Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070219\

Quantitation Report (Not Reviewed)

Data File : VL033989.D
Acq On : 2 Jul 2019 13:40
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jul 02 16:27:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1134196	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.27	114	2912923	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.21	117	3673106	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	3010246	9.98	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	1976886	10.742	ppbv	99
3) Chlorodifluoromethane	3.00	51	1292000	9.676	ppbv	98
4) Chloromethane	3.16	50	731011	9.598	ppbv	95
5) Vinyl Chloride	3.27	62	801439	11.341	ppbv	98
6) Bromomethane	3.50	94	512355	10.913	ppbv	95
7) Chloroethane	3.58	64	308139	11.026	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2081037	10.580	ppbv	98
9) Propene	3.02	41	485539	9.718	ppbv	99
10) Heptane	8.22	43	1396514	11.059	ppbv	95
11) Trichlorofluoromethane	3.99	101	2278219	9.594	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1614826	10.062	ppbv	99
13) Ethanol	3.63	45	133441	8.209	ppbv	96
14) Bromoethene	3.77	108	685418	11.461	ppbv	99
15) Acetone	3.88	43	1536033	9.286	ppbv	100
16) 1,3-Butadiene	3.35	39	667218	10.597	ppbv	96
17) tert-Butyl alcohol	4.34	59	1440190	11.137	ppbv	99
18) 1,1-Dichloroethene	4.33	96	754277	11.127	ppbv	95
19) Isopropyl Alcohol	4.00	45	1141423	12.079	ppbv	100
20) Methylene Chloride	4.39	84	656540	10.178	ppbv	98
21) Allyl Chloride	4.46	41	1099977	11.706	ppbv	98
22) trans-1,2-Dichloroethene	4.94	96	768961	10.761	ppbv	97
23) Vinyl Acetate	5.13	43	2025087	10.532	ppbv	98
24) 1,1-Dichloroethane	5.07	63	1615539	10.803	ppbv	100
25) Ethyl Acetate	5.74	43	2596774	10.308	ppbv	99
26) Hexane	5.75	57	1177515	10.266	ppbv	97
27) Carbon Disulfide	4.60	76	1953689	12.260	ppbv	96
28) Methyl tert-Butyl Ether	5.09	73	2114278	12.190	ppbv	99
29) Chloroform	5.82	83	2077669	10.576	ppbv	100
30) Cyclohexane	7.22	84	982930	12.129	ppbv	97
31) cis-1,2-Dichloroethene	5.62	61	1239868	12.327	ppbv	99
32) 1,1,1-Trichloroethane	6.59	97	2100313	11.084	ppbv	98
34) 2-Butanone	5.31	43	1579008	9.609	ppbv	95
35) Carbon Tetrachloride	7.11	117	2227905	9.899	ppbv	99
36) Benzene	6.98	78	2437748	10.956	ppbv	99
37) 1,2-Dichloroethane	6.39	62	1652806	10.044	ppbv	98
38) Trichloroethene	7.93	130	1071793	12.371	ppbv	96
39) 1,2-Dichloropropane	7.71	63	883557	10.288	ppbv	97
40) 1,4-Dioxane	7.93	88	386436	11.033	ppbv #	1
41) Tetrahydrofuran	6.12	42	842428	10.100	ppbv	90
42) Bromodichloromethane	7.89	83	2275770	10.348	ppbv	98
43) Methyl Methacrylate	8.11	69	979905	11.775	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070219\

Quantitation Report (Not Reviewed)

Data File : VL033989.D
Acq On : 2 Jul 2019 13:40
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Jul 02 16:27:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	4084404	10.322	ppbv		100
45) t-1,3-Dichloropropene	9.38	75	1390715	12.736	ppbv		97
46) cis-1,3-Dichloropropene	8.81	75	1539311	12.304	ppbv		100
47) 1,1,2-Trichloroethane	9.59	97	1069942	10.451	ppbv		99
48) Dibromochloromethane	10.42	129	1993785	10.837	ppbv		99
49) Bromoform	13.17	173	1825285	11.238	ppbv		99
50) 4-Methyl-2-Pentanone	8.84	43	2432923	9.928	ppbv		96
51) 2-Hexanone	10.24	43	1994424	10.423	ppbv		95
52) Tetrachloroethene	11.34	164	1032574	13.188	ppbv		95
53) Toluene	9.91	91	2996276	12.168	ppbv		99
54) 1,2-Dibromoethane	10.73	107	1661328	10.765	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.25	131	1308672	8.156	ppbv		99
57) Chlorobenzene	12.27	112	2297580	8.352	ppbv		98
58) Ethyl Benzene	12.83	91	4034934	9.743	ppbv		99
59) m/p-Xylene	13.12	91	3670093	9.746	ppbv	#	42
60) o-Xylene	13.82	91	3352791	8.623	ppbv		99
61) Styrene	13.65	104	2528650	10.049	ppbv		99
62) Isopropylbenzene	14.79	105	6017573	11.483	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.81	83	2349070	8.026	ppbv		98
64) n-propylbenzene	15.69	120	1566880	11.676	ppbv		100
65) tert-Butylbenzene	16.87	119	5463716	11.268	ppbv		99
66) Benzyl Chloride	17.12	91	3094781	12.594	ppbv		100
67) sec-Butylbenzene	17.43	105	7518331	11.052	ppbv		100
69) p-Isopropyltoluene	17.78	119	6252804	11.047	ppbv		100
70) n-Butylbenzene	18.68	91	6523775	10.523	ppbv		99
71) 2-Chlorotoluene	15.58	91	4612311	11.947	ppbv		99
72) 4-Ethyltoluene	15.97	105	5190529	11.731	ppbv		99
73) 1,3,5-Trimethylbenzene	16.12	105	5076509	11.648	ppbv		99
74) 1,2,4-Trimethylbenzene	16.89	105	5329208	10.609	ppbv		98
75) 1,3-Dichlorobenzene	17.14	146	3184850	10.124	ppbv		99
76) 1,4-Dichlorobenzene	17.27	146	3091337	10.702	ppbv		99
77) 1,2-Dichlorobenzene	17.95	146	3003404	10.346	ppbv		99
78) Hexachloro-1,3-Butadiene	23.51	225	2237526	9.868	ppbv		99
79) Naphthalene	22.37	128	4758556	11.851	ppbv		98
80) Naphthalene,2-methyl-	25.09	142	1629060	10.169	ppbv		97
81) 1,2,4-Trichlorobenzene	22.10	180	2849162	11.239	ppbv		100

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

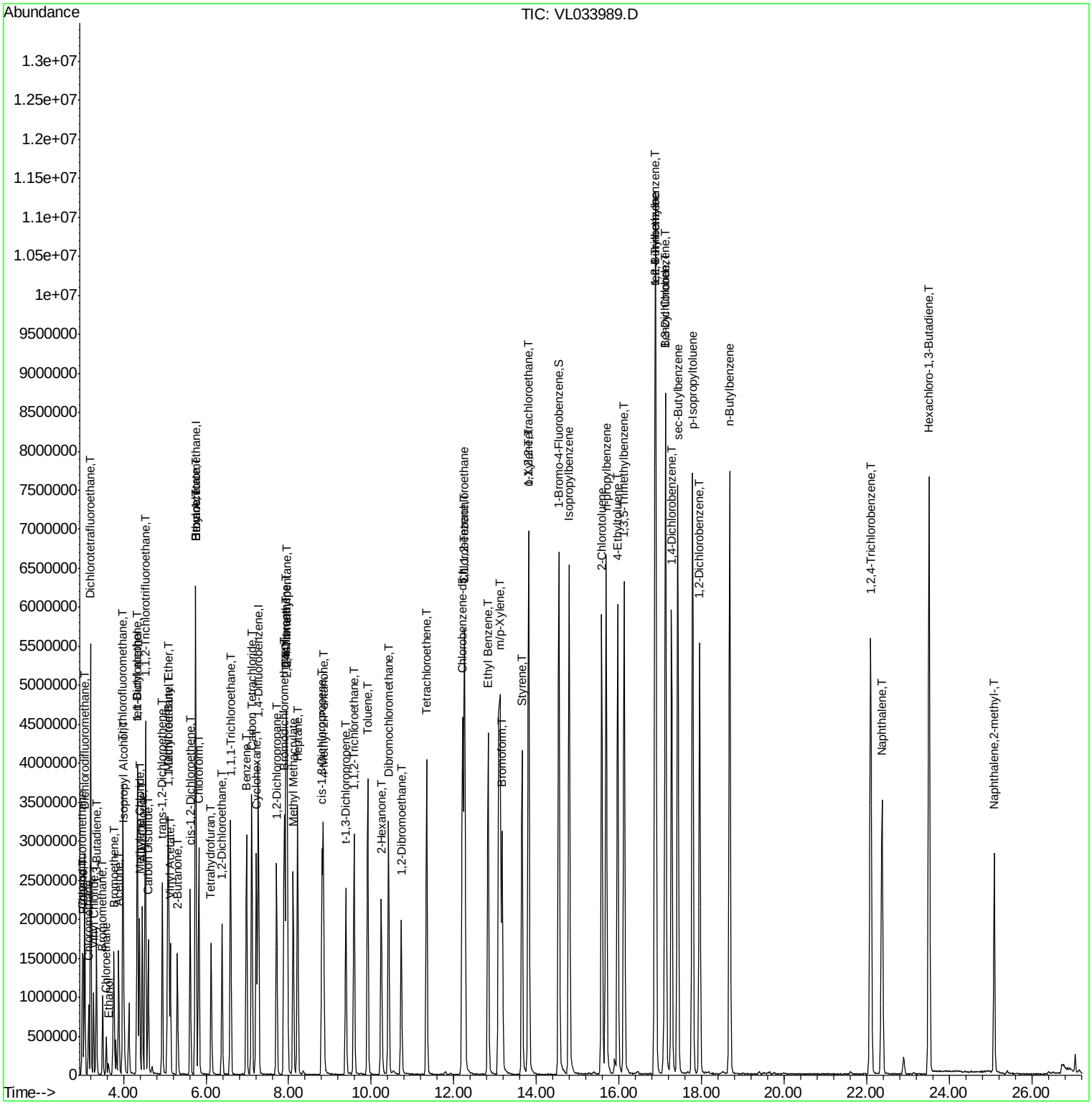
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070219\

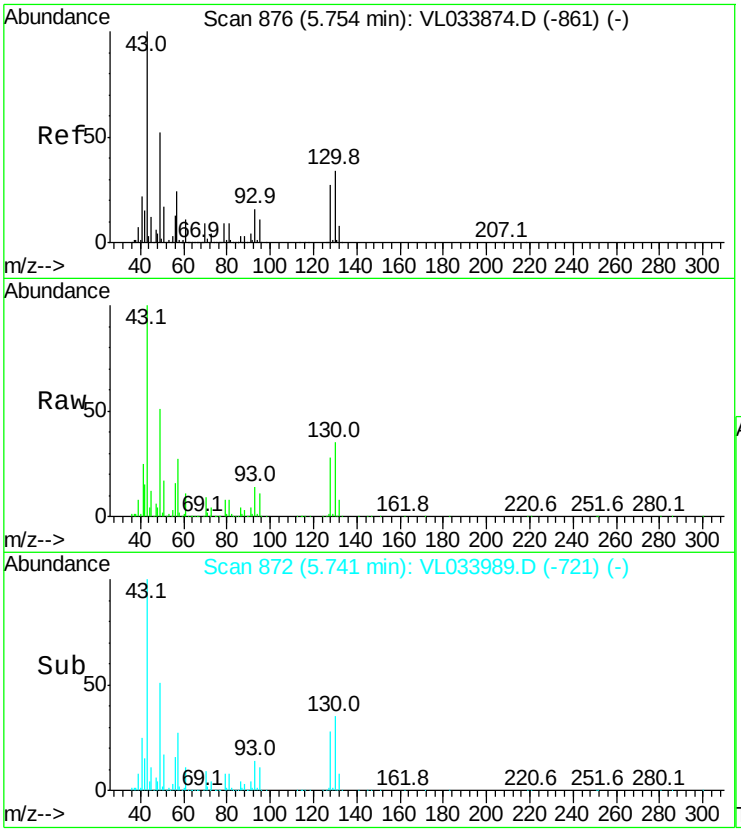
Quantitation Report (Not Reviewed)

Data File : VL033989.D
Acq On : 2 Jul 2019 13:40
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Jul 02 16:27:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration



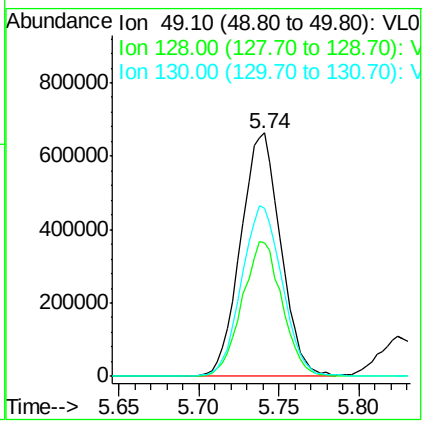


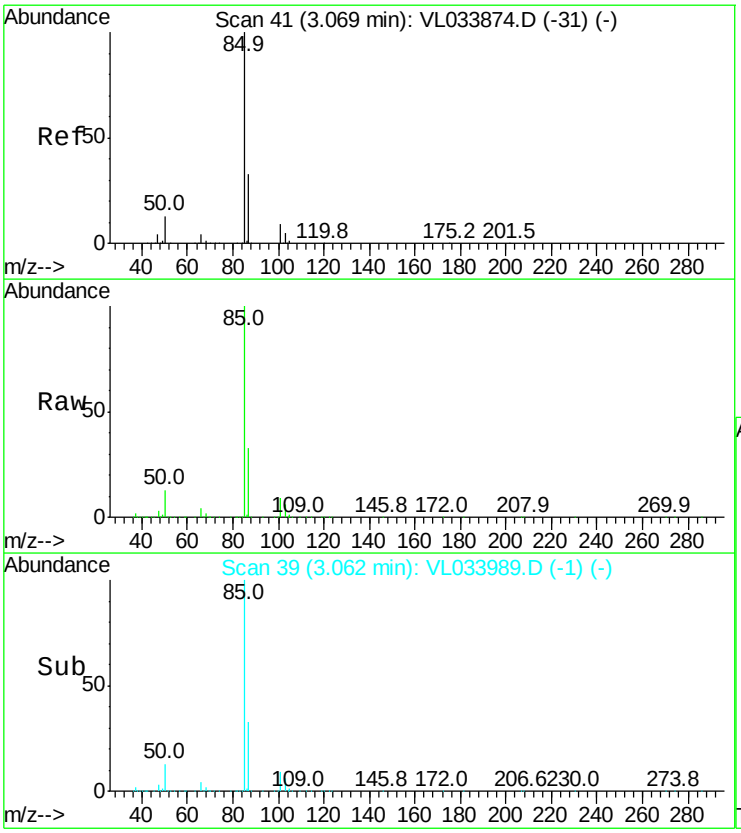
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.74 min Scan# 872
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1134196

Ion	Ratio	Lower	Upper
49	100		
128	55.7	25.5	76.5
130	71.6	32.5	97.4

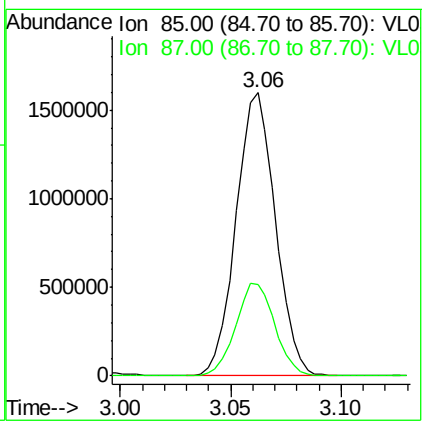


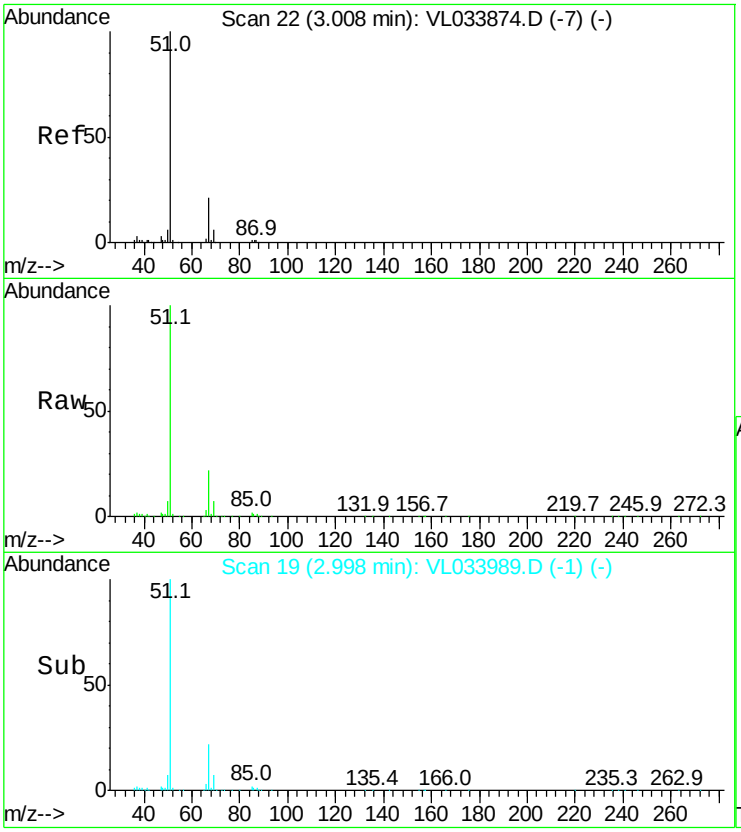


#2
Dichlorodifluoromethane
Concen: 10.742 ppbv
RT: 3.06 min Scan# 39
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 85 Resp: 1976886

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.6	40.0



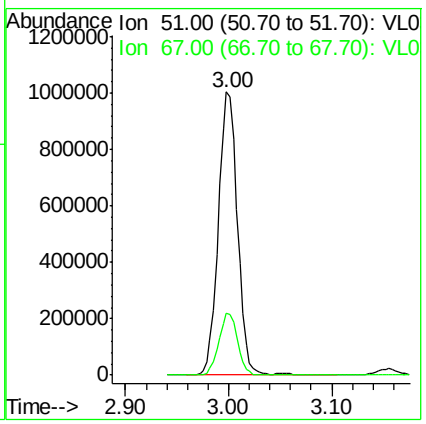


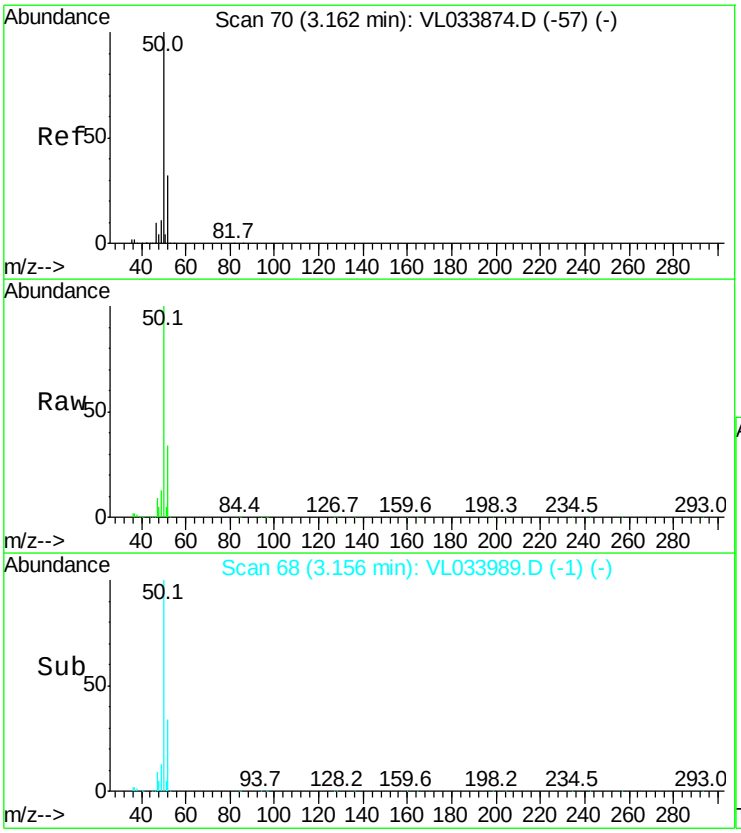
#3
Chlorodifluoromethane
Concen: 9.676 ppbv
RT: 3.00 min Scan# 19
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 1292000

Ion	Ratio	Lower	Upper
51	100		
67	21.6	16.4	24.6

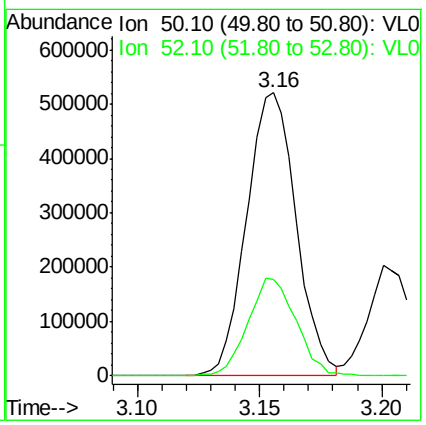


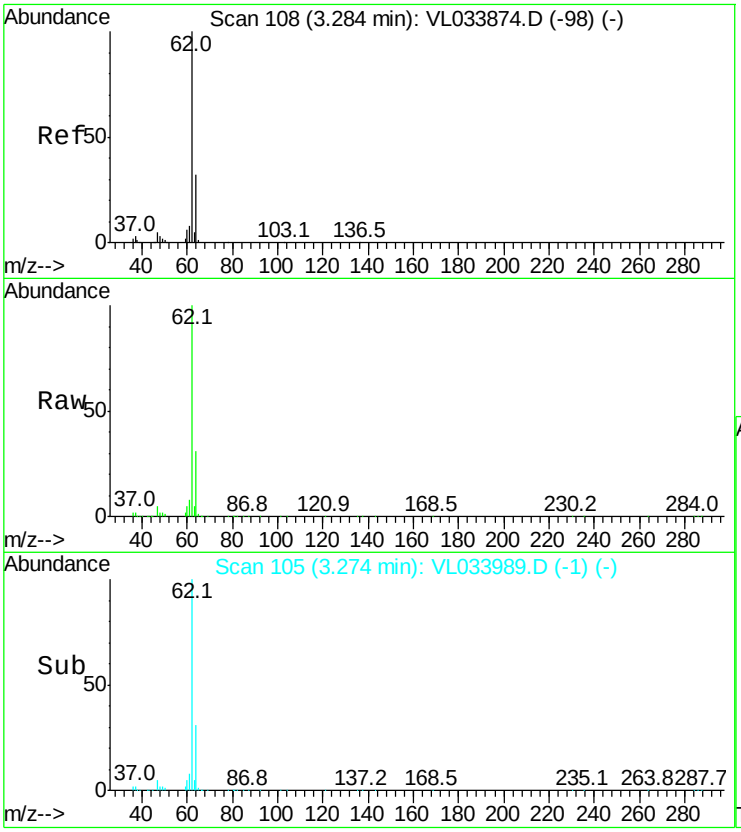


#4
Chloromethane
Concen: 9.598 ppbv
RT: 3.16 min Scan# 68
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 50 Resp: 731011

Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.4	38.0



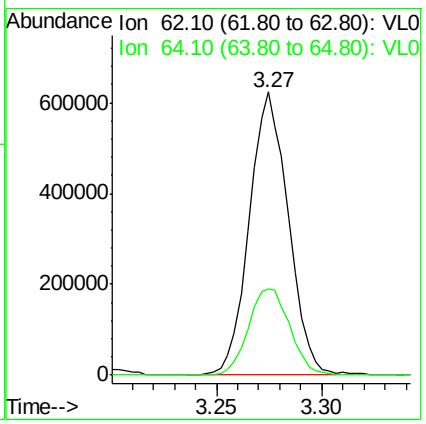


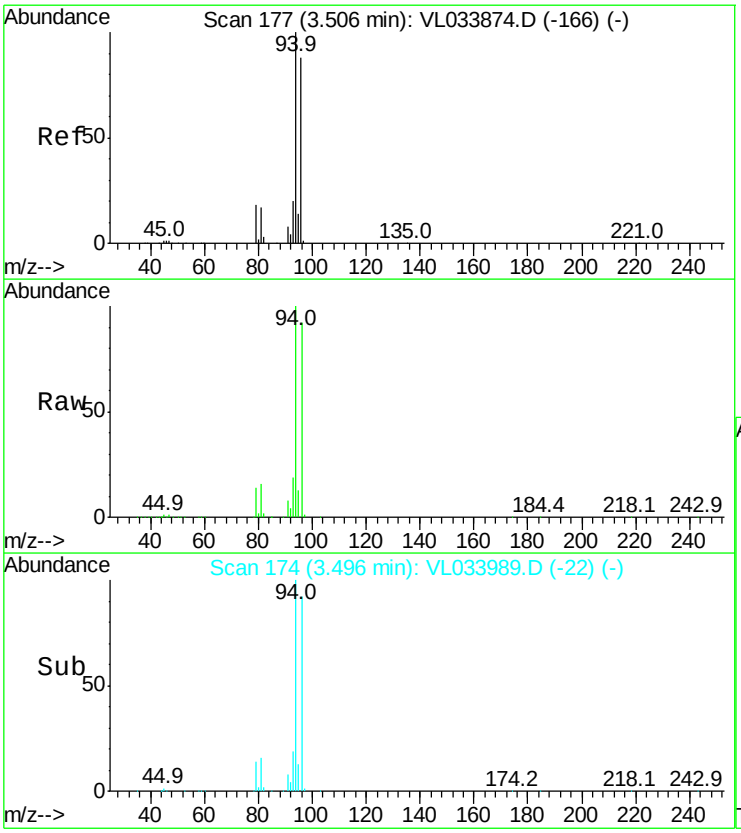
#5
Vinyl Chloride
Concen: 11.341 ppbv
RT: 3.27 min Scan# 105
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 801439

Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.2	37.8

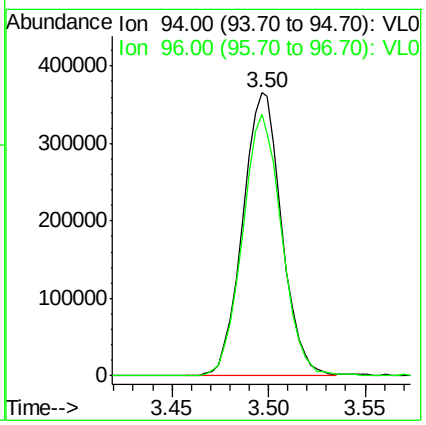


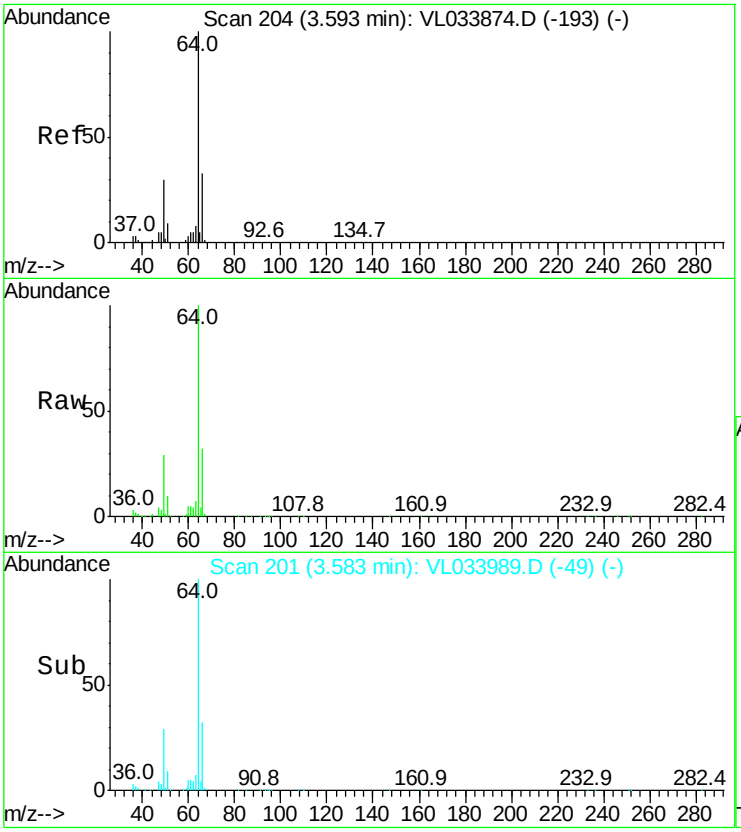


#6
Bromomethane
Concen: 10.913 ppbv
RT: 3.50 min Scan# 174
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 94 Resp: 512355

