Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112519\
Data File : VL034419.D
Acq On : 25 Nov 2019 23:35
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 26 00:46:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	898642	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1790228	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1916456	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1557080	9.66	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1845479	11.352	ppbv	100
3) Chlorodifluoromethane	2.96	51	1104928	9.855	ppbv	100
4) Chloromethane	3.11	50	663972	10.040	ppbv	98
5) Vinyl Chloride	3.23	62	601750	9.711	ppbv	93
6) Bromomethane	3.45	94	324652	10.413	ppbv	87
7) Chloroethane	3.54	64	226703	10.080	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	1406502	9.634	ppbv	99
9) Propene	2.98	41	475230	9.547	ppbv	98
10) Heptane	8.16	43	1311347	10.208	ppbv	100
11) Trichlorofluoromethane	3.94	101	1589858	9.826	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1061147	9.876	ppbv	99
13) Ethanol	3.59	45	98714	7.119	ppbv	99
14) Bromoethene	3.72	108	439559	10.061	ppbv	99
15) Acetone	3.84	43	1287156	10.003	ppbv	98
16) 1,3-Butadiene	3.30	39	564691	10.074	ppbv	100
17) tert-Butyl alcohol	4.29	59	926950	8.570	ppbv	100
18) 1,1-Dichloroethene	4.28	96	479544	10.203	ppbv	96
19) Isopropyl Alcohol	3.95	45	737884	8.946	ppbv #	99
20) Methylene Chloride	4.34	84	406661	8.912	ppbv	90
21) Allyl Chloride	4.41	41	803321	10.418	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	485690	10.251	ppbv	96
23) Vinyl Acetate	5.08	43	1822772	10.843	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1277427	9.893	ppbv	100
25) Ethyl Acetate	5.69	43	2271310	9.891	ppbv	99
26) Hexane	5.70	57	962296	9.753	ppbv	98
27) Carbon Disulfide	4.55	76	1207525	11.236	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1603041	9.798	ppbv	99
29) Chloroform	5.77	83	1569750	9.824	ppbv	95
30) Cyclohexane	7.15	84	769927	10.322	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1048438	10.282	ppbv	96
32) 1,1,1-Trichloroethane	6.53	97	1568401	10.469	ppbv	99
34) 2-Butanone	5.25	43	1520729	10.320	ppbv	97
35) Carbon Tetrachloride	7.04	117	1662865	10.803	ppbv	98
36) Benzene	6.92	78	1833114	10.243	ppbv	97
37) 1,2-Dichloroethane	6.33	62	1362957	10.252	ppbv	100
38) Trichloroethene	7.87	130	731521	9.961	ppbv	98
39) 1,2-Dichloropropane	7.65	63	769041	11.154	ppbv	95
40) 1,4-Dioxane	7.86	88	152599	5.067	ppbv #	8
41) Tetrahydrofuran	6.06	42	857259	10.372	ppbv	98
42) Bromodichloromethane	7.83	83	1730073	10.405	ppbv	99
43) Methyl Methacrylate	8.05	69	791395	10.662	ppbv	99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112519\
Data File : VL034419.D
Acq On : 25 Nov 2019 23:35
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 26 00:46:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3302346	10.097	ppbv		100
45) t-1,3-Dichloropropene	9.32	75	1087862	11.428	ppbv		97
46) cis-1,3-Dichloropropene	8.74	75	1197277	11.198	ppbv		97
47) 1,1,2-Trichloroethane	9.52	97	771602	10.061	ppbv		97
48) Dibromochloromethane	10.35	129	1408233	10.694	ppbv		100
49) Bromoform	13.10	173	1243429	10.578	ppbv		99
50) 4-Methyl-2-Pentanone	8.78	43	2245710	10.533	ppbv		100
51) 2-Hexanone	10.17	43	1898000	10.628	ppbv		98
52) Tetrachloroethene	11.28	164	694460	8.969	ppbv		95
53) Toluene	9.85	91	2132101	10.489	ppbv		100
54) 1,2-Dibromoethane	10.66	107	1170485	9.955	ppbv		93
56) 1,1,1,2-Tetrachloroethane	12.18	131	926183	9.880	ppbv		94
57) Chlorobenzene	12.20	112	1605348	9.267	ppbv		99
58) Ethyl Benzene	12.76	91	2909736	9.784	ppbv		100
59) m/p-Xylene	13.05	91	2191378	8.524	ppbv	#	17
60) o-Xylene	13.75	91	2404805	9.461	ppbv		99
61) Styrene	13.58	104	1767131	9.641	ppbv		99
62) Isopropylbenzene	14.73	105	3130257	9.311	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1641913	8.593	ppbv		99
64) n-propylbenzene	15.62	120	816018	9.347	ppbv		98
65) tert-Butylbenzene	16.81	119	2753245	9.118	ppbv		100
66) Benzyl Chloride	17.06	91	1264816	10.888	ppbv		99
67) sec-Butylbenzene	17.36	105	3817253	9.037	ppbv		100
69) p-Isopropyltoluene	17.72	119	3208295	9.152	ppbv		99
70) n-Butylbenzene	18.62	91	3461006	9.175	ppbv		99
71) 2-Chlorotoluene	15.52	91	2451032	9.144	ppbv		99
72) 4-Ethyltoluene	15.90	105	2735447	9.314	ppbv		100
73) 1,3,5-Trimethylbenzene	16.06	105	2622528	9.122	ppbv		97
74) 1,2,4-Trimethylbenzene	16.83	105	2710992	8.877	ppbv		92
75) 1,3-Dichlorobenzene	17.07	146	1539997	8.773	ppbv		99
76) 1,4-Dichlorobenzene	17.21	146	1539521	9.032	ppbv		99
77) 1,2-Dichlorobenzene	17.89	146	1505050	8.877	ppbv		98
78) Hexachloro-1,3-Butadiene	23.45	225	1574283	10.807	ppbv		99
79) Naphthalene	22.29	128	2929131	11.064	ppbv		99
80) Naphthalene,2-methyl-	25.03	142	1450624	12.135	ppbv		99
81) 1,2,4-Trichlorobenzene	22.01	180	1705761	10.488	ppbv		99

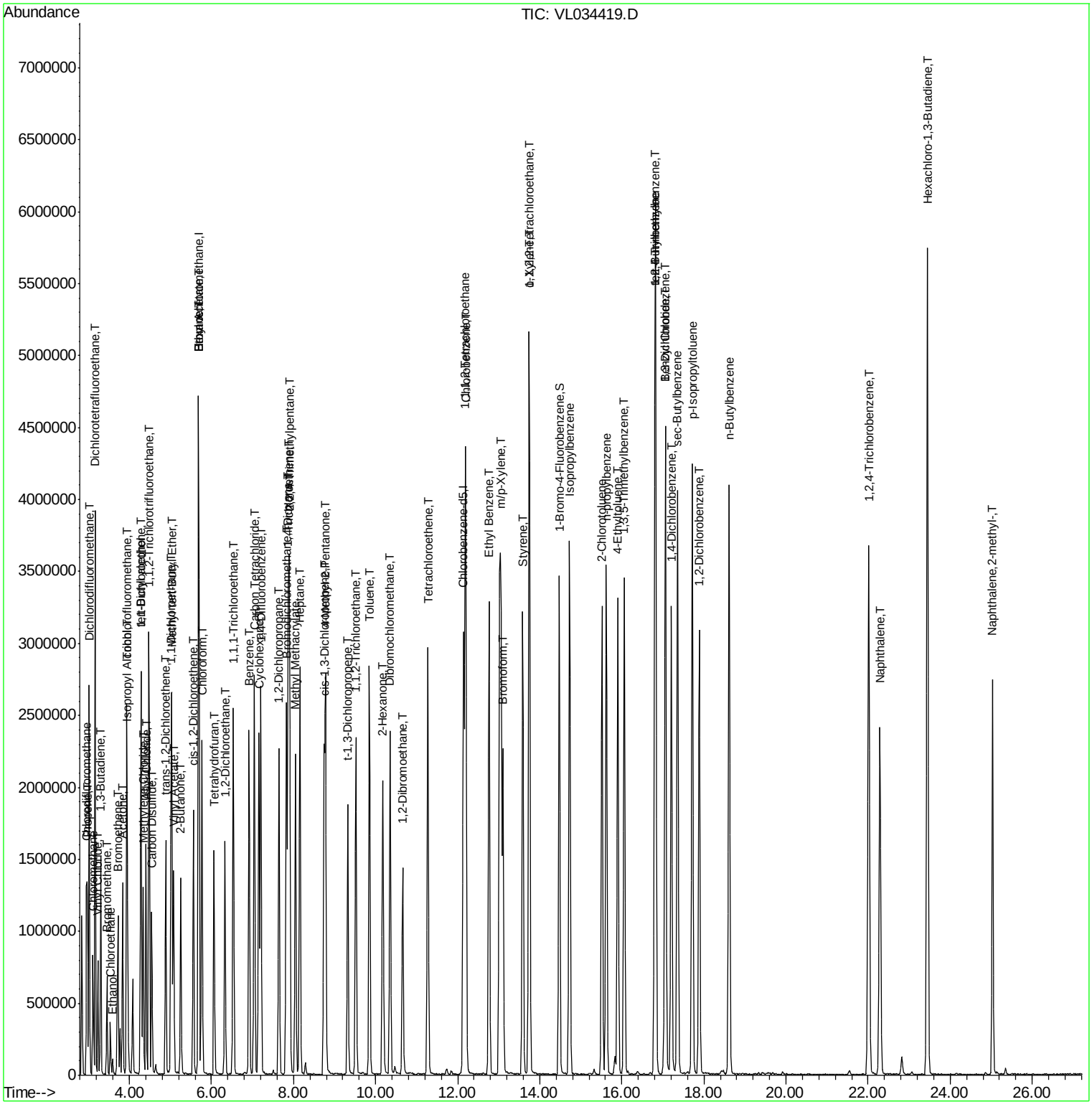
(#) = qualifier out of range (m) = manual integration (+) = signals summed

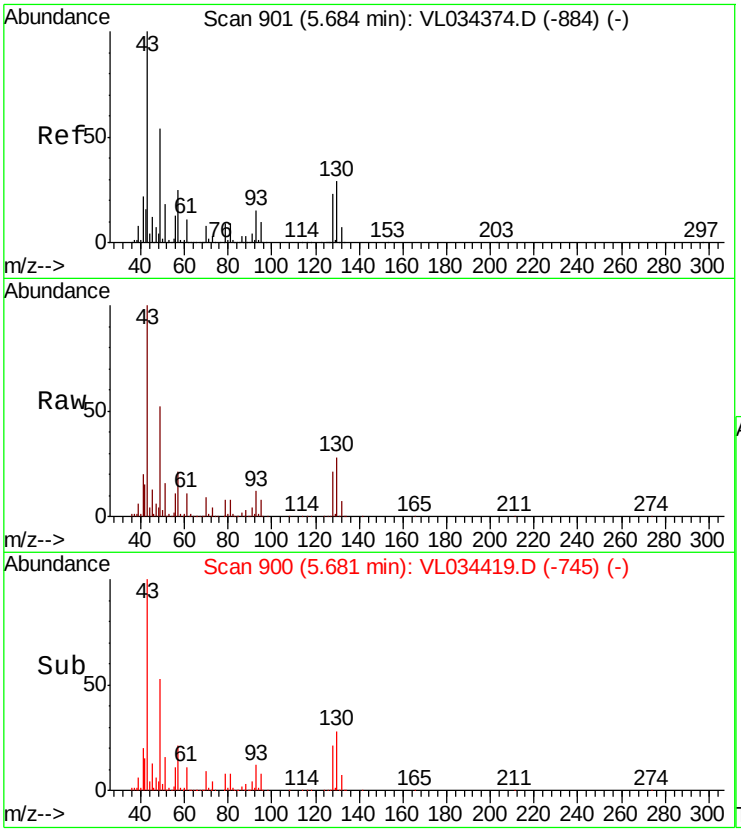
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112519\
Data File : VL034419.D
Acq On : 25 Nov 2019 23:35
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Nov 26 00:46:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



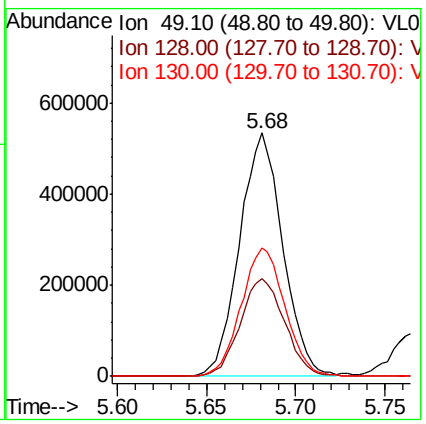


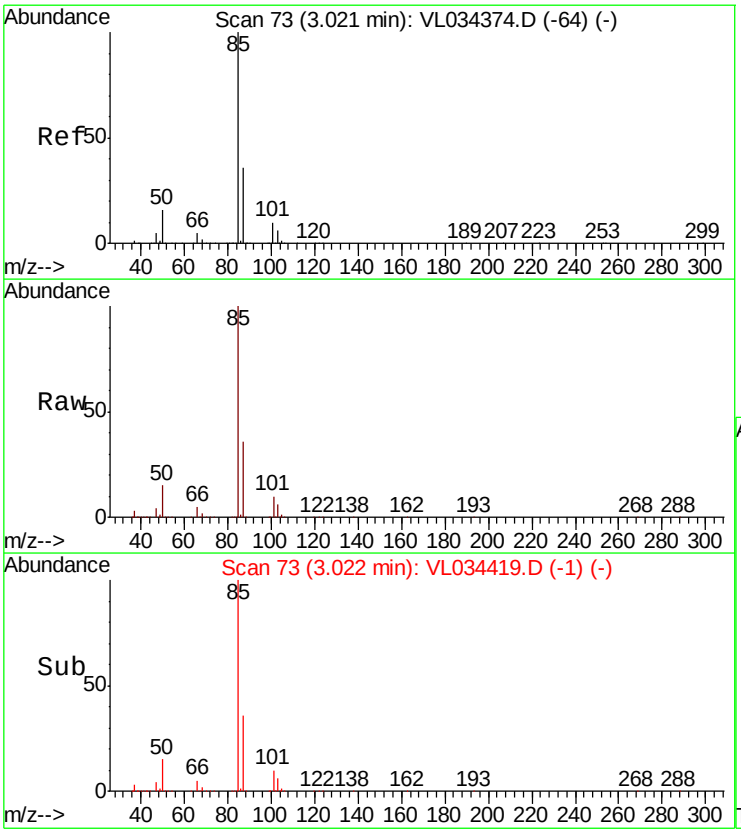
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 898642

Ion	Ratio	Lower	Upper
49	100		
128	41.6	21.8	65.3
130	53.6	28.0	84.0

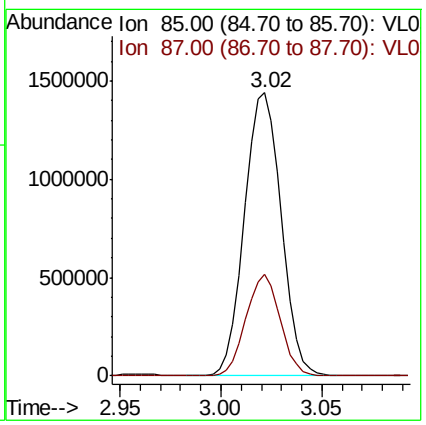


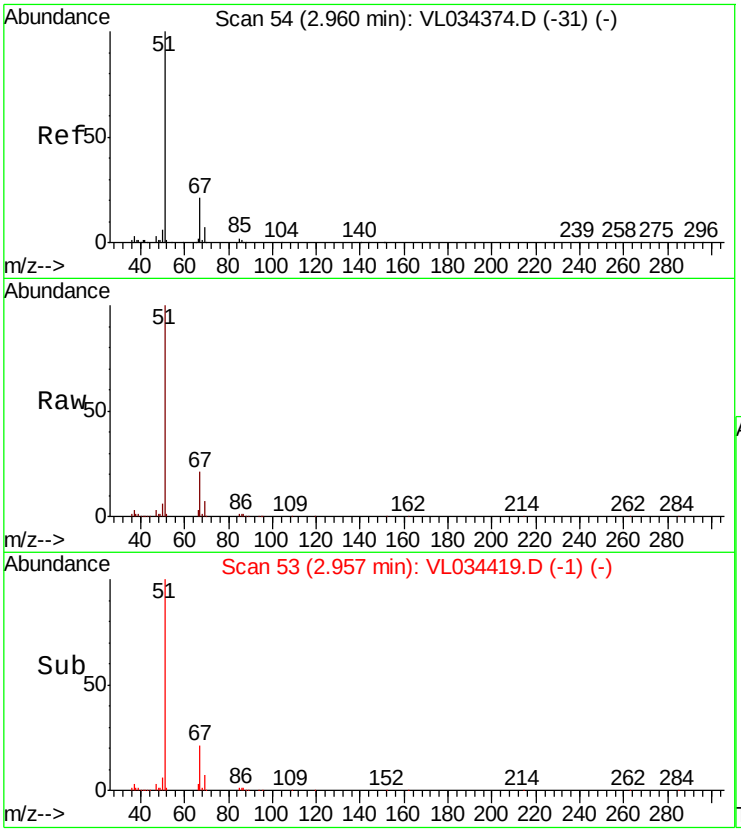


#2
Dichlorodifluoromethane
Concen: 11.352 ppbv
RT: 3.02 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 85 Resp: 1845479

Ion	Ratio	Lower	Upper
85	100		
87	35.7	28.5	42.7

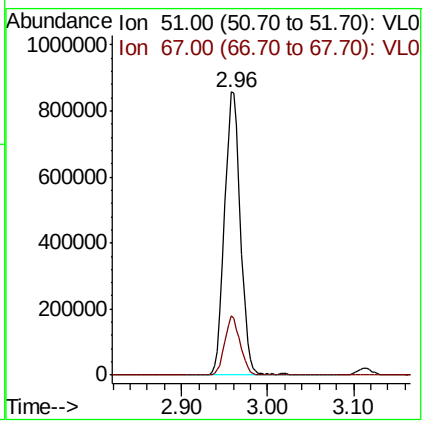




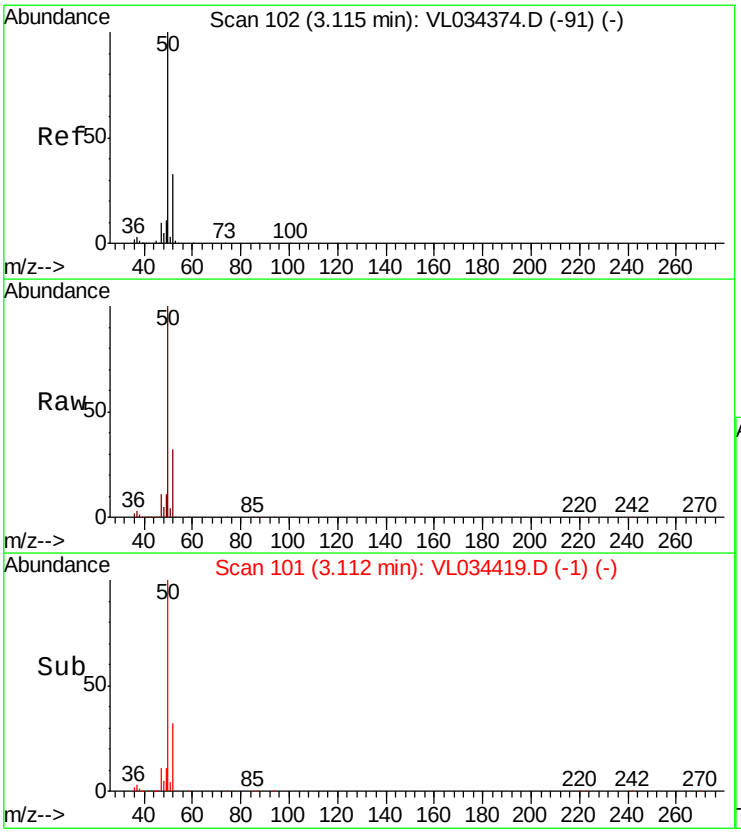
#3
Chlorodifluoromethane
Concen: 9.855 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 51 Resp: 1104928

Ion	Ratio	Lower	Upper
51	100		
67	20.0	16.2	24.2



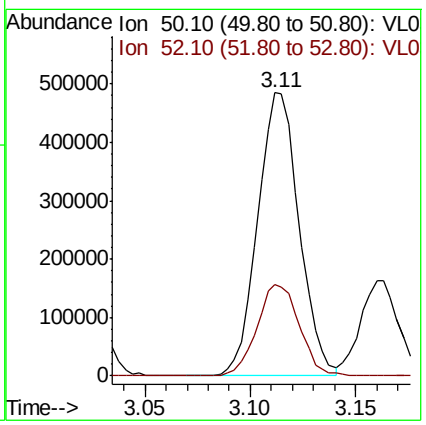
Instrument :
MSVOA_L
ClientSampleId :

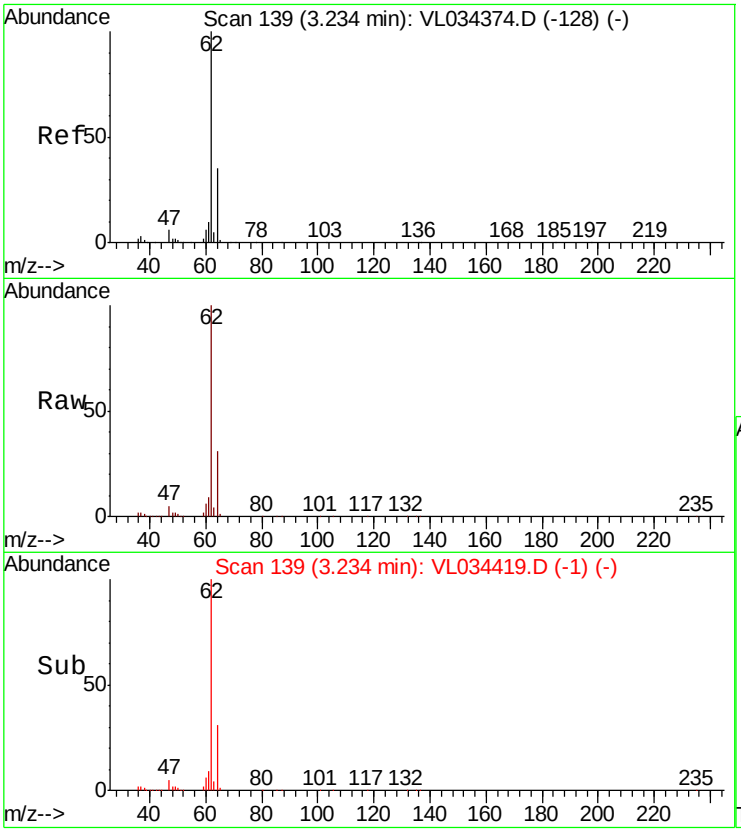


#4
Chloromethane
Concen: 10.040 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 50 Resp: 663972

Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.8	40.2



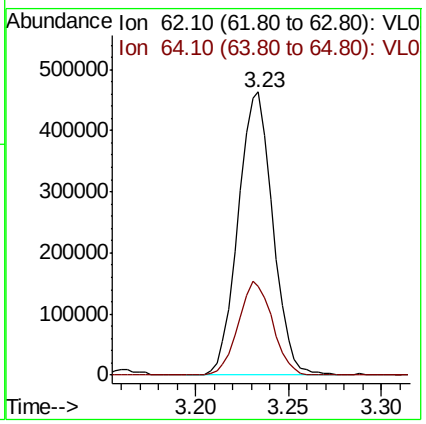


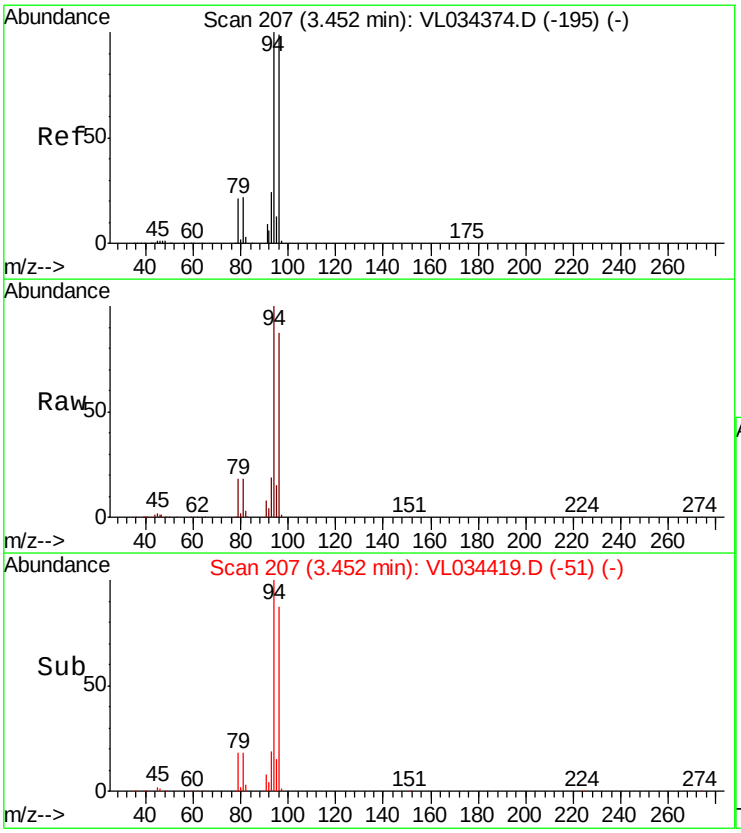
#5
Vinyl Chloride
Concen: 9.711 ppbv
RT: 3.23 min Scan# 139
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 601750

Ion	Ratio	Lower	Upper
62	100		
64	31.5	28.4	42.6

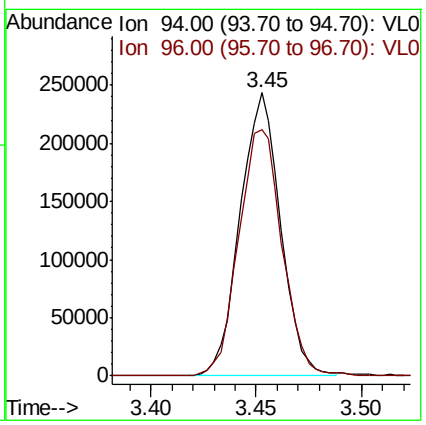


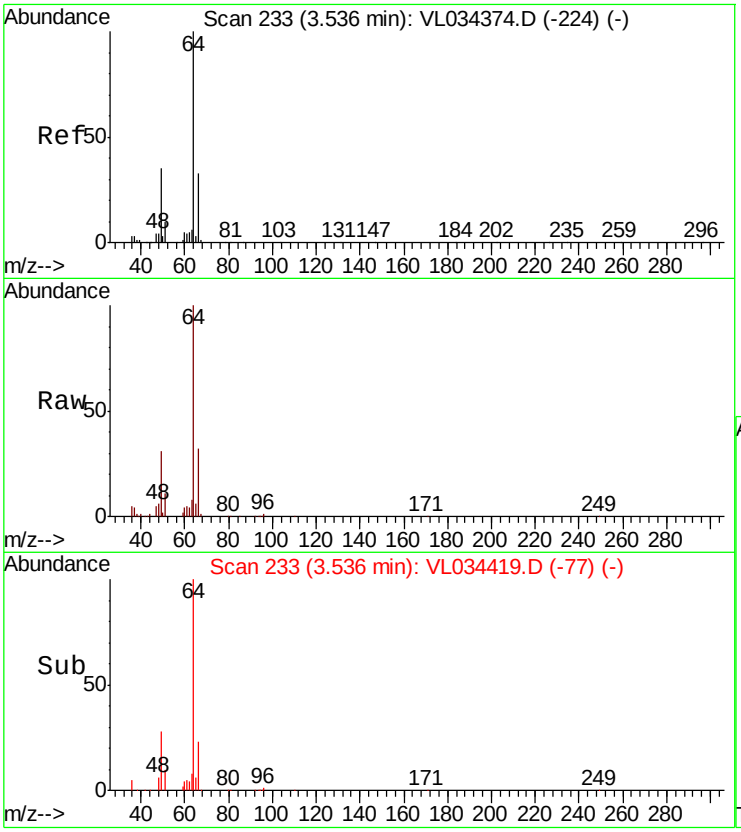


#6
Bromomethane
Concen: 10.413 ppbv
RT: 3.45 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 94 Resp: 324652

