Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033811.D
Acq On : 28 May 2019 19:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 29 05:29:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	904757	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2310899	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2842836	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1810936	7.86	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 78.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1573642	8.253	ppbv	100
3) Chlorodifluoromethane	3.01	51	988272	9.536	ppbv	99
4) Chloromethane	3.17	50	594241	10.025	ppbv	98
5) Vinyl Chloride	3.29	62	592169	9.807	ppbv	99
6) Bromomethane	3.51	94	369779	10.037	ppbv	99
7) Chloroethane	3.60	64	216979	10.111	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1482201	9.642	ppbv	98
9) Propene	3.03	41	469028	10.640	ppbv	99
10) Heptane	8.24	43	1222060	9.790	ppbv	100
11) Trichlorofluoromethane	4.00	101	1634740	8.983	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1144888	9.009	ppbv	98
13) Ethanol	3.65	45	76796	5.390	ppbv	99
14) Bromoethene	3.78	108	488698	10.460	ppbv	98
15) Acetone	3.90	43	1037162	8.262	ppbv	98
16) 1,3-Butadiene	3.36	39	518258	10.367	ppbv	99
17) tert-Butyl alcohol	4.35	59	905964	8.925	ppbv	100
18) 1,1-Dichloroethene	4.35	96	505400	9.422	ppbv	98
19) Isopropyl Alcohol	4.02	45	614599	7.593	ppbv	99
20) Methylene Chloride	4.40	84	427745	8.850	ppbv	97
21) Allyl Chloride	4.47	41	727066	9.286	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	509694	9.271	ppbv	96
23) Vinyl Acetate	5.15	43	1734669	10.481	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1199053	9.530	ppbv	99
25) Ethyl Acetate	5.76	43	2136831	9.690	ppbv	99
26) Hexane	5.78	57	958202	10.108	ppbv	98
27) Carbon Disulfide	4.62	76	1247921	9.595	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1626380	10.524	ppbv	100
29) Chloroform	5.85	83	1595844	9.139	ppbv	98
30) Cyclohexane	7.24	84	843550	10.584	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	969534	10.315	ppbv	94
32) 1,1,1-Trichloroethane	6.62	97	1610363	9.236	ppbv	99
34) 2-Butanone	5.33	43	1392371	9.721	ppbv	99
35) Carbon Tetrachloride	7.13	117	1690883	9.134	ppbv	98
36) Benzene	7.00	78	1963808	9.342	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1173771	8.656	ppbv	99
38) Trichloroethene	7.96	130	870592	11.161	ppbv	98
39) 1,2-Dichloropropane	7.73	63	800095	10.209	ppbv	96
40) 1,4-Dioxane	7.95	88	286553	8.740	ppbv #	99
41) Tetrahydrofuran	6.14	42	780057	9.720	ppbv	98
42) Bromodichloromethane	7.91	83	1855935	9.997	ppbv	97
43) Methyl Methacrylate	8.13	69	814945	10.534	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033811.D
Acq On : 28 May 2019 19:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 29 05:29:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3519778	9.907	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	1050164	10.708	ppbv		99
46) cis-1,3-Dichloropropene	8.83	75	1199169	10.442	ppbv		95
47) 1,1,2-Trichloroethane	9.61	97	844803	9.489	ppbv		98
48) Dibromochloromethane	10.45	129	1468700	9.520	ppbv		99
49) Bromoform	13.20	173	1450167	11.172	ppbv		99
50) 4-Methyl-2-Pentanone	8.86	43	2087434	9.474	ppbv		99
51) 2-Hexanone	10.26	43	1706474	9.924	ppbv		99
52) Tetrachloroethene	11.37	164	763022	10.326	ppbv		98
53) Toluene	9.94	91	2334744	10.297	ppbv		100
54) 1,2-Dibromoethane	10.75	107	1306555	9.616	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1006922	7.654	ppbv		96
57) Chlorobenzene	12.30	112	1787047	7.637	ppbv		98
58) Ethyl Benzene	12.86	91	3271846	8.691	ppbv		100
59) m/p-Xylene	13.15	91	3020913	9.180	ppbv	#	35
60) o-Xylene	13.85	91	2718089	8.193	ppbv		99
61) Styrene	13.68	104	2084897	9.335	ppbv		99
62) Isopropylbenzene	14.82	105	3619852	8.103	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1901277	7.881	ppbv		99
64) n-propylbenzene	15.72	120	964523	8.346	ppbv		97
65) tert-Butylbenzene	16.90	119	3368257	8.258	ppbv		99
66) Benzyl Chloride	17.15	91	1720390	8.855	ppbv		100
67) sec-Butylbenzene	17.45	105	4679971	8.197	ppbv		100
69) p-Isopropyltoluene	17.81	119	3924044	8.316	ppbv		100
70) n-Butylbenzene	18.71	91	4216523	8.333	ppbv		100
71) 2-Chlorotoluene	15.61	91	2746552	8.286	ppbv		99
72) 4-Ethyltoluene	15.99	105	3222155	8.495	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3056792	8.260	ppbv		100
74) 1,2,4-Trimethylbenzene	16.92	105	3203687	7.954	ppbv		97
75) 1,3-Dichlorobenzene	17.16	146	1879531	7.615	ppbv		99
76) 1,4-Dichlorobenzene	17.30	146	1877433	8.004	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	1811073	7.809	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	1032230	5.887	ppbv		99
79) Naphthalene	22.41	128	2594551	6.936	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	947258	6.664	ppbv		99
81) 1,2,4-Trichlorobenzene	22.13	180	1489924	6.802	ppbv		100

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

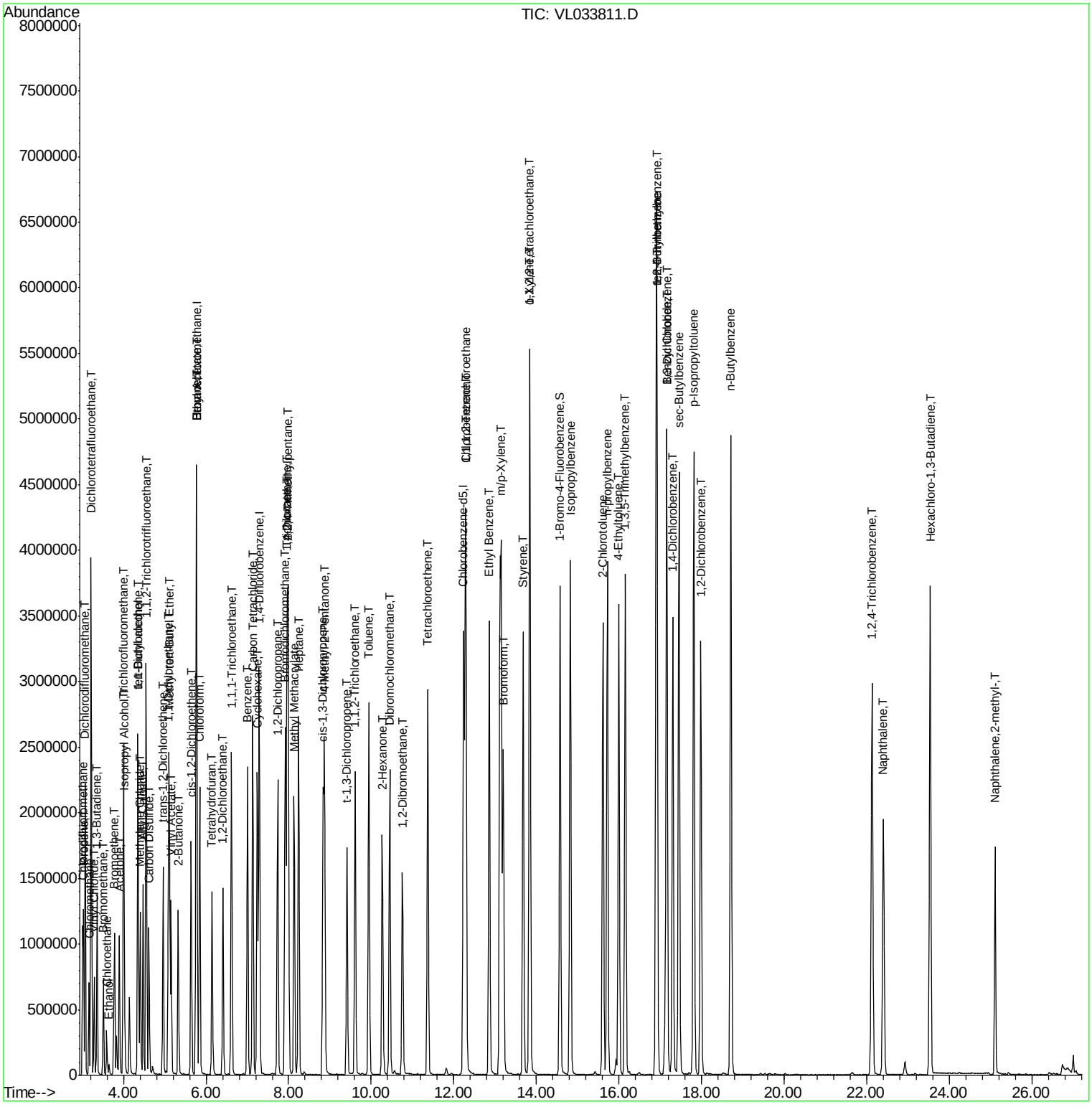
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

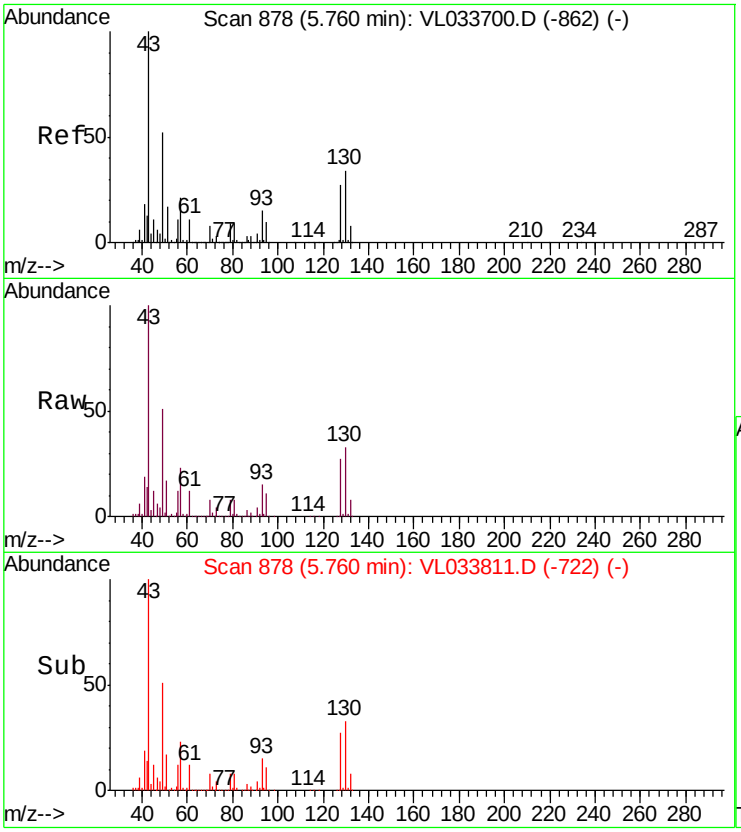
Quantitation Report (Not Reviewed)

Data File : VL033811.D
Acq On : 28 May 2019 19:13
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Quant Time: May 29 05:29:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



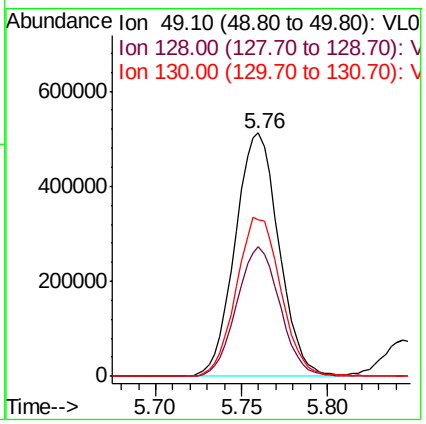


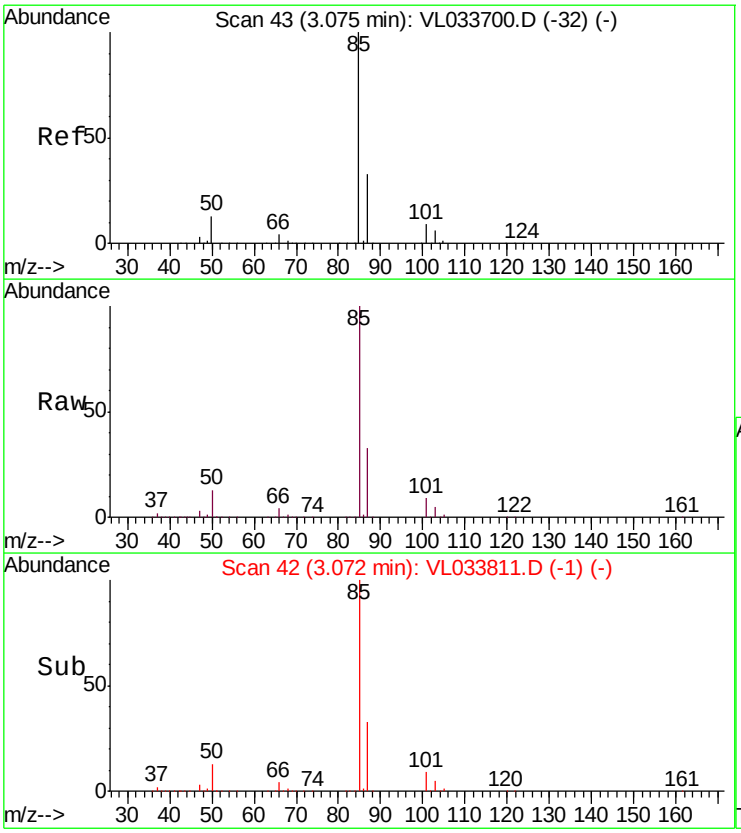
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 49 Resp: 904757

Ion	Ratio	Lower	Upper
49	100		
128	52.7	25.2	75.6
130	66.7	32.5	97.5

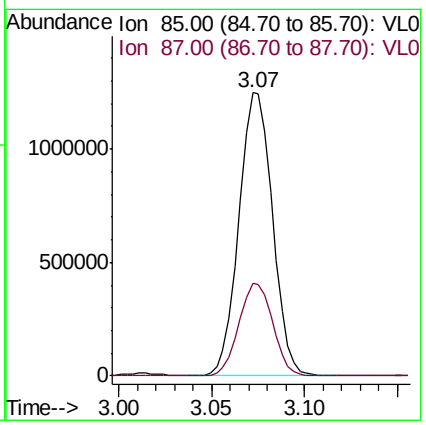


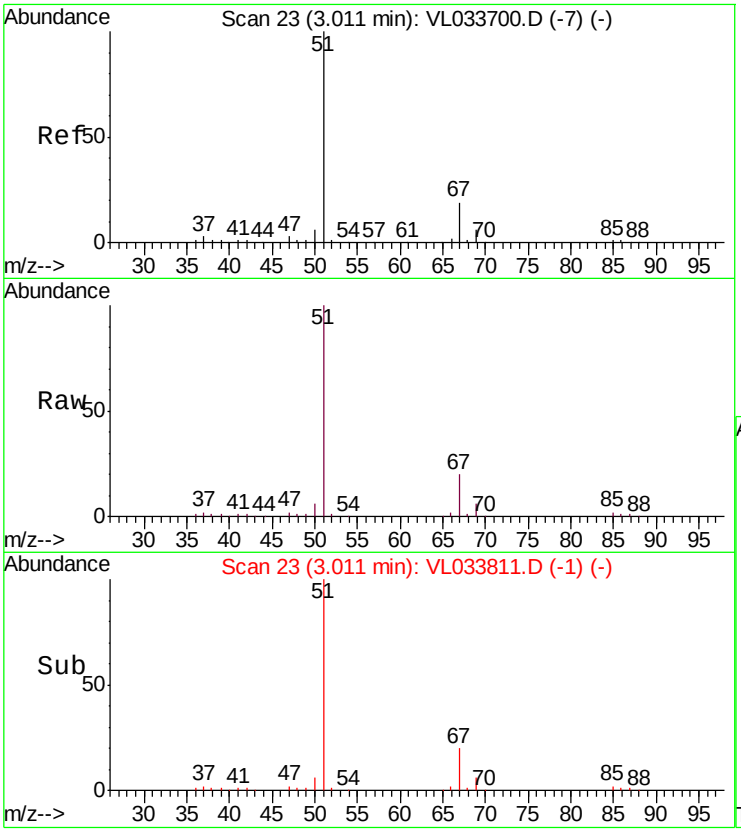


#2
Dichlorodifluoromethane
Concen: 8.253 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 85 Resp: 1573642

Ion	Ratio	Lower	Upper
85	100		
87	32.9	26.3	39.5



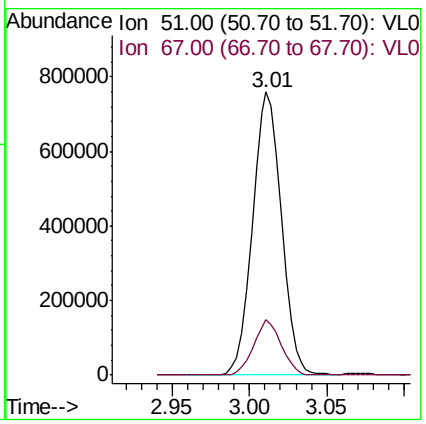


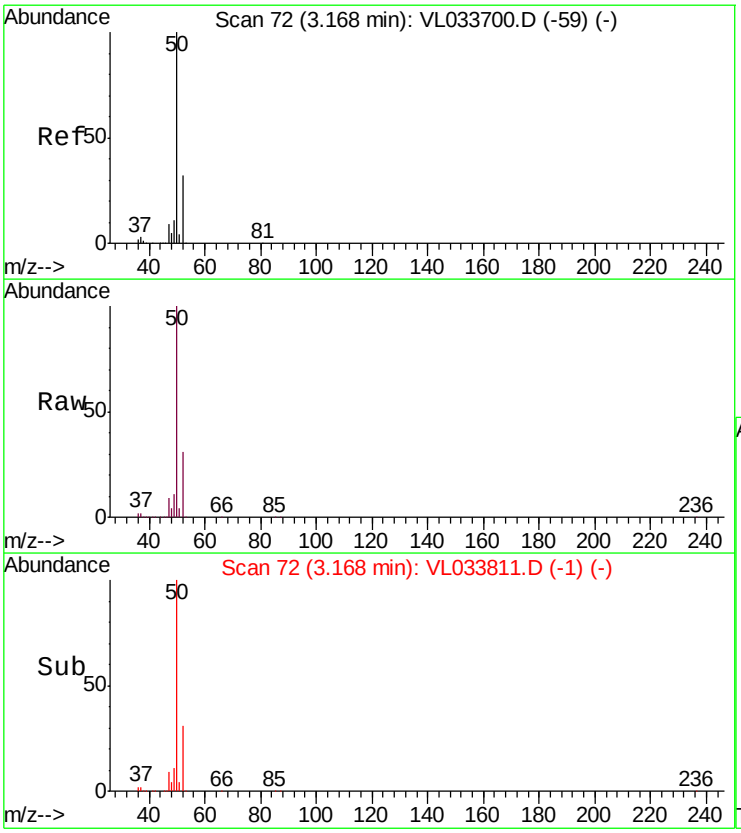
#3
Chlorodifluoromethane
Concen: 9.536 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 51 Resp: 988272

Ion	Ratio	Lower	Upper
51	100		
67	18.8	15.6	23.4

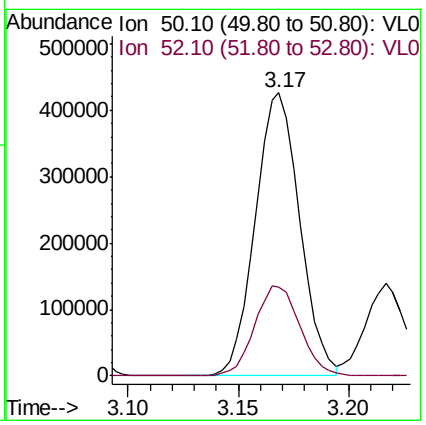


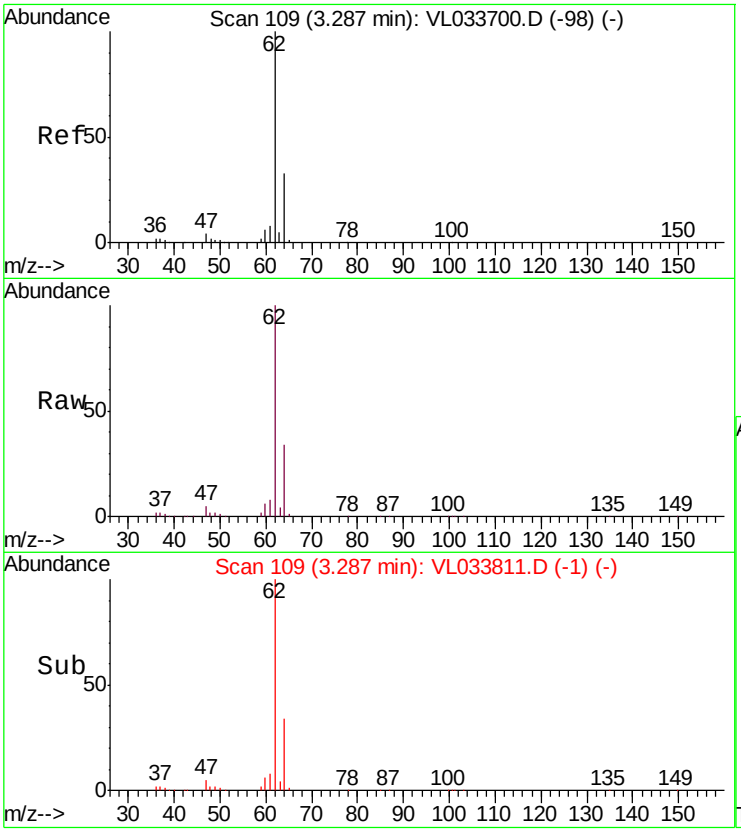


#4
Chloromethane
Concen: 10.025 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 50 Resp: 594241

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.7	38.5



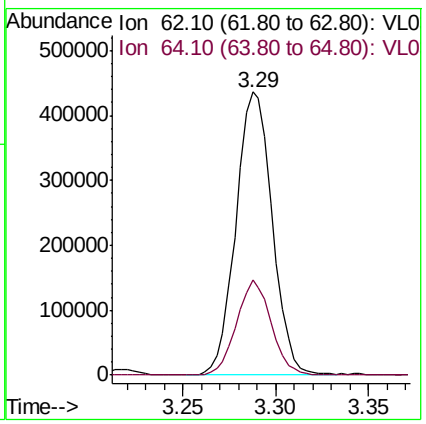


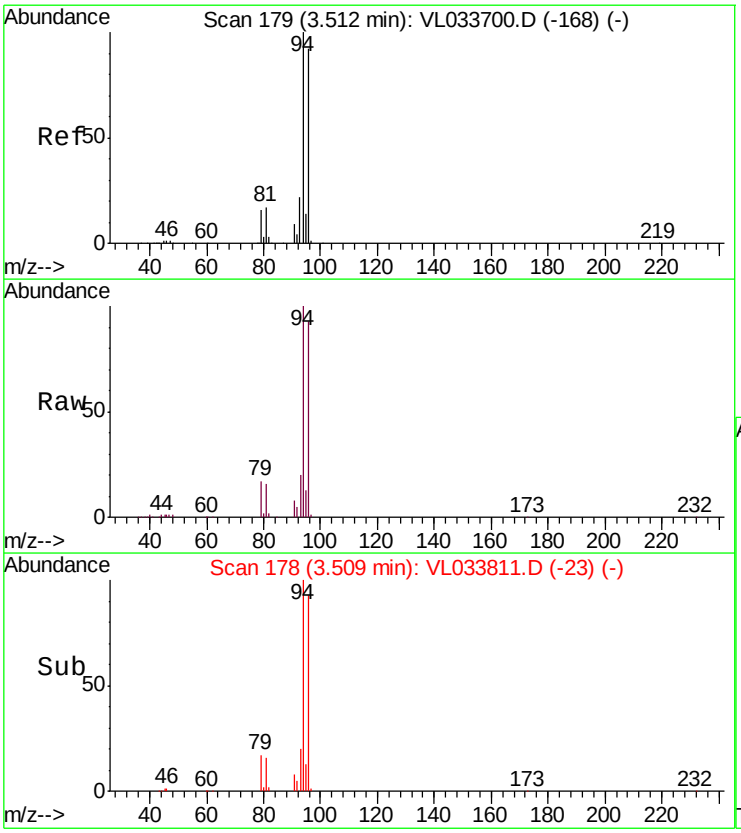
#5
Vinyl Chloride
Concen: 9.807 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 592169

Ion	Ratio	Lower	Upper
62	100		
64	33.8	26.4	39.6

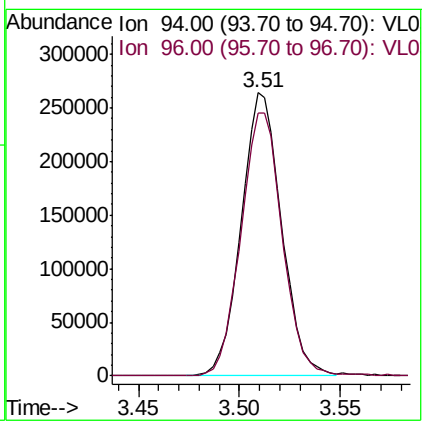


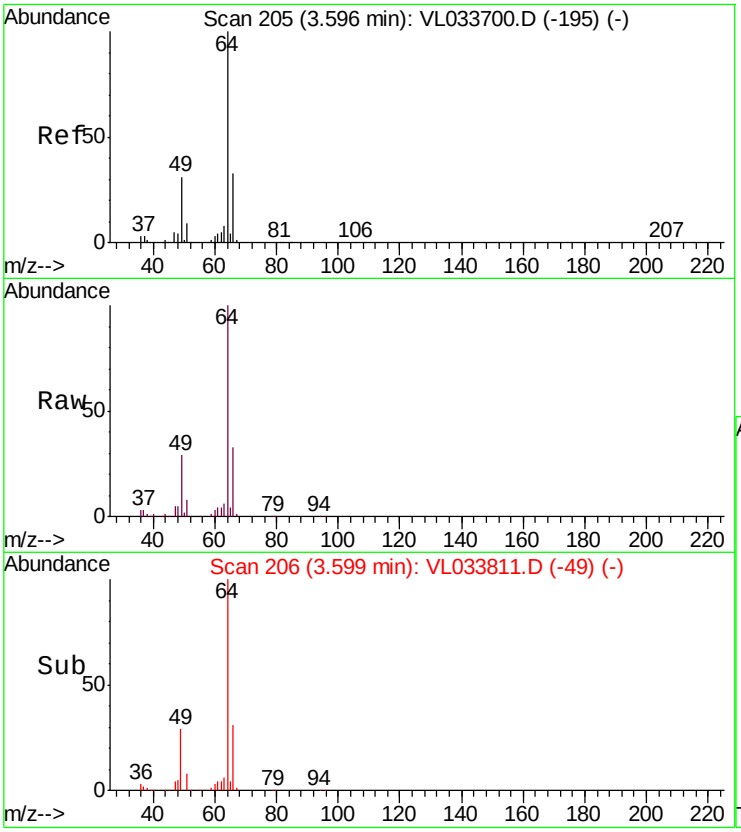


#6
Bromomethane
Concen: 10.037 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 94 Resp: 369779

