Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034421.D
Acq On : 2 Dec 2019 9:25
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 03 02:47:47 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	5.69	49	935075	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.21	114	1882343	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.15	117	2000468	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.49	95	1674228	9.95	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	1957860	11.574	ppbv		98
3) Chlorodifluoromethane	2.96	51	1149987	9.857	ppbv		99
4) Chloromethane	3.12	50	697344	10.134	ppbv		99
5) Vinyl Chloride	3.24	62	645609	10.013	ppbv		93
6) Bromomethane	3.46	94	340588	10.499	ppbv		95
7) Chloroethane	3.54	64	240425	10.274	ppbv		97
8) Dichlorotetrafluoroethane	3.17	85	1491424	9.818	ppbv		100
9) Propene	2.99	41	500121	9.656	ppbv		98
10) Heptane	8.17	43	1339261	10.019	ppbv		100
11) Trichlorofluoromethane	3.94	101	1683864	10.002	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1139861	10.195	ppbv		99
13) Ethanol	3.59	45	51686	3.582	ppbv	#	40
14) Bromoethene	3.73	108	464076	10.208	ppbv		98
15) Acetone	3.84	43	1247018	9.313	ppbv		100
16) 1,3-Butadiene	3.31	39	606251	10.394	ppbv		100
17) tert-Butyl alcohol	4.29	59	942984	8.378	ppbv		99
18) 1,1-Dichloroethene	4.29	96	511127	10.451	ppbv		96
19) Isopropyl Alcohol	3.96	45	752140	8.764	ppbv		100
20) Methylene Chloride	4.34	84	439908	9.265	ppbv		97
21) Allyl Chloride	4.41	41	875594	10.913	ppbv		100
22) trans-1,2-Dichloroethene	4.89	96	524637	10.642	ppbv		97
23) Vinyl Acetate	5.09	43	1847677	10.563	ppbv	#	99
24) 1,1-Dichloroethane	5.02	63	1356489	10.096	ppbv		100
25) Ethyl Acetate	5.70	43	2351884	9.843	ppbv		99
26) Hexane	5.71	57	998381	9.724	ppbv		98
27) Carbon Disulfide	4.55	76	1338360	11.968	ppbv		98
28) Methyl tert-Butyl Ether	5.04	73	1745770	10.254	ppbv		100
29) Chloroform	5.78	83	1653578	9.945	ppbv		97
30) Cyclohexane	7.17	84	819221	10.554	ppbv		98
31) cis-1,2-Dichloroethene	5.57	61	1095651	10.327	ppbv		95
32) 1,1,1-Trichloroethane	6.54	97	1686563	10.819	ppbv		99
34) 2-Butanone	5.26	43	1565553	10.104	ppbv		99
35) Carbon Tetrachloride	7.06	117	1774094	10.962	ppbv		96
36) Benzene	6.93	78	1922209	10.215	ppbv		98
37) 1,2-Dichloroethane	6.34	62	1427940	10.215	ppbv		100
38) Trichloroethene	7.88	130	775227	10.039	ppbv		99
39) 1,2-Dichloropropane	7.65	63	806150	11.121	ppbv		99
40) 1,4-Dioxane	7.87	88	278203	8.785	ppbv	#	97
41) Tetrahydrofuran	6.07	42	896137	10.312	ppbv		98
42) Bromodichloromethane	7.84	83	1856476	10.619	ppbv		100
43) Methyl Methacrylate	8.06	69	829744	10.632	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034421.D
Acq On : 2 Dec 2019 9:25
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 03 02:47:47 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	7.91	57	3441866	10.009	ppbv		100
45) t-1,3-Dichloropropene	9.33	75	1169367	11.683	ppbv		99
46) cis-1,3-Dichloropropene	8.75	75	1305780	11.615	ppbv		98
47) 1,1,2-Trichloroethane	9.53	97	828538	10.274	ppbv		97
48) Dibromochloromethane	10.37	129	1560518	11.271	ppbv		99
49) Bromoform	13.11	173	1405384	11.371	ppbv		99
50) 4-Methyl-2-Pentanone	8.79	43	2305957	10.286	ppbv		100
51) 2-Hexanone	10.18	43	1954405	10.408	ppbv		98
52) Tetrachloroethene	11.28	164	741171	9.104	ppbv		98
53) Toluene	9.86	91	2244723	10.502	ppbv		99
54) 1,2-Dibromoethane	10.67	107	1260418	10.195	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.19	131	1019770	10.421	ppbv		96
57) Chlorobenzene	12.22	112	1729298	9.563	ppbv		99
58) Ethyl Benzene	12.78	91	3103565	9.997	ppbv		100
59) m/p-Xylene	13.06	91	2548339	9.496	ppbv	#	27
60) o-Xylene	13.76	91	2584387	9.740	ppbv		99
61) Styrene	13.60	104	1938188	10.130	ppbv		100
62) Isopropylbenzene	14.74	105	3390518	9.662	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.75	83	779143	3.907	ppbv	#	1
64) n-propylbenzene	15.64	120	894033	9.811	ppbv		99
65) tert-Butylbenzene	16.82	119	3023734	9.593	ppbv		100
66) Benzyl Chloride	17.07	91	1570678	12.953	ppbv		100
67) sec-Butylbenzene	17.37	105	4138901	9.387	ppbv		100
69) p-Isopropyltoluene	17.73	119	3506721	9.583	ppbv		100
70) n-Butylbenzene	18.63	91	3712046	9.428	ppbv		99
71) 2-Chlorotoluene	15.53	91	2691927	9.621	ppbv		100
72) 4-Ethyltoluene	15.92	105	2997528	9.778	ppbv		99
73) 1,3,5-Trimethylbenzene	16.07	105	2874032	9.577	ppbv		97
74) 1,2,4-Trimethylbenzene	16.84	105	2973194	9.327	ppbv	#	88
75) 1,3-Dichlorobenzene	17.08	146	1701714	9.287	ppbv		100
76) 1,4-Dichlorobenzene	17.22	146	1708064	9.600	ppbv		99
77) 1,2-Dichlorobenzene	17.90	146	1639129	9.262	ppbv		100
78) Hexachloro-1,3-Butadiene	23.46	225	1488721	9.791	ppbv		100
79) Naphthalene	22.31	128	2595297	9.392	ppbv		97
80) Naphthalene,2-methyl-	25.05	142	1470148	11.782	ppbv		100
81) 1,2,4-Trichlorobenzene	22.03	180	1571848	9.259	ppbv		100

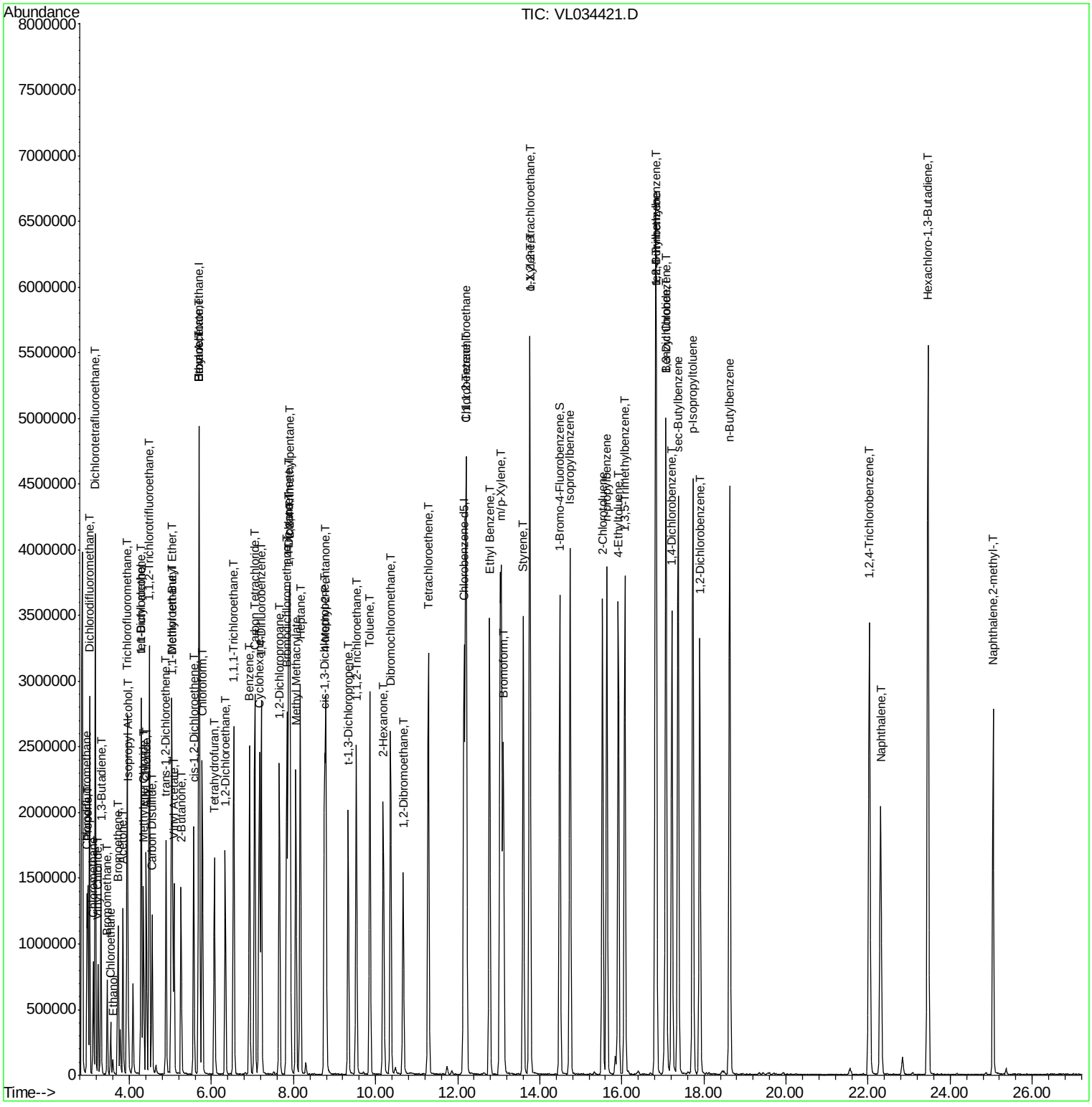
(#) = qualifier out of range (m) = manual integration (+) = signals summed

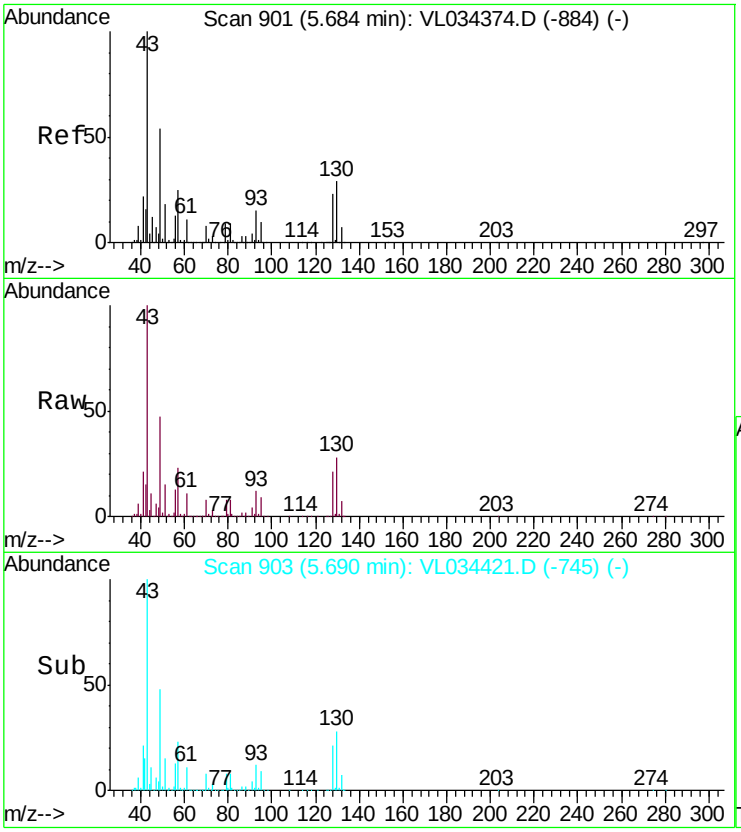
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034421.D
Acq On : 2 Dec 2019 9:25
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Dec 03 02:47:47 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



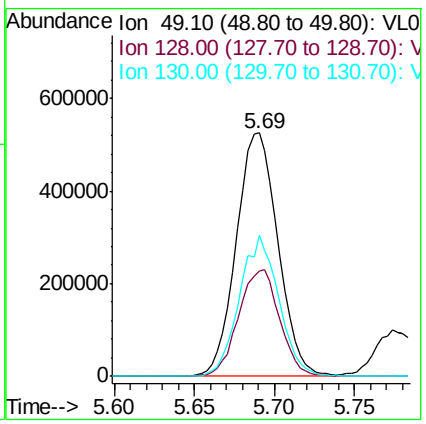


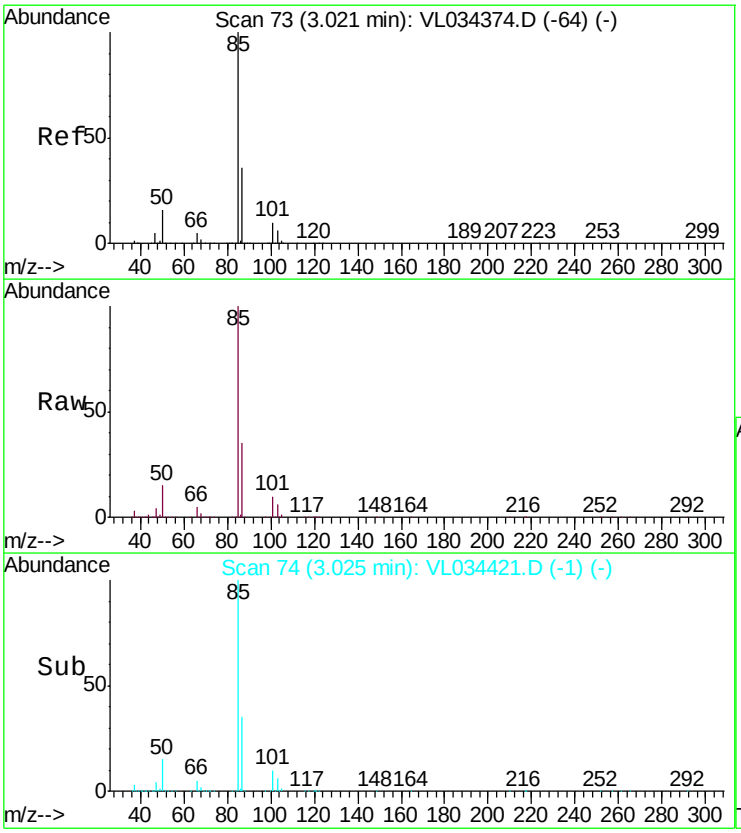
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 935075

Ion	Ratio	Lower	Upper
49	100		
128	43.3	21.8	65.3
130	54.4	28.0	84.0

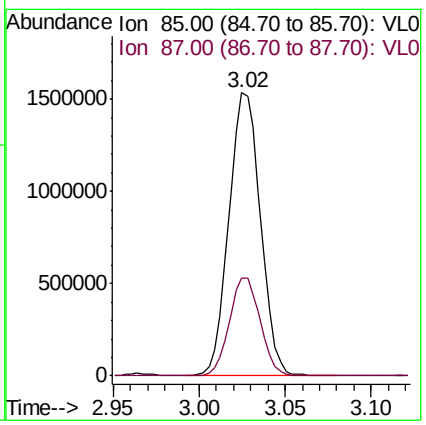


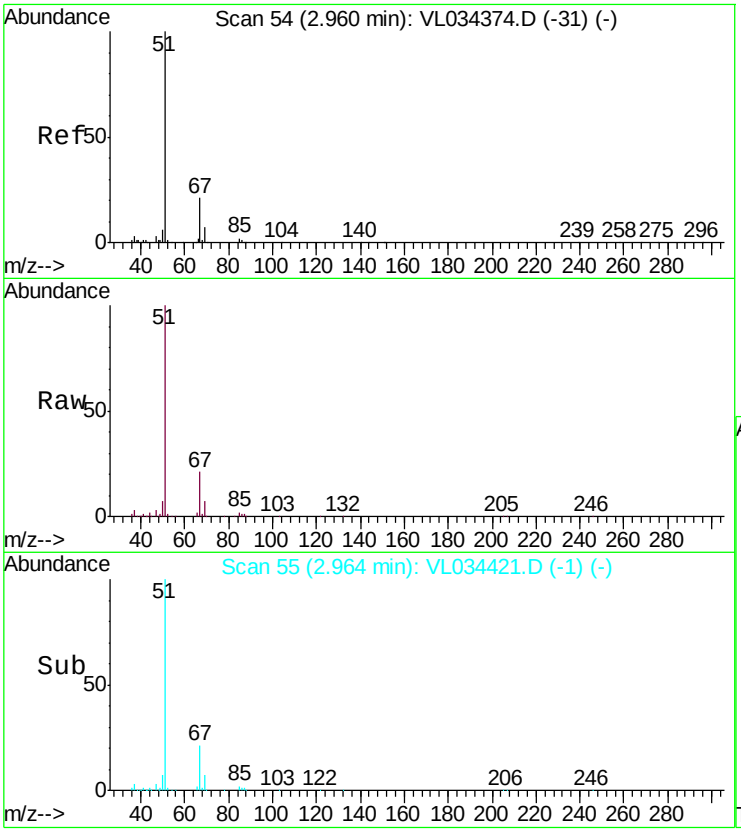


#2
Dichlorodifluoromethane
Concen: 11.574 ppbv
RT: 3.02 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 85 Resp: 1957860

Ion	Ratio	Lower	Upper
85	100		
87	34.7	28.5	42.7



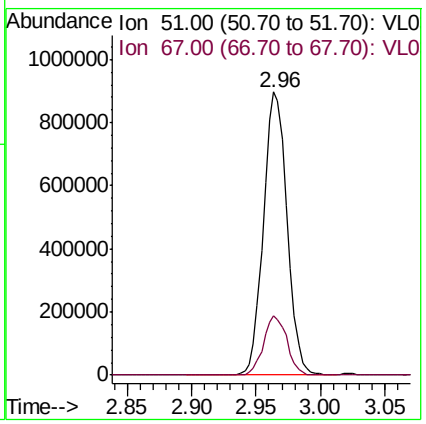


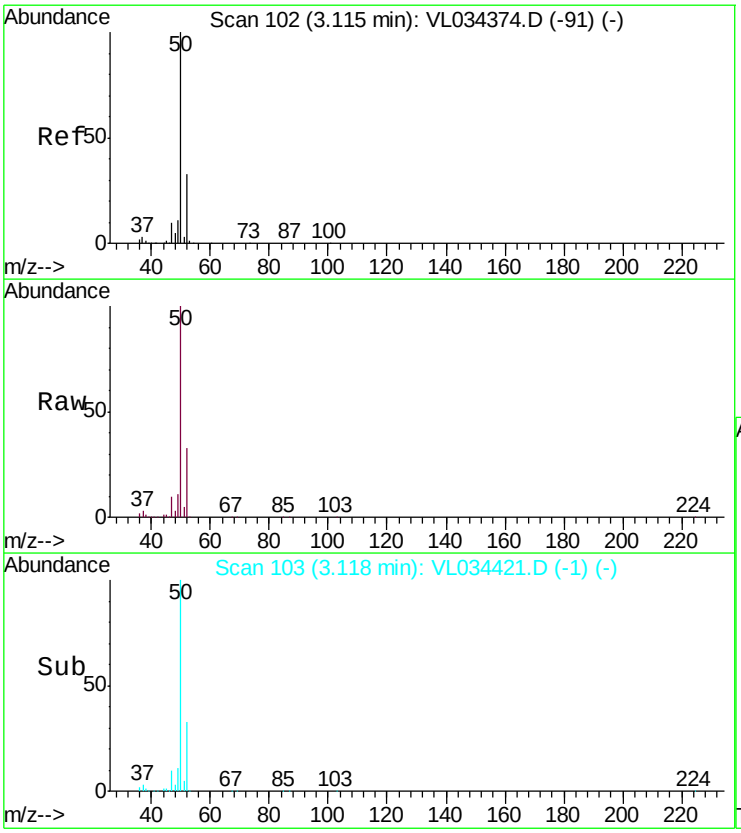
#3
Chlorodifluoromethane
Concen: 9.857 ppbv
RT: 2.96 min Scan# 55
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1149987

Ion	Ratio	Lower	Upper
51	100		
67	20.7	16.2	24.2

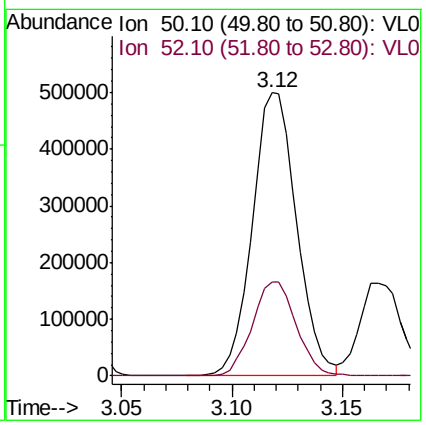


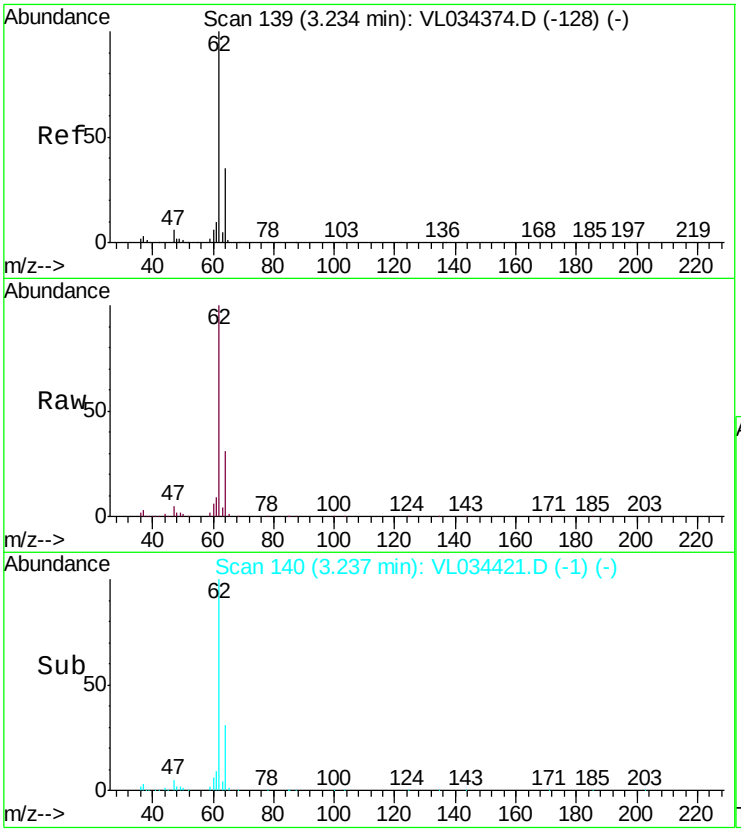


#4
Chloromethane
Concen: 10.134 ppbv
RT: 3.12 min Scan# 103
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 50 Resp: 697344

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.8	40.2



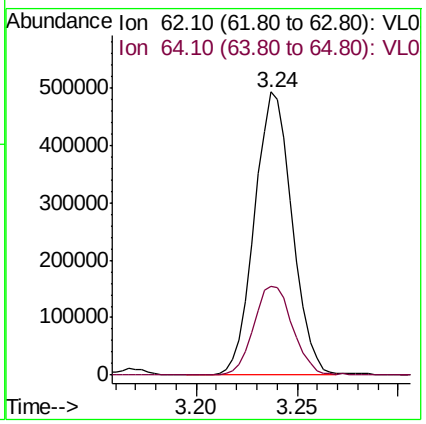


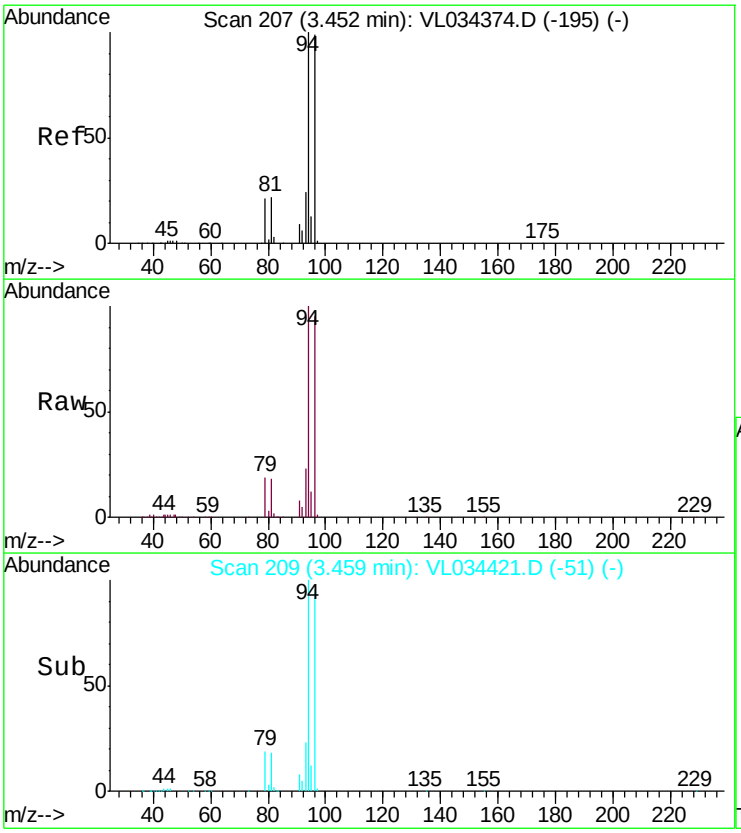
#5
Vinyl Chloride
Concen: 10.013 ppbv
RT: 3.24 min Scan# 140
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 645609

Ion	Ratio	Lower	Upper
62	100		
64	31.5	28.4	42.6

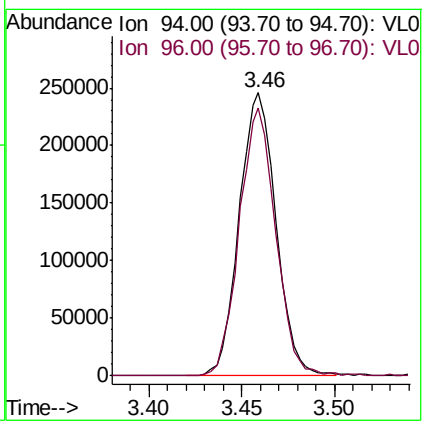


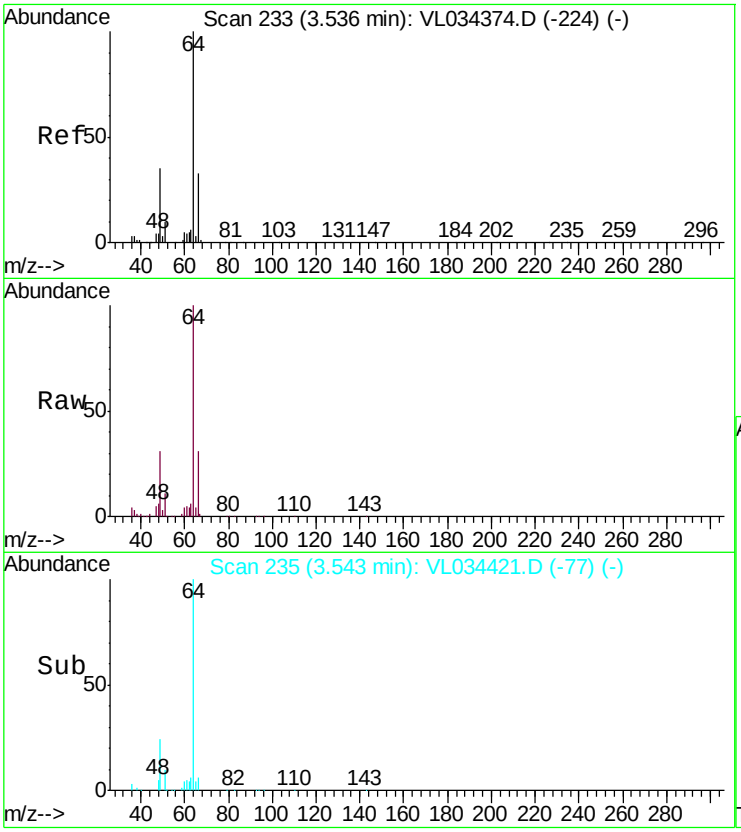


#6
Bromomethane
Concen: 10.499 ppbv
RT: 3.46 min Scan# 209
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 94 Resp: 340588

