Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030920\

Quantitation Report (Not Reviewed)

Data File : VL034859.D
Acq On : 10 Mar 2020 4:21
Operator : SY/AP
Sample : L1161-13 0.1 LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:12:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	879204	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	1967025	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	1916548	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1557729	10.42	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.15	85	15279	0.127	ppbv		94
3) Chlorodifluoromethane	2.95	51	10961	0.112	ppbv	#	85
4) Chloromethane	3.11	50	3994	0.072	ppbv		89
5) Vinyl Chloride	3.22	62	4620	0.087	ppbv		94
6) Bromomethane	3.43	94	1378	0.044	ppbv	#	62
7) Chloroethane	3.51	64	480	0.025	ppbv	#	44
8) Dichlorotetrafluoroethane	3.15	85	15279	0.122	ppbv		100
9) Propene	2.97	41	5205	0.111	ppbv		96
10) Heptane	8.12	43	8395	0.073	ppbv	#	73
11) Trichlorofluoromethane	3.92	101	14310	0.112	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	6599	0.074	ppbv	#	35
13) Ethanol	3.58	45	400	0.028	ppbv	#	35
14) Bromoethene	3.71	108	2094	0.054	ppbv	#	1
15) Acetone	3.84	43	11761	0.103	ppbv	#	49
16) 1,3-Butadiene	3.29	39	4908	0.095	ppbv		90
17) tert-Butyl alcohol	4.30	59	13754	0.125	ppbv	#	94
18) 1,1-Dichloroethene	4.26	96	406	0.010	ppbv	#	1
20) Methylene Chloride	4.31	84	2404	0.067	ppbv		91
21) Allyl Chloride	4.38	41	3883	0.053	ppbv	#	15
22) trans-1,2-Dichloroethene	4.87	96	4421	0.110	ppbv	#	73
23) Vinyl Acetate	5.06	43	5797	0.034	ppbv	#	86
24) 1,1-Dichloroethane	4.99	63	12763	0.113	ppbv		97
25) Ethyl Acetate	5.67	43	10022	0.049	ppbv	#	69
26) Hexane	5.66	57	2796	0.032	ppbv	#	1
27) Carbon Disulfide	4.52	76	2236	0.023	ppbv	#	2
28) Methyl tert-Butyl Ether	5.03	73	5305	0.036	ppbv	#	53
29) Chloroform	5.74	83	10657	0.080	ppbv		90
30) Cyclohexane	7.12	84	1964	0.027	ppbv	#	1
31) cis-1,2-Dichloroethene	5.53	61	2741	0.031	ppbv	#	71
32) 1,1,1-Trichloroethane	6.50	97	7331	0.056	ppbv	#	22
35) Carbon Tetrachloride	7.02	117	4107	0.034	ppbv	#	77
36) Benzene	6.89	78	6771	0.039	ppbv	#	78
37) 1,2-Dichloroethane	6.29	62	7621	0.077	ppbv	#	81
38) Trichloroethene	7.84	130	3255	0.049	ppbv	#	38
39) 1,2-Dichloropropane	7.17	63	519185	7.474	ppbv	#	24
42) Bromodichloromethane	7.79	83	3482	0.026	ppbv	#	24
43) Methyl Methacrylate	8.02	69	2500	0.034	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.87	57	17950	0.061	ppbv	#	63
45) t-1,3-Dichloropropene	9.28	75	2024	0.023	ppbv		90
46) cis-1,3-Dichloropropene	8.71	75	2548	0.025	ppbv	#	81
47) 1,1,2-Trichloroethane	9.49	97	5641	0.079	ppbv		92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030920\

Quantitation Report (Not Reviewed)

Data File : VL034859.D
Acq On : 10 Mar 2020 4:21
Operator : SY/AP
Sample : L1161-13 0.1 LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:12:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) Dibromochloromethane	10.33	129	1638	0.014	ppbv	#	1
49) Bromoform	13.07	173	1313	0.013	ppbv	#	1
51) 2-Hexanone	10.18	43	3078	0.020	ppbv	#	29
52) Tetrachloroethene	11.26	164	1523	0.022	ppbv		91
53) Toluene	9.82	91	11093	0.055	ppbv	#	53
54) 1,2-Dibromoethane	10.63	107	3554	0.033	ppbv	#	77
56) 1,1,1,2-Tetrachloroethane	12.15	131	3308	0.038	ppbv	#	1
57) Chlorobenzene	12.17	112	7213	0.048	ppbv	#	82
58) Ethyl Benzene	12.98	91	4543	0.018	ppbv		94
59) m/p-Xylene	13.02	91	8280	0.038	ppbv	#	30
60) o-Xylene	13.72	91	2902	0.014	ppbv	#	1
61) Styrene	13.56	104	1755	0.012	ppbv	#	28
62) Isopropylbenzene	14.69	105	8511	0.027	ppbv	#	1
63) 1,1,2,2-Tetrachloroethane	13.70	83	5396	0.037	ppbv	#	1
64) n-propylbenzene	15.59	120	1259	0.015	ppbv	#	1
65) tert-Butylbenzene	16.77	119	5075	0.018	ppbv	#	18
66) Benzyl Chloride	17.02	91	1857	0.016	ppbv	#	68
69) p-Isopropyltoluene	17.69	119	5348	0.016	ppbv	#	1
70) n-Butylbenzene	18.58	91	5139	0.015	ppbv	#	32
71) 2-Chlorotoluene	15.49	91	15542	0.064	ppbv		76
72) 4-Ethyltoluene	15.87	105	7668	0.031	ppbv	#	55
73) 1,3,5-Trimethylbenzene	16.03	105	7578	0.032	ppbv	#	74
74) 1,2,4-Trimethylbenzene	16.80	105	4583	0.019	ppbv	#	79
75) 1,3-Dichlorobenzene	17.03	146	5817	0.040	ppbv	#	1
76) 1,4-Dichlorobenzene	17.17	146	2679	0.018	ppbv	#	23
77) 1,2-Dichlorobenzene	17.85	146	1620	0.011	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.42	225	6436	0.055	ppbv	#	3
81) 1,2,4-Trichlorobenzene	21.99	180	1703	0.014	ppbv	#	1

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

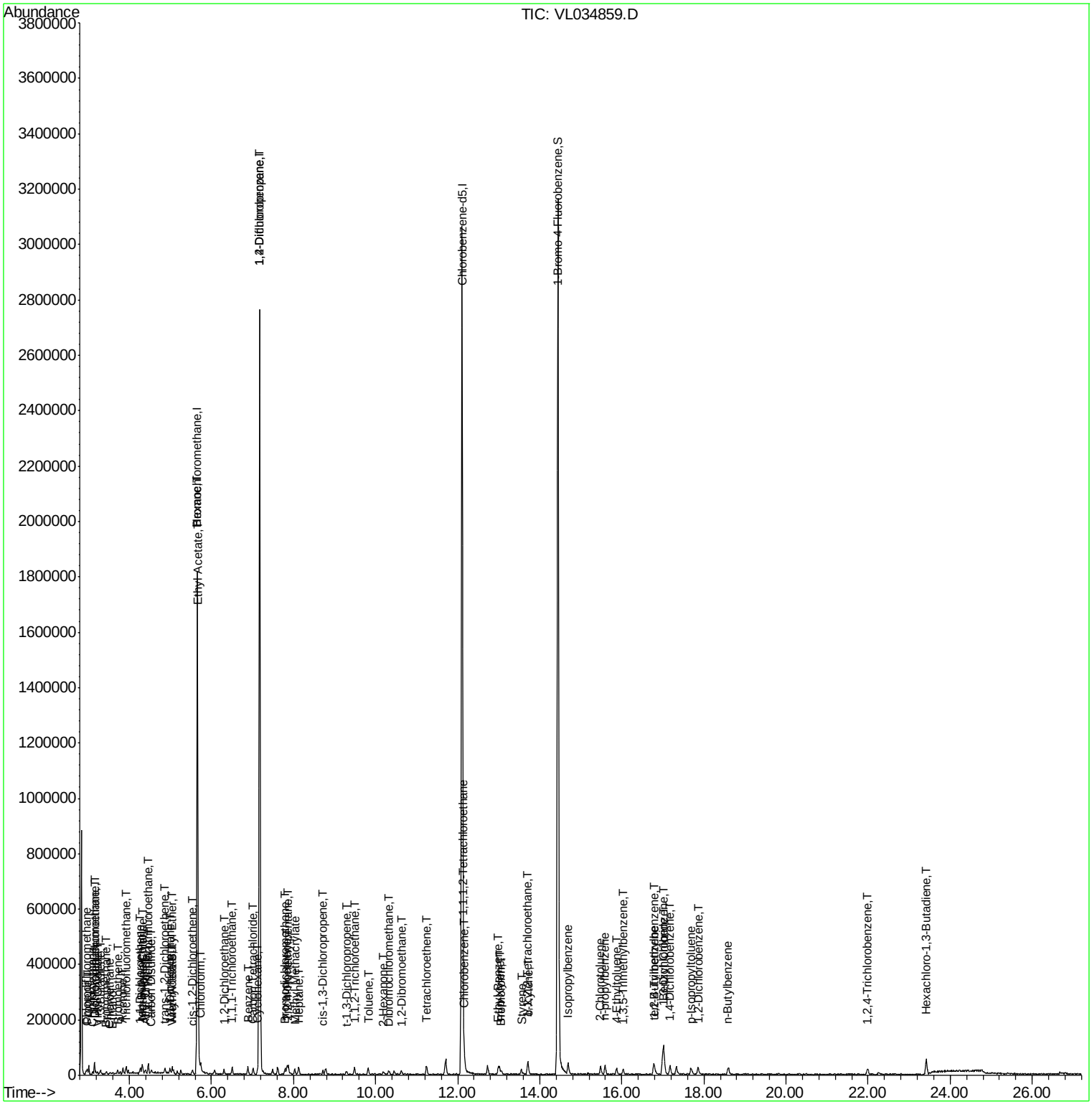
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030920\

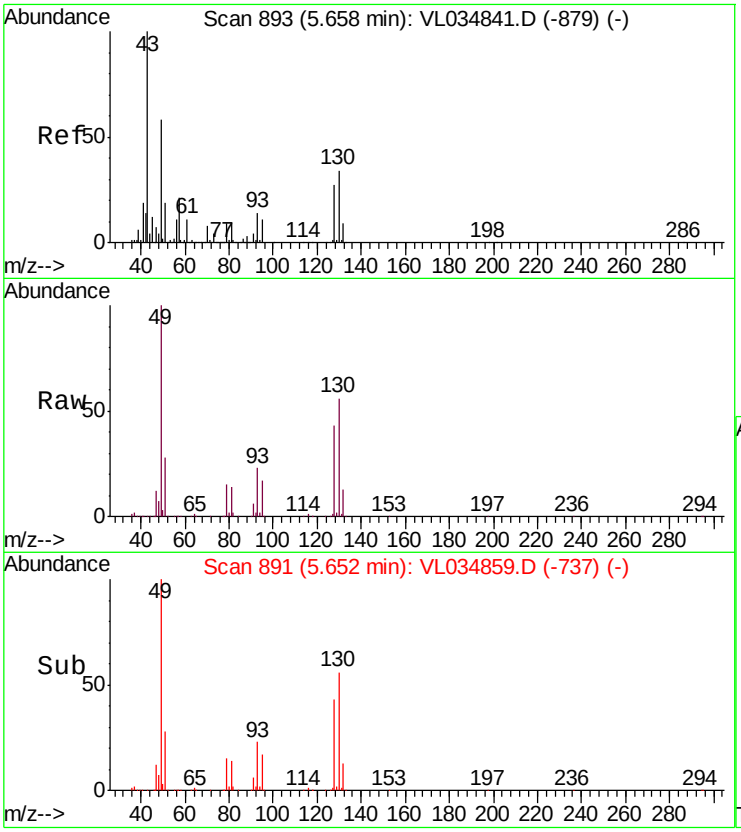
Quantitation Report (Not Reviewed)

Data File : VL034859.D
Acq On : 10 Mar 2020 4:21
Operator : SY/AP
Sample : L1161-13 0.1 LOD
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 11 04:12:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration



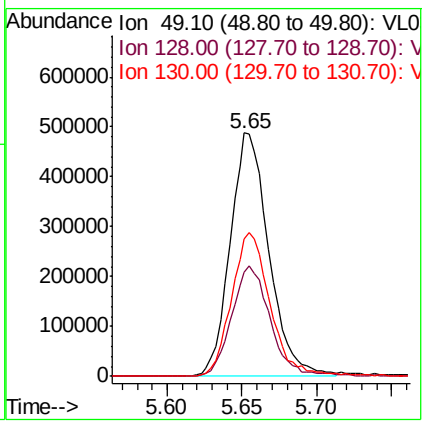


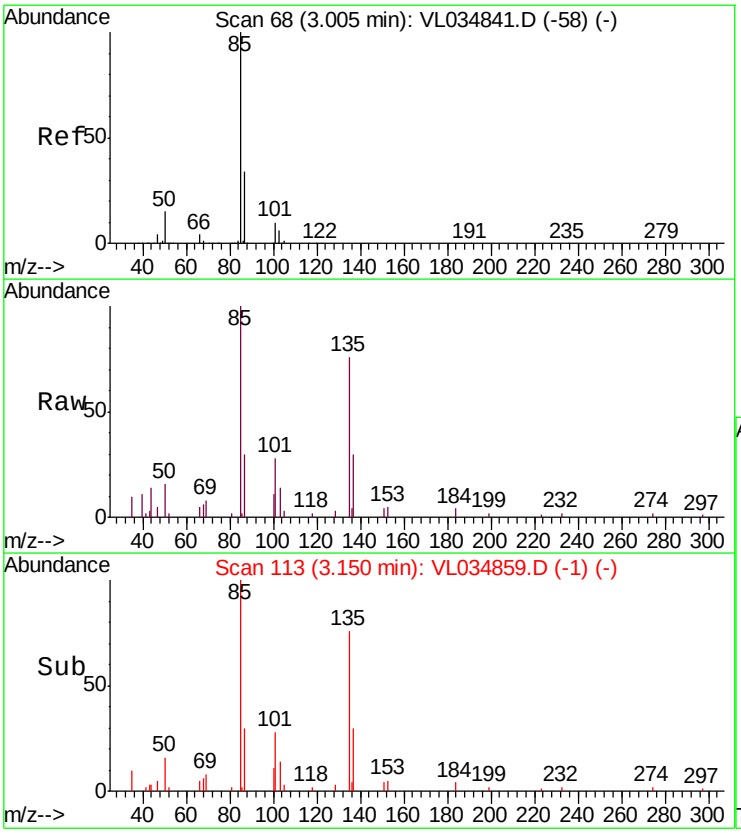
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 879204

Ion	Ratio	Lower	Upper
49	100		
128	45.6	23.4	70.3
130	59.6	30.0	90.0

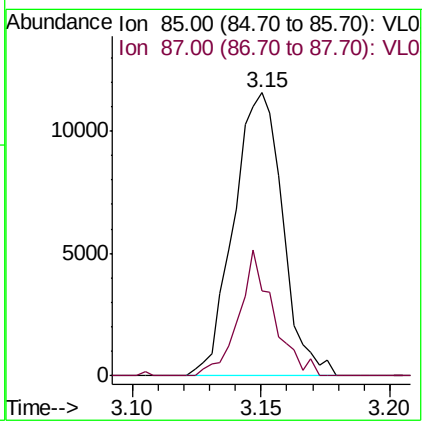


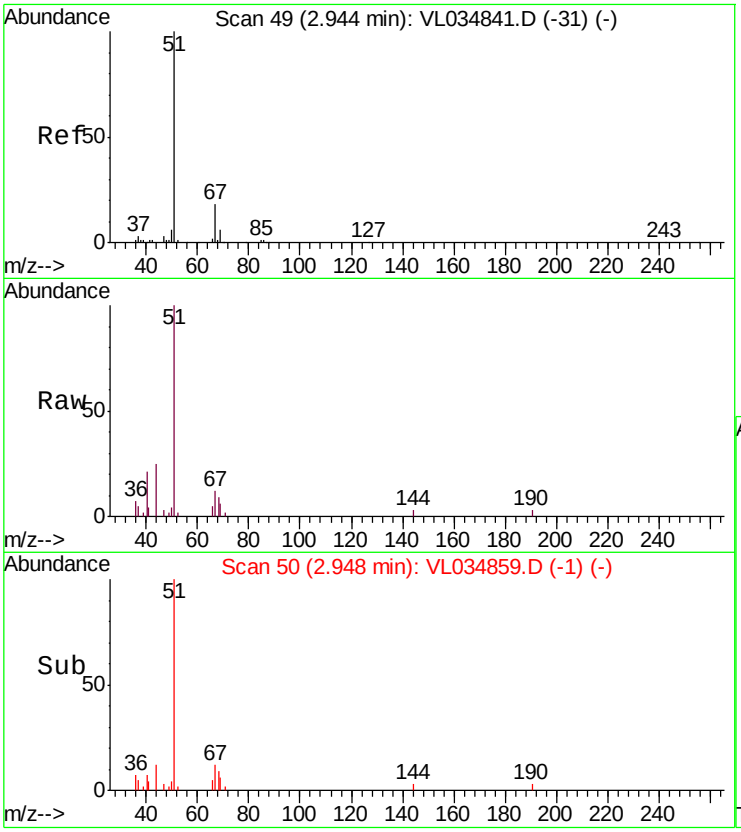


#2
Dichlorodifluoromethane
Concen: 0.127 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.14 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 85 Resp: 15279

Ion	Ratio	Lower	Upper
85	100		
87	30.2	26.9	40.3



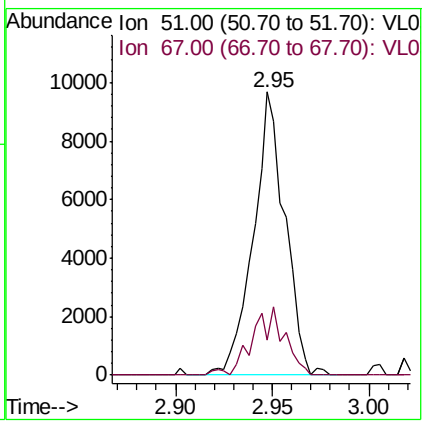


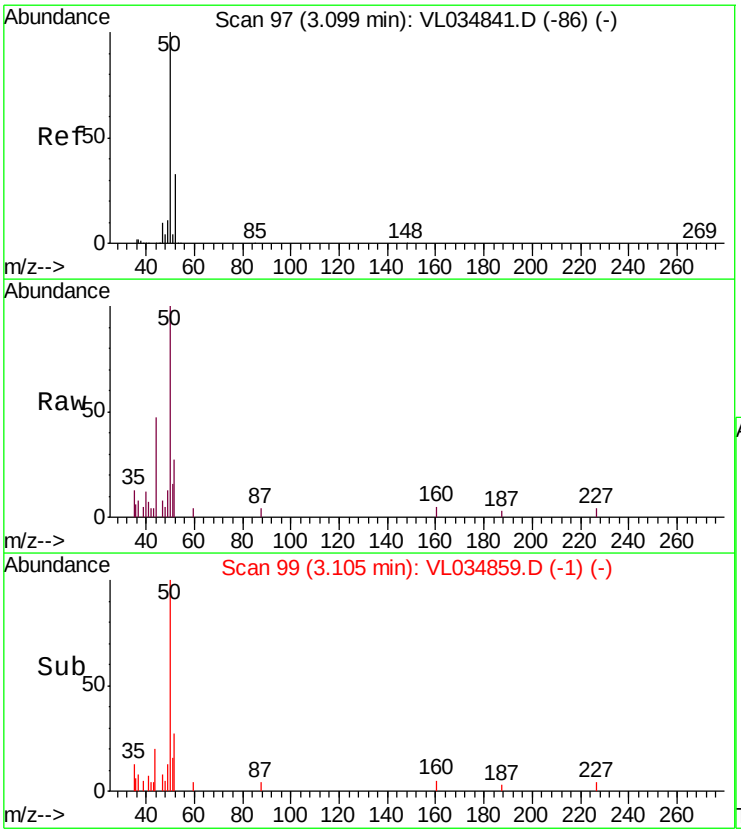
#3
Chlorodifluoromethane
Concen: 0.112 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 10961

Ion	Ratio	Lower	Upper
51	100		
67	24.6	14.3	21.5#

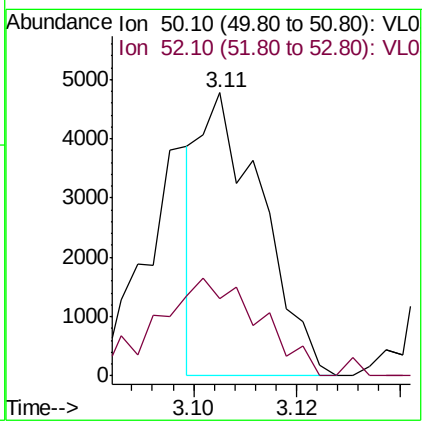


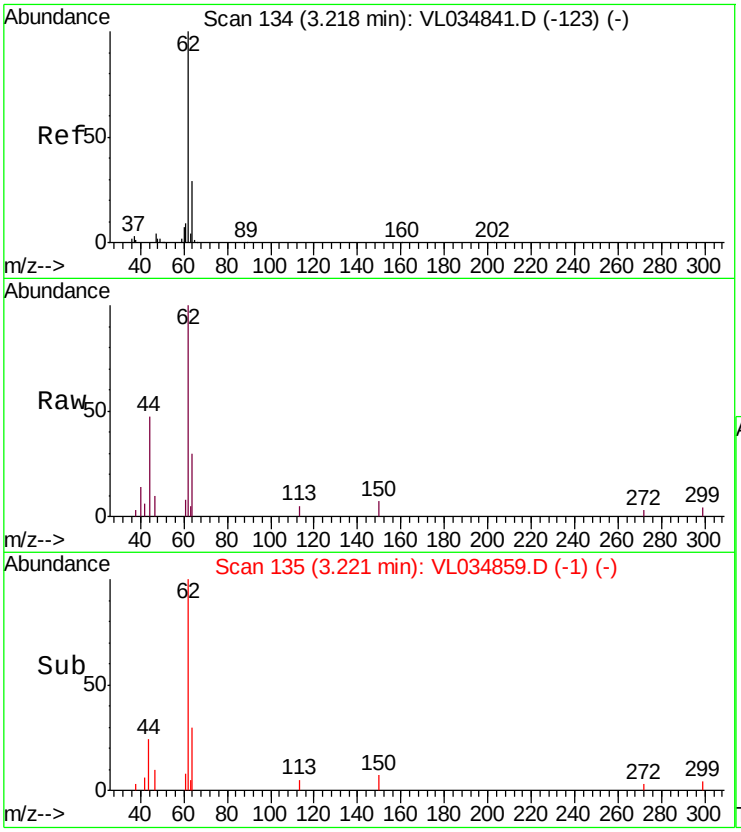


#4
Chloromethane
Concen: 0.072 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 50 Resp: 3994

Ion	Ratio	Lower	Upper
50	100		
52	27.4	26.8	40.2



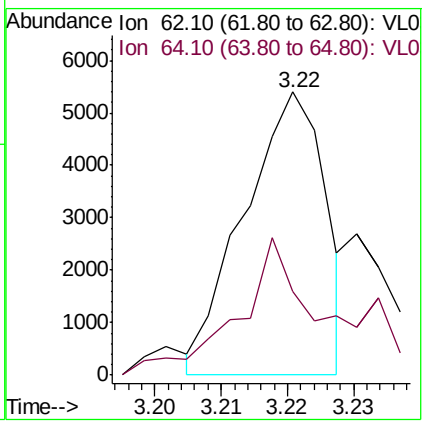


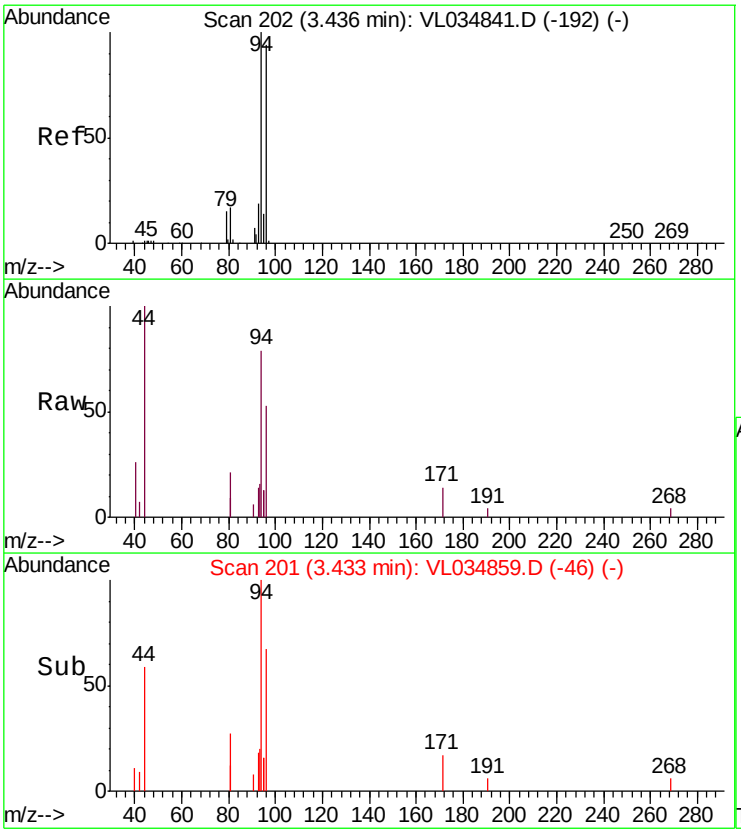
#5
Vinyl Chloride
Concen: 0.087 ppbv
RT: 3.22 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 4620

