Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

Quantitation Report (Not Reviewed)

Data File : VL033772.D
Acq On : 23 May 2019 13:16
Operator : SY/AP
Sample : VL0523ABS01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Quant Time: May 24 04:22:53 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	920082	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2153566	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2285203	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1805362	9.75	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1595065	8.226	ppbv	100
3) Chlorodifluoromethane	3.01	51	1122770	10.653	ppbv	99
4) Chloromethane	3.17	50	644658	10.694	ppbv	98
5) Vinyl Chloride	3.29	62	648042	10.554	ppbv	100
6) Bromomethane	3.51	94	416734	11.123	ppbv	99
7) Chloroethane	3.59	64	246802	11.310	ppbv	99
8) Dichlorotetrafluoroethane	3.21	85	1662322	10.634	ppbv	99
9) Propene	3.03	41	497215	11.092	ppbv	98
10) Heptane	8.24	43	1339541	10.552	ppbv	100
11) Trichlorofluoromethane	4.00	101	1954381	10.561	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.54	101	1329648	10.289	ppbv	99
13) Ethanol	3.64	45	87969	6.072	ppbv	97
14) Bromoethene	3.78	108	541490	11.397	ppbv	99
15) Acetone	3.89	43	1213735	9.508	ppbv	100
16) 1,3-Butadiene	3.36	39	568223	11.178	ppbv	98
17) tert-Butyl alcohol	4.35	59	1025529	9.935	ppbv	100
18) 1,1-Dichloroethene	4.35	96	586226	10.747	ppbv	98
19) Isopropyl Alcohol	4.02	45	738597	8.973	ppbv	99
20) Methylene Chloride	4.40	84	494630	10.064	ppbv	99
21) Allyl Chloride	4.47	41	856255	10.754	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	604258	10.807	ppbv	99
23) Vinyl Acetate	5.15	43	1908224	11.337	ppbv	99
24) 1,1-Dichloroethane	5.08	63	1332070	10.411	ppbv	99
25) Ethyl Acetate	5.76	43	2296033	10.239	ppbv	100
26) Hexane	5.77	57	994102	10.312	ppbv	98
27) Carbon Disulfide	4.62	76	1483475	11.216	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1714626	10.910	ppbv	100
29) Chloroform	5.84	83	1741776	9.808	ppbv	100
30) Cyclohexane	7.24	84	846089	10.439	ppbv	100
31) cis-1,2-Dichloroethene	5.63	61	1049630	10.981	ppbv	99
32) 1,1,1-Trichloroethane	6.61	97	1769521	9.980	ppbv	100
34) 2-Butanone	5.32	43	1487858	11.146	ppbv	99
35) Carbon Tetrachloride	7.13	117	1882094	10.910	ppbv	99
36) Benzene	7.00	78	2084332	10.640	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1325957	10.493	ppbv	100
38) Trichloroethene	7.95	130	907814	12.489	ppbv	98
39) 1,2-Dichloropropane	7.73	63	822222	11.258	ppbv	97
40) 1,4-Dioxane	7.95	88	303072	9.920	ppbv #	96
41) Tetrahydrofuran	6.14	42	838850	11.216	ppbv	99
42) Bromodichloromethane	7.91	83	1998217	11.550	ppbv	96
43) Methyl Methacrylate	8.13	69	868093	12.041	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

Quantitation Report (Not Reviewed)

Data File : VL033772.D
Acq On : 23 May 2019 13:16
Operator : SY/AP
Sample : VL0523ABS01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Quant Time: May 24 04:22:53 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	3713670	11.217	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	1141808	12.493	ppbv		98
46) cis-1,3-Dichloropropene	8.83	75	1283373	11.992	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	884058	10.655	ppbv		99
48) Dibromochloromethane	10.44	129	1626921	11.317	ppbv		99
49) Bromoform	13.20	173	1488695	12.307	ppbv		99
50) 4-Methyl-2-Pentanone	8.86	43	2261606	11.015	ppbv		99
51) 2-Hexanone	10.26	43	1880608	11.736	ppbv	#	99
52) Tetrachloroethene	11.36	164	799425	11.609	ppbv		96
53) Toluene	9.94	91	2466068	11.671	ppbv		100
54) 1,2-Dibromoethane	10.75	107	1396638	11.030	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.27	131	1081794	10.230	ppbv		97
57) Chlorobenzene	12.30	112	1897254	10.086	ppbv		99
58) Ethyl Benzene	12.86	91	3451312	11.405	ppbv		100
59) m/p-Xylene	13.14	91	2672457	10.102	ppbv	#	19
60) o-Xylene	13.84	91	2868223	10.756	ppbv		99
61) Styrene	13.68	104	2138151	11.909	ppbv		99
62) Isopropylbenzene	14.82	105	3827725	10.659	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2014642	10.389	ppbv		100
64) n-propylbenzene	15.71	120	985328	10.607	ppbv		98
65) tert-Butylbenzene	16.90	119	3513295	10.715	ppbv		99
66) Benzyl Chloride	17.15	91	1819121	11.649	ppbv		100
67) sec-Butylbenzene	17.45	105	4852309	10.573	ppbv		100
69) p-Isopropyltoluene	17.81	119	4039181	10.649	ppbv		99
70) n-Butylbenzene	18.70	91	4175434	10.265	ppbv		99
71) 2-Chlorotoluene	15.61	91	2896461	10.871	ppbv		100
72) 4-Ethyltoluene	15.99	105	3341168	10.958	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	3203998	10.770	ppbv		99
74) 1,2,4-Trimethylbenzene	16.92	105	3365812	10.396	ppbv		100
75) 1,3-Dichlorobenzene	17.15	146	1929374	9.725	ppbv		99
76) 1,4-Dichlorobenzene	17.30	146	1907536	10.116	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1860628	9.981	ppbv		100
78) Hexachloro-1,3-Butadiene	23.53	225	1102761	7.824	ppbv		99
79) Naphthalene	22.40	128	2781437	9.249	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1142313	9.997	ppbv		100
81) 1,2,4-Trichlorobenzene	22.13	180	1568961	8.910	ppbv		100

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

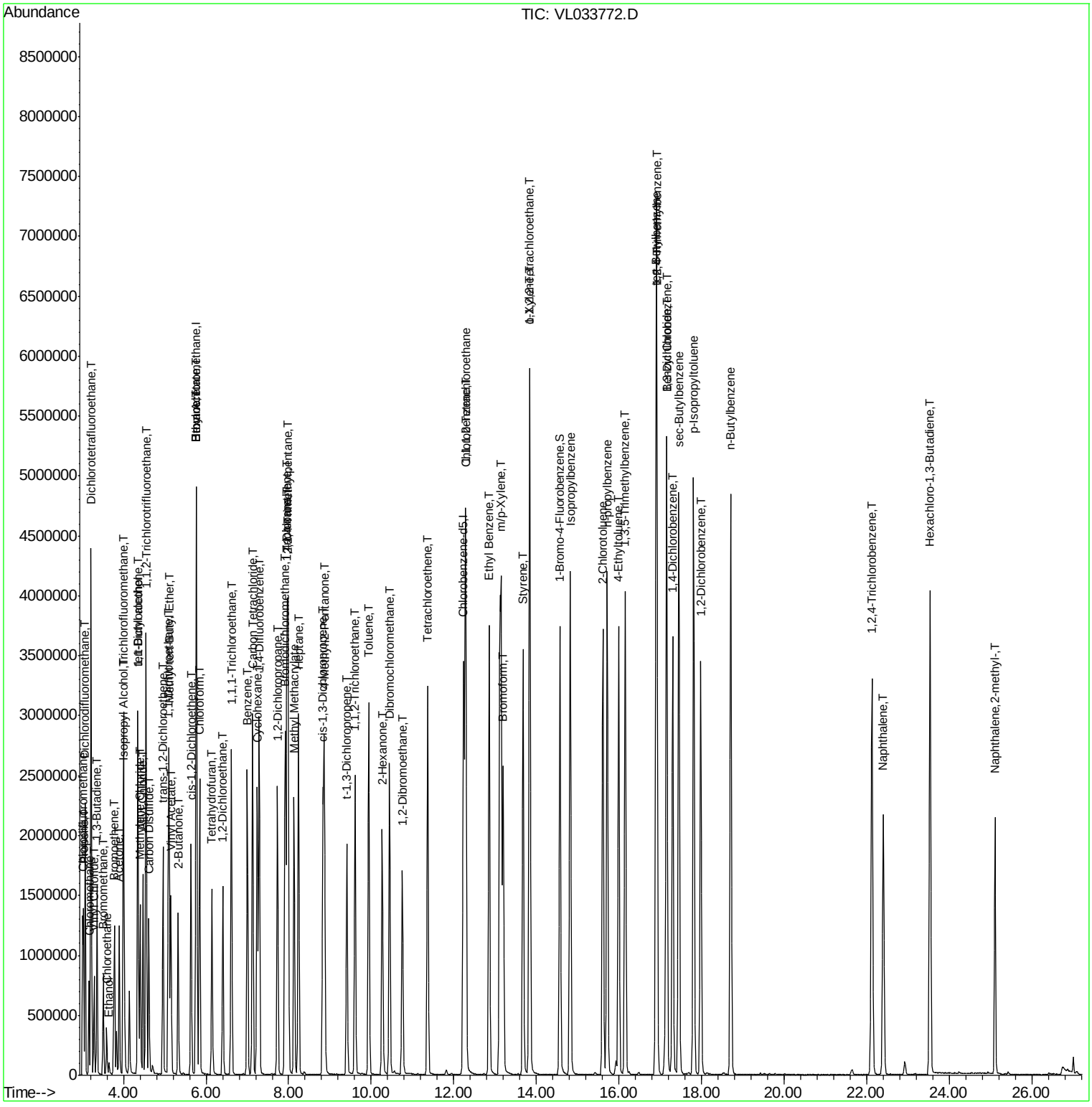
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

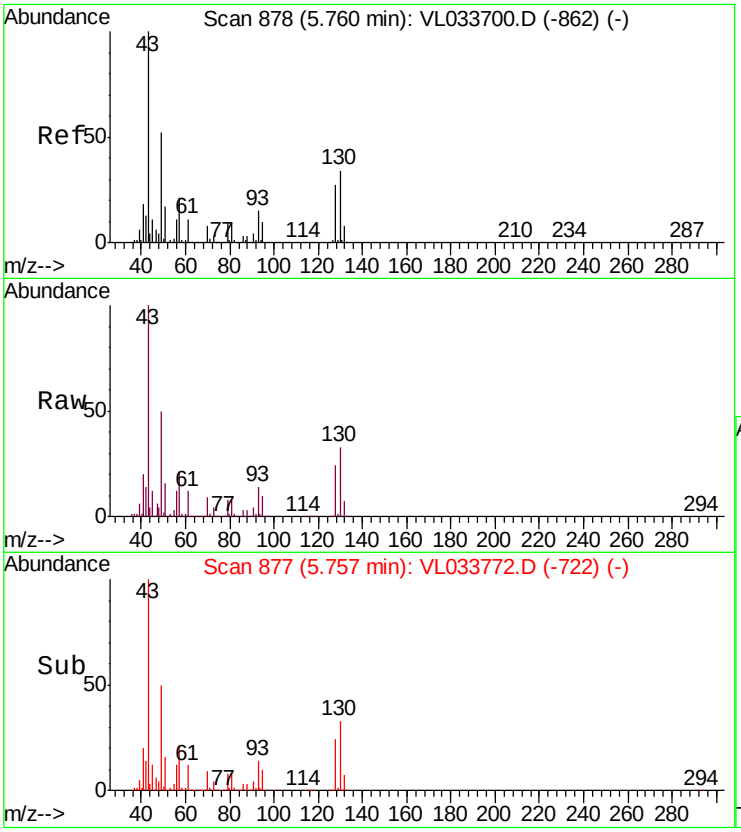
Quantitation Report (Not Reviewed)

Data File : VL033772.D
Acq On : 23 May 2019 13:16
Operator : SY/AP
Sample : VL0523ABS01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Quant Time: May 24 04:22:53 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



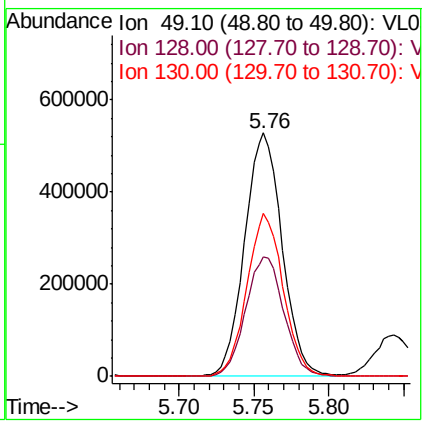


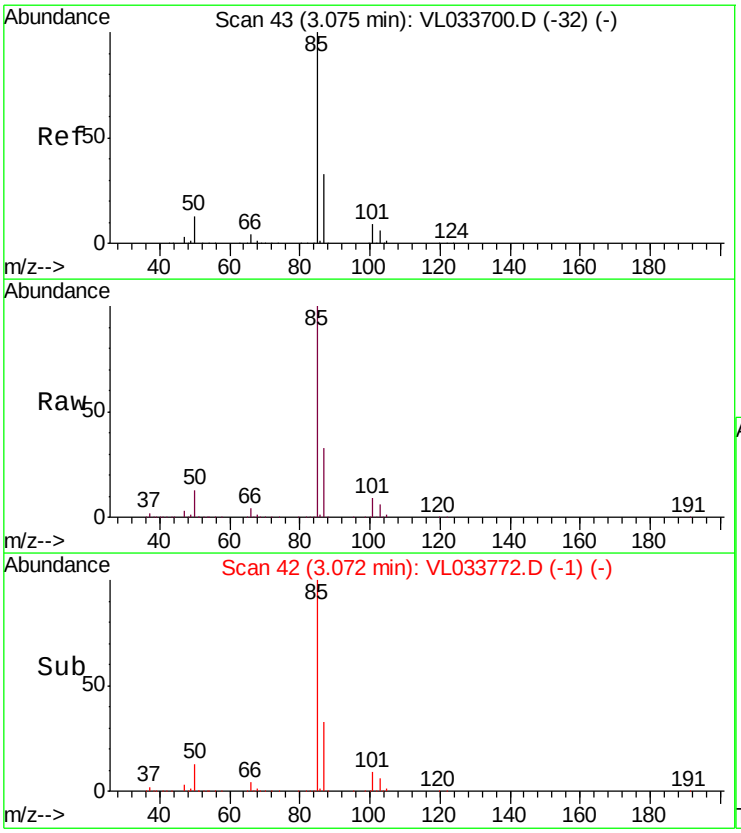
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 49 Resp: 920082