Ion	Ratio	Lower	Upper
94	100		
96	94.9	79.5	119.3



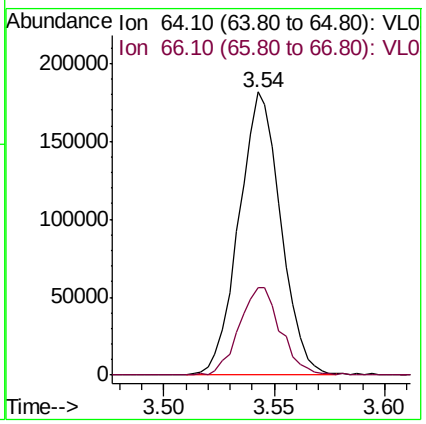


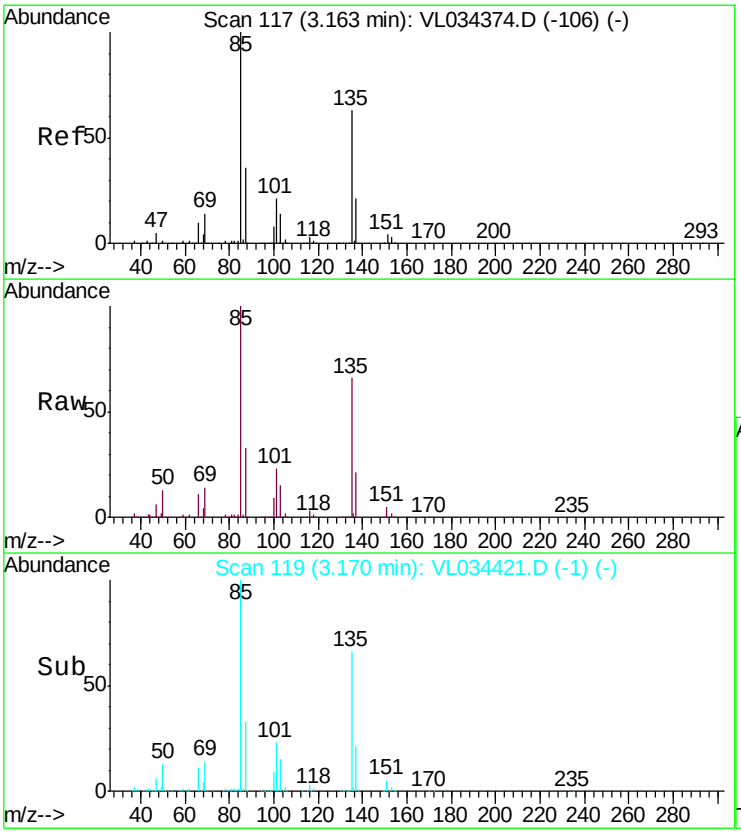
#7
Chloroethane
Concen: 10.274 ppbv
RT: 3.54 min Scan# 235
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 240425

Ion	Ratio	Lower	Upper
64	100		
66	30.9	26.0	39.0

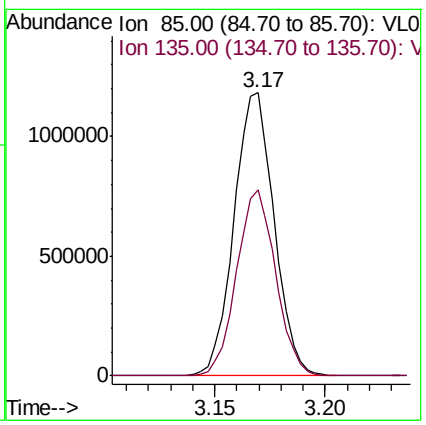


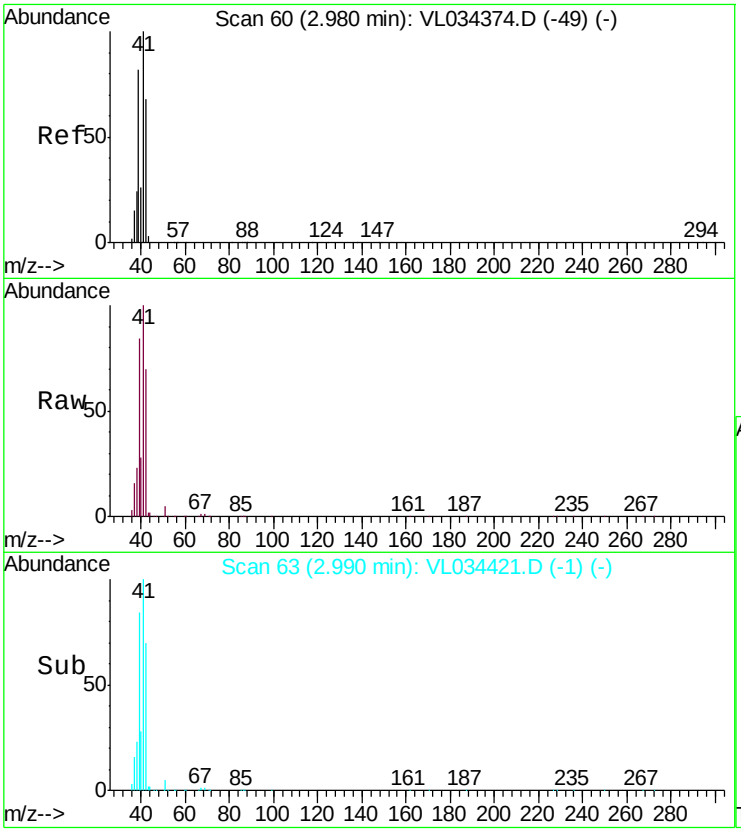


#8
Dichlorotetrafluoroethane
Concen: 9.818 ppbv
RT: 3.17 min Scan# 119
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 85 Resp: 1491424

Ion	Ratio	Lower	Upper
85	100		
135	64.3	51.1	76.7



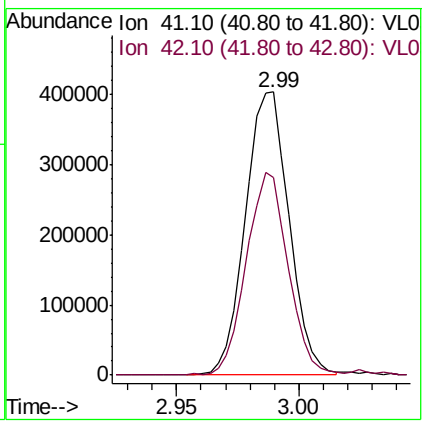


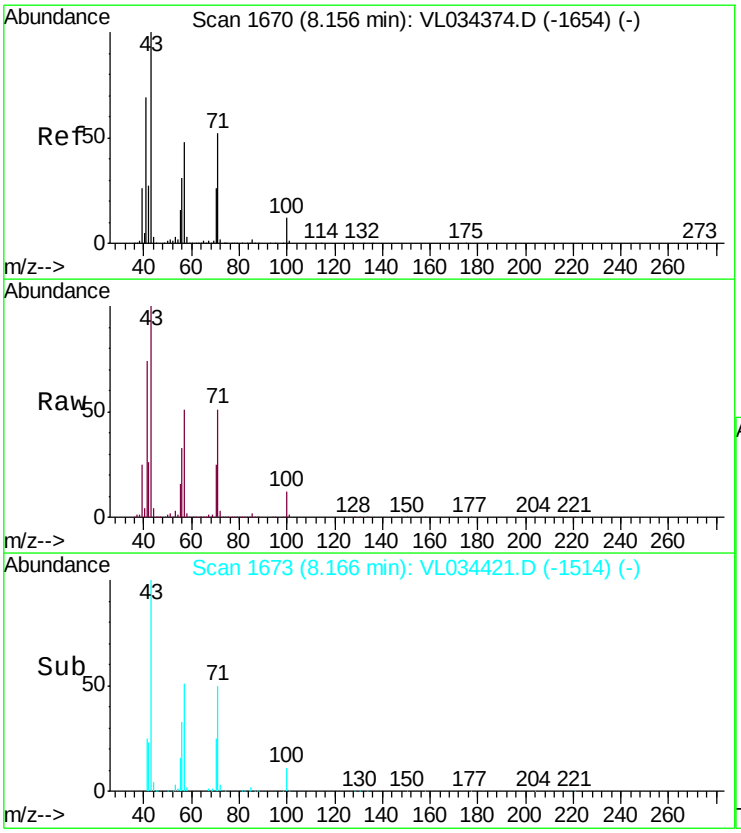
#9
Propene
Concen: 9.656 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 500121

Ion	Ratio	Lower	Upper
41	100		
42	69.8	54.6	82.0

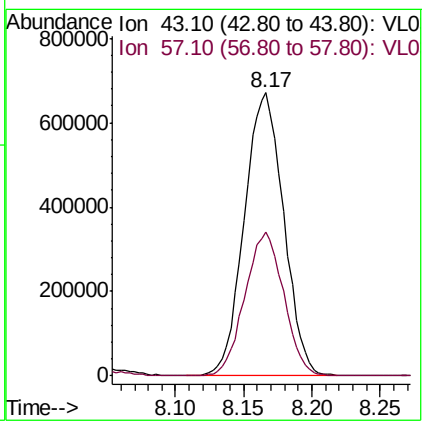


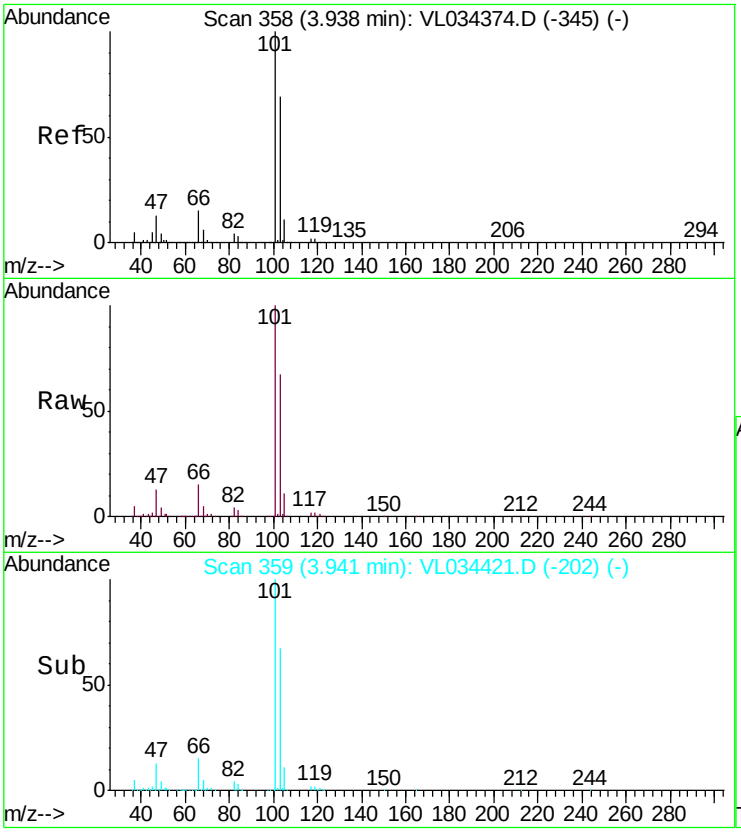


#10
Heptane
Concen: 10.019 ppbv
RT: 8.17 min Scan# 1673
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 43 Resp: 1339261

Ion	Ratio	Lower	Upper
43	100		
57	50.4	40.2	60.2



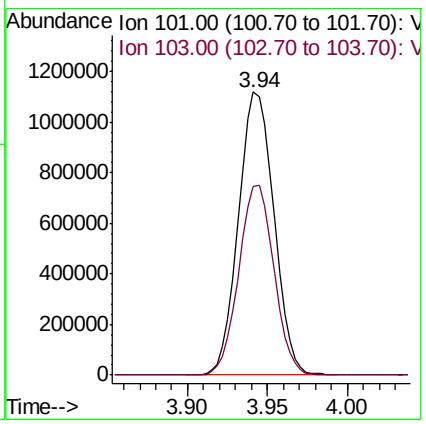


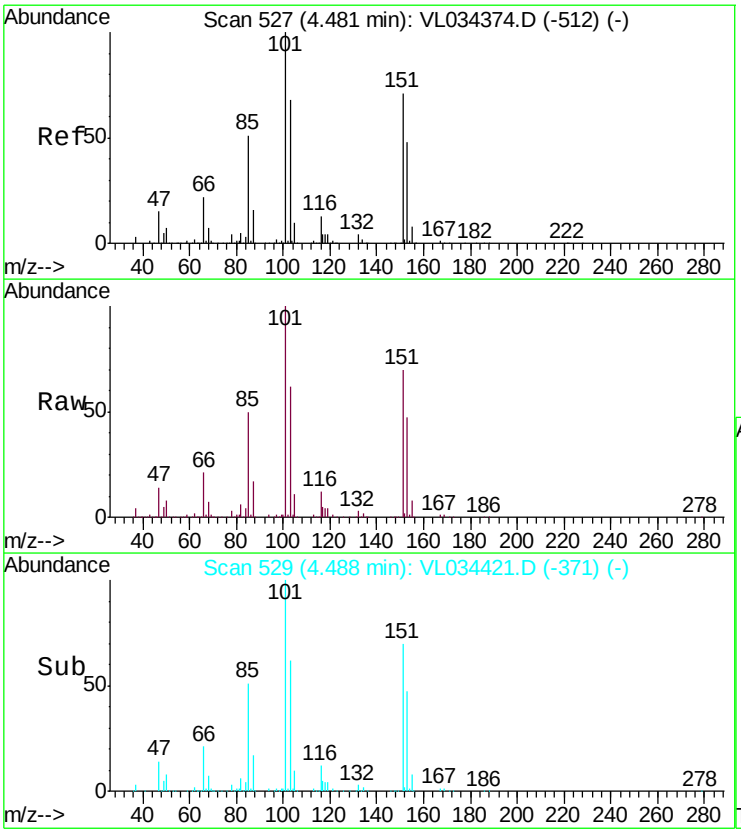
#11
Trichlorofluoromethane
Concen: 10.002 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1683864

Ion	Ratio	Lower	Upper
101	100		
103	66.7	55.4	83.0

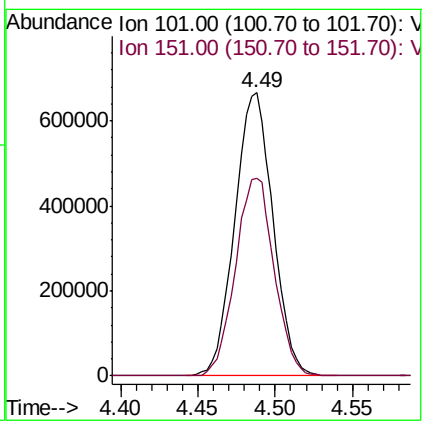


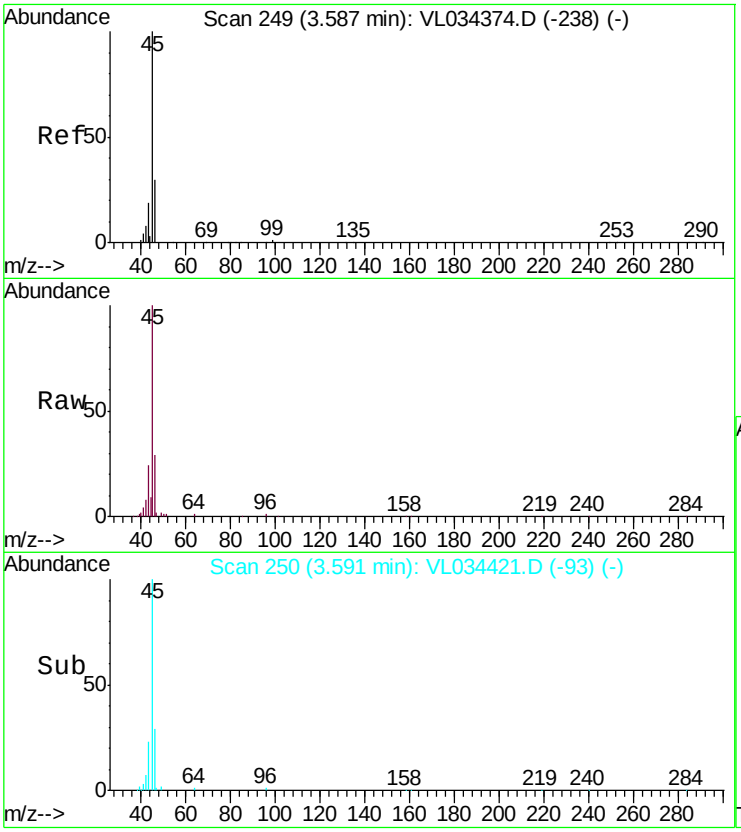


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.195 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:101 Resp: 1139861

Ion	Ratio	Lower	Upper
101	100		
151	70.9	57.4	86.2



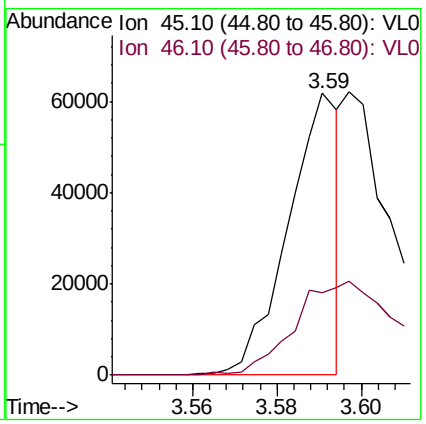


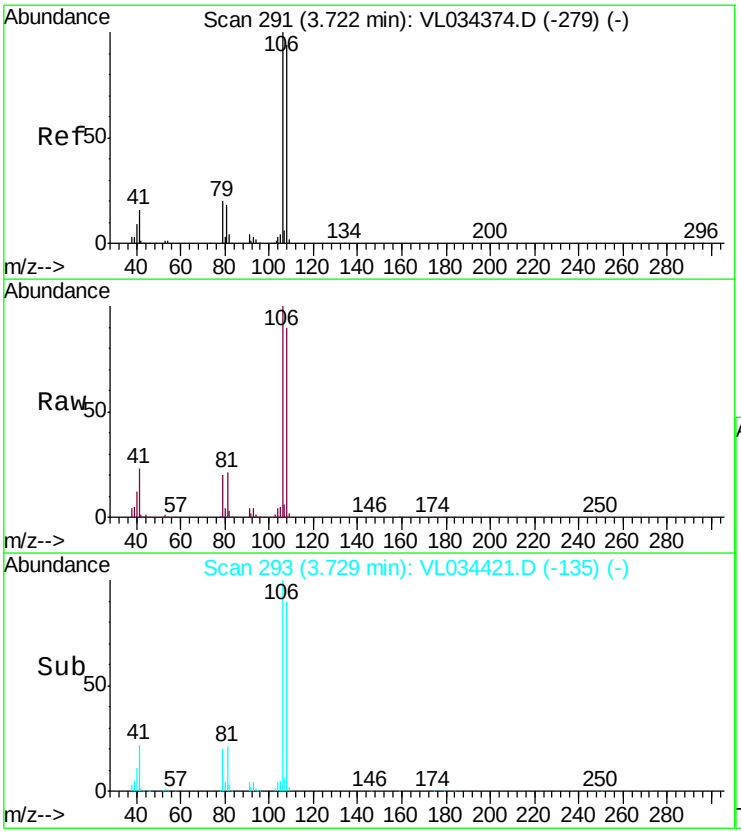
#13
Ethanol
Concen: 3.582 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 51686

Ion	Ratio	Lower	Upper
45	100		
46	0.0	13.8	55.4#

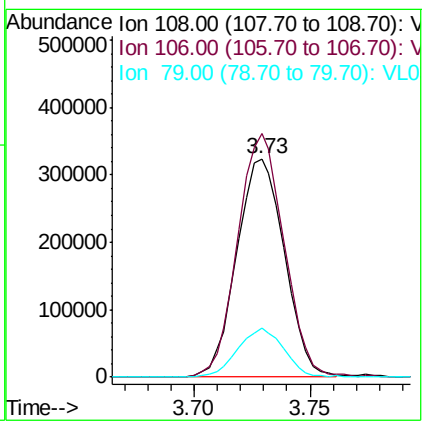


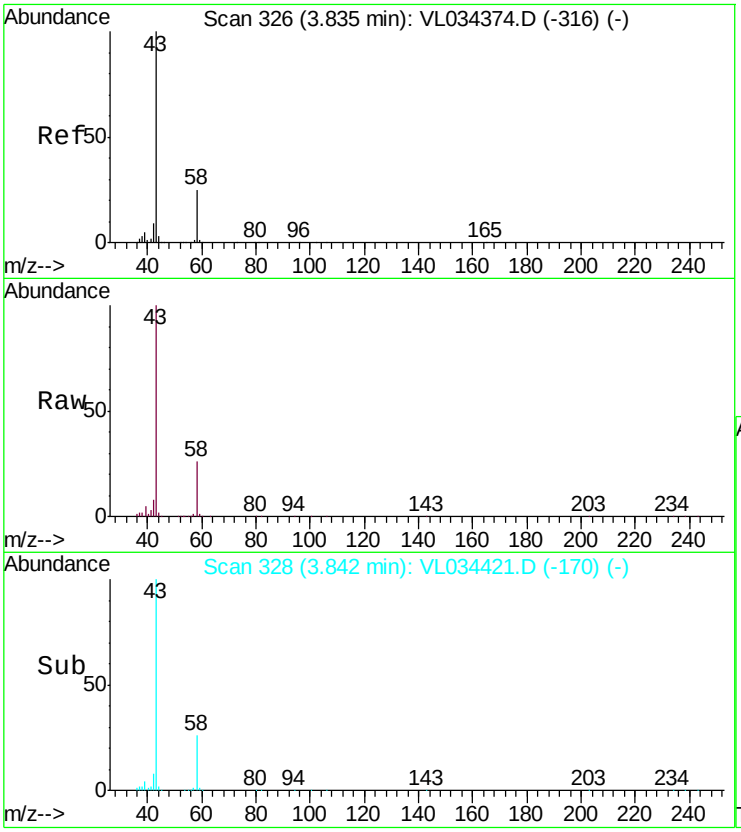


#14
Bromoethene
Concen: 10.208 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:108 Resp: 464076

Ion	Ratio	Lower	Upper
108	100		
106	109.1	85.7	128.5
79	21.7	17.2	25.8



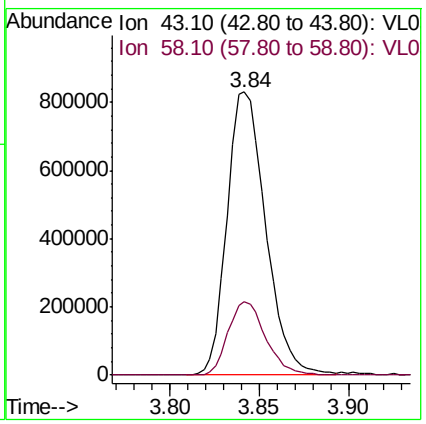


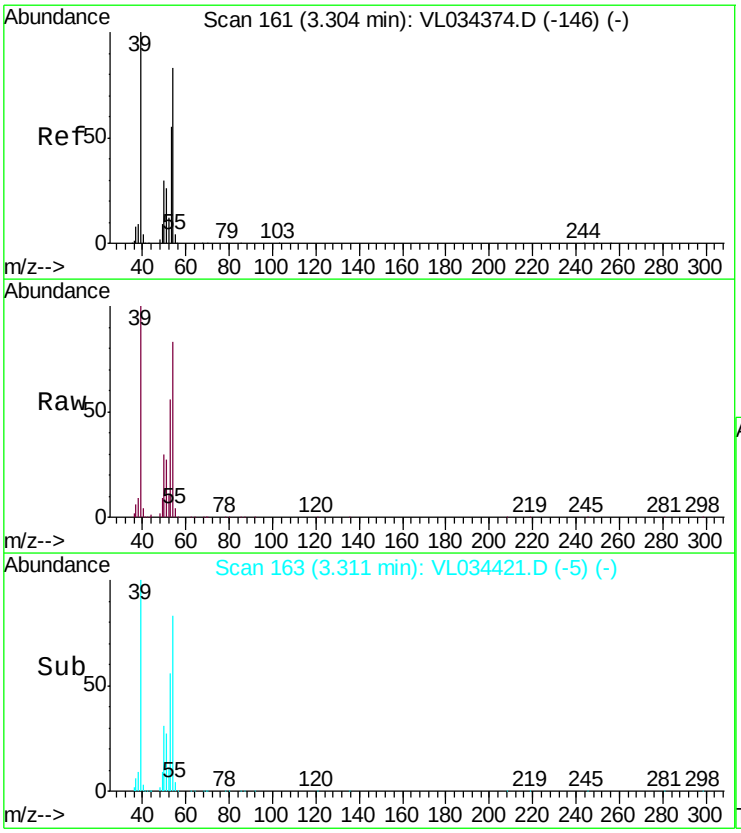
#15
Acetone
Concen: 9.313 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1247018

Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.2	30.4

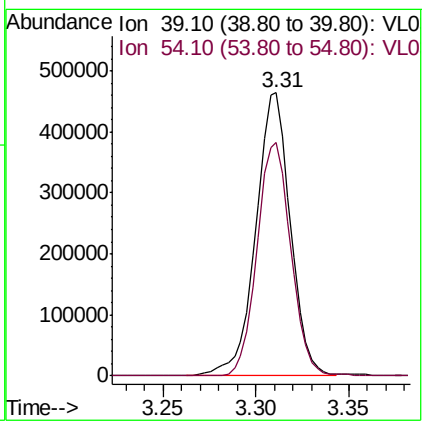


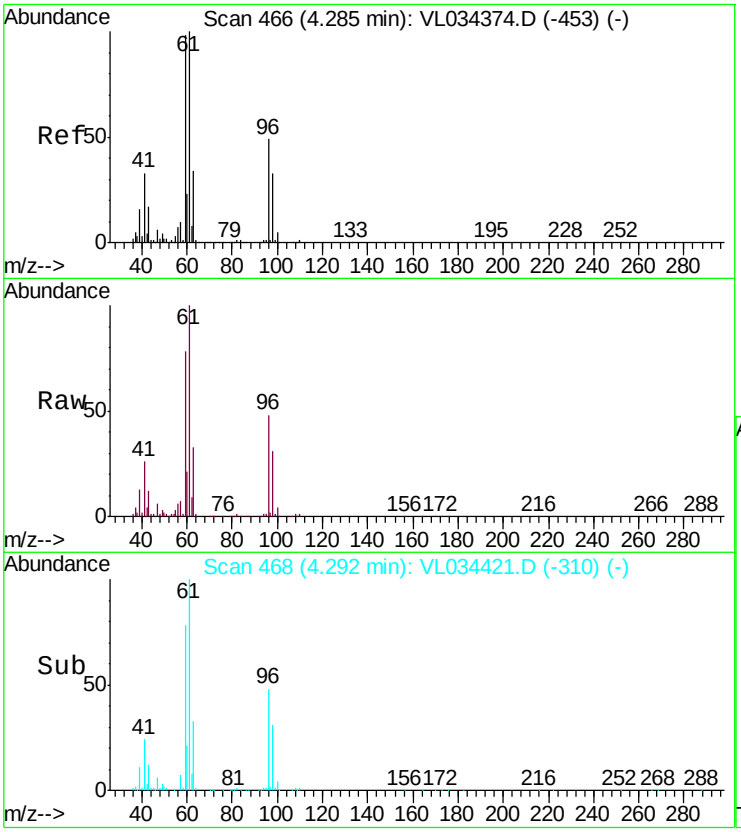


#16
1,3-Butadiene
Concen: 10.394 ppbv
RT: 3.31 min Scan# 163
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 39 Resp: 606251

Ion	Ratio	Lower	Upper
39	100		
54	80.7	64.7	97.1



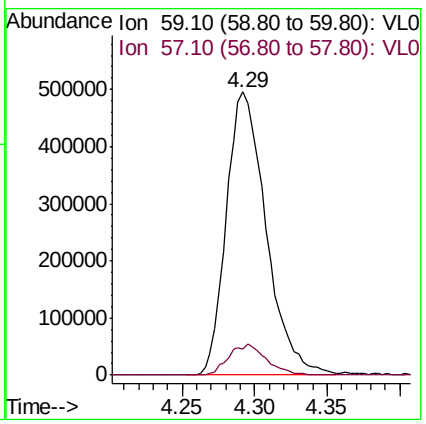


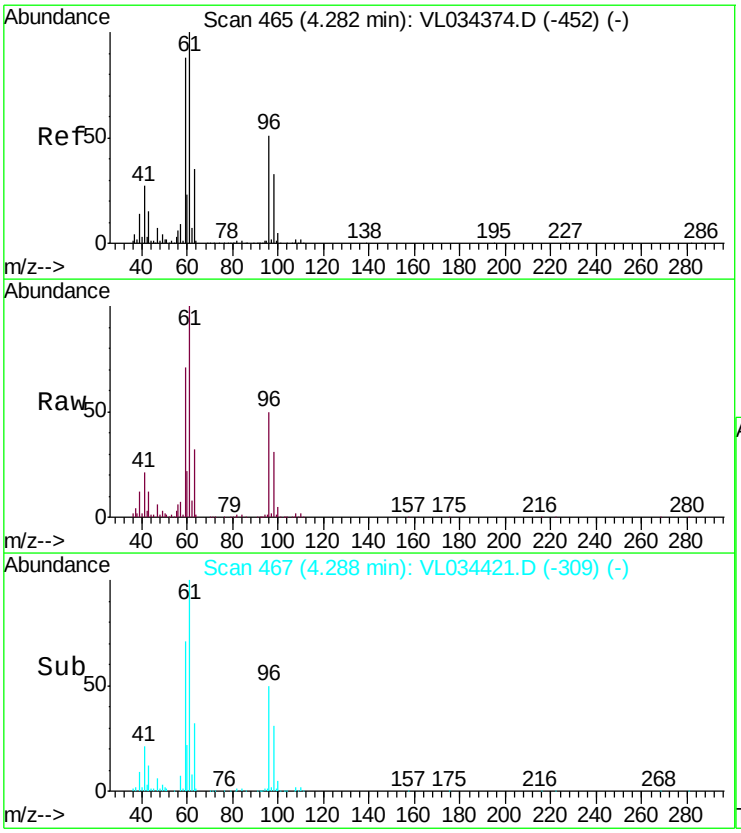
#17
tert-Butyl alcohol
Concen: 8.378 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 942984