Ion	Ratio	Lower	Upper
62	100		
64	25.7	23.0	34.4

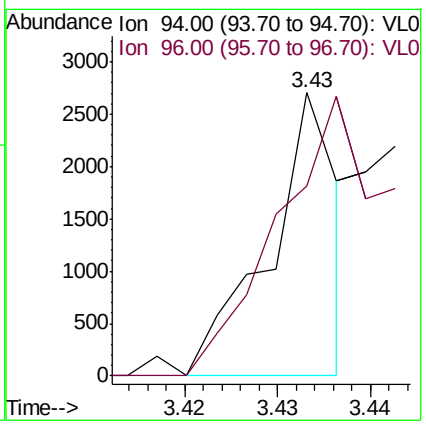


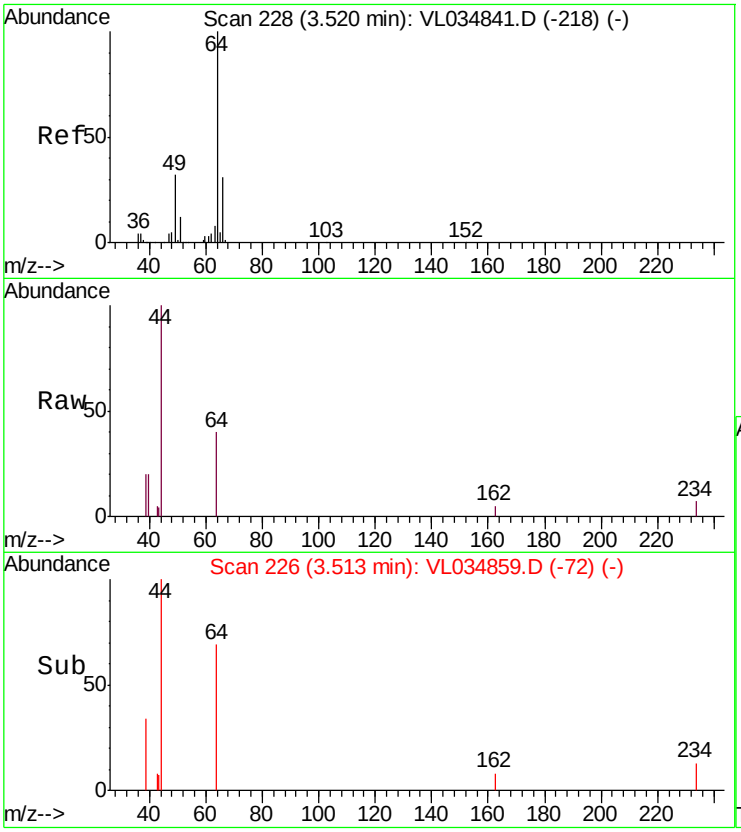


#6
Bromomethane
Concen: 0.044 ppbv
RT: 3.43 min Scan# 201
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 94 Resp: 1378

Ion	Ratio	Lower	Upper
94	100		
96	57.8	75.5	113.3#



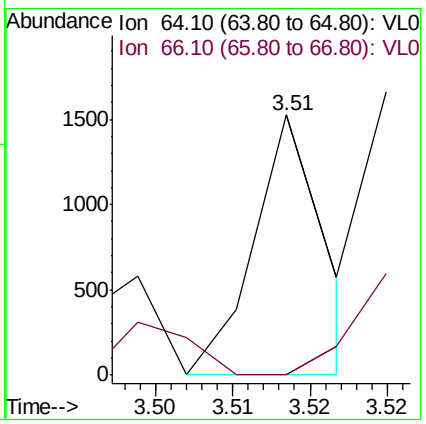


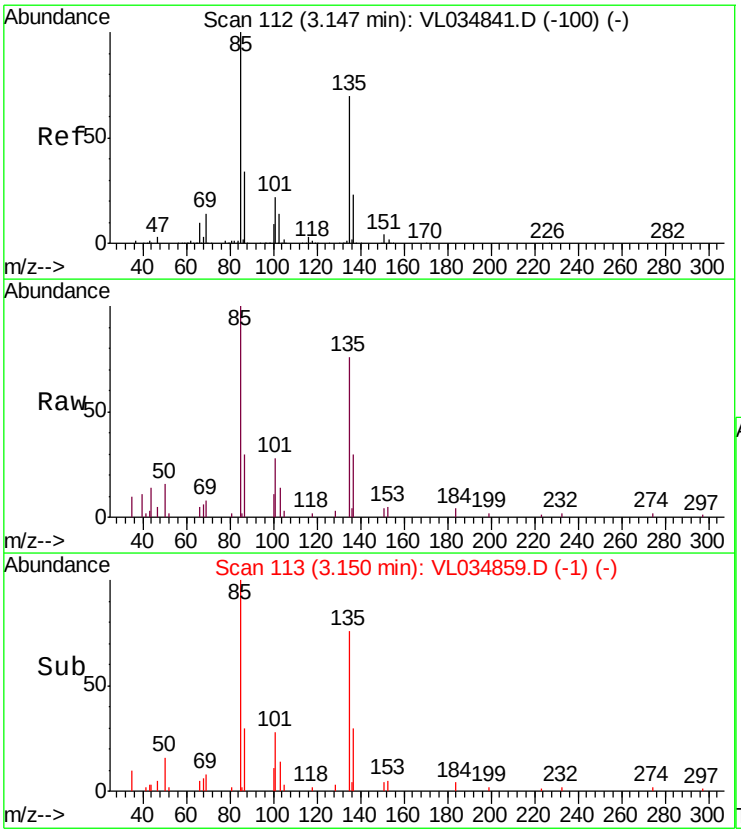
#7
Chloroethane
Concen: 0.025 ppbv
RT: 3.51 min Scan# 226
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 480

Ion	Ratio	Lower	Upper
64	100		
66	0.0	24.8	37.2#

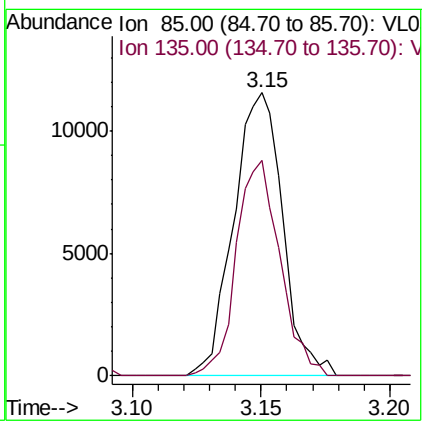


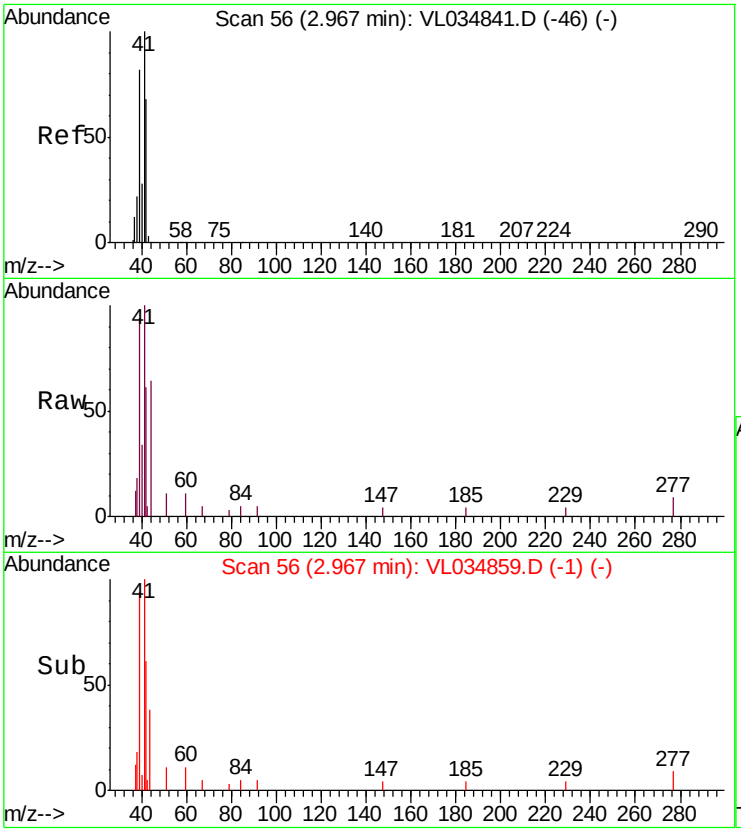


#8
Dichlorotetrafluoroethane
Concen: 0.122 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 85 Resp: 15279

Ion	Ratio	Lower	Upper
85	100		
135	67.9	54.3	81.5



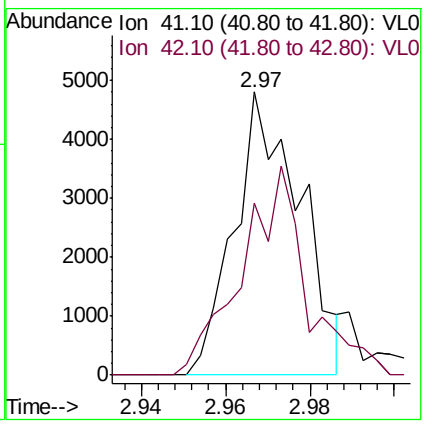


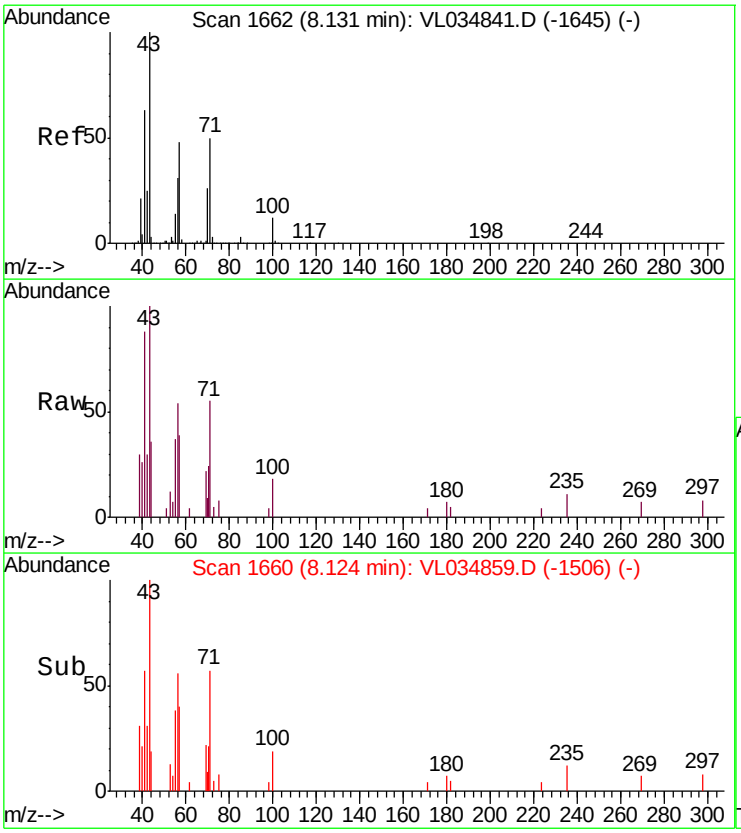
#9
Propene
Concen: 0.111 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 5205

Ion	Ratio	Lower	Upper
41	100		
42	72.6	55.2	82.8

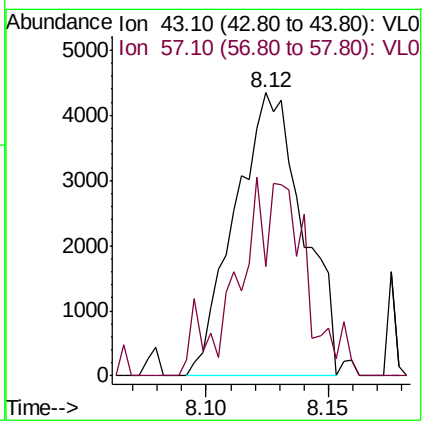


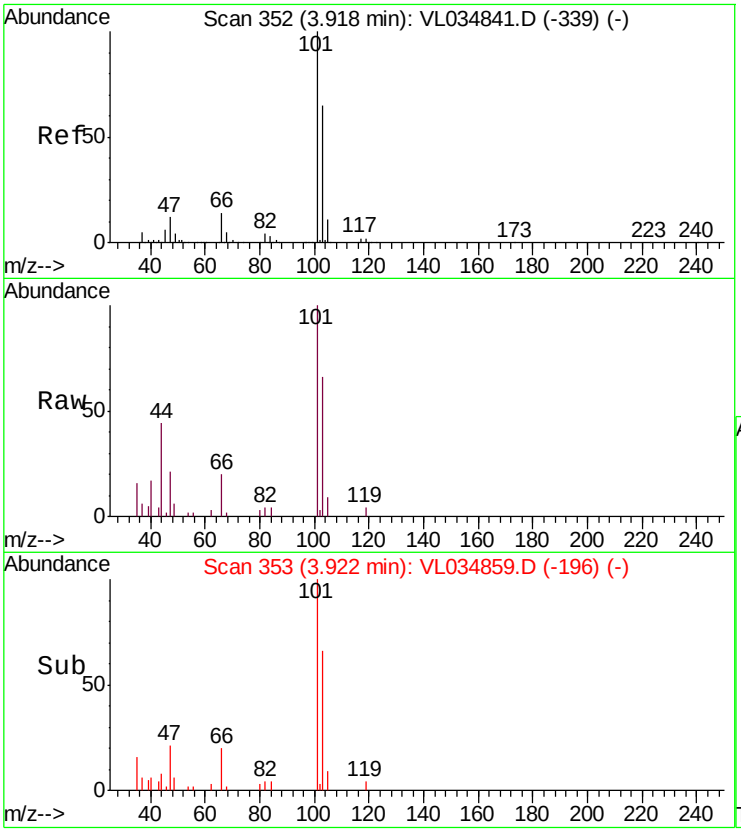


#10
Heptane
Concen: 0.073 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 43 Resp: 8395

Ion	Ratio	Lower	Upper
43	100		
57	68.4	39.7	59.5#



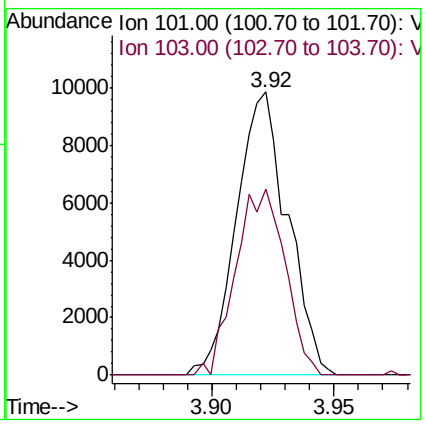


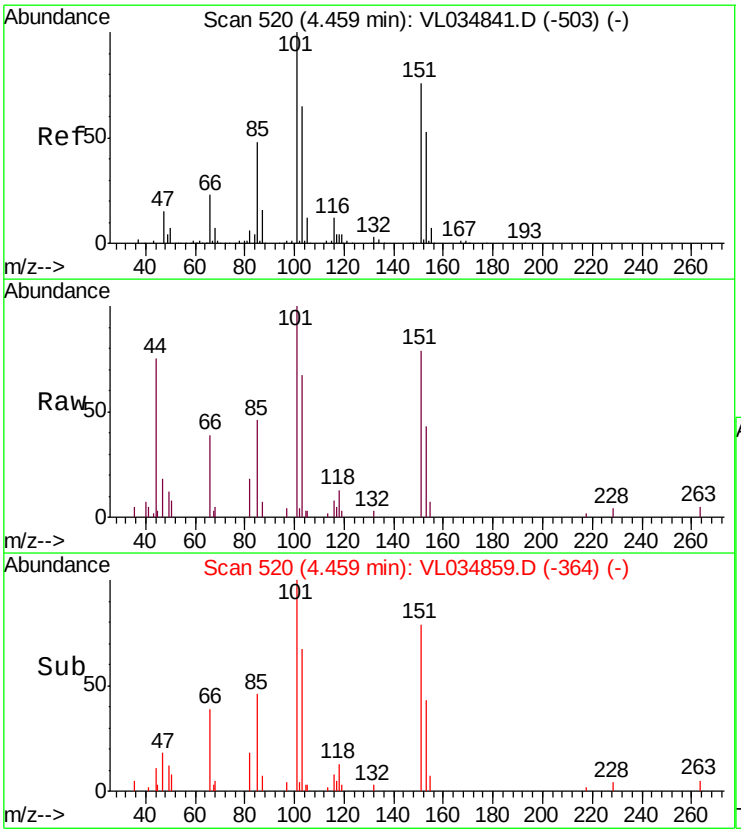
#11
Trichlorofluoromethane
Concen: 0.112 ppbv
RT: 3.92 min Scan# 353
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 14310

Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.8	77.8

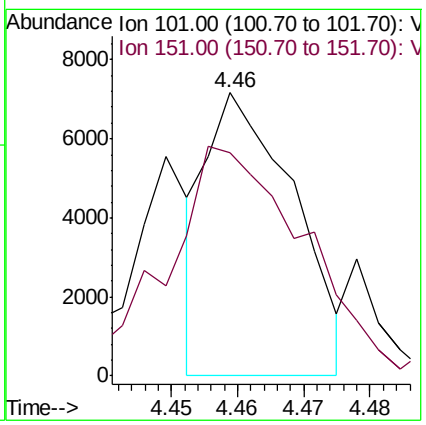


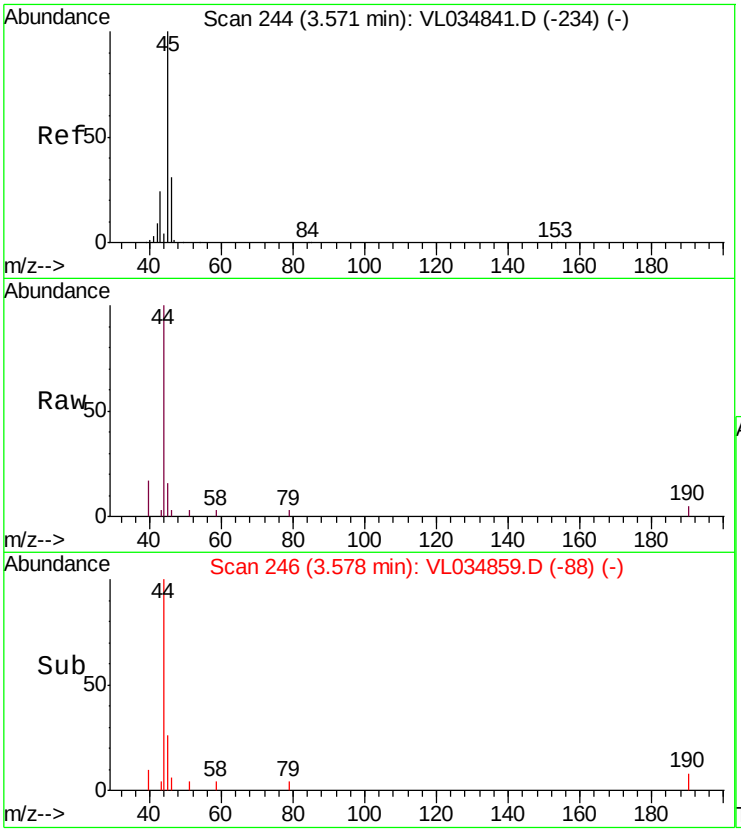


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.074 ppbv
RT: 4.46 min Scan# 520
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:101 Resp: 6599

Ion	Ratio	Lower	Upper
101	100		
151	131.9	60.8	91.2#



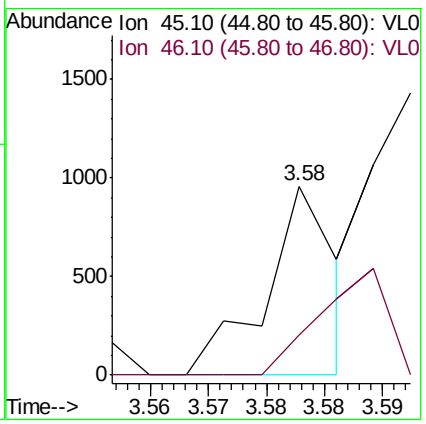


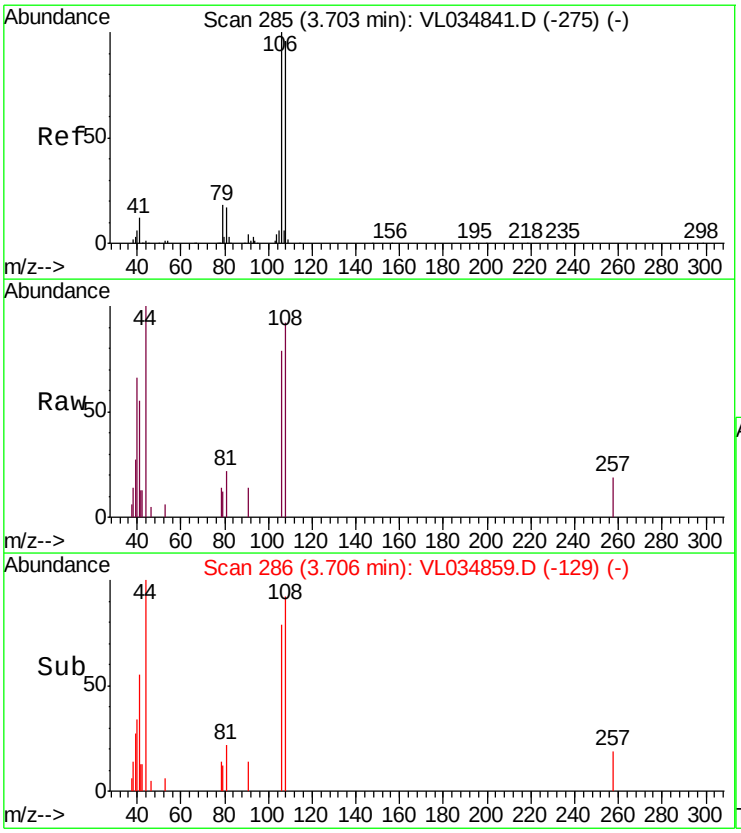
#13
Ethanol
Concen: 0.028 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 400

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.0	64.0#

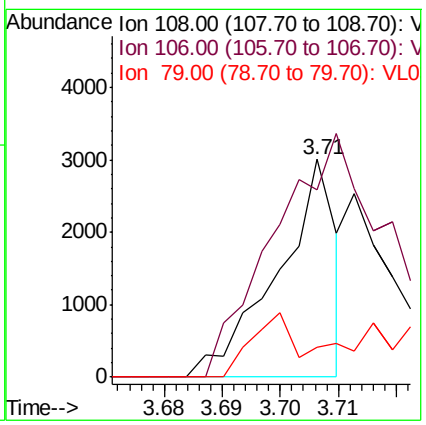


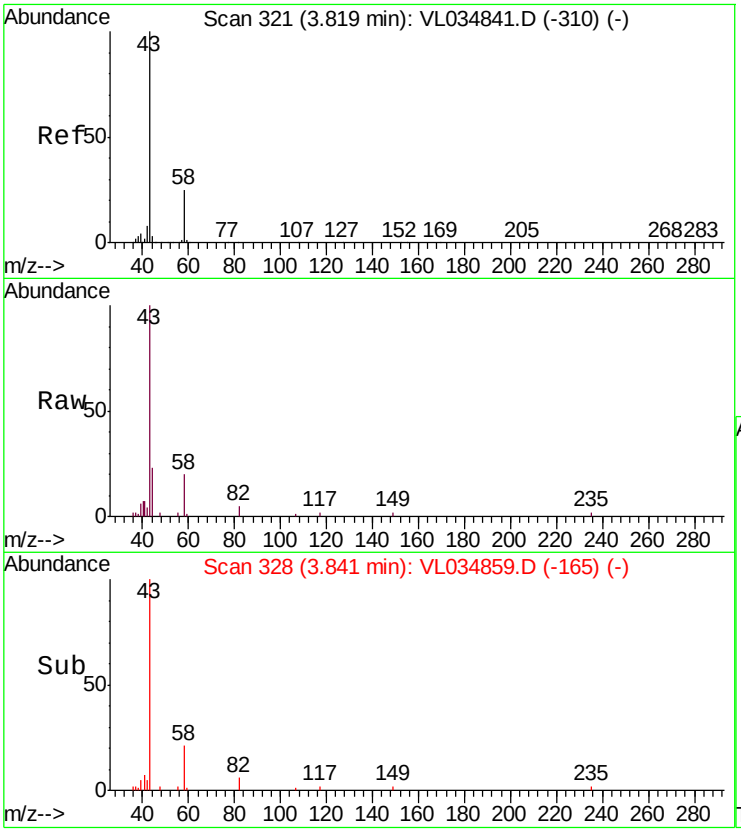


#14
Bromoethene
Concen: 0.054 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:108 Resp: 2094

Ion	Ratio	Lower	Upper
108	100		
106	0.0	85.1	127.7#
79	53.3	14.7	22.1#



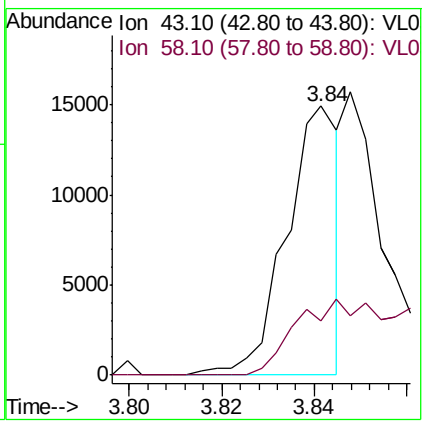


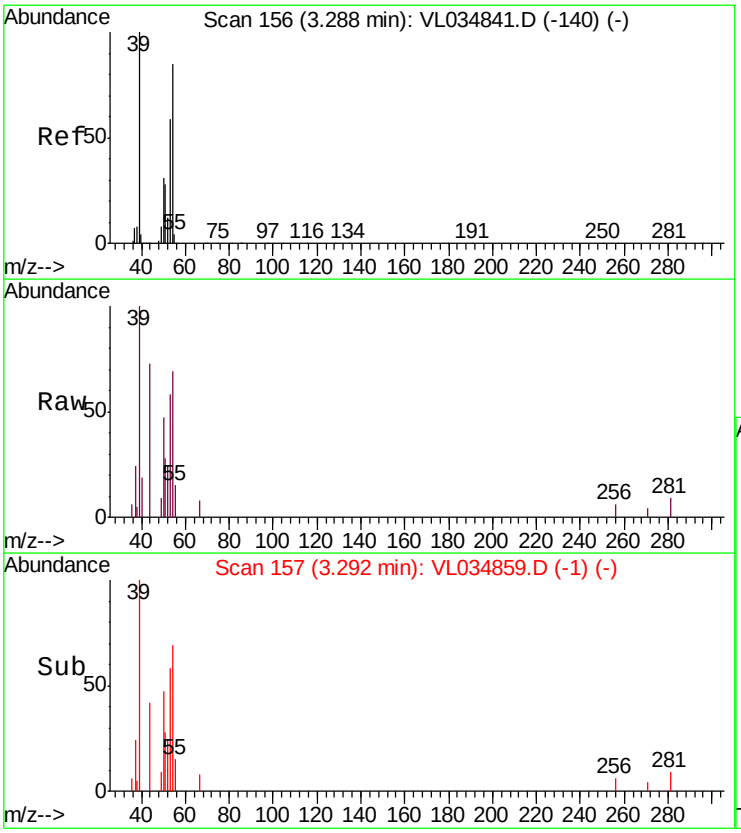
#15
Acetone
Concen: 0.103 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.02 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 11761