Ion	Ratio	Lower	Upper
49	100		
128	50.3	25.2	75.6
130	65.3	32.5	97.5

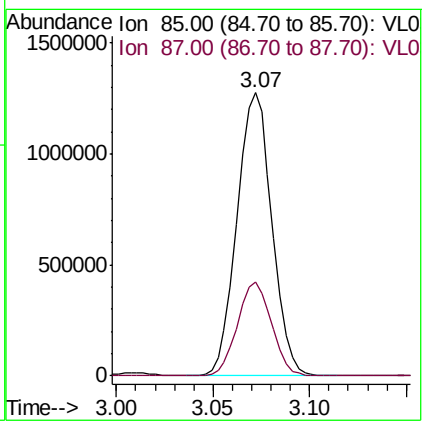


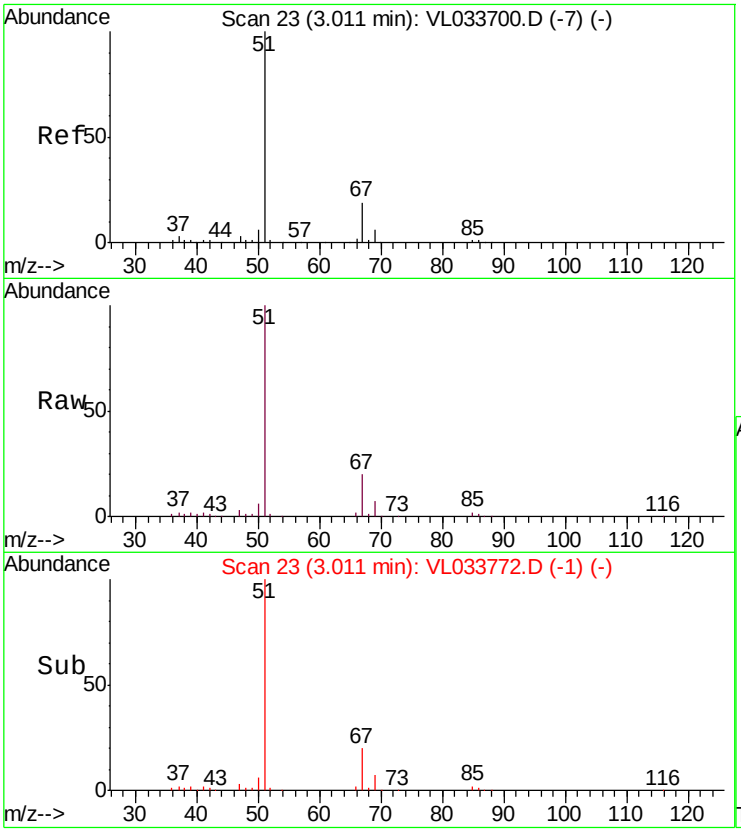


#2
Dichlorodifluoromethane
Concen: 8.226 ppbv
RT: 3.07 min Scan# 42
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 85 Resp: 1595065

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.3	39.5



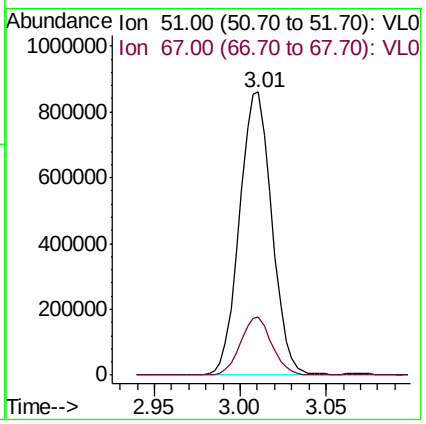


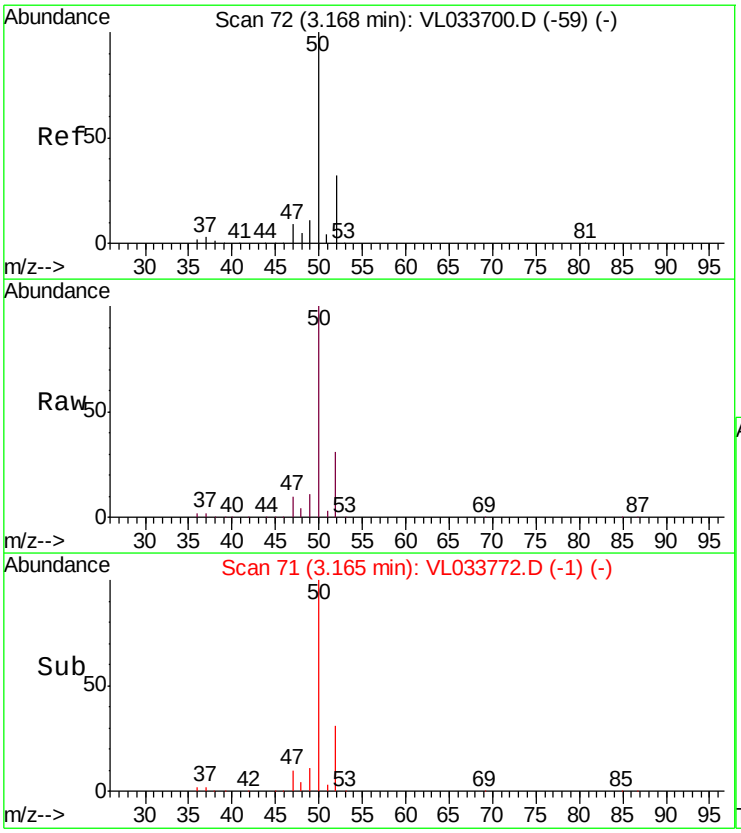
#3
Chlorodifluoromethane
Concen: 10.653 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 51 Resp: 1122770

Ion	Ratio	Lower	Upper
51	100		
67	19.9	15.6	23.4

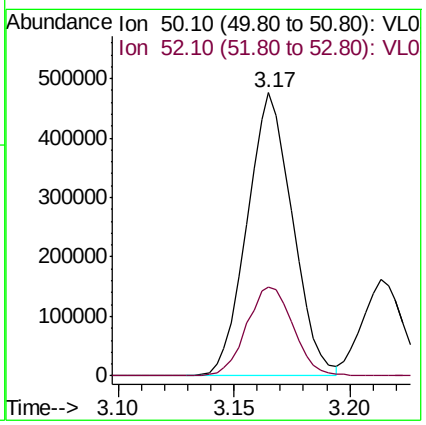


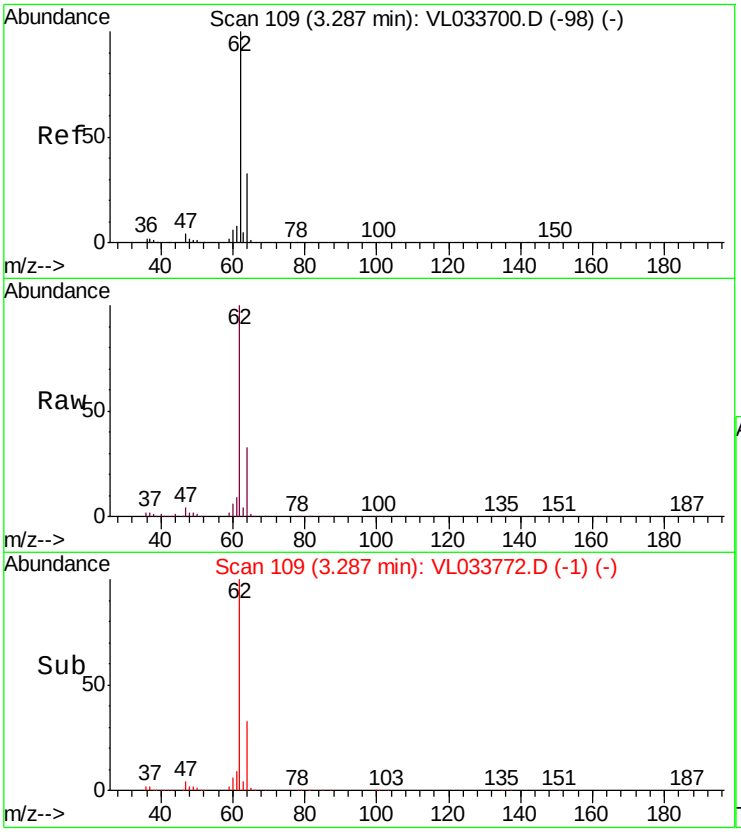


#4
Chloromethane
Concen: 10.694 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 50 Resp: 644658

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.7	38.5



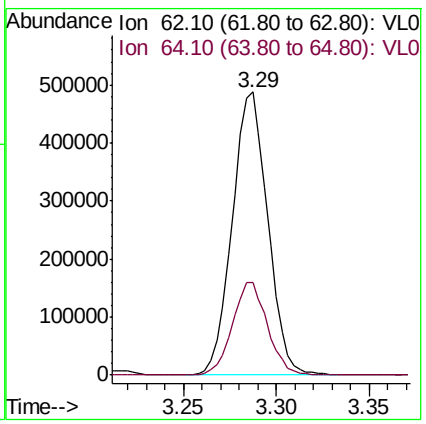


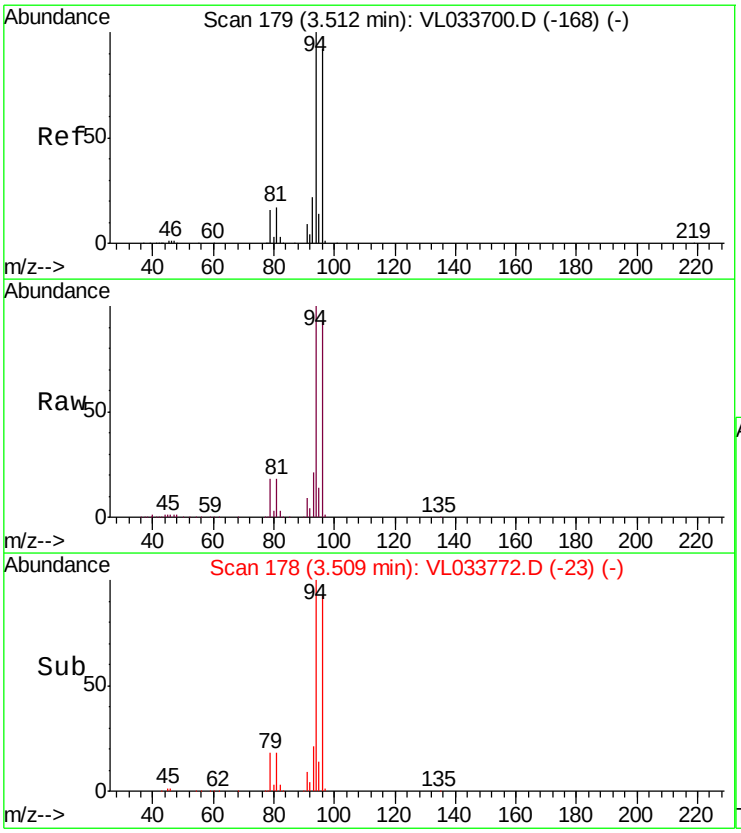
#5
Vinyl Chloride
Concen: 10.554 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 62 Resp: 648042

Ion	Ratio	Lower	Upper
62	100		
64	32.8	26.4	39.6

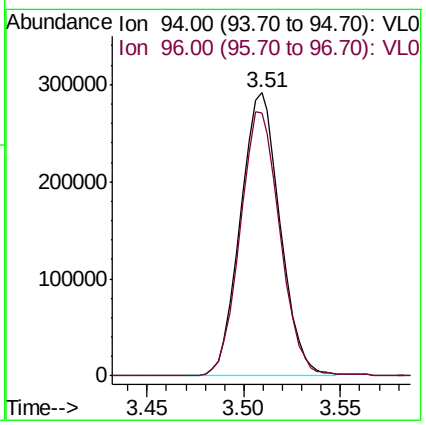


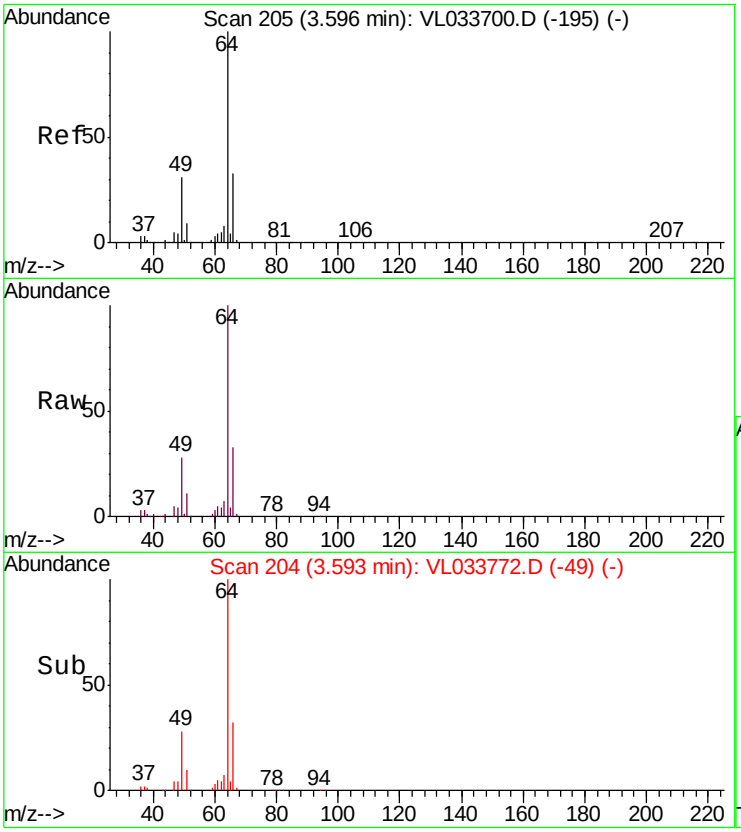


#6
Bromomethane
Concen: 11.123 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 94 Resp: 416734

