Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080519\
Data File : VL034094.D
Acq On : 5 Aug 2019 20:29
Operator : SY/AP
Sample : VL0805ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Quant Time: Aug 06 07:03:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1192347	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2362334	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2434309	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2040261	10.33	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	282	0.002	ppbv #	41
3) Chlorodifluoromethane	2.99	51	250	0.002	ppbv #	1
4) Chloromethane	3.14	50	98	0.001	ppbv #	43
5) Vinyl Chloride	3.59	62	48	0.001	ppbv #	42
6) Bromomethane	3.54	94	97	0.002	ppbv #	3
7) Chloroethane	3.66	64	94	0.003	ppbv #	43
8) Dichlorotetrafluoroethane	3.05	85	282	0.002	ppbv #	16
9) Propene	3.01	41	1315	0.016	ppbv #	41
10) Heptane	8.19	43	397	0.002	ppbv #	30
11) Trichlorofluoromethane	3.83	101	95	0.001	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.39	101	37	0.000	ppbv #	12
13) Ethanol	3.62	45	192	0.008	ppbv #	38
14) Bromoethene	3.96	108	48	0.001	ppbv #	1
15) Acetone	3.86	43	306	0.002	ppbv #	49
16) 1,3-Butadiene	3.33	39	245	0.003	ppbv #	10
17) tert-Butyl alcohol	4.35	59	84	0.001	ppbv #	1
18) 1,1-Dichloroethene	4.27	96	341	0.006	ppbv #	1
19) Isopropyl Alcohol	3.99	45	272	0.002	ppbv #	44
20) Methylene Chloride	4.37	84	2351	0.046	ppbv	93
21) Allyl Chloride	4.43	41	416	0.004	ppbv #	16
22) trans-1,2-Dichloroethene	4.79	96	117	0.002	ppbv #	1
23) Vinyl Acetate	5.11	43	827	0.003	ppbv #	1
24) 1,1-Dichloroethane	4.94	63	181	0.001	ppbv #	90
25) Ethyl Acetate	5.73	43	884	0.003	ppbv #	1
26) Hexane	5.73	57	810	0.006	ppbv #	1
27) Carbon Disulfide	4.59	76	85	0.001	ppbv #	1
28) Methyl tert-Butyl Ether	5.04	73	71	0.000	ppbv #	1
29) Chloroform	5.80	83	92	0.000	ppbv #	17
30) Cyclohexane	7.22	84	181	0.002	ppbv #	1
31) cis-1,2-Dichloroethene	5.65	61	74	0.001	ppbv #	26
34) 2-Butanone	5.28	43	71	0.000	ppbv #	56
35) Carbon Tetrachloride	7.09	117	158	0.001	ppbv #	51
36) Benzene	6.95	78	348	0.001	ppbv #	68
37) 1,2-Dichloroethane	6.35	62	87	0.001	ppbv #	1
38) Trichloroethene	7.90	130	82	0.001	ppbv #	2
39) 1,2-Dichloropropane	7.24	63	679777	6.275	ppbv #	23
40) 1,4-Dioxane	7.92	88	57	0.001	ppbv #	1
41) Tetrahydrofuran	6.11	42	43	0.000	ppbv #	1
42) Bromodichloromethane	7.60	83	114	0.001	ppbv #	25
43) Methyl Methacrylate	8.00	69	93	0.001	ppbv #	60
44) 2,2,4-Trimethylpentane	7.94	57	123	0.000	ppbv #	40

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080519\
Data File : VL034094.D
Acq On : 5 Aug 2019 20:29
Operator : SY/AP
Sample : VL0805ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Quant Time: Aug 06 07:03:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
45) t-1,3-Dichloropropene	9.56	75	67	0.000 ppbv #	43
46) cis-1,3-Dichloropropene	8.86	75	102	0.001 ppbv #	62
47) 1,1,2-Trichloroethane	9.50	97	30	0.000 ppbv #	53
48) Dibromochloromethane	10.36	129	105	0.001 ppbv	59
49) Bromoform	13.22	173	83	0.001 ppbv #	54
50) 4-Methyl-2-Pentanone	8.80	43	122	0.000 ppbv #	40
51) 2-Hexanone	10.20	43	62	0.000 ppbv #	29
52) Tetrachloroethene	10.94	164	89	0.001 ppbv #	21
53) Toluene	9.96	91	145	0.000 ppbv	96
54) 1,2-Dibromoethane	10.92	107	182	0.001 ppbv #	4
56) 1,1,1,2-Tetrachloroethane	12.23	131	147	0.001 ppbv #	1
57) Chlorobenzene	12.23	112	135	0.001 ppbv #	52
58) Ethyl Benzene	12.79	91	269	0.001 ppbv	98
59) m/p-Xylene	13.08	91	298	0.001 ppbv #	29
60) o-Xylene	13.98	91	199	0.001 ppbv	80
61) Styrene	13.62	104	77	0.000 ppbv #	26
62) Isopropylbenzene	14.76	105	142	0.000 ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.81	83	113	0.000 ppbv #	93
64) n-propylbenzene	15.74	120	75	0.001 ppbv #	1
65) tert-Butylbenzene	16.86	119	133	0.000 ppbv #	1
66) Benzyl Chloride	17.08	91	120	0.001 ppbv #	64
67) sec-Butylbenzene	17.39	105	137	0.000 ppbv #	57
69) p-Isopropyltoluene	17.73	119	218	0.000 ppbv #	51
70) n-Butylbenzene	18.65	91	203	0.000 ppbv #	31
71) 2-Chlorotoluene	15.33	91	261	0.001 ppbv	93
72) 4-Ethyltoluene	15.93	105	397	0.001 ppbv #	55
73) 1,3,5-Trimethylbenzene	16.09	105	335	0.001 ppbv #	82
74) 1,2,4-Trimethylbenzene	16.87	105	1793	0.005 ppbv #	64
75) 1,3-Dichlorobenzene	17.10	146	195	0.001 ppbv #	23
76) 1,4-Dichlorobenzene	17.24	146	152	0.001 ppbv #	23
77) 1,2-Dichlorobenzene	17.93	146	209	0.001 ppbv #	32
78) Hexachloro-1,3-Butadiene	23.51	225	177	0.001 ppbv	97
79) Naphthalene	22.33	128	1392	0.003 ppbv #	62
80) Naphthalene,2-methyl-	25.07	142	634	0.005 ppbv	88
81) 1,2,4-Trichlorobenzene	22.05	180	260	0.001 ppbv #	12

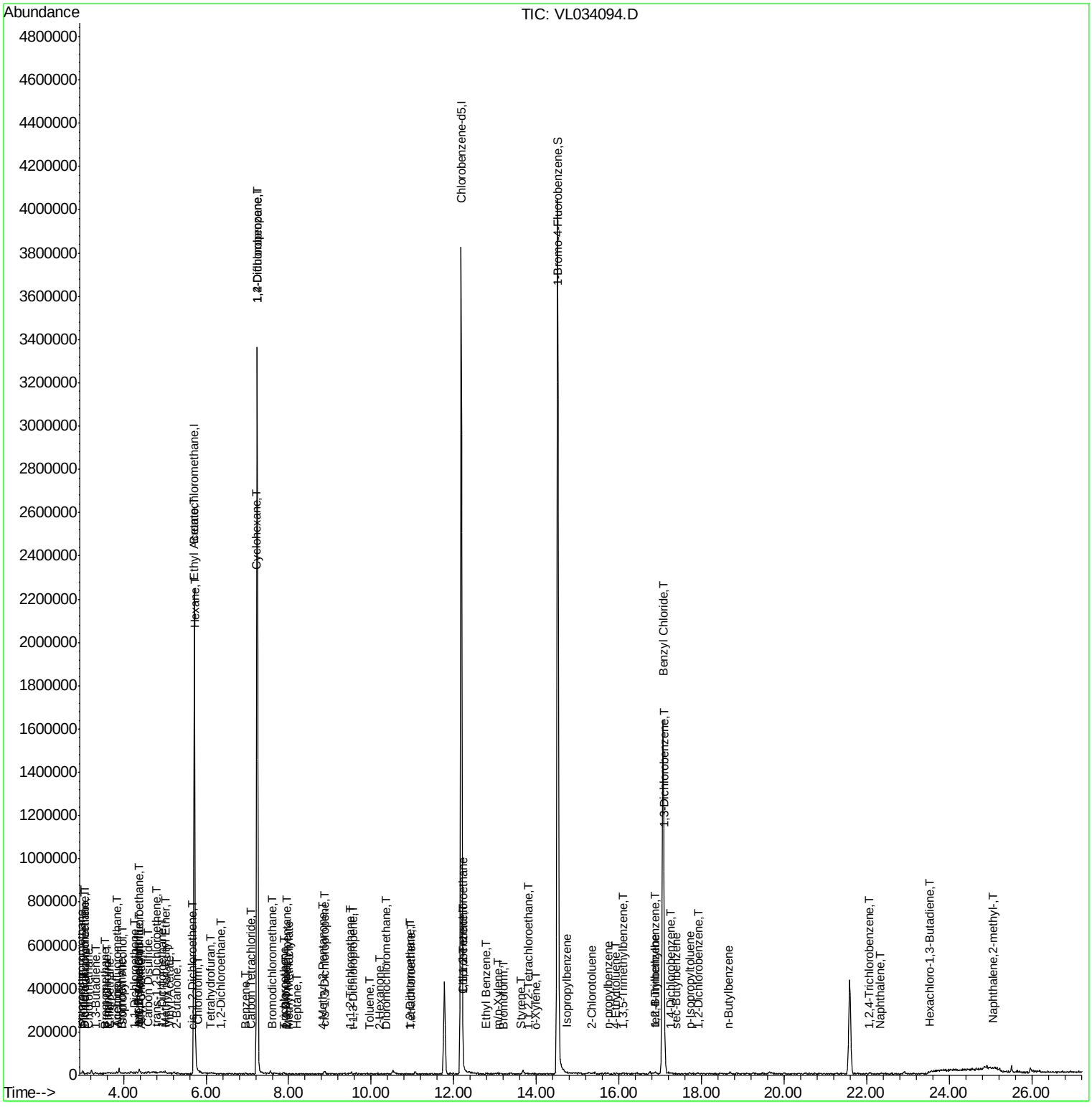
(#) = qualifier out of range (m) = manual integration (+) = signals summed

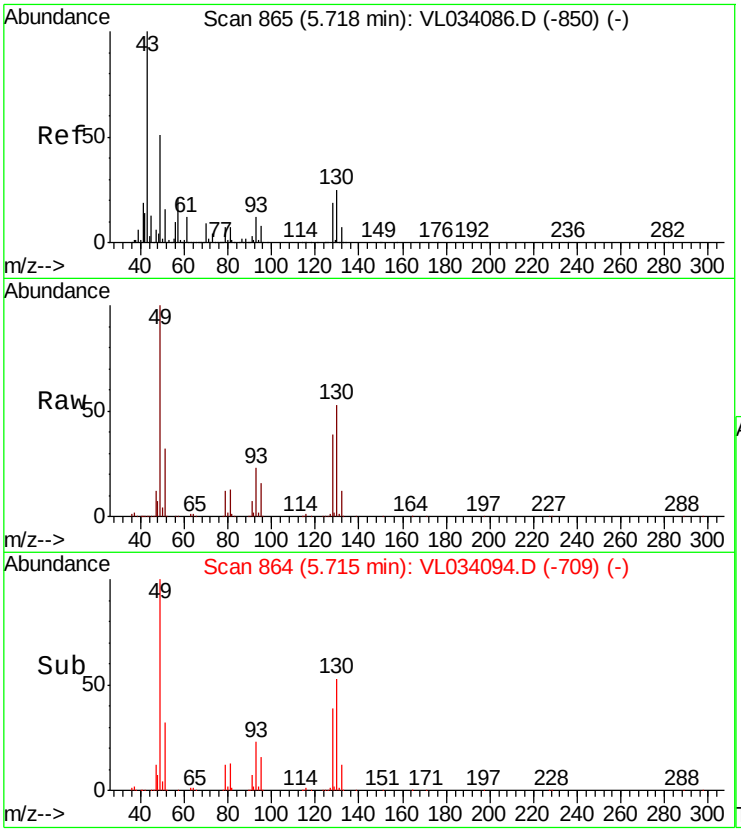
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080519\
Data File : VL034094.D
Acq On : 5 Aug 2019 20:29
Operator : SY/AP
Sample : VL0805ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Quant Time: Aug 06 07:03:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 05 17:09:48 2019
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration



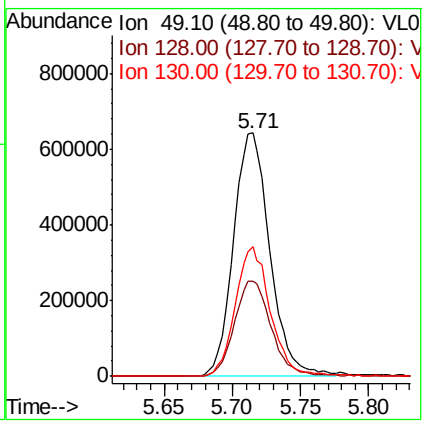


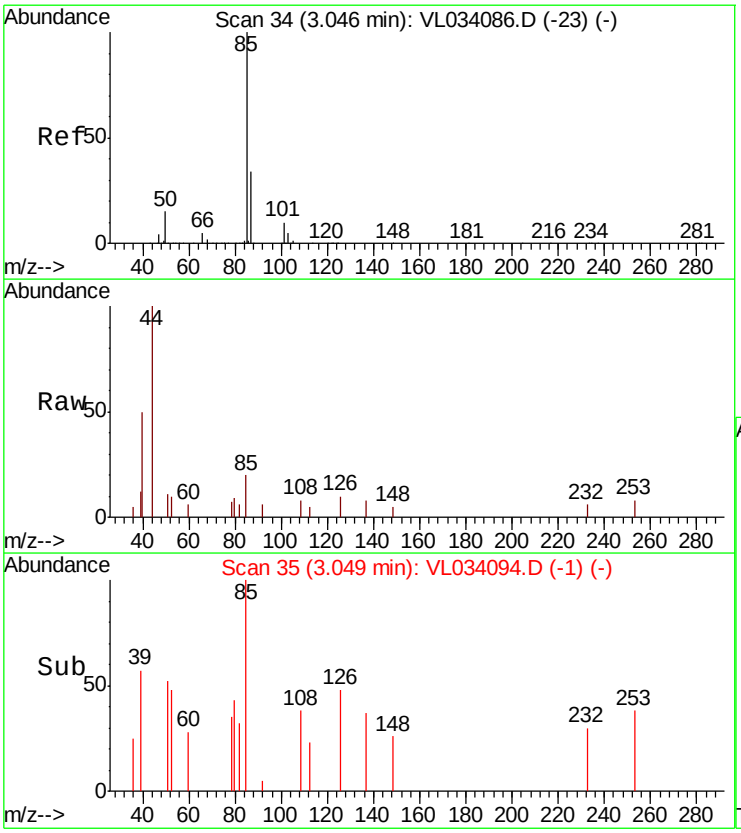
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.71 min Scan# 864
Delta R.T. -0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion: 49 Resp: 1192347

Ion	Ratio	Lower	Upper
49	100		
128	40.1	19.5	58.5
130	51.3	25.4	76.0

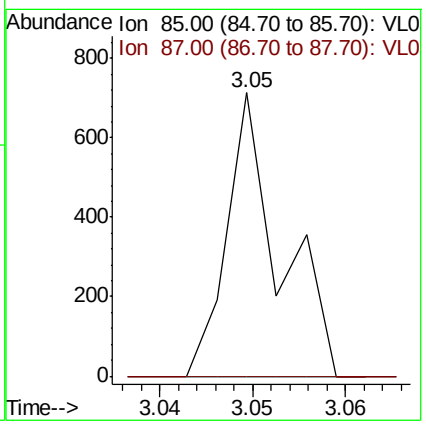


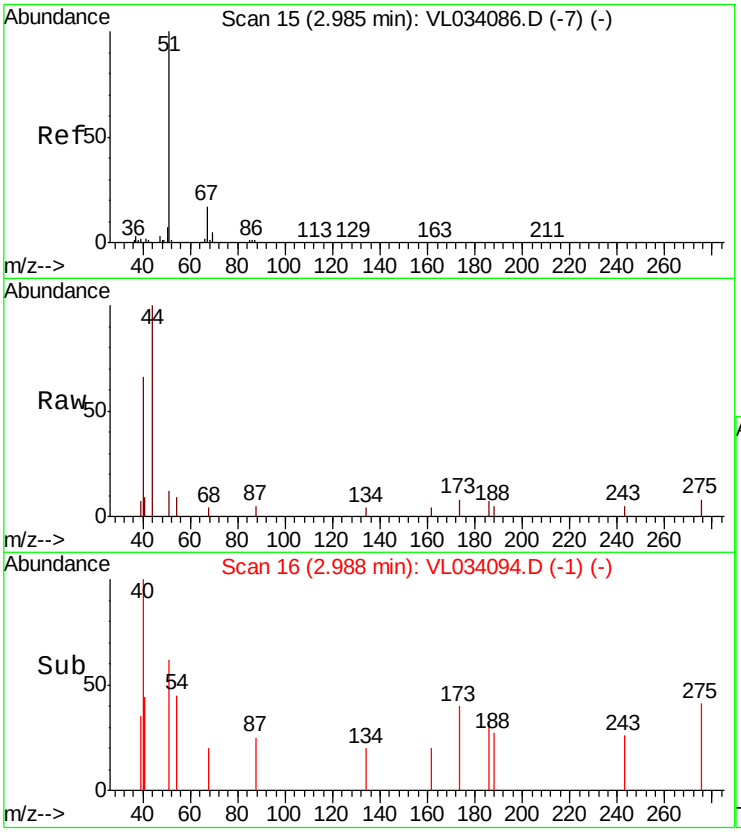


#2
Dichlorodifluoromethane
Concen: 0.002 ppbv
RT: 3.05 min Scan# 35
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 85 Resp: 282

Ion	Ratio	Lower	Upper
85	100		
87	0.0	27.1	40.7#



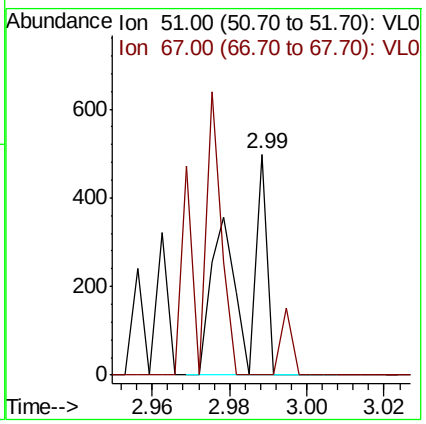


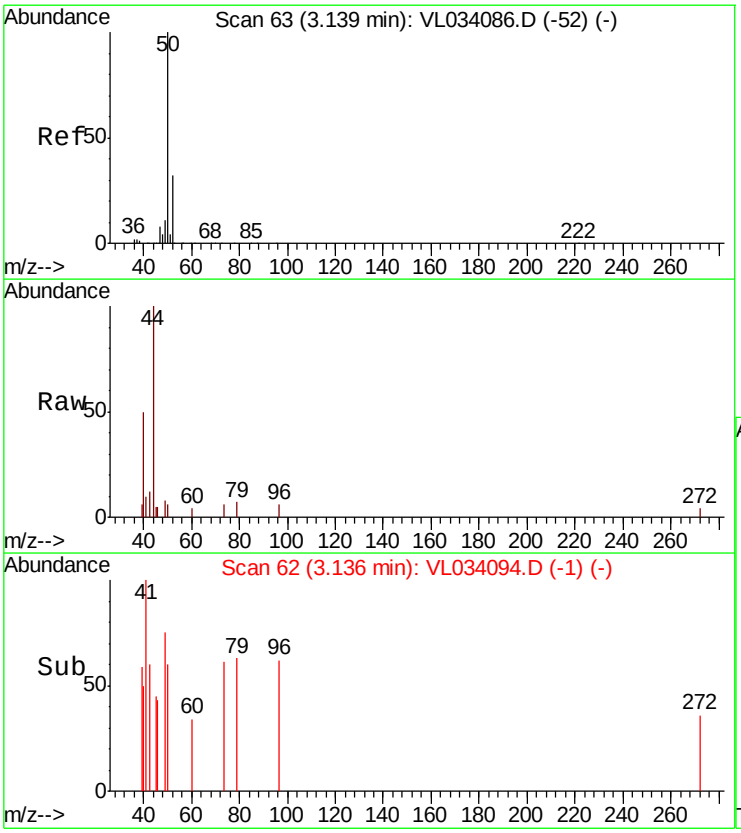
#3
Chlorodifluoromethane
Concen: 0.002 ppbv
RT: 2.99 min Scan# 16
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 51 Resp: 250

Ion	Ratio	Lower	Upper
51	100		
67	116.8	13.3	19.9#

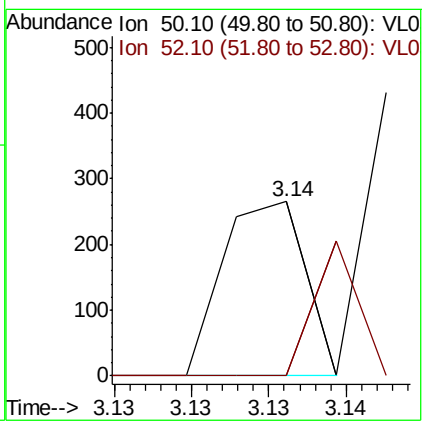


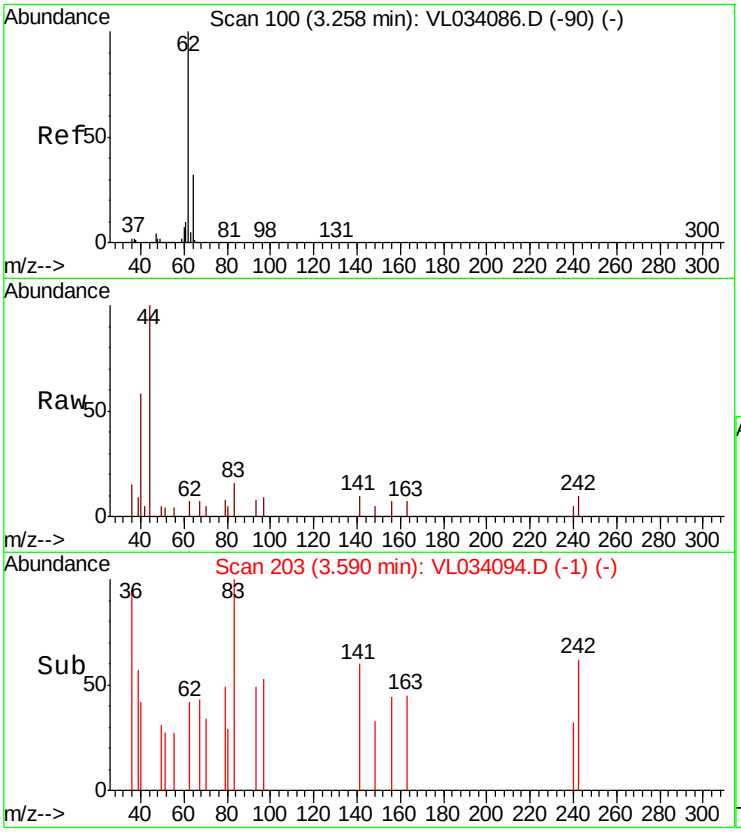


#4
Chloromethane
Concen: 0.001 ppbv
RT: 3.14 min Scan# 62
Delta R.T. -0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 50 Resp: 98

Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.7	38.5#



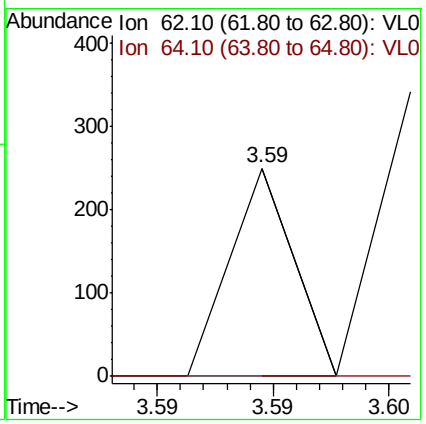


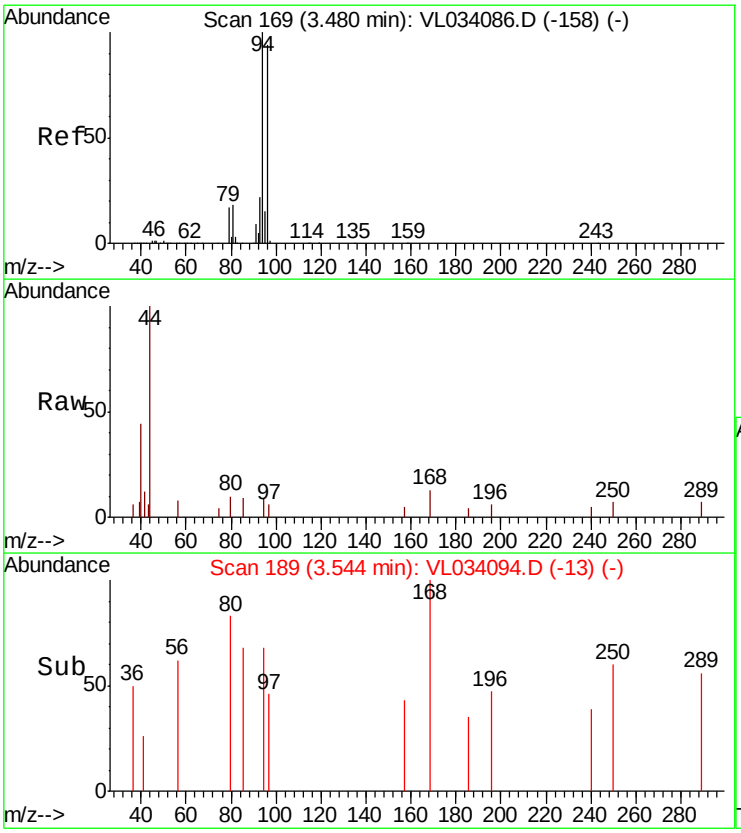
#5
Vinyl Chloride
Concen: 0.001 ppbv
RT: 3.59 min Scan# 203
Delta R.T. 0.33 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 62 Resp: 48

Ion	Ratio	Lower	Upper
62	100		
64	0.0	25.8	38.6#

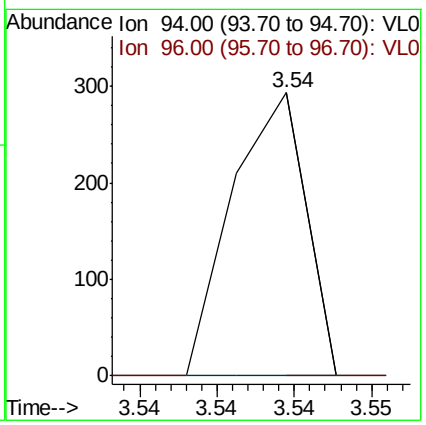


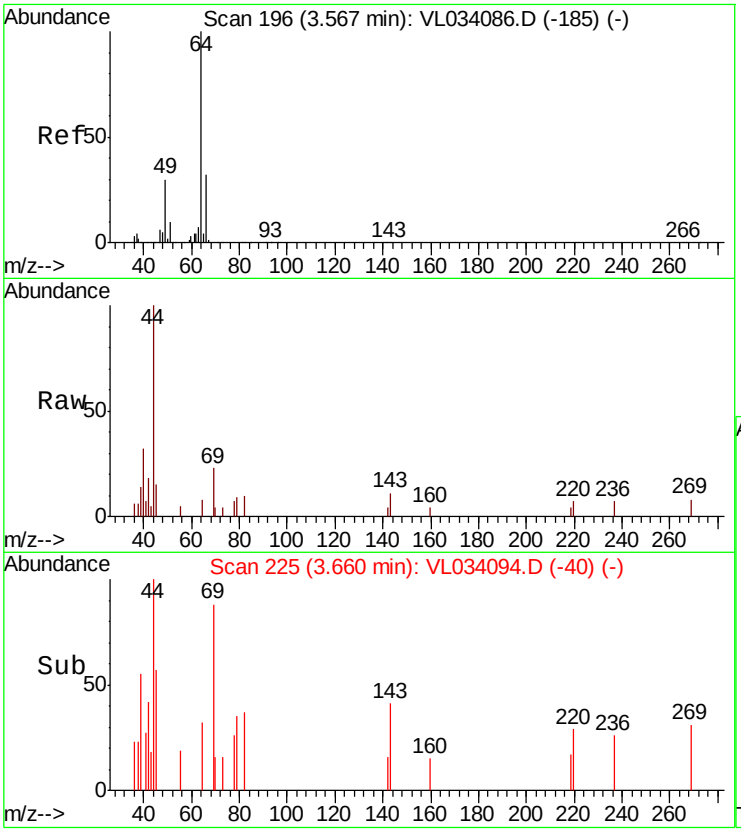


#6
Bromomethane
Concen: 0.002 ppbv
RT: 3.54 min Scan# 189
Delta R.T. 0.06 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 94 Resp: 97