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.8	13.2

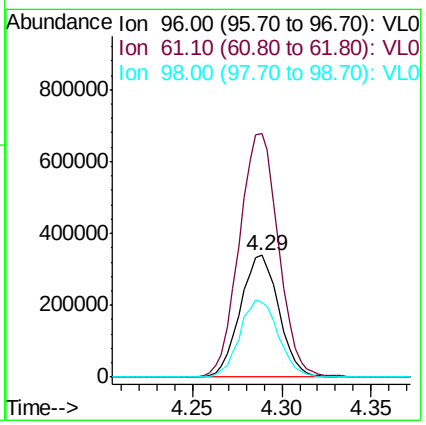


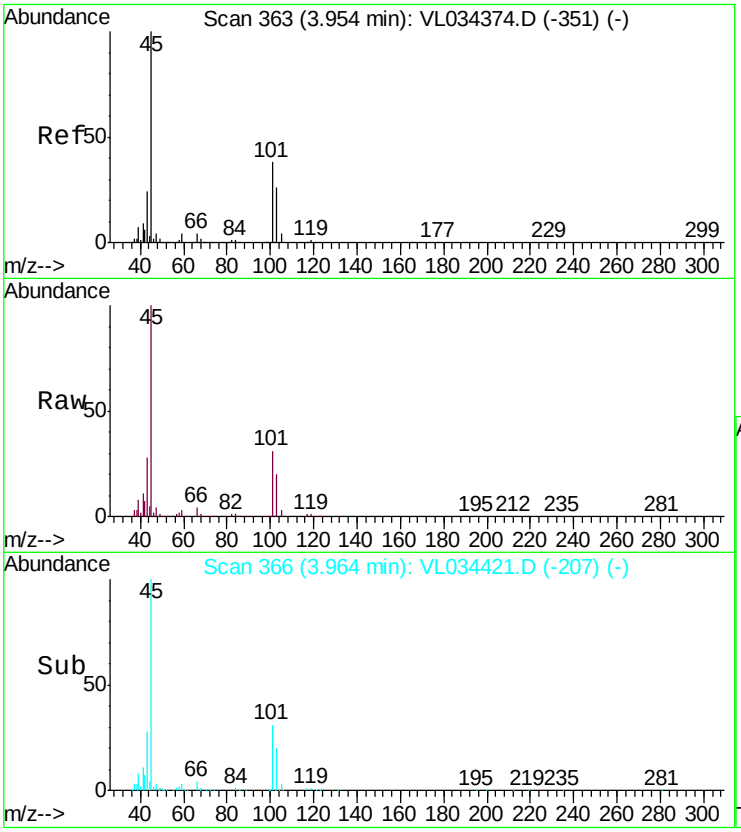


#18
1,1-Dichloroethene
Concen: 10.451 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 96 Resp: 511127

Ion	Ratio	Lower	Upper
96	100		
61	200.0	155.6	233.4
98	61.4	51.6	77.4



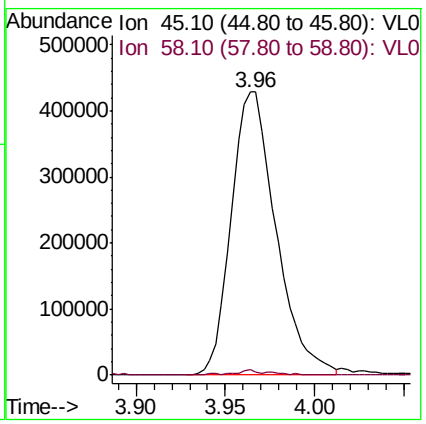


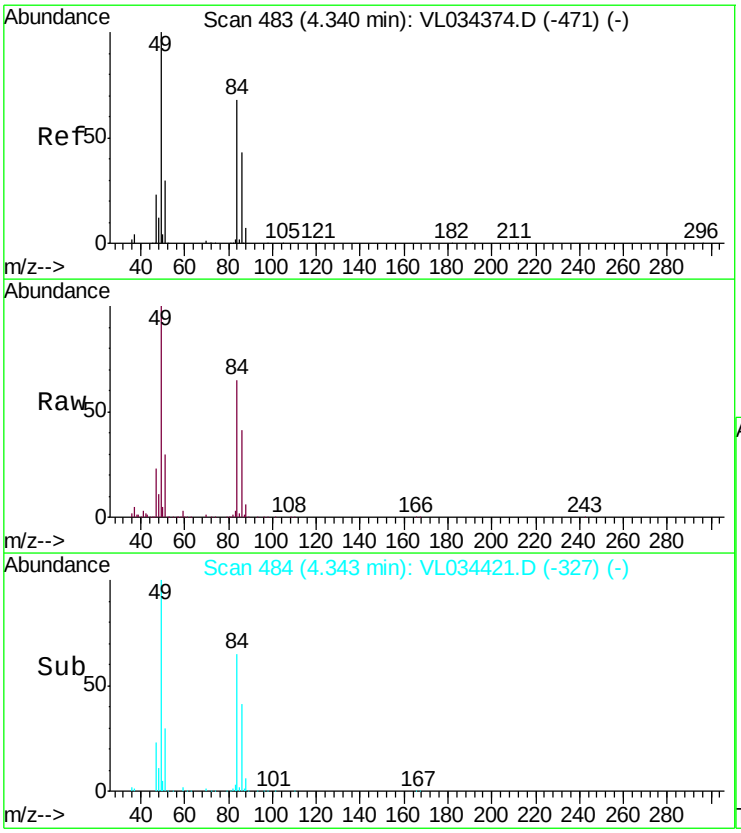
#19
Isopropyl Alcohol
Concen: 8.764 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 752140

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.3	1.9

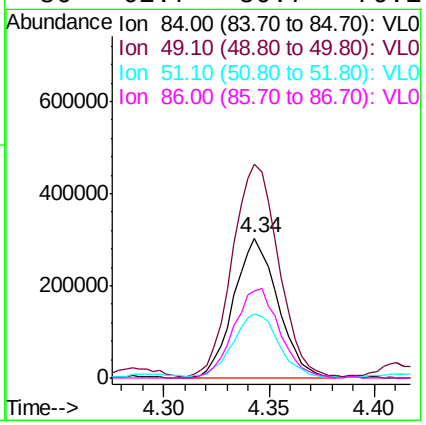


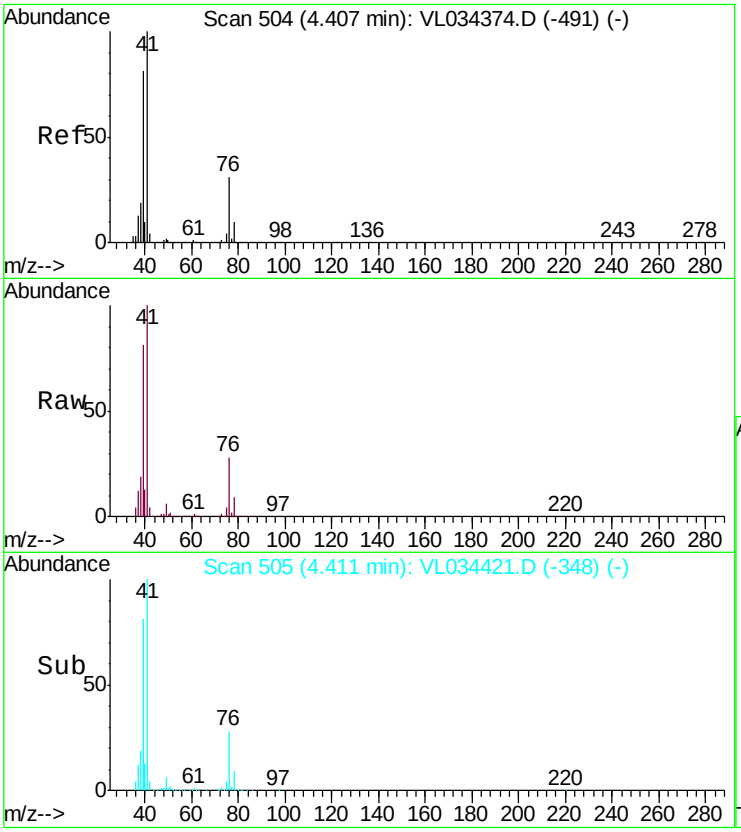


#20
Methylene Chloride
Concen: 9.265 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 84 Resp: 439908

Ion	Ratio	Lower	Upper
84	100		
49	152.5	116.8	175.2
51	45.4	35.6	53.4
86	62.7	50.7	76.1



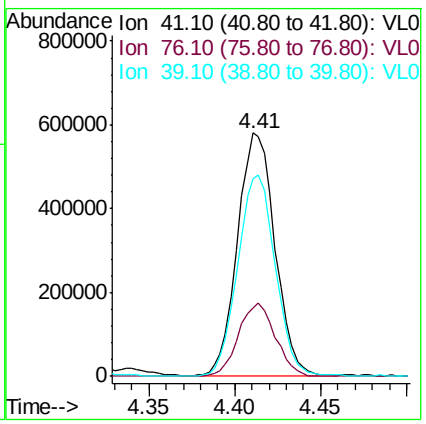


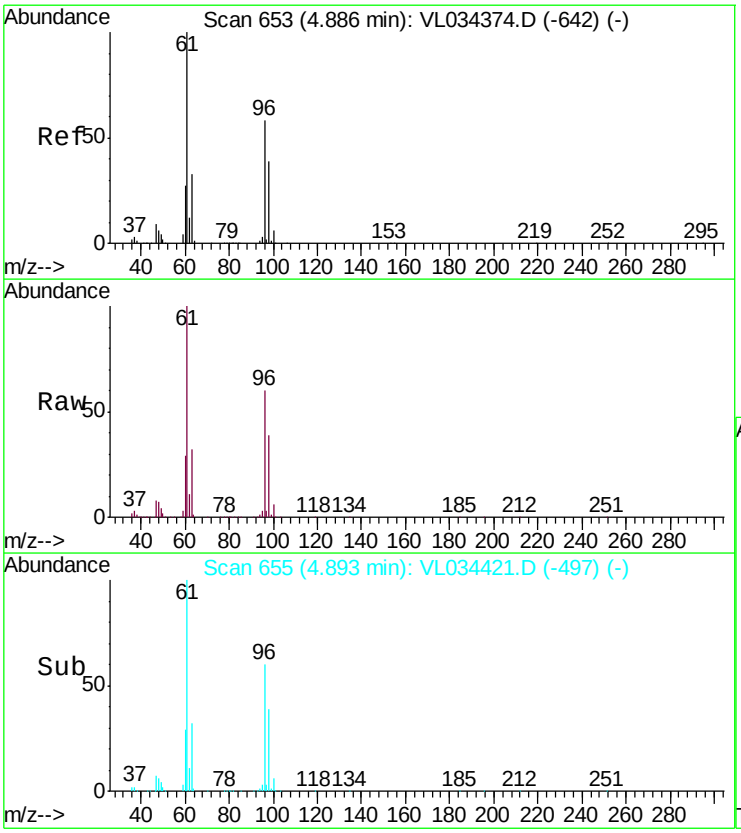
#21
Allyl Chloride
Concen: 10.913 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 875594

Ion	Ratio	Lower	Upper
41	100		
76	29.7	24.2	36.2
39	83.4	66.9	100.3

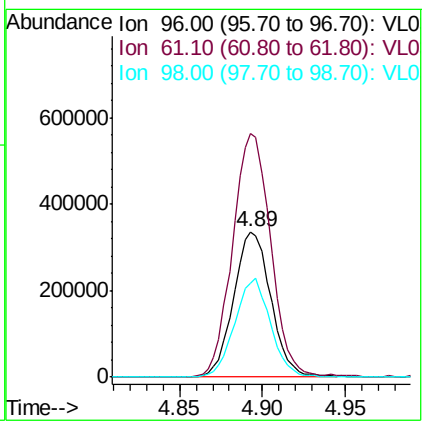


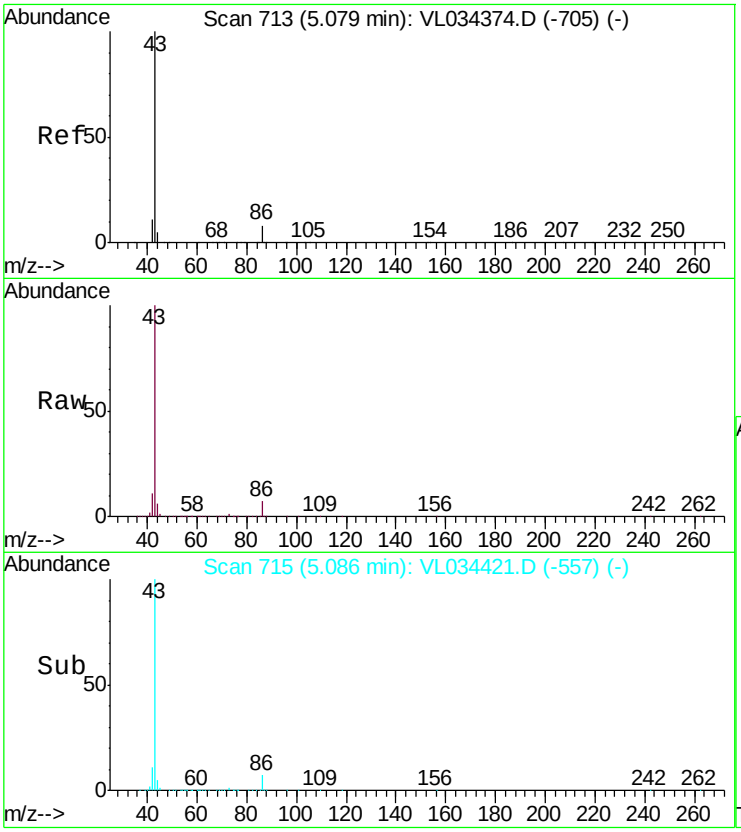


#22
trans-1,2-Dichloroethene
Concen: 10.642 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 96 Resp: 524637

Ion	Ratio	Lower	Upper
96	100		
61	167.8	137.9	206.9
98	64.7	53.5	80.3



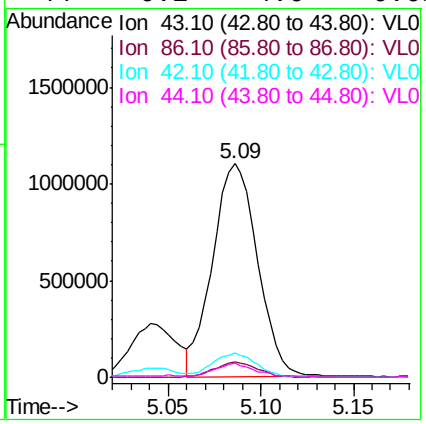


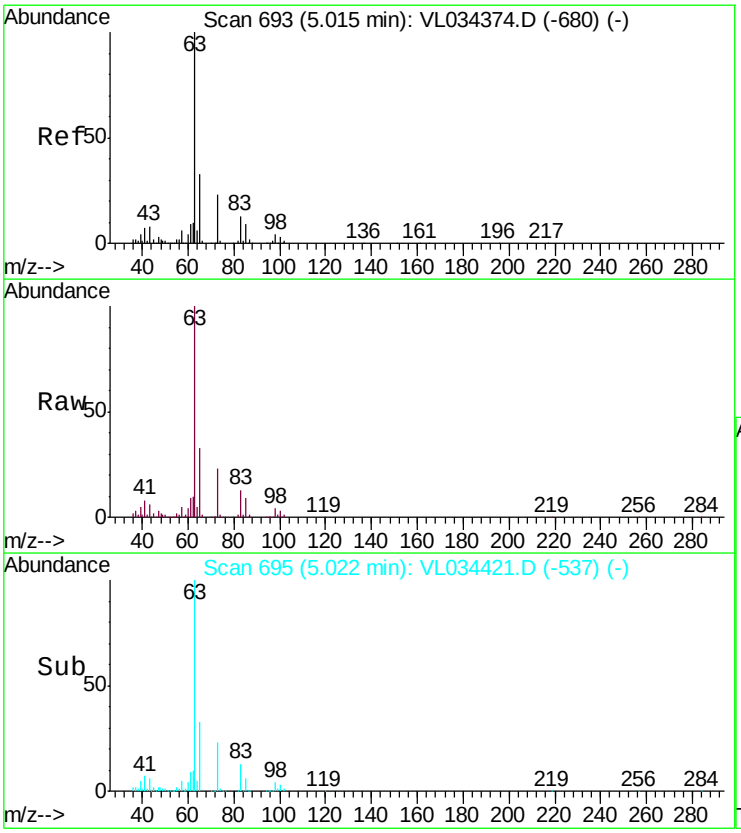
#23
Vinyl Acetate
Concen: 10.563 ppbv
RT: 5.09 min Scan# 715
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1847677

Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.8	8.6
42	11.2	8.9	13.3
44	6.2	4.0	6.0#

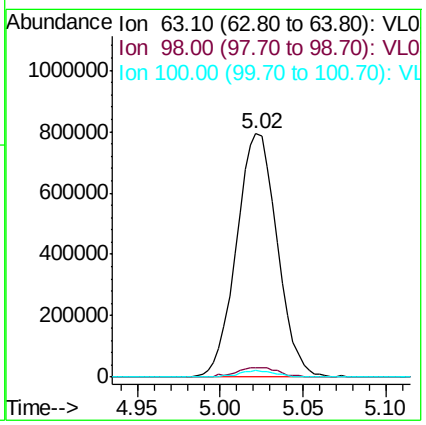


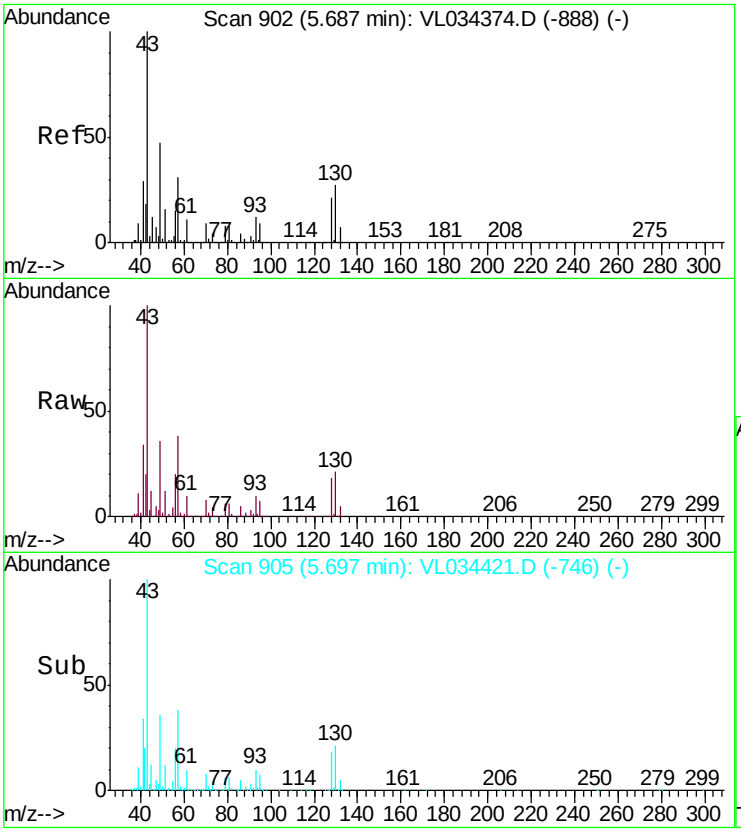


#24
1,1-Dichloroethane
Concen: 10.096 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 63 Resp: 1356489

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



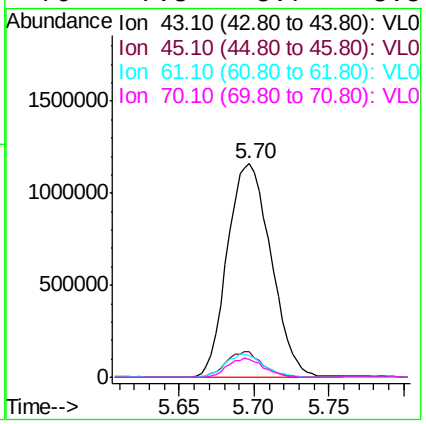


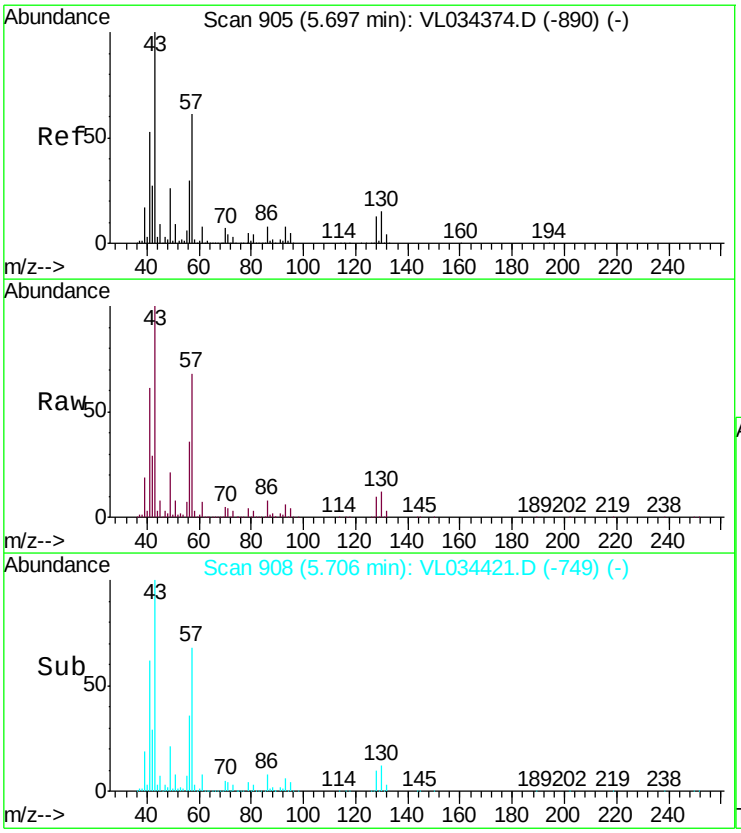
#25
Ethyl Acetate
Concen: 9.843 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2351884

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.7	7.5	11.3
70	7.3	5.7	8.5

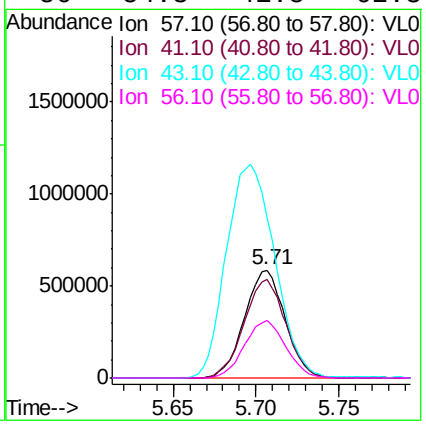


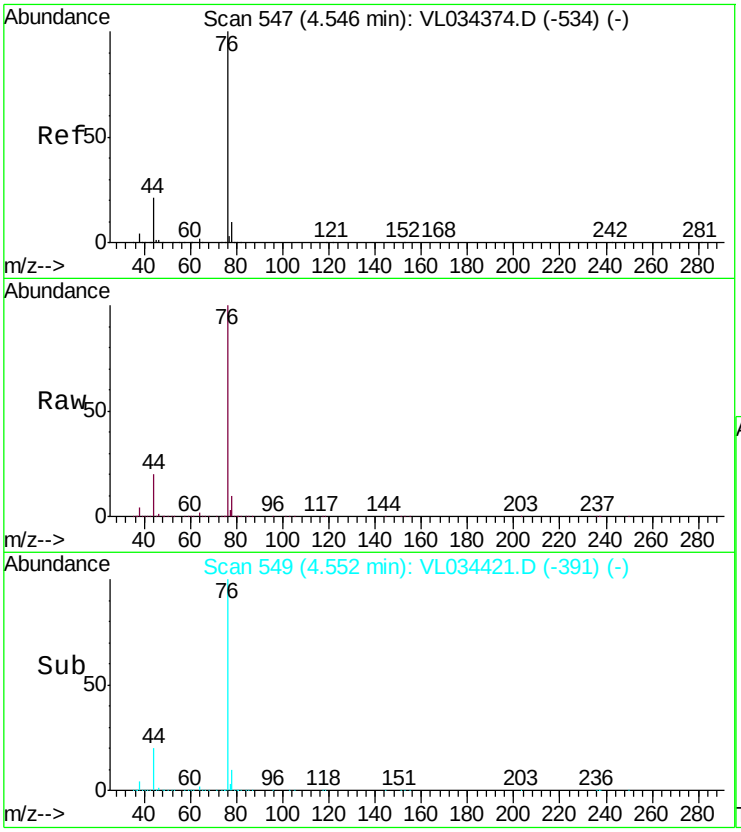


#26
Hexane
Concen: 9.724 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 57 Resp: 998381

Ion	Ratio	Lower	Upper
57	100		
41	95.0	75.0	112.4
43	237.2	186.6	279.8
56	54.3	41.5	62.3



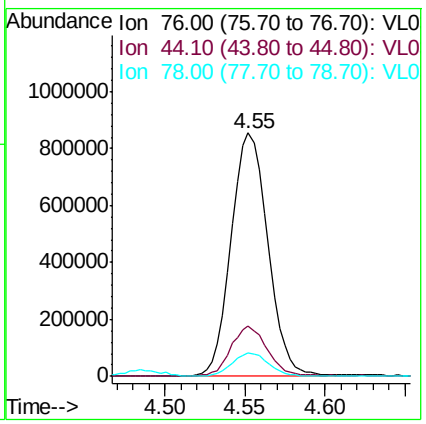


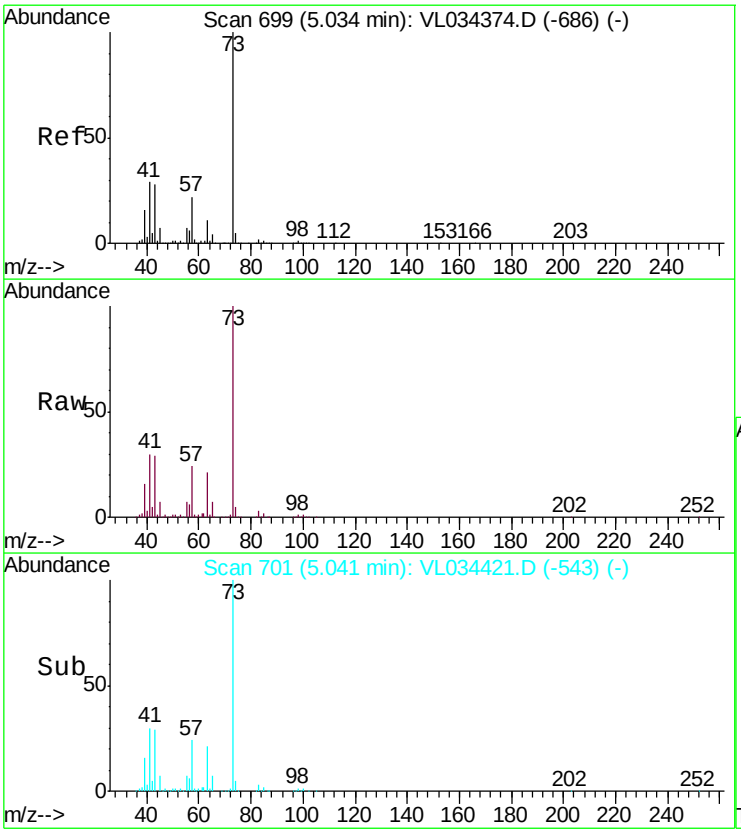
#27
Carbon Disulfide
Concen: 11.968 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1338360