Ion	Ratio	Lower	Upper
94	100		
96	92.8	73.6	110.4



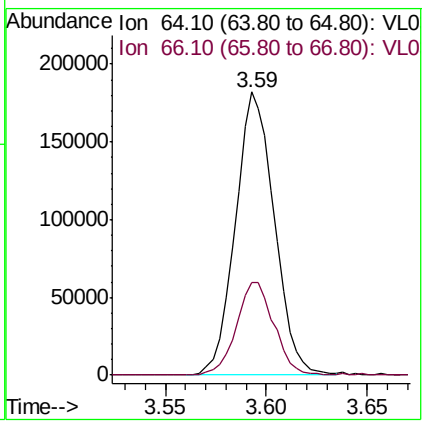


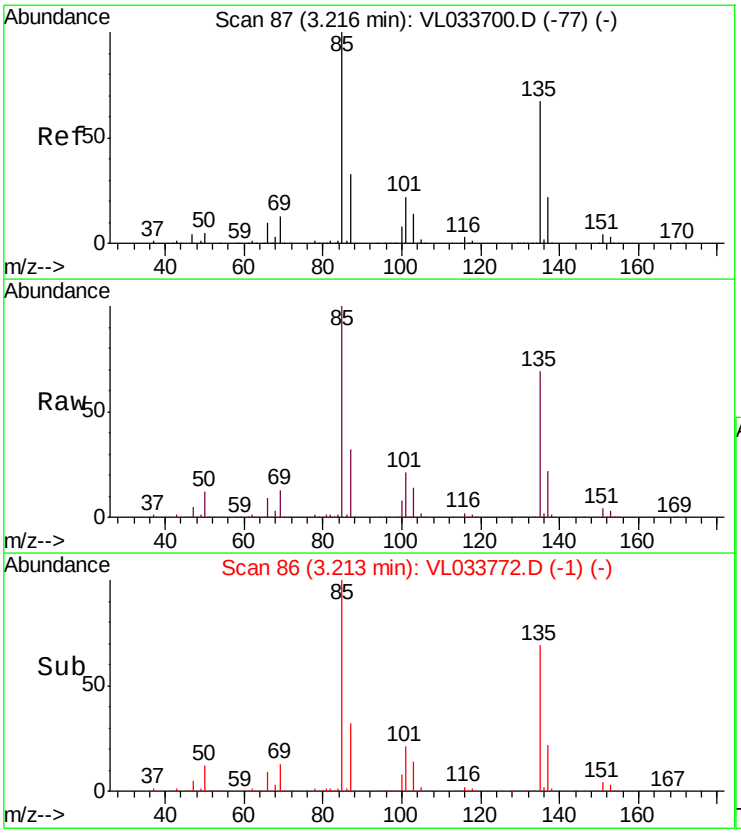
#7
Chloroethane
Concen: 11.310 ppbv
RT: 3.59 min Scan# 204
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 64 Resp: 246802

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.6	40.0

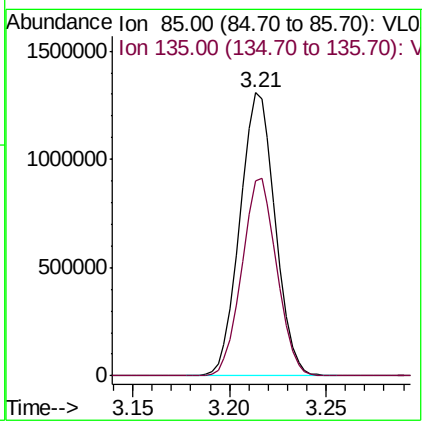


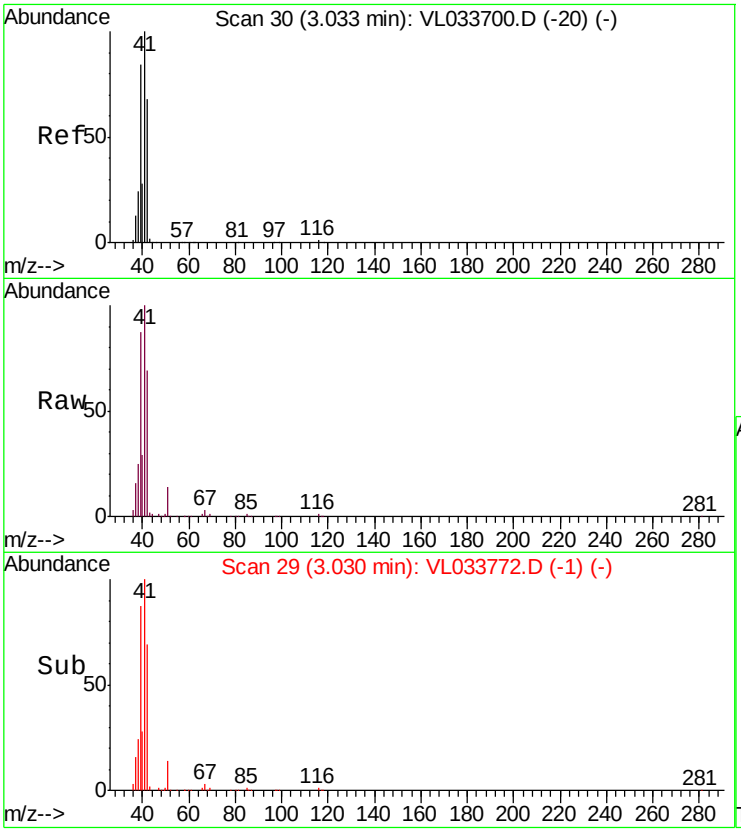


#8
Dichlorotetrafluoroethane
Concen: 10.634 ppbv
RT: 3.21 min Scan# 86
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 85 Resp: 1662322

Ion	Ratio	Lower	Upper
85	100		
135	69.2	54.5	81.7



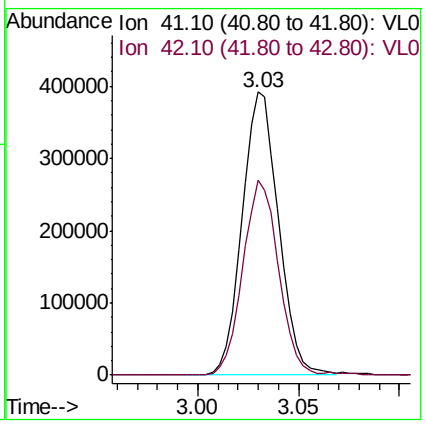


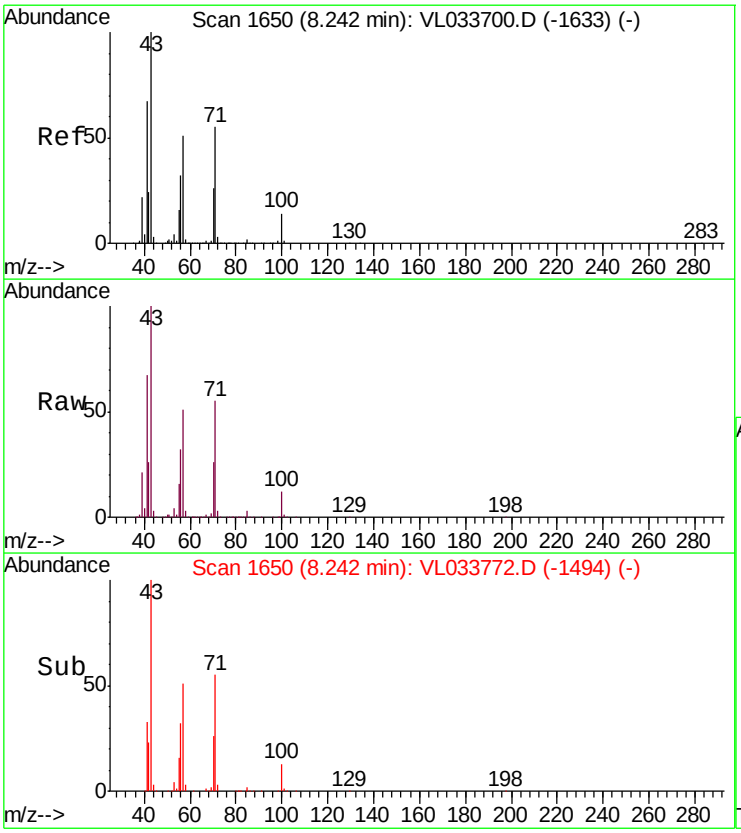
#9
Propene
Concen: 11.092 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 41 Resp: 497215

Ion	Ratio	Lower	Upper
41	100		
42	68.4	56.1	84.1

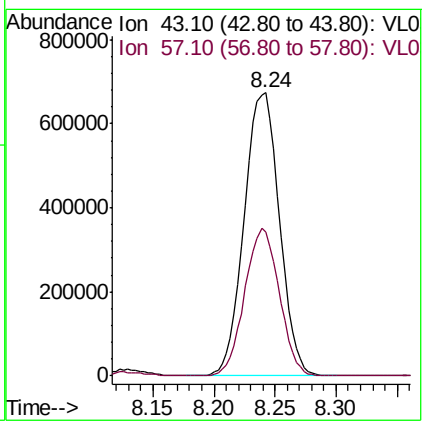


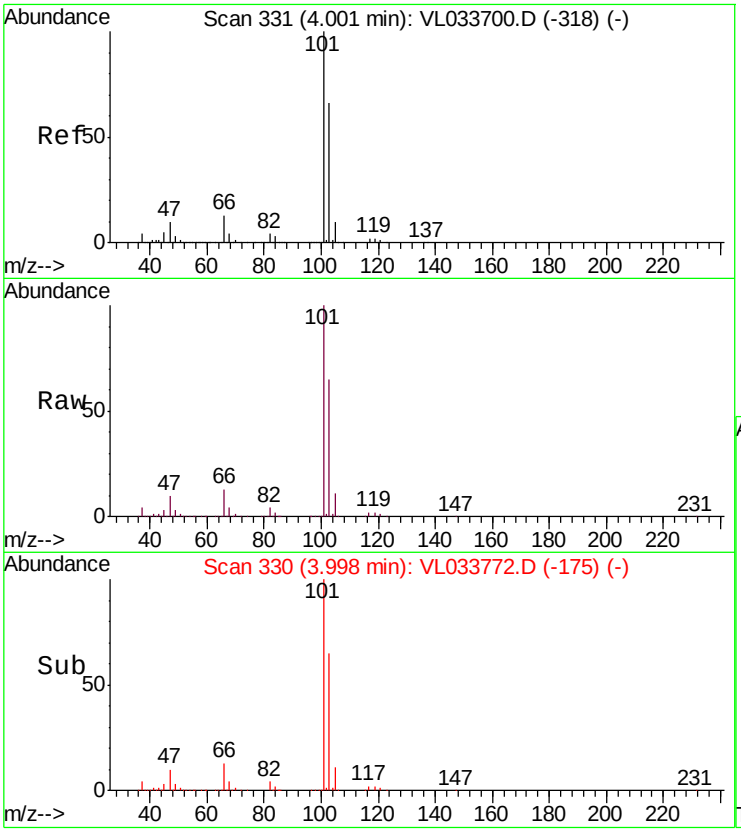


#10
Heptane
Concen: 10.552 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 43 Resp: 1339541

Ion	Ratio	Lower	Upper
43	100		
57	51.4	41.4	62.0



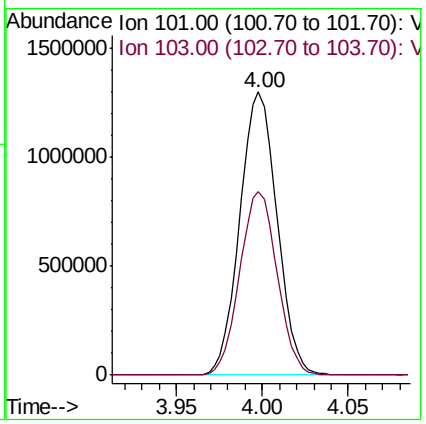


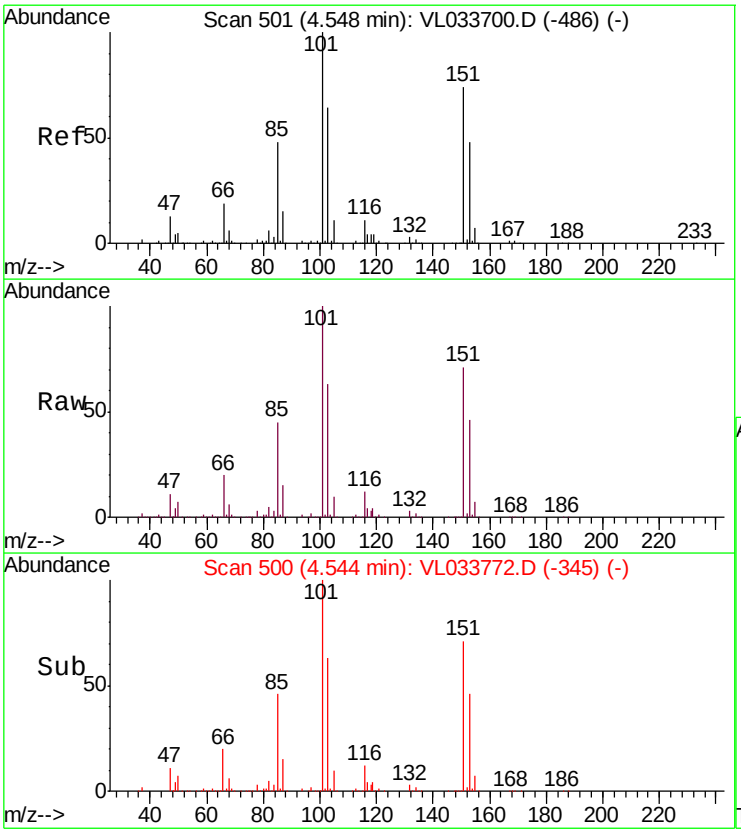
#11
Trichlorofluoromethane
Concen: 10.561 ppbv
RT: 4.00 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion:101 Resp: 1954381

Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	78.8

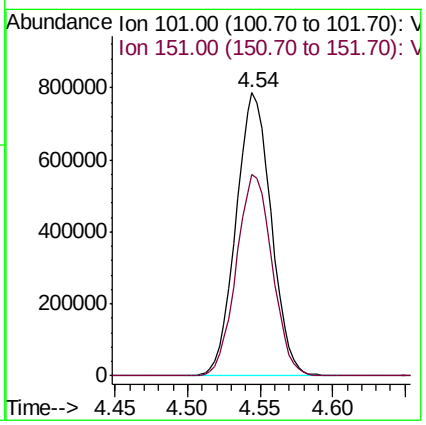


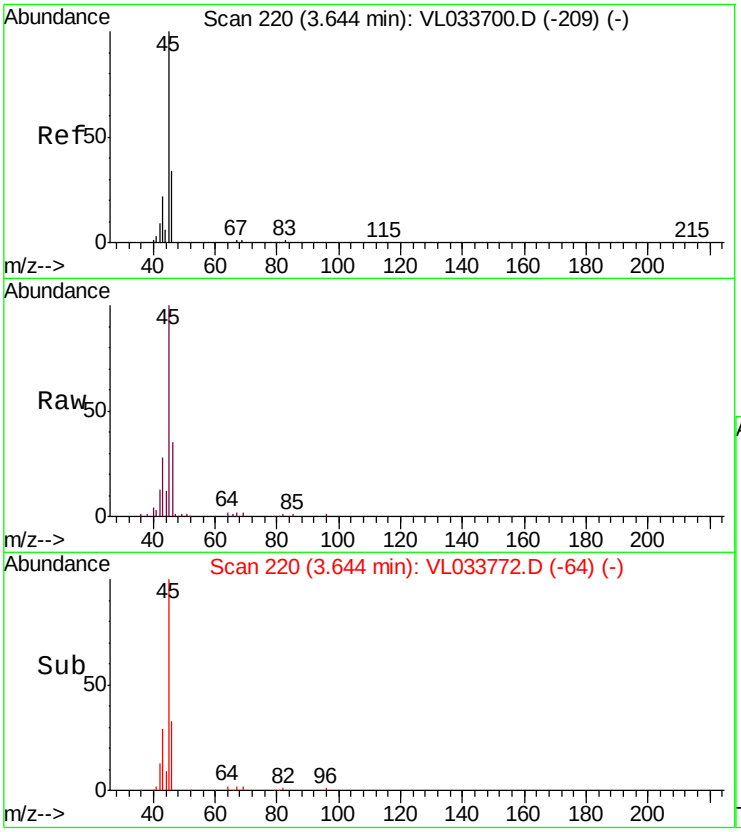


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.289 ppbv
RT: 4.54 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:101 Resp: 1329648

Ion	Ratio	Lower	Upper
101	100		
151	72.3	58.2	87.4



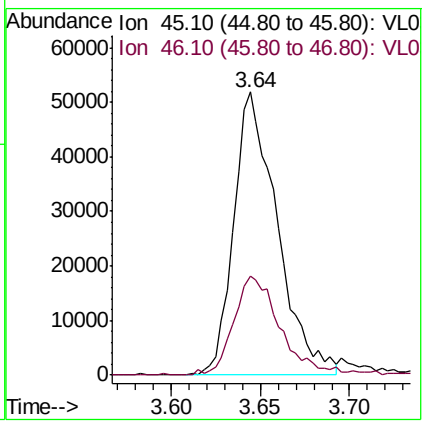


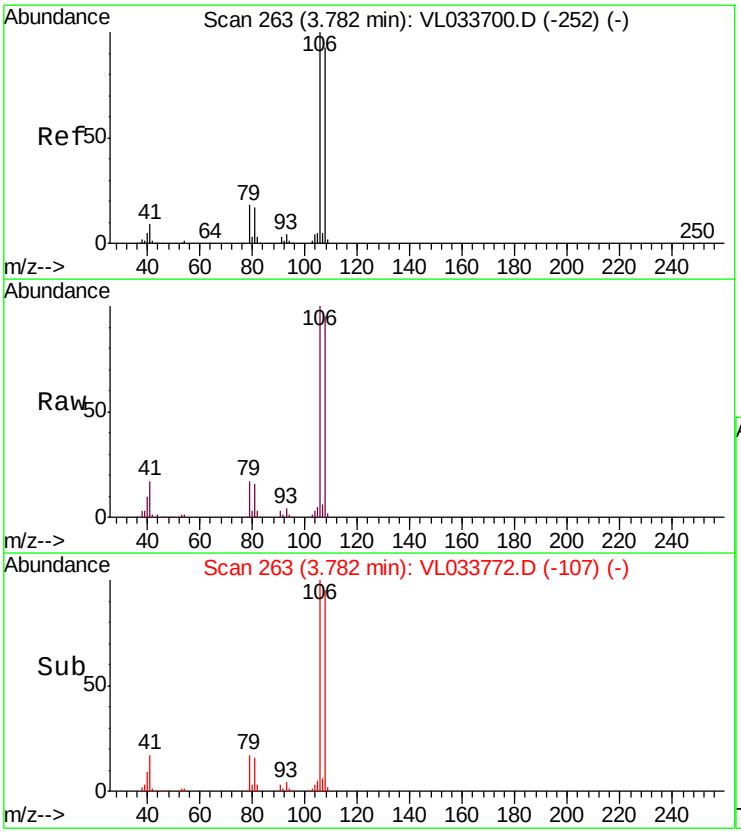
#13
Ethanol
Concen: 6.072 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 45 Resp: 87969

Ion	Ratio	Lower	Upper
45	100		
46	38.5	14.8	59.0

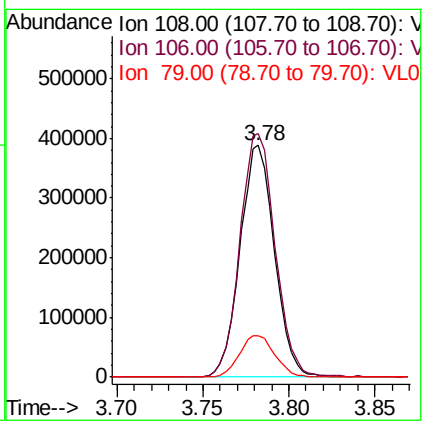


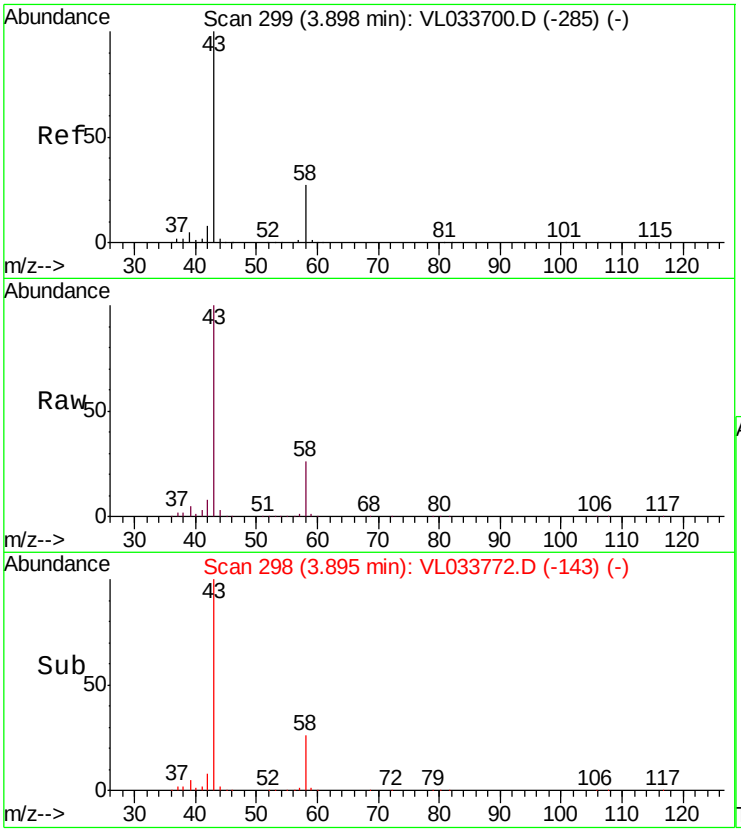


#14
Bromoethene
Concen: 11.397 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:108 Resp: 541490

Ion	Ratio	Lower	Upper
108	100		
106	107.6	86.5	129.7
79	18.4	15.1	22.7



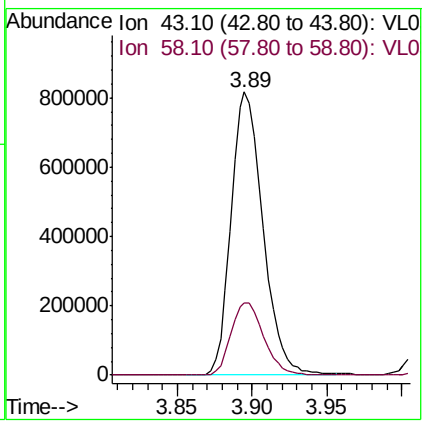


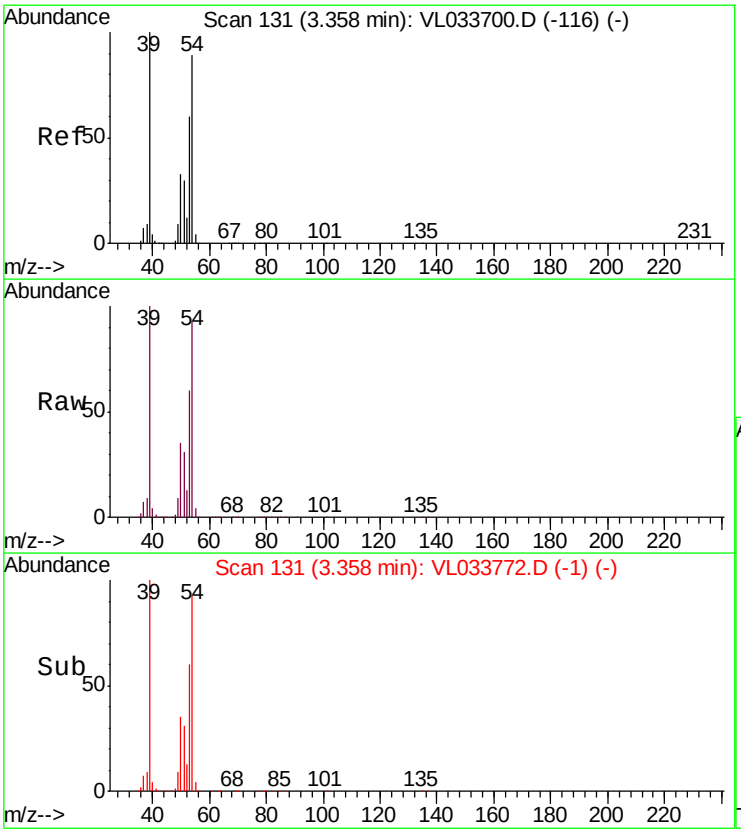
#15
Acetone
Concen: 9.508 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 43 Resp: 1213735

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.3	31.9

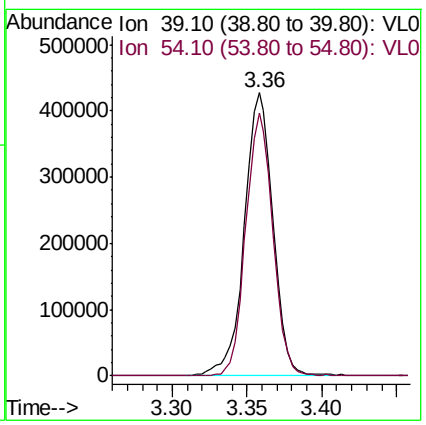


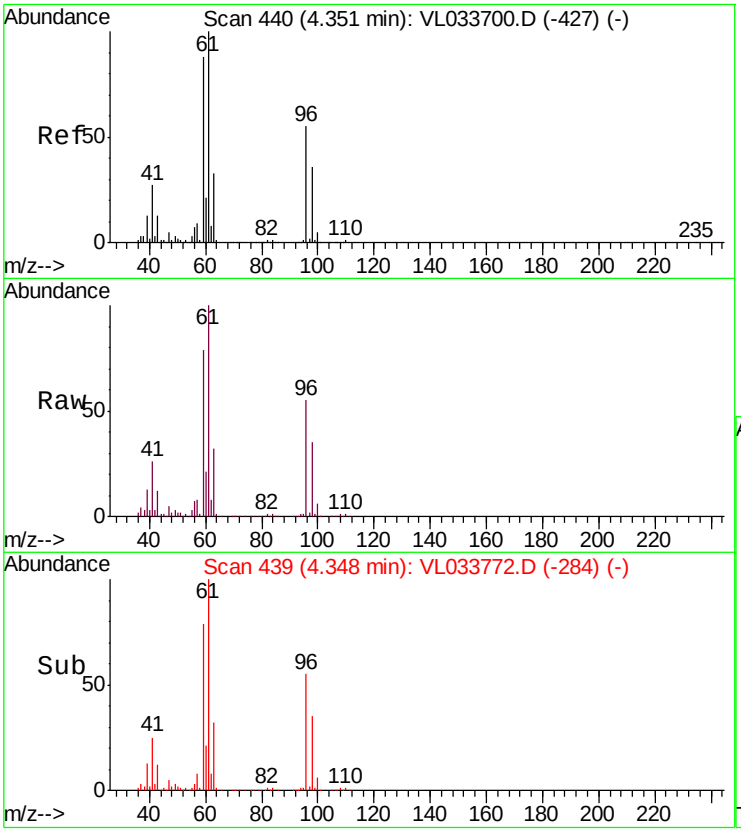


#16
1,3-Butadiene
Concen: 11.178 ppbv
RT: 3.36 min Scan# 131
Delta R.T. 0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 39 Resp: 568223

