.2#



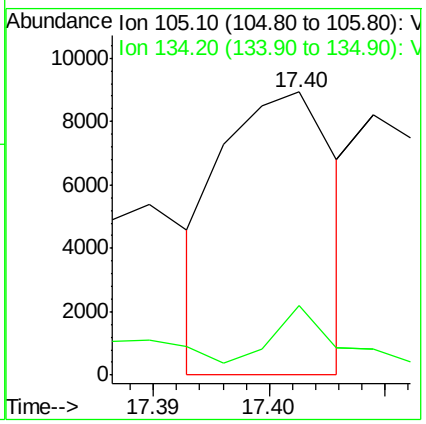


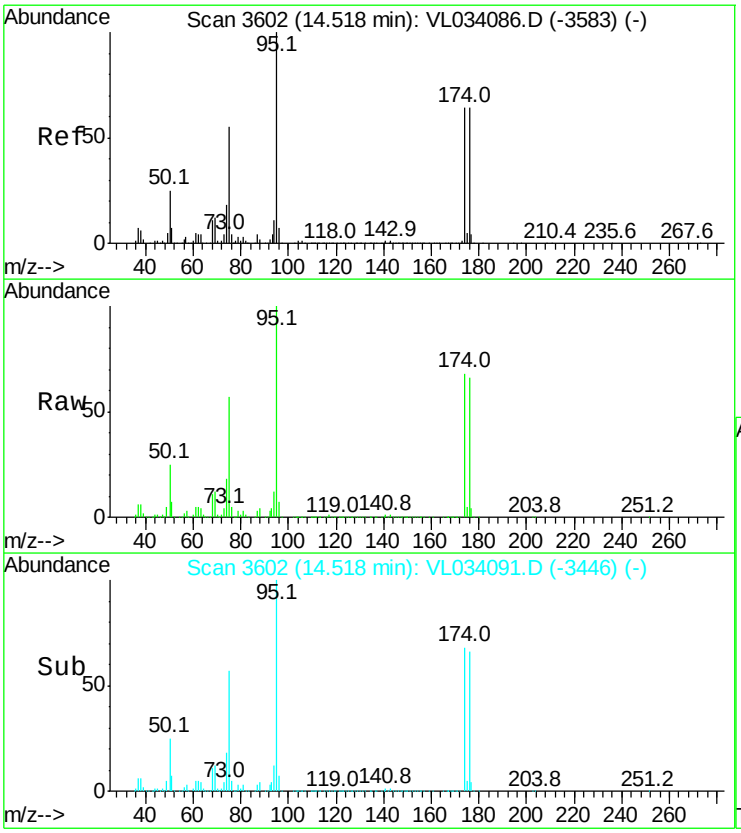
#67
sec-Butylbenzene
Concen: 0.013 ppbv
RT: 17.40 min Scan# 4499
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 6086

Ion	Ratio	Lower	Upper
105	100		
134	54.7	15.4	23.2#

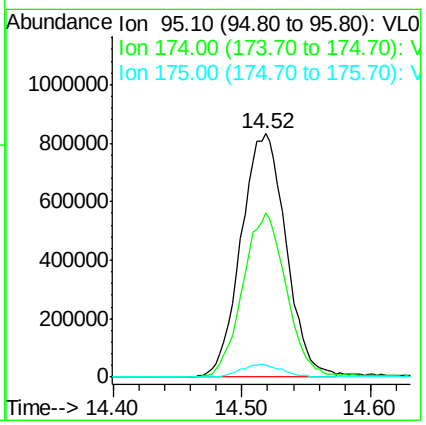


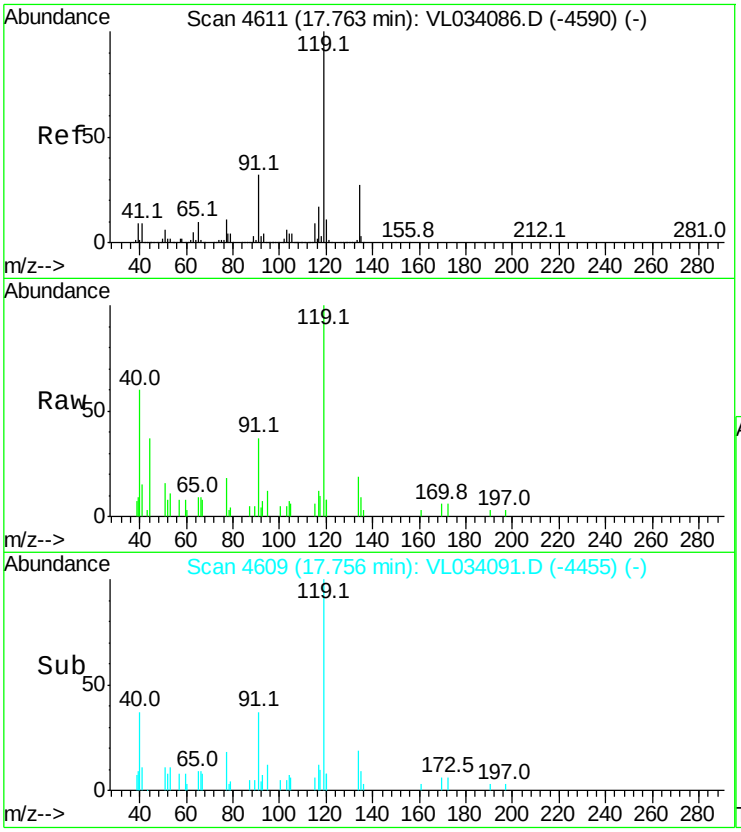


#68
1-Bromo-4-Fluorobenzene
Concen: 9.374 ppbv
RT: 14.52 min Scan# 3602
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 95 Resp: 2014358