Ion	Ratio	Lower	Upper
76	100		
44	20.0	17.0	25.4
78	9.3	7.6	11.4

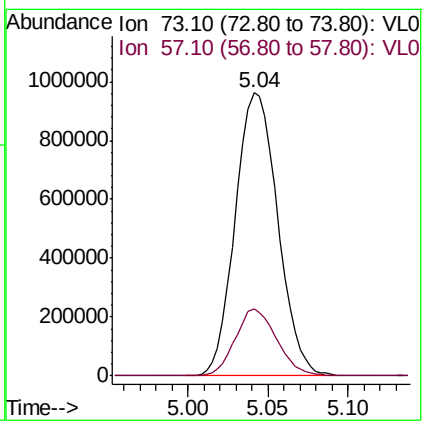


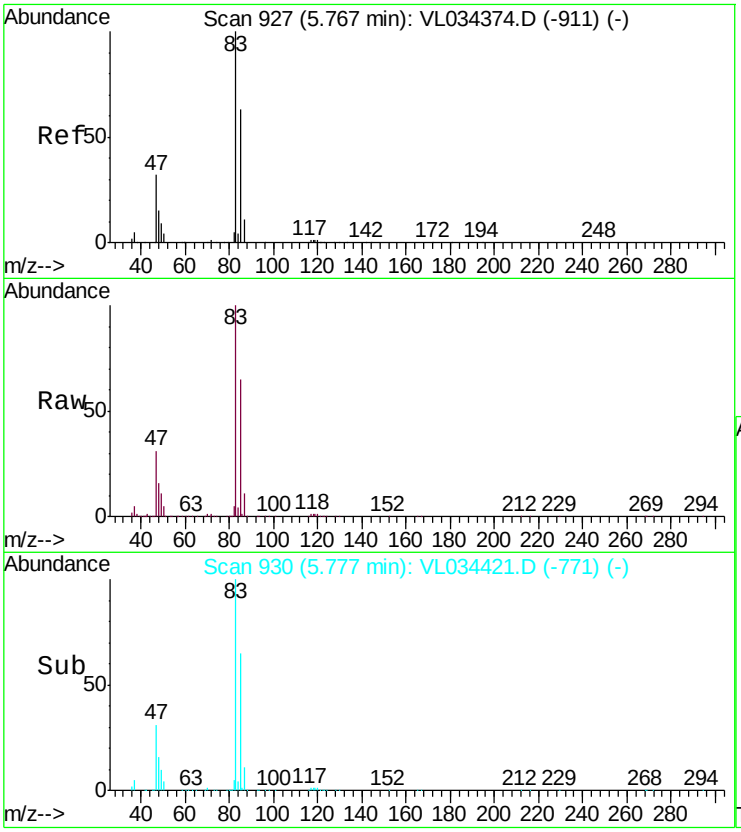


#28
Methyl tert-Butyl Ether
Concen: 10.254 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 73 Resp: 1745770

Ion	Ratio	Lower	Upper
73	100		
57	23.2	18.4	27.6



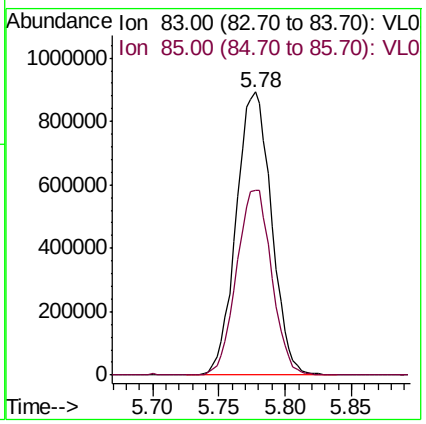


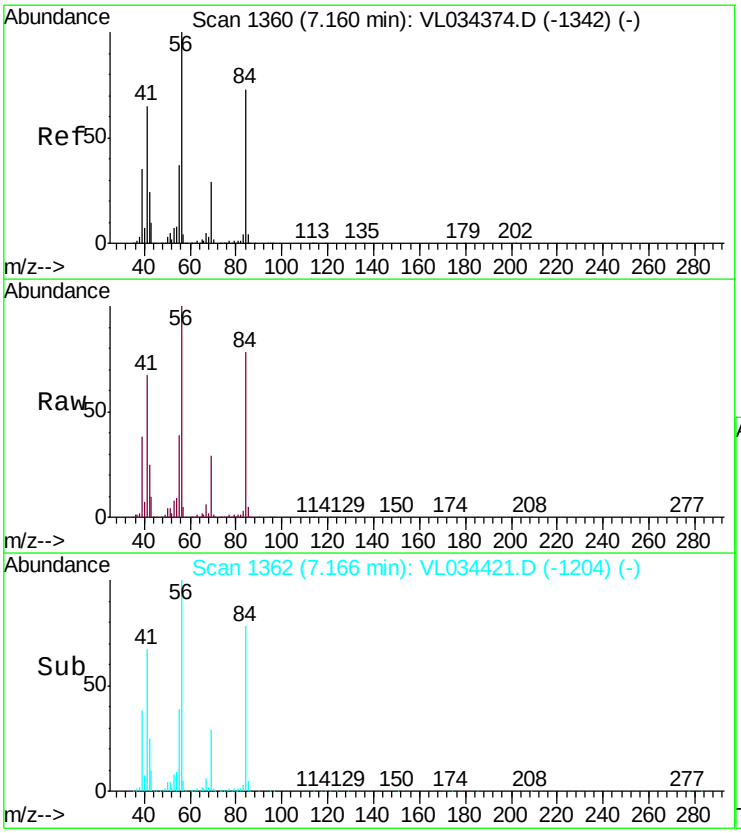
#29
Chloroform
Concen: 9.945 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1653578

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.4	75.6

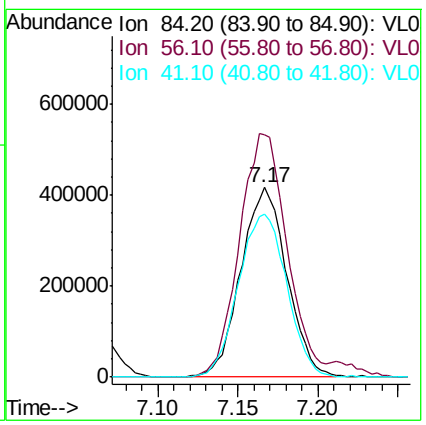


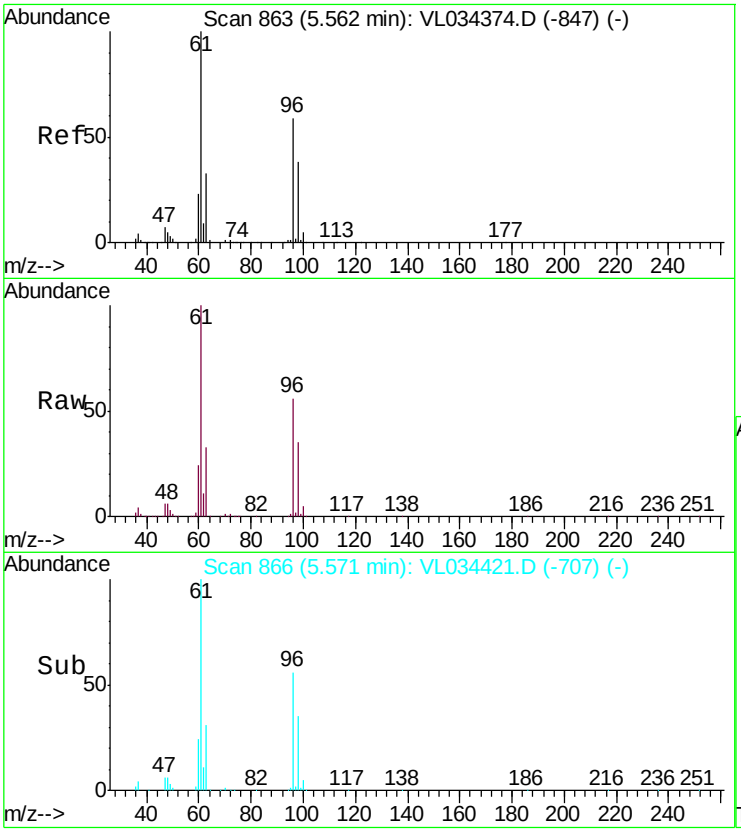


#30
Cyclohexane
Concen: 10.554 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 84 Resp: 819221

Ion	Ratio	Lower	Upper
84	100		
56	138.6	112.6	169.0
41	90.5	73.4	110.2



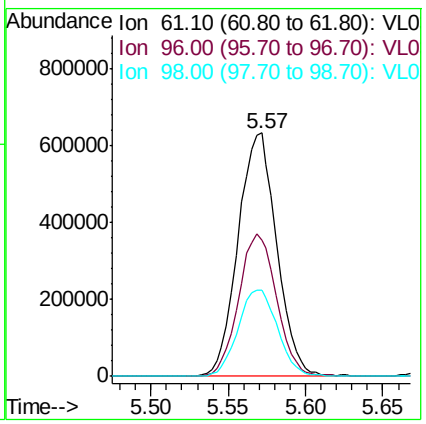


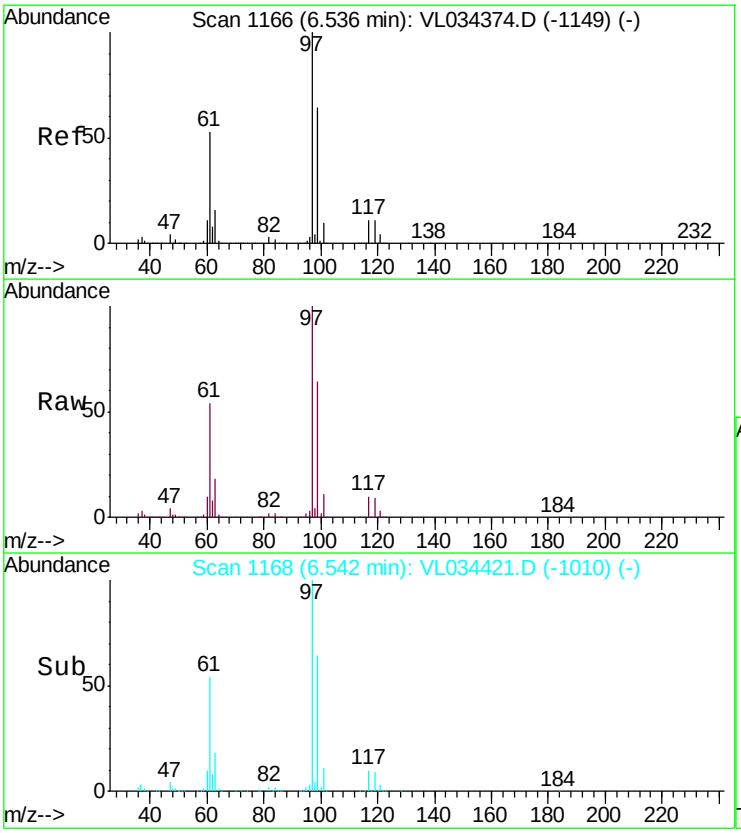
#31
cis-1,2-Dichloroethene
Concen: 10.327 ppbv
RT: 5.57 min Scan# 866
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1095651

Ion	Ratio	Lower	Upper
61	100		
96	56.0	47.4	71.2
98	35.3	30.6	45.8

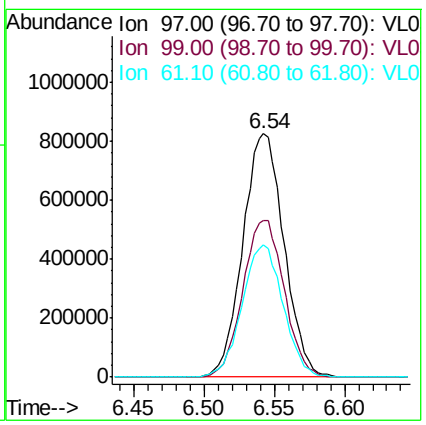


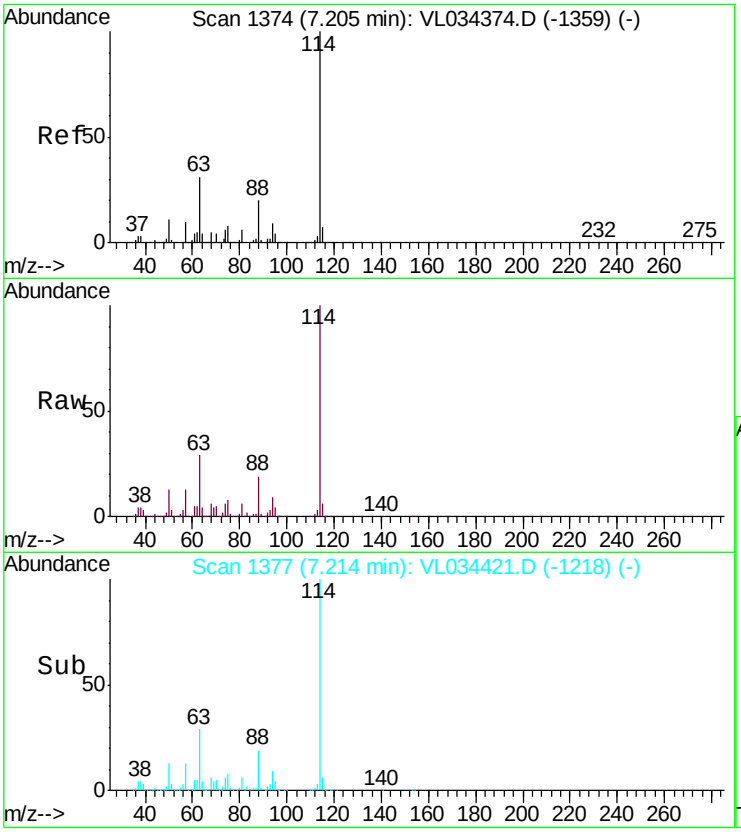


#32
1,1,1-Trichloroethane
Concen: 10.819 ppbv
RT: 6.54 min Scan# 1168
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 97 Resp: 1686563

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	54.1	43.7	65.5



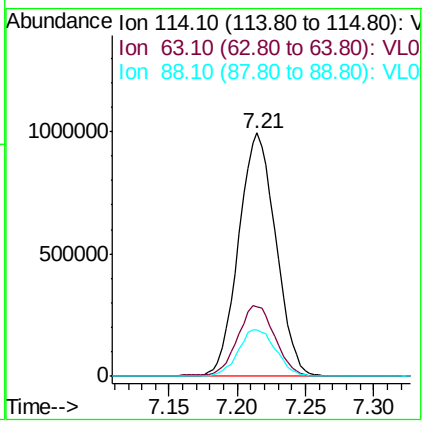


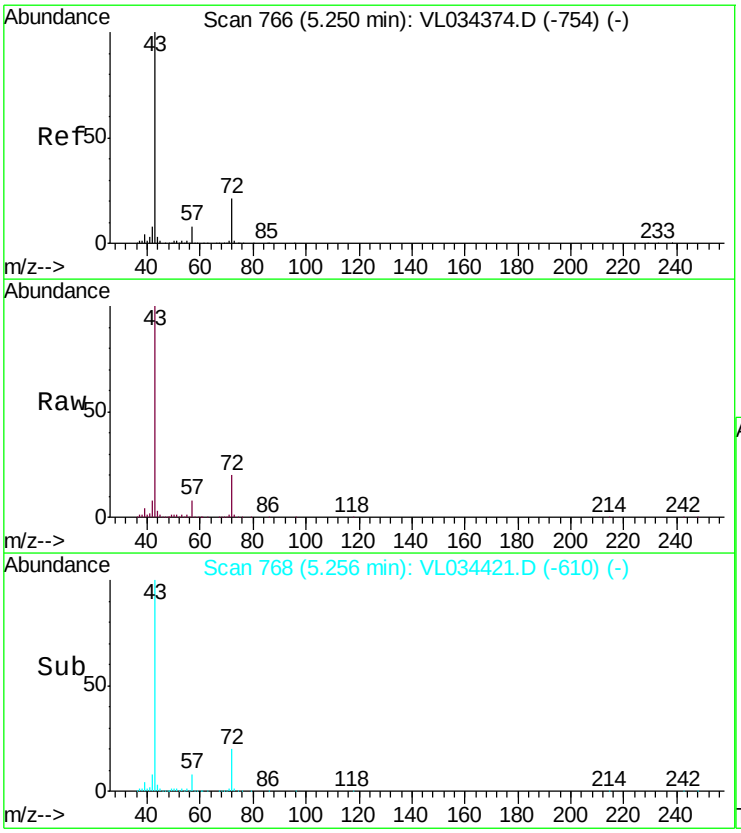
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 1882343

Ion	Ratio	Lower	Upper
114	100		
63	29.8	24.2	36.4
88	19.5	15.9	23.9

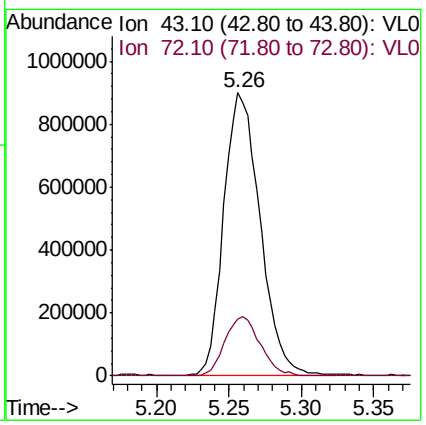


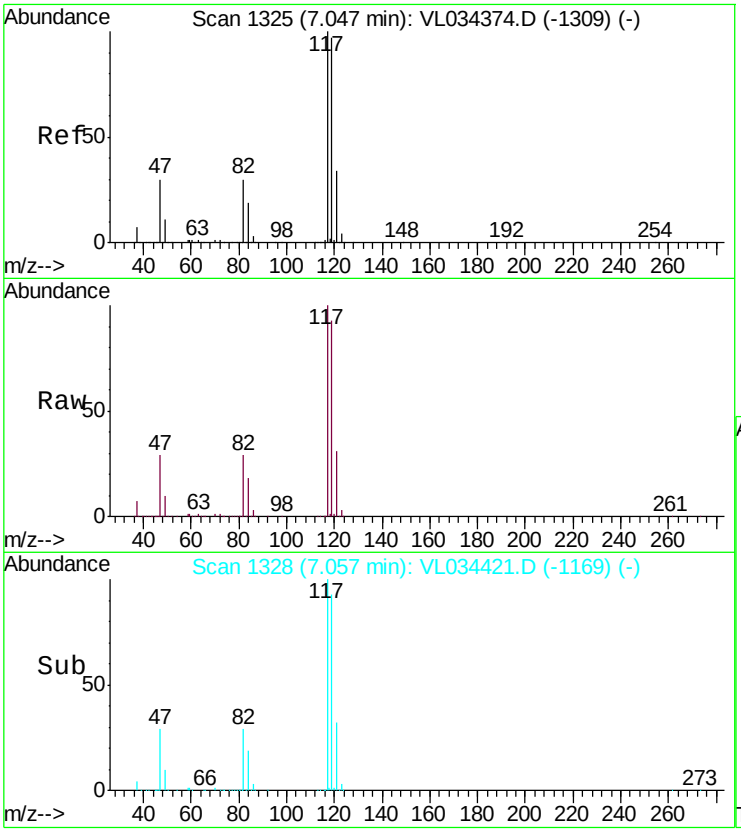


#34
2-Butanone
Concen: 10.104 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 43 Resp: 1565553

Ion	Ratio	Lower	Upper
43	100		
72	20.7	17.0	25.6



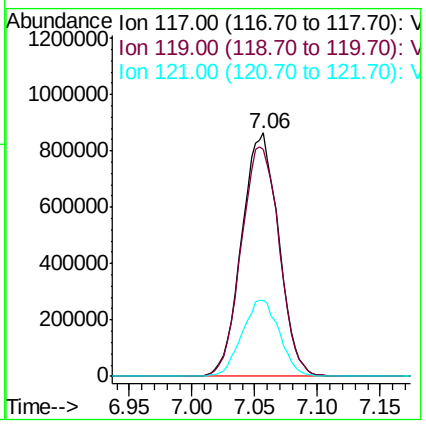


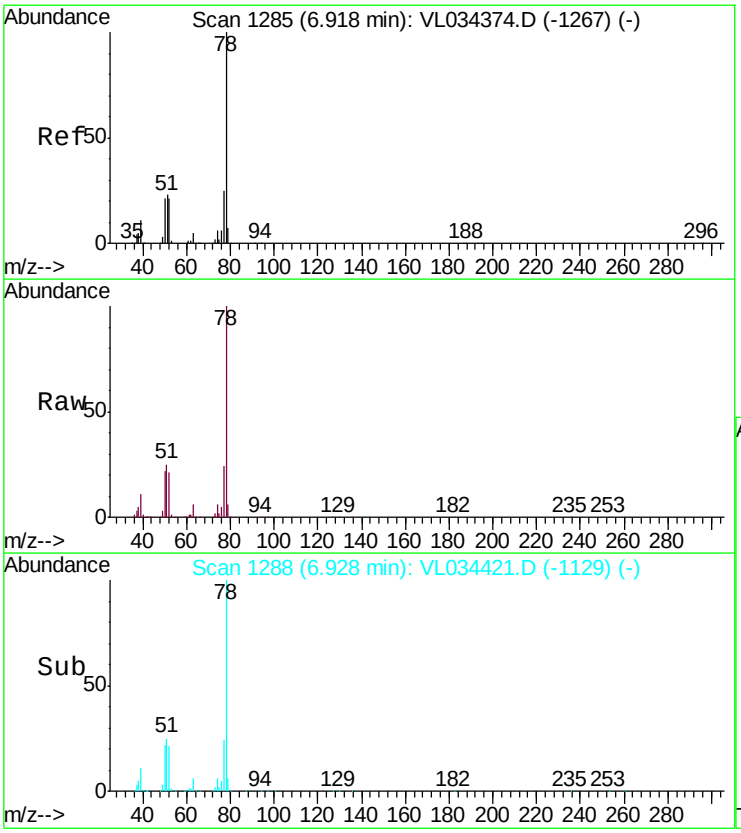
#35
Carbon Tetrachloride
Concen: 10.962 ppbv
RT: 7.06 min Scan# 1328
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 1774094

Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.3	115.9
121	31.4	27.4	41.2

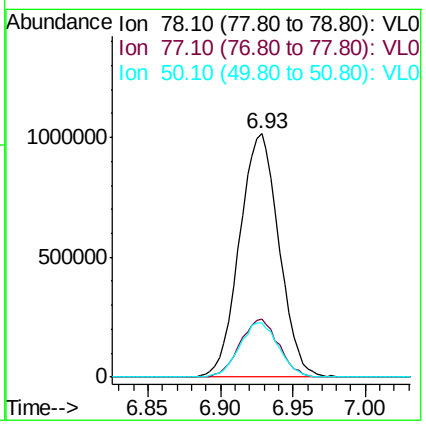


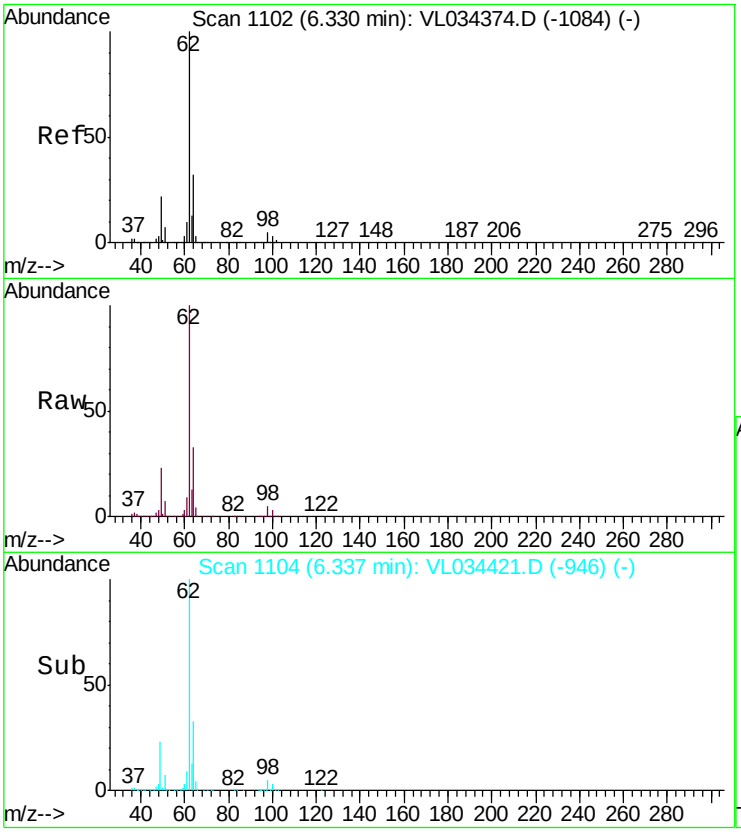


#36
Benzene
Concen: 10.215 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 78 Resp: 1922209

Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.2	30.4
50	22.2	17.1	25.7



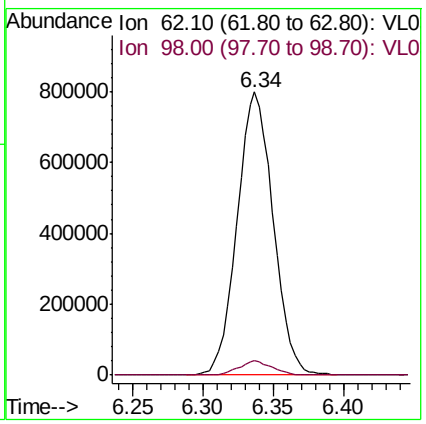


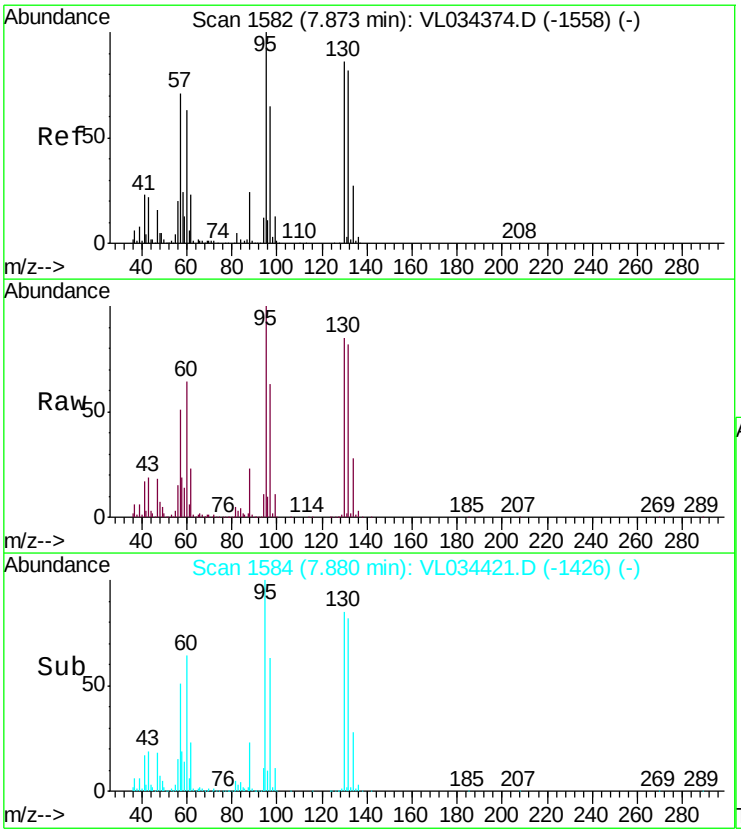
#37
1,2-Dichloroethane
Concen: 10.215 ppbv
RT: 6.34 min Scan# 1104
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 1427940

Ion	Ratio	Lower	Upper
62	100		
98	4.8	3.8	5.8

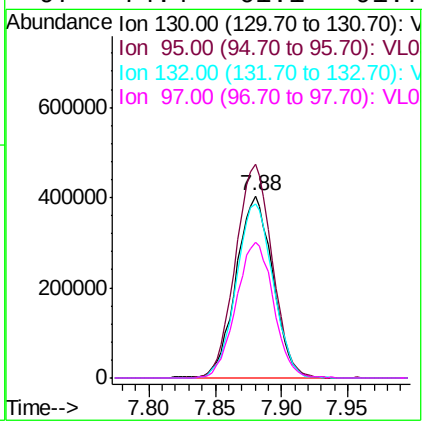


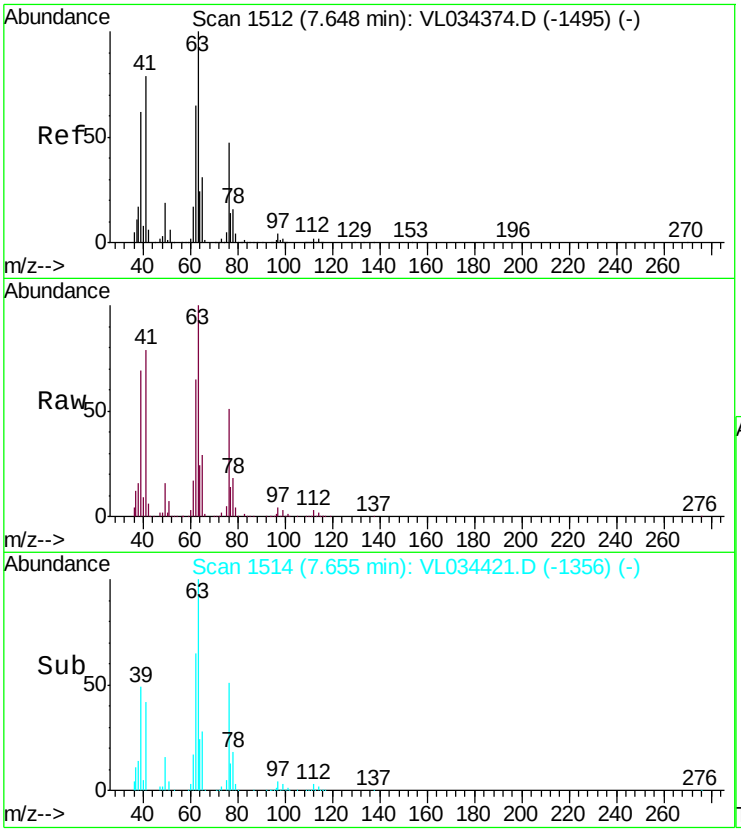


#38
Trichloroethene
Concen: 10.039 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:130 Resp: 775227

Ion	Ratio	Lower	Upper
130	100		
95	117.1	93.4	140.0
132	95.6	76.4	114.6
97	74.4	61.1	91.7