Ion	Ratio	Lower	Upper
39	100		
54	87.9	69.0	103.6



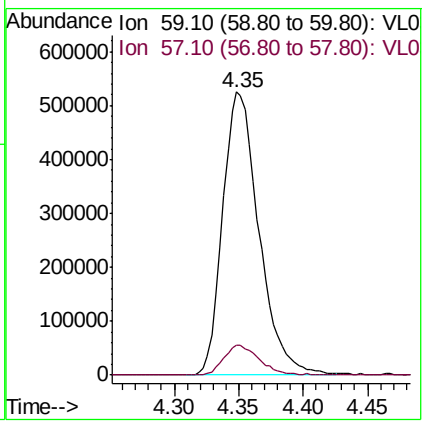


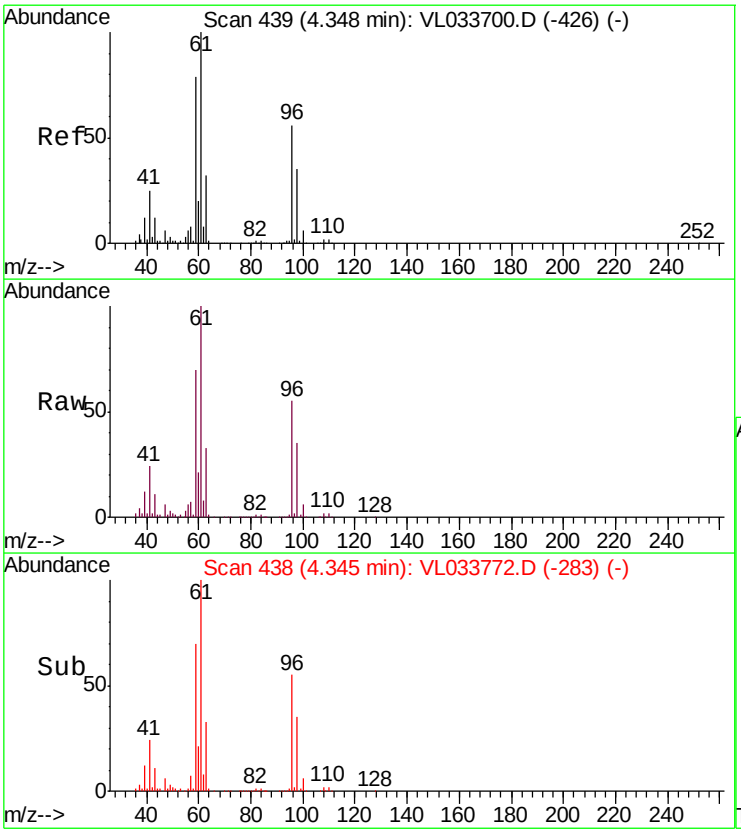
#17
tert-Butyl alcohol
Concen: 9.935 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 59 Resp: 1025529

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

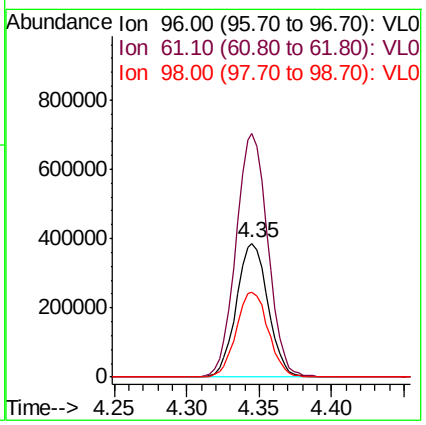


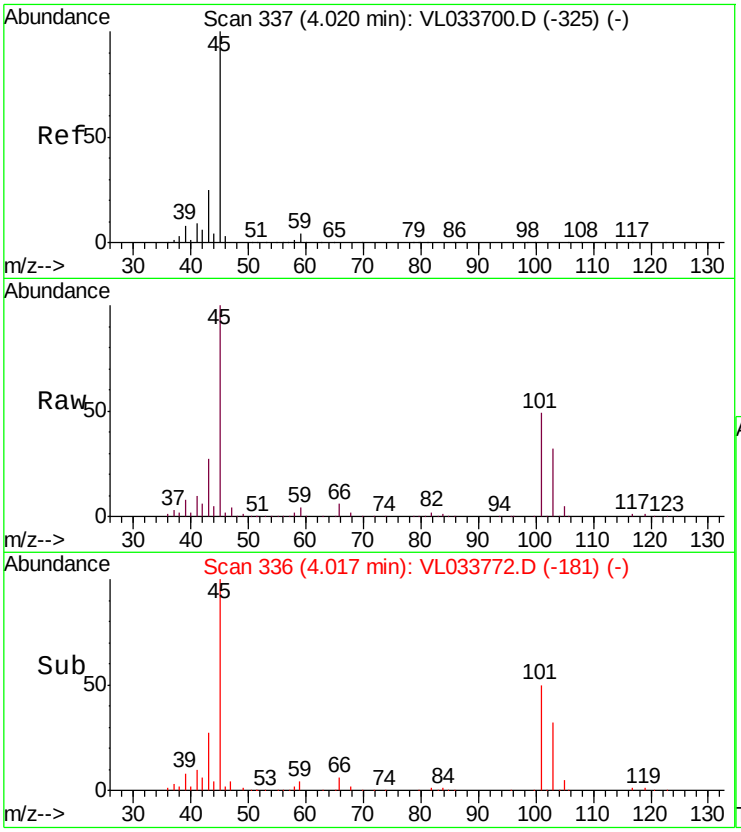


#18
1,1-Dichloroethene
Concen: 10.747 ppbv
RT: 4.35 min Scan# 438
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 96 Resp: 586226

Ion	Ratio	Lower	Upper
96	100		
61	181.7	143.1	214.7
98	63.4	49.5	74.3



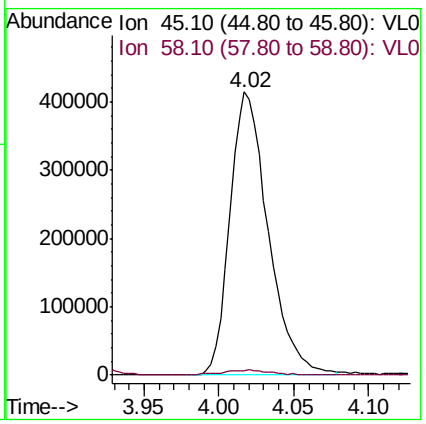


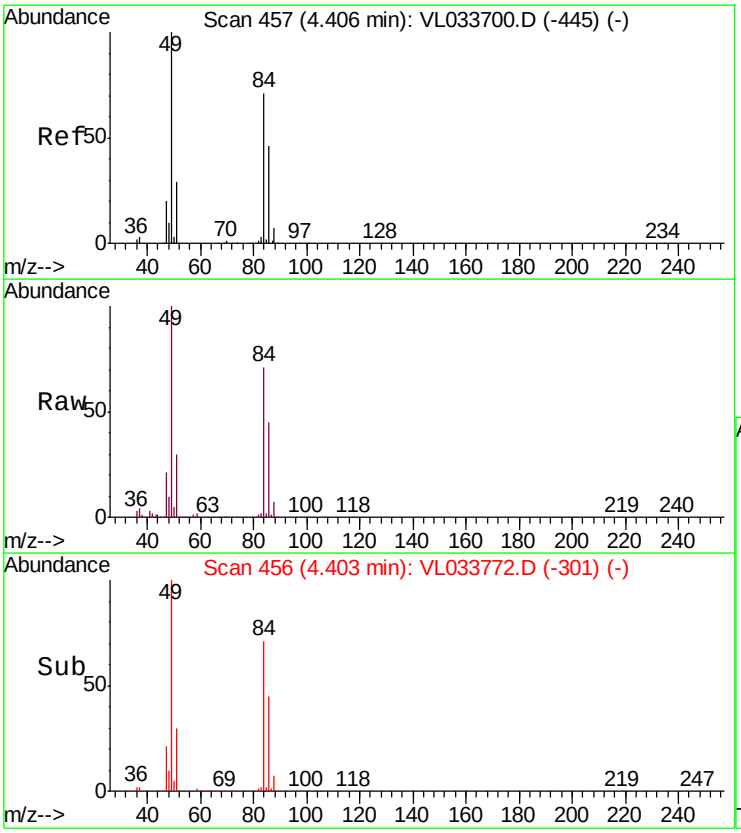
#19
Isopropyl Alcohol
Concen: 8.973 ppbv
RT: 4.02 min Scan# 336
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 45 Resp: 738597

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.6	2.4

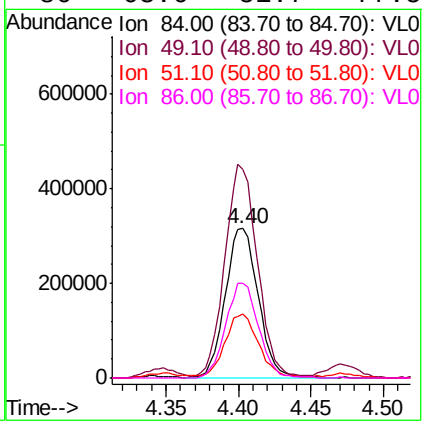


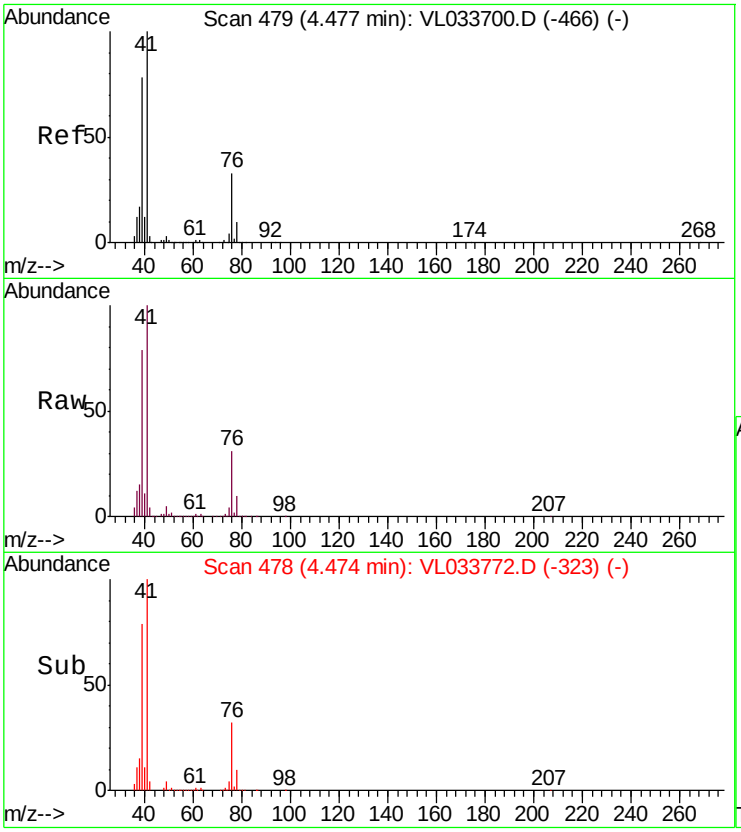


#20
Methylene Chloride
Concen: 10.064 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 84 Resp: 494630

Ion	Ratio	Lower	Upper
84	100		
49	139.0	112.8	169.2
51	41.0	33.4	50.0
86	63.6	51.7	77.5



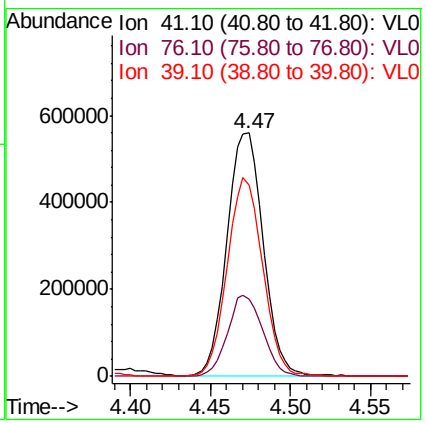


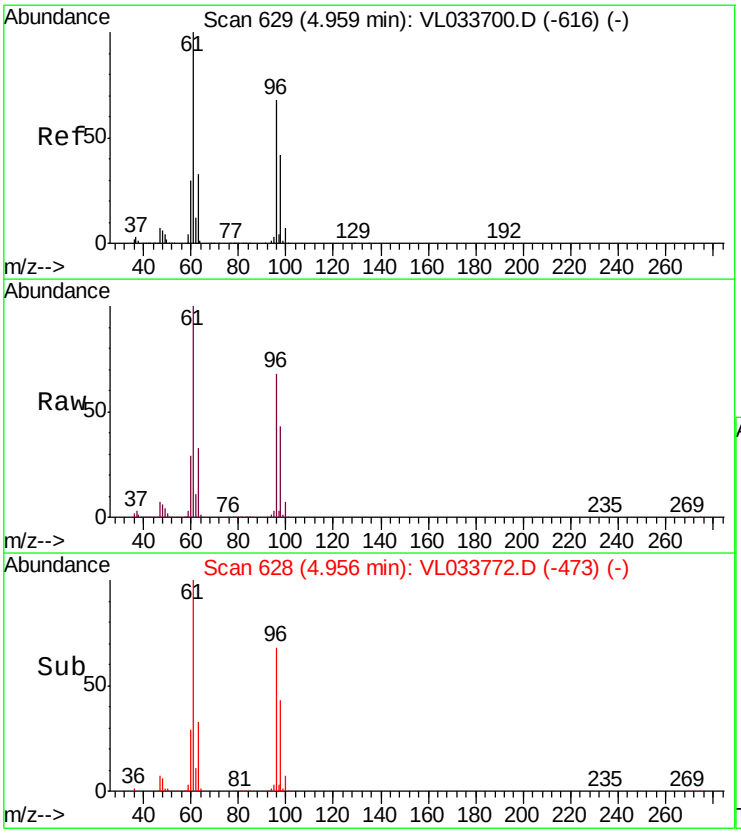
#21
Allyl Chloride
Concen: 10.754 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 41 Resp: 856255

Ion	Ratio	Lower	Upper
41	100		
76	32.5	25.9	38.9
39	80.3	64.6	97.0

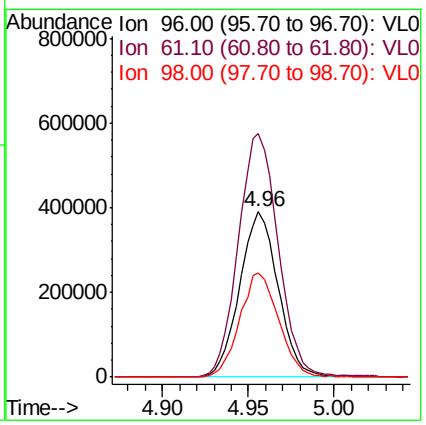


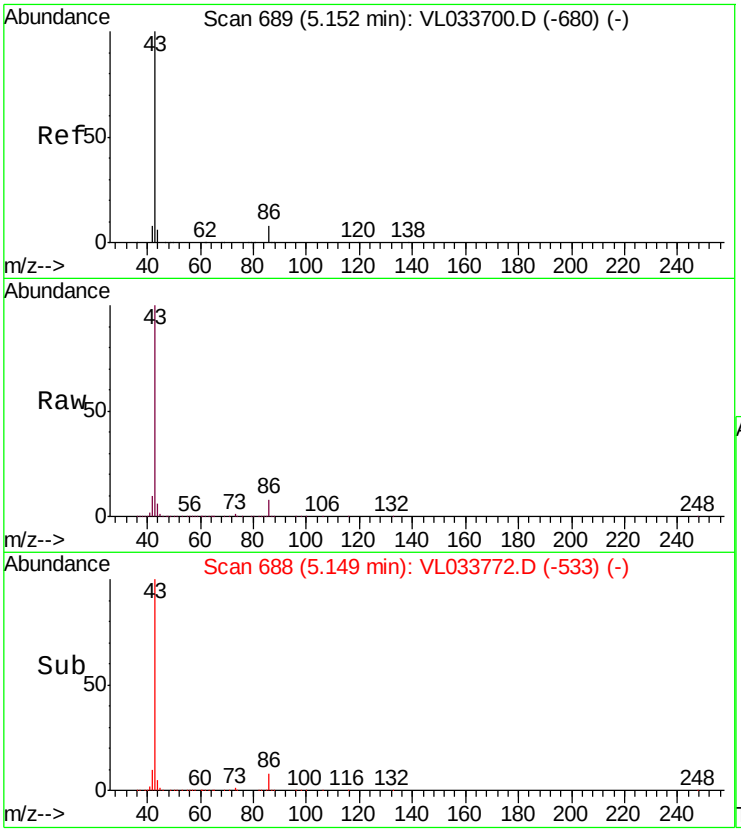


#22
trans-1,2-Dichloroethene
Concen: 10.807 ppbv
RT: 4.96 min Scan# 628
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 96 Resp: 604258