Ion	Ratio	Lower	Upper
43	100		
58	0.0	21.0	31.6#

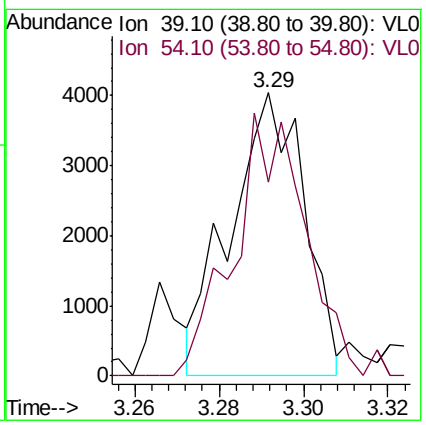


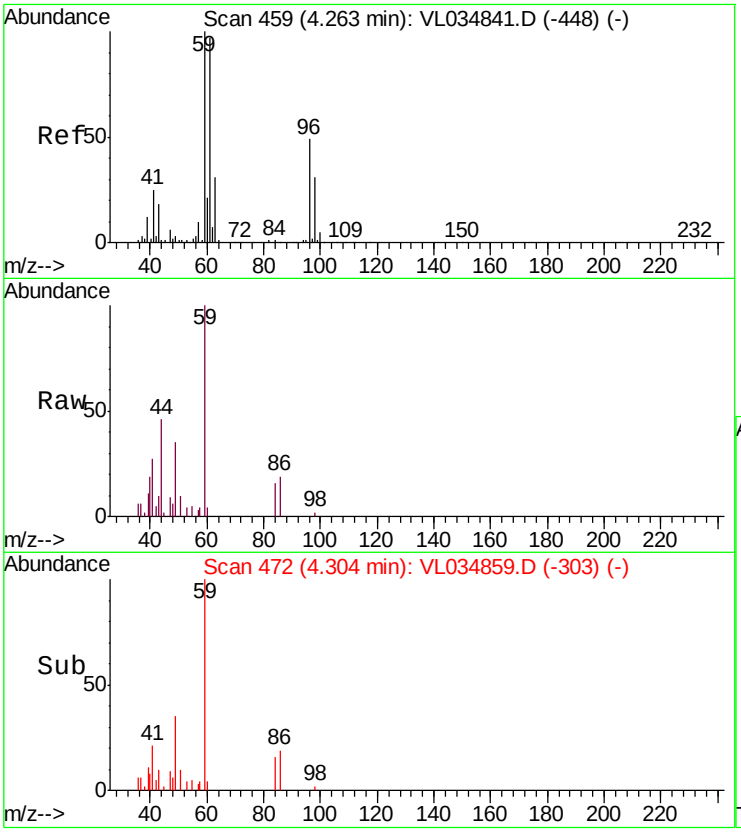


#16
1,3-Butadiene
Concen: 0.095 ppbv
RT: 3.29 min Scan# 157
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 39 Resp: 4908

Ion	Ratio	Lower	Upper
39	100		
54	90.4	65.0	97.6



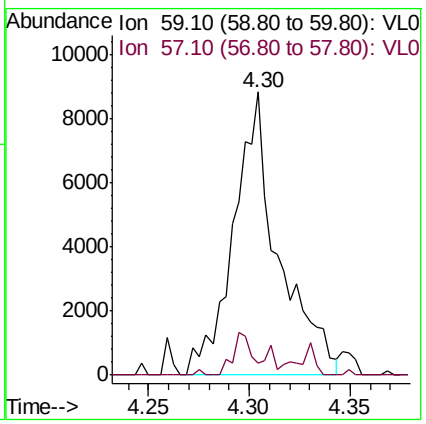


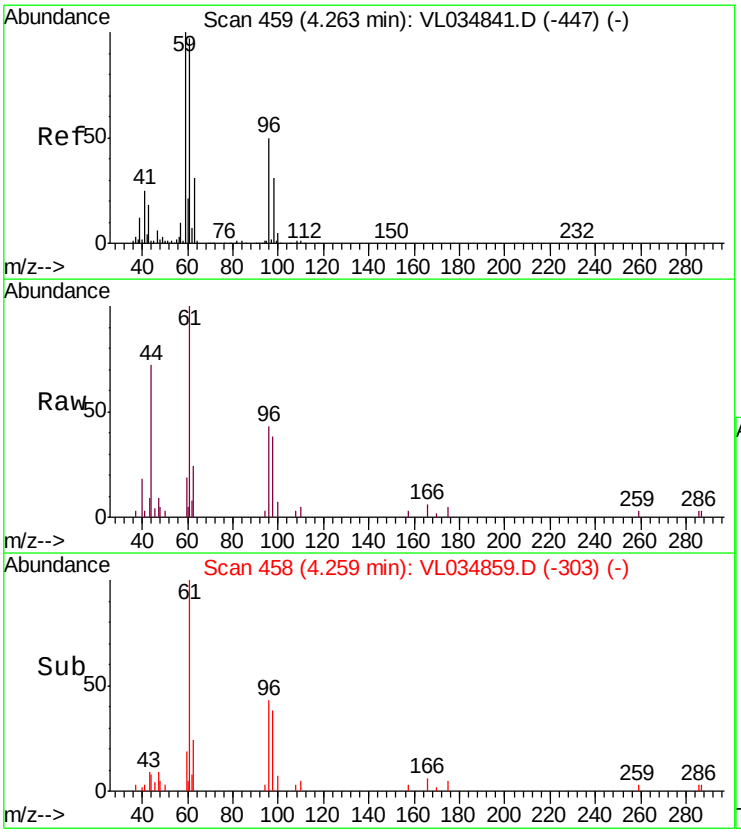
#17
tert-Butyl alcohol
Concen: 0.125 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.04 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 13754

Ion	Ratio	Lower	Upper
59	100		
57	12.5	8.3	12.5#

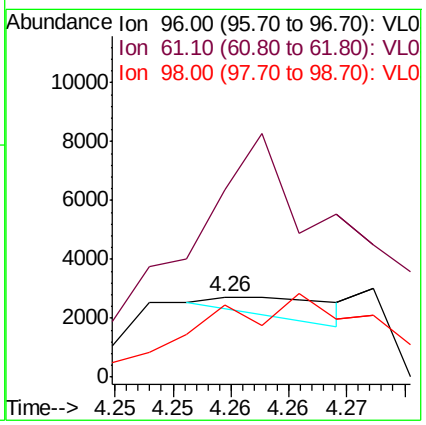


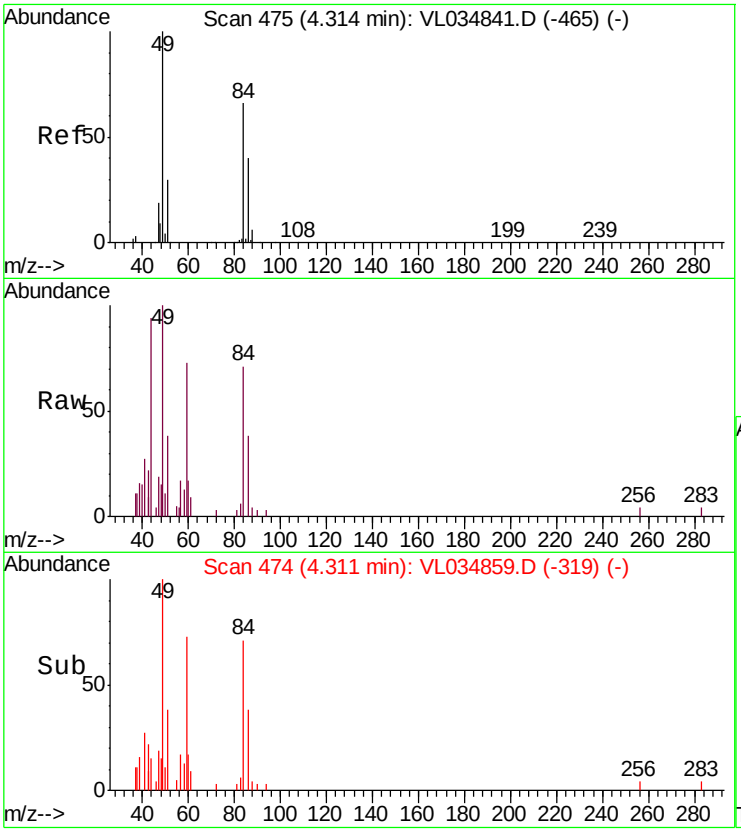


#18
1,1-Dichloroethene
Concen: 0.010 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 96 Resp: 406

Ion	Ratio	Lower	Upper
96	100		
61	1284.2	157.3	235.9#
98	526.2	50.2	75.4#



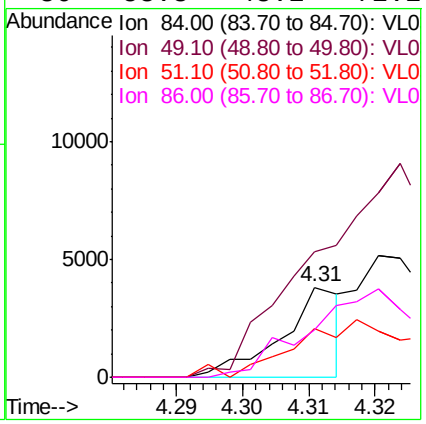


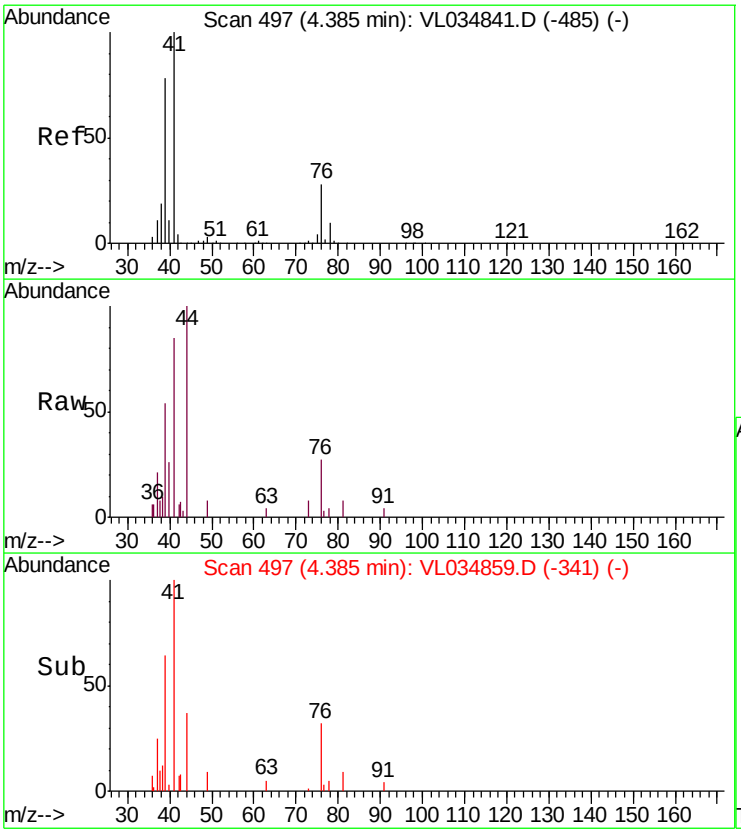
#20
Methylene Chloride
Concen: 0.067 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 2404

Ion	Ratio	Lower	Upper
84	100		
49	140.7	121.5	182.3
51	53.8	36.6	55.0
86	53.3	48.2	72.2

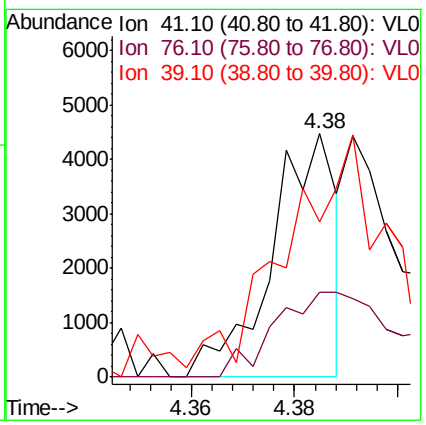


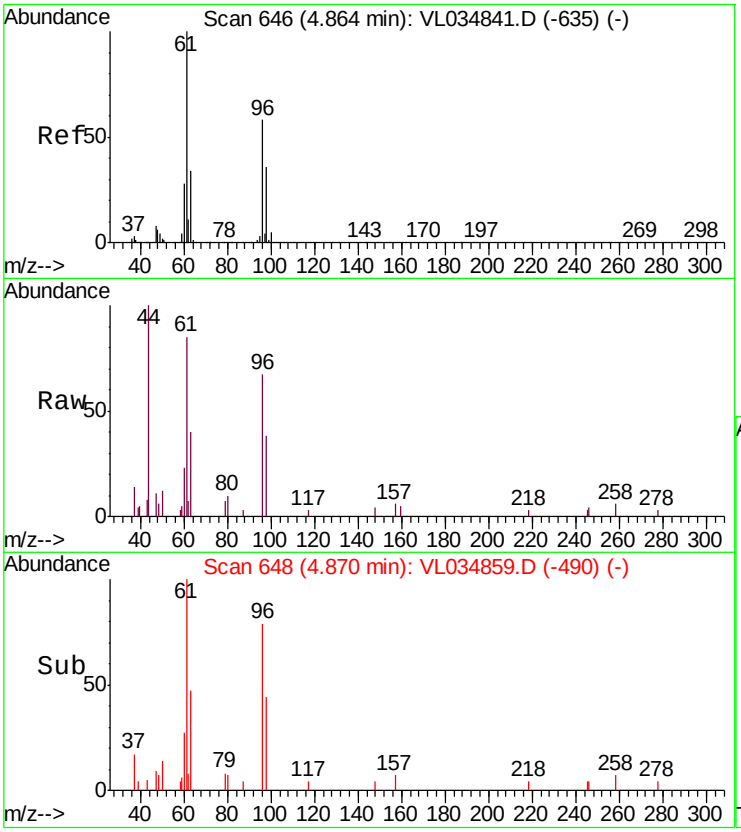


#21
Allyl Chloride
Concen: 0.053 ppbv
RT: 4.38 min Scan# 497
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 41 Resp: 3883

Ion	Ratio	Lower	Upper
41	100		
76	64.3	22.2	33.2#
39	0.0	62.6	93.8#



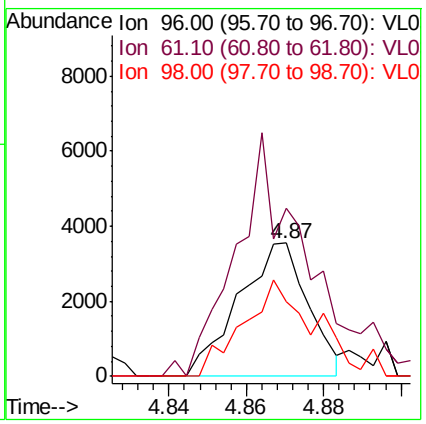


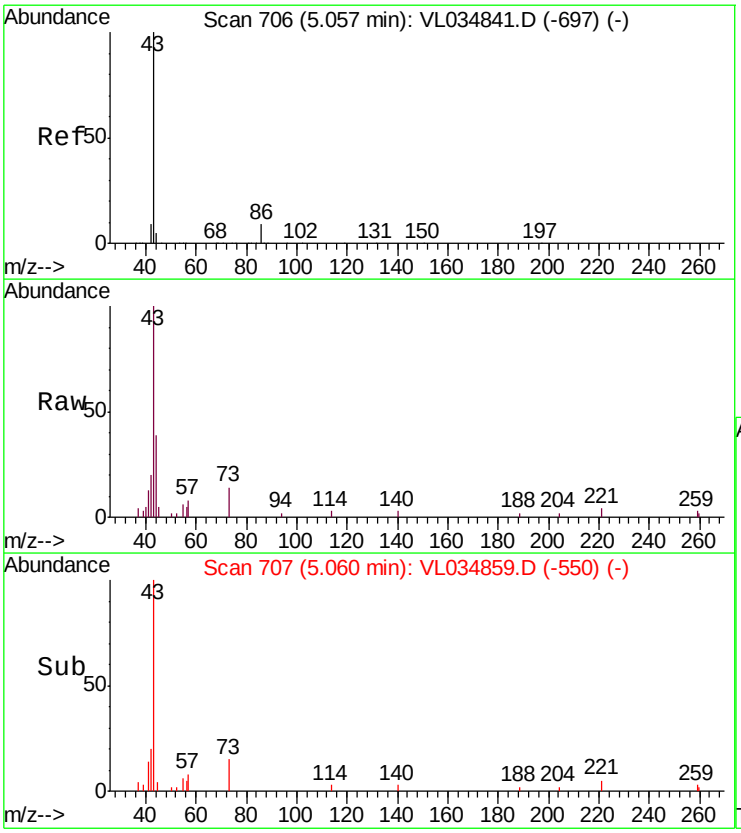
#22
trans-1,2-Dichloroethene
Concen: 0.110 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 4421

Ion	Ratio	Lower	Upper
96	100		
61	126.6	139.0	208.6#
98	56.1	50.3	75.5

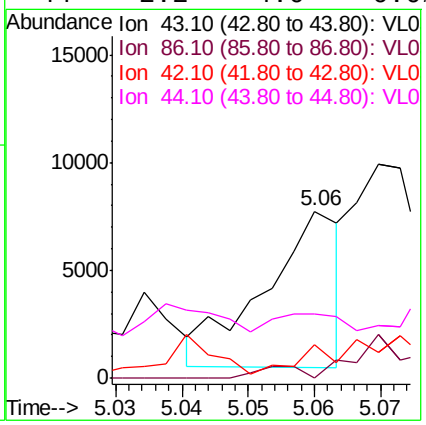


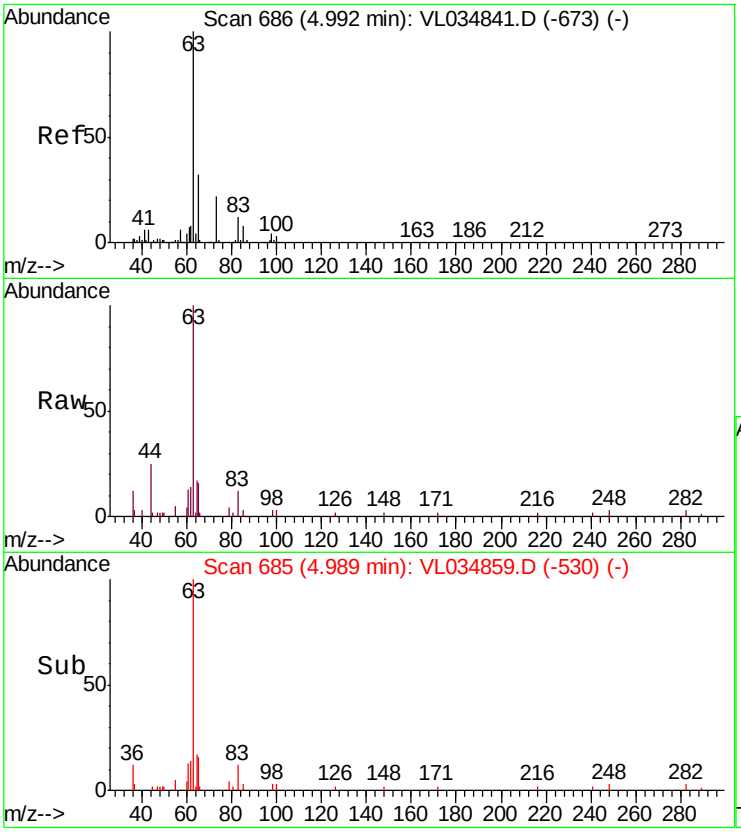


#23
Vinyl Acetate
Concen: 0.034 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 43 Resp: 5797

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.3	9.5#
42	13.7	7.8	11.8#
44	2.2	4.0	6.0#



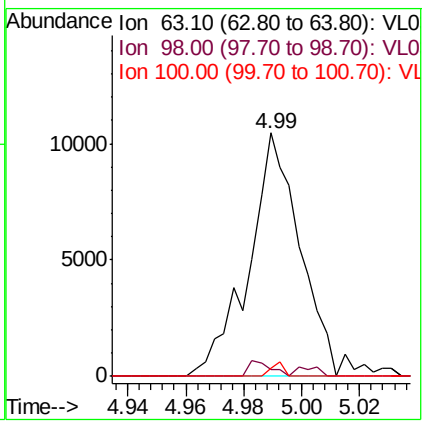


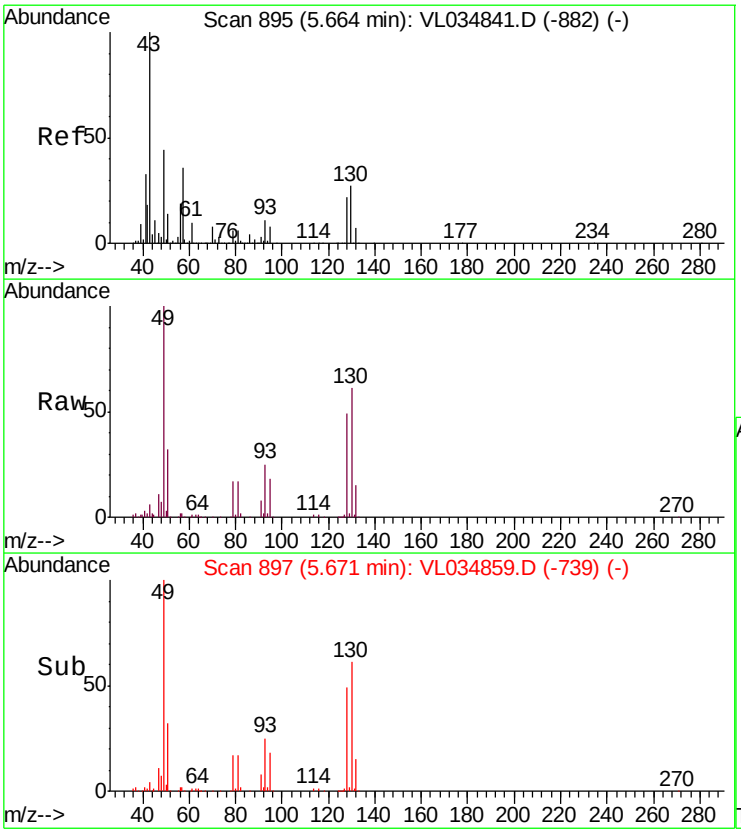
#24
1,1-Dichloroethane
Concen: 0.113 ppbv
RT: 4.99 min Scan# 685
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 12763

Ion	Ratio	Lower	Upper
63	100		
98	2.7	2.0	5.8
100	3.0	1.4	4.0

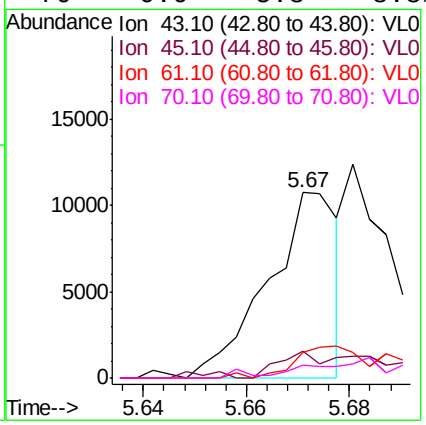


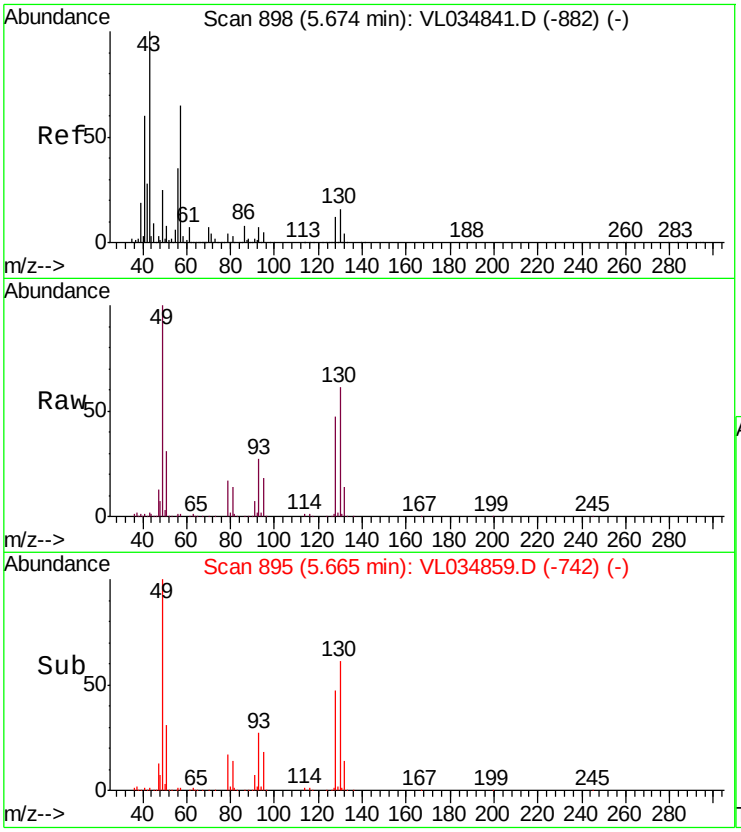


#25
Ethyl Acetate
Concen: 0.049 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 43 Resp: 10022

Ion	Ratio	Lower	Upper
43	100		
45	26.2	8.2	12.2#
61	0.0	7.8	11.6#
70	0.0	5.8	8.8#