Ion	Ratio	Lower	Upper
94	100		
96	86.9	79.5	119.3



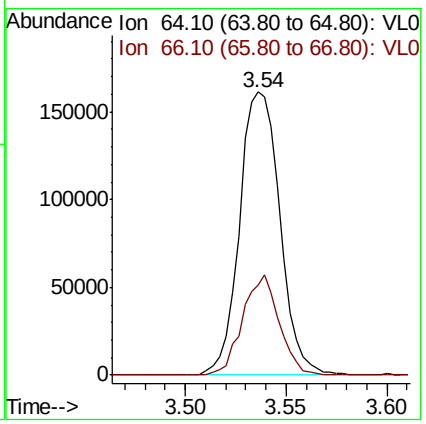


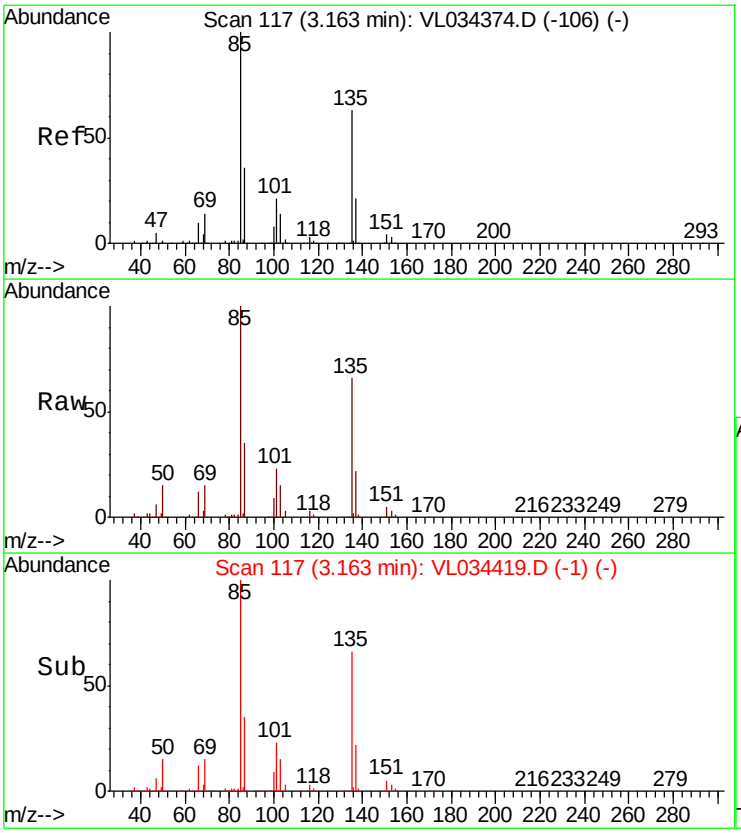
#7
Chloroethane
Concen: 10.080 ppbv
RT: 3.54 min Scan# 233
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 226703

Ion	Ratio	Lower	Upper
64	100		
66	31.9	26.0	39.0

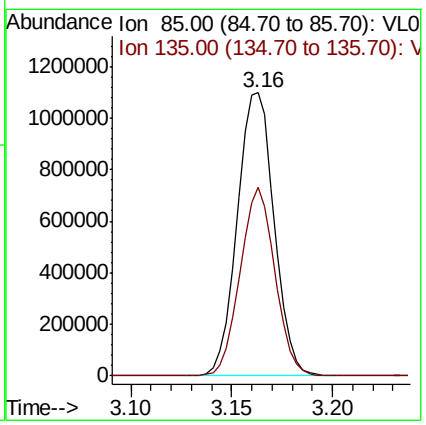


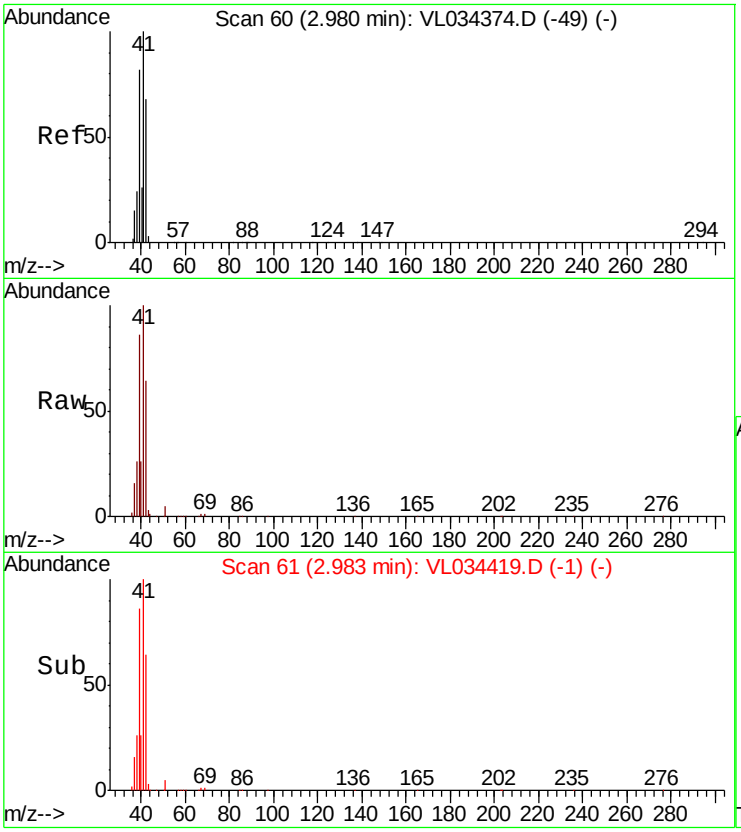


#8
Dichlorotetrafluoroethane
Concen: 9.634 ppbv
RT: 3.16 min Scan# 117
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 85 Resp: 1406502

Ion	Ratio	Lower	Upper
85	100		
135	63.1	51.1	76.7



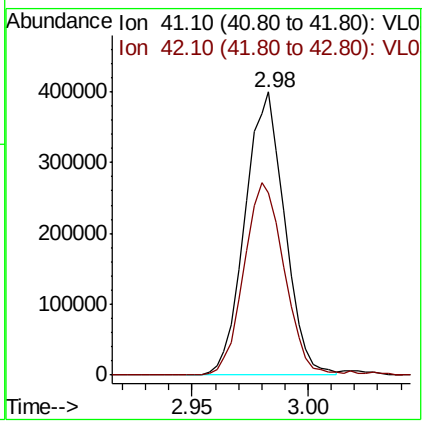


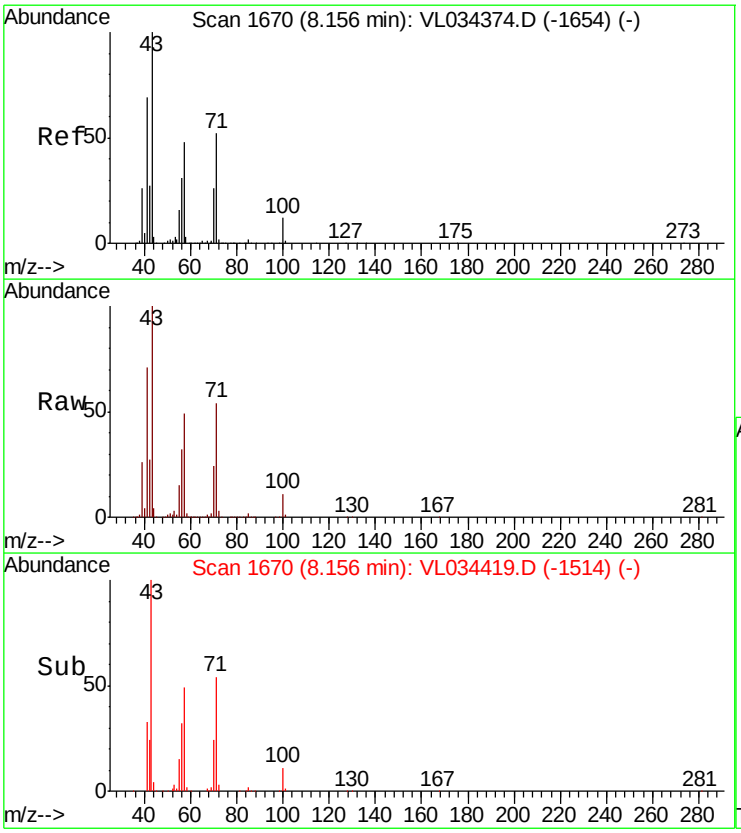
#9
Propene
Concen: 9.547 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 475230

Ion	Ratio	Lower	Upper
41	100		
42	70.0	54.6	82.0

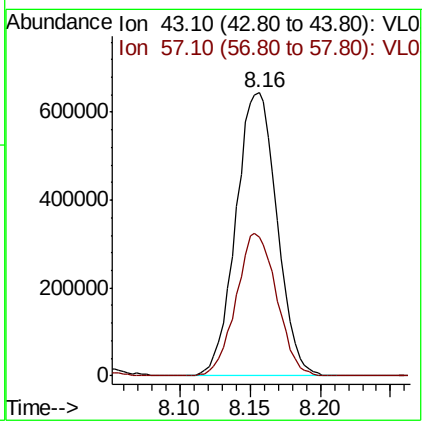


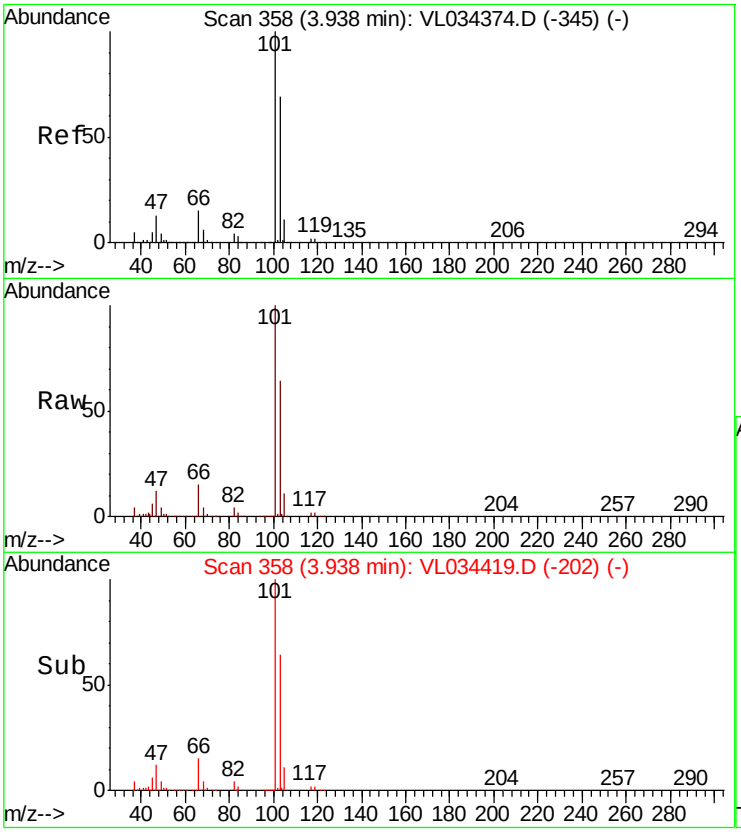


#10
Heptane
Concen: 10.208 ppbv
RT: 8.16 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 43 Resp: 1311347

Ion	Ratio	Lower	Upper
43	100		
57	50.0	40.2	60.2



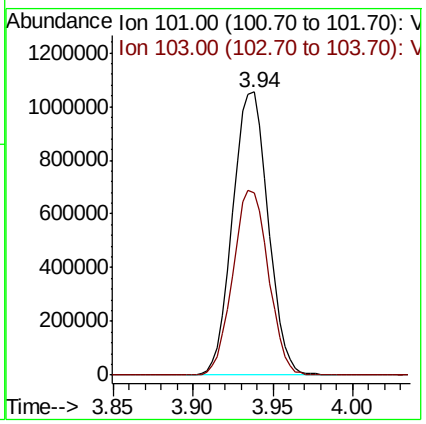


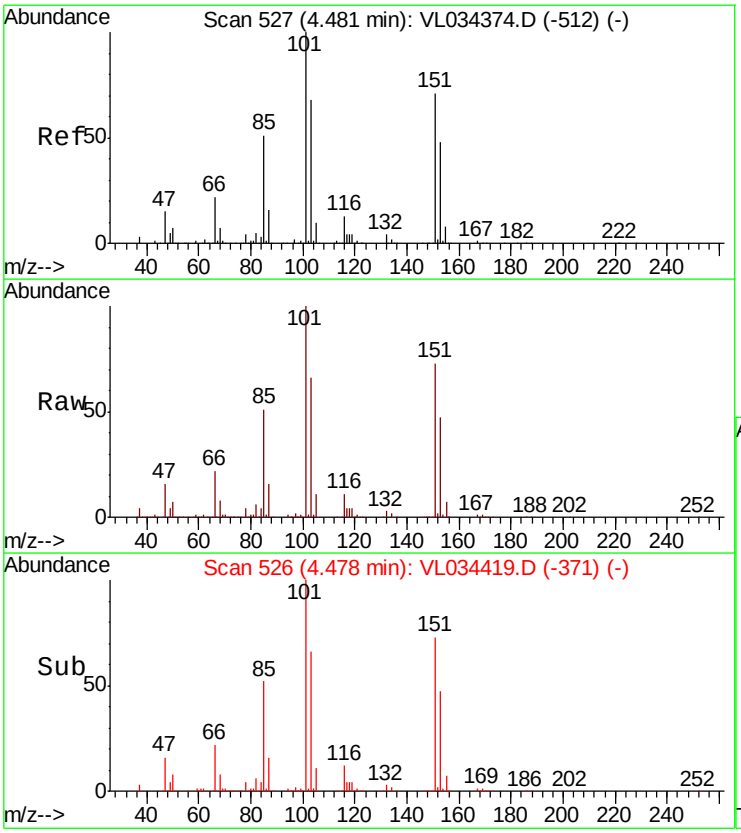
#11
Trichlorofluoromethane
Concen: 9.826 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1589858

Ion	Ratio	Lower	Upper
101	100		
103	64.2	55.4	83.0

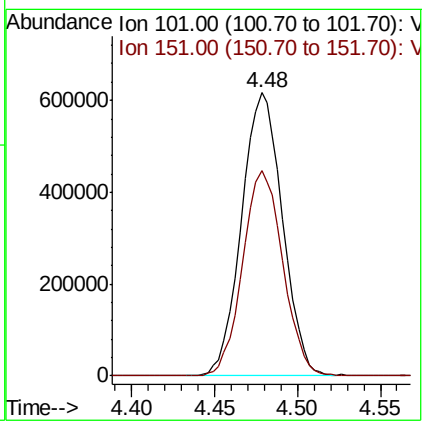


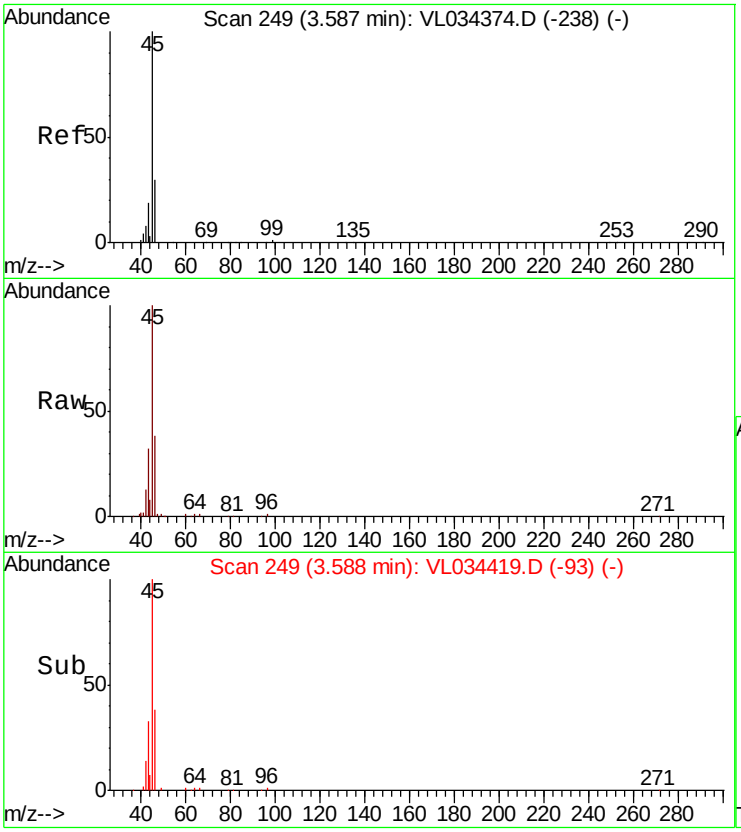


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.876 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:101 Resp: 1061147

Ion	Ratio	Lower	Upper
101	100		
151	71.2	57.4	86.2



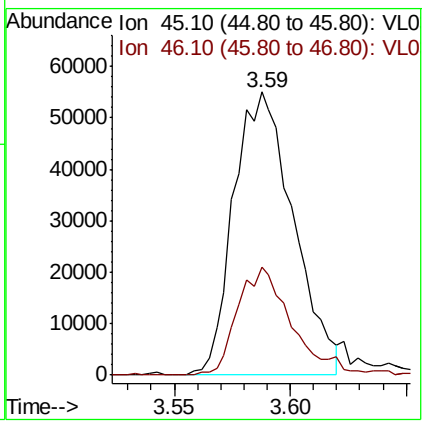


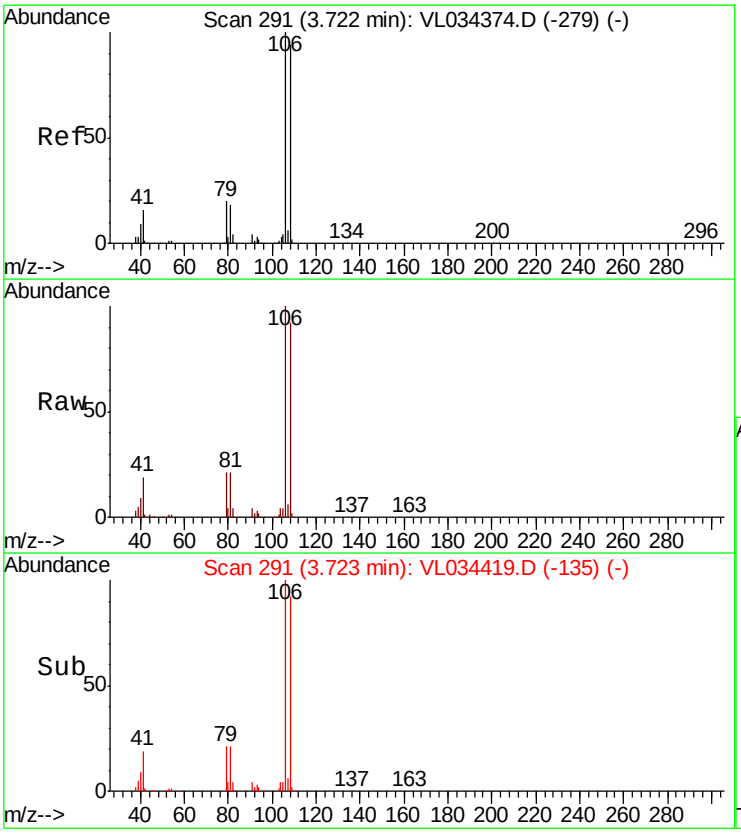
#13
Ethanol
Concen: 7.119 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 98714

Ion	Ratio	Lower	Upper
45	100		
46	34.9	13.8	55.4

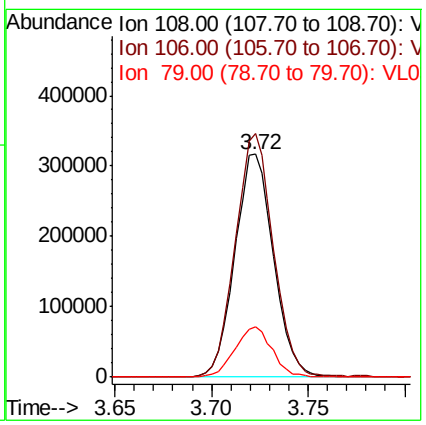


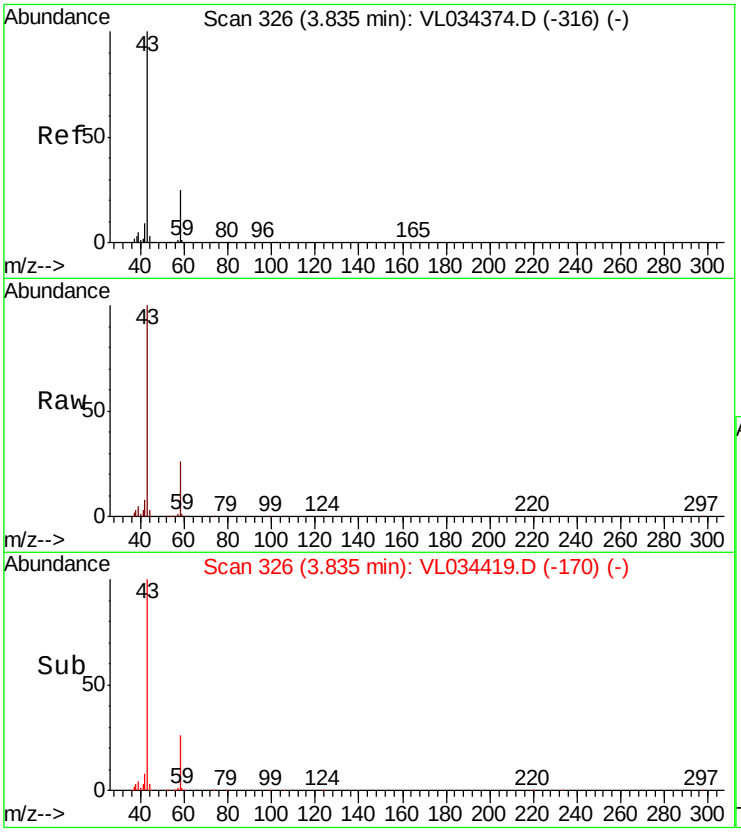


#14
Bromoethene
Concen: 10.061 ppbv
RT: 3.72 min Scan# 291
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:108 Resp: 439559

Ion	Ratio	Lower	Upper
108	100		
106	107.9	85.7	128.5
79	21.9	17.2	25.8



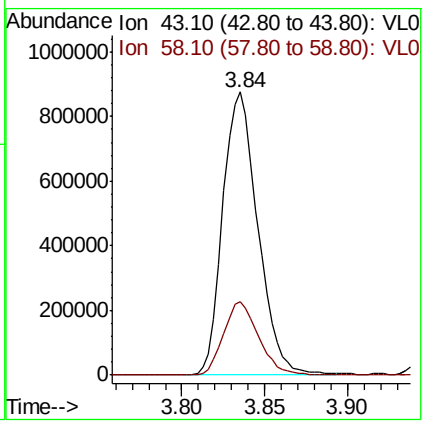


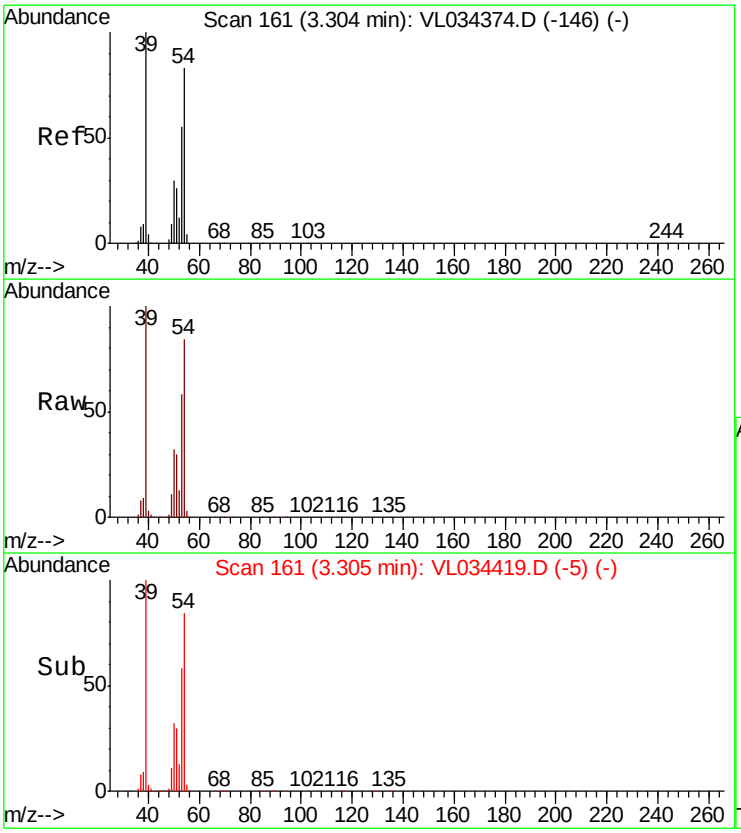
#15
Acetone
Concen: 10.003 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1287156

Ion	Ratio	Lower	Upper
43	100		
58	26.1	20.2	30.4

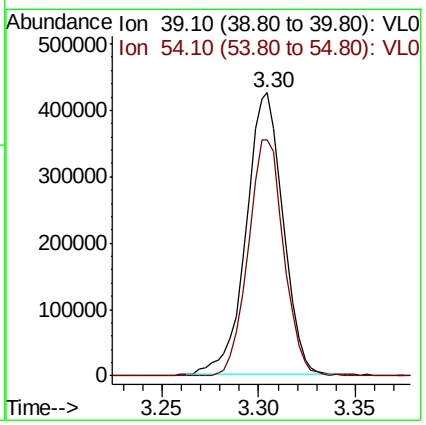


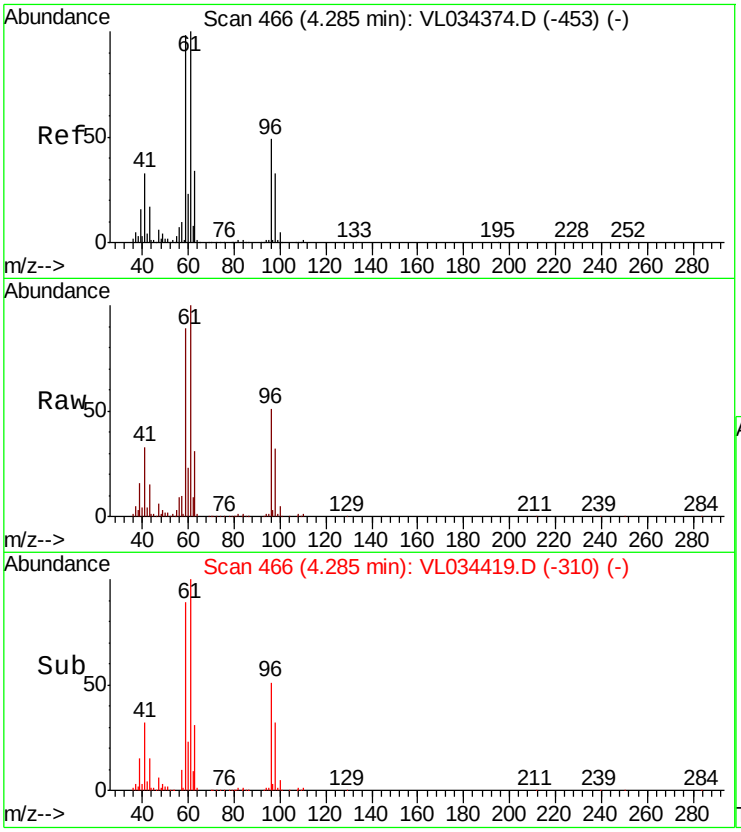


#16
1,3-Butadiene
Concen: 10.074 ppbv
RT: 3.30 min Scan# 161
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 39 Resp: 564691

Ion	Ratio	Lower	Upper
39	100		
54	80.8	64.7	97.1



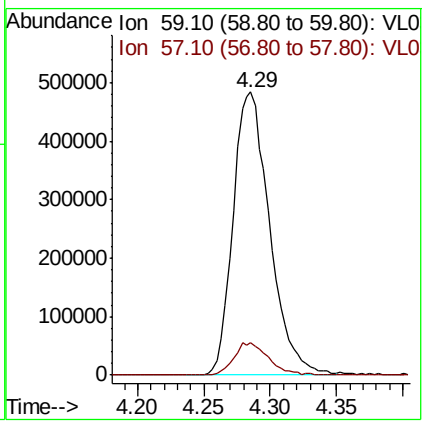


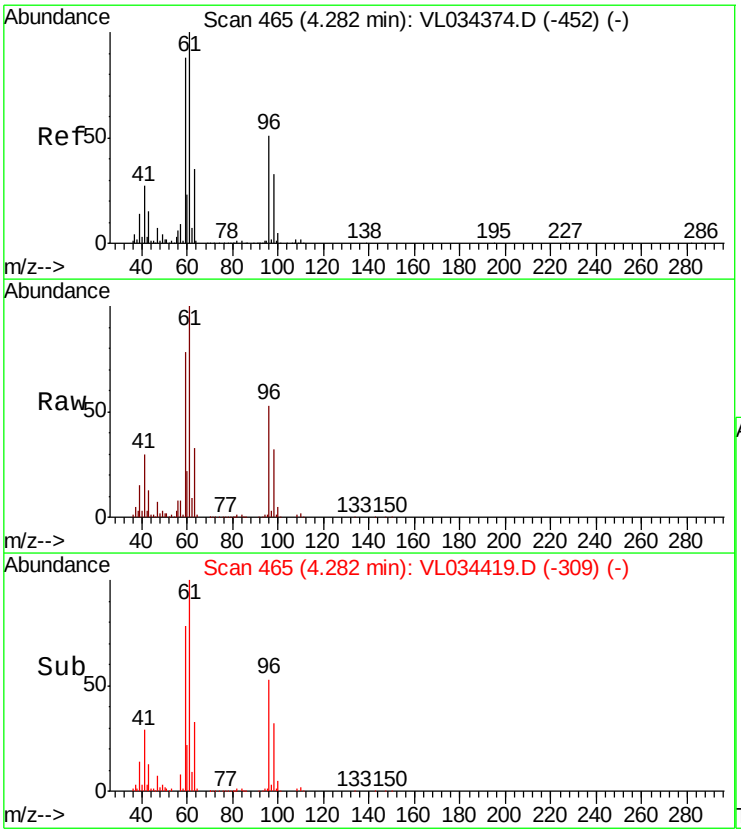
#17
tert-Butyl alcohol
Concen: 8.570 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 926950