Ion	Ratio	Lower	Upper
95	100		
174	65.5	53.0	79.6
175	4.9	4.2	6.2



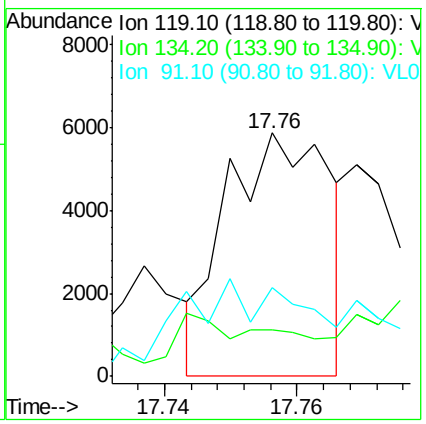


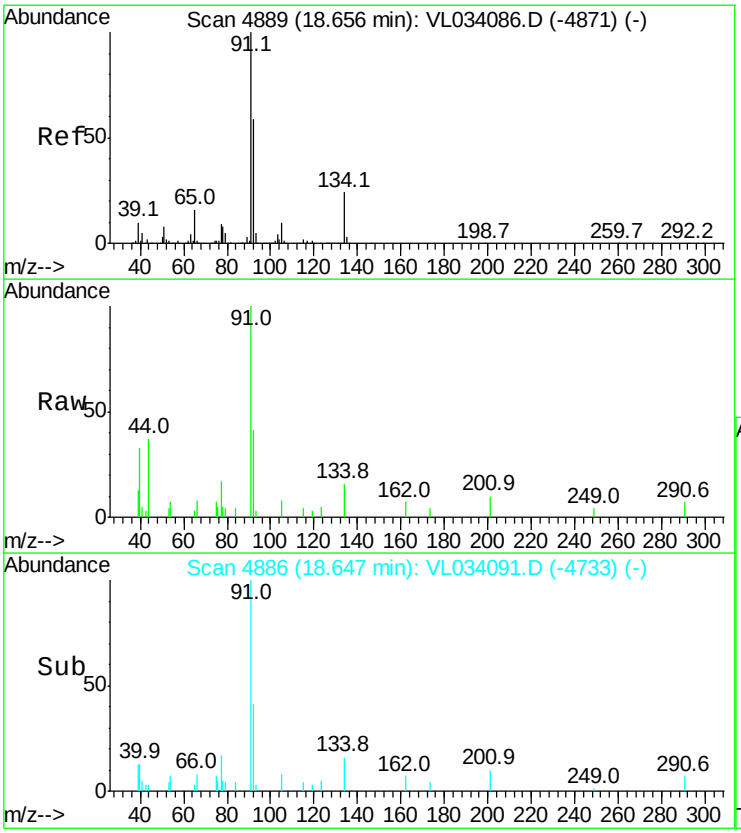
#69
p-Isopropyltoluene
Concen: 0.016 ppbv
RT: 17.76 min Scan# 4609
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:119 Resp: 6366

Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.3	31.9#
91	90.5	25.4	38.0#

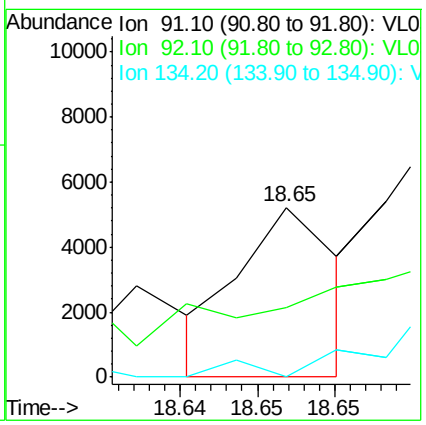


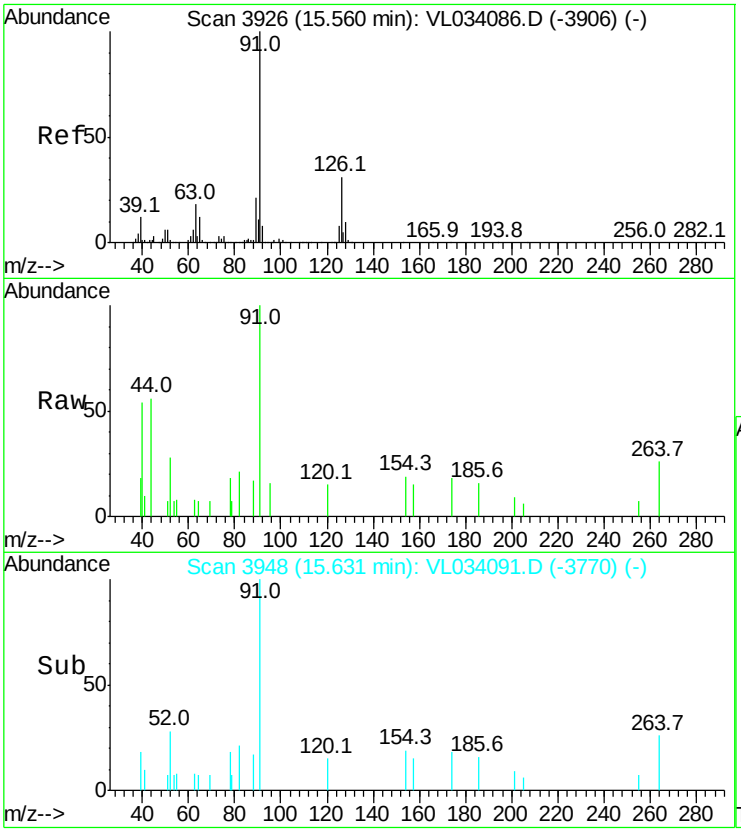


#70
n-Butylbenzene
Concen: 0.005 ppbv
RT: 18.65 min Scan# 4886
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion: 91 Resp: 2312

Ion	Ratio	Lower	Upper
91	100		
92	0.0	45.9	68.9#
134	0.0	19.0	28.4#



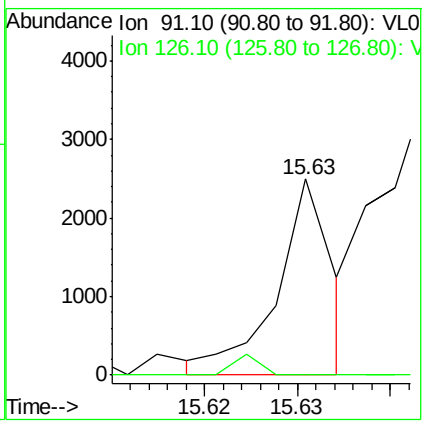


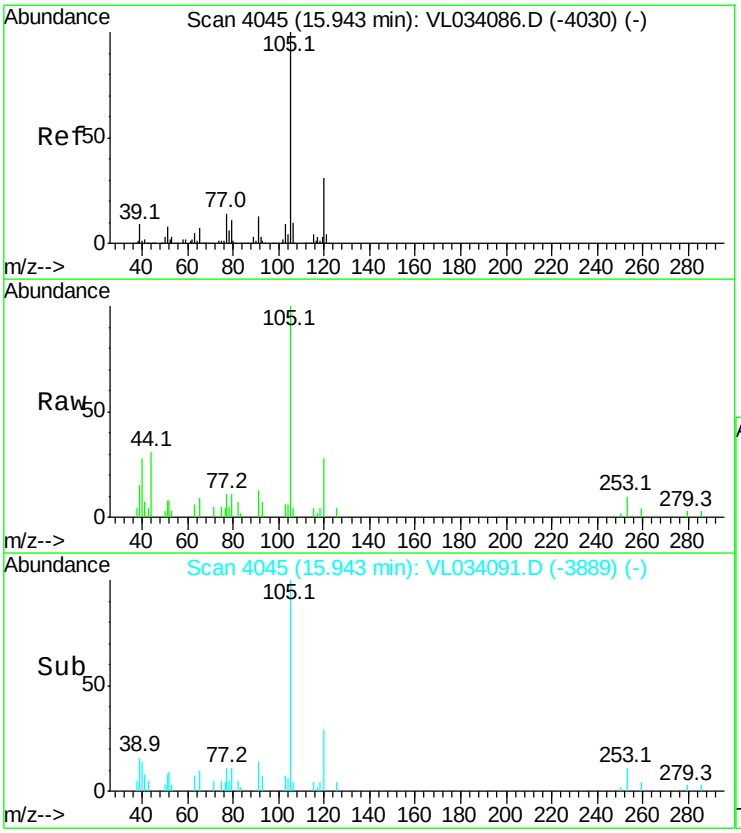
#71
2-Chlorotoluene
Concen: 0.004 ppbv
RT: 15.63 min Scan# 3948
Delta R.T. 0.07 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Tgt Ion: 91 Resp: 1023