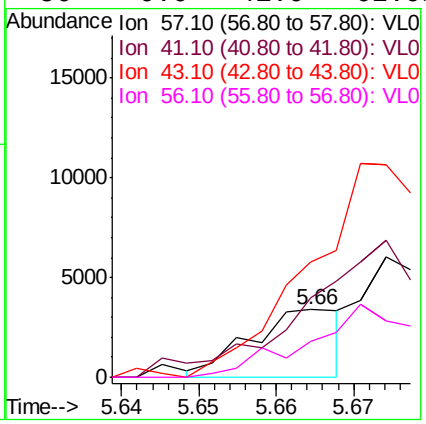


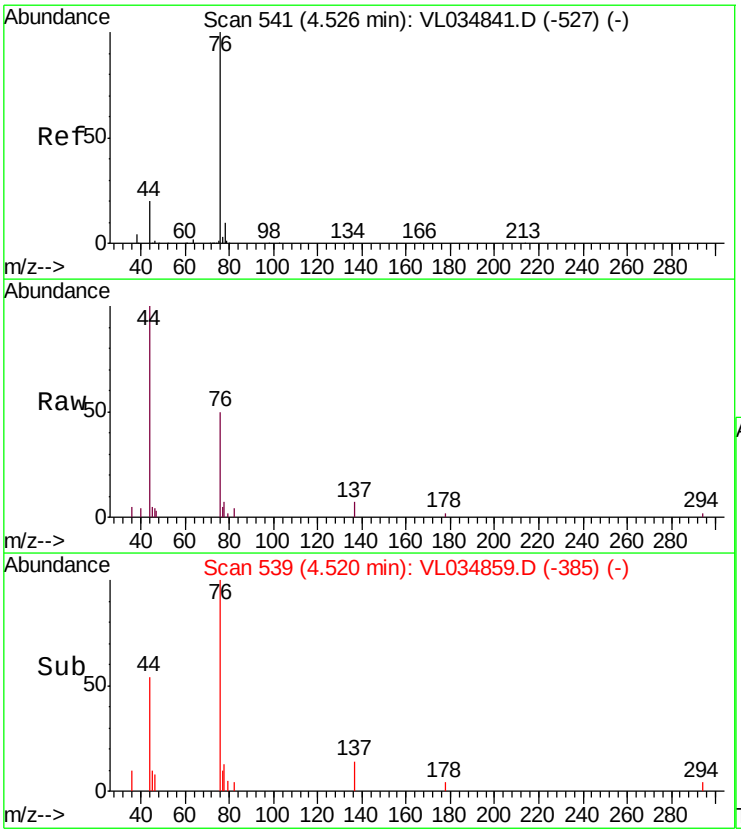
#26
Hexane
Concen: 0.032 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 2796

Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.6	109.0#
43	0.0	183.8	275.6#
56	0.0	41.9	62.9#

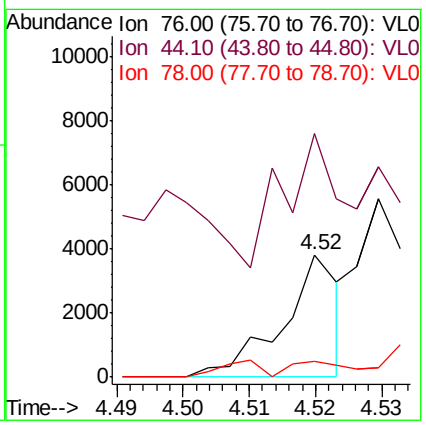


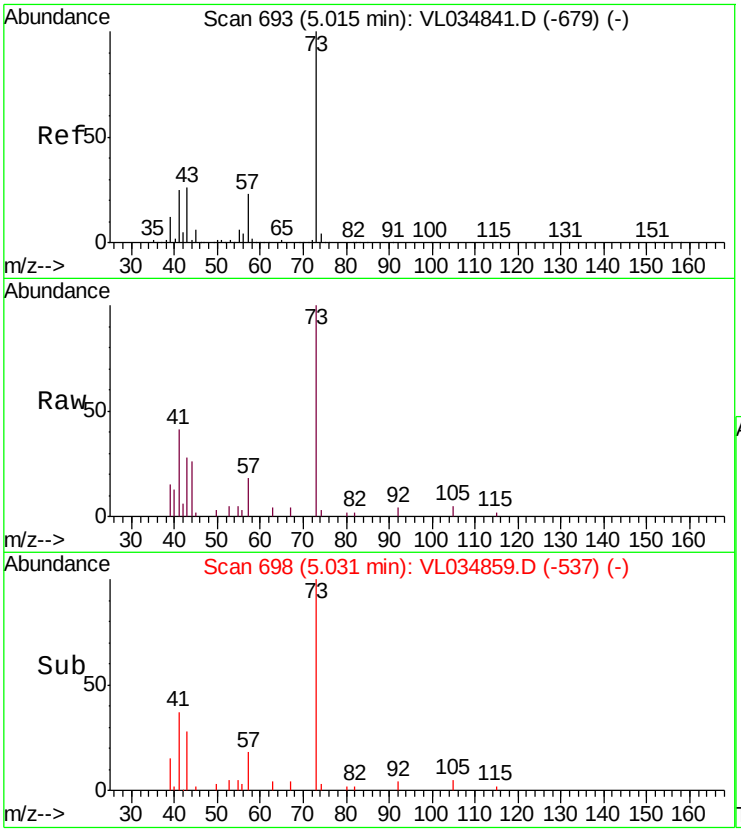


#27
Carbon Disulfide
Concen: 0.023 ppbv
RT: 4.52 min Scan# 539
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 76 Resp: 2236

Ion	Ratio	Lower	Upper
76	100		
44	81.1	16.2	24.2#
78	0.0	7.8	11.6#



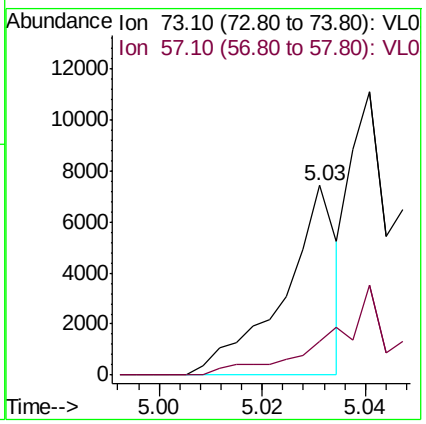


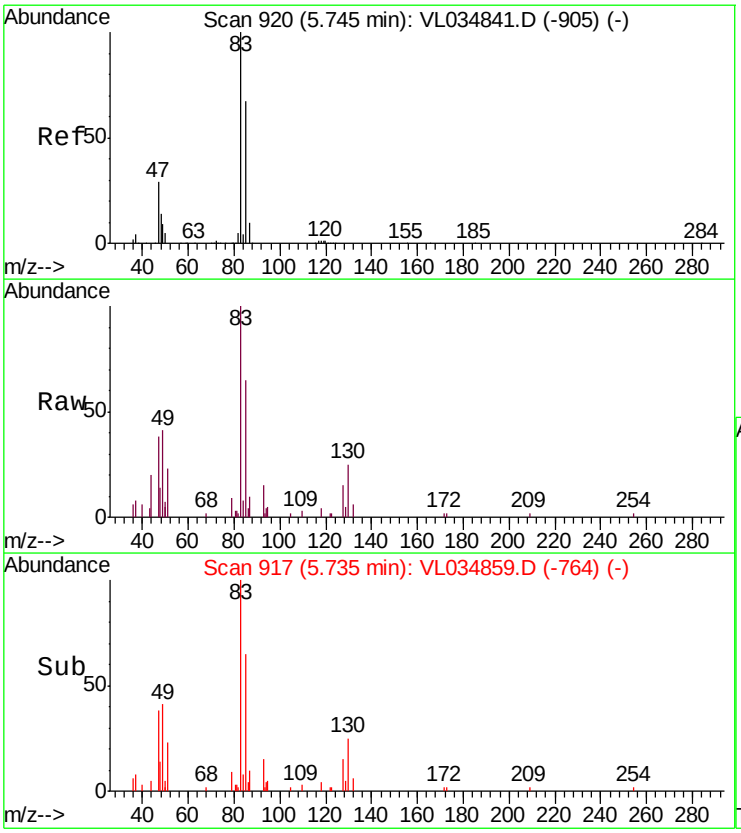
#28
Methyl tert-Butyl Ether
Concen: 0.036 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.02 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 73 Resp: 5305

Ion	Ratio	Lower	Upper
73	100		
57	0.0	18.3	27.5#

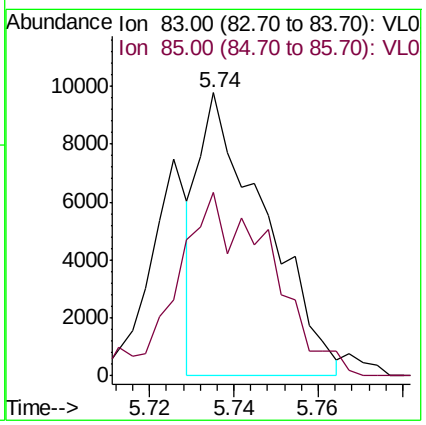


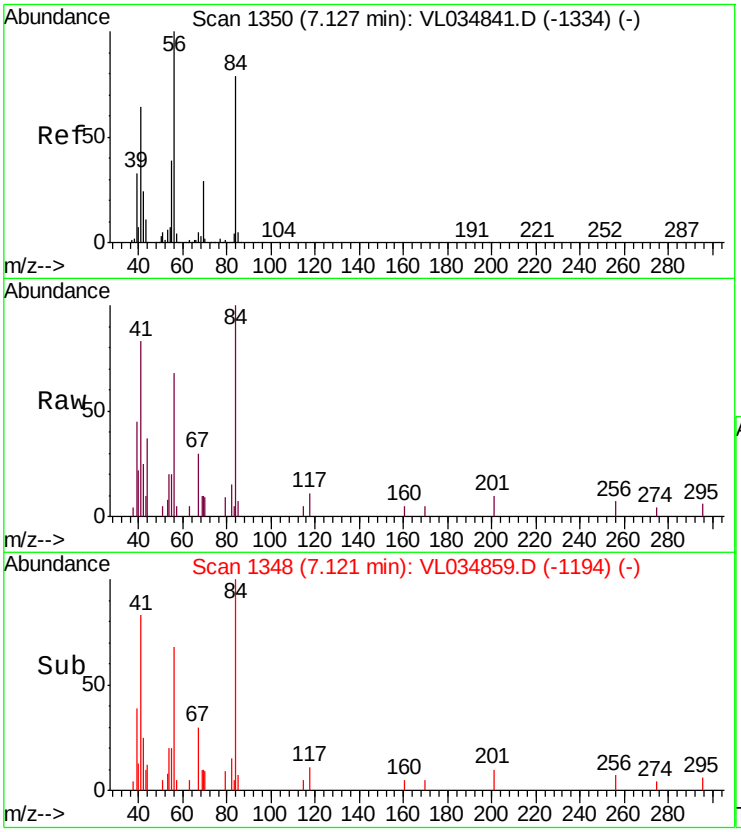


#29
Chloroform
Concen: 0.080 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 83 Resp: 10657

Ion	Ratio	Lower	Upper
83	100		
85	59.5	53.8	80.6



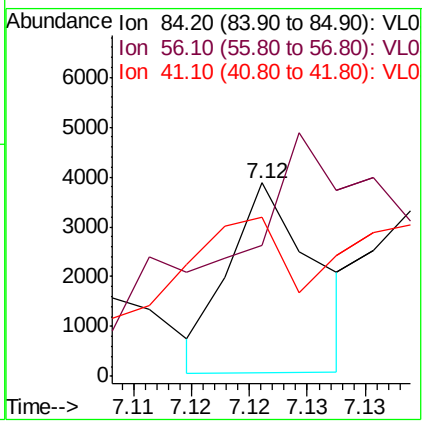


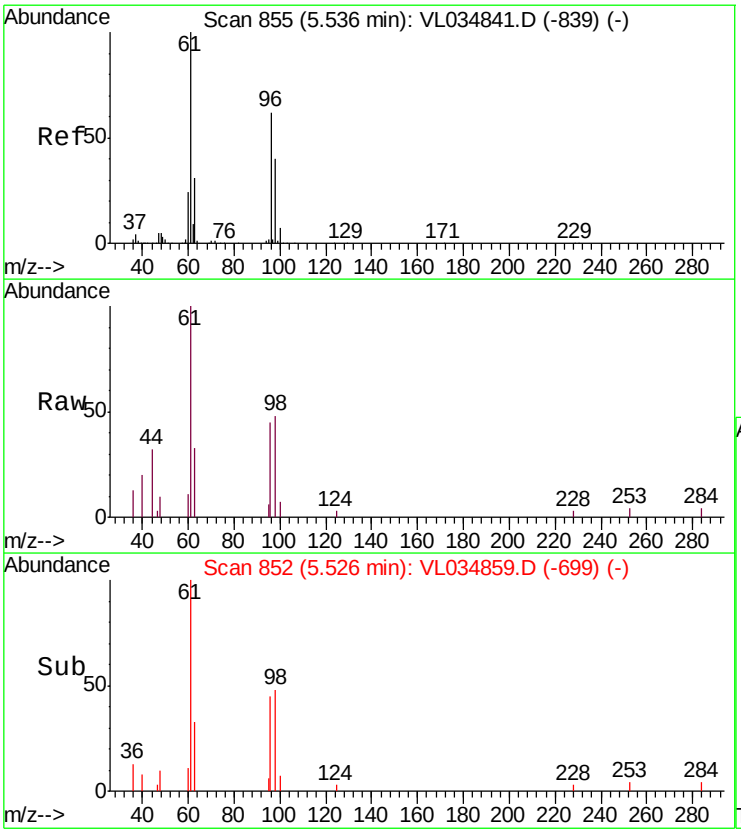
#30
Cyclohexane
Concen: 0.027 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 1964

Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.5	165.7#
41	331.8	68.2	102.4#

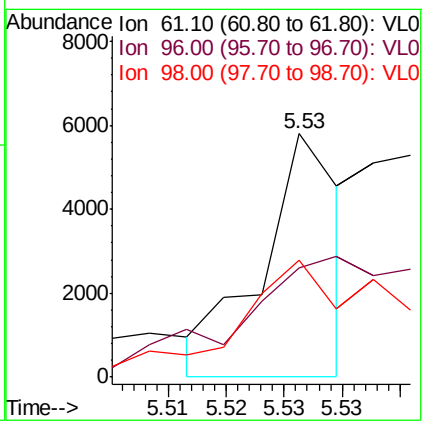


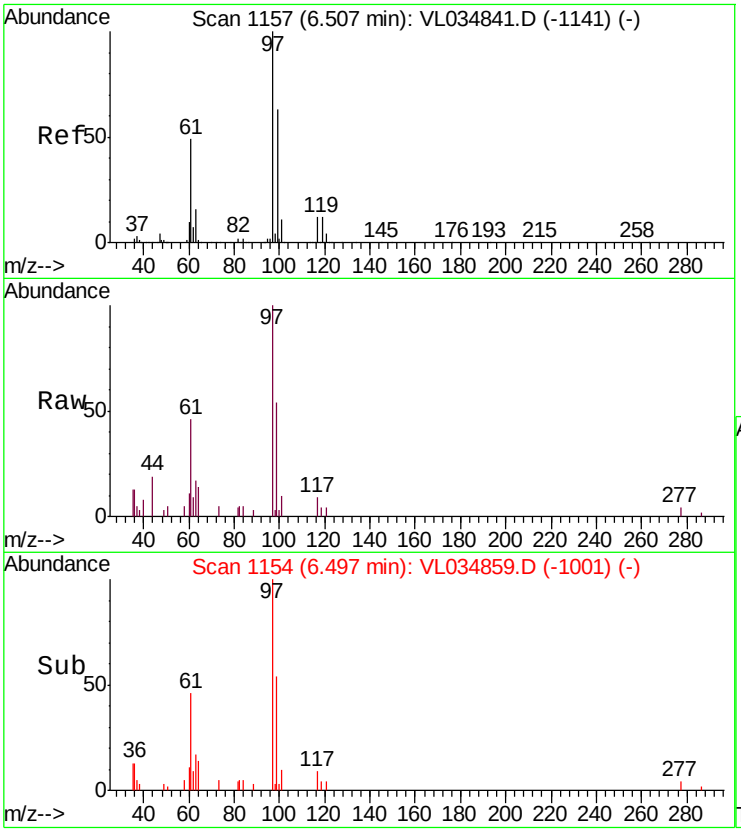


#31
cis-1,2-Dichloroethene
Concen: 0.031 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 61 Resp: 2741

Ion	Ratio	Lower	Upper
61	100		
96	29.9	49.8	74.8#
98	46.3	32.2	48.4



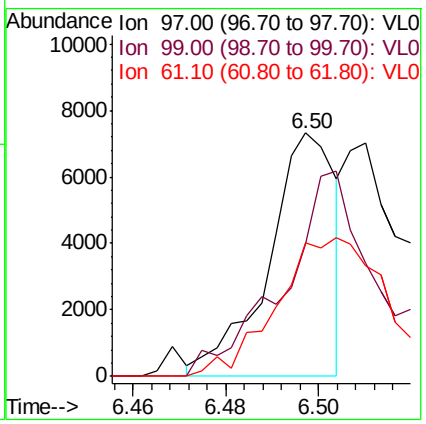


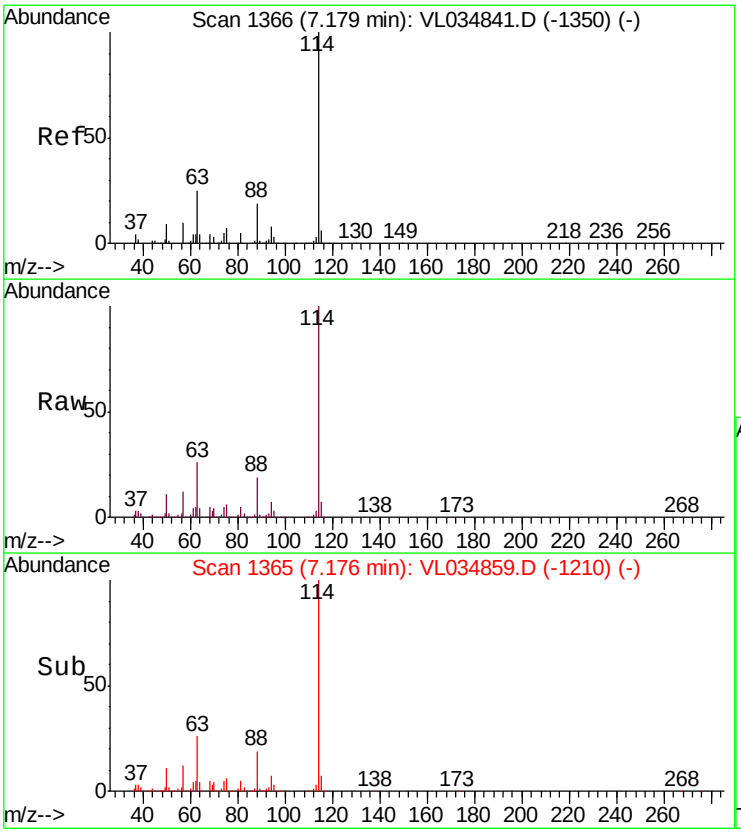
#32
1,1,1-Trichloroethane
Concen: 0.056 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 7331

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	0.0	39.7	59.5#

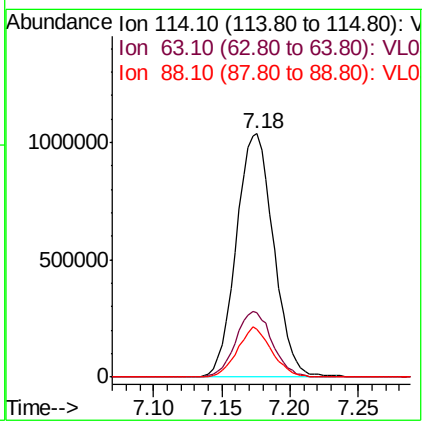


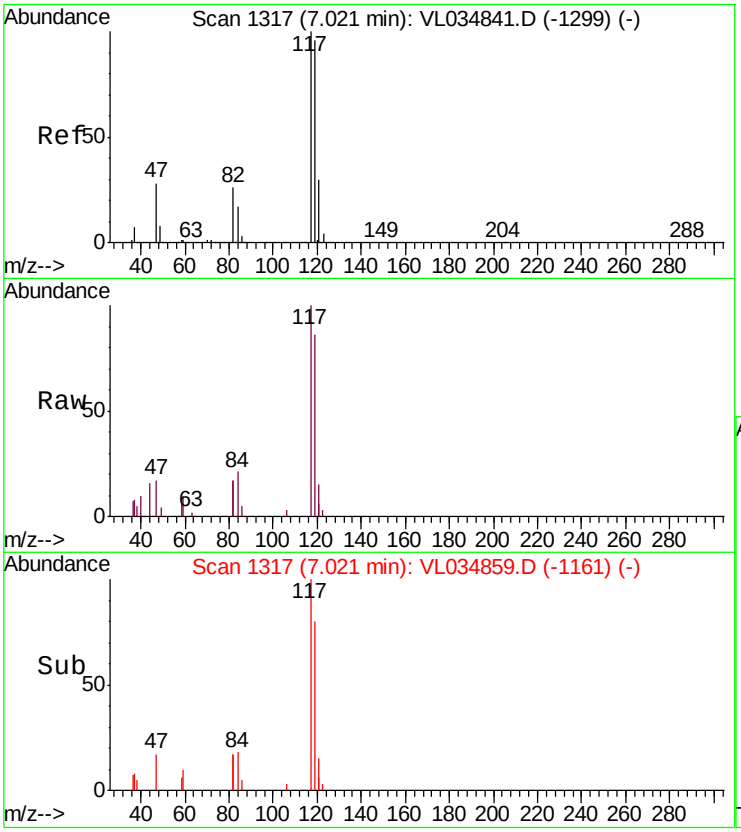


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:114 Resp: 1967025

Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.6	31.0
88	18.7	15.0	22.6



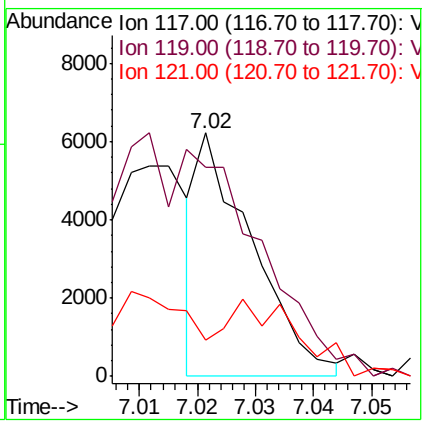


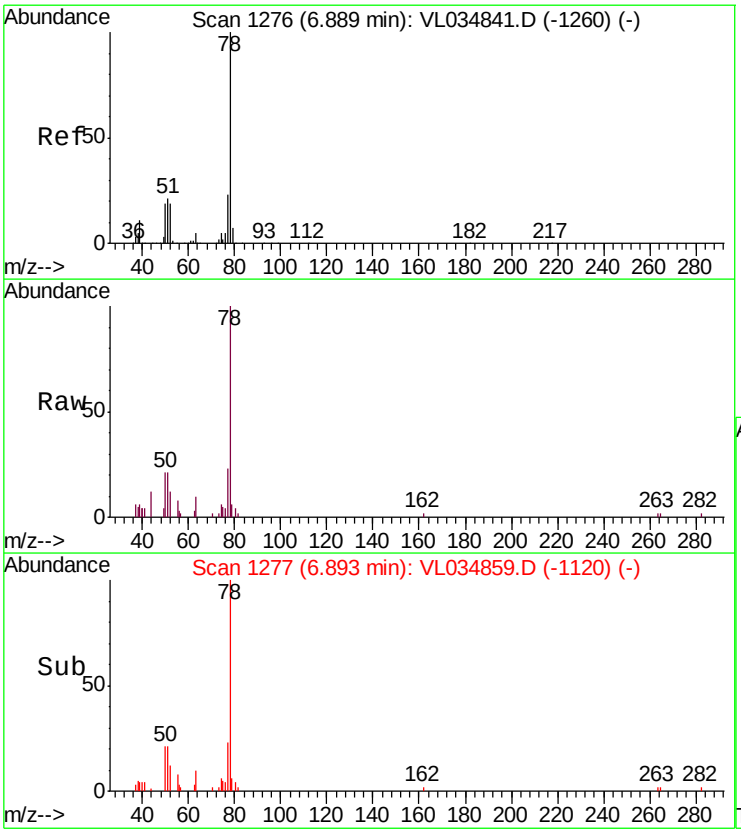
#35
Carbon Tetrachloride
Concen: 0.034 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 4107

Ion	Ratio	Lower	Upper
117	100		
119	83.5	77.0	115.4
121	1.2	24.0	36.0#

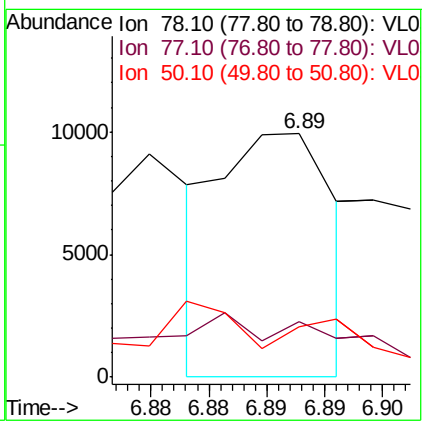


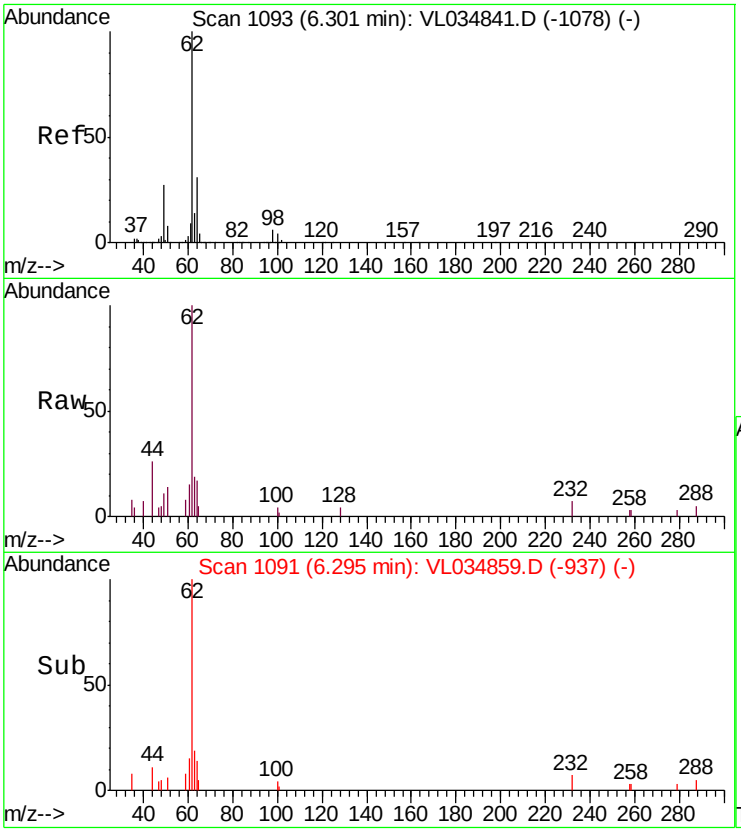


#36
Benzene
Concen: 0.039 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 78 Resp: 6771

Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.2	27.2
50	0.0	15.2	22.8#



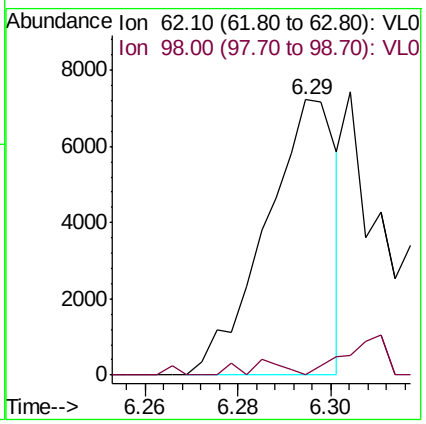


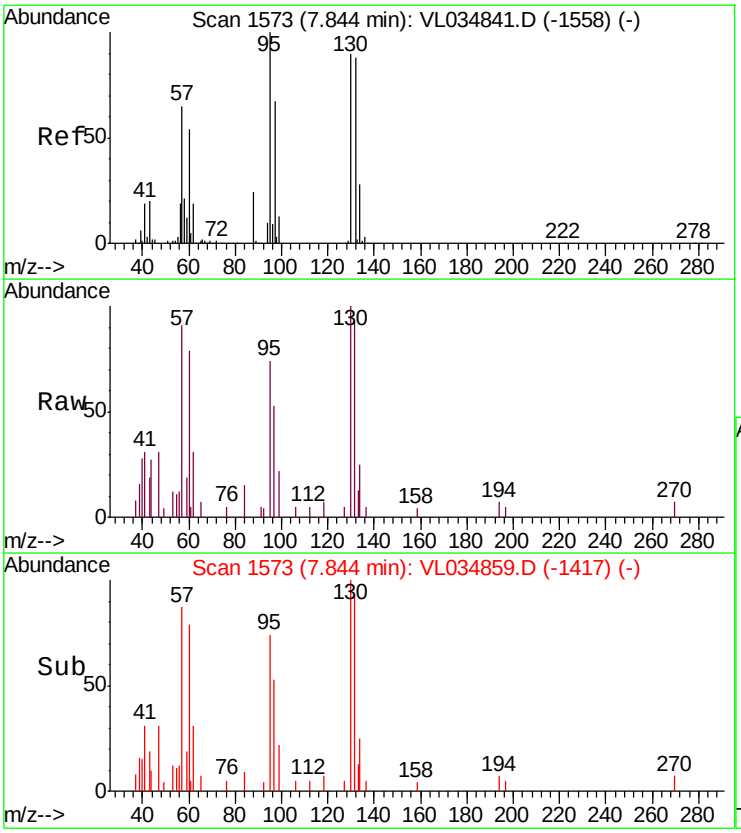
#37
1,2-Dichloroethane
Concen: 0.077 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 7621

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.2	7.8#

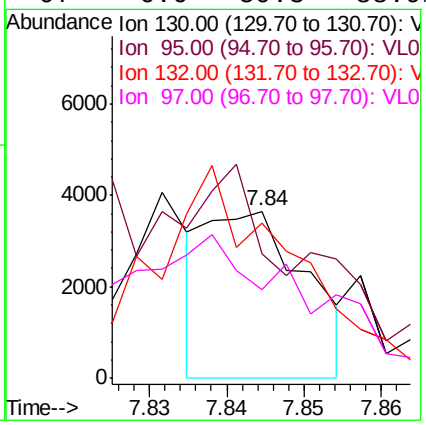


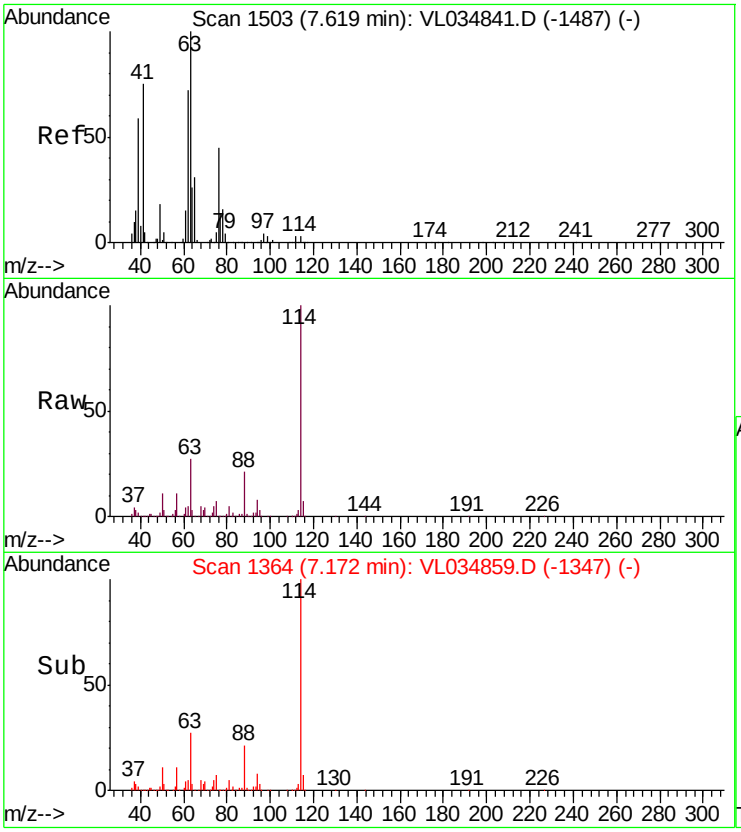


#38
Trichloroethene
Concen: 0.049 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:130 Resp: 3255

Ion	Ratio	Lower	Upper
130	100		
95	4.7	88.5	132.7#
132	92.3	78.0	117.0
97	6.0	59.3	88.9#



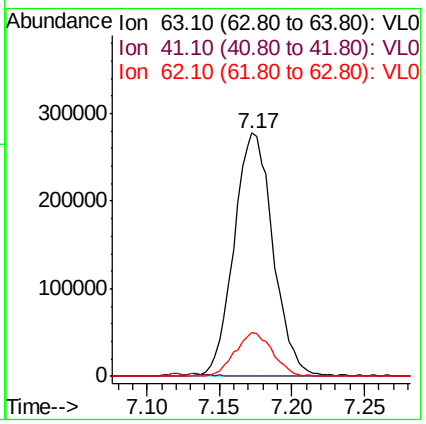


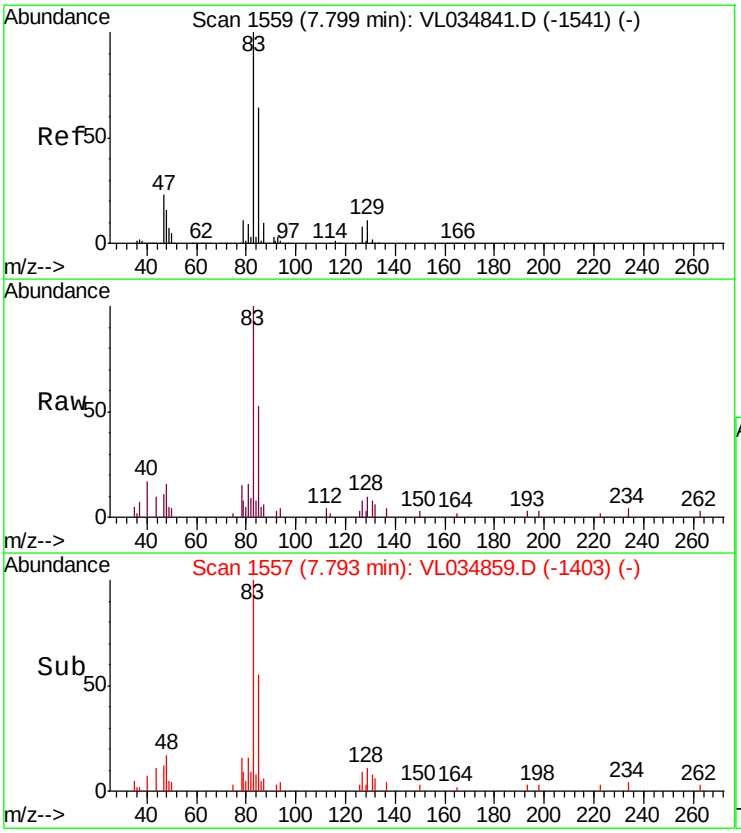
#39
1,2-Dichloropropane
Concen: 7.474 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.45 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 519185

Ion	Ratio	Lower	Upper
63	100		
41	0.2	59.8	89.8#
62	18.2	57.6	86.4#

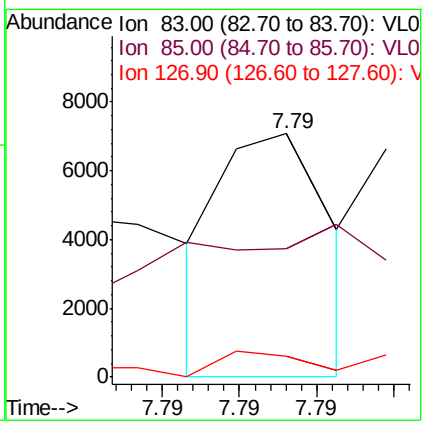


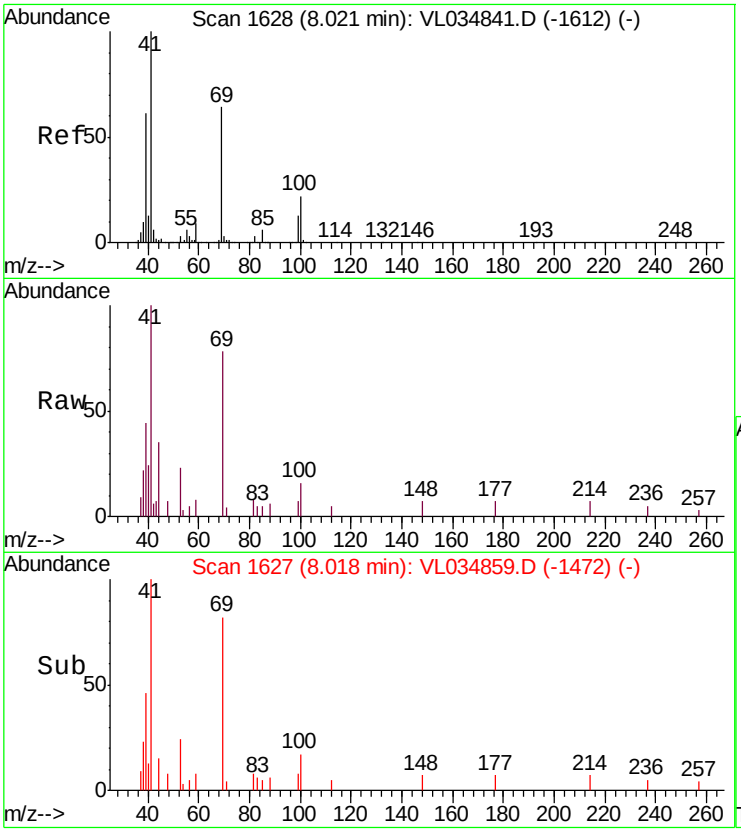


#42
Bromodichloromethane
Concen: 0.026 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 83 Resp: 3482

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.4	77.2#
127	18.6	6.2	9.4#



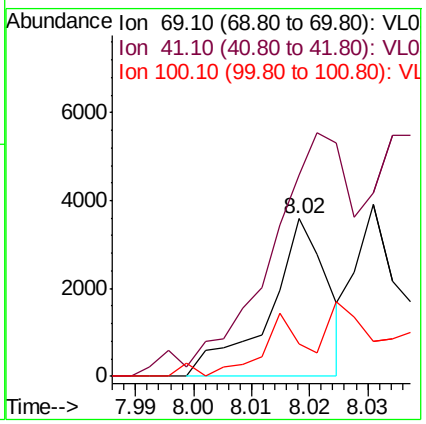


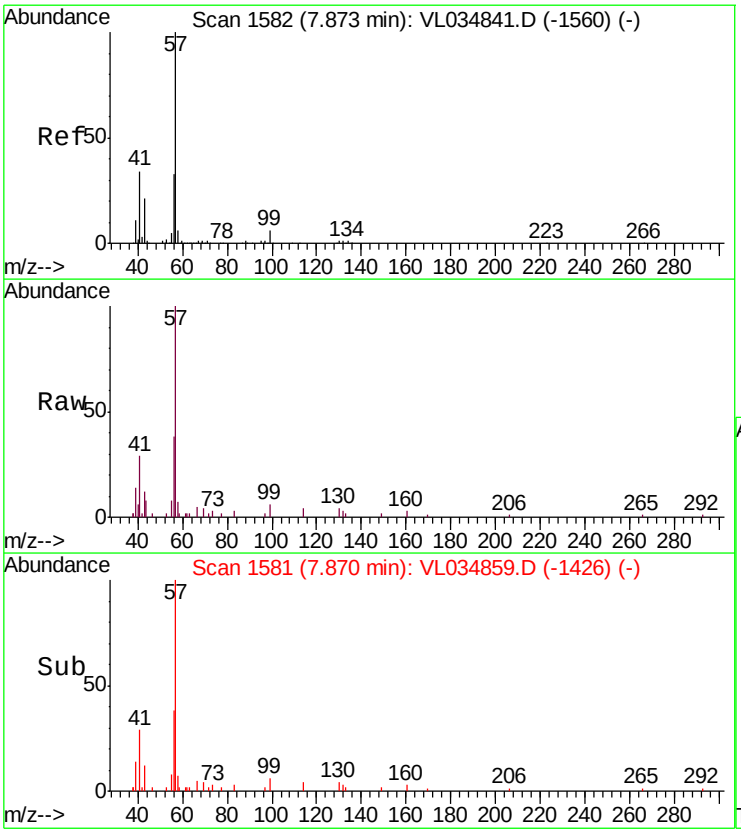
#43
Methyl Methacrylate
Concen: 0.034 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 2500

Ion	Ratio	Lower	Upper
69	100		
41	425.8	123.2	184.8#
100	91.2	26.9	40.3#

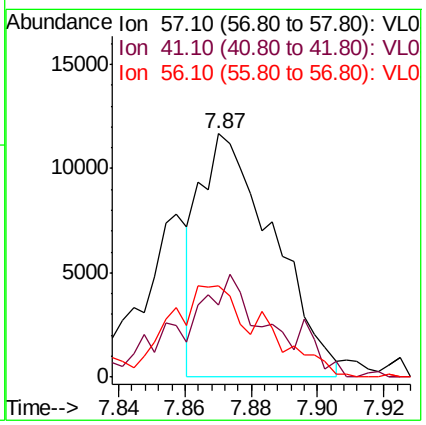


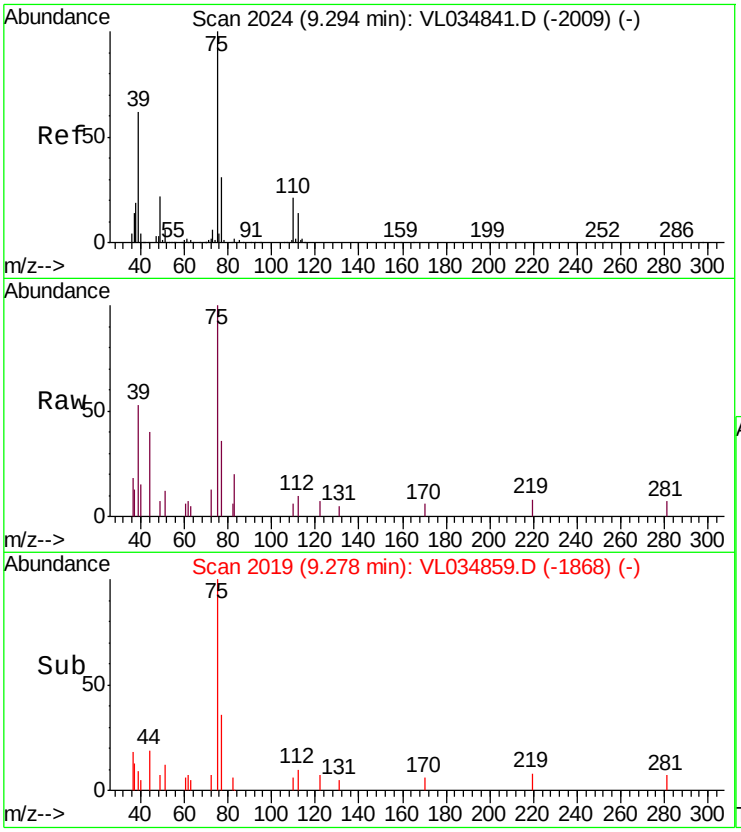


#44
2,2,4-Trimethylpentane
Concen: 0.061 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 57 Resp: 17950

Ion	Ratio	Lower	Upper
57	100		
41	54.6	26.2	39.4#
56	50.1	25.0	37.4#



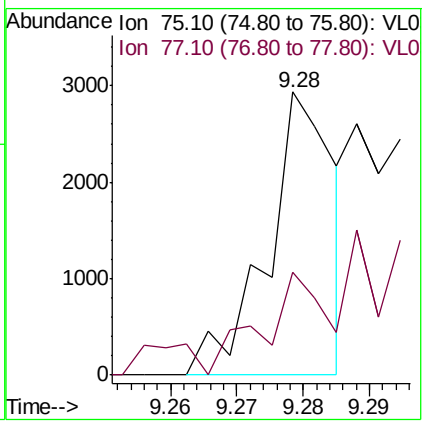


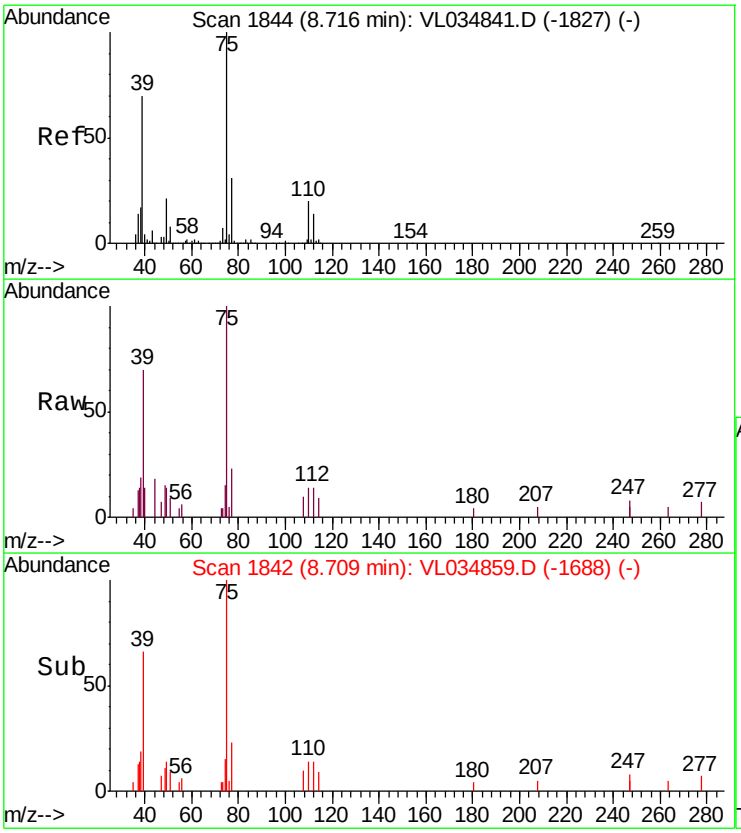
#45
t-1,3-Dichloropropene
Concen: 0.023 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. -0.02 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 2024

Ion	Ratio	Lower	Upper
75	100		
77	36.2	24.6	37.0

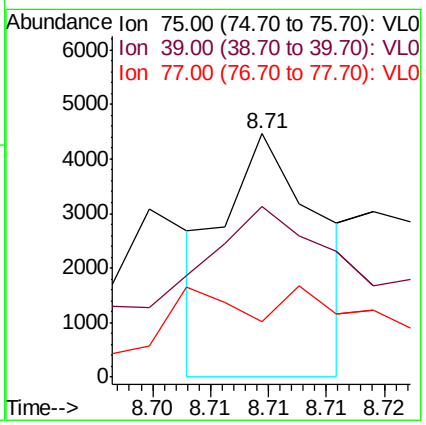


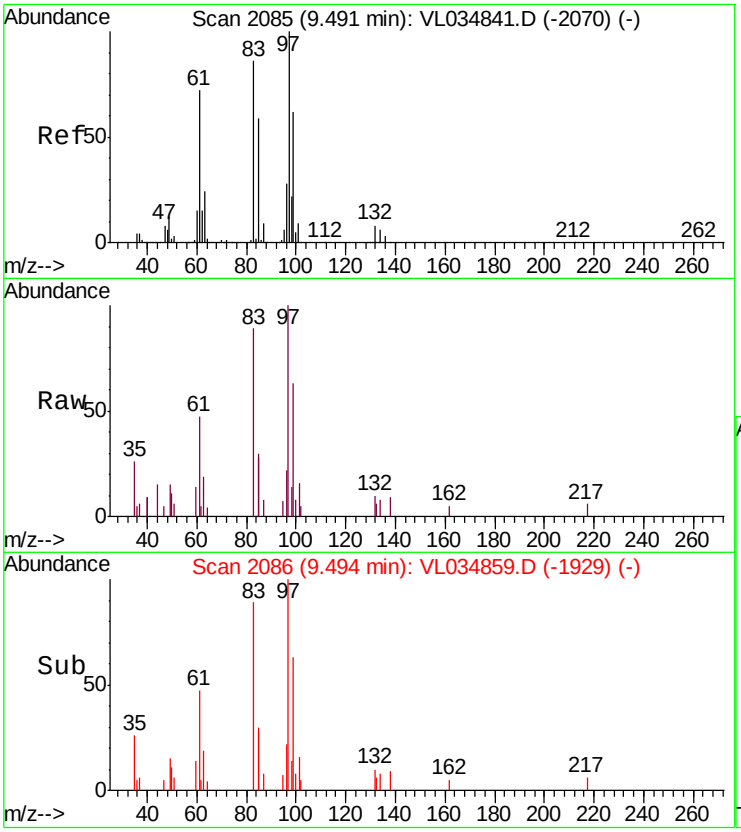


#46
cis-1,3-Dichloropropene
Concen: 0.025 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 75 Resp: 2548

Ion	Ratio	Lower	Upper
75	100		
39	71.4	55.7	83.5
77	0.0	24.7	37.1#



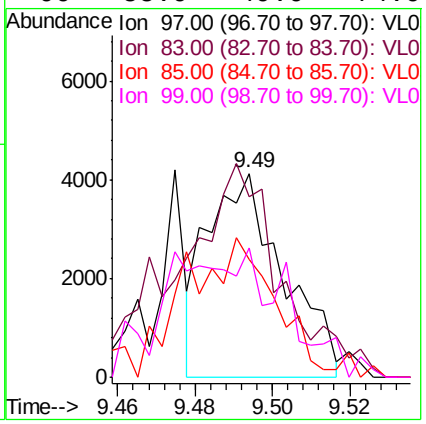


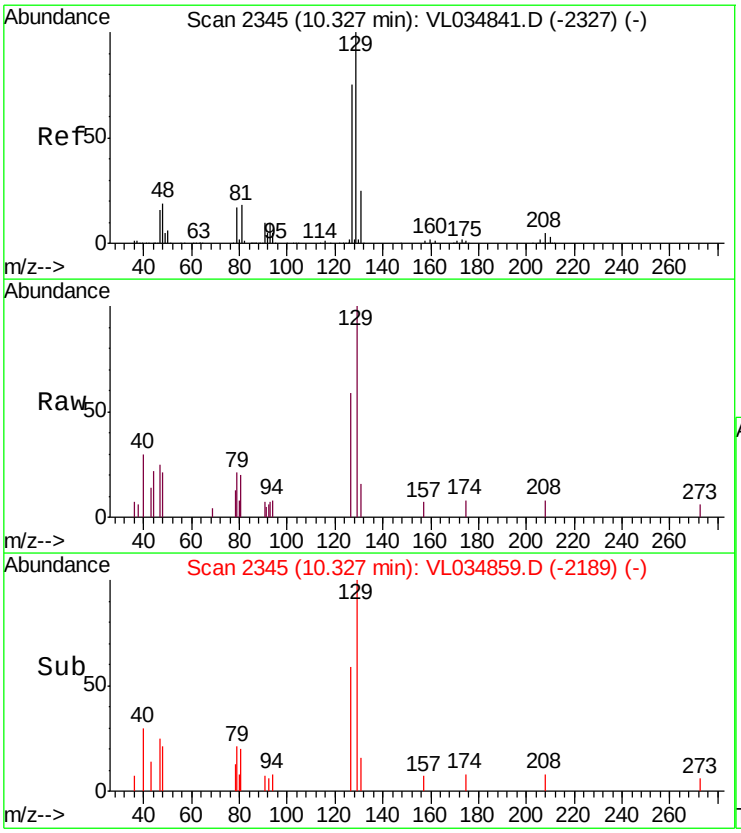
#47
1,1,2-Trichloroethane
Concen: 0.079 ppbv
RT: 9.49 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 5641

Ion	Ratio	Lower	Upper
97	100		
83	74.3	68.6	102.8
85	58.6	46.9	70.3
99	55.9	49.9	74.9

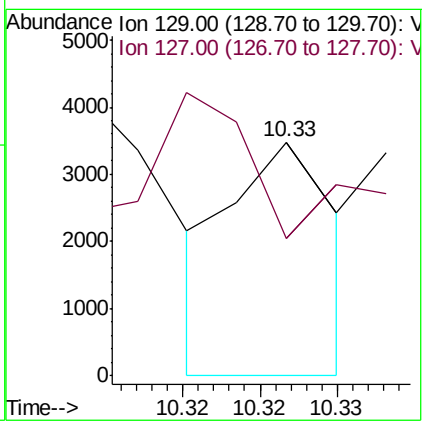


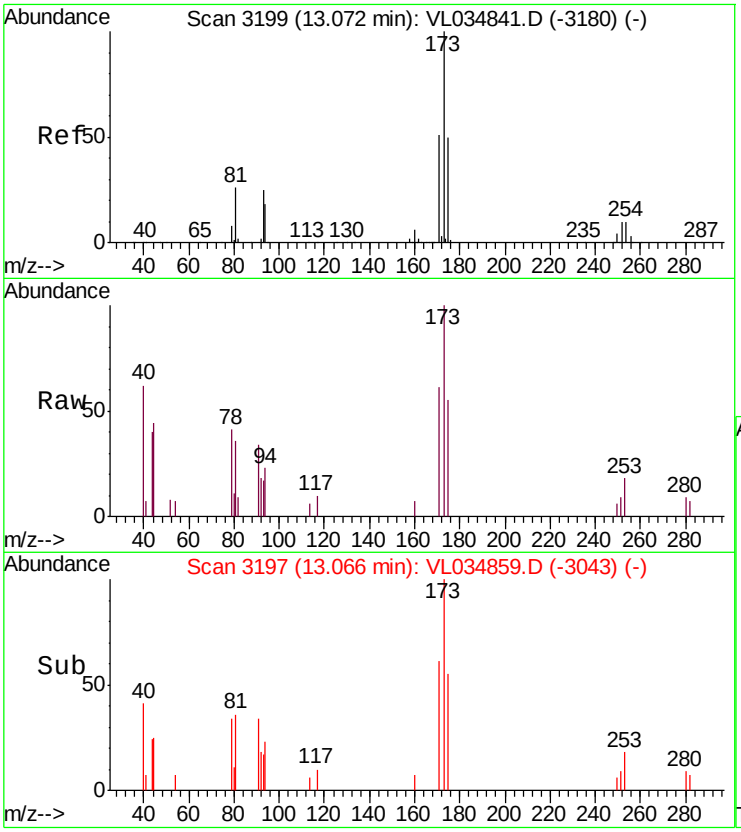


#48
Dibromochloromethane
Concen: 0.014 ppbv
RT: 10.33 min Scan# 2345
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:129 Resp: 1638