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.8	13.2

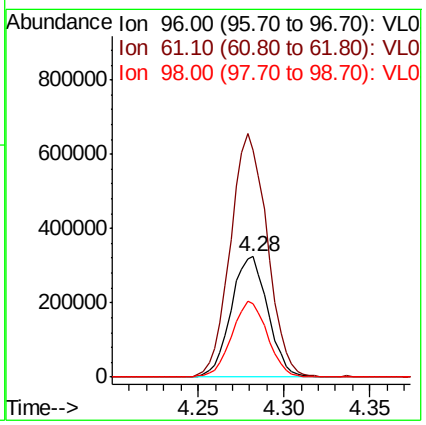


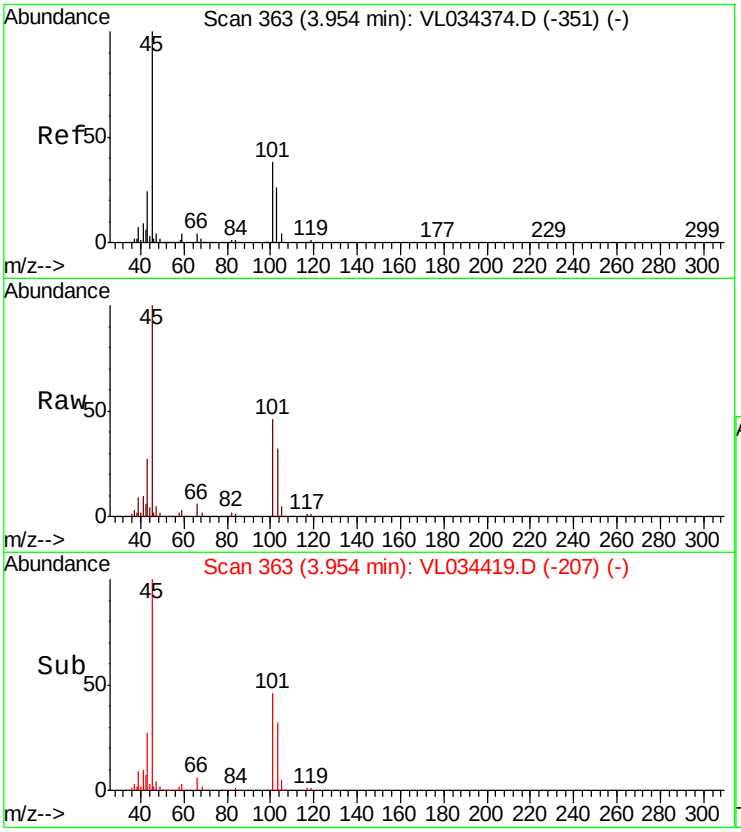


#18
1,1-Dichloroethene
Concen: 10.203 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 96 Resp: 479544

Ion	Ratio	Lower	Upper
96	100		
61	188.2	155.6	233.4
98	61.0	51.6	77.4



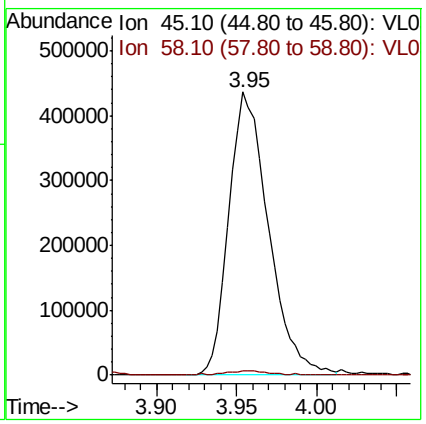


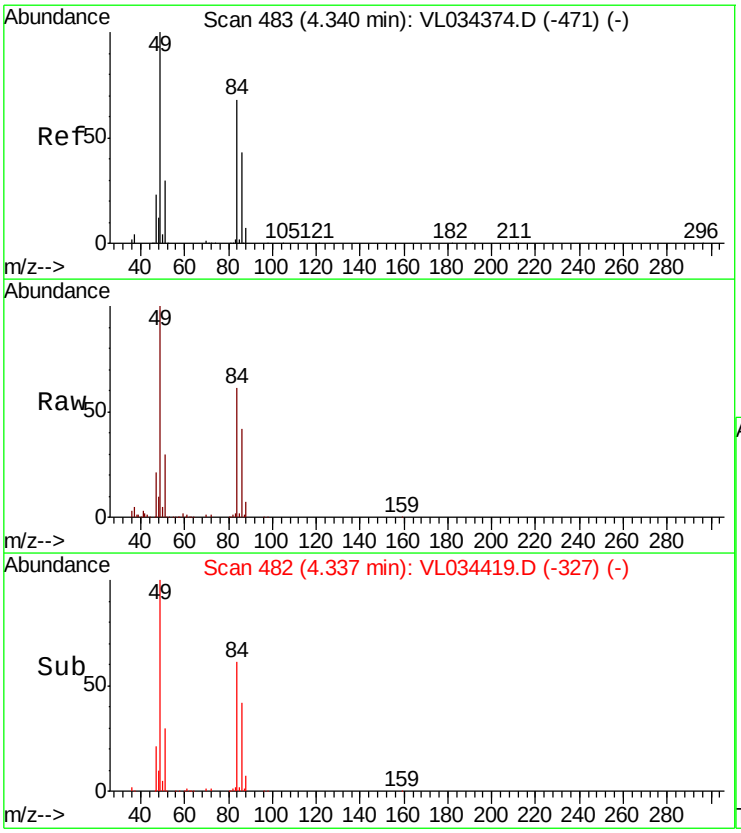
#19
Isopropyl Alcohol
Concen: 8.946 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 737884

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.3	1.9#

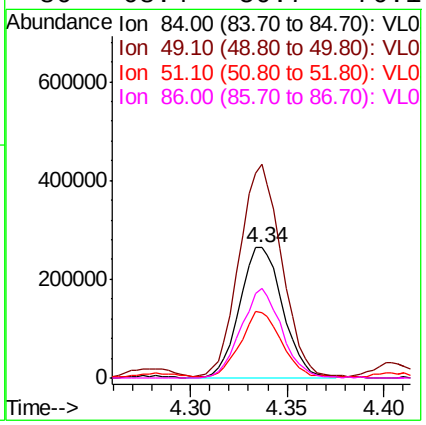


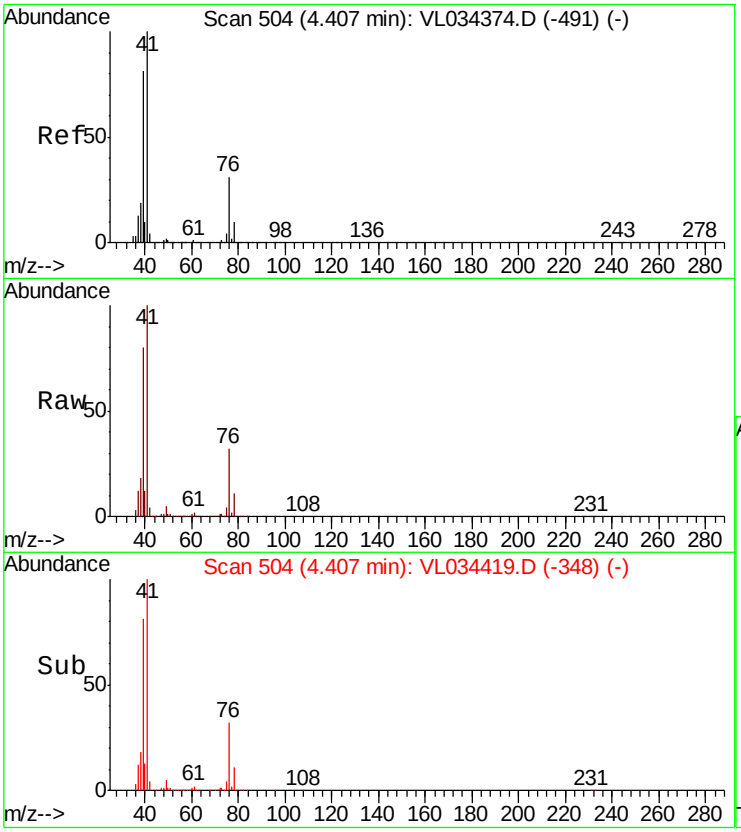


#20
Methylene Chloride
Concen: 8.912 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 84 Resp: 406661

Ion	Ratio	Lower	Upper
84	100		
49	162.8	116.8	175.2
51	48.9	35.6	53.4
86	68.4	50.7	76.1



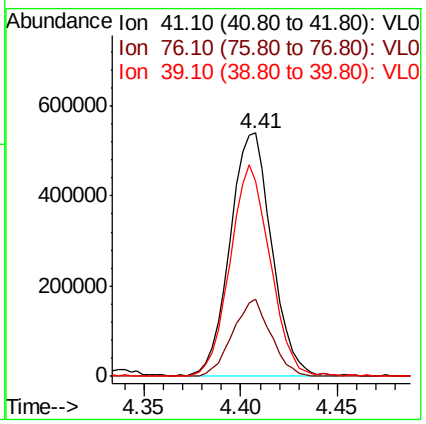


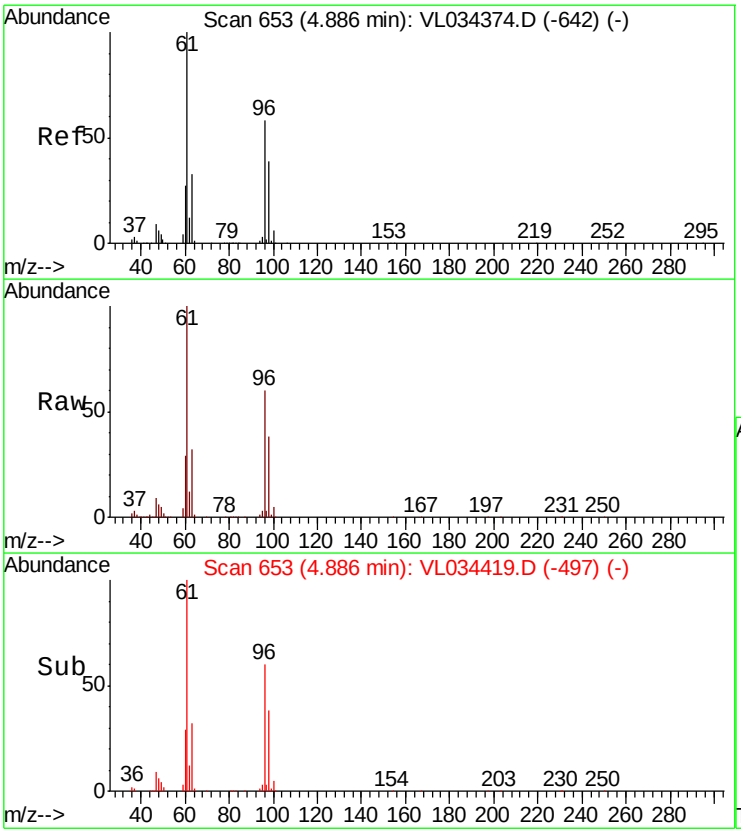
#21
Allvl Chloride
Concen: 10.418 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 803321

Ion	Ratio	Lower	Upper
41	100		
76	29.5	24.2	36.2
39	84.2	66.9	100.3

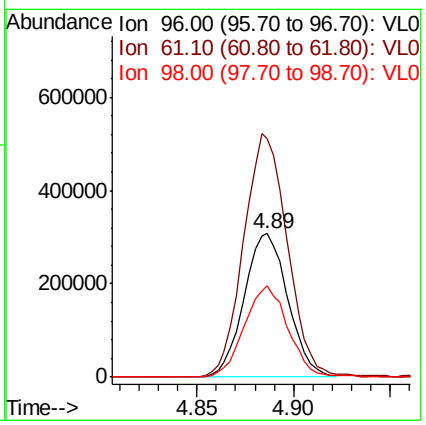


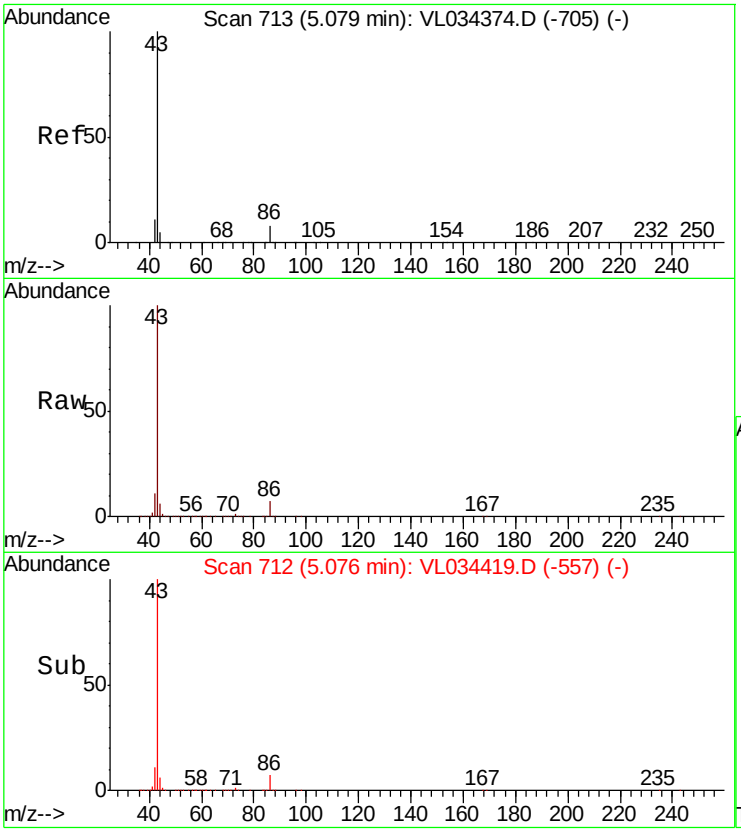


#22
trans-1,2-Dichloroethene
Concen: 10.251 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 96 Resp: 485690

Ion	Ratio	Lower	Upper
96	100		
61	166.3	137.9	206.9
98	63.5	53.5	80.3



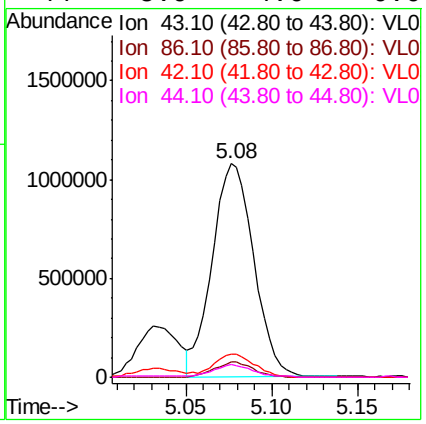


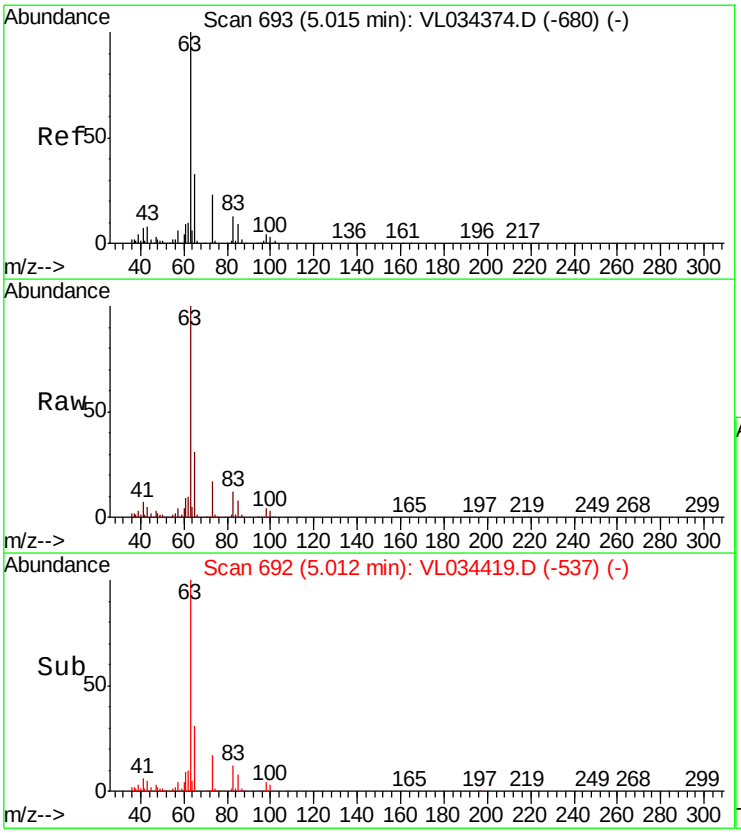
#23
Vinyl Acetate
Concen: 10.843 ppbv
RT: 5.08 min Scan# 712
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1822772

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.6
42	11.0	8.9	13.3
44	5.9	4.0	6.0

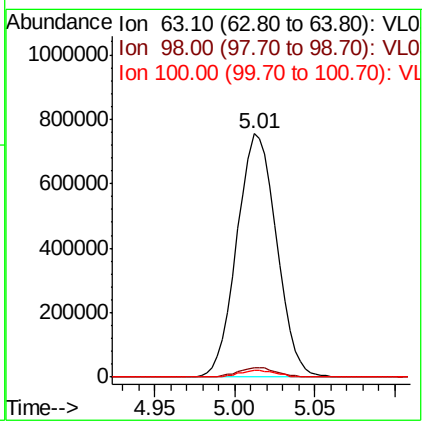


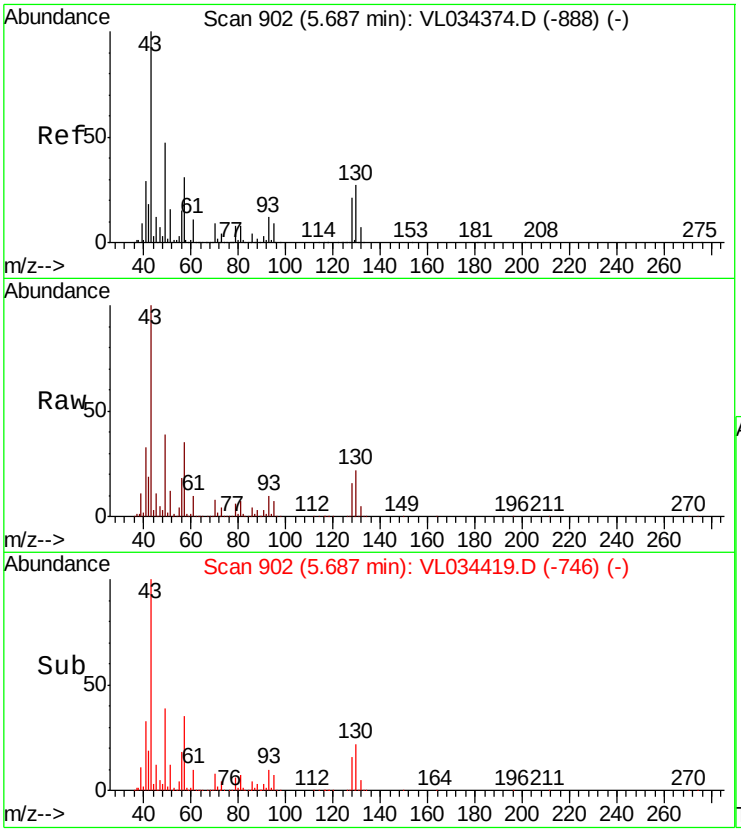


#24
1,1-Dichloroethane
Concen: 9.893 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 63 Resp: 1277427

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.9	5.7
100	2.6	1.4	4.0



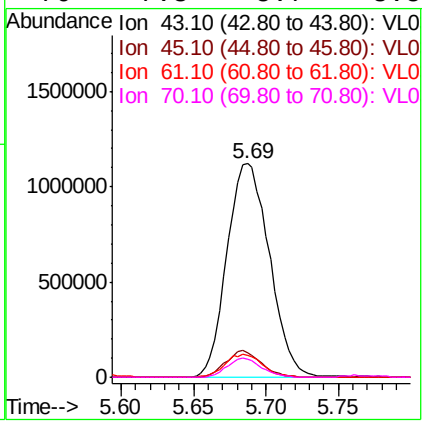


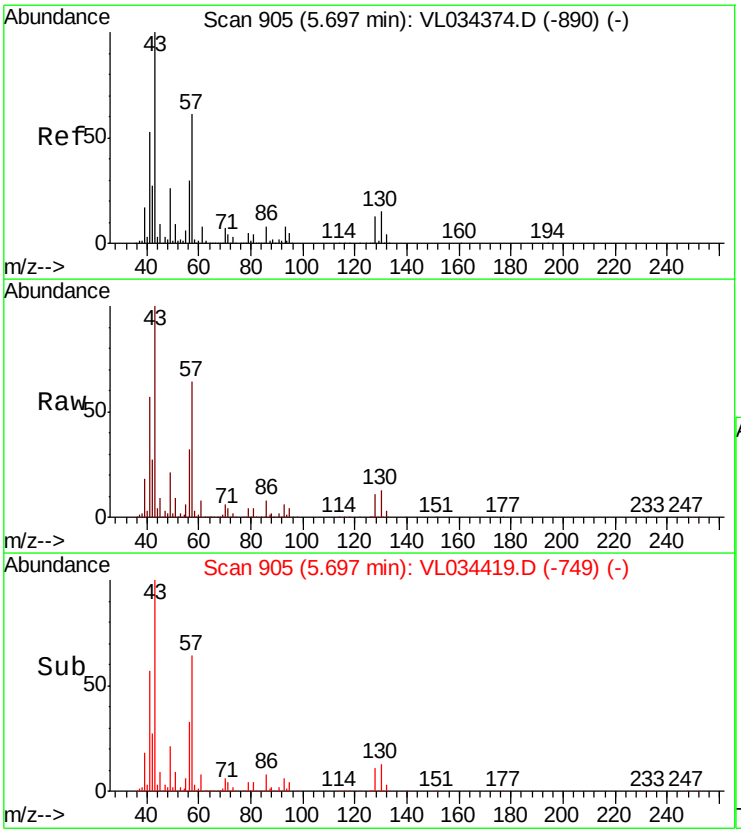
#25
Ethyl Acetate
Concen: 9.891 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2271310

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	9.6	7.5	11.3
70	7.3	5.7	8.5

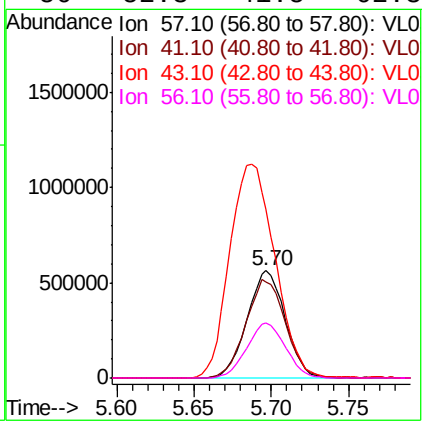


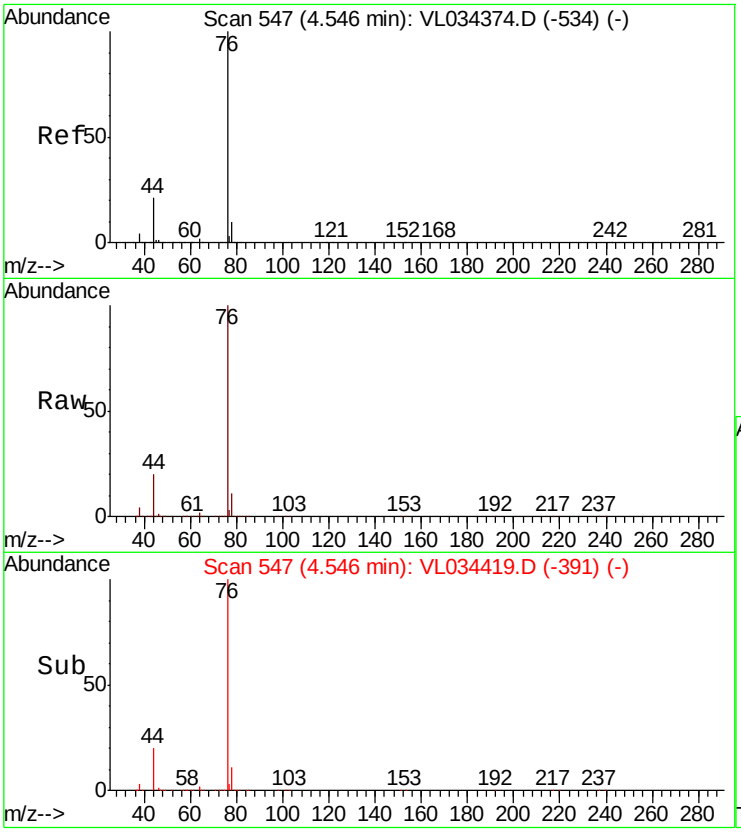


#26
Hexane
Concen: 9.753 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 57 Resp: 962296

Ion	Ratio	Lower	Upper
57	100		
41	95.6	75.0	112.4
43	237.2	186.6	279.8
56	52.3	41.5	62.3



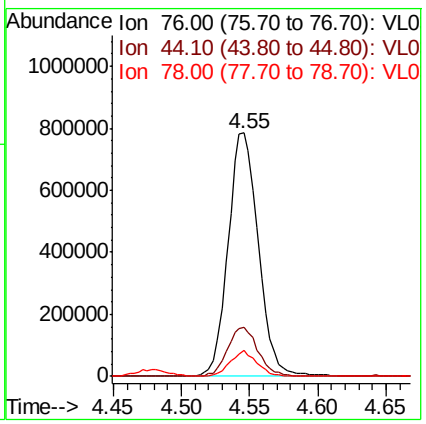


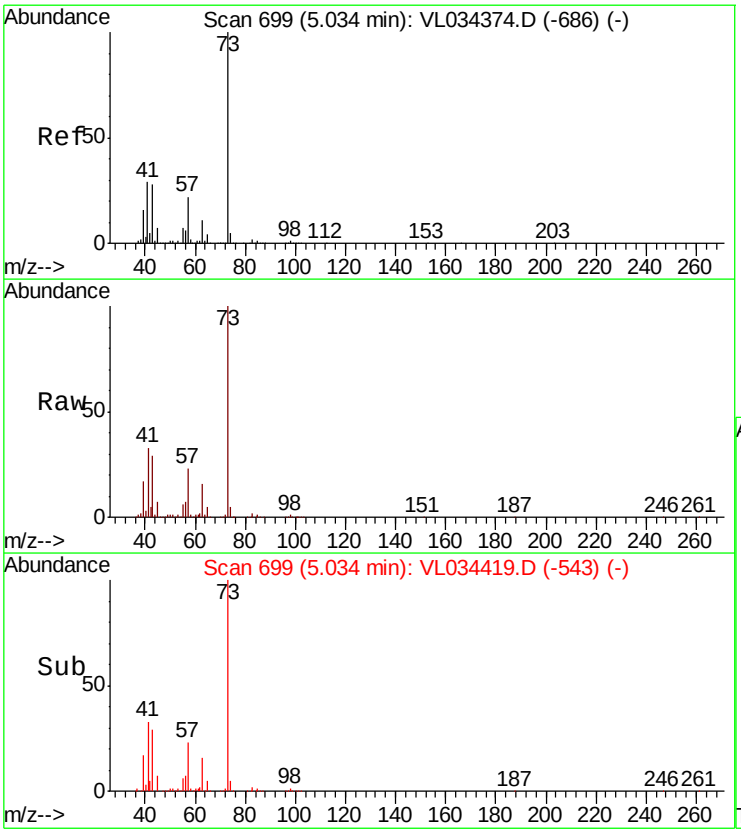
#27
Carbon Disulfide
Concen: 11.236 ppbv
RT: 4.55 min Scan# 547
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1207525

Ion	Ratio	Lower	Upper
76	100		
44	20.0	17.0	25.4
78	9.6	7.6	11.4

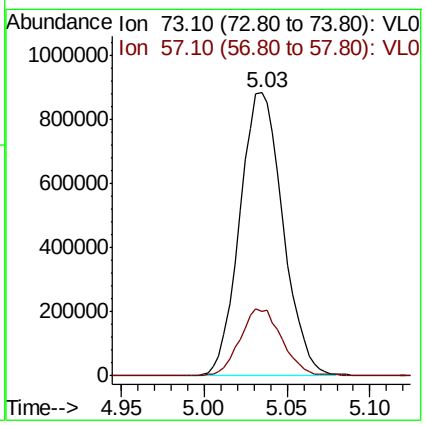


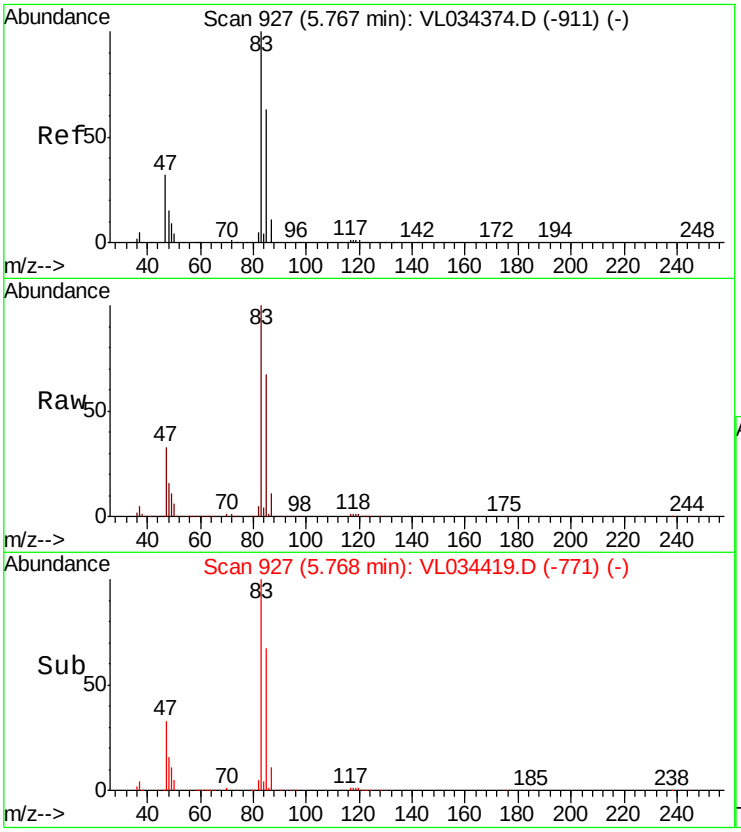


#28
Methyl tert-Butyl Ether
Concen: 9.798 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 73 Resp: 1603041