Ion	Ratio	Lower	Upper
94	100		
96	0.0	75.3	112.9#



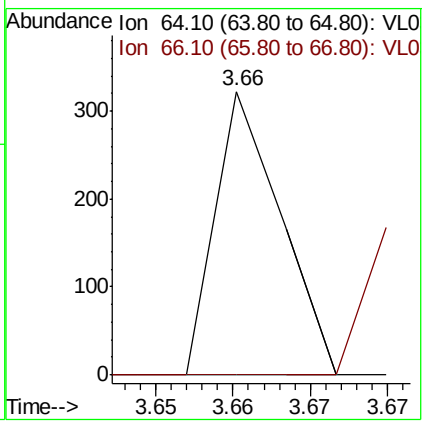


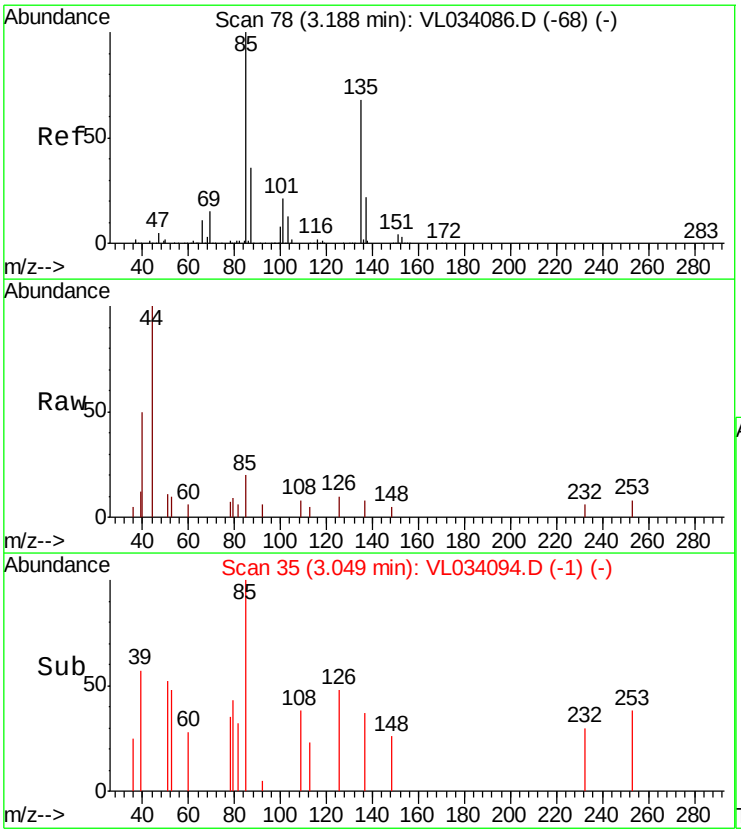
#7
Chloroethane
Concen: 0.003 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.09 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 64 Resp: 94

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.2	37.8#

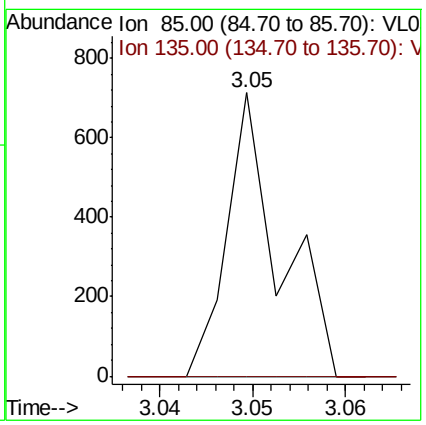


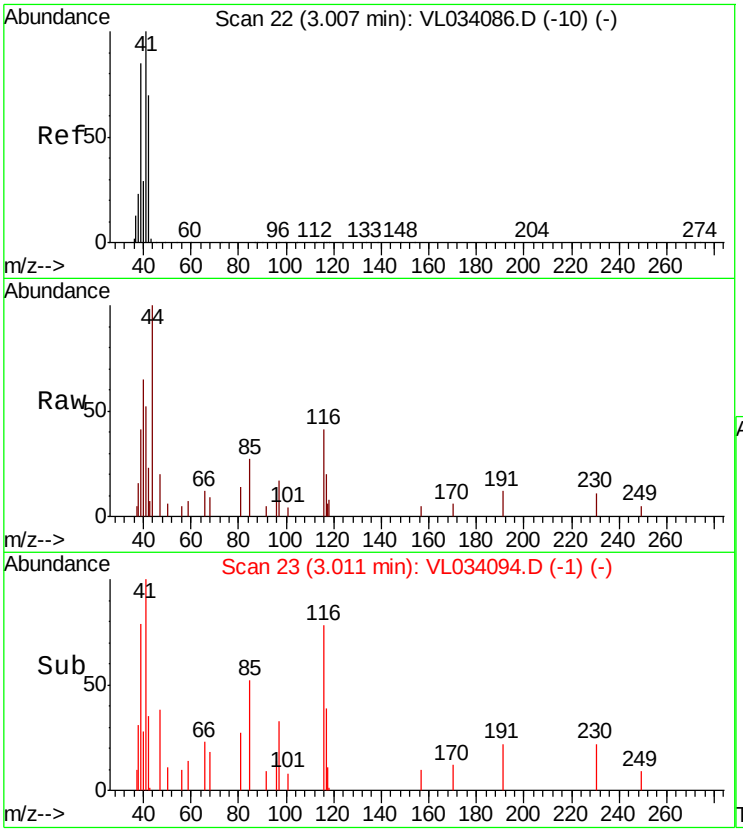


#8
Dichlorotetrafluoroethane
Concen: 0.002 ppbv
RT: 3.05 min Scan# 35
Delta R.T. -0.14 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 85 Resp: 282

Ion	Ratio	Lower	Upper
85	100		
135	0.0	54.0	81.0#



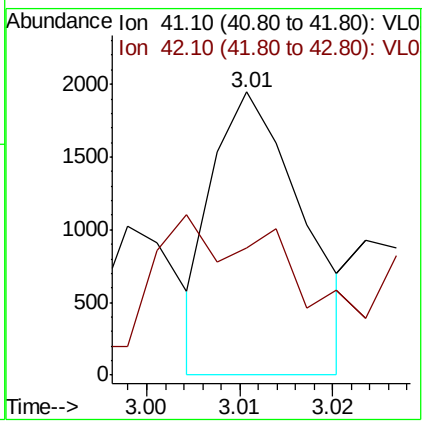


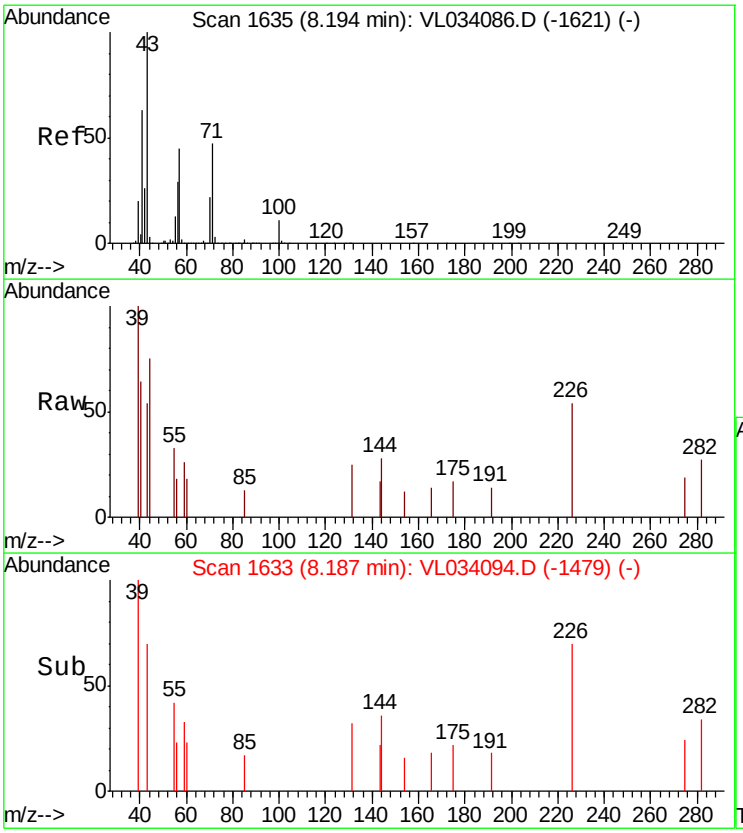
#9
Propene
Concen: 0.016 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 41 Resp: 1315

Ion	Ratio	Lower	Upper
41	100		
42	117.6	55.8	83.6#

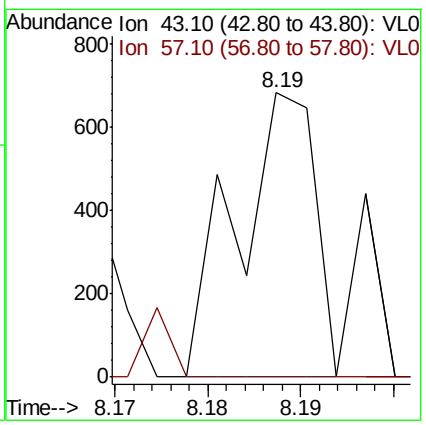


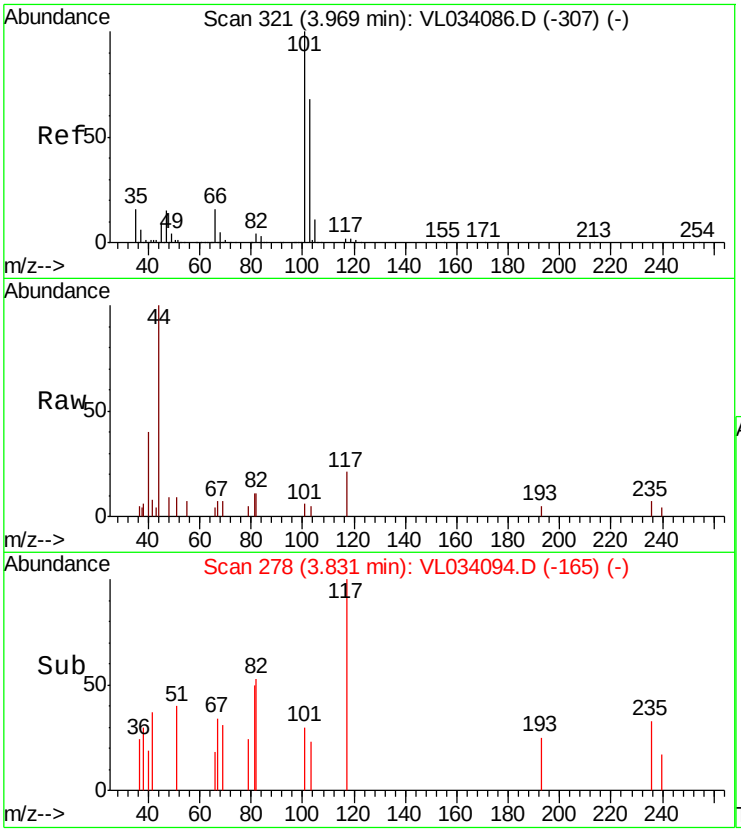


#10
Heptane
Concen: 0.002 ppbv
RT: 8.19 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 43 Resp: 397

Ion	Ratio	Lower	Upper
43	100		
57	0.0	37.2	55.8#



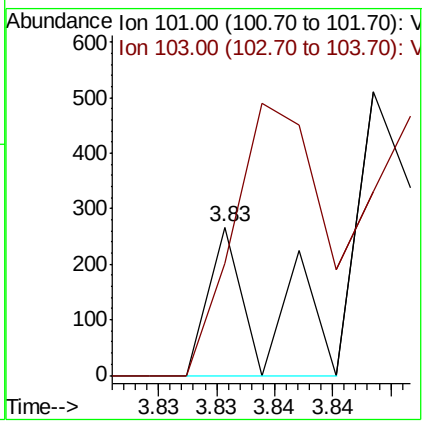


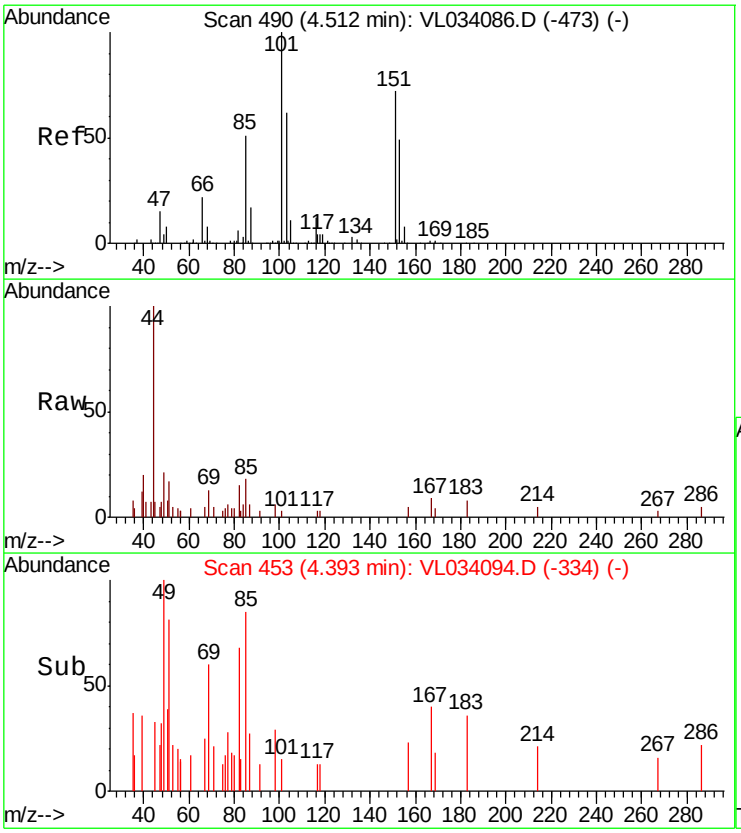
#11
Trichlorofluoromethane
Concen: 0.001 ppbv
RT: 3.83 min Scan# 278
Delta R.T. -0.14 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:101 Resp: 95

Ion	Ratio	Lower	Upper
101	100		
103	75.3	54.3	81.5

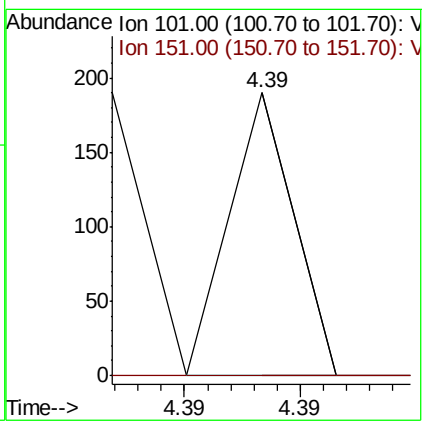


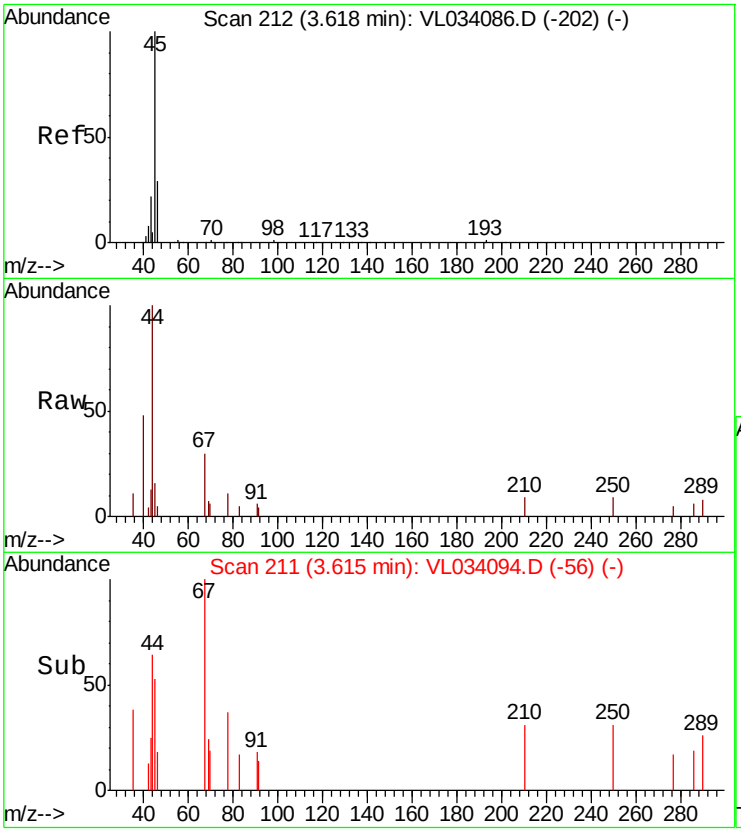


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.000 ppbv
RT: 4.39 min Scan# 453
Delta R.T. -0.12 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:101 Resp: 37

Ion	Ratio	Lower	Upper
101	100		
151	0.0	59.4	89.0#



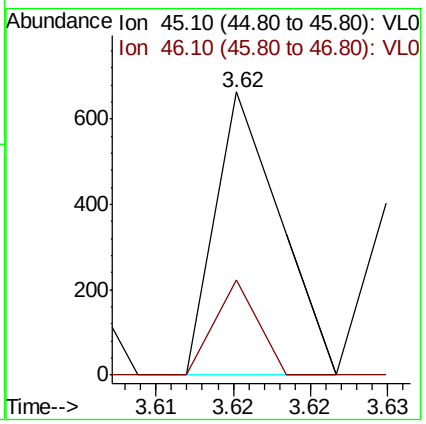


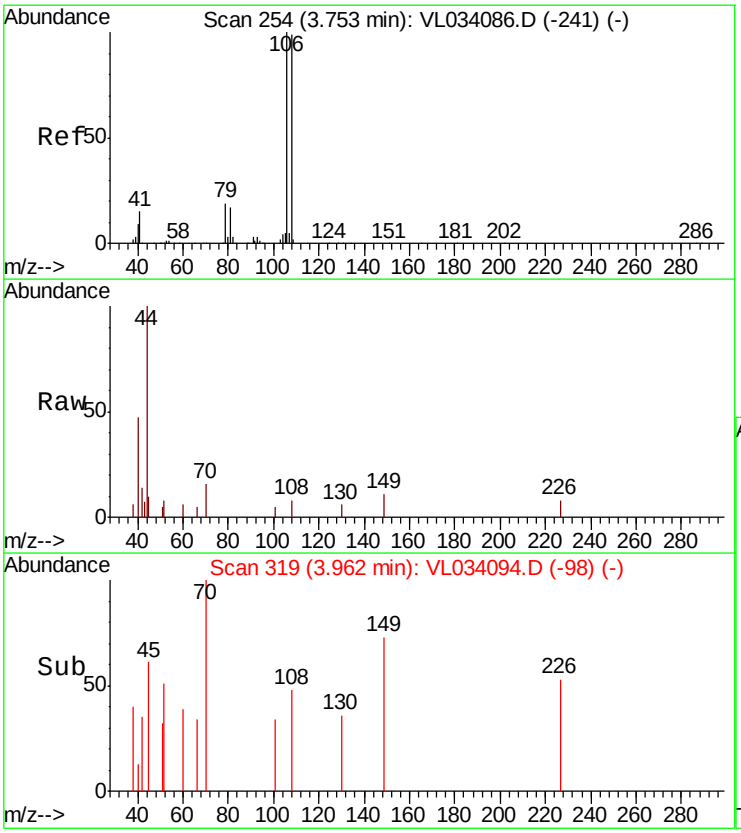
#13
Ethanol
Concen: 0.008 ppbv
RT: 3.62 min Scan# 211
Delta R.T. -0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 45 Resp: 192

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.9	59.5#

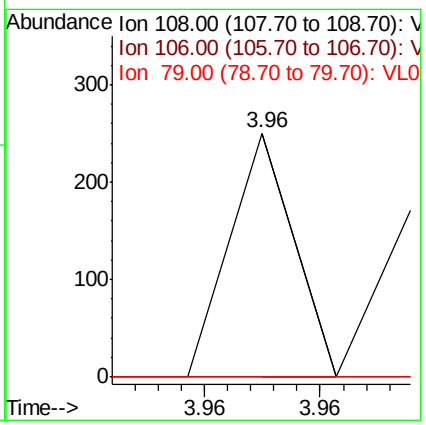


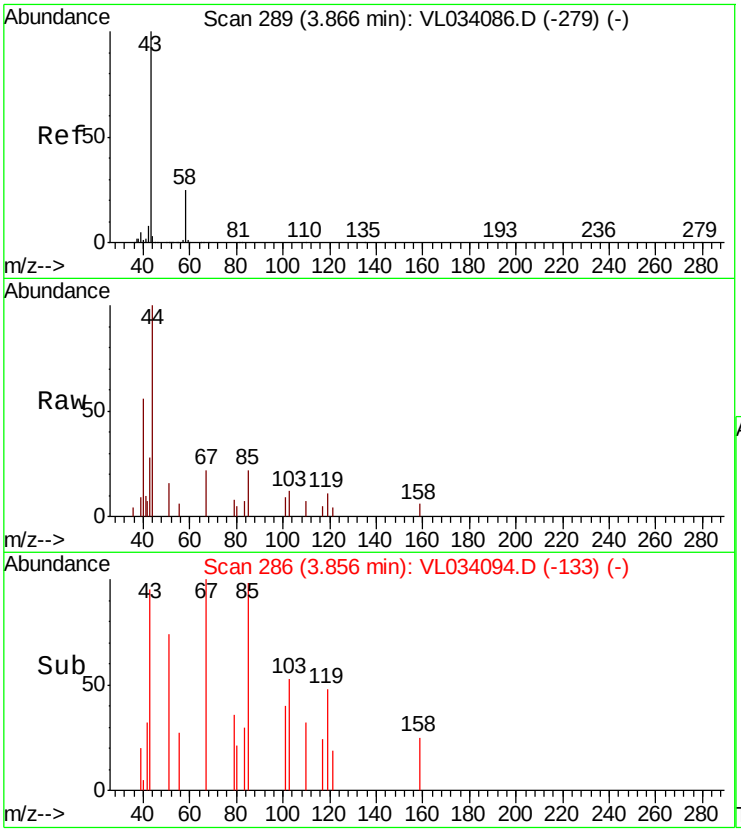


#14
Bromoethene
Concen: 0.001 ppbv
RT: 3.96 min Scan# 319
Delta R.T. 0.21 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:108 Resp: 48

Ion	Ratio	Lower	Upper
108	100		
106	0.0	85.0	127.6#
79	439.6	15.8	23.8#



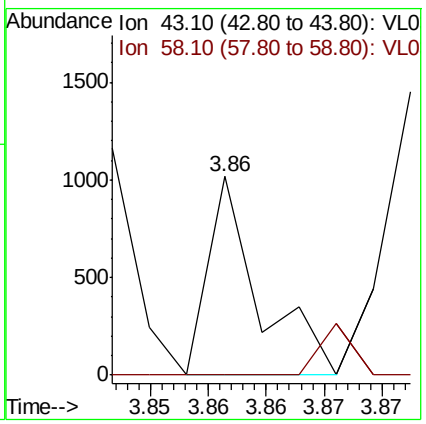


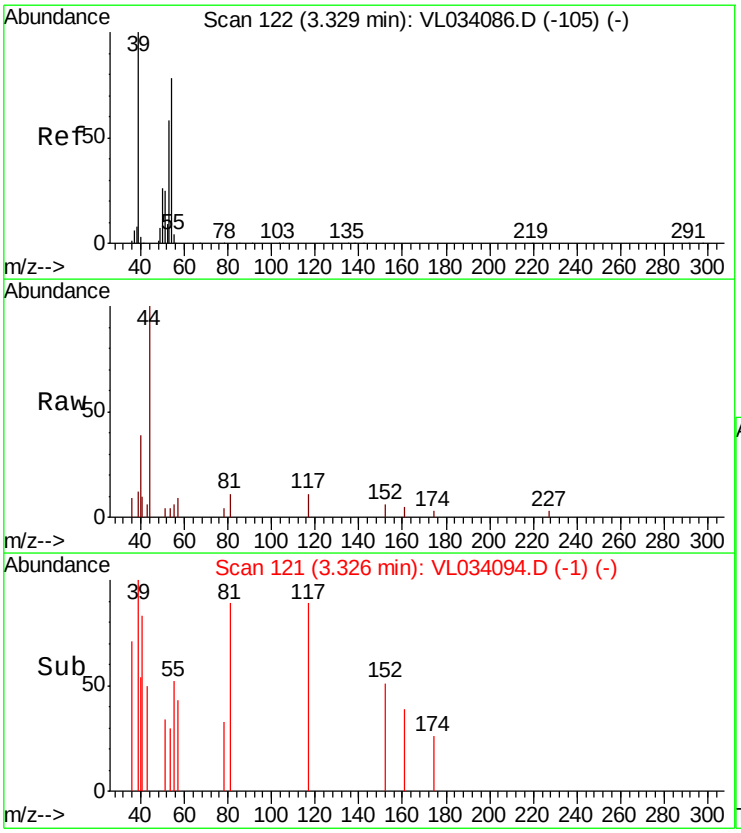
#15
Acetone
Concen: 0.002 ppbv
RT: 3.86 min Scan# 286
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 43 Resp: 306

Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.6	30.8#

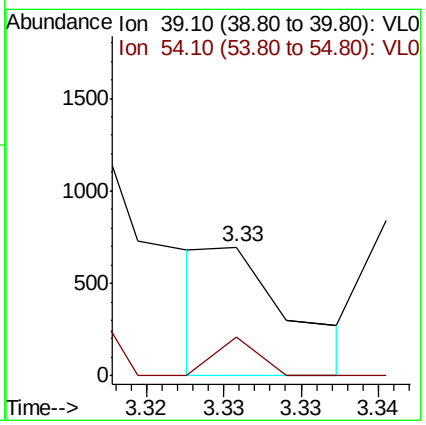


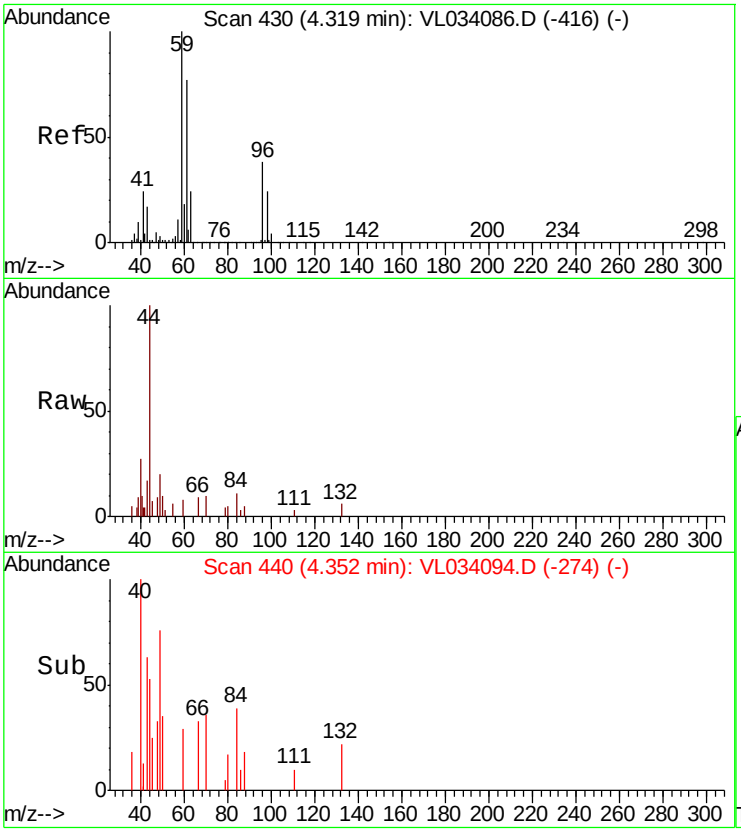


#16
1,3-Butadiene
Concen: 0.003 ppbv
RT: 3.33 min Scan# 121
Delta R.T. -0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 39 Resp: 245

Ion	Ratio	Lower	Upper
39	100		
54	0.0	62.7	94.1#



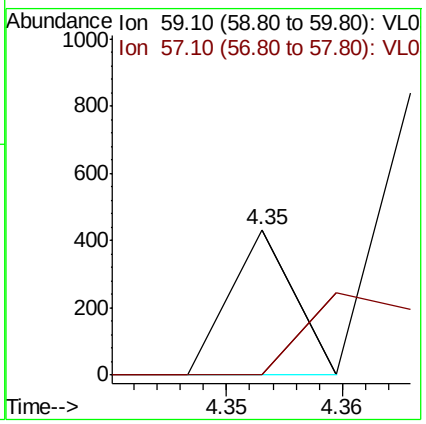


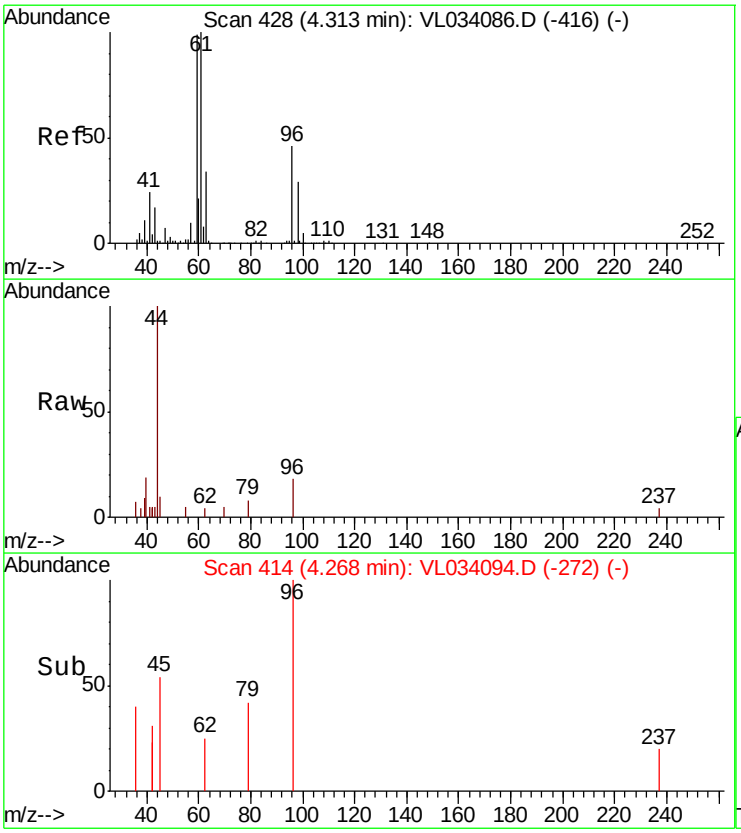
#17
tert-Butyl alcohol
Concen: 0.001 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.03 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion: 59 Resp: 84