Ion	Ratio	Lower	Upper
129	100		
127	405.4	39.6	118.7#



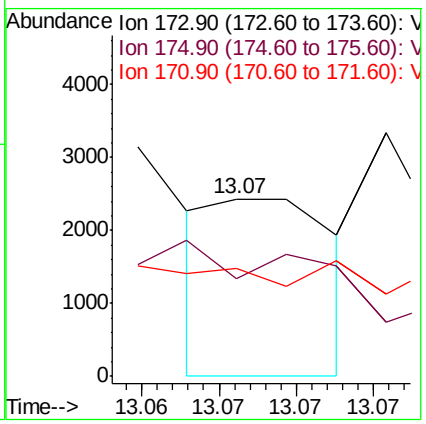


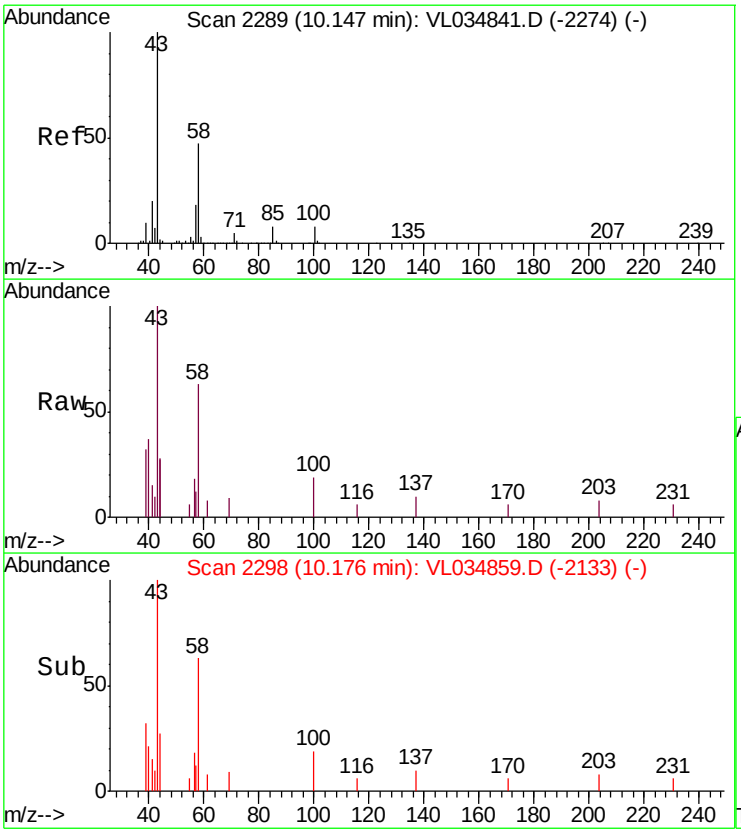
#49
Bromoform
Concen: 0.013 ppbv
RT: 13.07 min Scan# 3197
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1313

Ion	Ratio	Lower	Upper
173	100		
175	245.0	39.6	59.4#
171	0.0	41.0	61.6#

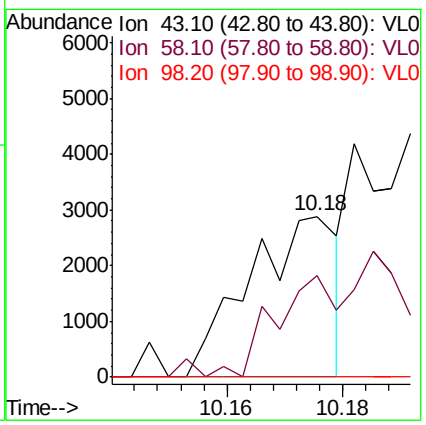


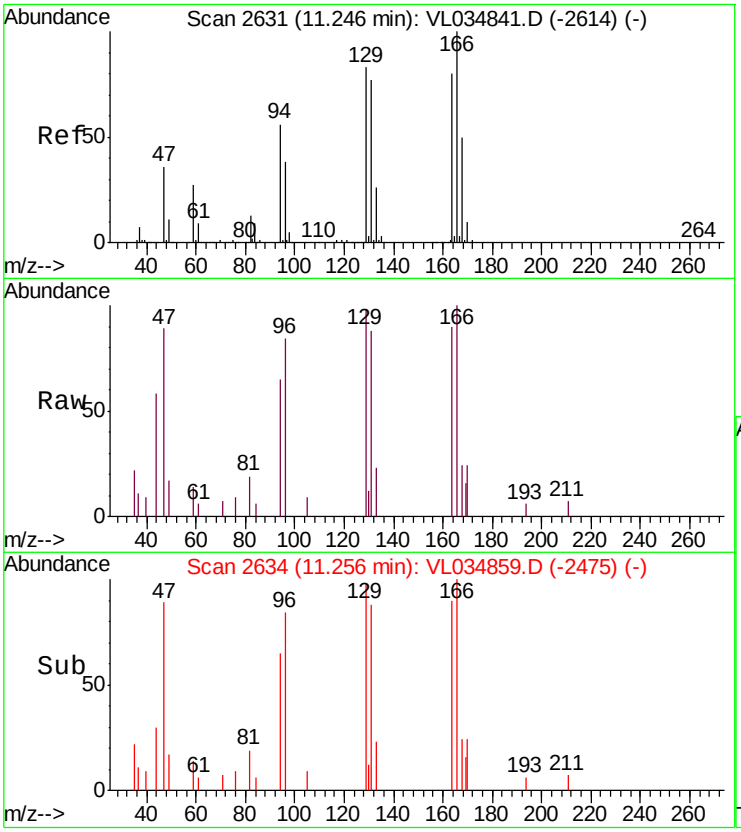


#51
2-Hexanone
Concen: 0.020 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. 0.03 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 43 Resp: 3078

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.6	58.0#
98	0.0	0.1	0.1#



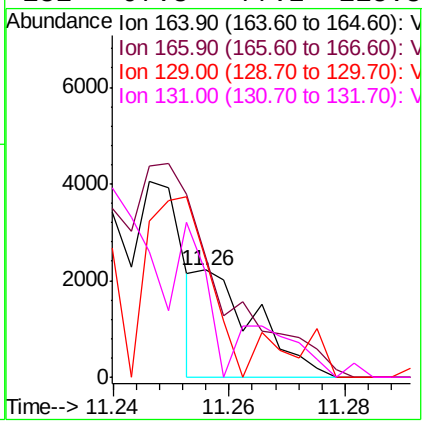


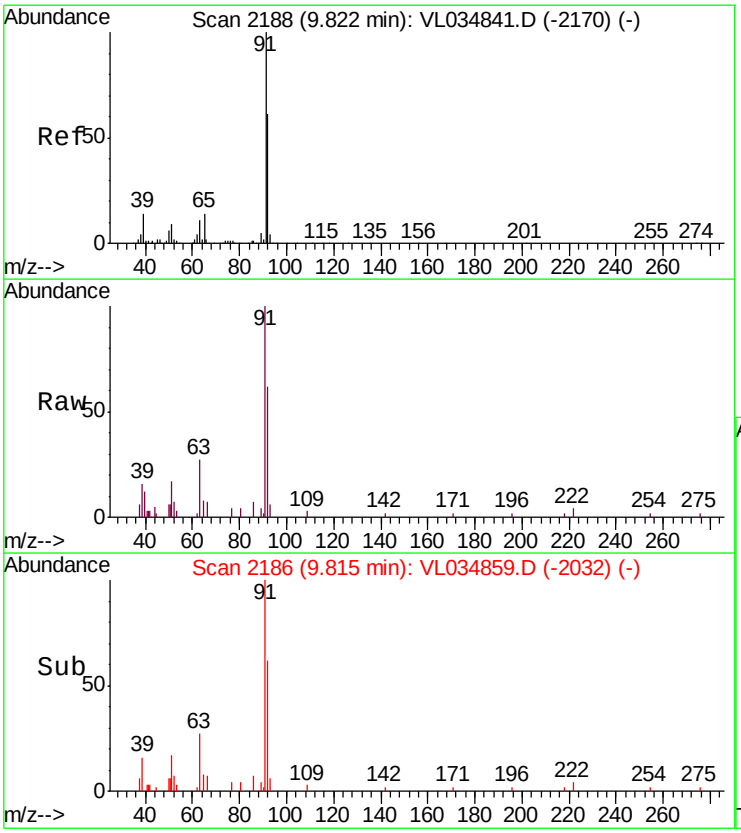
#52
Tetrachloroethene
Concen: 0.022 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 1523

Ion	Ratio	Lower	Upper
164	100		
166	104.5	100.0	150.0
129	109.9	83.1	124.7
131	97.8	77.2	115.8

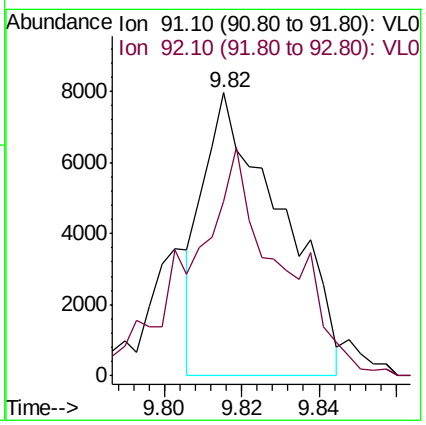


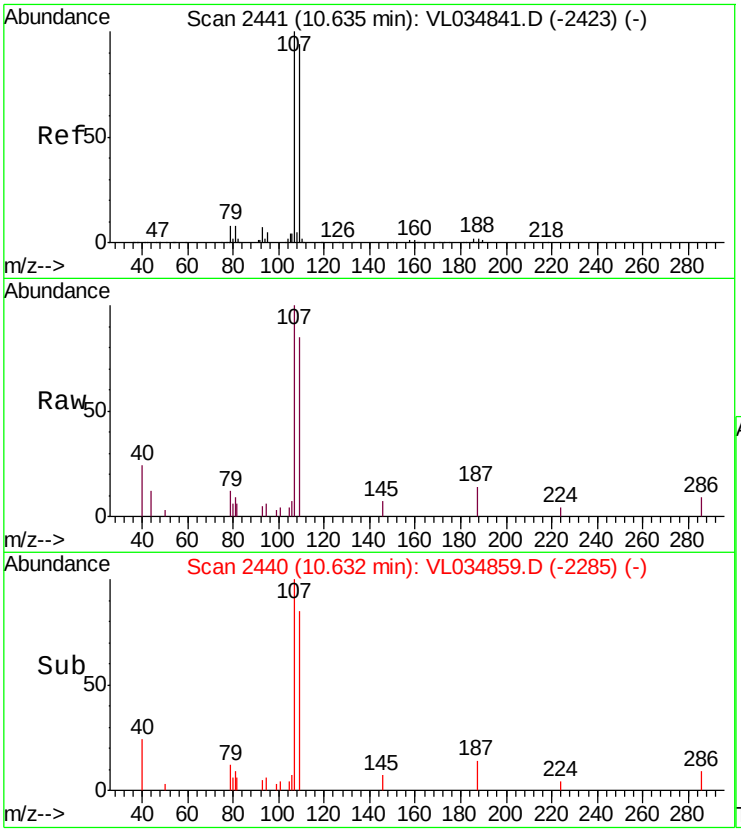


#53
Toluene
Concen: 0.055 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 91 Resp: 11093

Ion	Ratio	Lower	Upper
91	100		
92	96.3	48.6	72.8#



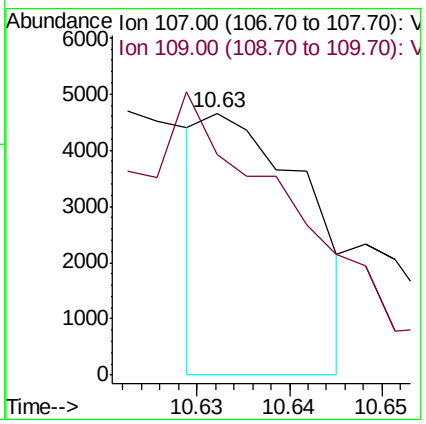


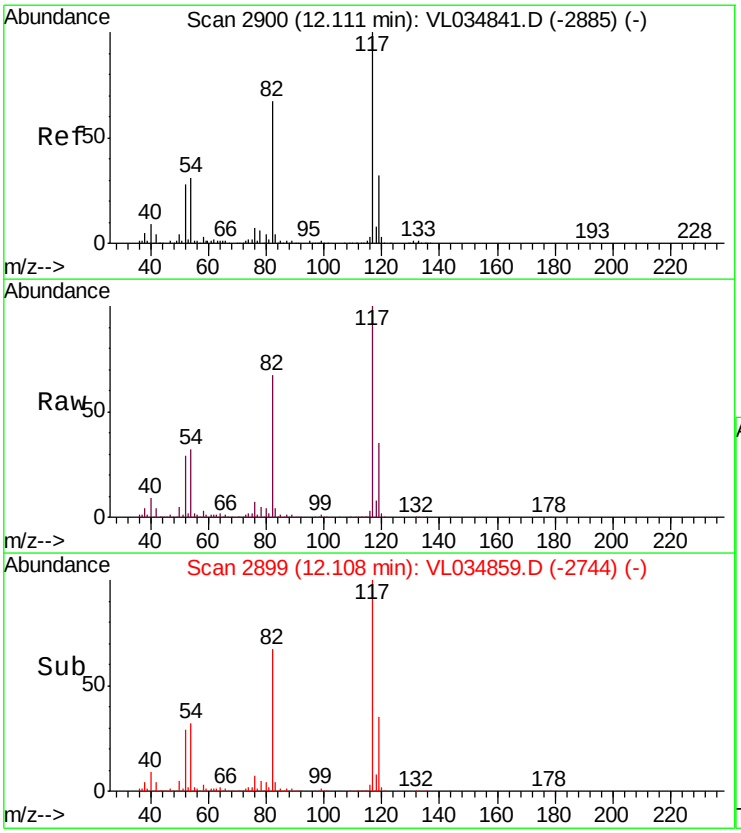
#54
1,2-Dibromoethane
Concen: 0.033 ppbv
RT: 10.63 min Scan# 2440
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:107 Resp: 3554

Ion	Ratio	Lower	Upper
107	100		
109	71.0	74.9	112.3#

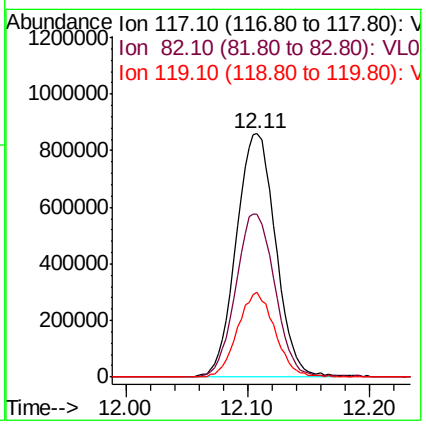


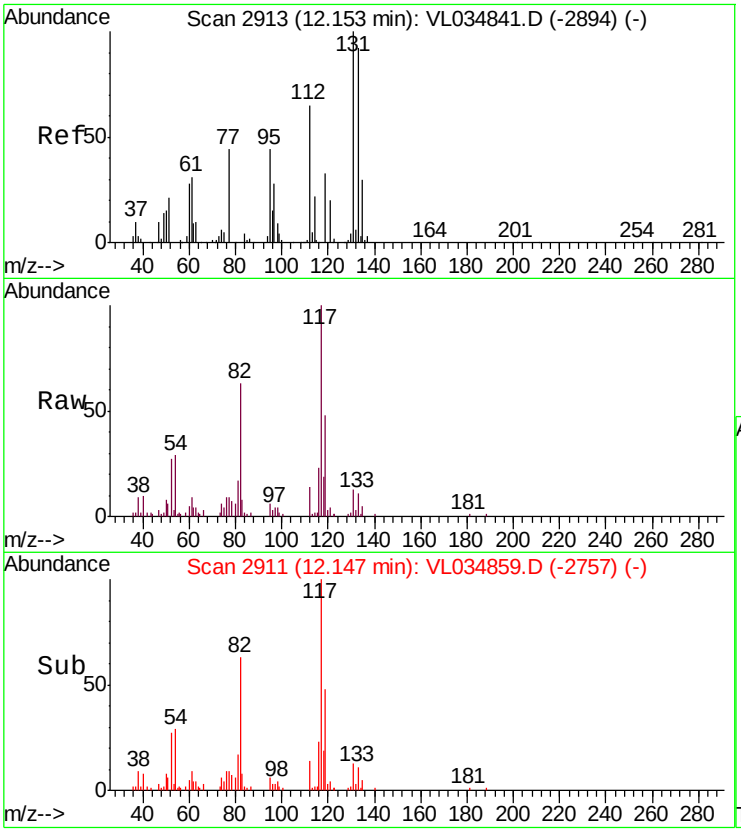


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:117 Resp: 1916548

Ion	Ratio	Lower	Upper
117	100		
82	66.9	51.1	76.7
119	33.3	27.3	40.9



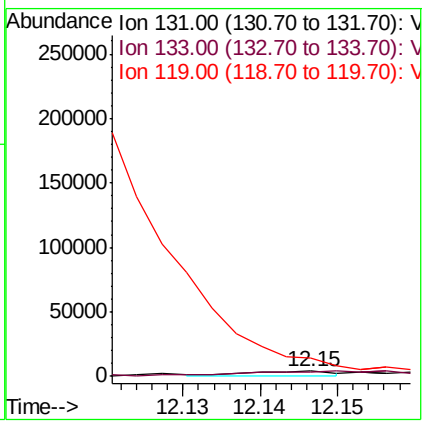


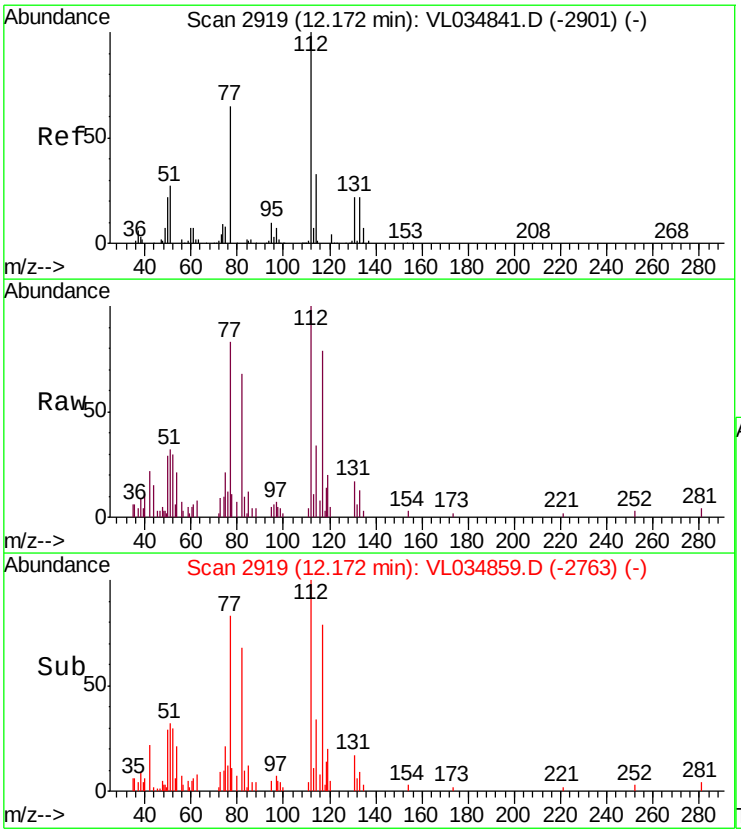
#56
1,1,1,2-Tetrachloroethane
Concen: 0.038 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:131 Resp: 3308

Ion	Ratio	Lower	Upper
131	100		
133	240.7	76.0	114.0#
119	0.0	47.8	71.8#

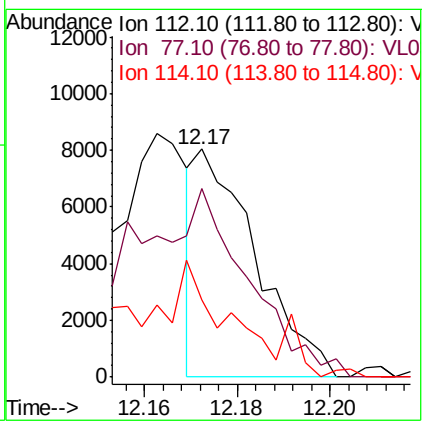


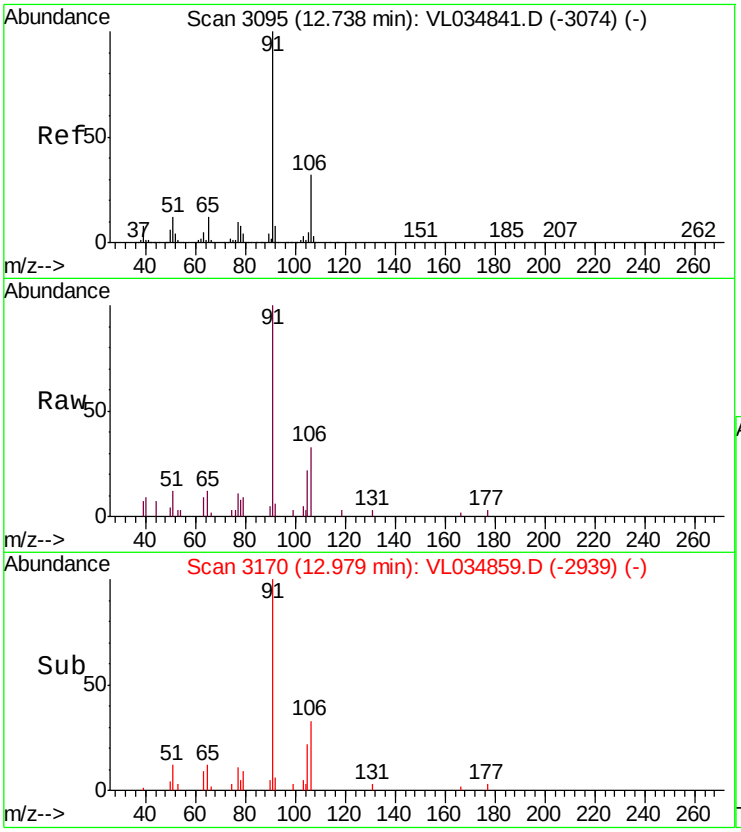


#57
Chlorobenzene
Concen: 0.048 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:112 Resp: 7213

Ion	Ratio	Lower	Upper
112	100		
77	86.0	53.0	79.6#
114	31.2	29.5	36.1



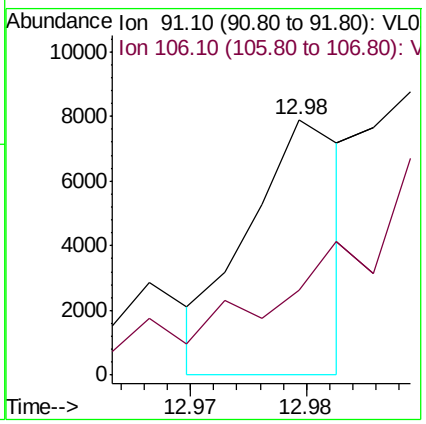


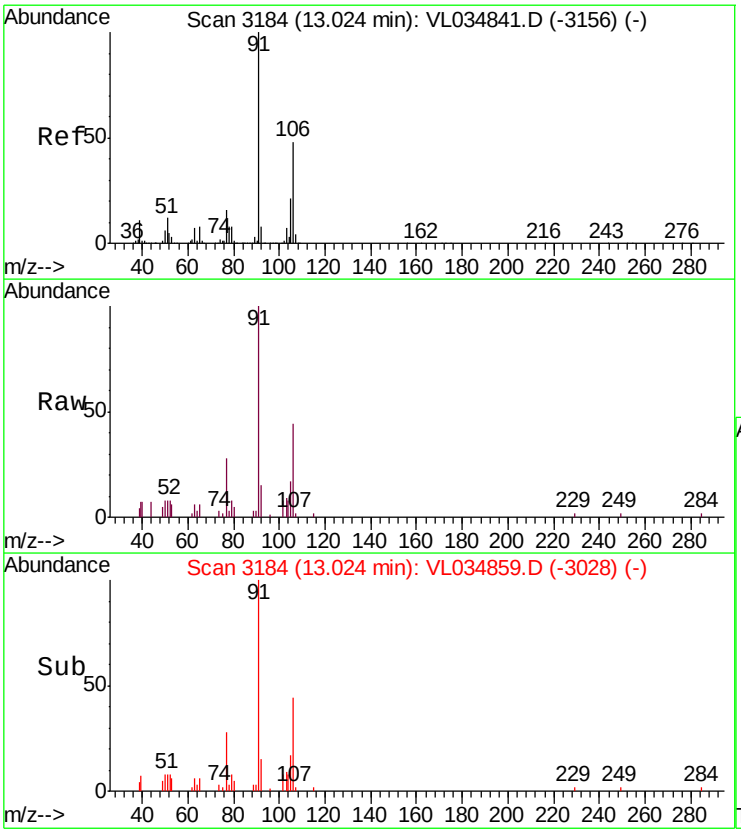
#58
Ethyl Benzene
Concen: 0.018 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.24 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 4543