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.4	27.6



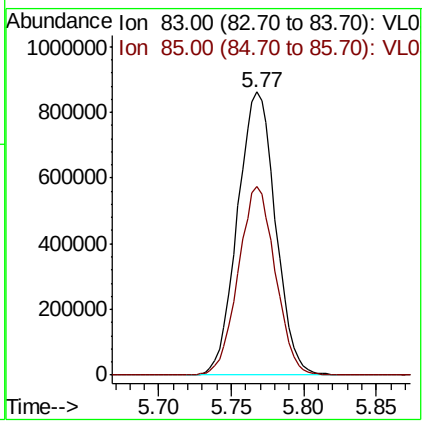


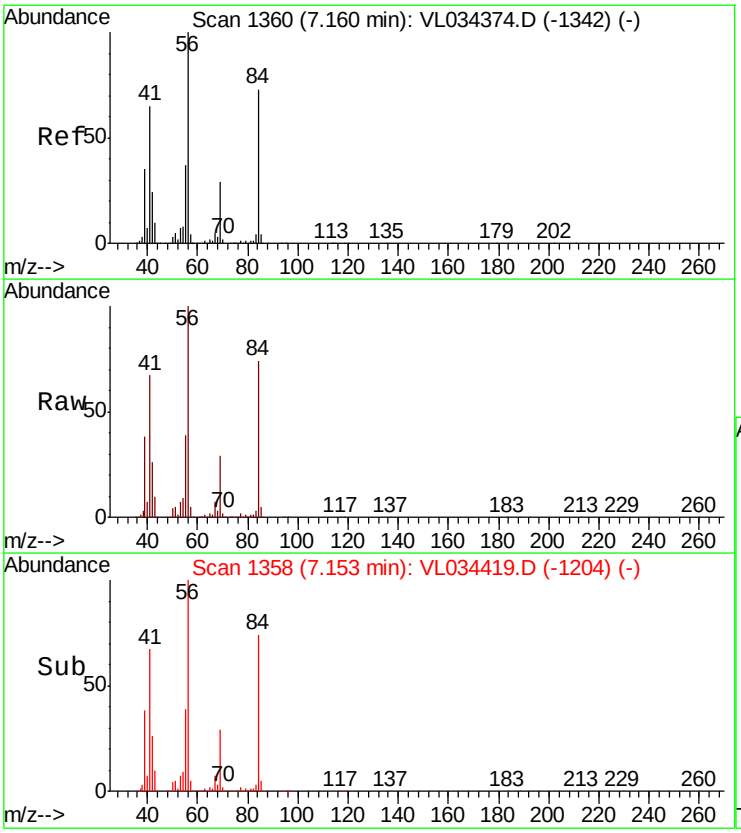
#29
Chloroform
Concen: 9.824 ppbv
RT: 5.77 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1569750

Ion	Ratio	Lower	Upper
83	100		
85	66.6	50.4	75.6

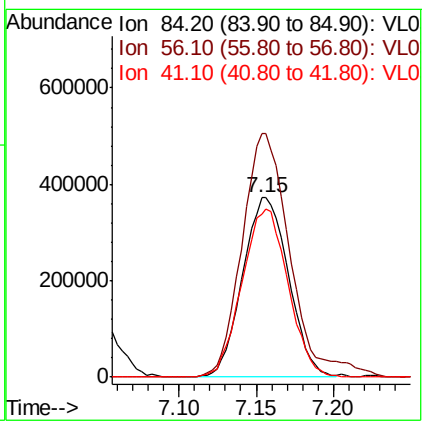


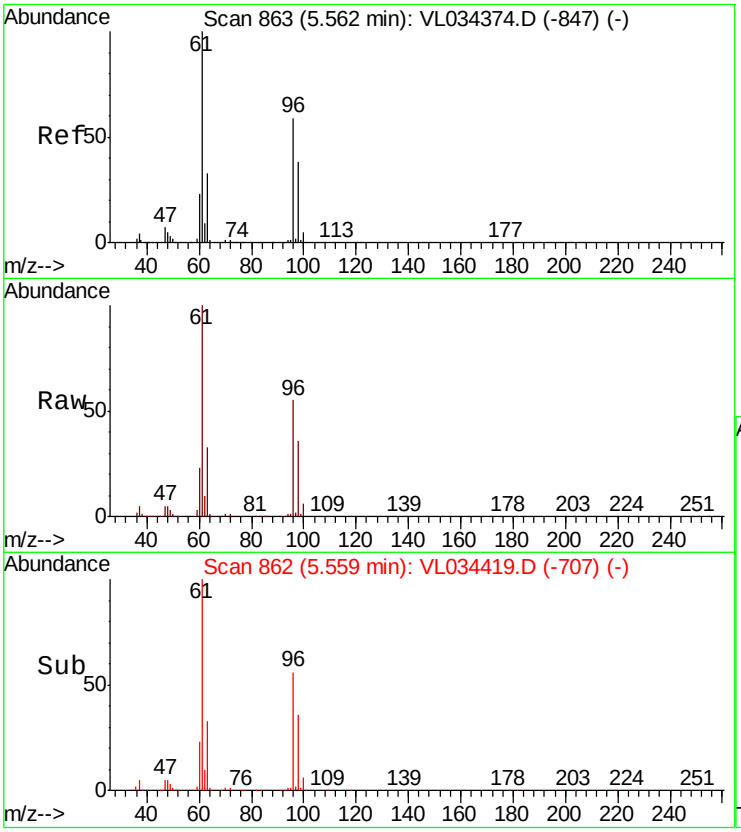


#30
Cyclohexane
Concen: 10.322 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 84 Resp: 769927

Ion	Ratio	Lower	Upper
84	100		
56	142.2	112.6	169.0
41	94.0	73.4	110.2



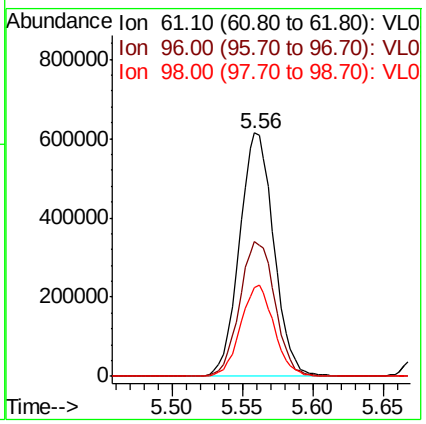


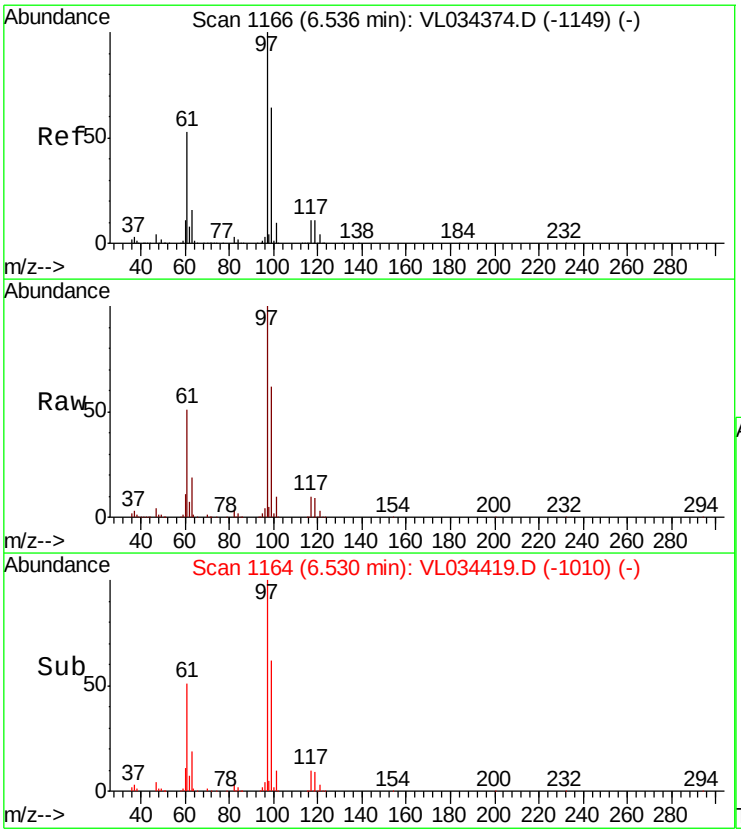
#31
cis-1,2-Dichloroethene
Concen: 10.282 ppbv
RT: 5.56 min Scan# 862
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1048438

Ion	Ratio	Lower	Upper
61	100		
96	55.4	47.4	71.2
98	36.4	30.6	45.8

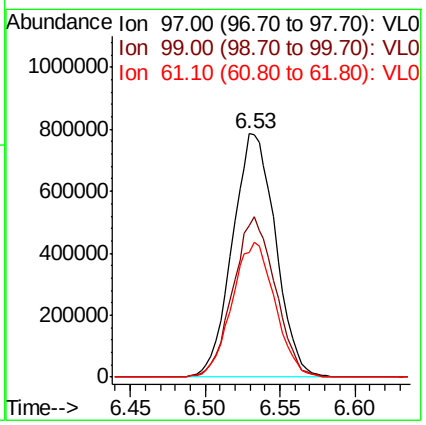


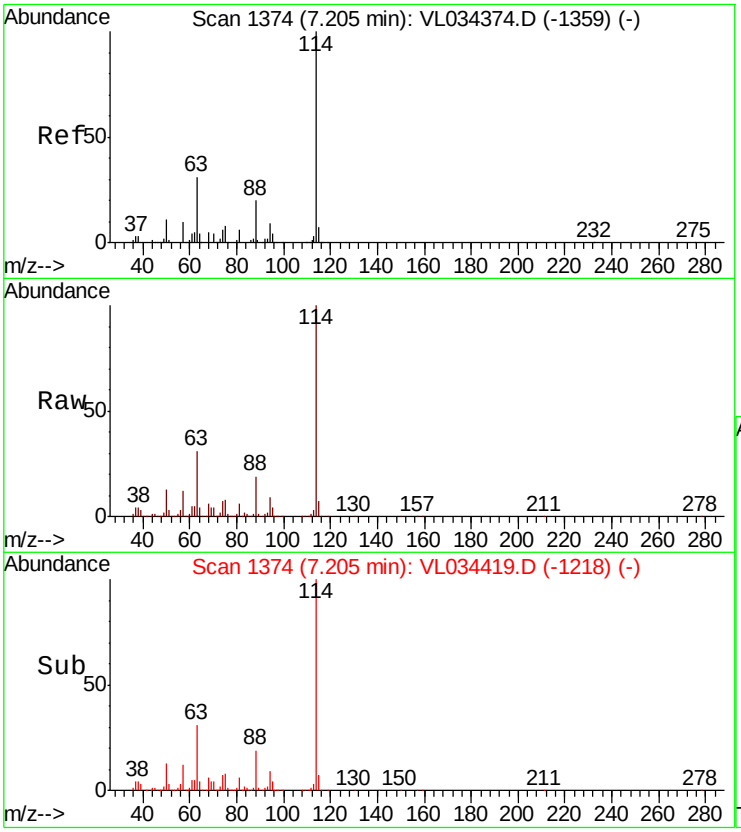


#32
1,1,1-Trichloroethane
Concen: 10.469 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 97 Resp: 1568401

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	55.5	43.7	65.5



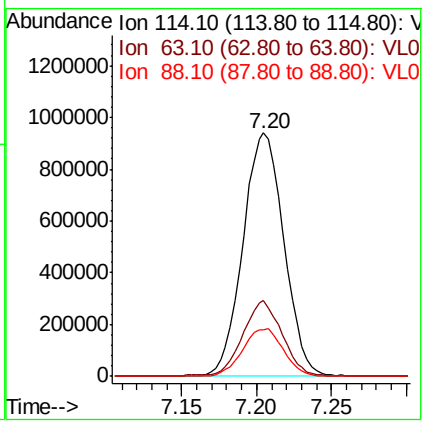


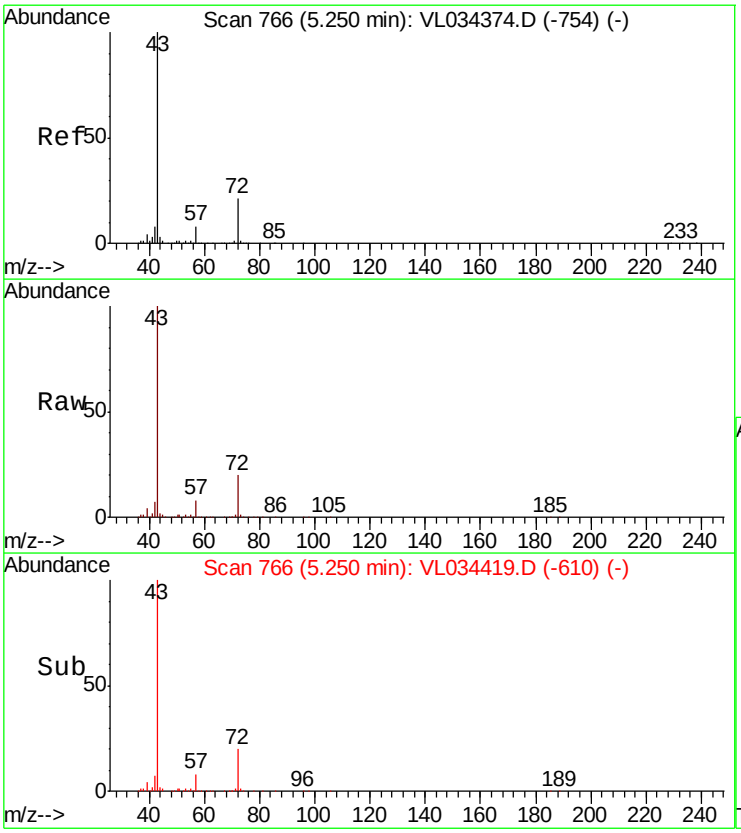
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 1790228

Ion	Ratio	Lower	Upper
114	100		
63	30.4	24.2	36.4
88	19.6	15.9	23.9

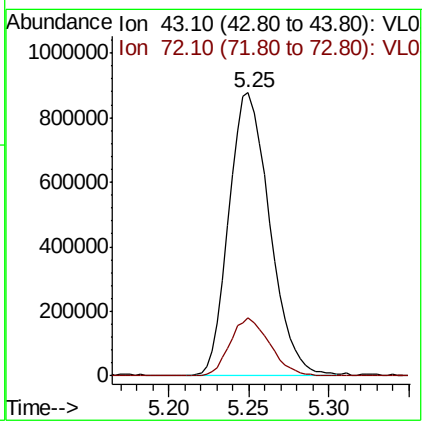


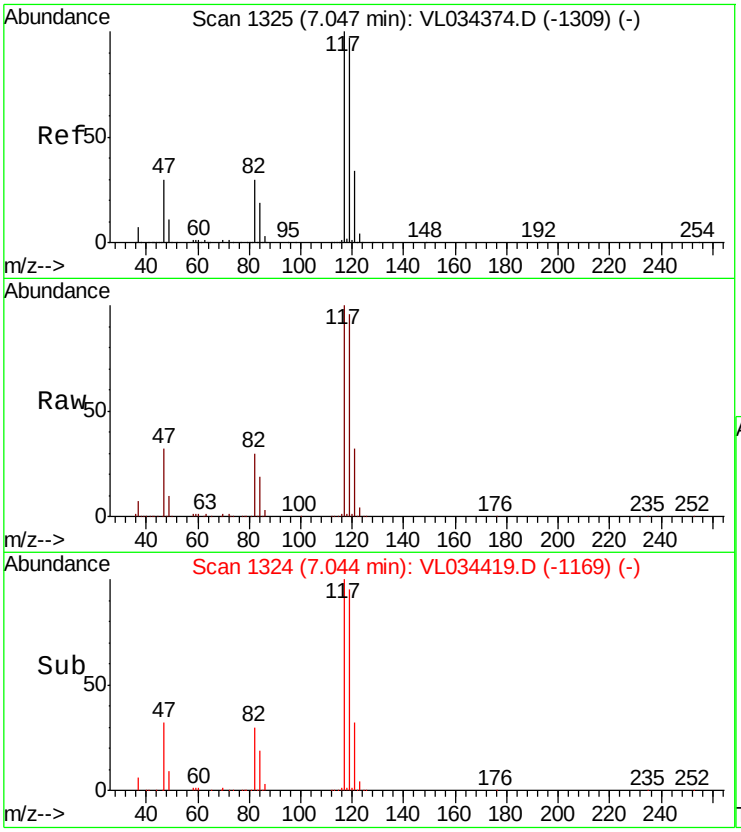


#34
2-Butanone
Concen: 10.320 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 43 Resp: 1520729

Ion	Ratio	Lower	Upper
43	100		
72	20.0	17.0	25.6



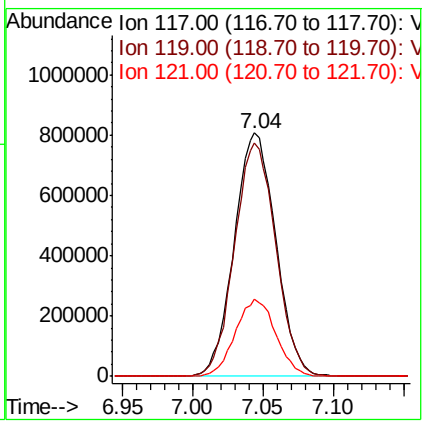


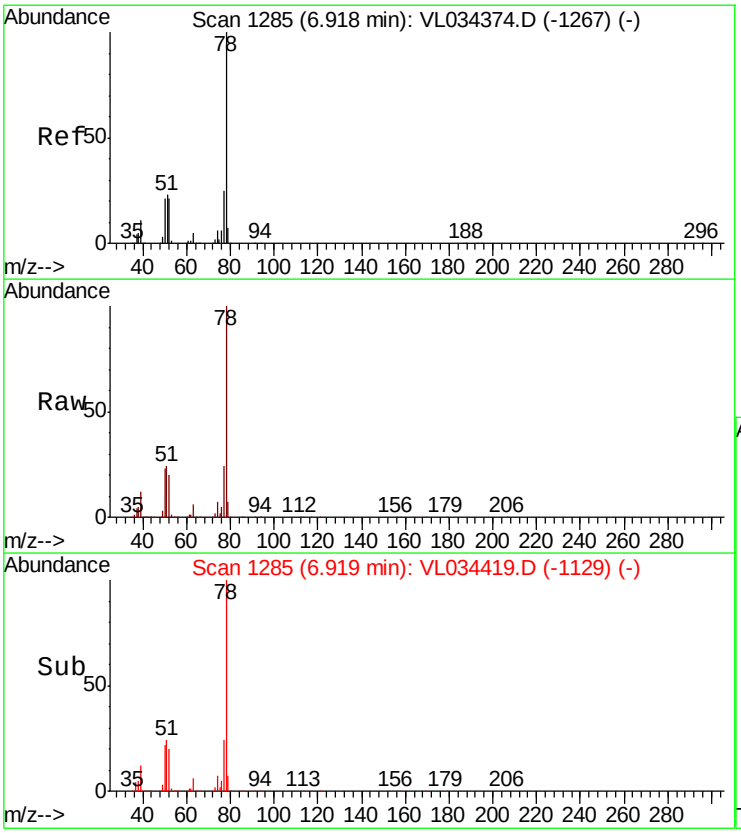
#35
Carbon Tetrachloride
Concen: 10.803 ppbv
RT: 7.04 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1662865

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.3	115.9
121	31.6	27.4	41.2

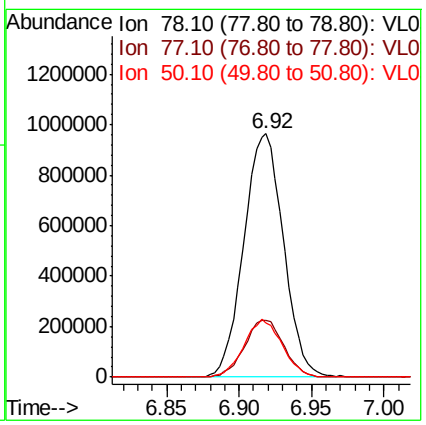


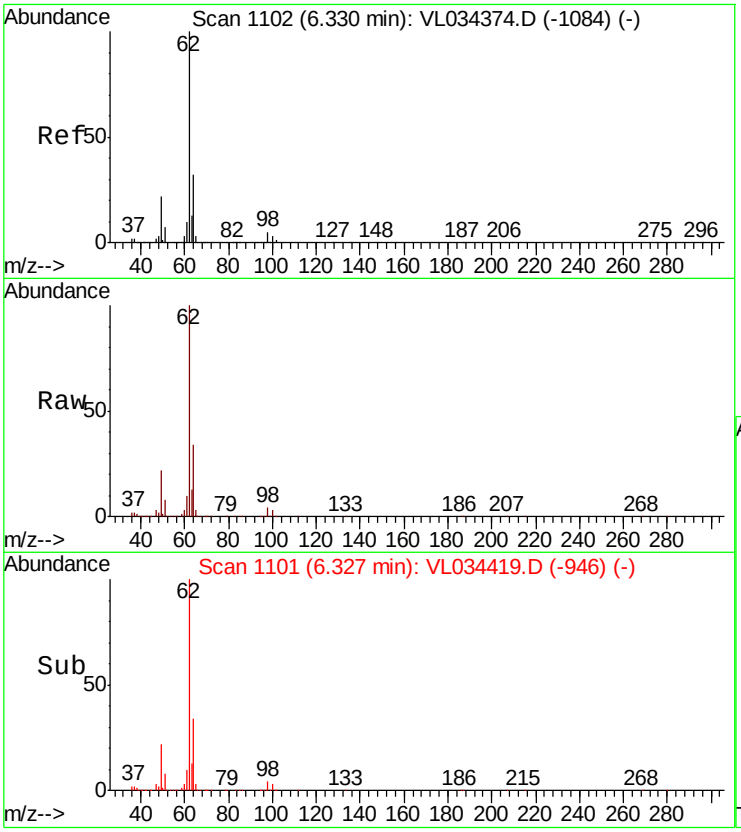


#36
Benzene
Concen: 10.243 ppbv
RT: 6.92 min Scan# 1285
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 78 Resp: 1833114

Ion	Ratio	Lower	Upper
78	100		
77	23.6	20.2	30.4
50	22.5	17.1	25.7



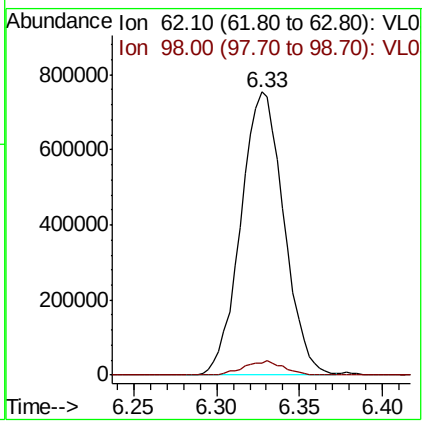


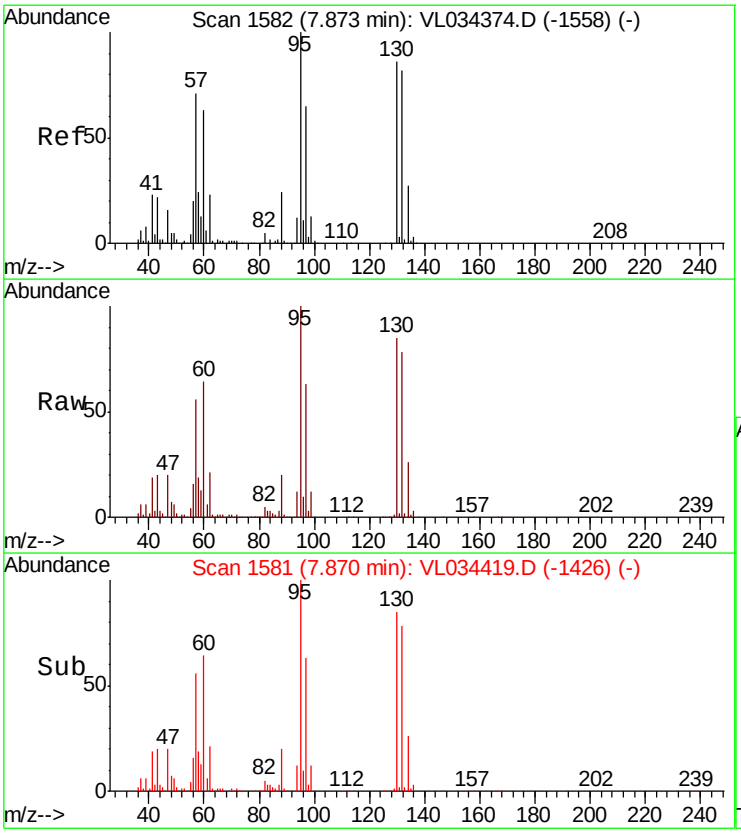
#37
1,2-Dichloroethane
Concen: 10.252 ppbv
RT: 6.33 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1362957

Ion	Ratio	Lower	Upper
62	100		
98	4.8	3.8	5.8

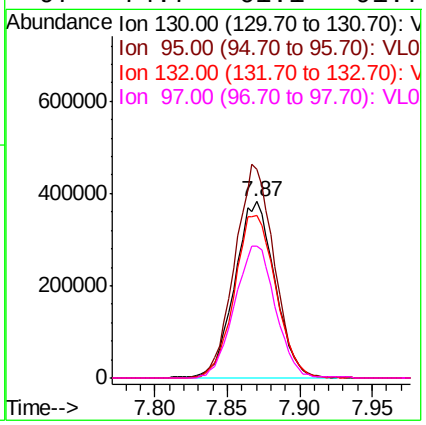


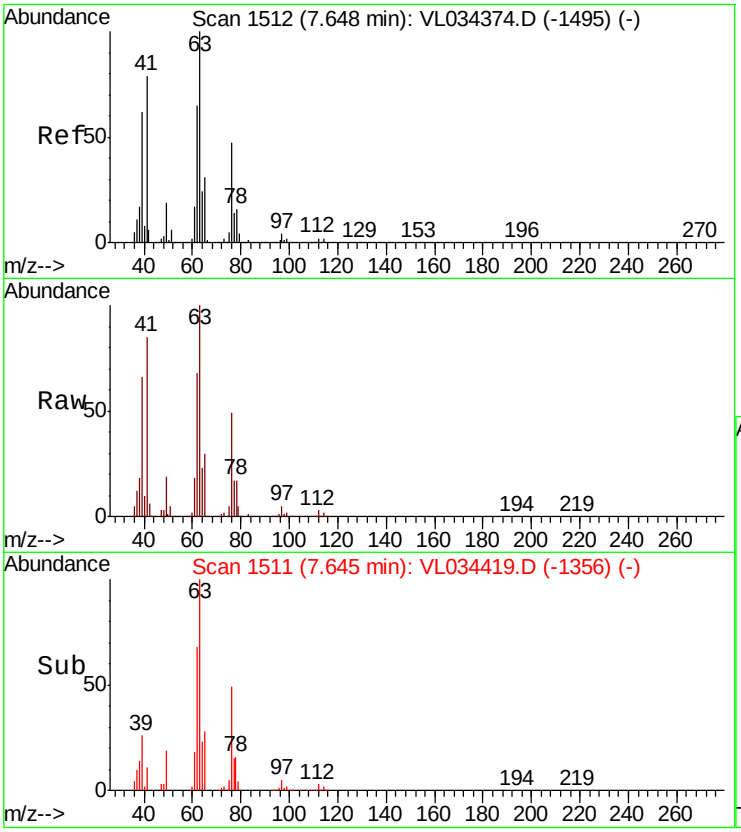


#38
Trichloroethene
Concen: 9.961 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:130 Resp: 731521

Ion	Ratio	Lower	Upper
130	100		
95	117.9	93.4	140.0
132	92.1	76.4	114.6
97	74.7	61.1	91.7