Ion	Ratio	Lower	Upper
59	100		
57	115.5	8.4	12.6#

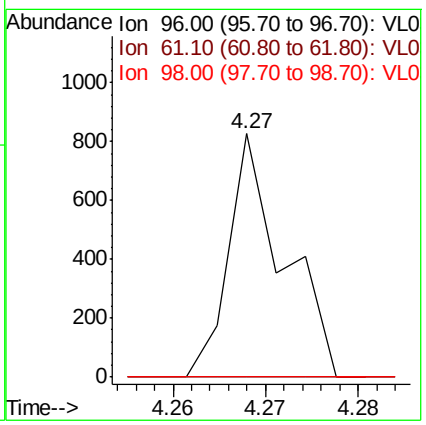


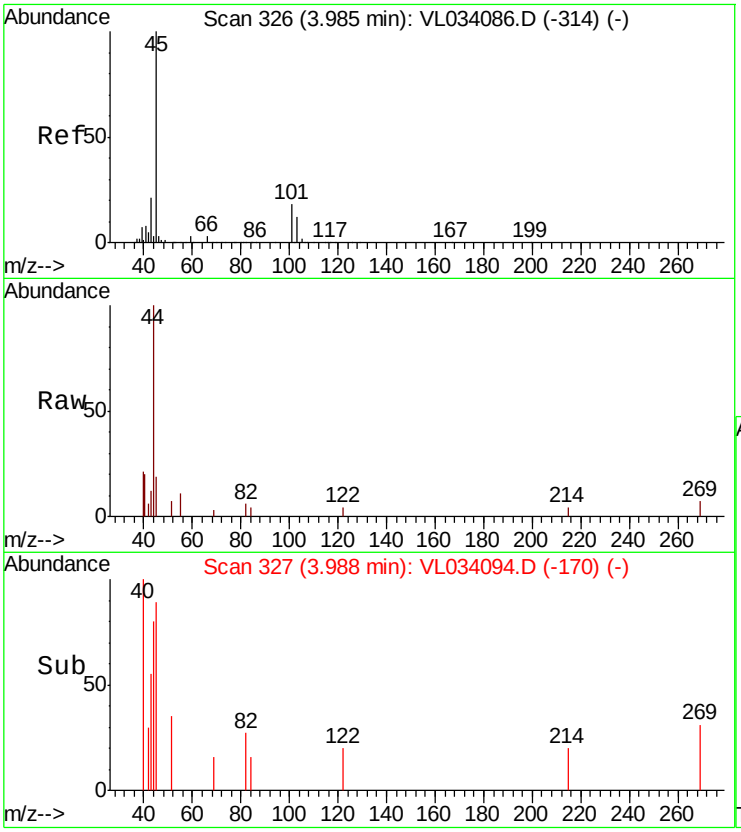


#18
1,1-Dichloroethene
Concen: 0.006 ppbv
RT: 4.27 min Scan# 414
Delta R.T. -0.04 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 96 Resp: 341

Ion	Ratio	Lower	Upper
96	100		
61	0.0	173.1	259.7#
98	0.0	50.3	75.5#



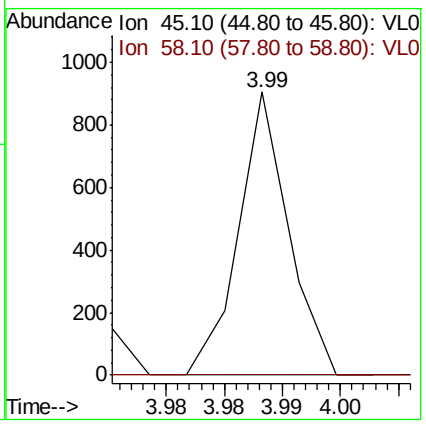


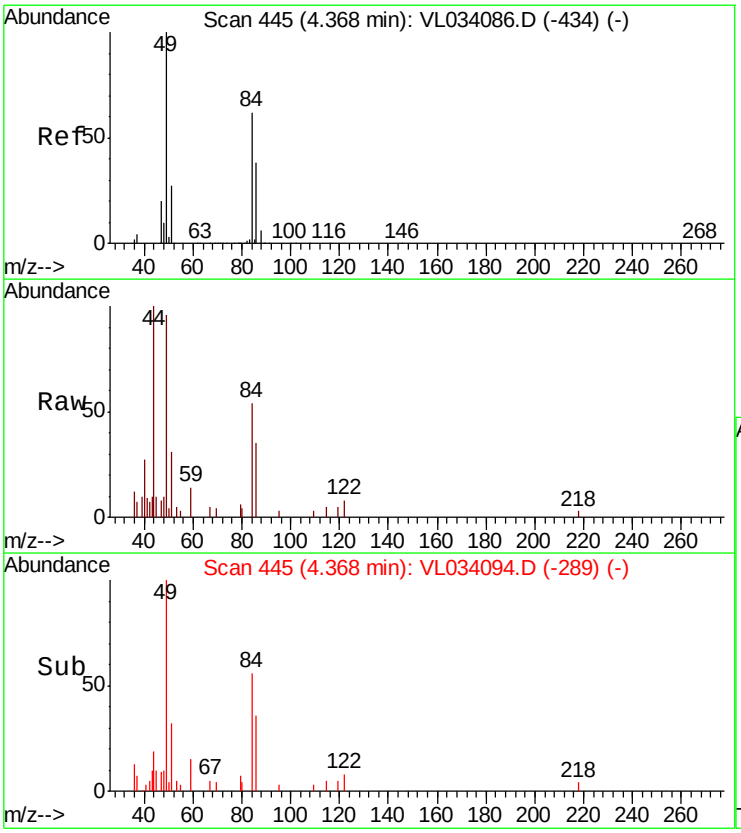
#19
Isopropyl Alcohol
Concen: 0.002 ppbv
RT: 3.99 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 45 Resp: 272

Ion	Ratio	Lower	Upper
45	100		
58	0.0	24.6	37.0#

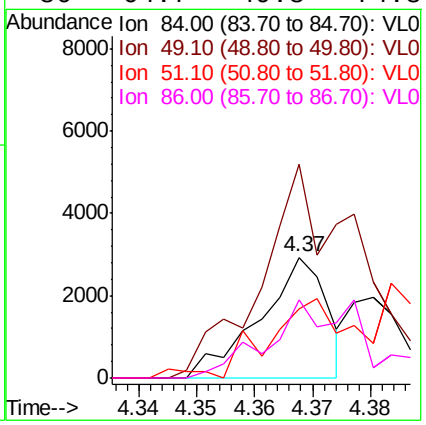


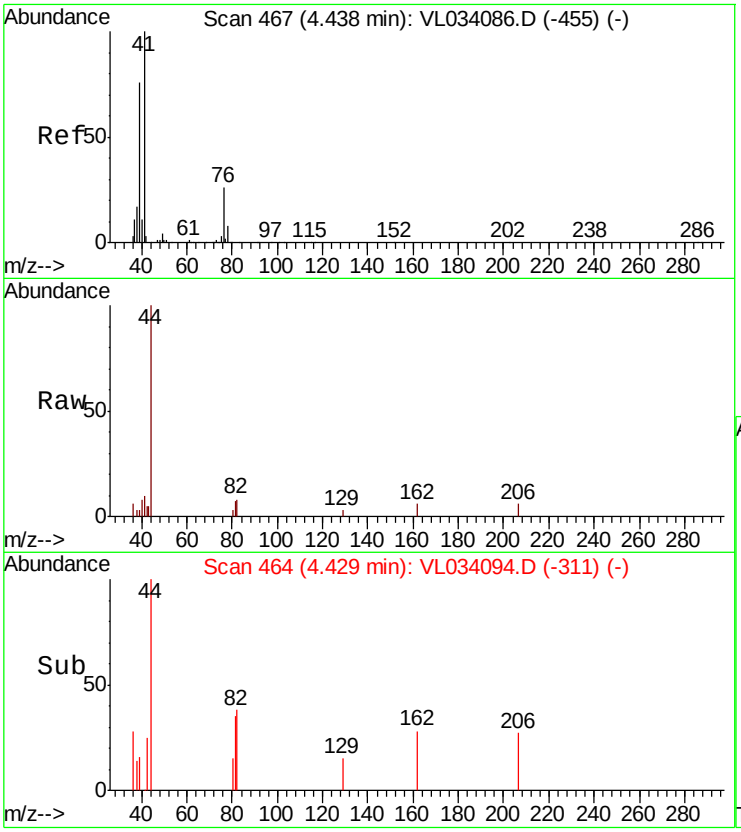


#20
Methylene Chloride
Concen: 0.046 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 84 Resp: 2351

Ion	Ratio	Lower	Upper
84	100		
49	171.5	129.7	194.5
51	52.0	35.8	53.8
86	64.7	49.8	74.8



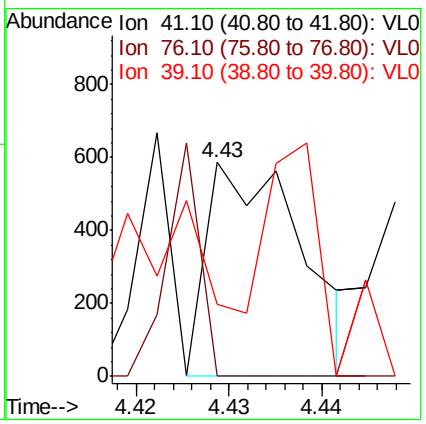


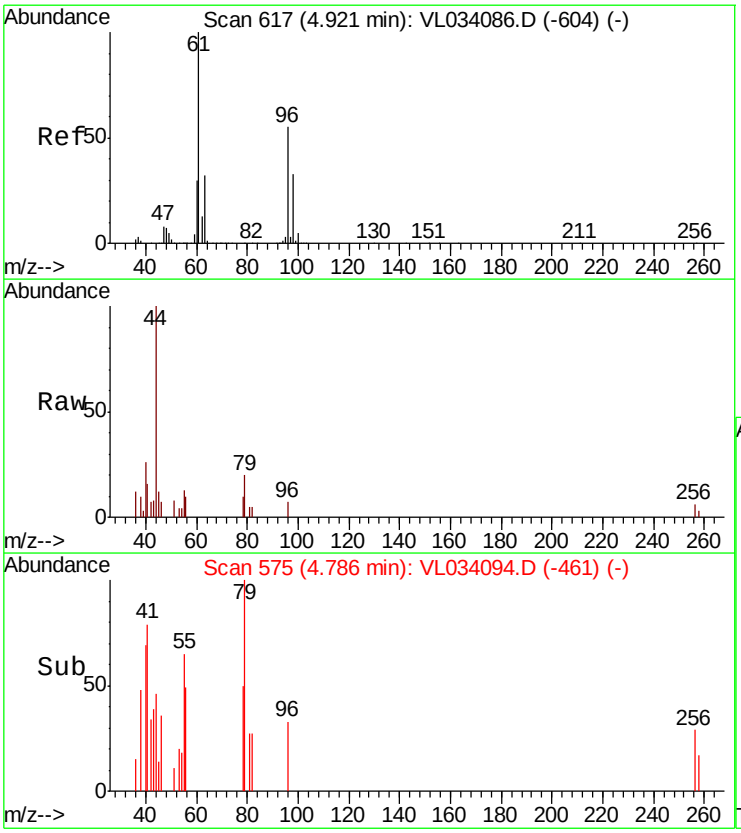
#21
Allyl Chloride
Concen: 0.004 ppbv
RT: 4.43 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 41 Resp: 416

Ion	Ratio	Lower	Upper
41	100		
76	0.0	20.8	31.2#
39	158.4	61.3	91.9#

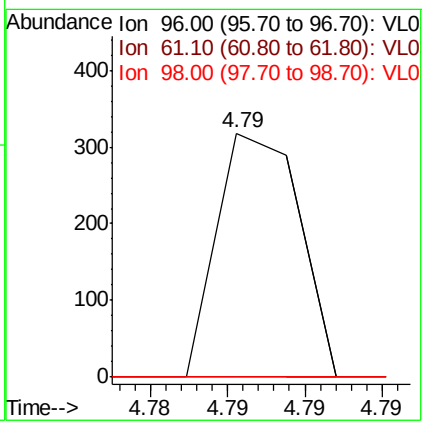


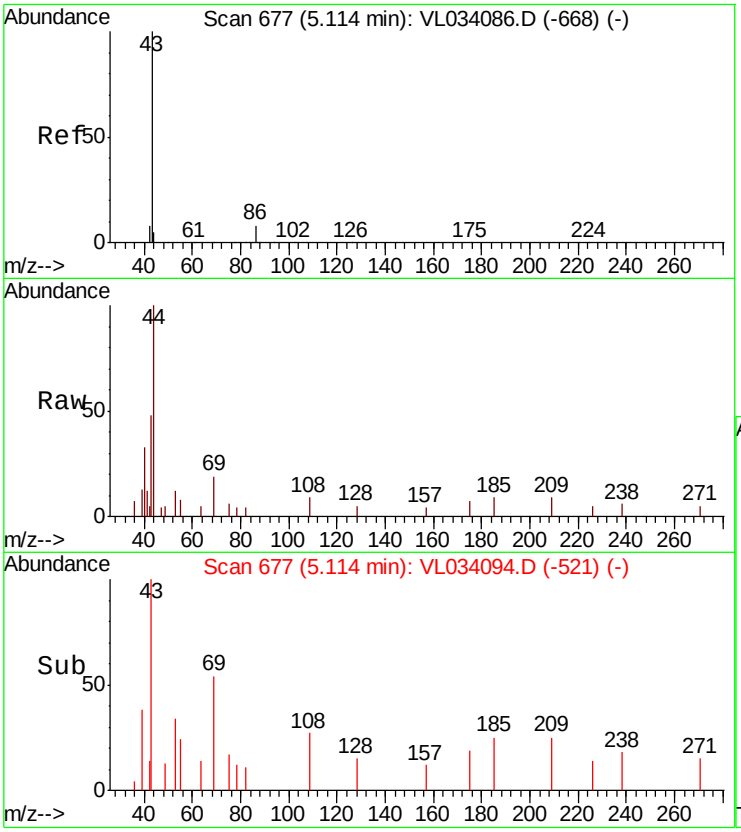


#22
trans-1,2-Dichloroethene
Concen: 0.002 ppbv
RT: 4.79 min Scan# 575
Delta R.T. -0.14 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 96 Resp: 117

Ion	Ratio	Lower	Upper
96	100		
61	0.0	144.2	216.2#
98	0.0	48.0	72.0#



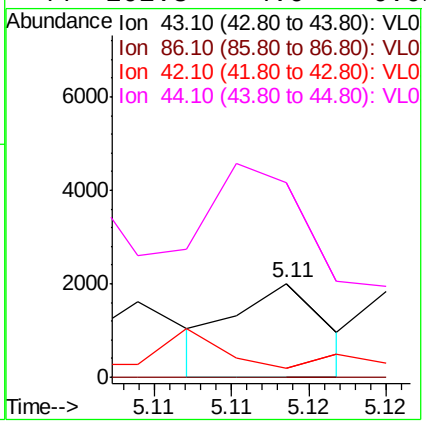


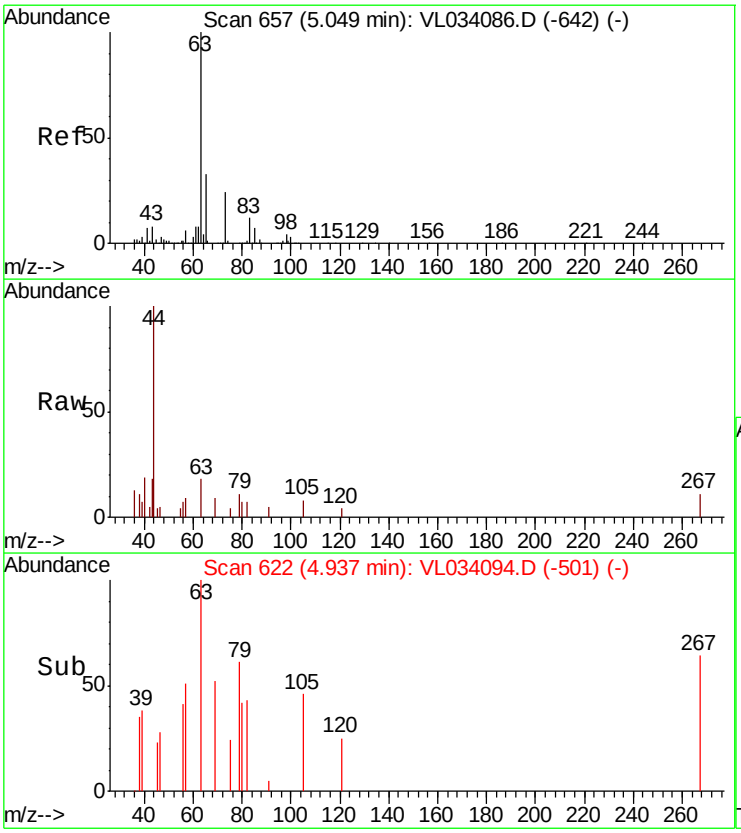
#23
Vinyl Acetate
Concen: 0.003 ppbv
RT: 5.11 min Scan# 677
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 43 Resp: 827

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.4	8.0#
42	0.0	7.9	11.9#
44	202.3	4.0	6.0#

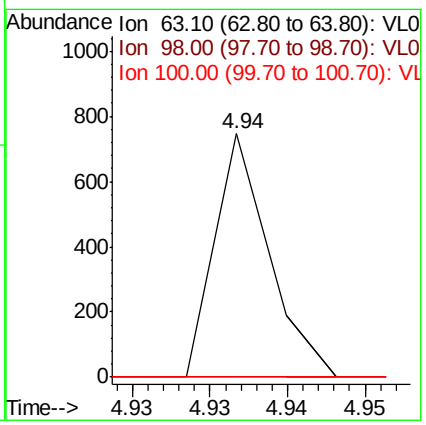


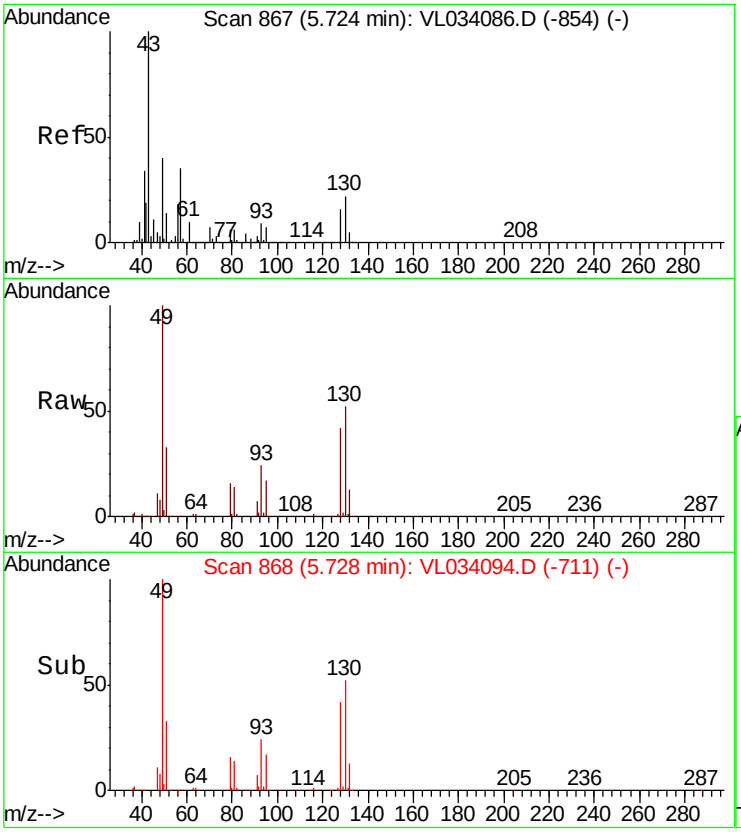


#24
1,1-Dichloroethane
Concen: 0.001 ppbv
RT: 4.94 min Scan# 622
Delta R.T. -0.11 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 63 Resp: 181

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



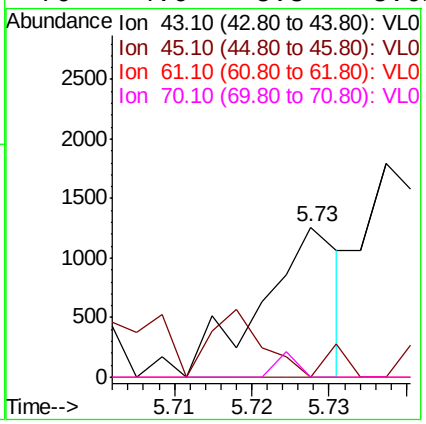


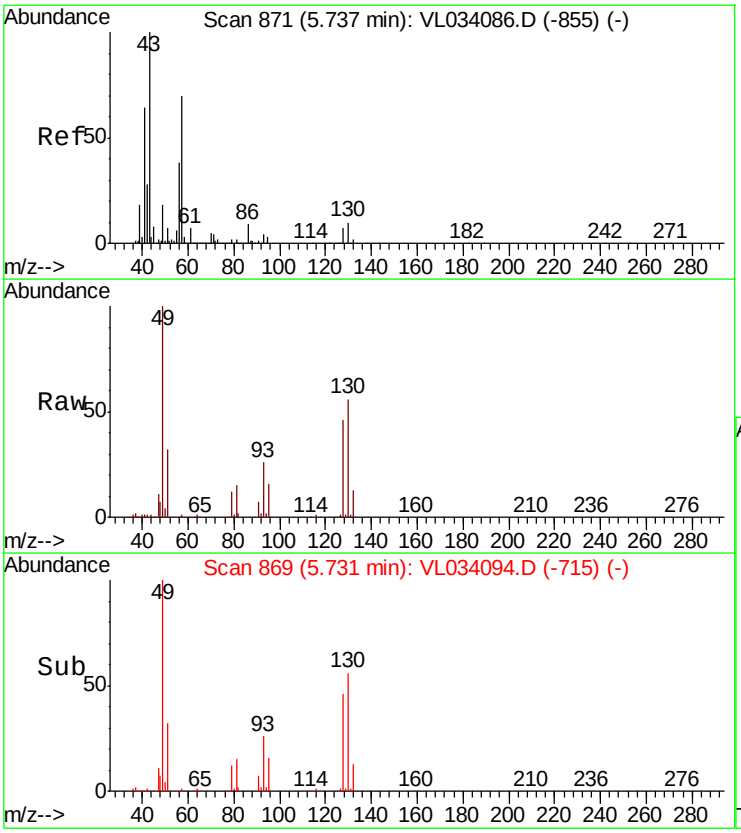
#25
Ethyl Acetate
Concen: 0.003 ppbv
RT: 5.73 min Scan# 868
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 43 Resp: 884

Ion	Ratio	Lower	Upper
43	100		
45	103.1	8.4	12.6#
61	0.0	7.3	10.9#
70	4.6	5.8	8.6#

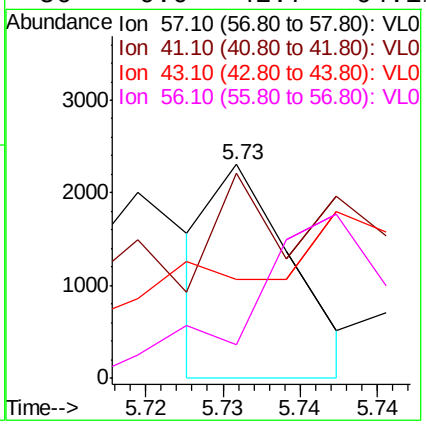


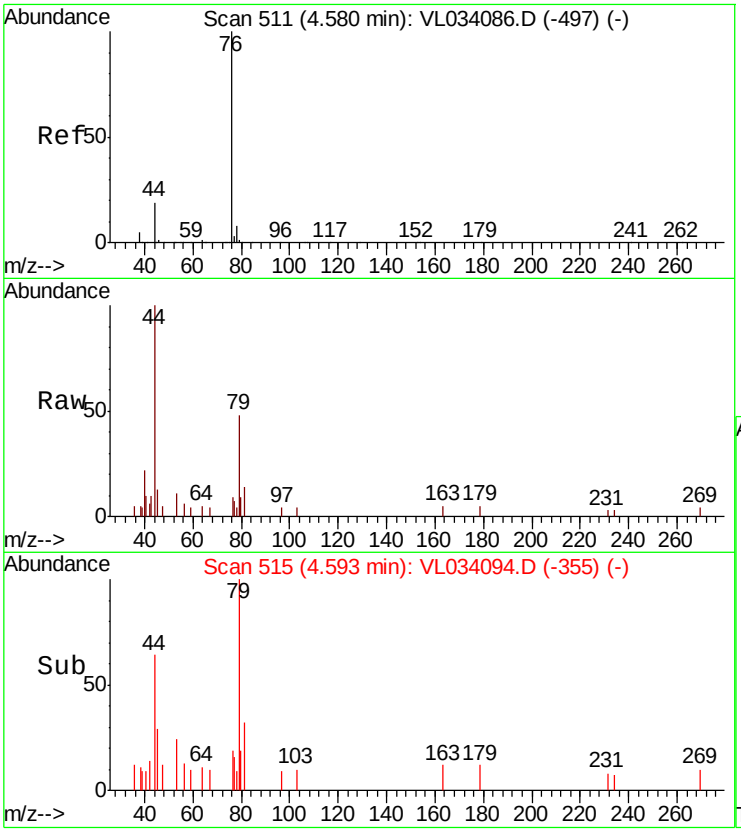


#26
Hexane
Concen: 0.006 ppbv
RT: 5.73 min Scan# 869
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 57 Resp: 810

Ion	Ratio	Lower	Upper
57	100		
41	441.7	75.7	113.5#
43	0.0	189.8	284.8#
56	0.0	42.7	64.1#



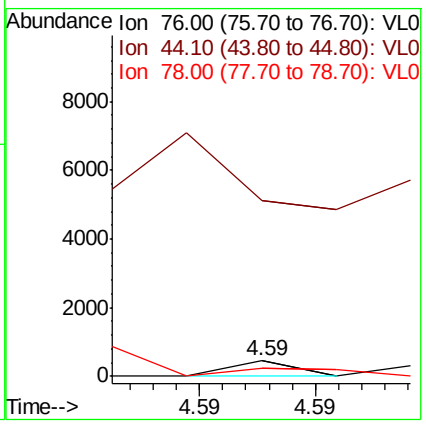


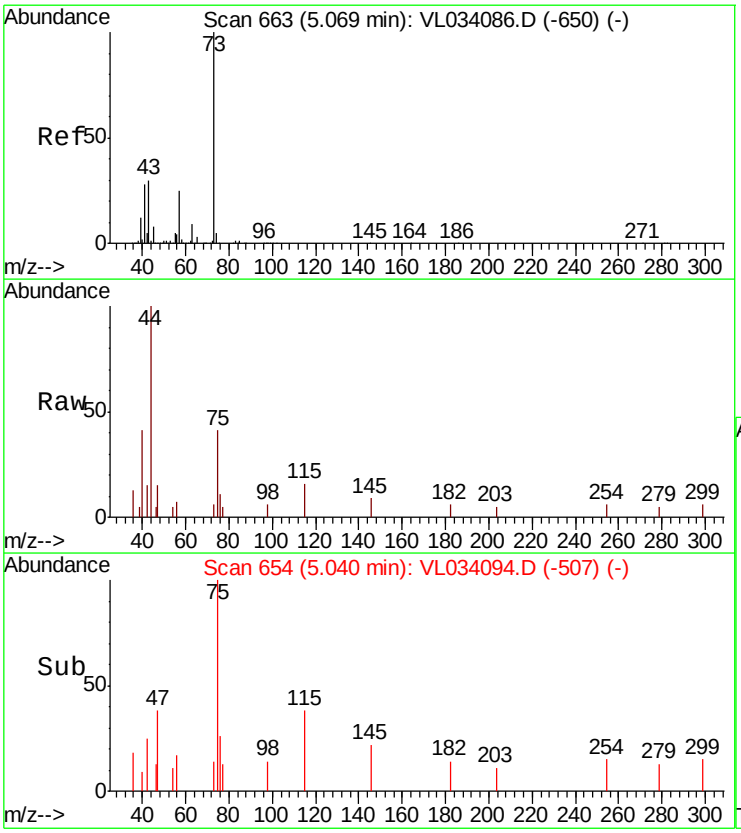
#27
Carbon Disulfide
Concen: 0.001 ppbv
RT: 4.59 min Scan# 515
Delta R.T. 0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion: 76 Resp: 85

