Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062619\

Quantitation Report (Not Reviewed)

Data File : VL033964.D
Acq On : 26 Jun 2019 11:44
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jun 27 01:21:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.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	943377	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.27	114	2204365	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.21	117	2763942	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.55	95	1809785	7.97	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 79.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1616354	10.559	ppbv	100
3) Chlorodifluoromethane	3.00	51	1129729	10.173	ppbv	98
4) Chloromethane	3.16	50	590029	9.314	ppbv	98
5) Vinyl Chloride	3.28	62	605536	10.302	ppbv	98
6) Bromomethane	3.50	94	393831	10.086	ppbv	90
7) Chloroethane	3.59	64	230965	9.936	ppbv	94
8) Dichlorotetrafluoroethane	3.21	85	1587656	9.705	ppbv	99
9) Propene	3.03	41	446545	10.746	ppbv	100
10) Heptane	8.22	43	1145515	10.906	ppbv	100
11) Trichlorofluoromethane	3.99	101	1917222	9.706	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1304243	9.770	ppbv	99
13) Ethanol	3.64	45	155699	11.516	ppbv	97
14) Bromoethene	3.77	108	522055	10.495	ppbv	99
15) Acetone	3.89	43	1415159	10.286	ppbv	99
16) 1,3-Butadiene	3.35	39	533222	10.182	ppbv	100
17) tert-Butyl alcohol	4.34	59	1252180	11.642	ppbv	100
18) 1,1-Dichloroethene	4.34	96	569834	10.106	ppbv	95
19) Isopropyl Alcohol	4.01	45	947422	12.054	ppbv	99
20) Methylene Chloride	4.39	84	474504	8.844	ppbv	99
21) Allyl Chloride	4.46	41	807371	10.330	ppbv	100
22) trans-1,2-Dichloroethene	4.94	96	599212	10.082	ppbv	99
23) Vinyl Acetate	5.14	43	1816631	11.359	ppbv	99
24) 1,1-Dichloroethane	5.07	63	1235267	9.931	ppbv	99
25) Ethyl Acetate	5.75	43	2071315	9.885	ppbv	100
26) Hexane	5.76	57	916812	9.610	ppbv	99
27) Carbon Disulfide	4.60	76	1421738	10.727	ppbv	98
28) Methyl tert-Butyl Ether	5.09	73	1701169	11.792	ppbv	100
29) Chloroform	5.83	83	1588943	9.725	ppbv	97
30) Cyclohexane	7.22	84	756261	11.219	ppbv	100
31) cis-1,2-Dichloroethene	5.62	61	935111	11.178	ppbv	98
32) 1,1,1-Trichloroethane	6.60	97	1676177	10.634	ppbv	100
34) 2-Butanone	5.31	43	1363885	10.967	ppbv	100
35) Carbon Tetrachloride	7.11	117	1747368	10.260	ppbv	97
36) Benzene	6.98	78	1831770	10.878	ppbv	99
37) 1,2-Dichloroethane	6.39	62	1226592	9.850	ppbv	99
38) Trichloroethene	7.94	130	764849	11.666	ppbv	96
39) 1,2-Dichloropropane	7.71	63	696723	10.721	ppbv	94
40) 1,4-Dioxane	7.93	88	284547	10.735	ppbv	87
41) Tetrahydrofuran	6.12	42	731359	11.587	ppbv	99
42) Bromodichloromethane	7.89	83	1731733	10.406	ppbv	99
43) Methyl Methacrylate	8.11	69	744810	11.827	ppbv	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062619\

Quantitation Report (Not Reviewed)

Data File : VL033964.D
Acq On : 26 Jun 2019 11:44
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: Jun 27 01:21:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.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	3148415	10.514	ppbv		100
45) t-1,3-Dichloropropene	9.39	75	947777	11.469	ppbv		97
46) cis-1,3-Dichloropropene	8.81	75	1086313	11.474	ppbv		98
47) 1,1,2-Trichloroethane	9.59	97	782027	10.094	ppbv		97
48) Dibromochloromethane	10.43	129	1487079	10.681	ppbv		100
49) Bromoform	13.17	173	1317429	10.719	ppbv		99
50) 4-Methyl-2-Pentanone	8.84	43	1983679	10.697	ppbv		100
51) 2-Hexanone	10.25	43	1622414	11.204	ppbv	#	100
52) Tetrachloroethene	11.34	164	711698	12.012	ppbv		98
53) Toluene	9.92	91	2136649	11.466	ppbv		99
54) 1,2-Dibromoethane	10.73	107	1238200	10.602	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.25	131	998062	8.266	ppbv		99
57) Chlorobenzene	12.27	112	1679831	8.115	ppbv		97
58) Ethyl Benzene	12.83	91	2952612	9.475	ppbv		98
59) m/p-Xylene	13.12	91	2849492	10.056	ppbv	#	46
60) o-Xylene	13.82	91	2570326	8.785	ppbv		100
61) Styrene	13.66	104	1808647	9.552	ppbv		99
62) Isopropylbenzene	14.80	105	3456990	8.766	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.81	83	1806961	8.205	ppbv		99
64) n-propylbenzene	15.69	120	896451	8.877	ppbv		98
65) tert-Butylbenzene	16.88	119	3205357	8.785	ppbv		100
66) Benzyl Chloride	17.13	91	1455930	7.874	ppbv		99
67) sec-Butylbenzene	17.43	105	4444848	8.683	ppbv		100
69) p-Isopropyltoluene	17.79	119	3729797	8.757	ppbv		100
70) n-Butylbenzene	18.69	91	3881802	8.321	ppbv		100
71) 2-Chlorotoluene	15.59	91	2679547	9.224	ppbv		99
72) 4-Ethyltoluene	15.97	105	3003577	9.021	ppbv		99
73) 1,3,5-Trimethylbenzene	16.13	105	2894096	8.825	ppbv		99
74) 1,2,4-Trimethylbenzene	16.90	105	3036021	8.032	ppbv		97
75) 1,3-Dichlorobenzene	17.14	146	1752454	7.403	ppbv		99
76) 1,4-Dichlorobenzene	17.28	146	1697252	7.809	ppbv		100
77) 1,2-Dichlorobenzene	17.96	146	1667071	7.631	ppbv		99
78) Hexachloro-1,3-Butadiene	23.51	225	1281825	7.513	ppbv		99
79) Naphthalene	22.37	128	2419255	8.007	ppbv		99
80) Naphthalene,2-methyl-	25.09	142	757150	6.281	ppbv	#	94
81) 1,2,4-Trichlorobenzene	22.10	180	1350150	7.078	ppbv		100

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

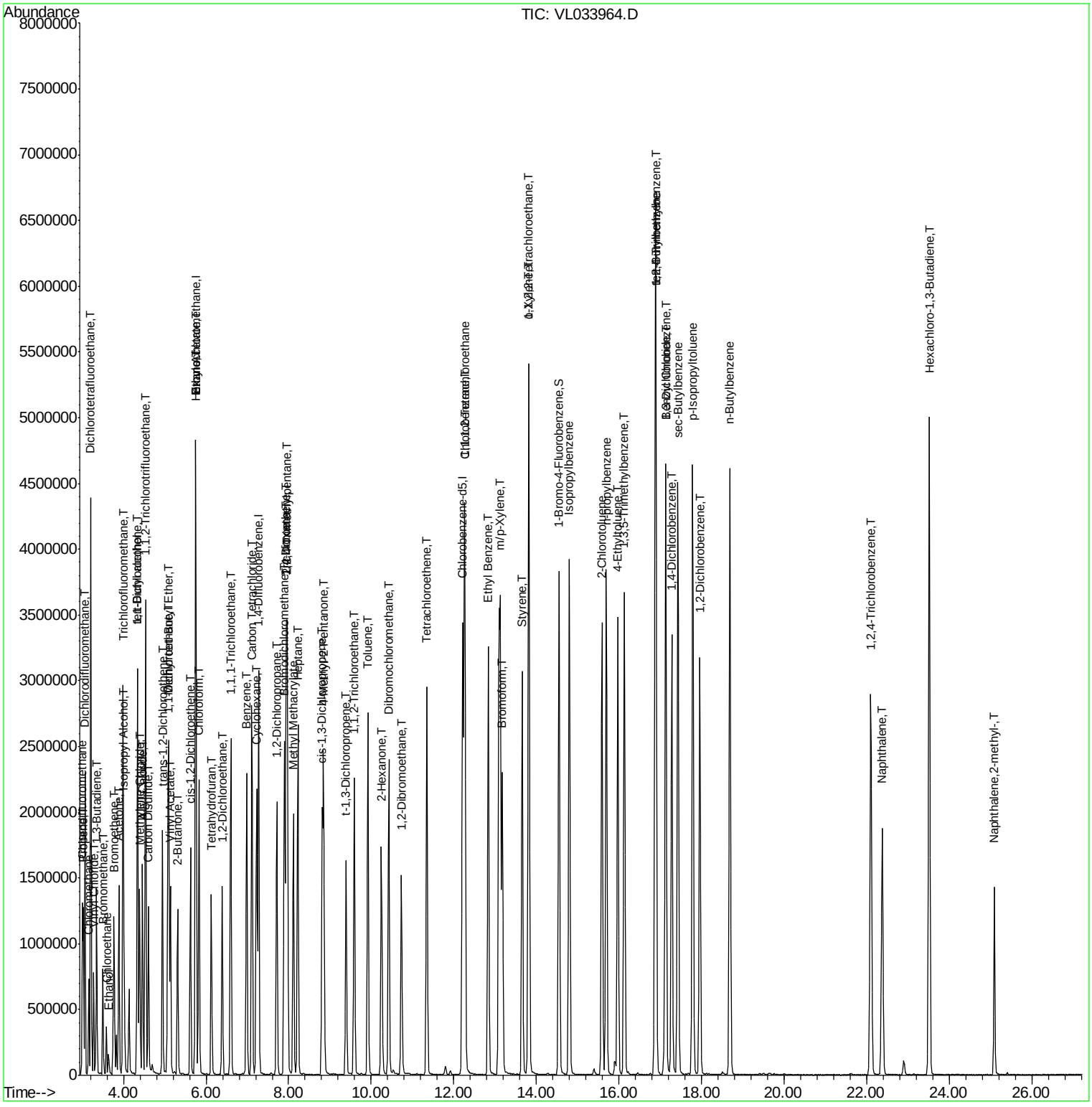
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062619\

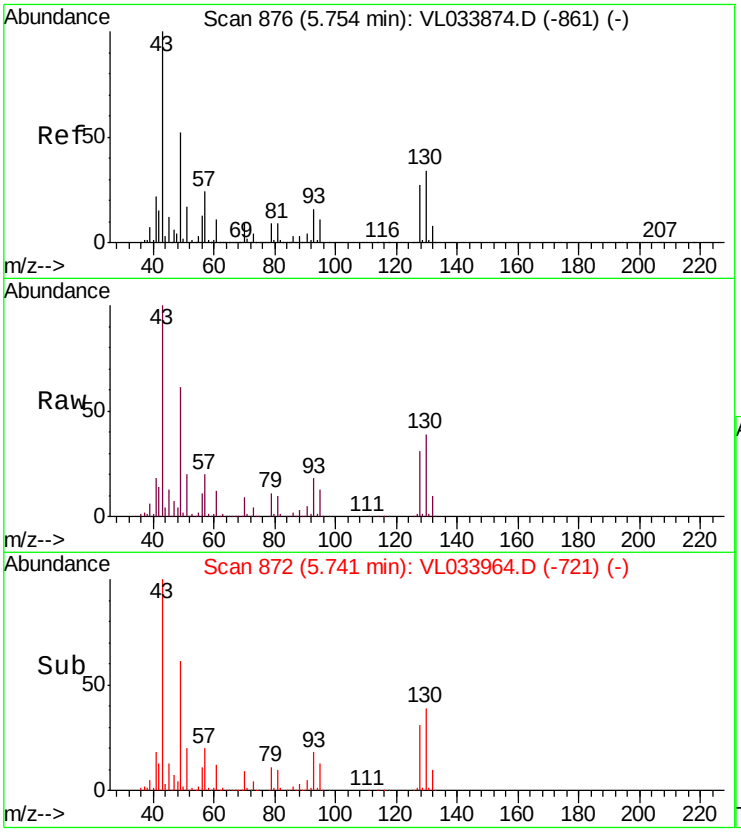
Quantitation Report (Not Reviewed)

Data File : VL033964.D
Acq On : 26 Jun 2019 11:44
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jun 27 01:21:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.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



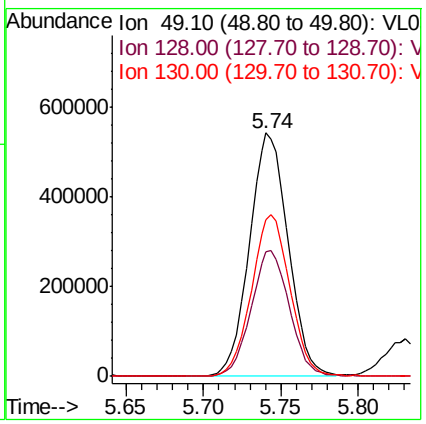


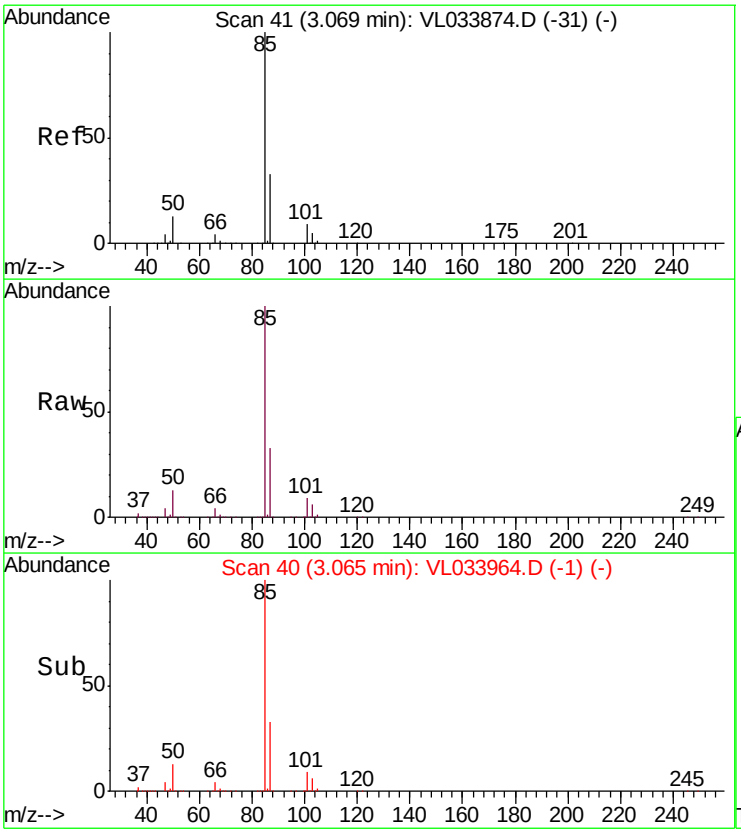
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.74 min Scan# 872
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 943377

Ion	Ratio	Lower	Upper
49	100		
128	51.2	25.5	76.5
130	66.1	32.5	97.4

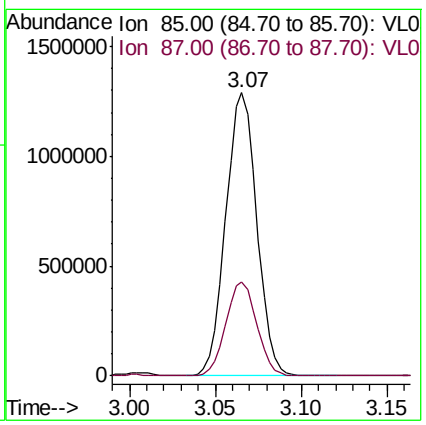


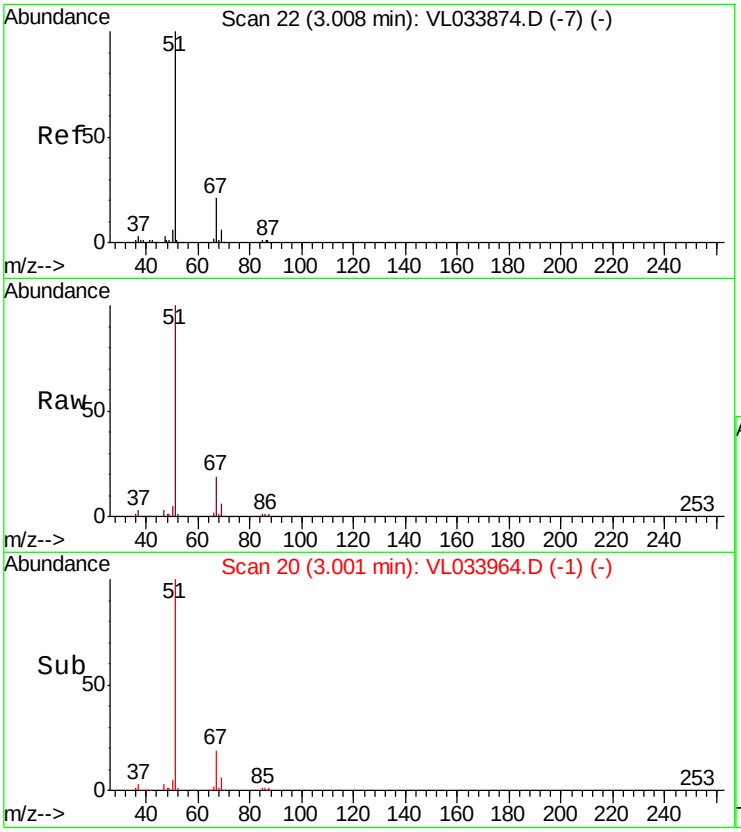


#2
Dichlorodifluoromethane
Concen: 10.559 ppbv
RT: 3.07 min Scan# 40
Delta R.T. -0.00 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 85 Resp: 1616354

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.6	40.0



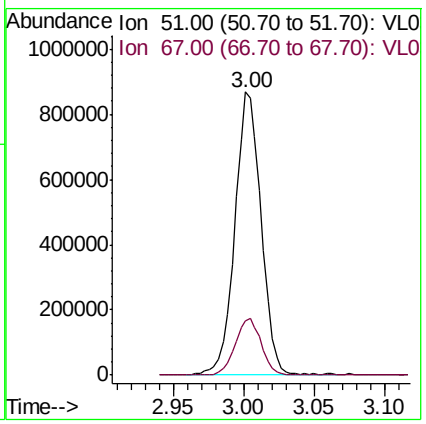


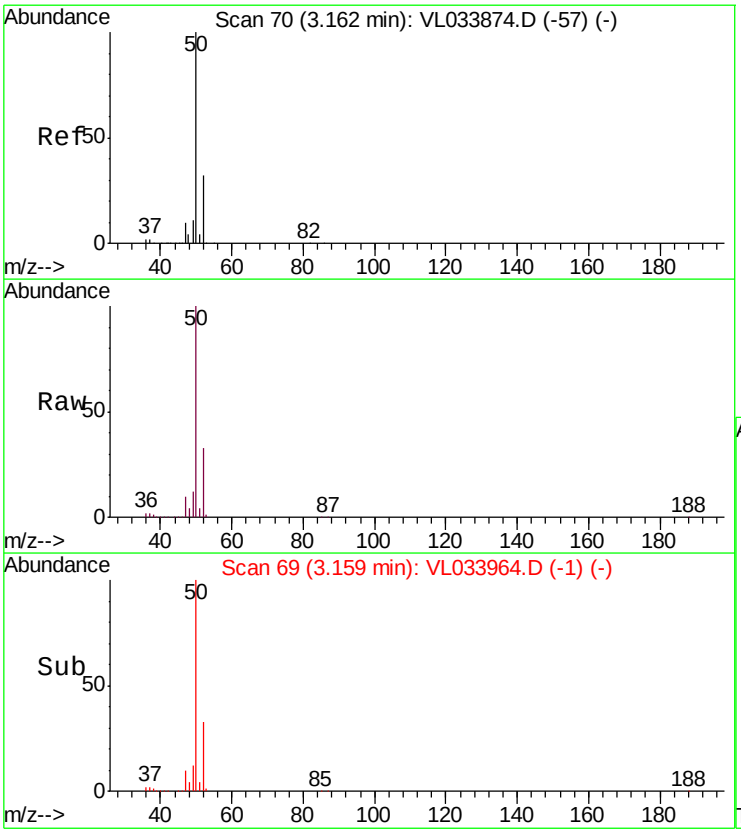
#3
Chlorodifluoromethane
Concen: 10.173 ppbv
RT: 3.00 min Scan# 20
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 1129729

Ion	Ratio	Lower	Upper
51	100		
67	19.8	16.4	24.6

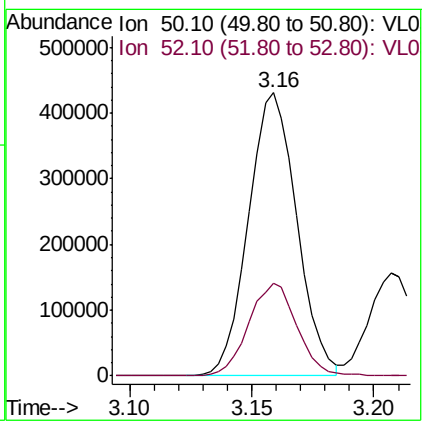


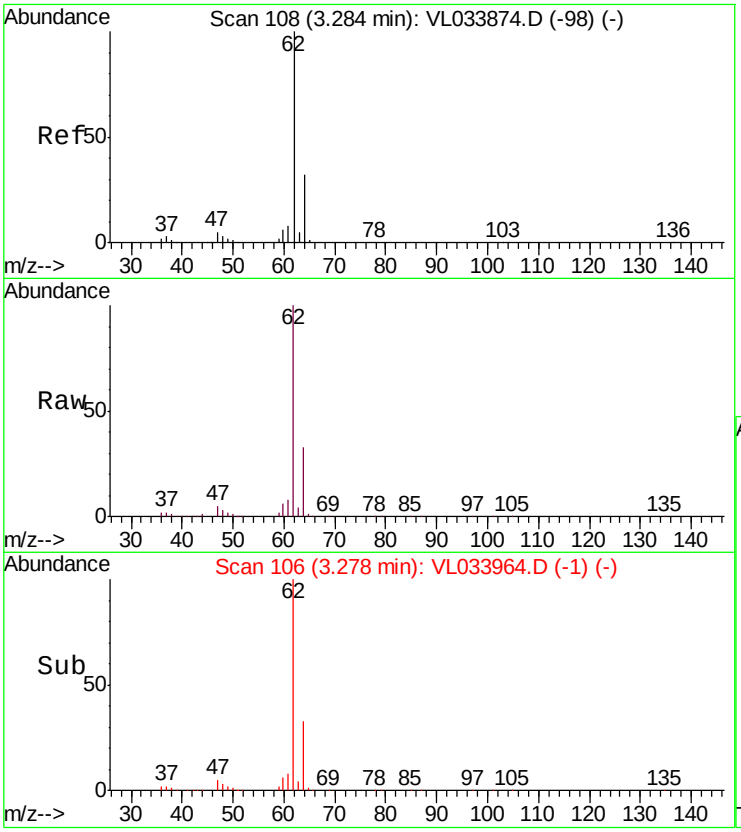


#4
Chloromethane
Concen: 9.314 ppbv
RT: 3.16 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 50 Resp: 590029

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.4	38.0



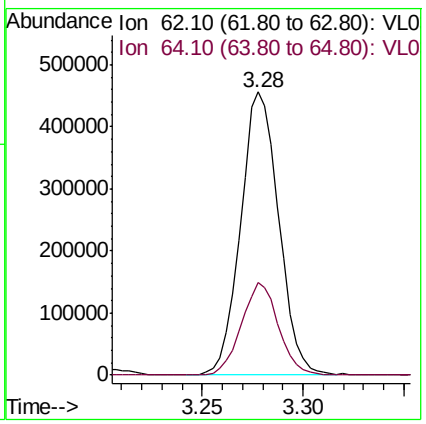


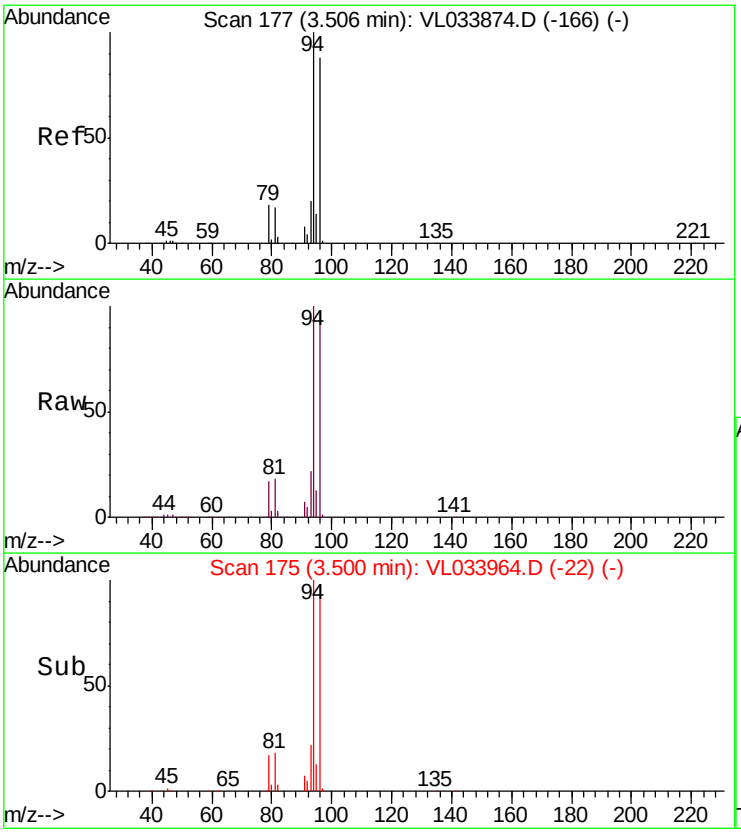
#5
Vinyl Chloride
Concen: 10.302 ppbv
RT: 3.28 min Scan# 106
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 62 Resp: 605536

Ion	Ratio	Lower	Upper
62	100		
64	32.6	25.2	37.8

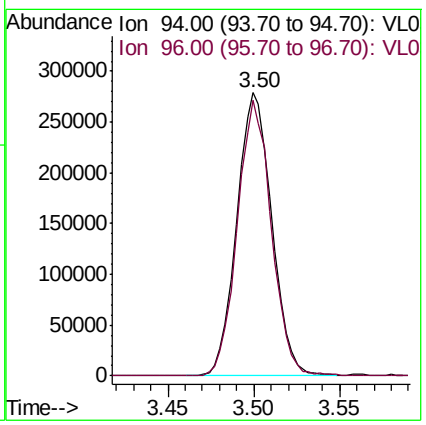


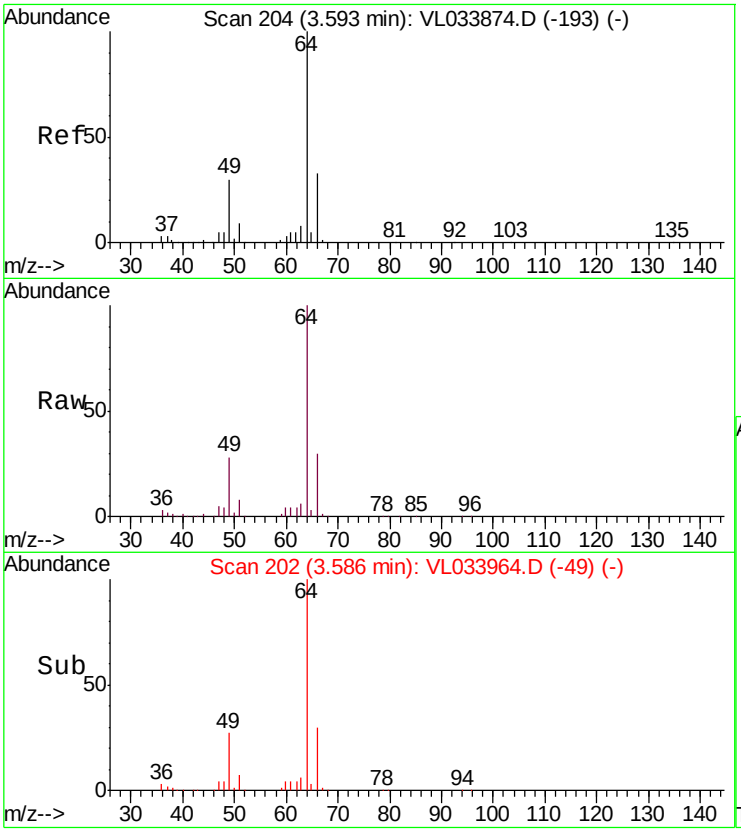


#6
Bromomethane
Concen: 10.086 ppbv
RT: 3.50 min Scan# 175
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 94 Resp: 393831