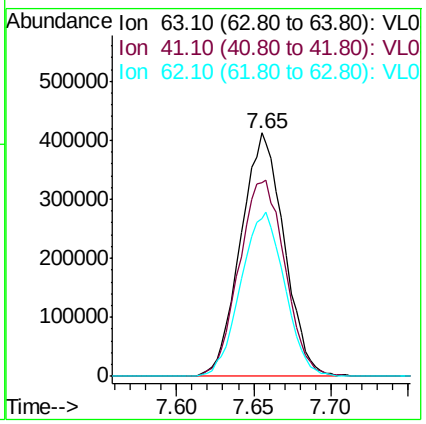


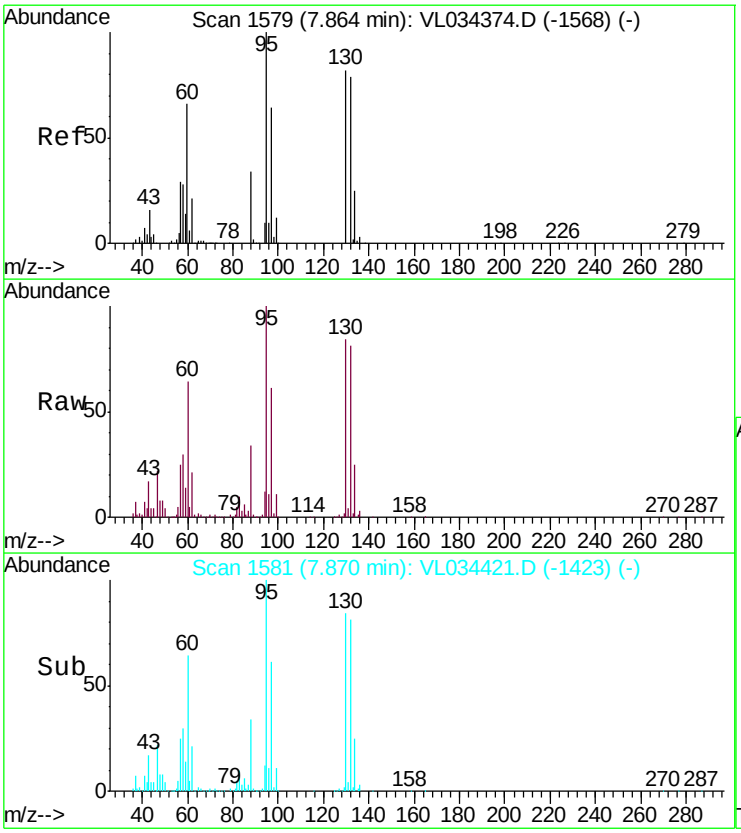
#39
1,2-Dichloropropane
Concen: 11.121 ppbv
RT: 7.65 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 806150

Ion	Ratio	Lower	Upper
63	100		
41	79.3	63.1	94.7
62	64.8	52.3	78.5

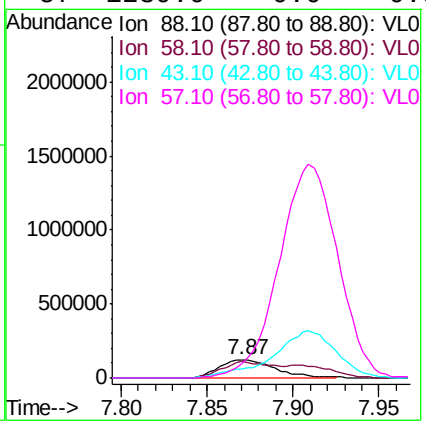


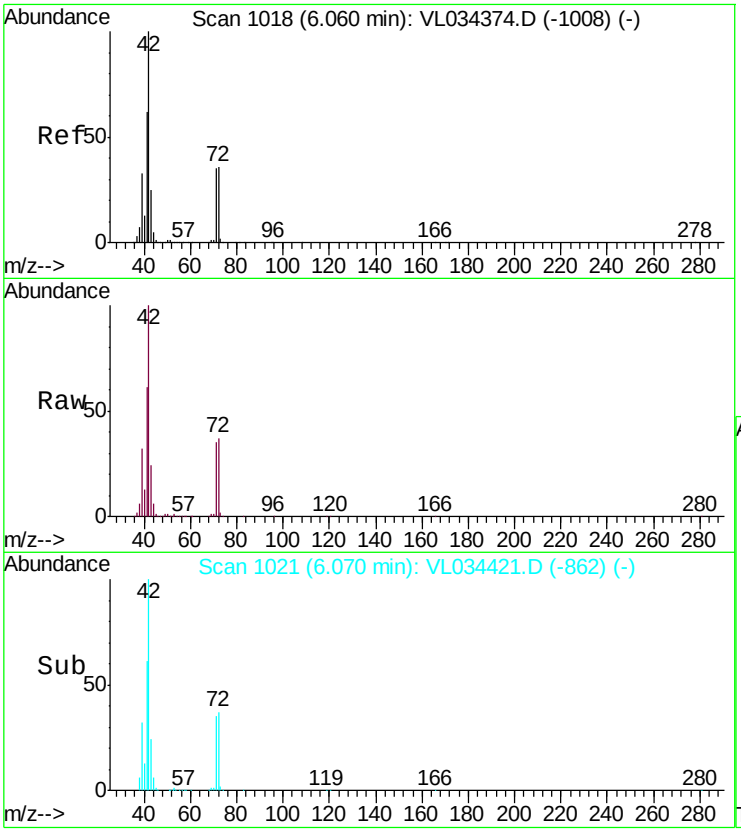


#40
1,4-Dioxane
Concen: 8.785 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 88 Resp: 278203

Ion	Ratio	Lower	Upper
88	100		
58	140.6	109.5	164.3
43	296.1	0.0	0.0#
57	1239.0	0.0	0.0#



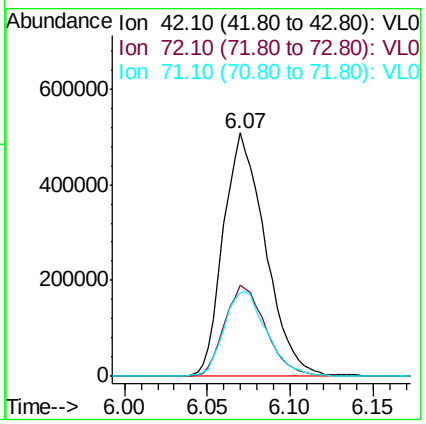


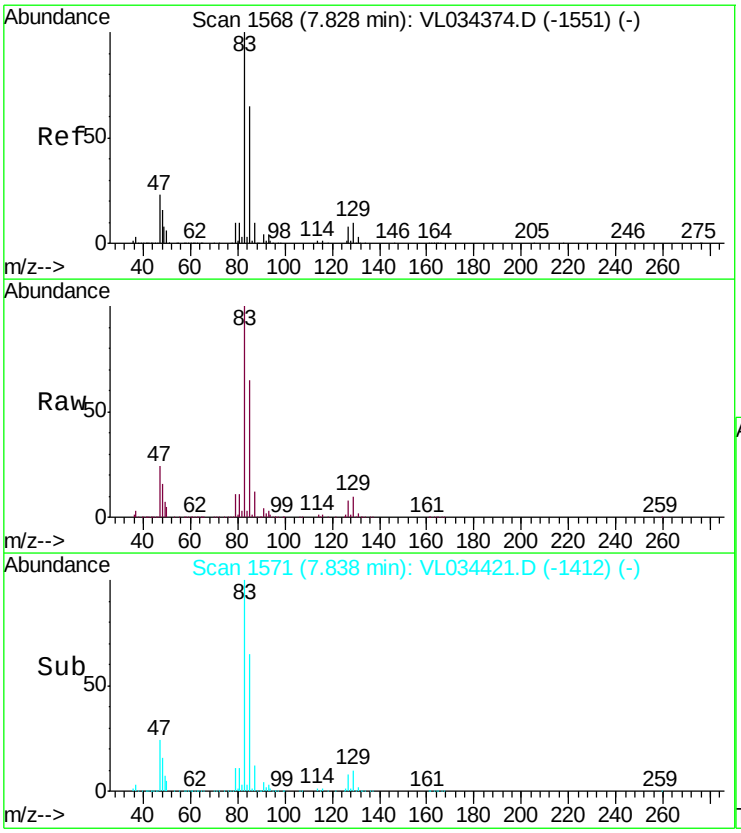
#41
Tetrahydrofuran
Concen: 10.312 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 896137

Ion	Ratio	Lower	Upper
42	100		
72	36.9	30.2	45.4
71	35.7	29.4	44.2

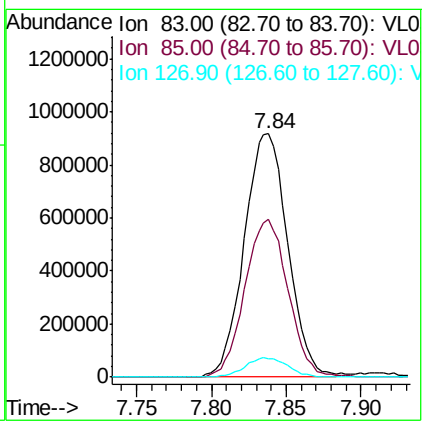


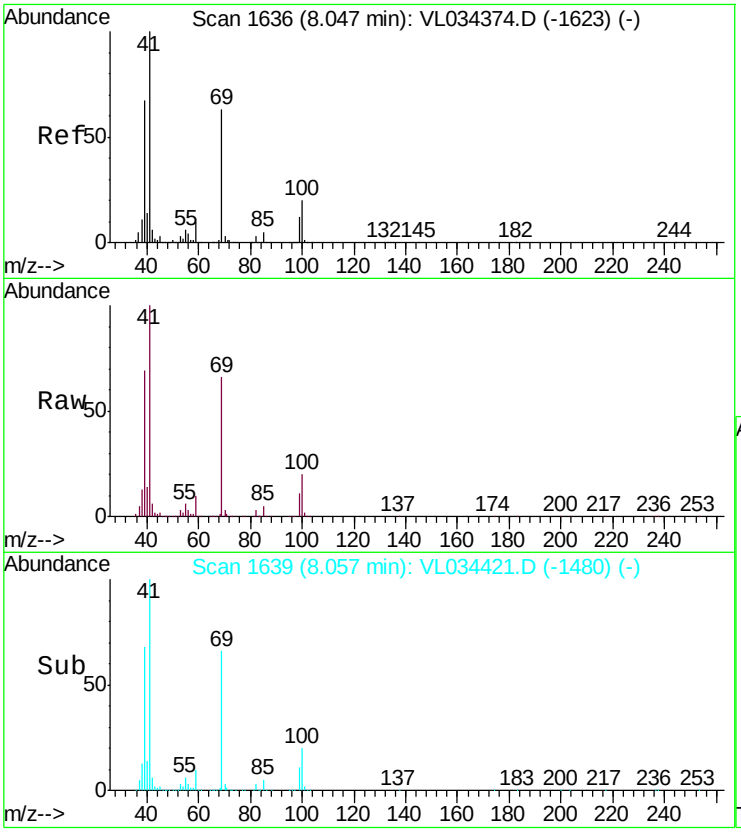


#42
Bromodichloromethane
Concen: 10.619 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 83 Resp: 1856476

Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.3	78.5
127	7.7	6.1	9.1



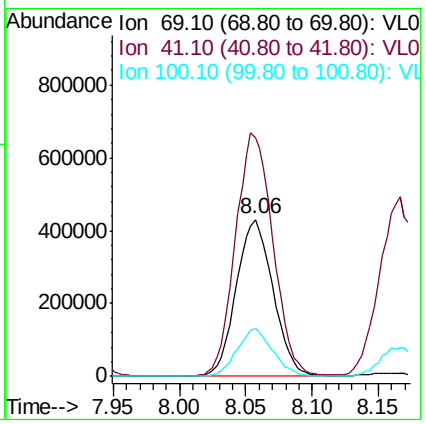


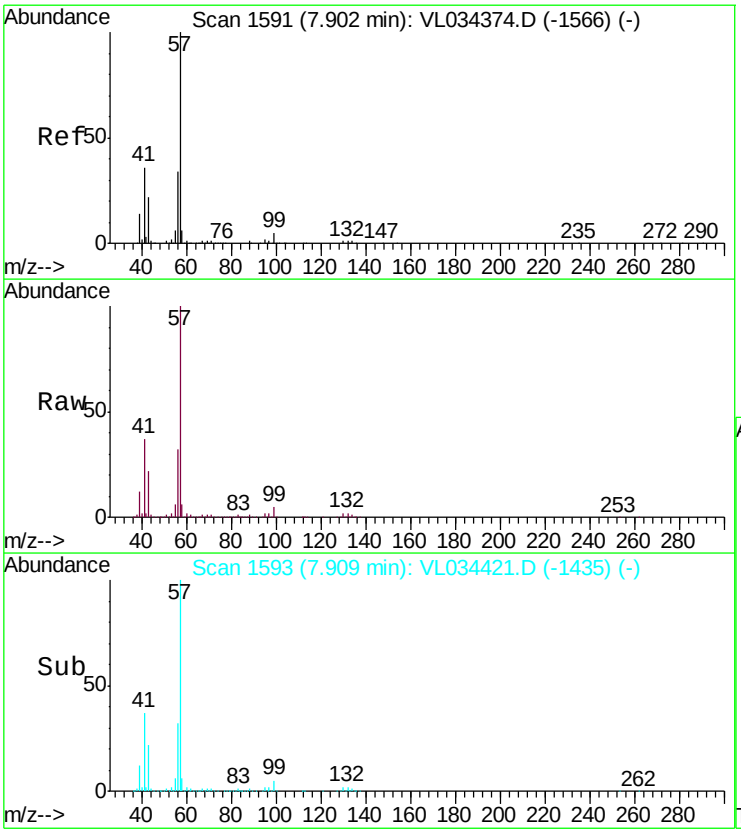
#43
Methyl Methacrylate
Concen: 10.632 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 829744

Ion	Ratio	Lower	Upper
69	100		
41	158.4	127.4	191.2
100	29.5	24.2	36.4

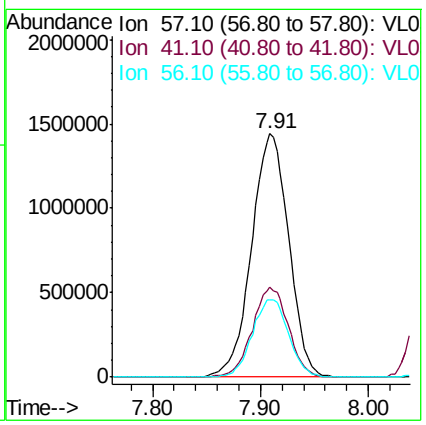


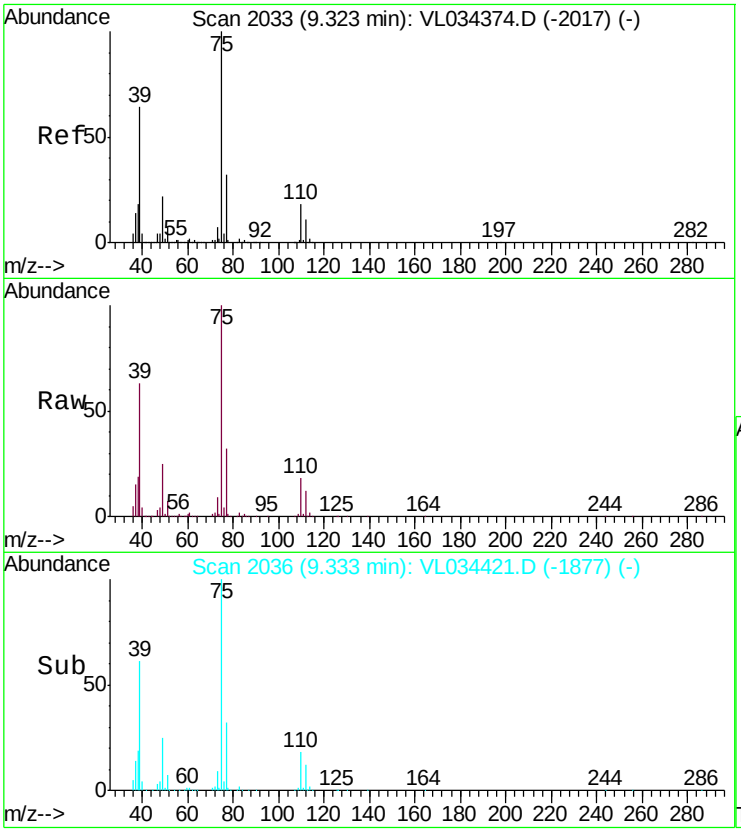


#44
2,2,4-Trimethylpentane
Concen: 10.009 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 57 Resp: 3441866

Ion	Ratio	Lower	Upper
57	100		
41	35.6	28.6	42.8
56	31.2	25.3	37.9



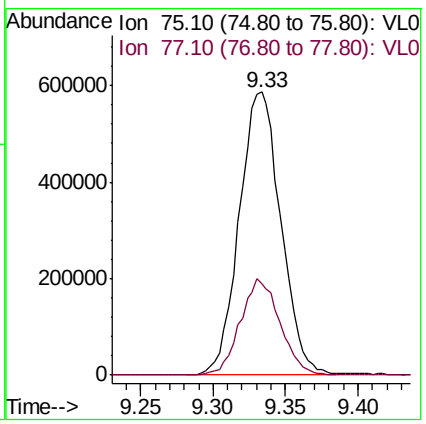


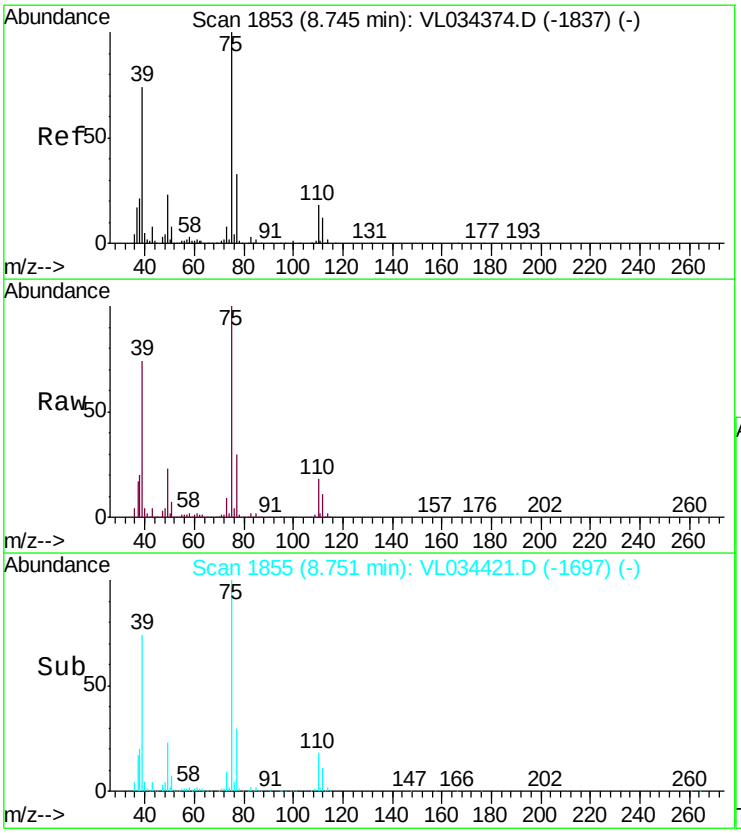
#45
t-1,3-Dichloropropene
Concen: 11.683 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1169367

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.2

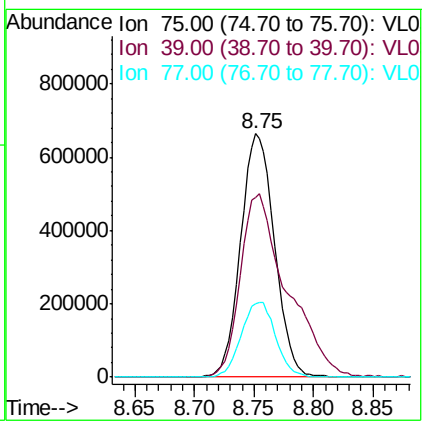


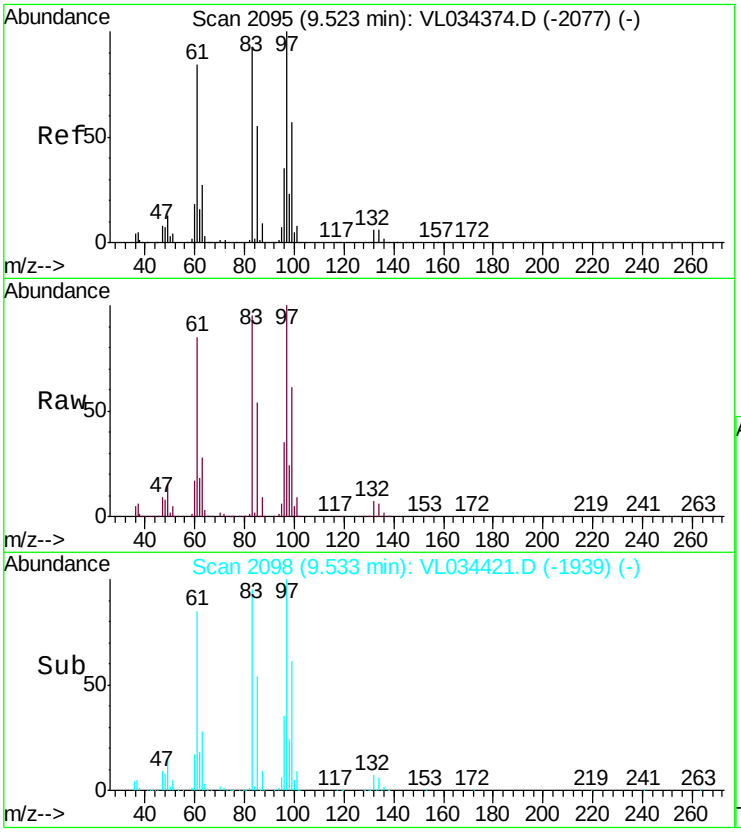


#46
cis-1,3-Dichloropropene
Concen: 11.615 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 75 Resp: 1305780

Ion	Ratio	Lower	Upper
75	100		
39	73.4	59.0	88.6
77	30.2	26.4	39.6



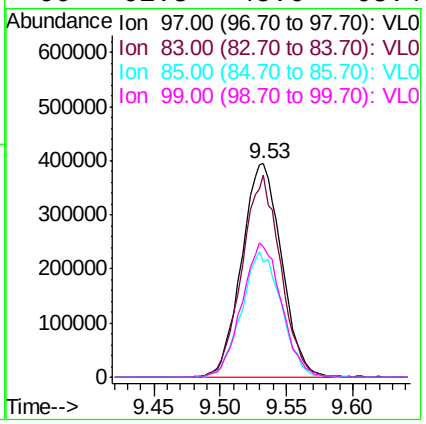


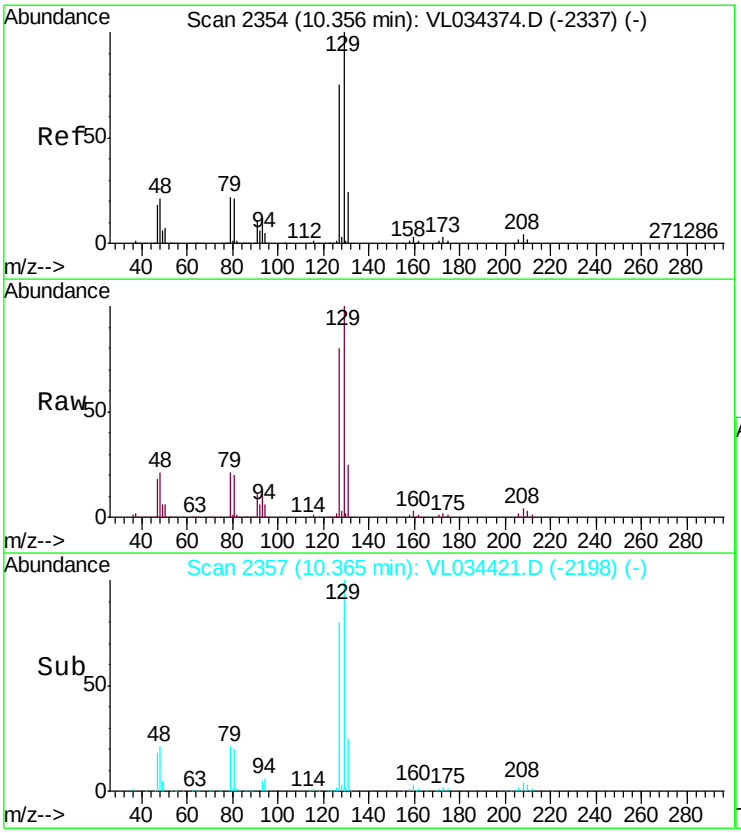
#47
1,1,2-Trichloroethane
Concen: 10.274 ppbv
RT: 9.53 min Scan# 2098
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 828538

Ion	Ratio	Lower	Upper
97	100		
83	94.5	74.6	112.0
85	53.8	43.8	65.8
99	61.3	45.6	68.4

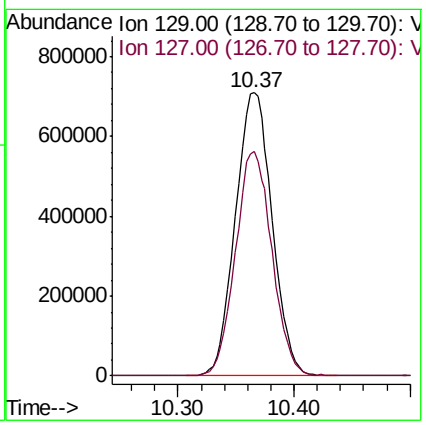


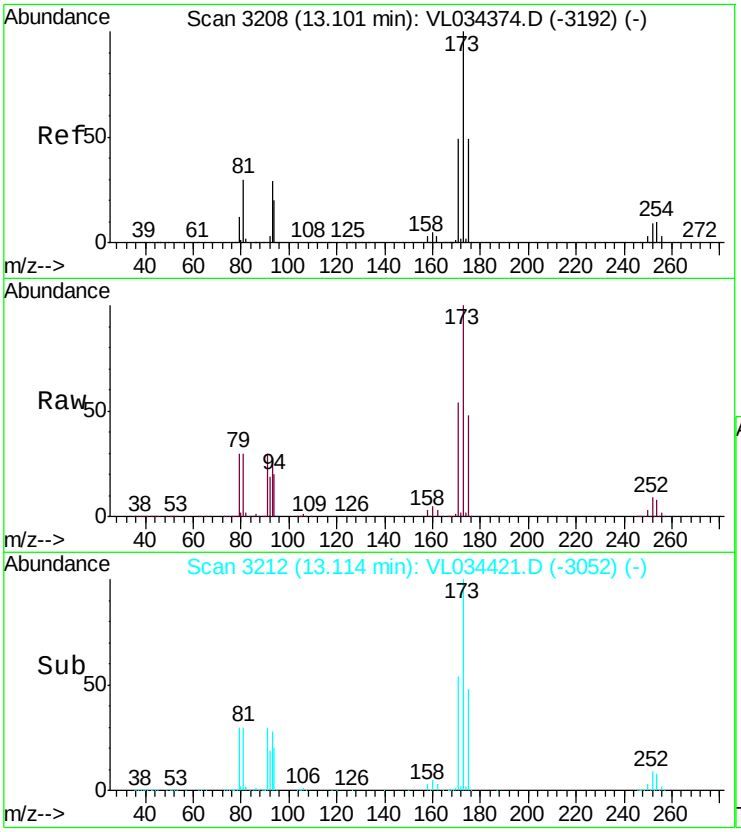


#48
Dibromochloromethane
Concen: 11.271 ppbv
RT: 10.37 min Scan# 2357
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:129 Resp: 1560518

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.5



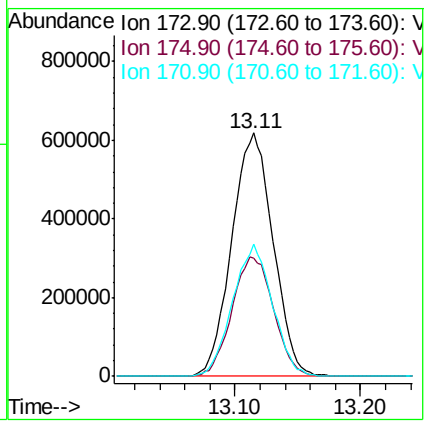


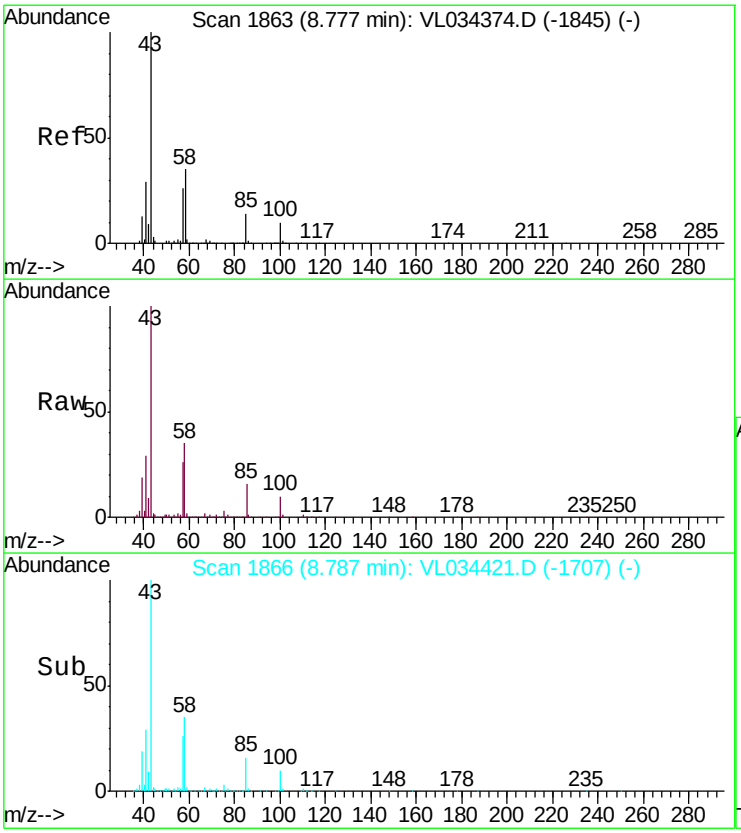
#49
Bromoform
Concen: 11.371 ppbv
RT: 13.11 min Scan# 3212
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1405384

Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.3	58.9
171	53.0	42.4	63.6

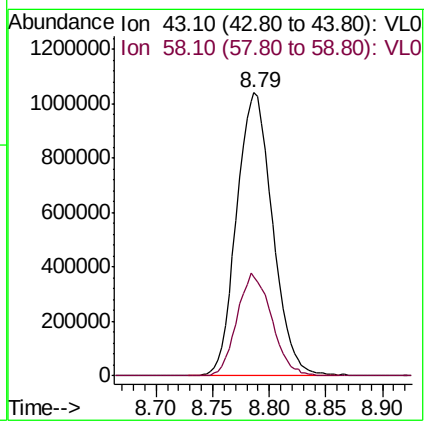


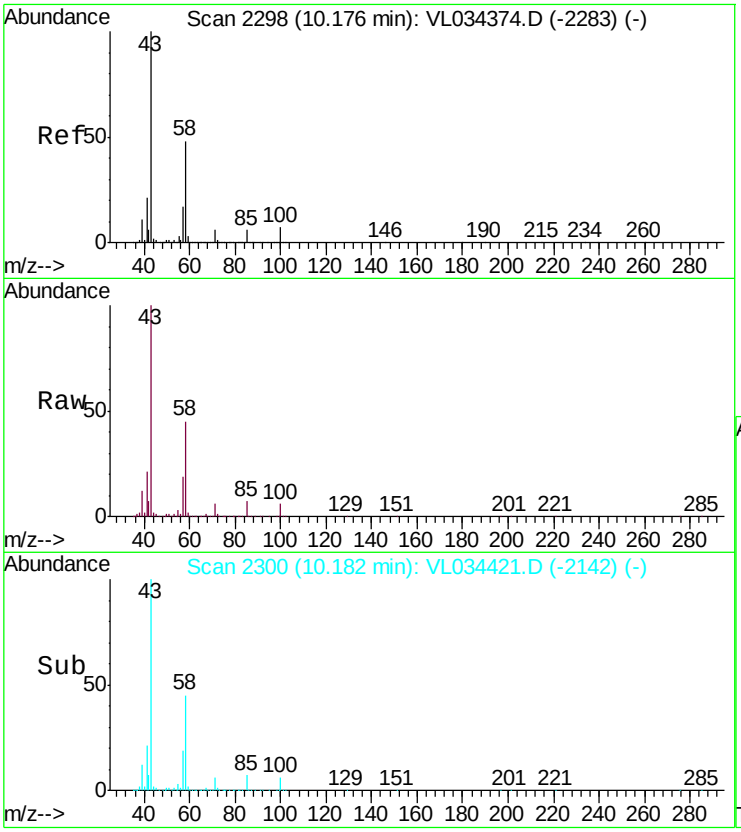


#50
4-Methyl-2-Pentanone
Concen: 10.286 ppbv
RT: 8.79 min Scan# 1866
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 43 Resp: 2305957

Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.9	41.9



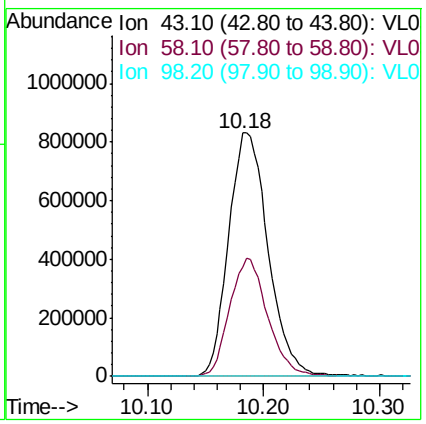


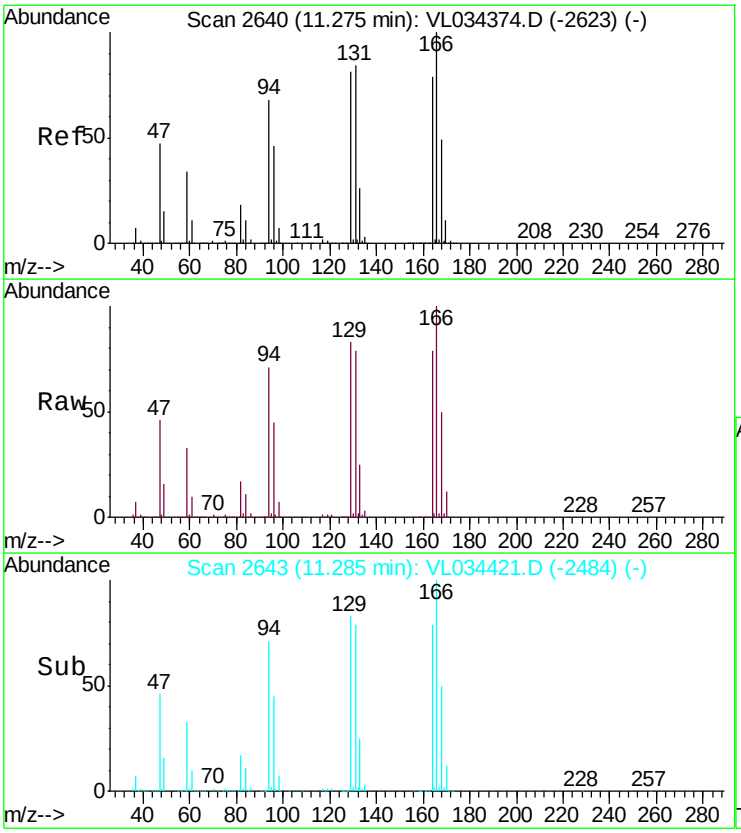
#51
2-Hexanone
Concen: 10.408 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1954405

Ion	Ratio	Lower	Upper
43	100		
58	46.7	38.2	57.4
98	0.2	0.2	0.2

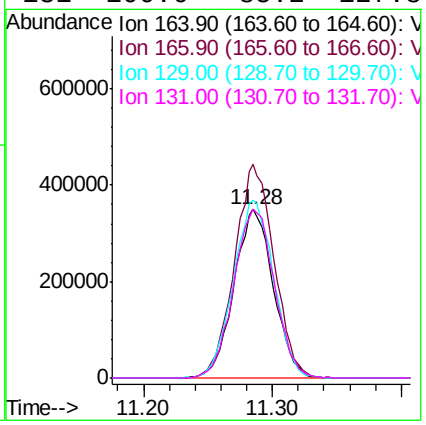


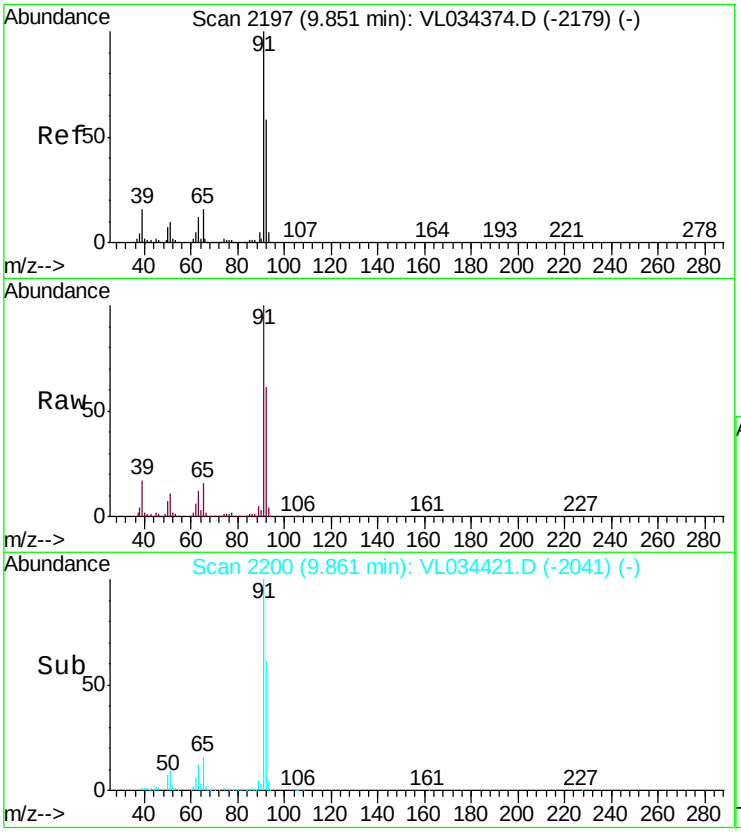


#52
Tetrachloroethene
Concen: 9.104 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:164 Resp: 741171

Ion	Ratio	Lower	Upper
164	100		
166	126.7	101.7	152.5
129	105.1	82.6	123.8
131	100.6	85.2	127.8



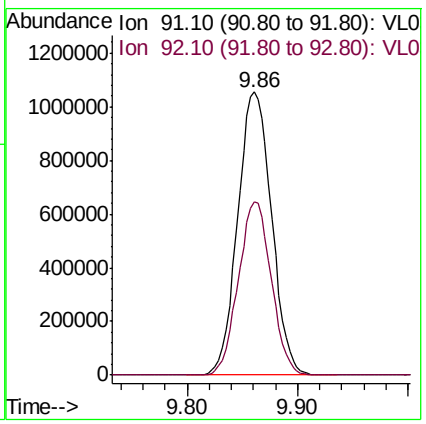


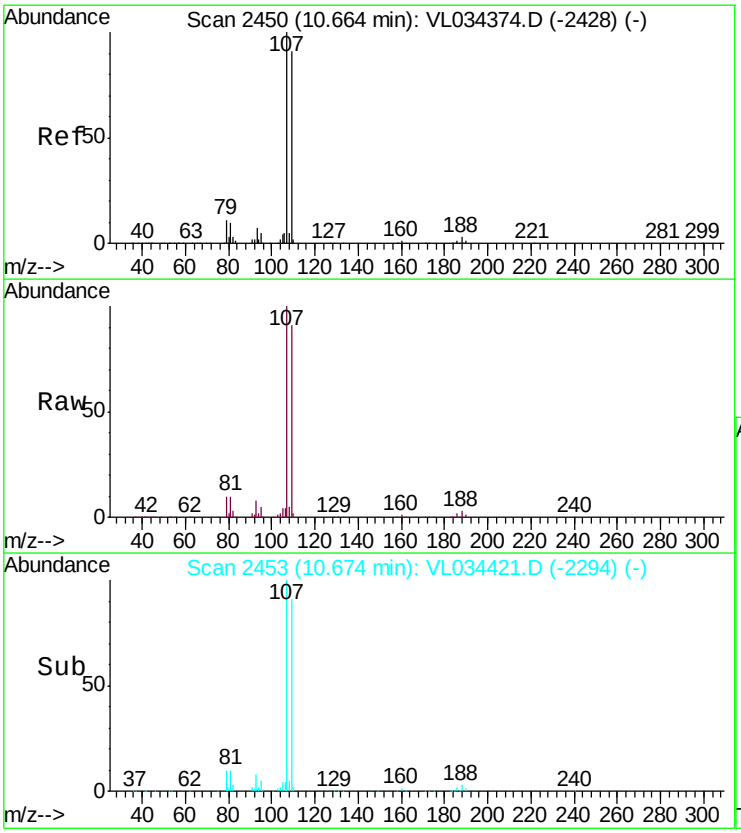
#53
Toluene
Concen: 10.502 ppbv
RT: 9.86 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2244723

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.9	71.9

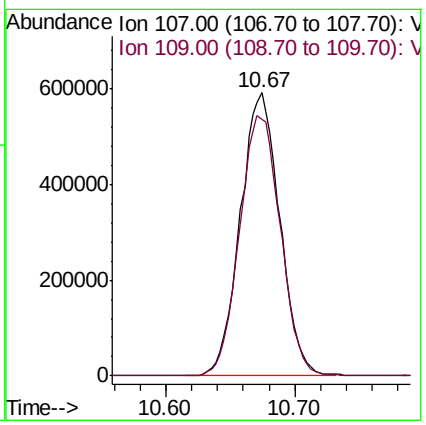


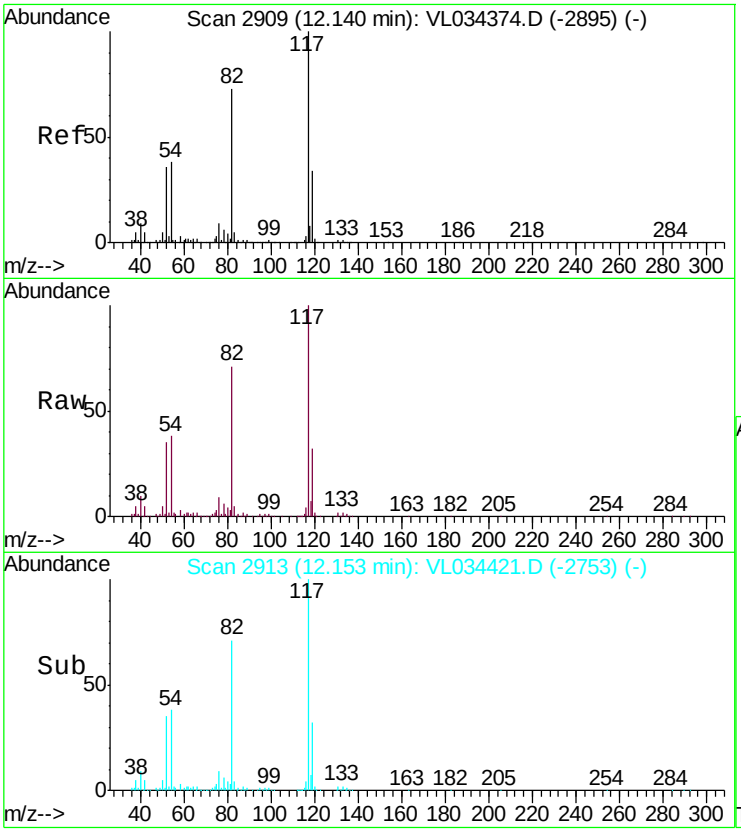


#54
1,2-Dibromoethane
Concen: 10.195 ppbv
RT: 10.67 min Scan# 2453
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:107 Resp: 1260418

Ion	Ratio	Lower	Upper
107	100		
109	90.7	73.0	109.4



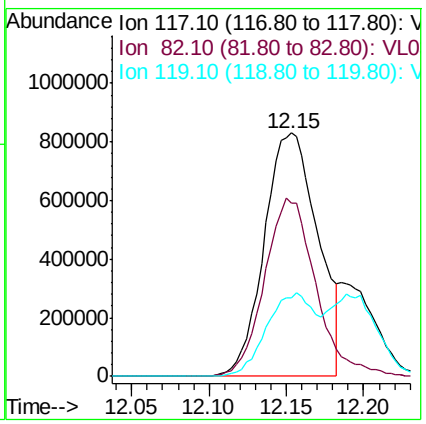


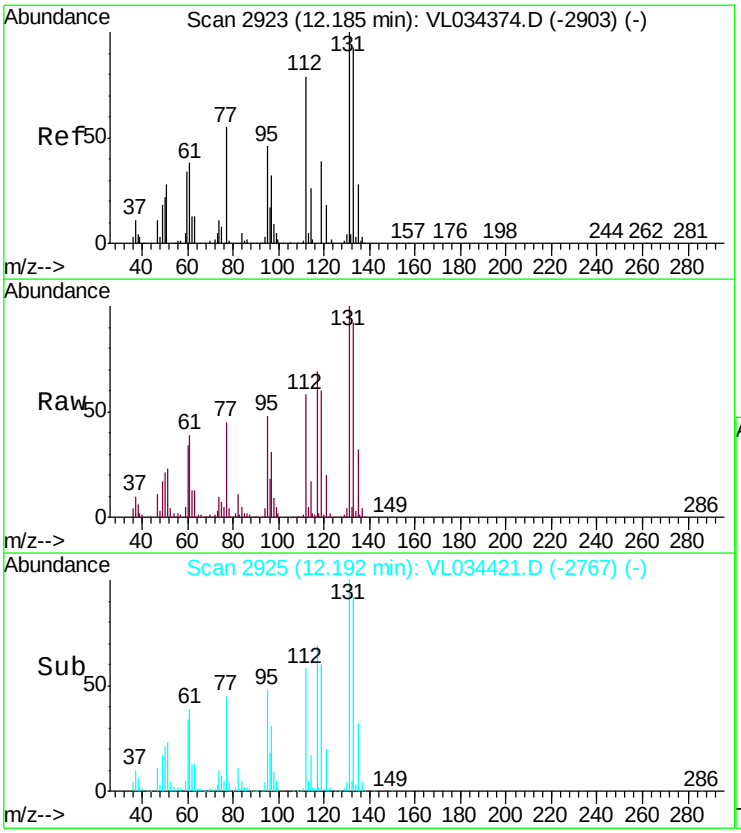
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2000468

Ion	Ratio	Lower	Upper
117	100		
82	70.3	57.5	86.3
119	33.3	25.4	38.2

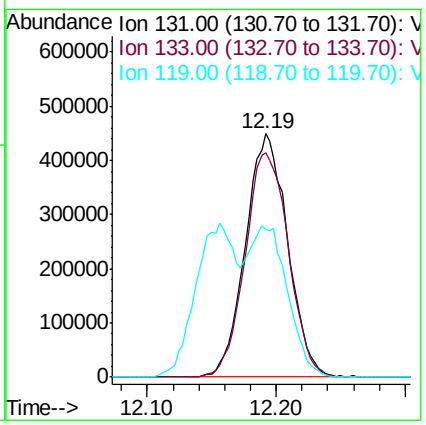


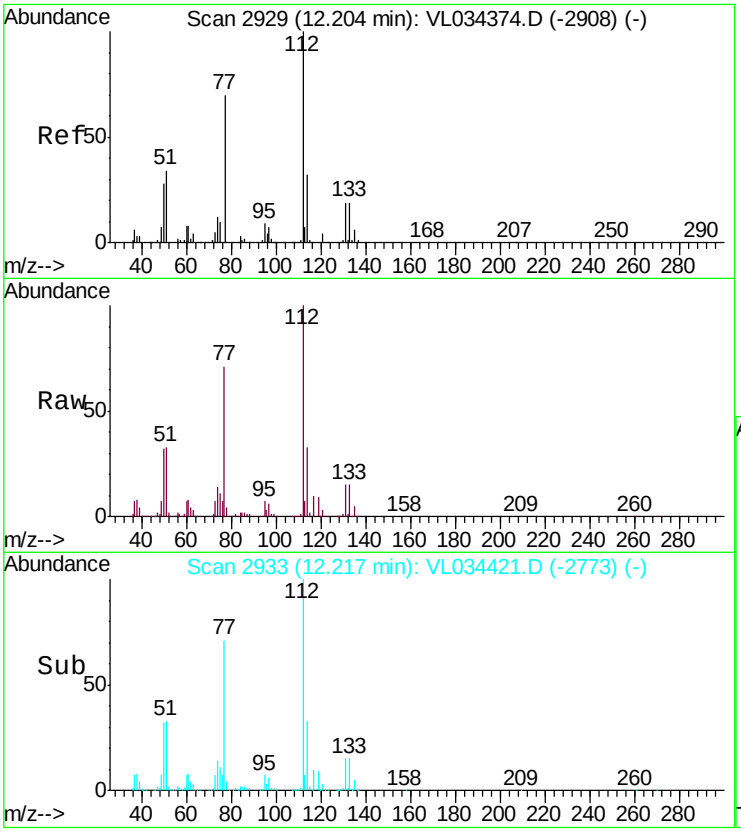


#56
1,1,1,2-Tetrachloroethane
Concen: 10.421 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:131 Resp: 1019770

Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.2	114.2
119	63.0	44.6	67.0



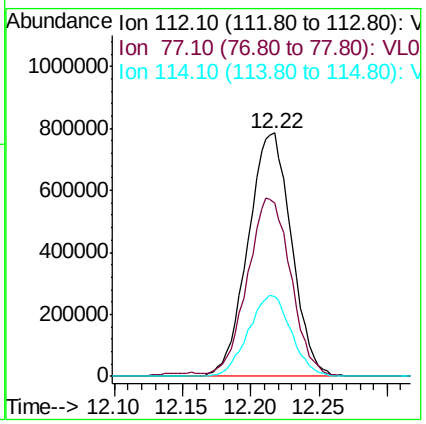


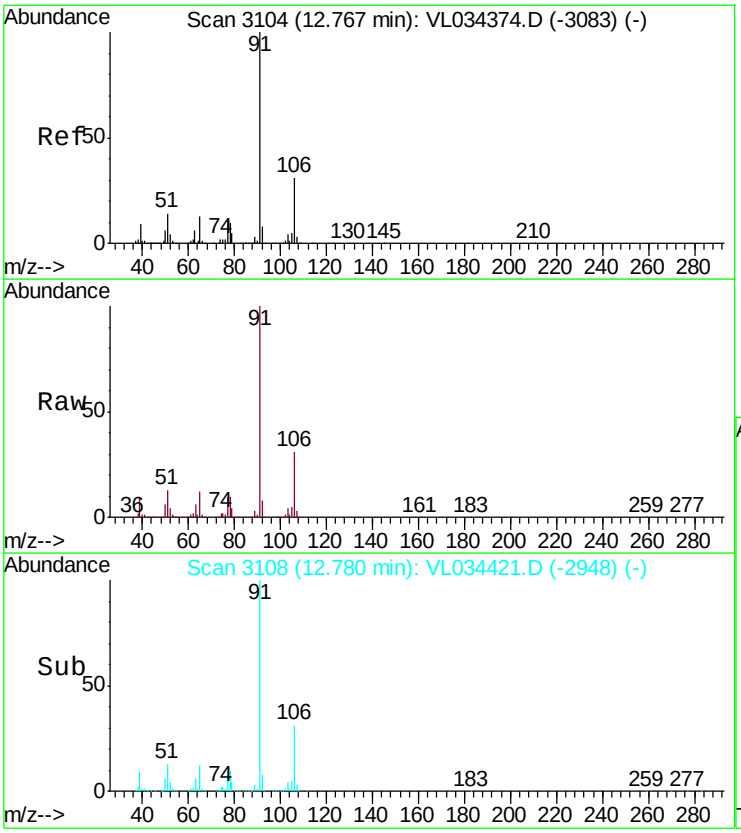
#57
Chlorobenzene
Concen: 9.563 ppbv
RT: 12.22 min Scan# 2933
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1729298

Ion	Ratio	Lower	Upper
112	100		
77	70.8	57.1	85.7
114	32.9	28.5	34.9

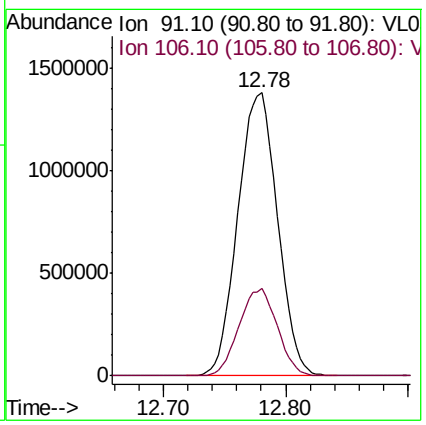


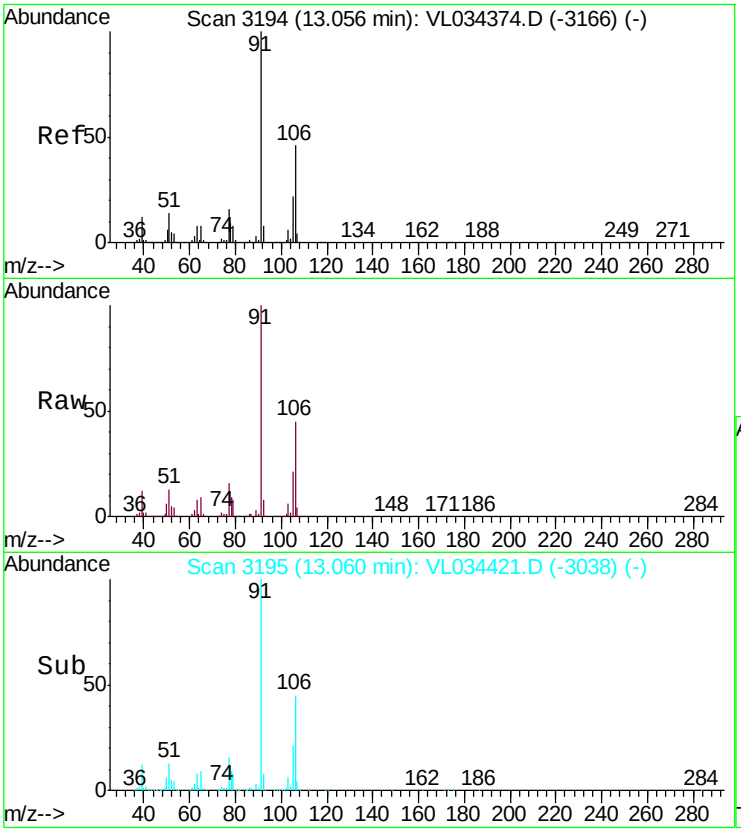


#58
Ethyl Benzene
Concen: 9.997 ppbv
RT: 12.78 min Scan# 3108
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 91 Resp: 3103565

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.8	37.2



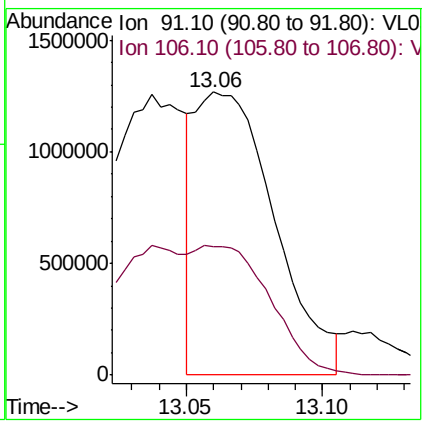


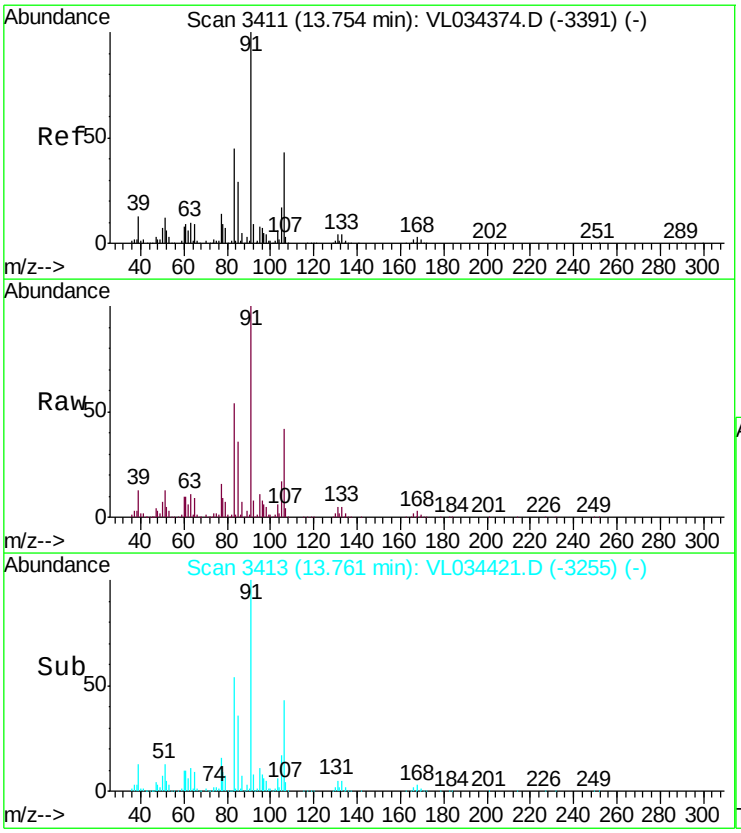
#59
m/p-Xylene
Concen: 9.496 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2548339