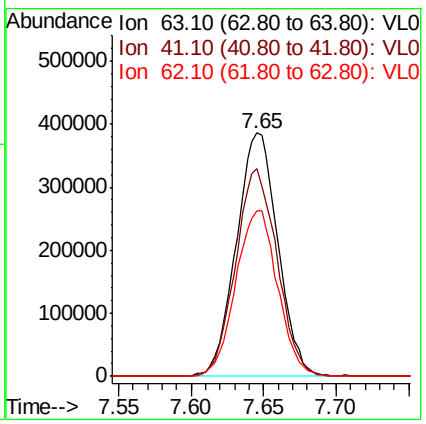


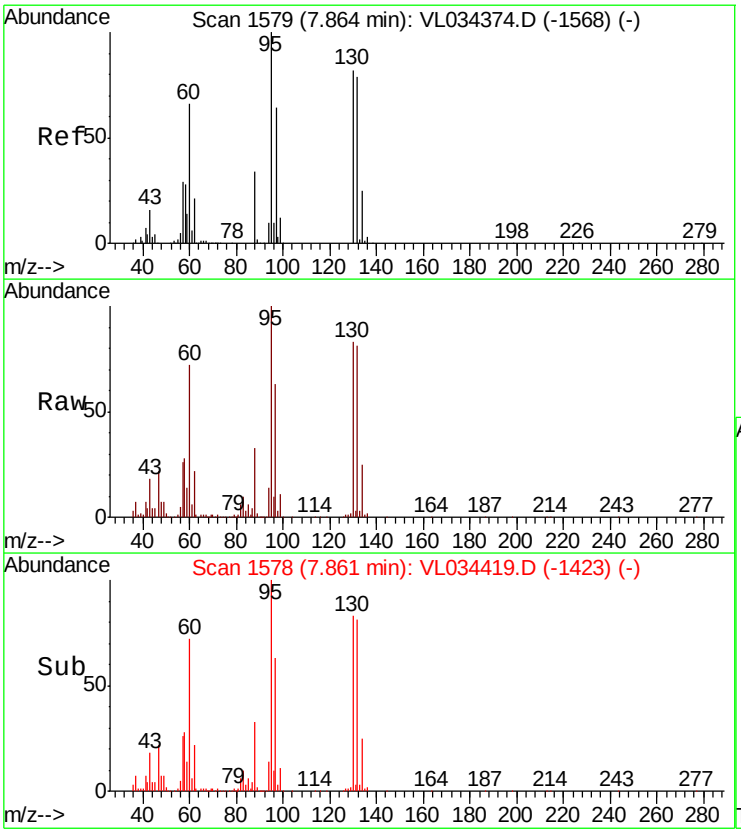
#39
1,2-Dichloropropane
Concen: 11.154 ppbv
RT: 7.65 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 769041

Ion	Ratio	Lower	Upper
63	100		
41	85.0	63.1	94.7
62	68.1	52.3	78.5

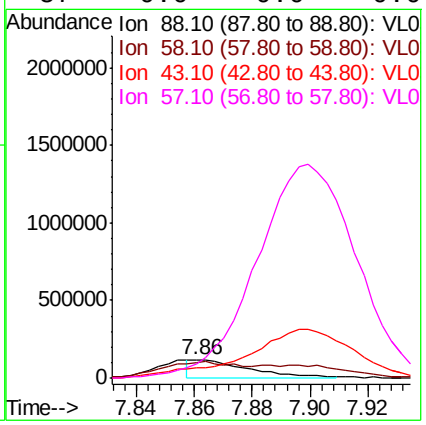


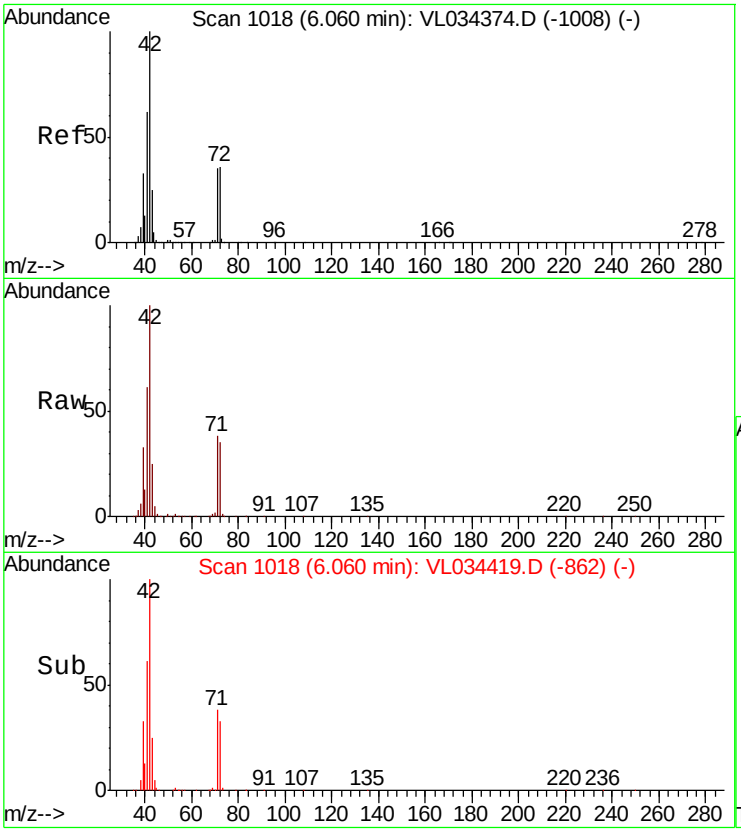


#40
1,4-Dioxane
Concen: 5.067 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 88 Resp: 152599

Ion	Ratio	Lower	Upper
88	100		
58	247.5	109.5	164.3#
43	0.0	0.0	0.0
57	0.0	0.0	0.0



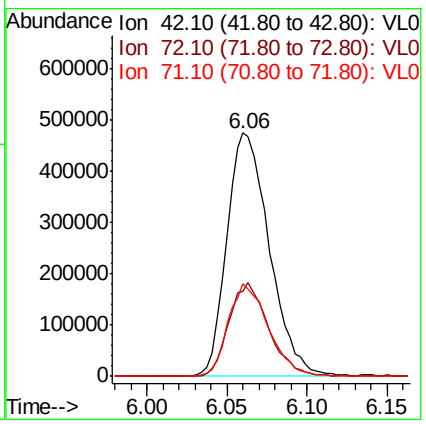


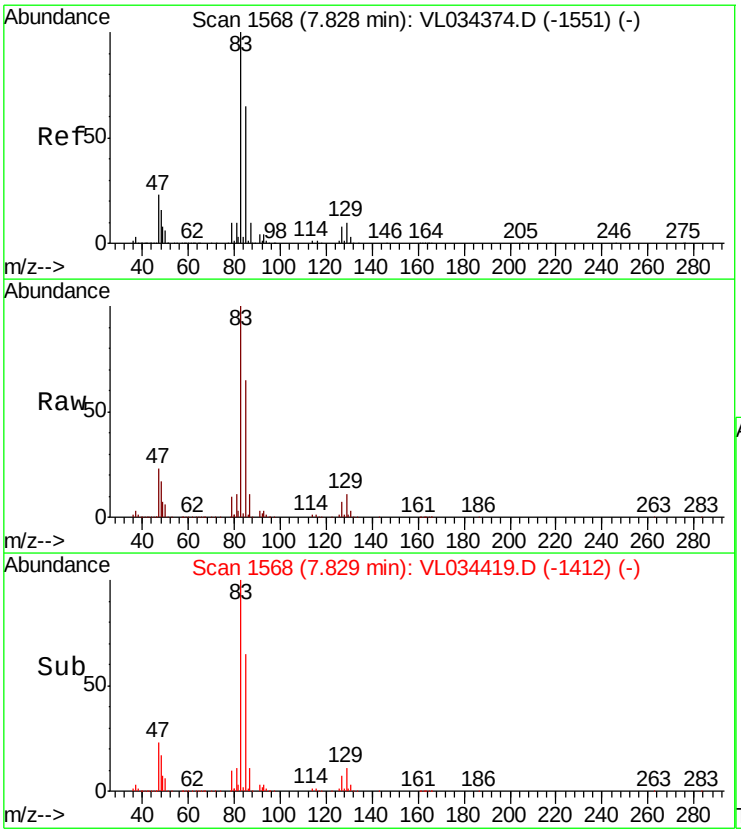
#41
Tetrahydrofuran
Concen: 10.372 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 857259

Ion	Ratio	Lower	Upper
42	100		
72	36.1	30.2	45.4
71	36.0	29.4	44.2

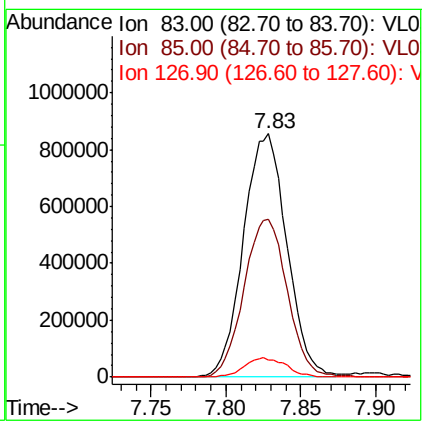


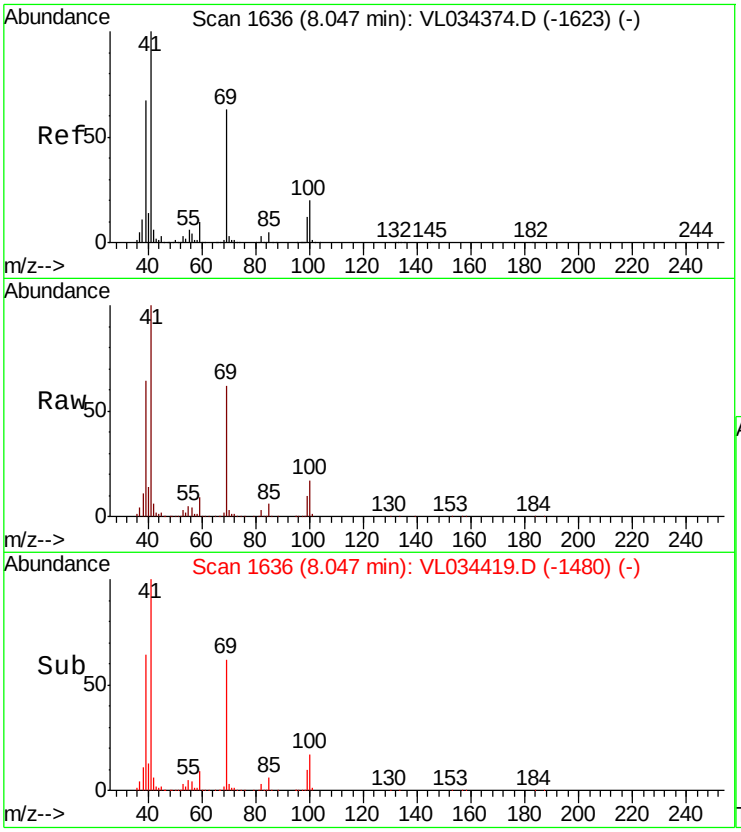


#42
Bromodichloromethane
Concen: 10.405 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 83 Resp: 1730073

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5
127	7.2	6.1	9.1



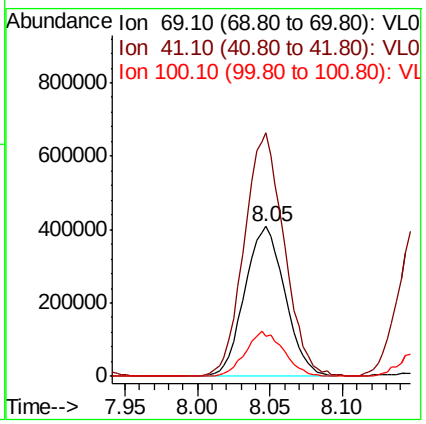


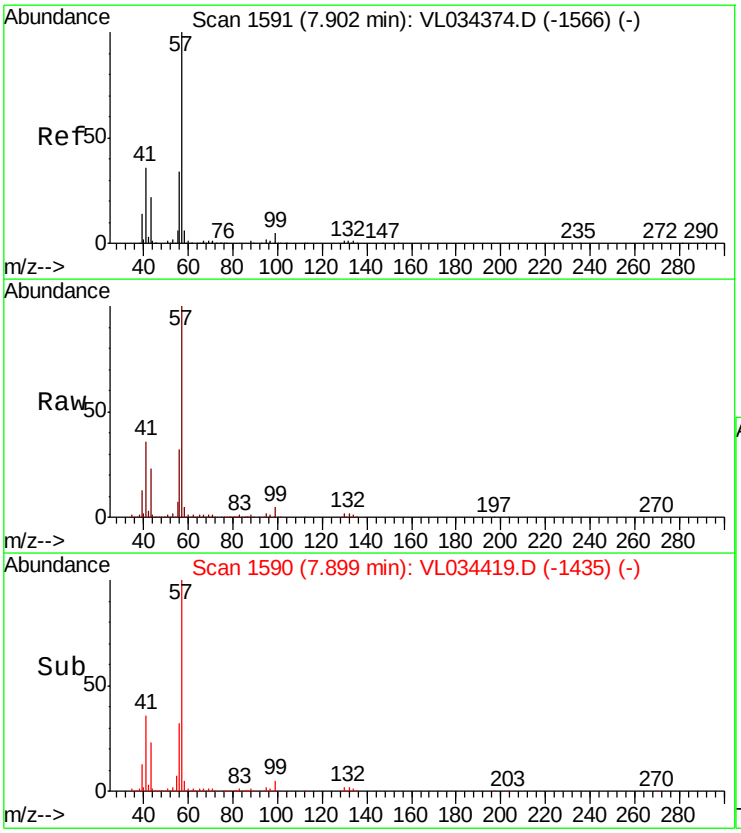
#43
Methyl Methacrylate
Concen: 10.662 ppbv
RT: 8.05 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 791395

Ion	Ratio	Lower	Upper
69	100		
41	160.8	127.4	191.2
100	28.6	24.2	36.4

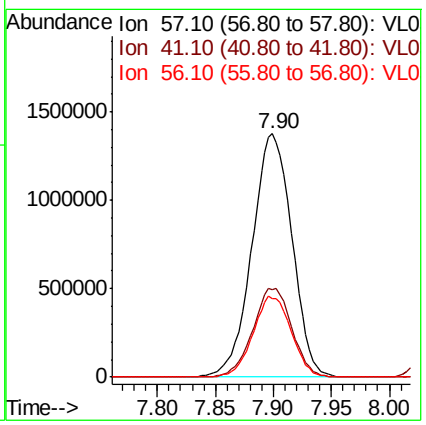


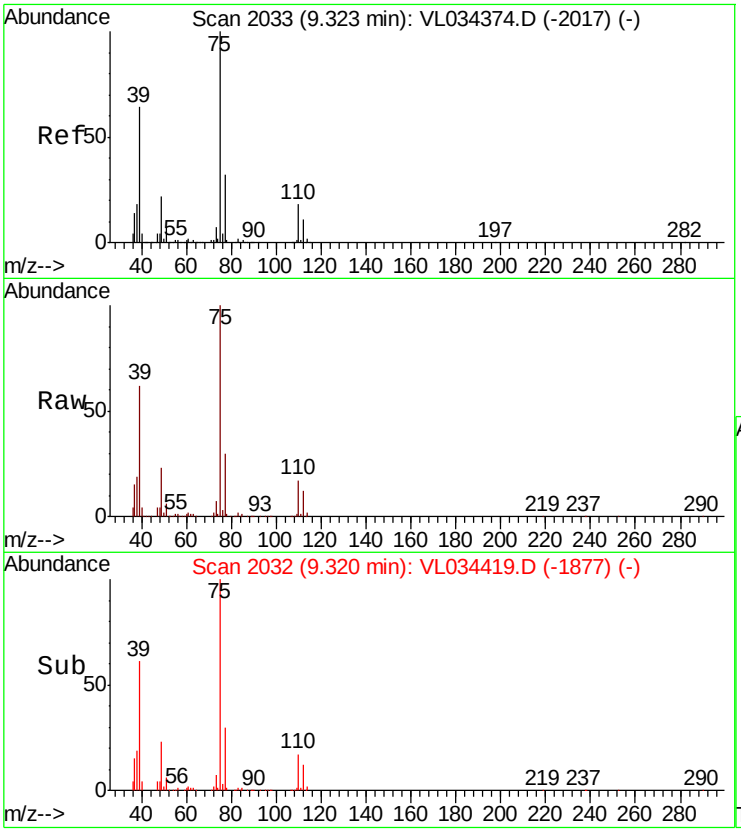


#44
2,2,4-Trimethylpentane
Concen: 10.097 ppbv
RT: 7.90 min Scan# 1590
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 57 Resp: 3302346

Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.6	42.8
56	31.8	25.3	37.9



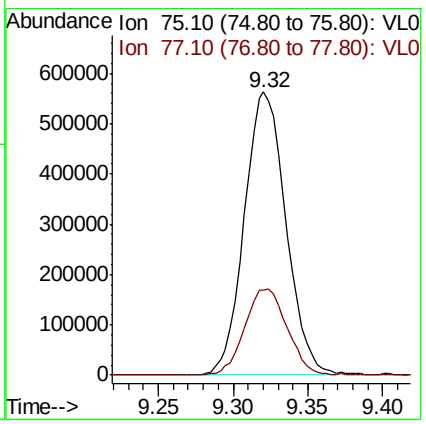


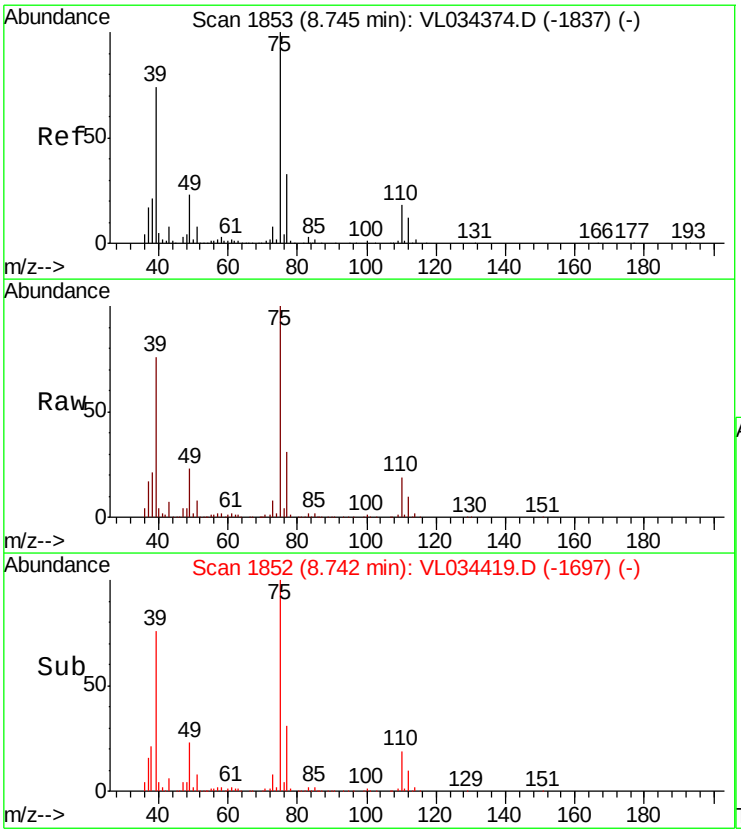
#45
t-1,3-Dichloropropene
Concen: 11.428 ppbv
RT: 9.32 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1087862

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2

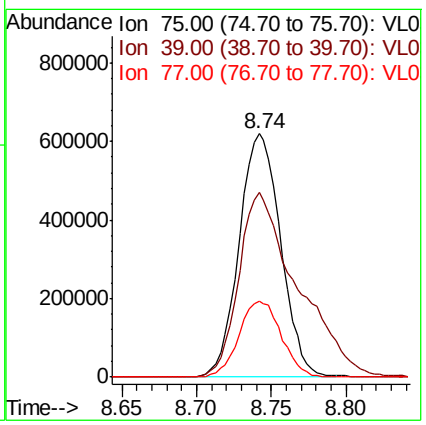


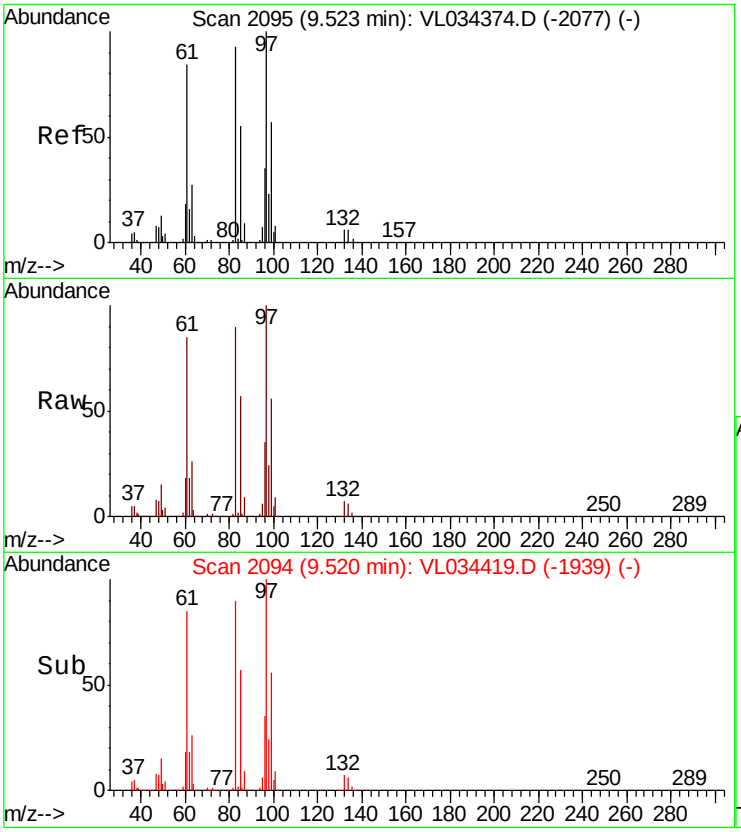


#46
cis-1,3-Dichloropropene
Concen: 11.198 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 75 Resp: 1197277

Ion	Ratio	Lower	Upper
75	100		
39	75.9	59.0	88.6
77	31.3	26.4	39.6



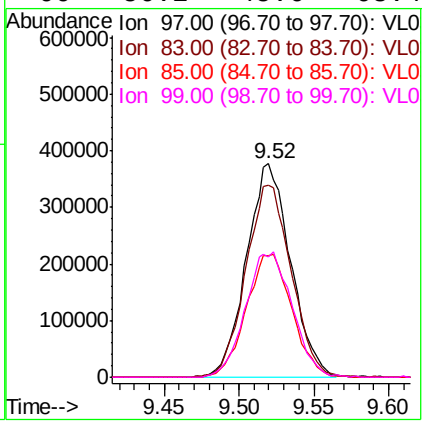


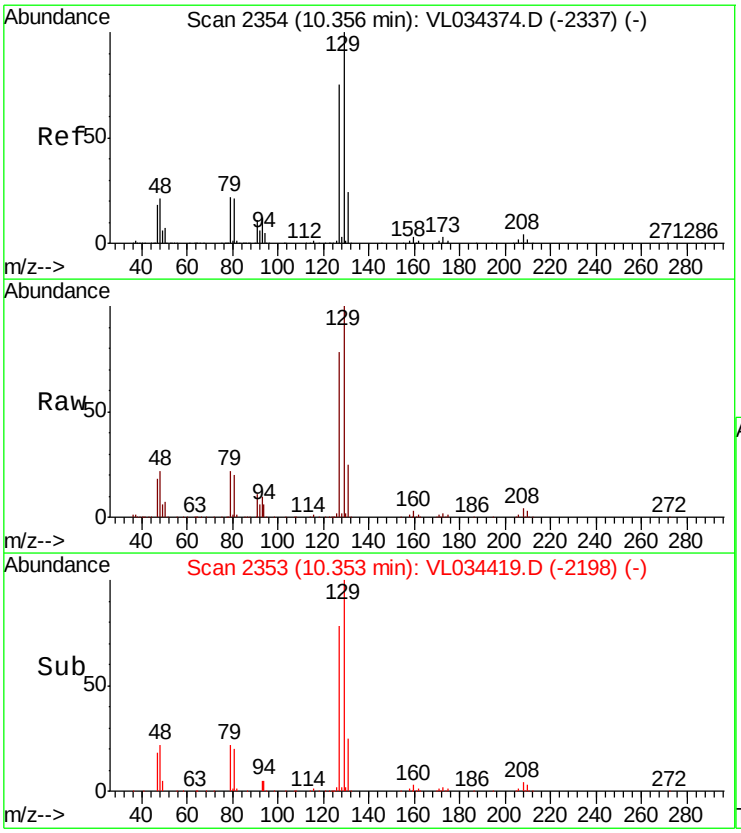
#47
1,1,2-Trichloroethane
Concen: 10.061 ppbv
RT: 9.52 min Scan# 2094
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 771602

Ion	Ratio	Lower	Upper
97	100		
83	89.8	74.6	112.0
85	56.7	43.8	65.8
99	56.2	45.6	68.4

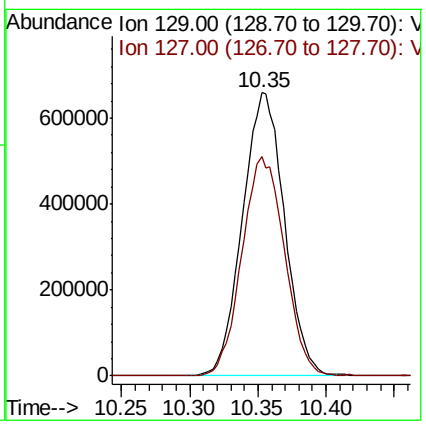


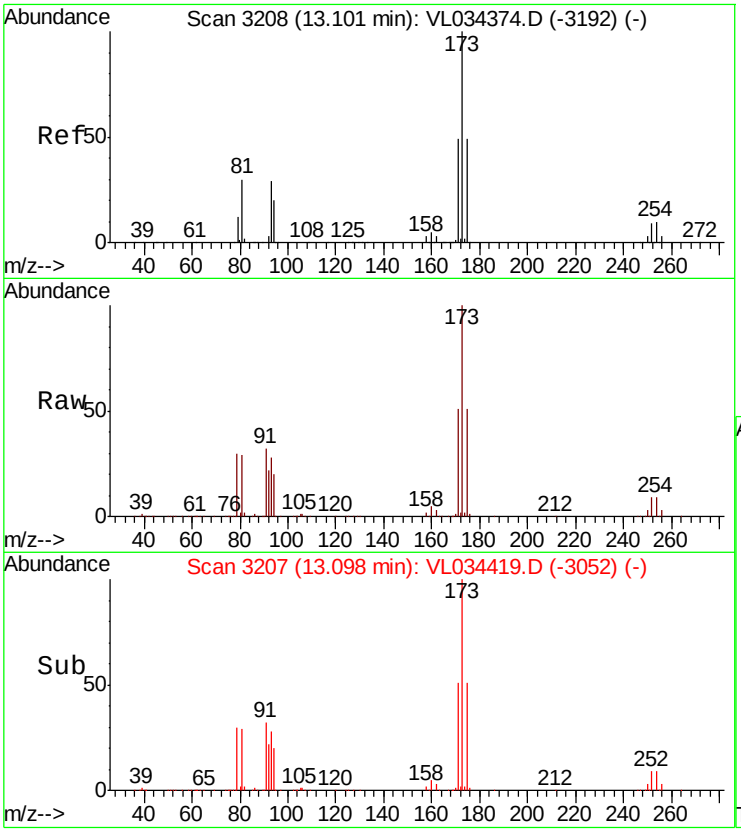


#48
Dibromochloromethane
Concen: 10.694 ppbv
RT: 10.35 min Scan# 2353
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:129 Resp: 1408233

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.5



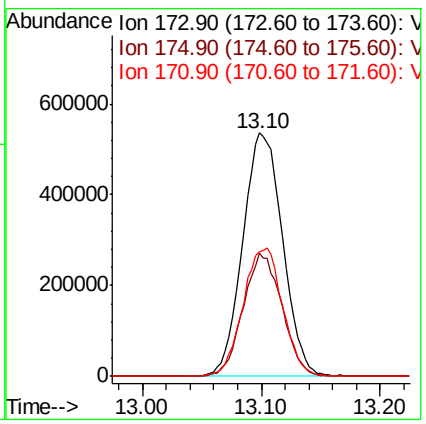


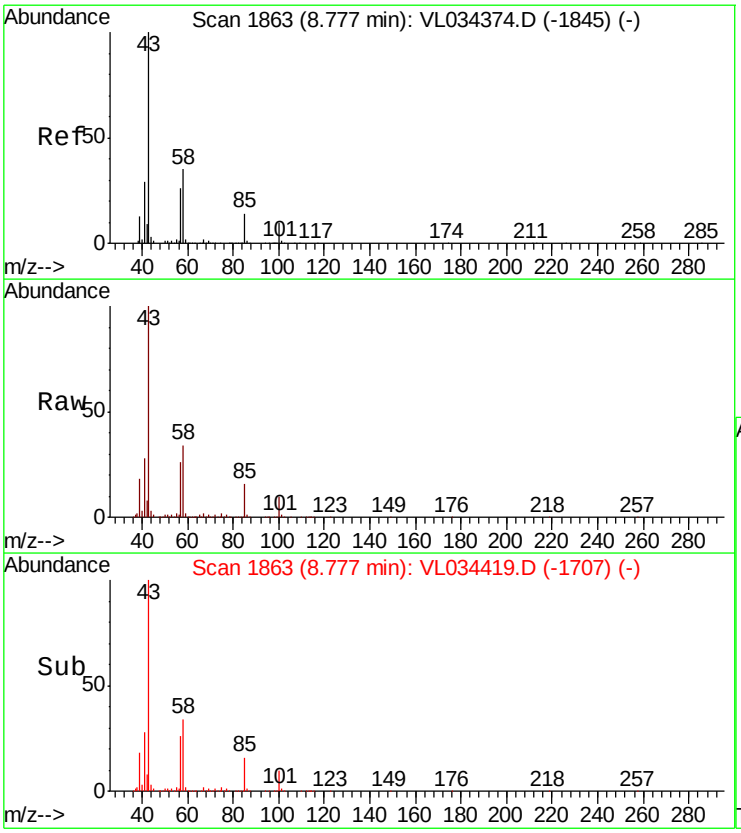
#49
Bromoform
Concen: 10.578 ppbv
RT: 13.10 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1243429