Ion	Ratio	Lower	Upper
91	100		
126	17.1	12.2	48.6

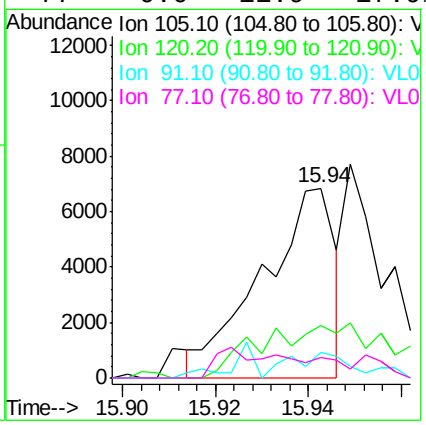


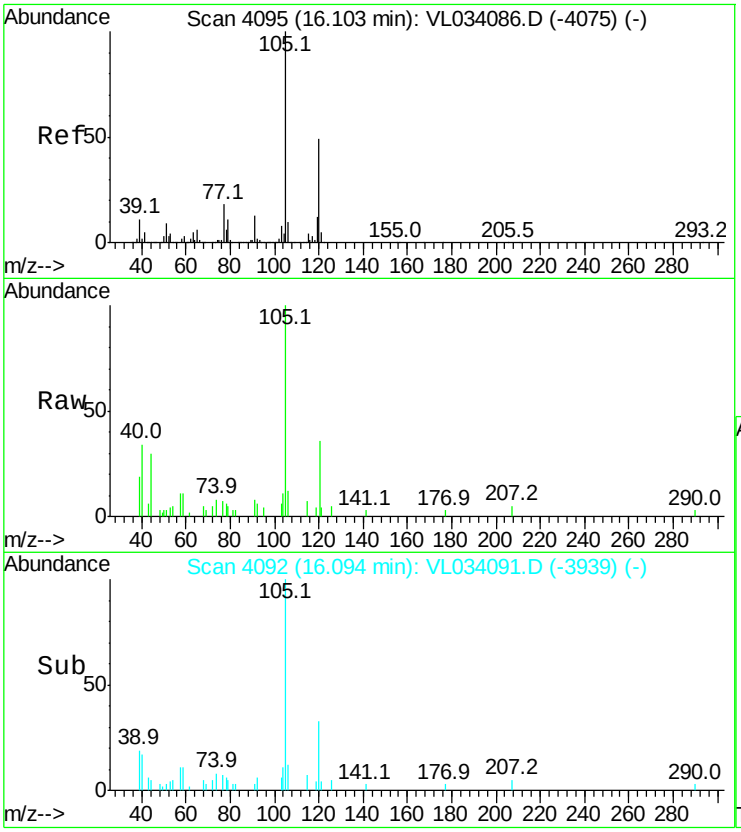


#72
4-Ethyltoluene
Concen: 0.023 ppbv
RT: 15.94 min Scan# 4045
Delta R.T. 0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:105 Resp: 7424

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.2	36.2#
91	0.0	10.5	15.7#
77	0.0	11.9	17.9#



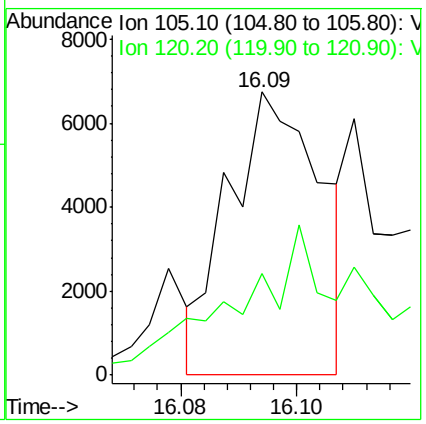


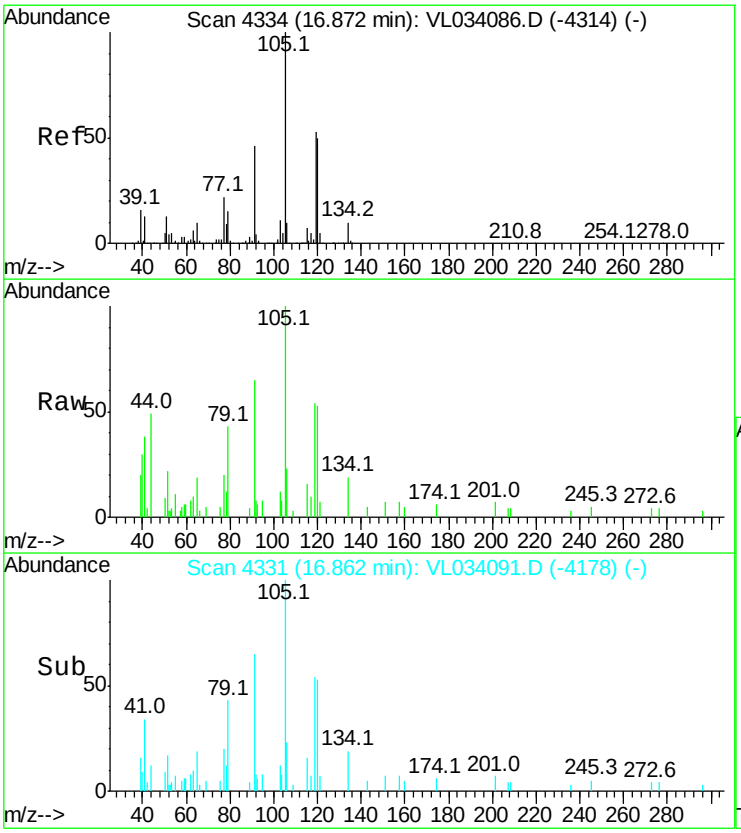
#73
1,3,5-Trimethylbenzene
Concen: 0.023 ppbv
RT: 16.09 min Scan# 4092
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 7428