Ion	Ratio	Lower	Upper
94	100		
96	92.9	73.6	110.4



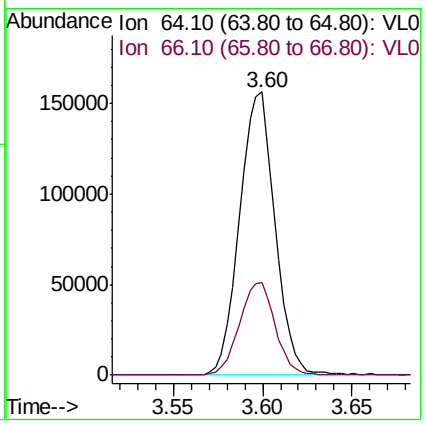


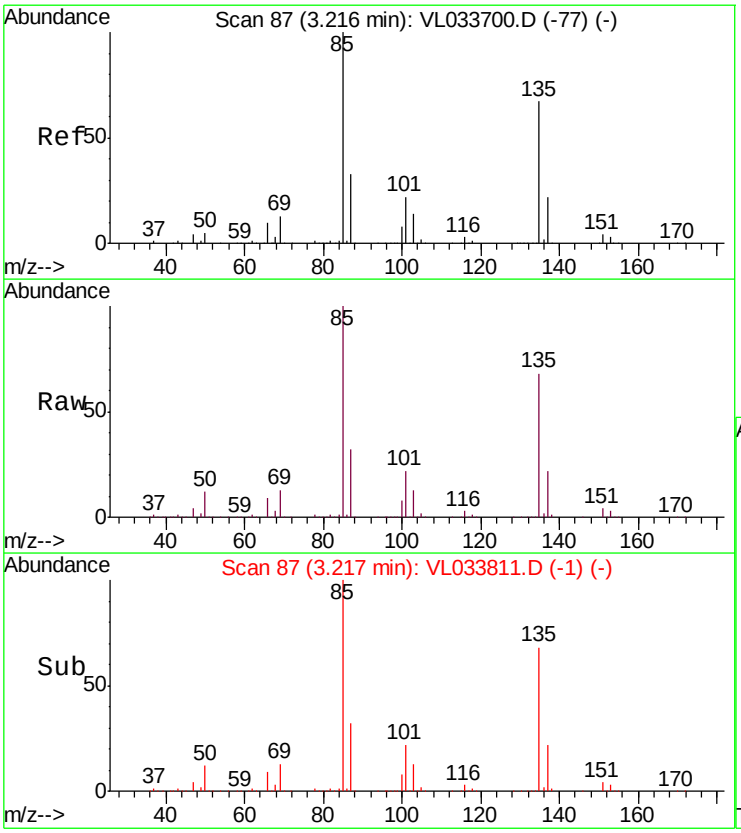
#7
Chloroethane
Concen: 10.111 ppbv
RT: 3.60 min Scan# 206
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 64 Resp: 216979

Ion	Ratio	Lower	Upper
64	100		
66	32.5	26.6	40.0

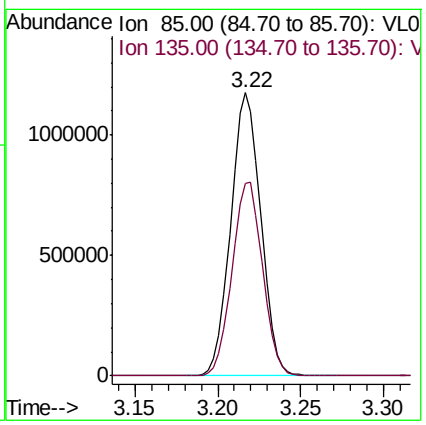


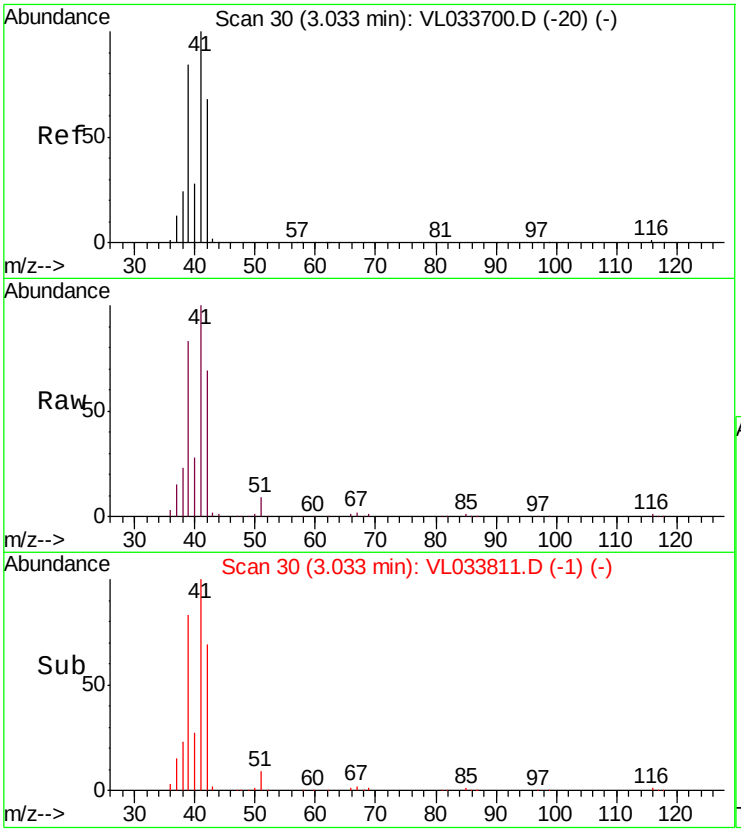


#8
Dichlorotetrafluoroethane
Concen: 9.642 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 85 Resp: 1482201

Ion	Ratio	Lower	Upper
85	100		
135	69.5	54.5	81.7



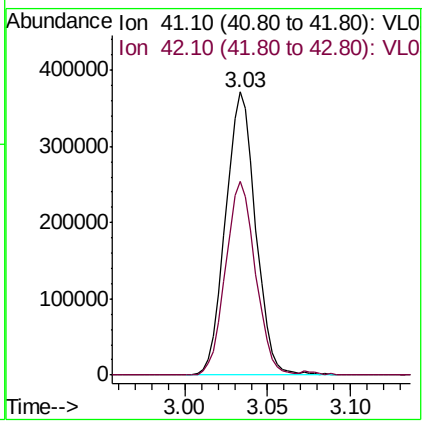


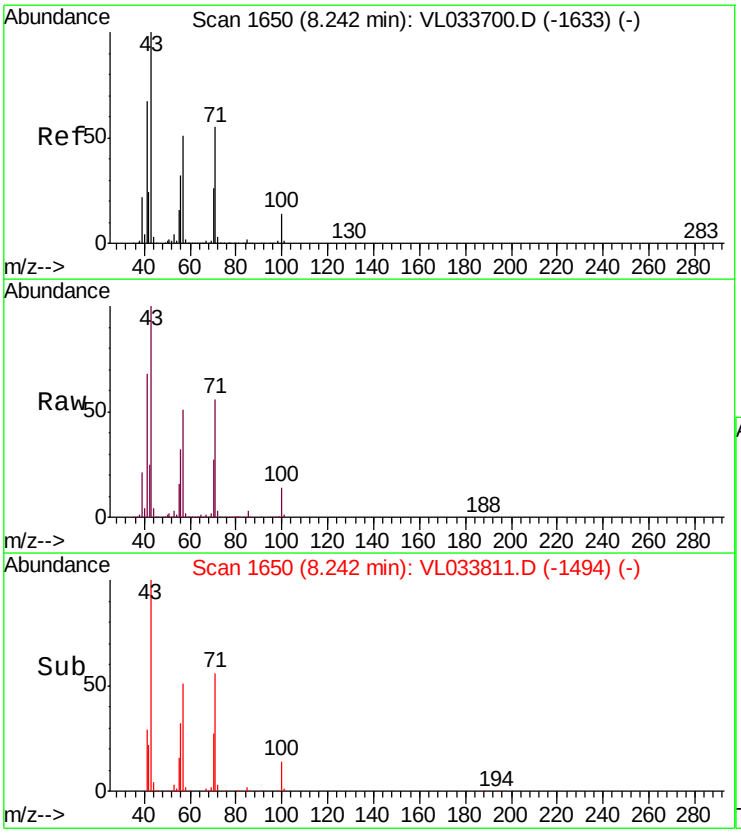
#9
Propene
Concen: 10.640 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 469028

Ion	Ratio	Lower	Upper
41	100		
42	68.9	56.1	84.1

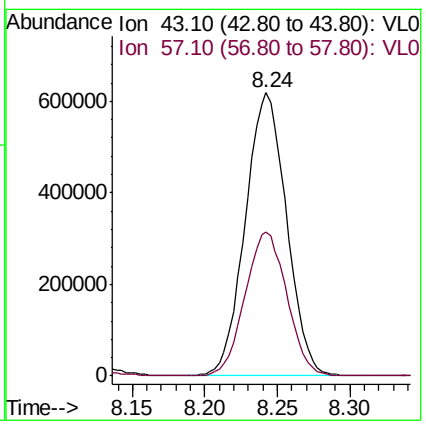


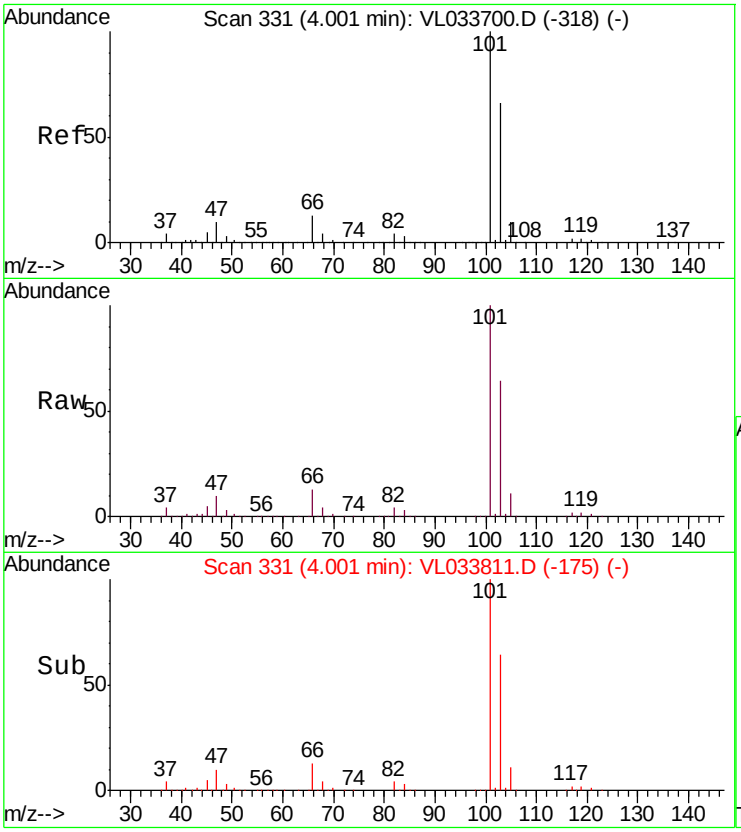


#10
Heptane
Concen: 9.790 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 43 Resp: 1222060

Ion	Ratio	Lower	Upper
43	100		
57	51.6	41.4	62.0



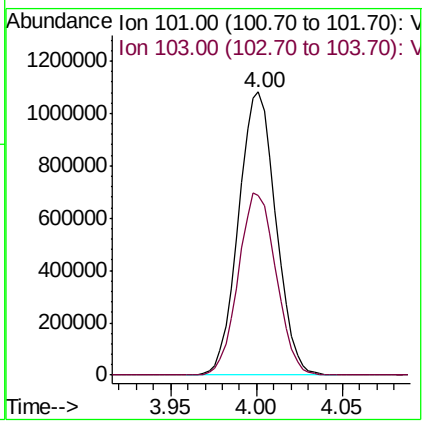


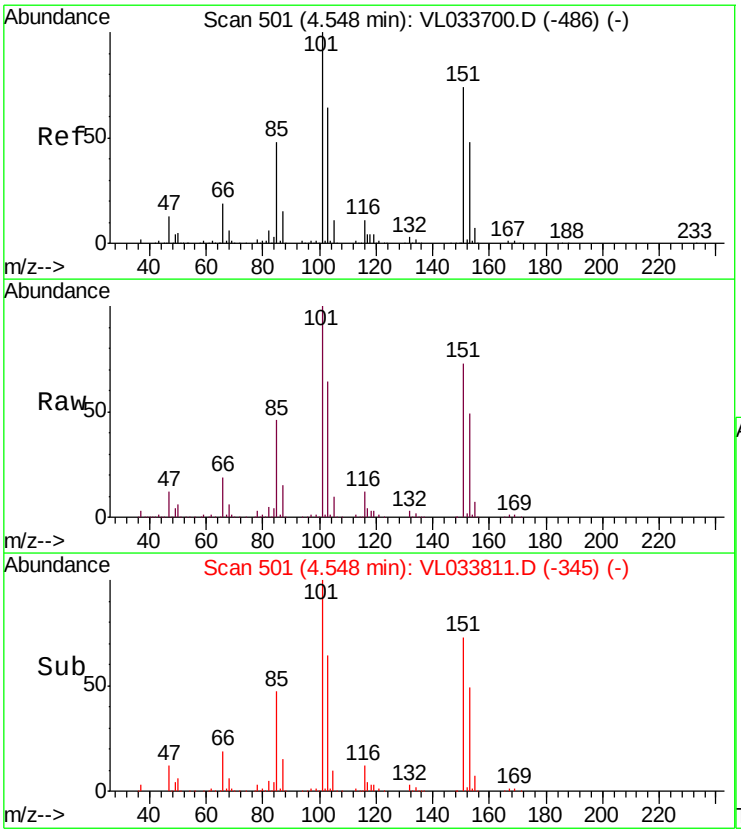
#11
Trichlorofluoromethane
Concen: 8.983 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:101 Resp: 1634740

Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.6	78.8

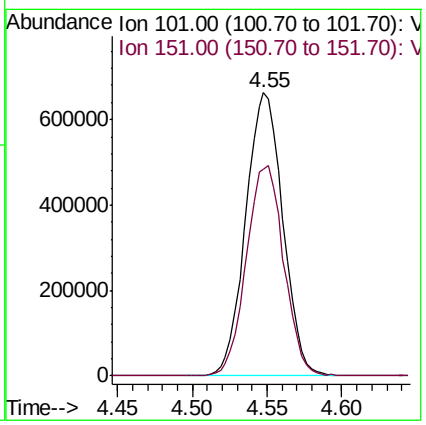


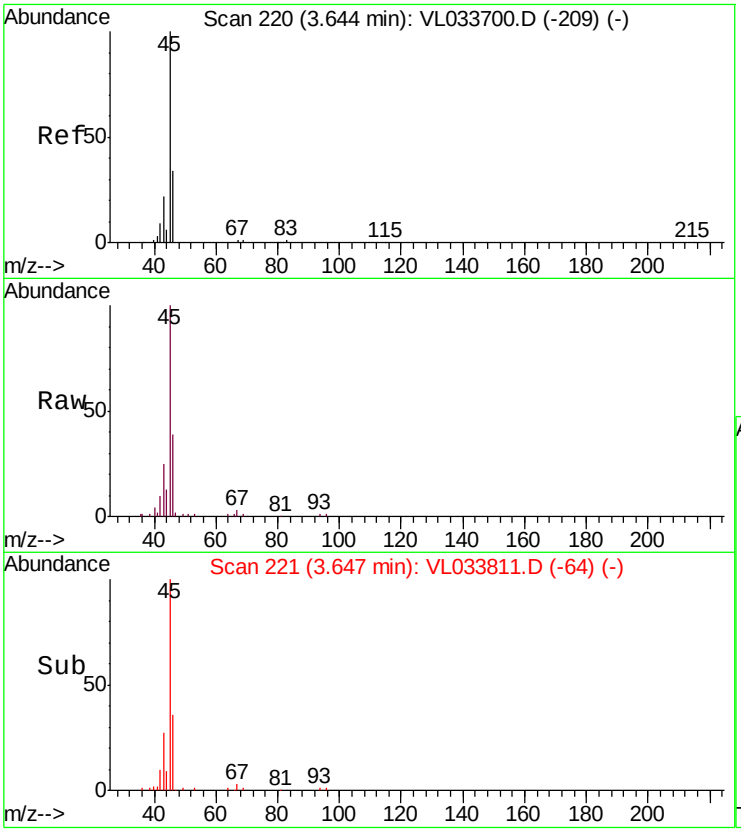


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.009 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:101 Resp: 1144888

Ion	Ratio	Lower	Upper
101	100		
151	74.8	58.2	87.4



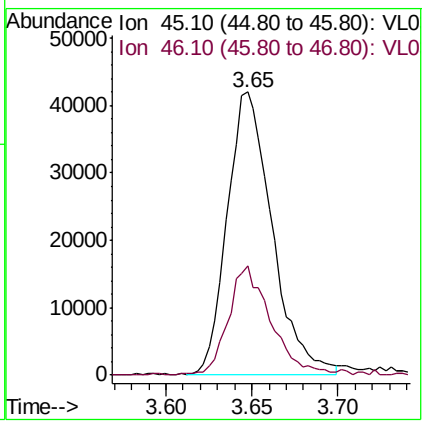


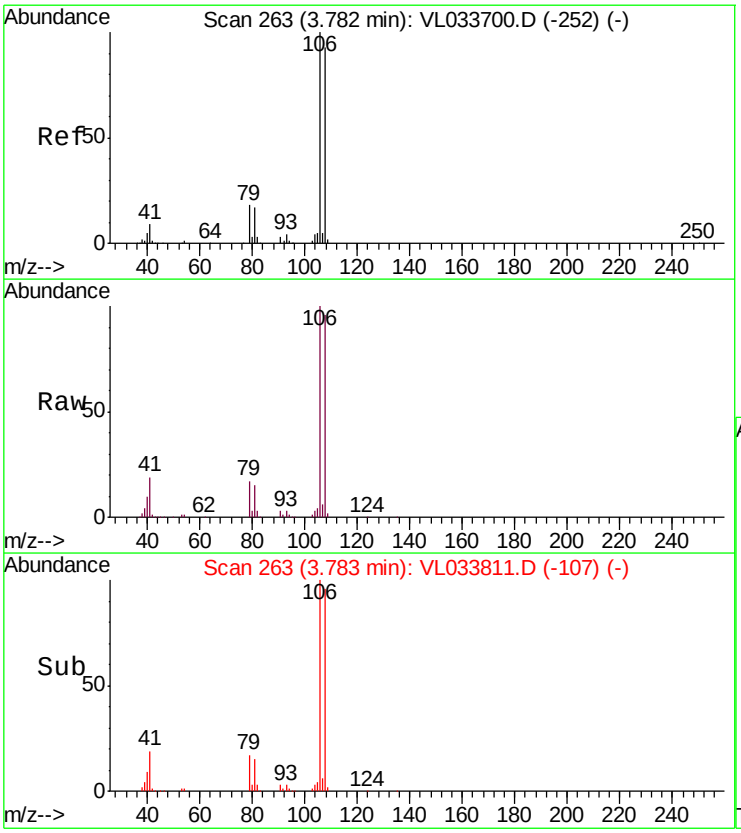
#13
Ethanol
Concen: 5.390 ppbv
RT: 3.65 min Scan# 221
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 45 Resp: 76796

Ion	Ratio	Lower	Upper
45	100		
46	37.4	14.8	59.0

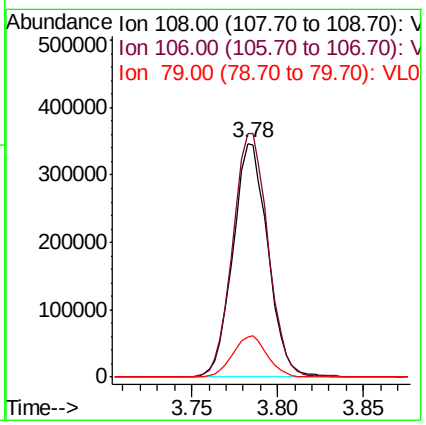


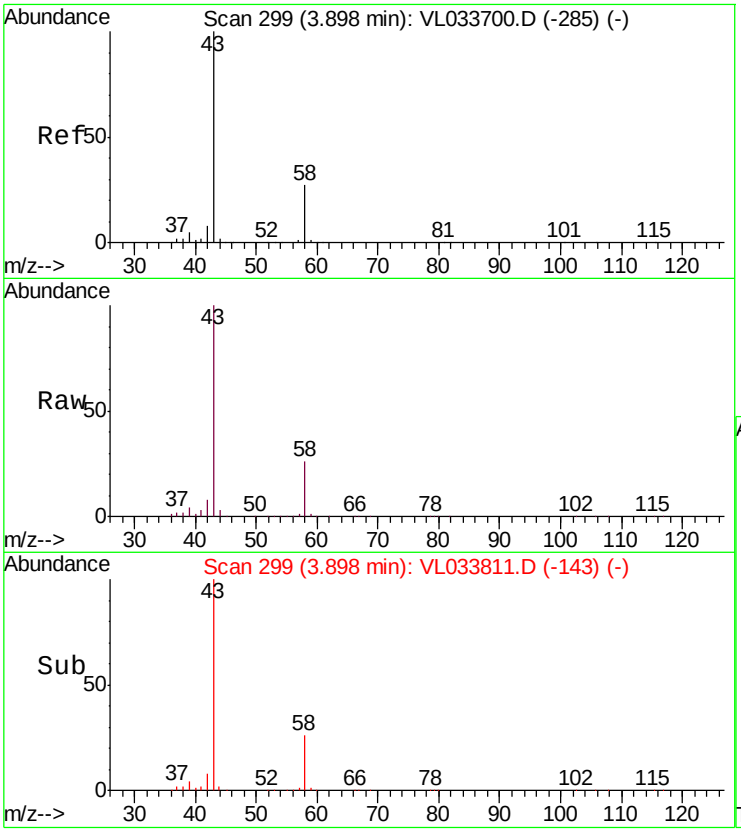


#14
Bromoethene
Concen: 10.460 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:108 Resp: 488698

Ion	Ratio	Lower	Upper
108	100		
106	106.1	86.5	129.7
79	17.6	15.1	22.7



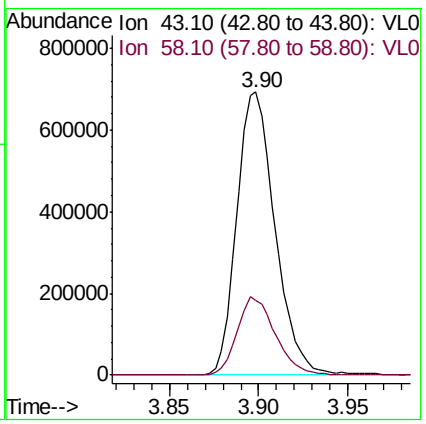


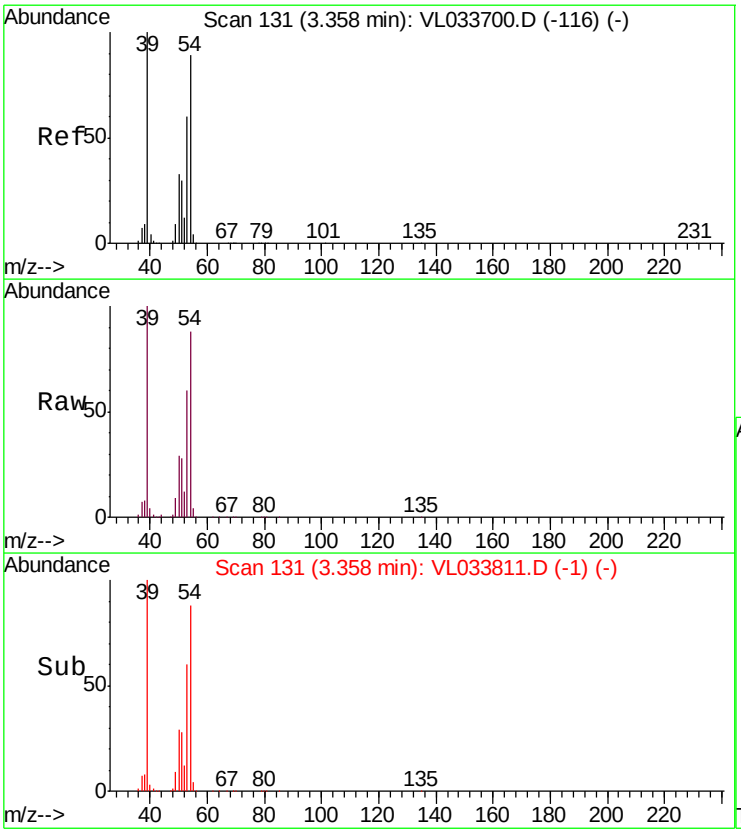
#15
Acetone
Concen: 8.262 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1037162

Ion	Ratio	Lower	Upper
43	100		
58	27.8	21.3	31.9

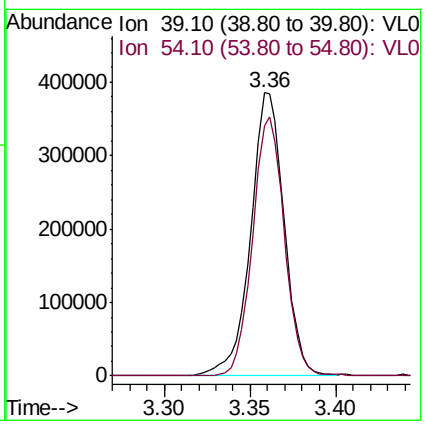


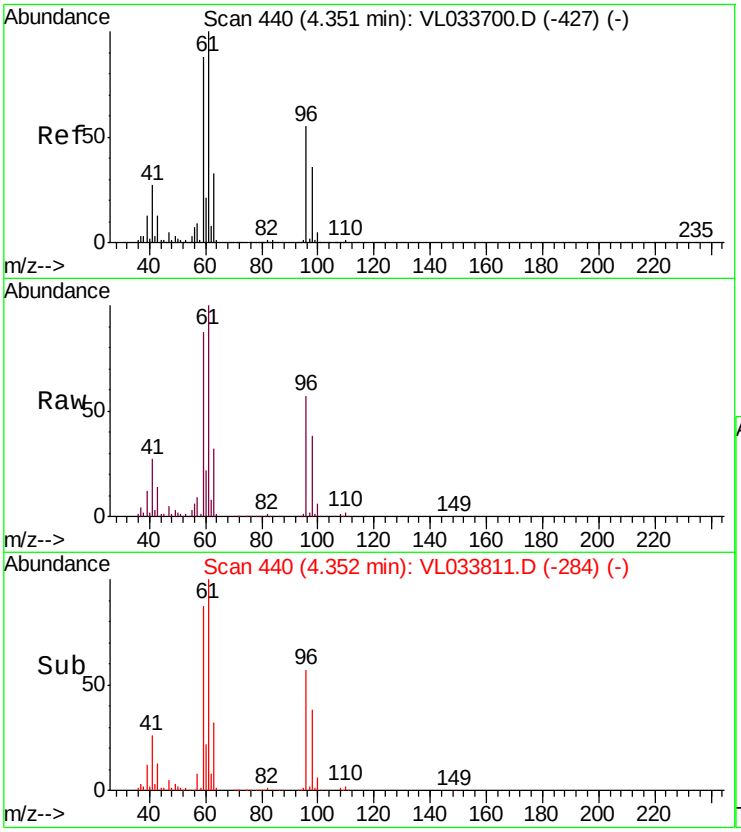


#16
1,3-Butadiene
Concen: 10.367 ppbv
RT: 3.36 min Scan# 131
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 39 Resp: 518258

Ion	Ratio	Lower	Upper
39	100		
54	87.5	69.0	103.6



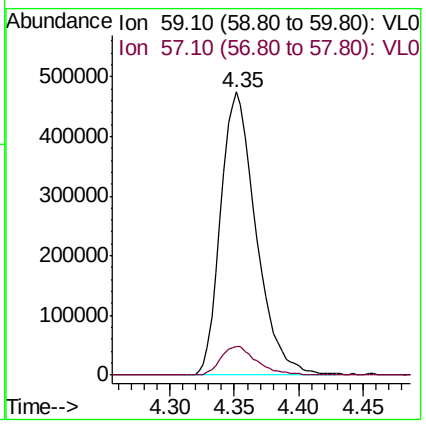


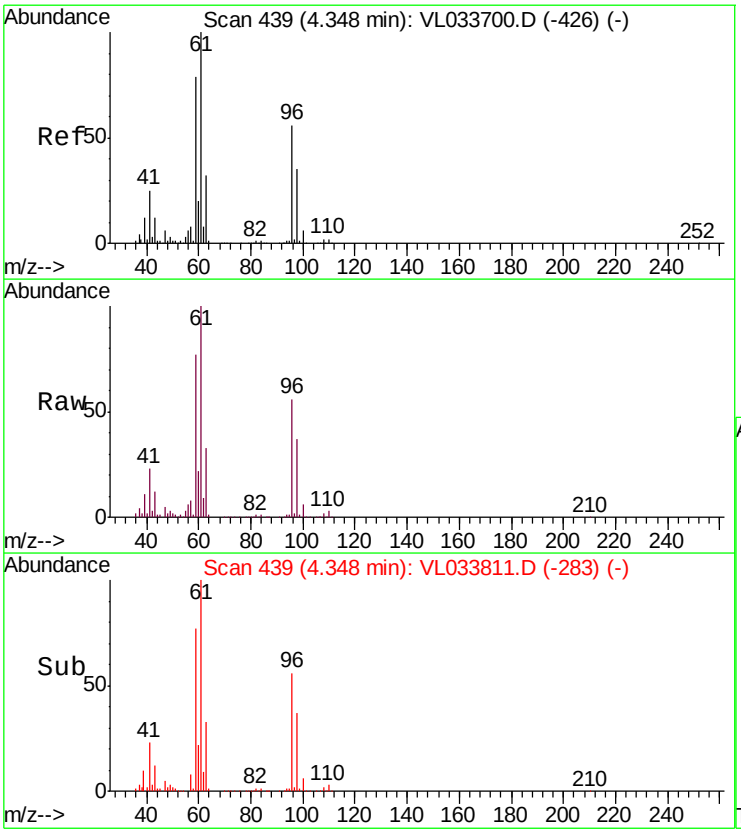
#17
tert-Butyl alcohol
Concen: 8.925 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 905964

Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

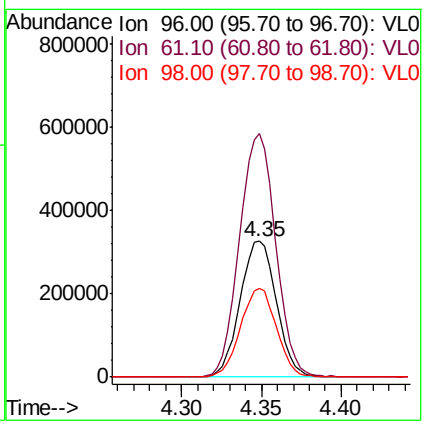


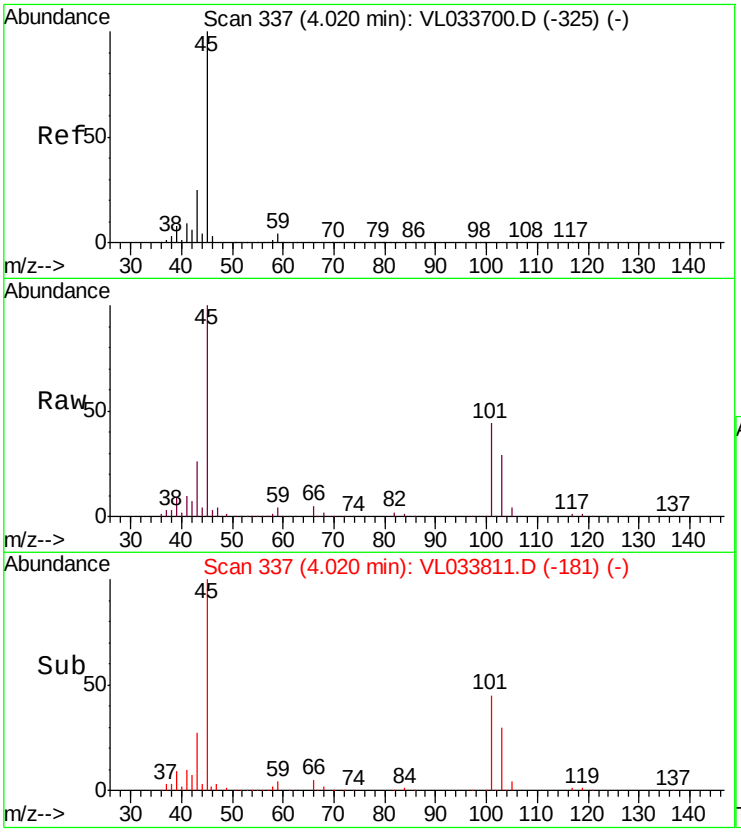


#18
1,1-Dichloroethene
Concen: 9.422 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 96 Resp: 505400

Ion	Ratio	Lower	Upper
96	100		
61	179.6	143.1	214.7
98	65.9	49.5	74.3



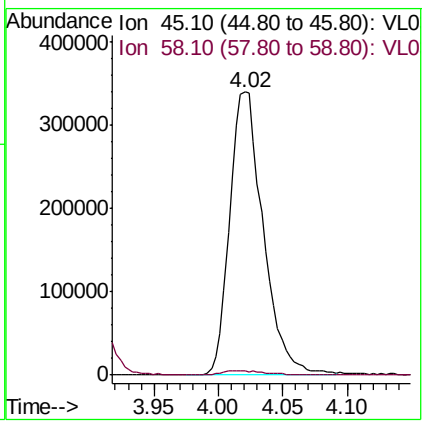


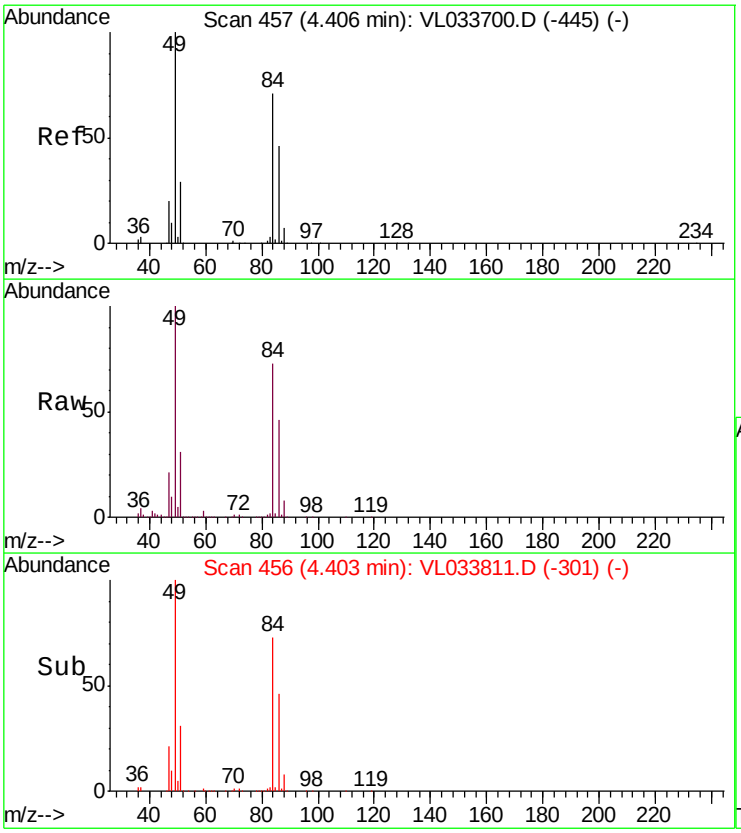
#19
Isopropyl Alcohol
Concen: 7.593 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 614599

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.6	2.4

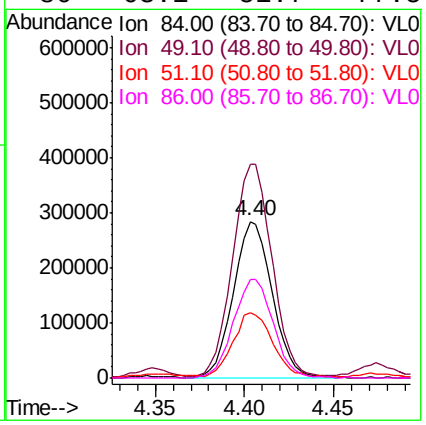


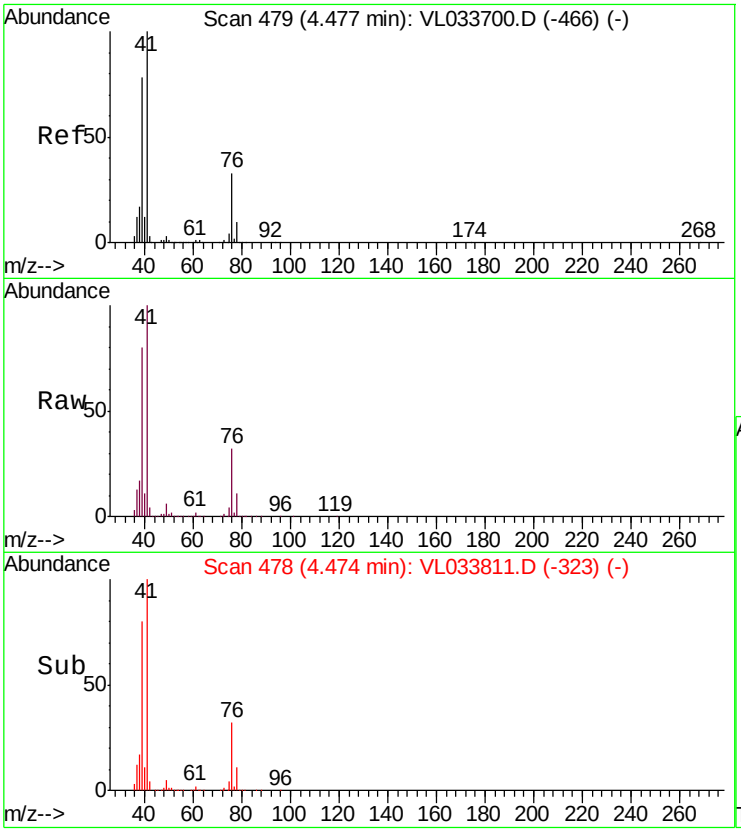


#20
Methylene Chloride
Concen: 8.850 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 84 Resp: 427745

Ion	Ratio	Lower	Upper
84	100		
49	135.9	112.8	169.2
51	41.1	33.4	50.0
86	63.1	51.7	77.5



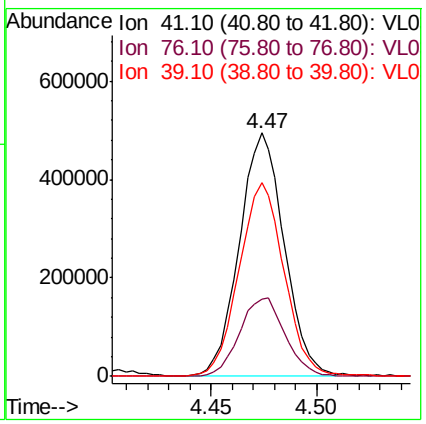


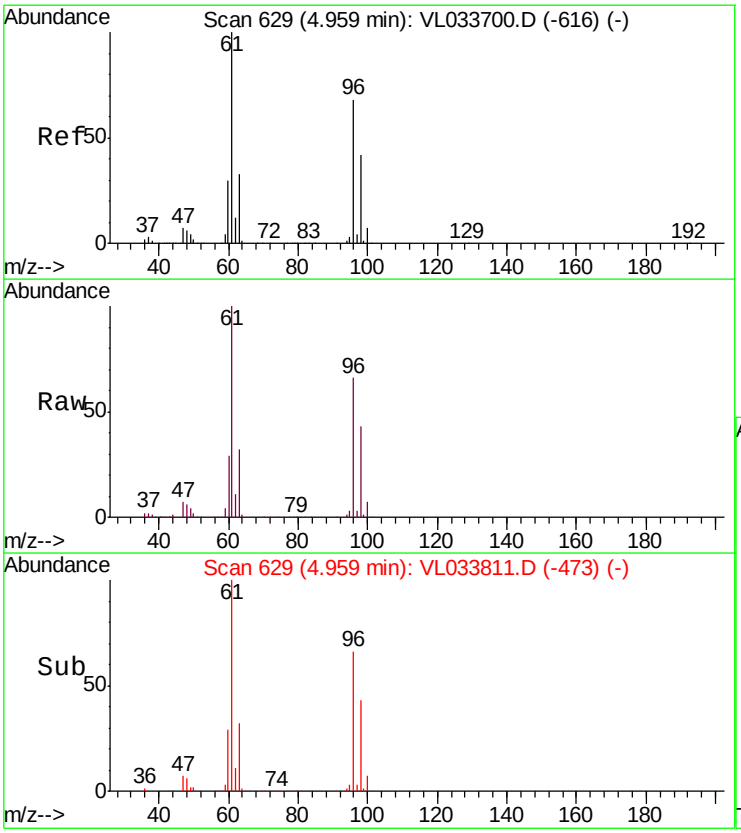
#21
Allyl Chloride
Concen: 9.286 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 41 Resp: 727066

Ion	Ratio	Lower	Upper
41	100		
76	33.2	25.9	38.9
39	80.7	64.6	97.0

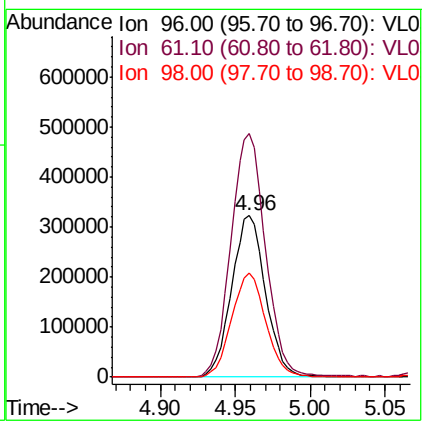


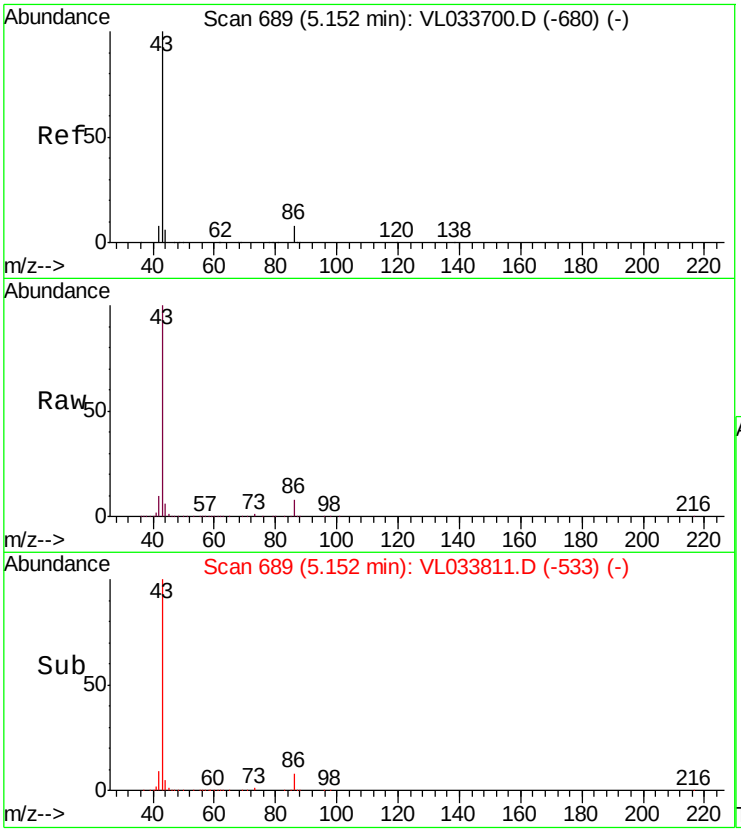


#22
trans-1,2-Dichloroethene
Concen: 9.271 ppbv
RT: 4.96 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 96 Resp: 509694

Ion	Ratio	Lower	Upper
96	100		
61	150.8	116.8	175.2
98	64.1	49.4	74.0



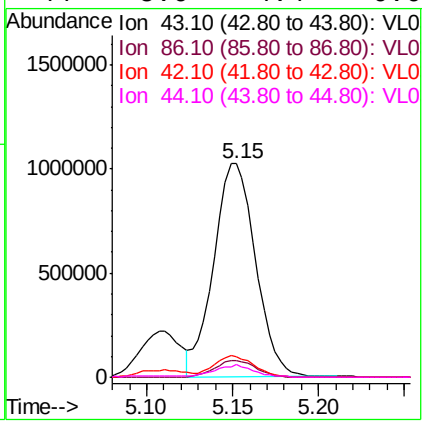


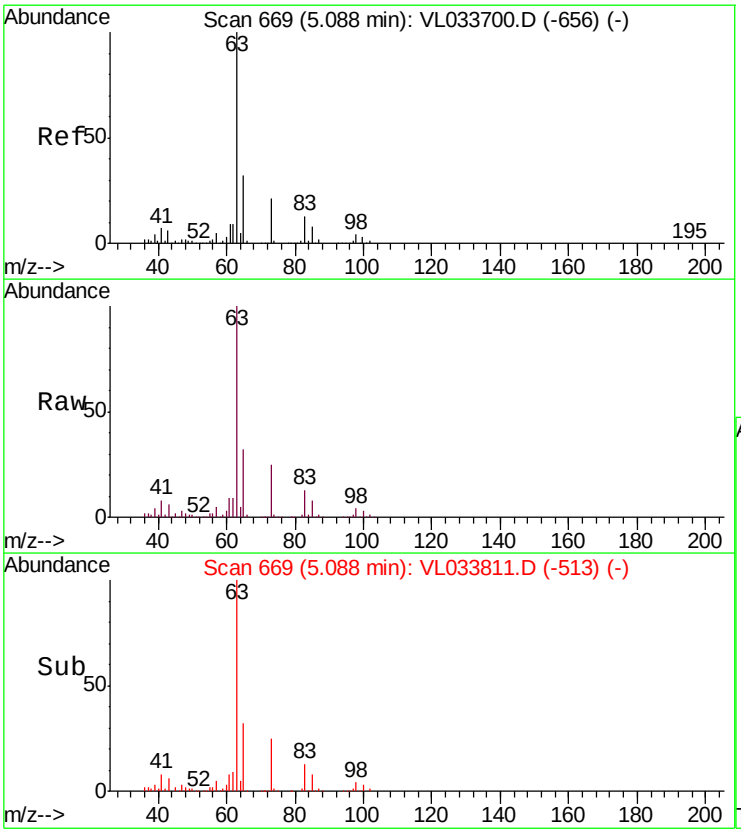
#23
Vinyl Acetate
Concen: 10.481 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1734669

Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.0	9.0
42	9.4	7.5	11.3
44	5.6	4.4	6.6

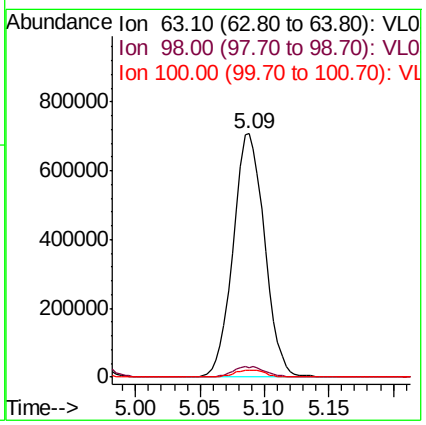


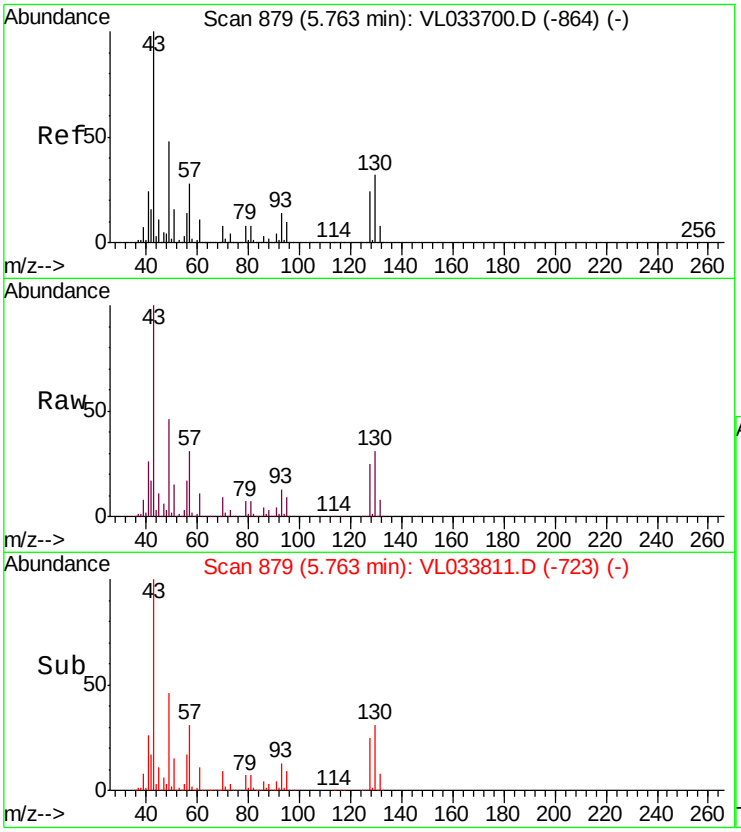


#24
1,1-Dichloroethane
Concen: 9.530 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 63 Resp: 1199053

Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.8	5.5
100	3.0	1.4	4.2



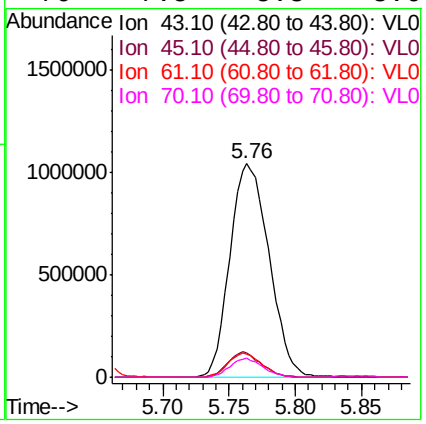


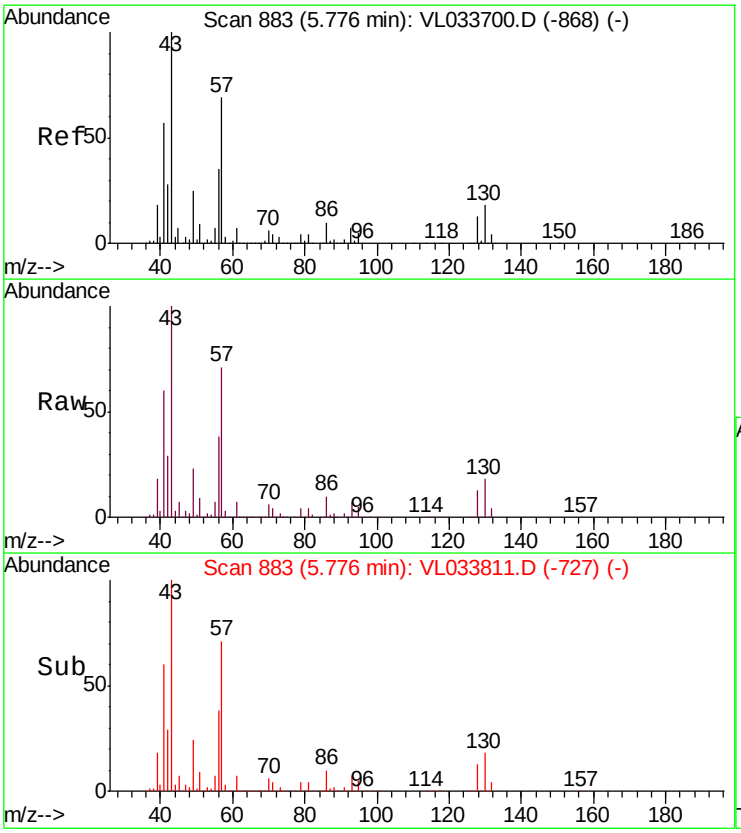
#25
Ethyl Acetate
Concen: 9.690 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 2136831

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	10.0	7.7	11.5
70	7.5	5.8	8.6

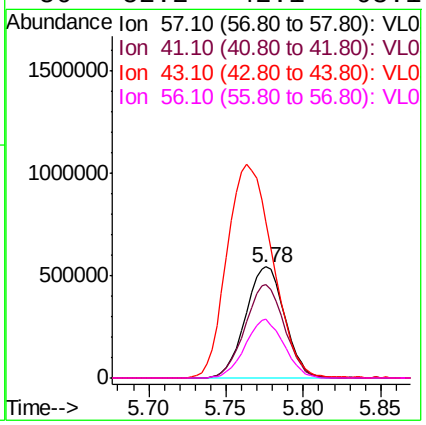


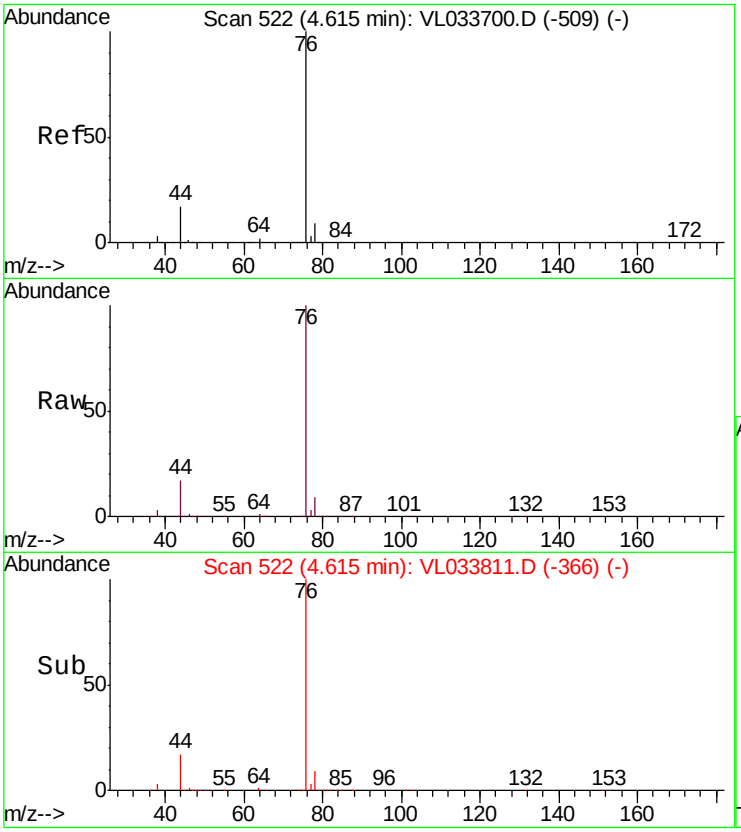


#26
Hexane
Concen: 10.108 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 57 Resp: 958202

Ion	Ratio	Lower	Upper
57	100		
41	85.1	69.8	104.6
43	224.4	181.8	272.6
56	52.2	42.1	63.1



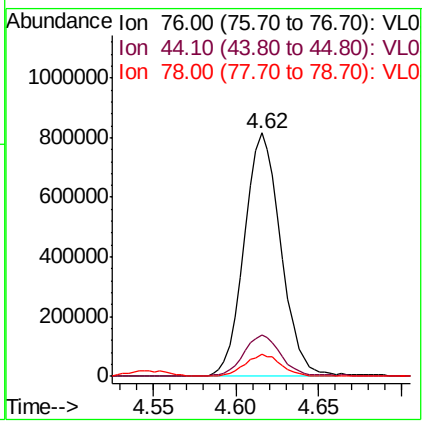


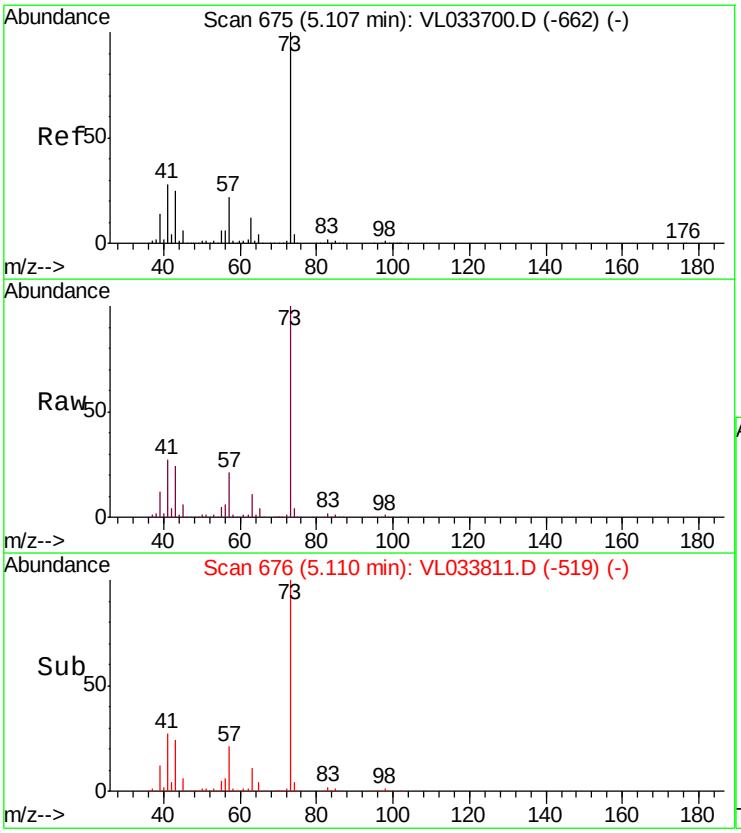
#27
Carbon Disulfide
Concen: 9.595 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1247921