Ion	Ratio	Lower	Upper
76	100		
44	4662.4	17.8	26.6#
78	0.0	7.7	11.5#

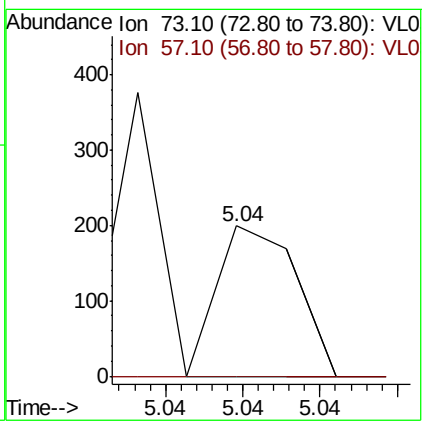


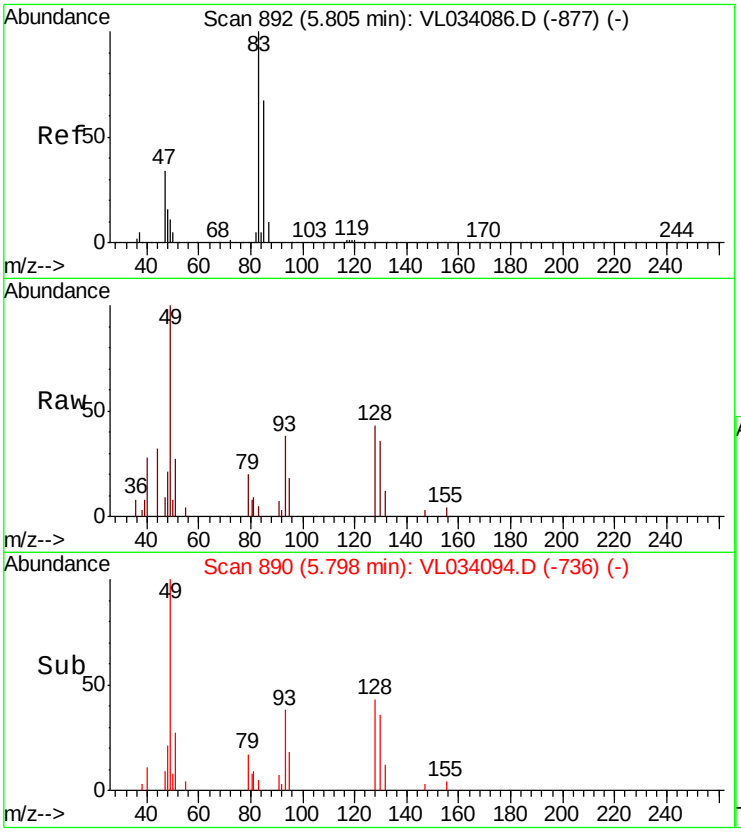


#28
Methyl tert-Butyl Ether
Concen: 0.000 ppbv
RT: 5.04 min Scan# 654
Delta R.T. -0.03 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 73 Resp: 71

Ion	Ratio	Lower	Upper
73	100		
57	136.6	19.5	29.3#



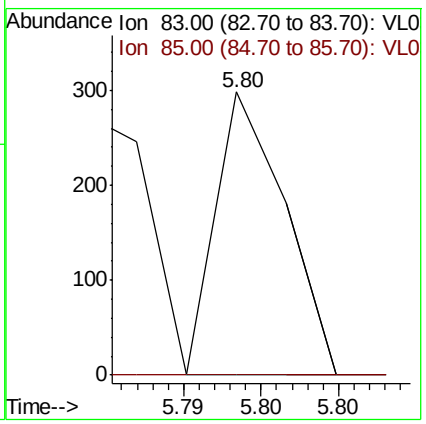


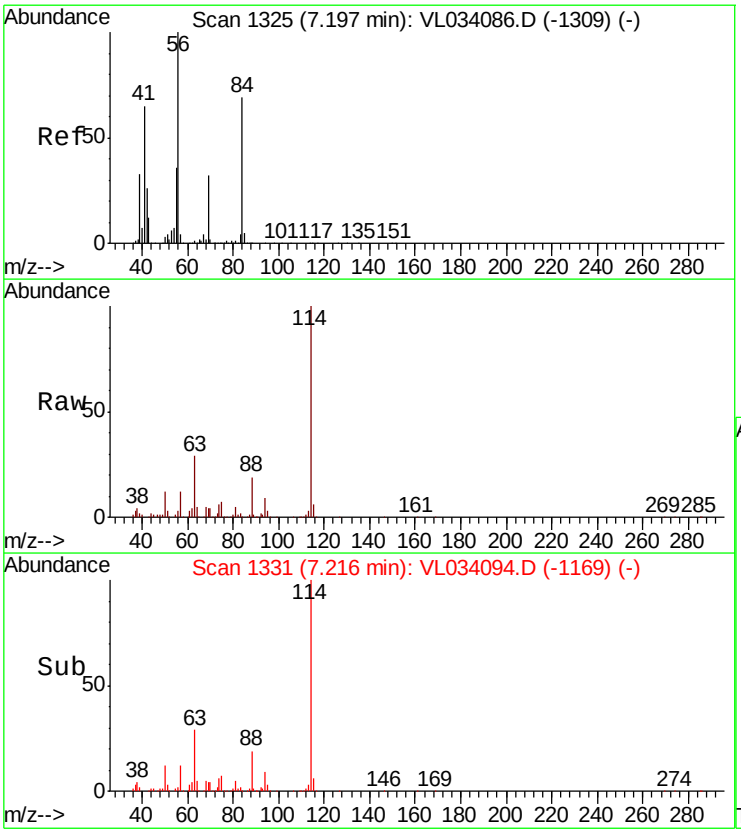
#29
Chloroform
Concen: 0.000 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 83 Resp: 92

Ion	Ratio	Lower	Upper
83	100		
85	0.0	53.2	79.8#

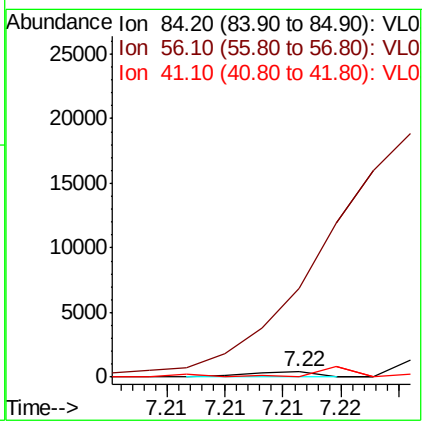


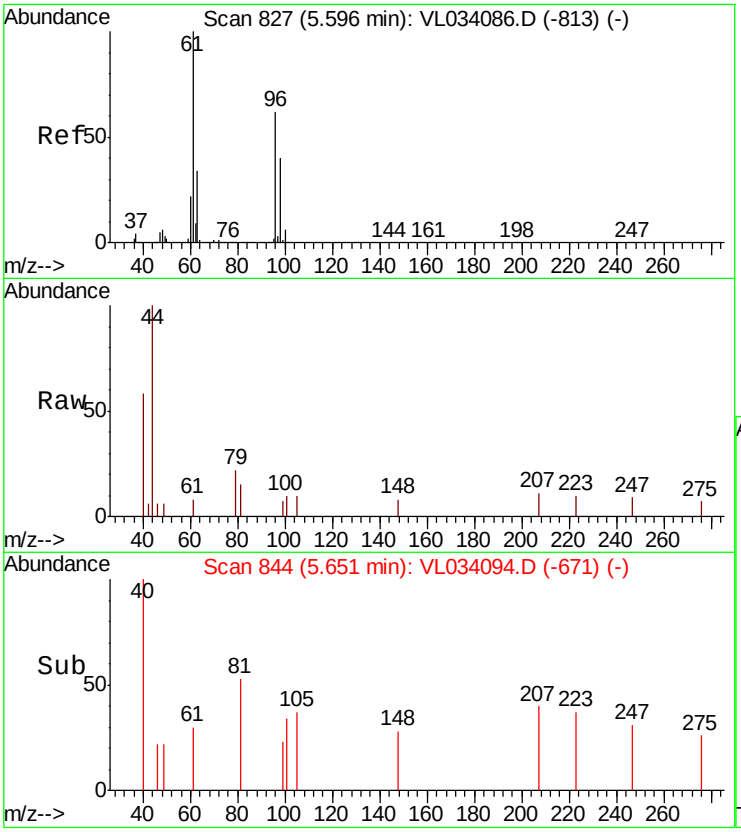


#30
Cyclohexane
Concen: 0.002 ppbv
RT: 7.22 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 84 Resp: 181

Ion	Ratio	Lower	Upper
84	100		
56	0.0	122.6	184.0#
41	214.9	80.1	120.1#



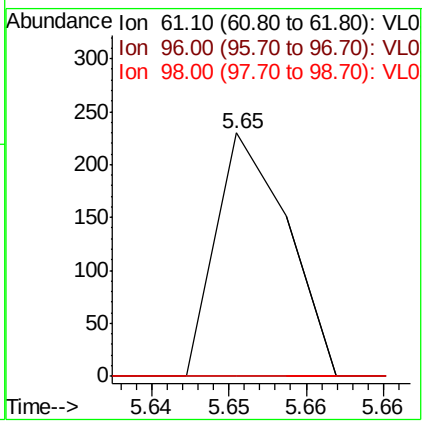


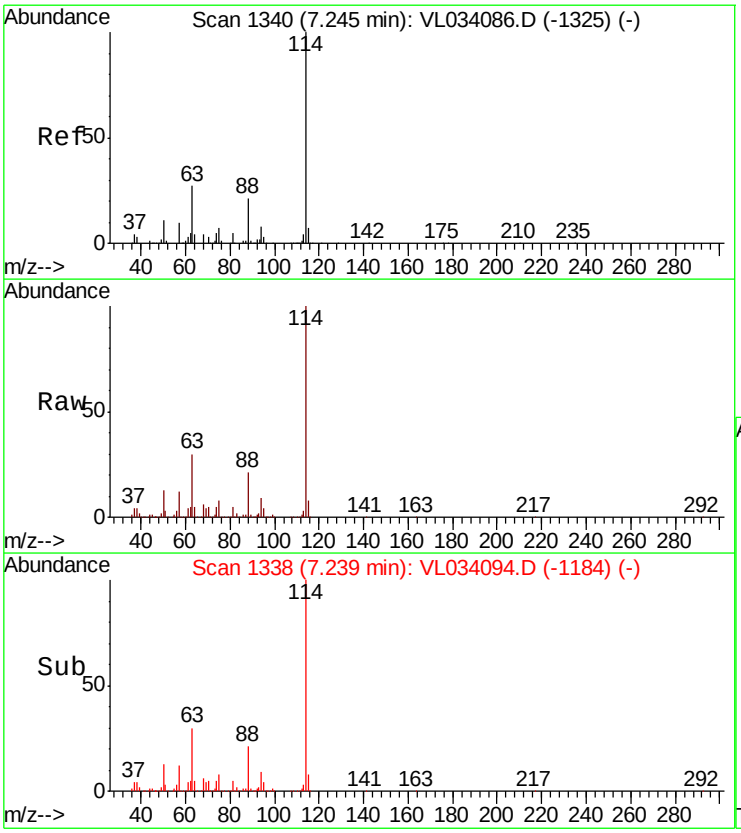
#31
cis-1,2-Dichloroethene
Concen: 0.001 ppbv
RT: 5.65 min Scan# 844
Delta R.T. 0.05 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion: 61 Resp: 74

Ion	Ratio	Lower	Upper
61	100		
96	0.0	49.3	73.9#
98	0.0	32.4	48.6#

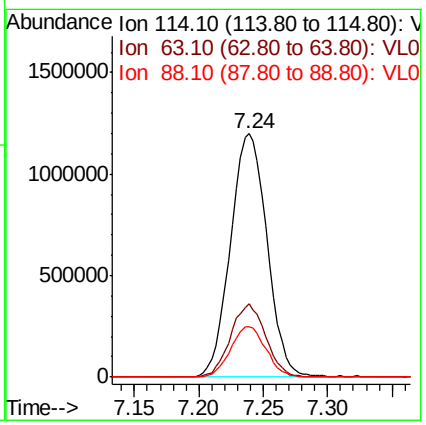


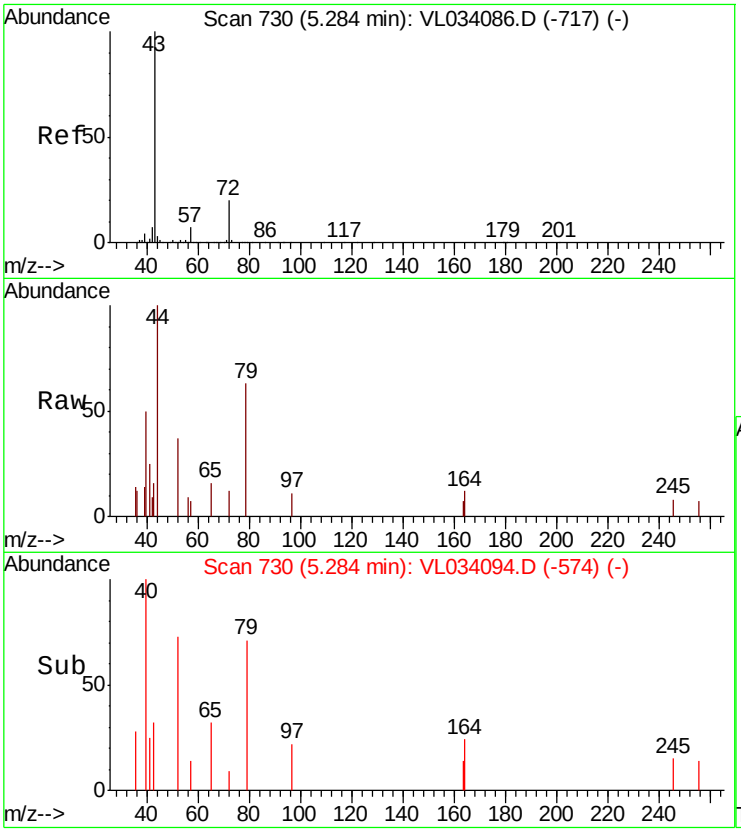


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:114 Resp: 2362334

Ion	Ratio	Lower	Upper
114	100		
63	28.9	22.5	33.7
88	20.2	15.7	23.5



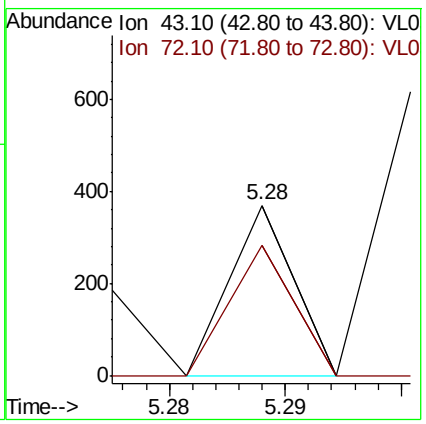


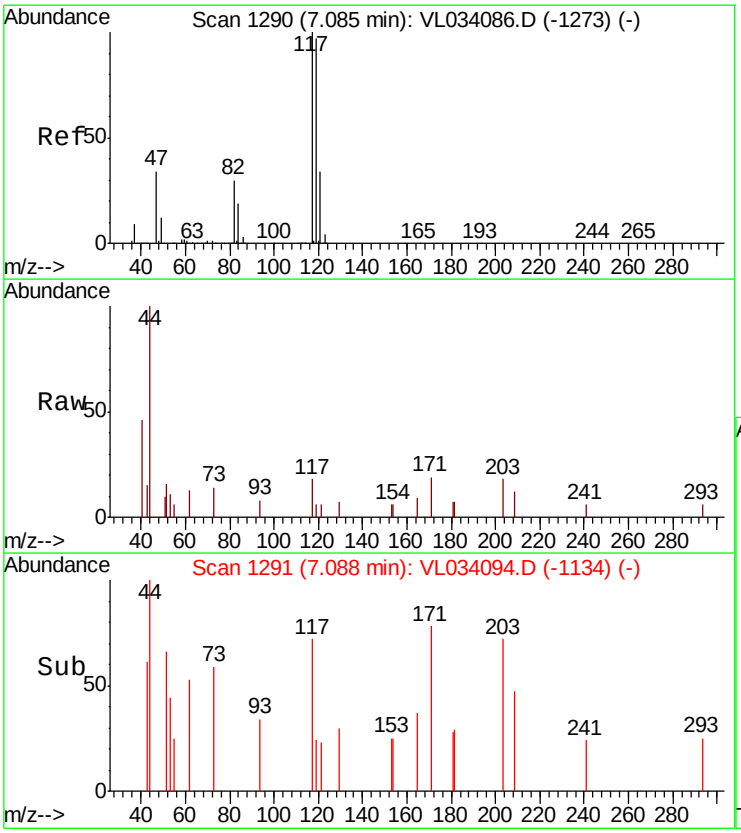
#34
2-Butanone
Concen: 0.000 ppbv
RT: 5.28 min Scan# 730
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 43 Resp: 71

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.0	24.0#

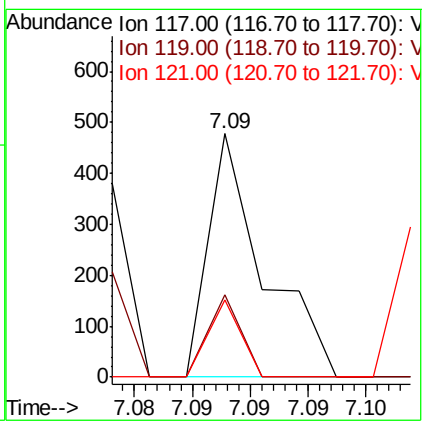


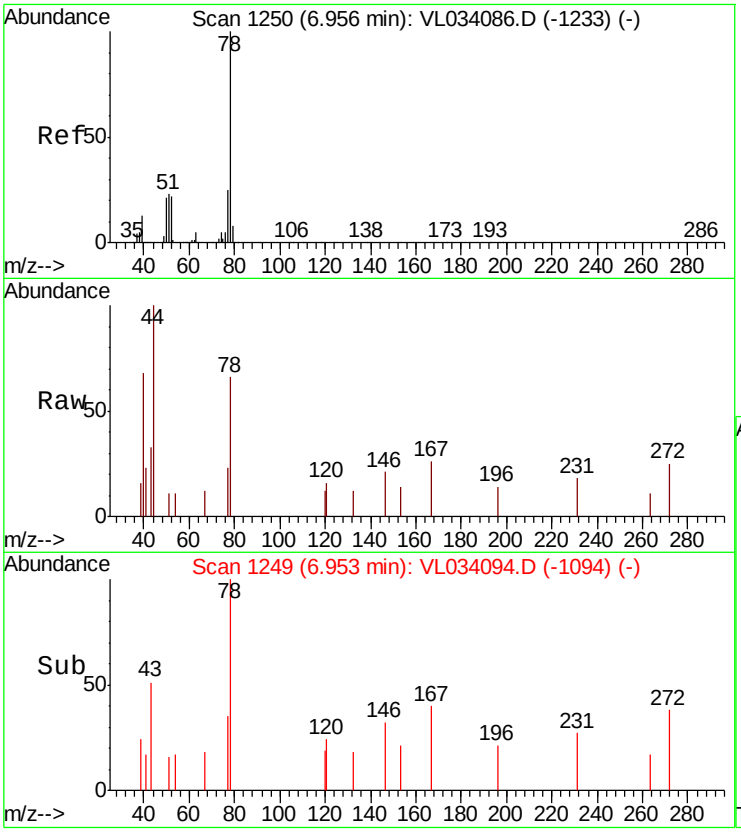


#35
Carbon Tetrachloride
Concen: 0.001 ppbv
RT: 7.09 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:117 Resp: 158

Ion	Ratio	Lower	Upper
117	100		
119	34.1	77.8	116.6#
121	31.6	27.4	41.2



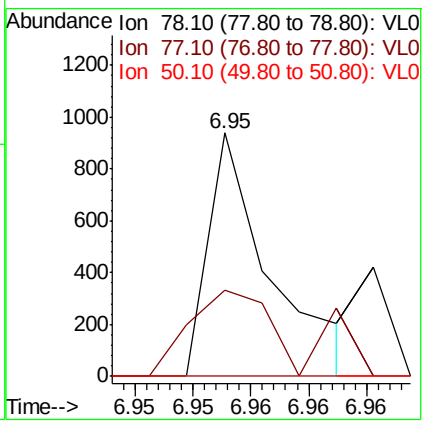


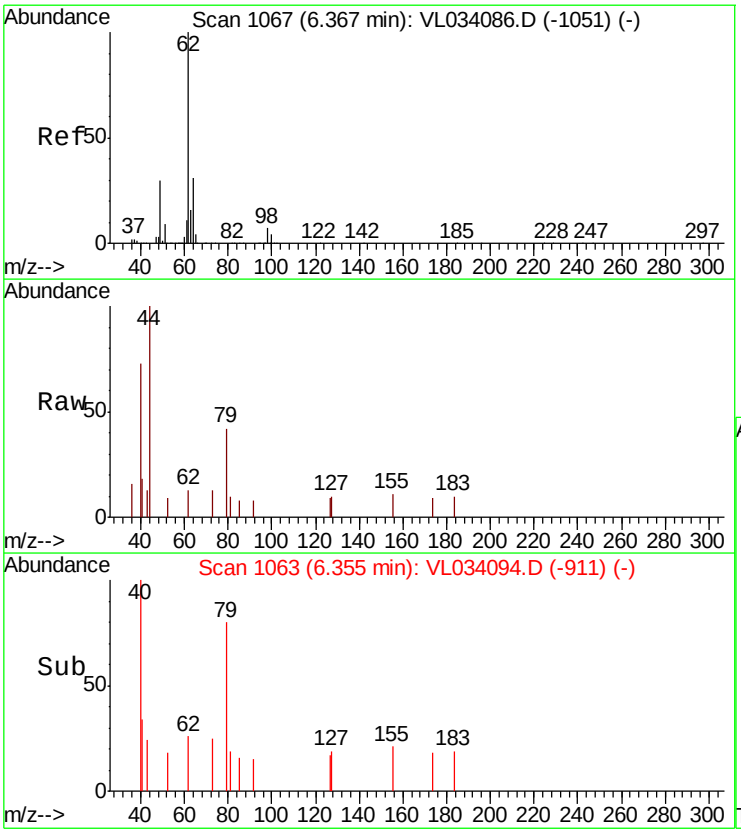
#36
Benzene
Concen: 0.001 ppbv
RT: 6.95 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion: 78 Resp: 348

Ion	Ratio	Lower	Upper
78	100		
77	14.3	19.9	29.9#
50	0.0	16.7	25.1#

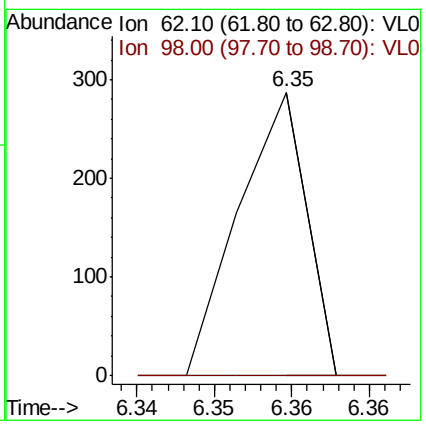


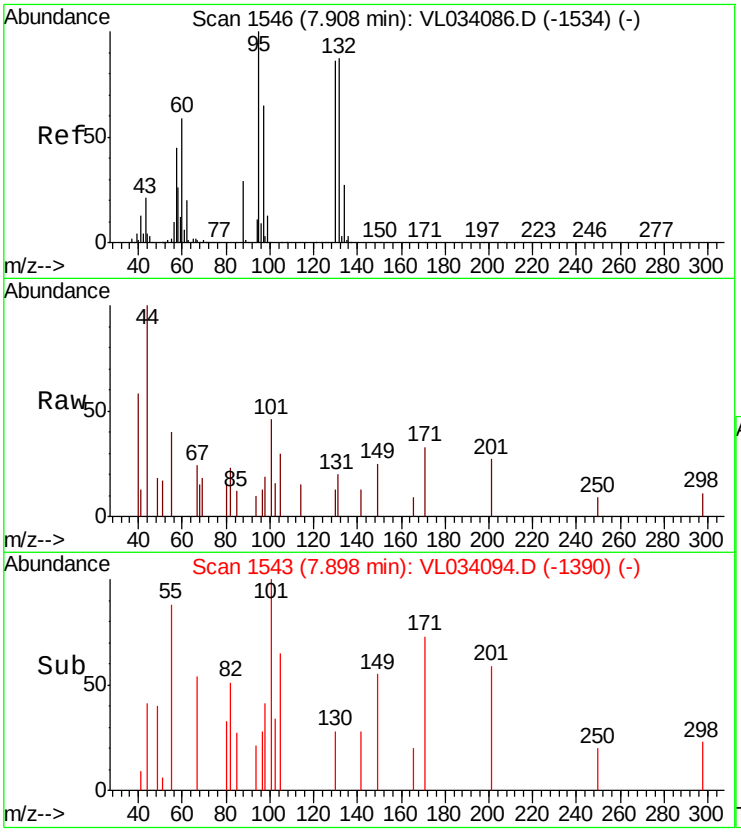


#37
1,2-Dichloroethane
Concen: 0.001 ppbv
RT: 6.35 min Scan# 1063
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 62 Resp: 87

Ion	Ratio	Lower	Upper
62	100		
98	69.0	4.9	7.3#



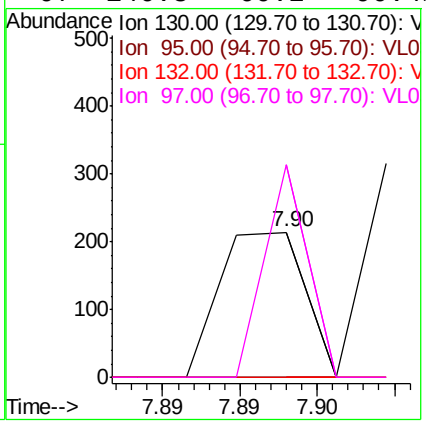


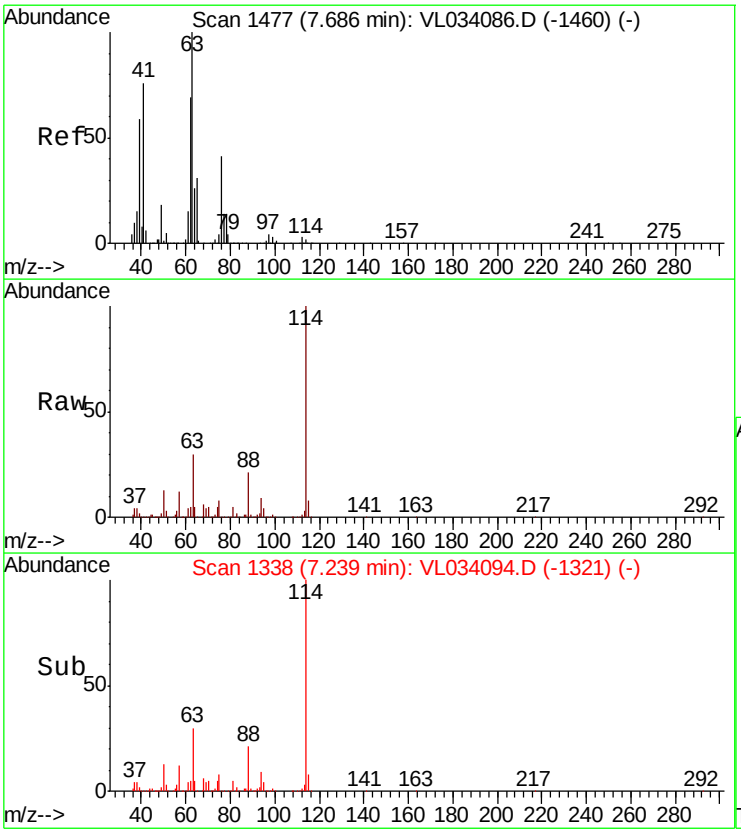
#38
Trichloroethene
Concen: 0.001 ppbv
RT: 7.90 min Scan# 1543
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion:130 Resp: 82

Ion	Ratio	Lower	Upper
130	100		
95	0.0	92.1	138.1#
132	0.0	79.7	119.5#
97	146.3	60.2	90.4#