Ion	Ratio	Lower	Upper
94	100		
96	97.1	70.2	105.2



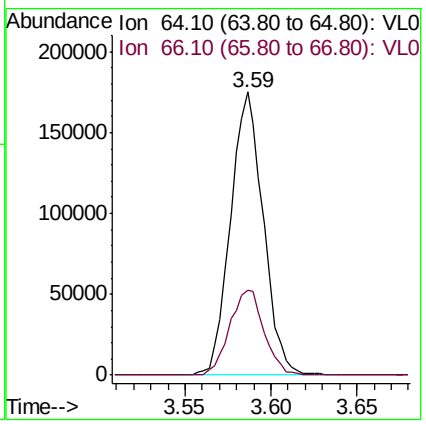


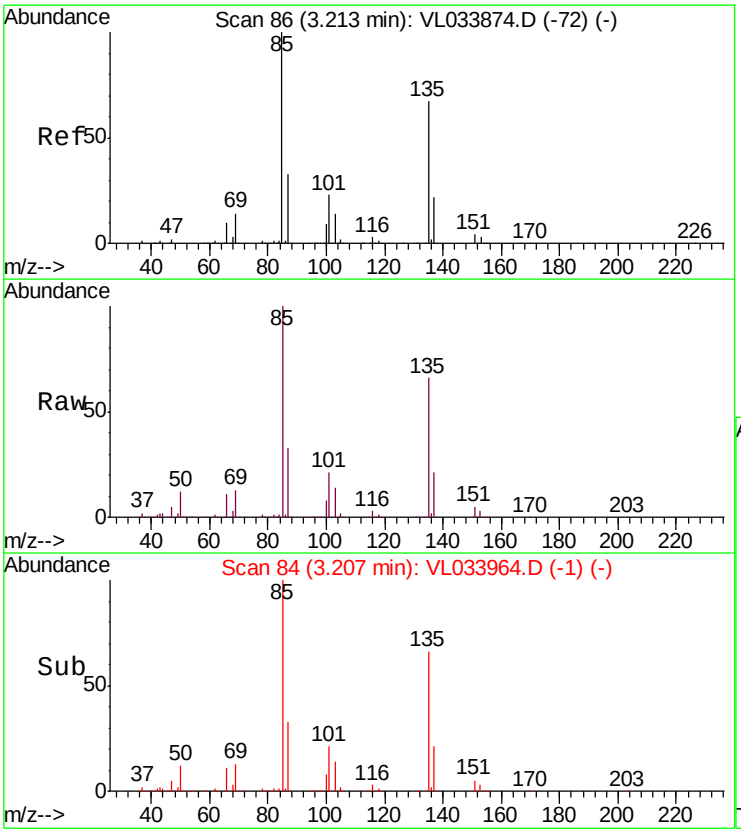
#7
Chloroethane
Concen: 9.936 ppbv
RT: 3.59 min Scan# 202
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 64 Resp: 230965

Ion	Ratio	Lower	Upper
64	100		
66	29.9	26.7	40.1

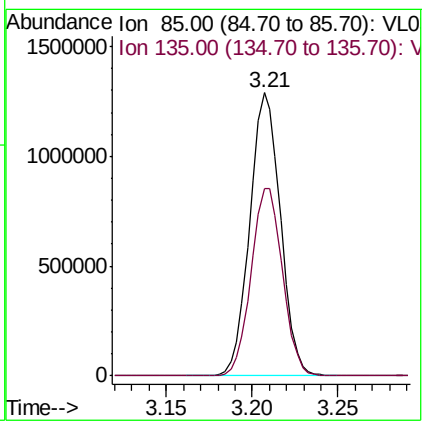


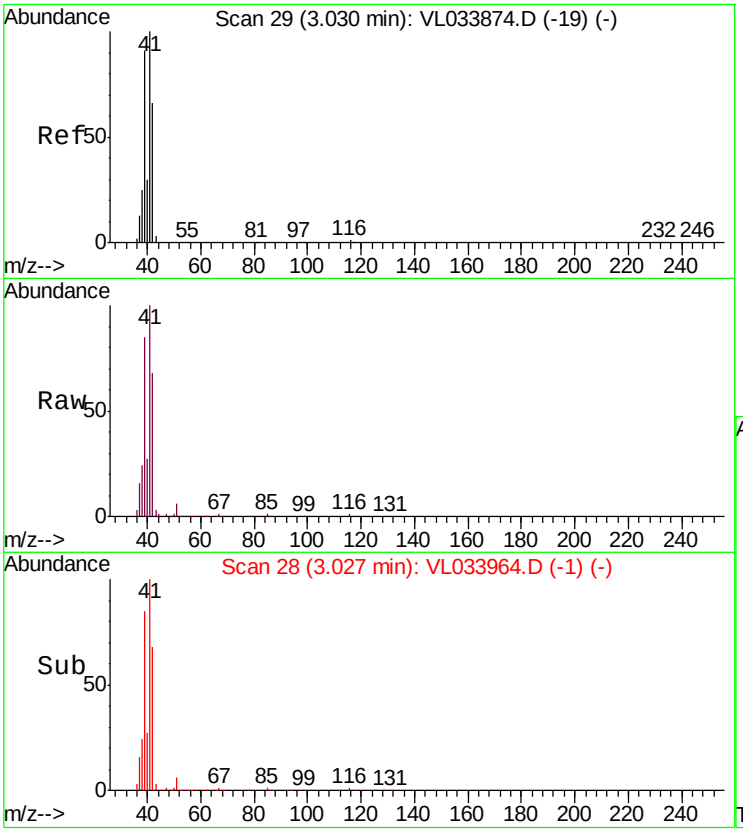


#8
Dichlorotetrafluoroethane
Concen: 9.705 ppbv
RT: 3.21 min Scan# 84
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 85 Resp: 1587656

Ion	Ratio	Lower	Upper
85	100		
135	68.2	53.7	80.5



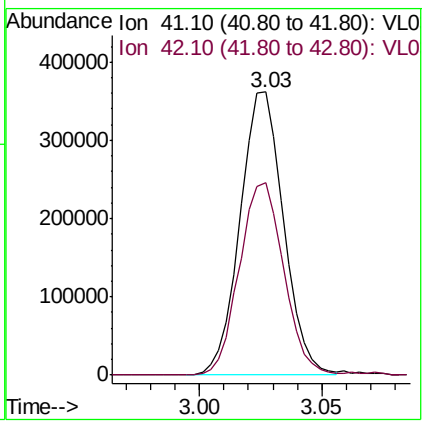


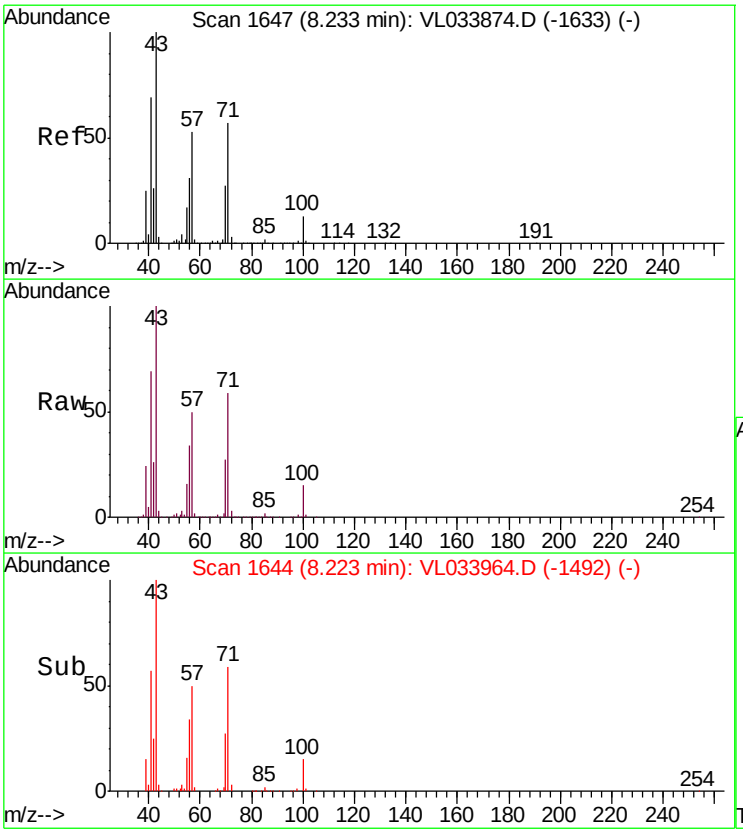
#9
Propene
Concen: 10.746 ppbv
RT: 3.03 min Scan# 28
Delta R.T. -0.00 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 446545

Ion	Ratio	Lower	Upper
41	100		
42	70.4	56.3	84.5

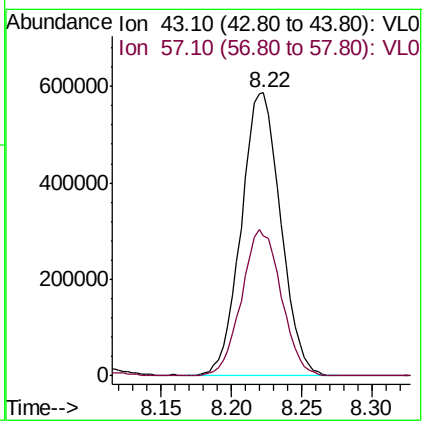


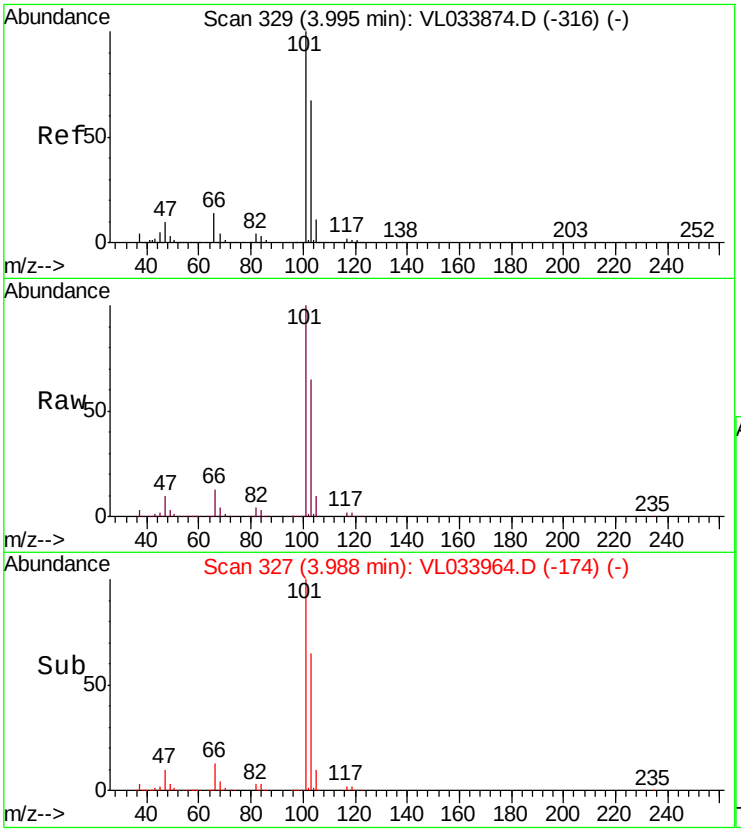


#10
Heptane
Concen: 10.906 ppbv
RT: 8.22 min Scan# 1644
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 43 Resp: 1145515

Ion	Ratio	Lower	Upper
43	100		
57	52.4	41.7	62.5



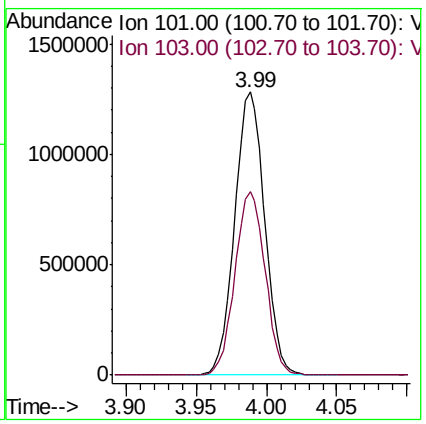


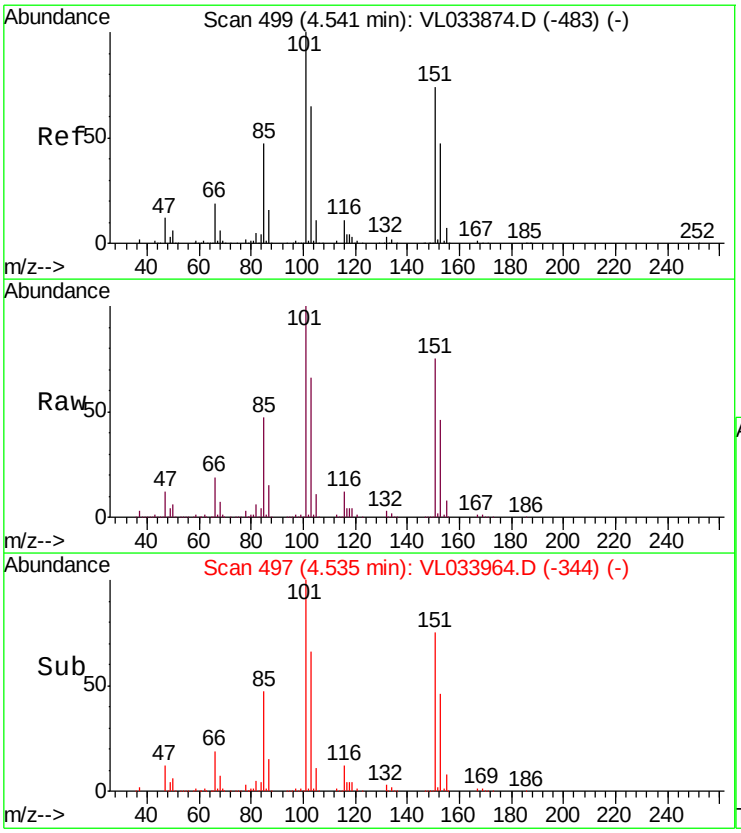
#11
Trichlorofluoromethane
Concen: 9.706 ppbv
RT: 3.99 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1917222

Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.6	80.4

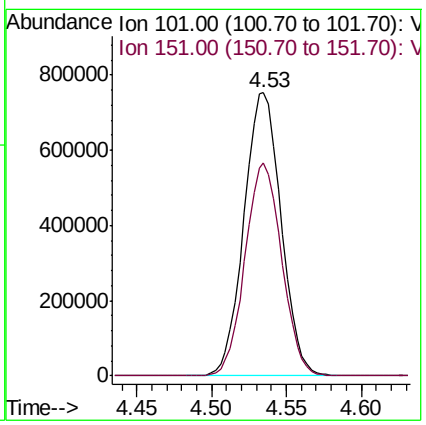


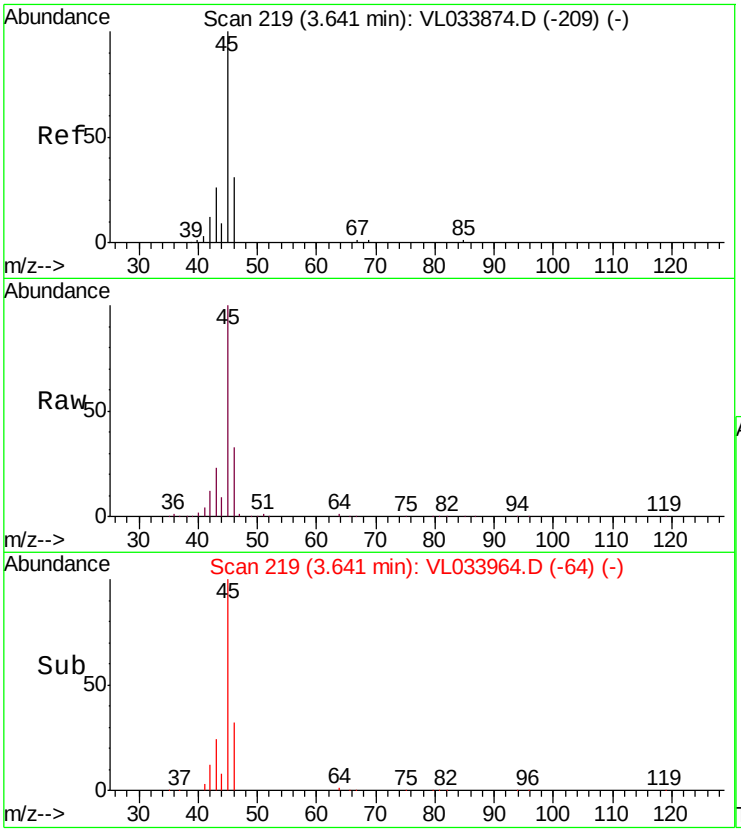


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.770 ppbv
RT: 4.53 min Scan# 497
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:101 Resp: 1304243

Ion	Ratio	Lower	Upper
101	100		
151	74.1	58.6	87.8



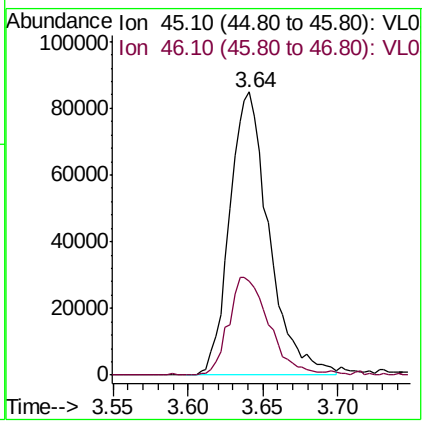


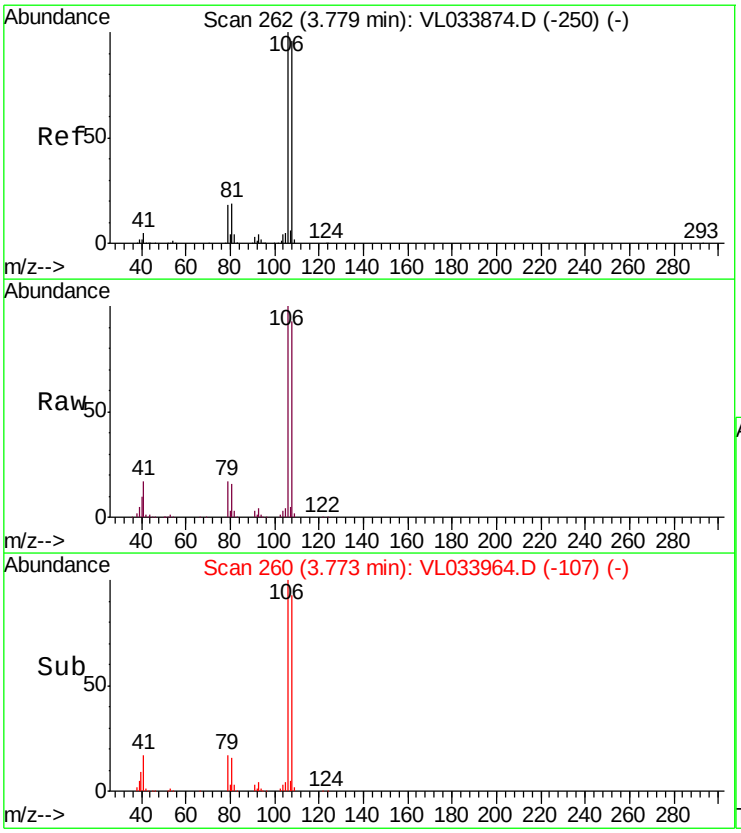
#13
Ethanol
Concen: 11.516 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 155699

Ion	Ratio	Lower	Upper
45	100		
46	36.6	15.3	61.1

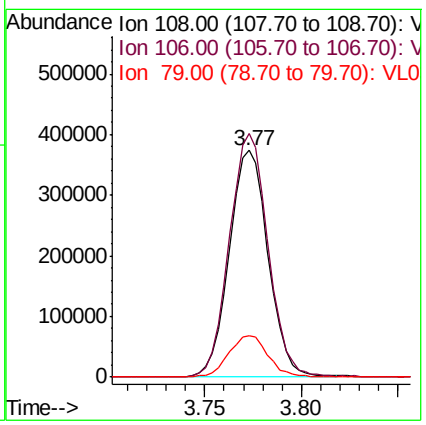


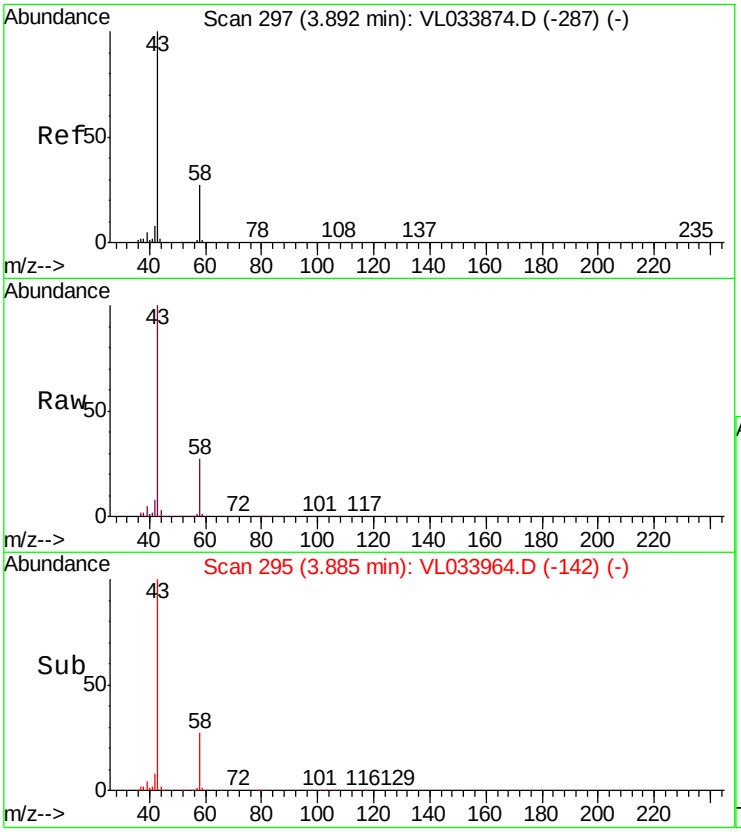


#14
Bromoethene
Concen: 10.495 ppbv
RT: 3.77 min Scan# 260
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:108 Resp: 522055

Ion	Ratio	Lower	Upper
108	100		
106	107.0	84.9	127.3
79	18.9	15.4	23.0



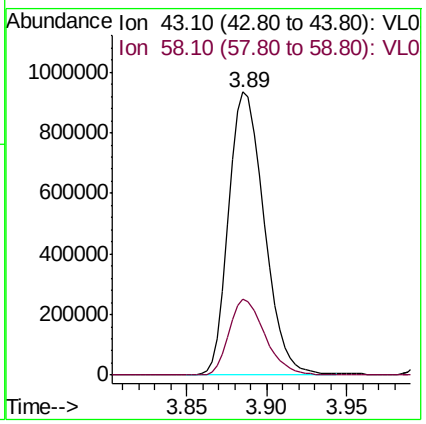


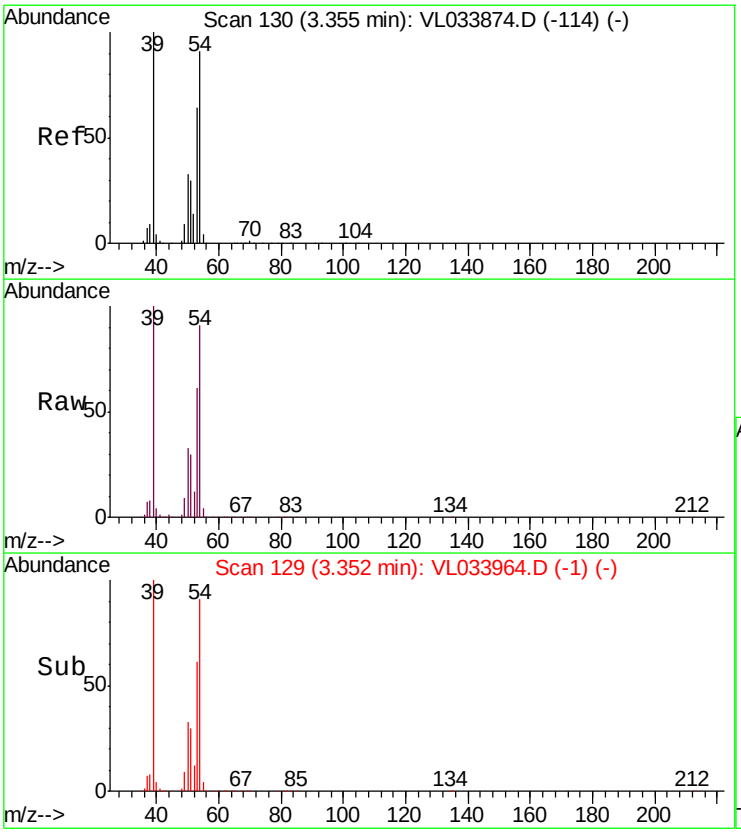
#15
Acetone
Concen: 10.286 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1415159

Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.3	31.9

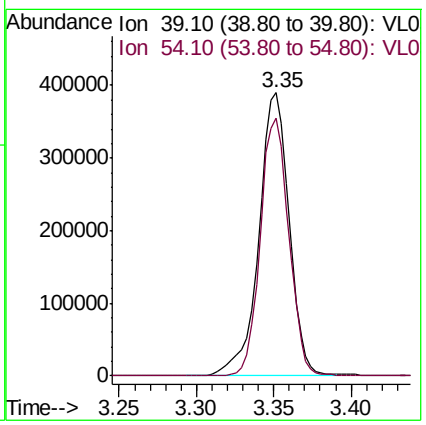


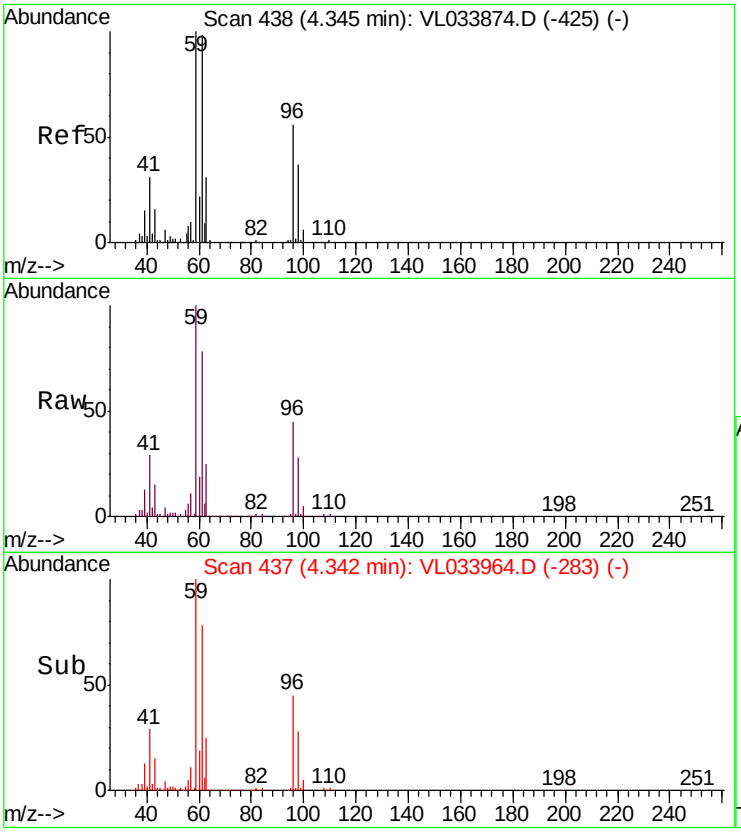


#16
1,3-Butadiene
Concen: 10.182 ppbv
RT: 3.35 min Scan# 129
Delta R.T. -0.00 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 39 Resp: 533222

Ion	Ratio	Lower	Upper
39	100		
54	85.8	68.6	103.0



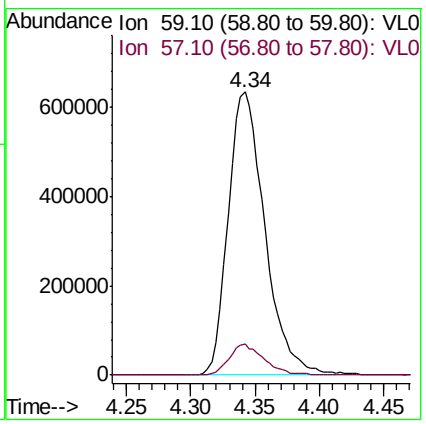


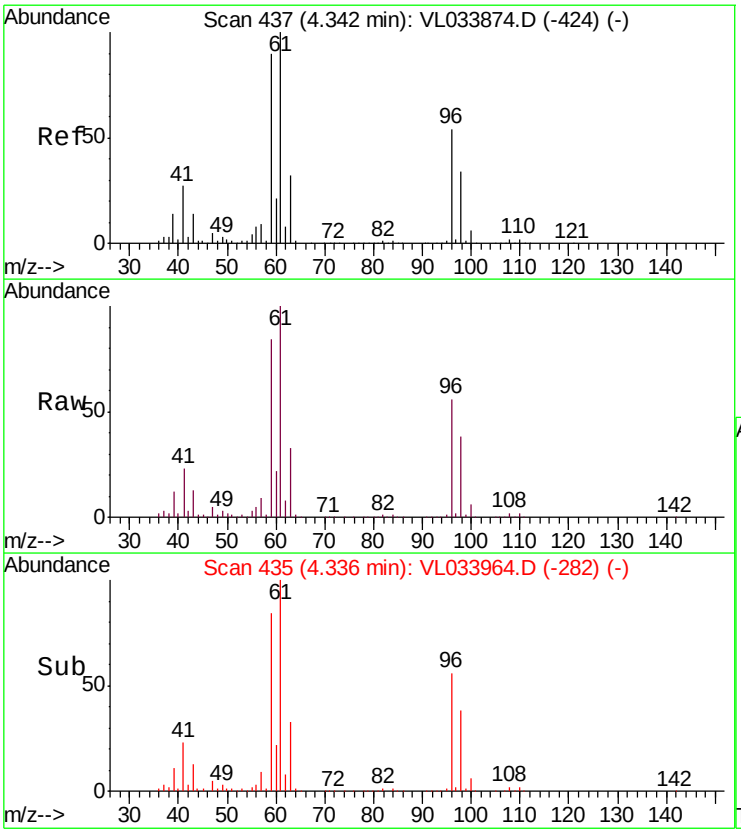
#17
tert-Butyl alcohol
Concen: 11.642 ppbv
RT: 4.34 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1252180