Ion	Ratio	Lower	Upper
94	100		
96	92.3	70.2	105.2



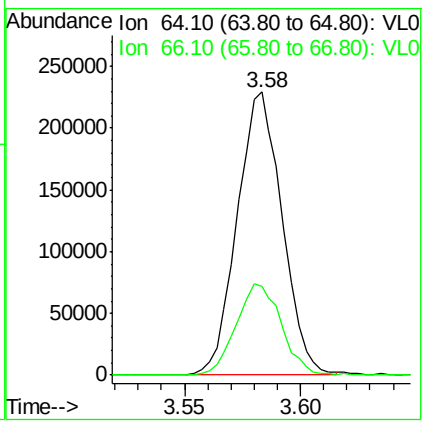


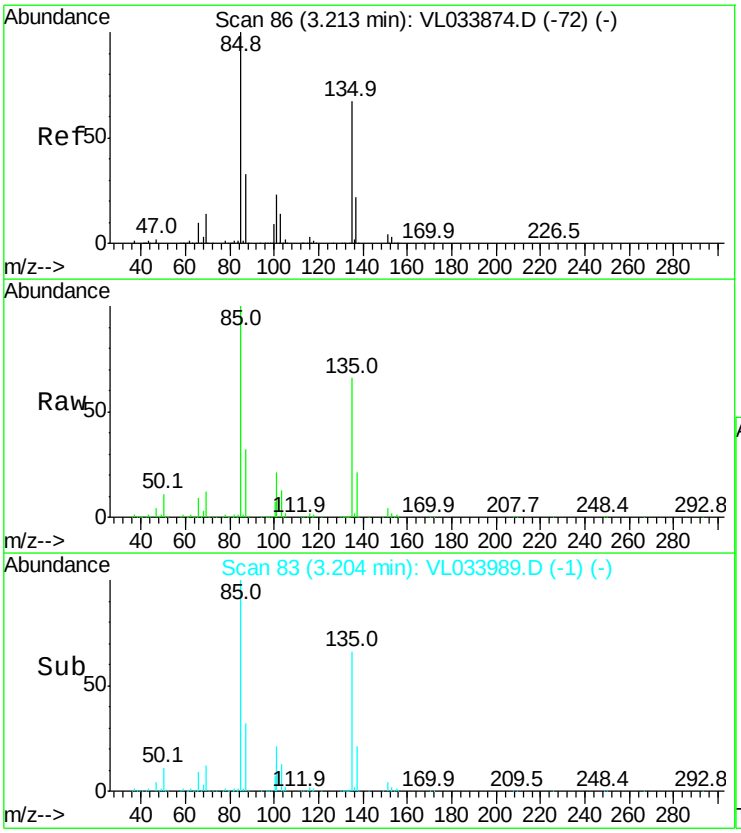
#7
Chloroethane
Concen: 11.026 ppbv
RT: 3.58 min Scan# 201
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 308139

Ion	Ratio	Lower	Upper
64	100		
66	31.6	26.7	40.1

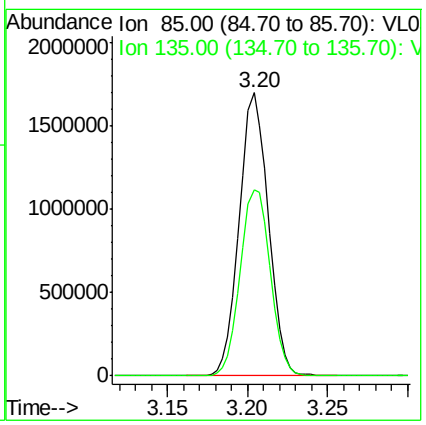


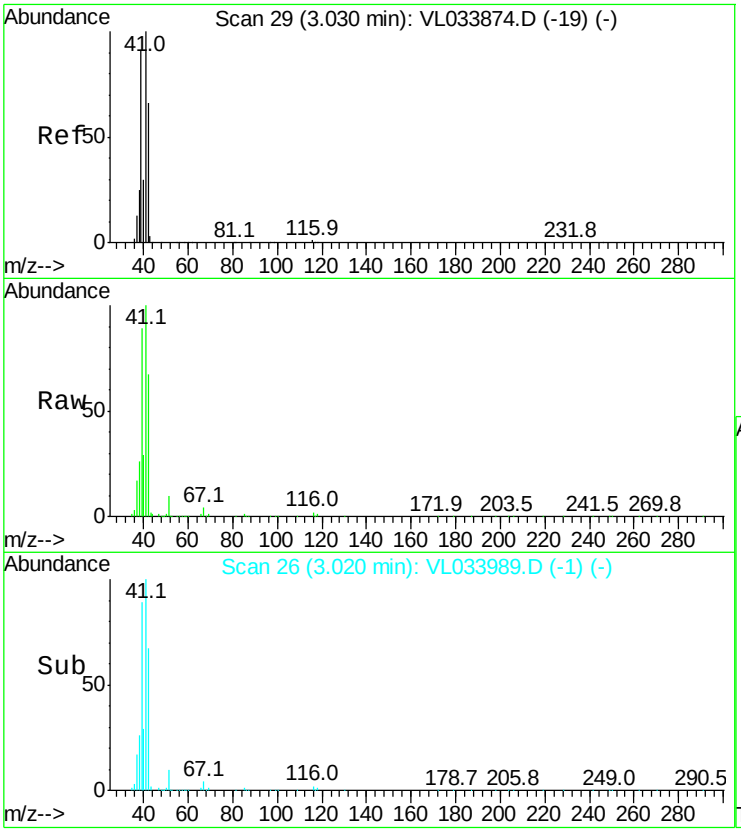


#8
Dichlorotetrafluoroethane
Concen: 10.580 ppbv
RT: 3.20 min Scan# 83
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 85 Resp: 2081037

Ion	Ratio	Lower	Upper
85	100		
135	68.7	53.7	80.5



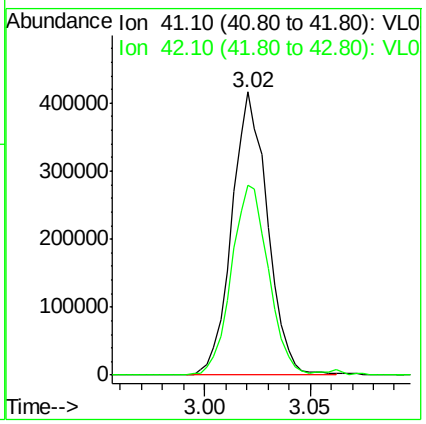


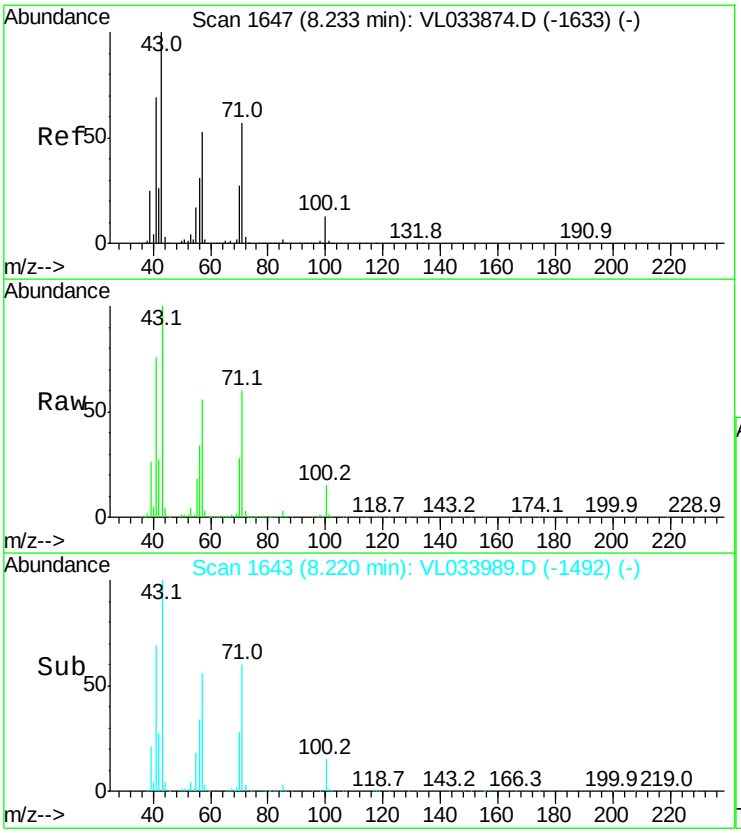
#9
Propene
Concen: 9.718 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 485539

Ion	Ratio	Lower	Upper
41	100		
42	71.4	56.3	84.5

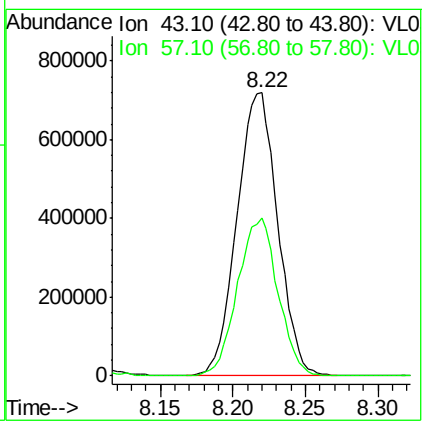


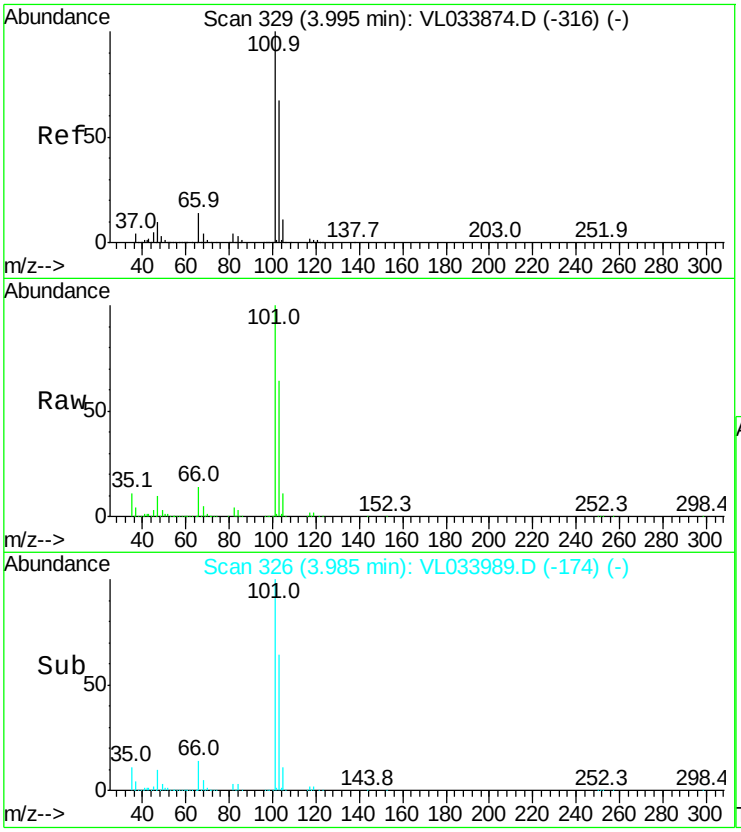


#10
Heptane
Concen: 11.059 ppbv
RT: 8.22 min Scan# 1643
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 43 Resp: 1396514

Ion	Ratio	Lower	Upper
43	100		
57	55.7	41.7	62.5



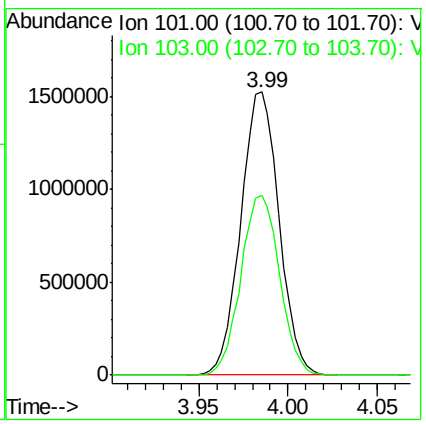


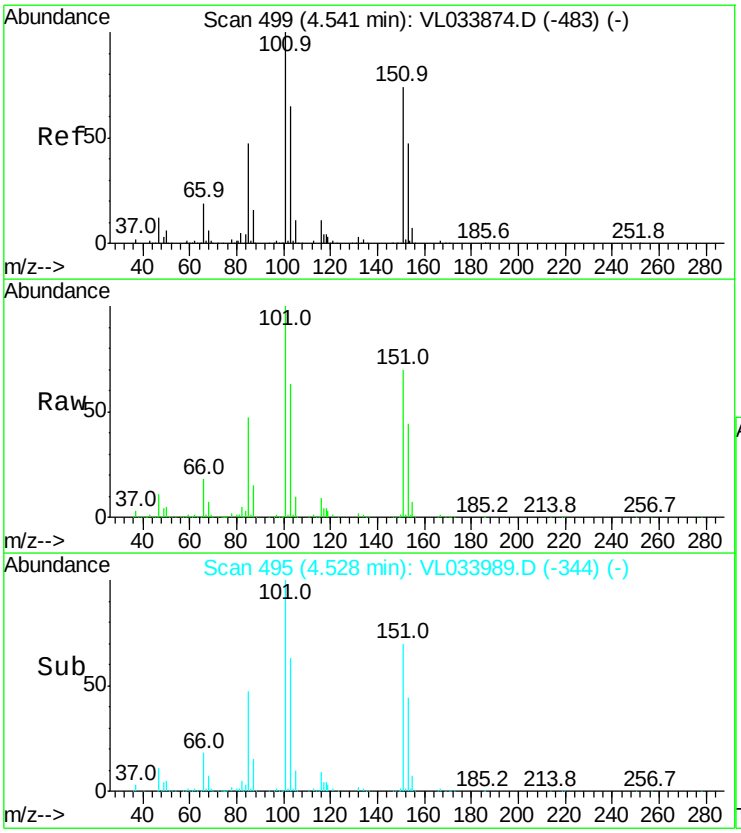
#11
Trichlorofluoromethane
Concen: 9.594 ppbv
RT: 3.99 min Scan# 326
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2278219

Ion	Ratio	Lower	Upper
101	100		
103	63.5	53.6	80.4

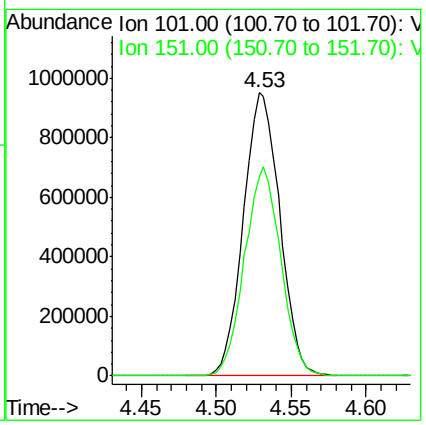


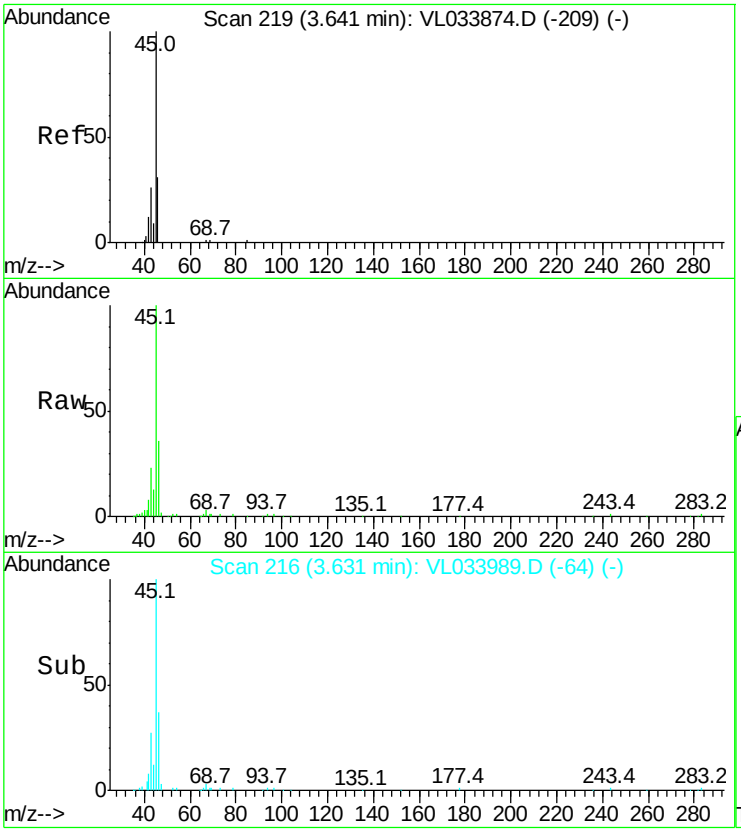


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.062 ppbv
RT: 4.53 min Scan# 495
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:101 Resp: 1614826

Ion	Ratio	Lower	Upper
101	100		
151	73.7	58.6	87.8



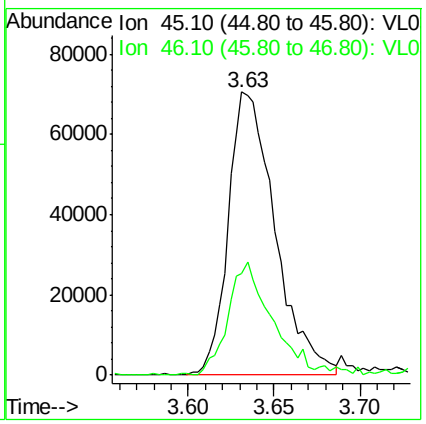


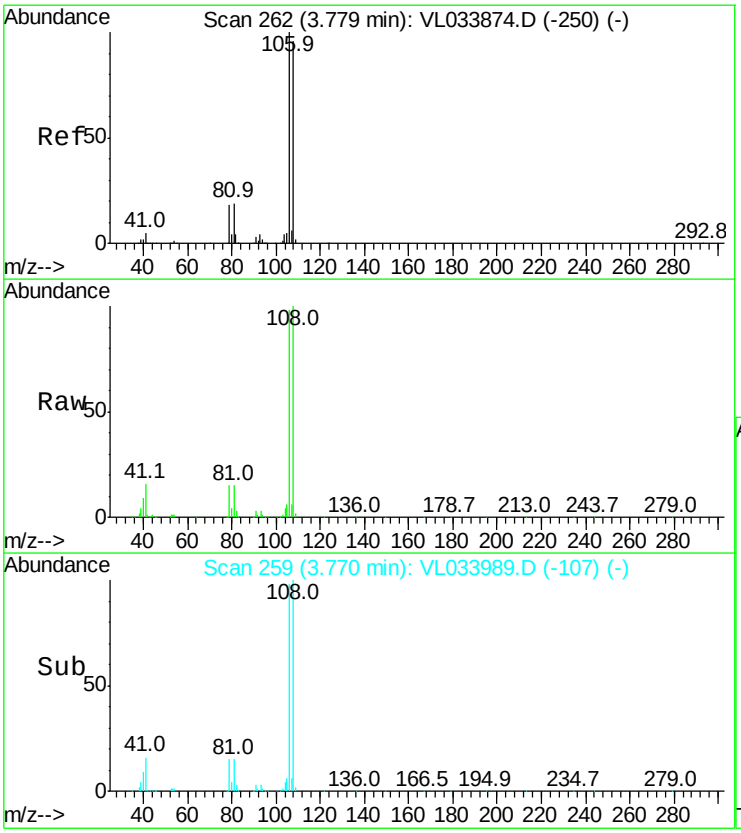
#13
Ethanol
Concen: 8.209 ppbv
RT: 3.63 min Scan# 216
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 133441

Ion	Ratio	Lower	Upper
45	100		
46	40.4	15.3	61.1

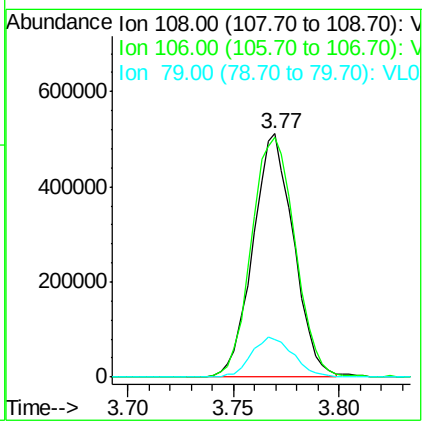


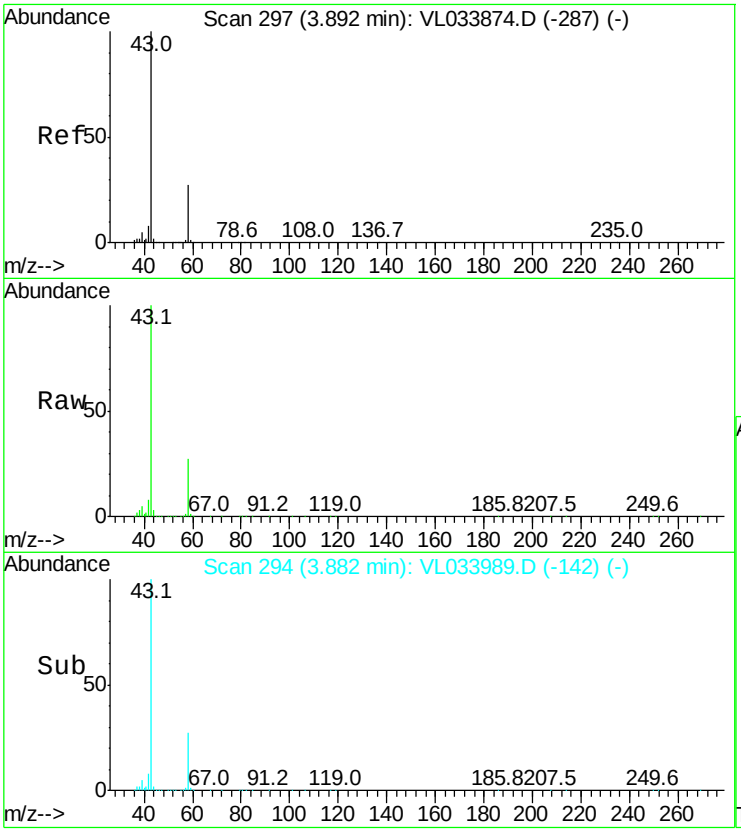


#14
Bromoethene
Concen: 11.461 ppbv
RT: 3.77 min Scan# 259
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:108 Resp: 685418

Ion	Ratio	Lower	Upper
108	100		
106	107.0	84.9	127.3
79	17.5	15.4	23.0



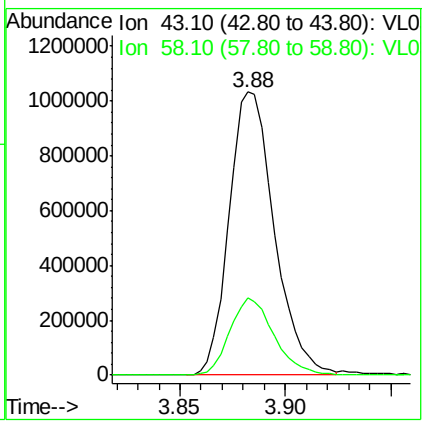


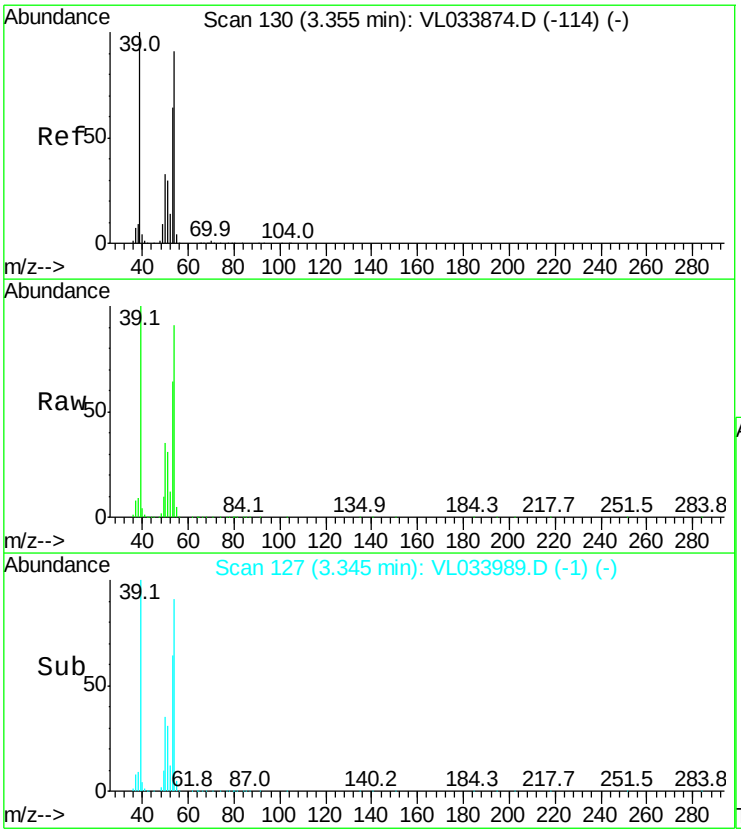
#15
Acetone
Concen: 9.286 ppbv
RT: 3.88 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1536033

Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.3	31.9

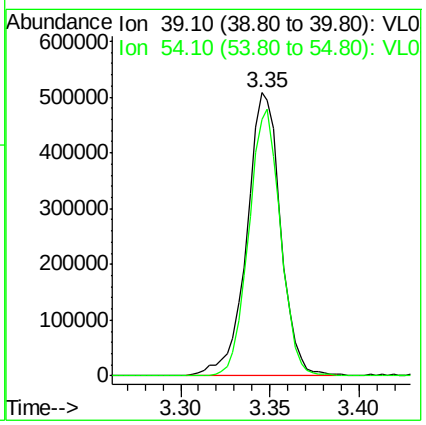


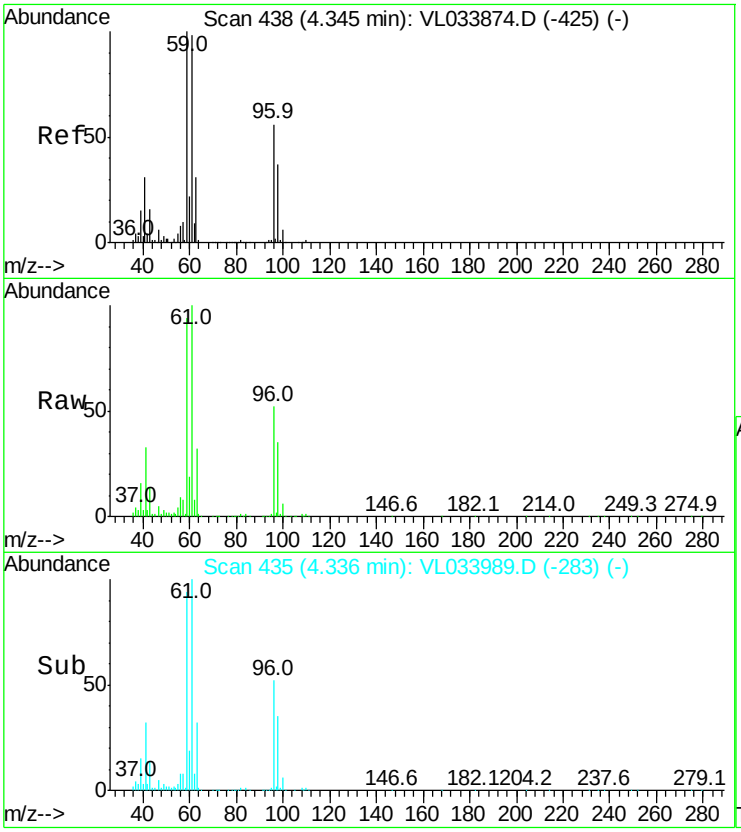


#16
1,3-Butadiene
Concen: 10.597 ppbv
RT: 3.35 min Scan# 127
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 39 Resp: 667218

Ion	Ratio	Lower	Upper
39	100		
54	89.3	68.6	103.0



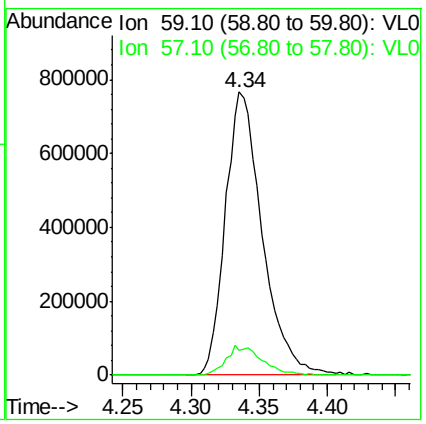


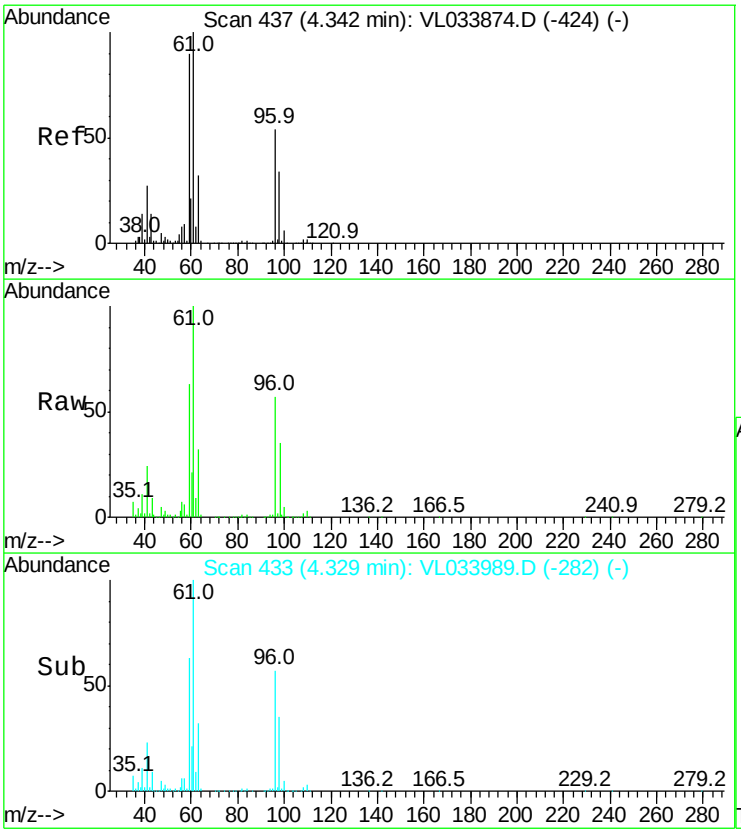
#17
tert-Butyl alcohol
Concen: 11.137 ppbv
RT: 4.34 min Scan# 435
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1440190