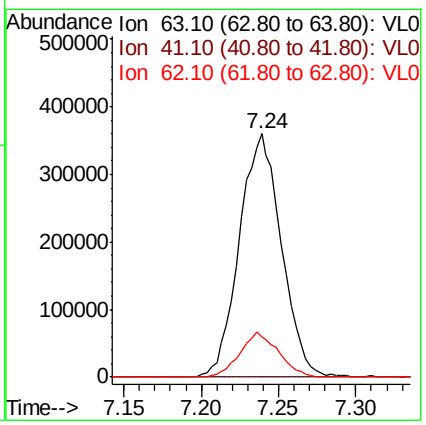


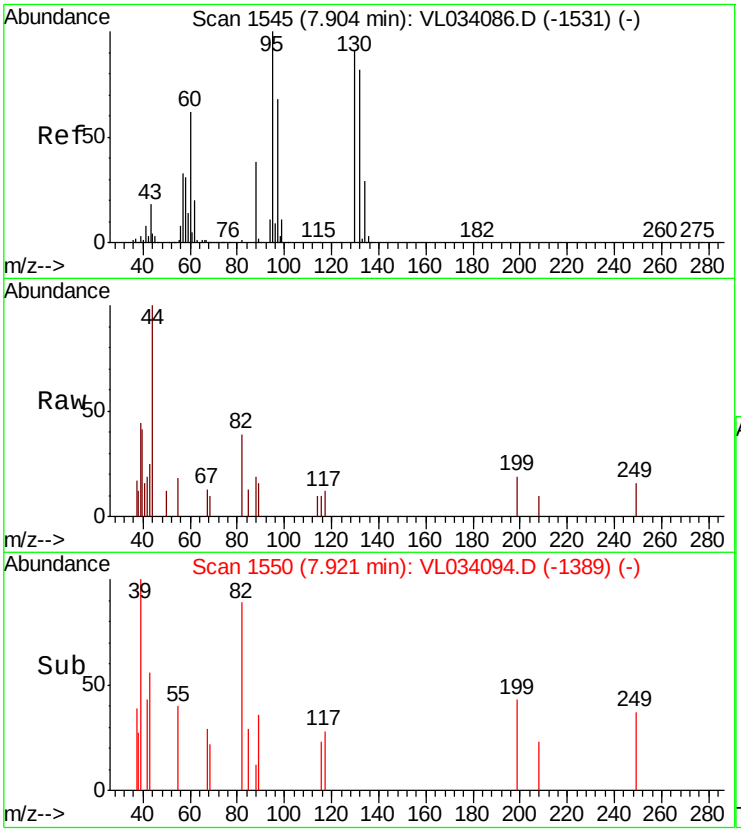


#39
1,2-Dichloropropane
Concen: 6.275 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.45 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 63 Resp: 679777

Ion	Ratio	Lower	Upper
63	100		
41	0.1	60.6	91.0#
62	16.6	55.0	82.6#



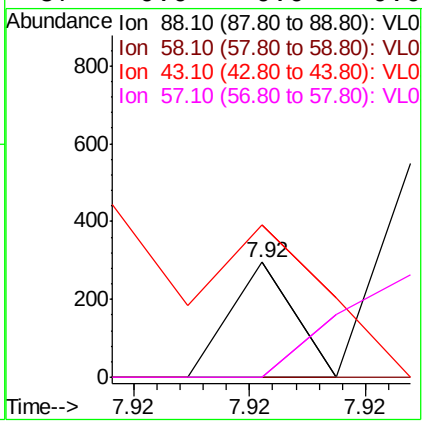


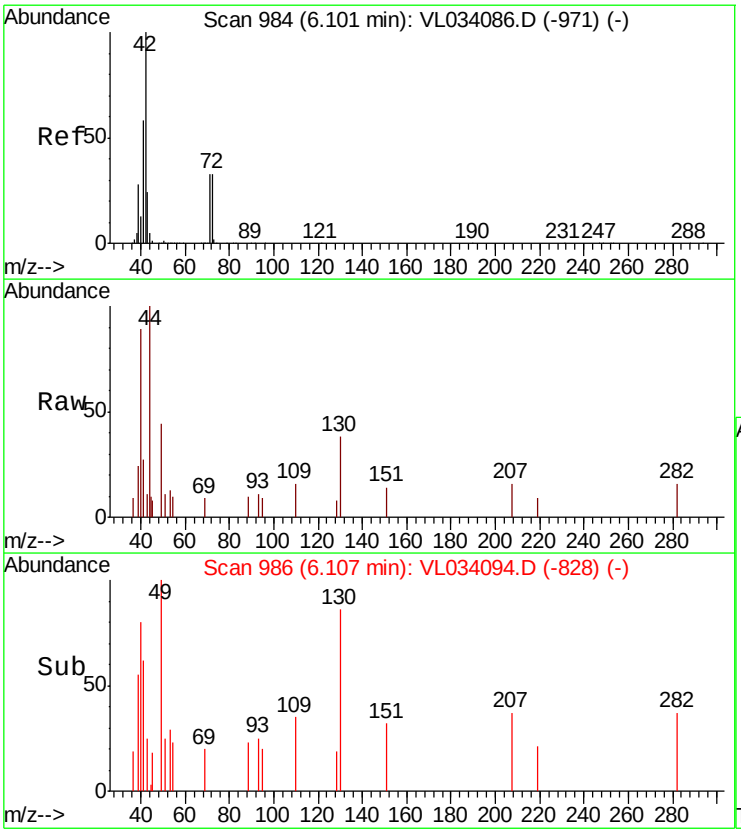
#40
1,4-Dioxane
Concen: 0.001 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. 0.02 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 88 Resp: 57

Ion	Ratio	Lower	Upper
88	100		
58	0.0	113.0	169.4#
43	575.4	0.0	0.0#
57	0.0	0.0	0.0

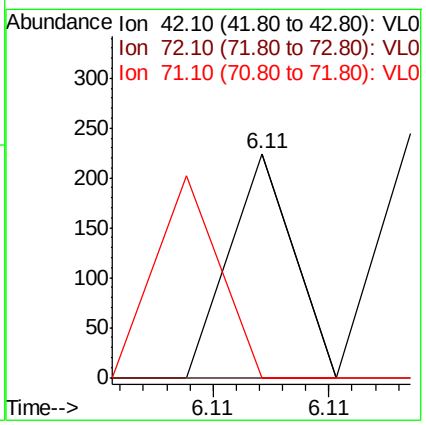


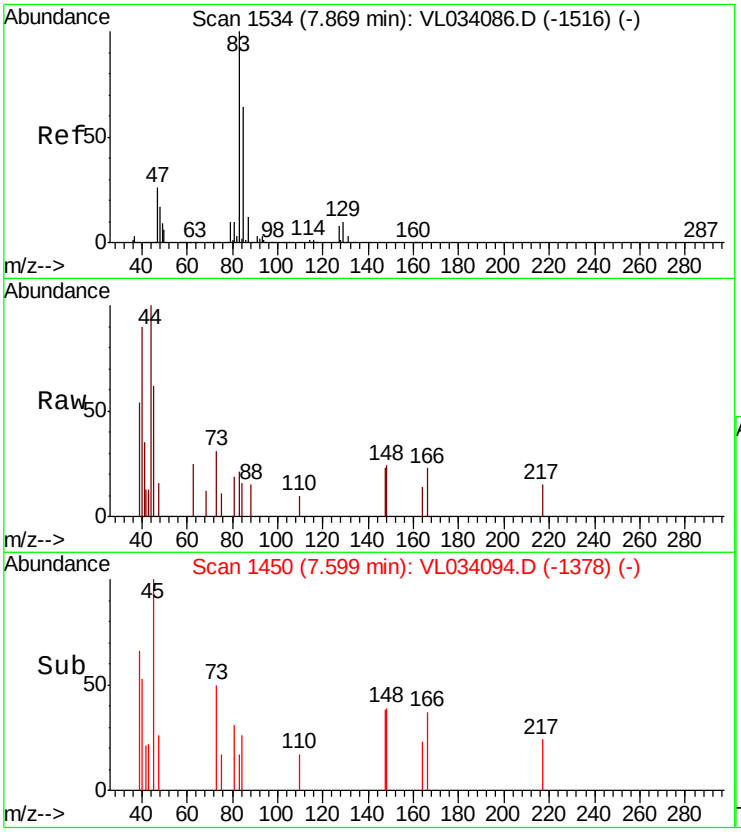


#41
Tetrahydrofuran
Concen: 0.000 ppbv
RT: 6.11 min Scan# 986
Delta R.T. 0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 42 Resp: 43

Ion	Ratio	Lower	Upper
42	100		
72	246.5	26.9	40.3#
71	0.0	26.5	39.7#



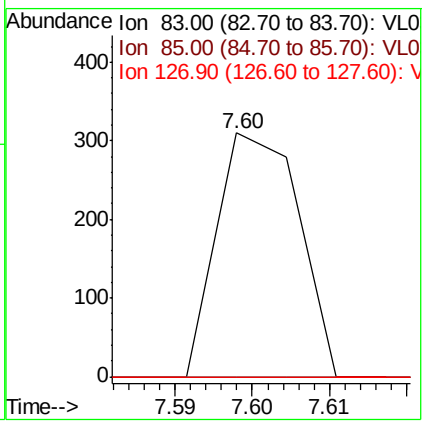


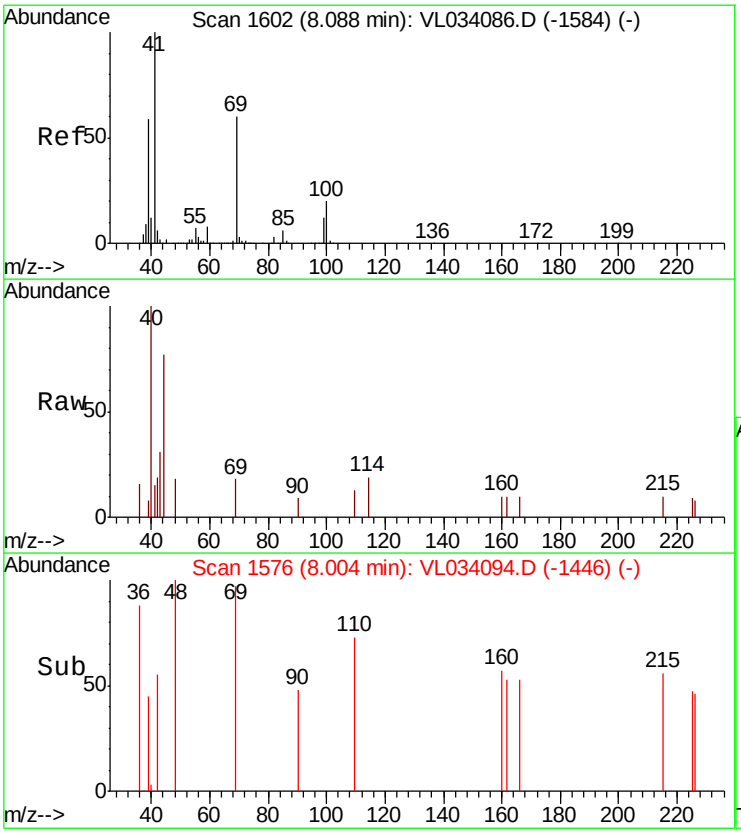
#42
Bromodichloromethane
Concen: 0.001 ppbv
RT: 7.60 min Scan# 1450
Delta R.T. -0.27 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 83 Resp: 114

Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.9	76.3#
127	0.0	6.1	9.1#

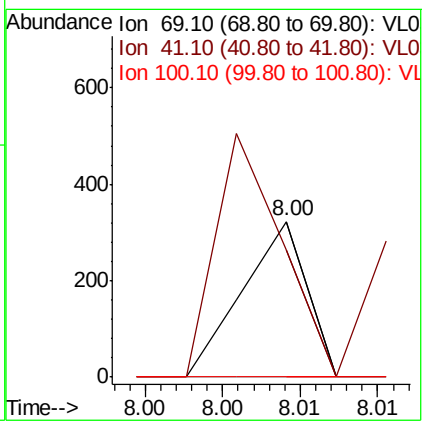


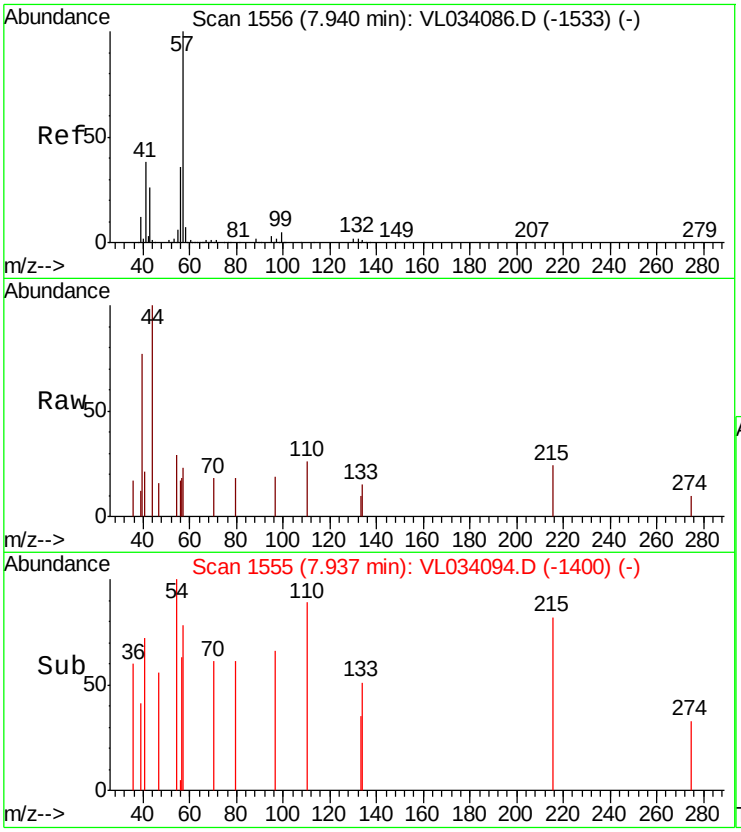


#43
Methyl Methacrylate
Concen: 0.001 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. -0.08 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 69 Resp: 93

Ion	Ratio	Lower	Upper
69	100		
41	216.1	132.9	199.3#
100	0.0	25.8	38.8#



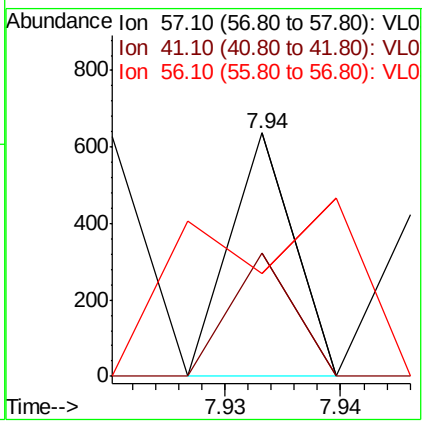


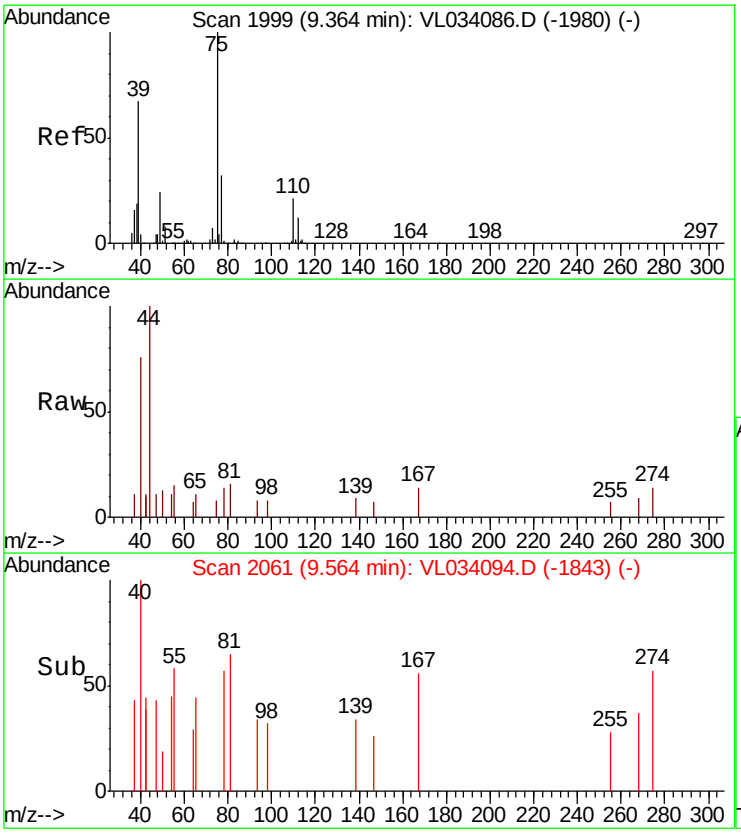
#44
2,2,4-Trimethylpentane
Concen: 0.000 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 57 Resp: 123

Ion	Ratio	Lower	Upper
57	100		
41	0.0	29.2	43.8#
56	0.0	26.7	40.1#

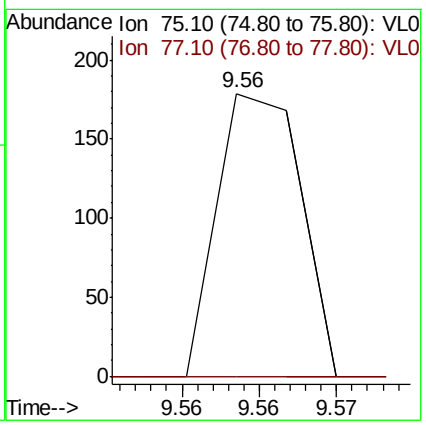


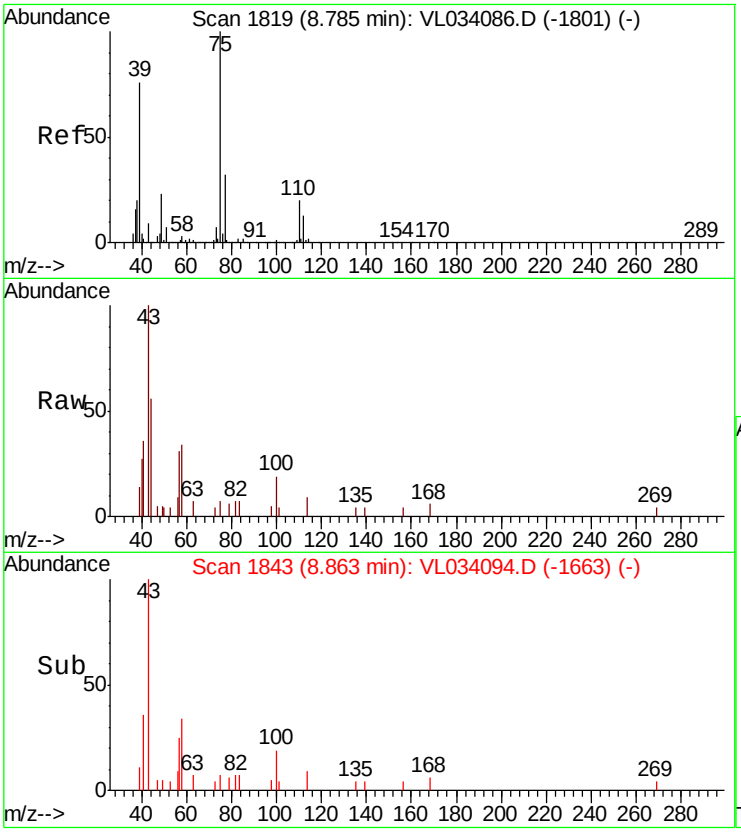


#45
t-1,3-Dichloropropene
Concen: 0.000 ppbv
RT: 9.56 min Scan# 2061
Delta R.T. 0.20 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 75 Resp: 67

Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.7	38.5#



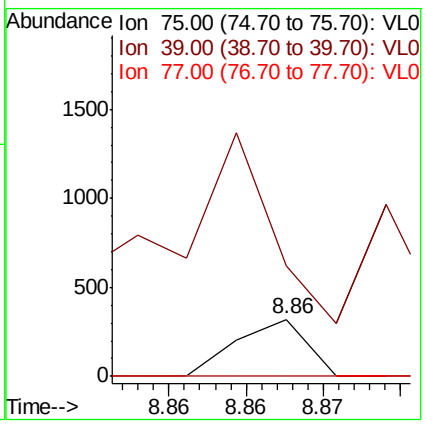


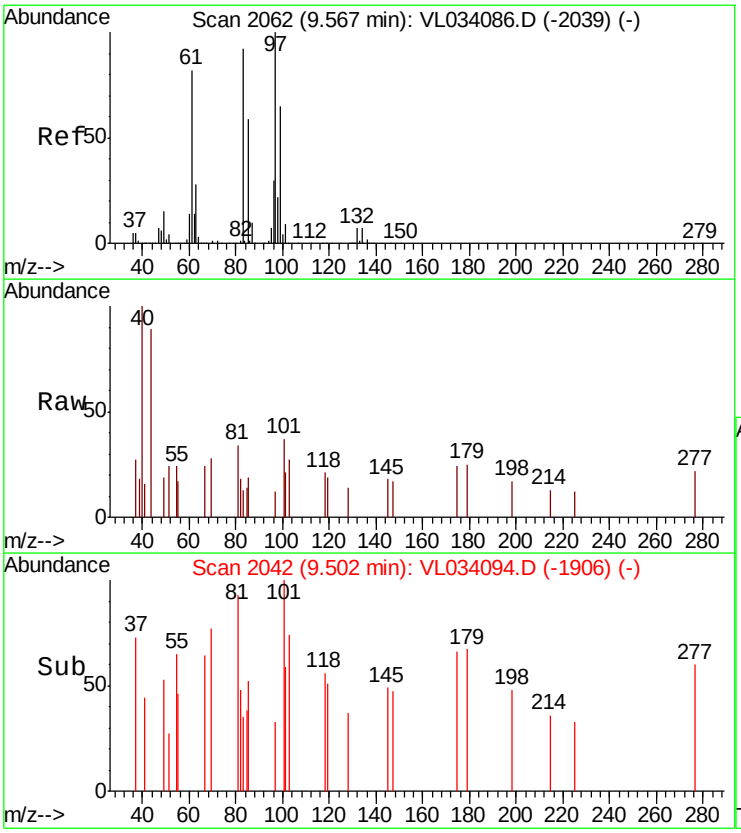
#46
cis-1,3-Dichloropropene
Concen: 0.001 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. 0.08 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 75 Resp: 102

Ion	Ratio	Lower	Upper
75	100		
39	101.6	61.0	91.4#
77	0.0	25.6	38.4#

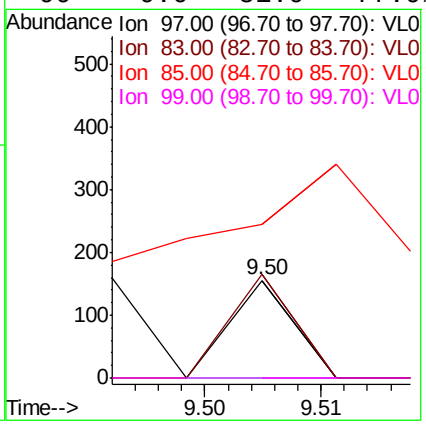


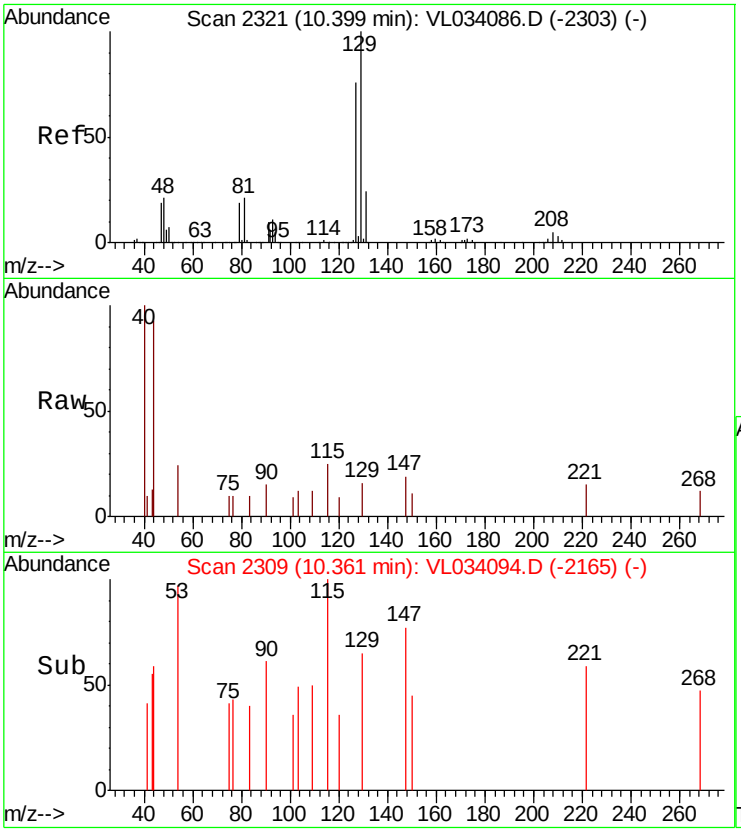


#47
1,1,2-Trichloroethane
Concen: 0.000 ppbv
RT: 9.50 min Scan# 2042
Delta R.T. -0.06 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 97 Resp: 30

Ion	Ratio	Lower	Upper
97	100		
83	106.5	74.0	111.0
85	13.5	47.1	70.7#
99	0.0	51.9	77.9#



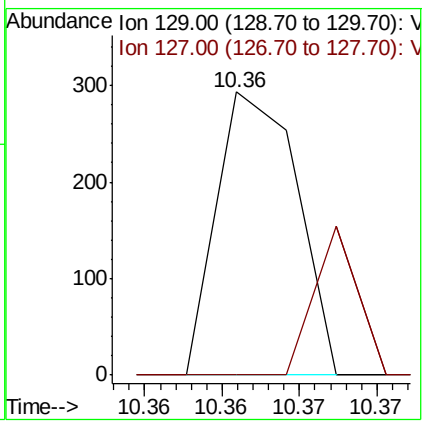


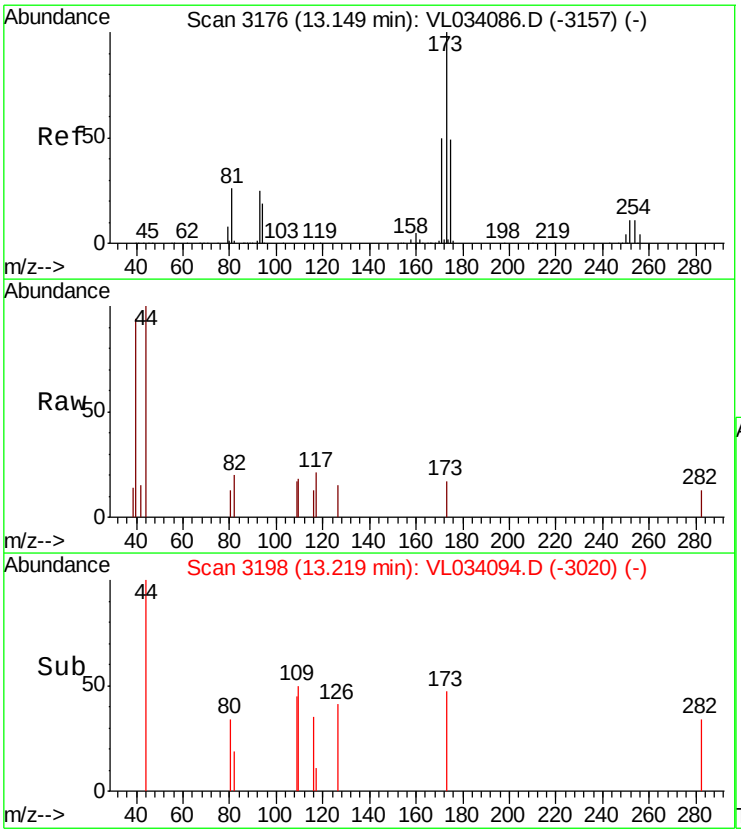
#48
Dibromochloromethane
Concen: 0.001 ppbv
RT: 10.36 min Scan# 2309
Delta R.T. -0.04 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:129 Resp: 105

Ion	Ratio	Lower	Upper
129	100		
127	42.9	39.4	118.2

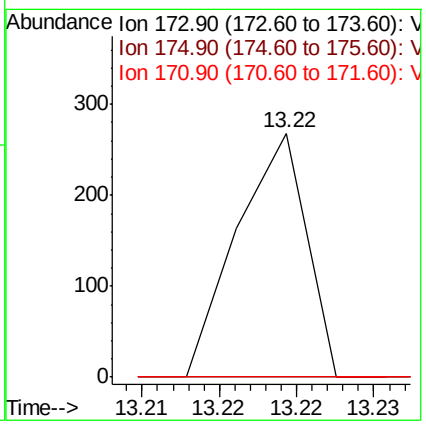


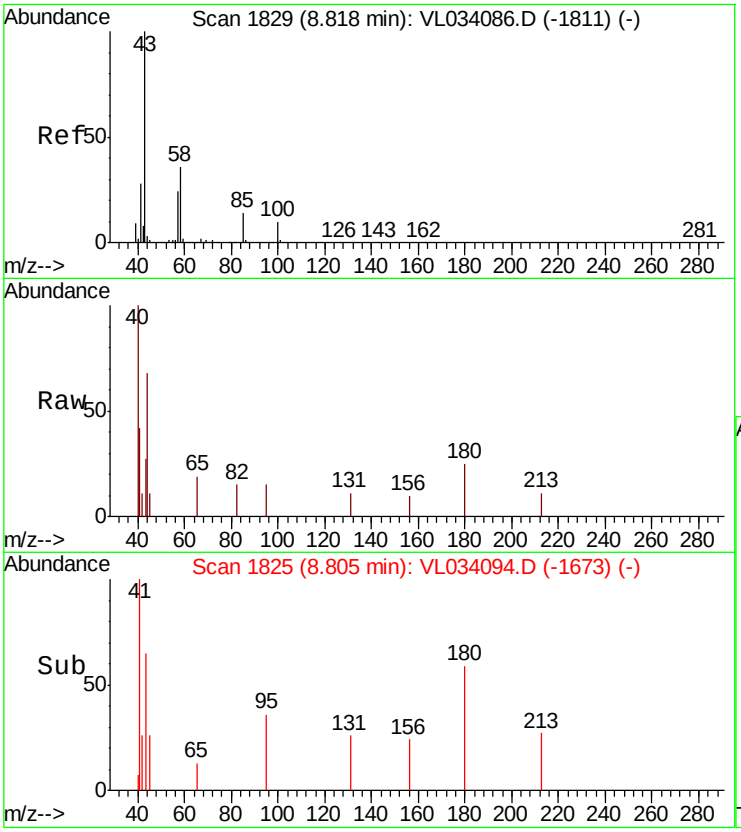


#49
Bromoform
Concen: 0.001 ppbv
RT: 13.22 min Scan# 3198
Delta R.T. 0.07 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:173 Resp: 83