Ion	Ratio	Lower	Upper
91	100		
106	28.7	25.8	38.6

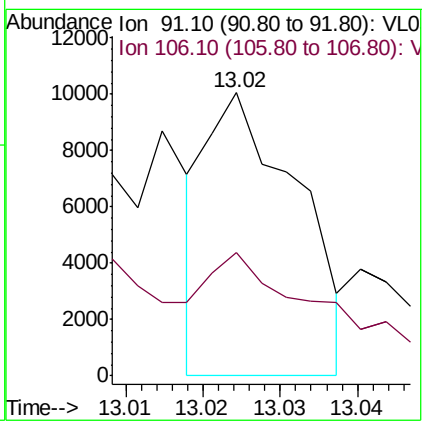


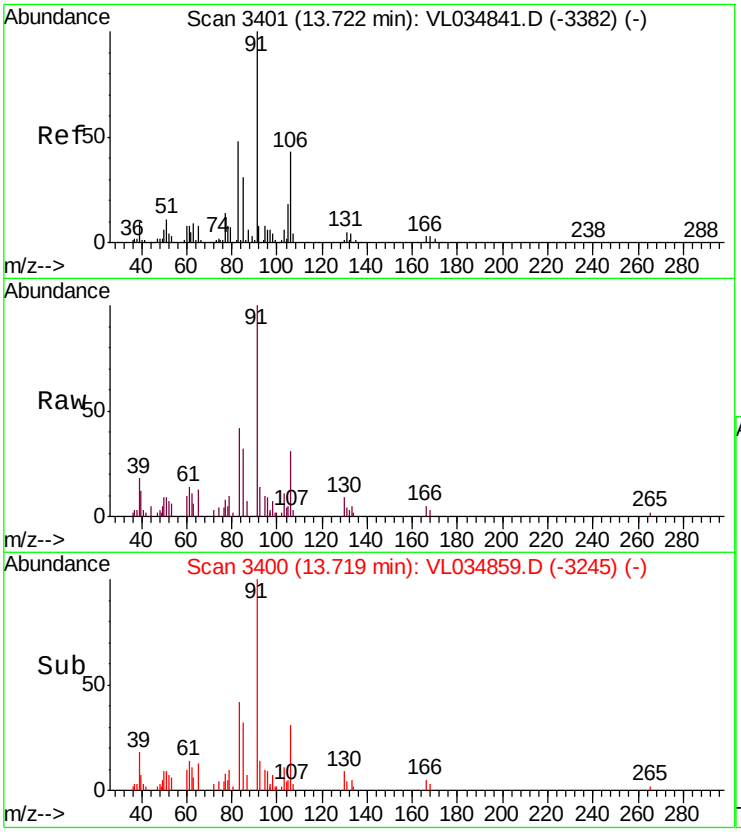


#59
m/p-Xylene
Concen: 0.038 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 91 Resp: 8280

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.1	55.7#



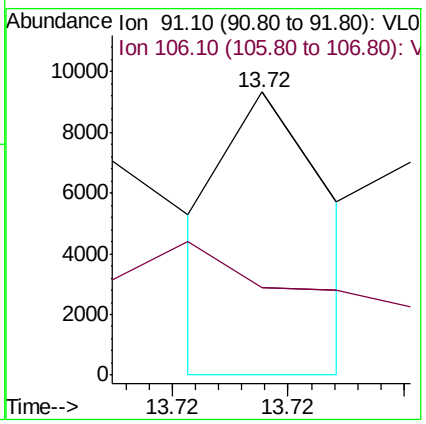


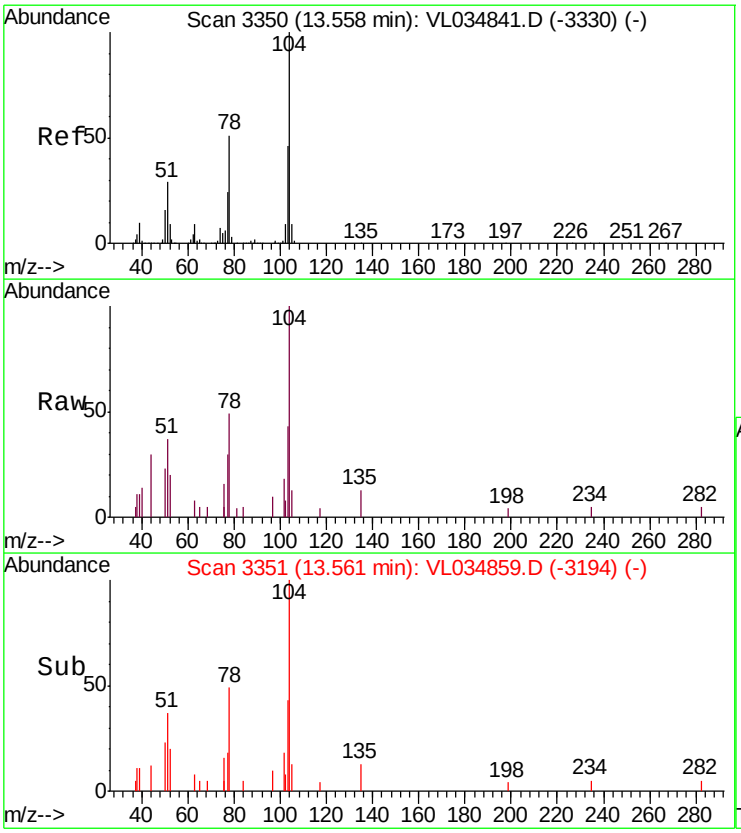
#60
o-Xylene
Concen: 0.014 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2902

Ion	Ratio	Lower	Upper
91	100		
106	262.1	22.5	67.5#

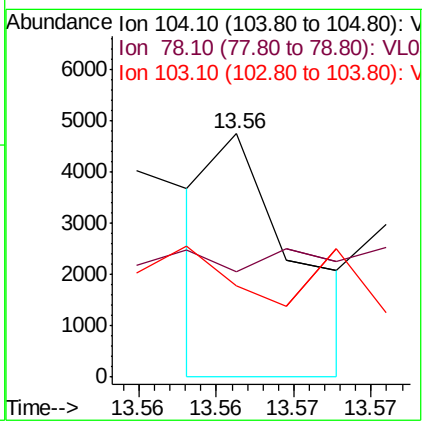


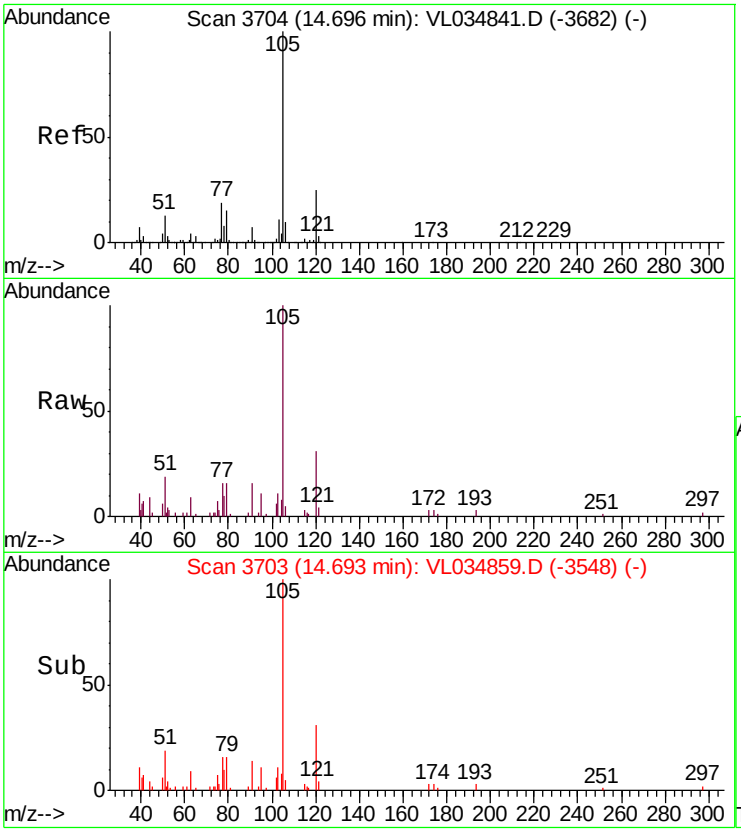


#61
Styrene
Concen: 0.012 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:104 Resp: 1755

Ion	Ratio	Lower	Upper
104	100		
78	0.0	41.8	62.6#
103	0.0	37.8	56.6#



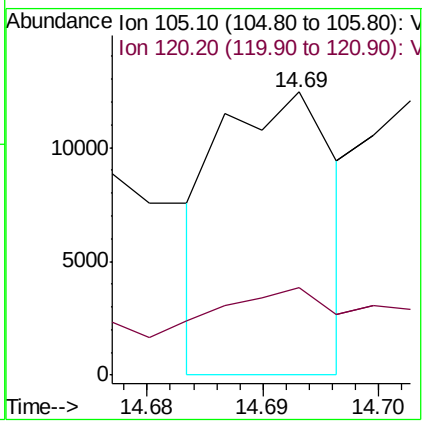


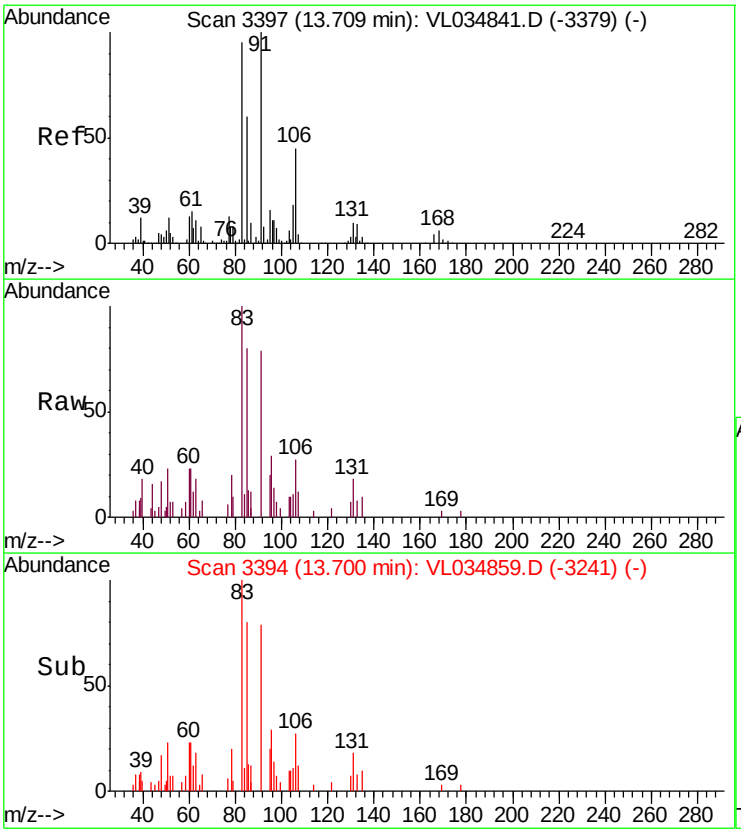
#62
Isopropylbenzene
Concen: 0.027 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 8511

Ion	Ratio	Lower	Upper
105	100		
120	93.1	21.0	31.4#

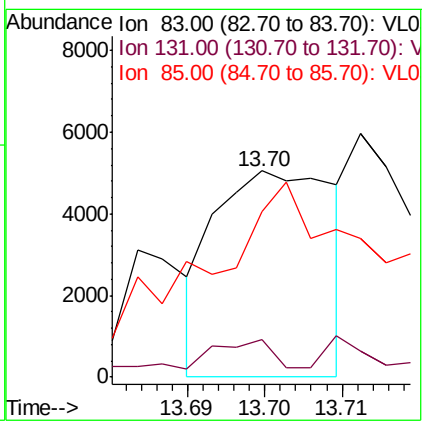


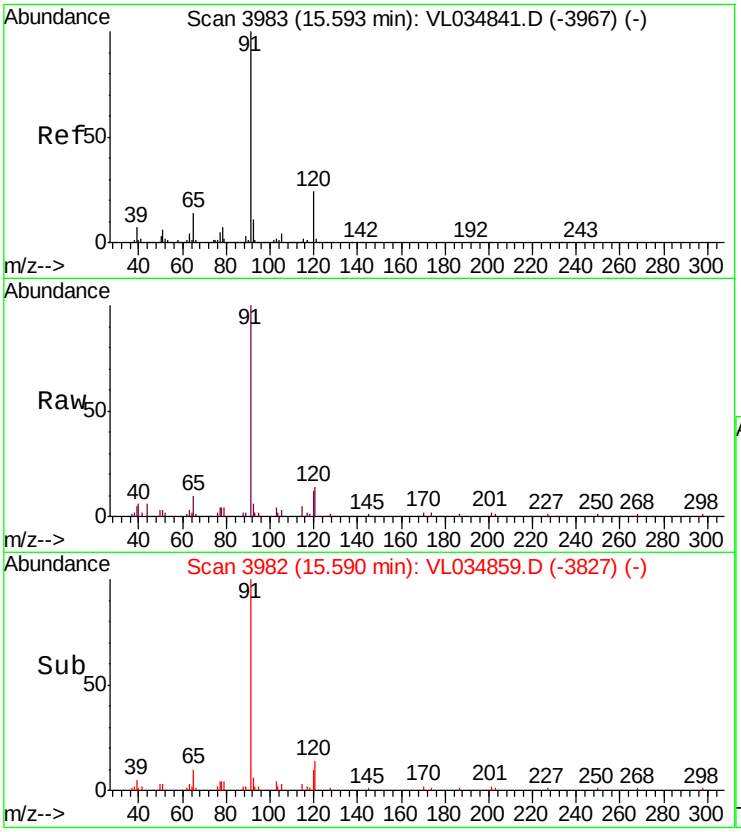


#63
1,1,2,2-Tetrachloroethane
Concen: 0.037 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 83 Resp: 5396

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	189.1	32.4	97.2#



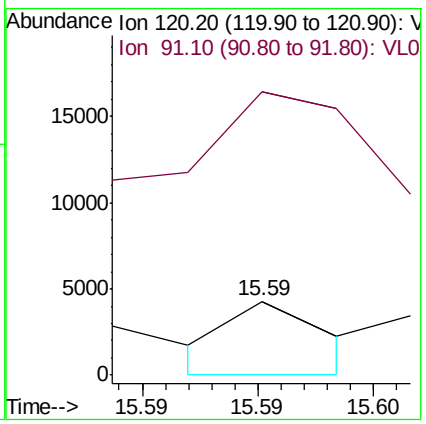


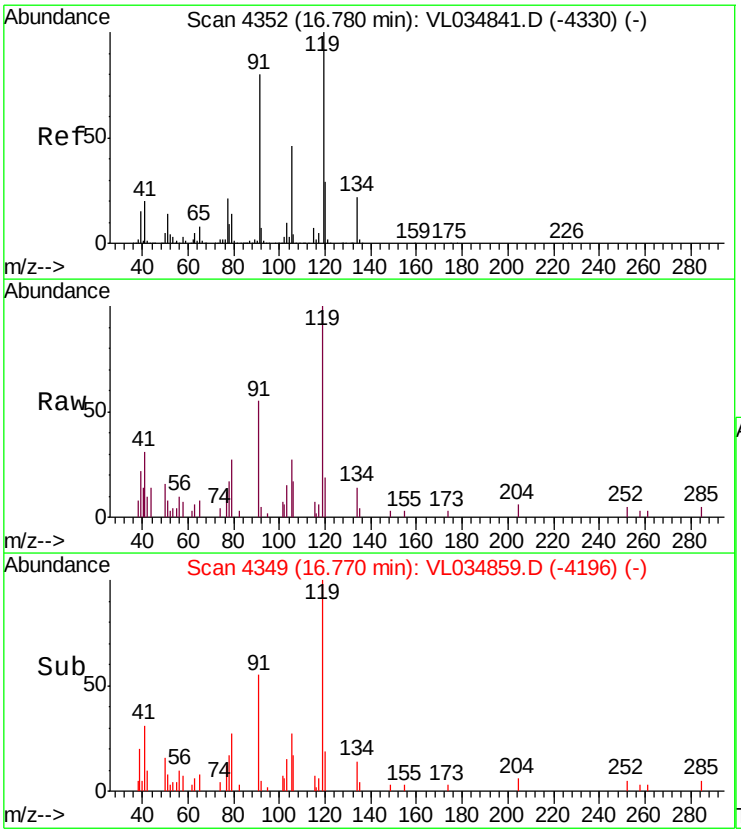
#64
n-propylbenzene
Concen: 0.015 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:120 Resp: 1259

Ion	Ratio	Lower	Upper
120	100		
91	2805.6	360.9	541.3#

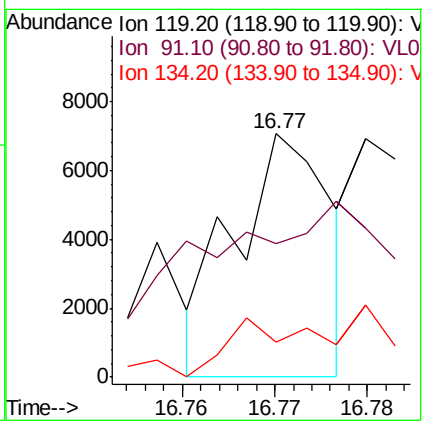


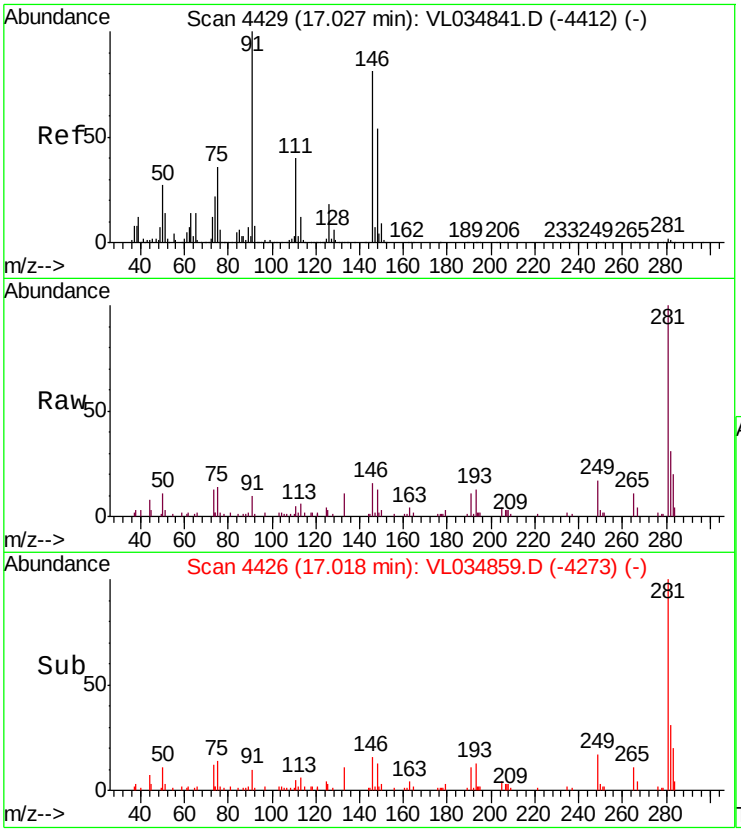


#65
tert-Butylbenzene
Concen: 0.018 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:119 Resp: 5075

Ion	Ratio	Lower	Upper
119	100		
91	0.0	64.9	97.3#
134	0.0	15.9	23.9#



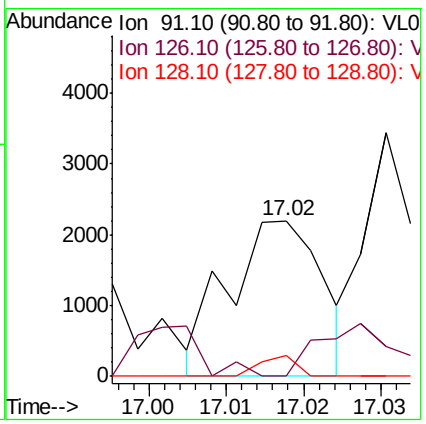


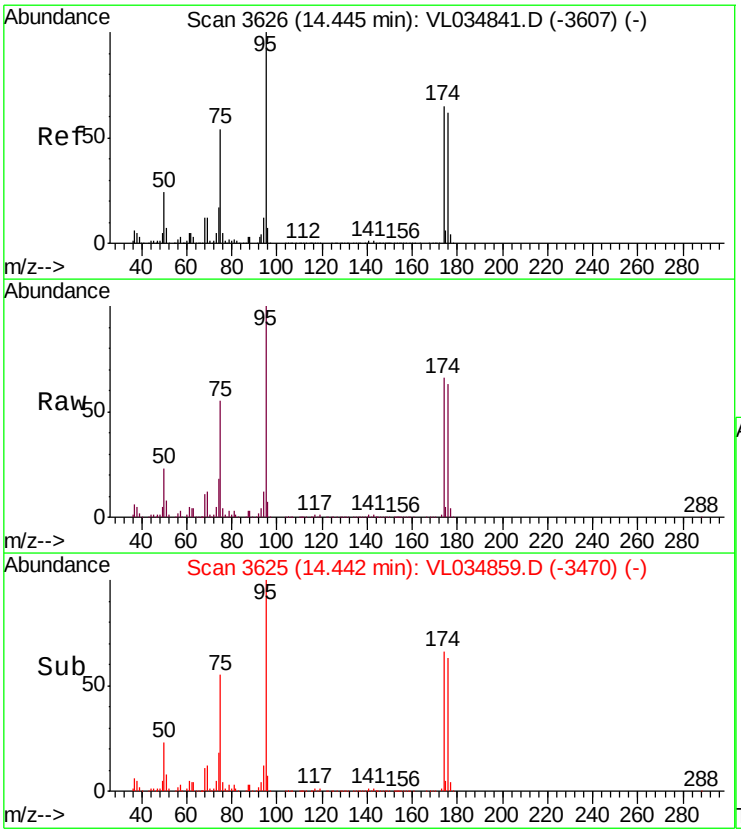
#66
Benzyl Chloride
Concen: 0.016 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 1857

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.7	22.1#
128	5.2	4.7	7.1

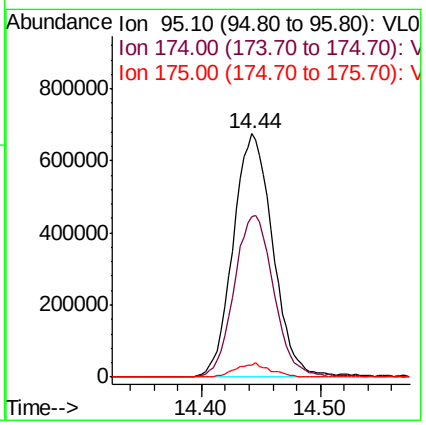


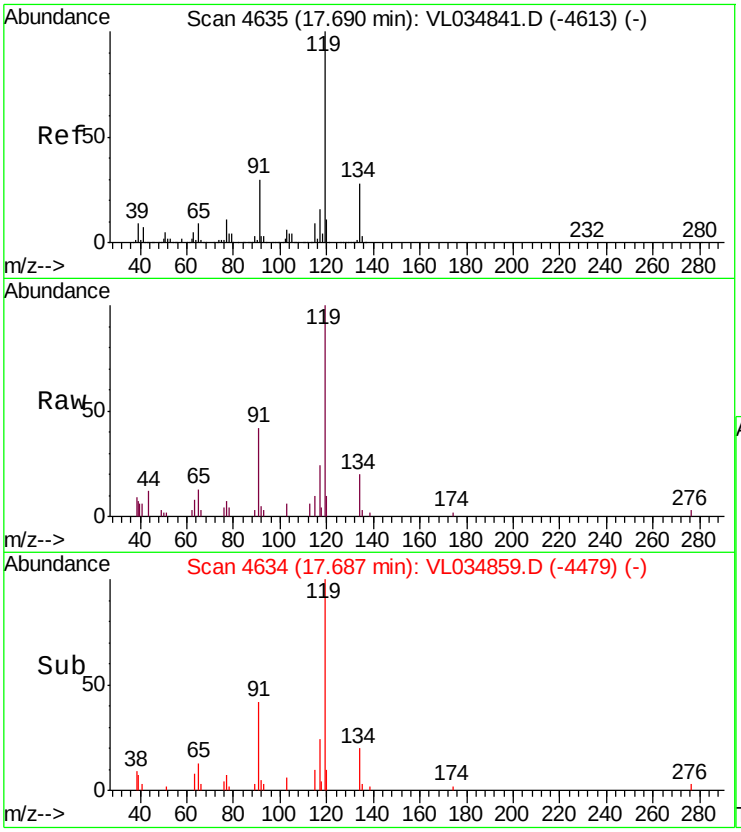


#68
1-Bromo-4-Fluorobenzene
Concen: 10.422 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 95 Resp: 1557729

Ion	Ratio	Lower	Upper
95	100		
174	66.9	55.2	82.8
175	5.1	4.3	6.5



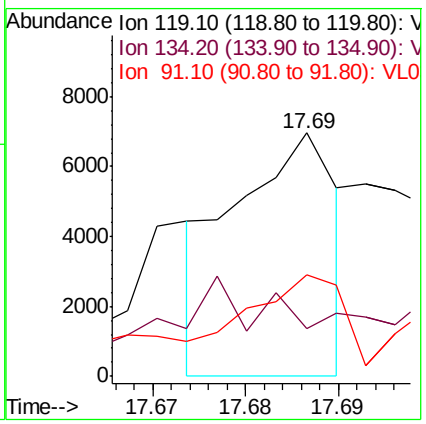


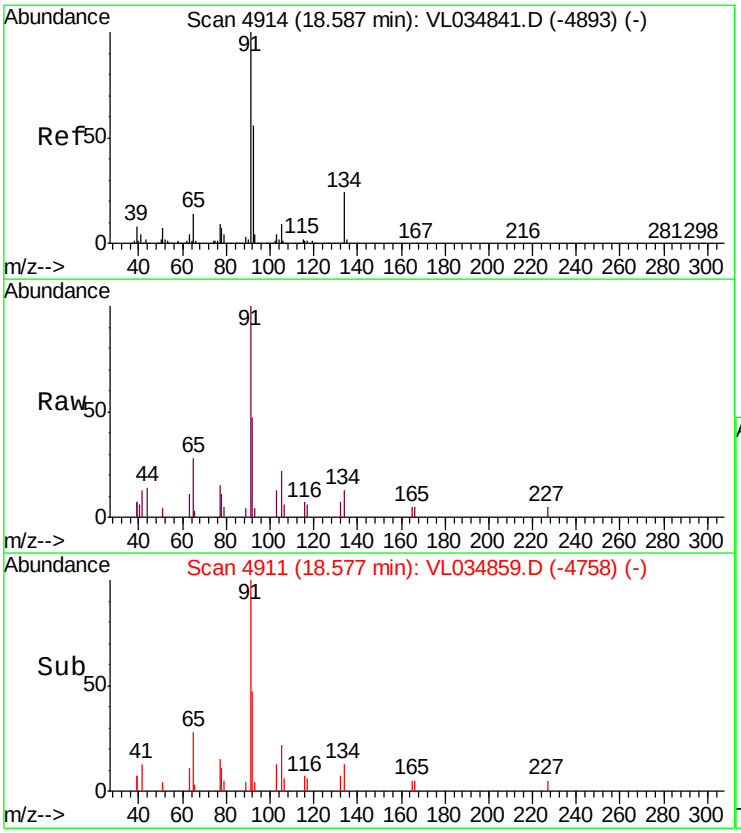
#69
p-Isopropyltoluene
Concen: 0.016 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 5348