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

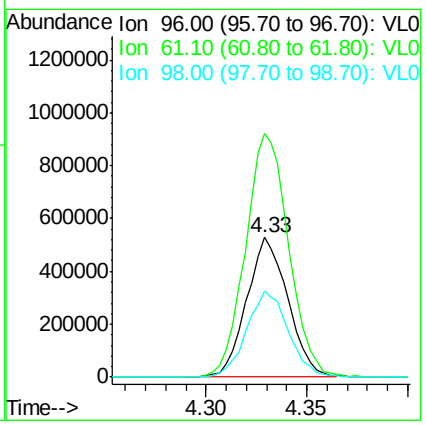


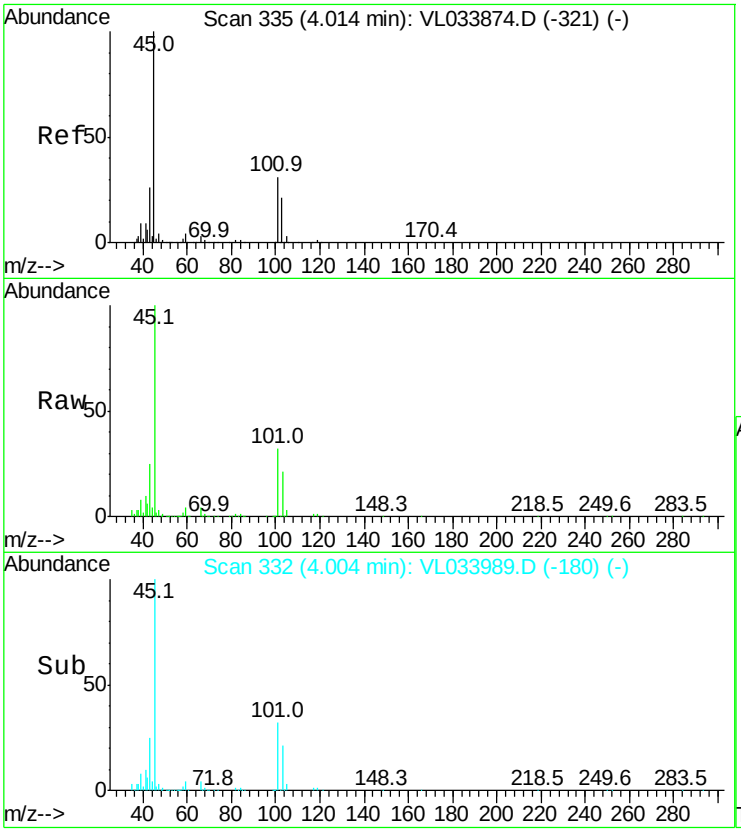


#18
1,1-Dichloroethene
Concen: 11.127 ppbv
RT: 4.33 min Scan# 433
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 96 Resp: 754277

Ion	Ratio	Lower	Upper
96	100		
61	174.2	147.0	220.6
98	61.7	49.4	74.0



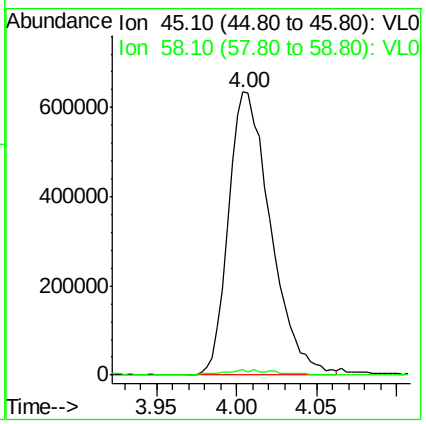


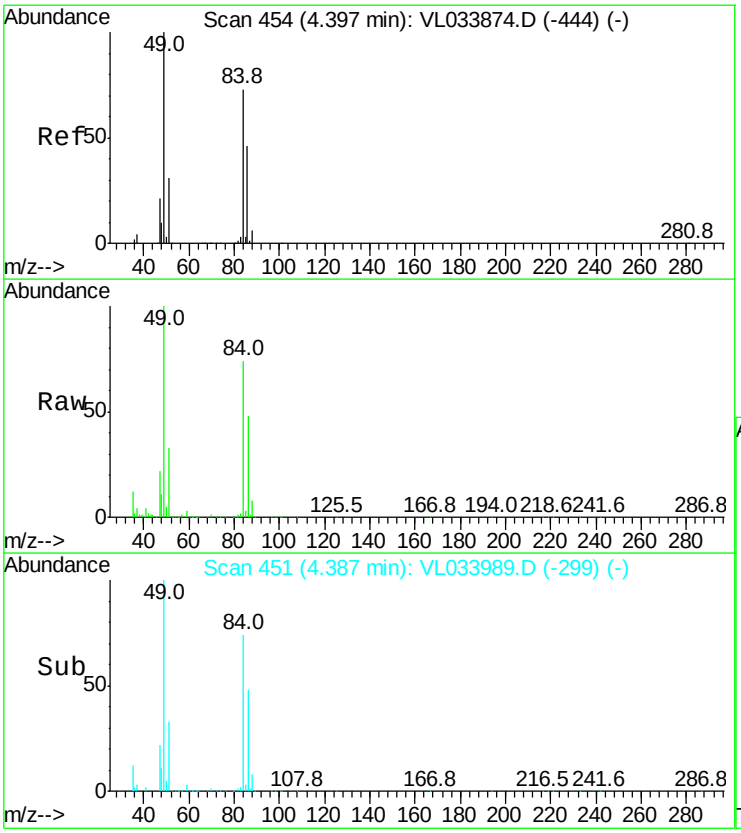
#19
Isopropyl Alcohol
Concen: 12.079 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 1141423

Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.8	2.6

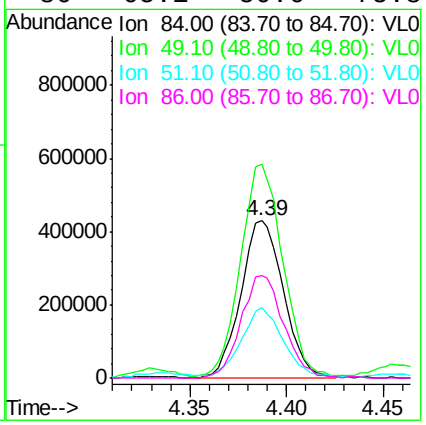


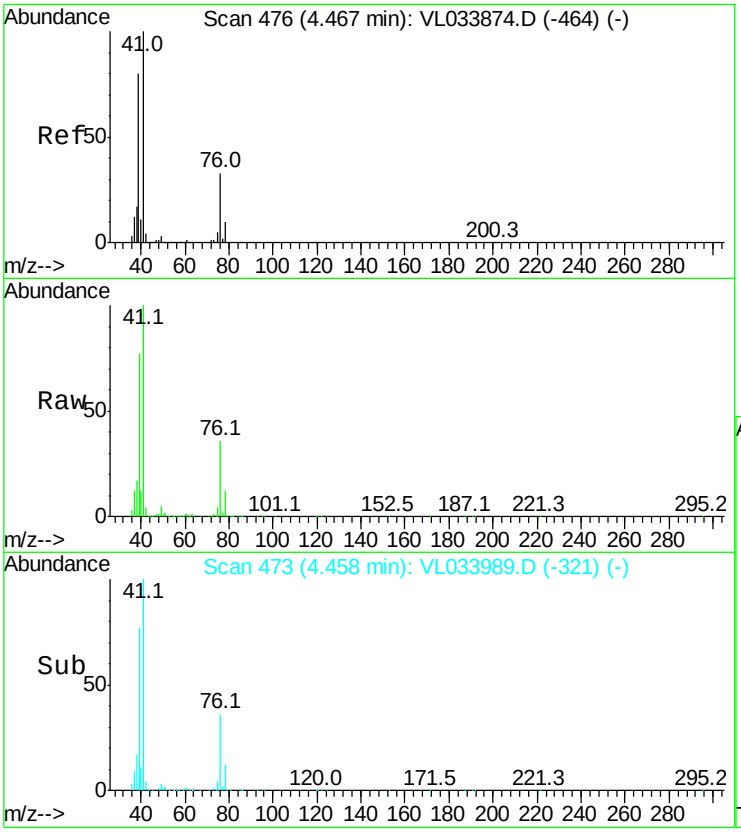


#20
Methylene Chloride
Concen: 10.178 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 84 Resp: 656540

Ion	Ratio	Lower	Upper
84	100		
49	134.5	110.0	165.0
51	43.8	34.6	51.8
86	65.1	50.6	75.8



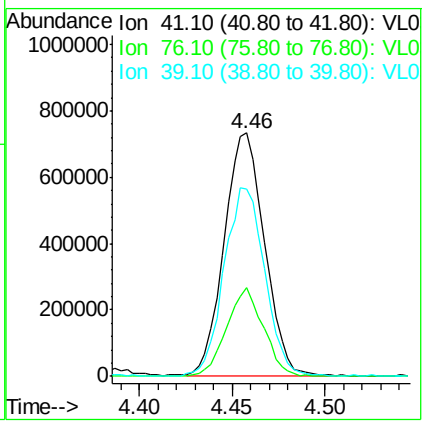


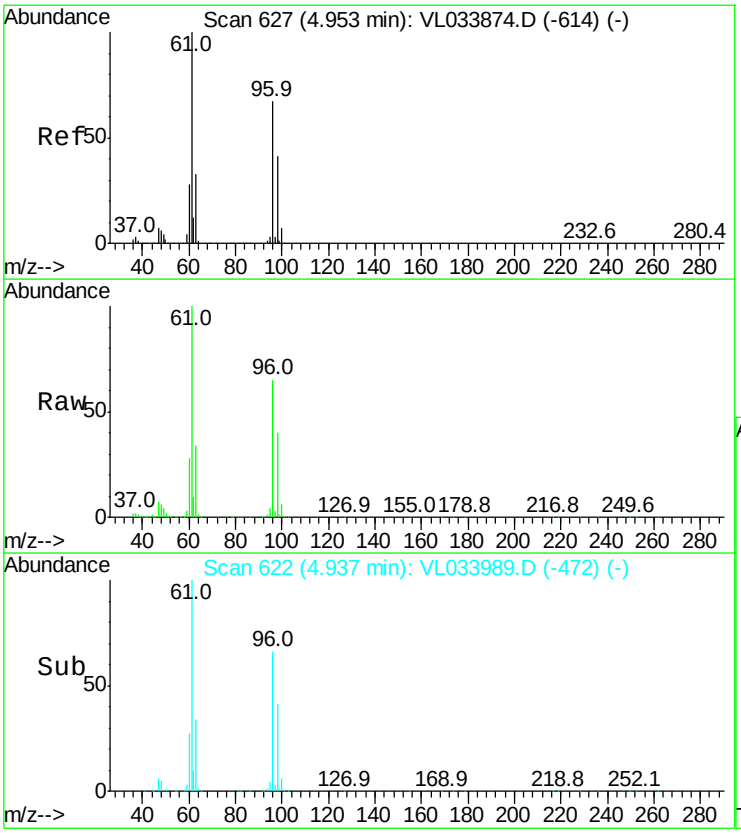
#21
Allyl Chloride
Concen: 11.706 ppbv
RT: 4.46 min Scan# 473
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 41 Resp: 1099977

Ion	Ratio	Lower	Upper
41	100		
76	33.5	26.6	39.8
39	78.9	65.2	97.8

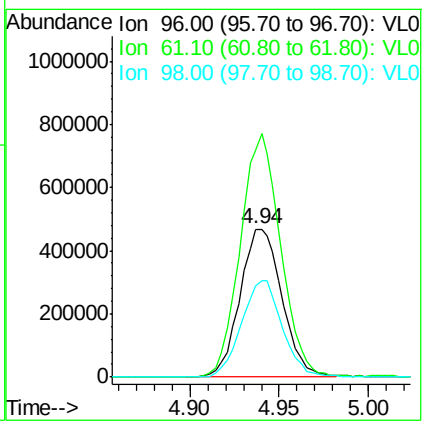


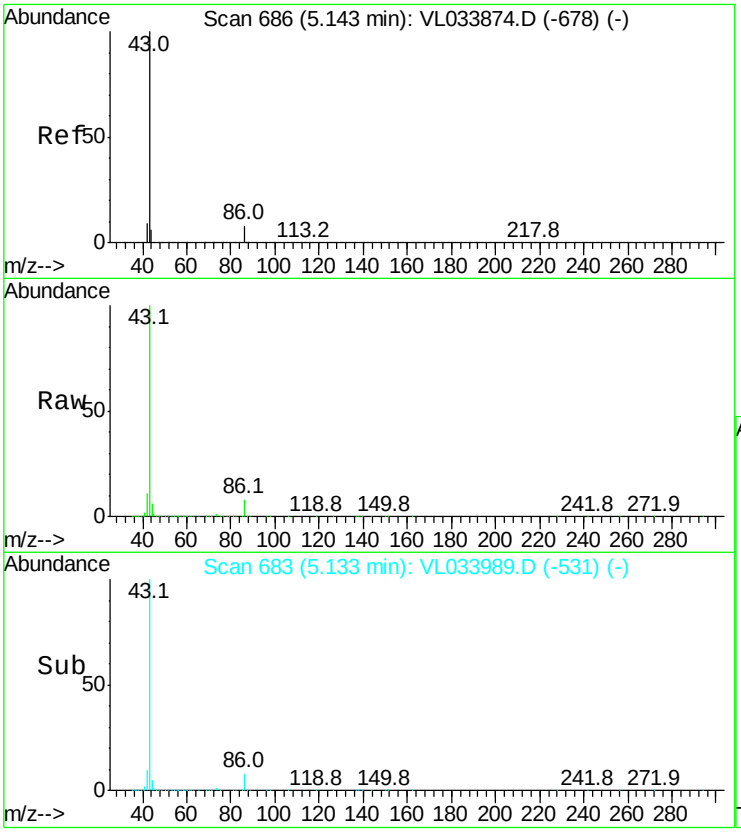


#22
trans-1,2-Dichloroethene
Concen: 10.761 ppbv
RT: 4.94 min Scan# 622
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 96 Resp: 768961

Ion	Ratio	Lower	Upper
96	100		
61	153.6	119.0	178.6
98	62.0	48.3	72.5



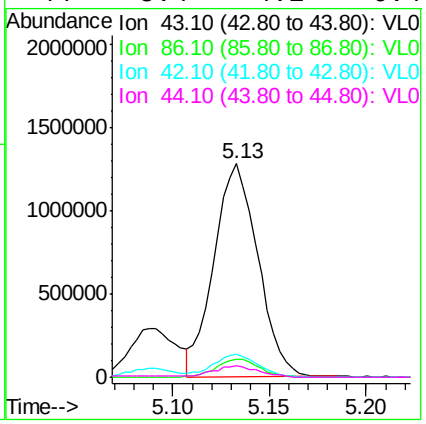


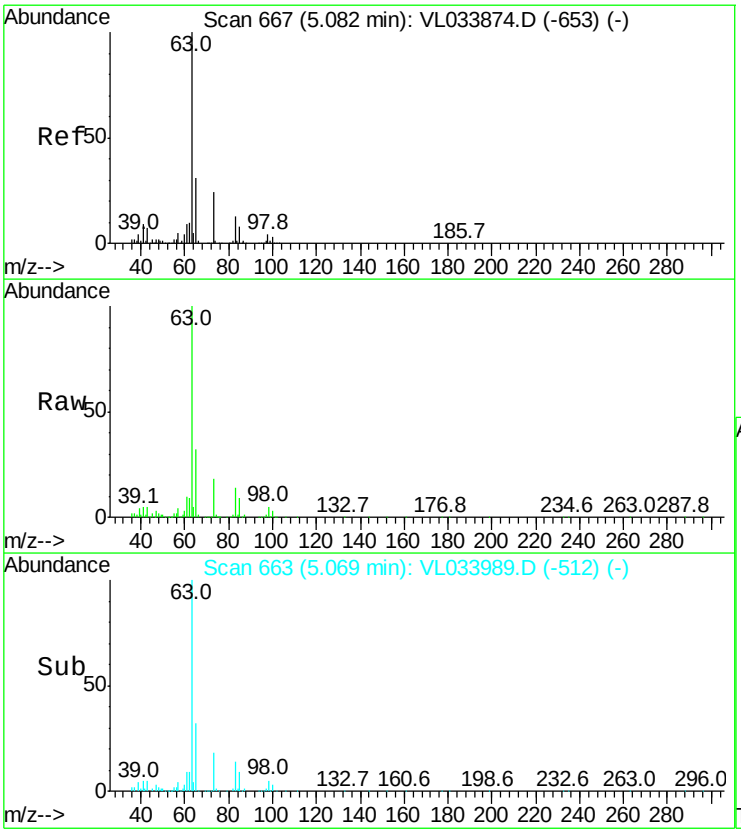
#23
Vinyl Acetate
Concen: 10.532 ppbv
RT: 5.13 min Scan# 683
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2025087

Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.8	8.8
42	10.4	7.8	11.8
44	5.4	4.2	6.4

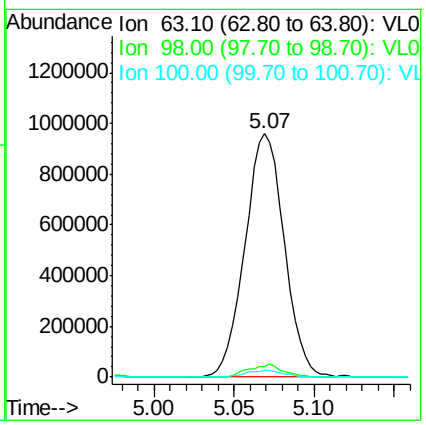


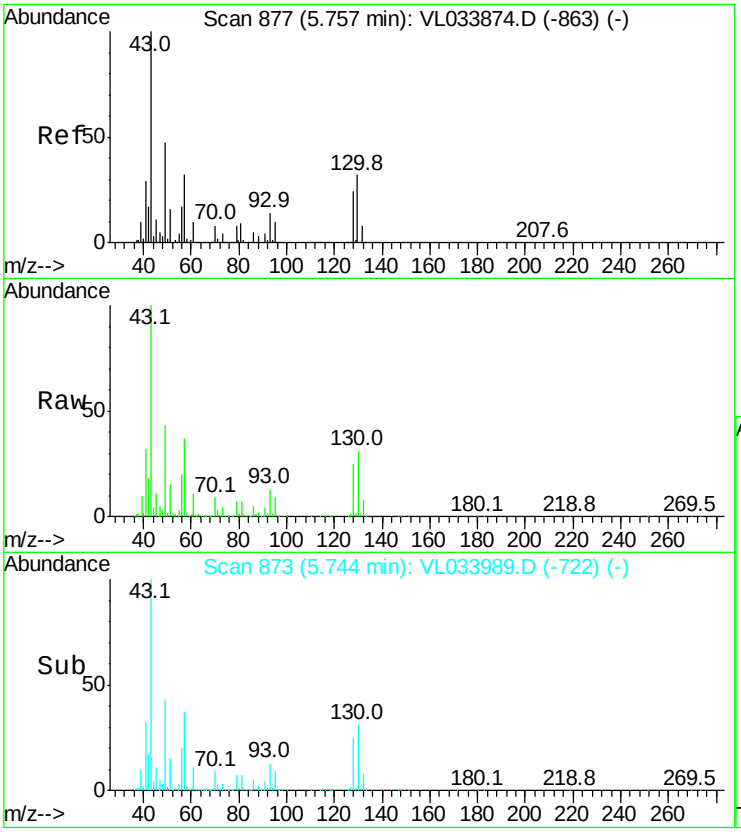


#24
1,1-Dichloroethane
Concen: 10.803 ppbv
RT: 5.07 min Scan# 663
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 63 Resp: 1615539

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	2.8	1.3	3.8



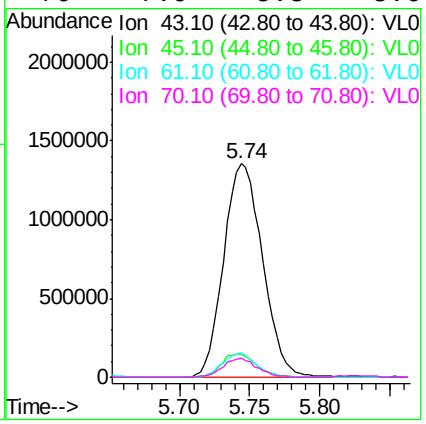


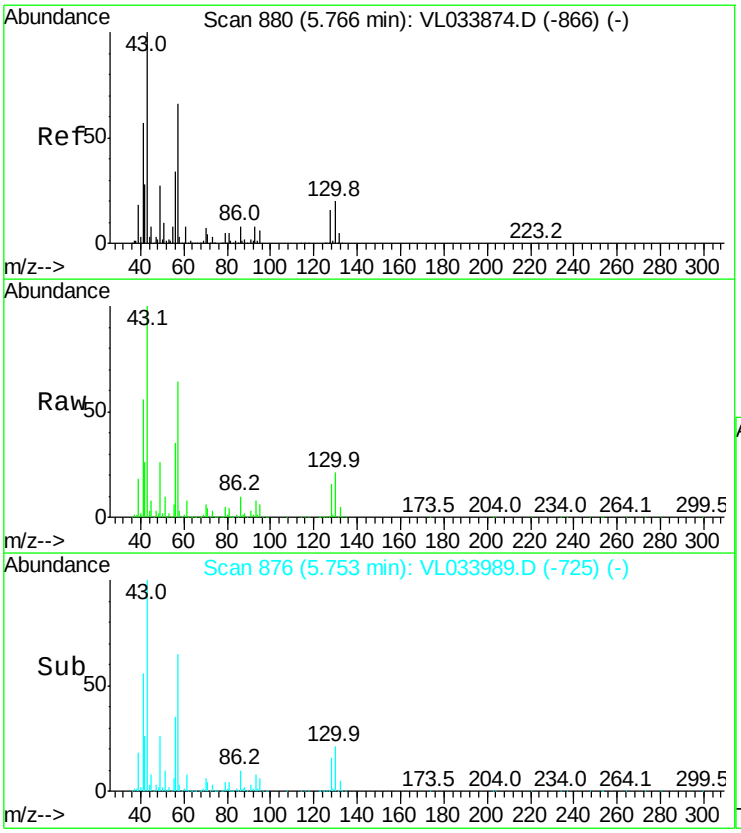
#25
Ethyl Acetate
Concen: 10.308 ppbv
RT: 5.74 min Scan# 873
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2596774

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	10.1	7.8	11.6
70	7.9	5.8	8.6

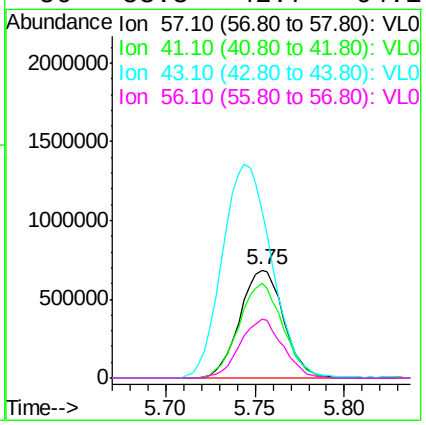


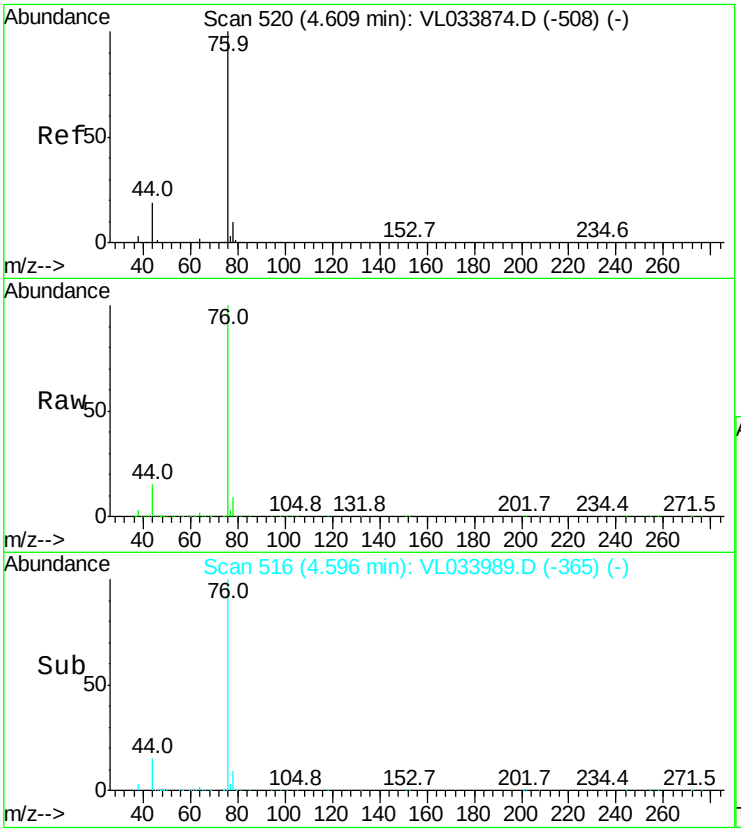


#26
Hexane
Concen: 10.266 ppbv
RT: 5.75 min Scan# 876
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 57 Resp: 1177515

Ion	Ratio	Lower	Upper
57	100		
41	88.2	71.4	107.2
43	222.0	183.7	275.5
56	53.3	42.7	64.1



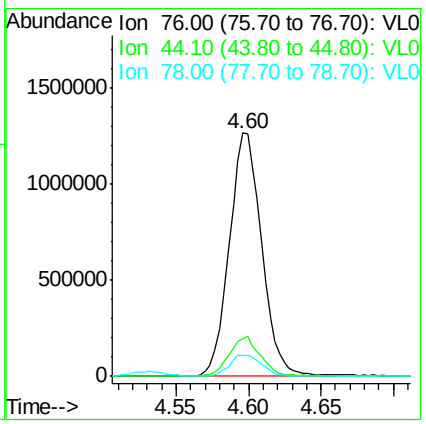


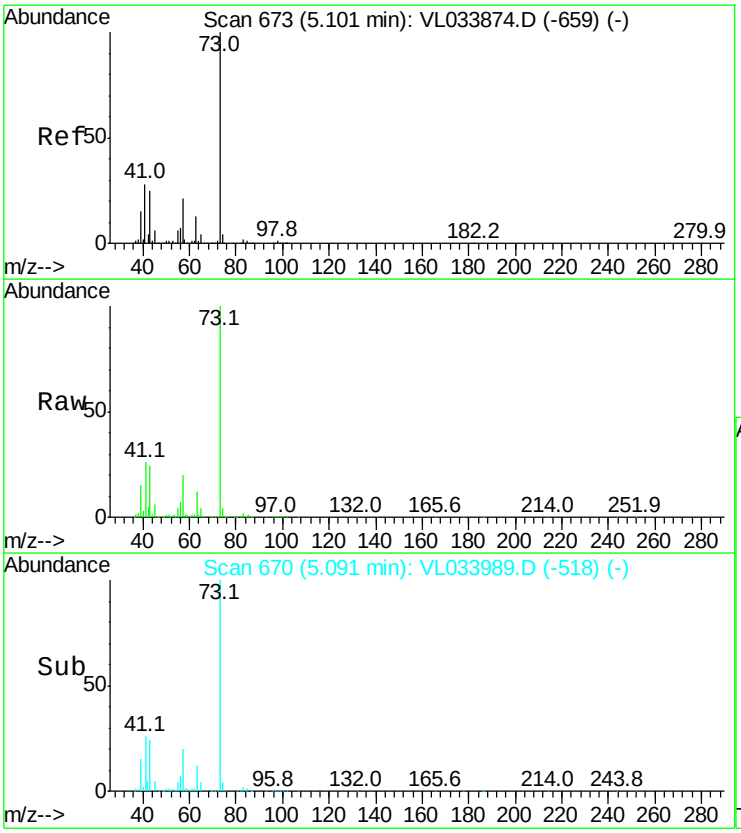
#27
Carbon Disulfide
Concen: 12.260 ppbv
RT: 4.60 min Scan# 516
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 76 Resp: 1953689