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

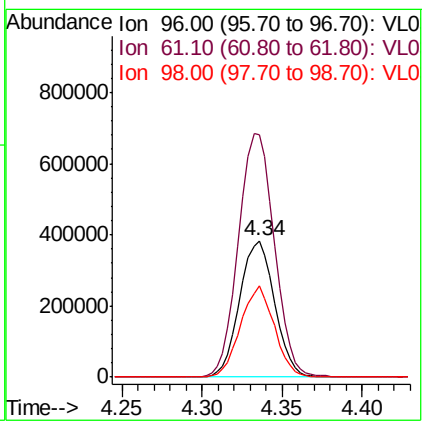


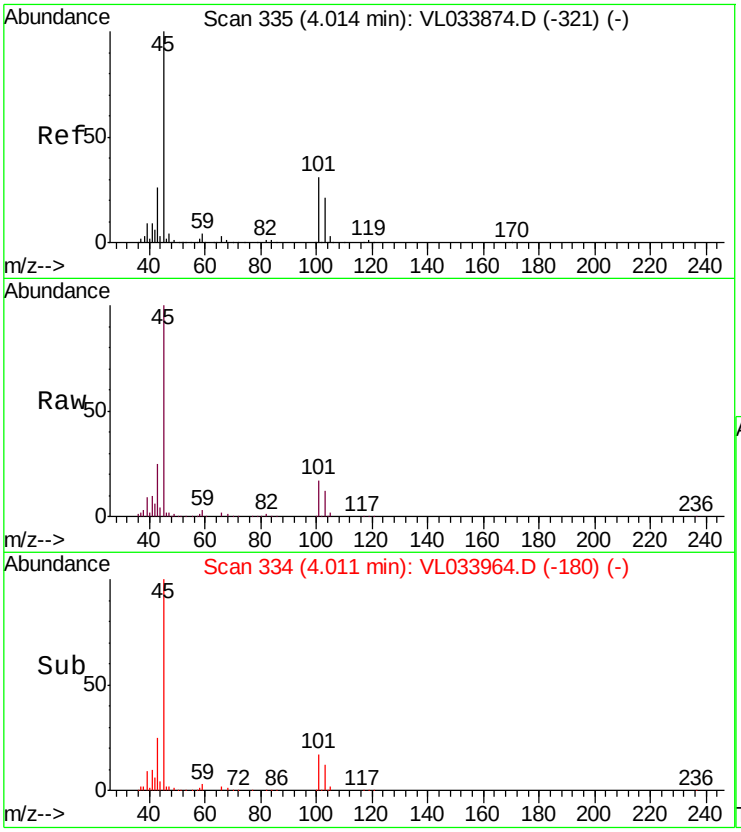


#18
1,1-Dichloroethene
Concen: 10.106 ppbv
RT: 4.34 min Scan# 435
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 96 Resp: 569834

Ion	Ratio	Lower	Upper
96	100		
61	178.0	147.0	220.6
98	67.2	49.4	74.0



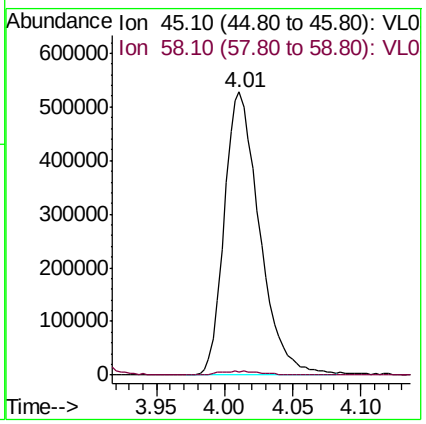


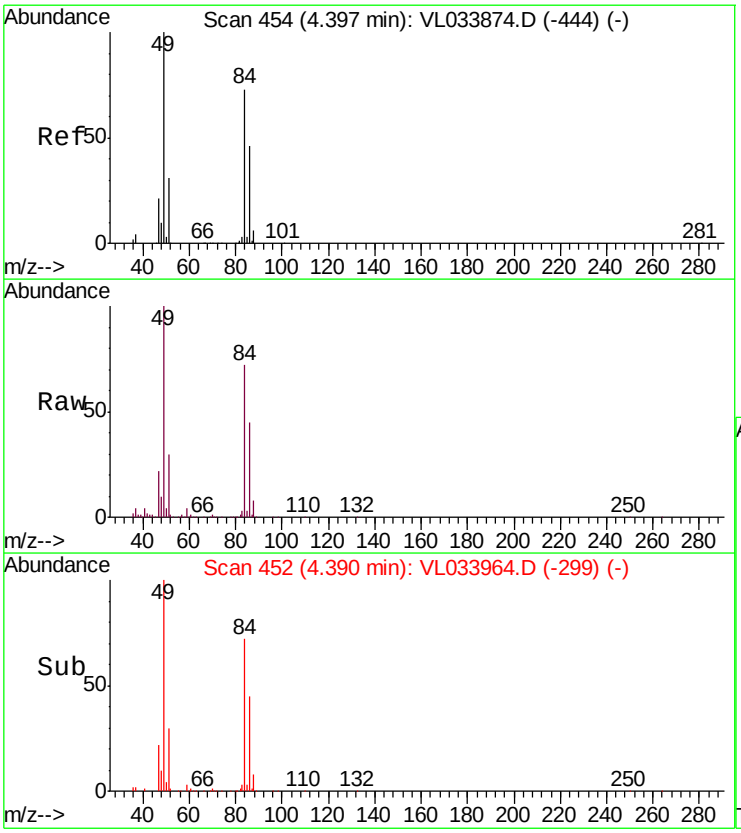
#19
Isopropyl Alcohol
Concen: 12.054 ppbv
RT: 4.01 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 947422

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.8	2.6

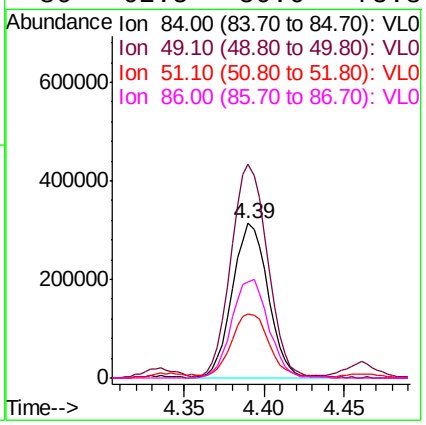


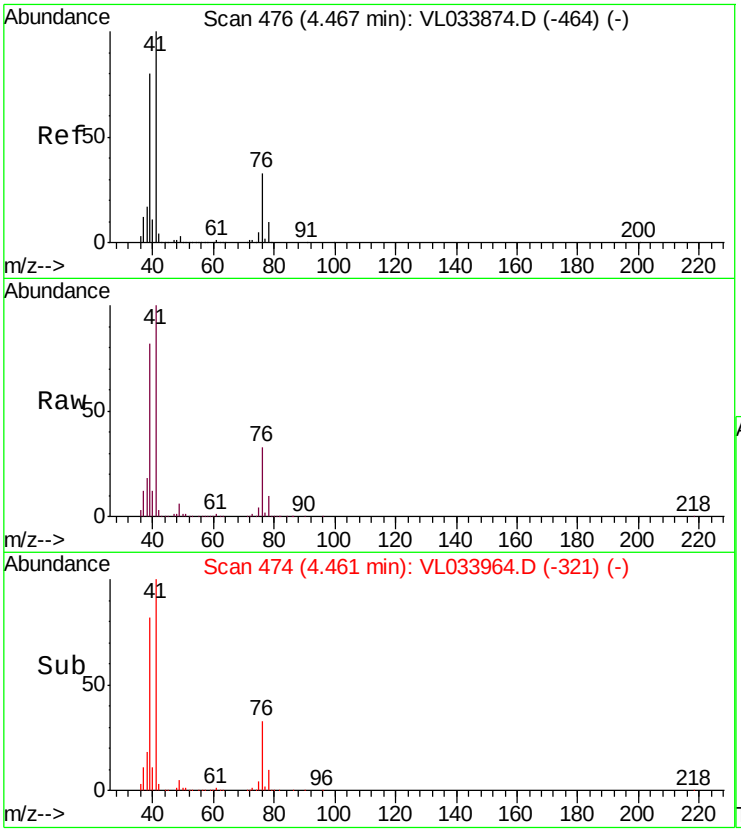


#20
Methylene Chloride
Concen: 8.844 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 84 Resp: 474504

Ion	Ratio	Lower	Upper
84	100		
49	136.6	110.0	165.0
51	40.4	34.6	51.8
86	62.5	50.6	75.8



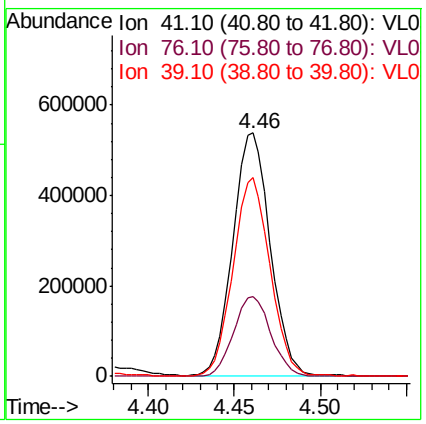


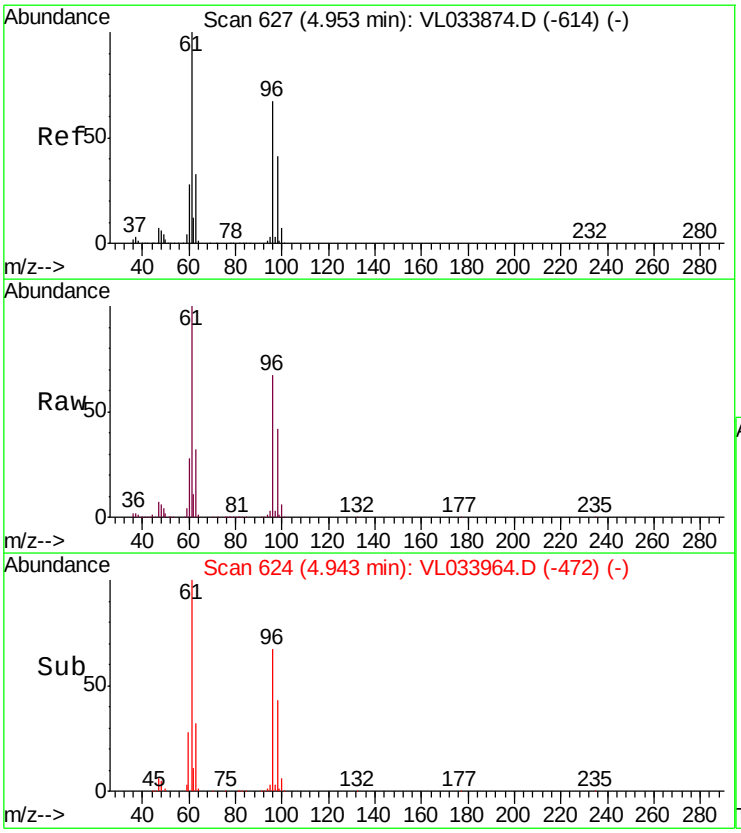
#21
Allyl Chloride
Concen: 10.330 ppbv
RT: 4.46 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 807371

Ion	Ratio	Lower	Upper
41	100		
76	32.9	26.6	39.8
39	81.7	65.2	97.8

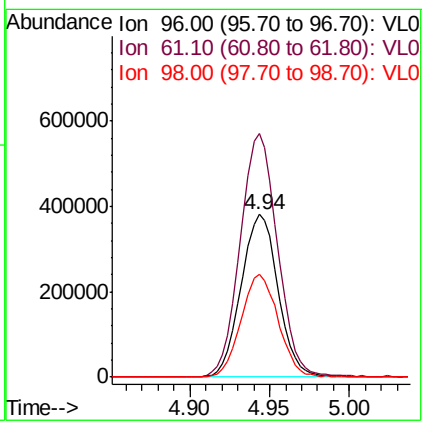


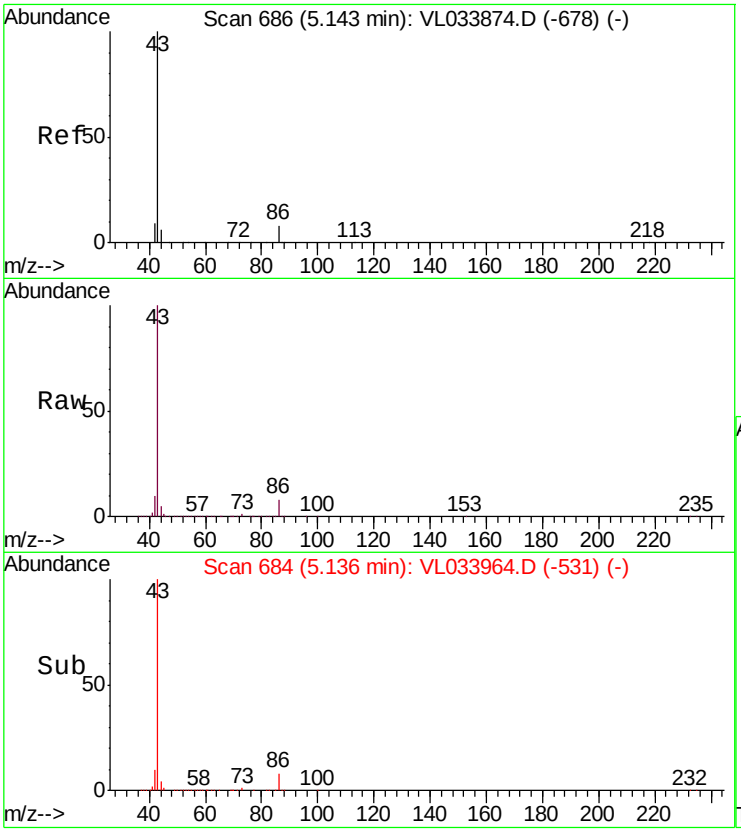


#22
trans-1,2-Dichloroethene
Concen: 10.082 ppbv
RT: 4.94 min Scan# 624
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 96 Resp: 599212

Ion	Ratio	Lower	Upper
96	100		
61	149.6	119.0	178.6
98	63.0	48.3	72.5



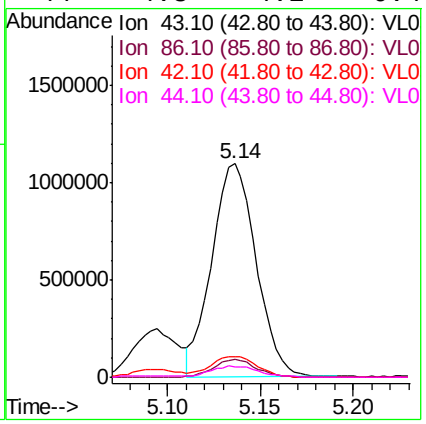


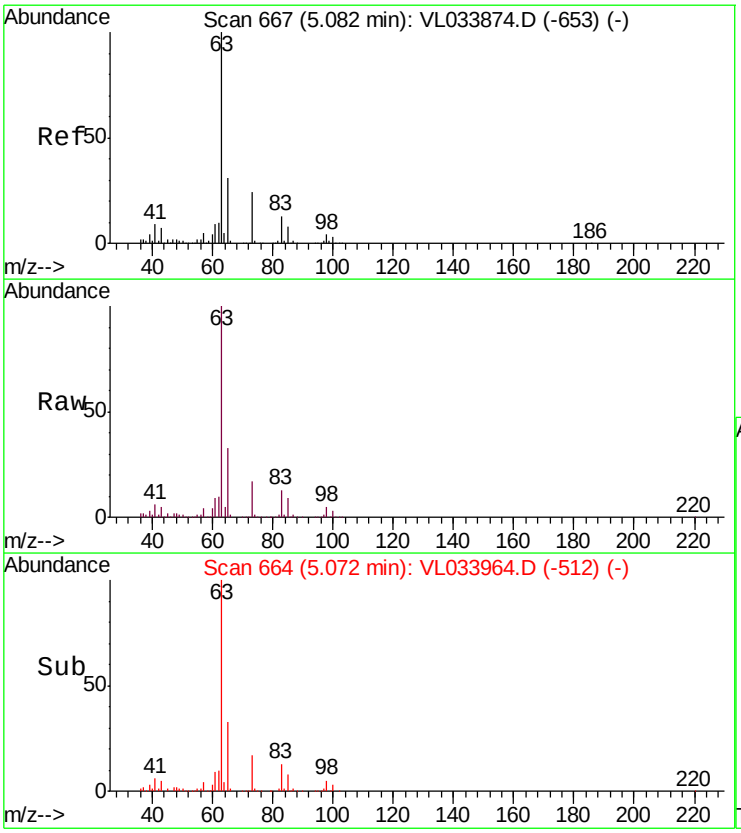
#23
Vinyl Acetate
Concen: 11.359 ppbv
RT: 5.14 min Scan# 684
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1816631

Ion	Ratio	Lower	Upper
43	100		
86	8.2	5.8	8.8
42	9.7	7.8	11.8
44	4.8	4.2	6.4

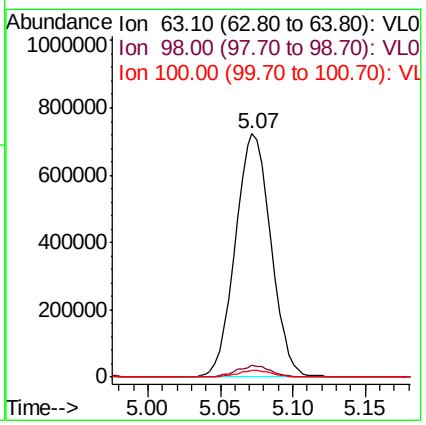


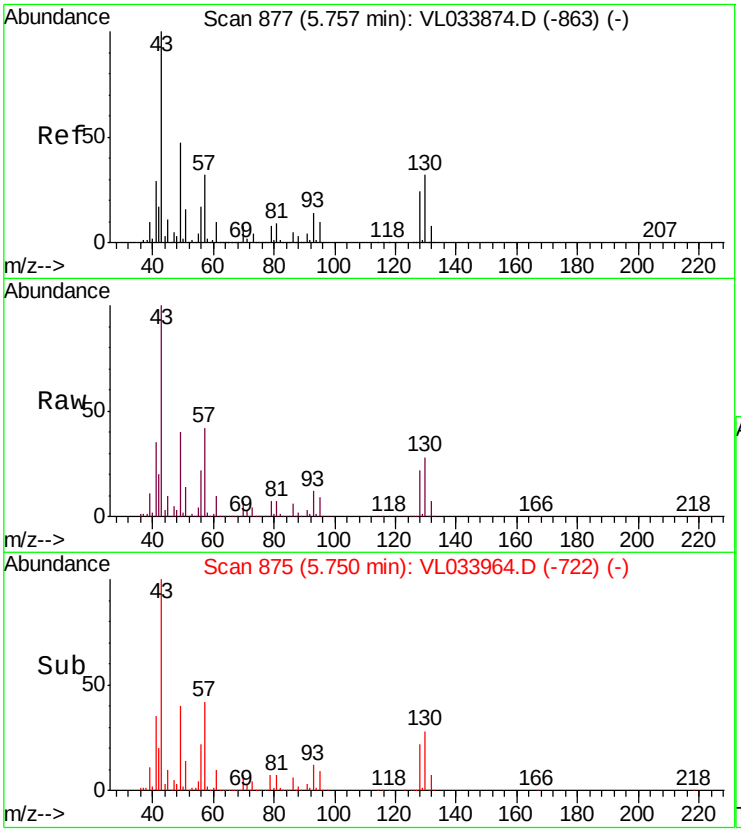


#24
1,1-Dichloroethane
Concen: 9.931 ppbv
RT: 5.07 min Scan# 664
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 63 Resp: 1235267

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.2	6.6
100	2.6	1.3	3.8



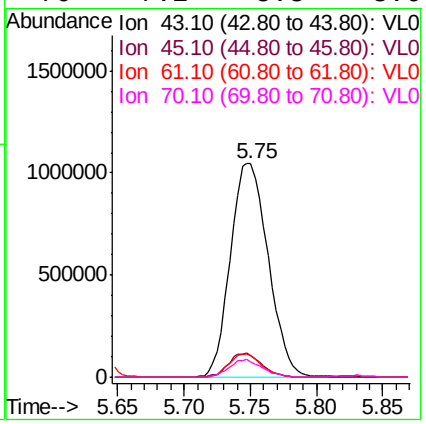


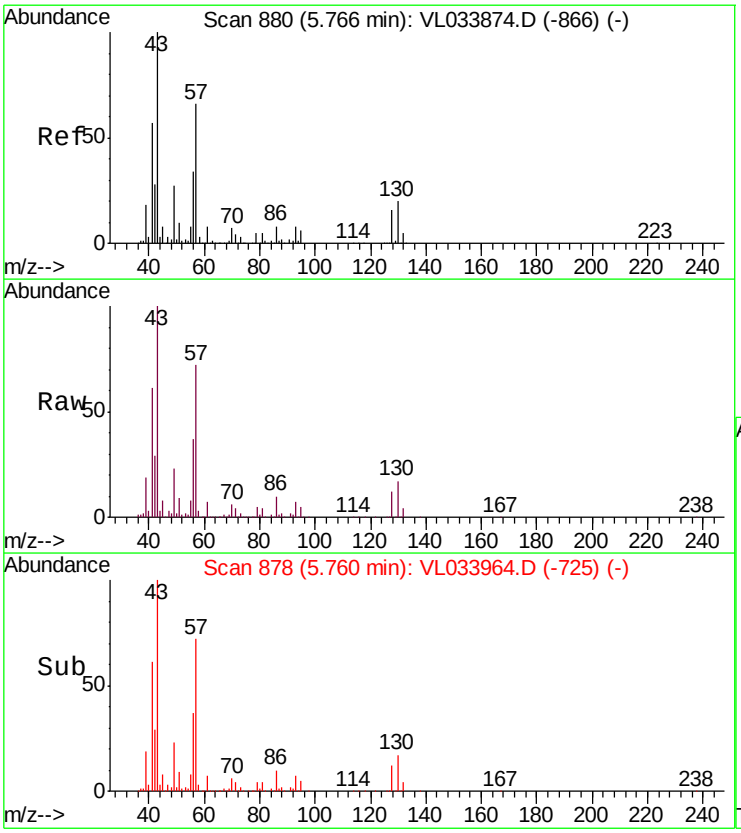
#25
Ethyl Acetate
Concen: 9.885 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2071315

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.8	7.8	11.6
70	7.2	5.8	8.6

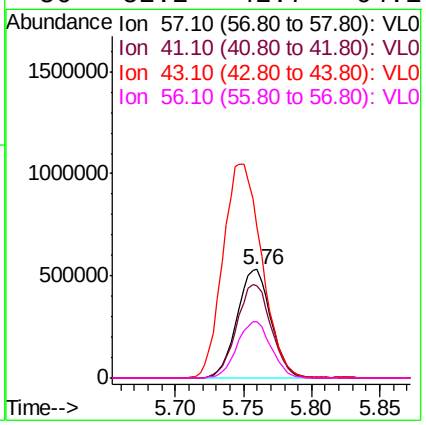


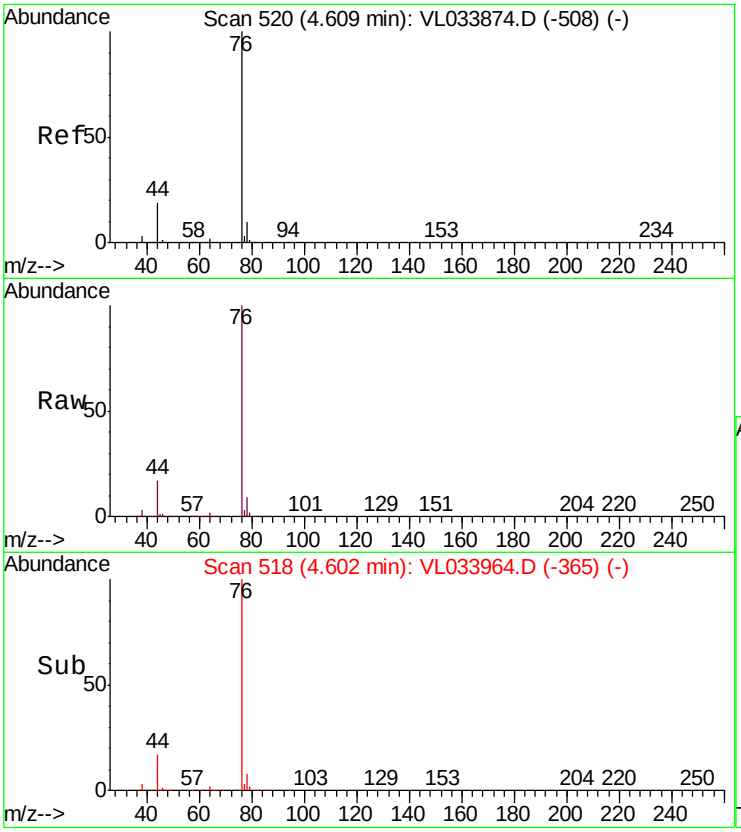


#26
Hexane
Concen: 9.610 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 57 Resp: 916812

Ion	Ratio	Lower	Upper
57	100		
41	88.4	71.4	107.2
43	226.9	183.7	275.5
56	52.2	42.7	64.1



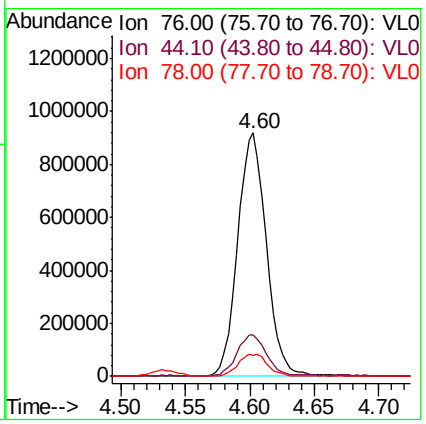


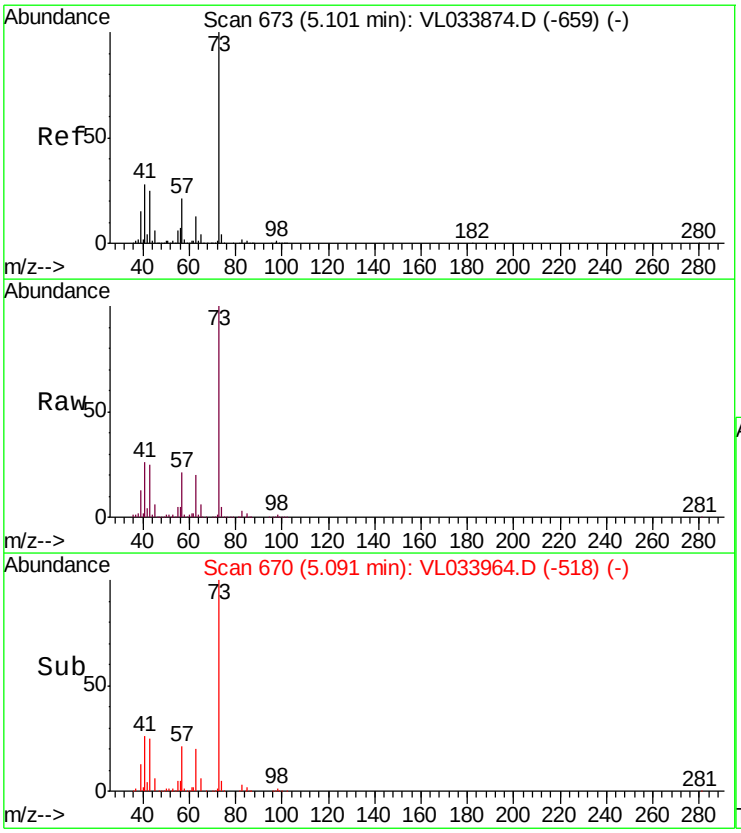
#27
Carbon Disulfide
Concen: 10.727 ppbv
RT: 4.60 min Scan# 518
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 76 Resp: 1421738