Ion	Ratio	Lower	Upper
91	100		
106	90.0	34.6	51.8#

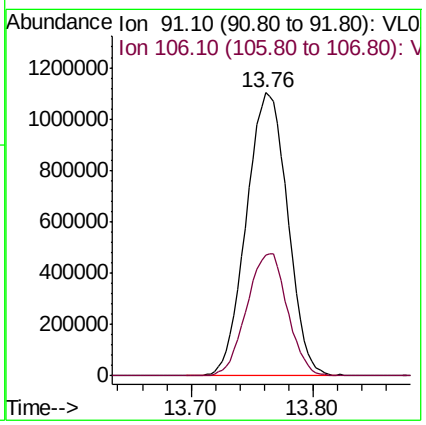


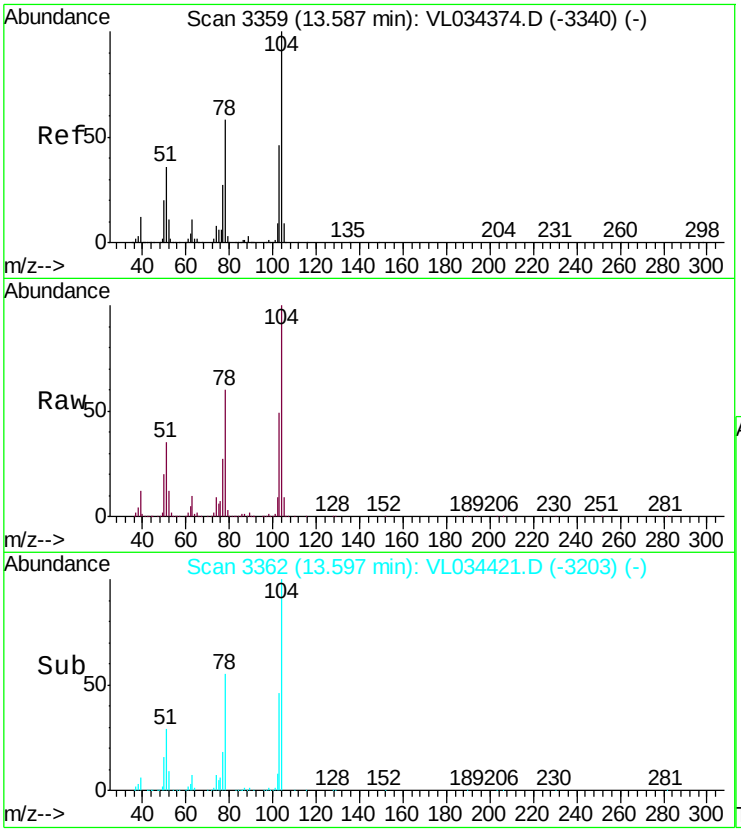


#60
o-Xylene
Concen: 9.740 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 91 Resp: 2584387

Ion	Ratio	Lower	Upper
91	100		
106	42.4	21.3	64.0



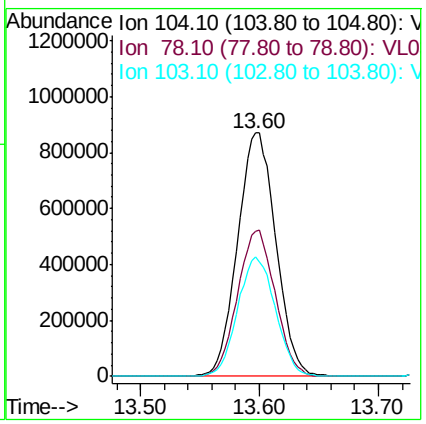


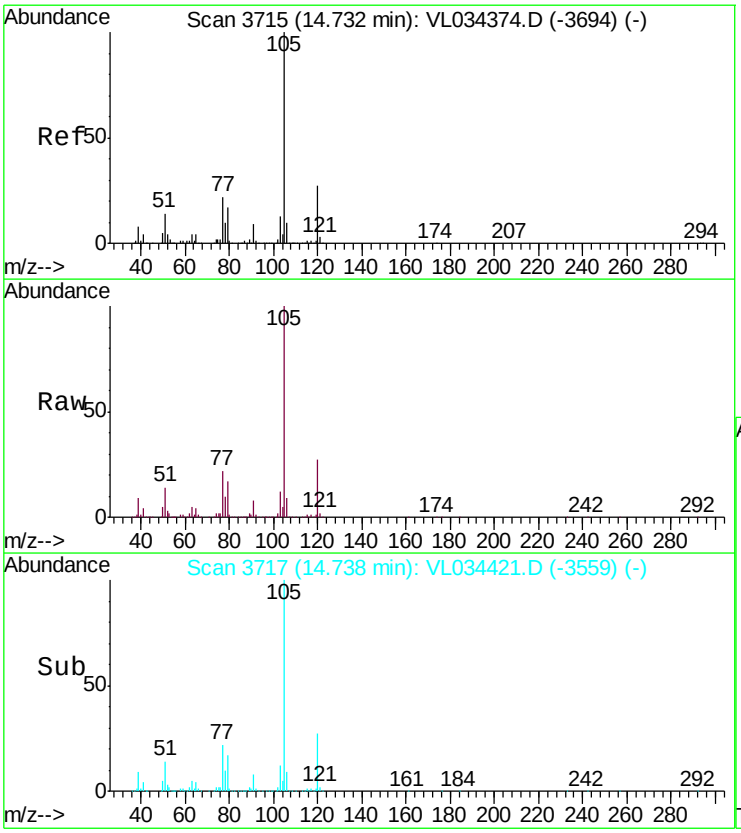
#61
Styrene
Concen: 10.130 ppbv
RT: 13.60 min Scan# 3362
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1938188

Ion	Ratio	Lower	Upper
104	100		
78	59.2	47.6	71.4
103	48.4	38.6	57.8

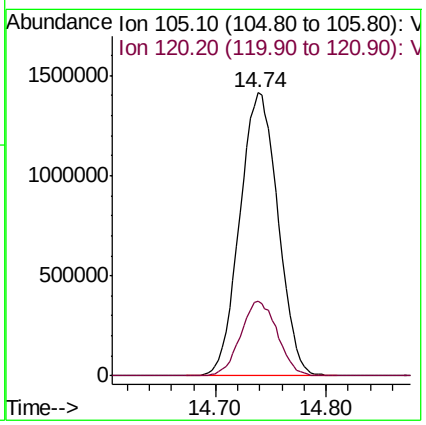


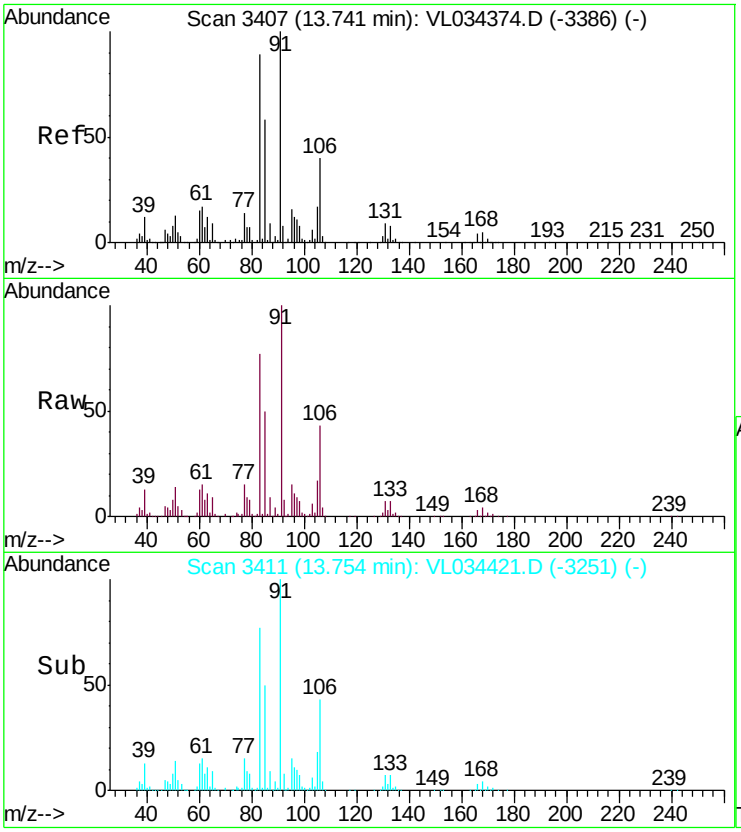


#62
Isopropylbenzene
Concen: 9.662 ppbv
RT: 14.74 min Scan# 3717
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:105 Resp: 3390518

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.2	30.4



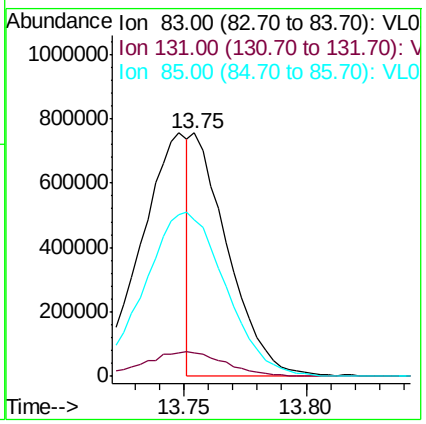


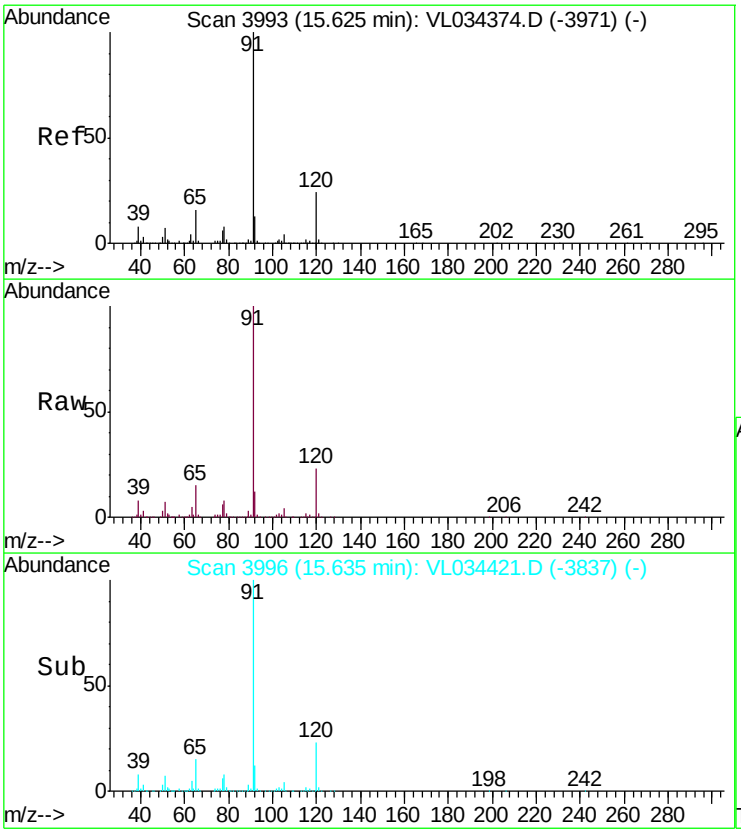
#63
1,1,2,2-Tetrachloroethane
Concen: 3.907 ppbv
RT: 13.75 min Scan# 3411
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 779143

Ion	Ratio	Lower	Upper
83	100		
131	22.9	4.9	14.7#
85	152.8	32.6	97.8#

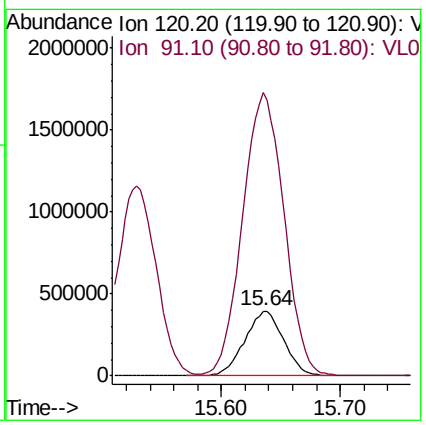


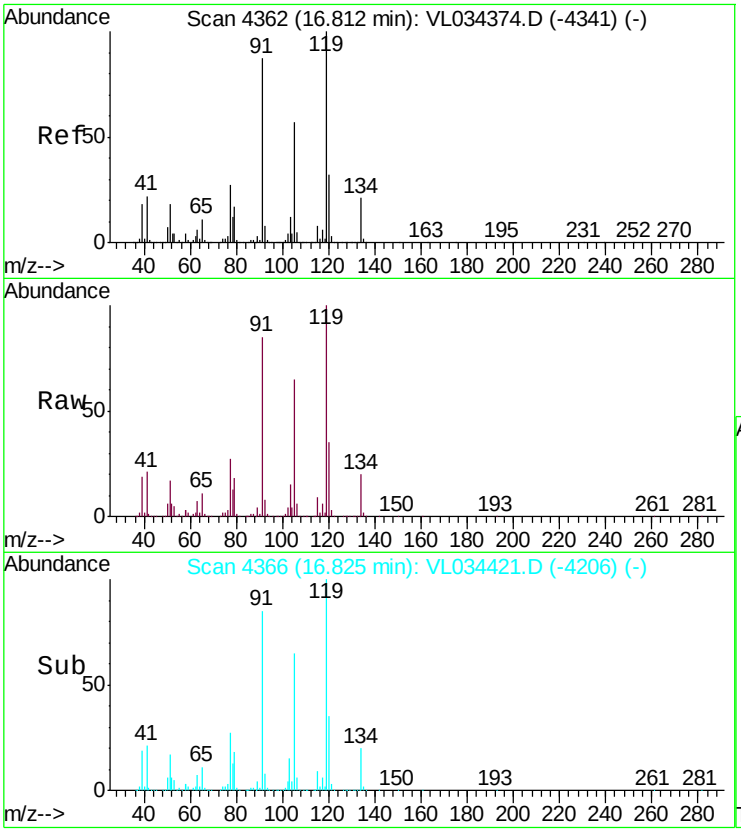


#64
n-propylbenzene
Concen: 9.811 ppbv
RT: 15.64 min Scan# 3996
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:120 Resp: 894033

Ion	Ratio	Lower	Upper
120	100		
91	465.8	370.9	556.3



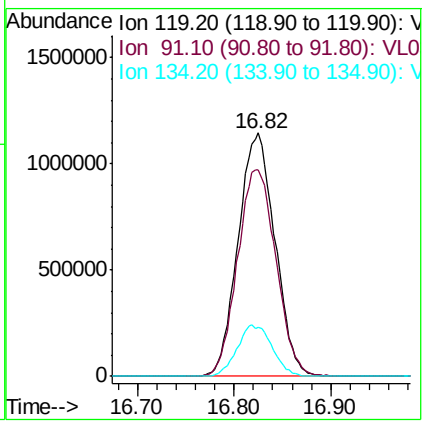


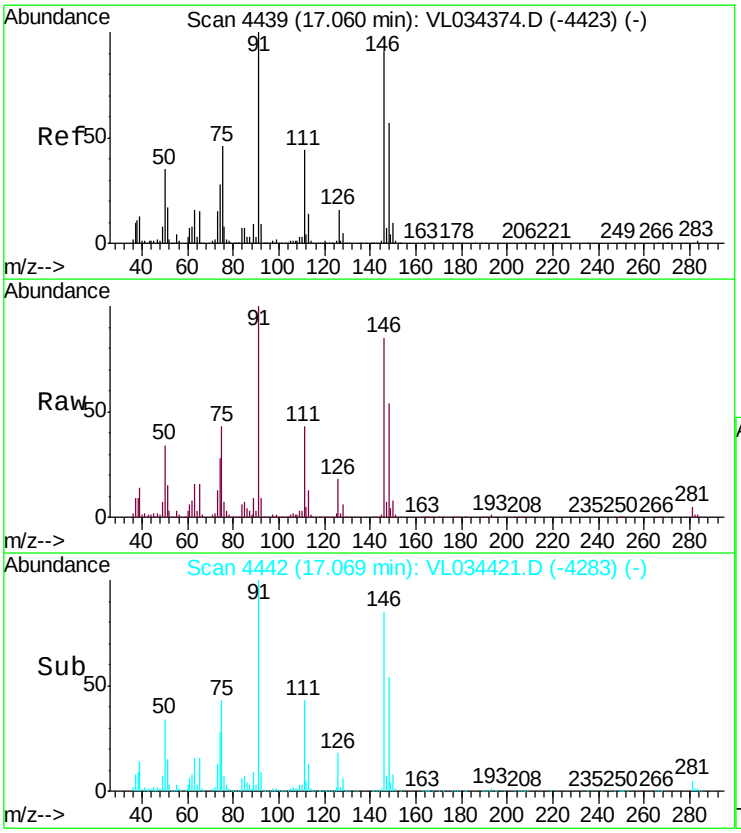
#65
tert-Butylbenzene
Concen: 9.593 ppbv
RT: 16.82 min Scan# 4366
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3023734

Ion	Ratio	Lower	Upper
119	100		
91	89.0	71.6	107.4
134	20.0	15.9	23.9

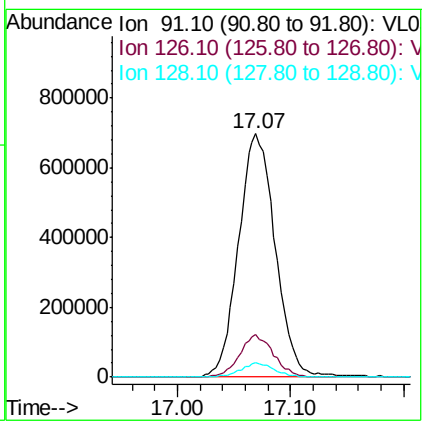


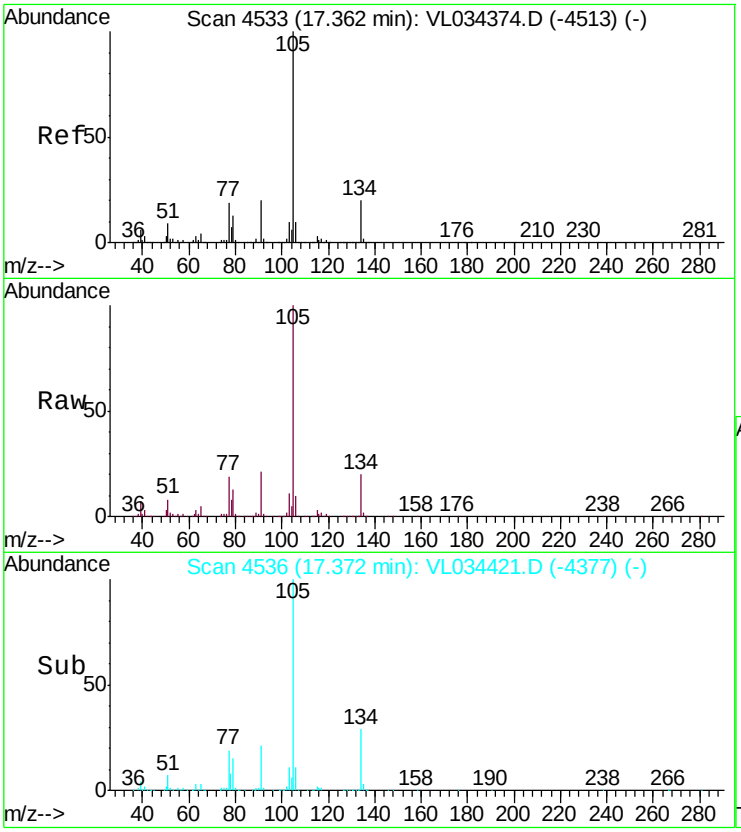


#66
Benzyl Chloride
Concen: 12.953 ppbv
RT: 17.07 min Scan# 4442
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 91 Resp: 1570678

Ion	Ratio	Lower	Upper
91	100		
126	16.3	12.9	19.3
128	5.4	4.3	6.5



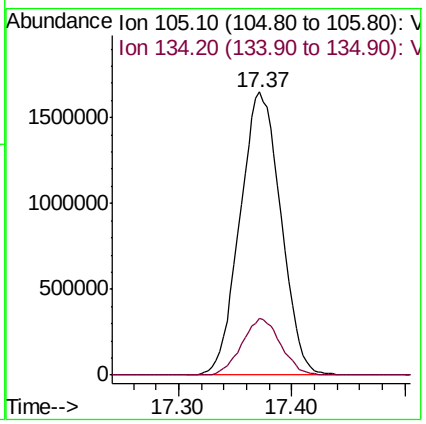


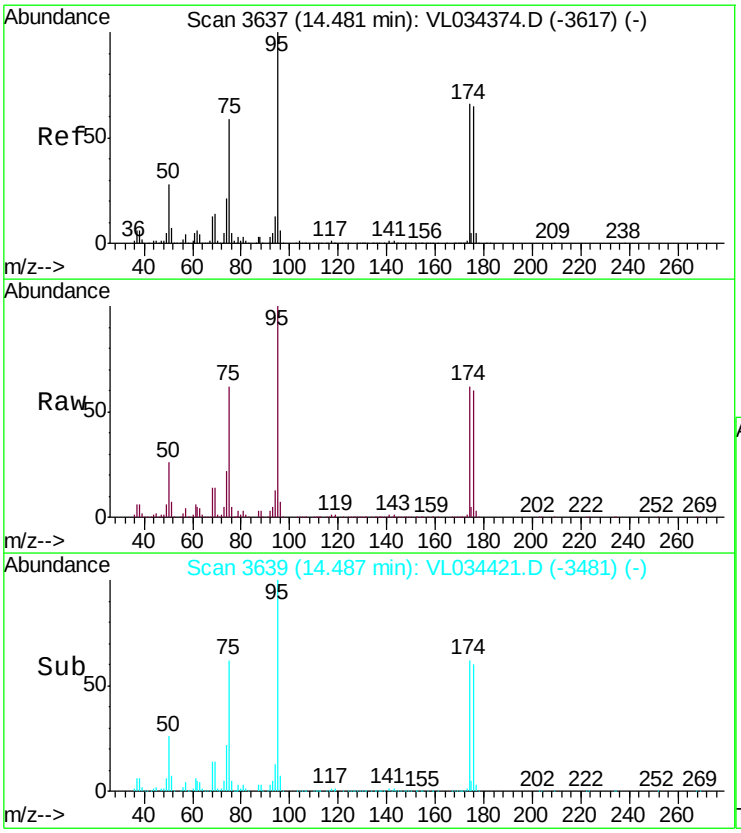
#67
sec-Butylbenzene
Concen: 9.387 ppbv
RT: 17.37 min Scan# 4536
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4138901

Ion	Ratio	Lower	Upper
105	100		
134	19.0	15.0	22.6

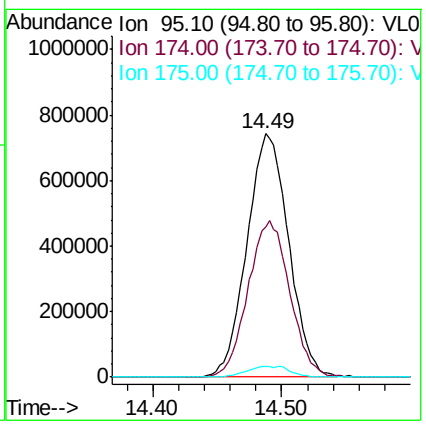


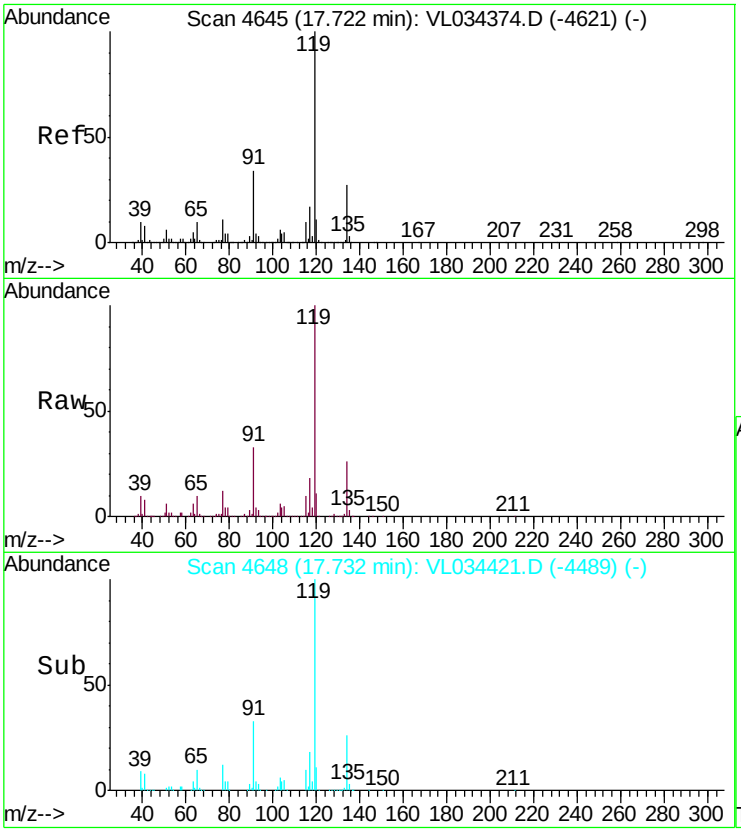


#68
1-Bromo-4-Fluorobenzene
Concen: 9.948 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 95 Resp: 1674228

Ion	Ratio	Lower	Upper
95	100		
174	64.5	52.2	78.2
175	4.7	3.8	5.8



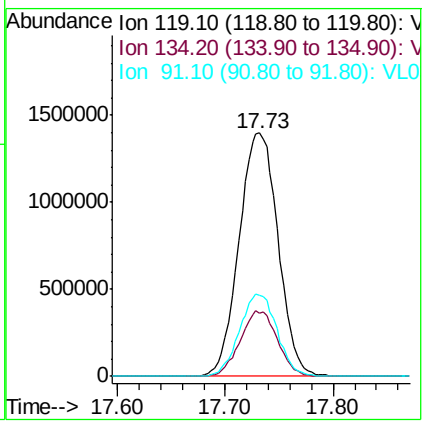


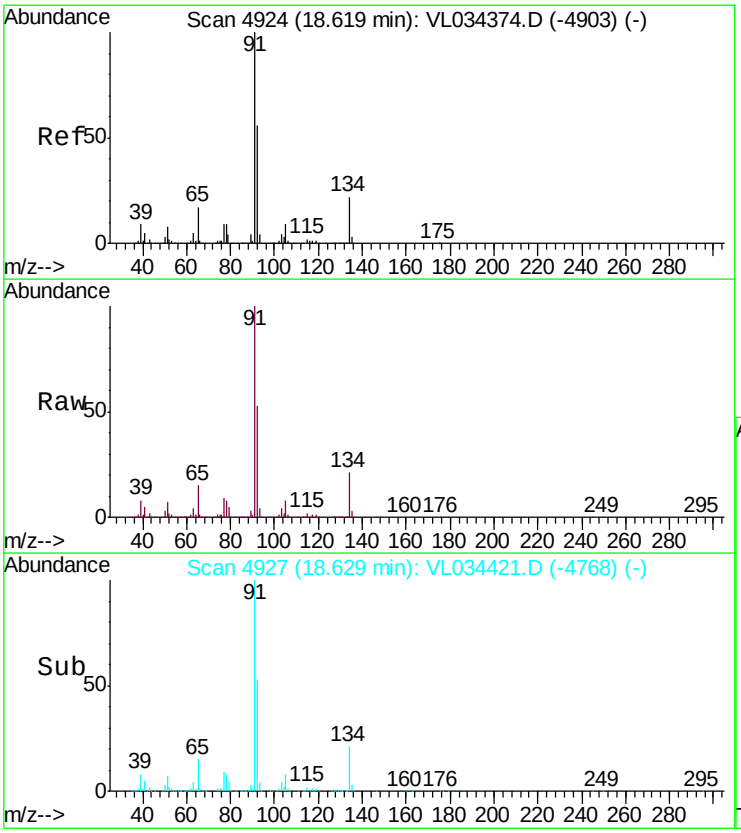
#69
p-Isopropyltoluene
Concen: 9.583 ppbv
RT: 17.73 min Scan# 4648
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3506721

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	32.8	26.3	39.5

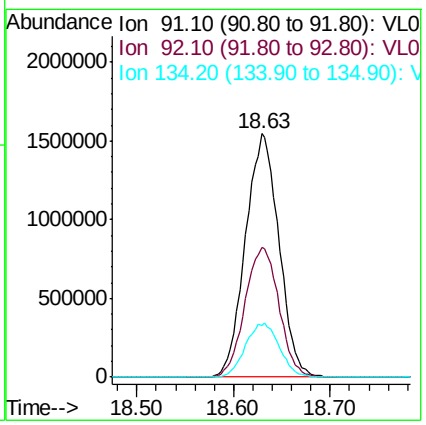


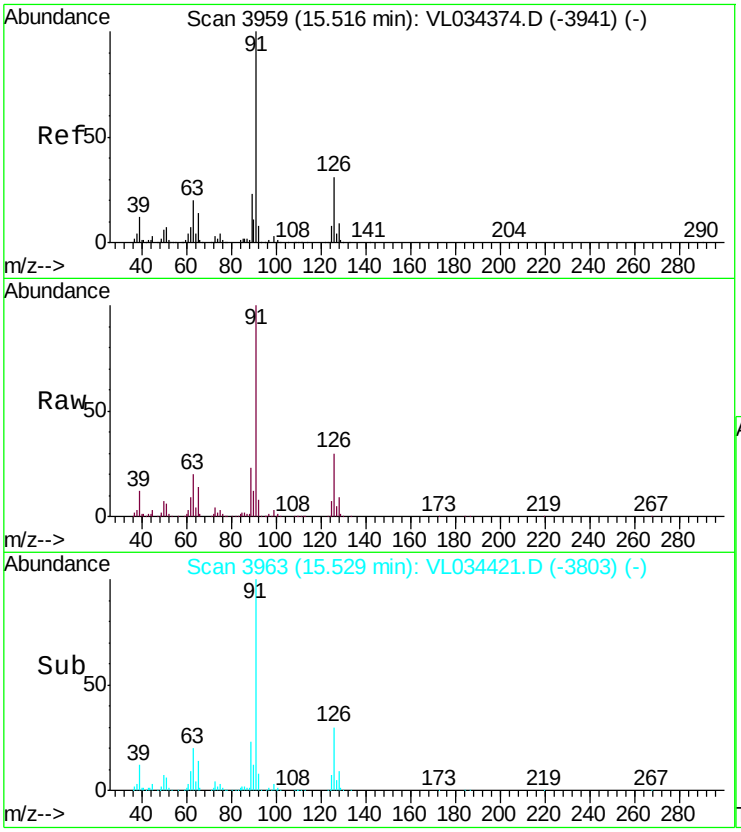


#70
n-Butylbenzene
Concen: 9.428 ppbv
RT: 18.63 min Scan# 4927
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion: 91 Resp: 3712046