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.3	58.9
171	52.3	42.4	63.6

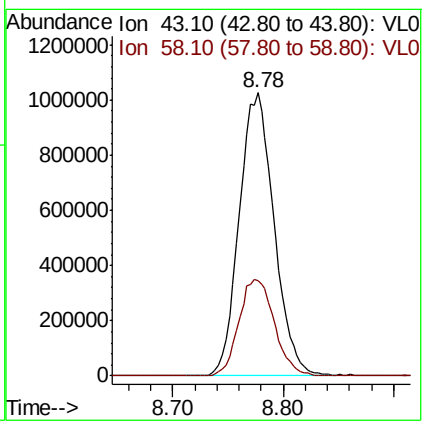


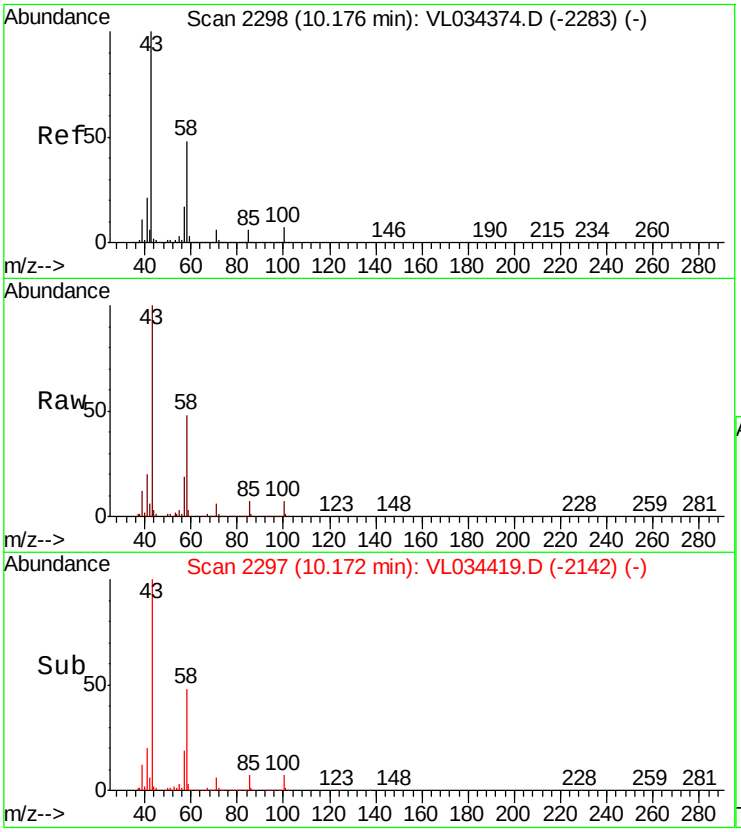


#50
4-Methyl-2-Pentanone
Concen: 10.533 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 43 Resp: 2245710

Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.9	41.9



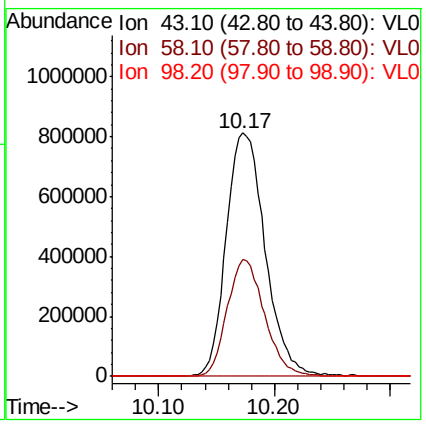


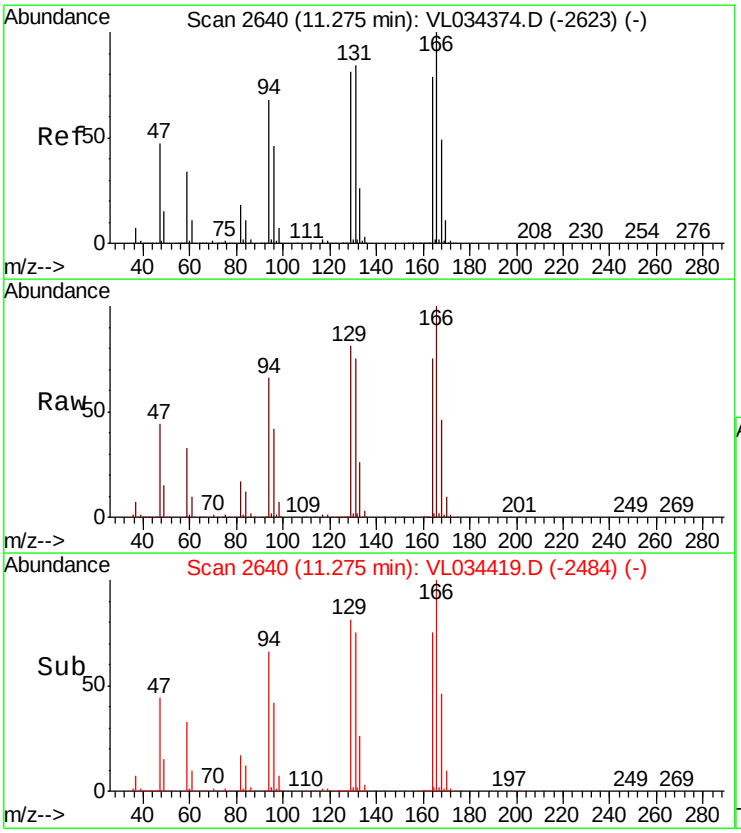
#51
2-Hexanone
Concen: 10.628 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1898000

Ion	Ratio	Lower	Upper
43	100		
58	46.2	38.2	57.4
98	0.2	0.2	0.2

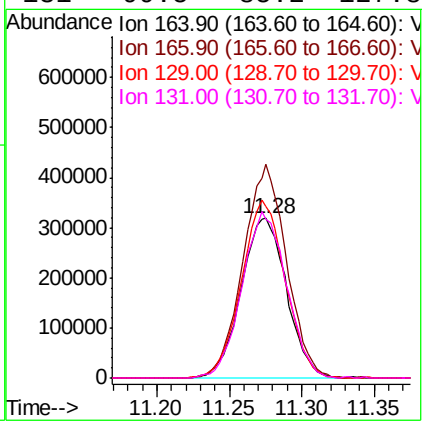


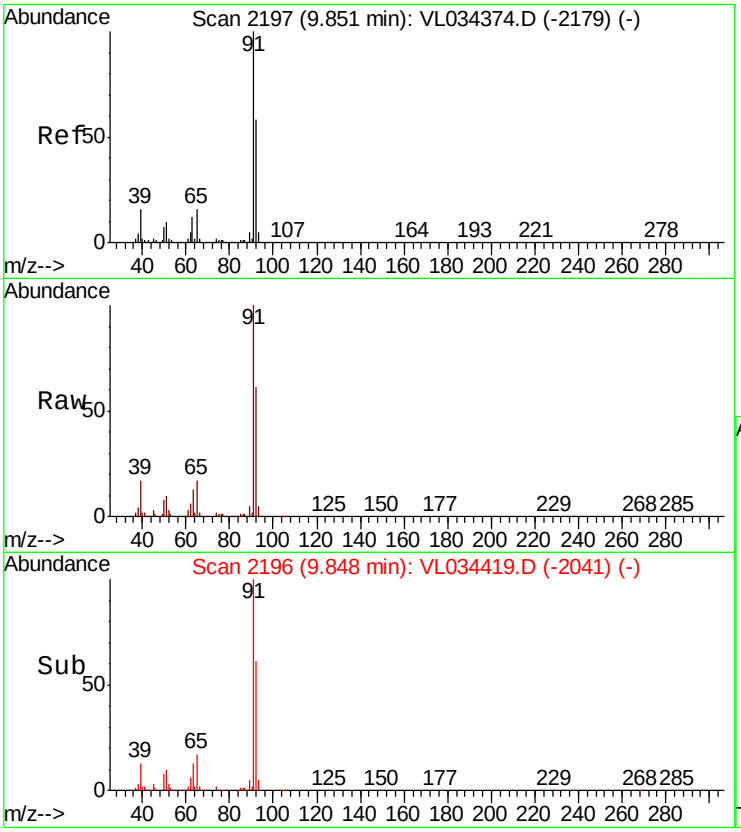


#52
Tetrachloroethene
Concen: 8.969 ppbv
RT: 11.28 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:164 Resp: 694460

Ion	Ratio	Lower	Upper
164	100		
166	133.4	101.7	152.5
129	107.5	82.6	123.8
131	99.5	85.2	127.8



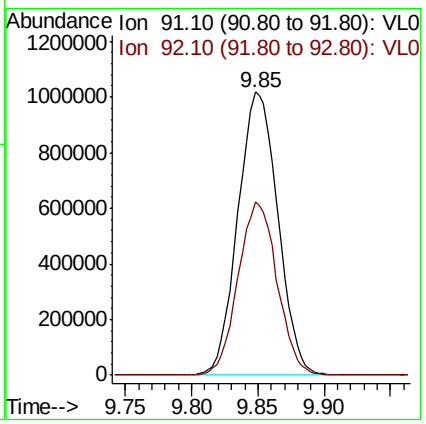


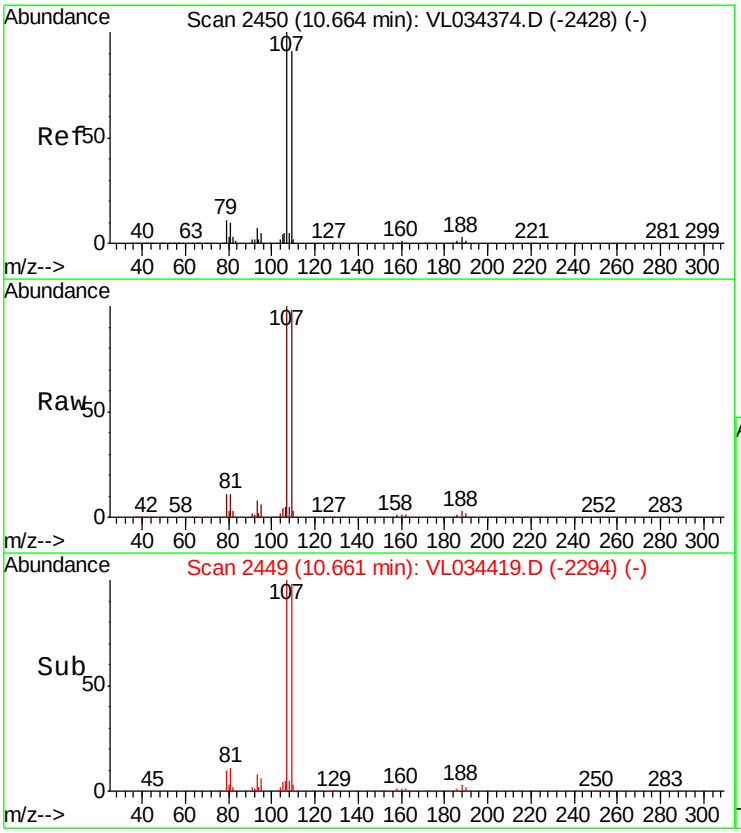
#53
Toluene
Concen: 10.489 ppbv
RT: 9.85 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2132101

Ion	Ratio	Lower	Upper
91	100		
92	59.9	47.9	71.9

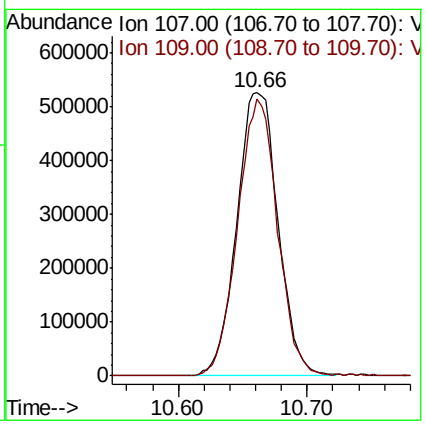


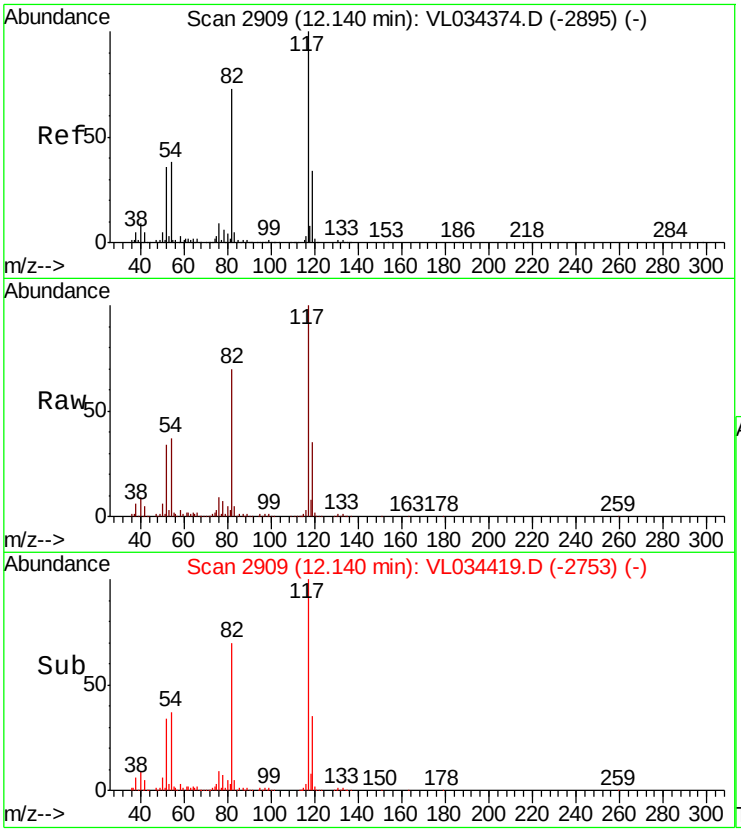


#54
1,2-Dibromoethane
Concen: 9.955 ppbv
RT: 10.66 min Scan# 2449
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:107 Resp: 1170485

Ion	Ratio	Lower	Upper
107	100		
109	97.9	73.0	109.4



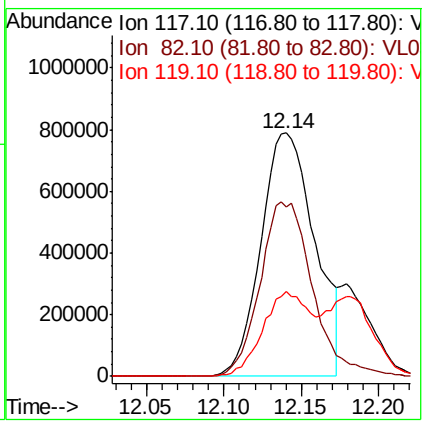


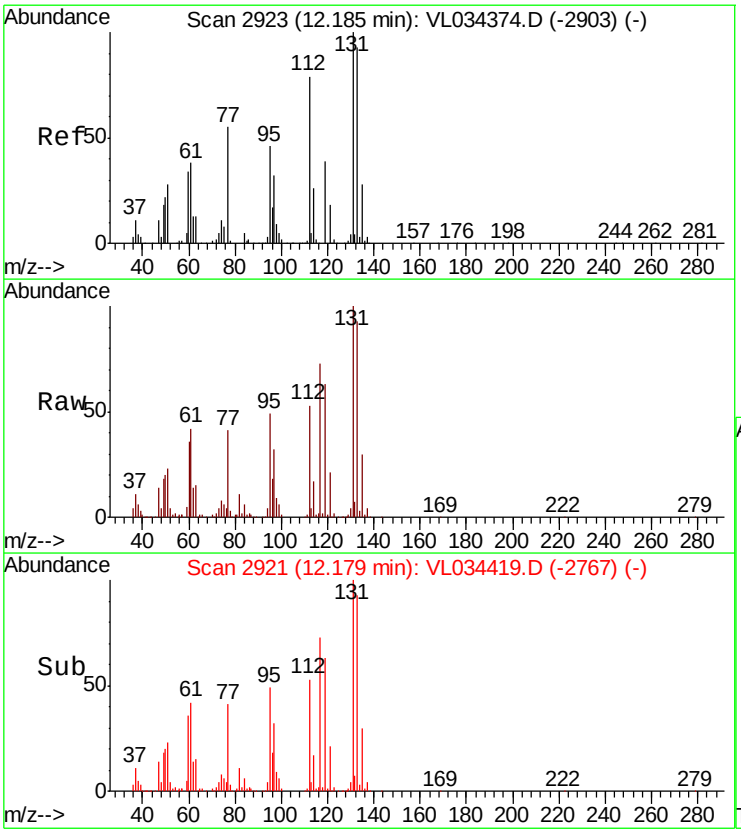
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1916456

Ion	Ratio	Lower	Upper
117	100		
82	70.1	57.5	86.3
119	32.4	25.4	38.2

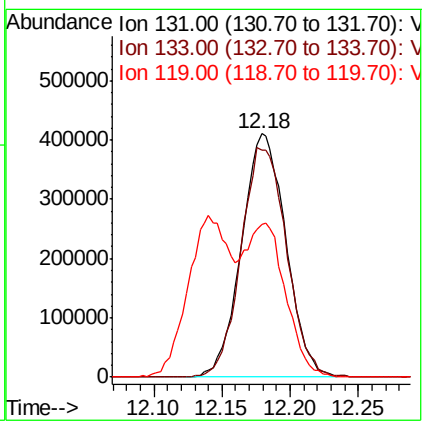


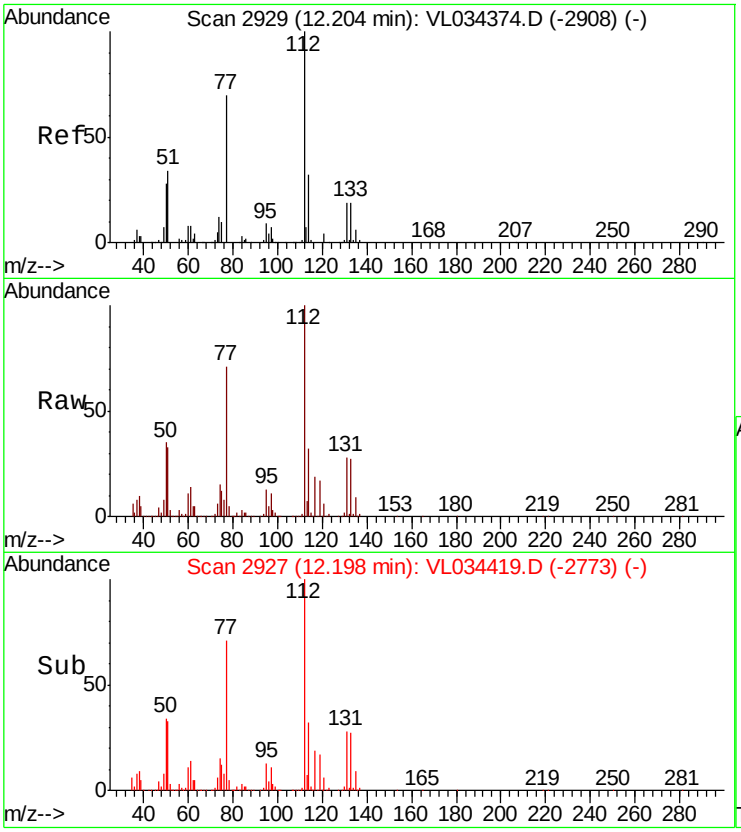


#56
1,1,1,2-Tetrachloroethane
Concen: 9.880 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:131 Resp: 926183

Ion	Ratio	Lower	Upper
131	100		
133	96.8	76.2	114.2
119	64.6	44.6	67.0



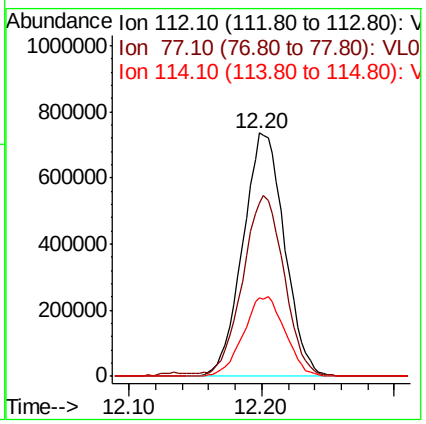


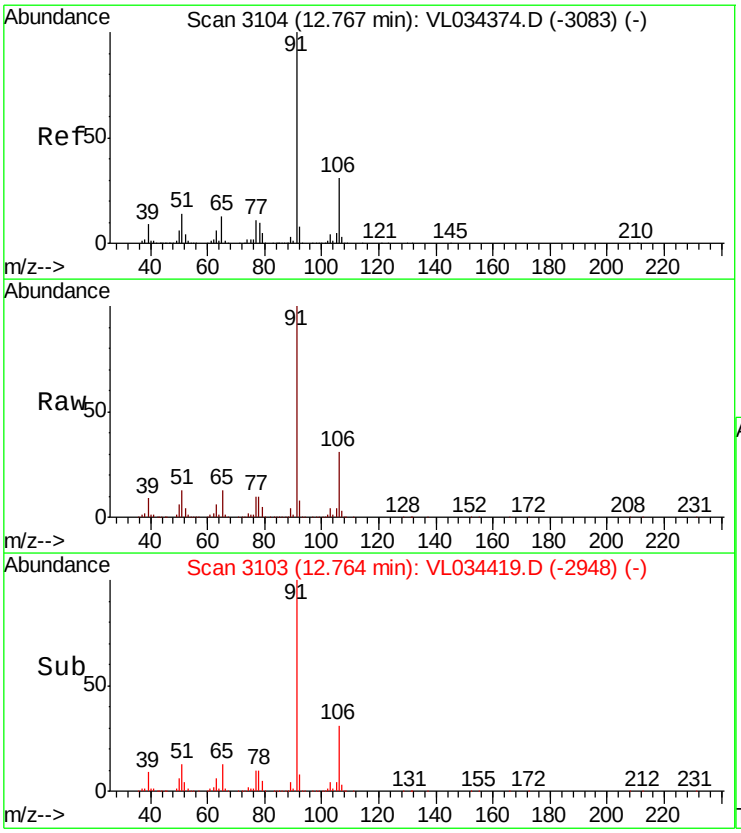
#57
Chlorobenzene
Concen: 9.267 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 1605348

Ion	Ratio	Lower	Upper
112	100		
77	70.9	57.1	85.7
114	32.0	28.5	34.9

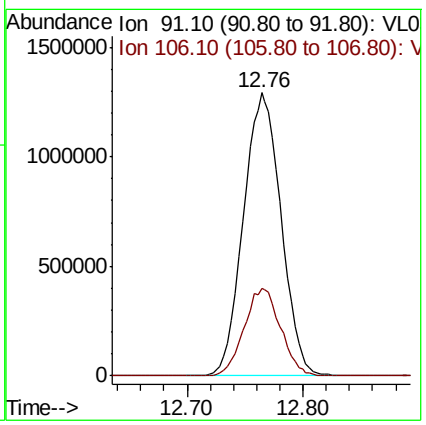


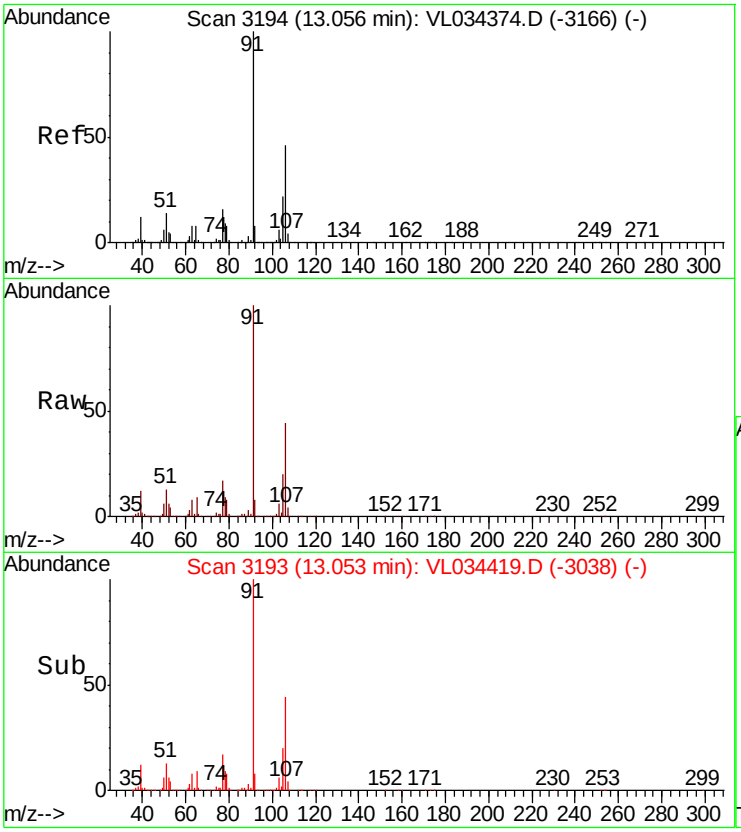


#58
Ethyl Benzene
Concen: 9.784 ppbv
RT: 12.76 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 91 Resp: 2909736

Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.8	37.2



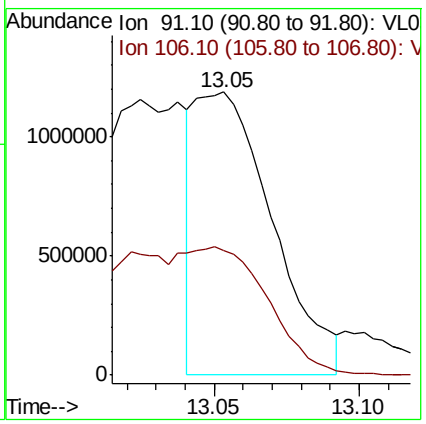


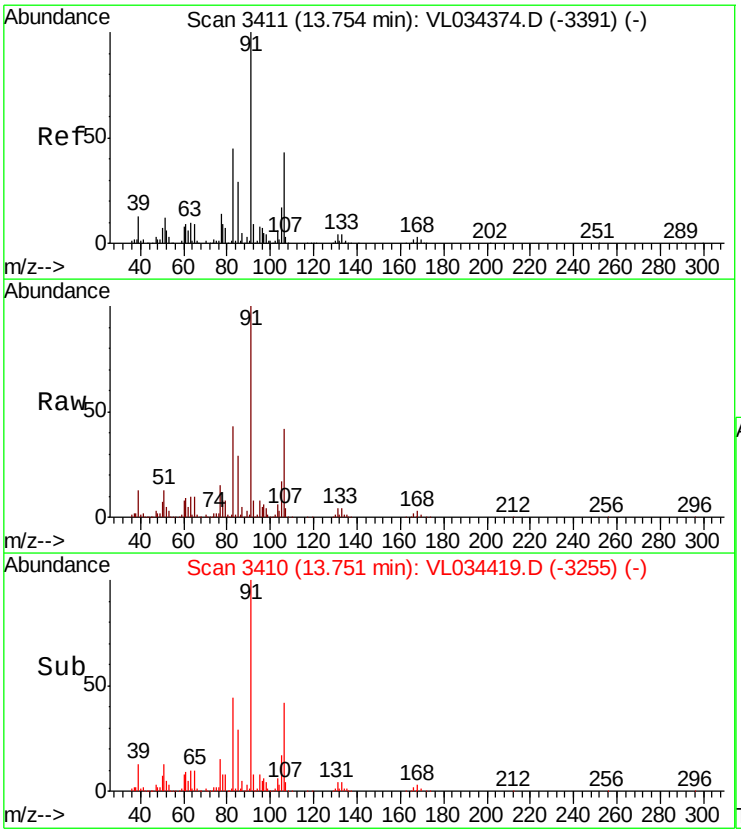
#59
m/p-Xylene
Concen: 8.524 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2191378