Ion	Ratio	Lower	Upper
173	100		
175	39.8	39.8	59.8#
171	0.0	42.7	64.1#



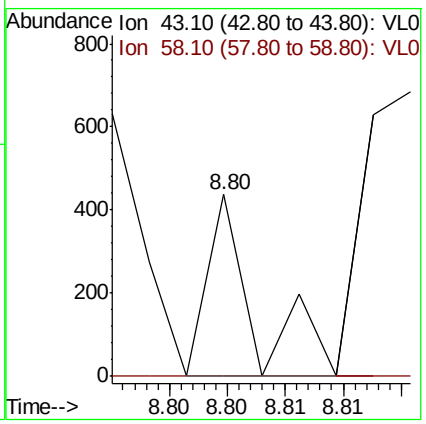


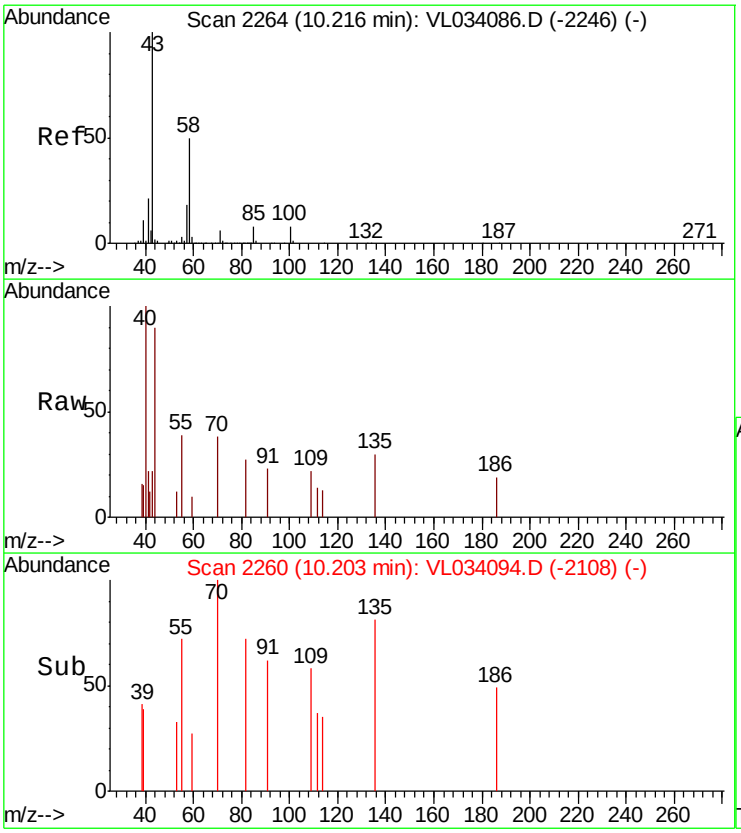
#50
4-Methyl-2-Pentanone
Concen: 0.000 ppbv
RT: 8.80 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion: 43 Resp: 122

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.2	42.2#

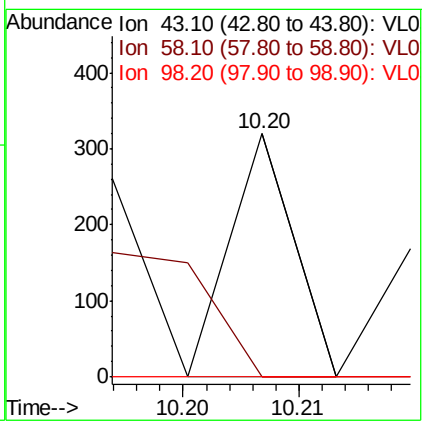


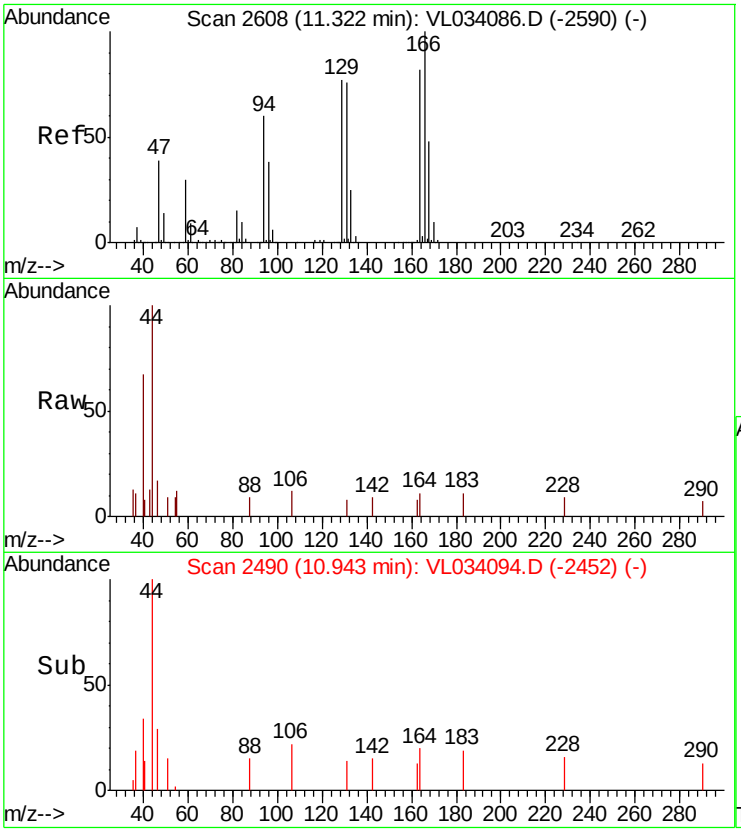


#51
2-Hexanone
Concen: 0.000 ppbv
RT: 10.20 min Scan# 2260
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 43 Resp: 62

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



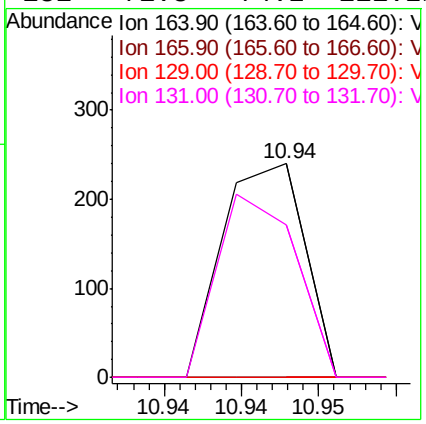


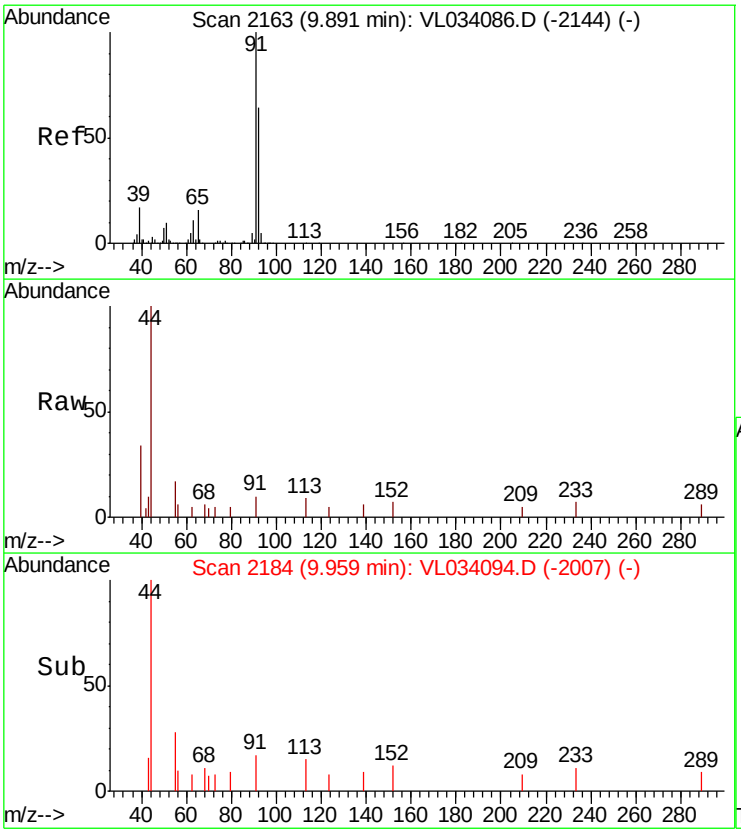
#52
Tetrachloroethene
Concen: 0.001 ppbv
RT: 10.94 min Scan# 2490
Delta R.T. -0.38 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion:164 Resp: 89

Ion	Ratio	Lower	Upper
164	100		
166	0.0	96.8	145.2#
129	0.0	74.9	112.3#
131	71.3	74.2	111.2#

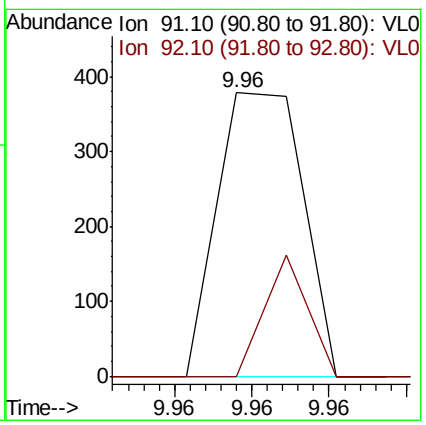


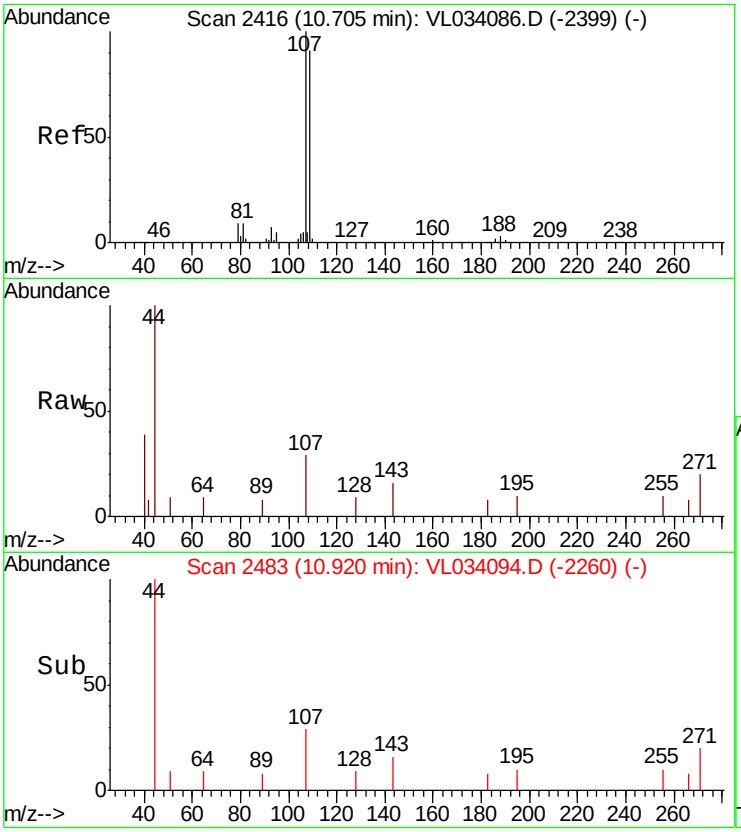


#53
Toluene
Concen: 0.000 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. 0.07 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 91 Resp: 145

Ion	Ratio	Lower	Upper
91	100		
92	66.2	50.3	75.5



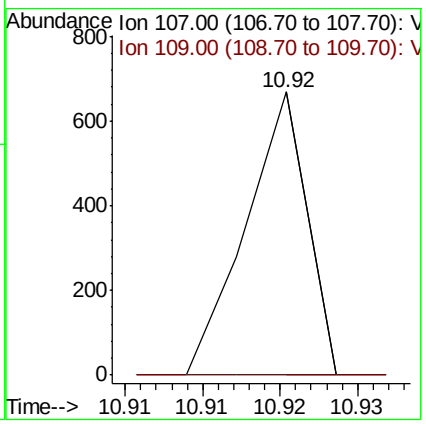


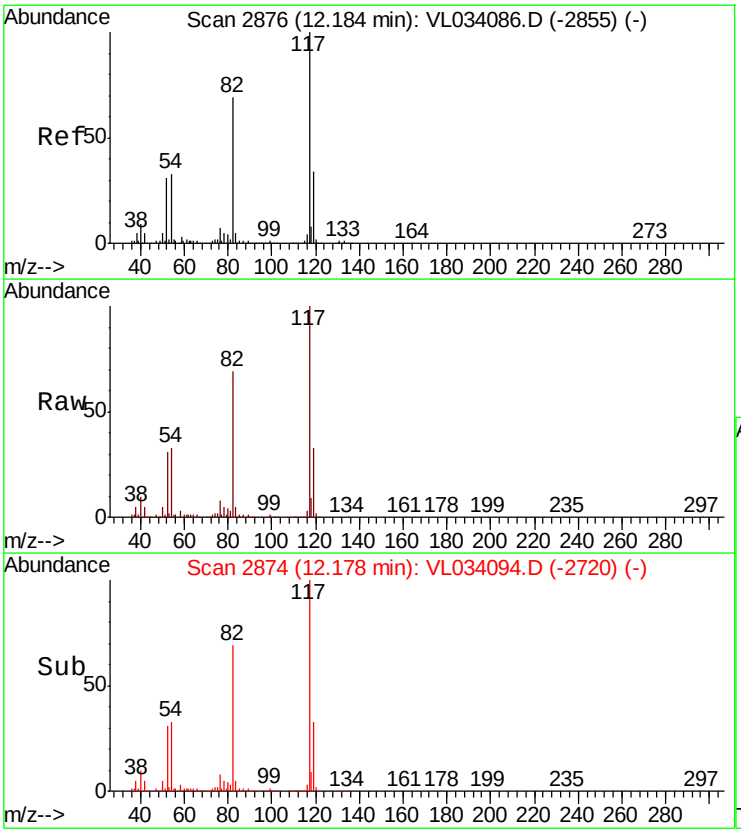
#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 10.92 min Scan# 2483
Delta R.T. 0.22 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion:107 Resp: 182

Ion	Ratio	Lower	Upper
107	100		
109	0.0	72.9	109.3#

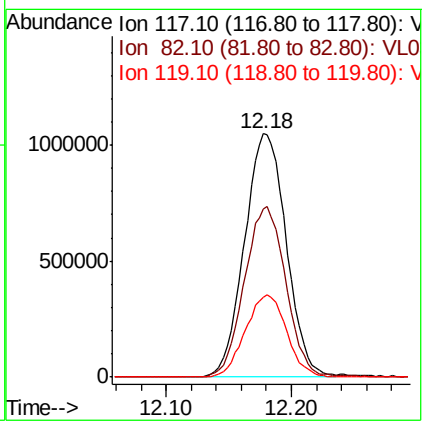


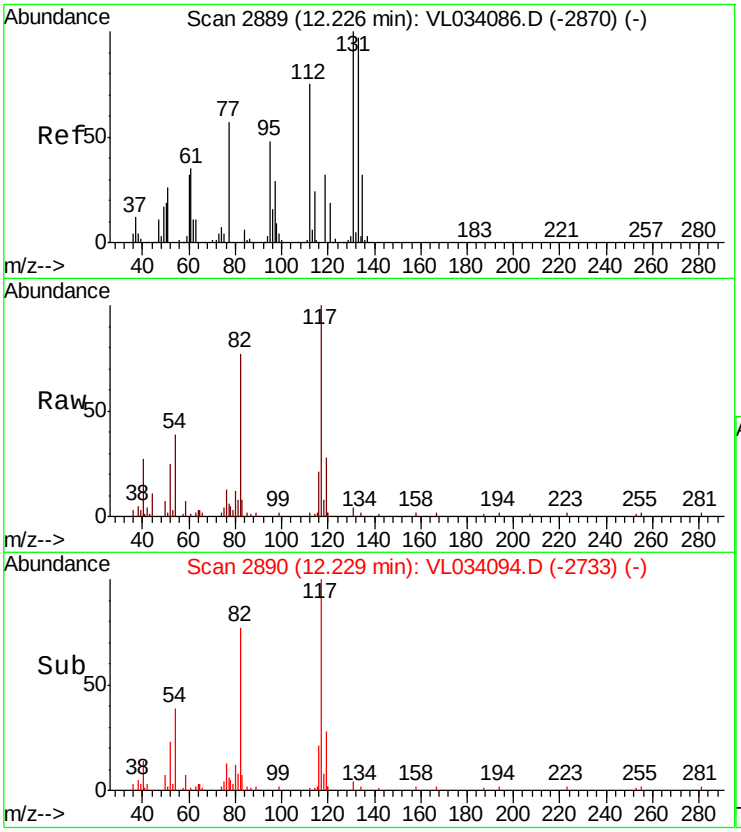


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2874
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:117 Resp: 2434309

Ion	Ratio	Lower	Upper
117	100		
82	70.0	52.2	78.4
119	33.5	44.8	67.2#



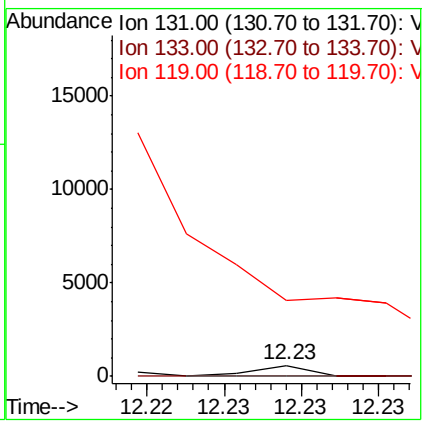


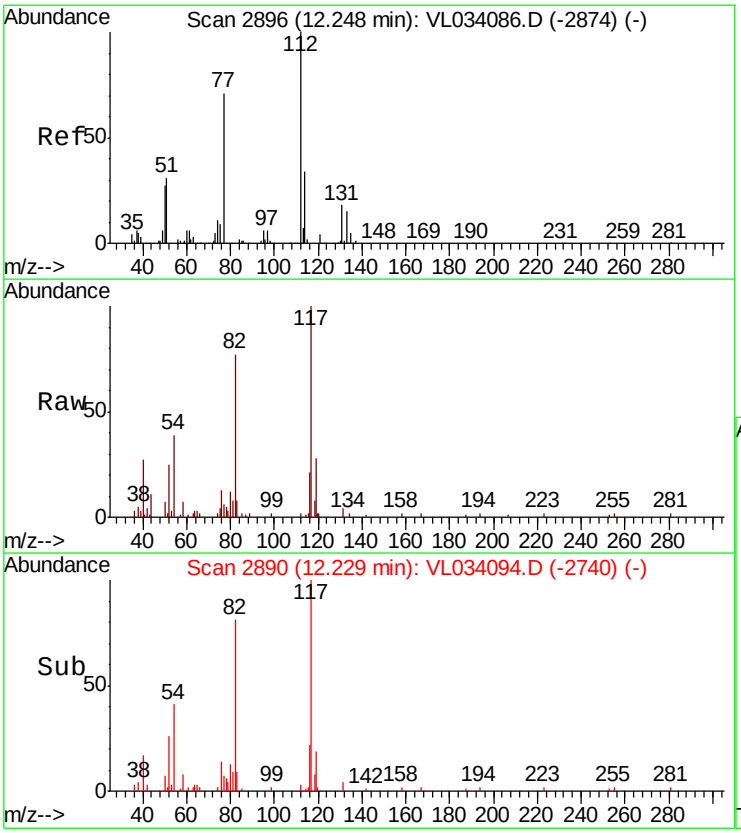
#56
1,1,1,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. 0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:131 Resp: 147

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

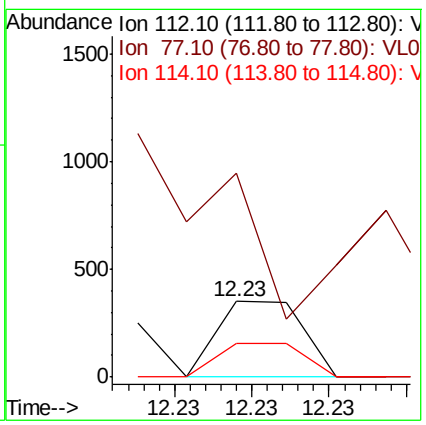


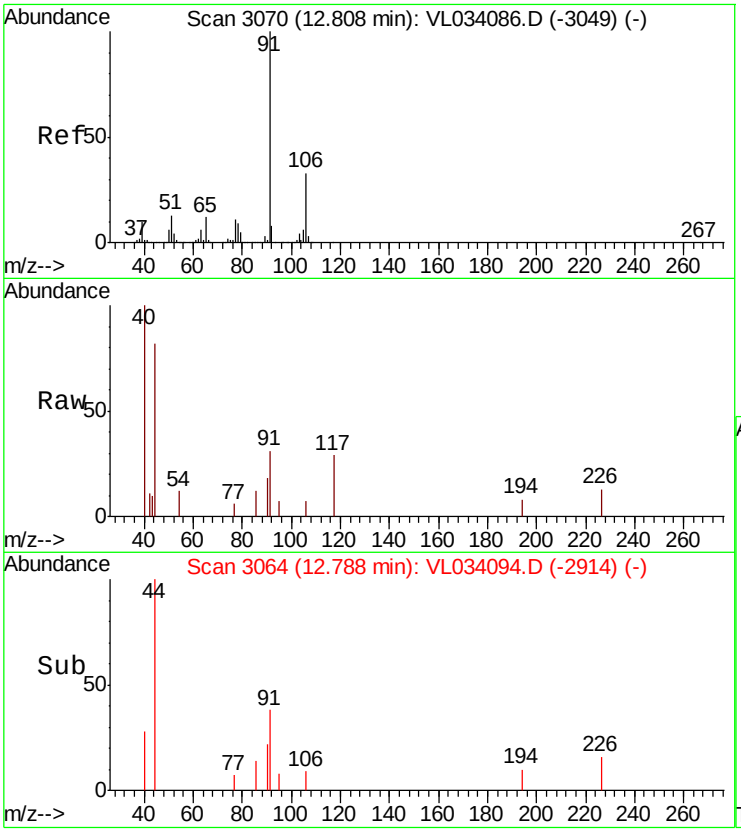


#57
Chlorobenzene
Concen: 0.001 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:112 Resp: 135

Ion	Ratio	Lower	Upper
112	100		
77	123.4	57.8	86.6#
114	45.0	30.3	37.1#



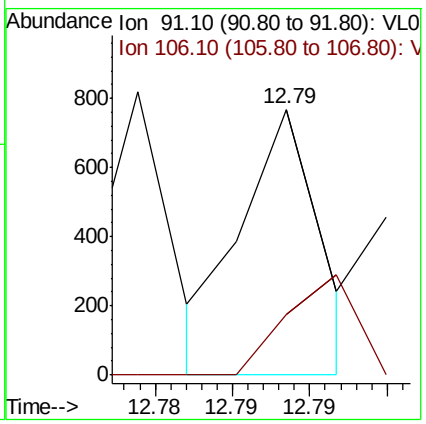


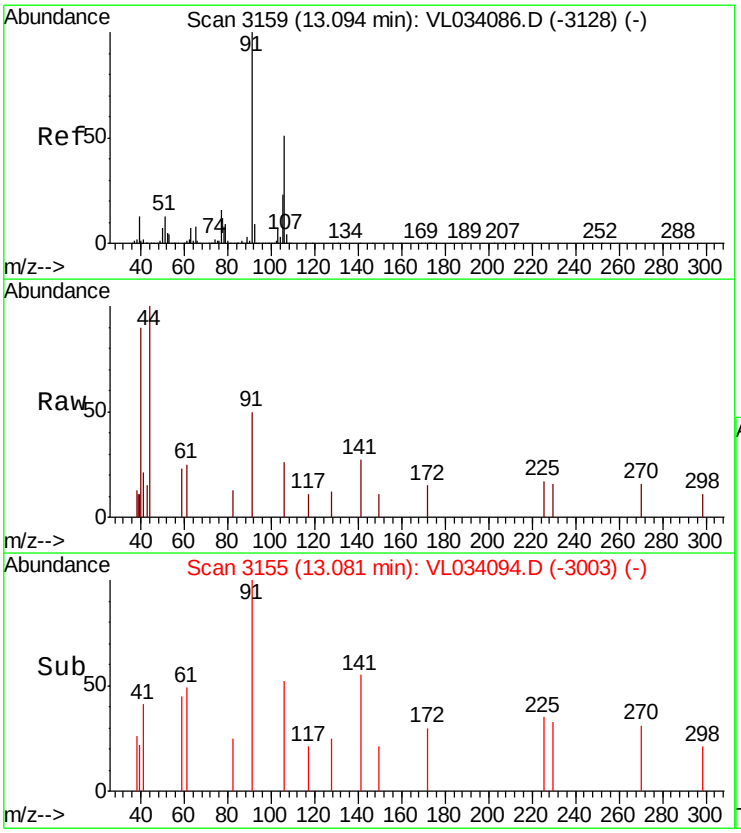
#58
Ethyl Benzene
Concen: 0.001 ppbv
RT: 12.79 min Scan# 3064
Delta R.T. -0.02 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 91 Resp: 269

Ion	Ratio	Lower	Upper
91	100		
106	31.3	26.0	39.0

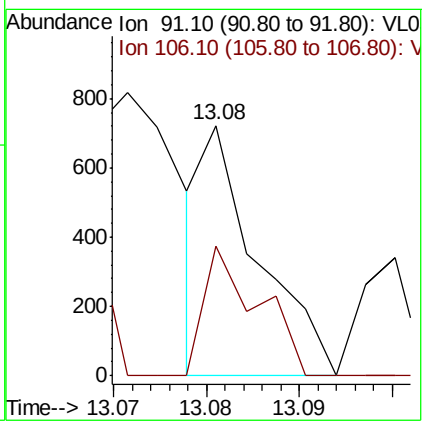


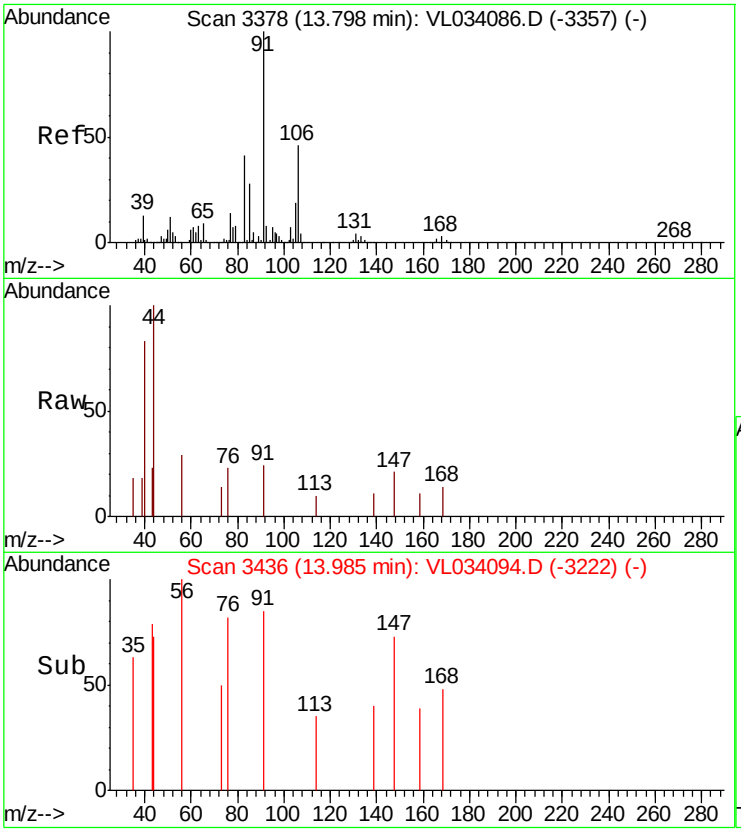


#59
m/p-Xylene
Concen: 0.001 ppbv
RT: 13.08 min Scan# 3155
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 91 Resp: 298