Ion	Ratio	Lower	Upper
76	100		
44	16.7	13.8	20.8
78	9.2	7.4	11.0

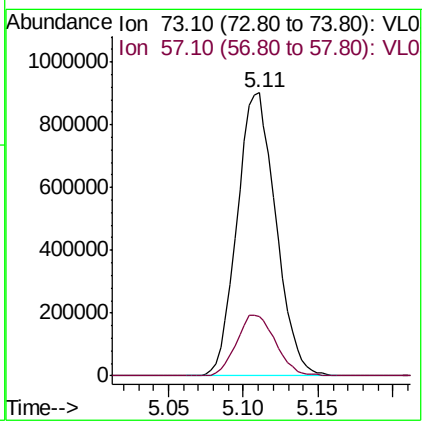


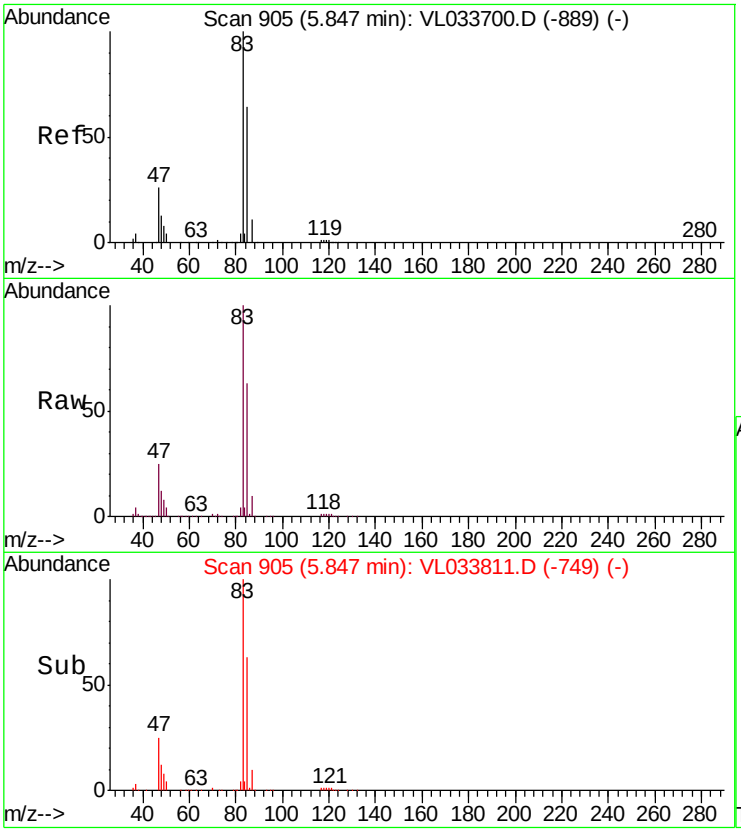


#28
Methyl tert-Butyl Ether
Concen: 10.524 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 73 Resp: 1626380

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.4	26.2



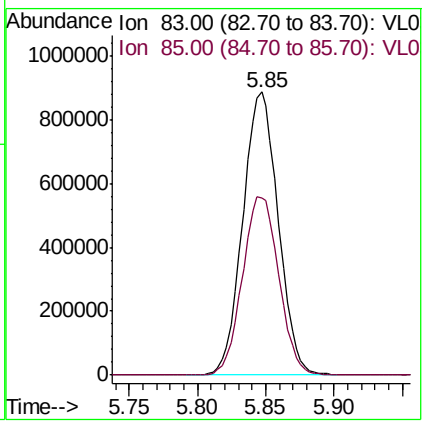


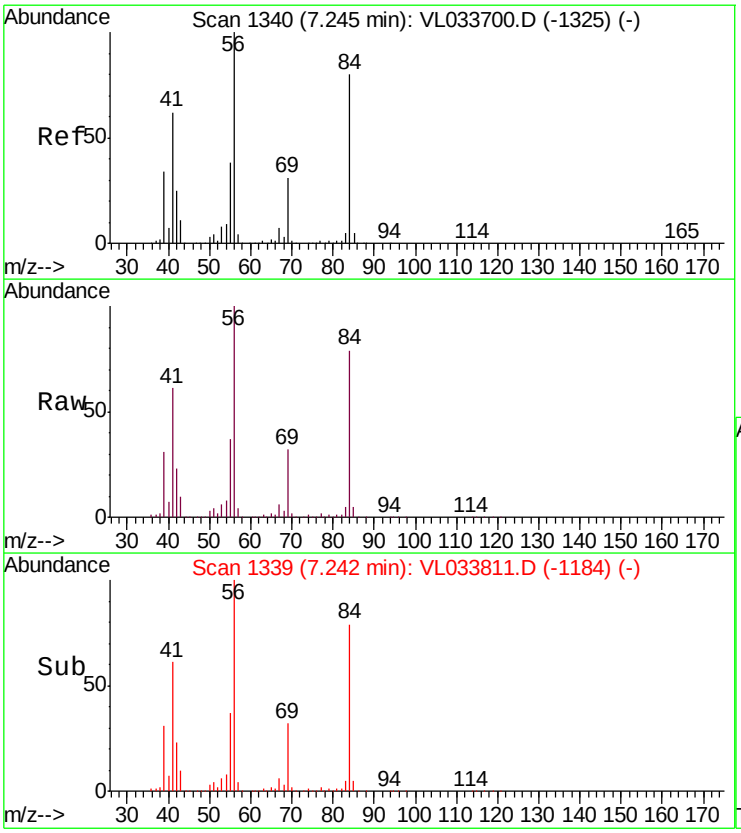
#29
Chloroform
Concen: 9.139 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1595844

Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.5	77.3

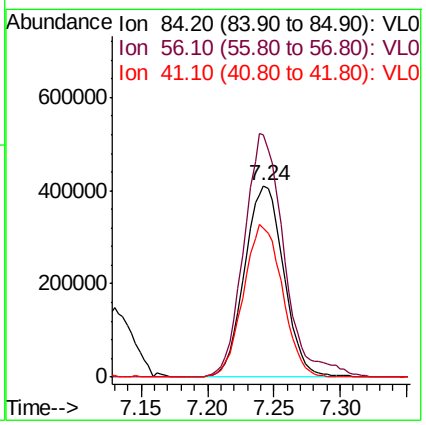


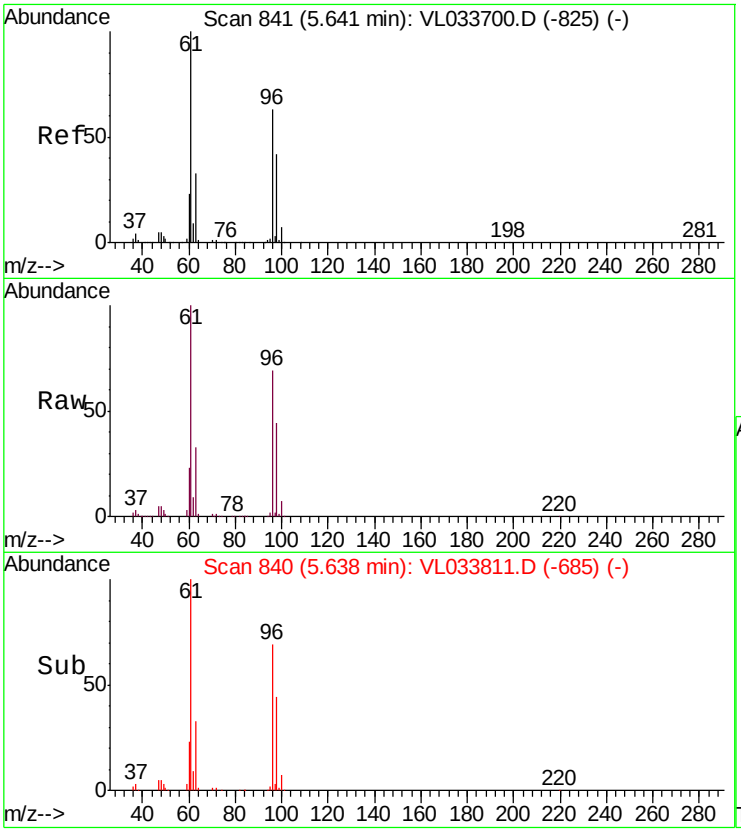


#30
Cyclohexane
Concen: 10.584 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 84 Resp: 843550

Ion	Ratio	Lower	Upper
84	100		
56	130.9	107.7	161.5
41	79.4	66.0	99.0



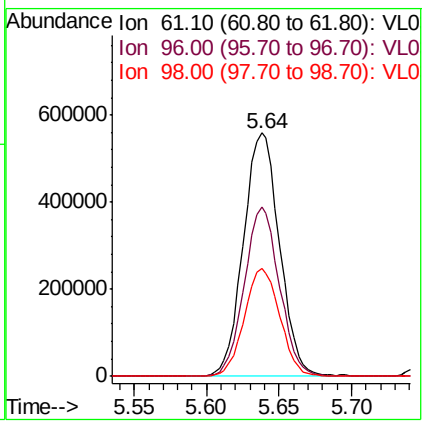


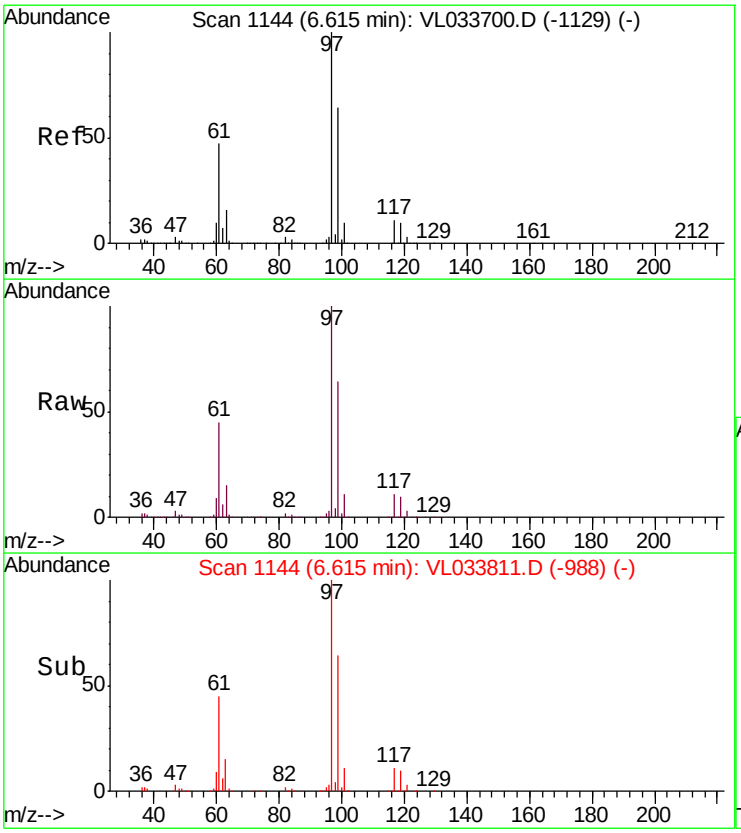
#31
cis-1,2-Dichloroethene
Concen: 10.315 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 969534

Ion	Ratio	Lower	Upper
61	100		
96	69.3	50.8	76.2
98	44.3	33.3	49.9

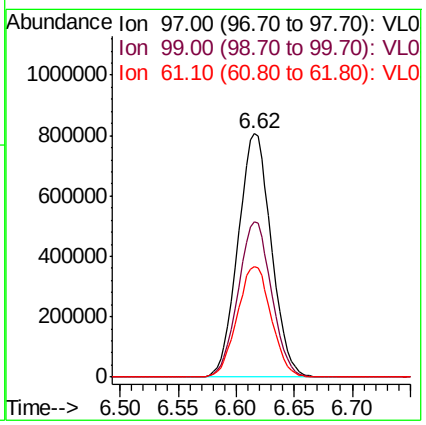


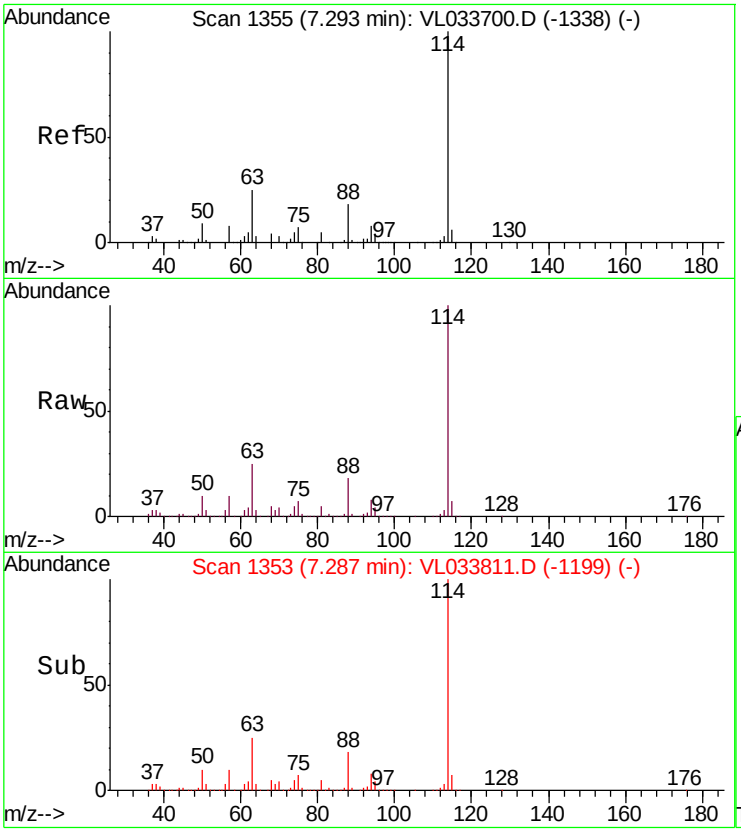


#32
1,1,1-Trichloroethane
Concen: 9.236 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 97 Resp: 1610363

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	46.4	37.8	56.8



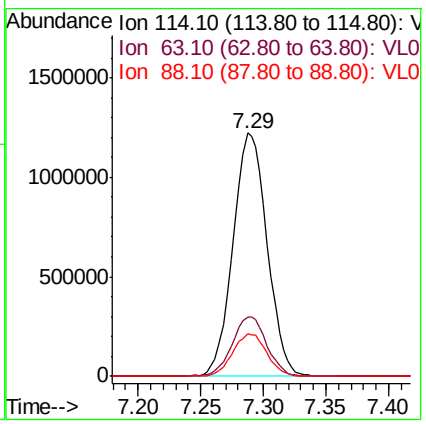


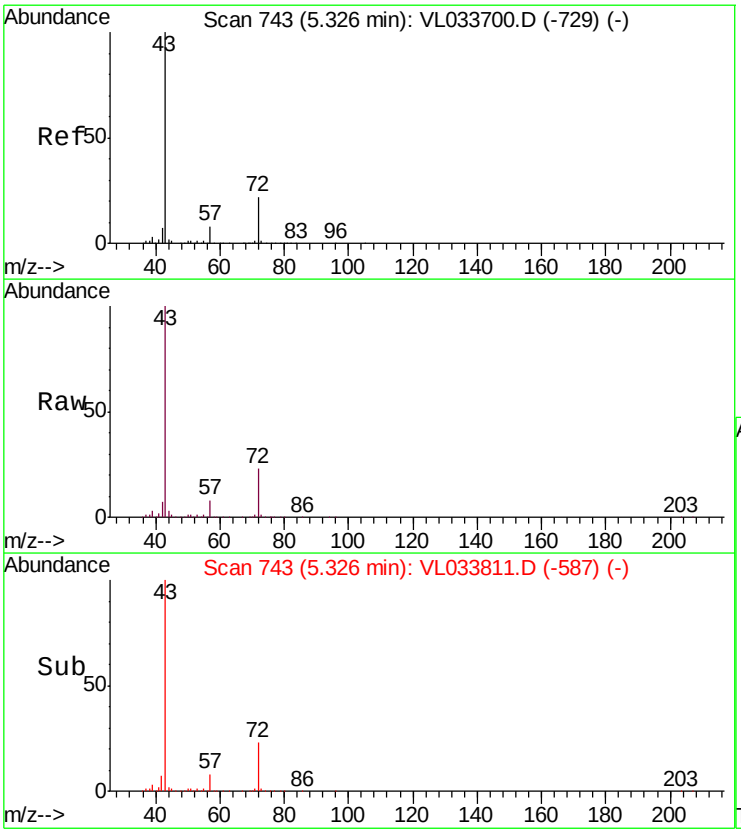
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:114 Resp: 2310899

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.9	31.3
88	17.5	14.3	21.5

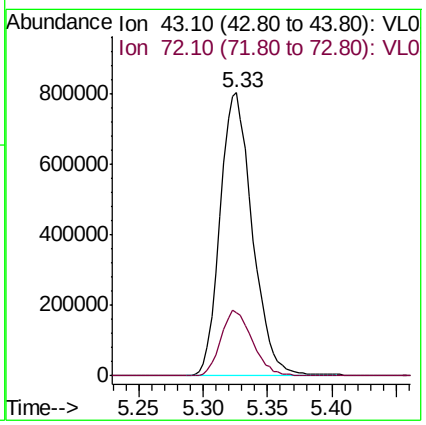


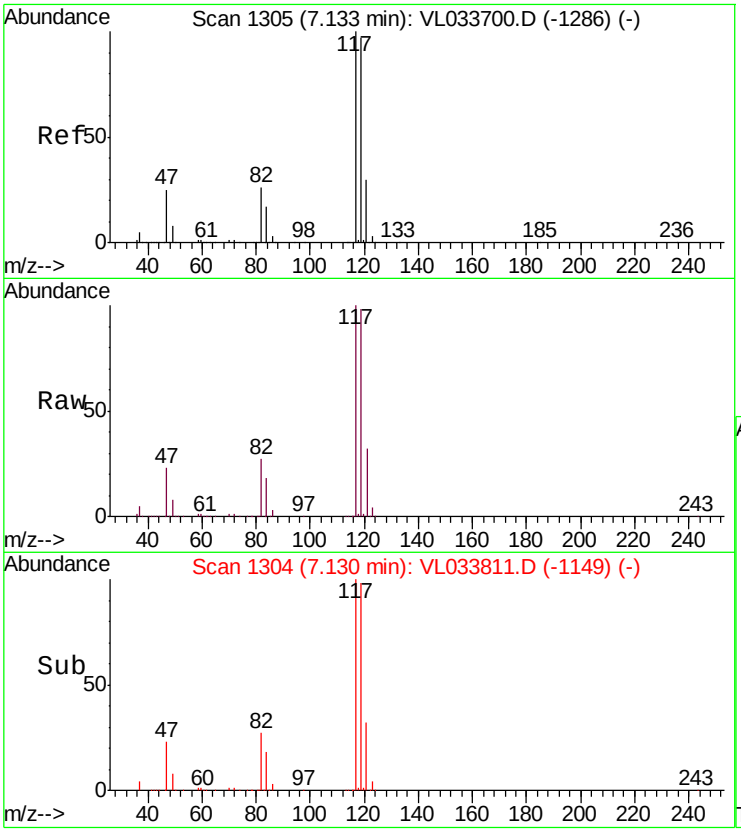


#34
2-Butanone
Concen: 9.721 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 43 Resp: 1392371

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6



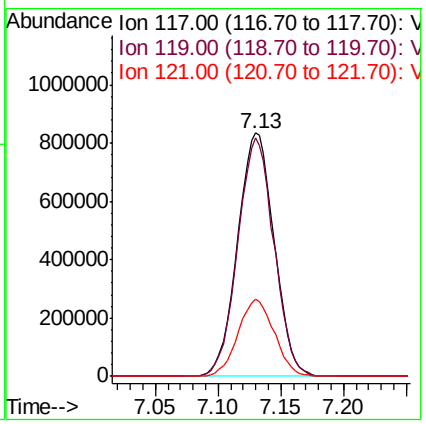


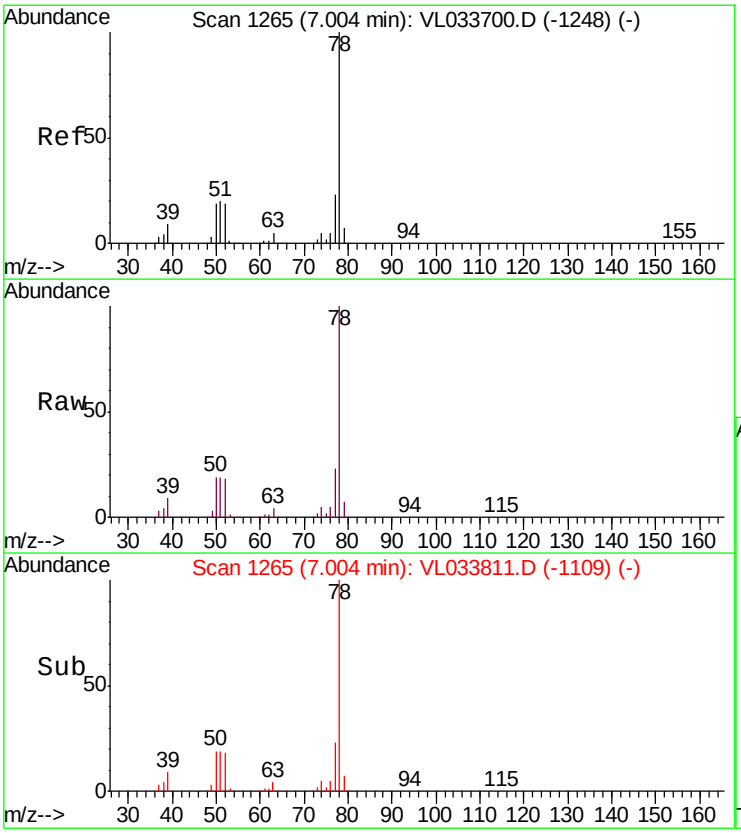
#35
Carbon Tetrachloride
Concen: 9.134 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 1690883

Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.2	115.8
121	32.0	24.1	36.1

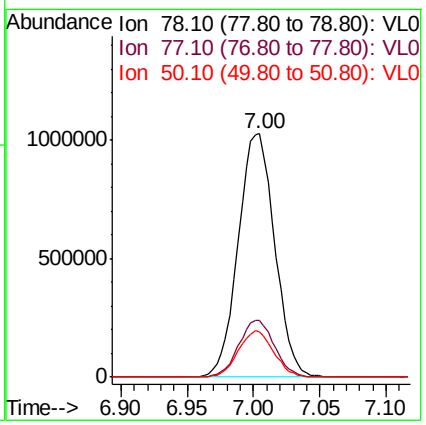


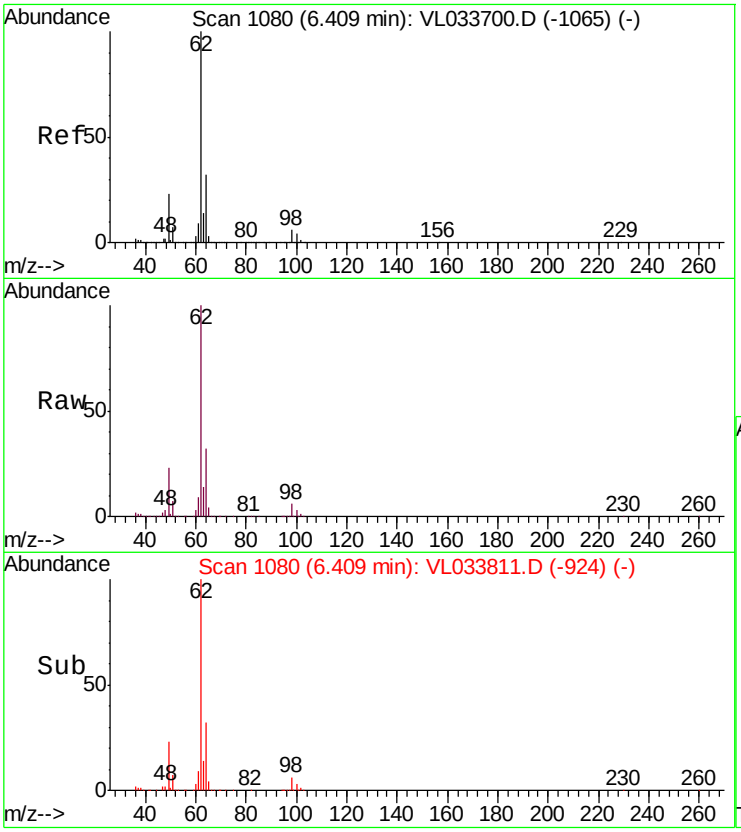


#36
Benzene
Concen: 9.342 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 78 Resp: 1963808

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.4	27.6
50	18.8	15.5	23.3



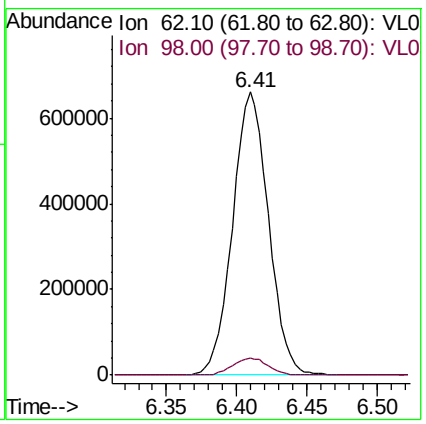


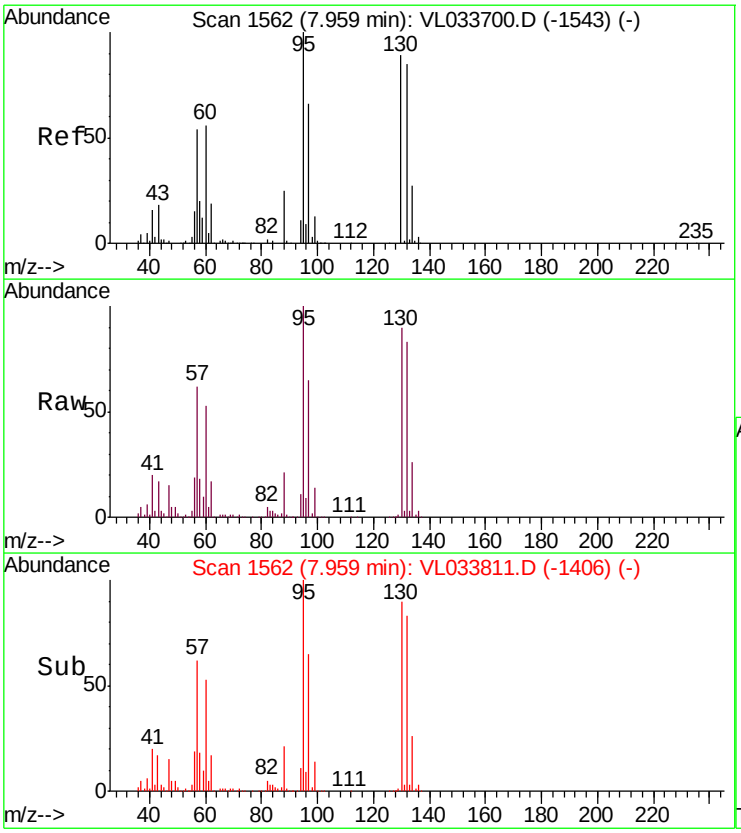
#37
1,2-Dichloroethane
Concen: 8.656 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1173771

Ion	Ratio	Lower	Upper
62	100		
98	6.1	4.5	6.7

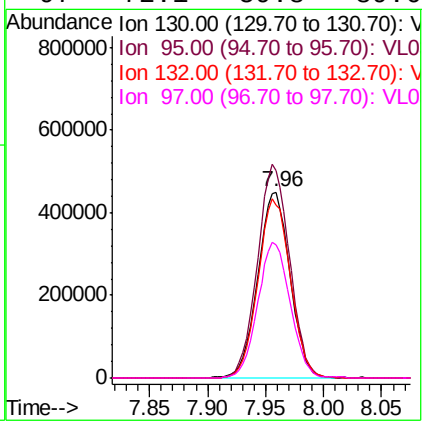


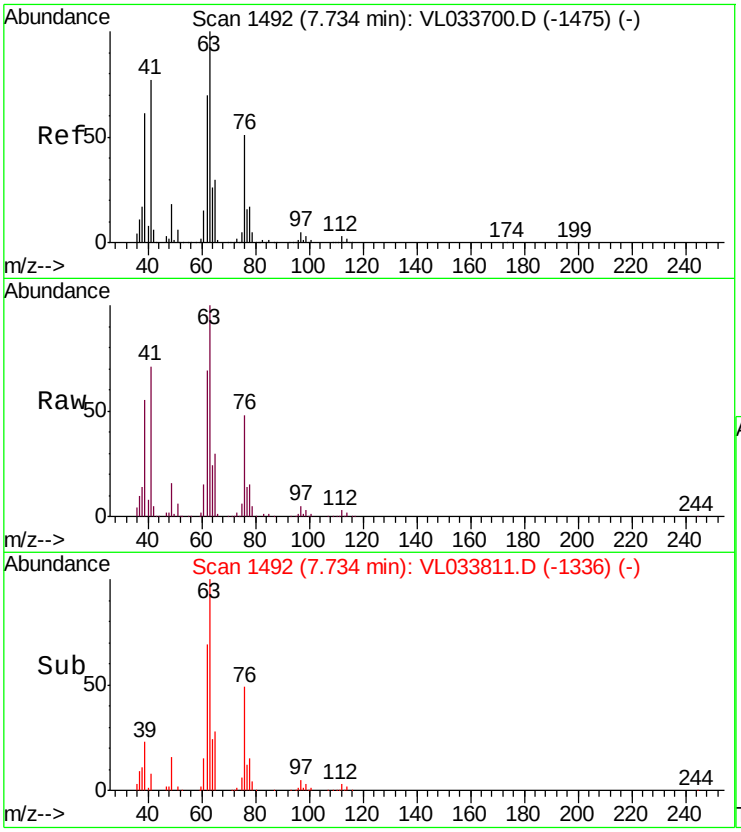


#38
Trichloroethene
Concen: 11.161 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:130 Resp: 870592

Ion	Ratio	Lower	Upper
130	100		
95	111.5	90.2	135.4
132	93.1	76.4	114.6
97	72.1	59.8	89.6