Ion	Ratio	Lower	Upper
91	100		
106	96.3	34.6	51.8#

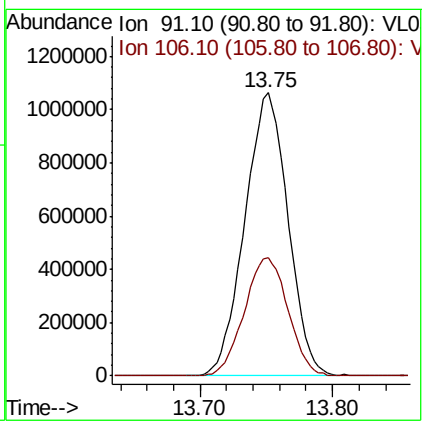


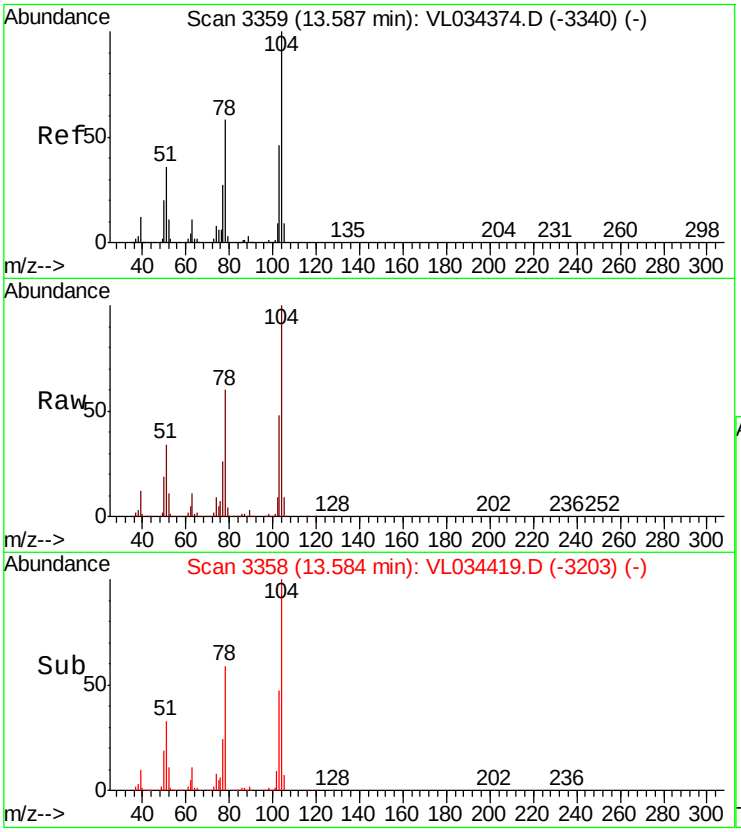


#60
o-Xylene
Concen: 9.461 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 91 Resp: 2404805

Ion	Ratio	Lower	Upper
91	100		
106	42.3	21.3	64.0



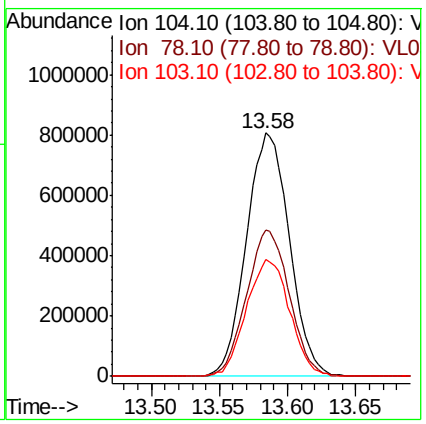


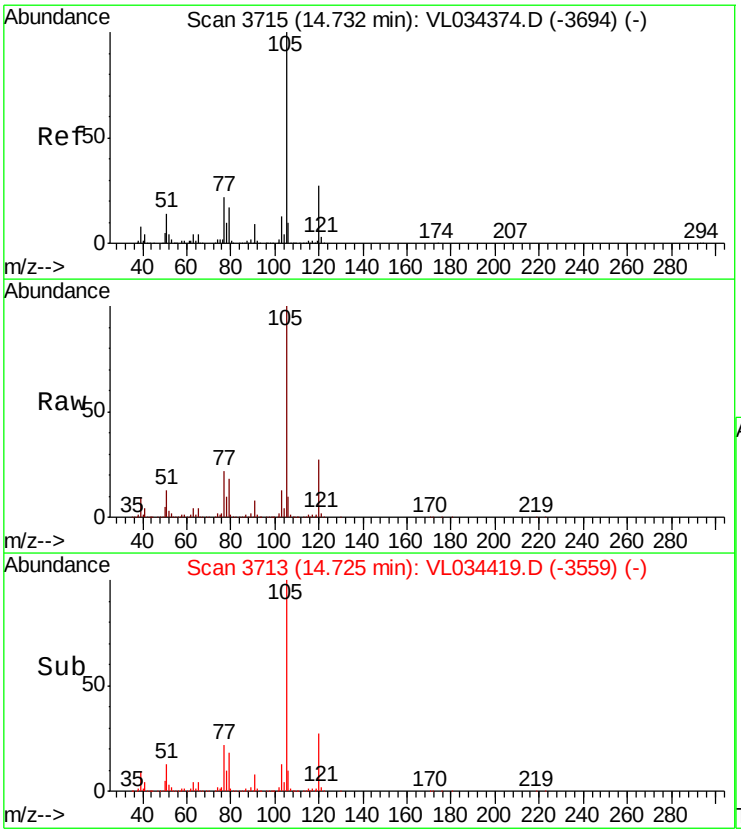
#61
Stvrene
Concen: 9.641 ppbv
RT: 13.58 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 1767131

Ion	Ratio	Lower	Upper
104	100		
78	59.9	47.6	71.4
103	48.5	38.6	57.8

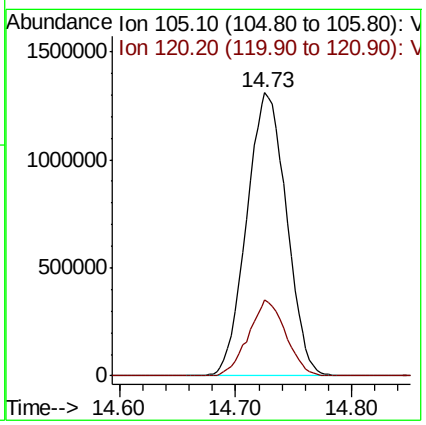


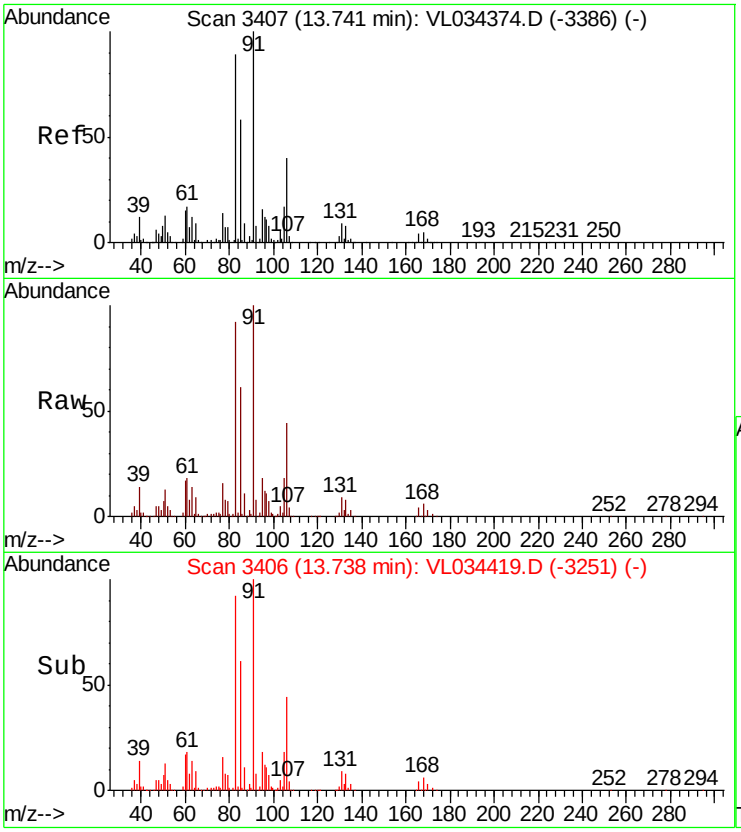


#62
Isopropylbenzene
Concen: 9.311 ppbv
RT: 14.73 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:105 Resp: 3130257

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.2	30.4



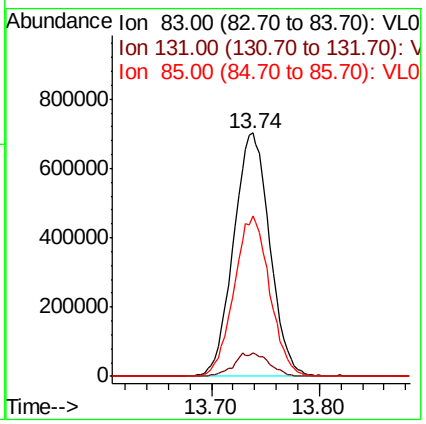


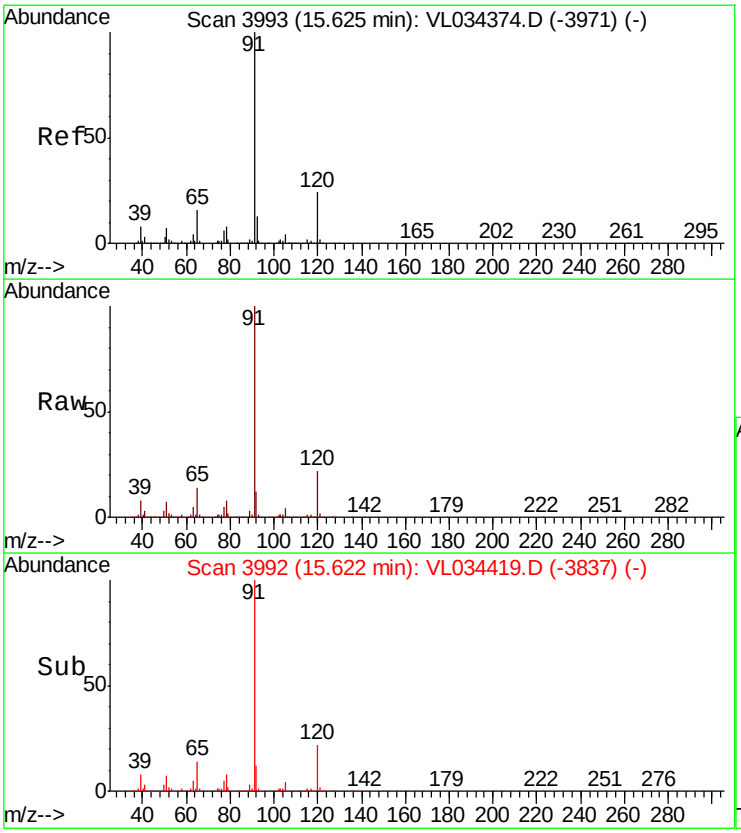
#63
1,1,2,2-Tetrachloroethane
Concen: 8.593 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1641913

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.9	14.7
85	64.8	32.6	97.8

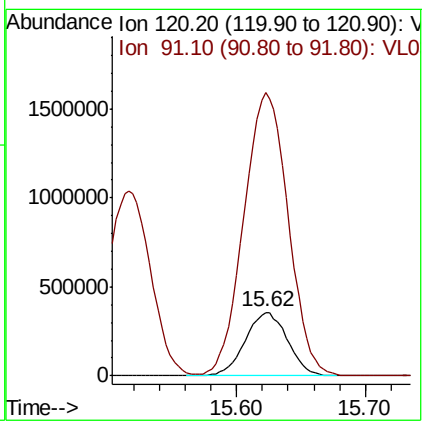


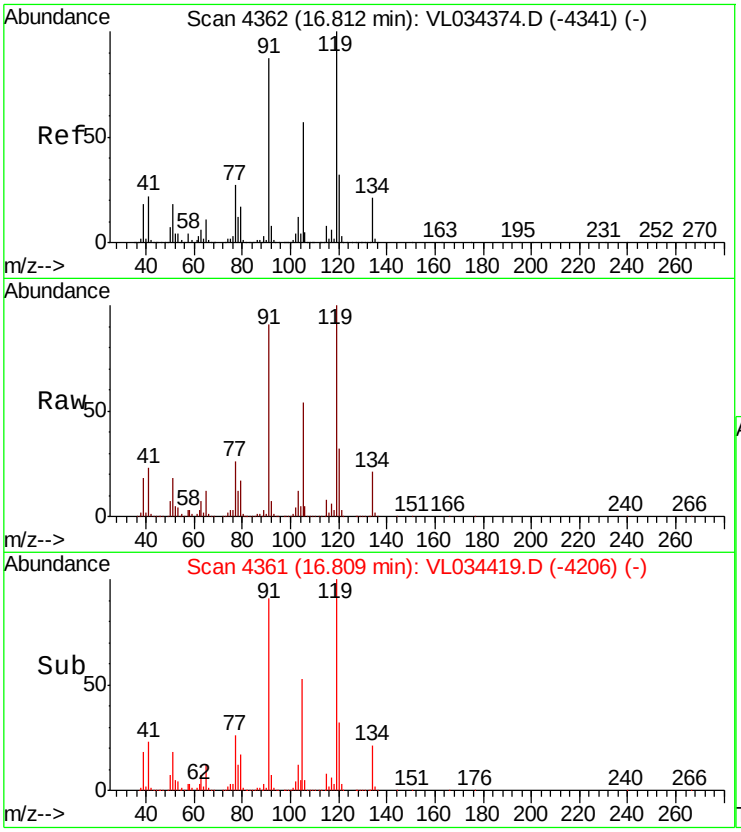


#64
n-propylbenzene
Concen: 9.347 ppbv
RT: 15.62 min Scan# 3992
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:120 Resp: 816018

Ion	Ratio	Lower	Upper
120	100		
91	468.3	370.9	556.3



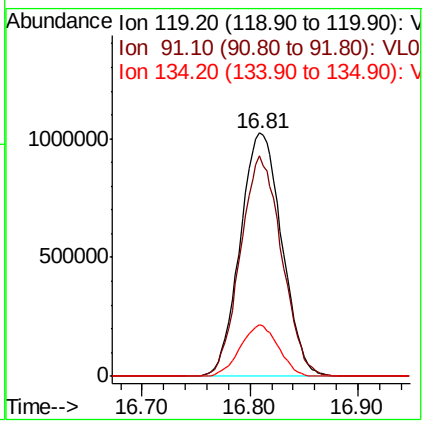


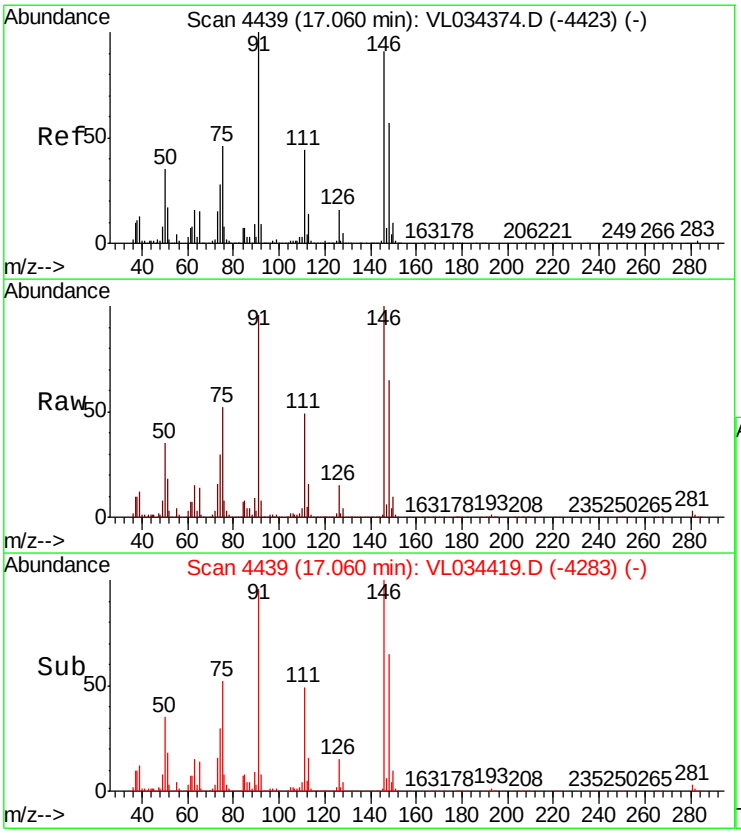
#65
tert-Butylbenzene
Concen: 9.118 ppbv
RT: 16.81 min Scan# 4361
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 2753245

Ion	Ratio	Lower	Upper
119	100		
91	89.7	71.6	107.4
134	19.4	15.9	23.9

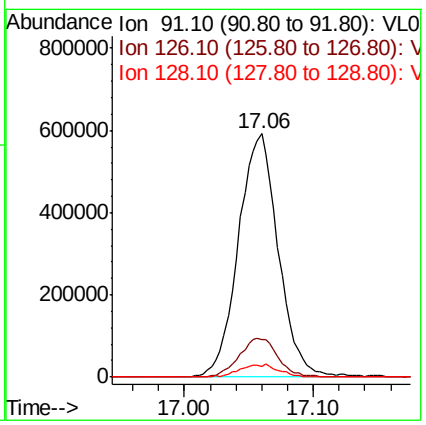


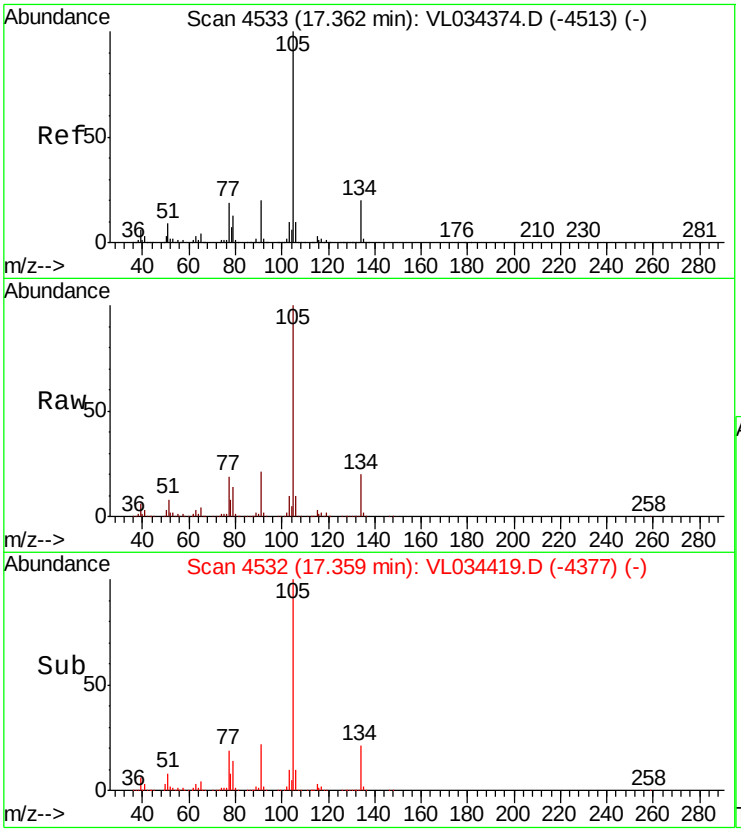


#66
Benzyl Chloride
Concen: 10.888 ppbv
RT: 17.06 min Scan# 4439
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 91 Resp: 1264816

Ion	Ratio	Lower	Upper
91	100		
126	15.8	12.9	19.3
128	5.2	4.3	6.5



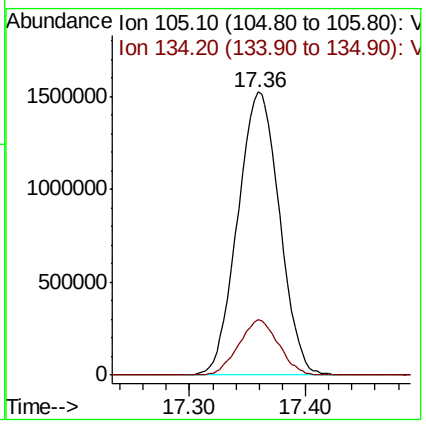


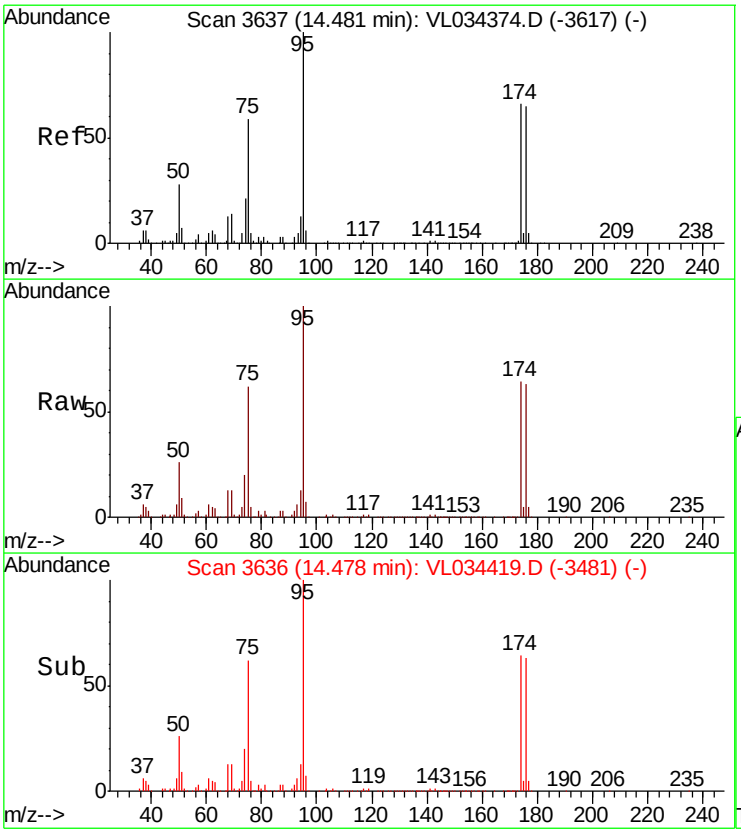
#67
sec-Butylbenzene
Concen: 9.037 ppbv
RT: 17.36 min Scan# 4532
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3817253

Ion	Ratio	Lower	Upper
105	100		
134	18.7	15.0	22.6

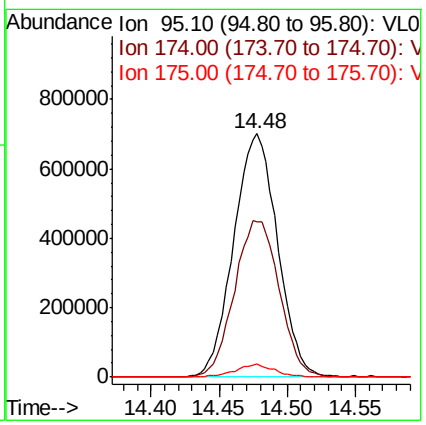


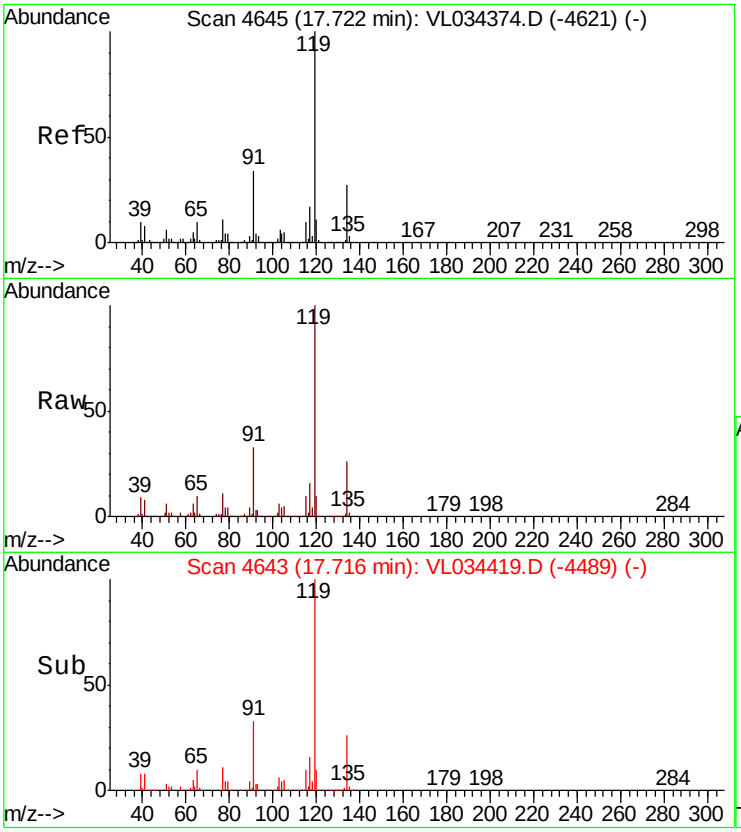


#68
1-Bromo-4-Fluorobenzene
Concen: 9.658 ppbv
RT: 14.48 min Scan# 3636
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 95 Resp: 1557080

Ion	Ratio	Lower	Upper
95	100		
174	66.5	52.2	78.2
175	4.8	3.8	5.8



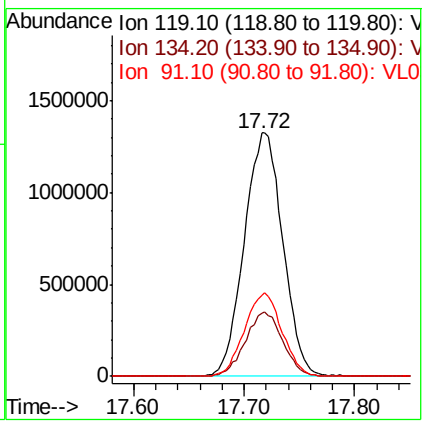


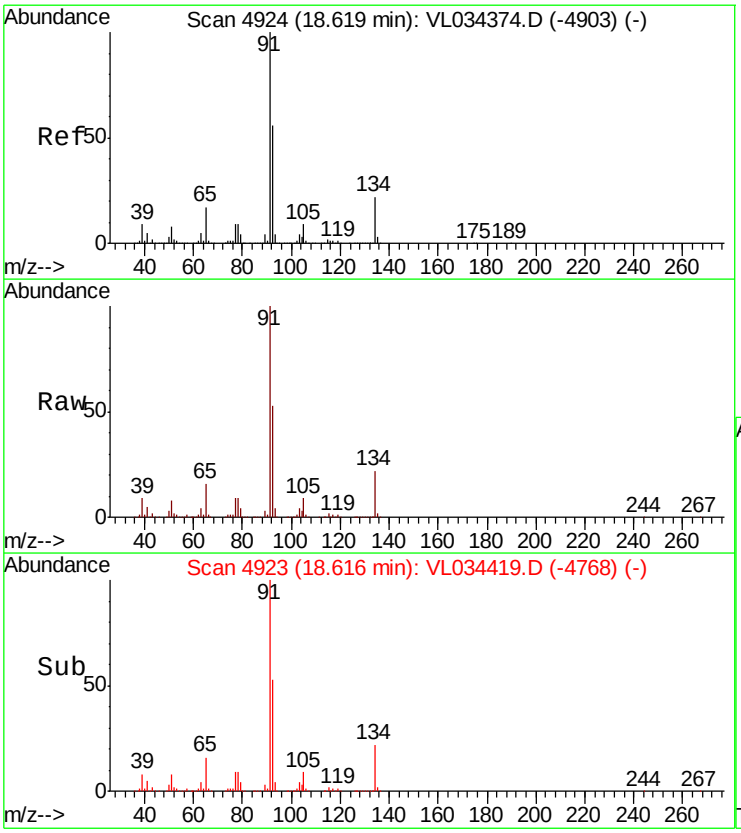
#69
p-Isopropyltoluene
Concen: 9.152 ppbv
RT: 17.72 min Scan# 4643
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3208295

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	31.0
91	33.5	26.3	39.5

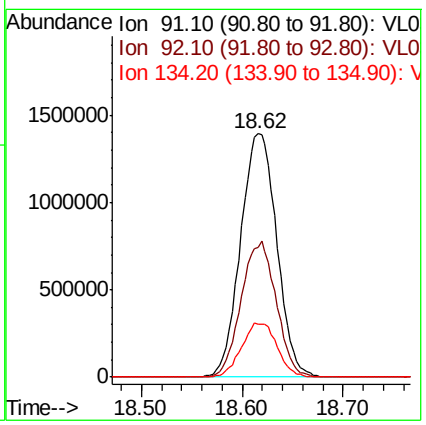


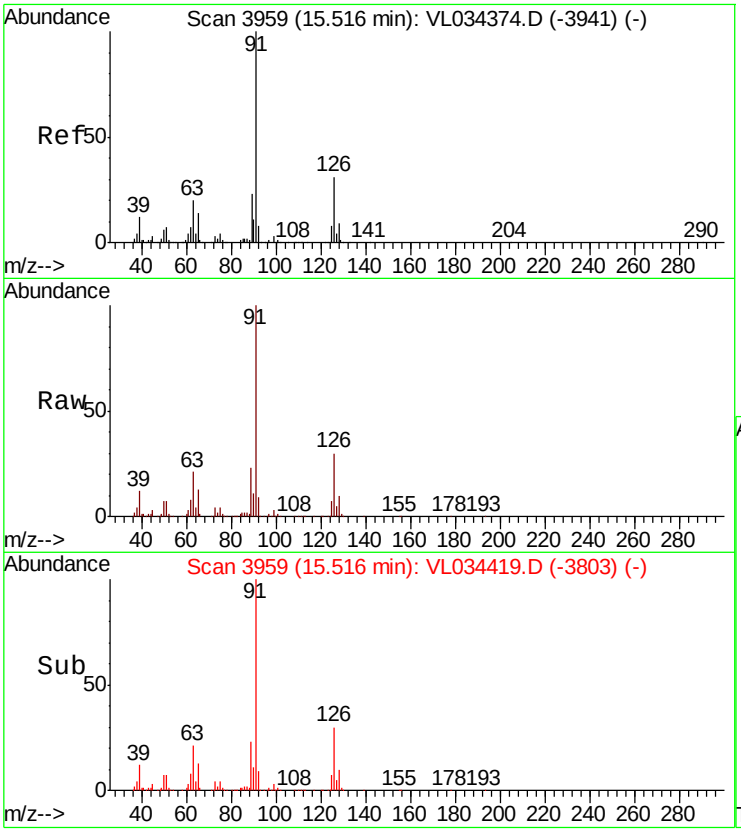


#70
n-Butylbenzene
Concen: 9.175 ppbv
RT: 18.62 min Scan# 4923
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion: 91 Resp: 3461006