Ion	Ratio	Lower	Upper
76	100		
44	16.8	14.4	21.6
78	9.1	7.5	11.3

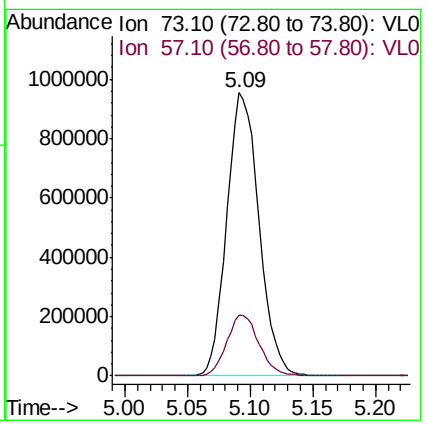


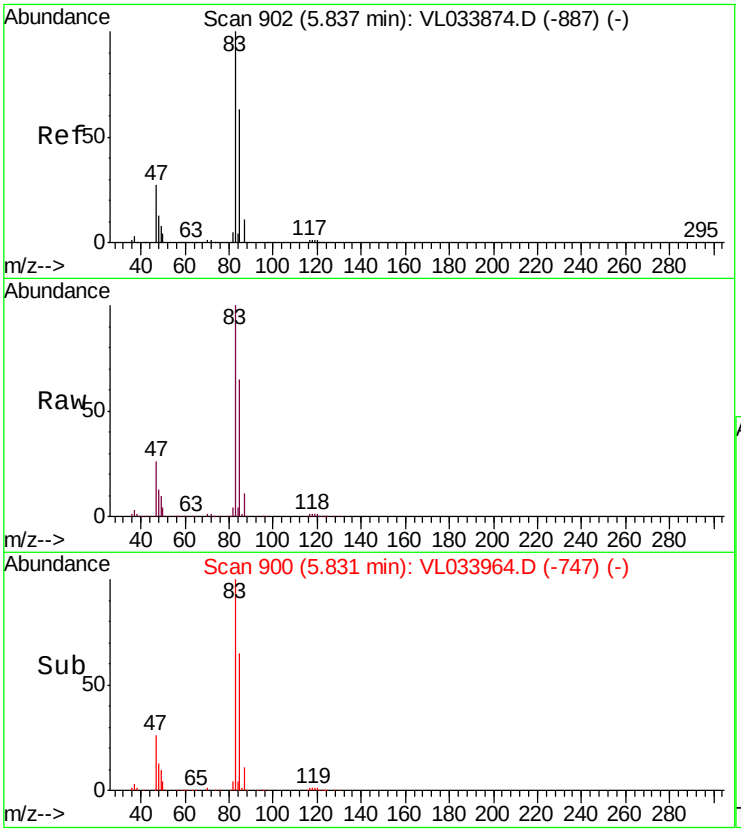


#28
Methyl tert-Butyl Ether
Concen: 11.792 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 73 Resp: 1701169

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.2	25.8



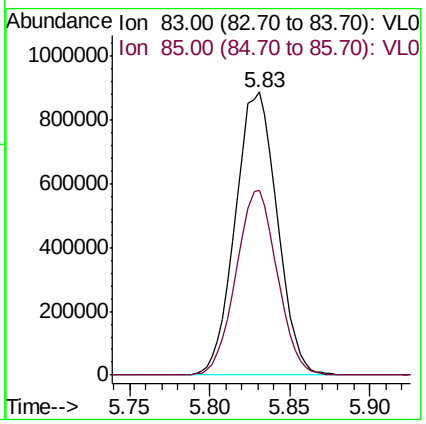


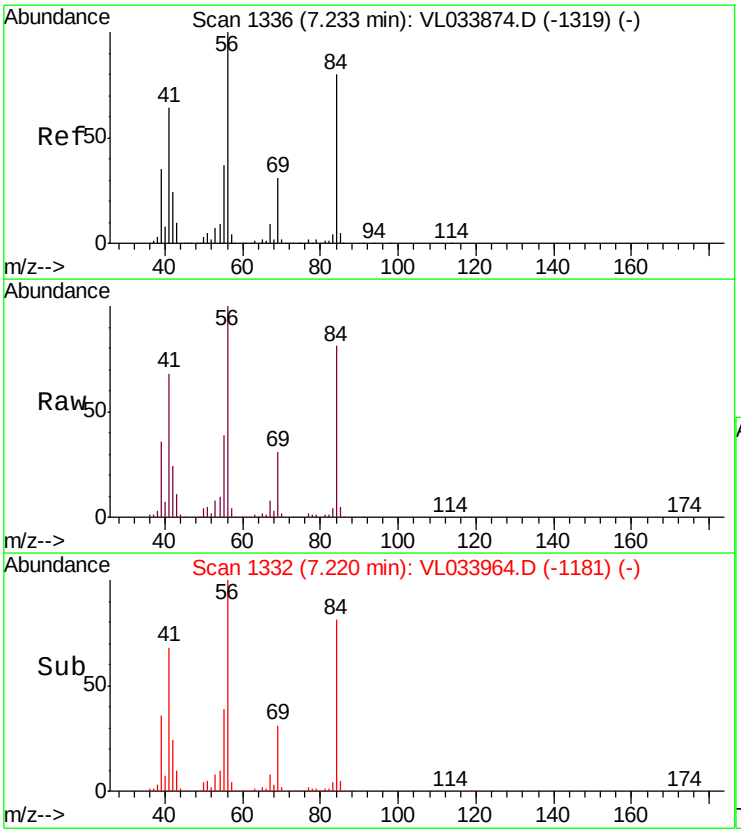
#29
Chloroform
Concen: 9.725 ppbv
RT: 5.83 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1588943

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.5	75.7

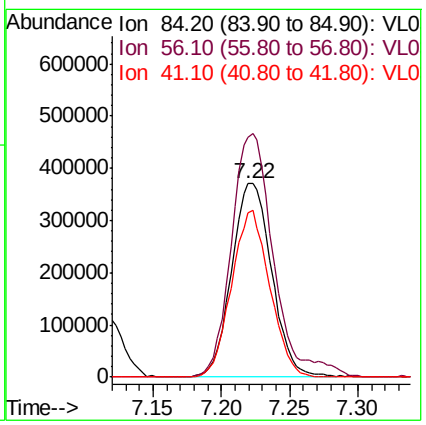


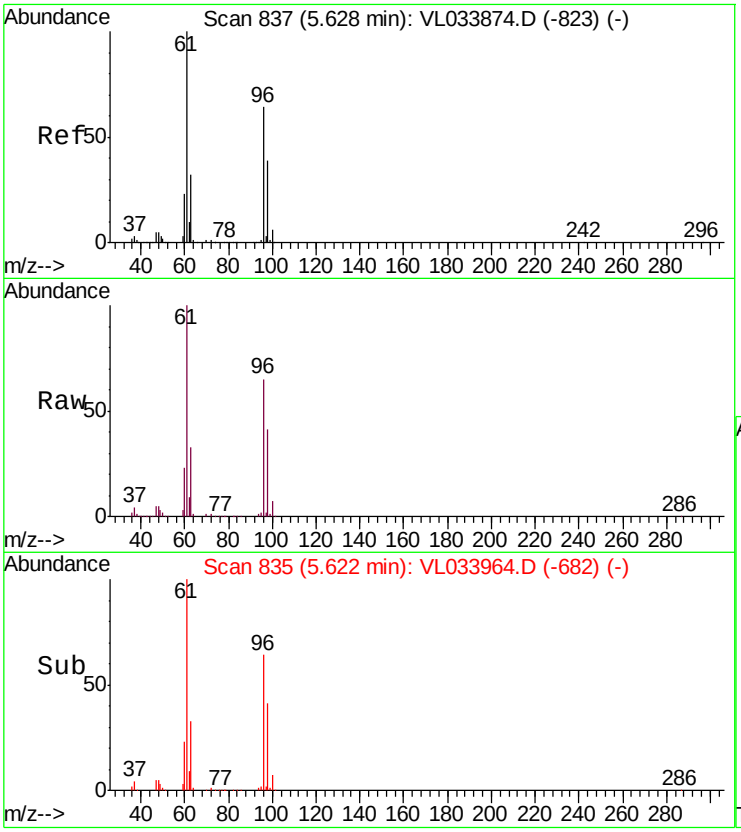


#30
Cyclohexane
Concen: 11.219 ppbv
RT: 7.22 min Scan# 1332
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 84 Resp: 756261

Ion	Ratio	Lower	Upper
84	100		
56	132.9	105.8	158.8
41	82.5	65.7	98.5



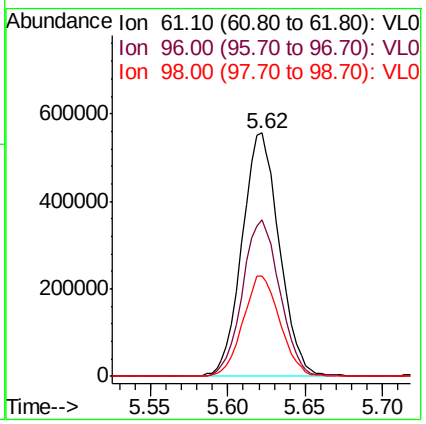


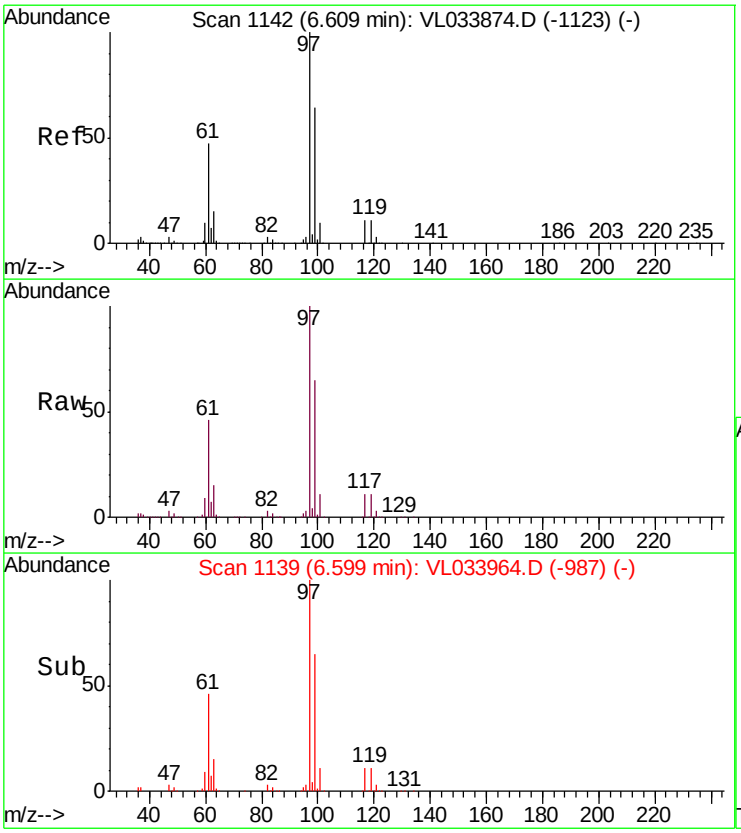
#31
cis-1,2-Dichloroethene
Concen: 11.178 ppbv
RT: 5.62 min Scan# 835
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 935111

Ion	Ratio	Lower	Upper
61	100		
96	64.4	50.9	76.3
98	41.0	31.4	47.2

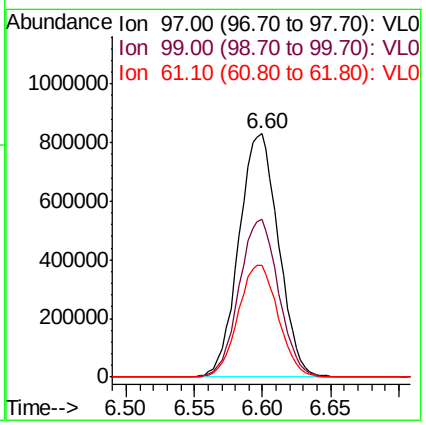


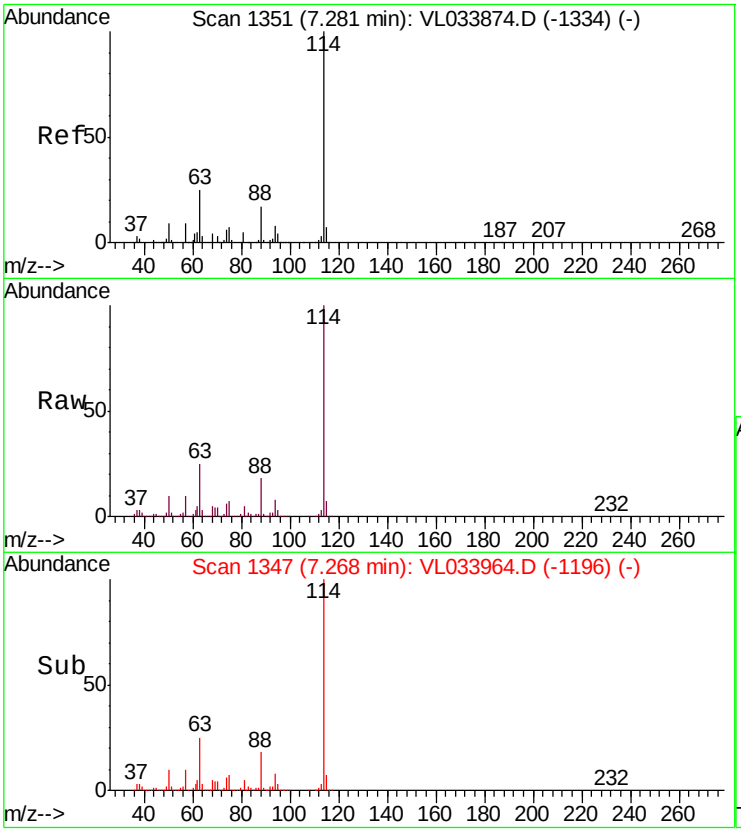


#32
1,1,1-Trichloroethane
Concen: 10.634 ppbv
RT: 6.60 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 97 Resp: 1676177

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	46.5	37.7	56.5



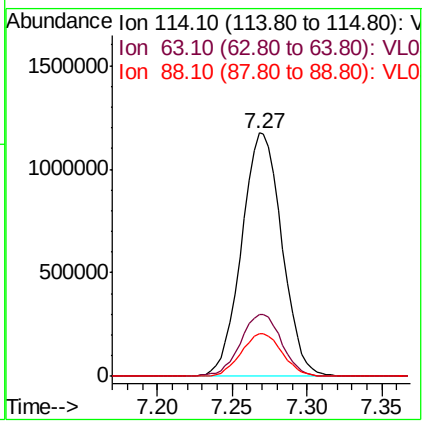


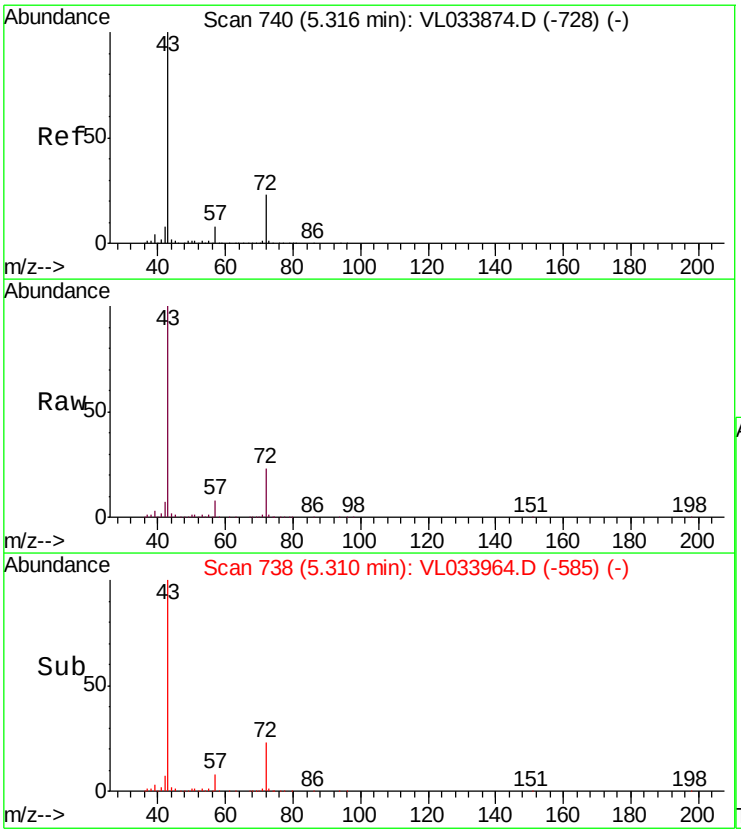
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2204365

Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.1	31.7
88	17.8	14.2	21.4

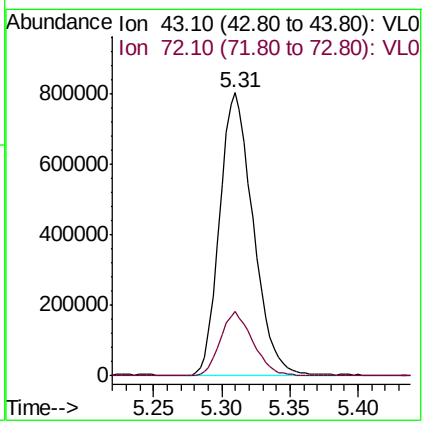


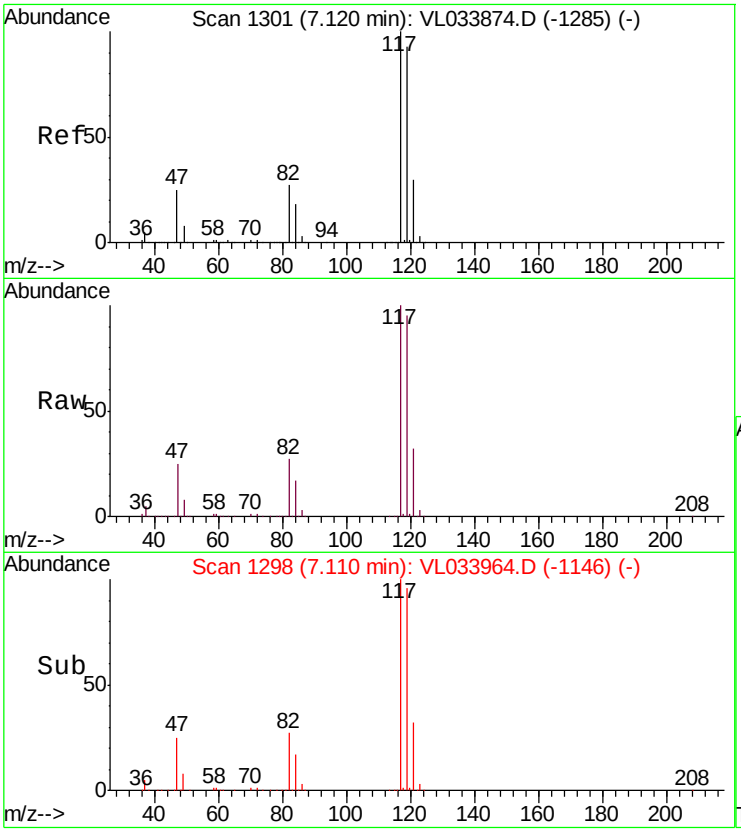


#34
2-Butanone
Concen: 10.967 ppbv
RT: 5.31 min Scan# 738
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 43 Resp: 1363885

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.9	26.9



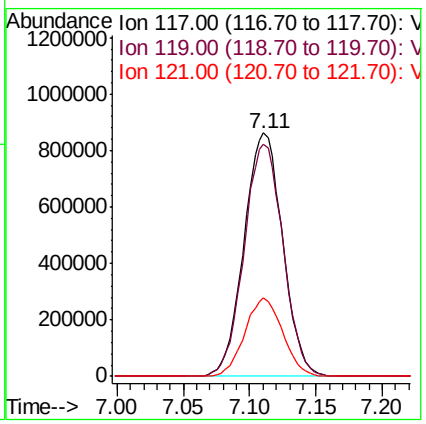


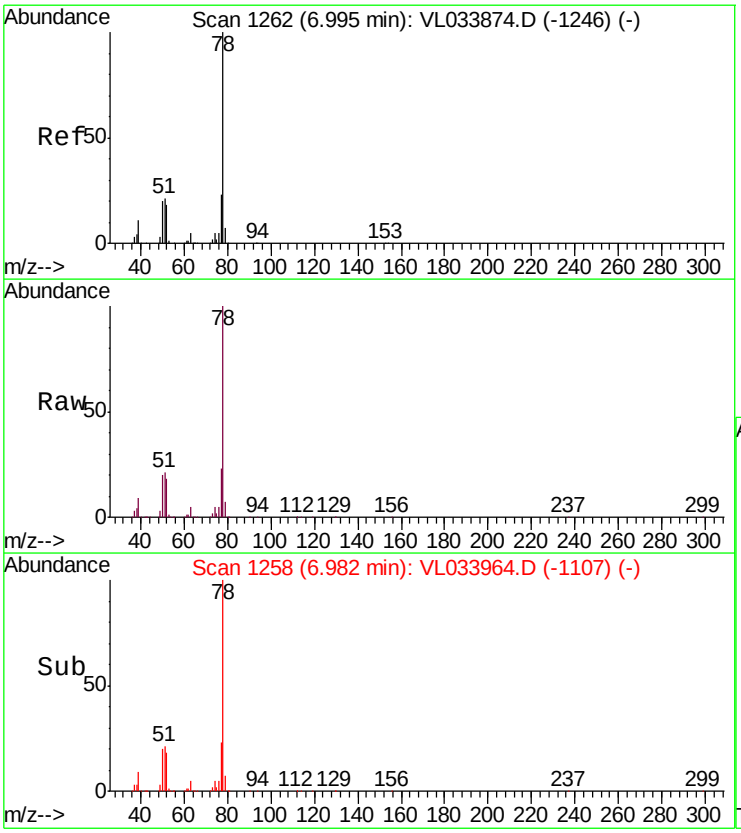
#35
Carbon Tetrachloride
Concen: 10.260 ppbv
RT: 7.11 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 1747368

Ion	Ratio	Lower	Upper
117	100		
119	95.4	74.6	111.8
121	32.3	24.0	36.0

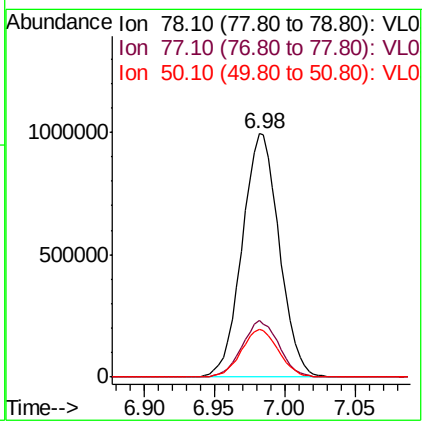


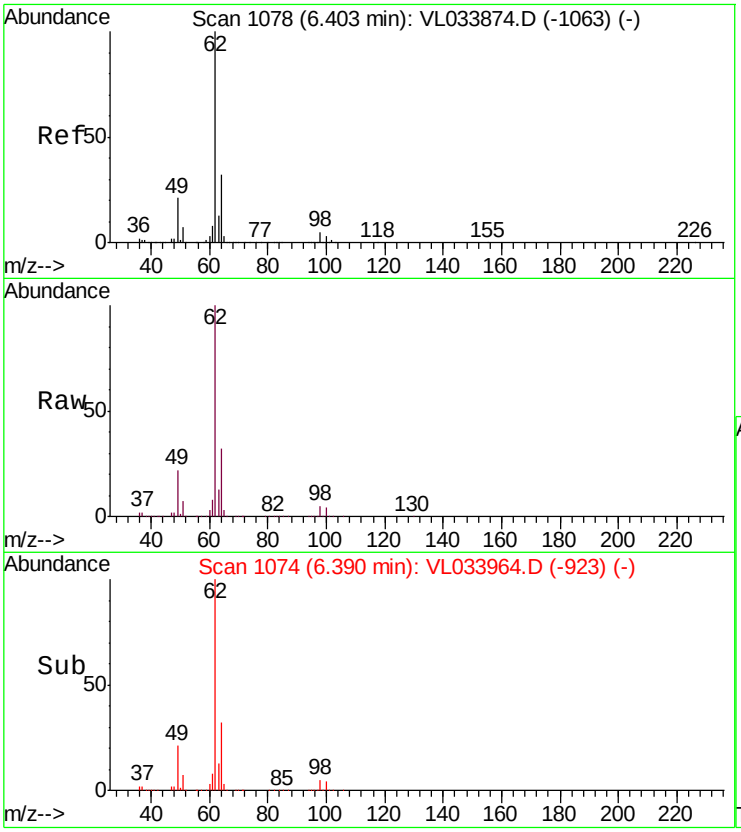


#36
Benzene
Concen: 10.878 ppbv
RT: 6.98 min Scan# 1258
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 78 Resp: 1831770

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2
50	19.8	15.9	23.9

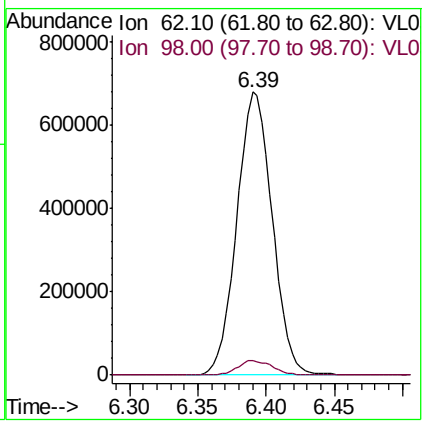




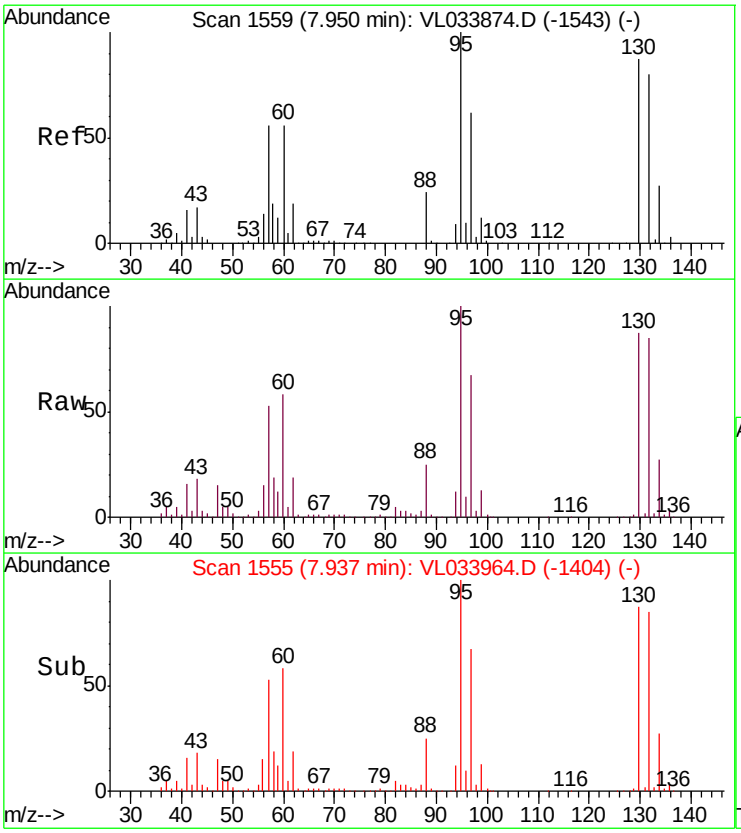
#37
1,2-Dichloroethane
Concen: 9.850 ppbv
RT: 6.39 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 62 Resp: 1226592

Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.0	6.0



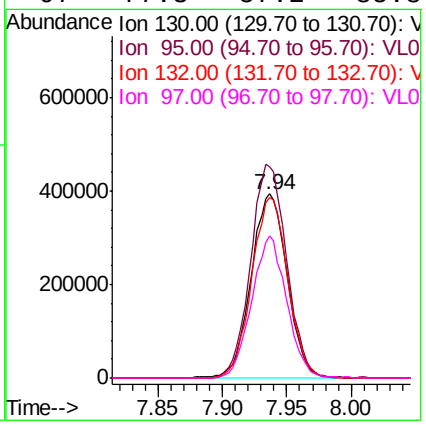
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

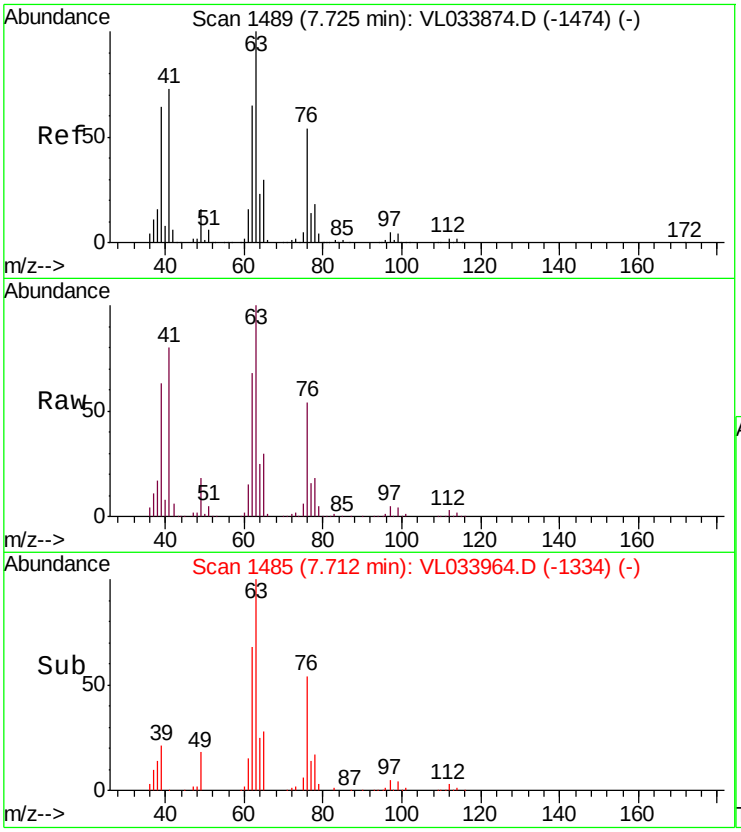


#38
Trichloroethene
Concen: 11.666 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:130 Resp: 764849