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.7	58.1#



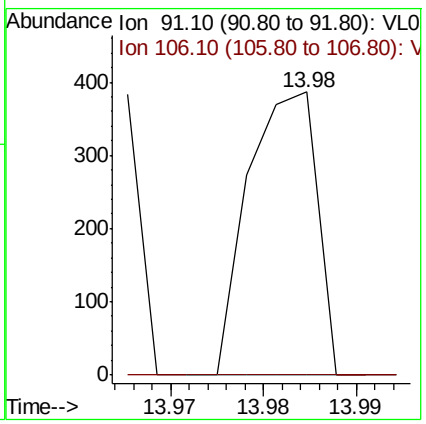


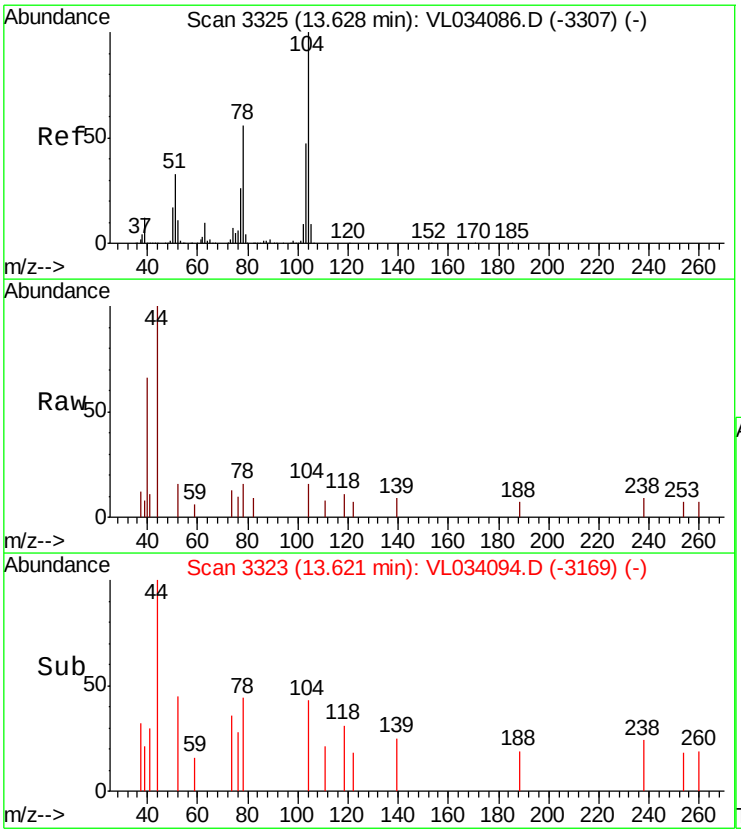
#60
o-Xylene
Concen: 0.001 ppbv
RT: 13.98 min Scan# 3436
Delta R.T. 0.19 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion: 91 Resp: 199

Ion	Ratio	Lower	Upper
91	100		
106	32.2	22.6	67.7

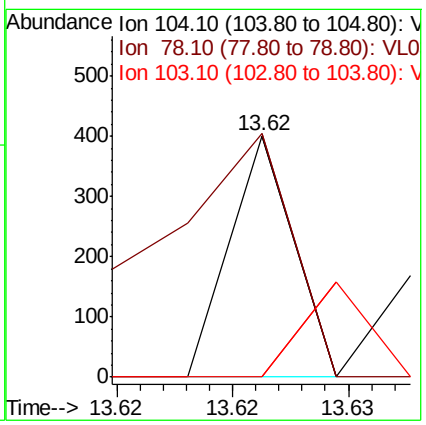


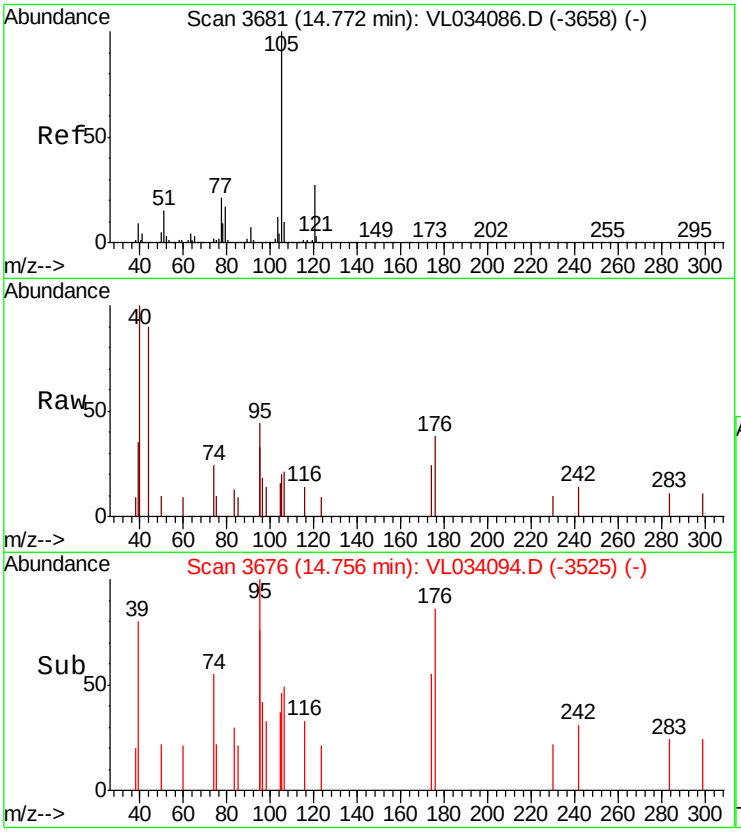


#61
Styrene
Concen: 0.000 ppbv
RT: 13.62 min Scan# 3323
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:104 Resp: 77

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



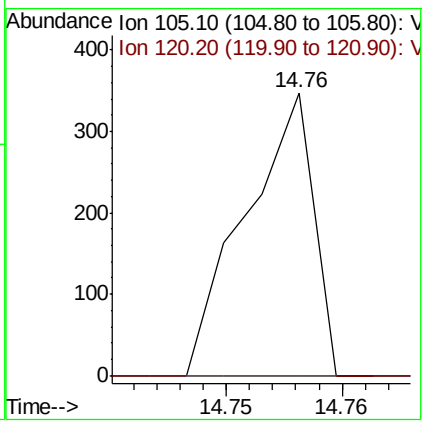


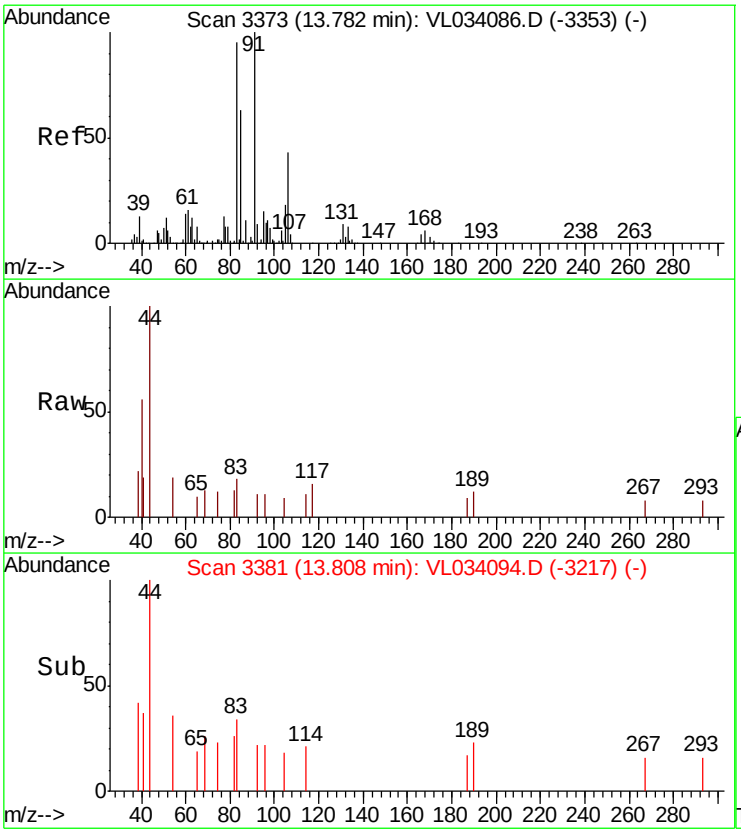
#62
Isopropylbenzene
Concen: 0.000 ppbv
RT: 14.76 min Scan# 3676
Delta R.T. -0.02 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:105 Resp: 142

Ion	Ratio	Lower	Upper
105	100		
120	0.0	21.4	32.2#

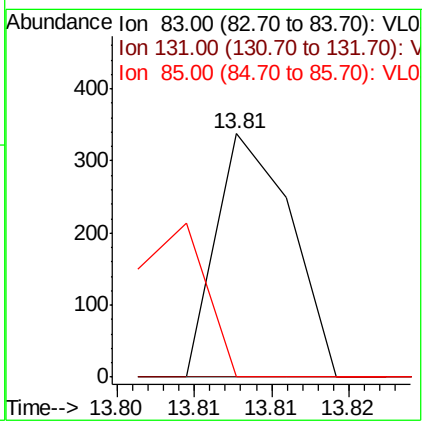


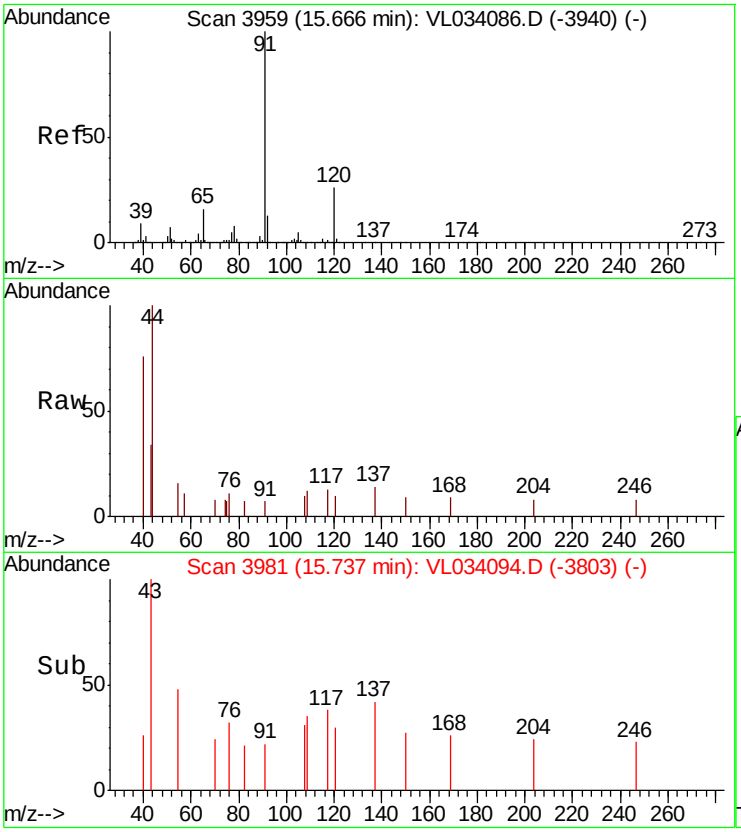


#63
1,1,2,2-Tetrachloroethane
Concen: 0.000 ppbv
RT: 13.81 min Scan# 3381
Delta R.T. 0.03 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 83 Resp: 113

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.6	13.8#
85	61.9	32.6	97.8



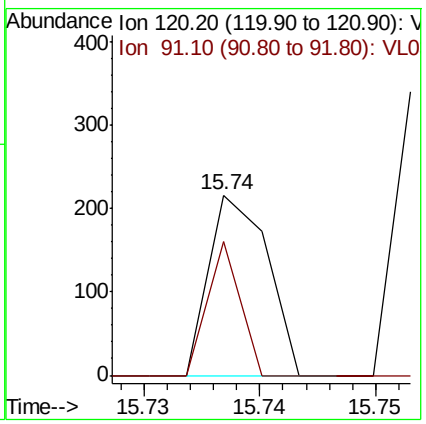


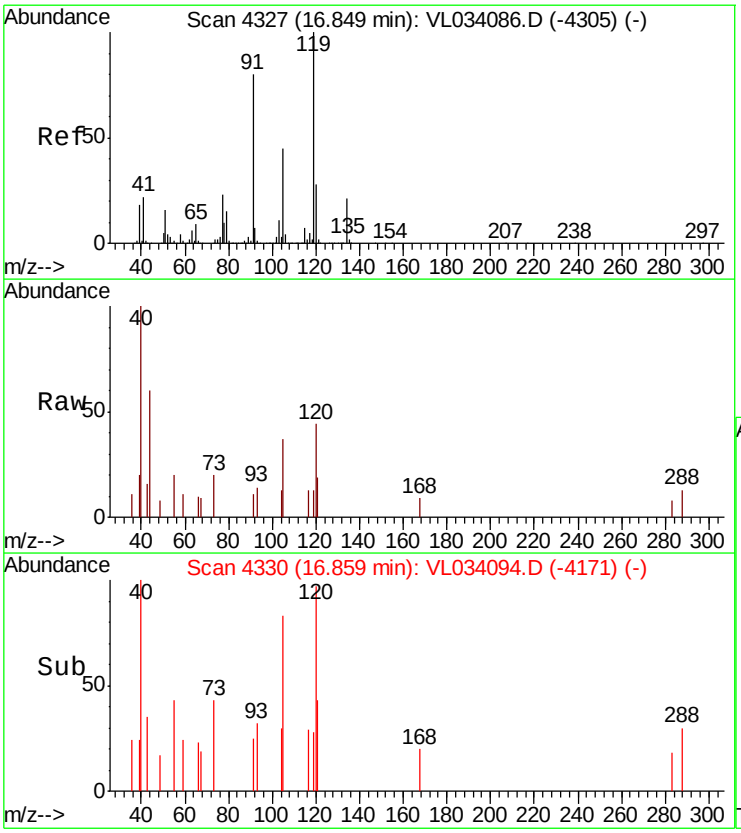
#64
n-propylbenzene
Concen: 0.001 ppbv
RT: 15.74 min Scan# 3981
Delta R.T. 0.07 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:120 Resp: 75

Ion	Ratio	Lower	Upper
120	100		
91	41.3	359.7	539.5#

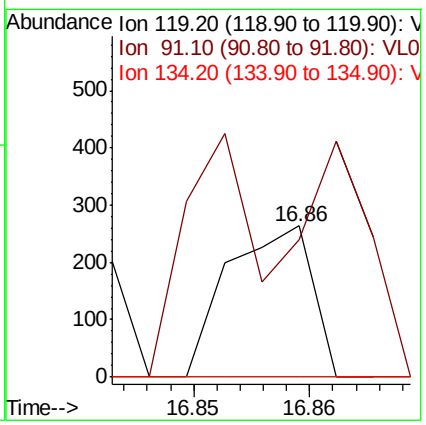


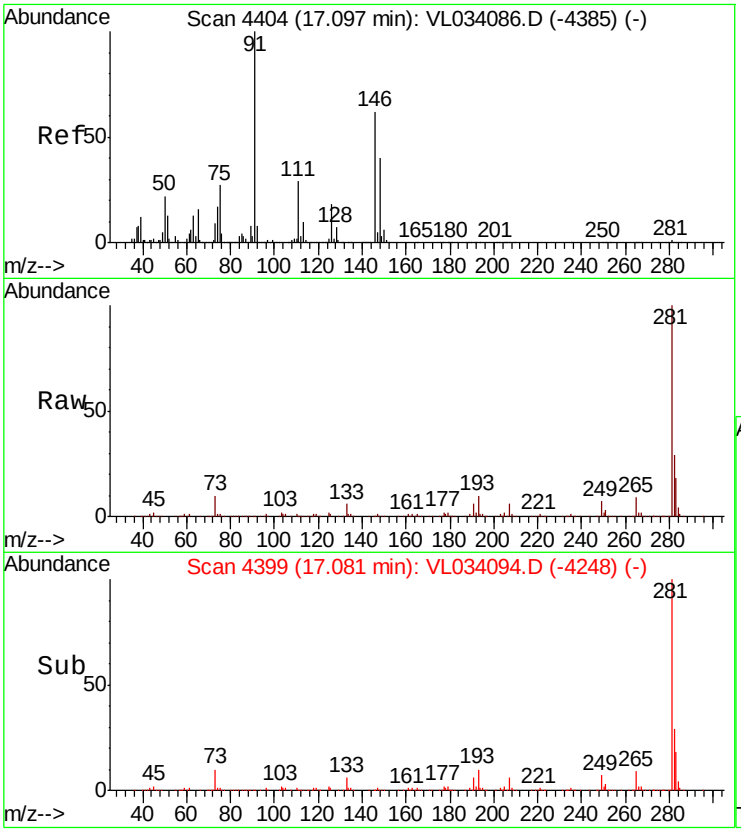


#65
tert-Butylbenzene
Concen: 0.000 ppbv
RT: 16.86 min Scan# 4330
Delta R.T. 0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:119 Resp: 133

Ion	Ratio	Lower	Upper
119	100		
91	355.6	67.6	101.4#
134	0.0	16.0	24.0#



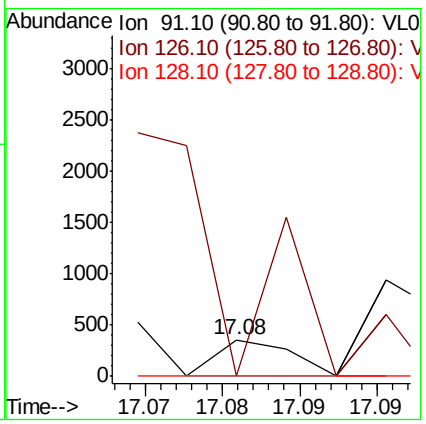


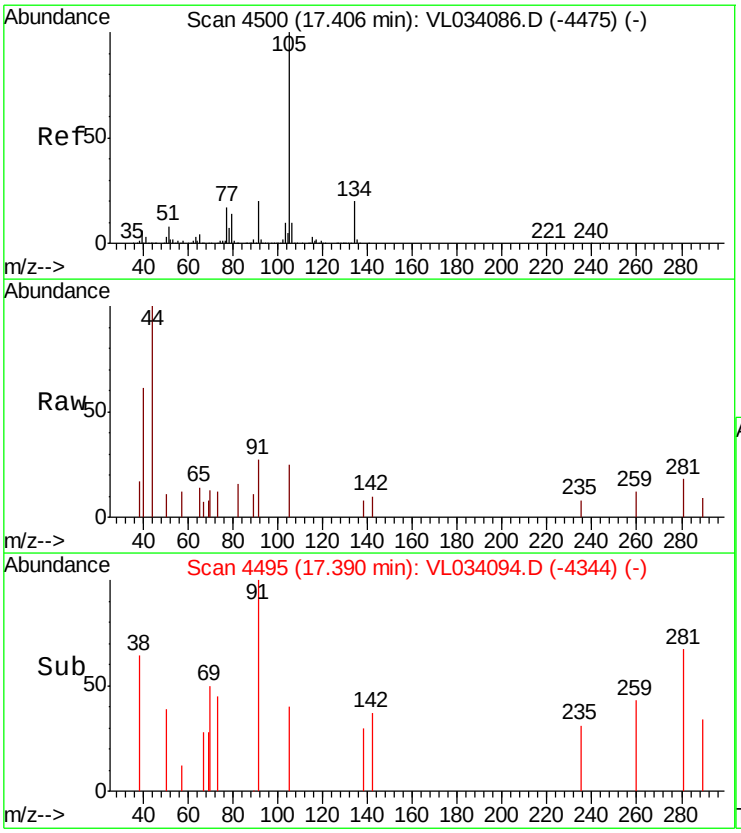
#66
Benzyl Chloride
Concen: 0.001 ppbv
RT: 17.08 min Scan# 4399
Delta R.T. -0.02 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion: 91 Resp: 120

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

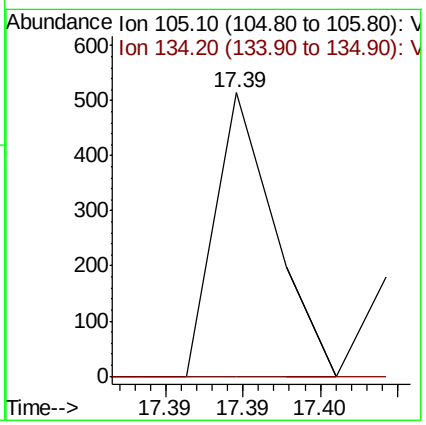


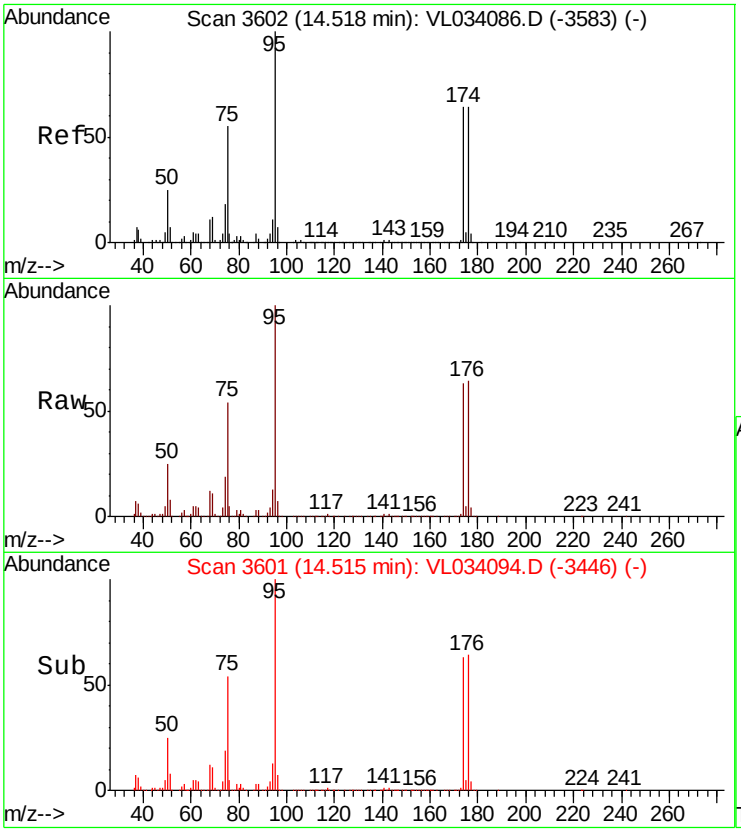


#67
sec-Butylbenzene
Concen: 0.000 ppbv
RT: 17.39 min Scan# 4495
Delta R.T. -0.02 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:105 Resp: 137

Ion	Ratio	Lower	Upper
105	100		
134	0.0	15.4	23.2#



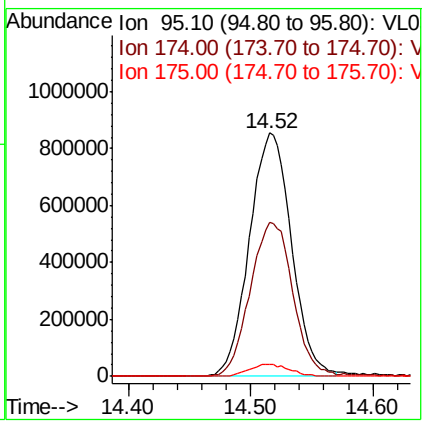


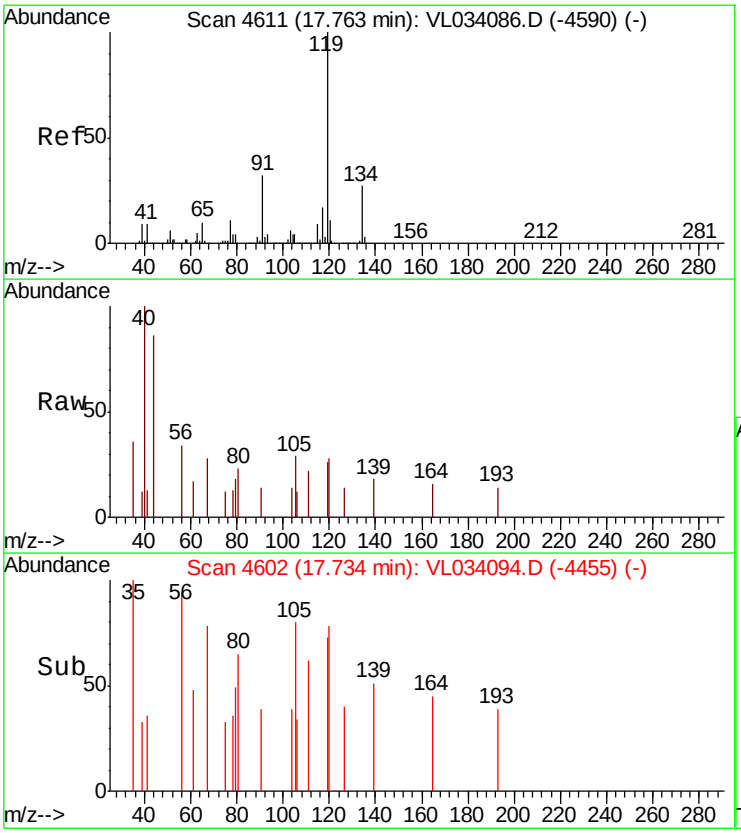
#68
1-Bromo-4-Fluorobenzene
Concen: 10.330 ppbv
RT: 14.52 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion: 95 Resp: 2040261

Ion	Ratio	Lower	Upper
95	100		
174	65.1	53.0	79.6
175	4.8	4.2	6.2

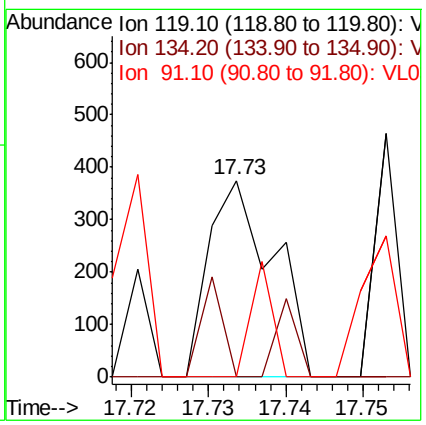


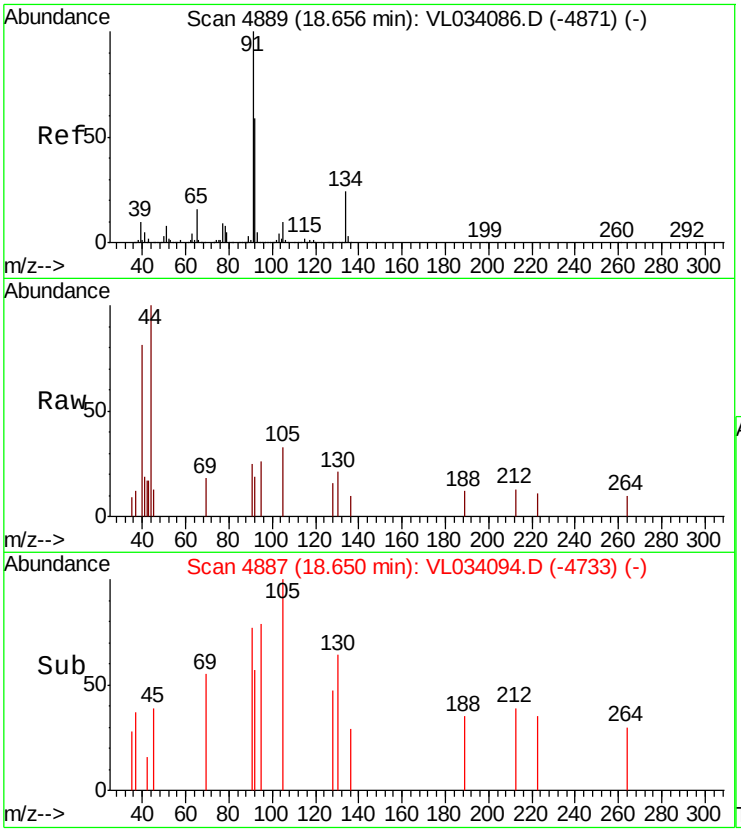


#69
p-Isopropyltoluene
Concen: 0.000 ppbv
RT: 17.73 min Scan# 4602
Delta R.T. -0.03 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:119 Resp: 218

Ion	Ratio	Lower	Upper
119	100		
134	0.0	21.3	31.9#
91	57.8	25.4	38.0#



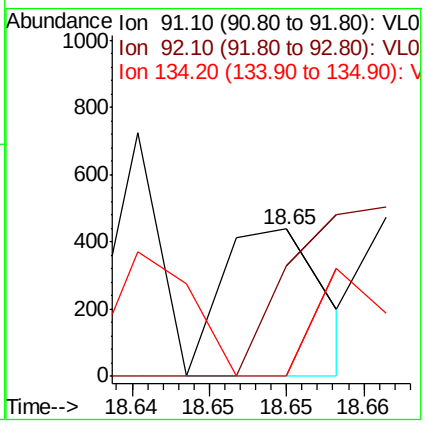


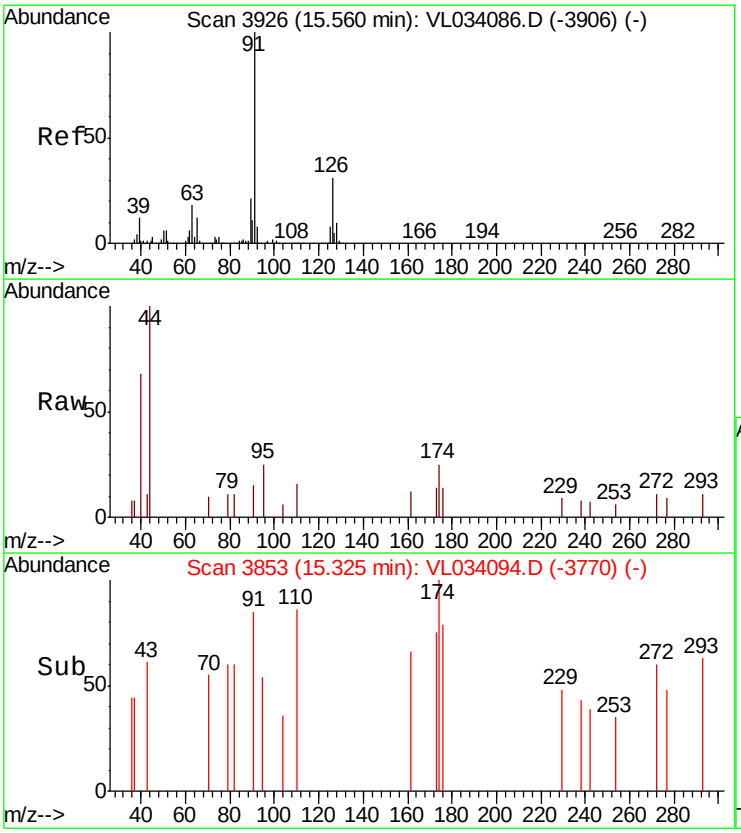
#70
n-Butylbenzene
Concen: 0.000 ppbv
RT: 18.65 min Scan# 4887
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument : MSVOA_L
ClientSampleId : VL0805ABL01