Ion	Ratio	Lower	Upper
105	100		
120	21.2	39.0	58.4#

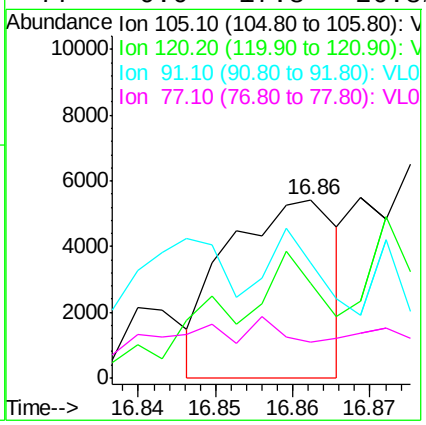


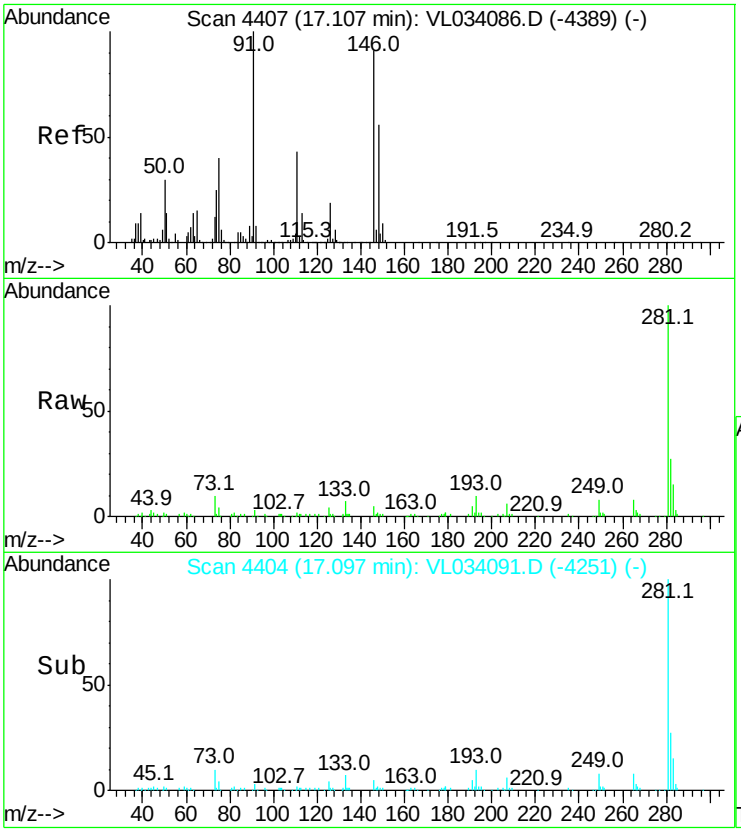


#74
1,2,4-Trimethylbenzene
Concen: 0.015 ppbv
RT: 16.86 min Scan# 4331
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:105 Resp: 5331

Ion	Ratio	Lower	Upper
105	100		
120	38.4	40.2	60.4#
91	38.4	38.1	57.1
77	0.0	17.8	26.8#



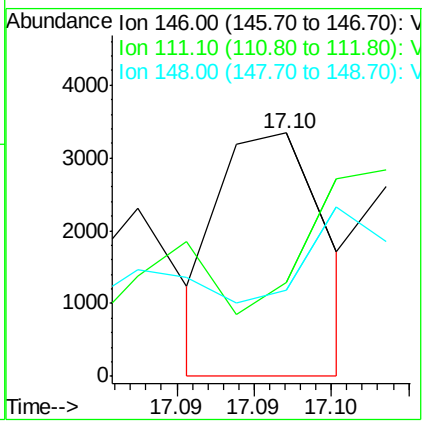


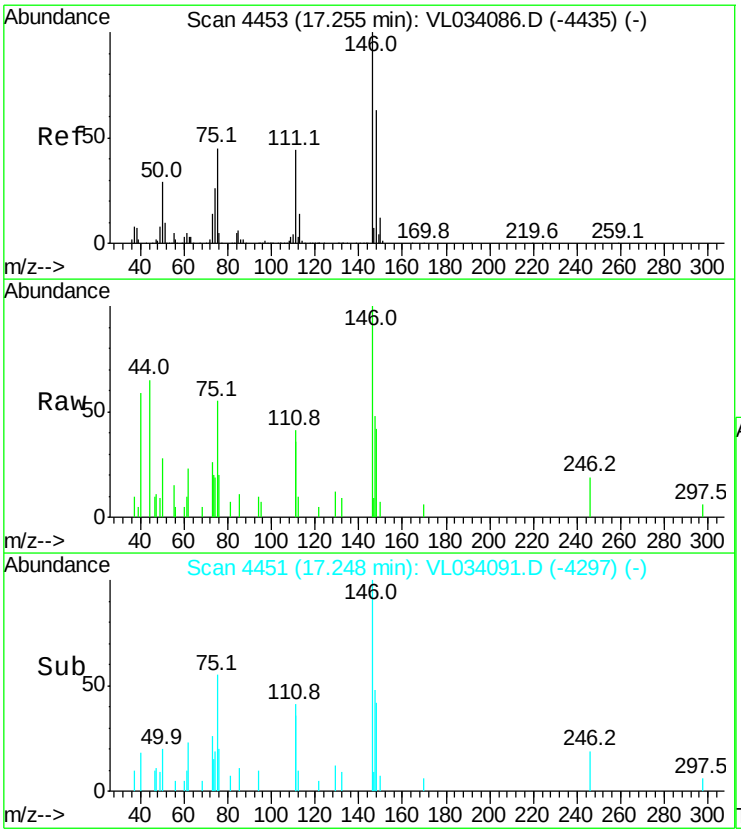
#75
1,3-Dichlorobenzene
Concen: 0.008 ppbv
RT: 17.10 min Scan# 4404
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 1593