Ion	Ratio	Lower	Upper
130	100		
95	115.1	92.0	138.0
132	98.3	73.8	110.8
97	77.3	57.2	85.8



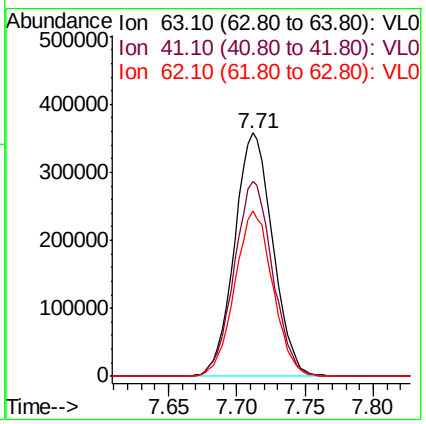


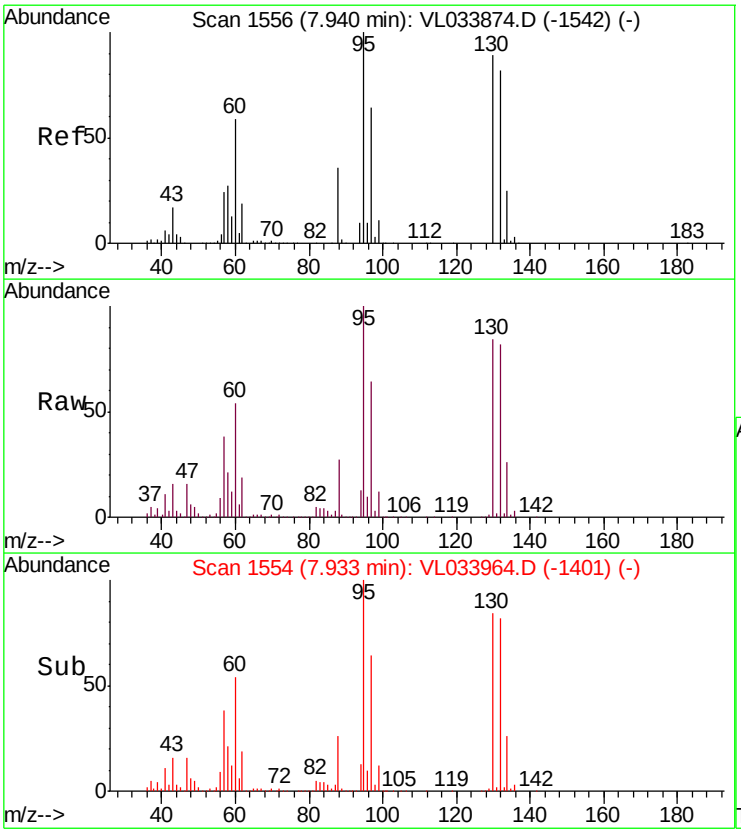
#39
1,2-Dichloropropane
Concen: 10.721 ppbv
RT: 7.71 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 696723

Ion	Ratio	Lower	Upper
63	100		
41	79.9	58.7	88.1
62	67.6	51.9	77.9

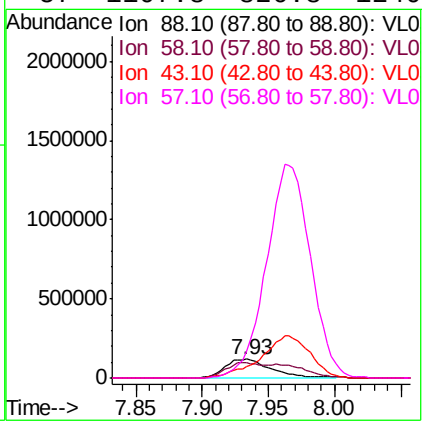


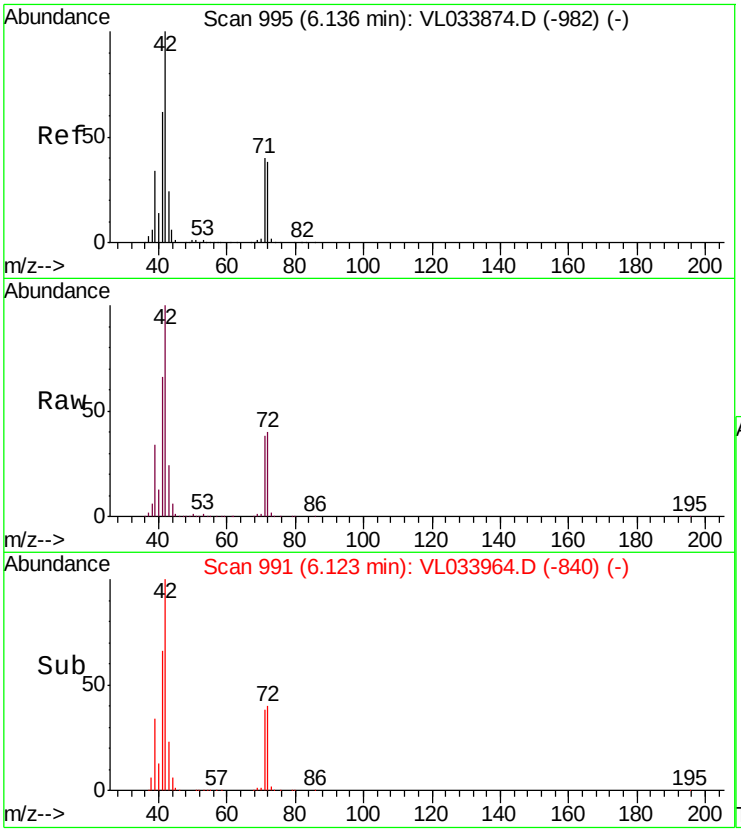


#40
1,4-Dioxane
Concen: 10.735 ppbv
RT: 7.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 88 Resp: 284547

Ion	Ratio	Lower	Upper
88	100		
58	124.9	100.0	150.0
43	244.0	184.7	277.1
57	1107.8	826.8	1240.2



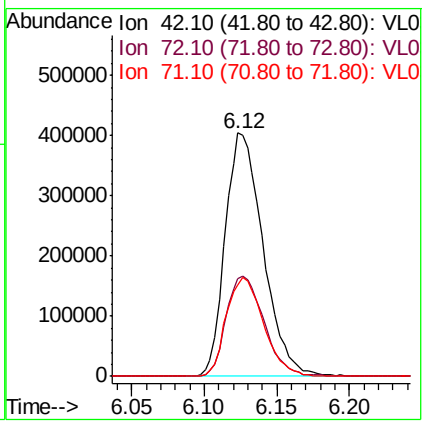


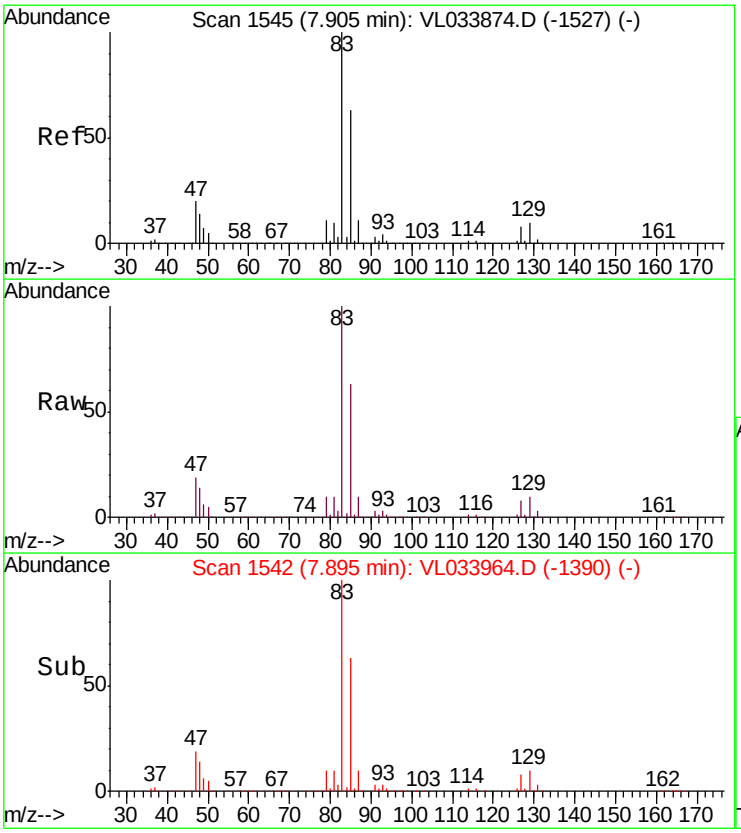
#41
Tetrahydrofuran
Concen: 11.587 ppbv
RT: 6.12 min Scan# 991
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 731359

Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.2	48.4
71	40.1	31.7	47.5

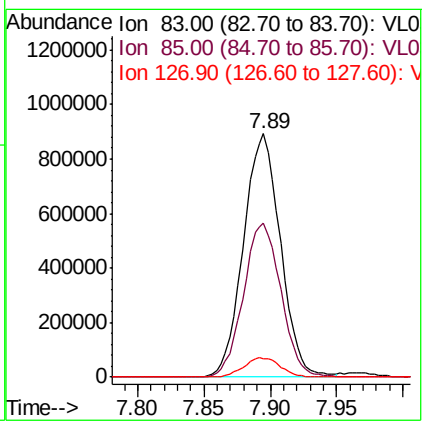


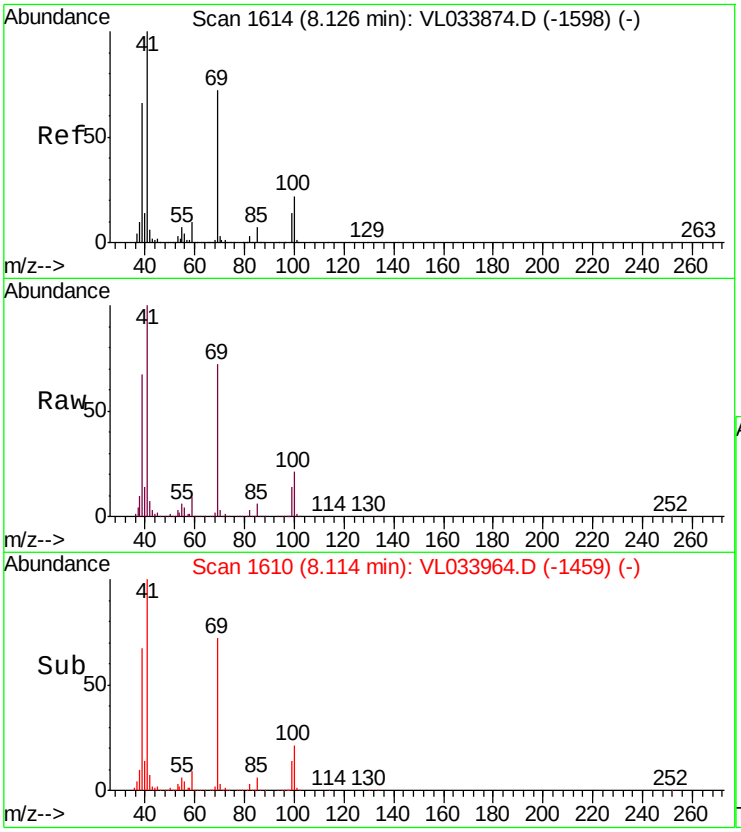


#42
Bromodichloromethane
Concen: 10.406 ppbv
RT: 7.89 min Scan# 1542
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 83 Resp: 1731733

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.2	75.2
127	7.6	6.5	9.7



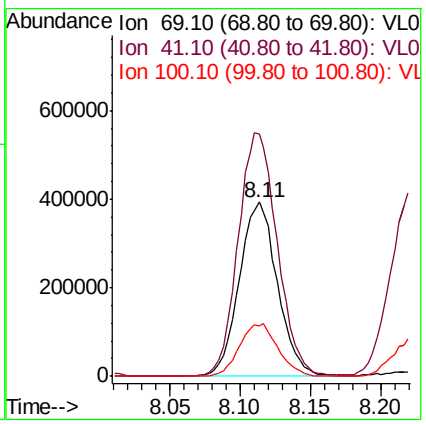


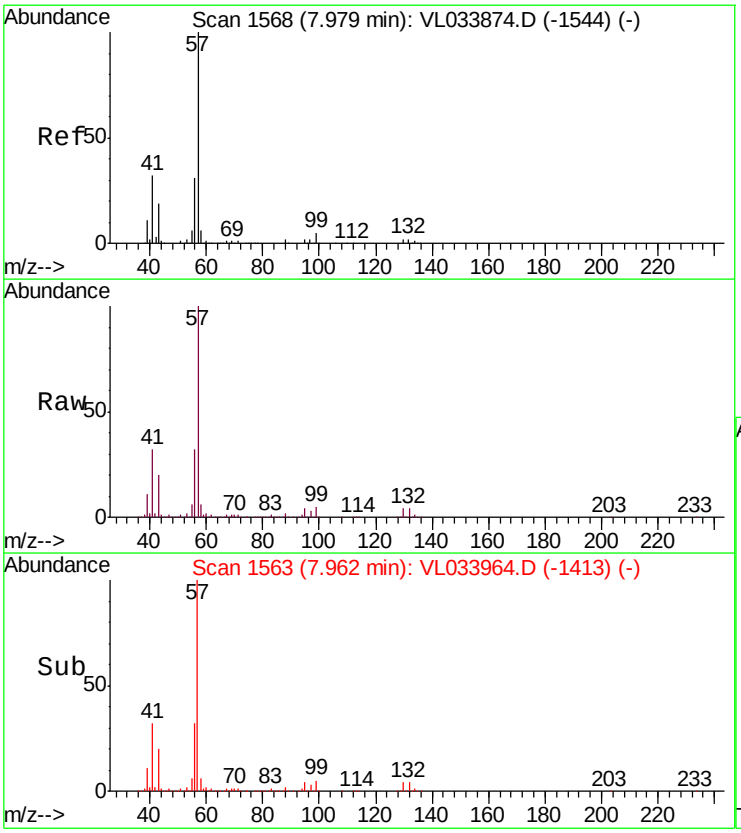
#43
Methyl Methacrylate
Concen: 11.827 ppbv
RT: 8.11 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 744810

Ion	Ratio	Lower	Upper
69	100		
41	143.3	114.3	171.5
100	30.6	24.8	37.2

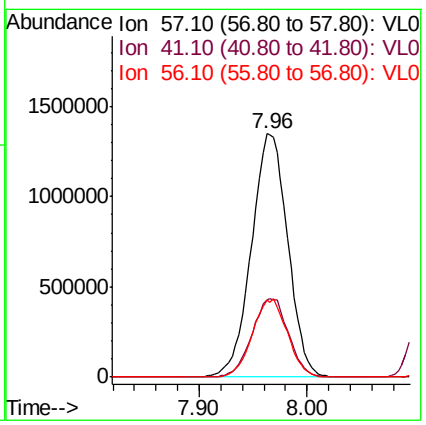


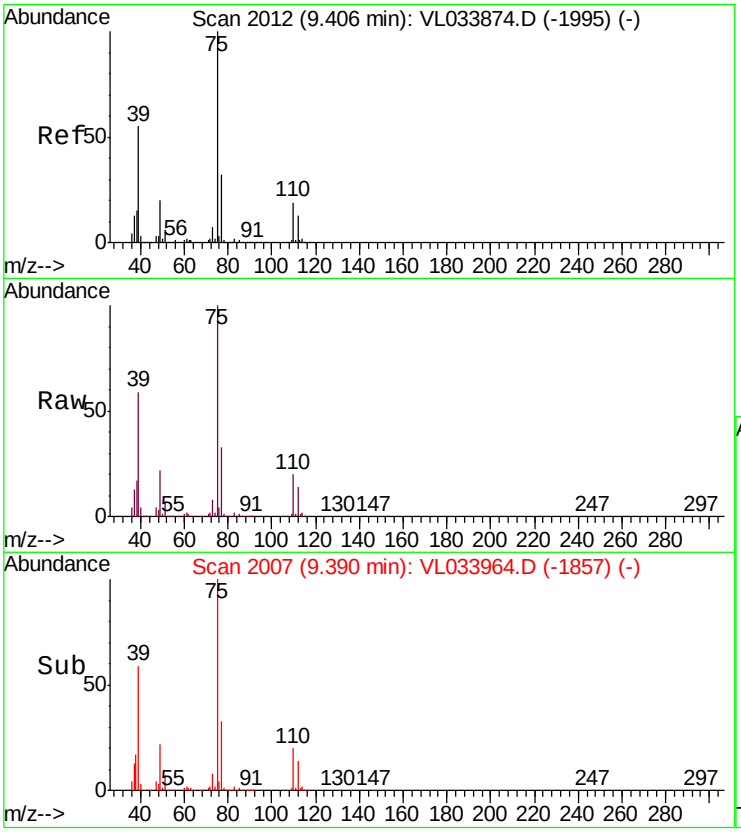


#44
2,2,4-Trimethylpentane
Concen: 10.514 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 57 Resp: 3148415

Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.1	39.1
56	31.0	24.6	36.8



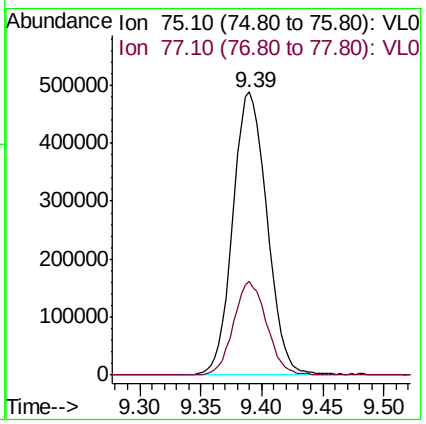


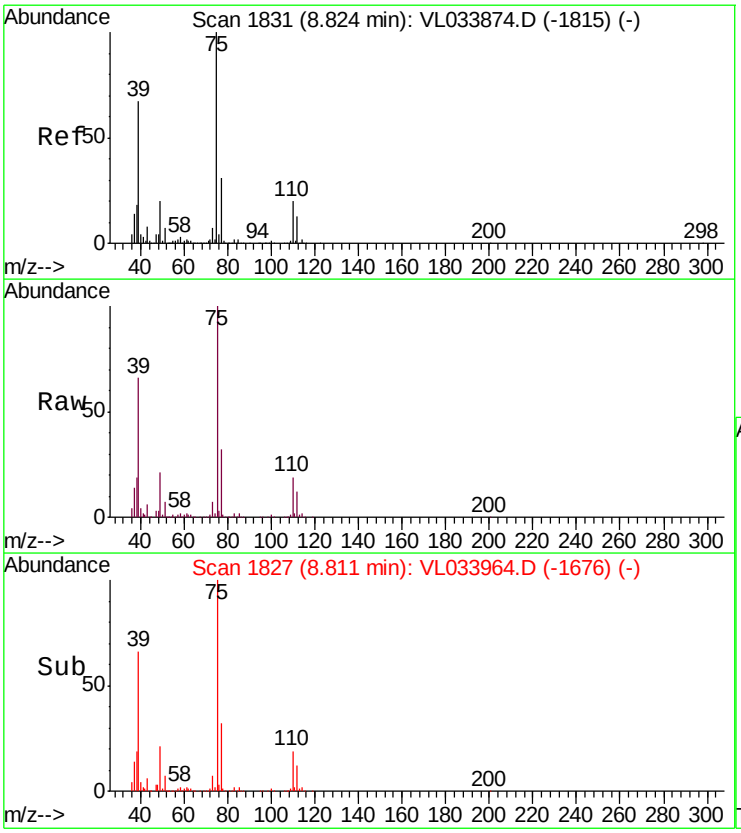
#45
t-1,3-Dichloropropene
Concen: 11.469 ppbv
RT: 9.39 min Scan# 2007
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 947777

Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.2

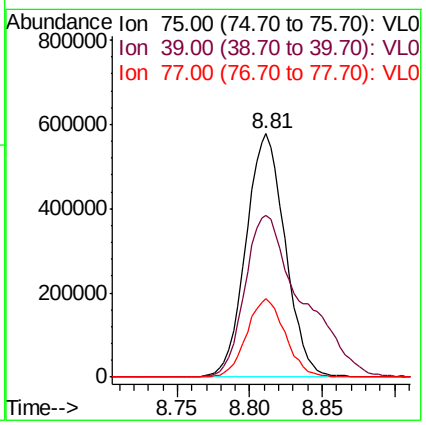


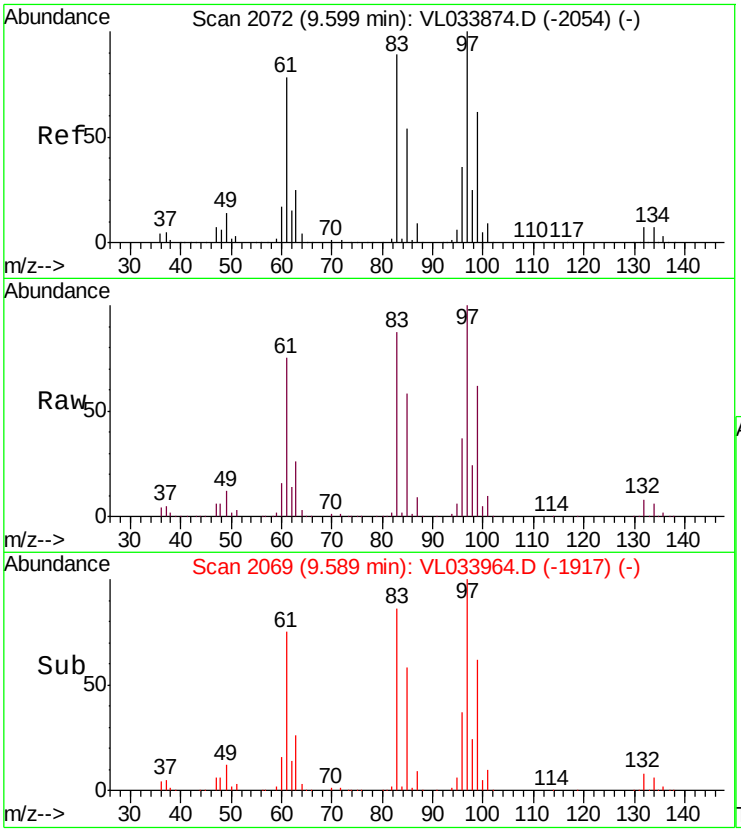


#46
cis-1,3-Dichloropropene
Concen: 11.474 ppbv
RT: 8.81 min Scan# 1827
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 75 Resp: 1086313

Ion	Ratio	Lower	Upper
75	100		
39	66.5	53.8	80.8
77	32.2	24.6	36.8



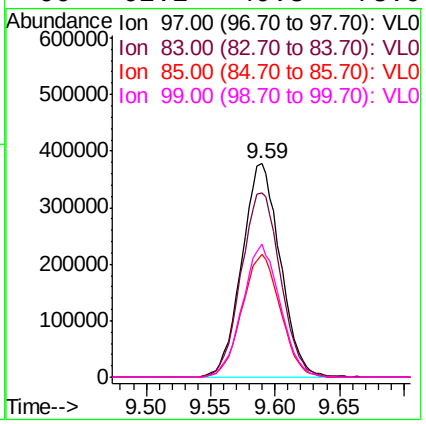


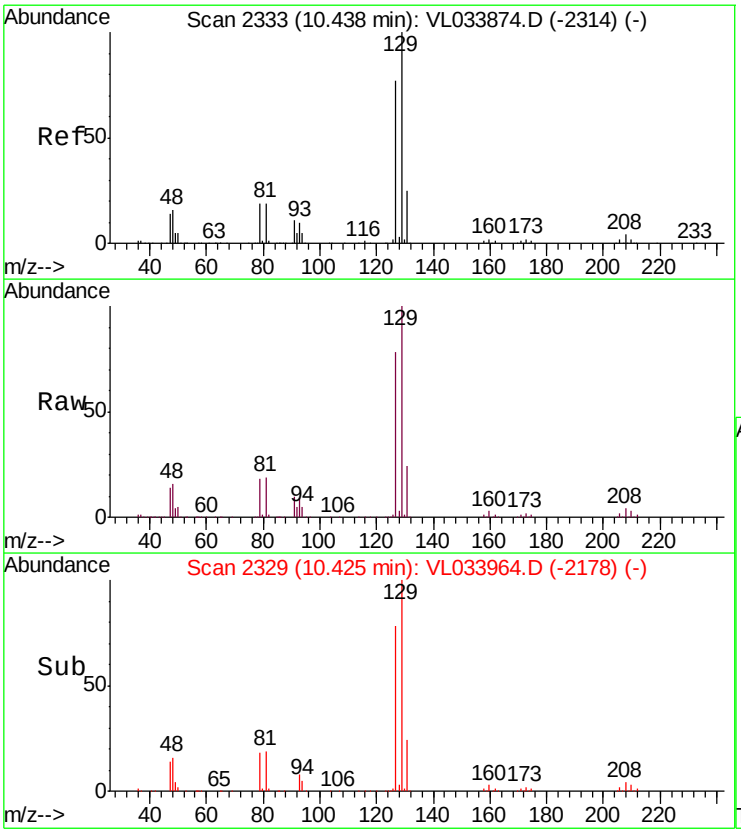
#47
1,1,2-Trichloroethane
Concen: 10.094 ppbv
RT: 9.59 min Scan# 2069
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 97 Resp: 782027

Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.9	106.3
85	57.6	43.0	64.6
99	62.2	49.3	73.9

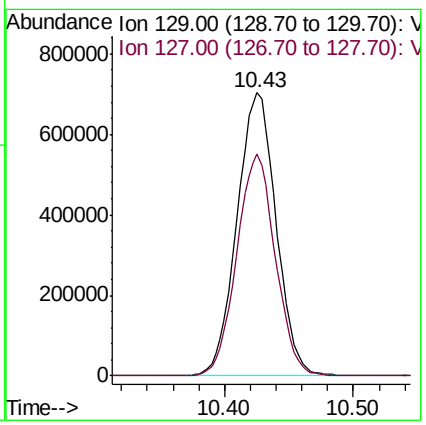


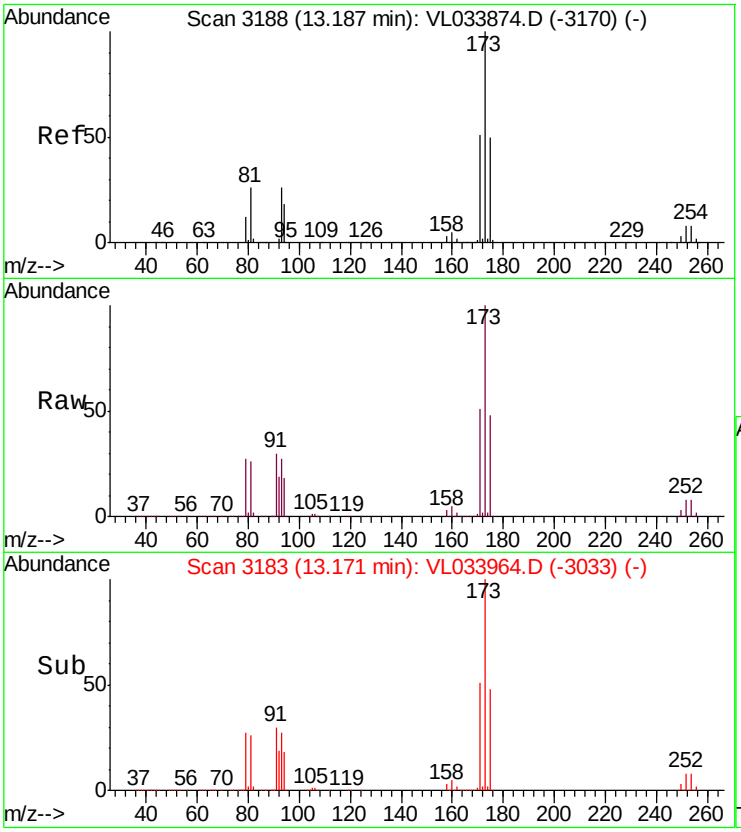


#48
Dibromochloromethane
Concen: 10.681 ppbv
RT: 10.43 min Scan# 2329
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:129 Resp: 1487079