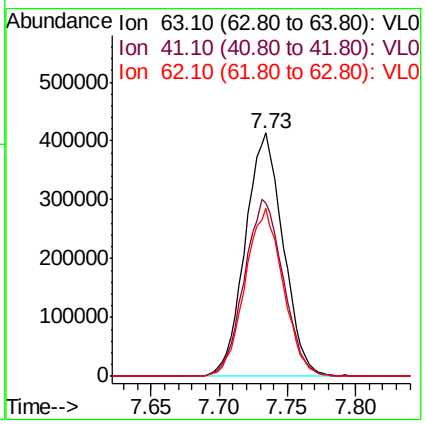


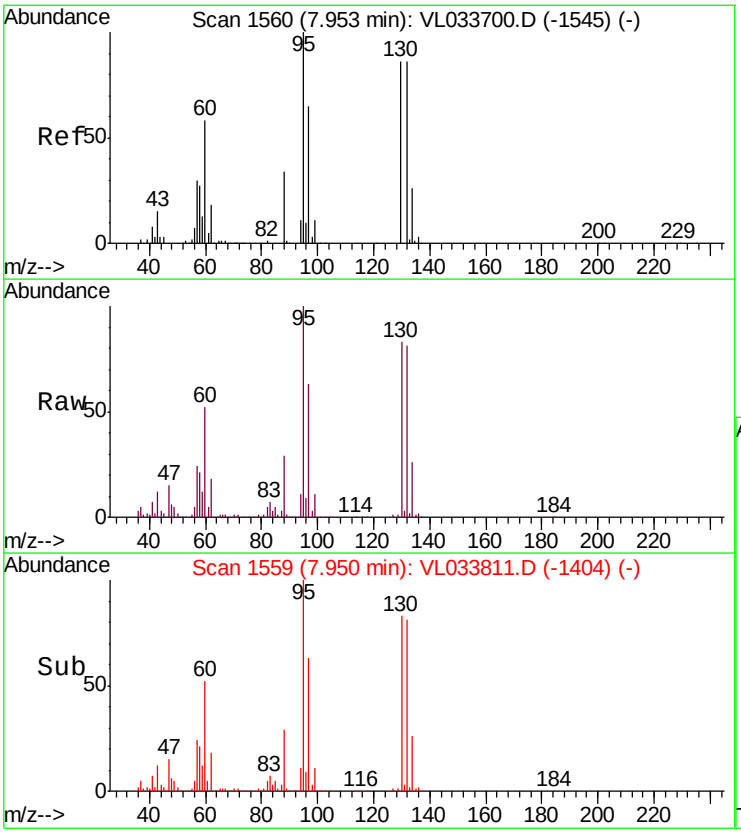
#39
1,2-Dichloropropane
Concen: 10.209 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 63 Resp: 800095

Ion	Ratio	Lower	Upper
63	100		
41	71.2	61.5	92.3
62	69.1	56.2	84.4

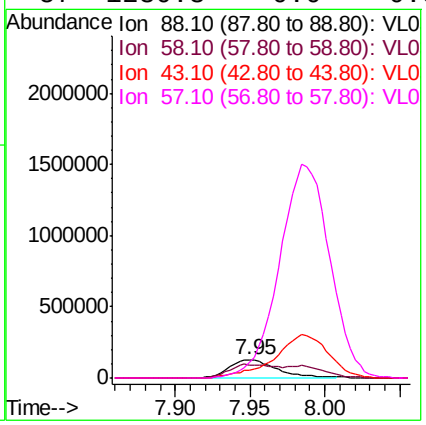


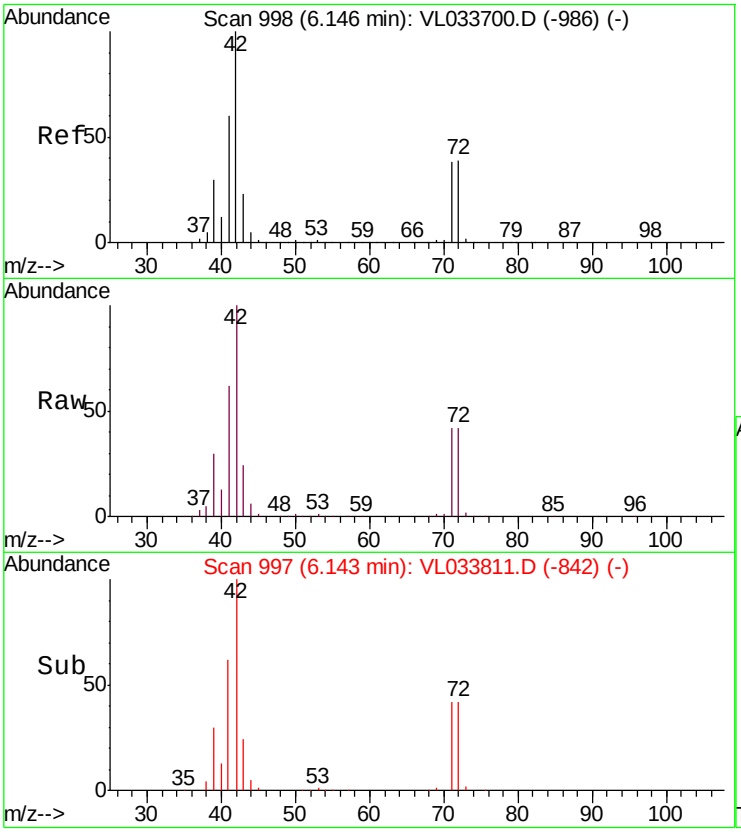


#40
1,4-Dioxane
Concen: 8.740 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 88 Resp: 286553

Ion	Ratio	Lower	Upper
88	100		
58	128.5	101.8	152.6
43	266.4	0.0	0.0#
57	1230.3	0.0	0.0#



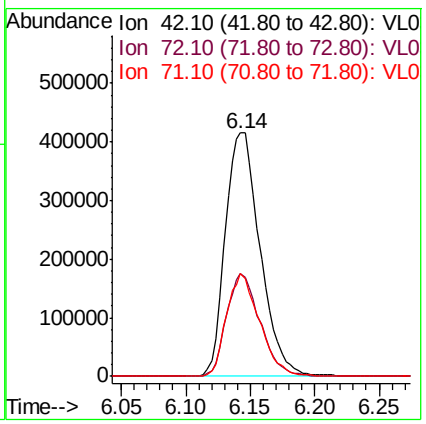


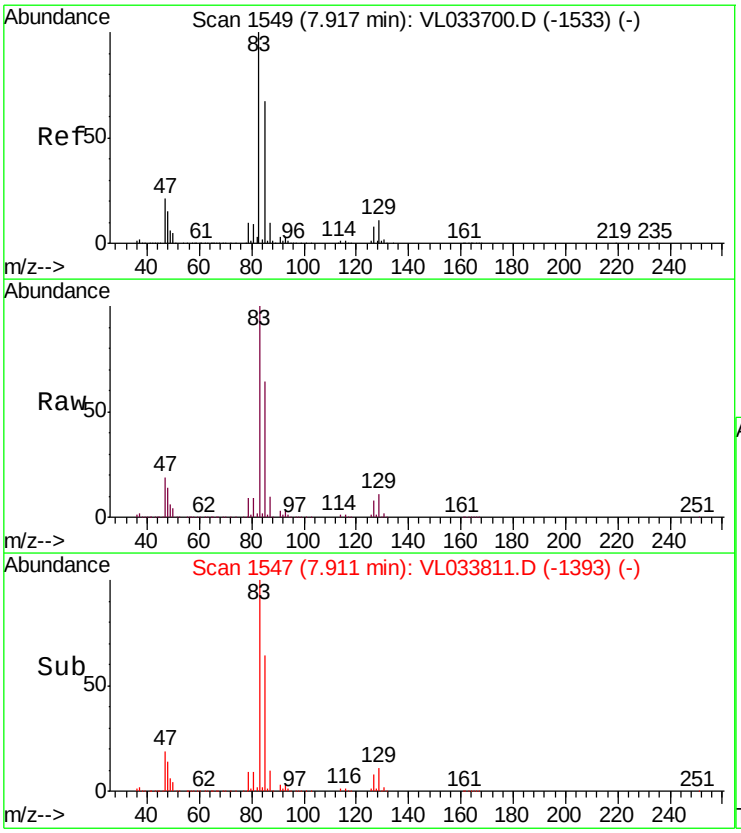
#41
Tetrahydrofuran
Concen: 9.720 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 42 Resp: 780057

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.0	48.0
71	40.0	30.4	45.6

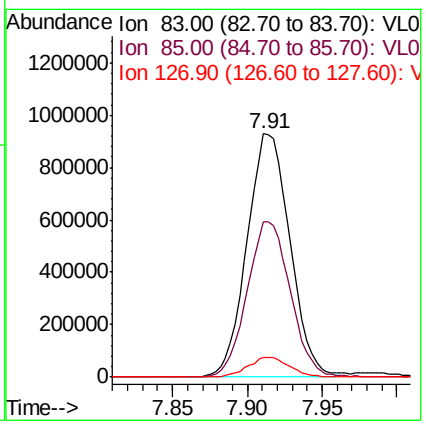


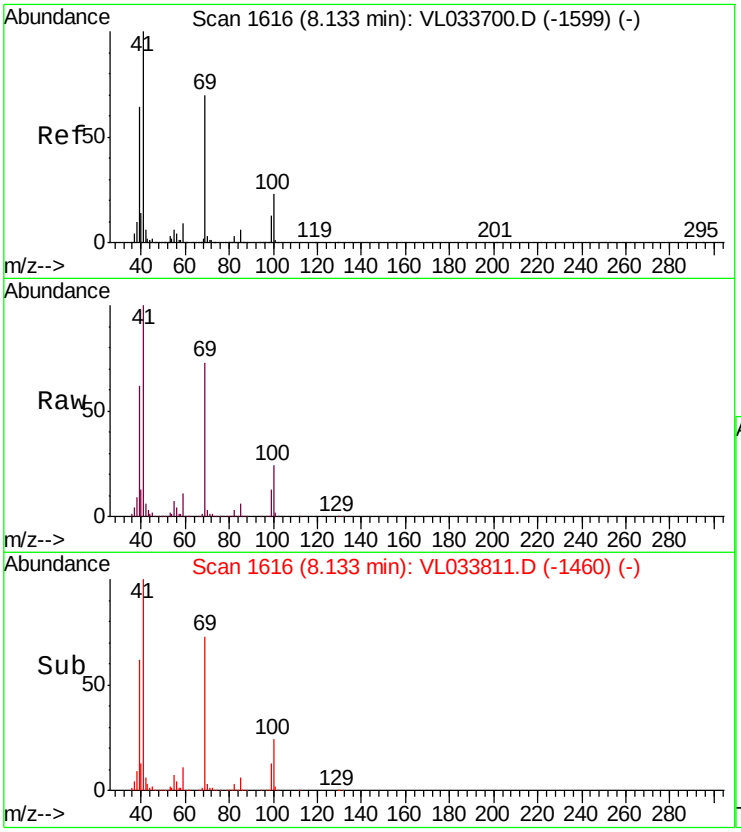


#42
Bromodichloromethane
Concen: 9.997 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 83 Resp: 1855935

Ion	Ratio	Lower	Upper
83	100		
85	63.6	53.3	79.9
127	8.2	6.5	9.7



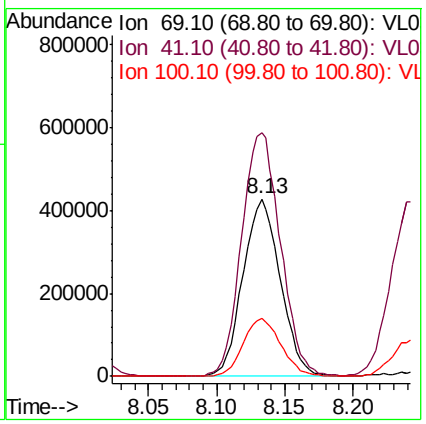


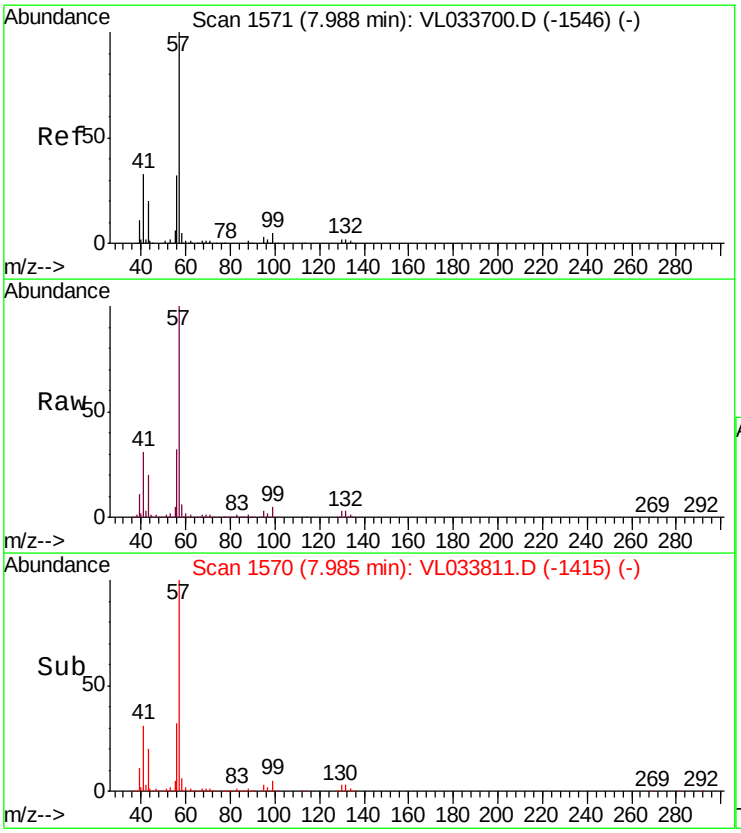
#43
Methyl Methacrylate
Concen: 10.534 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 69 Resp: 814945

Ion	Ratio	Lower	Upper
69	100		
41	142.3	116.3	174.5
100	32.7	25.3	37.9

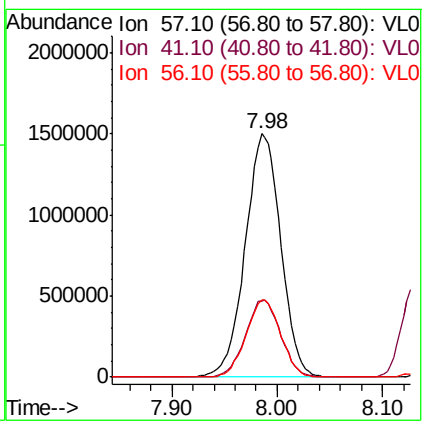


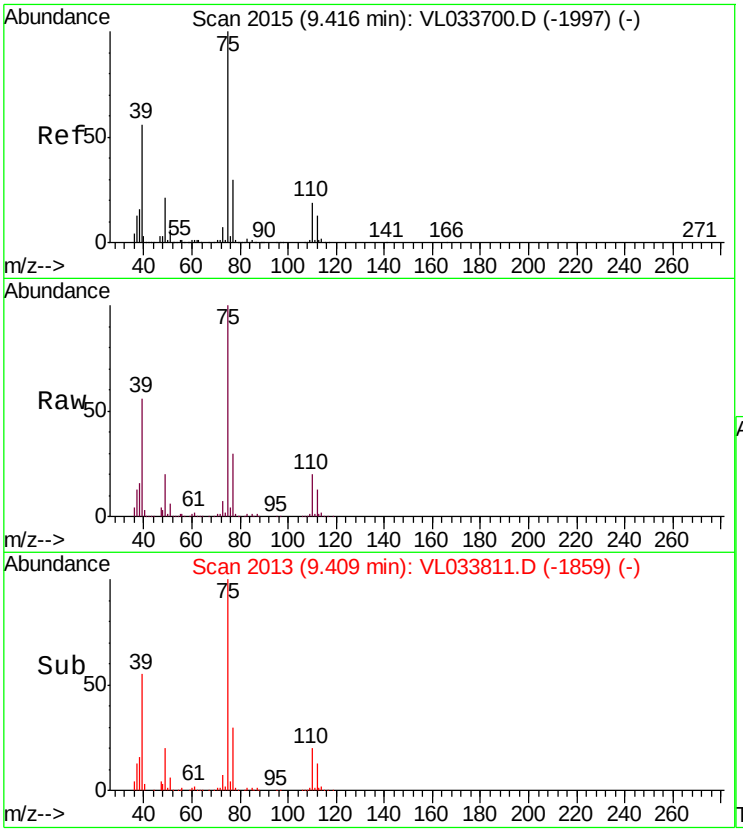


#44
2,2,4-Trimethylpentane
Concen: 9.907 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 57 Resp: 3519778

Ion	Ratio	Lower	Upper
57	100		
41	31.3	25.4	38.0
56	30.9	24.7	37.1



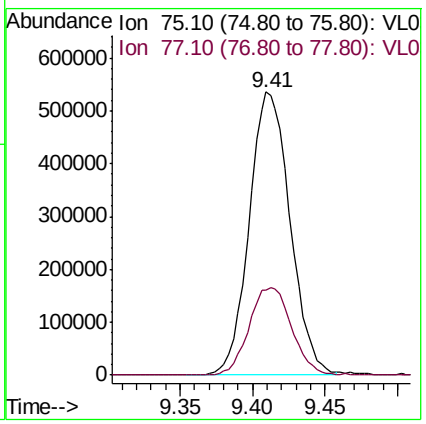


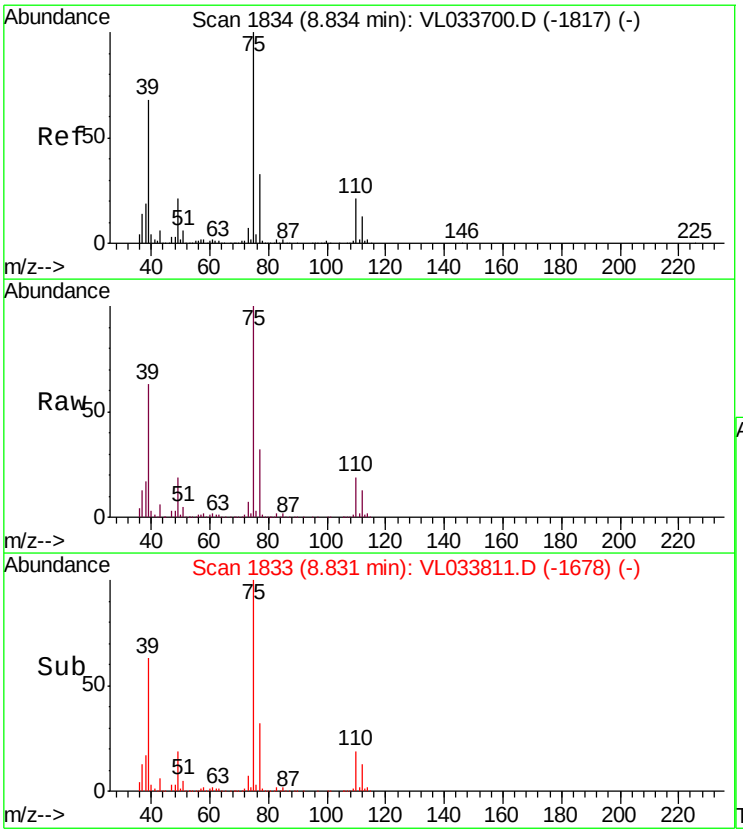
#45
t-1,3-Dichloropropene
Concen: 10.708 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1050164

Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.4	36.6

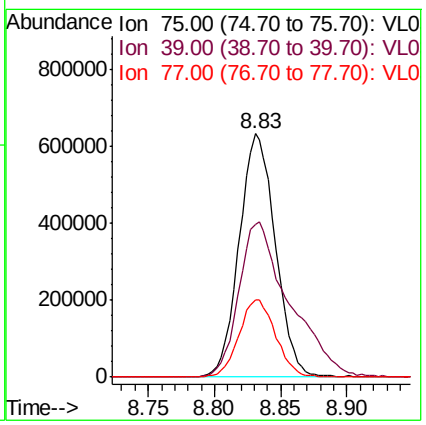


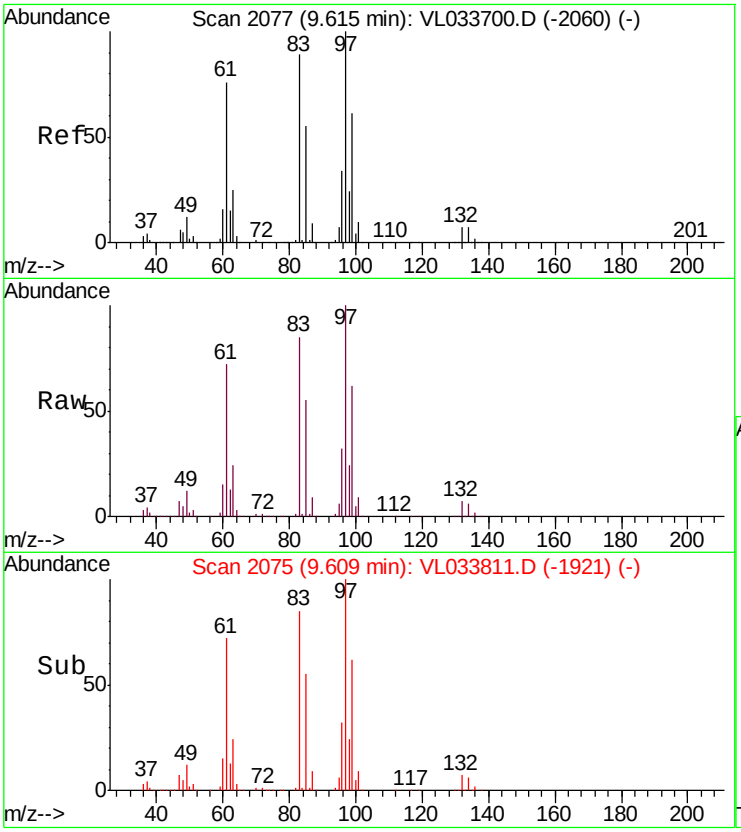


#46
cis-1,3-Dichloropropene
Concen: 10.442 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 75 Resp: 1199169

Ion	Ratio	Lower	Upper
75	100		
39	62.9	54.4	81.6
77	31.8	26.6	39.8



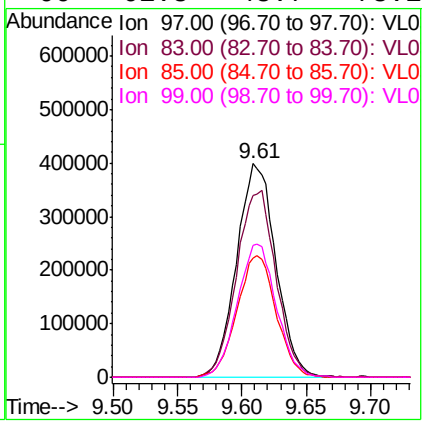


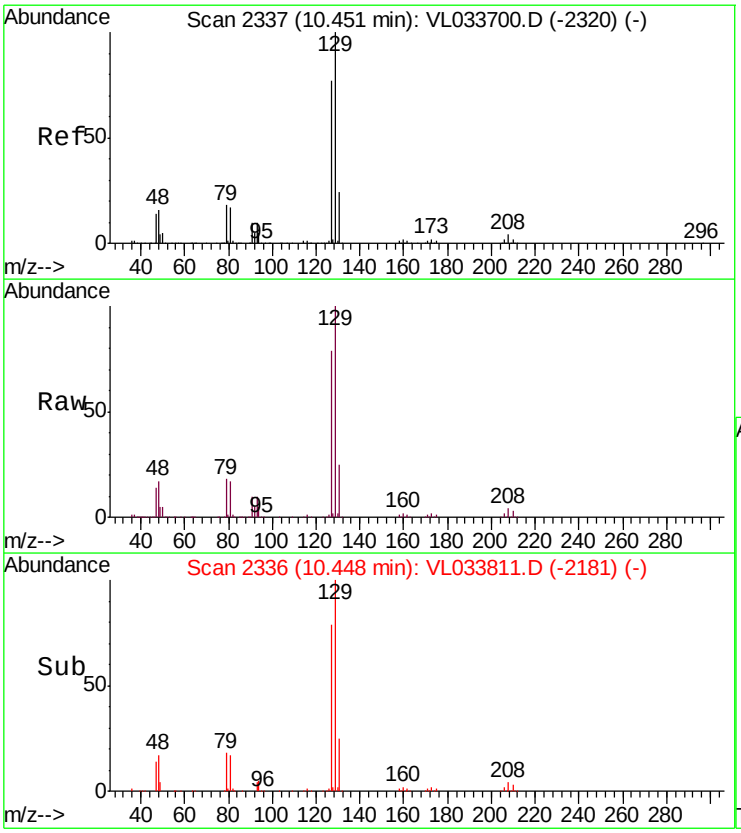
#47
1,1,2-Trichloroethane
Concen: 9.489 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 97 Resp: 844803

Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.8	106.2
85	55.3	43.7	65.5
99	61.8	48.7	73.1

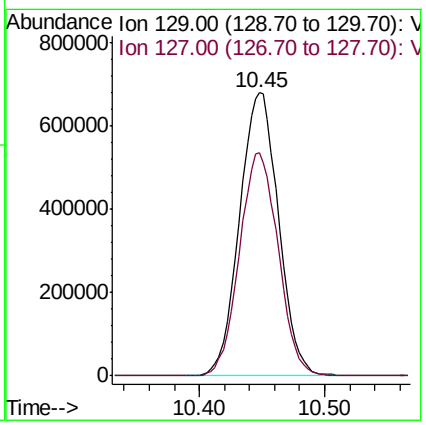


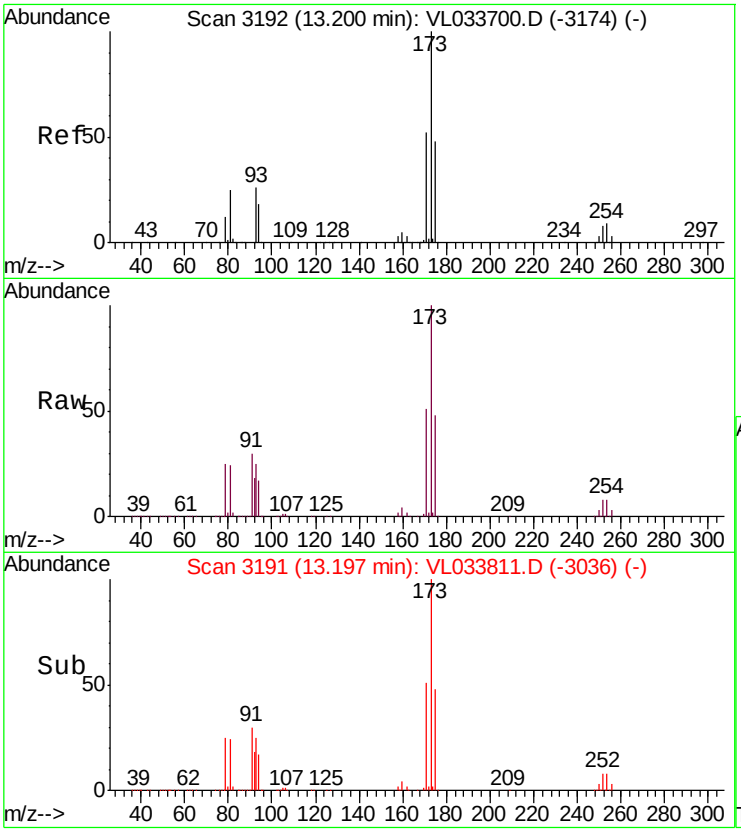


#48
Dibromochloromethane
Concen: 9.520 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:129 Resp: 1468700

Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	116.0



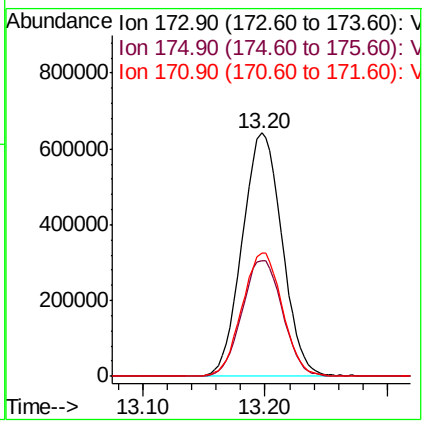


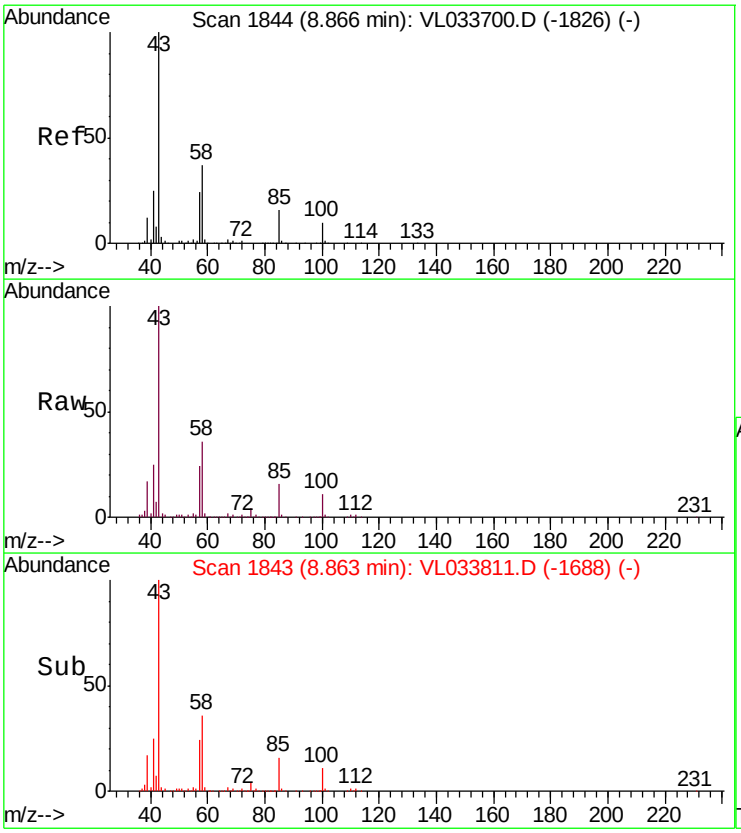
#49
Bromoform
Concen: 11.172 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:173 Resp: 1450167

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.6	58.0
171	51.2	41.5	62.3

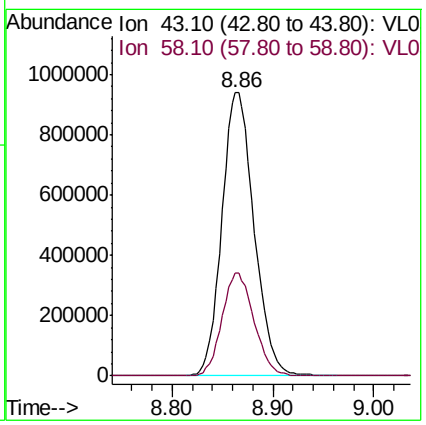


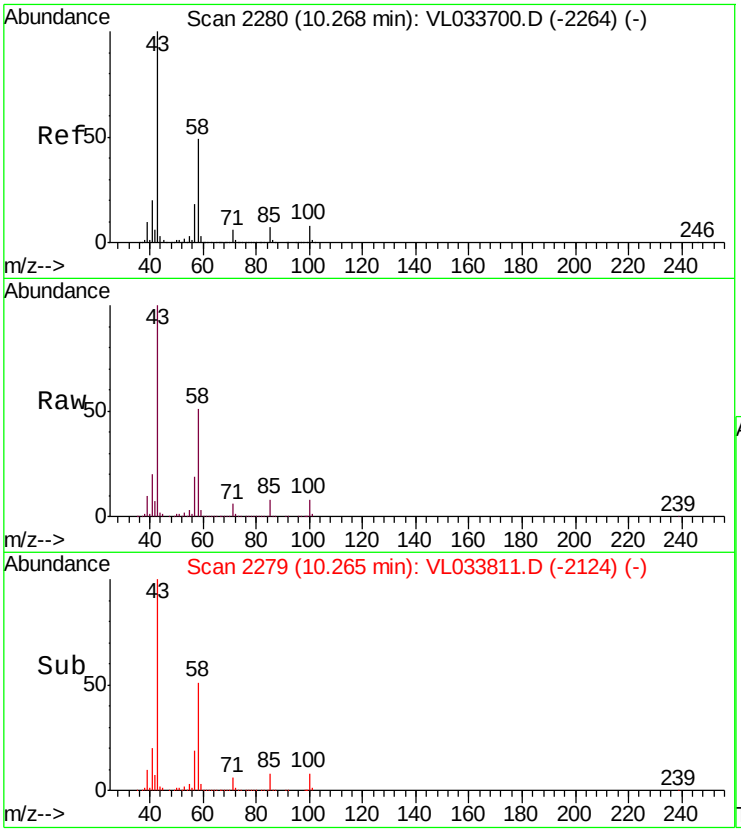


#50
4-Methyl-2-Pentanone
Concen: 9.474 ppbv
RT: 8.86 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 43 Resp: 2087434

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.6	43.0



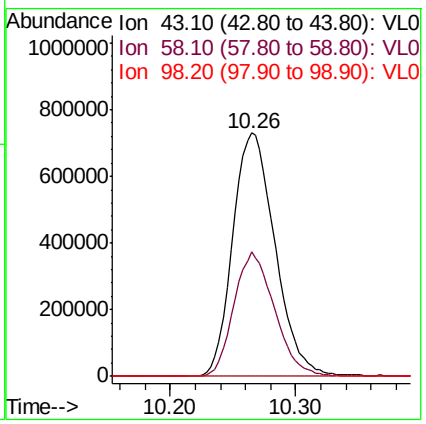


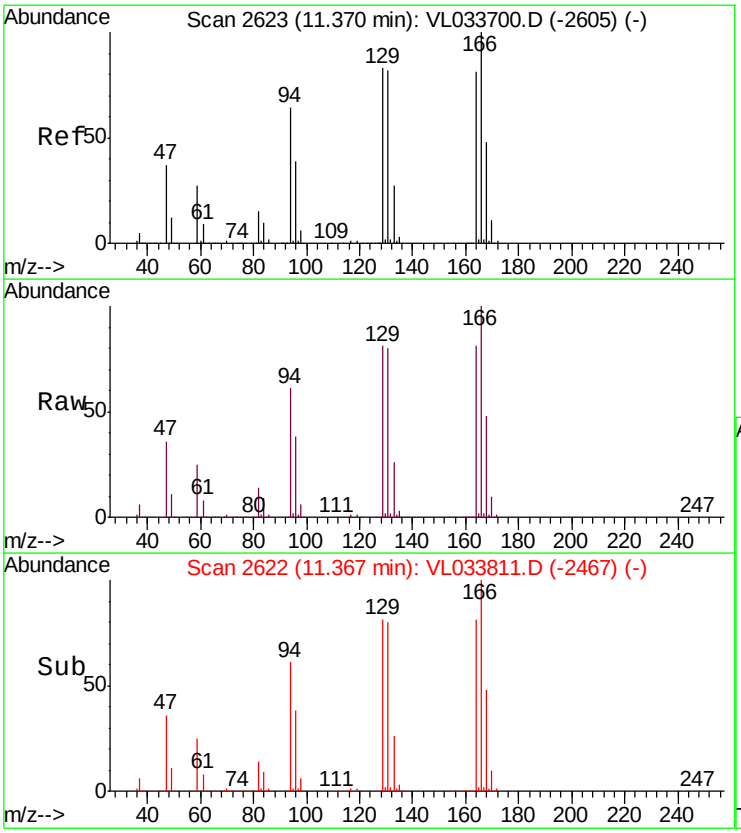
#51
2-Hexanone
Concen: 9.924 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 43 Resp: 1706474

Ion	Ratio	Lower	Upper
43	100		
58	49.1	38.7	58.1
98	0.2	0.2	0.4

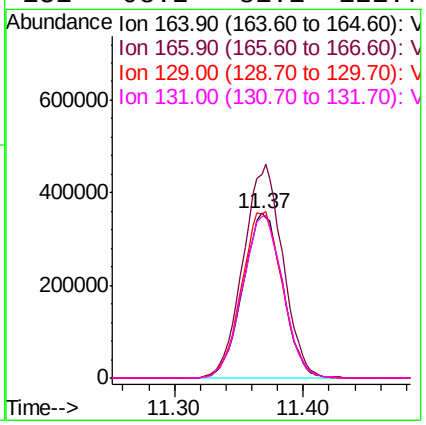


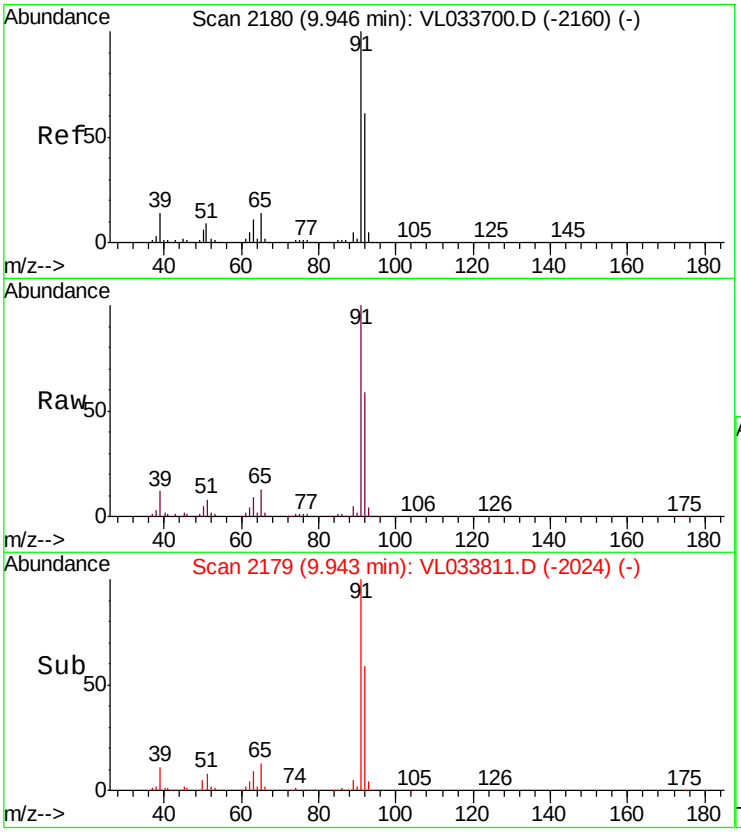


#52
Tetrachloroethene
Concen: 10.326 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:164 Resp: 763022

Ion	Ratio	Lower	Upper
164	100		
166	123.4	98.9	148.3
129	100.0	81.8	122.6
131	98.2	81.1	121.7



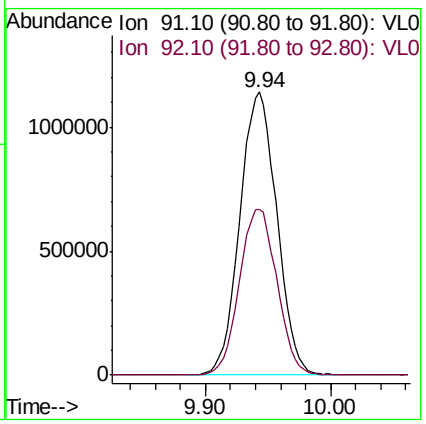


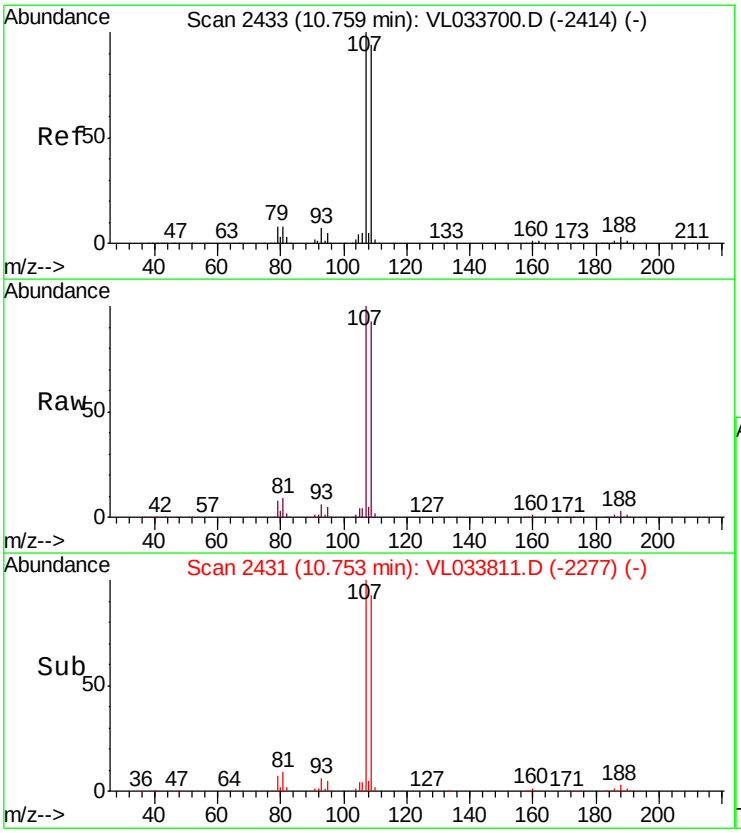
#53
Toluene
Concen: 10.297 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 2334744

Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.6	71.4

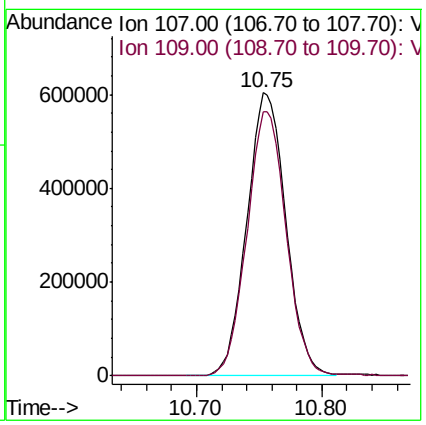


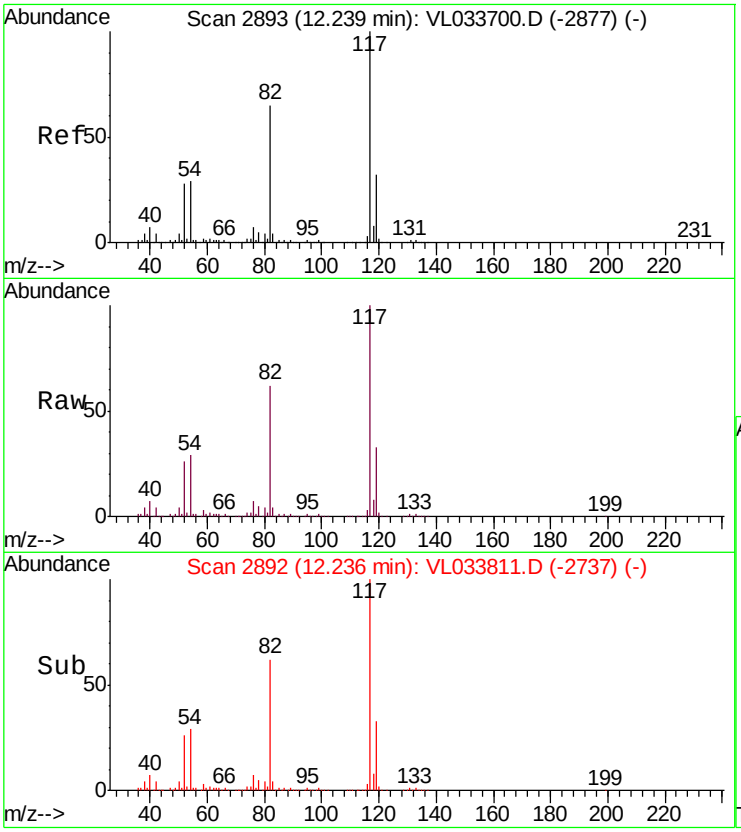


#54
1,2-Dibromoethane
Concen: 9.616 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:107 Resp: 1306555

Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.2	112.8



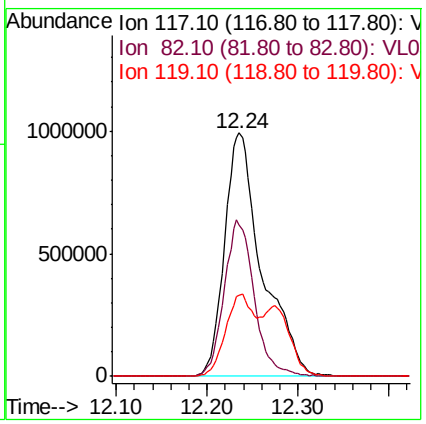


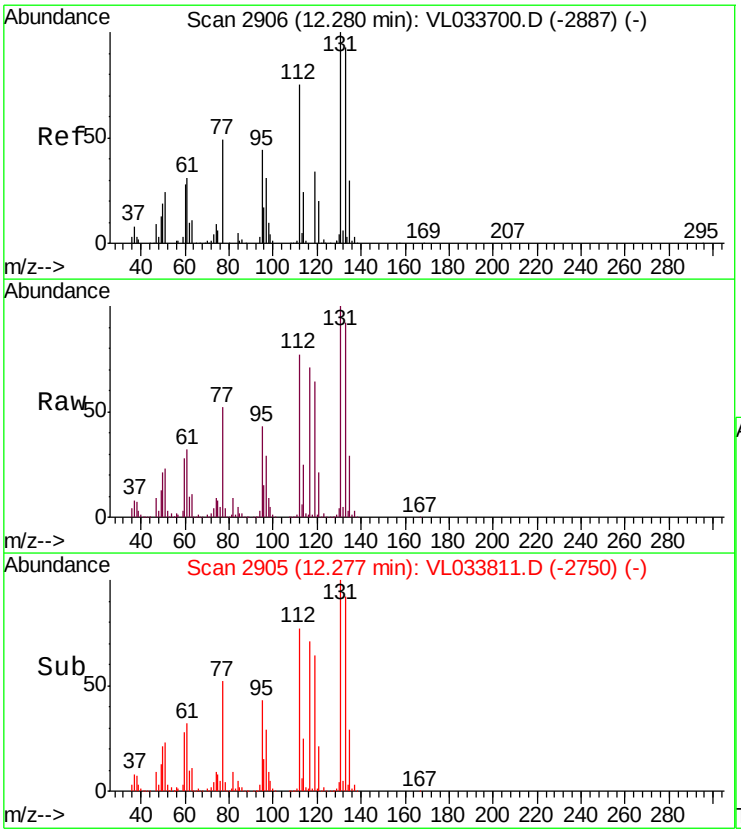
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:117 Resp: 2842836

Ion	Ratio	Lower	Upper
117	100		
82	51.7	49.4	74.0
119	26.7	24.9	37.3

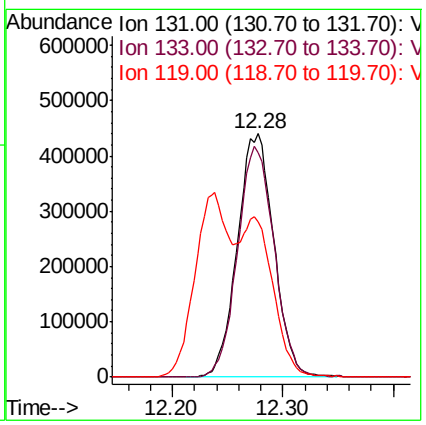


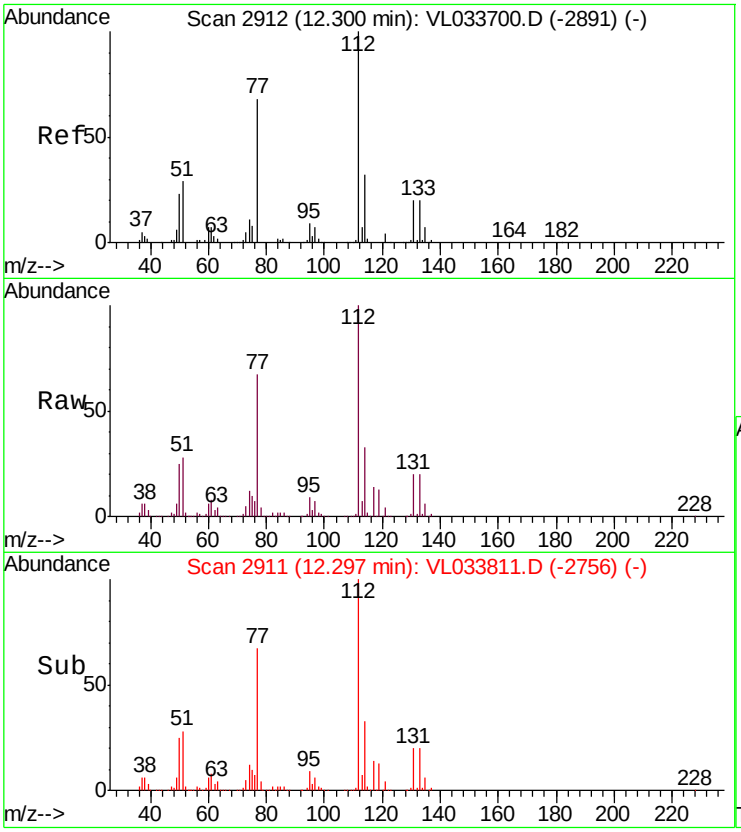


#56
1,1,1,2-Tetrachloroethane
Concen: 7.654 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:131 Resp: 1006922

Ion	Ratio	Lower	Upper
131	100		
133	95.5	76.6	114.8
119	53.1	49.0	73.4



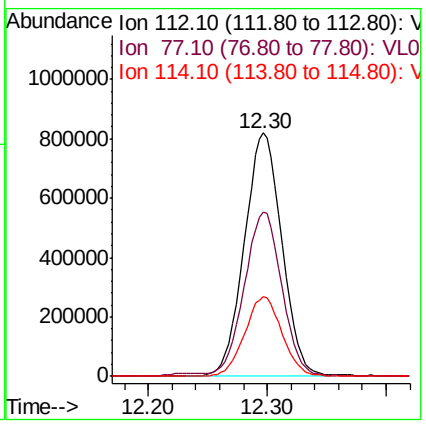


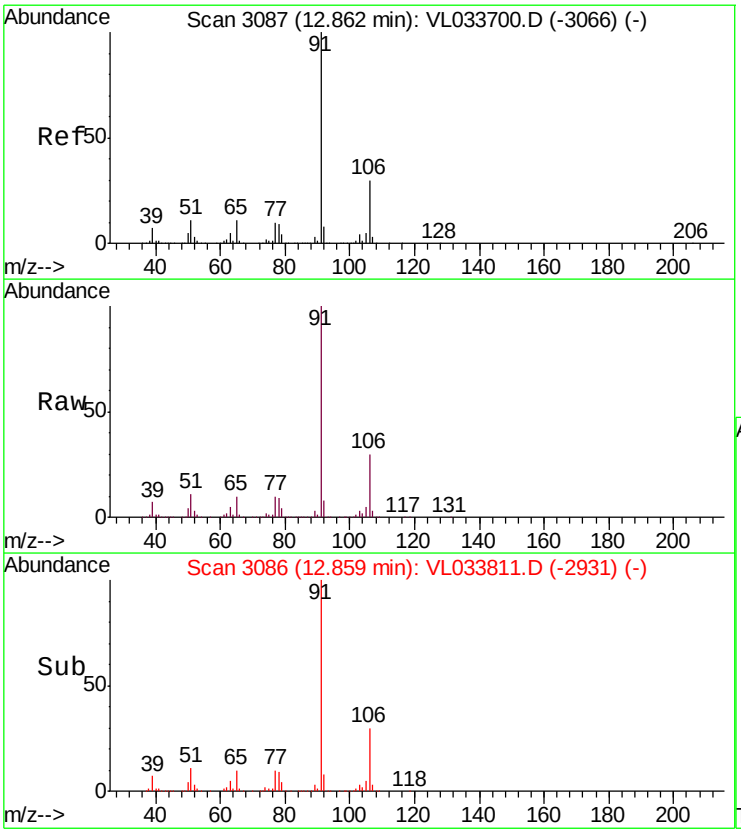
#57
Chlorobenzene
Concen: 7.637 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:112 Resp: 1787047

Ion	Ratio	Lower	Upper
112	100		
77	66.8	55.4	83.0
114	32.6	29.3	35.8

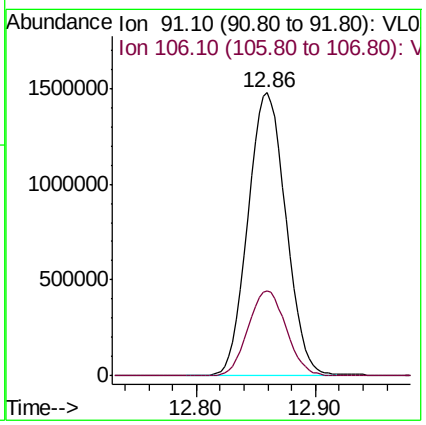


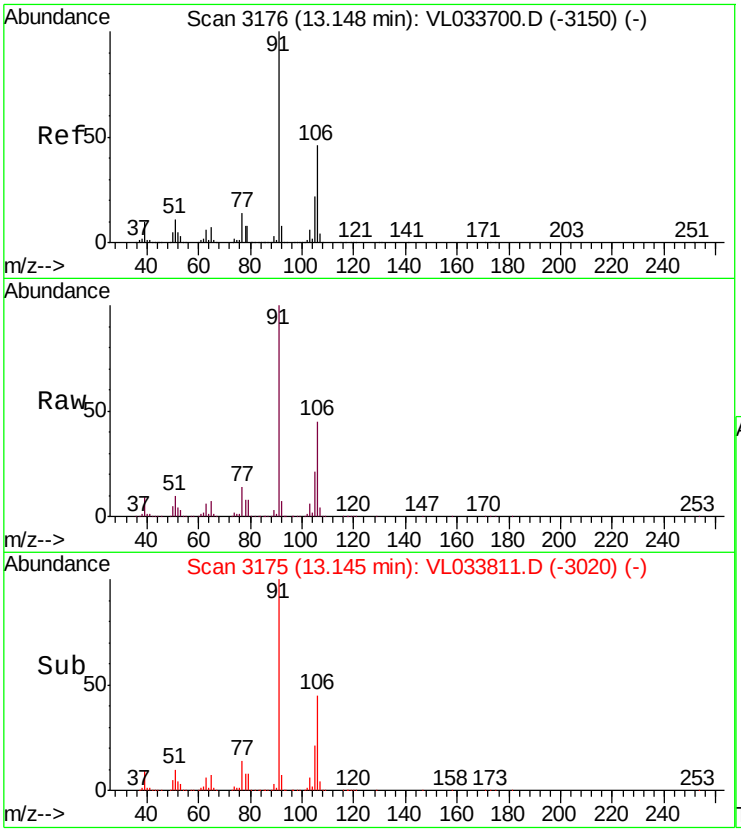


#58
Ethyl Benzene
Concen: 8.691 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 91 Resp: 3271846

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9



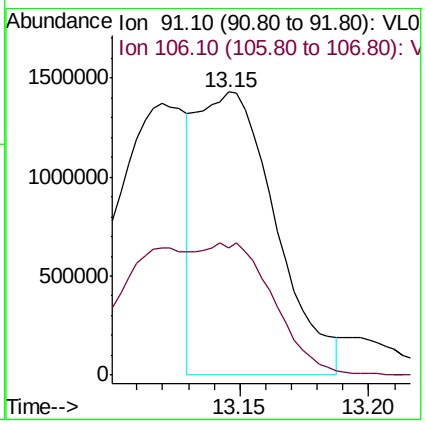


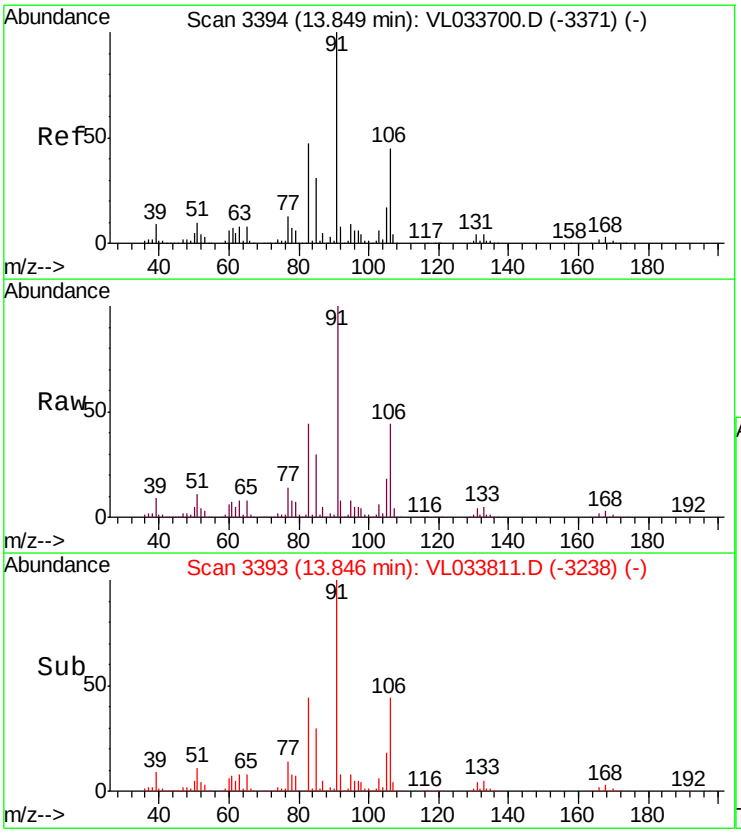
#59
m/p-Xylene
Concen: 9.180 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 3020913