Ion	Ratio	Lower	Upper
119	100		
134	103.5	20.6	30.8#
91	109.3	23.4	35.2#

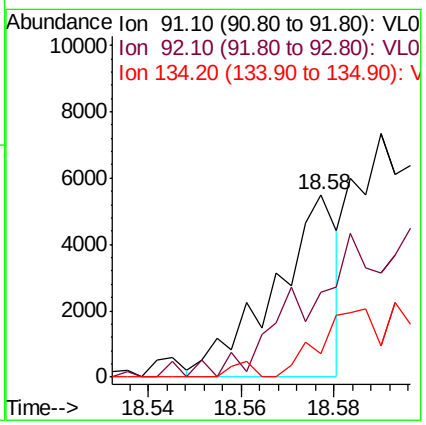


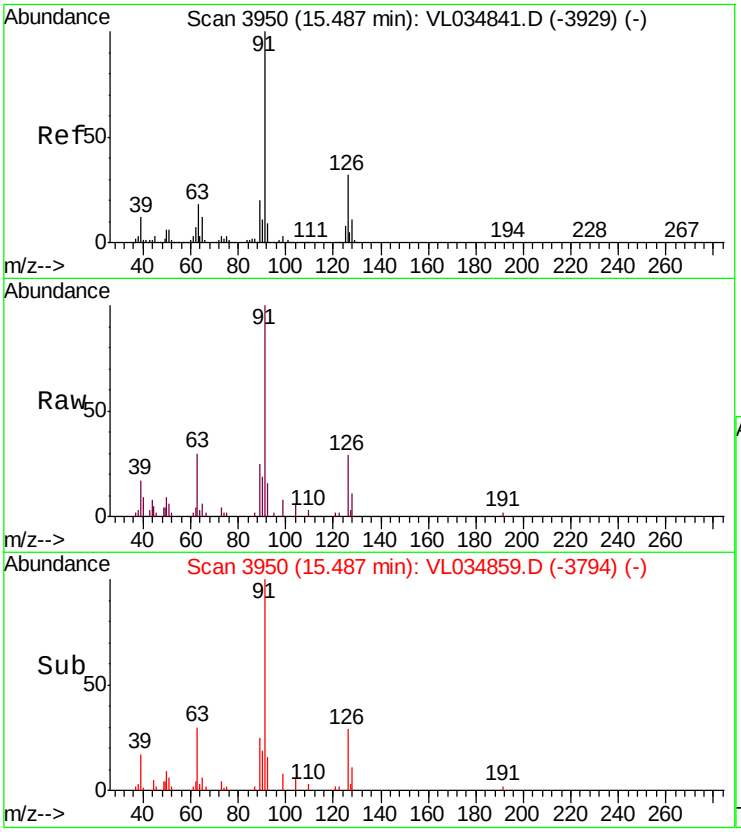


#70
n-Butylbenzene
Concen: 0.015 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion: 91 Resp: 5139

Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.8	65.6#
134	0.0	19.0	28.4#



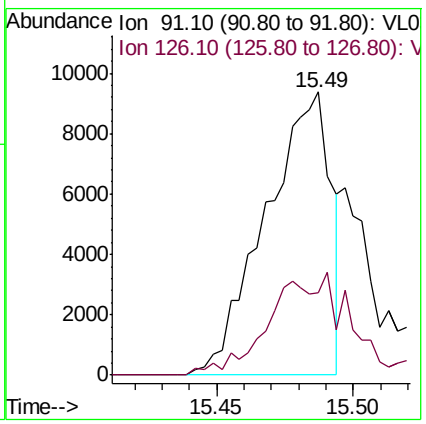


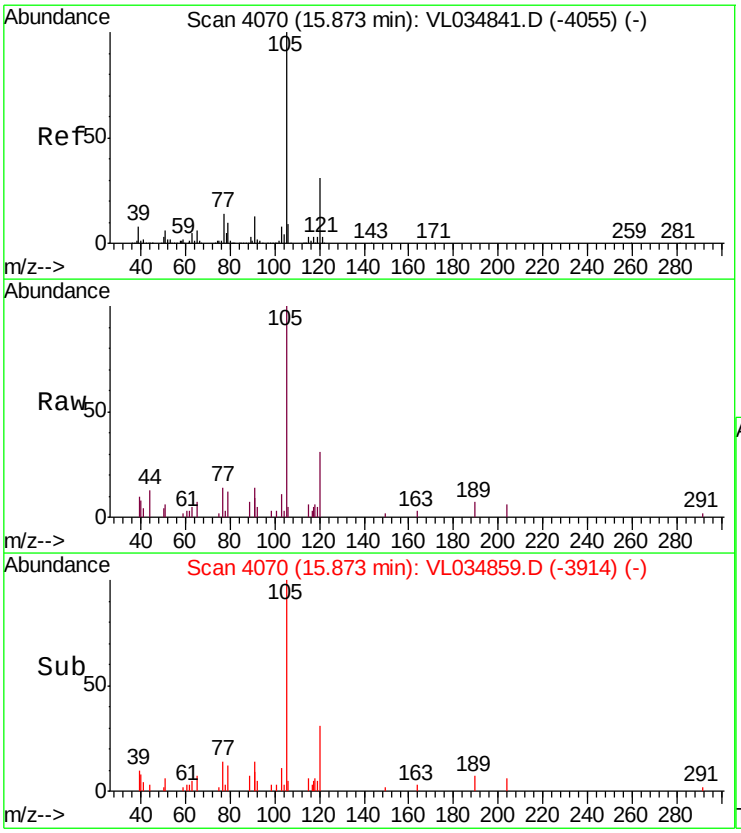
#71
2-Chlorotoluene
Concen: 0.064 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 15542

Ion	Ratio	Lower	Upper
91	100		
126	44.0	12.3	49.1

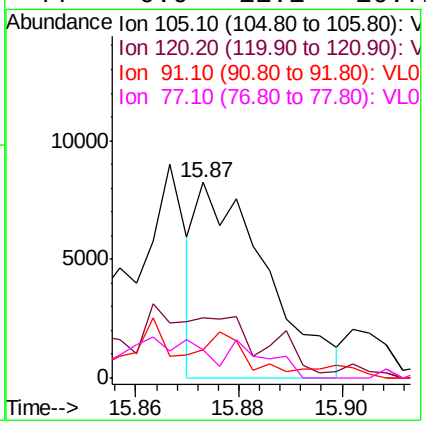


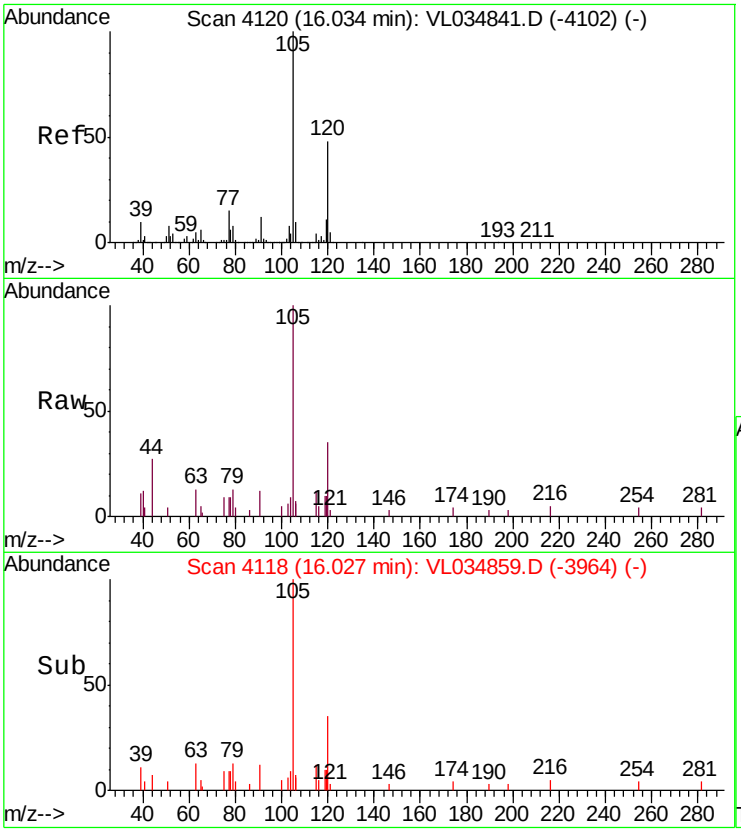


#72
4-Ethyltoluene
Concen: 0.031 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:105 Resp: 7668

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.7	35.5#
91	0.0	10.5	15.7#
77	0.0	11.1	16.7#



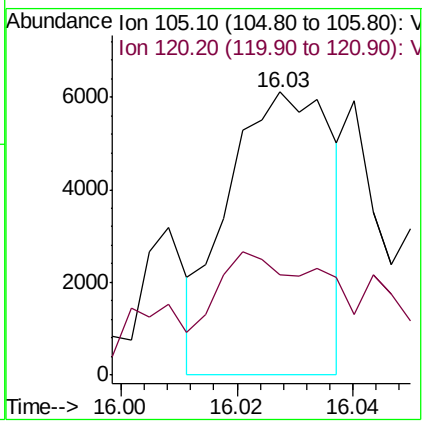


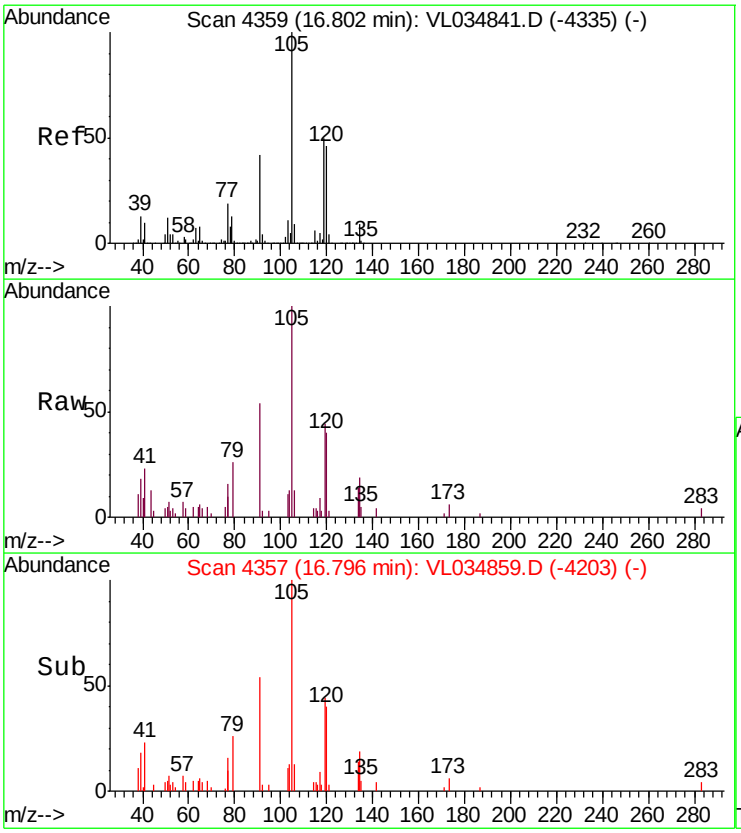
#73
1,3,5-Trimethylbenzene
Concen: 0.032 ppbv
RT: 16.03 min Scan# 4118
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 7578

Ion	Ratio	Lower	Upper
105	100		
120	30.7	38.6	58.0#

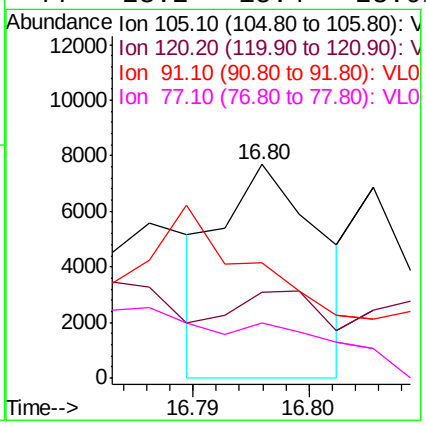


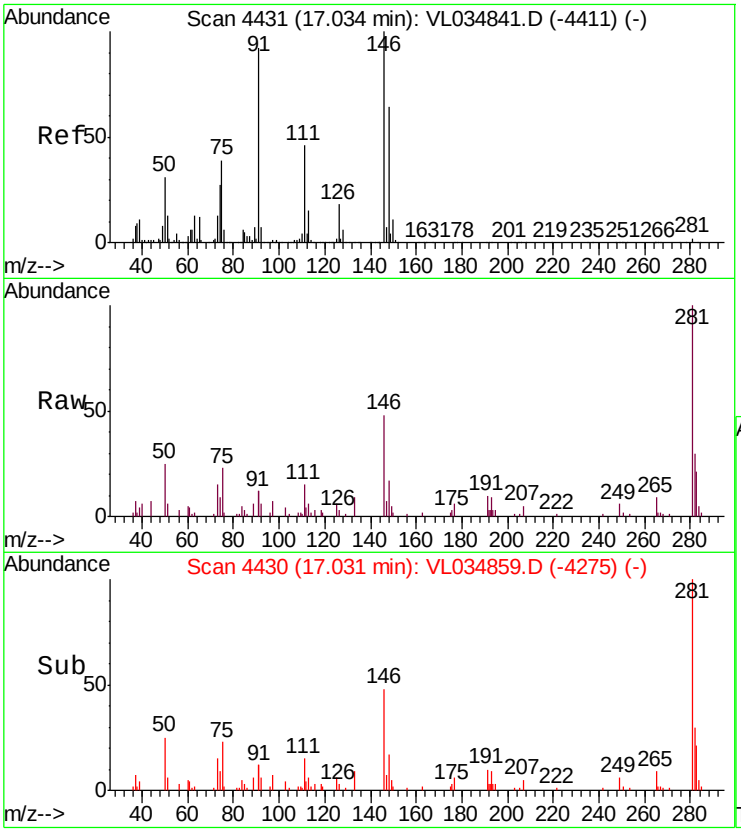


#74
1,2,4-Trimethylbenzene
Concen: 0.019 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:105 Resp: 4583

Ion	Ratio	Lower	Upper
105	100		
120	53.6	37.0	55.4
91	65.4	33.8	50.6#
77	23.2	15.4	23.0#



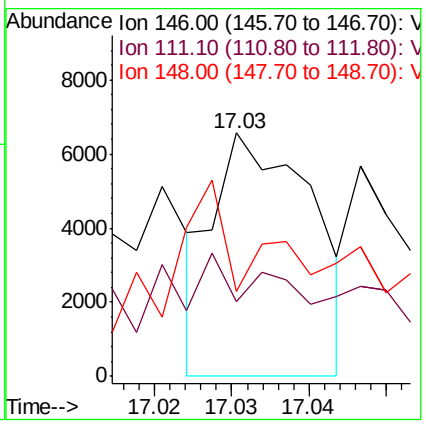


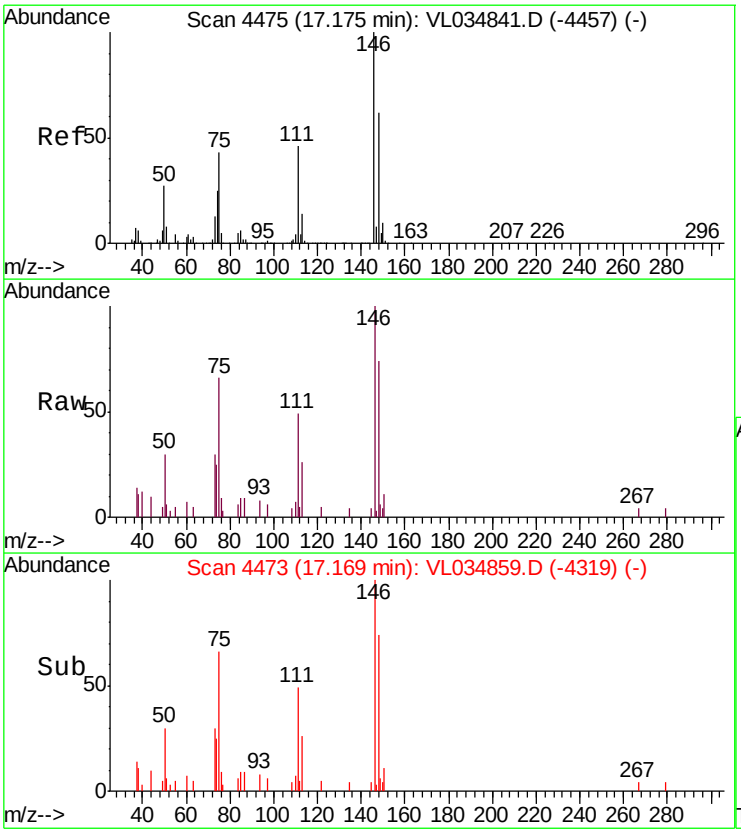
#75
1,3-Dichlorobenzene
Concen: 0.040 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 5817

Ion	Ratio	Lower	Upper
146	100		
111	136.2	23.9	71.7#
148	175.8	32.5	97.5#

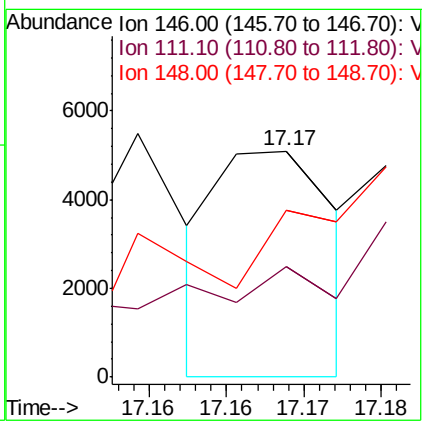


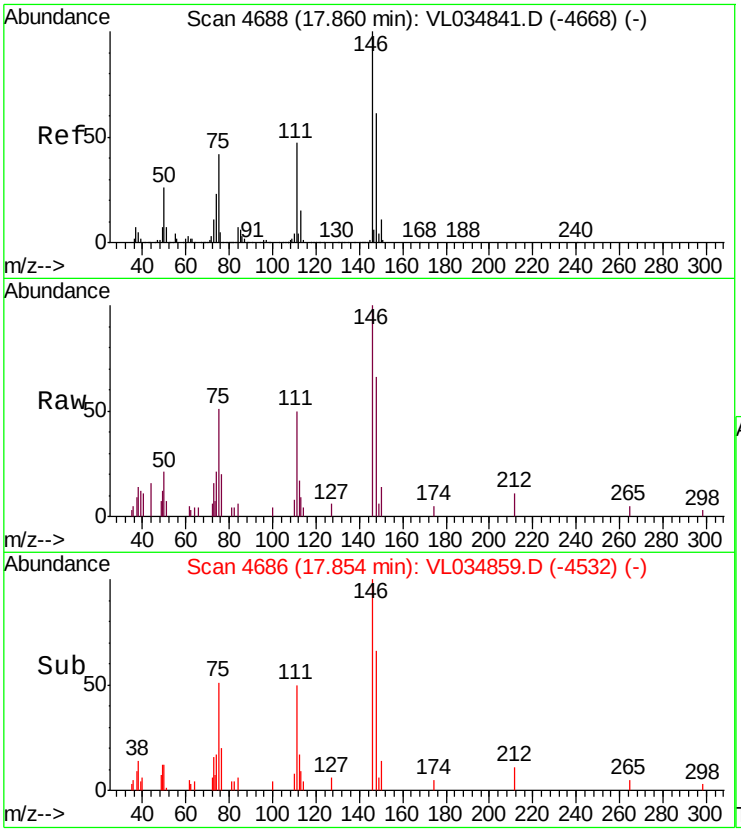


#76
1,4-Dichlorobenzene
Concen: 0.018 ppbv
RT: 17.17 min Scan# 4473
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:146 Resp: 2679

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.4	70.2#
148	0.0	32.3	96.9#



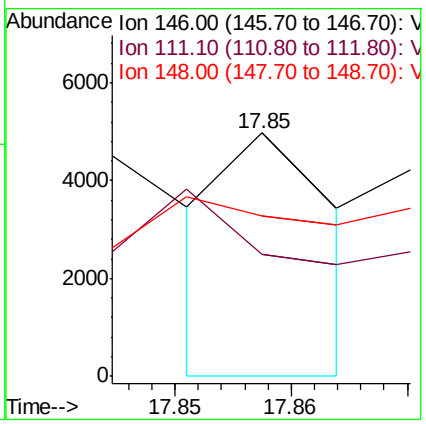


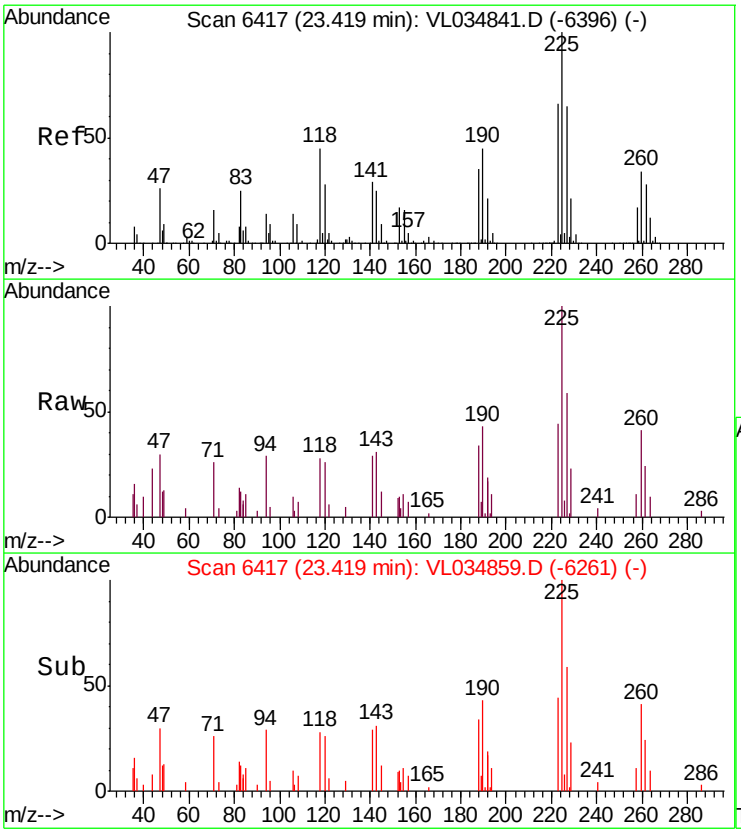
#77
1,2-Dichlorobenzene
Concen: 0.011 ppbv
RT: 17.85 min Scan# 4686
Delta R.T. -0.01 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1620

Ion	Ratio	Lower	Upper
146	100		
111	528.0	23.8	71.4#
148	619.0	31.6	94.8#

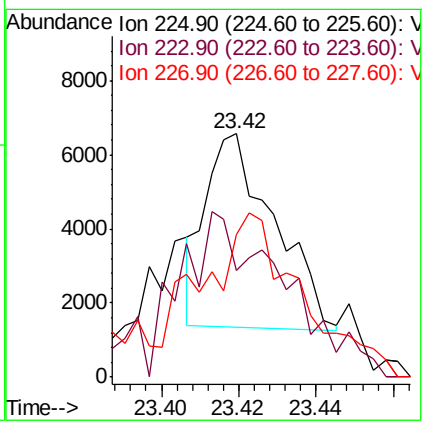


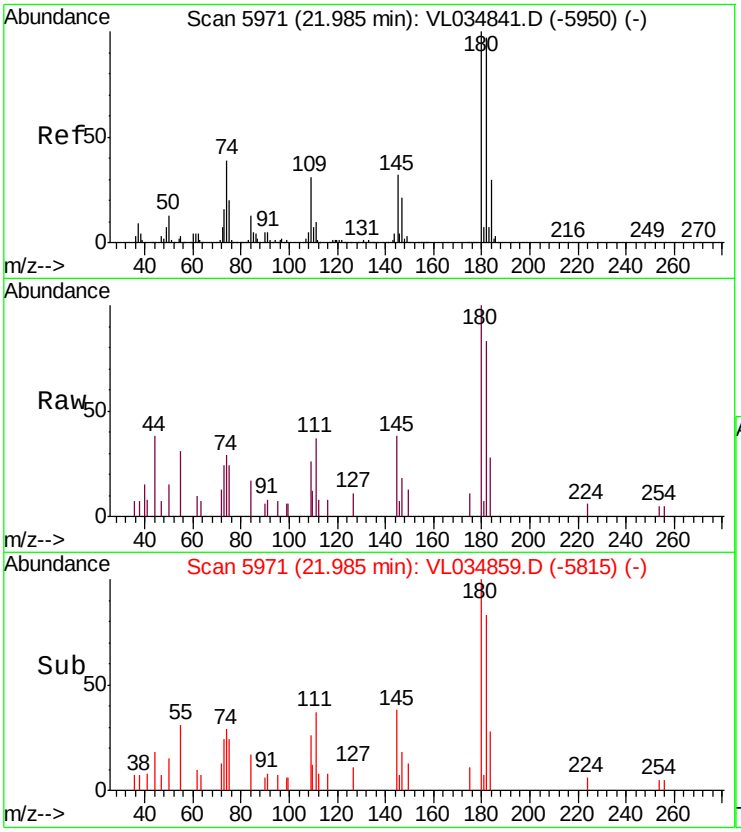


#78
Hexachloro-1,3-Butadiene
Concen: 0.055 ppbv
RT: 23.42 min Scan# 6417
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Tgt Ion:225 Resp: 6436

Ion	Ratio	Lower	Upper
225	100		
223	140.4	51.1	76.7#
227	140.7	51.8	77.6#





#81
1,2,4-Trichlorobenzene
Concen: 0.014 ppbv
RT: 21.99 min Scan# 5971
Delta R.T. 0.00 min
Lab File: VL034859.D
Acq: 10 Mar 2020 4:21

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1703

Ion	Ratio	Lower	Upper
180	100		
182	454.7	76.6	115.0#
184	143.5	25.0	37.4#