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.6
134	22.5	17.9	26.9



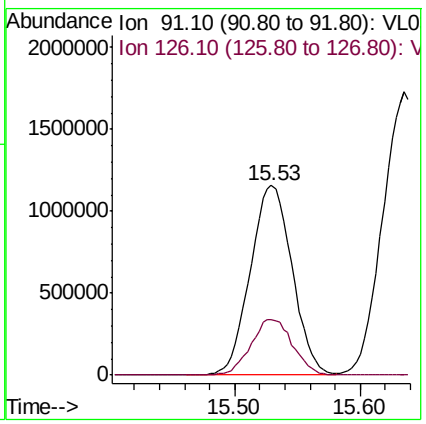


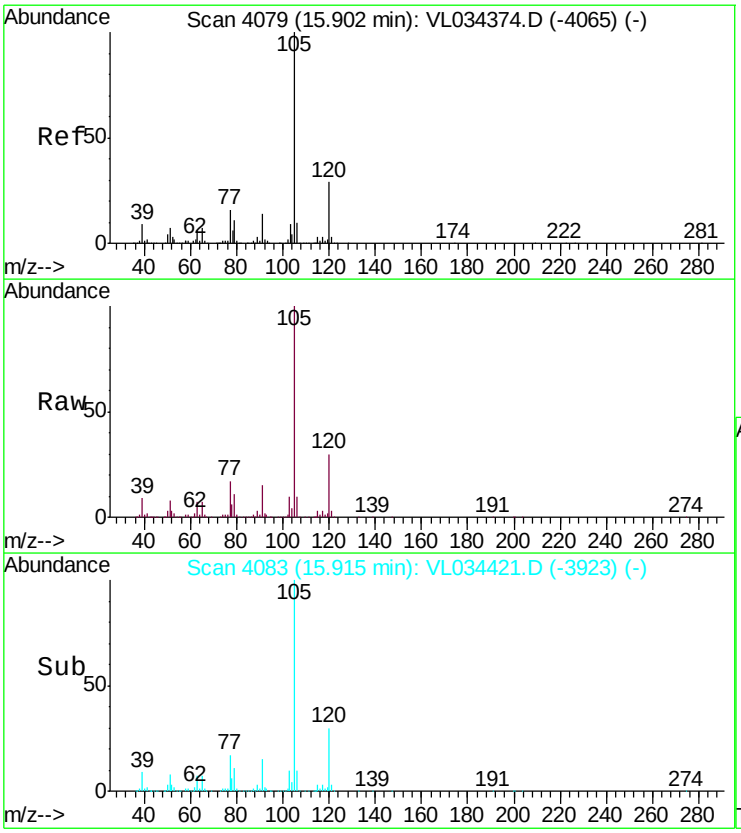
#71
2-Chlorotoluene
Concen: 9.621 ppbv
RT: 15.53 min Scan# 3963
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2691927

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.8	47.4

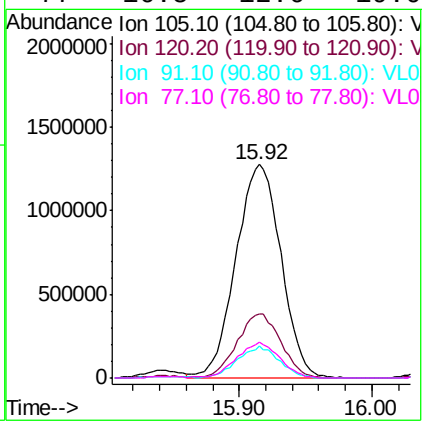


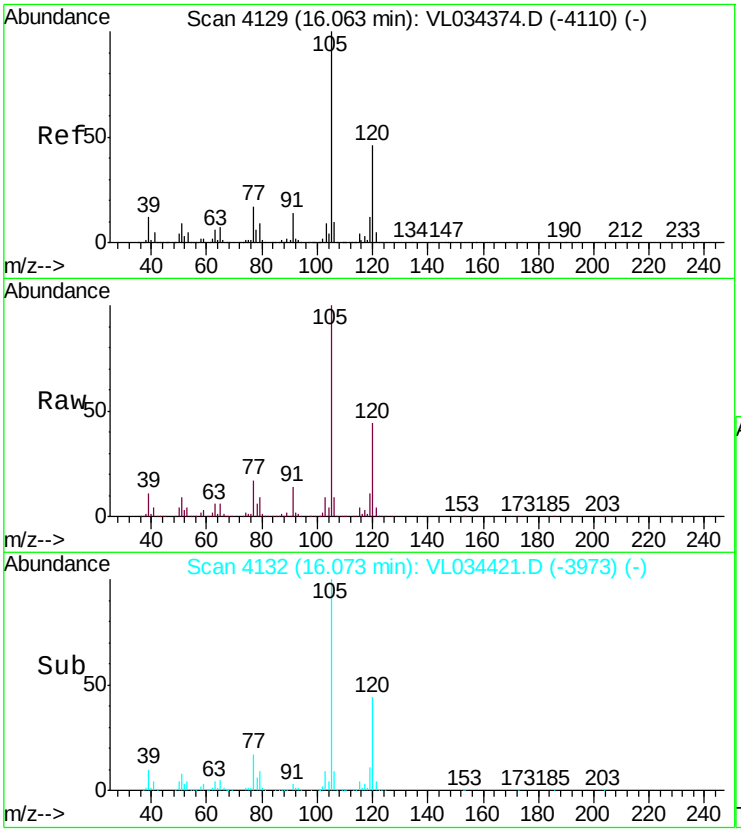


#72
4-Ethyltoluene
Concen: 9.778 ppbv
RT: 15.92 min Scan# 4083
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:105 Resp: 2997528

Ion	Ratio	Lower	Upper
105	100		
120	29.5	23.5	35.3
91	13.9	11.4	17.0
77	16.5	12.6	19.0



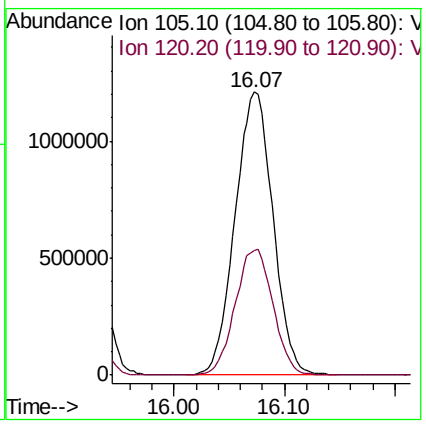


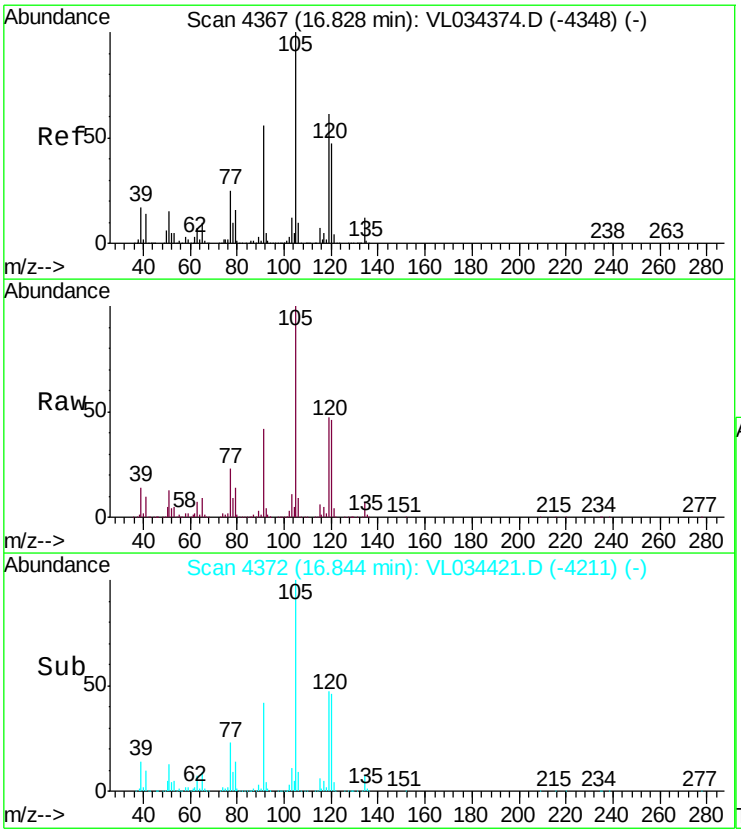
#73
1,3,5-Trimethylbenzene
Concen: 9.577 ppbv
RT: 16.07 min Scan# 4132
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2874032

Ion	Ratio	Lower	Upper
105	100		
120	44.3	37.1	55.7

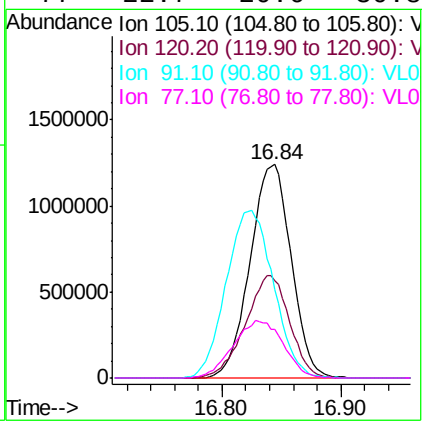


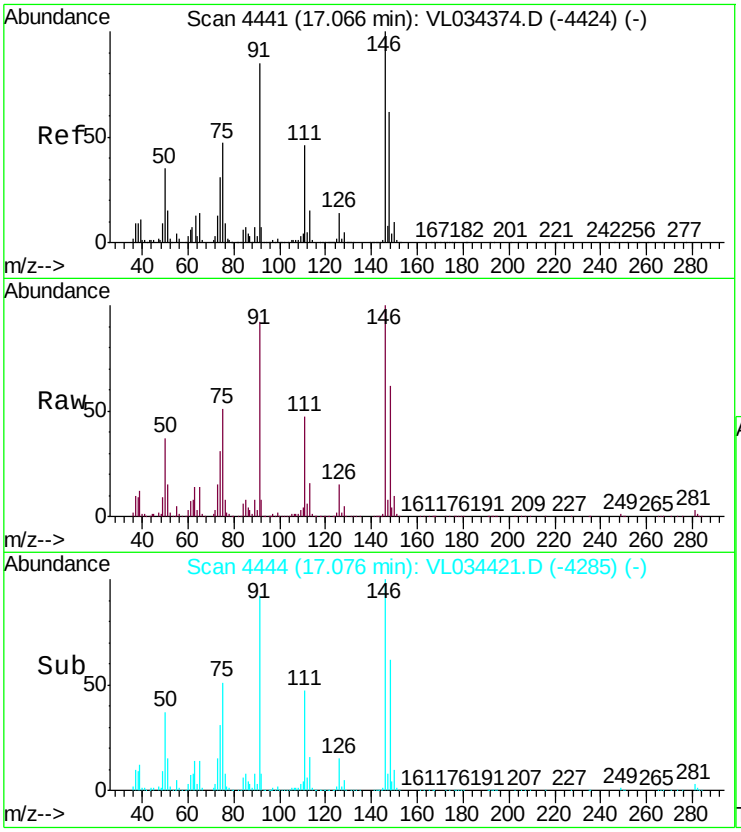


#74
1,2,4-Trimethylbenzene
Concen: 9.327 ppbv
RT: 16.84 min Scan# 4372
Delta R.T. 0.02 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:105 Resp: 2973194

Ion	Ratio	Lower	Upper
105	100		
120	45.8	37.4	56.0
91	41.1	46.3	69.5#
77	22.7	20.6	30.8



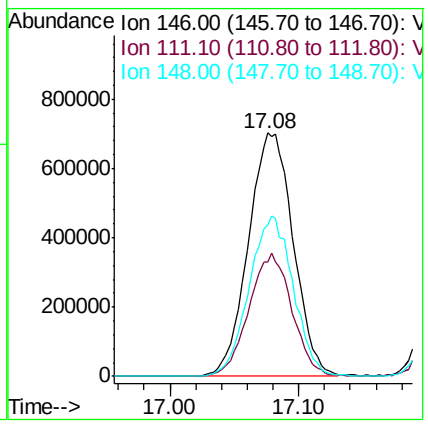


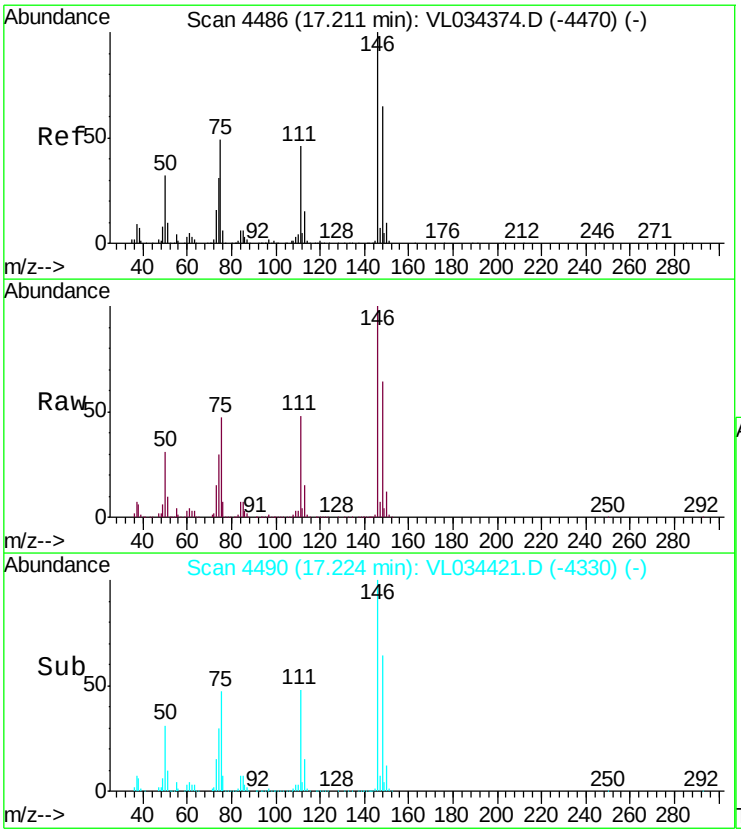
#75
1,3-Dichlorobenzene
Concen: 9.287 ppbv
RT: 17.08 min Scan# 4444
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1701714

Ion	Ratio	Lower	Upper
146	100		
111	48.5	24.4	73.4
148	64.8	32.4	97.0

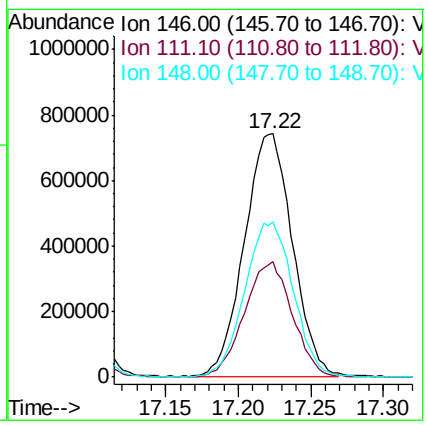


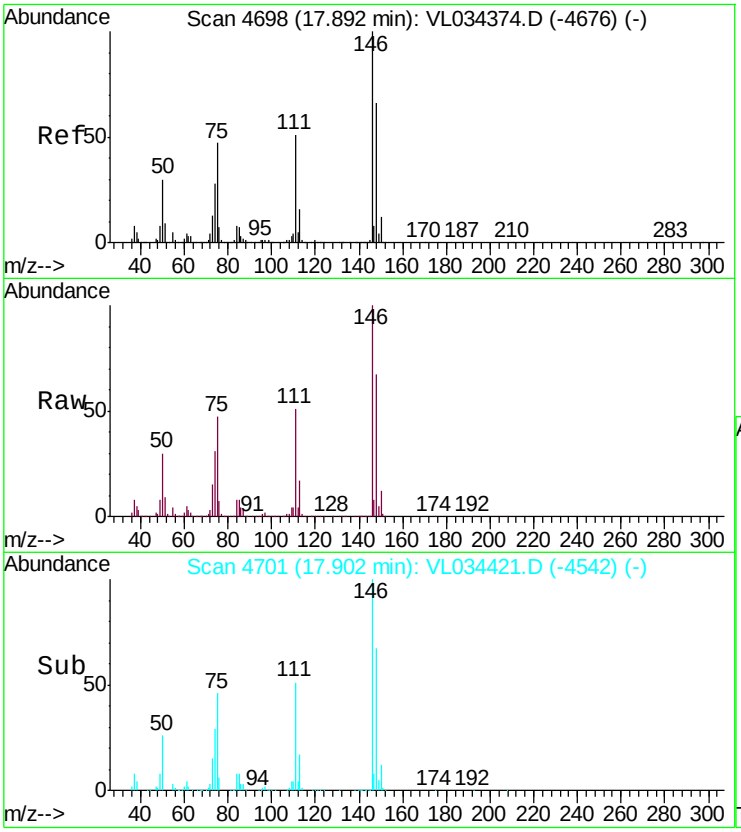


#76
1,4-Dichlorobenzene
Concen: 9.600 ppbv
RT: 17.22 min Scan# 4490
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:146 Resp: 1708064

Ion	Ratio	Lower	Upper
146	100		
111	47.7	24.1	72.3
148	65.0	32.9	98.6



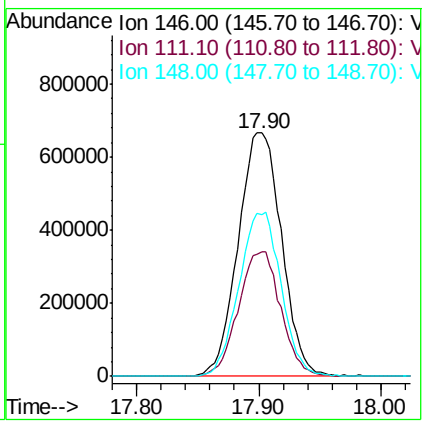


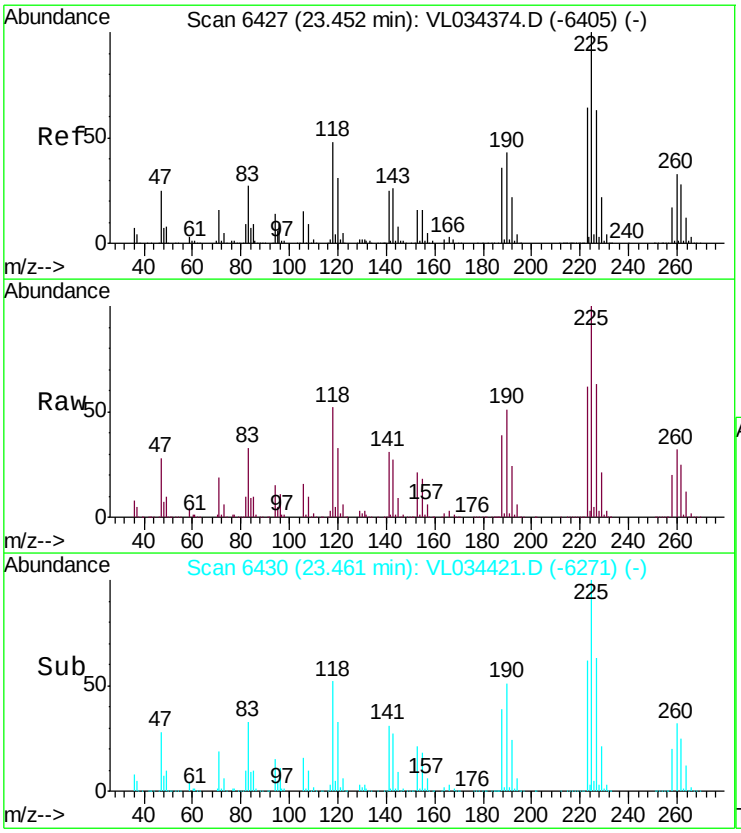
#77
1,2-Dichlorobenzene
Concen: 9.262 ppbv
RT: 17.90 min Scan# 4701
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1639129

Ion	Ratio	Lower	Upper
146	100		
111	50.1	25.0	75.0
148	65.7	32.7	98.1

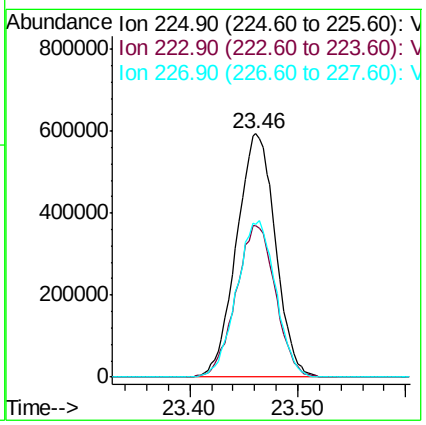


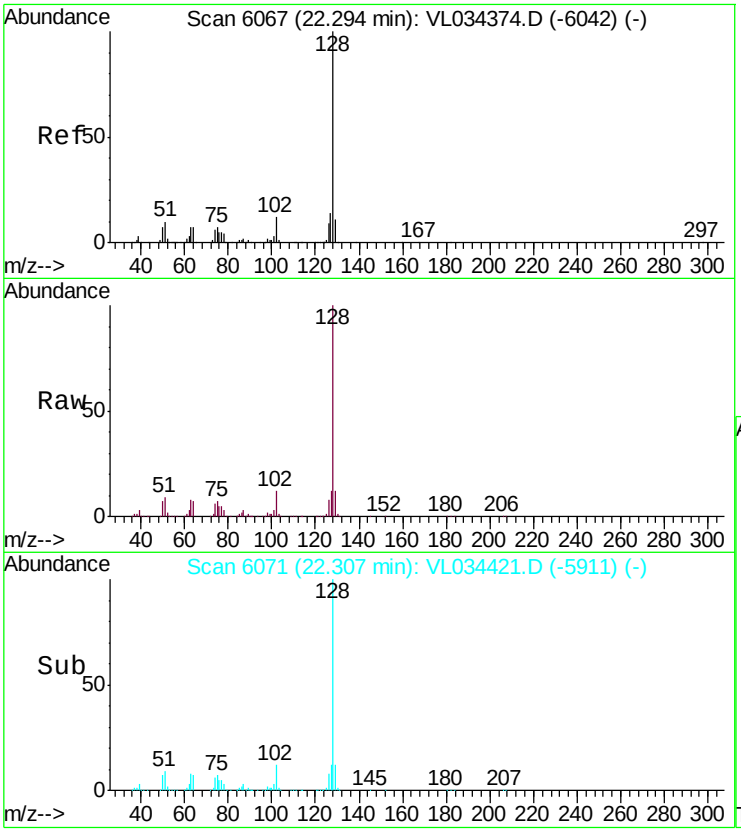


#78
Hexachloro-1,3-Butadiene
Concen: 9.791 ppbv
RT: 23.46 min Scan# 6430
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:225 Resp: 1488721

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.2	75.2
227	64.3	51.5	77.3



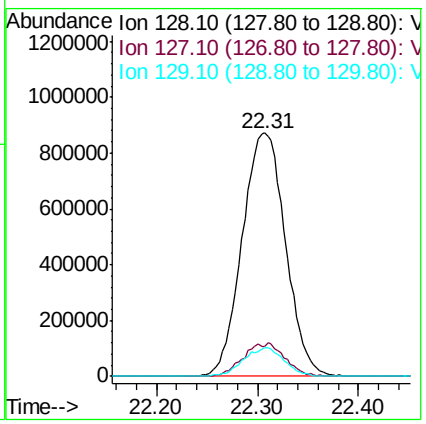


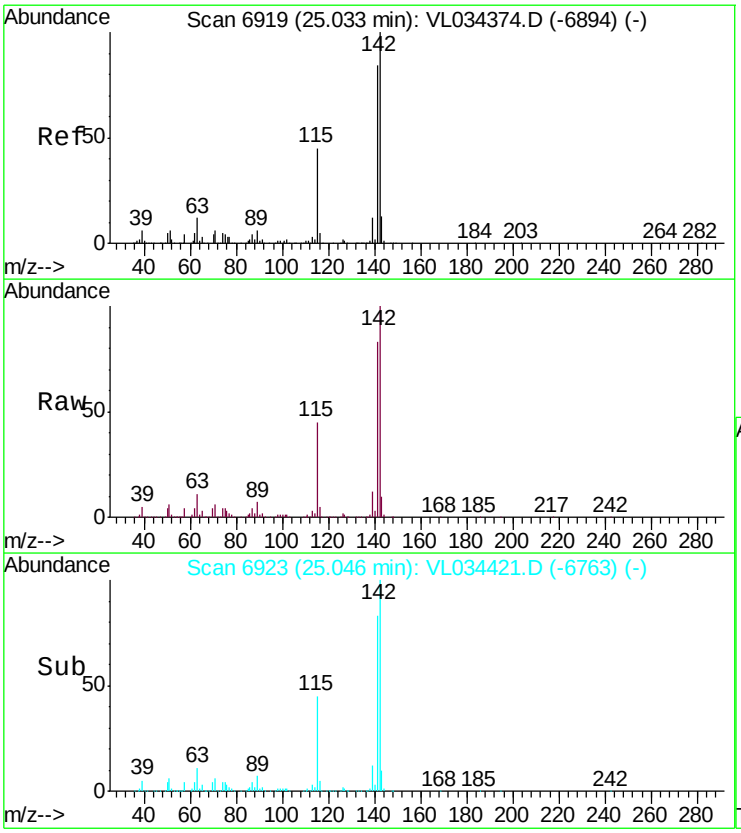
#79
Naphthalene
Concen: 9.392 ppbv
RT: 22.31 min Scan# 6071
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2595297

Ion	Ratio	Lower	Upper
128	100		
127	12.2	11.0	16.6
129	12.0	8.9	13.3

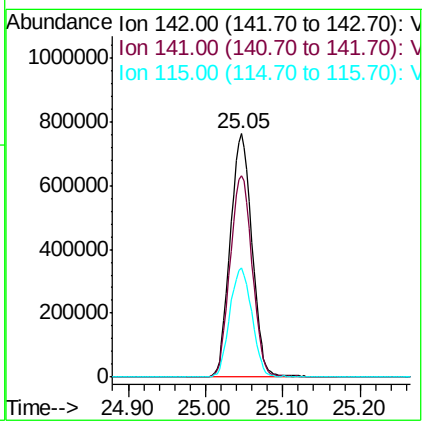


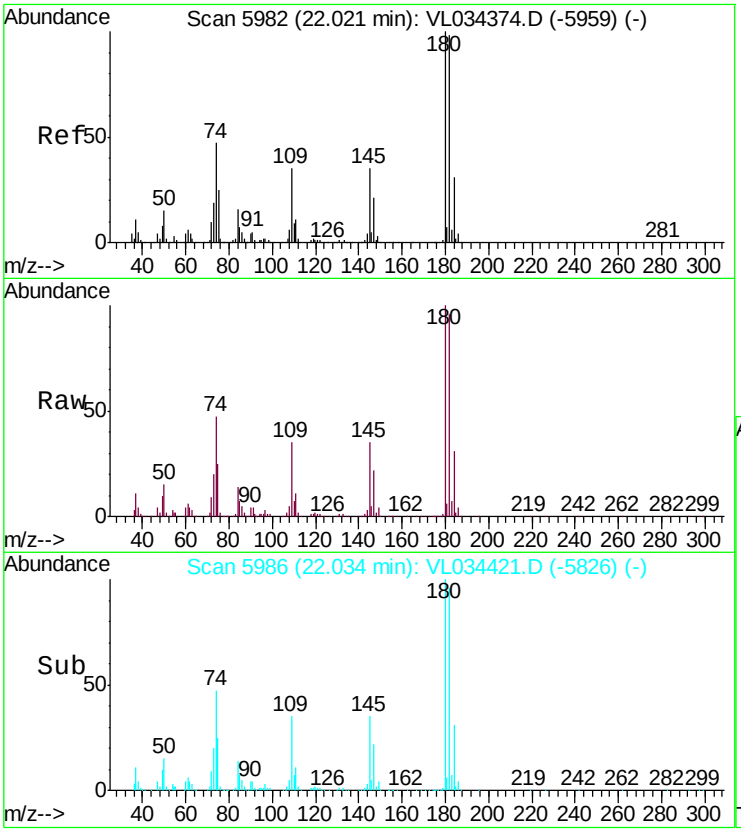


#80
Naphthalene,2-methyl-
Concen: 11.782 ppbv
RT: 25.05 min Scan# 6923
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Tgt Ion:142 Resp: 1470148

Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.1	100.7
115	45.7	36.6	54.8





#81
1,2,4-Trichlorobenzene
Concen: 9.259 ppbv
RT: 22.03 min Scan# 5986
Delta R.T. 0.01 min
Lab File: VL034421.D
Acq: 2 Dec 2019 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1571848

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	31.2	24.9	37.3