Ion	Ratio	Lower	Upper
96	100		
61	147.4	116.8	175.2
98	63.4	49.4	74.0



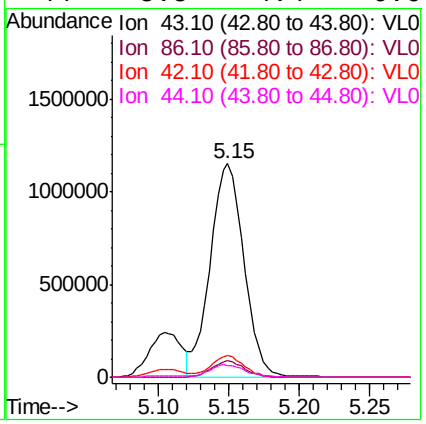


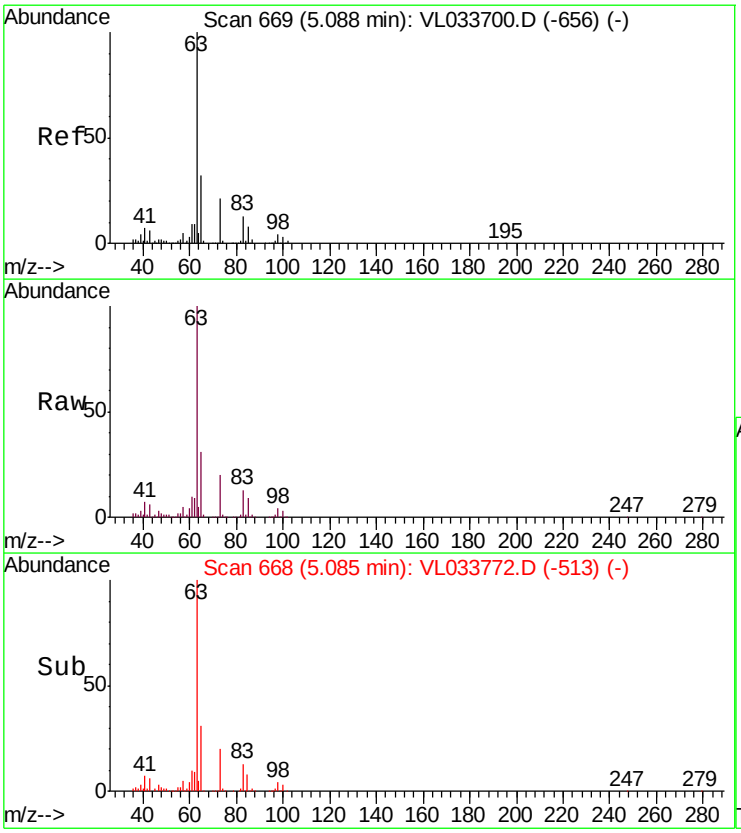
#23
Vinyl Acetate
Concen: 11.337 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 43 Resp: 1908224

Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.0	9.0
42	10.0	7.5	11.3
44	5.5	4.4	6.6

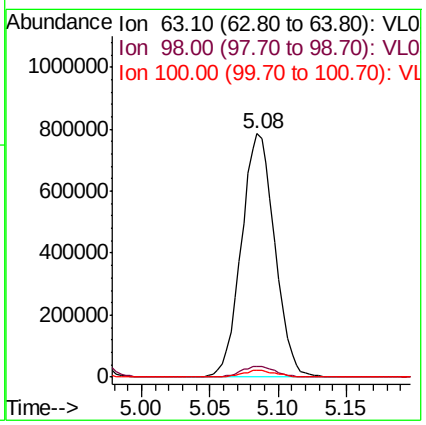


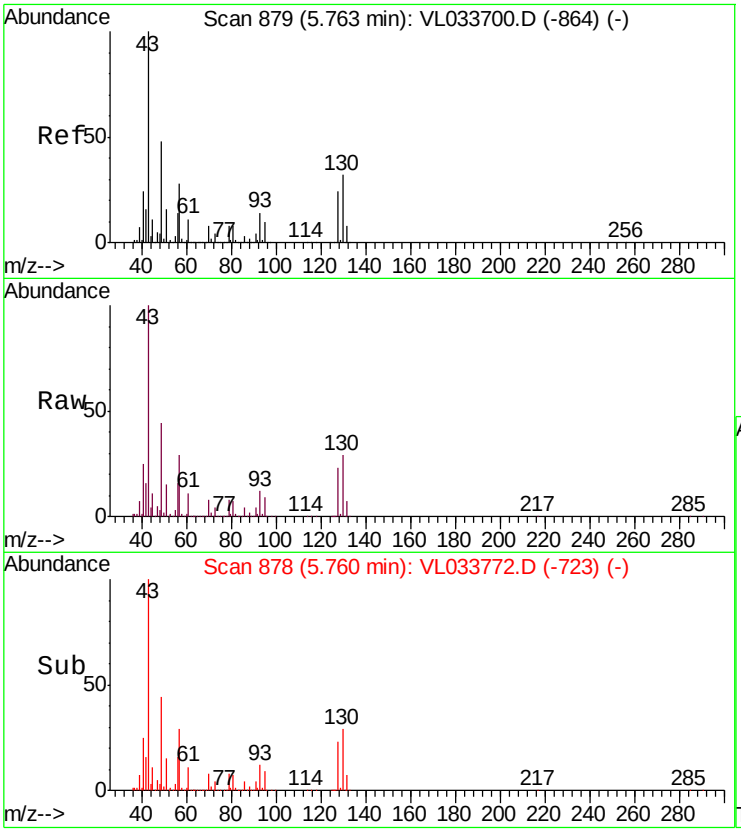


#24
1,1-Dichloroethane
Concen: 10.411 ppbv
RT: 5.08 min Scan# 668
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 63 Resp: 1332070

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.8	5.5
100	2.8	1.4	4.2



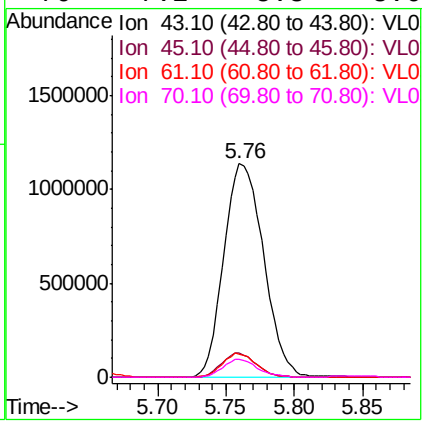


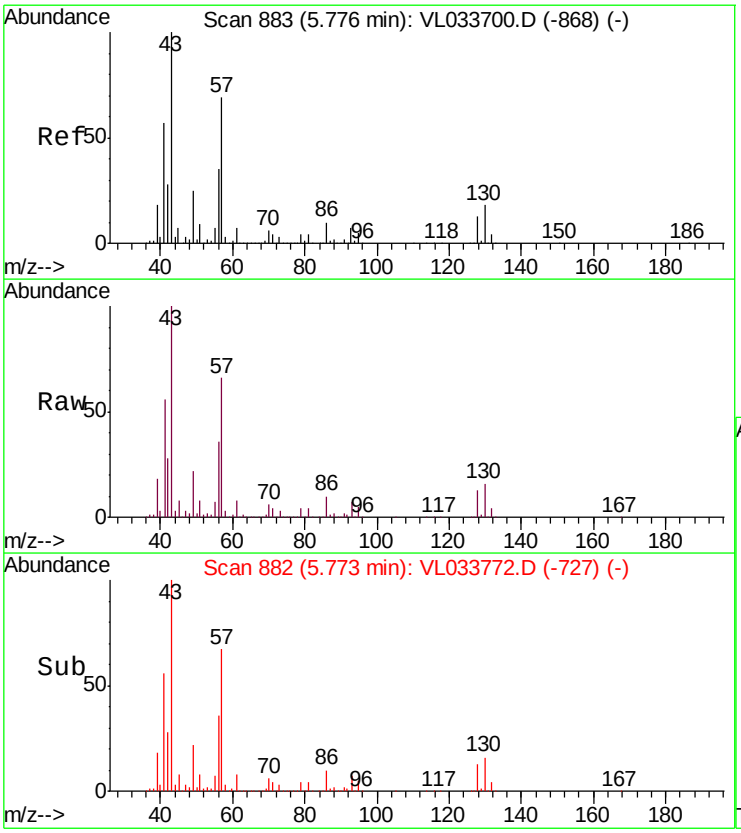
#25
Ethyl Acetate
Concen: 10.239 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 43 Resp: 2296033

Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.8	7.7	11.5
70	7.2	5.8	8.6

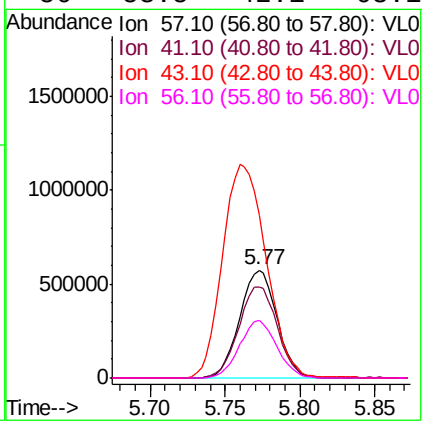


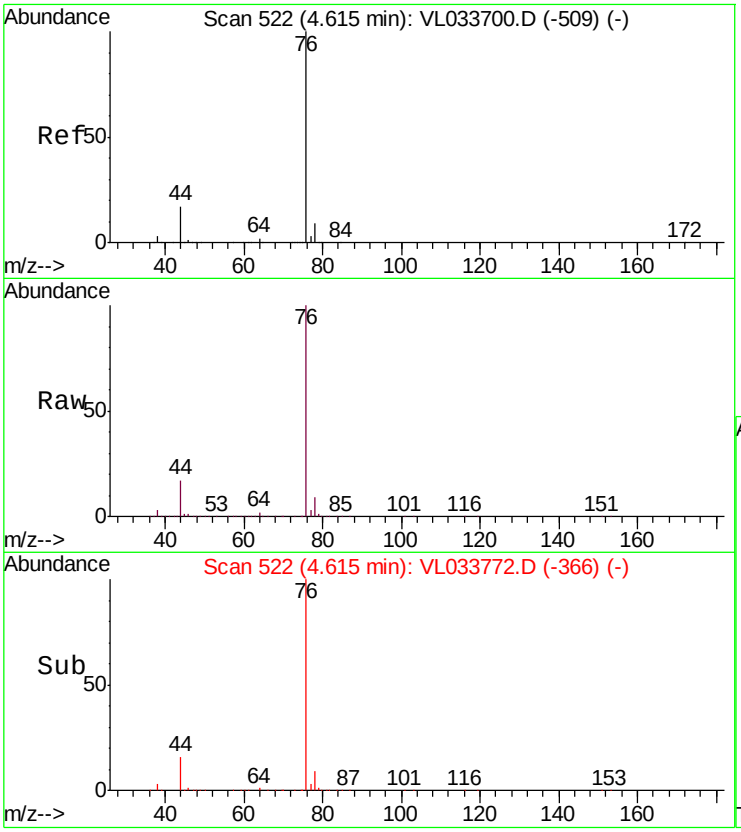


#26
Hexane
Concen: 10.312 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 57 Resp: 994102

Ion	Ratio	Lower	Upper
57	100		
41	87.9	69.8	104.6
43	232.7	181.8	272.6
56	53.5	42.1	63.1



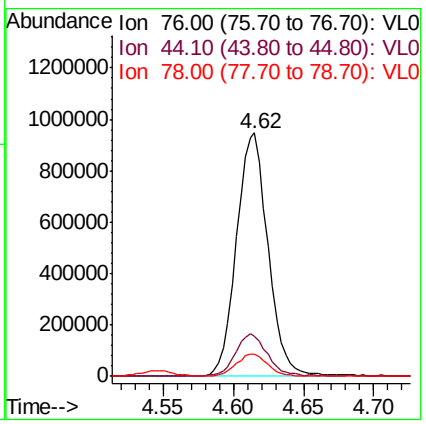


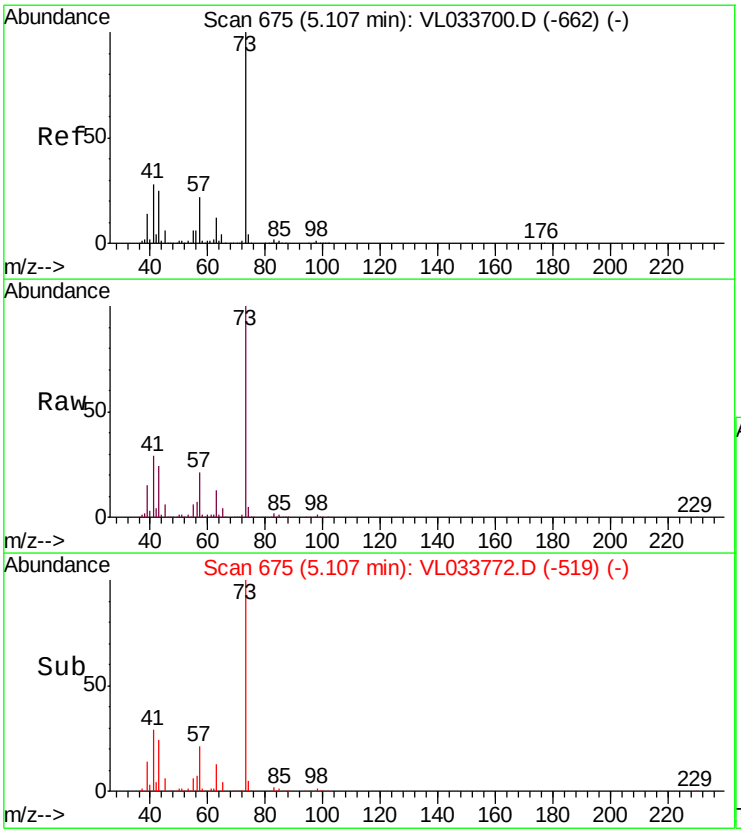
#27
Carbon Disulfide
Concen: 11.216 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 76 Resp: 1483475