Tgt Ion: 91 Resp: 203

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

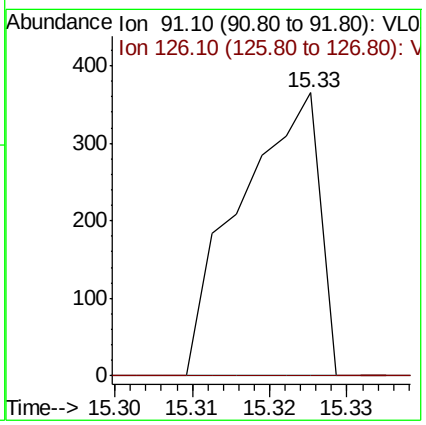


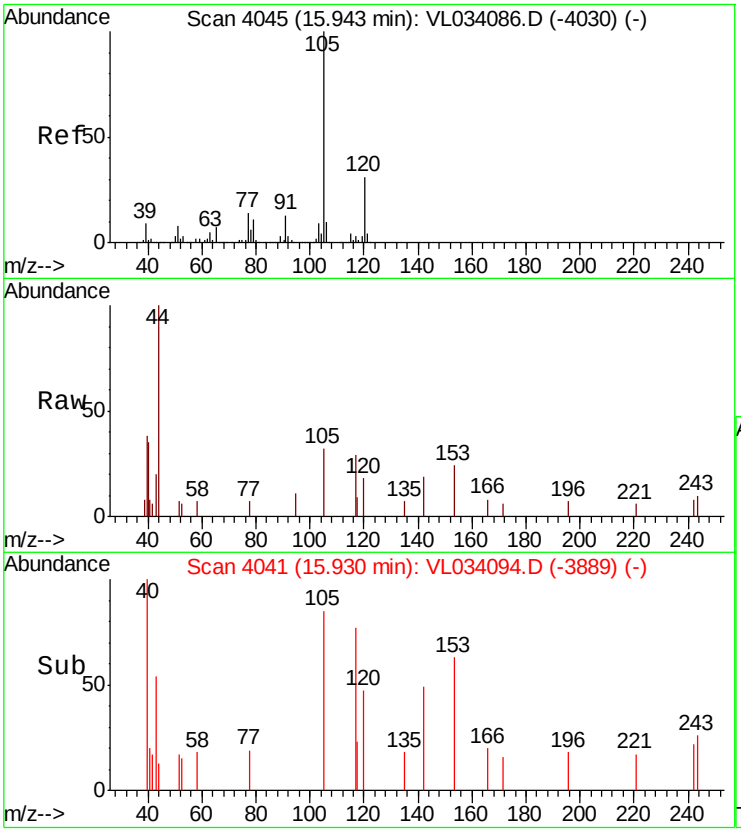


#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 15.33 min Scan# 3853
Delta R.T. -0.23 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion: 91 Resp: 261

Ion	Ratio	Lower	Upper
91	100		
126	26.8	12.2	48.6



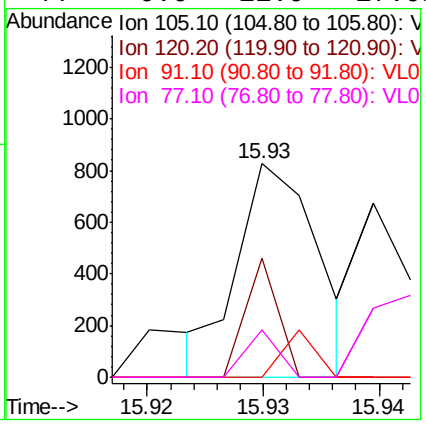


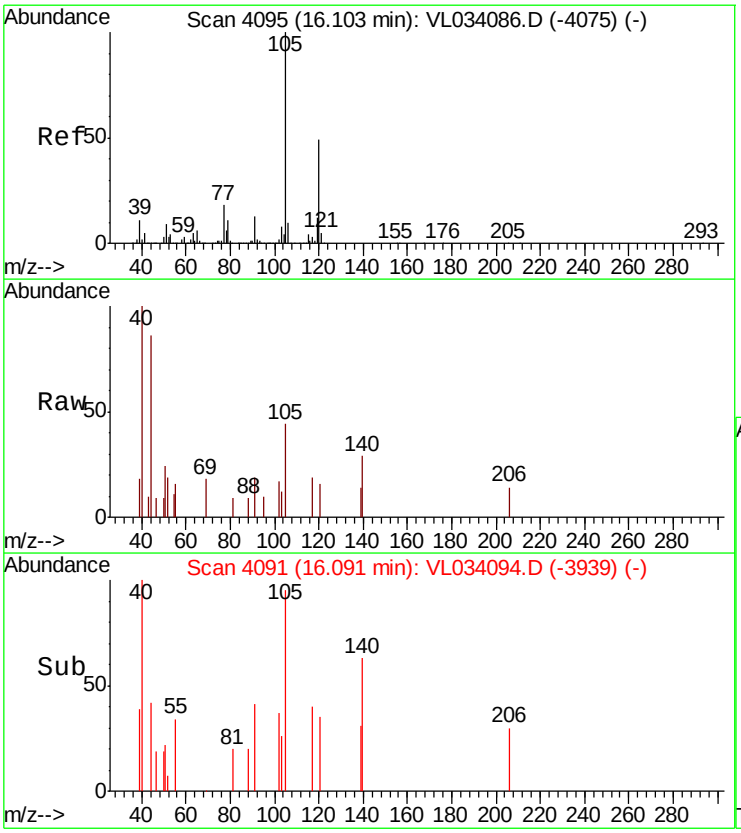
#72
4-Ethyltoluene
Concen: 0.001 ppbv
RT: 15.93 min Scan# 4041
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:105 Resp: 397

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#

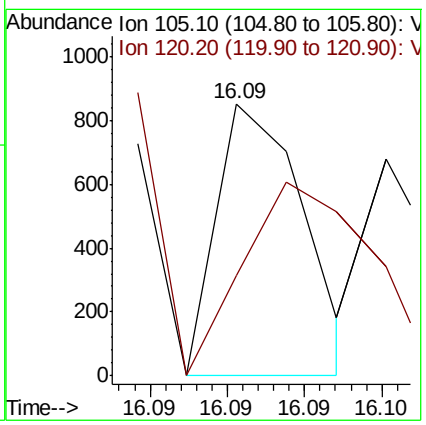


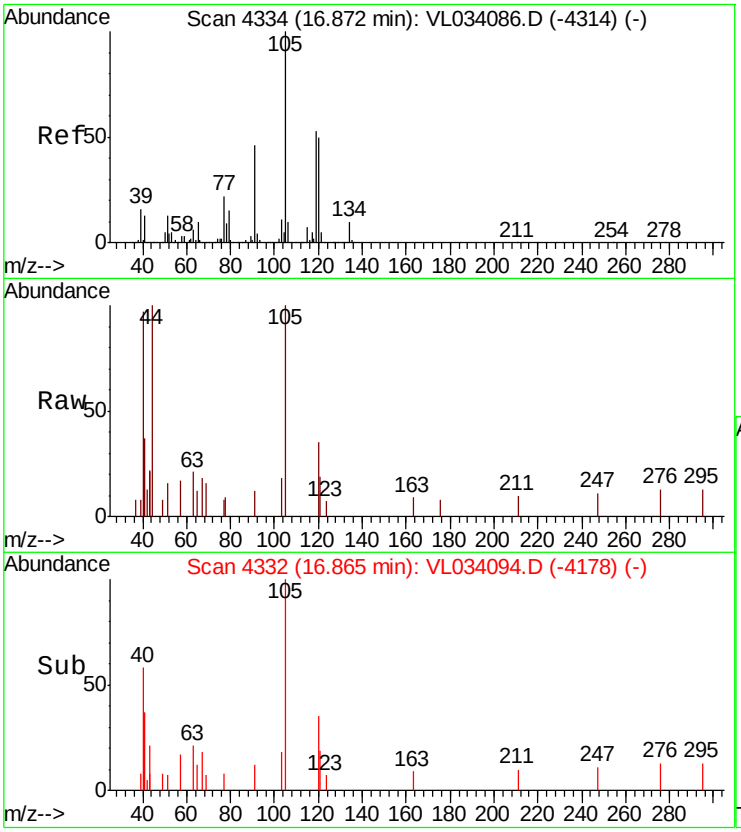


#73
1,3,5-Trimethylbenzene
Concen: 0.001 ppbv
RT: 16.09 min Scan# 4091
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:105 Resp: 335

Ion	Ratio	Lower	Upper
105	100		
120	36.7	39.0	58.4#



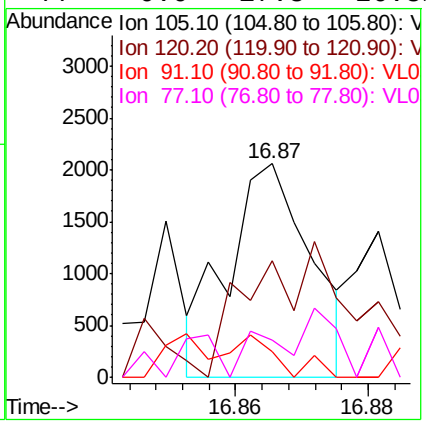


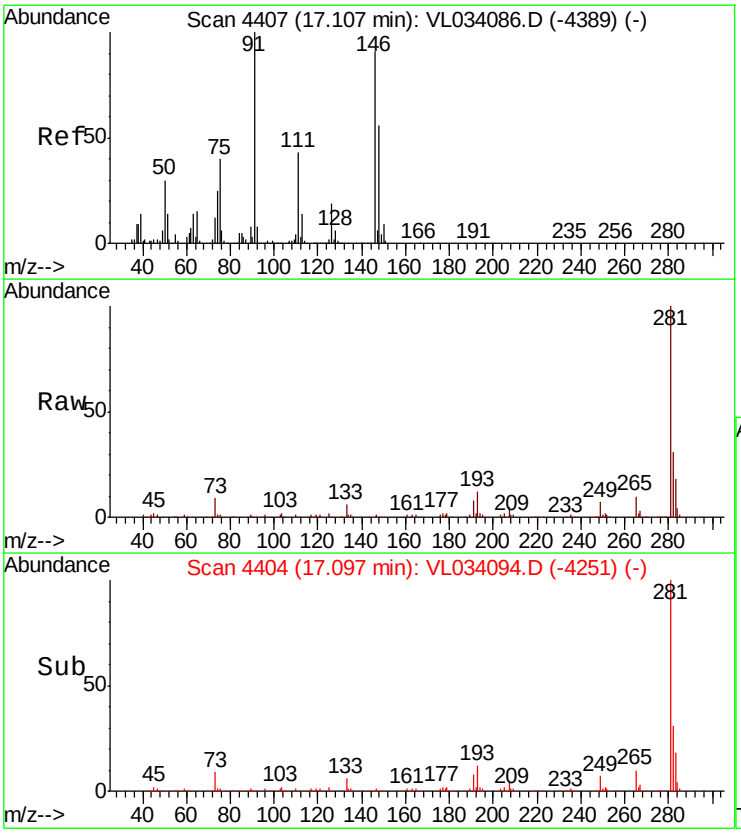
#74
1,2,4-Trimethylbenzene
Concen: 0.005 ppbv
RT: 16.87 min Scan# 4332
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:105 Resp: 1793

Ion	Ratio	Lower	Upper
105	100		
120	65.5	40.2	60.4#
91	16.7	38.1	57.1#
77	0.0	17.8	26.8#

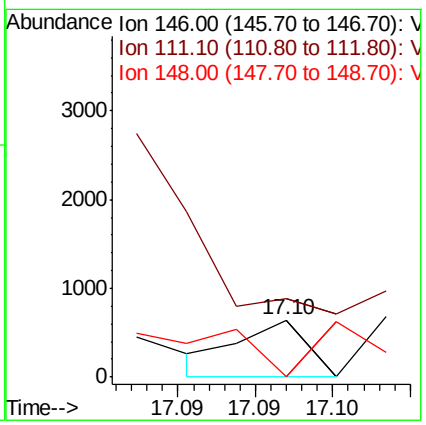


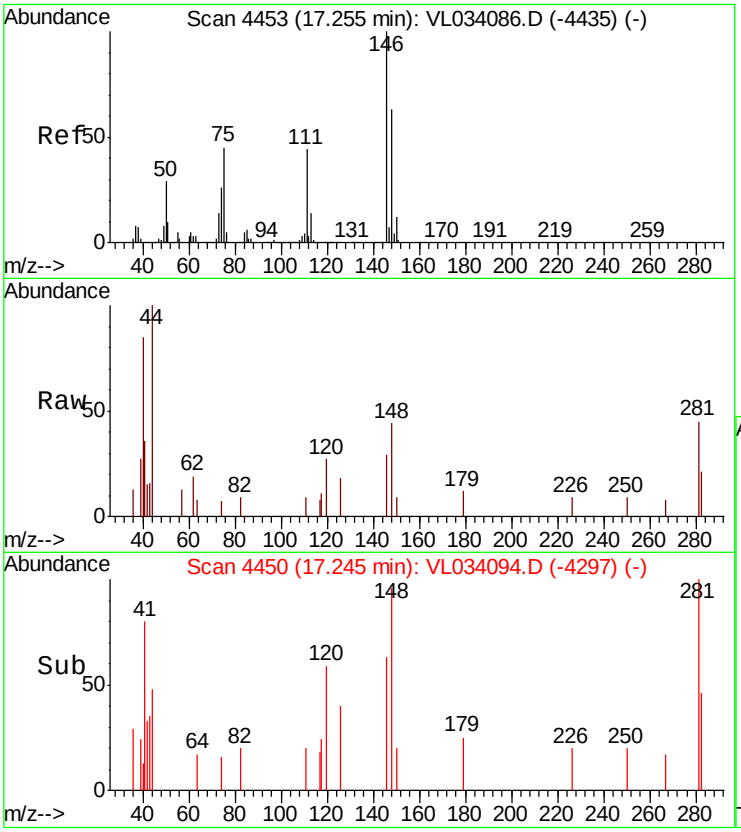


#75
1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 17.10 min Scan# 4404
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:146 Resp: 195

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.8	71.5#
148	0.0	32.4	97.2#



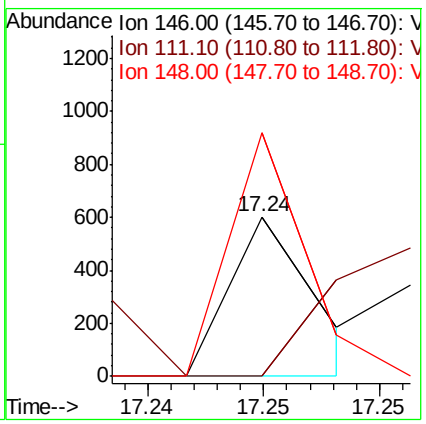


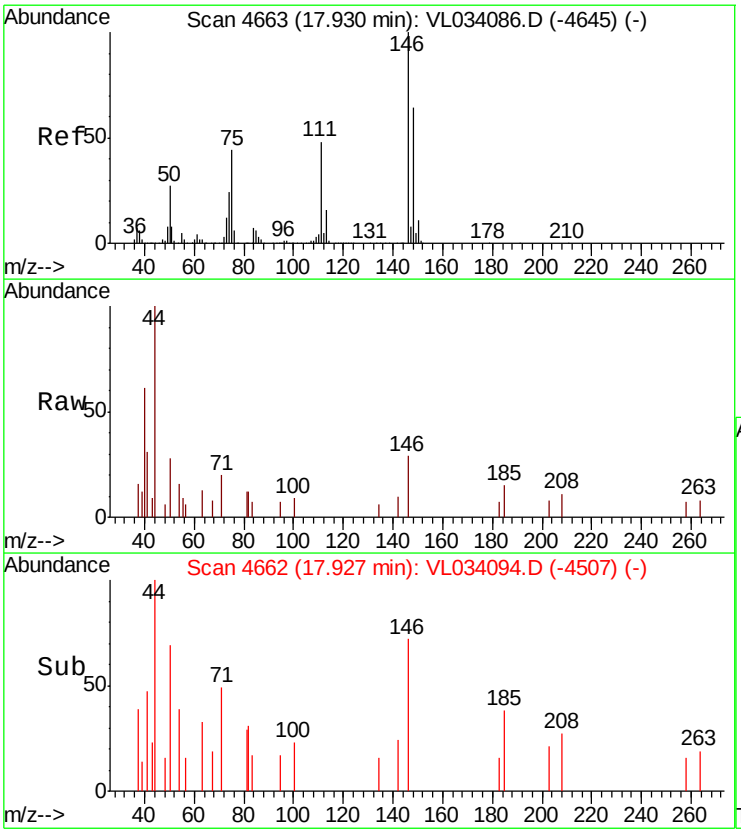
#76
1,4-Dichlorobenzene
Concen: 0.001 ppbv
RT: 17.24 min Scan# 4450
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:146 Resp: 152

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.2	69.5#
148	0.0	32.1	96.5#

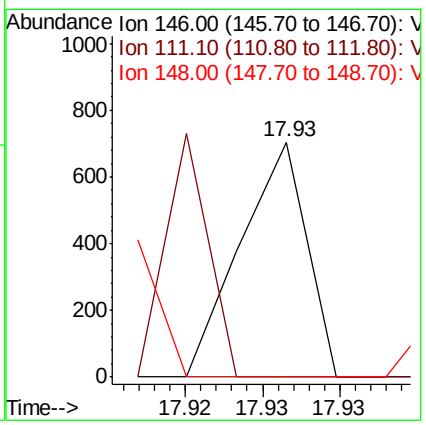


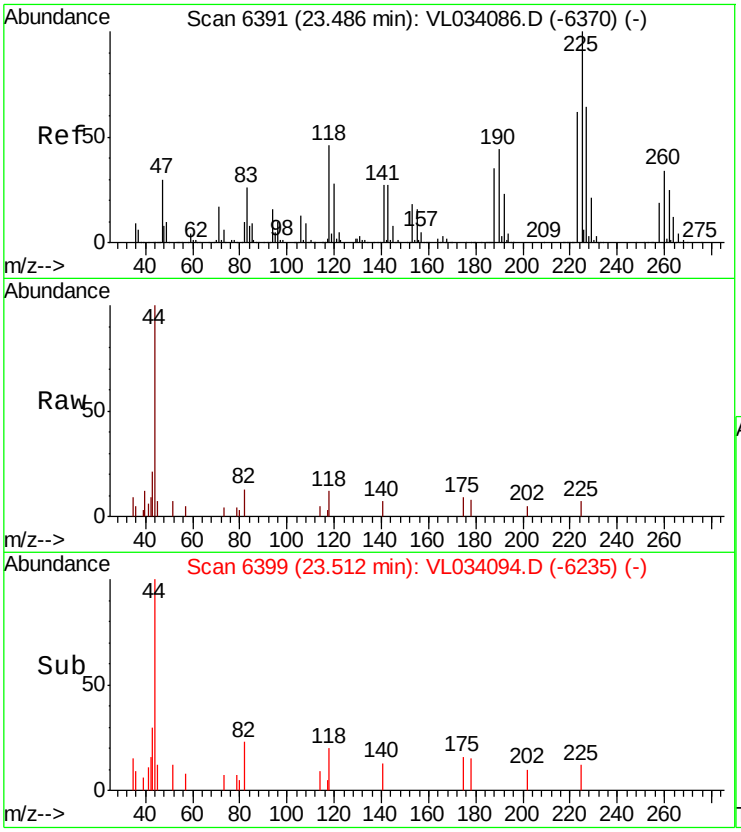


#77
1,2-Dichlorobenzene
Concen: 0.001 ppbv
RT: 17.93 min Scan# 4662
Delta R.T. -0.00 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:146 Resp: 209

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.0	72.0#
148	115.3	31.9	95.7#



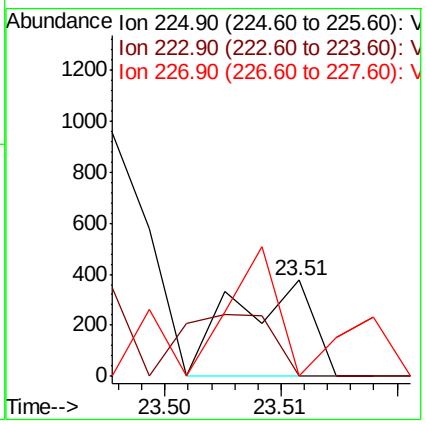


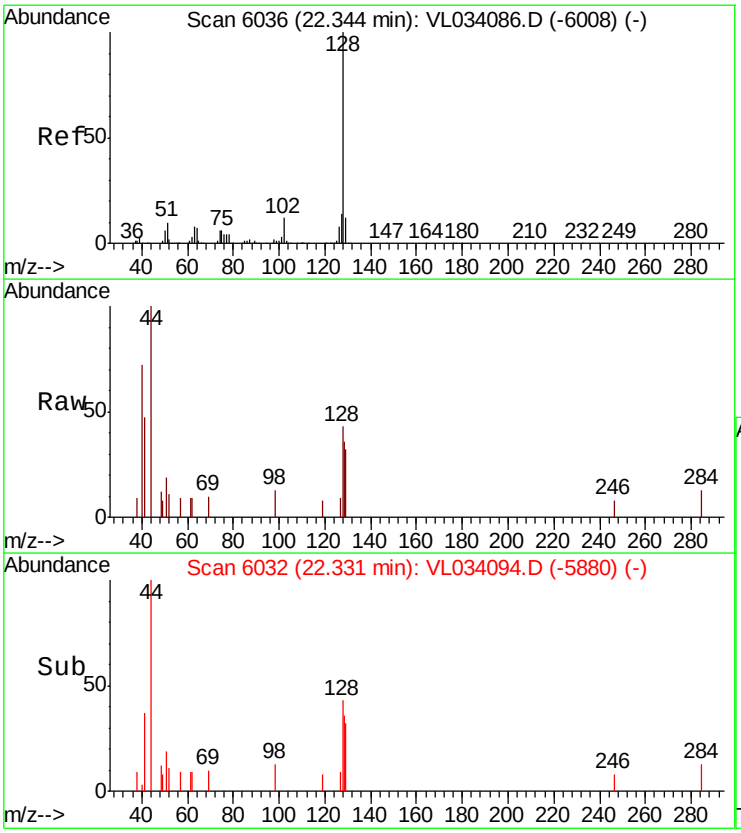
#78
Hexachloro-1,3-Butadiene
Concen: 0.001 ppbv
RT: 23.51 min Scan# 6399
Delta R.T. 0.03 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:225 Resp: 177

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.8	76.2
227	61.6	52.2	78.2

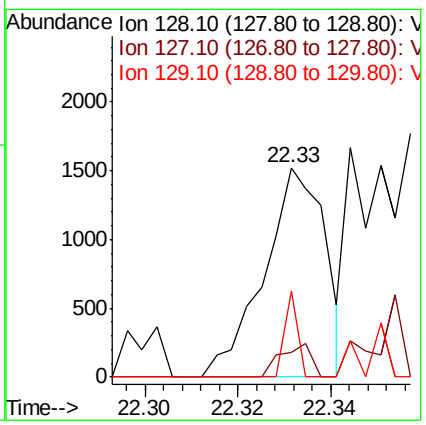


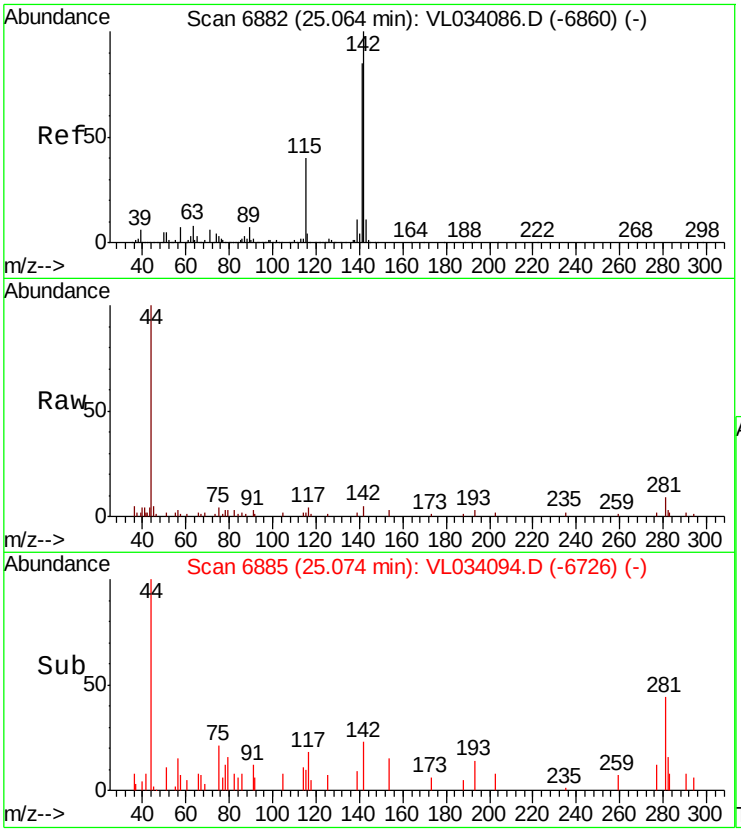


#79
Naphthalene
Concen: 0.003 ppbv
RT: 22.33 min Scan# 6032
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:128 Resp: 1392

Ion	Ratio	Lower	Upper
128	100		
127	11.6	11.0	16.6
129	41.0	9.2	13.8#



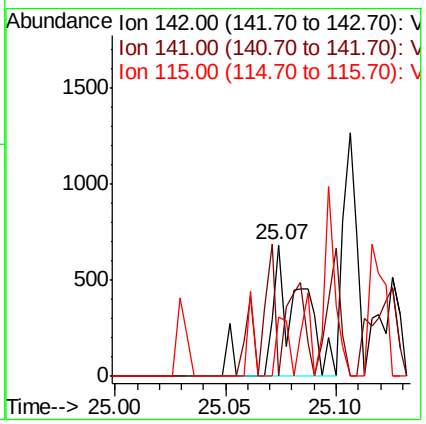


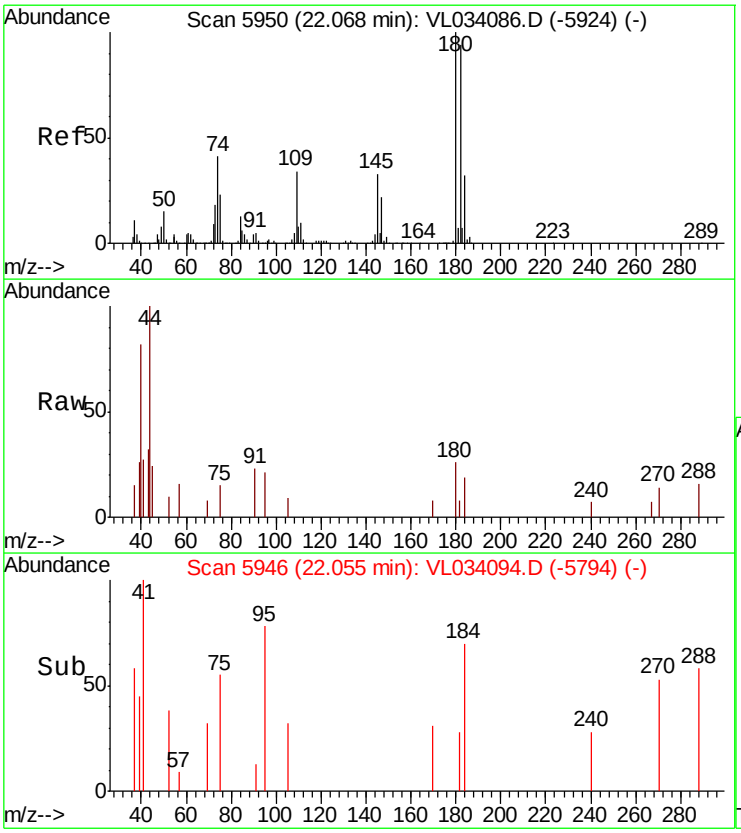
#80
Naphthalene,2-methyl-
Concen: 0.005 ppbv
RT: 25.07 min Scan# 6885
Delta R.T. 0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Instrument :
MSVOA_L
ClientSampleId :
VL0805ABL01

Tgt Ion:142 Resp: 634

Ion	Ratio	Lower	Upper
142	100		
141	94.0	66.1	99.1
115	31.4	30.8	46.2





#81
1,2,4-Trichlorobenzene
Concen: 0.001 ppbv
RT: 22.05 min Scan# 5946
Delta R.T. -0.01 min
Lab File: VL034094.D
Acq: 5 Aug 2019 20:29

Tgt Ion:180 Resp: 260

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