Ion	Ratio	Lower	Upper
146	100		
111	294.7	23.8	71.5#
148	356.4	32.4	97.2#

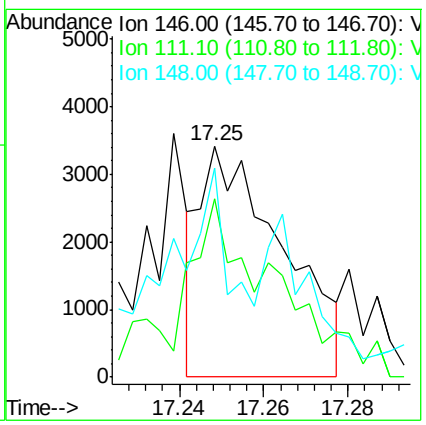


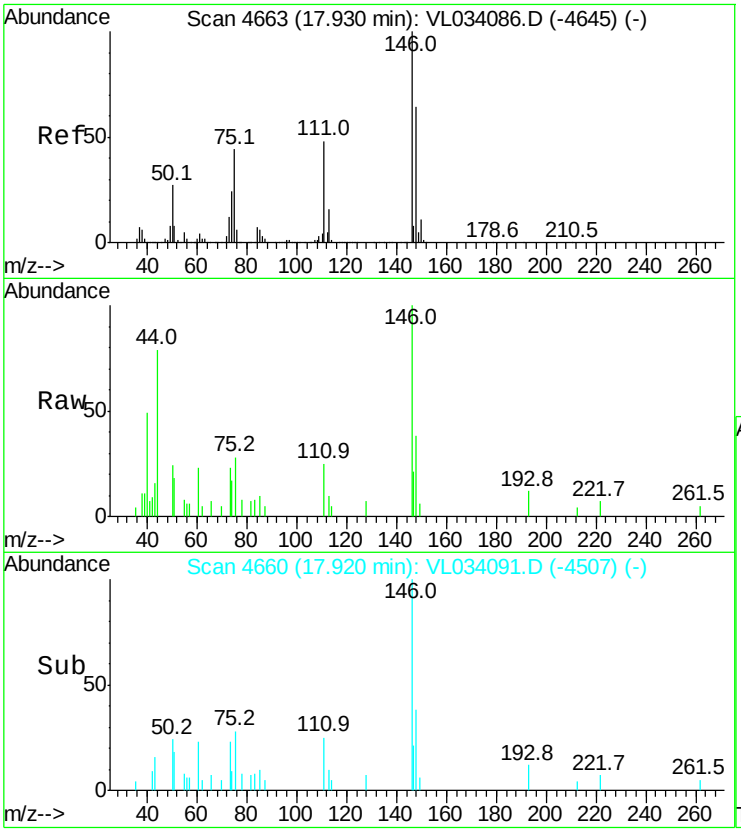


#76
1,4-Dichlorobenzene
Concen: 0.024 ppbv
RT: 17.25 min Scan# 4451
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:146 Resp: 4635

Ion	Ratio	Lower	Upper
146	100		
111	102.1	23.2	69.5#
148	122.9	32.1	96.5#



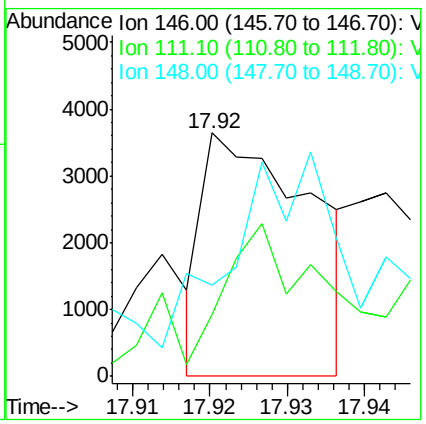


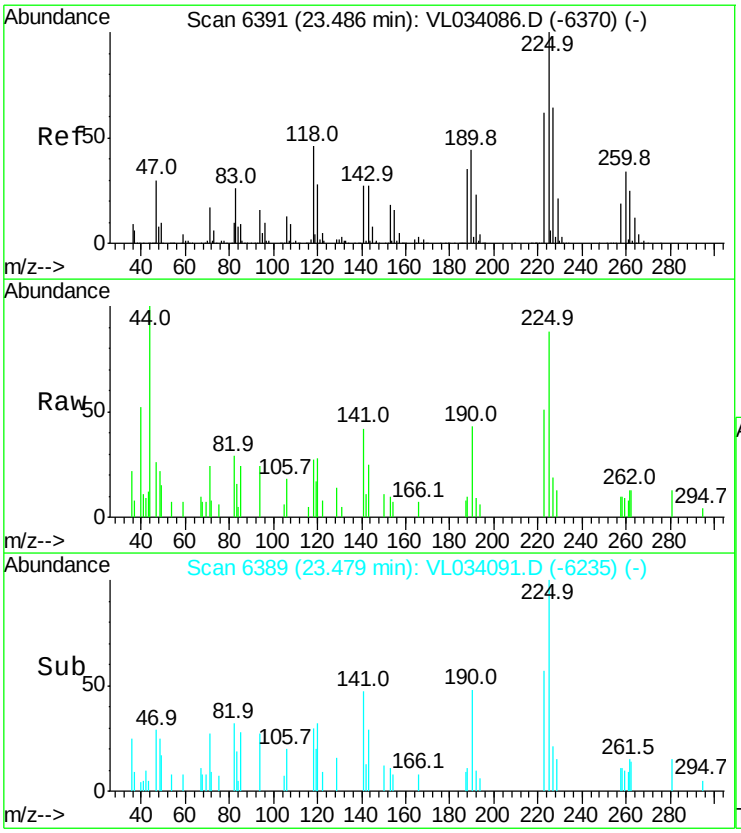
#77
1,2-Dichlorobenzene
Concen: 0.018 ppbv
RT: 17.92 min Scan# 4660
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:146 Resp: 3492