Ion	Ratio	Lower	Upper
76	100		
44	15.7	14.4	21.6
78	9.0	7.5	11.3

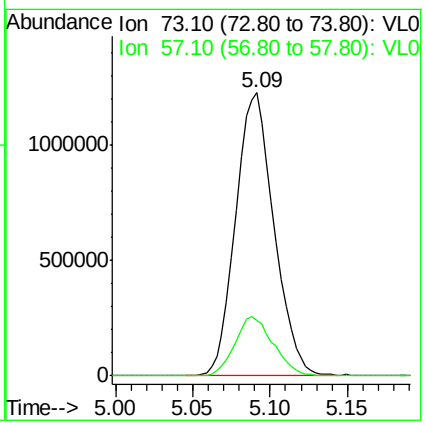


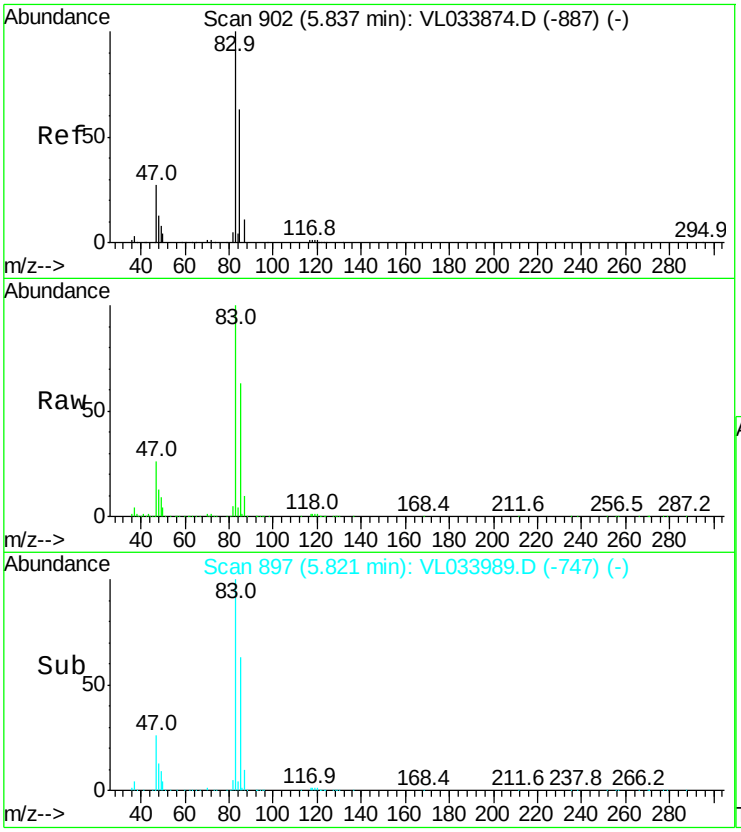


#28
Methyl tert-Butyl Ether
Concen: 12.190 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 73 Resp: 2114278

Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.2	25.8



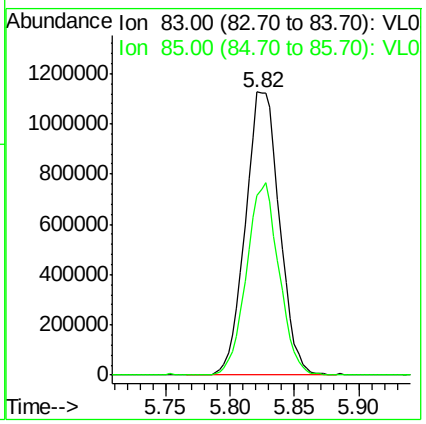


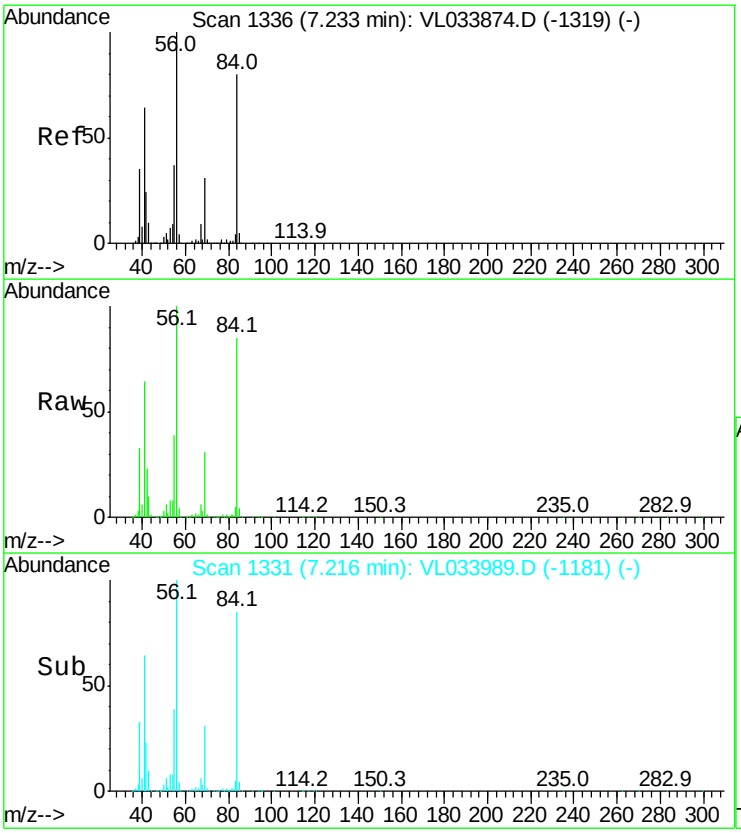
#29
Chloroform
Concen: 10.576 ppbv
RT: 5.82 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2077669

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7

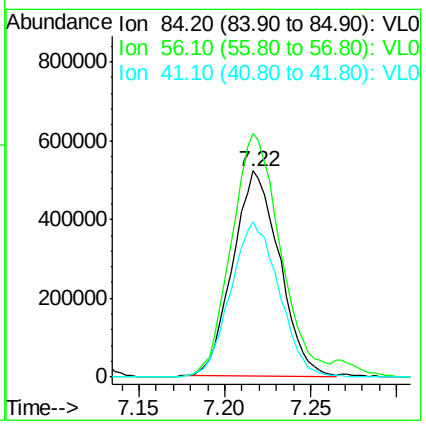


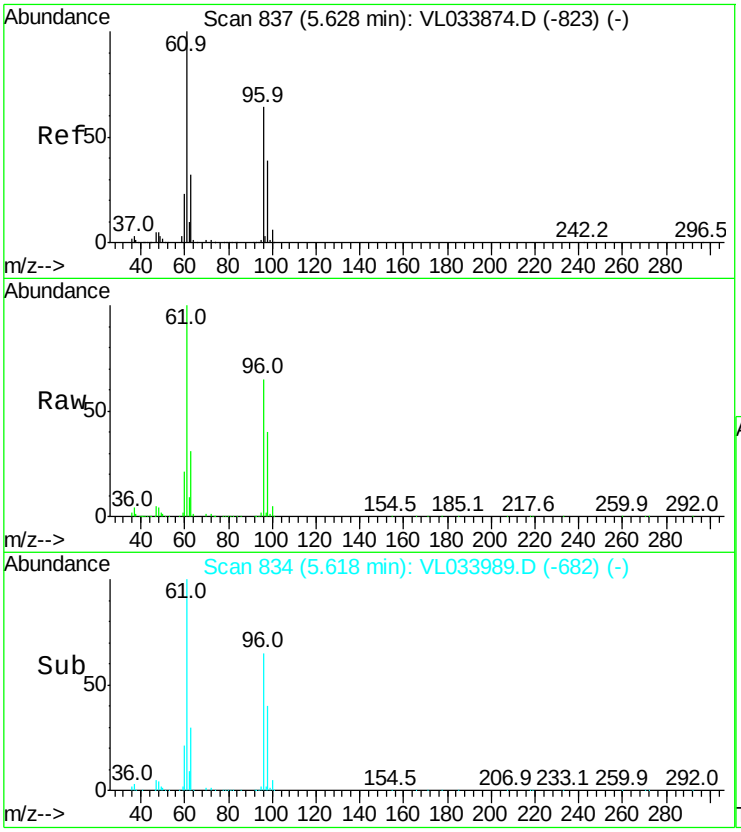


#30
Cyclohexane
Concen: 12.129 ppbv
RT: 7.22 min Scan# 1331
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 84 Resp: 982930

Ion	Ratio	Lower	Upper
84	100		
56	129.6	105.8	158.8
41	78.3	65.7	98.5



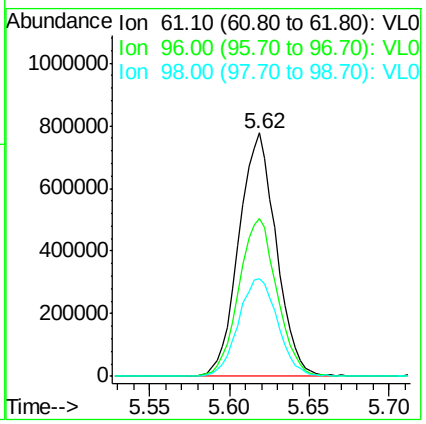


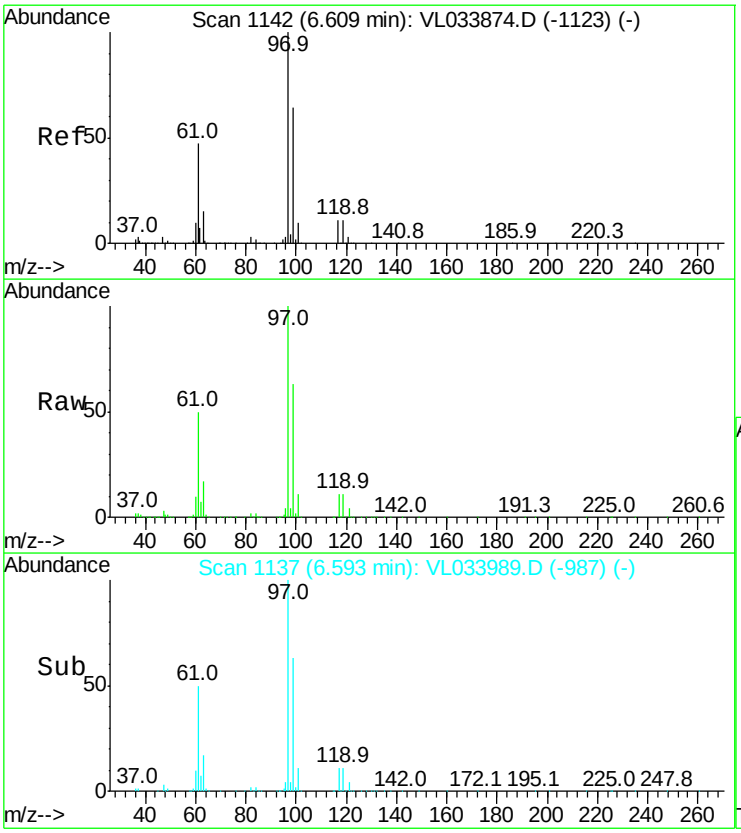
#31
cis-1,2-Dichloroethene
Concen: 12.327 ppbv
RT: 5.62 min Scan# 834
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1239868

Ion	Ratio	Lower	Upper
61	100		
96	64.7	50.9	76.3
98	40.1	31.4	47.2

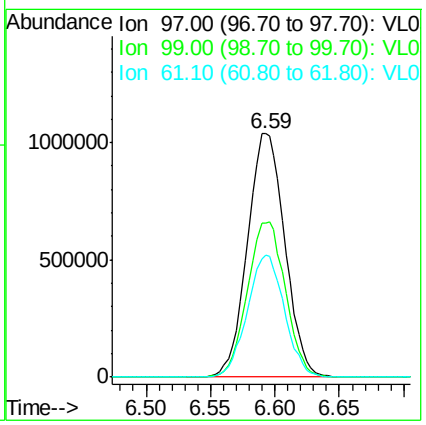


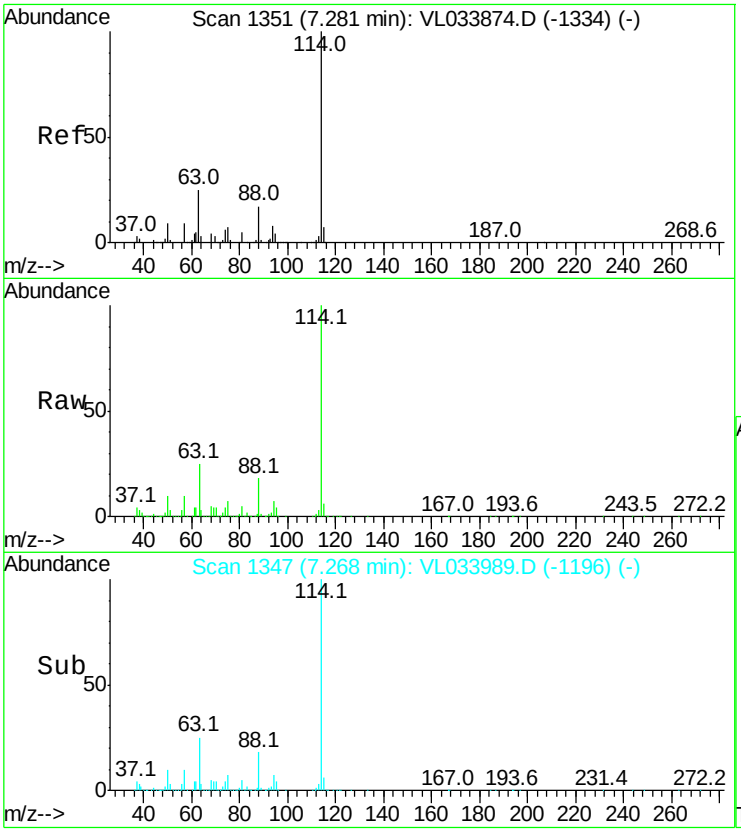


#32
1,1,1-Trichloroethane
Concen: 11.084 ppbv
RT: 6.59 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 97 Resp: 2100313

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.7	77.5
61	49.8	37.7	56.5



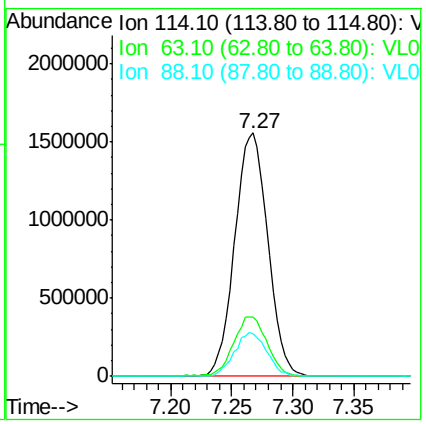


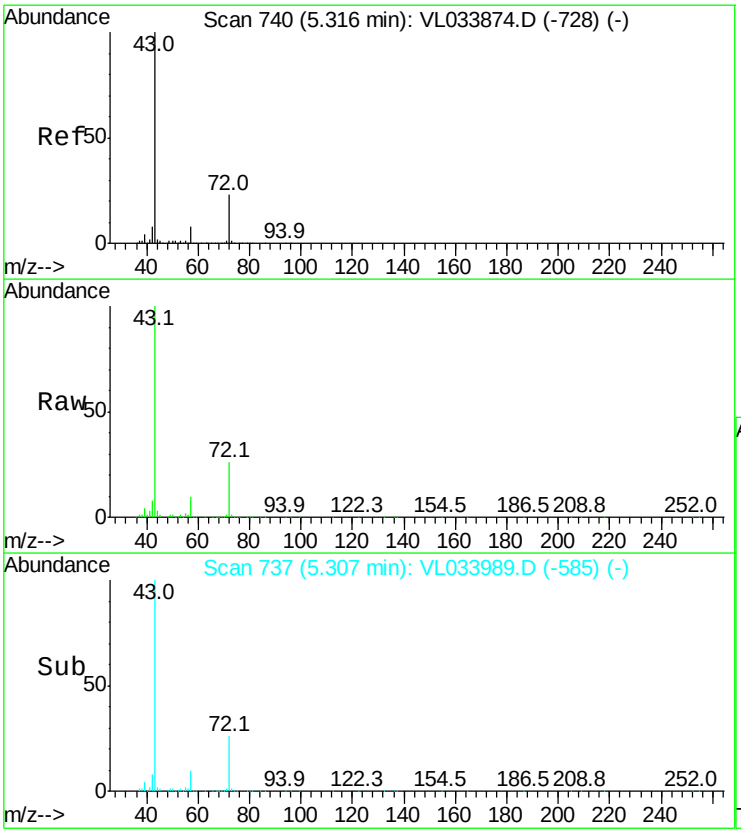
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 2912923

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.1	31.7
88	17.6	14.2	21.4

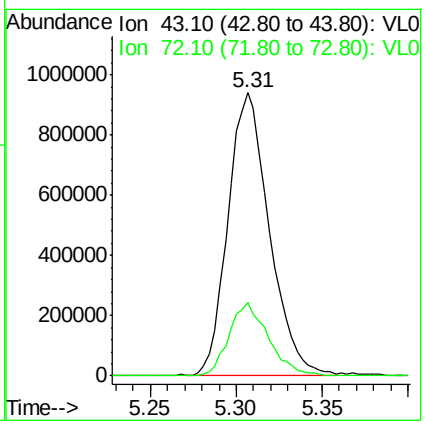


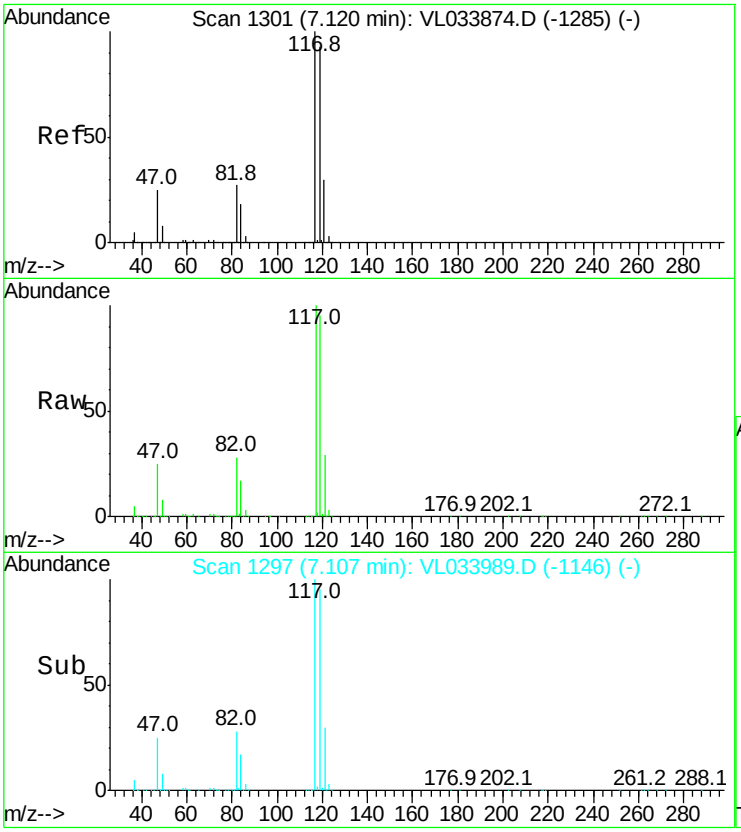


#34
2-Butanone
Concen: 9.609 ppbv
RT: 5.31 min Scan# 737
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 43 Resp: 1579008

Ion	Ratio	Lower	Upper
43	100		
72	24.9	17.9	26.9



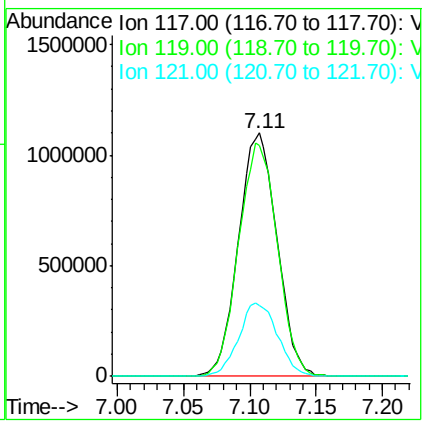


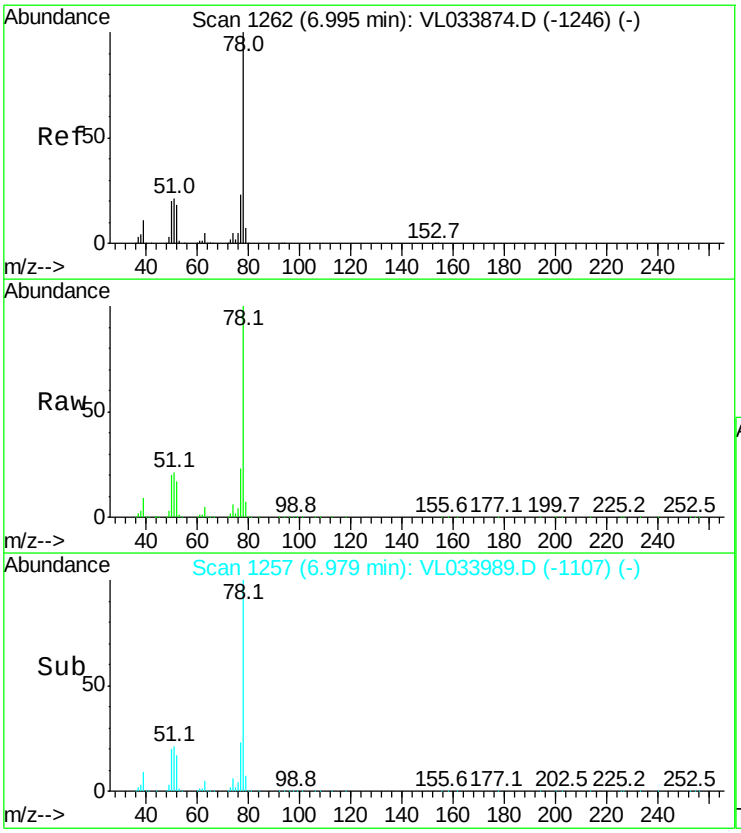
#35
Carbon Tetrachloride
Concen: 9.899 ppbv
RT: 7.11 min Scan# 1297
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 2227905

Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.6	111.8
121	29.3	24.0	36.0

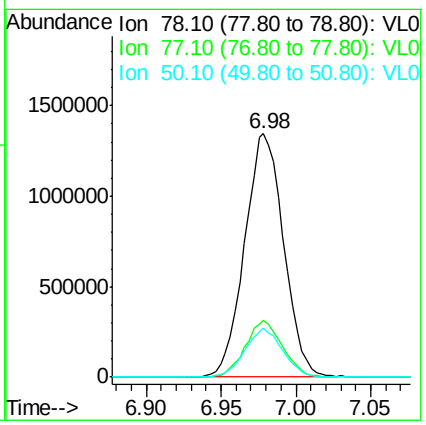


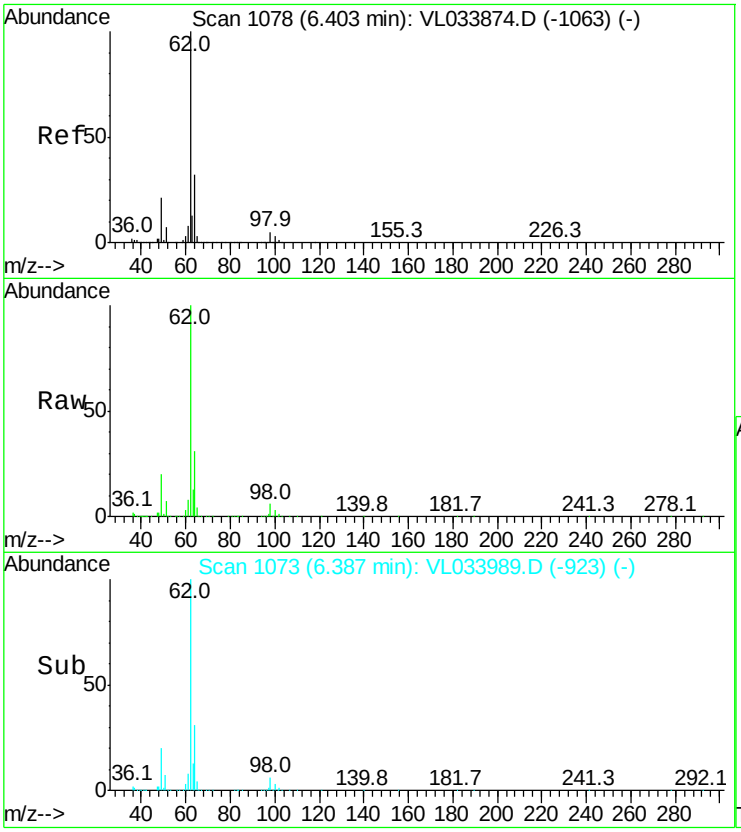


#36
Benzene
Concen: 10.956 ppbv
RT: 6.98 min Scan# 1257
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 78 Resp: 2437748

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.2
50	20.2	15.9	23.9



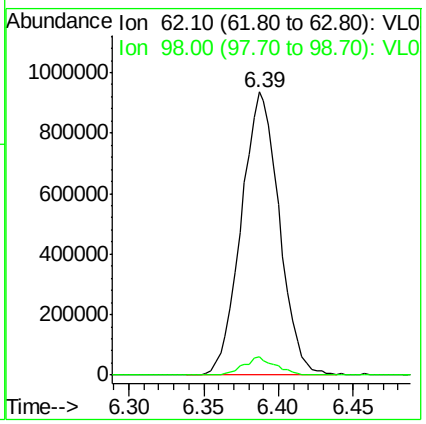


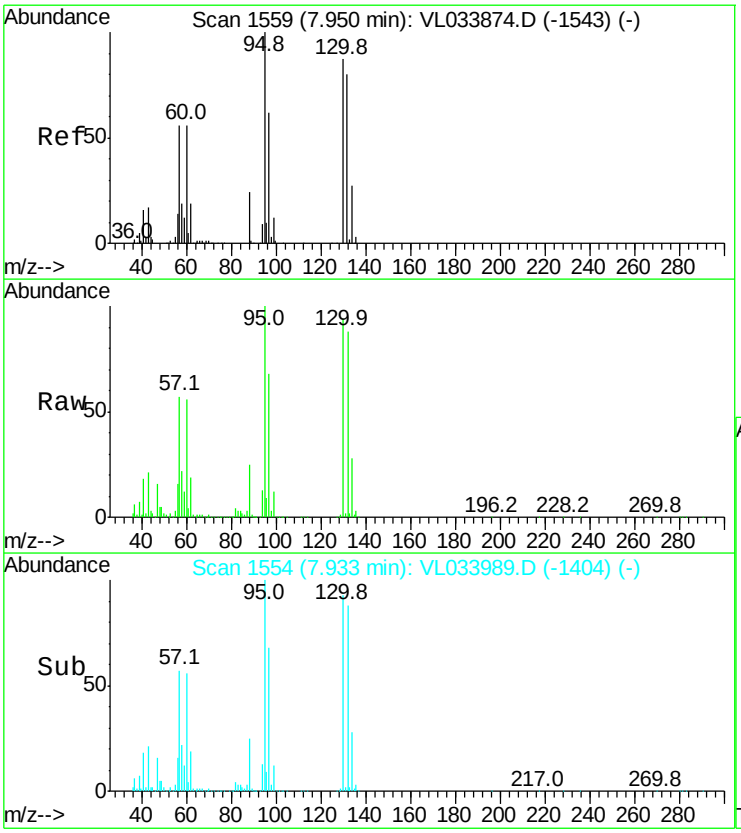
#37
1,2-Dichloroethane
Concen: 10.044 ppbv
RT: 6.39 min Scan# 1073
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1652806

Ion	Ratio	Lower	Upper
62	100		
98	5.5	4.0	6.0

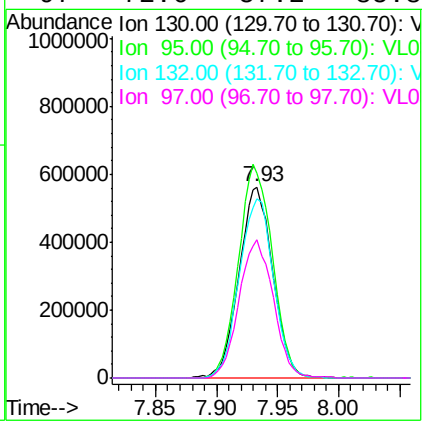


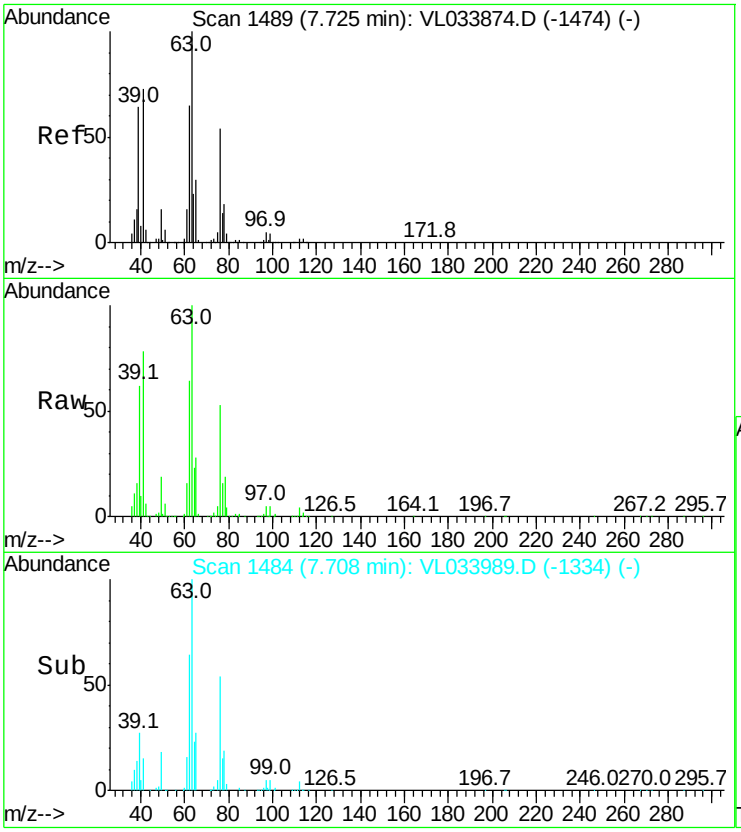


#38
Trichloroethene
Concen: 12.371 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:130 Resp: 1071793

Ion	Ratio	Lower	Upper
130	100		
95	106.9	92.0	138.0
132	93.9	73.8	110.8
97	72.6	57.2	85.8