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.7



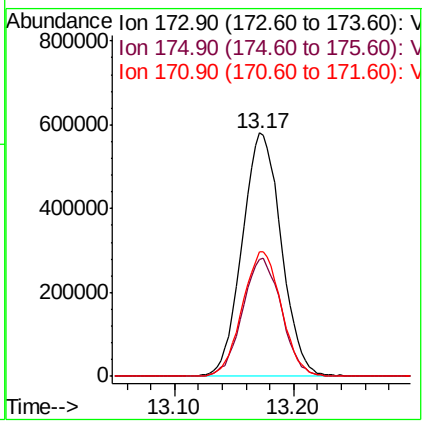


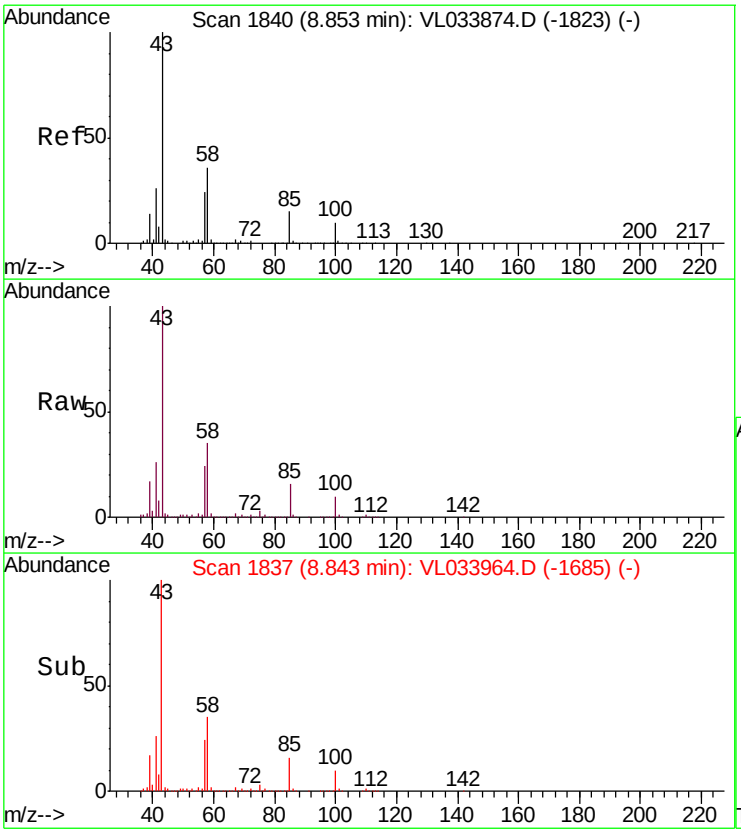
#49
Bromoform
Concen: 10.719 ppbv
RT: 13.17 min Scan# 3183
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1317429

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.6	59.4
171	51.4	41.8	62.8

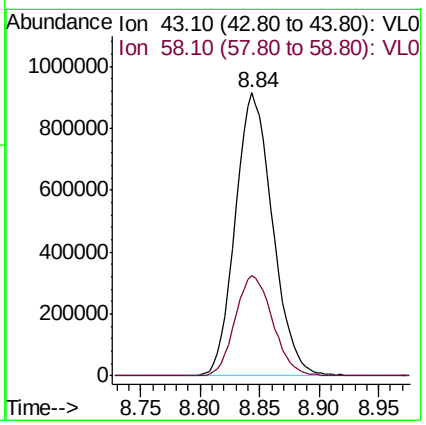


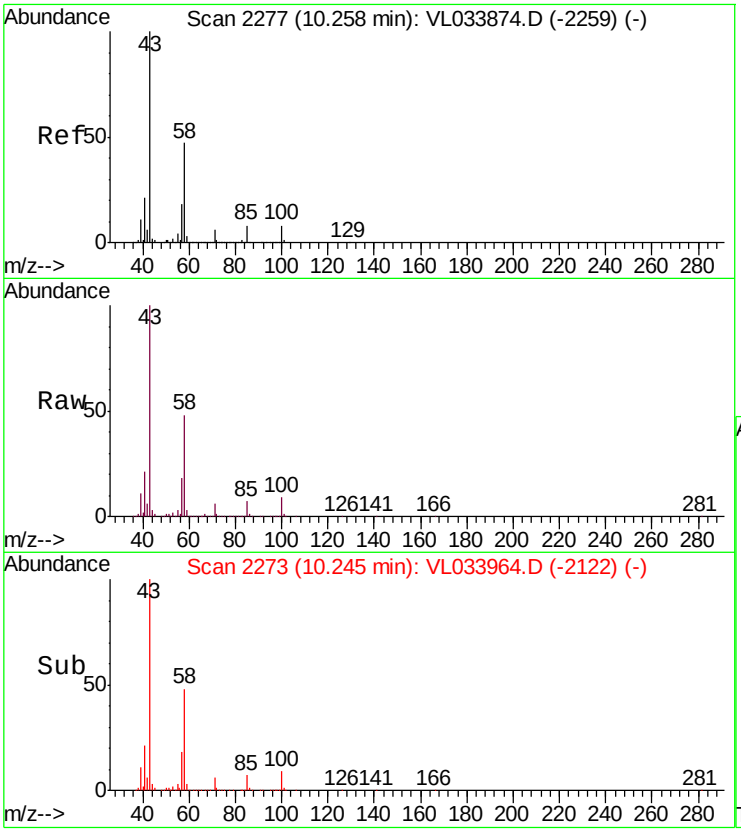


#50
4-Methyl-2-Pentanone
Concen: 10.697 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 43 Resp: 1983679

Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	42.8



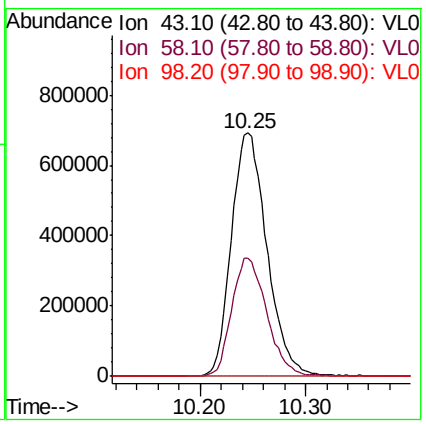


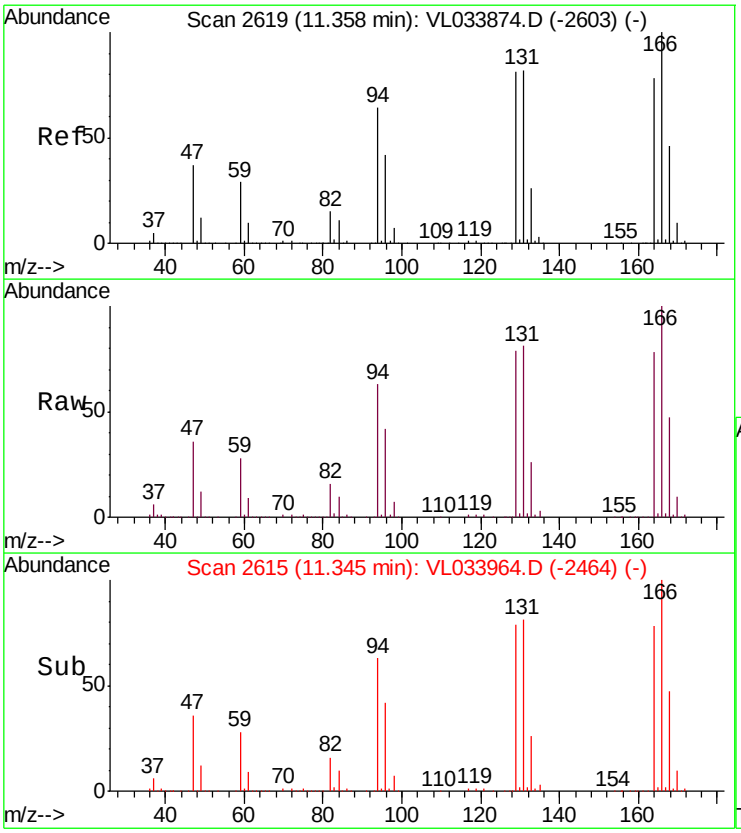
#51
2-Hexanone
Concen: 11.204 ppbv
RT: 10.25 min Scan# 2273
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1622414

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.2	57.4
98	0.3	0.2	0.2#

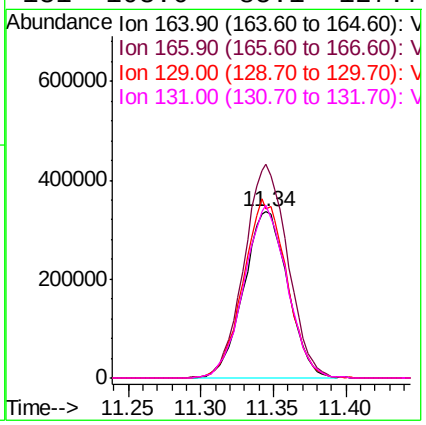


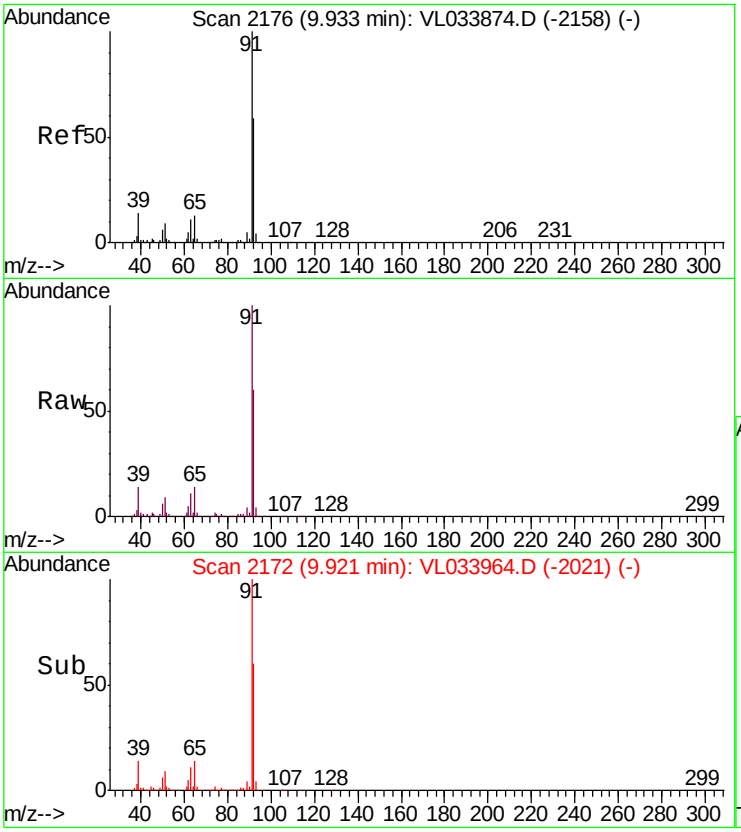


#52
Tetrachloroethene
Concen: 12.012 ppbv
RT: 11.34 min Scan# 2615
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:164 Resp: 711698

Ion	Ratio	Lower	Upper
164	100		
166	128.3	103.1	154.7
129	101.7	83.9	125.9
131	103.6	85.1	127.7



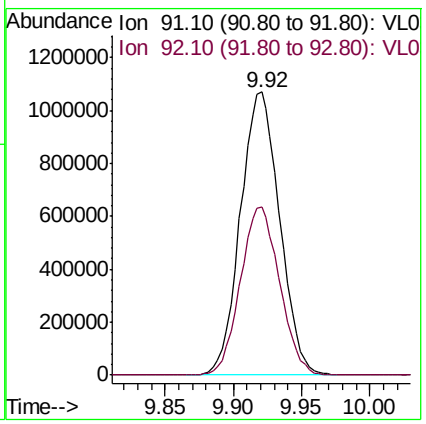


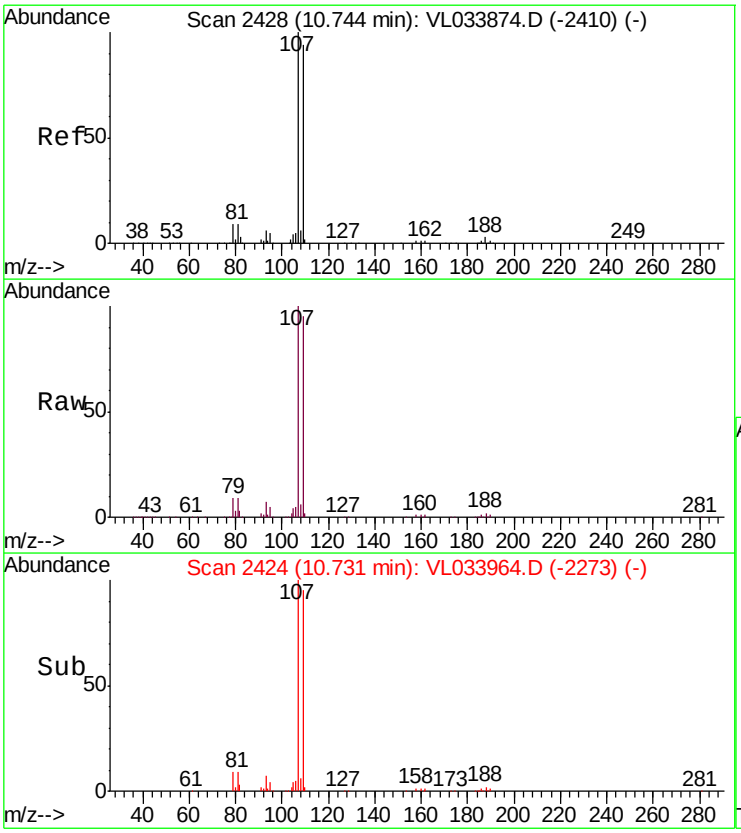
#53
Toluene
Concen: 11.466 ppbv
RT: 9.92 min Scan# 2172
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2136649

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.0	70.6

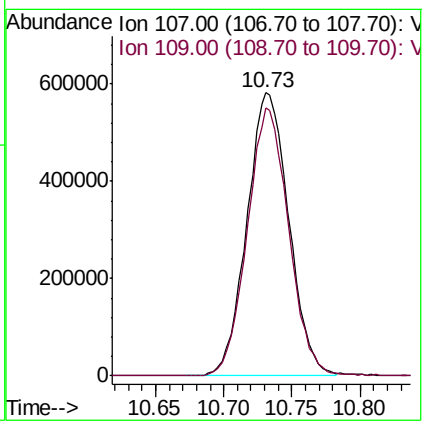


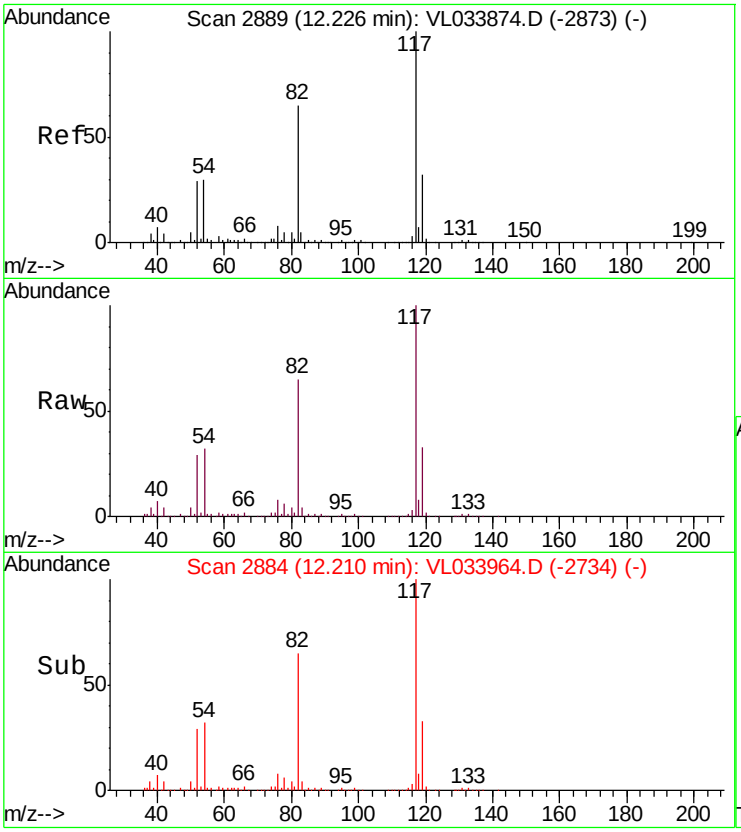


#54
1,2-Dibromoethane
Concen: 10.602 ppbv
RT: 10.73 min Scan# 2424
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:107 Resp: 1238200

Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.9	112.3



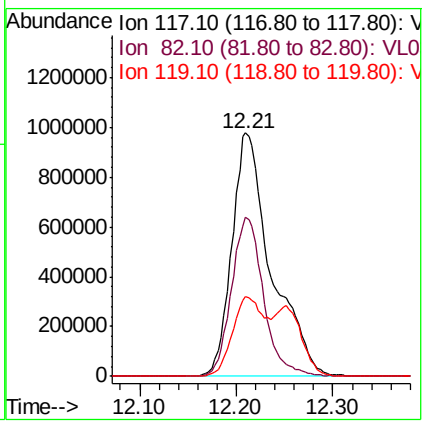


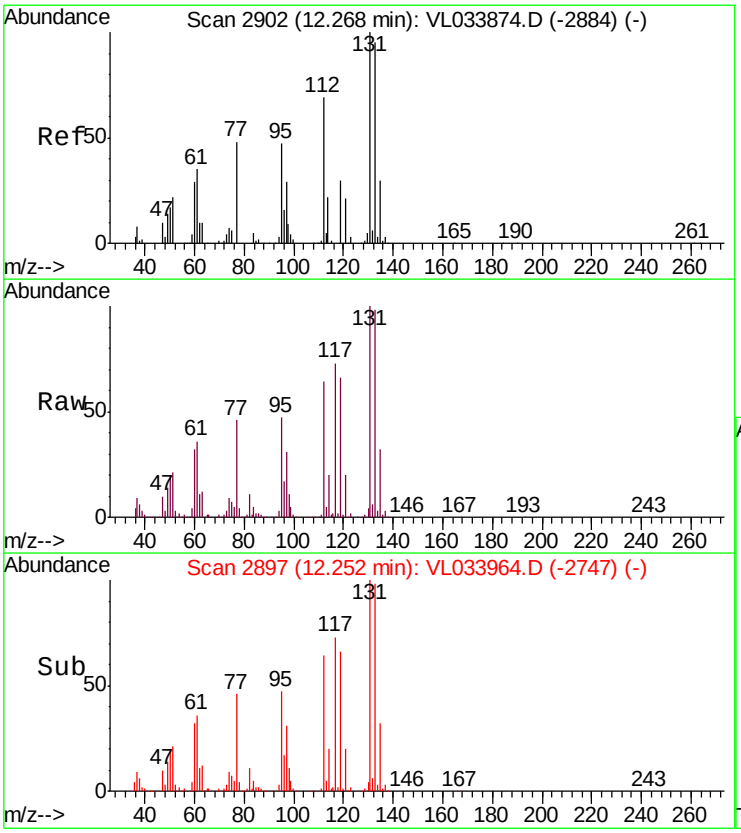
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2763942

Ion	Ratio	Lower	Upper
117	100		
82	53.3	50.2	75.2
119	27.3	24.8	37.2

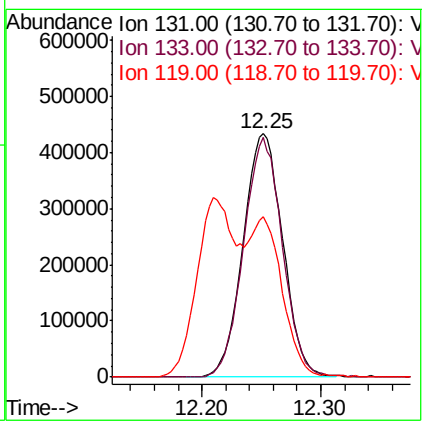


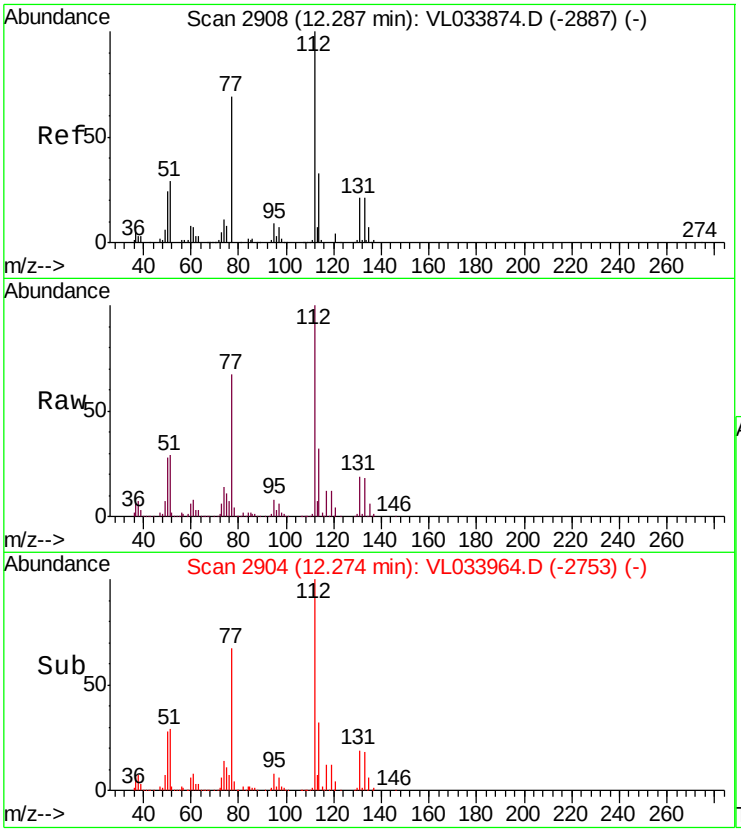


#56
1,1,1,2-Tetrachloroethane
Concen: 8.266 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:131 Resp: 998062

Ion	Ratio	Lower	Upper
131	100		
133	96.6	76.5	114.7
119	54.7	42.6	64.0



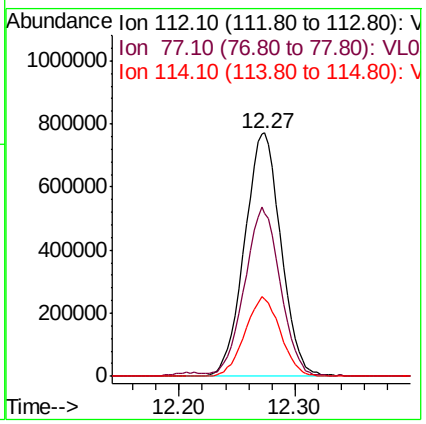


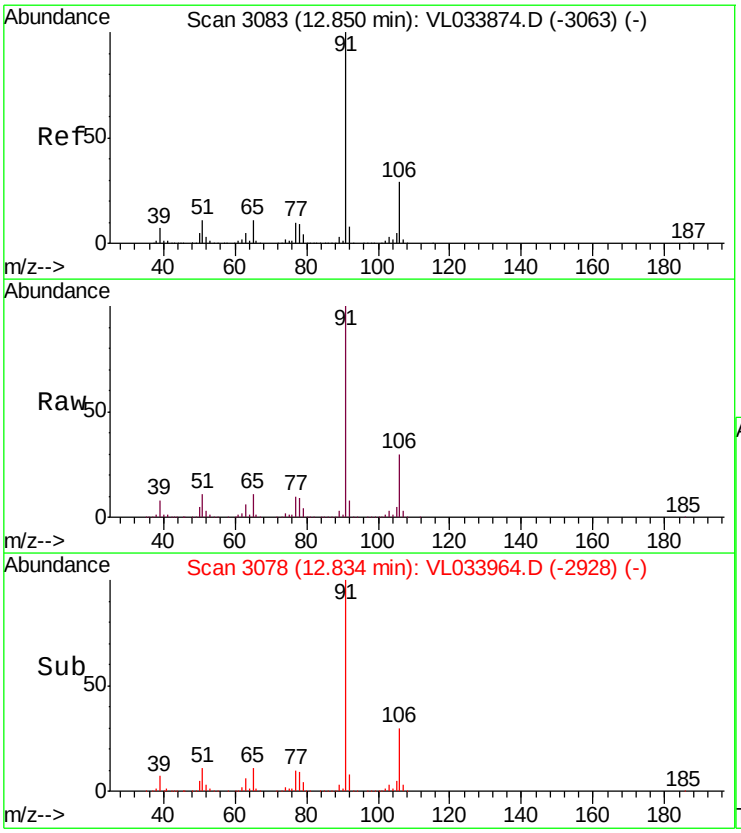
#57
Chlorobenzene
Concen: 8.115 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1679831

Ion	Ratio	Lower	Upper
112	100		
77	66.7	55.8	83.6
114	31.6	29.8	36.4

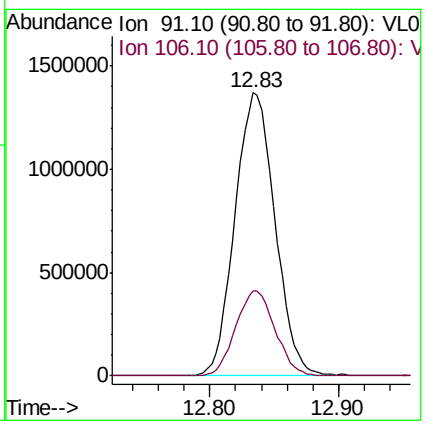


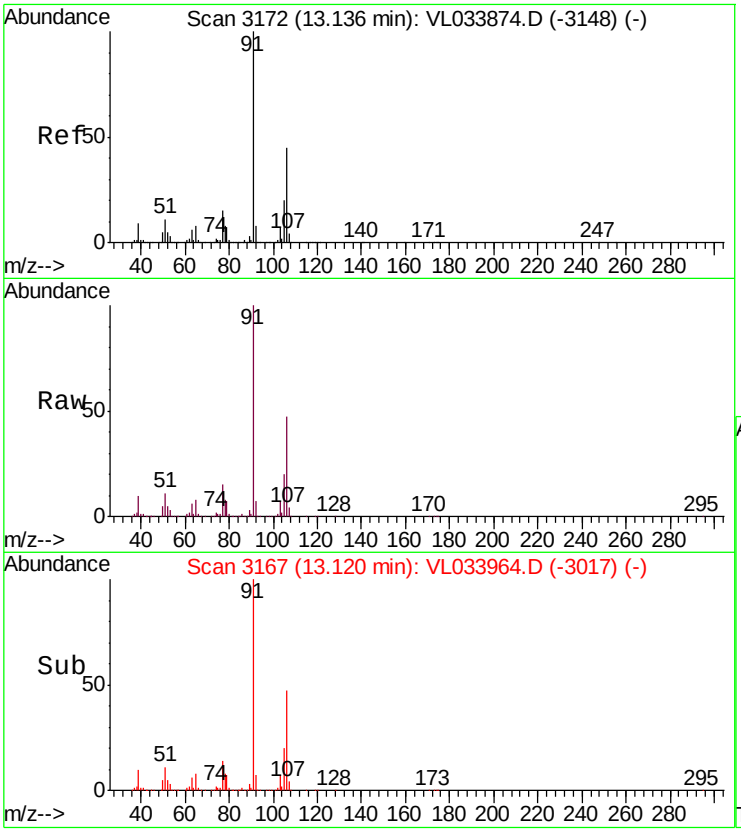


#58
Ethyl Benzene
Concen: 9.475 ppbv
RT: 12.83 min Scan# 3078
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 91 Resp: 2952612

Ion	Ratio	Lower	Upper
91	100		
106	29.8	23.0	34.6



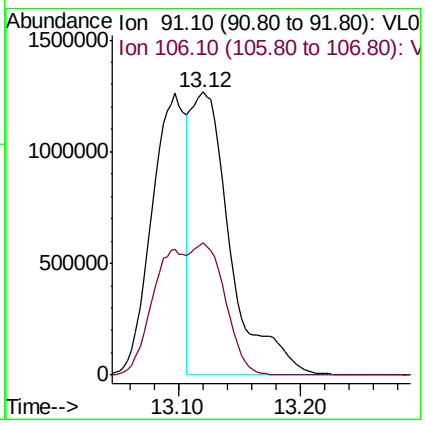


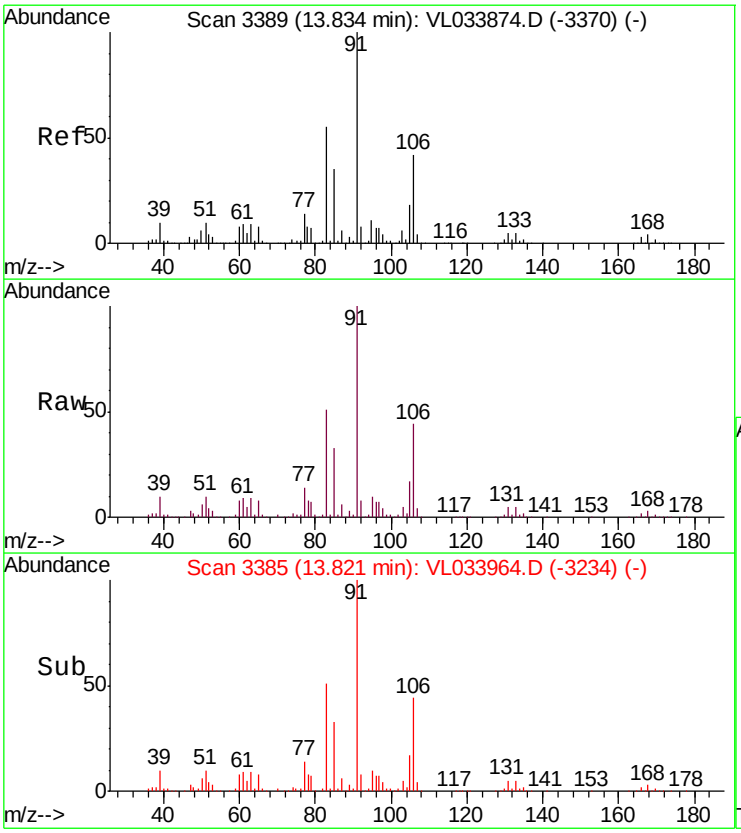
#59
m/p-Xylene
Concen: 10.056 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2849492