Ion	Ratio	Lower	Upper
76	100		
44	17.1	13.8	20.8
78	9.1	7.4	11.0

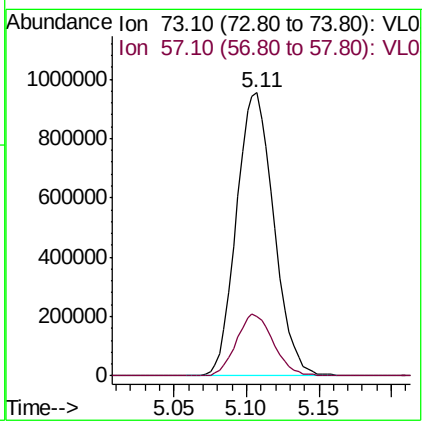


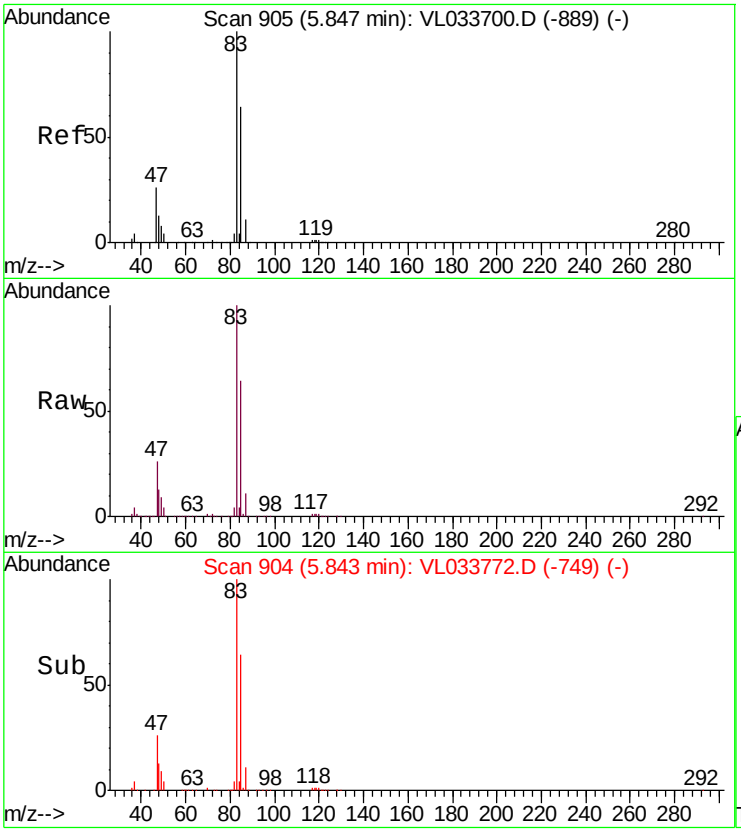


#28
Methyl tert-Butyl Ether
Concen: 10.910 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 73 Resp: 1714626

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



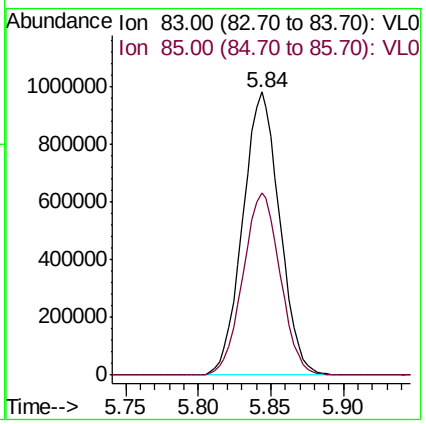


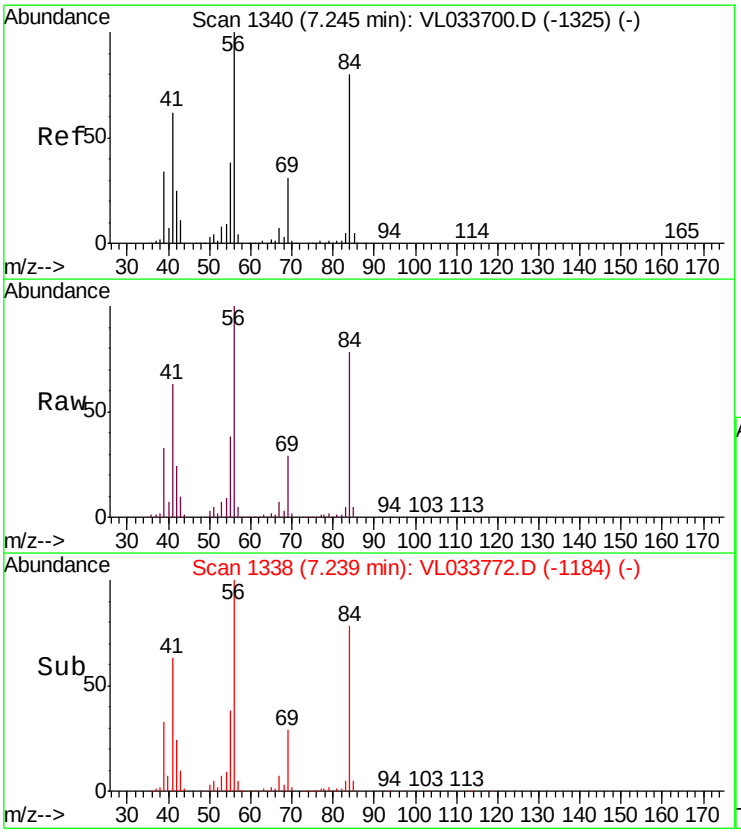
#29
Chloroform
Concen: 9.808 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 83 Resp: 1741776

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3

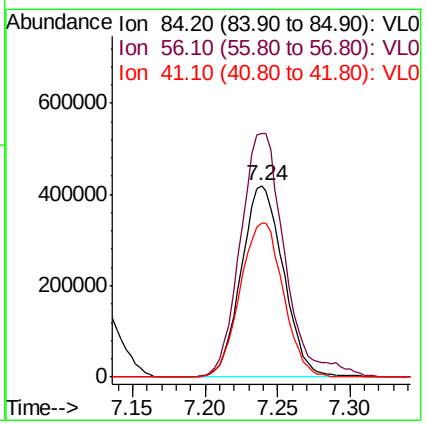


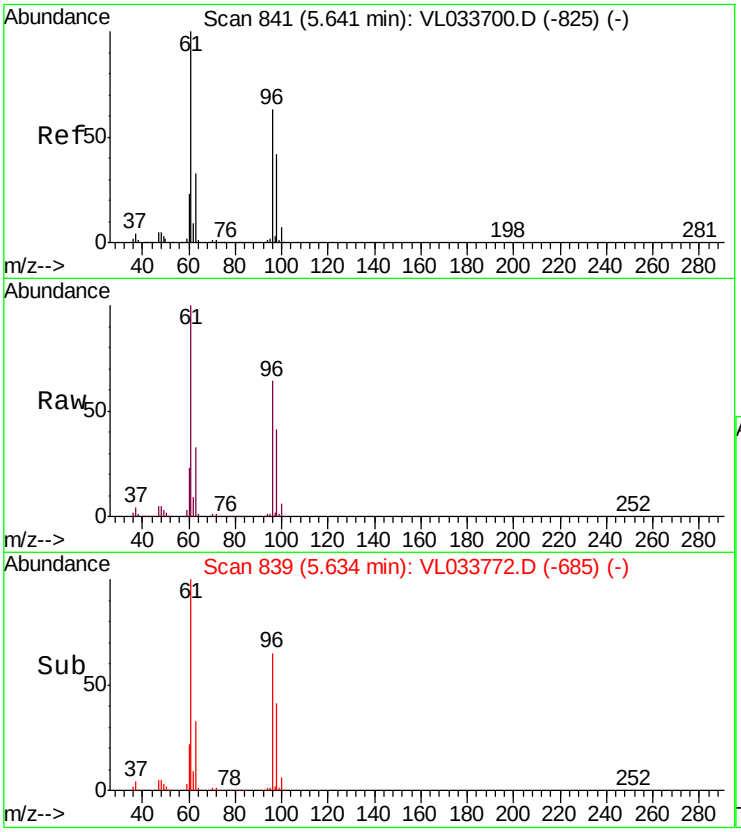


#30
Cyclohexane
Concen: 10.439 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 84 Resp: 846089

Ion	Ratio	Lower	Upper
84	100		
56	135.0	107.7	161.5
41	82.6	66.0	99.0



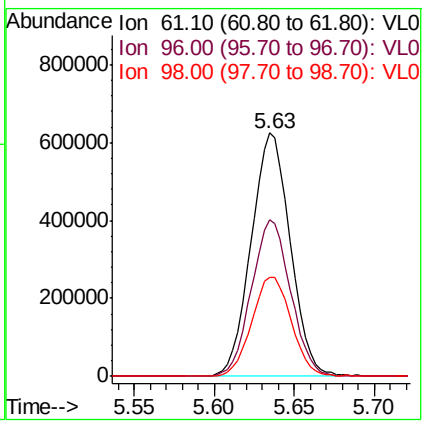


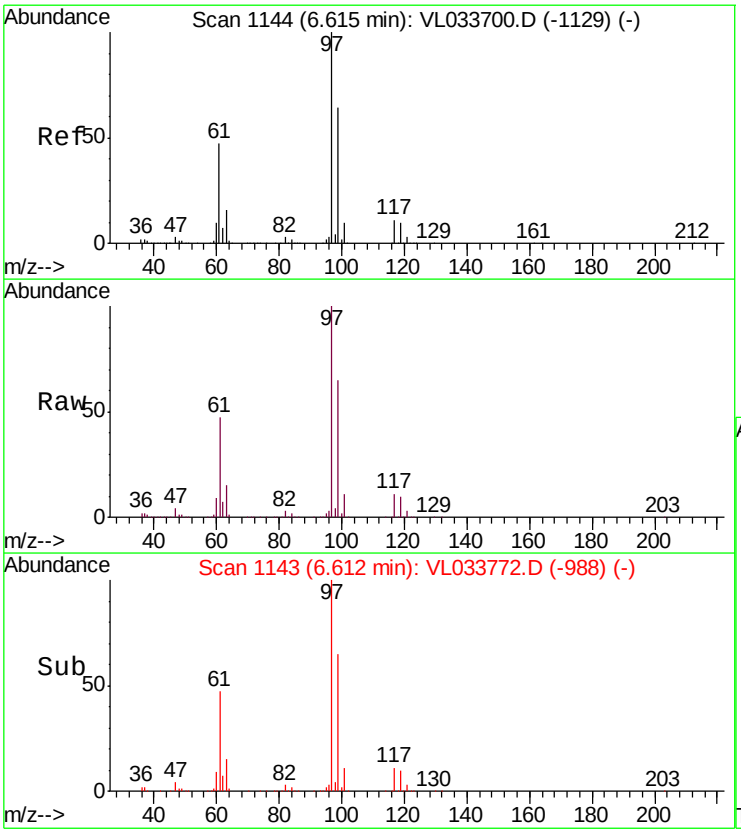
#31
cis-1,2-Dichloroethene
Concen: 10.981 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 61 Resp: 1049630

Ion	Ratio	Lower	Upper
61	100		
96	64.4	50.8	76.2
98	40.5	33.3	49.9

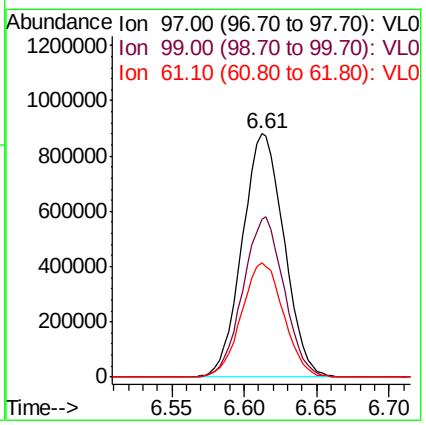


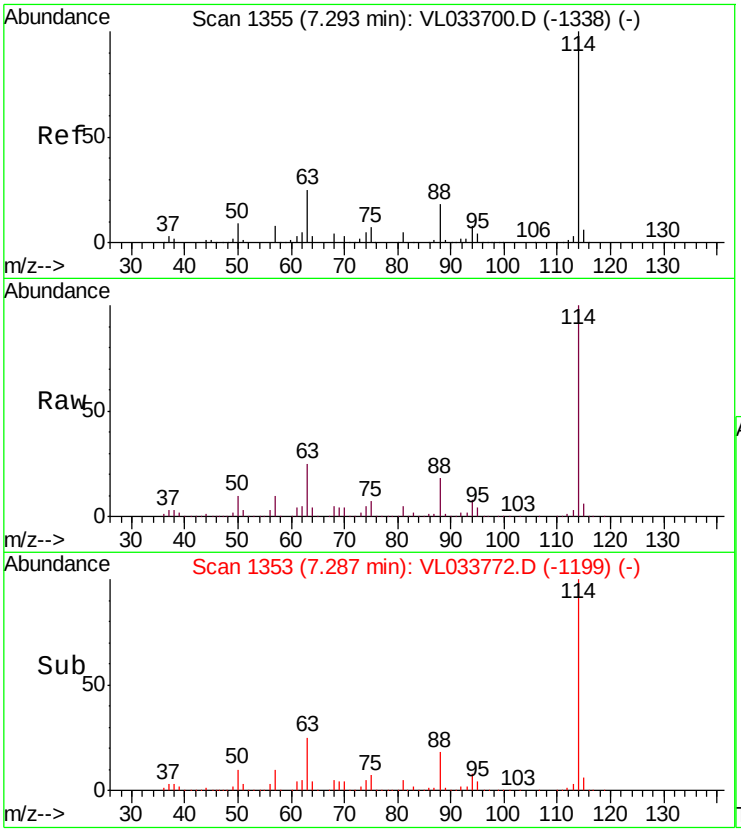


#32
1,1,1-Trichloroethane
Concen: 9.980 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 97 Resp: 1769521