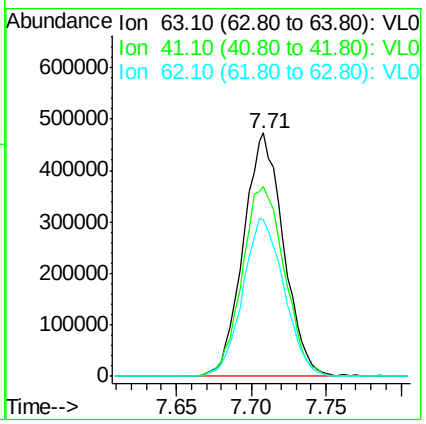


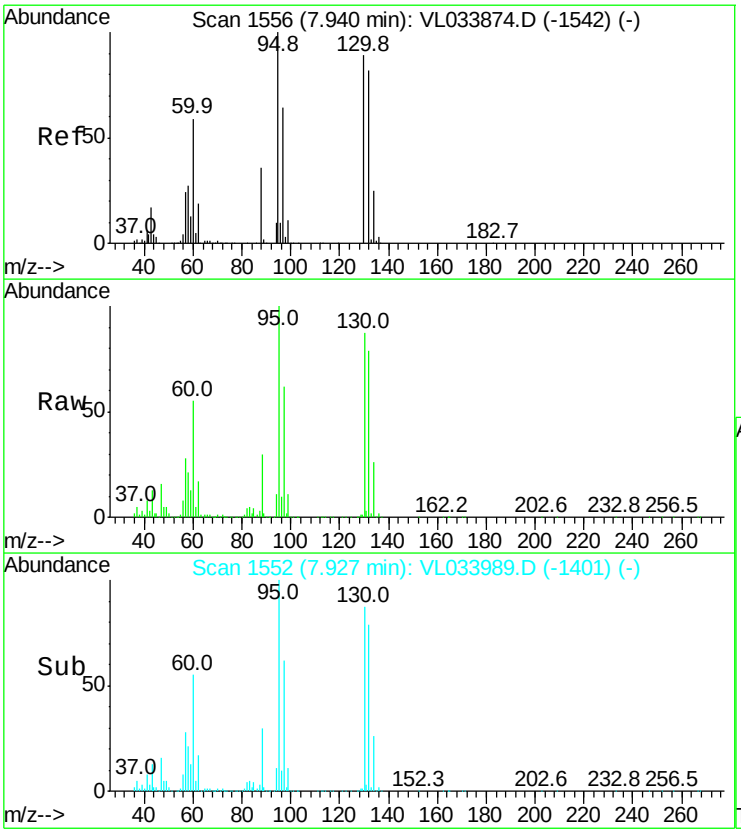
#39
1,2-Dichloropropane
Concen: 10.288 ppbv
RT: 7.71 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 883557

Ion	Ratio	Lower	Upper
63	100		
41	77.9	58.7	88.1
62	64.3	51.9	77.9

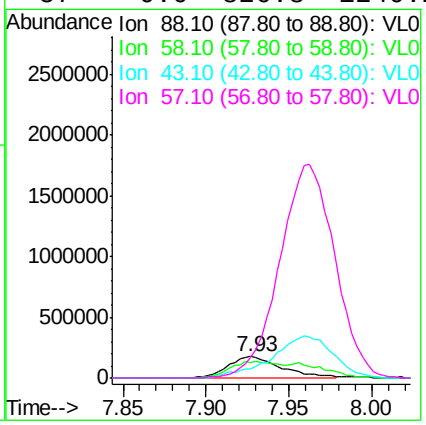


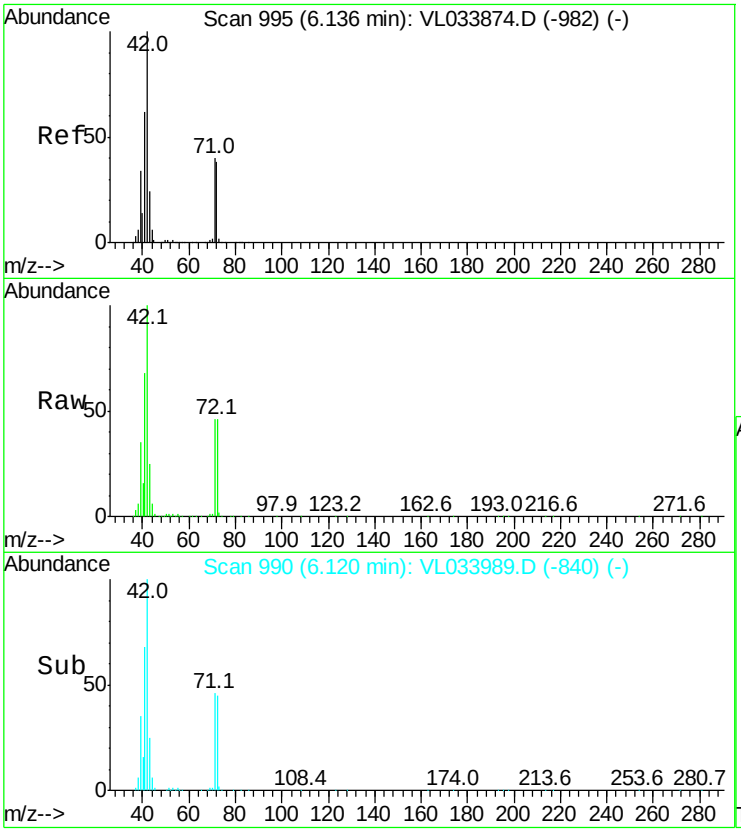


#40
1,4-Dioxane
Concen: 11.033 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 88 Resp: 386436

Ion	Ratio	Lower	Upper
88	100		
58	123.9	100.0	150.0
43	0.0	184.7	277.1#
57	0.0	826.8	1240.2#



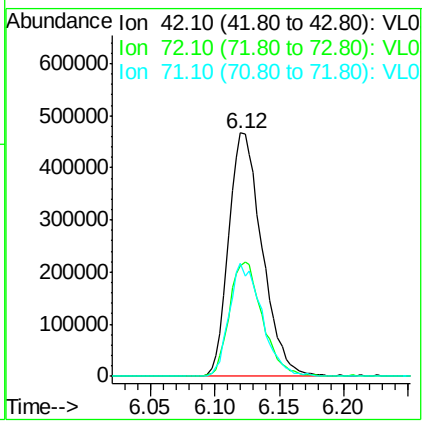


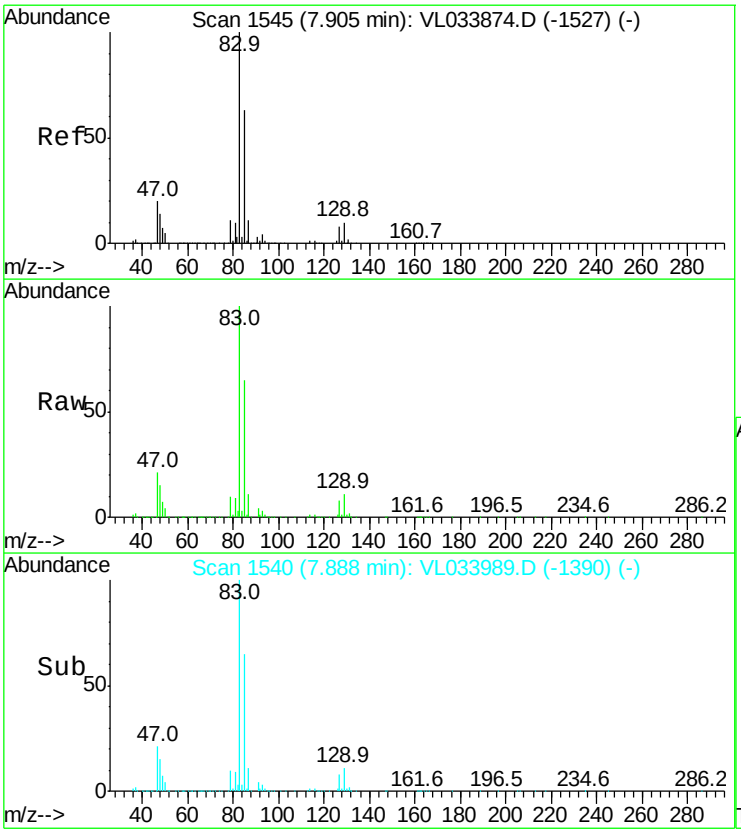
#41
Tetrahydrofuran
Concen: 10.100 ppbv
RT: 6.12 min Scan# 990
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 842428

Ion	Ratio	Lower	Upper
42	100		
72	46.6	32.2	48.4
71	45.2	31.7	47.5

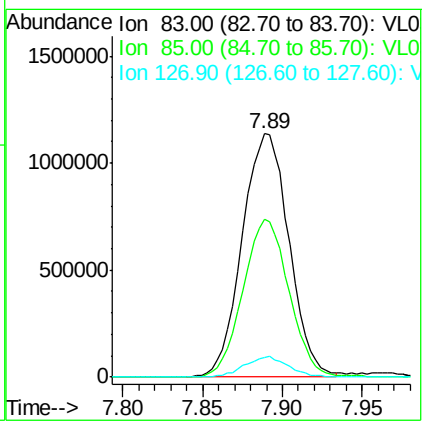


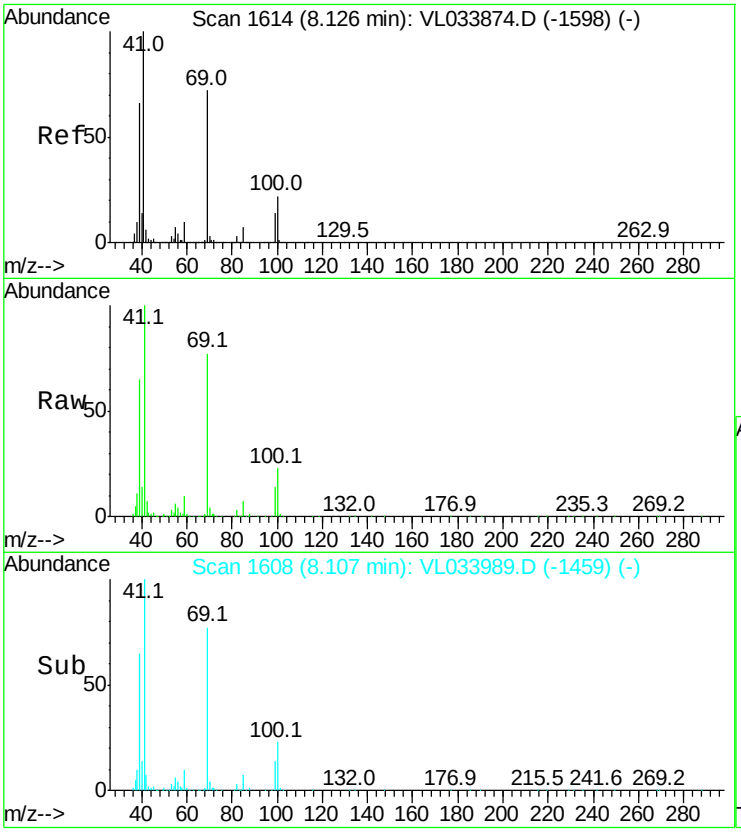


#42
Bromodichloromethane
Concen: 10.348 ppbv
RT: 7.89 min Scan# 1540
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 83 Resp: 2275770

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.2	75.2
127	8.1	6.5	9.7



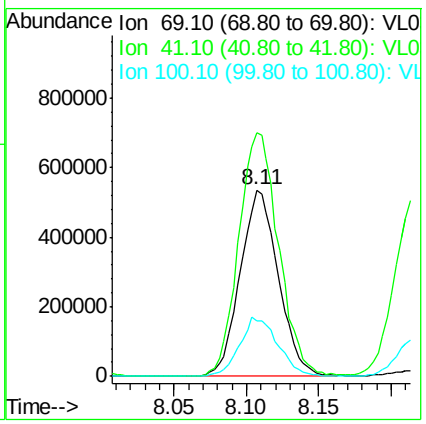


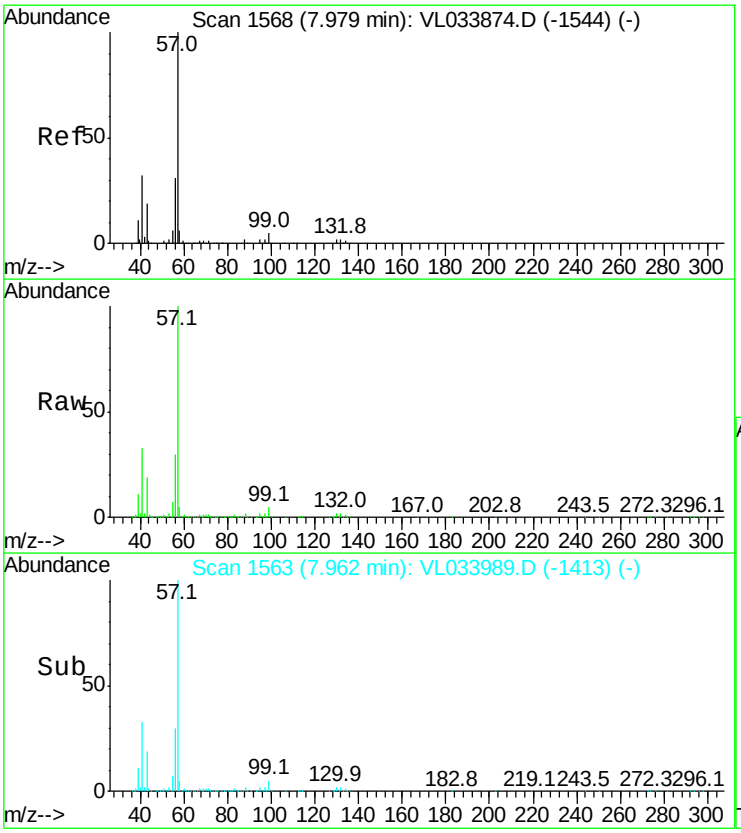
#43
Methyl Methacrylate
Concen: 11.775 ppbv
RT: 8.11 min Scan# 1608
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 979905

Ion	Ratio	Lower	Upper
69	100		
41	136.4	114.3	171.5
100	31.6	24.8	37.2

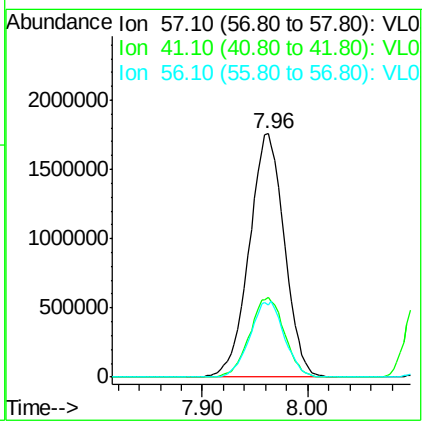


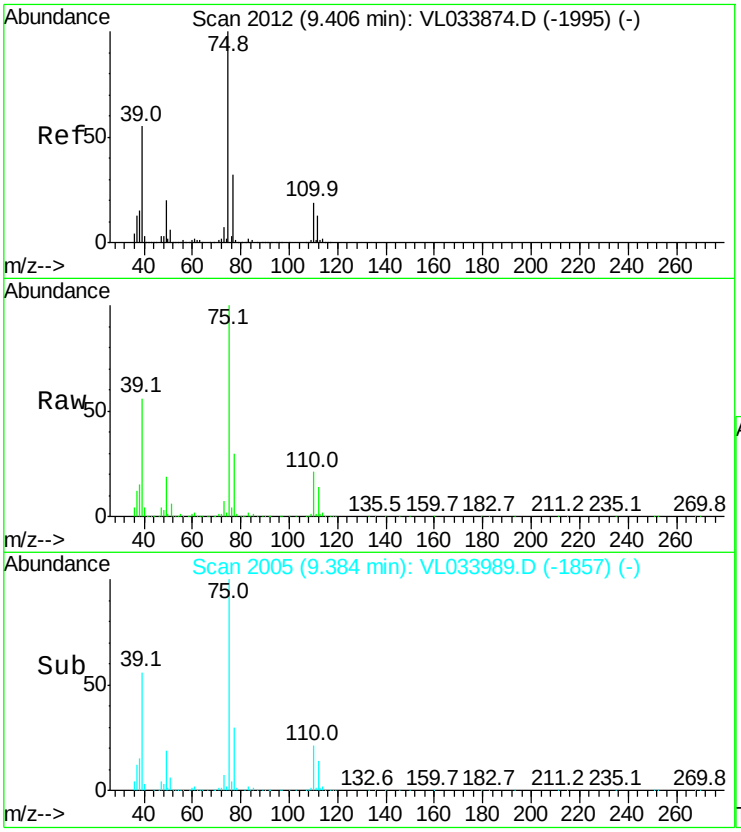


#44
2,2,4-Trimethylpentane
Concen: 10.322 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 57 Resp: 4084404

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.1	39.1
56	30.5	24.6	36.8



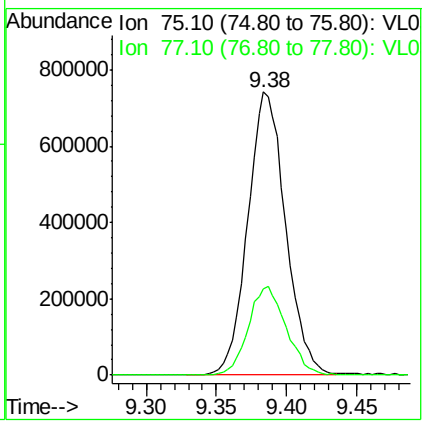


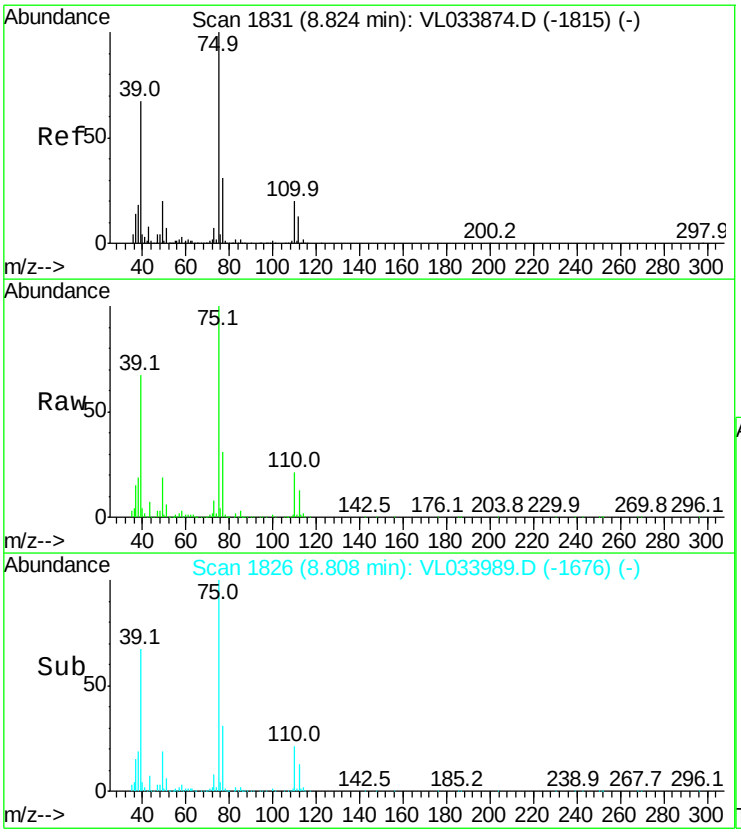
#45
t-1,3-Dichloropropene
Concen: 12.736 ppbv
RT: 9.38 min Scan# 2005
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 75 Resp: 1390715

Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.4	38.2

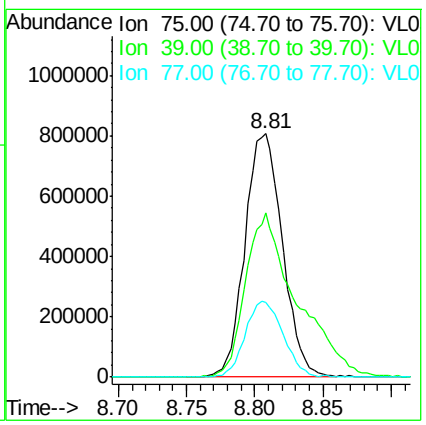


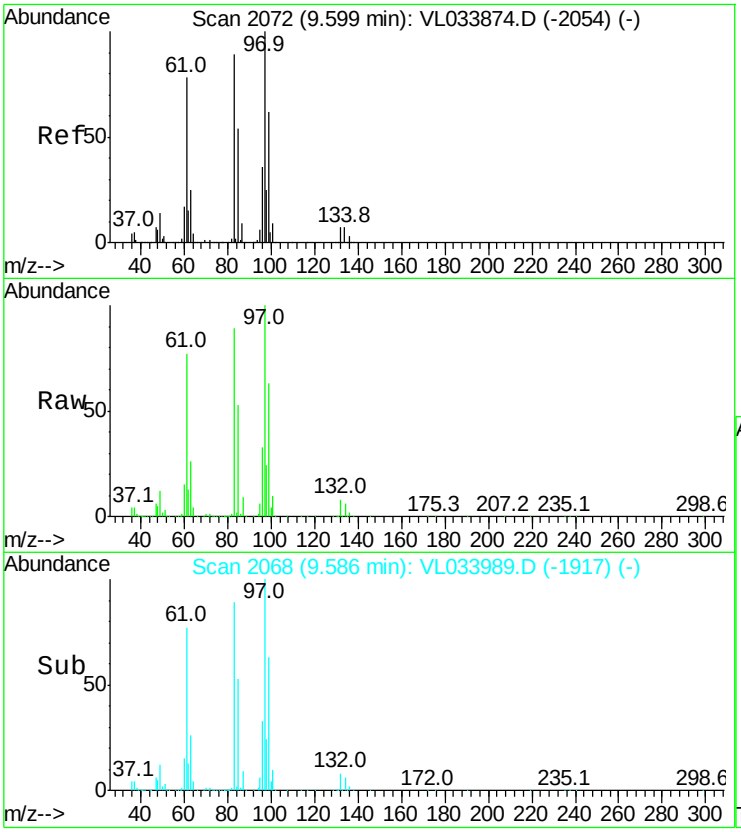


#46
cis-1,3-Dichloropropene
Concen: 12.304 ppbv
RT: 8.81 min Scan# 1826
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 75 Resp: 1539311

Ion	Ratio	Lower	Upper
75	100		
39	67.2	53.8	80.8
77	30.6	24.6	36.8



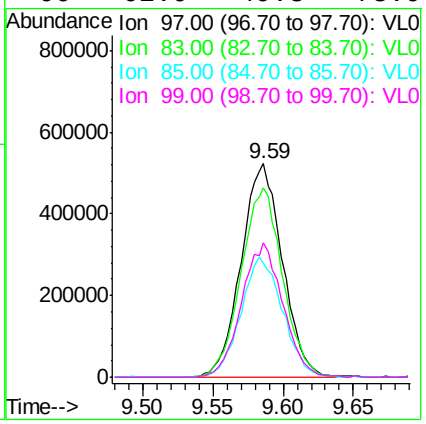


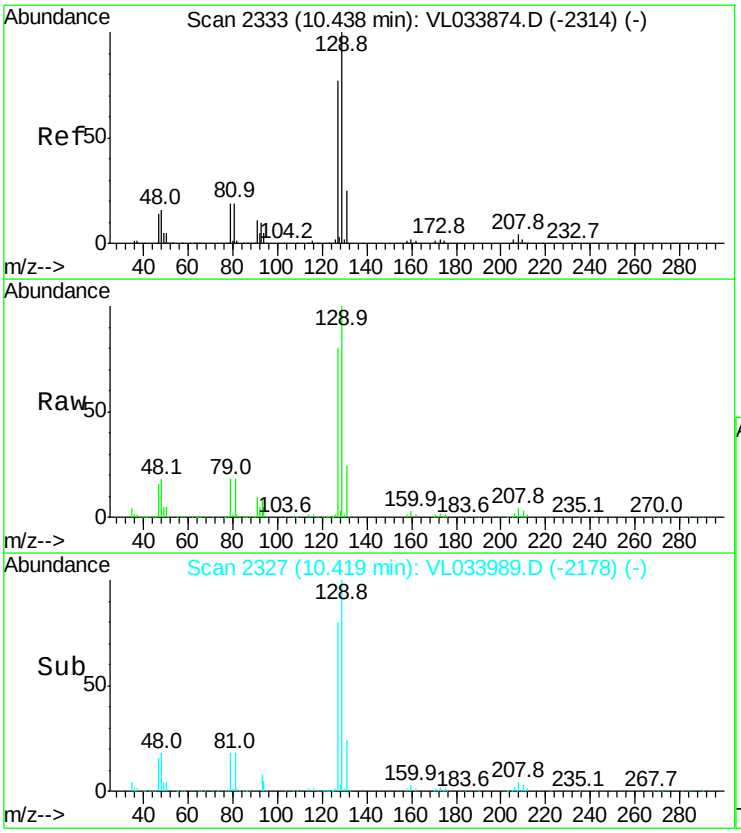
#47
1,1,2-Trichloroethane
Concen: 10.451 ppbv
RT: 9.59 min Scan# 2068
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 1069942

Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.9	106.3
85	53.3	43.0	64.6
99	62.9	49.3	73.9

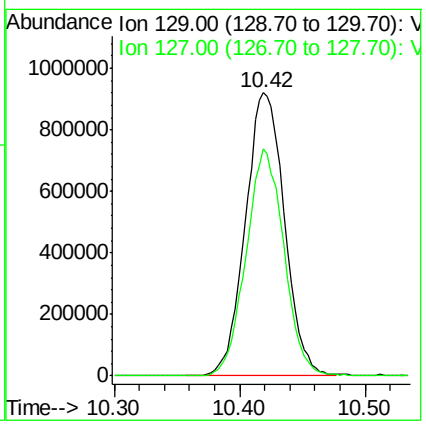


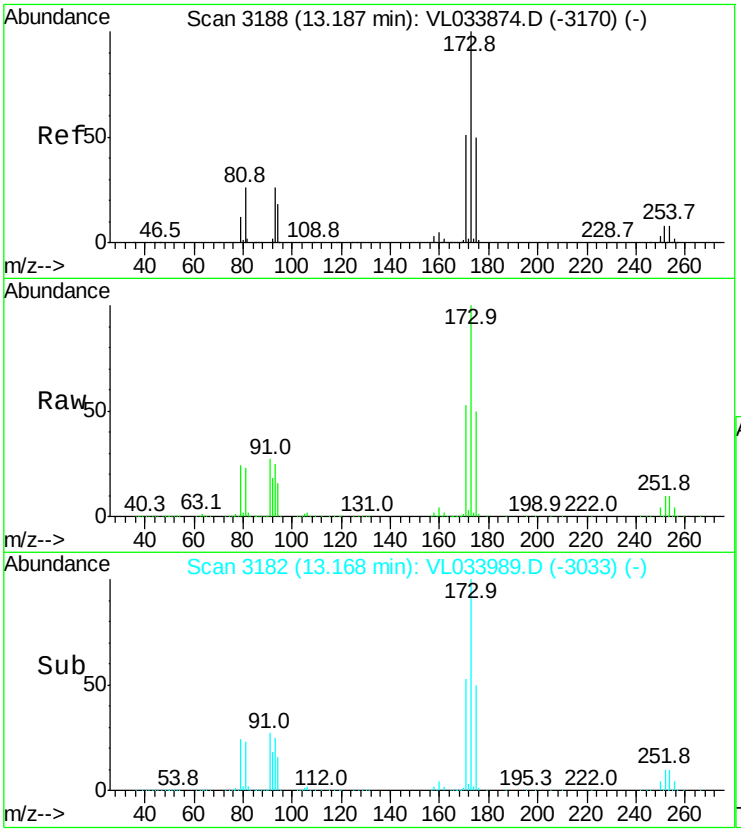


#48
Dibromochloromethane
Concen: 10.837 ppbv
RT: 10.42 min Scan# 2327
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:129 Resp: 1993785

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.6	115.7



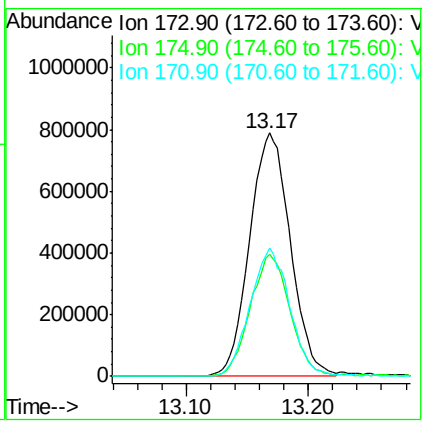


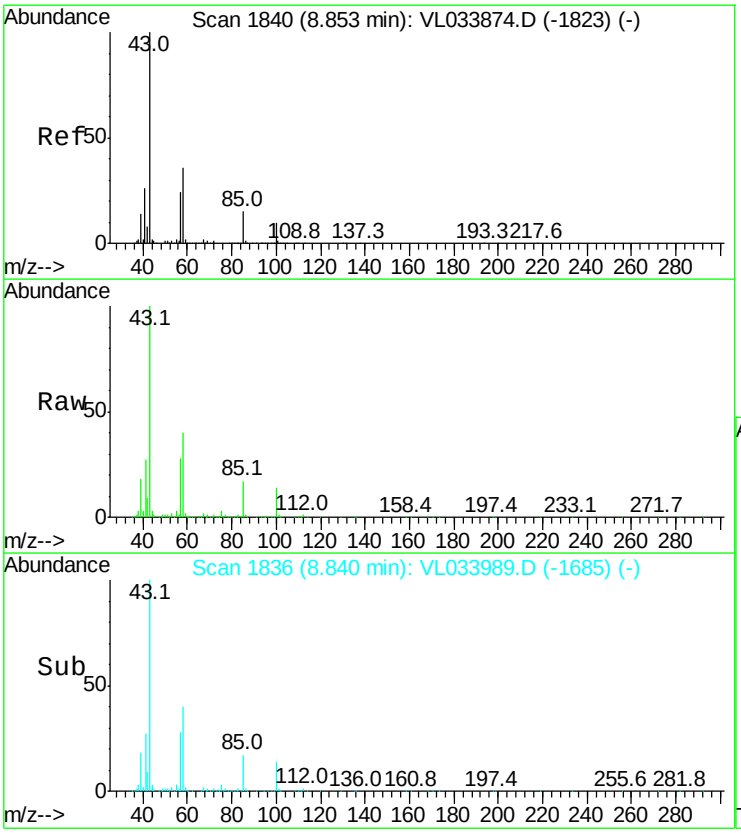
#49
Bromoform
Concen: 11.238 ppbv
RT: 13.17 min Scan# 3182
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 1825285

Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.6	59.4
171	51.7	41.8	62.8

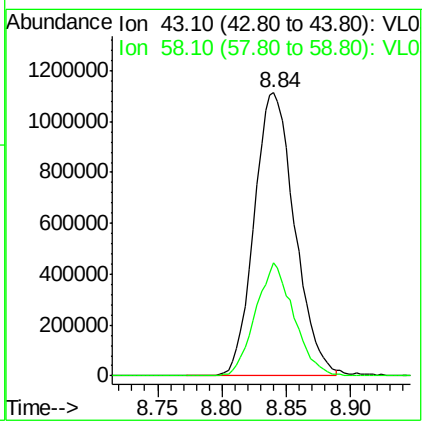


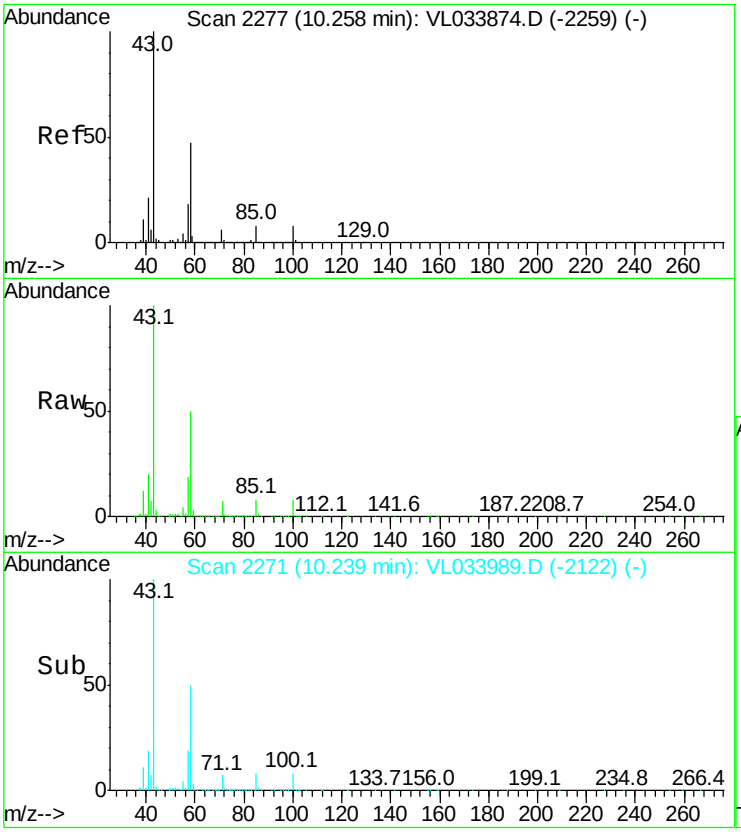


#50
4-Methyl-2-Pentanone
Concen: 9.928 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 43 Resp: 2432923

Ion	Ratio	Lower	Upper
43	100		
58	37.9	28.6	42.8



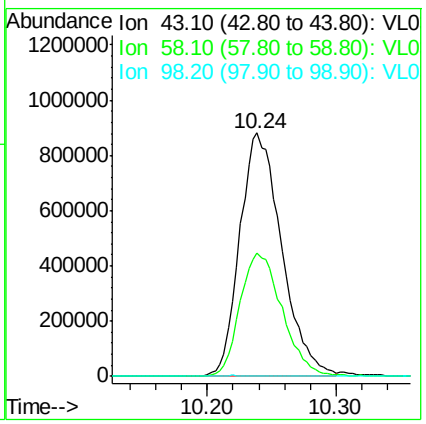


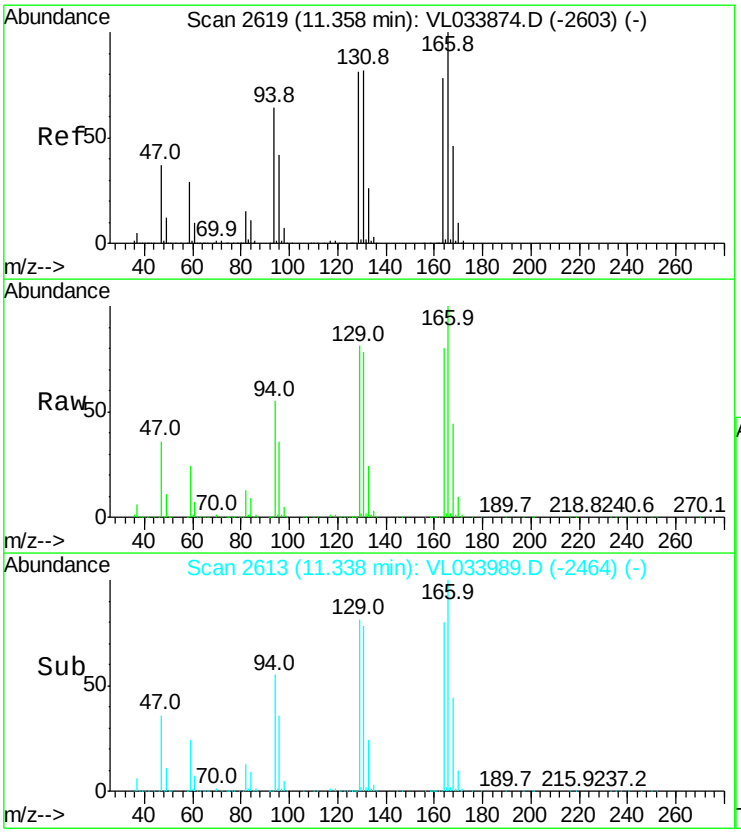
#51
2-Hexanone
Concen: 10.423 ppbv
RT: 10.24 min Scan# 2271
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1994424

Ion	Ratio	Lower	Upper
43	100		
58	51.2	38.2	57.4
98	0.2	0.2	0.2

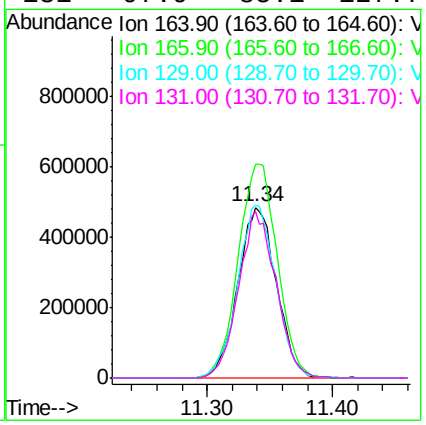


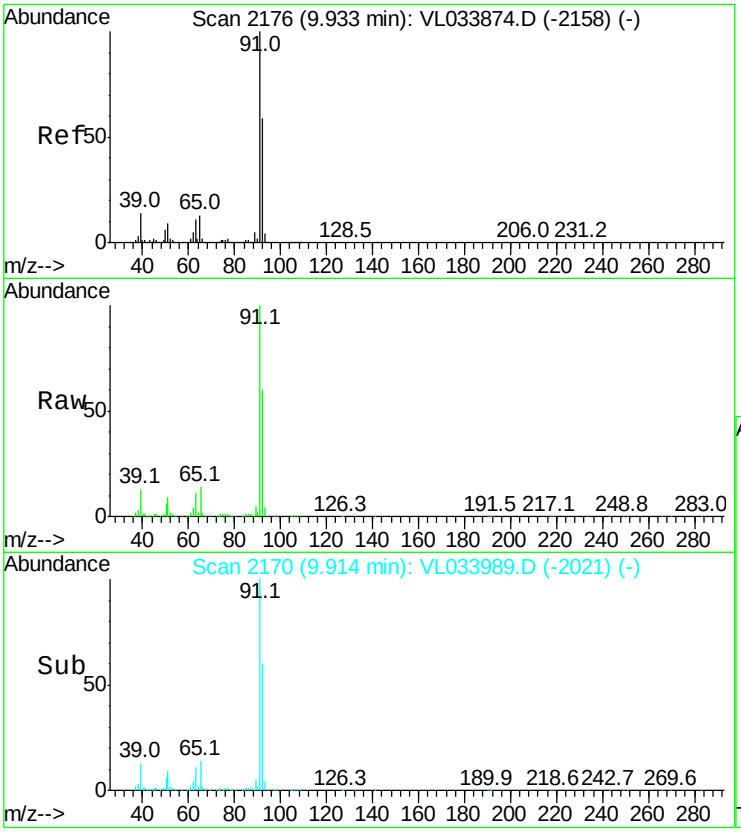


#52
Tetrachloroethene
Concen: 13.188 ppbv
RT: 11.34 min Scan# 2613
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:164 Resp: 1032574

Ion	Ratio	Lower	Upper
164	100		
166	125.2	103.1	154.7
129	101.3	83.9	125.9
131	97.9	85.1	127.7



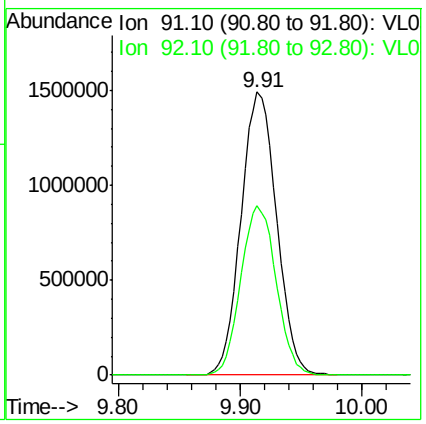


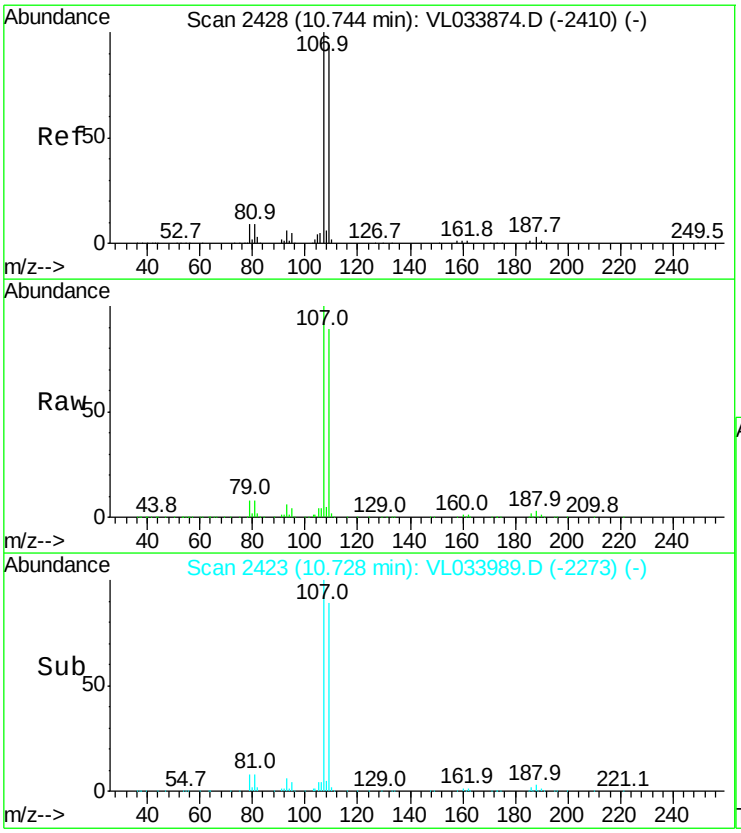
#53
Toluene
Concen: 12.168 ppbv
RT: 9.91 min Scan# 2170
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2996276

Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.0	70.6

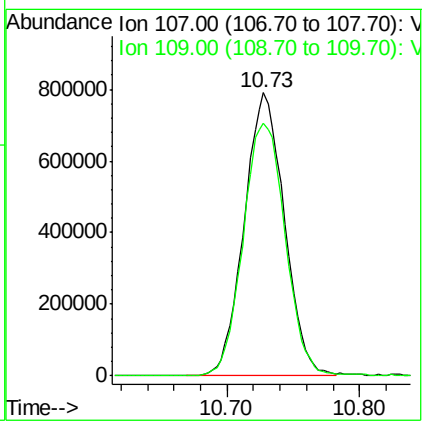


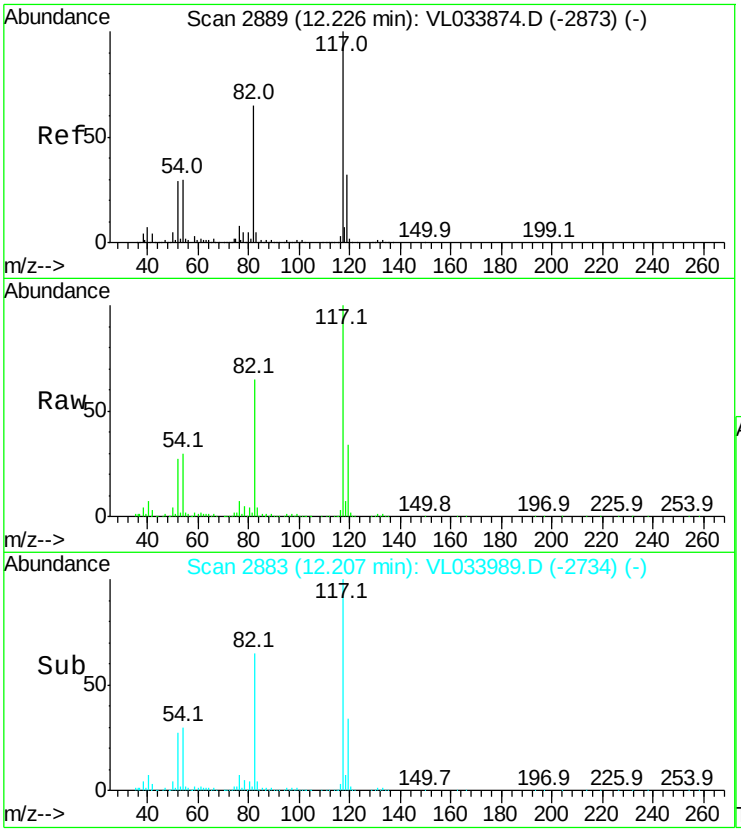


#54
1,2-Dibromoethane
Concen: 10.765 ppbv
RT: 10.73 min Scan# 2423
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:107 Resp: 1661328

Ion	Ratio	Lower	Upper
107	100		
109	89.4	74.9	112.3



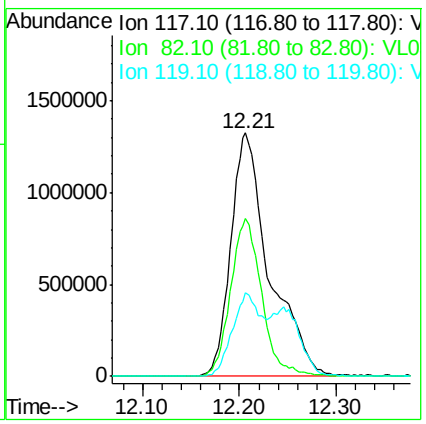


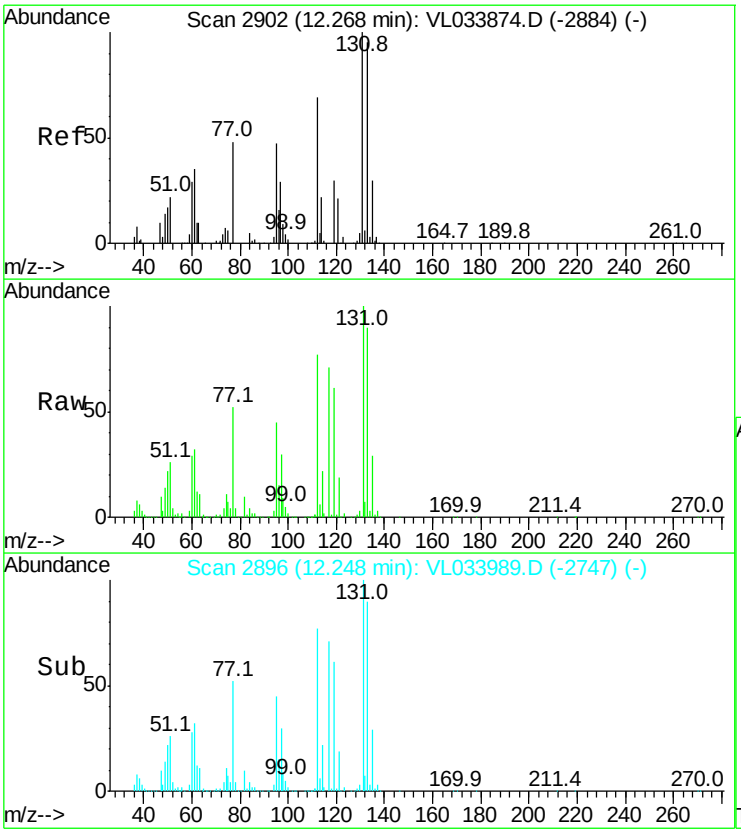
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2883
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 3673106

Ion	Ratio	Lower	Upper
117	100		
82	52.5	50.2	75.2
119	24.8	24.8	37.2

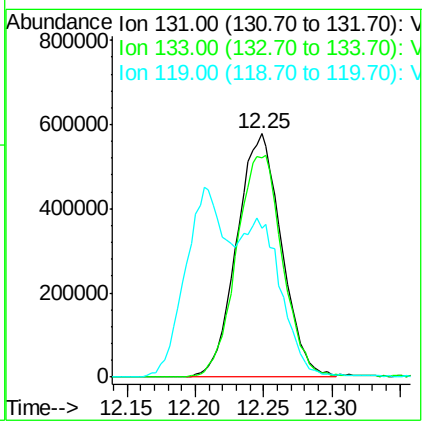


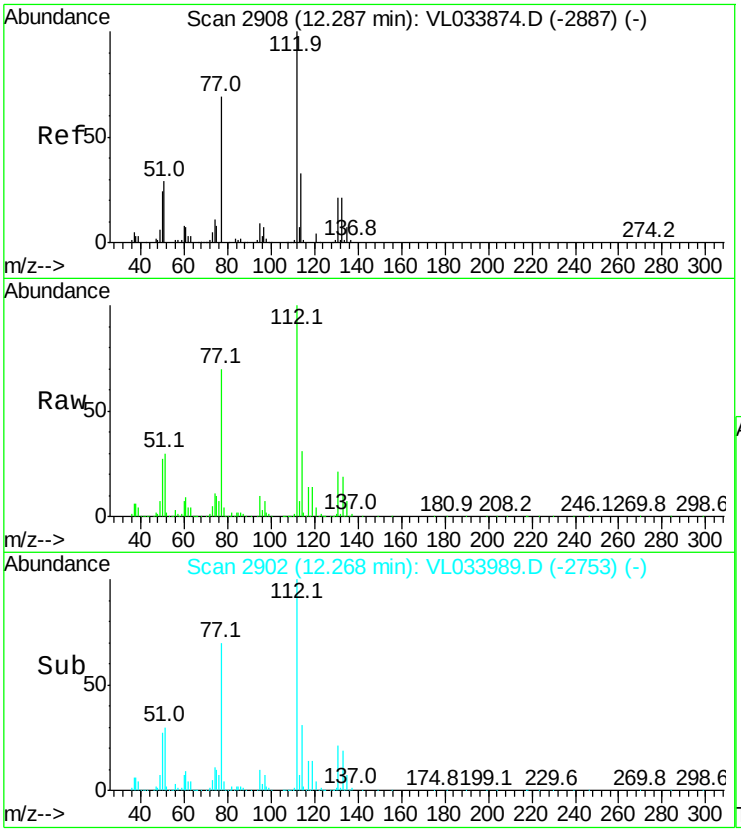


#56
1,1,1,2-Tetrachloroethane
Concen: 8.156 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:131 Resp: 1308672

Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.5	114.7
119	53.9	42.6	64.0



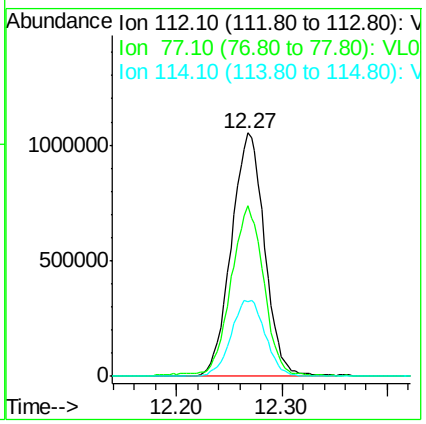


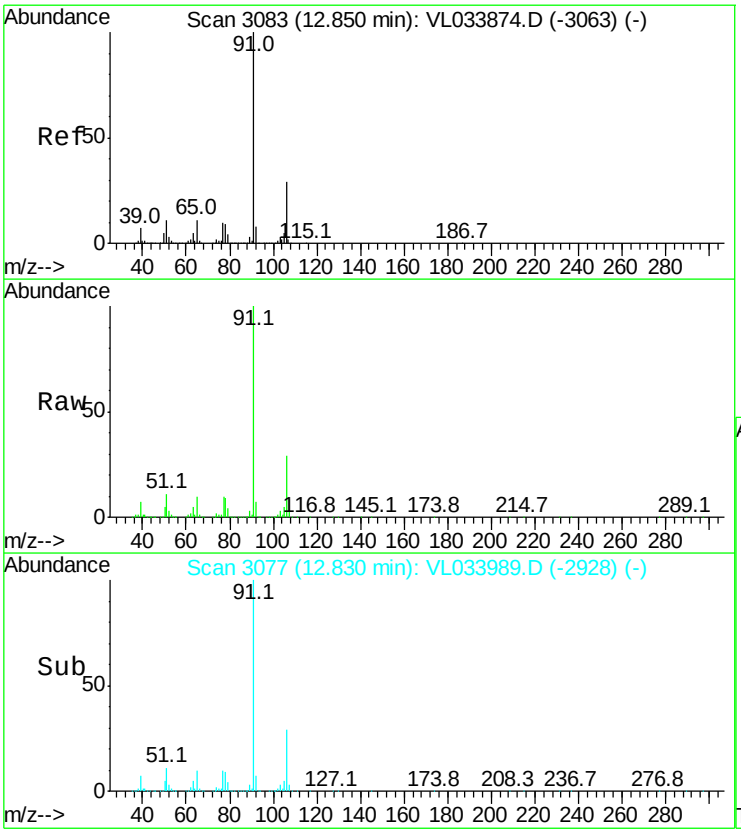
#57
Chlorobenzene
Concen: 8.352 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:112 Resp: 2297580

Ion	Ratio	Lower	Upper
112	100		
77	69.9	55.8	83.6
114	30.7	29.8	36.4

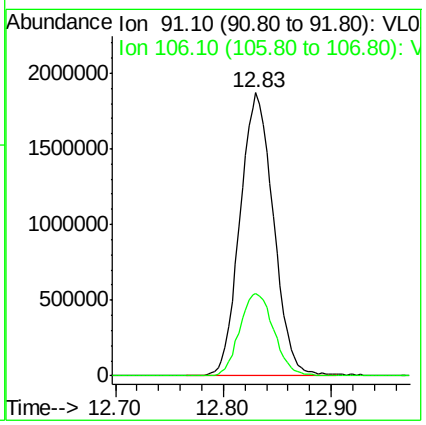


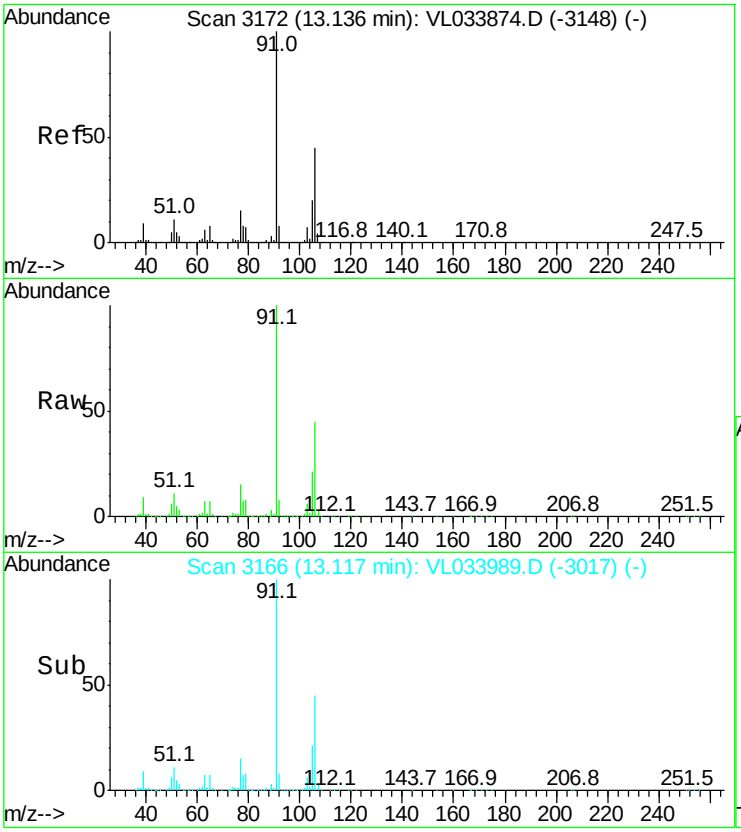


#58
Ethyl Benzene
Concen: 9.743 ppbv
RT: 12.83 min Scan# 3077
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 91 Resp: 4034934

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.0	34.6



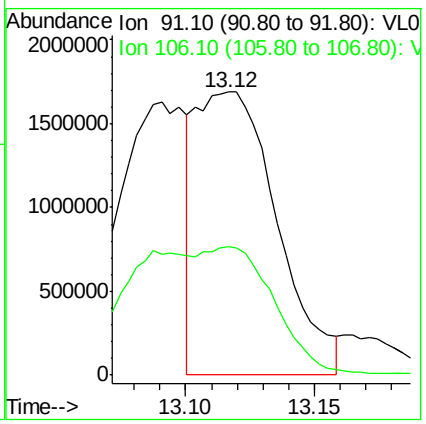


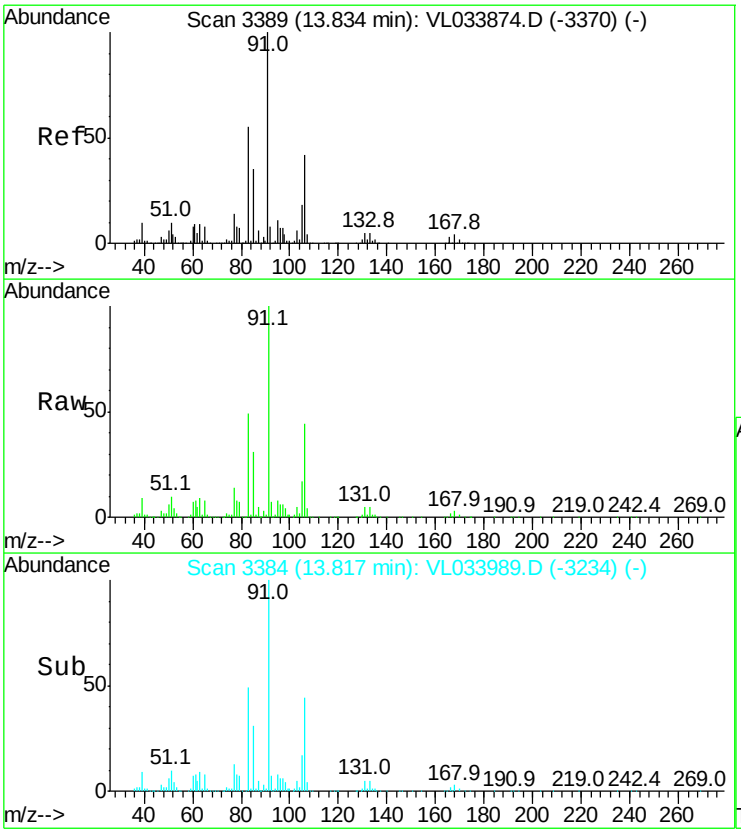
#59
m/p-Xylene
Concen: 9.746 ppbv
RT: 13.12 min Scan# 3166
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 3670093