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.6
134	21.9	17.9	26.9



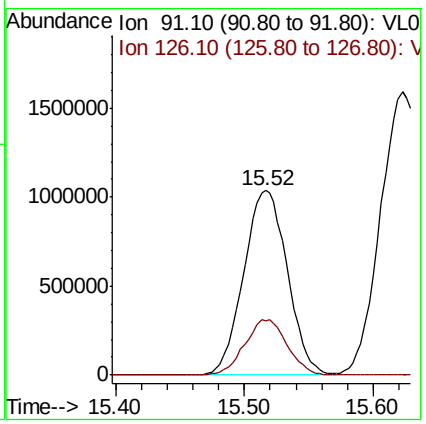


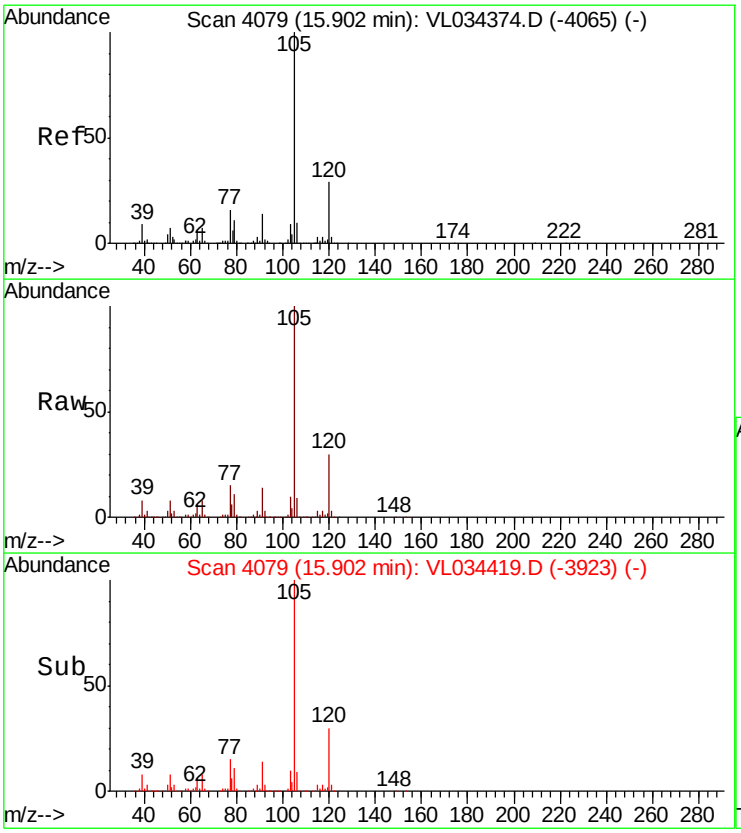
#71
2-Chlorotoluene
Concen: 9.144 ppbv
RT: 15.52 min Scan# 3959
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2451032

Ion	Ratio	Lower	Upper
91	100		
126	29.2	11.8	47.4

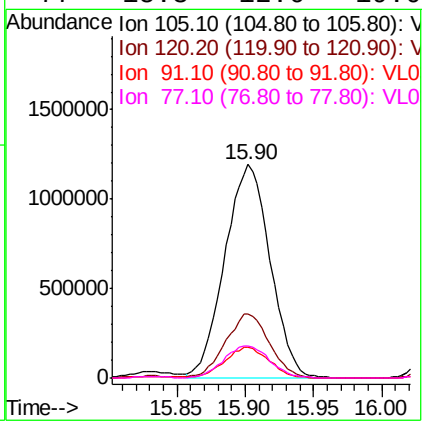


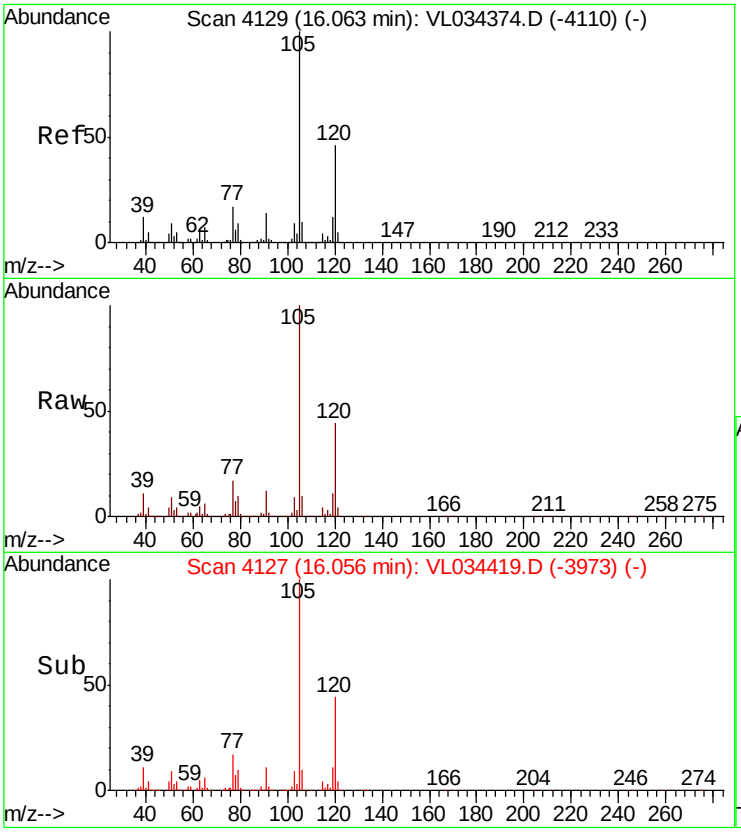


#72
4-Ethyltoluene
Concen: 9.314 ppbv
RT: 15.90 min Scan# 4079
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:105 Resp: 2735447

Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.5	35.3
91	14.3	11.4	17.0
77	15.3	12.6	19.0



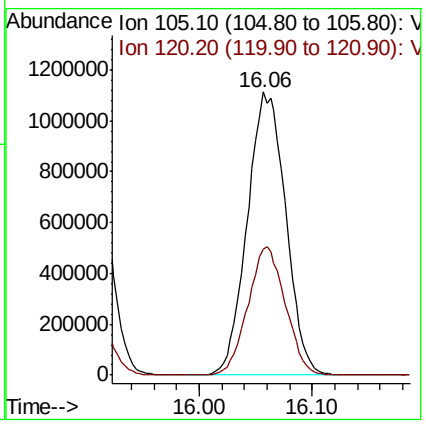


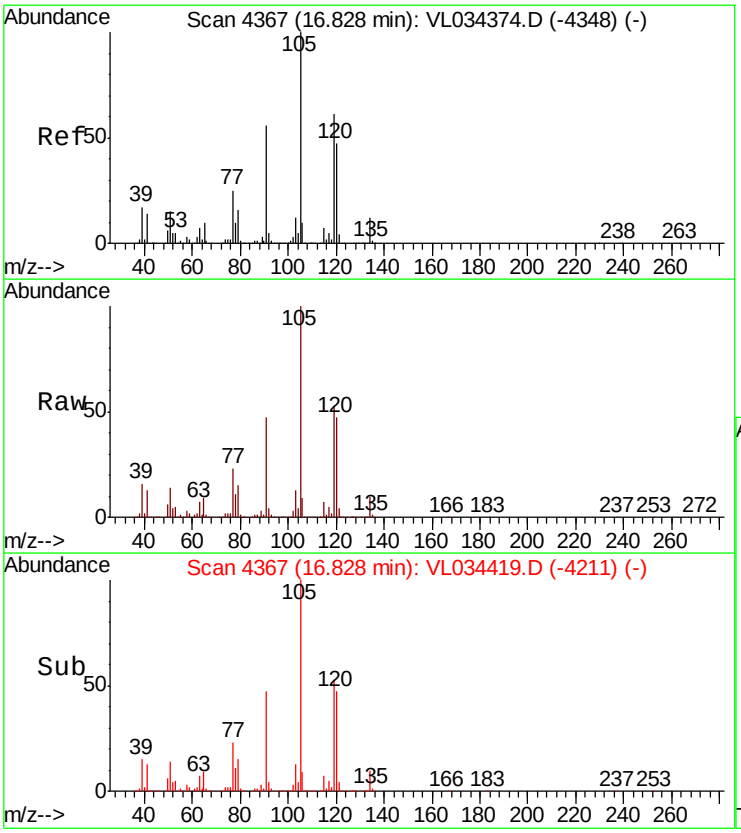
#73
1,3,5-Trimethylbenzene
Concen: 9.122 ppbv
RT: 16.06 min Scan# 4127
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 2622528

Ion	Ratio	Lower	Upper
105	100		
120	44.5	37.1	55.7

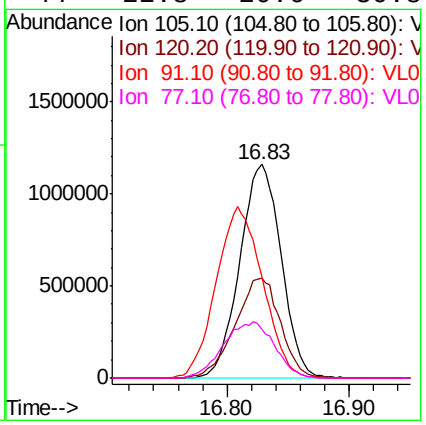


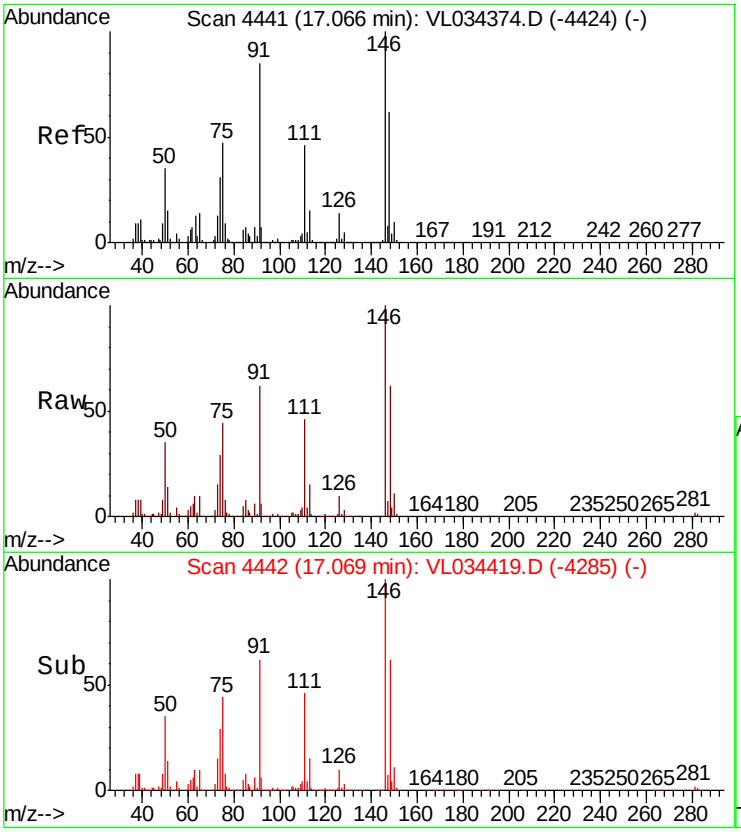


#74
1,2,4-Trimethylbenzene
Concen: 8.877 ppbv
RT: 16.83 min Scan# 4367
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:105 Resp: 2710992

Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.4	56.0
91	47.0	46.3	69.5
77	22.8	20.6	30.8



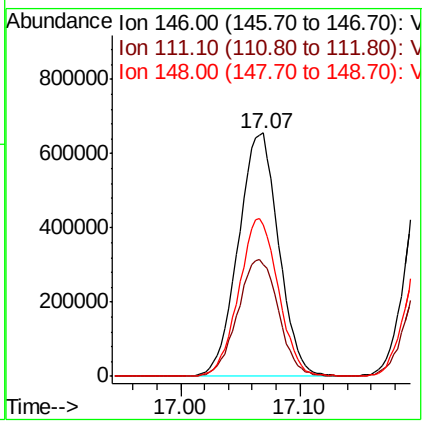


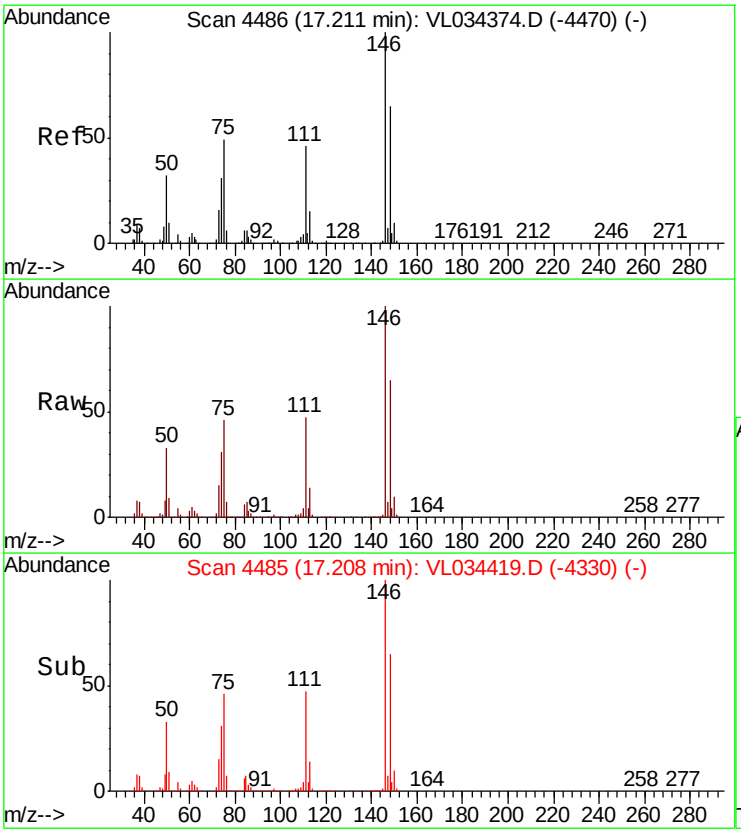
#75
1,3-Dichlorobenzene
Concen: 8.773 ppbv
RT: 17.07 min Scan# 4442
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1539997

Ion	Ratio	Lower	Upper
146	100		
111	48.8	24.4	73.4
148	63.7	32.4	97.0

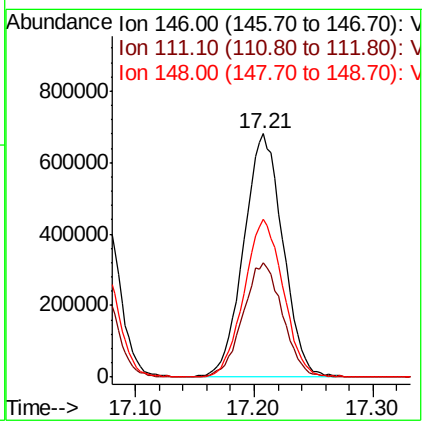


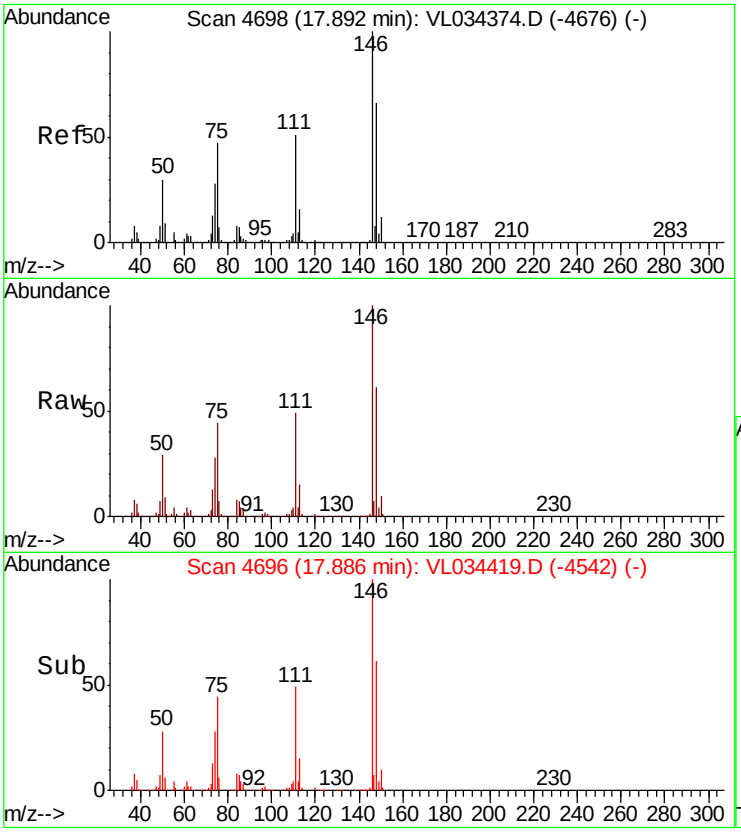


#76
1,4-Dichlorobenzene
Concen: 9.032 ppbv
RT: 17.21 min Scan# 4485
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:146 Resp: 1539521

Ion	Ratio	Lower	Upper
146	100		
111	47.9	24.1	72.3
148	64.8	32.9	98.6



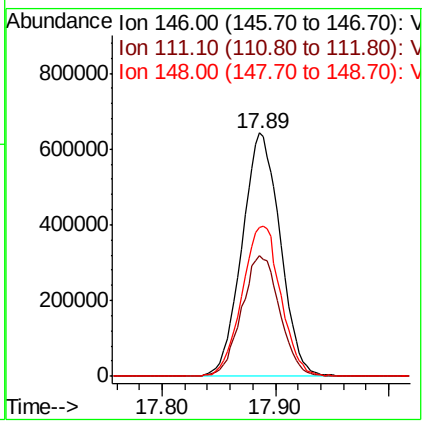


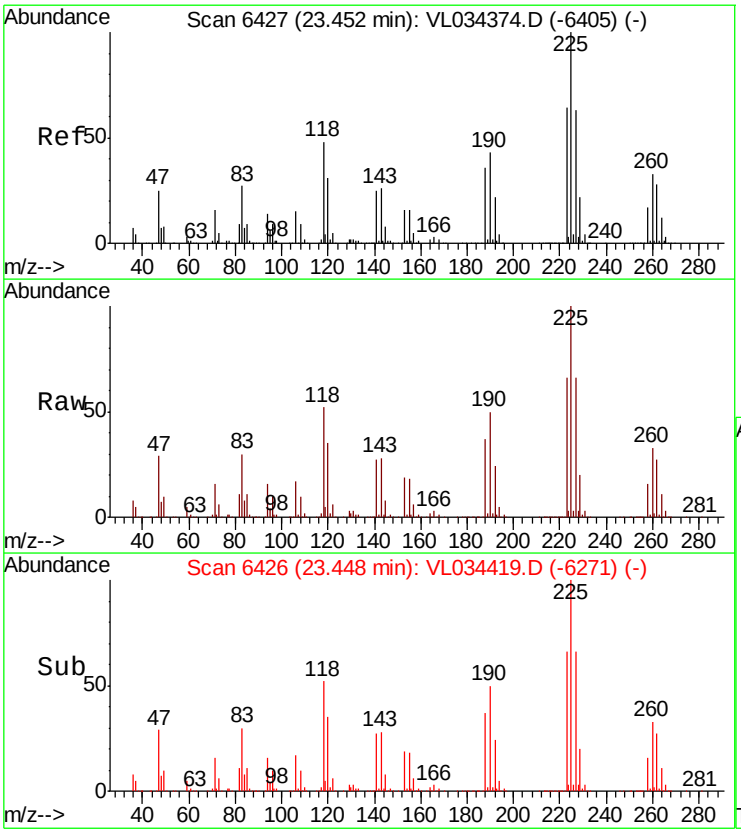
#77
1,2-Dichlorobenzene
Concen: 8.877 ppbv
RT: 17.89 min Scan# 4696
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1505050

Ion	Ratio	Lower	Upper
146	100		
111	49.5	25.0	75.0
148	62.9	32.7	98.1

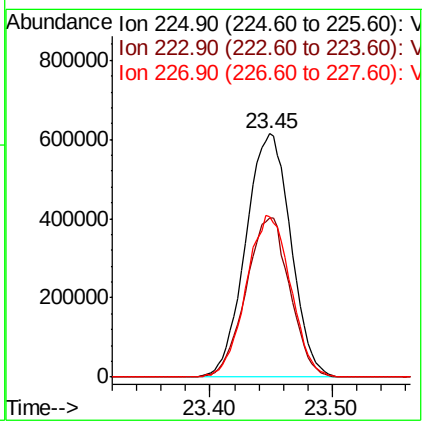


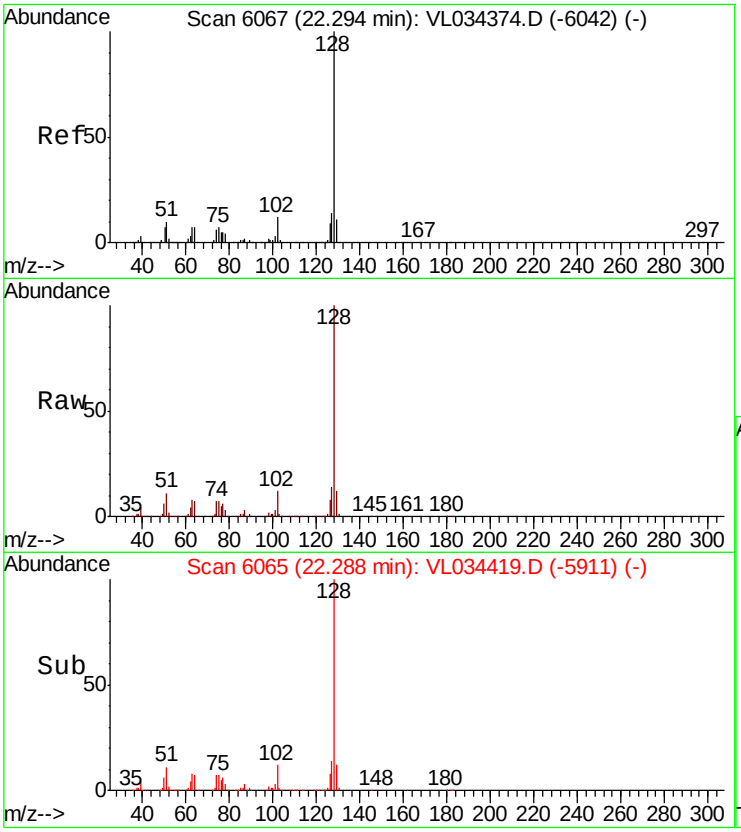


#78
Hexachloro-1,3-Butadiene
Concen: 10.807 ppbv
RT: 23.45 min Scan# 6426
Delta R.T. -0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:225 Resp: 1574283

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.2	75.2
227	65.3	51.5	77.3



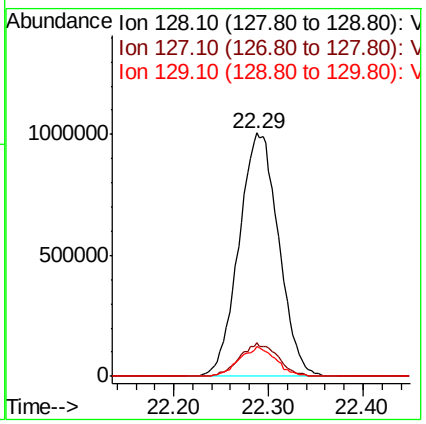


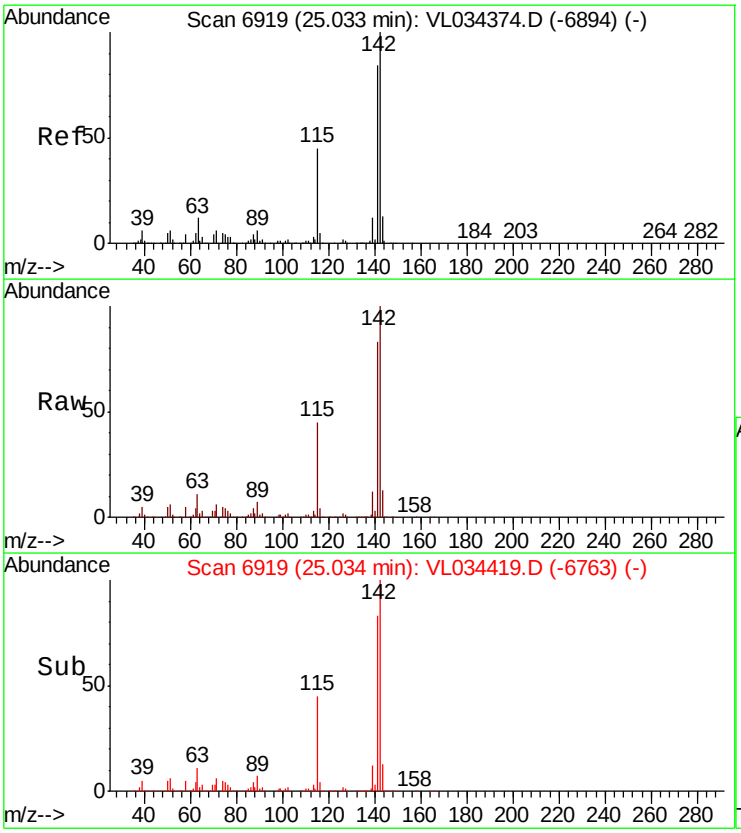
#79
Naphthalene
Concen: 11.064 ppbv
RT: 22.29 min Scan# 6065
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 2929131

Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.0	16.6
129	12.0	8.9	13.3

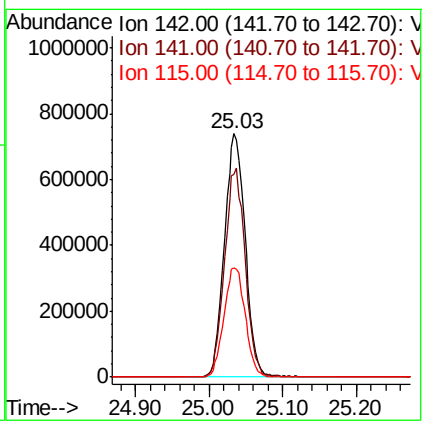


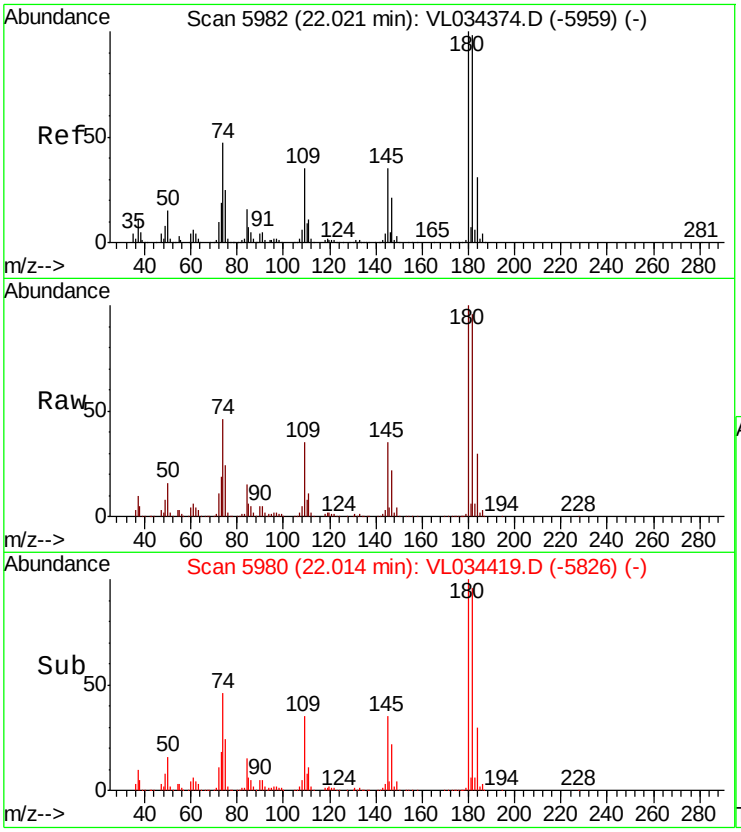


#80
Naphthalene,2-methyl-
Concen: 12.135 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Tgt Ion:142 Resp: 1450624

Ion	Ratio	Lower	Upper
142	100		
141	85.2	67.1	100.7
115	45.9	36.6	54.8





#81
1,2,4-Trichlorobenzene
Concen: 10.488 ppbv
RT: 22.01 min Scan# 5980
Delta R.T. -0.01 min
Lab File: VL034419.D
Acq: 25 Nov 2019 23:35

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 1705761

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.8	115.2
184	30.8	24.9	37.3