Ion	Ratio	Lower	Upper
91	100		
106	80.0	35.8	53.8#

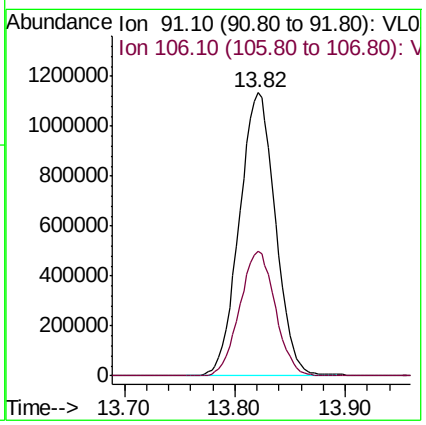


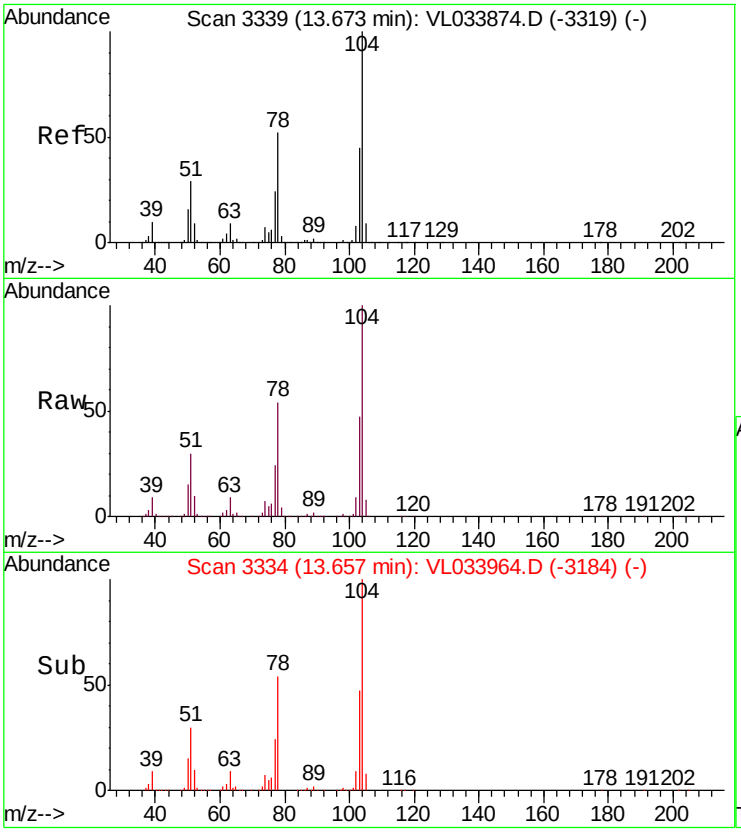


#60
o-Xylene
Concen: 8.785 ppbv
RT: 13.82 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 91 Resp: 2570326

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.7	65.1



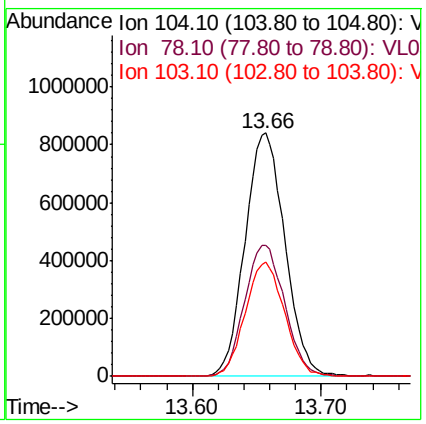


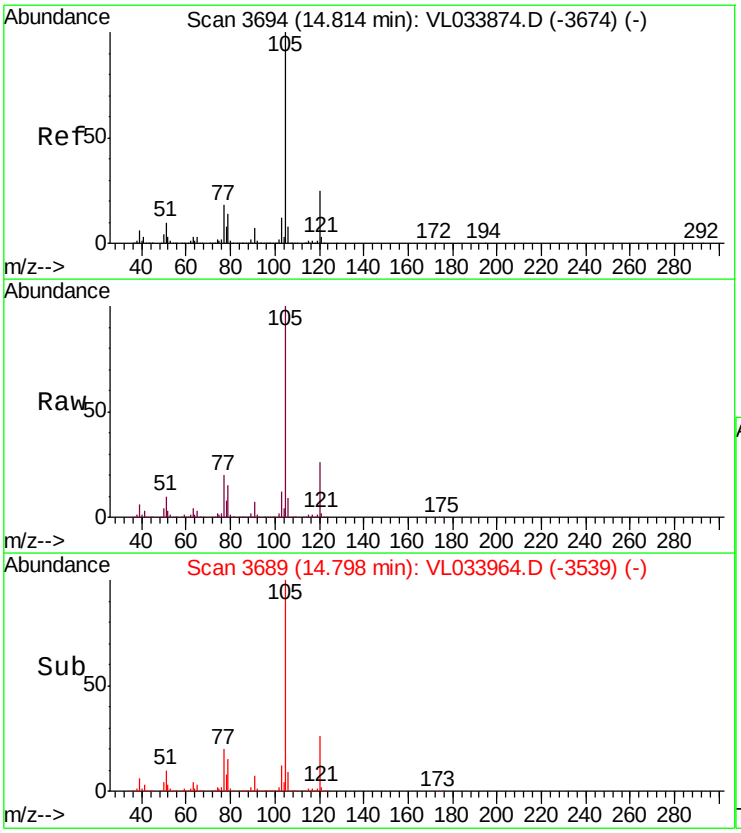
#61
Styrene
Concen: 9.552 ppbv
RT: 13.66 min Scan# 3334
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1808647

Ion	Ratio	Lower	Upper
104	100		
78	54.5	43.4	65.0
103	46.5	37.6	56.4

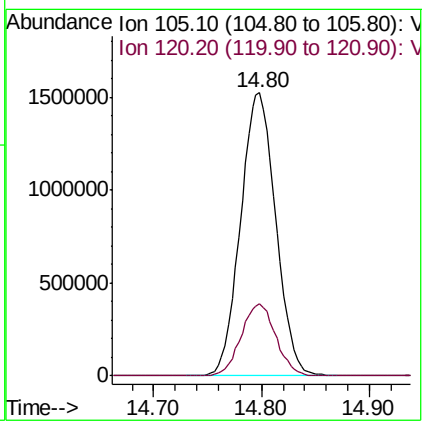


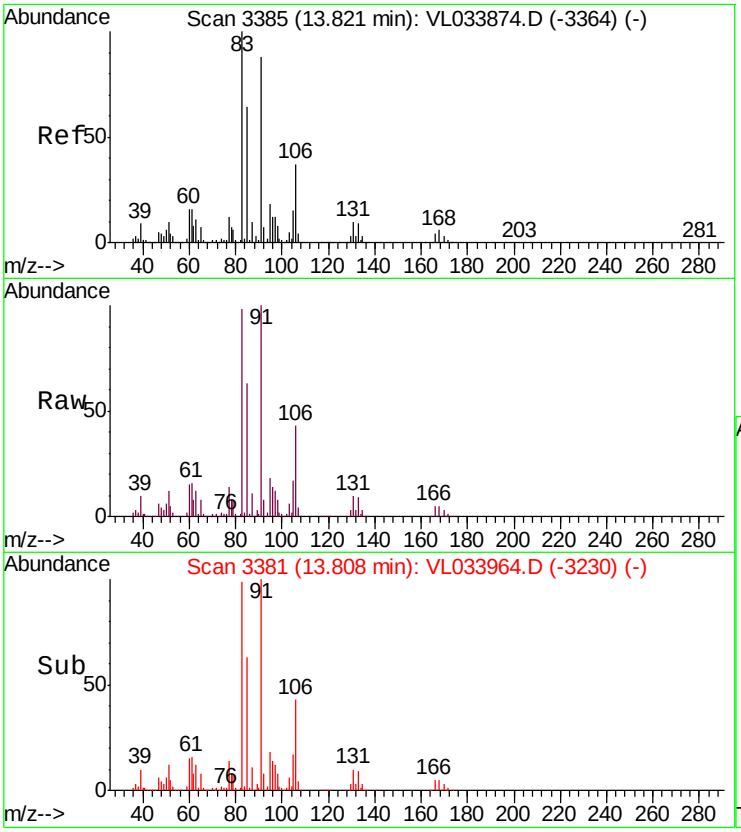


#62
Isopropylbenzene
Concen: 8.766 ppbv
RT: 14.80 min Scan# 3689
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:105 Resp: 3456990

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.3	30.5



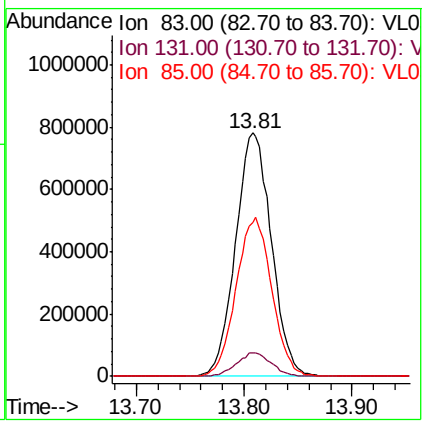


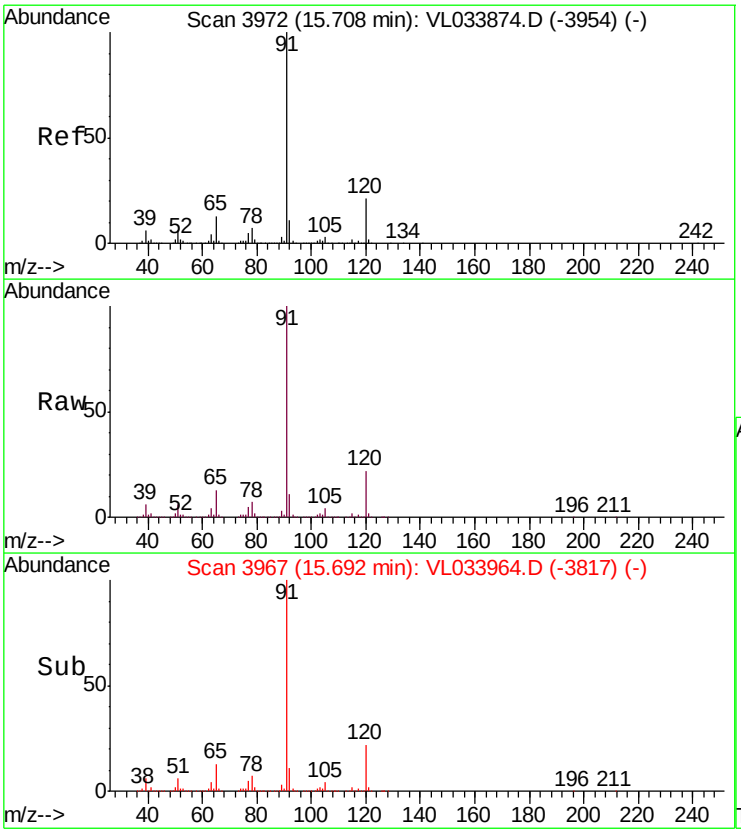
#63
1,1,2,2-Tetrachloroethane
Concen: 8.205 ppbv
RT: 13.81 min Scan# 3381
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1806961

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.4
85	65.2	32.1	96.3

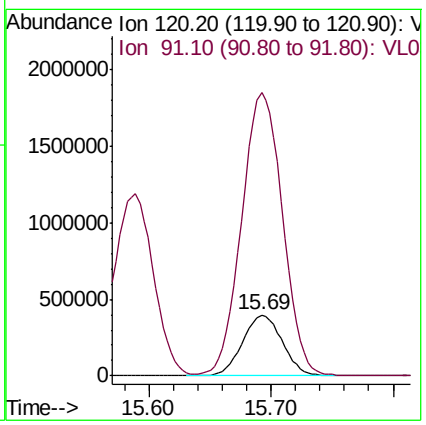


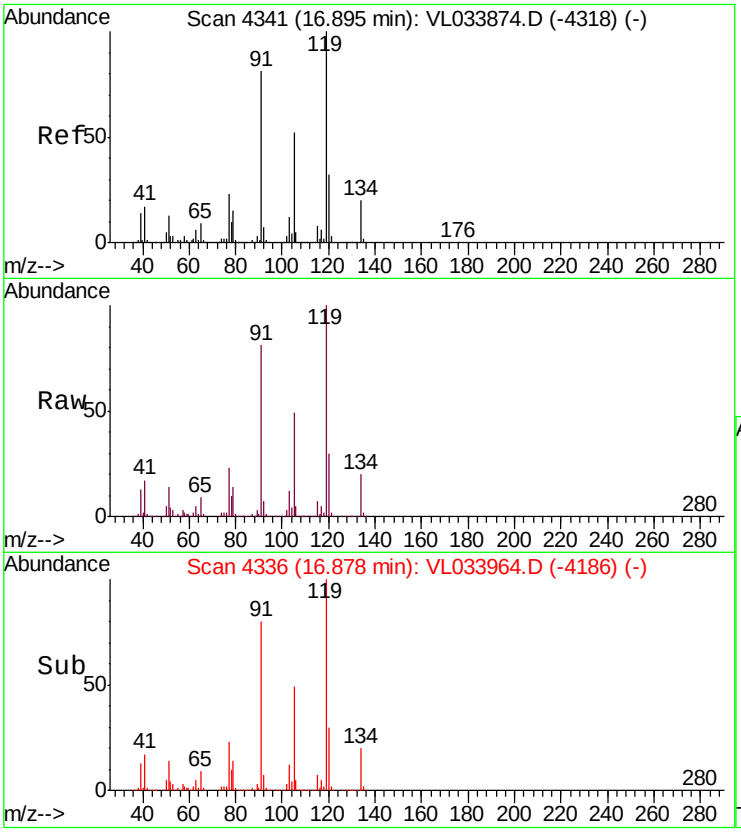


#64
n-propylbenzene
Concen: 8.877 ppbv
RT: 15.69 min Scan# 3967
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:120 Resp: 896451

Ion	Ratio	Lower	Upper
120	100		
91	479.5	387.0	580.6



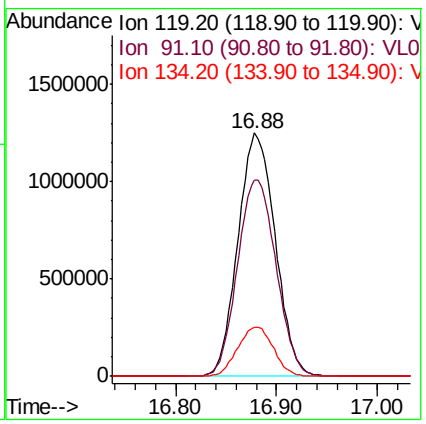


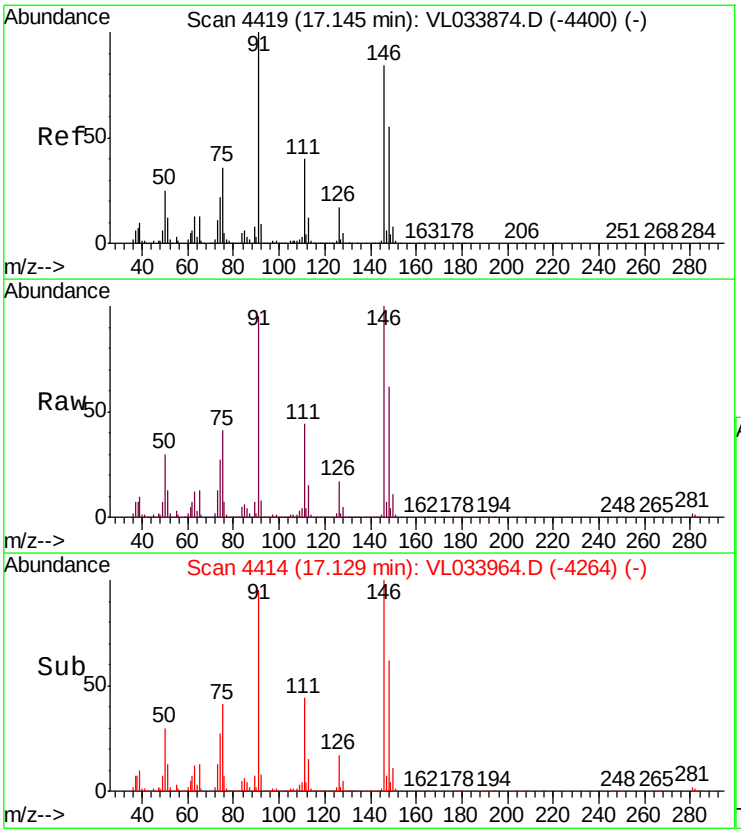
#65
tert-Butylbenzene
Concen: 8.785 ppbv
RT: 16.88 min Scan# 4336
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3205357

Ion	Ratio	Lower	Upper
119	100		
91	83.8	66.6	100.0
134	19.5	15.5	23.3

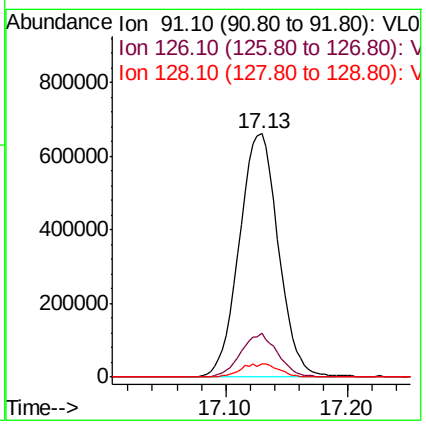


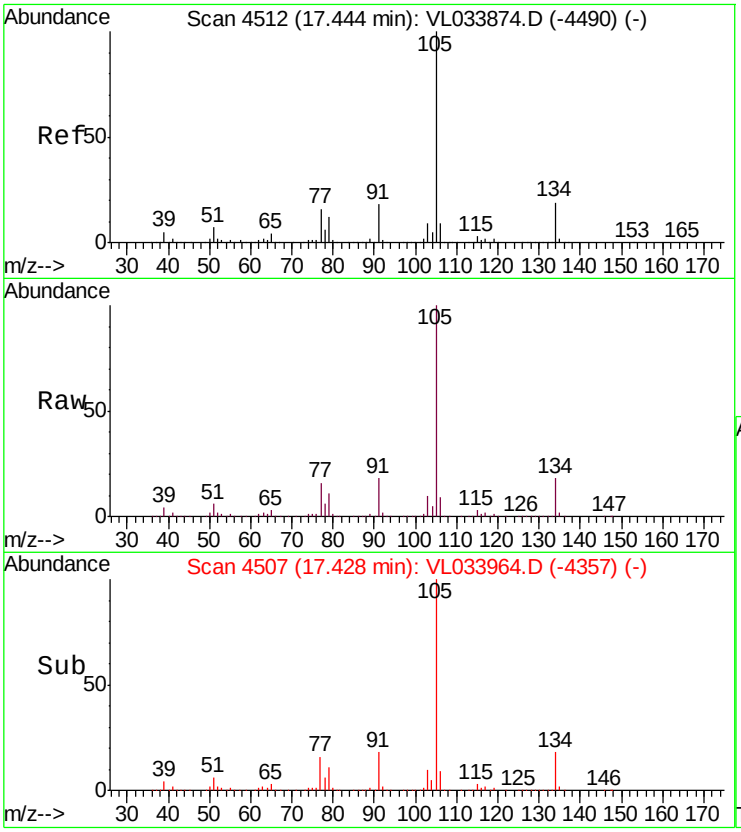


#66
Benzyl Chloride
Concen: 7.874 ppbv
RT: 17.13 min Scan# 4414
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 91 Resp: 1455930

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.8	20.6
128	5.4	4.4	6.6



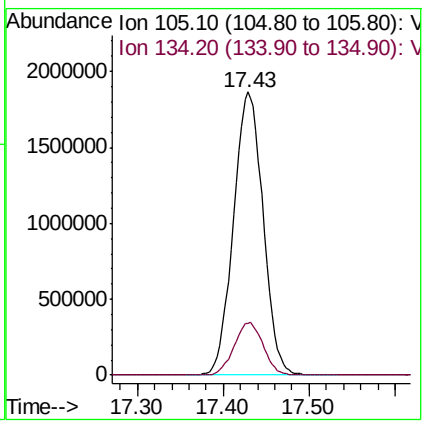


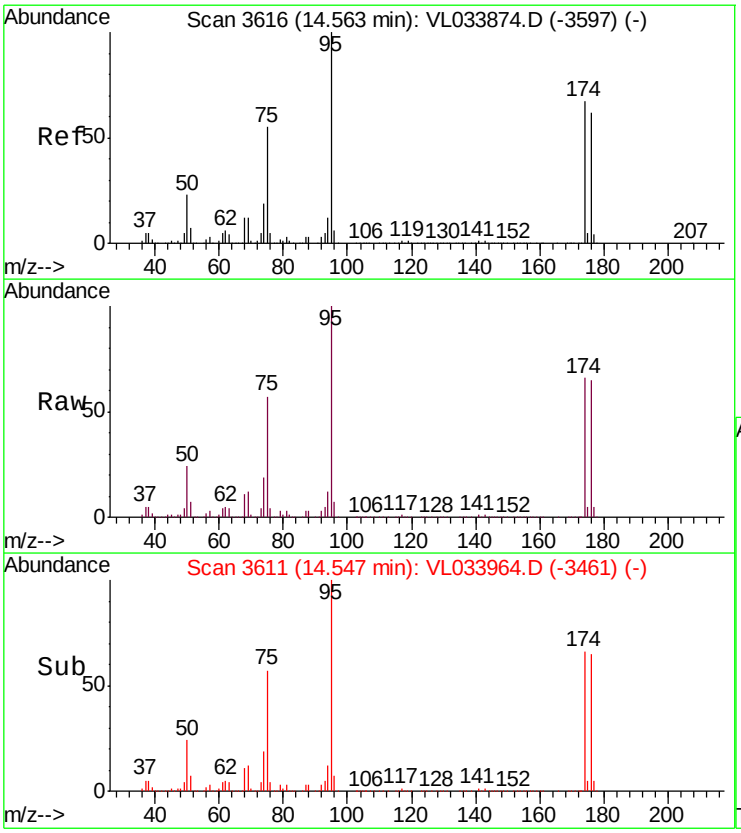
#67
sec-Butylbenzene
Concen: 8.683 ppbv
RT: 17.43 min Scan# 4507
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4444848

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	22.0

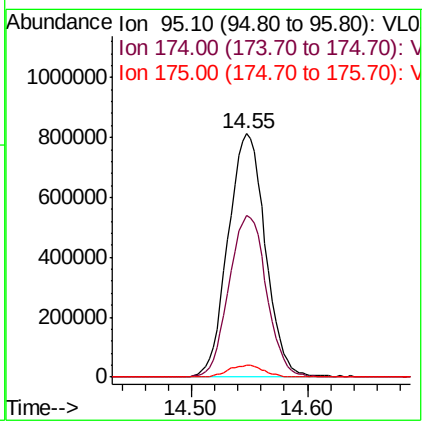


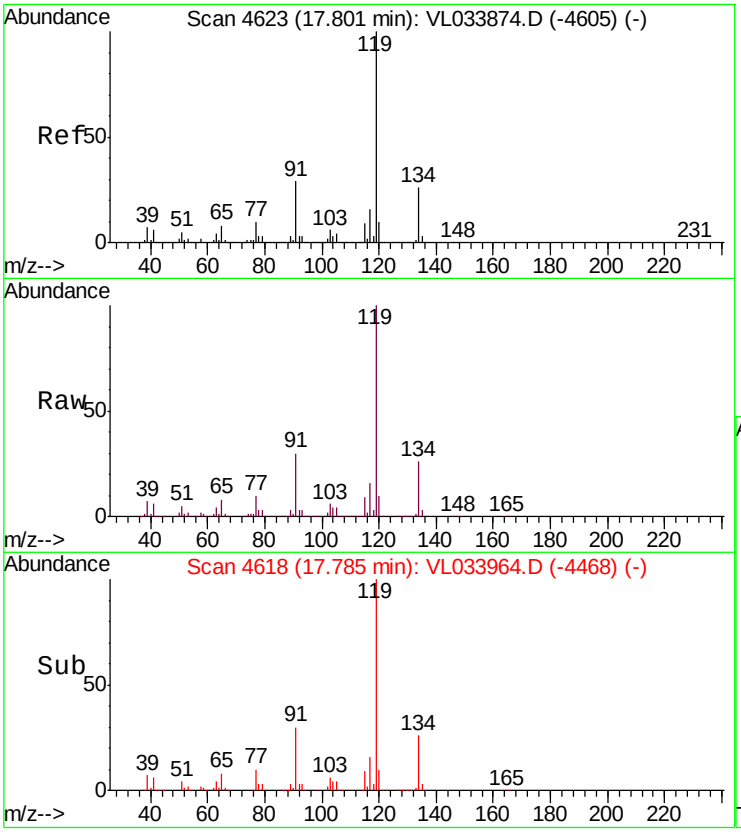


#68
1-Bromo-4-Fluorobenzene
Concen: 7.972 ppbv
RT: 14.55 min Scan# 3611
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 95 Resp: 1809785

Ion	Ratio	Lower	Upper
95	100		
174	66.9	54.0	81.0
175	4.8	3.8	5.8



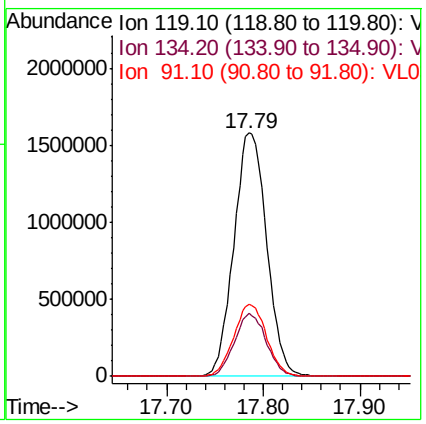


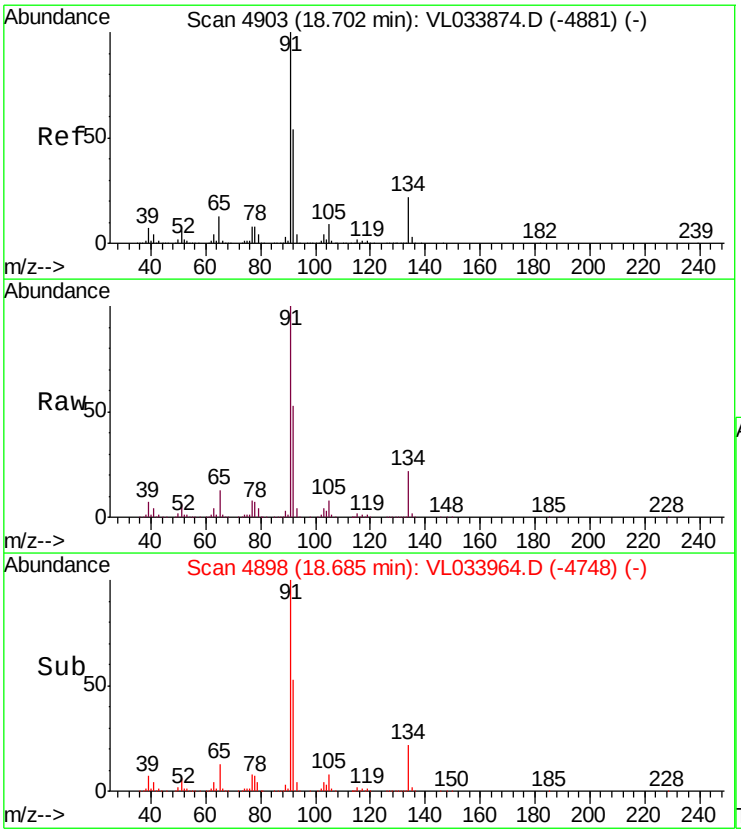
#69
p-Isopropyltoluene
Concen: 8.757 ppbv
RT: 17.79 min Scan# 4618
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:119 Resp: 3729797

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.3	30.5
91	29.7	23.8	35.6

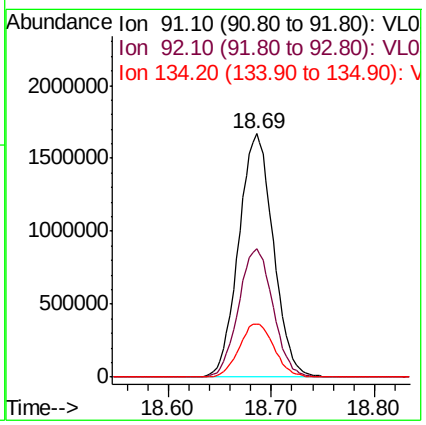


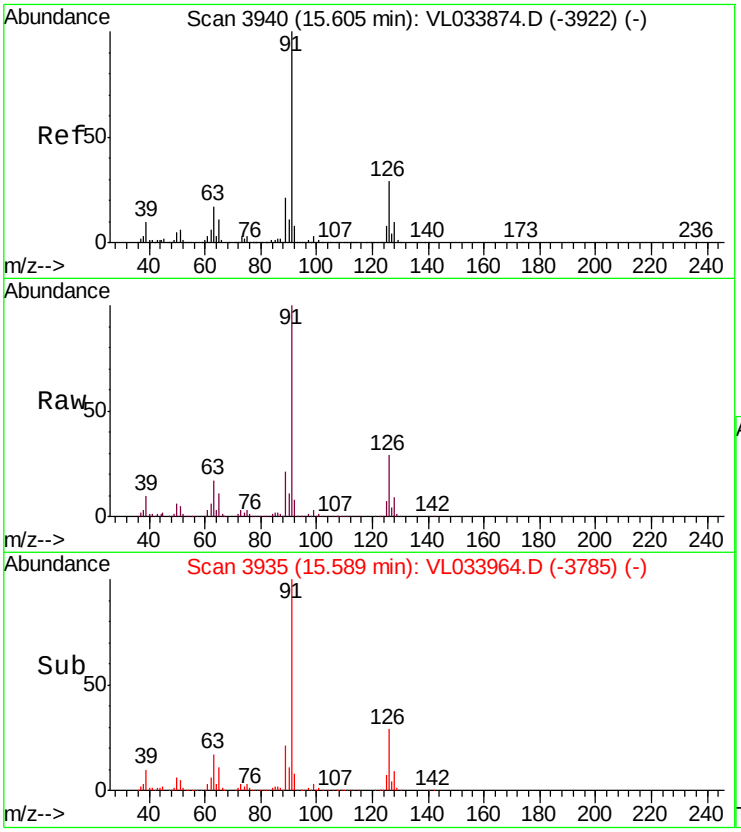


#70
n-Butylbenzene
Concen: 8.321 ppbv
RT: 18.69 min Scan# 4898
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion: 91 Resp: 3881802