Ion	Ratio	Lower	Upper
91	100		
106	86.9	35.8	53.6#

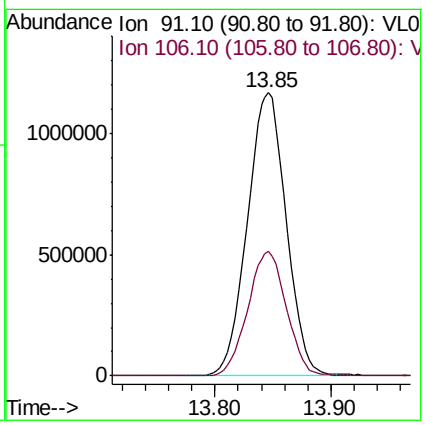


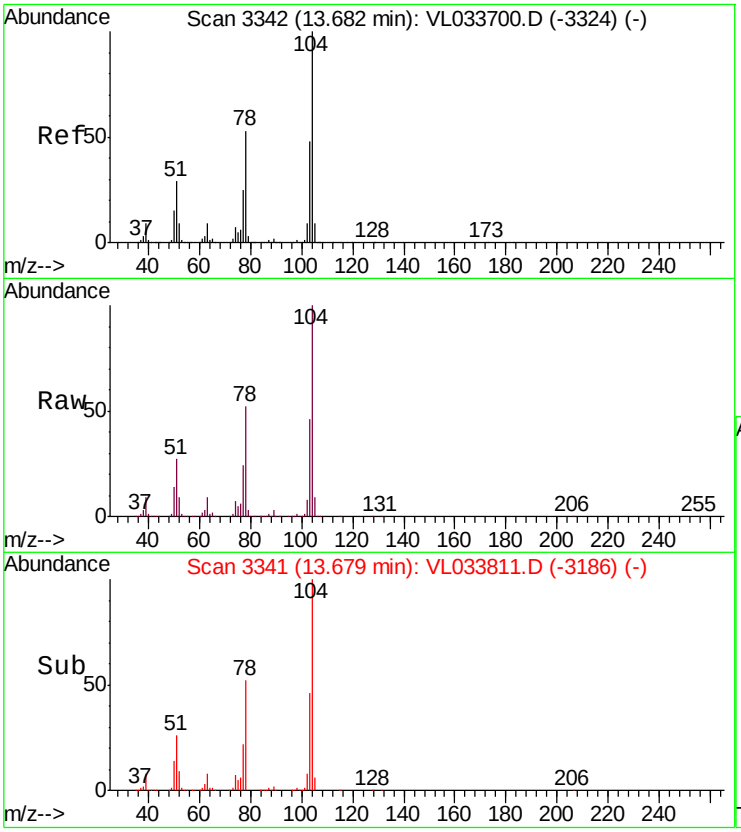


#60
o-Xylene
Concen: 8.193 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 91 Resp: 2718089

Ion	Ratio	Lower	Upper
91	100		
106	44.0	21.6	64.8



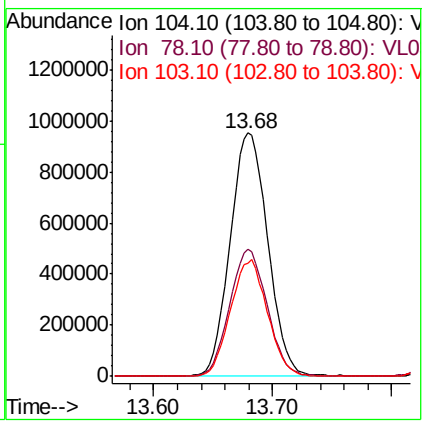


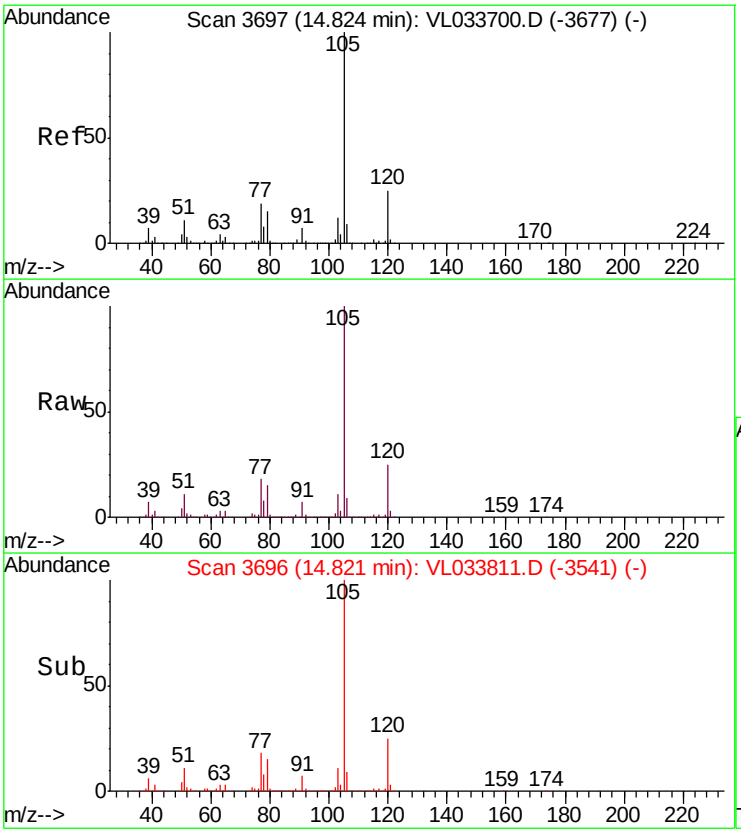
#61
Styrene
Concen: 9.335 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:104 Resp: 2084897

Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.6	64.0
103	47.3	37.8	56.6

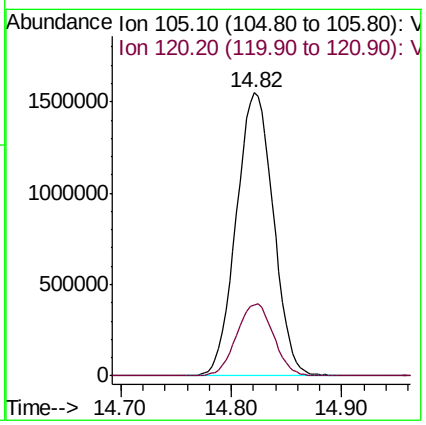


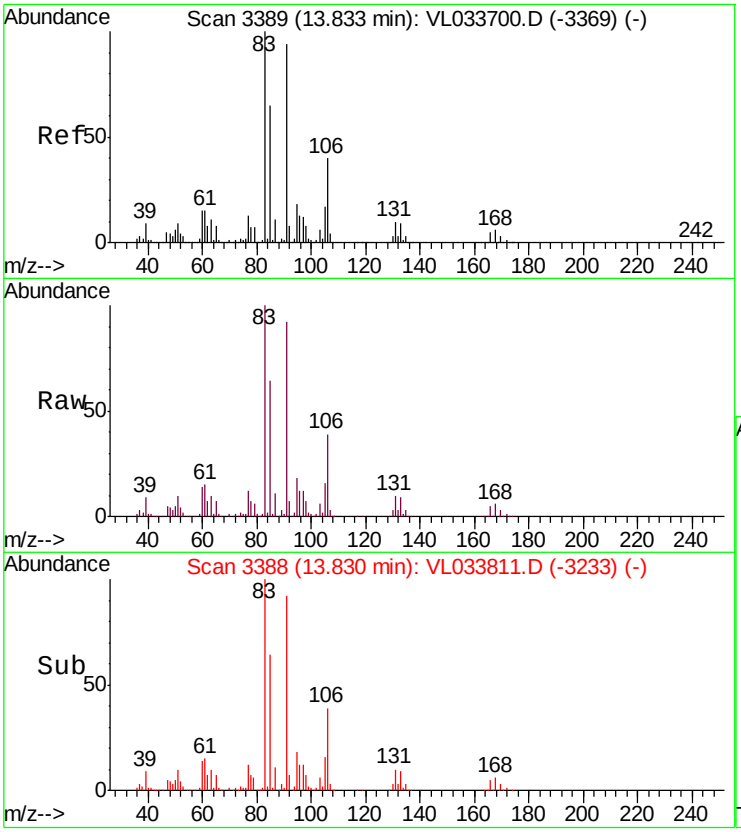


#62
Isopropylbenzene
Concen: 8.103 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:105 Resp: 3619852

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1



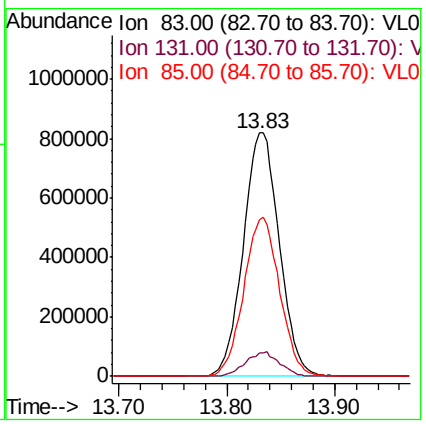


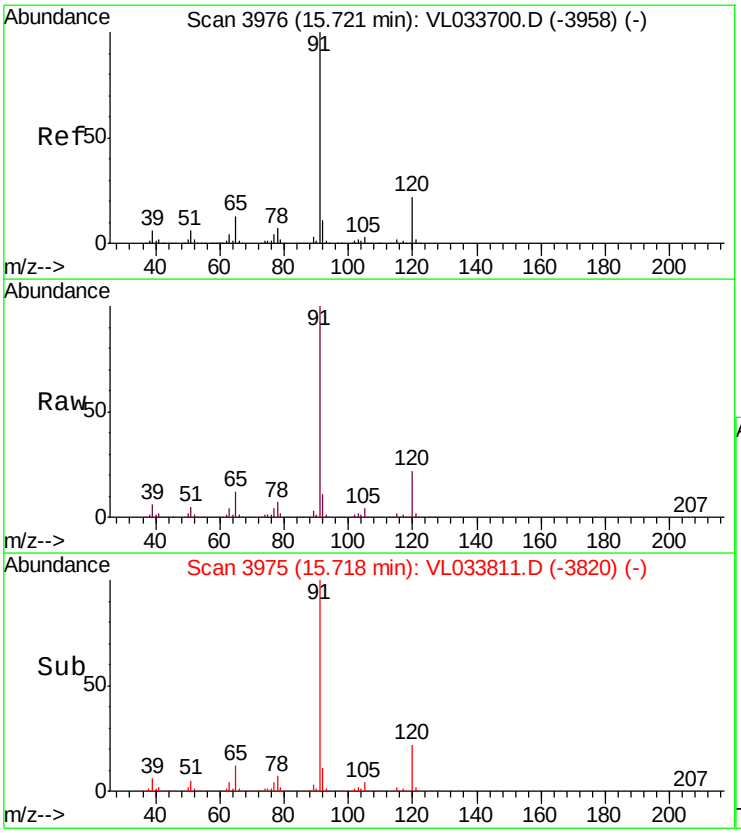
#63
1,1,2,2-Tetrachloroethane
Concen: 7.881 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 1901277

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	65.2	32.3	96.9

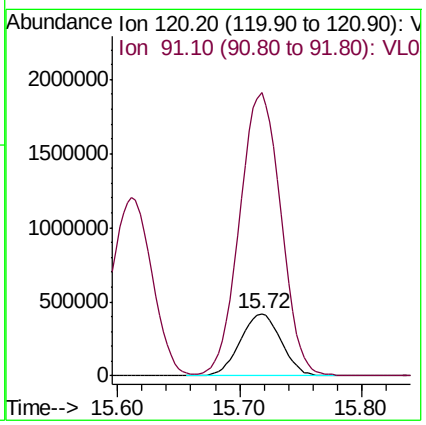


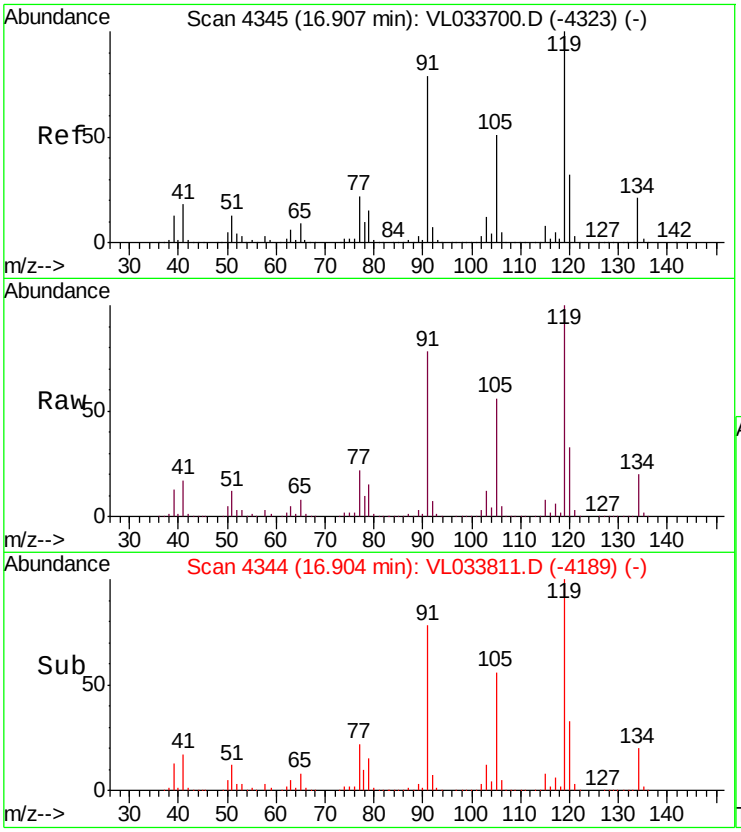


#64
n-propylbenzene
Concen: 8.346 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:120 Resp: 964523

Ion	Ratio	Lower	Upper
120	100		
91	466.6	379.1	568.7



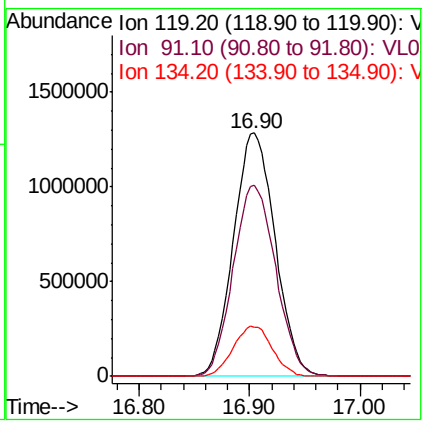


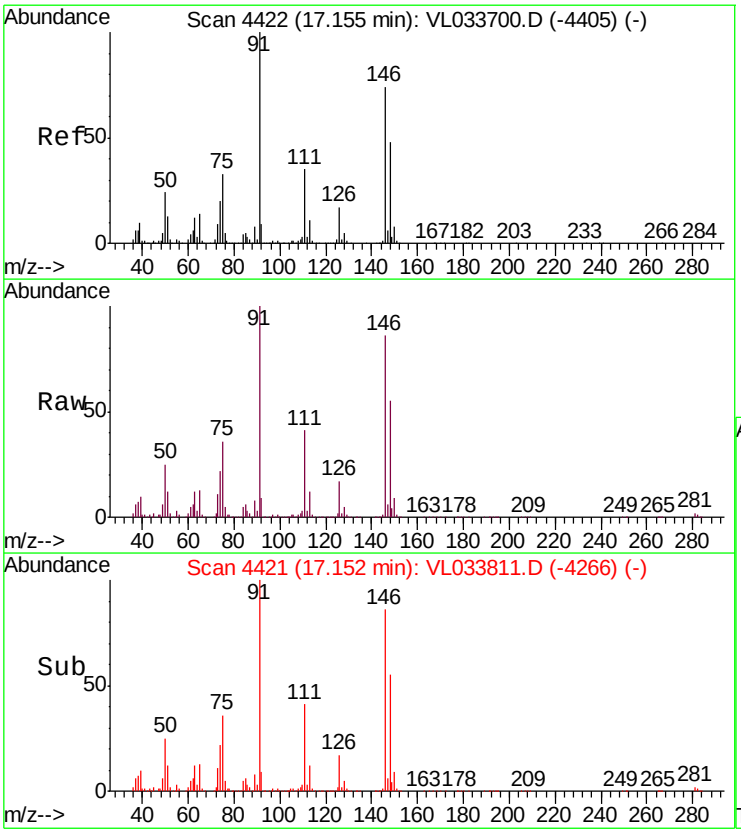
#65
tert-Butylbenzene
Concen: 8.258 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3368257

Ion	Ratio	Lower	Upper
119	100		
91	80.2	65.3	97.9
134	19.5	15.7	23.5

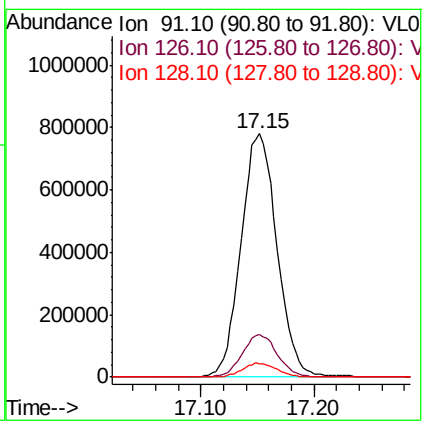


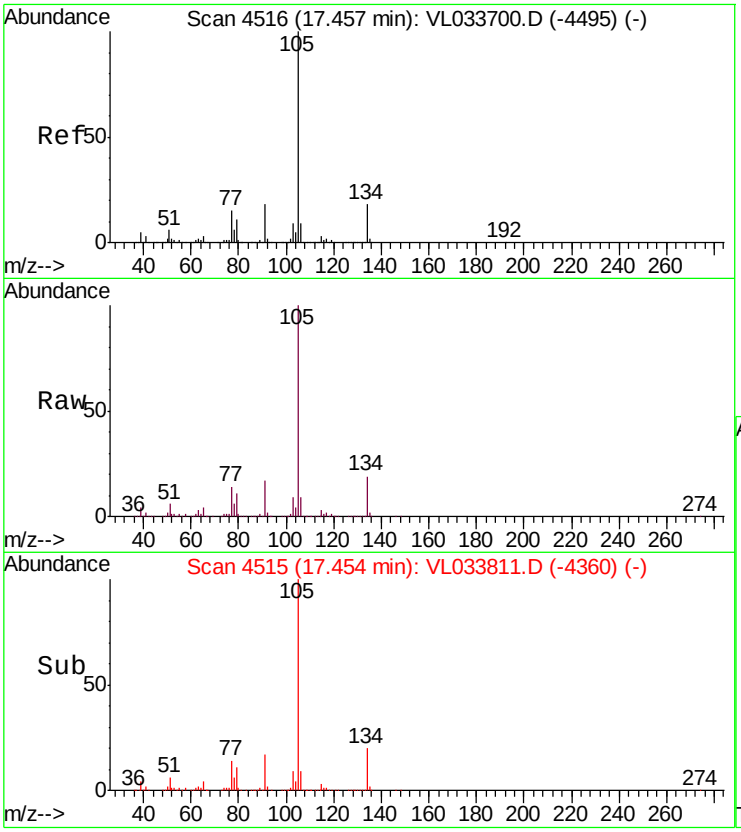


#66
Benzyl Chloride
Concen: 8.855 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 91 Resp: 1720390

Ion	Ratio	Lower	Upper
91	100		
126	17.1	13.5	20.3
128	5.5	4.3	6.5



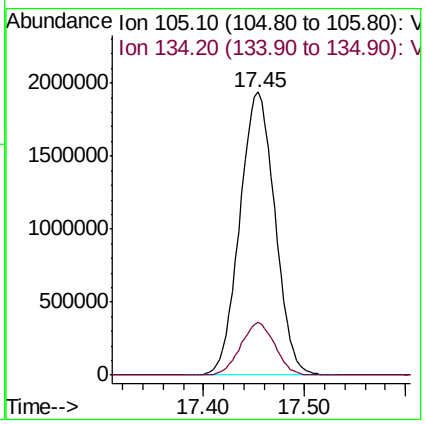


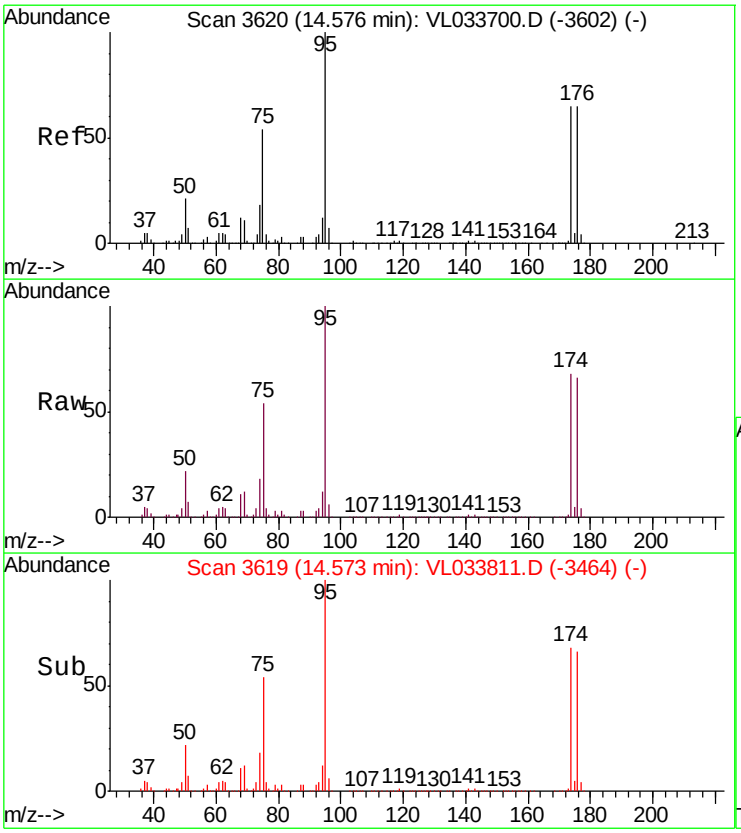
#67
sec-Butylbenzene
Concen: 8.197 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 4679971

Ion	Ratio	Lower	Upper
105	100		
134	18.1	14.6	22.0

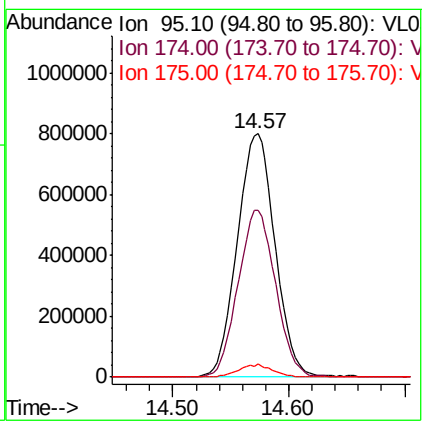


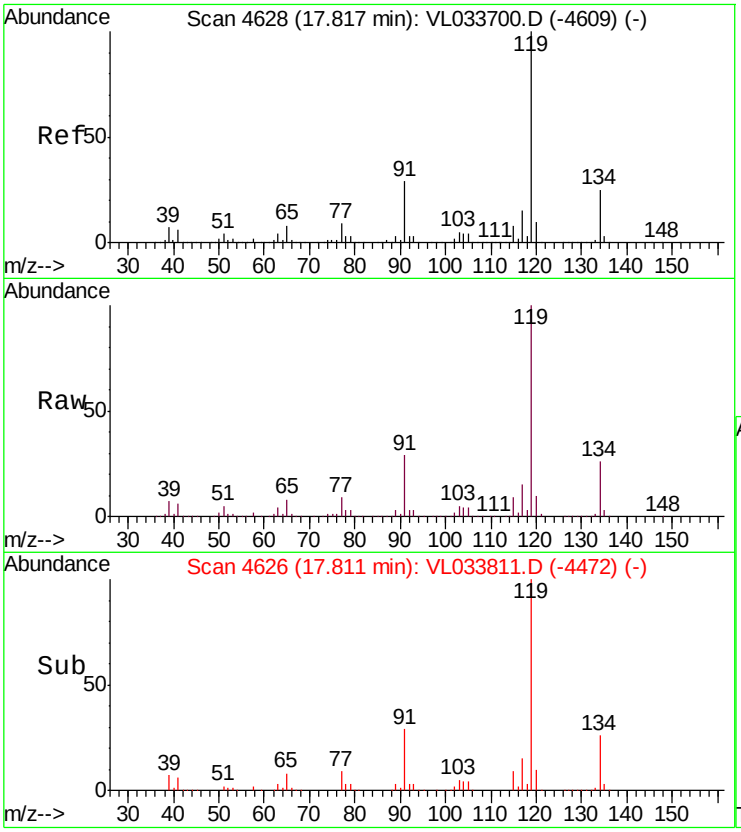


#68
1-Bromo-4-Fluorobenzene
Concen: 7.858 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 95 Resp: 1810936

Ion	Ratio	Lower	Upper
95	100		
174	68.4	53.9	80.9
175	4.9	3.8	5.8



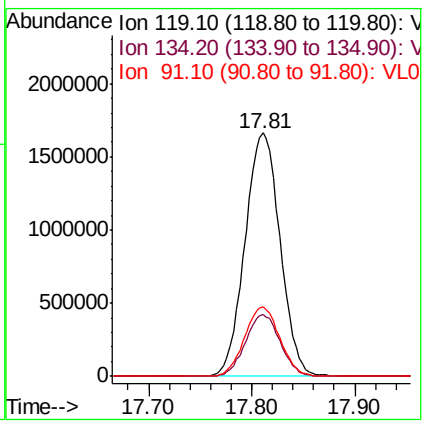


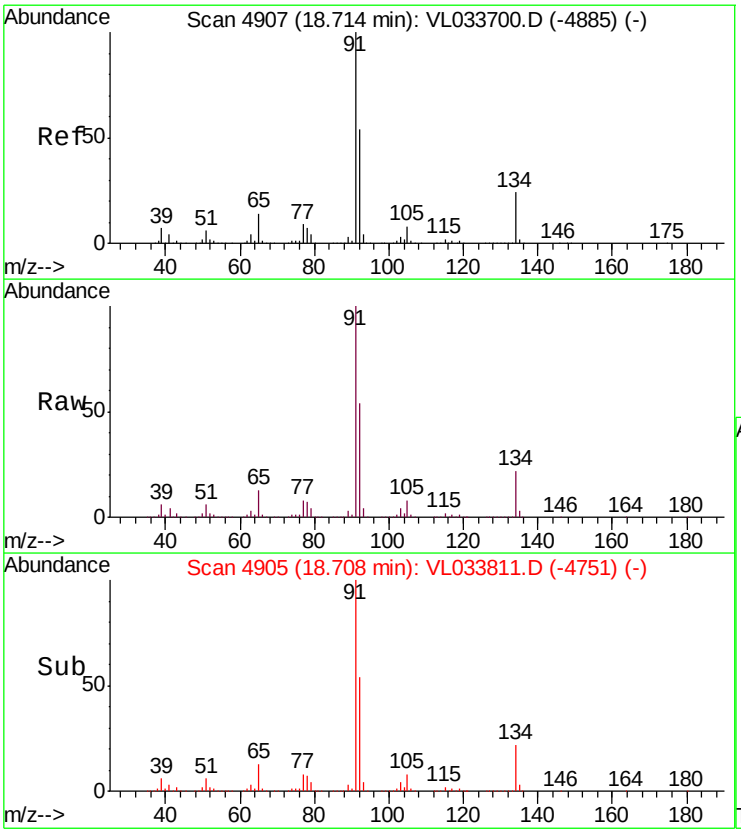
#69
p-Isopropyltoluene
Concen: 8.316 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:119 Resp: 3924044

Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	28.7	23.1	34.7

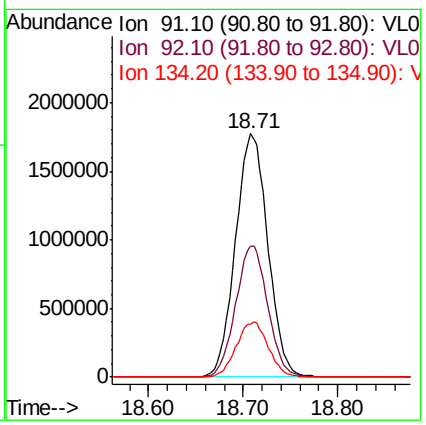


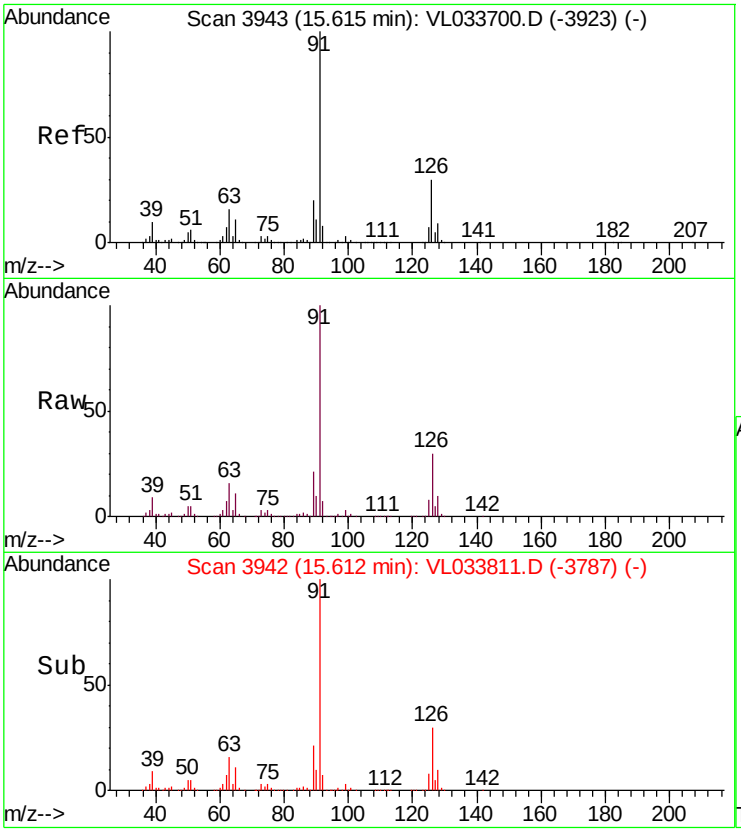


#70
n-Butylbenzene
Concen: 8.333 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion: 91 Resp: 4216523

Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.6	63.8
134	22.5	18.1	27.1



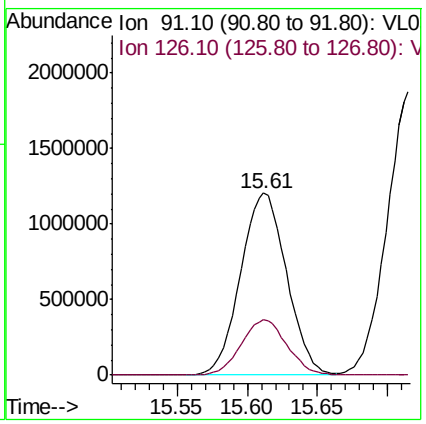


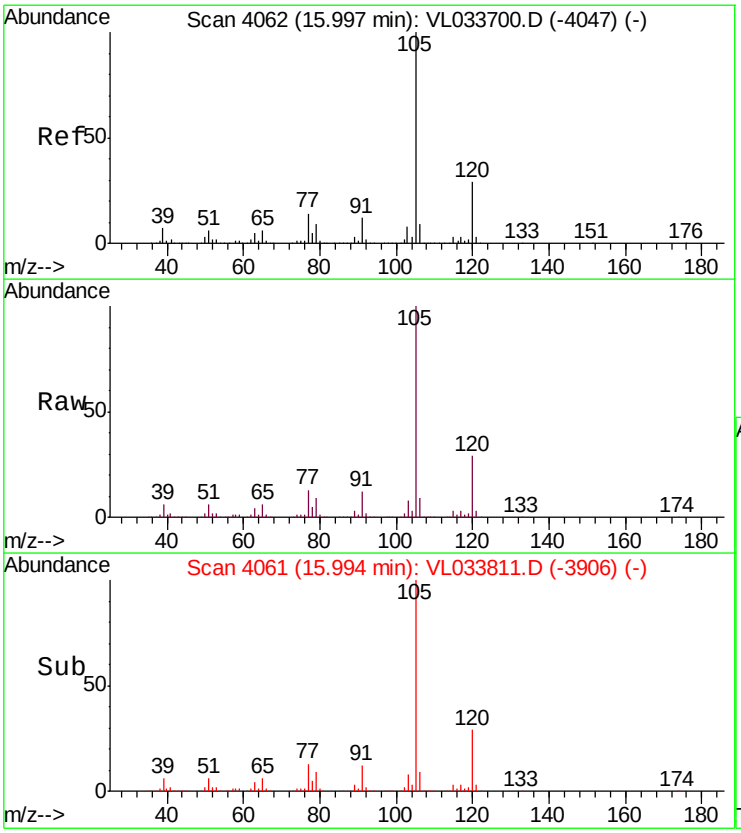
#71
2-Chlorotoluene
Concen: 8.286 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion: 91 Resp: 2746552

Ion	Ratio	Lower	Upper
91	100		
126	30.4	12.0	47.8

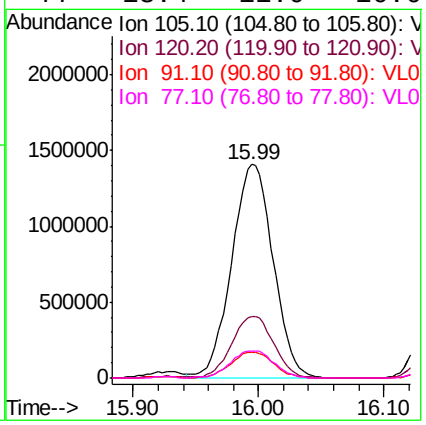


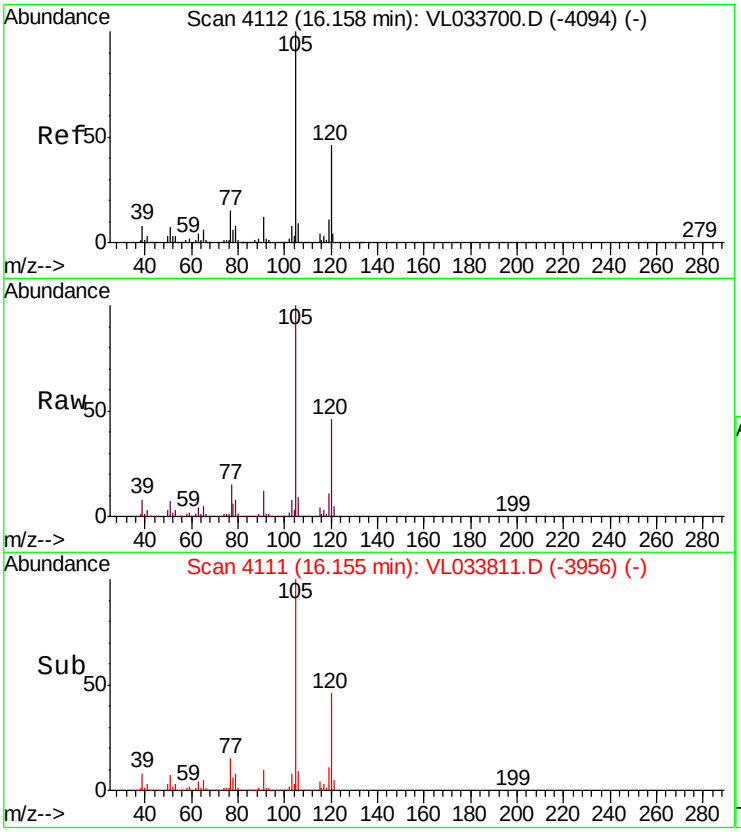


#72
4-Ethyltoluene
Concen: 8.495 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:105 Resp: 3222155

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.1	34.7
91	12.5	10.4	15.6
77	13.4	11.0	16.6



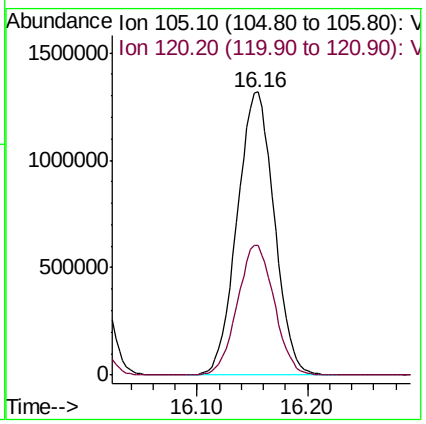


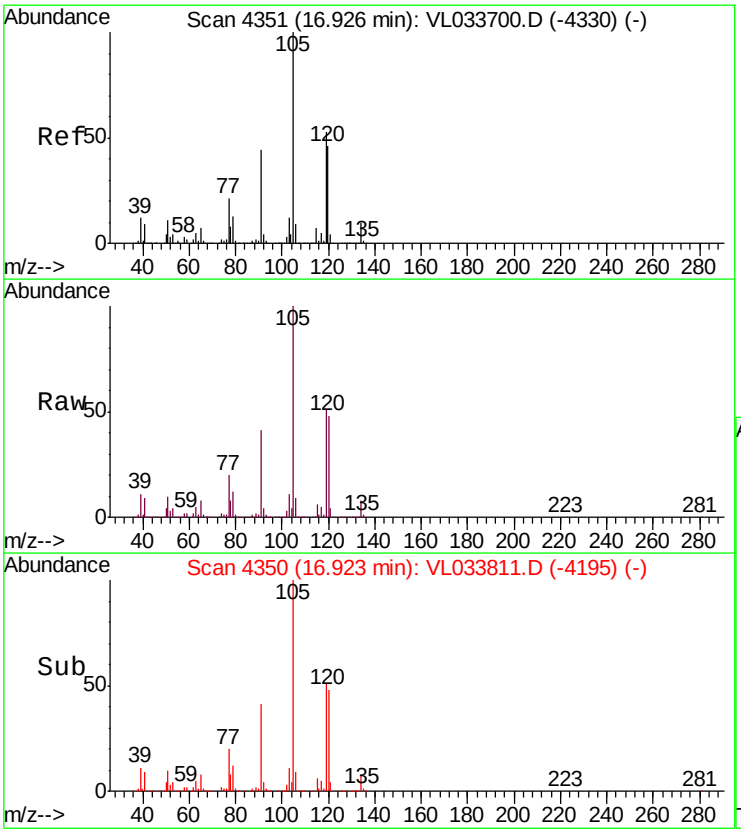
#73
1,3,5-Trimethylbenzene
Concen: 8.260 ppbv
RT: 16.16 min Scan# 4111
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:105 Resp: 3056792

Ion	Ratio	Lower	Upper
105	100		
120	46.0	37.0	55.4

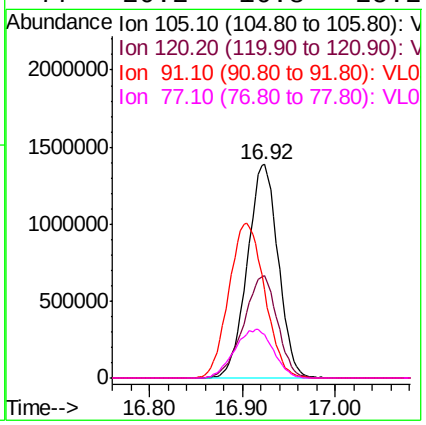


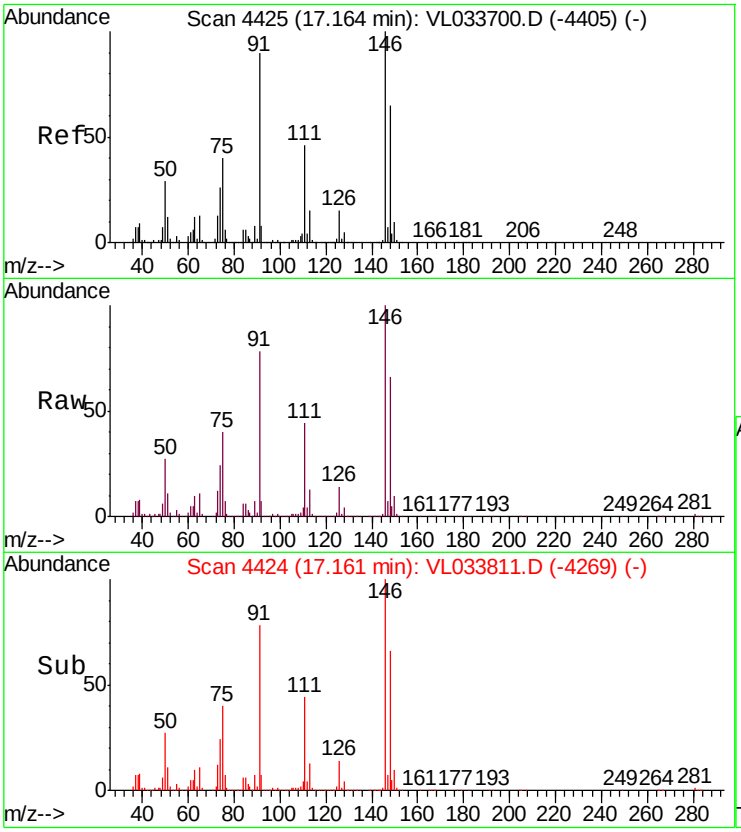


#74
1,2,4-Trimethylbenzene
Concen: 7.954 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:105 Resp: 3203687

Ion	Ratio	Lower	Upper
105	100		
120	47.9	36.8	55.2
91	41.3	35.4	53.0
77	20.2	16.8	25.2



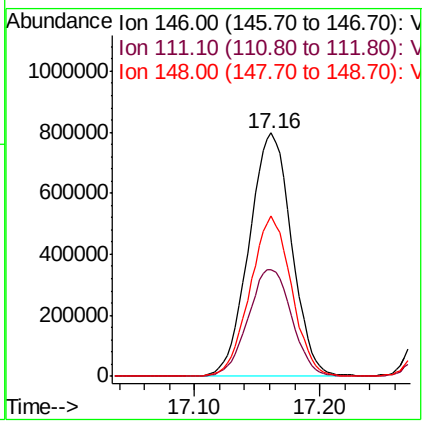


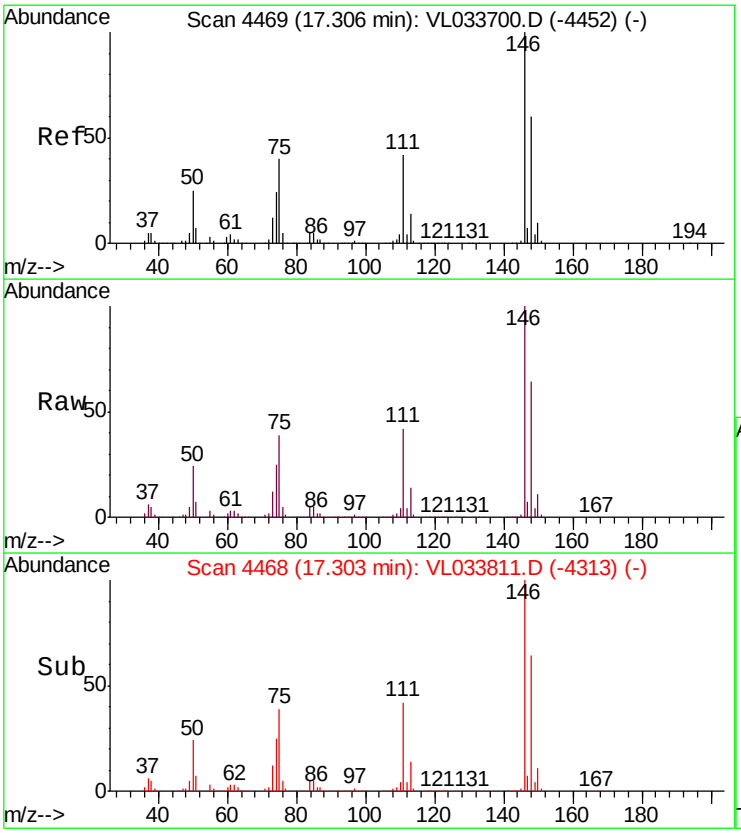
#75
1,3-Dichlorobenzene
Concen: 7.615 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1879531

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.9	68.8
148	64.3	32.0	96.2

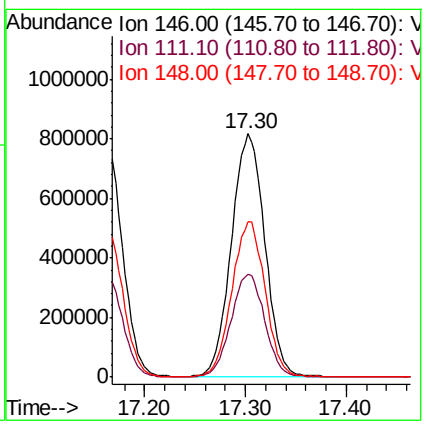


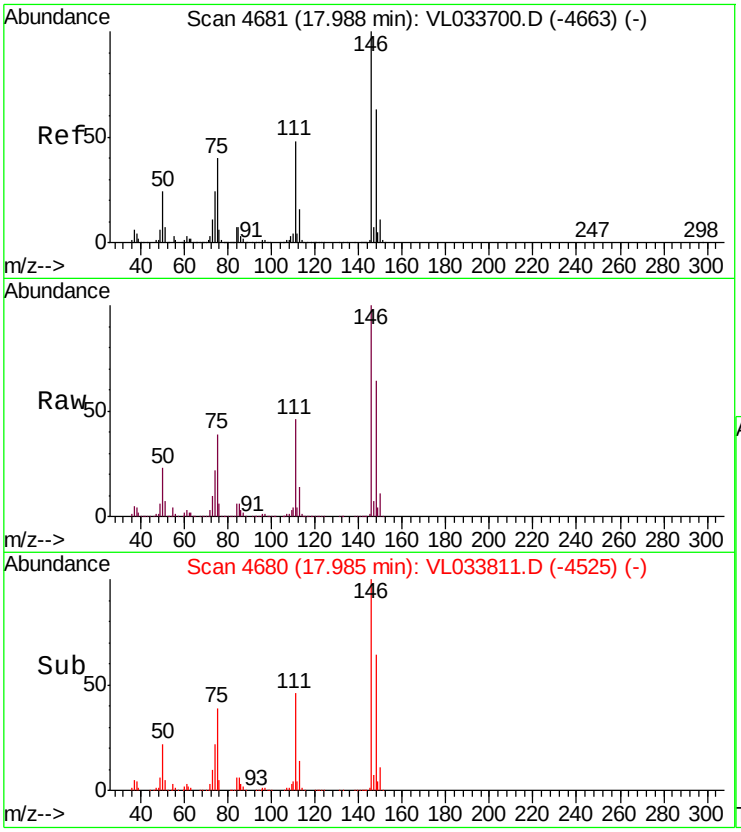


#76
1,4-Dichlorobenzene
Concen: 8.004 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:146 Resp: 1877433

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.8
148	63.6	32.1	96.3



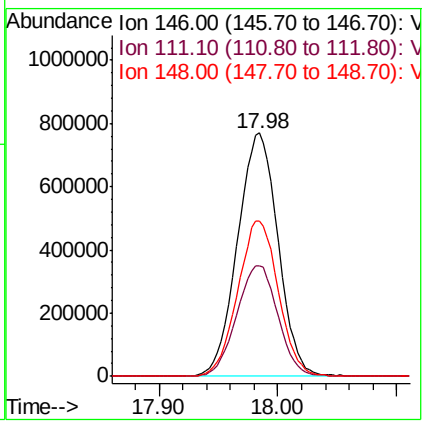


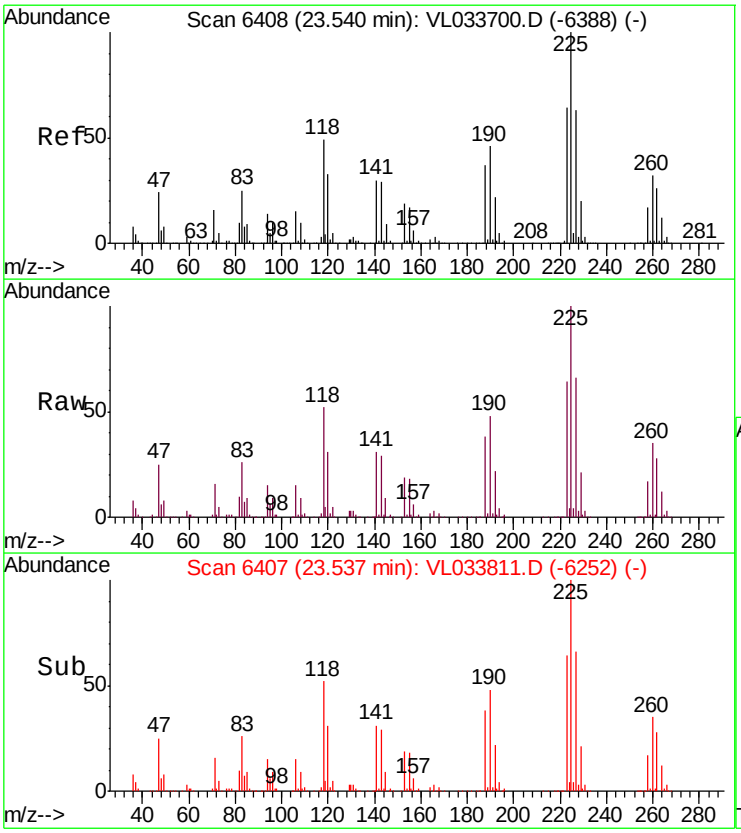
#77
1,2-Dichlorobenzene
Concen: 7.809 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Tgt Ion:146 Resp: 1811073

Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.5	70.5
148	64.3	32.1	96.3

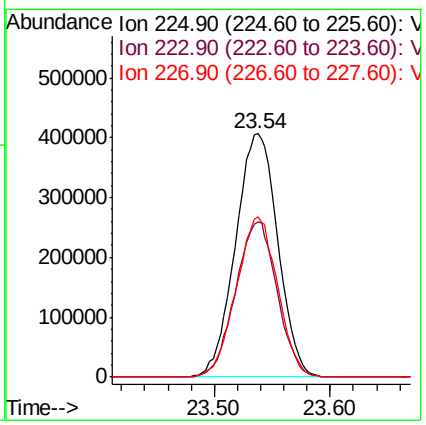


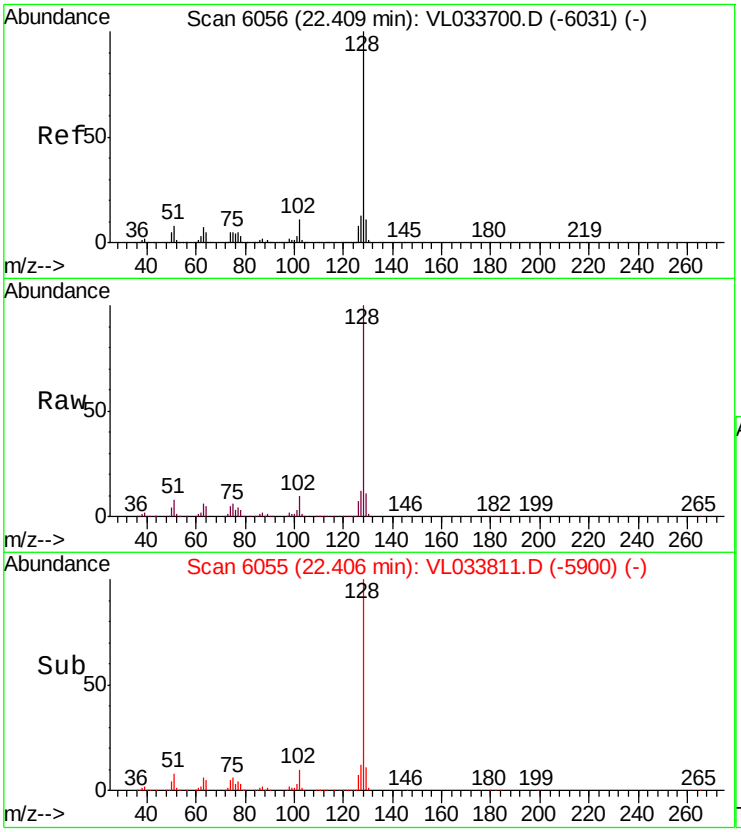


#78
Hexachloro-1,3-Butadiene
Concen: 5.887 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:225 Resp: 1032230

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.4
227	64.2	50.7	76.1



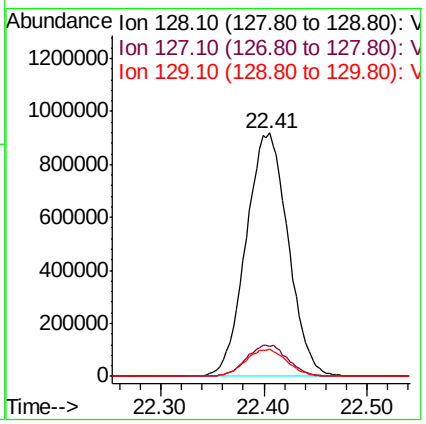


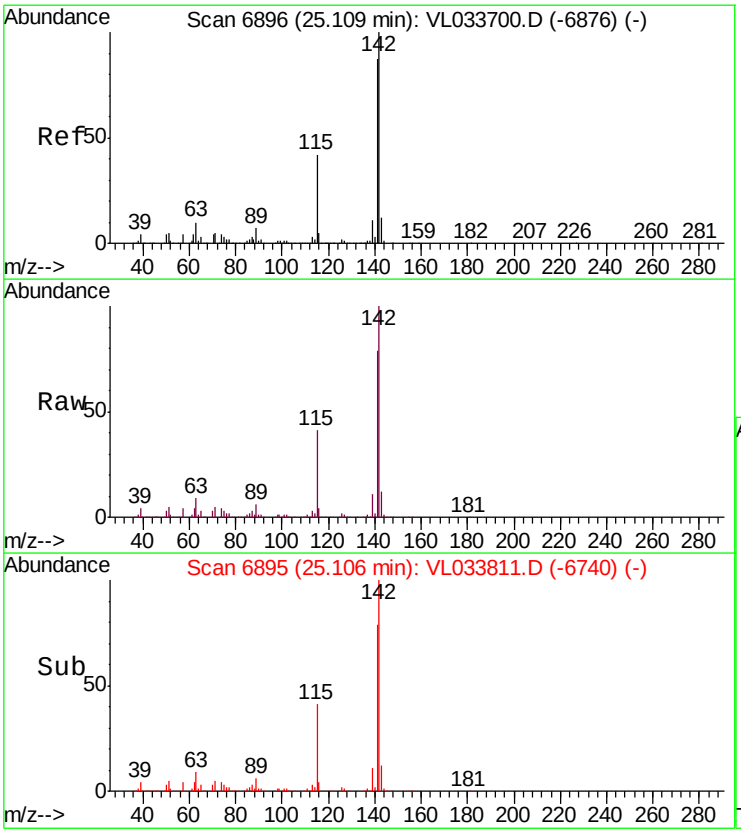
#79
Naphthalene
Concen: 6.936 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2594551

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	11.1	8.9	13.3

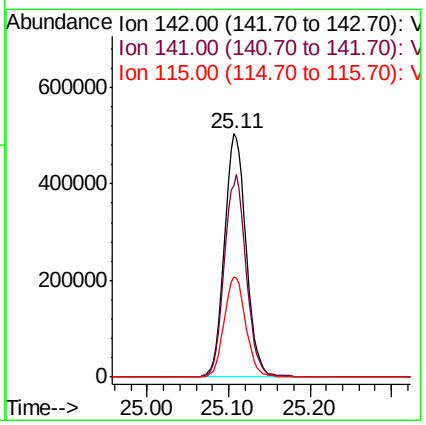


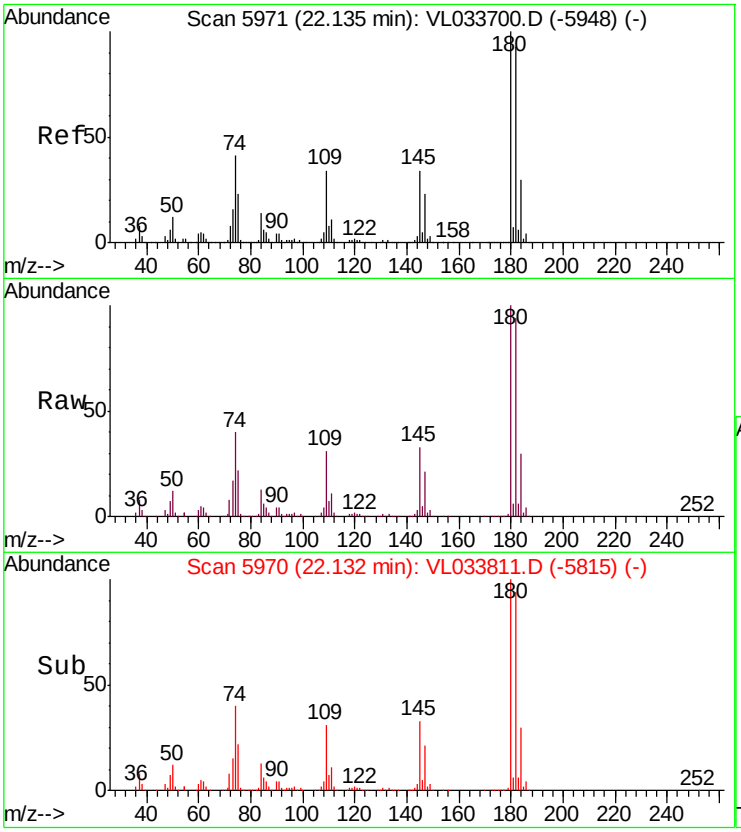


#80
Naphthalene,2-methyl-
Concen: 6.664 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Tgt Ion:142 Resp: 947258

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.2	100.8
115	41.1	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 6.802 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. -0.00 min
Lab File: VL033811.D
Acq: 28 May 2019 19:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:180 Resp: 1489924

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
184	30.5	24.6	37.0