Ion	Ratio	Lower	Upper
146	100		
111	122.9	24.0	72.0#
148	166.0	31.9	95.7#

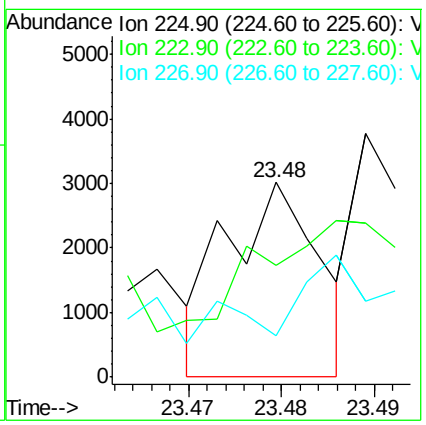


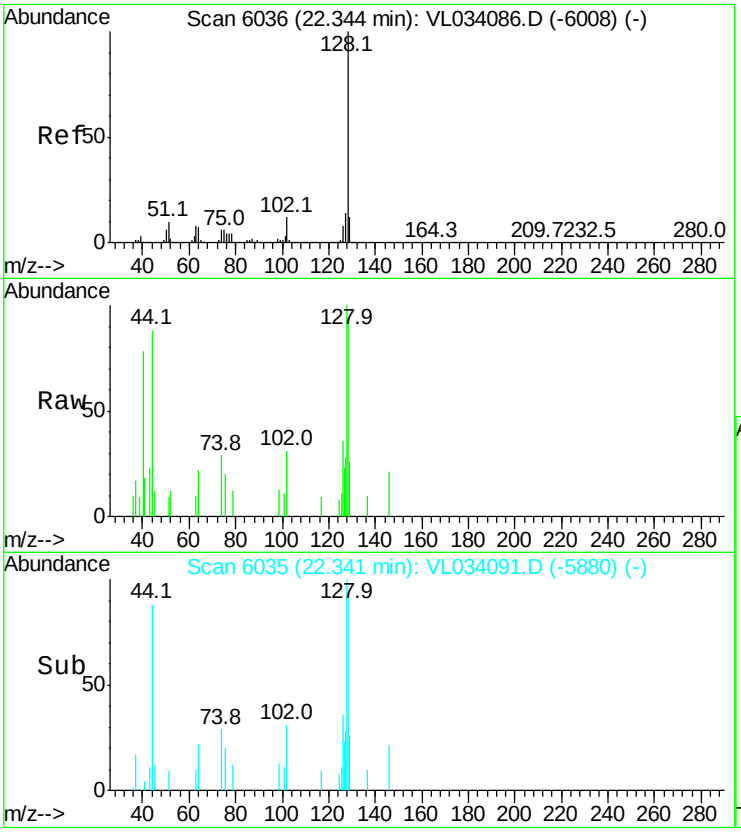


#78
Hexachloro-1,3-Butadiene
Concen: 0.012 ppbv
RT: 23.48 min Scan# 6389
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:225 Resp: 2082

Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.8	76.2#
227	0.0	52.2	78.2#



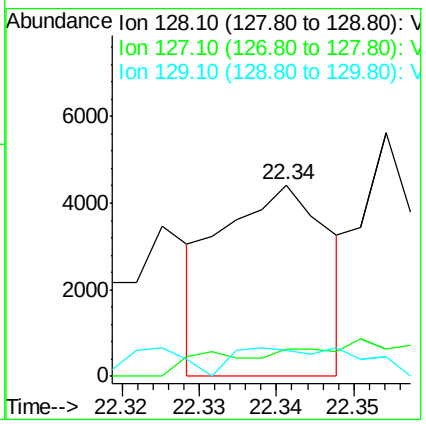


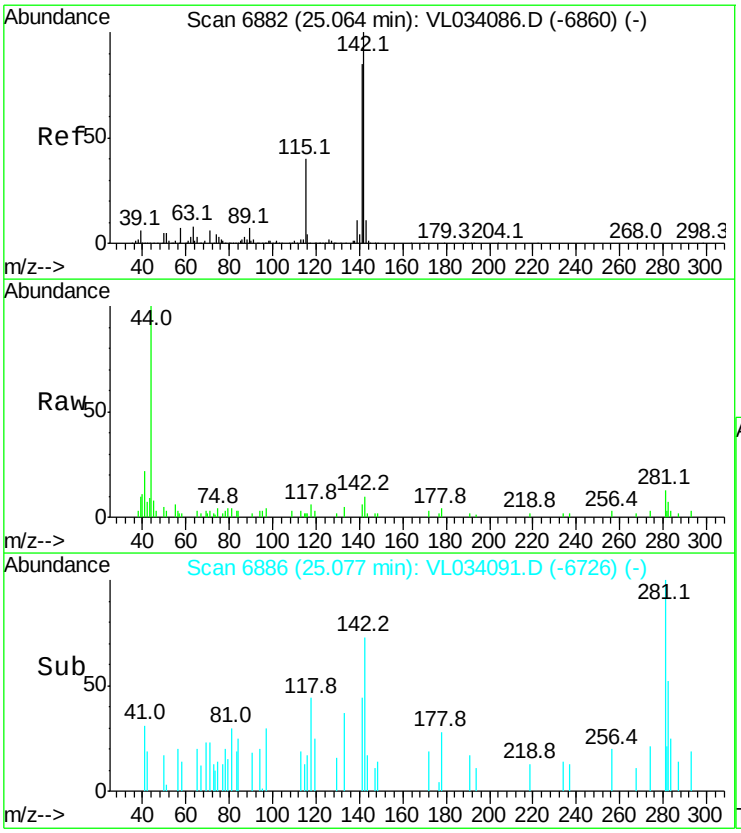
#79
Naphthalene
Concen: 0.014 ppbv
RT: 22.34 min Scan# 6035
Delta R.T. -0.00 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:128 Resp: 4259

Ion	Ratio	Lower	Upper
128	100		
127	14.1	11.0	16.6
129	15.2	9.2	13.8#

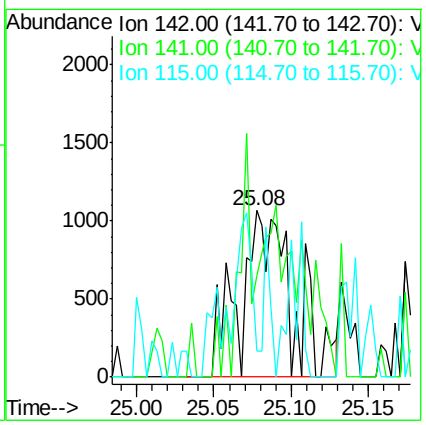


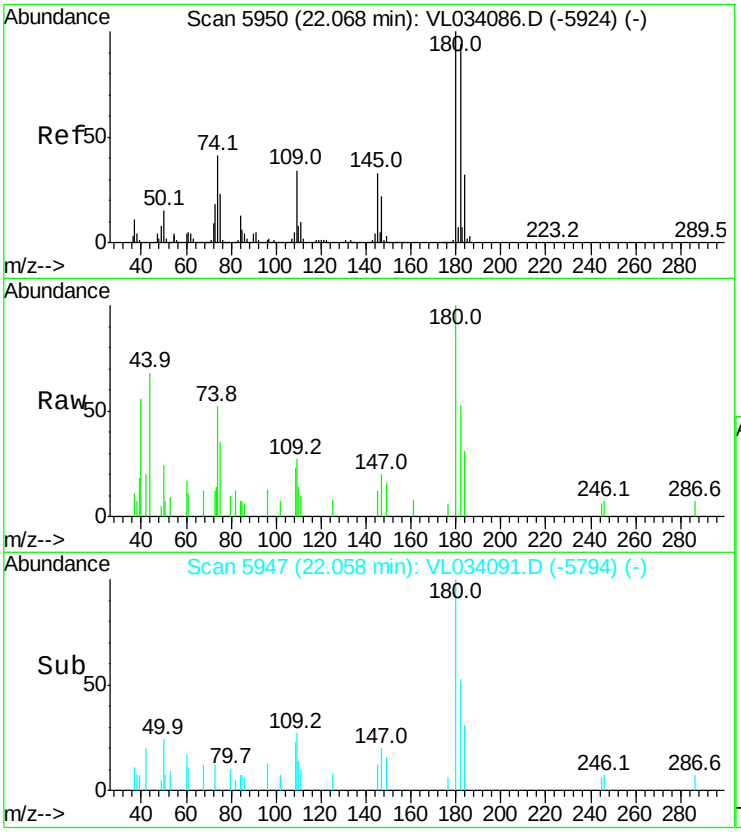


#80
Naphthalene,2-methyl-
Concen: 0.021 ppbv
RT: 25.08 min Scan# 6886
Delta R.T. 0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Tgt Ion:142 Resp: 2514

Ion	Ratio	Lower	Upper
142	100		
141	119.7	66.1	99.1#
115	55.6	30.8	46.2#





#81
1,2,4-Trichlorobenzene
Concen: 0.010 ppbv
RT: 22.06 min Scan# 5947
Delta R.T. -0.01 min
Lab File: VL034091.D
Acq: 5 Aug 2019 15:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:180 Resp: 2026

Ion	Ratio	Lower	Upper
180	100		
182	398.1	76.7	115.1#
184	0.0	25.0	37.4#