Ion	Ratio	Lower	Upper
91	100		
92	52.8	42.5	63.7
134	22.2	17.8	26.6



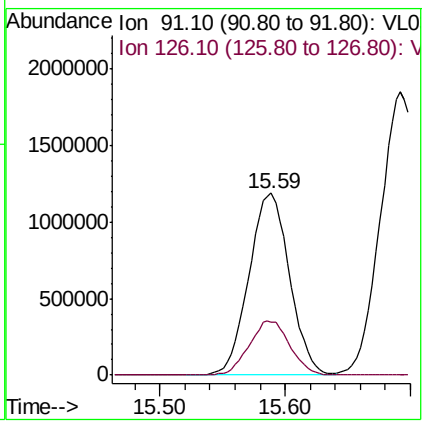


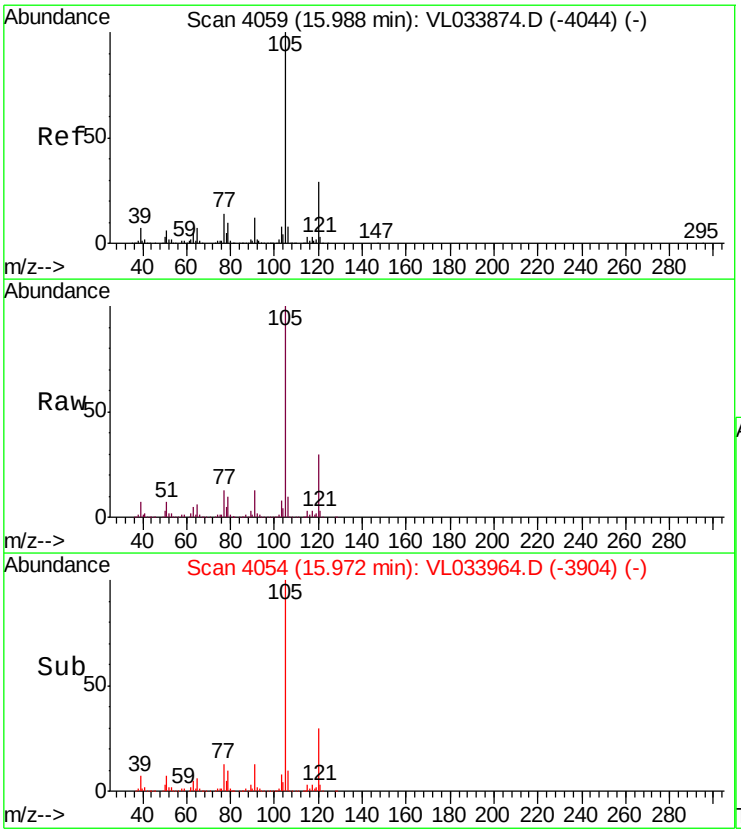
#71
2-Chlorotoluene
Concen: 9.224 ppbv
RT: 15.59 min Scan# 3935
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2679547

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.0	48.2

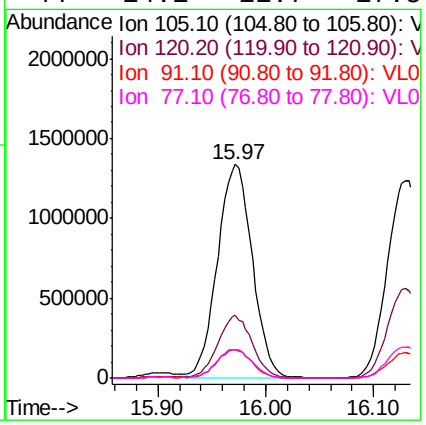


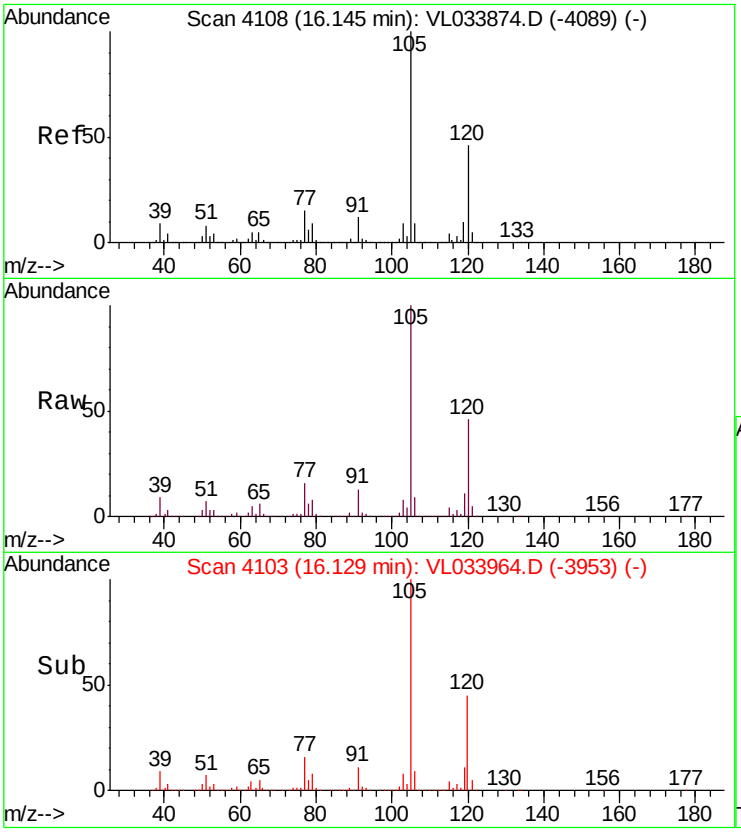


#72
4-Ethyltoluene
Concen: 9.021 ppbv
RT: 15.97 min Scan# 4054
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:105 Resp: 3003577

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.5	35.3
91	13.4	10.4	15.6
77	14.1	11.7	17.5



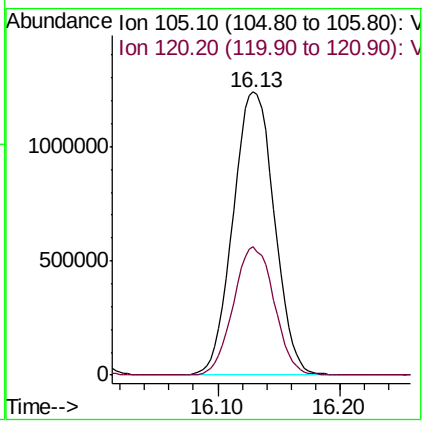


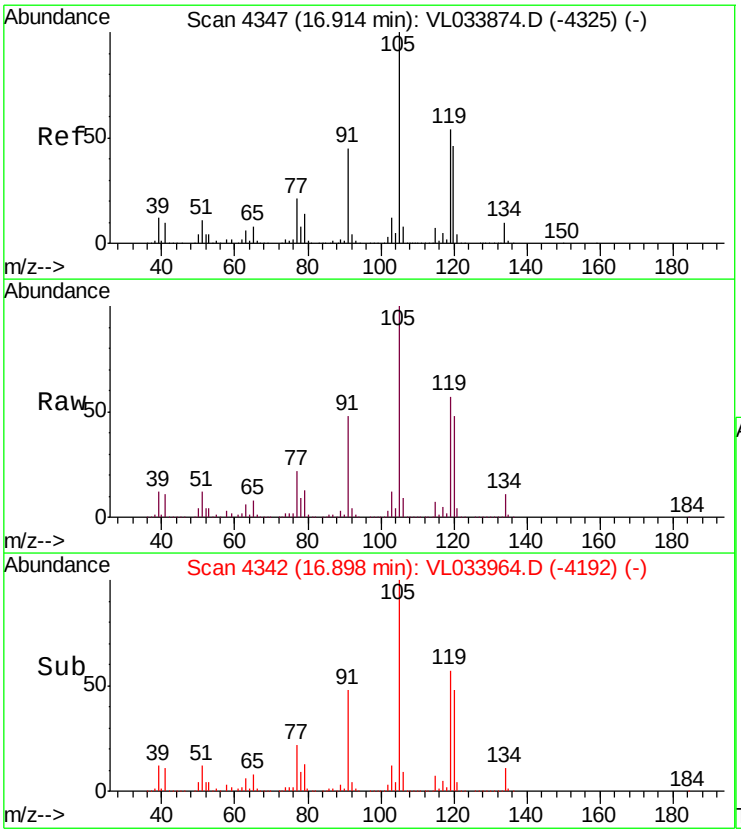
#73
1,3,5-Trimethylbenzene
Concen: 8.825 ppbv
RT: 16.13 min Scan# 4103
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 2894096

Ion	Ratio	Lower	Upper
105	100		
120	45.6	37.1	55.7

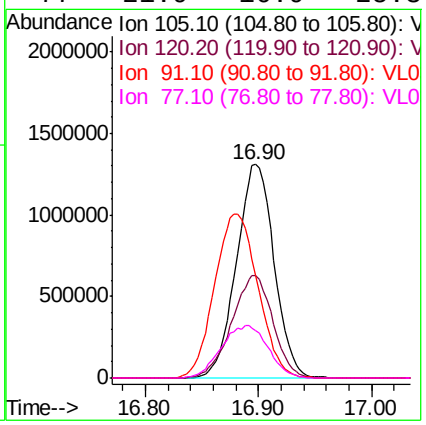


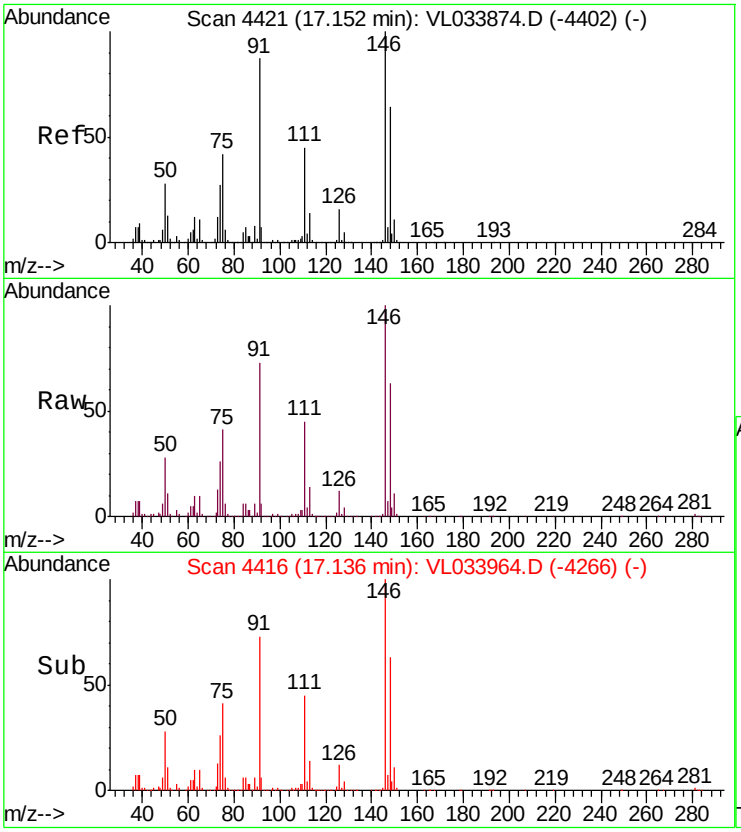


#74
1,2,4-Trimethylbenzene
Concen: 8.032 ppbv
RT: 16.90 min Scan# 4342
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:105 Resp: 3036021

Ion	Ratio	Lower	Upper
105	100		
120	48.0	36.7	55.1
91	47.7	35.8	53.8
77	21.9	16.9	25.3



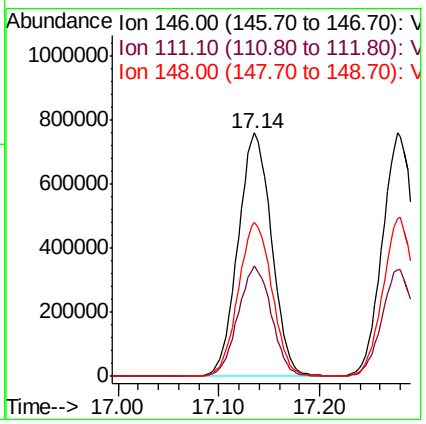


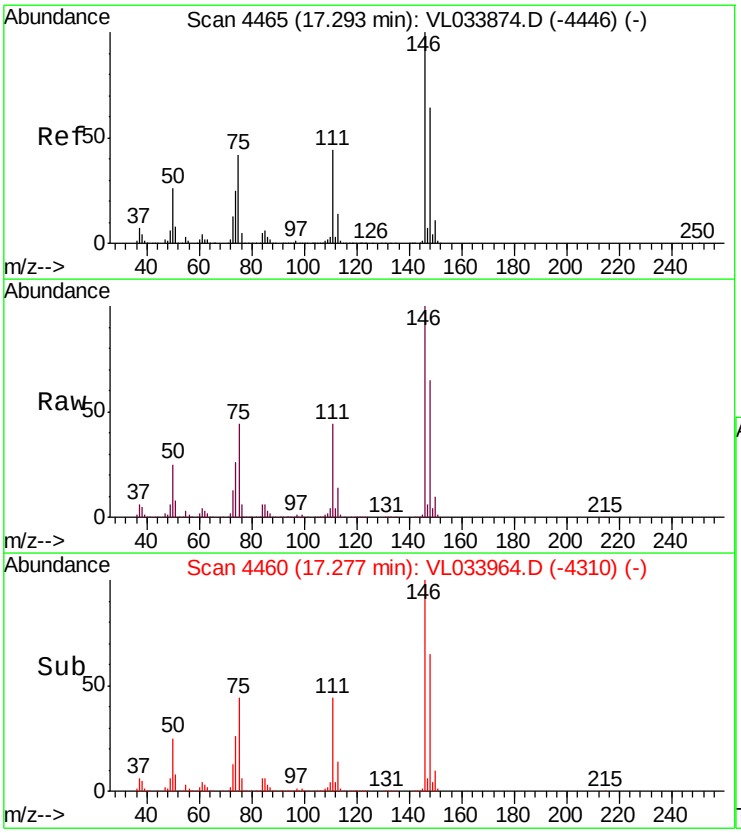
#75
1,3-Dichlorobenzene
Concen: 7.403 ppbv
RT: 17.14 min Scan# 4416
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1752454

Ion	Ratio	Lower	Upper
146	100		
111	45.2	22.8	68.3
148	63.6	32.2	96.6

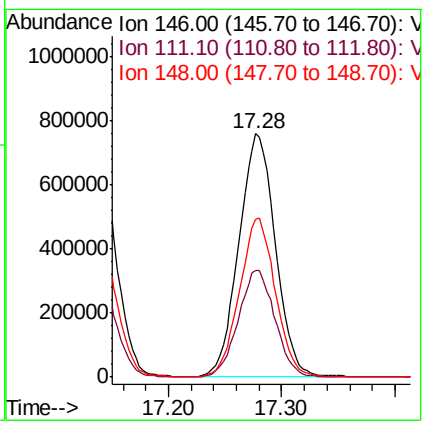


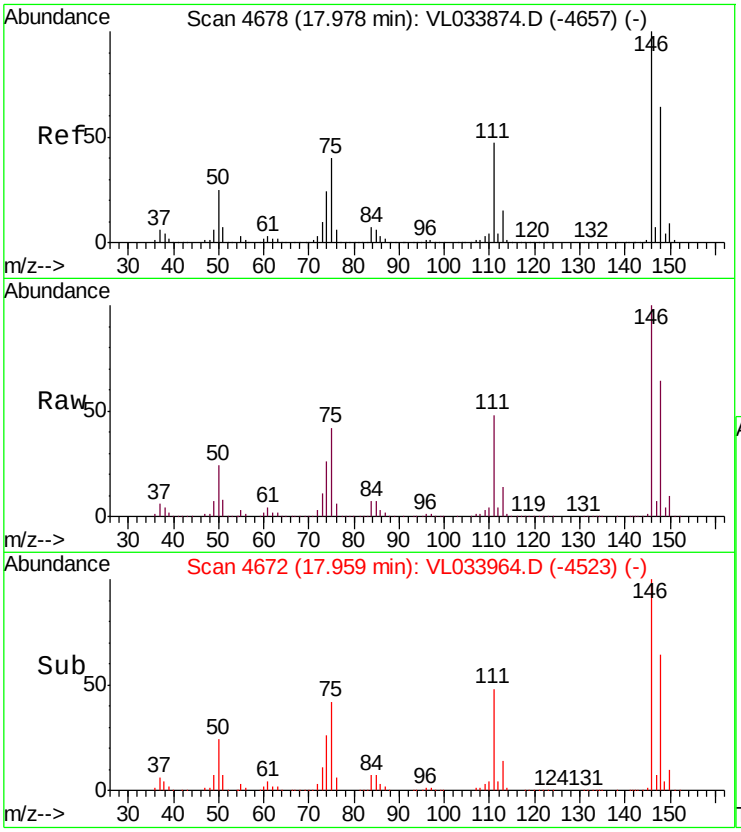


#76
1,4-Dichlorobenzene
Concen: 7.809 ppbv
RT: 17.28 min Scan# 4460
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:146 Resp: 1697252

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.5
148	64.8	32.4	97.0



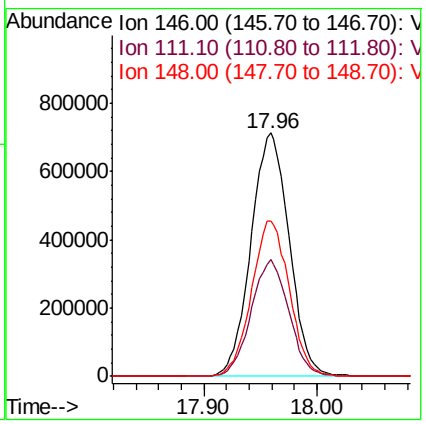


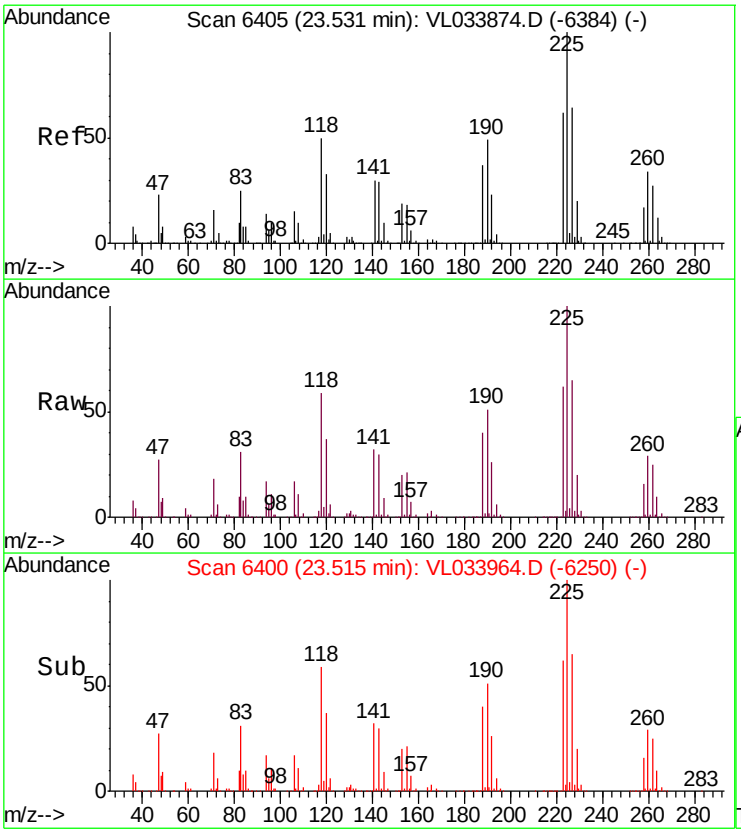
#77
1,2-Dichlorobenzene
Concen: 7.631 ppbv
RT: 17.96 min Scan# 4672
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:146 Resp: 1667071

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.4	70.0
148	63.5	31.8	95.4

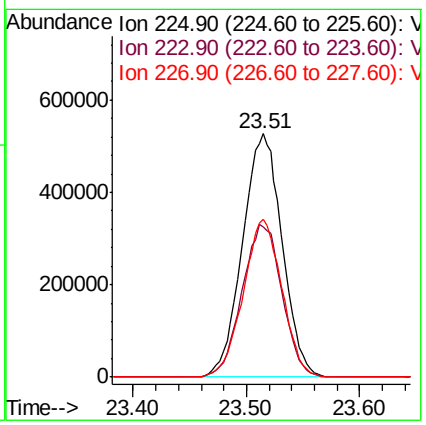


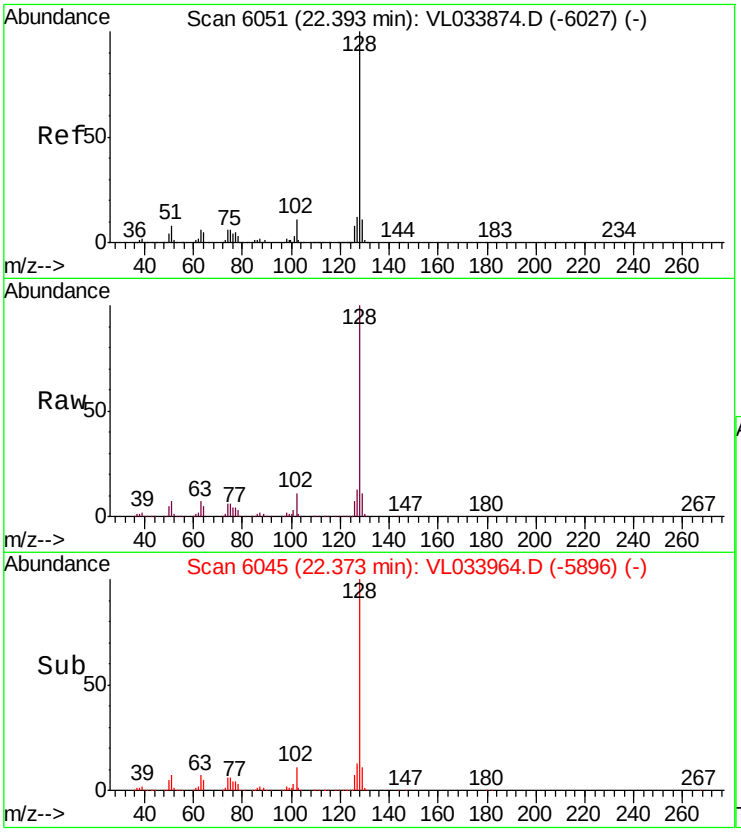


#78
Hexachloro-1,3-Butadiene
Concen: 7.513 ppbv
RT: 23.51 min Scan# 6400
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:225 Resp: 1281825

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.8	76.2
227	63.0	51.8	77.6



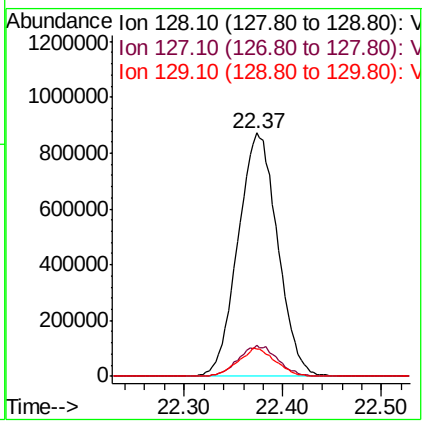


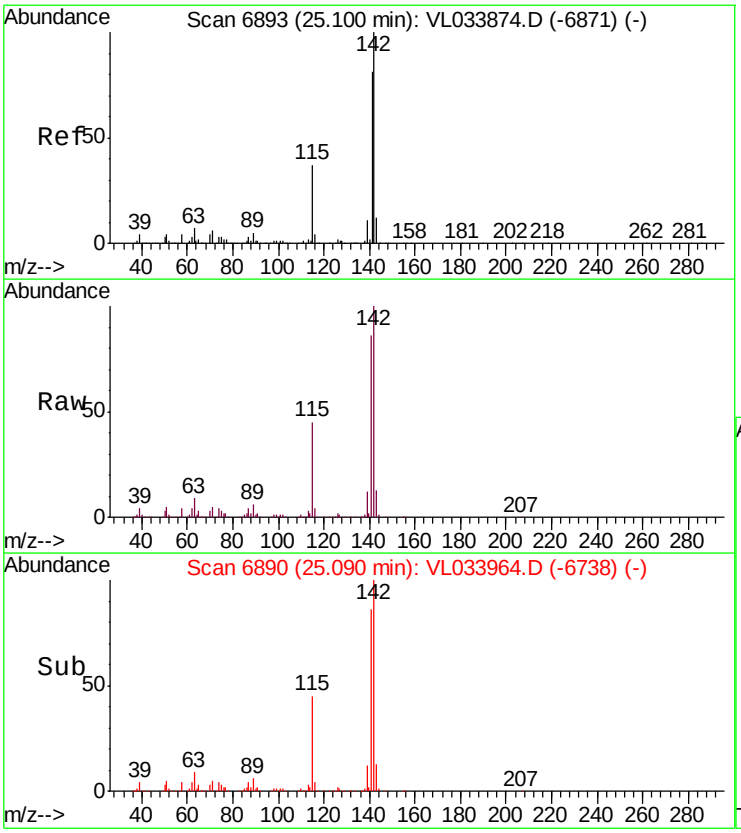
#79
Naphthalene
Concen: 8.007 ppbv
RT: 22.37 min Scan# 6045
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2419255

Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.7	14.5
129	10.9	8.6	12.8

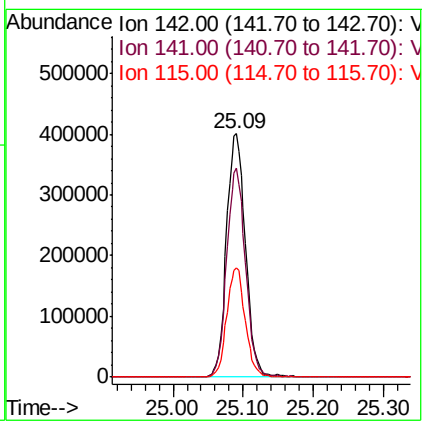


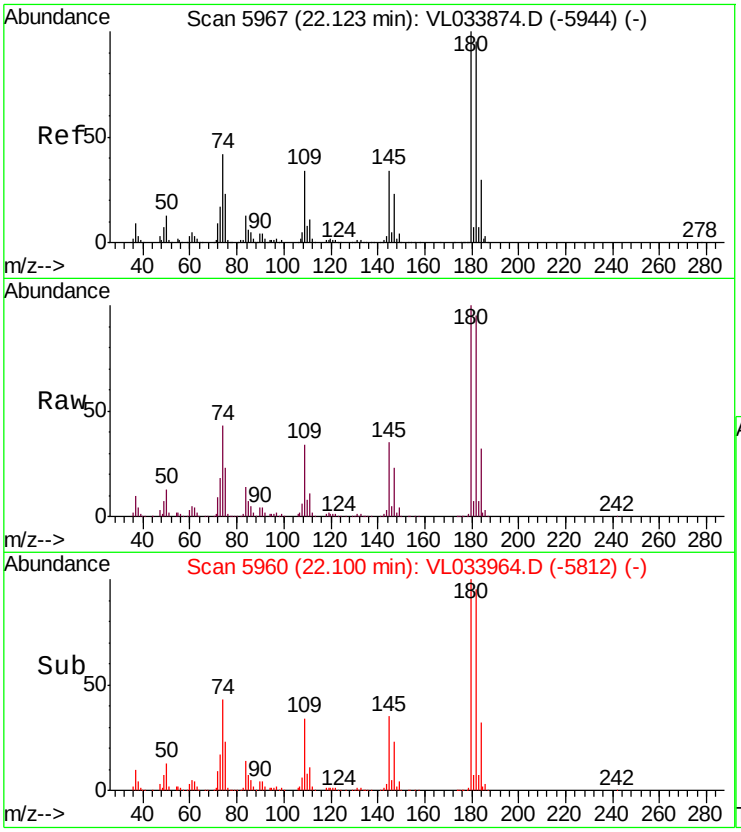


#80
Naphthalene,2-methyl-
Concen: 6.281 ppbv
RT: 25.09 min Scan# 6890
Delta R.T. -0.01 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Tgt Ion:142 Resp: 757150

Ion	Ratio	Lower	Upper
142	100		
141	84.5	65.7	98.5
115	43.7	28.9	43.3#





#81
1,2,4-Trichlorobenzene
Concen: 7.078 ppbv
RT: 22.10 min Scan# 5960
Delta R.T. -0.02 min
Lab File: VL033964.D
Acq: 26 Jun 2019 11:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1350150

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	30.6	24.5	36.7