Ion	Ratio	Lower	Upper
91	100		
106	82.4	35.8	53.8#

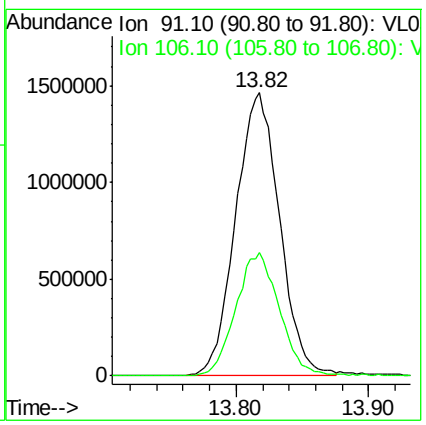


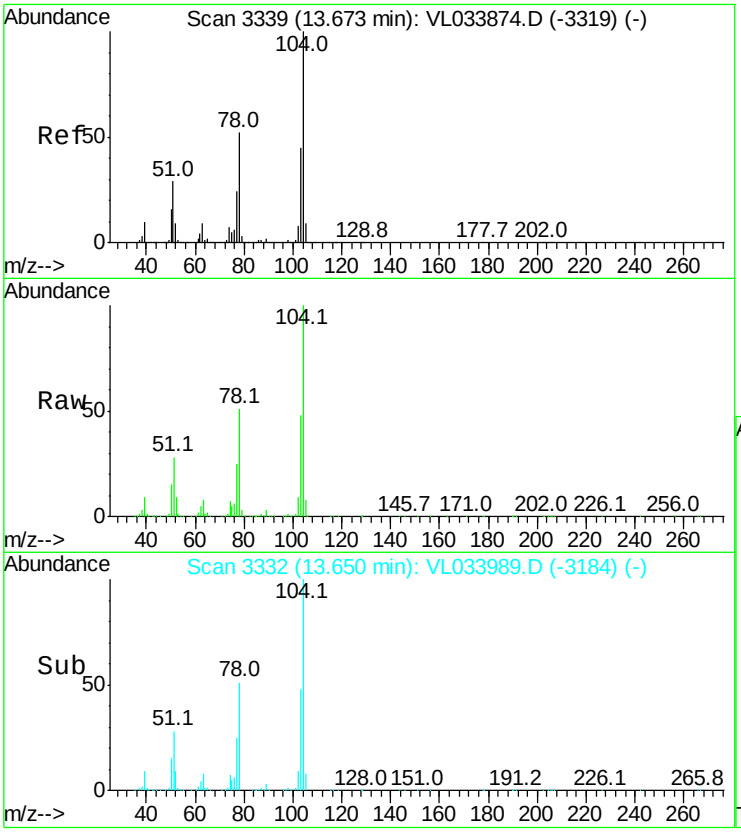


#60
o-Xylene
Concen: 8.623 ppbv
RT: 13.82 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 91 Resp: 3352791

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.7	65.1



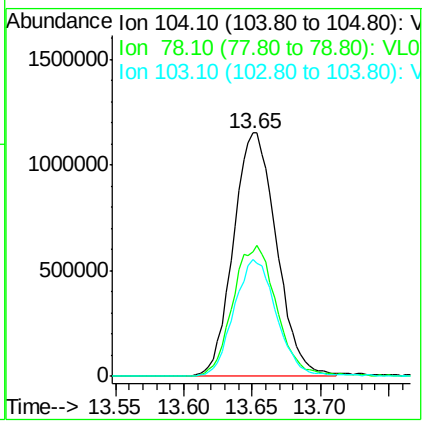


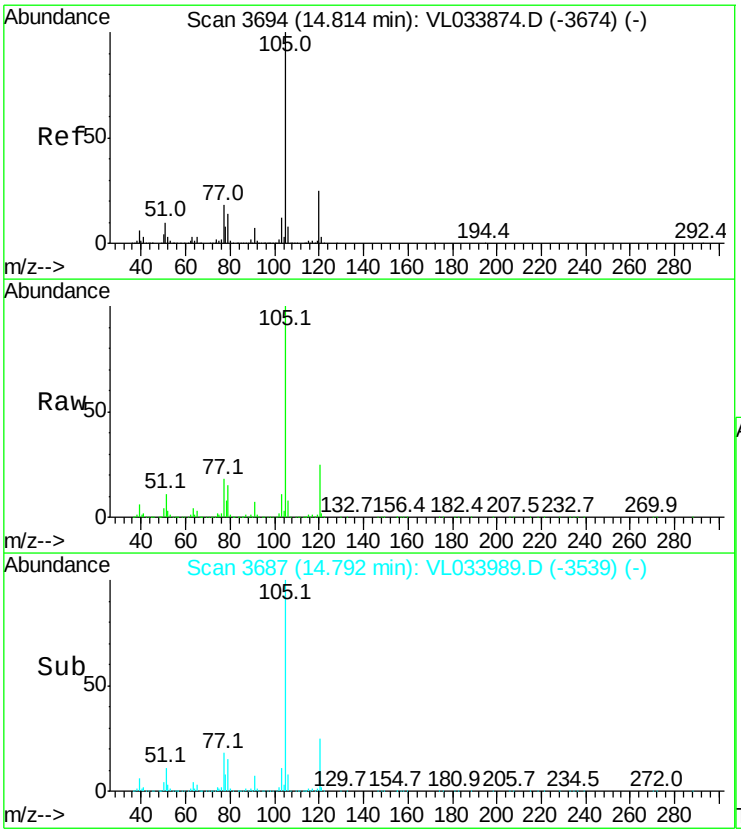
#61
Styrene
Concen: 10.049 ppbv
RT: 13.65 min Scan# 3332
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 2528650

Ion	Ratio	Lower	Upper
104	100		
78	54.9	43.4	65.0
103	47.6	37.6	56.4

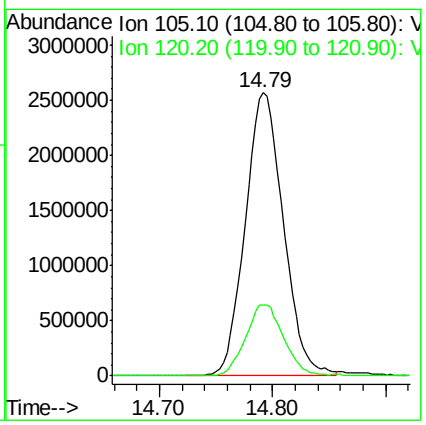


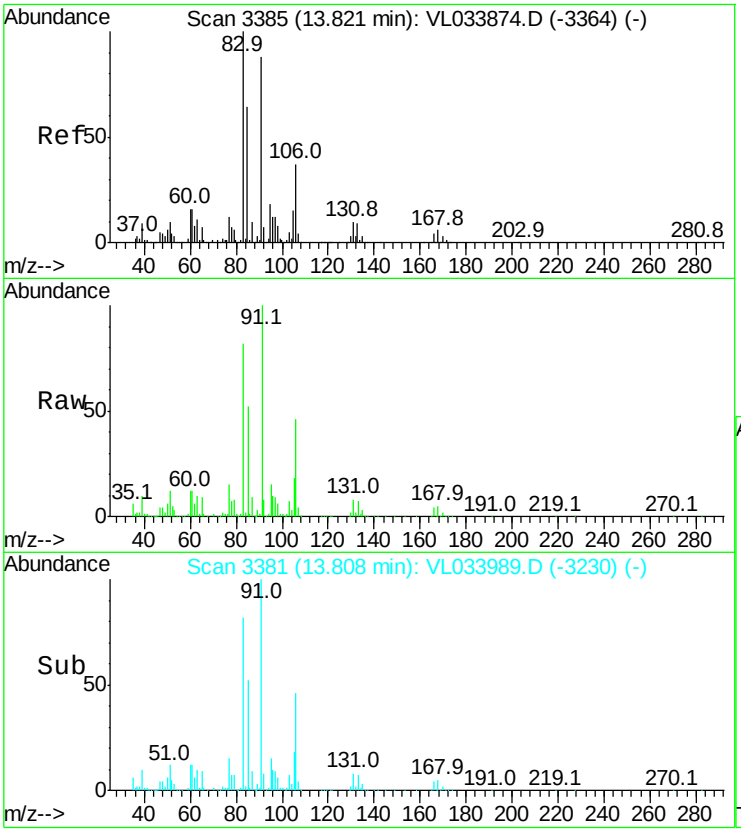


#62
Isopropylbenzene
Concen: 11.483 ppbv
RT: 14.79 min Scan# 3687
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:105 Resp: 6017573

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.3	30.5



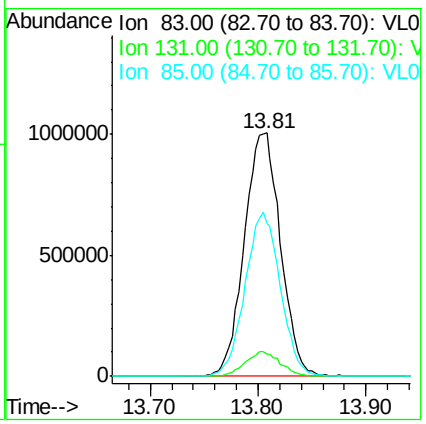


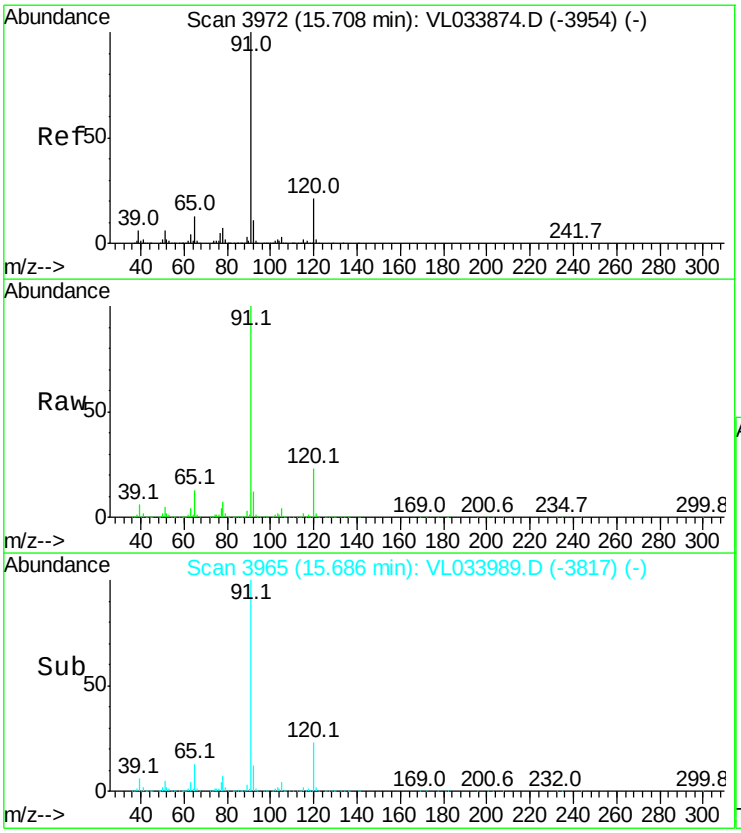
#63
1,1,2,2-Tetrachloroethane
Concen: 8.026 ppbv
RT: 13.81 min Scan# 3381
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2349070

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.8	14.4
85	65.5	32.1	96.3

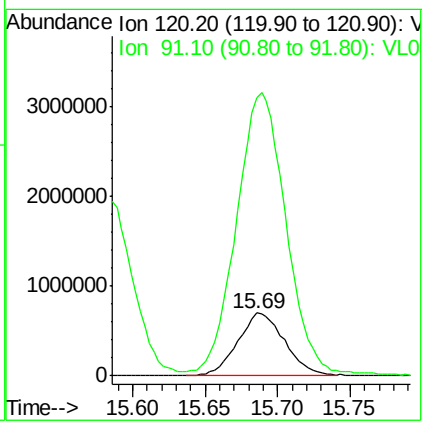


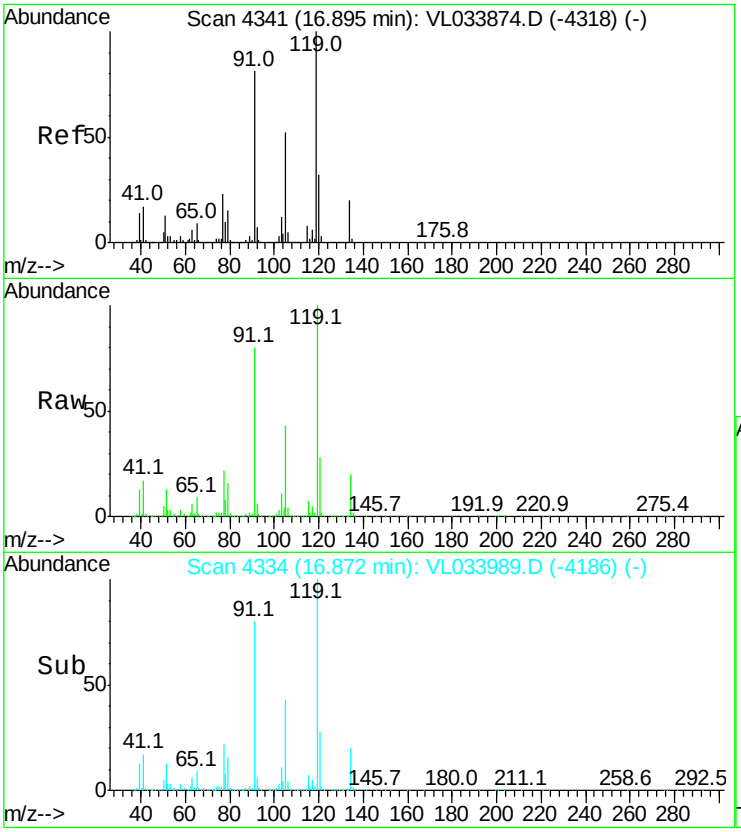


#64
n-propylbenzene
Concen: 11.676 ppbv
RT: 15.69 min Scan# 3965
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:120 Resp: 1566880

Ion	Ratio	Lower	Upper
120	100		
91	483.2	387.0	580.6



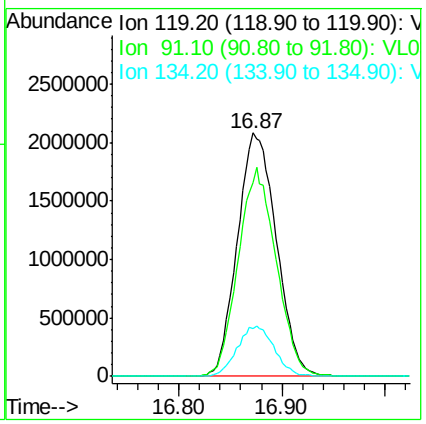


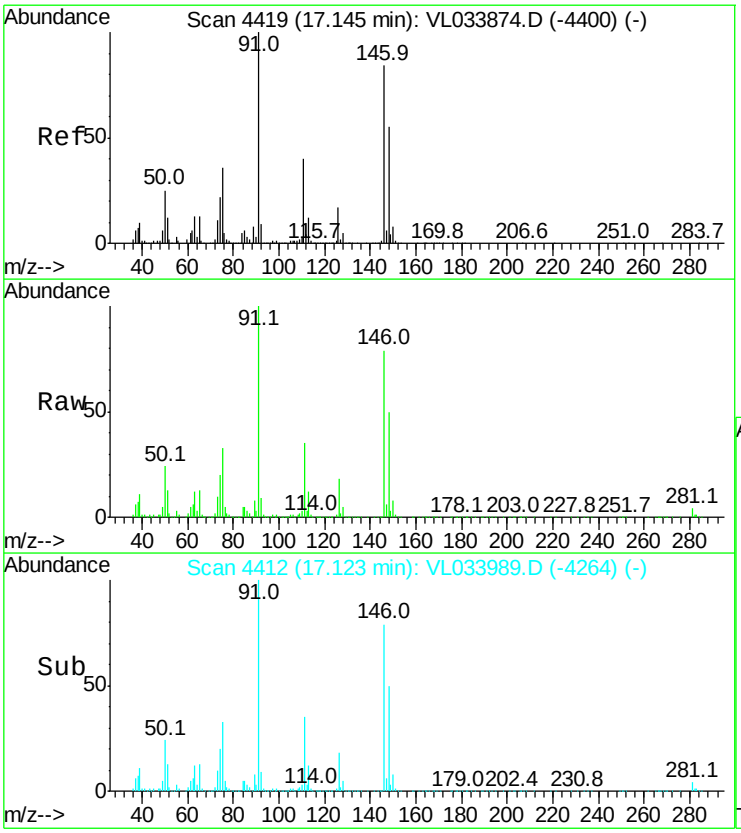
#65
tert-Butylbenzene
Concen: 11.268 ppbv
RT: 16.87 min Scan# 4334
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 5463716

Ion	Ratio	Lower	Upper
119	100		
91	83.8	66.6	100.0
134	19.7	15.5	23.3

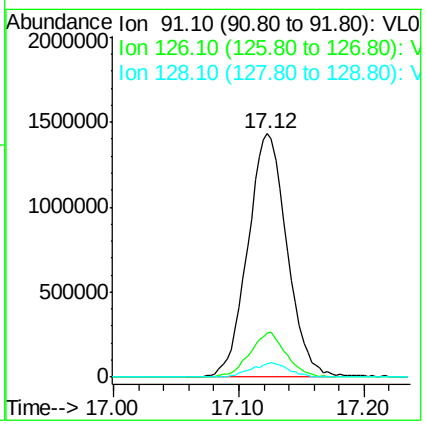


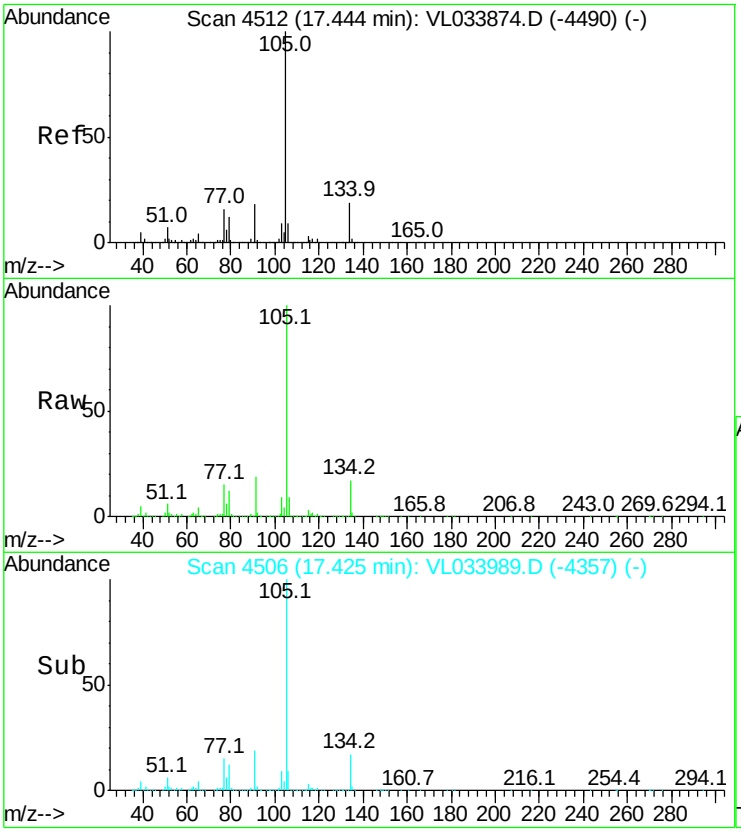


#66
Benzyl Chloride
Concen: 12.594 ppbv
RT: 17.12 min Scan# 4412
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 91 Resp: 3094781

Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.8	20.6
128	5.8	4.4	6.6



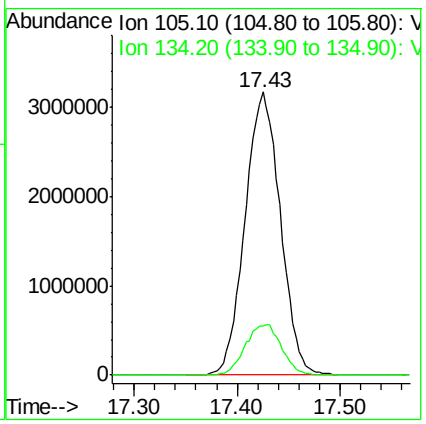


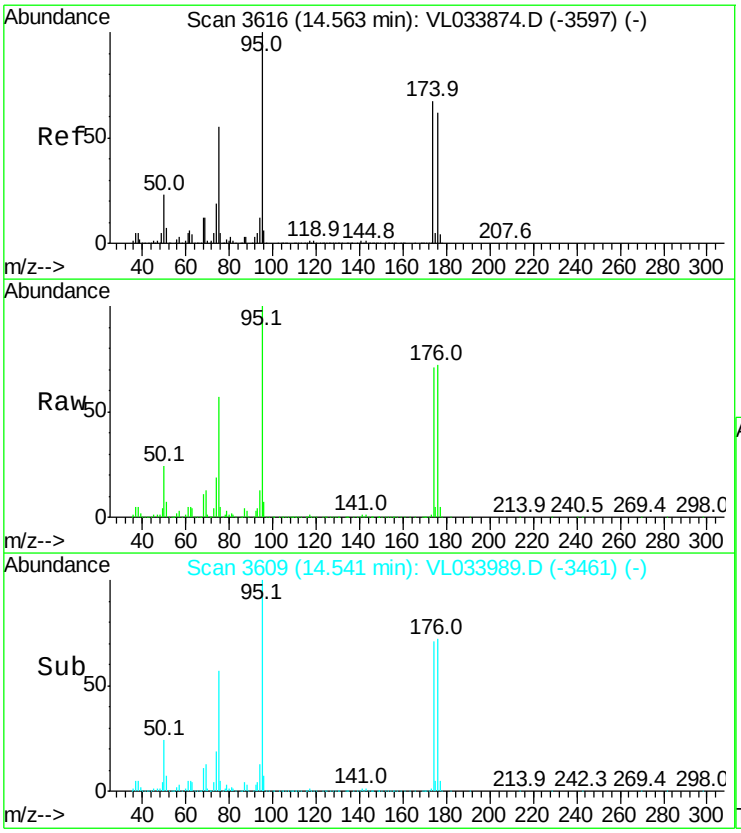
#67
sec-Butylbenzene
Concen: 11.052 ppbv
RT: 17.43 min Scan# 4506
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 7518331

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.6	22.0

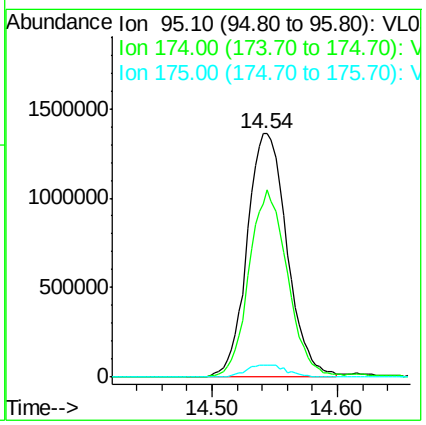


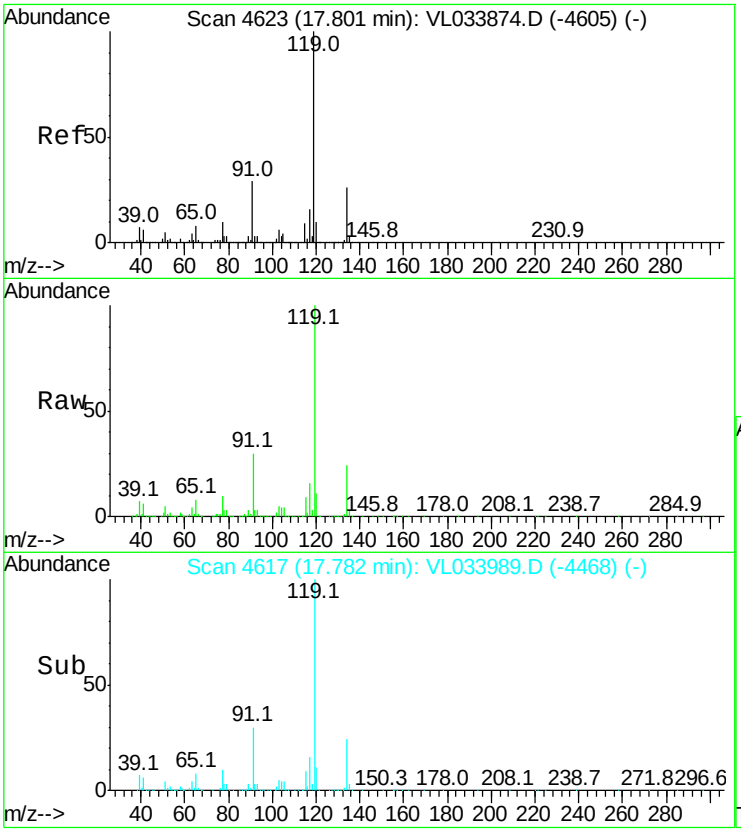


#68
1-Bromo-4-Fluorobenzene
Concen: 9.977 ppbv
RT: 14.54 min Scan# 3609
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 95 Resp: 3010246

Ion	Ratio	Lower	Upper
95	100		
174	75.6	54.0	81.0
175	5.0	3.8	5.8



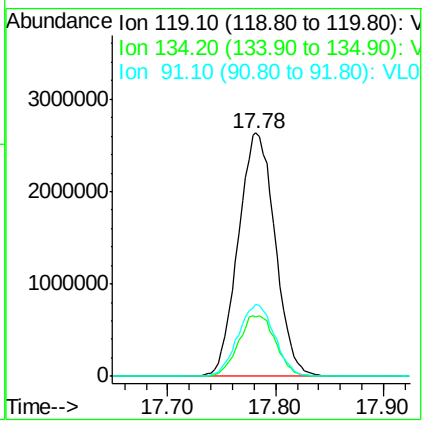


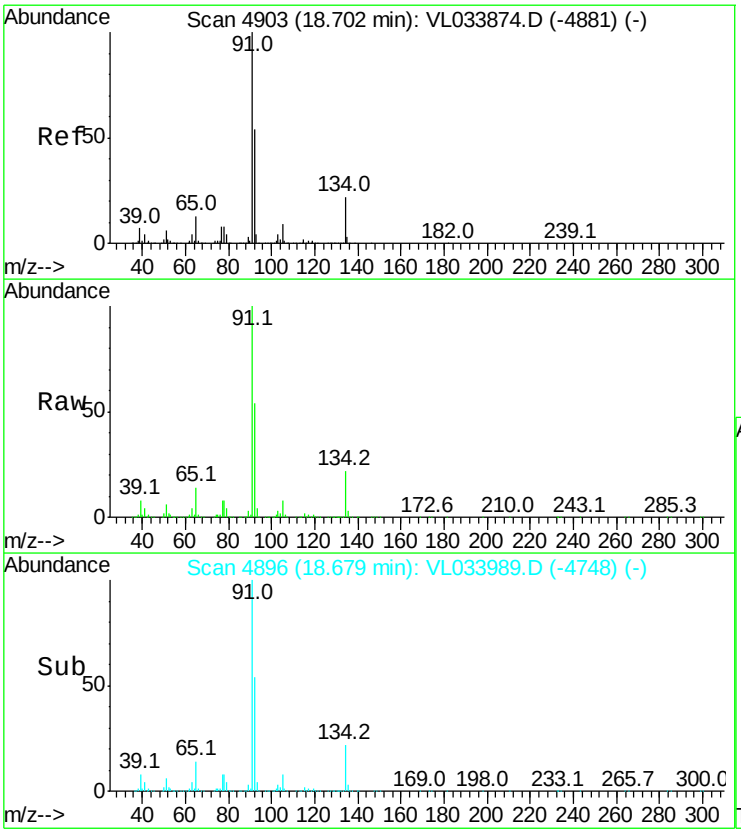
#69
p-Isopropyltoluene
Concen: 11.047 ppbv
RT: 17.78 min Scan# 4617
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 6252804

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.5	23.8	35.6

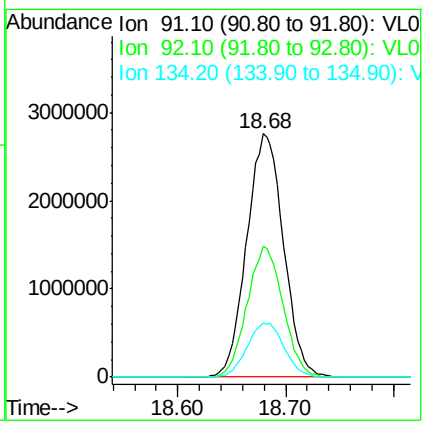


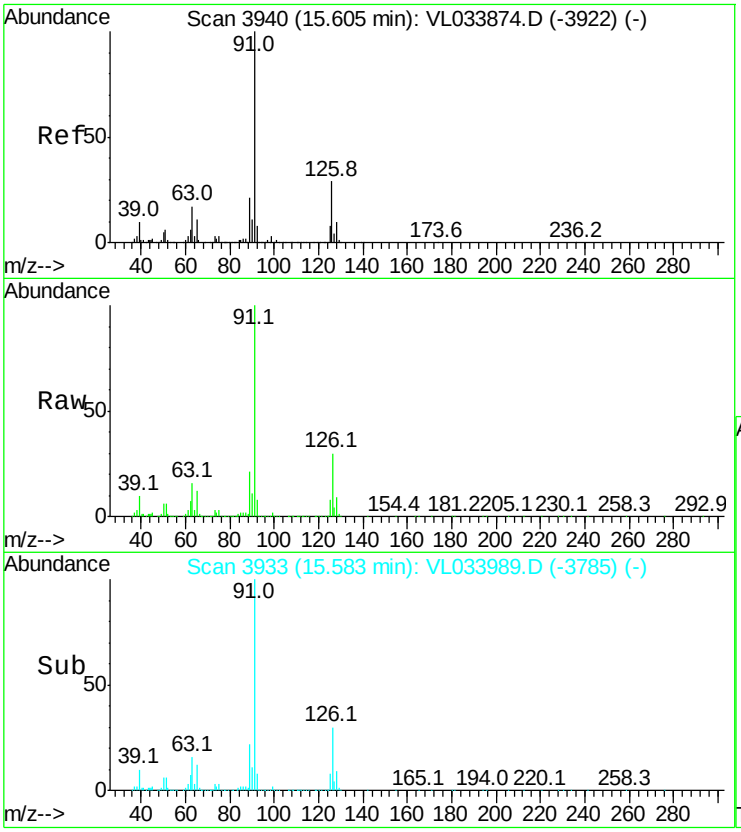


#70
n-Butylbenzene
Concen: 10.523 ppbv
RT: 18.68 min Scan# 4896
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion: 91 Resp: 6523775

Ion	Ratio	Lower	Upper
91	100		
92	52.5	42.5	63.7
134	22.4	17.8	26.6



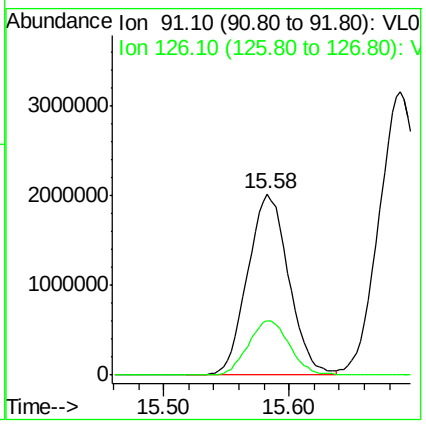


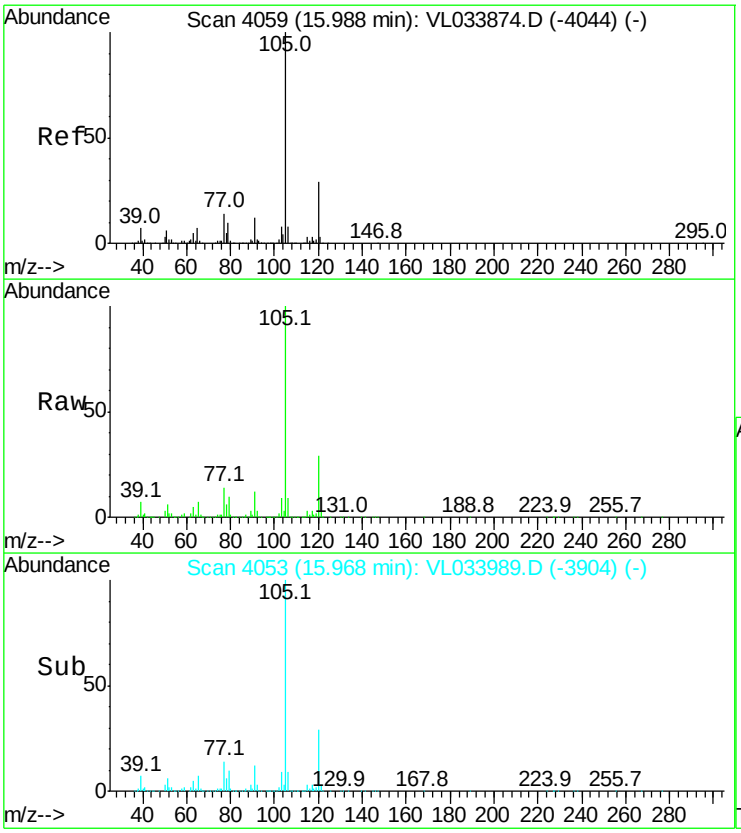
#71
2-Chlorotoluene
Concen: 11.947 ppbv
RT: 15.58 min Scan# 3933
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 4612311

Ion	Ratio	Lower	Upper
91	100		
126	30.8	12.0	48.2

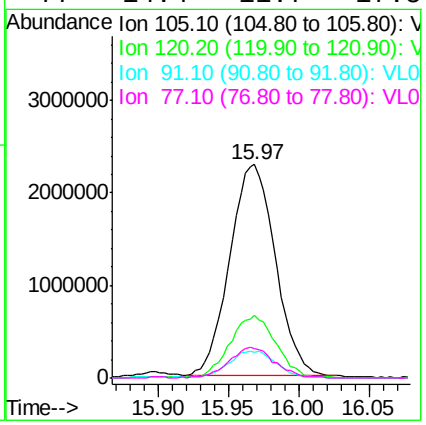


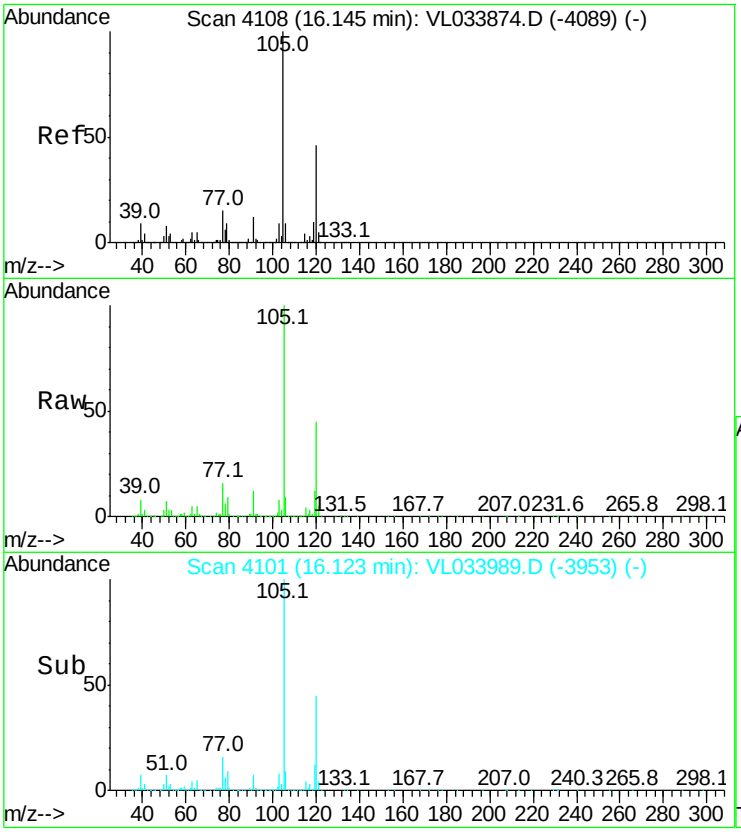


#72
4-Ethyltoluene
Concen: 11.731 ppbv
RT: 15.97 min Scan# 4053
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:105 Resp: 5190529

Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.5	35.3
91	13.3	10.4	15.6
77	14.4	11.7	17.5



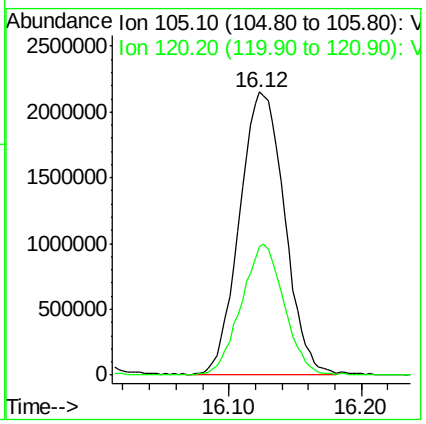


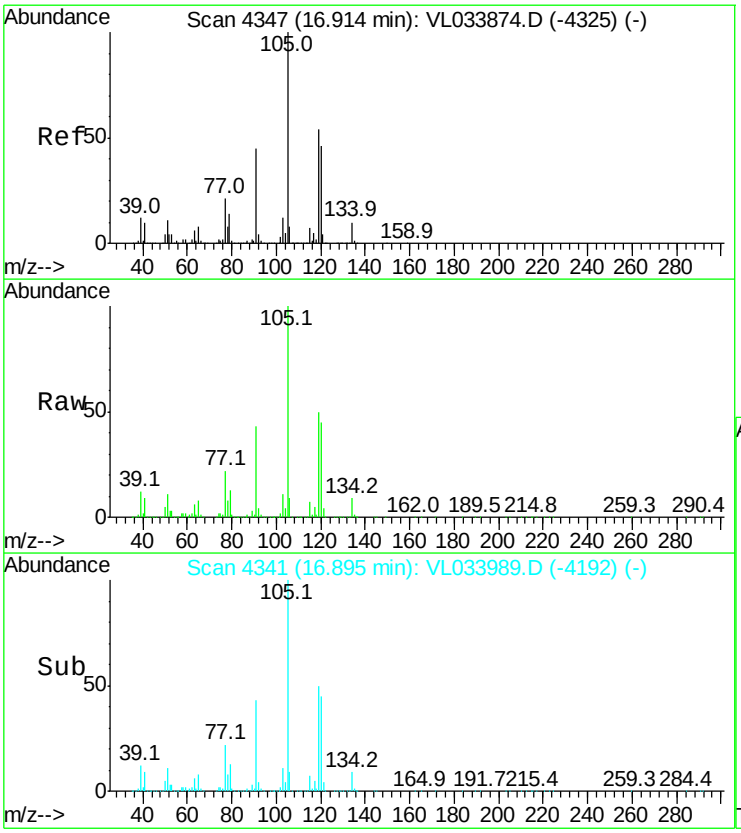
#73
1,3,5-Trimethylbenzene
Concen: 11.648 ppbv
RT: 16.12 min Scan# 4101
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 5076509

Ion	Ratio	Lower	Upper
105	100		
120	45.5	37.1	55.7

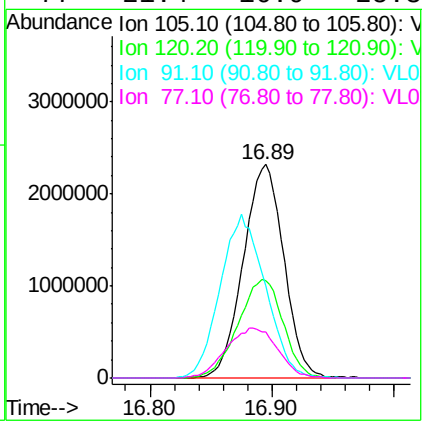


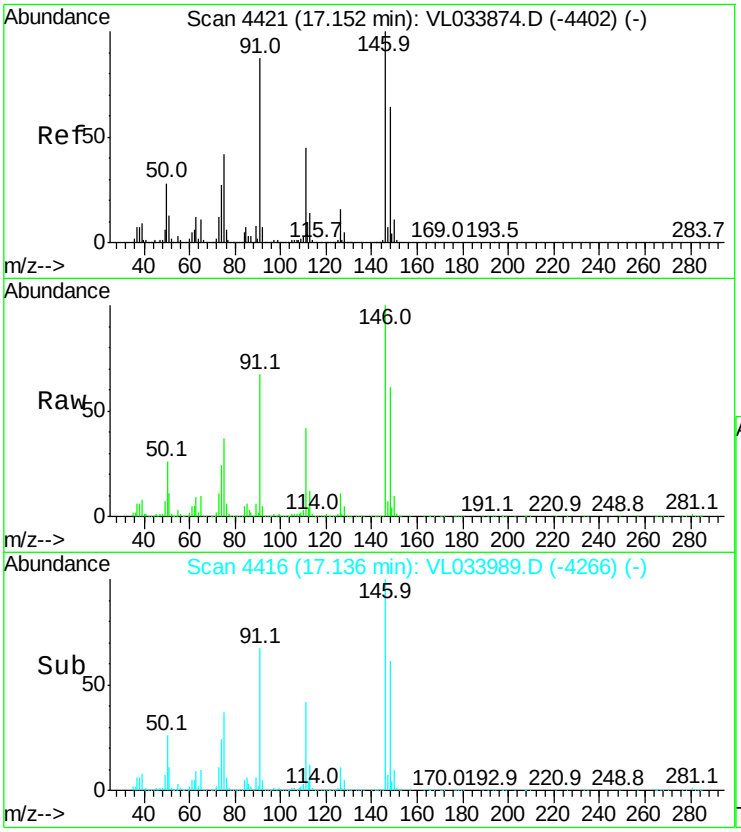


#74
1,2,4-Trimethylbenzene
Concen: 10.609 ppbv
RT: 16.89 min Scan# 4341
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:105 Resp: 5329208

Ion	Ratio	Lower	Upper
105	100		
120	45.2	36.7	55.1
91	42.9	35.8	53.8
77	21.4	16.9	25.3



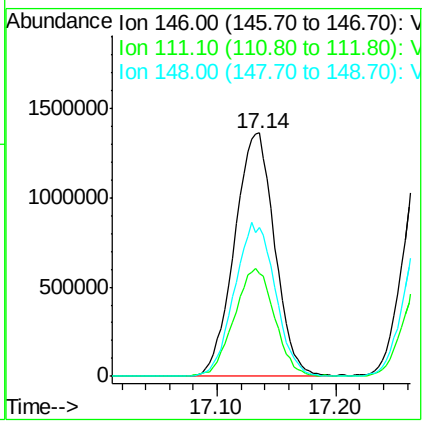


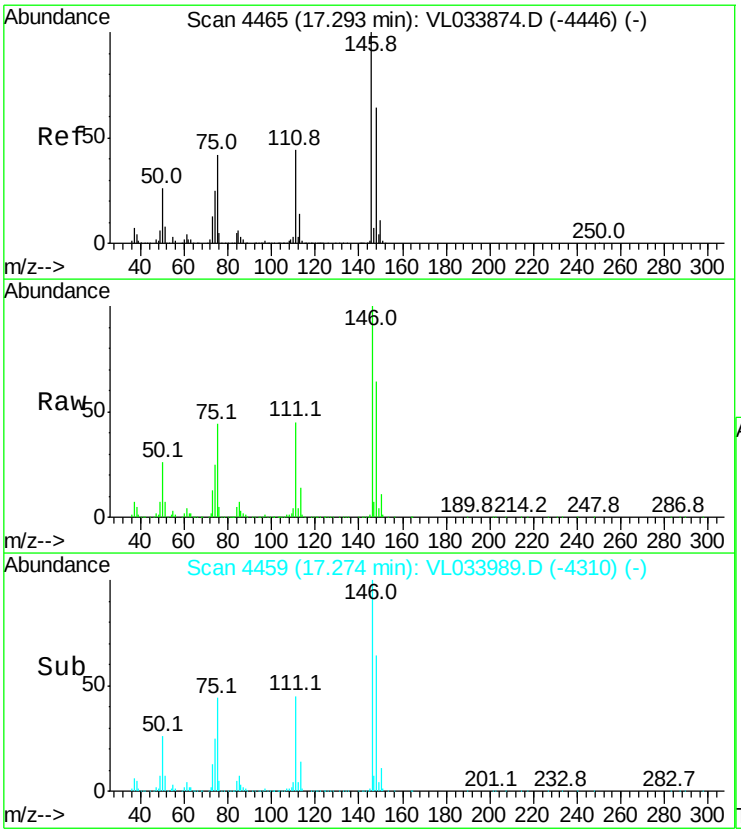
#75
1,3-Dichlorobenzene
Concen: 10.124 ppbv
RT: 17.14 min Scan# 4416
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 3184850

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.8	68.3
148	64.1	32.2	96.6

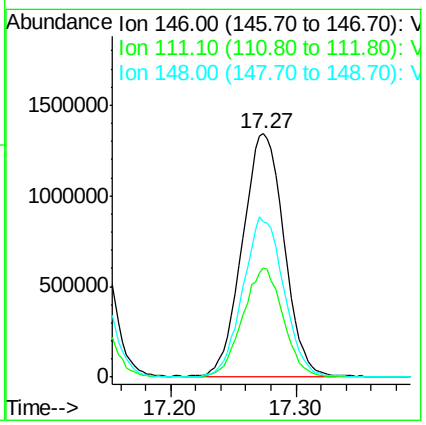


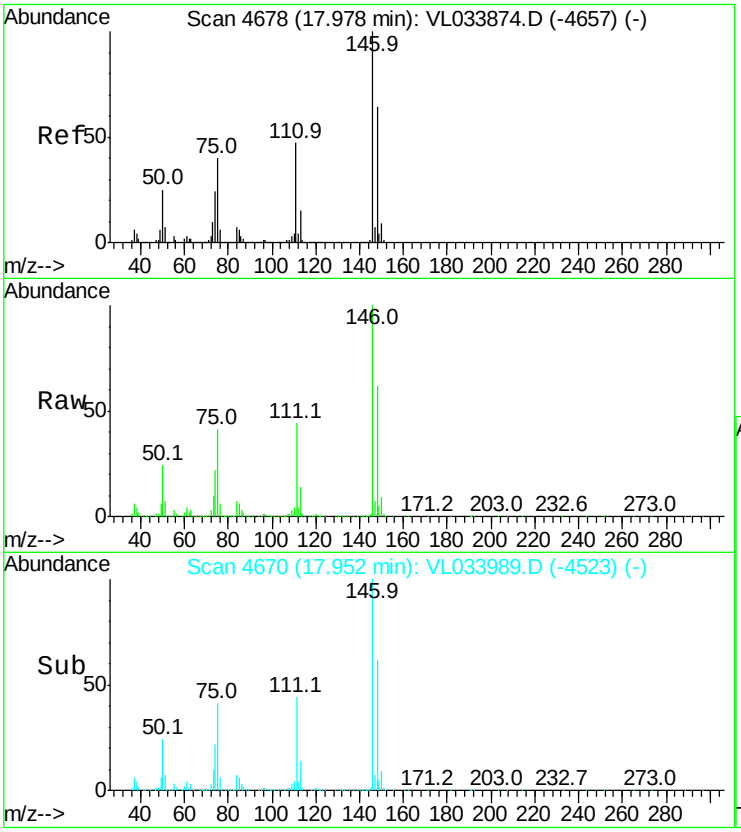


#76
1,4-Dichlorobenzene
Concen: 10.702 ppbv
RT: 17.27 min Scan# 4459
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:146 Resp: 3091337

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.1	66.5
148	65.0	32.4	97.0



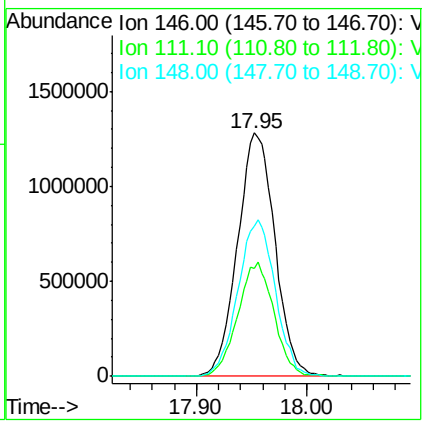


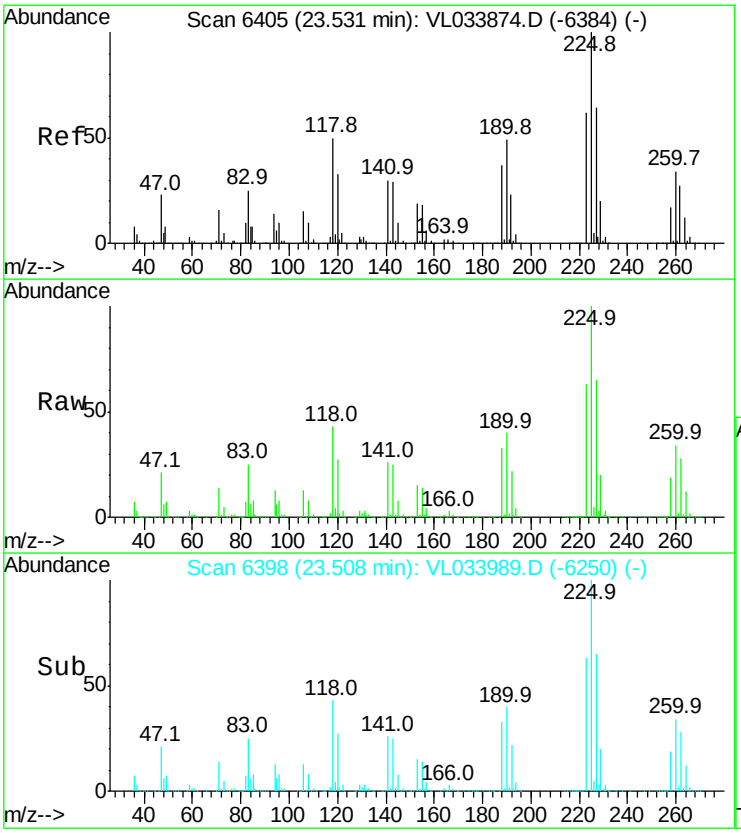
#77
1,2-Dichlorobenzene
Concen: 10.346 ppbv
RT: 17.95 min Scan# 4670
Delta R.T. -0.03 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 3003404

Ion	Ratio	Lower	Upper
146	100		
111	45.4	23.4	70.0
148	64.2	31.8	95.4

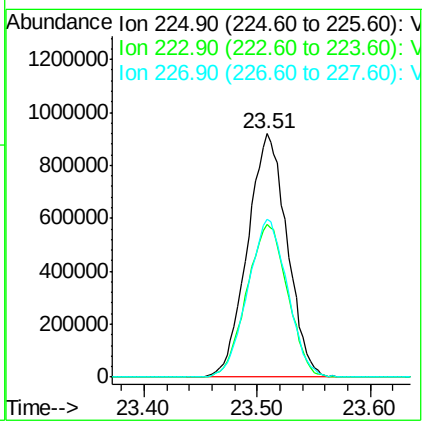


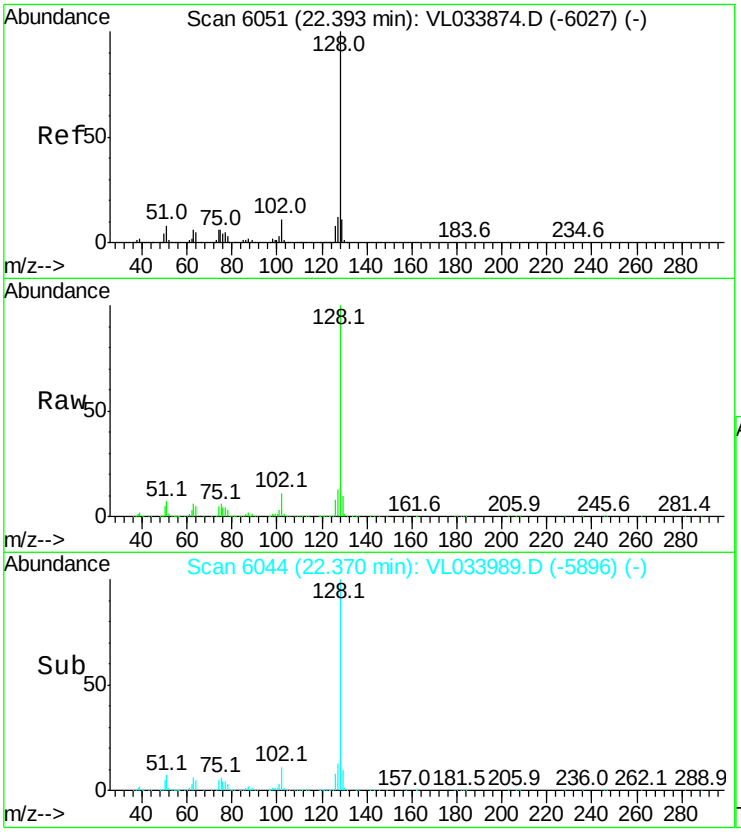


#78
Hexachloro-1,3-Butadiene
Concen: 9.868 ppbv
RT: 23.51 min Scan# 6398
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:225 Resp: 2237526

Ion	Ratio	Lower	Upper
225	100		
223	64.4	50.8	76.2
227	65.1	51.8	77.6



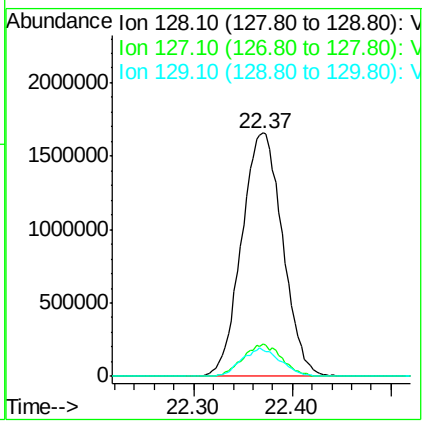


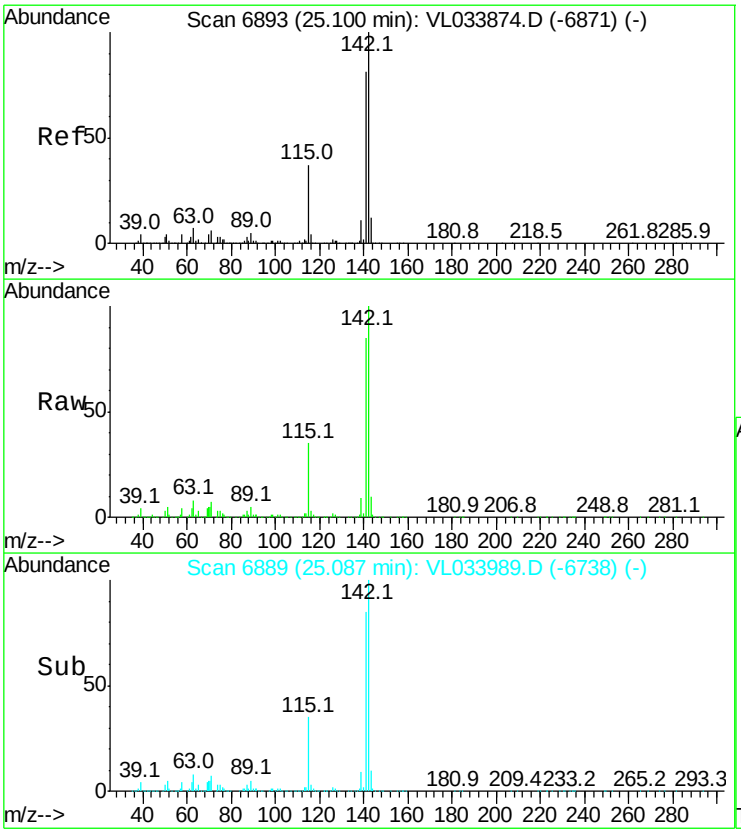
#79
Naphthalene
Concen: 11.851 ppbv
RT: 22.37 min Scan# 6044
Delta R.T. -0.02 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 4758556

Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.7	14.5
129	10.4	8.6	12.8

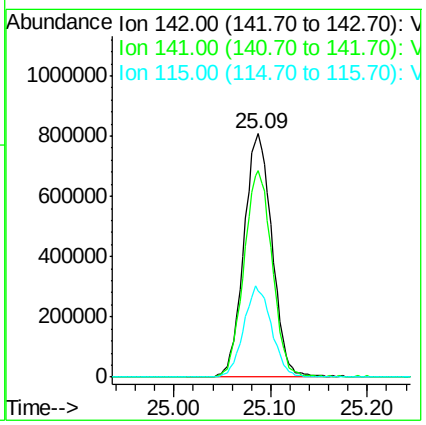


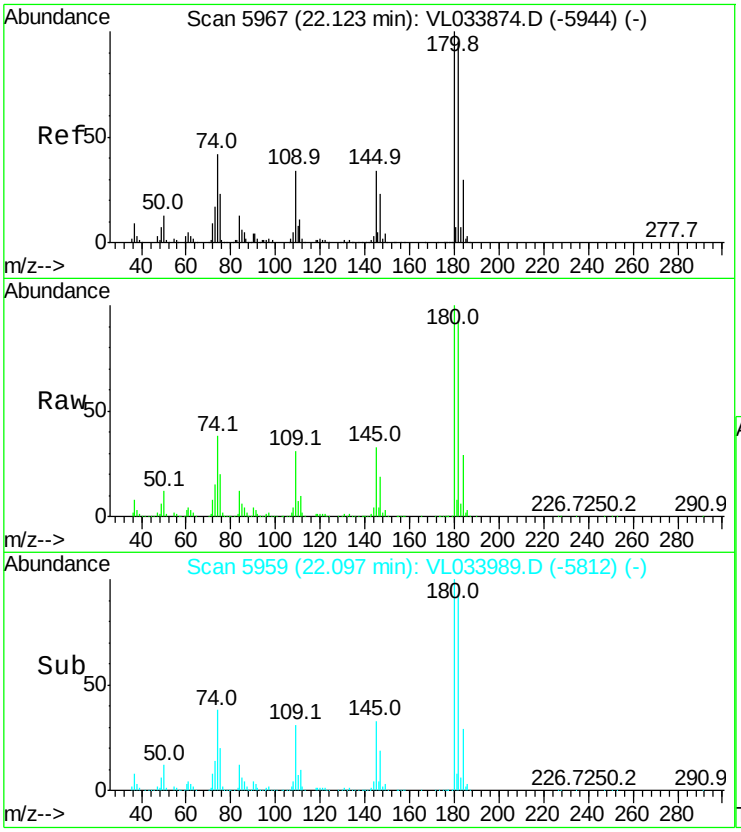


#80
Naphthalene,2-methyl-
Concen: 10.169 ppbv
RT: 25.09 min Scan# 6889
Delta R.T. -0.01 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Tgt Ion:142 Resp: 1629060

Ion	Ratio	Lower	Upper
142	100		
141	85.2	65.7	98.5
115	37.4	28.9	43.3





#81
1,2,4-Trichlorobenzene
Concen: 11.239 ppbv
RT: 22.10 min Scan# 5959
Delta R.T. -0.03 min
Lab File: VL033989.D
Acq: 2 Jul 2019 13:40

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 2849162

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.9	115.3
184	30.7	24.5	36.7