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	47.4	37.8	56.8



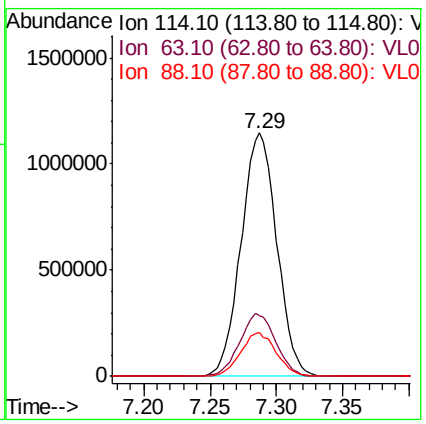


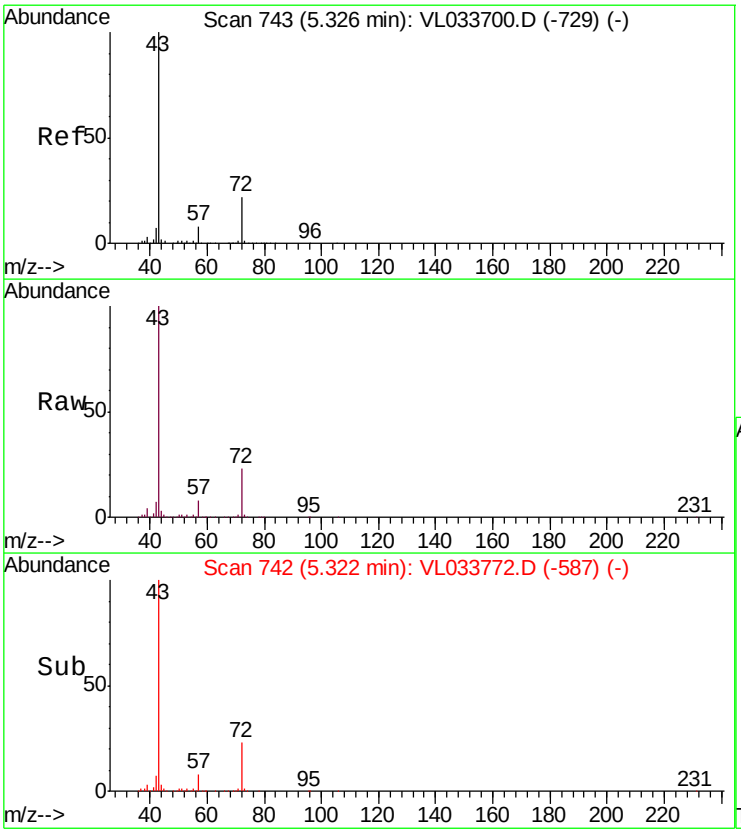
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion:114 Resp: 2153566

Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.9	31.3
88	17.9	14.3	21.5

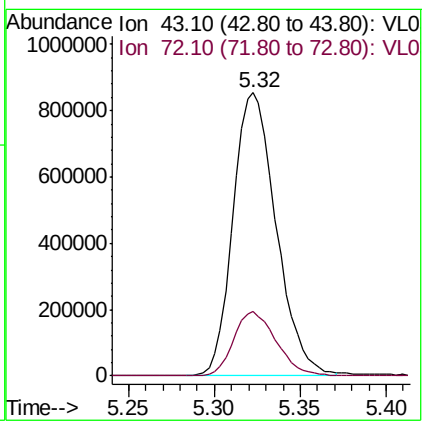


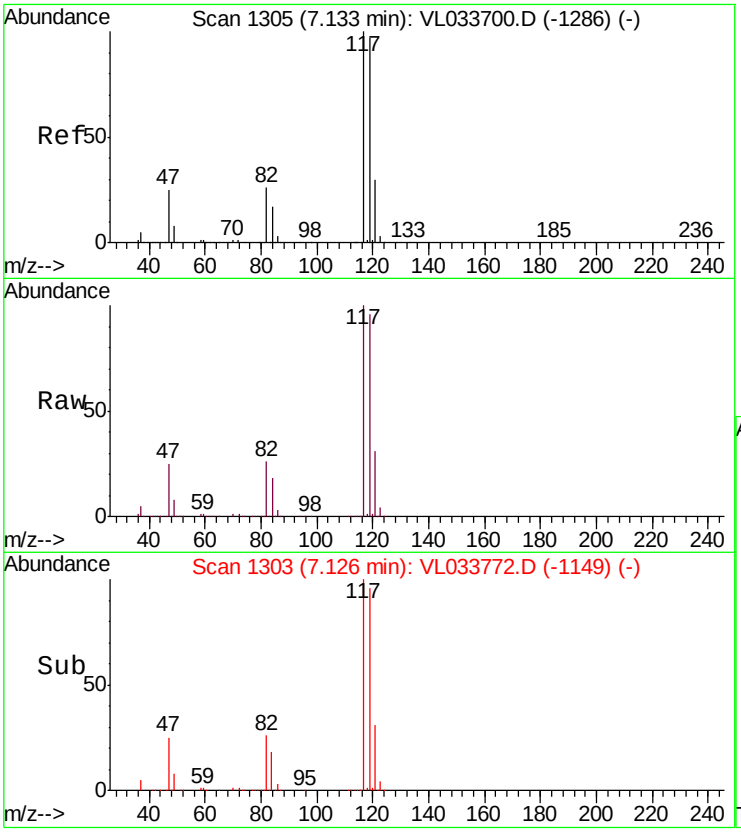


#34
2-Butanone
Concen: 11.146 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 43 Resp: 1487858

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6



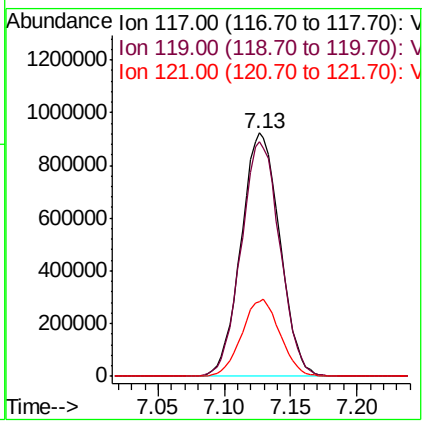


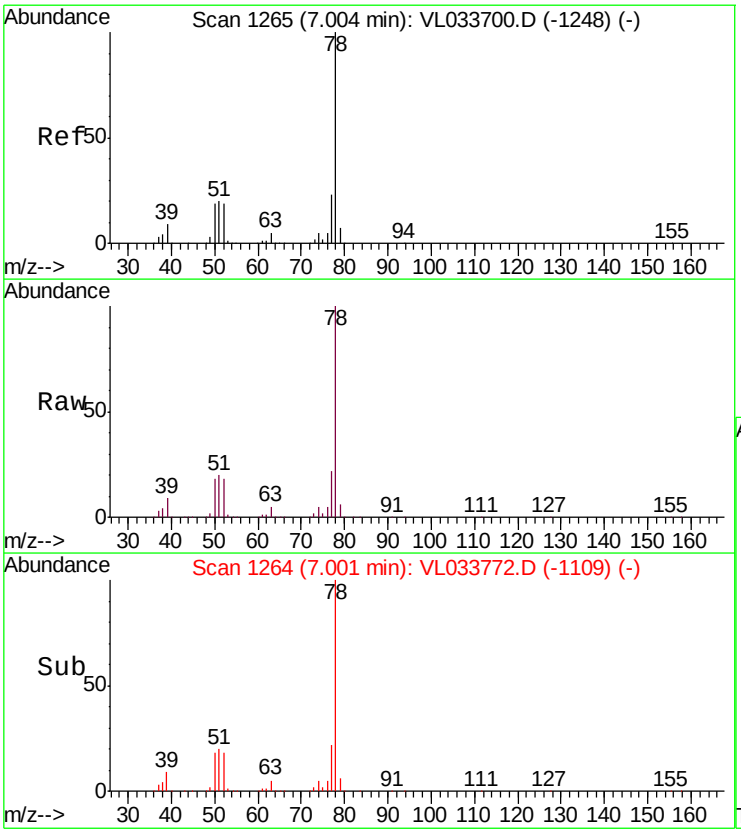
#35
Carbon Tetrachloride
Concen: 10.910 ppbv
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion:117 Resp: 1882094

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.2	115.8
121	30.7	24.1	36.1

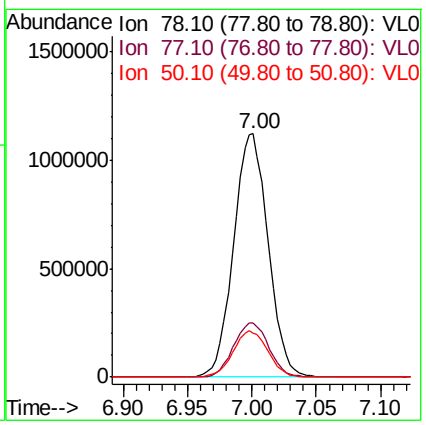


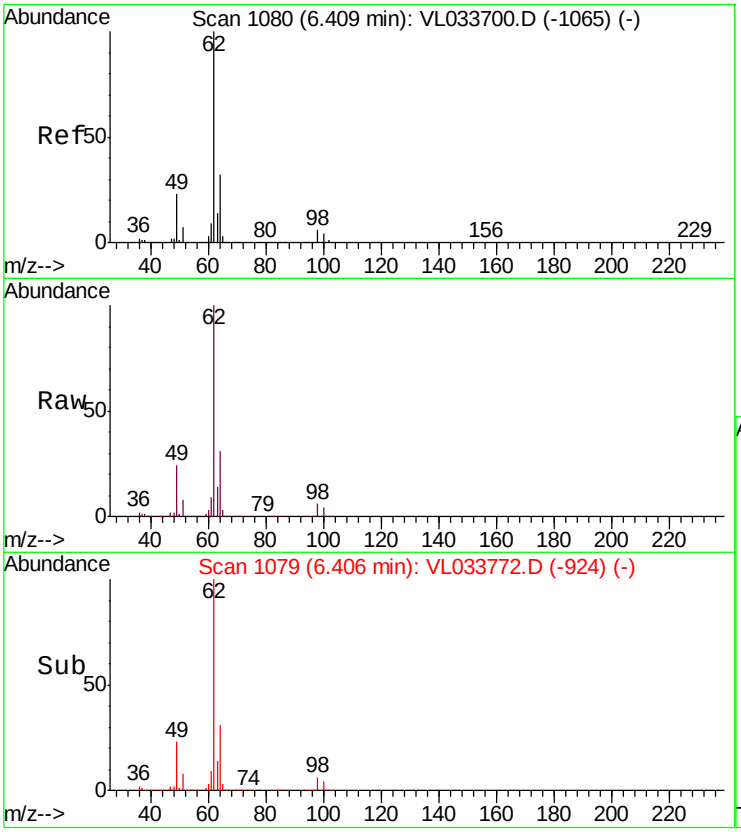


#36
Benzene
Concen: 10.640 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 78 Resp: 2084332

Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.4	27.6
50	18.0	15.5	23.3



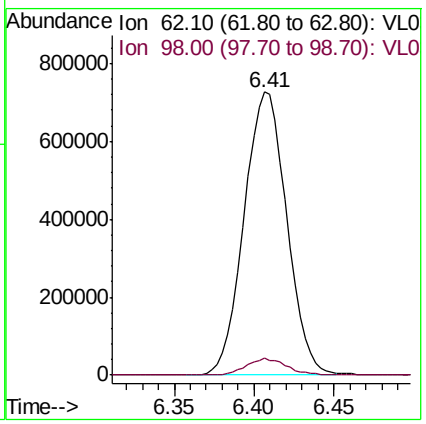


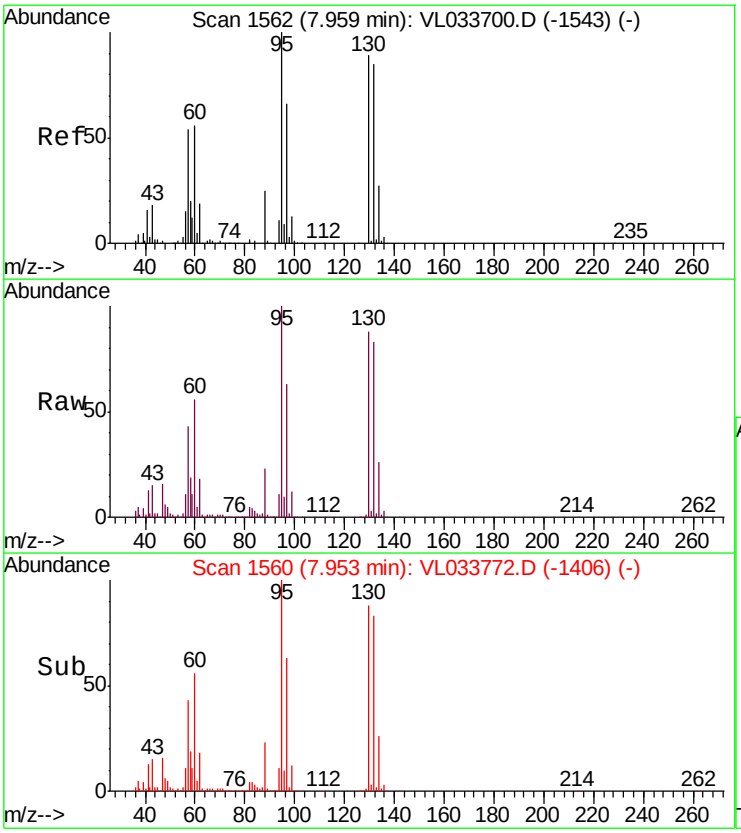
#37
1,2-Dichloroethane
Concen: 10.493 ppbv
RT: 6.41 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 62 Resp: 1325957

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

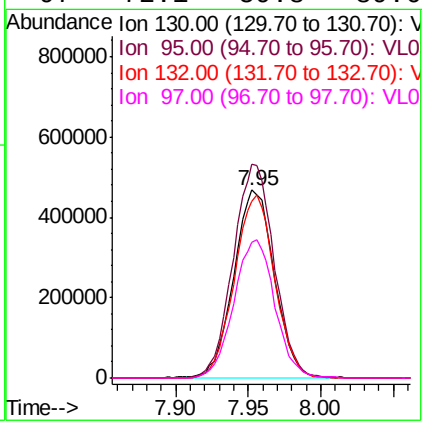


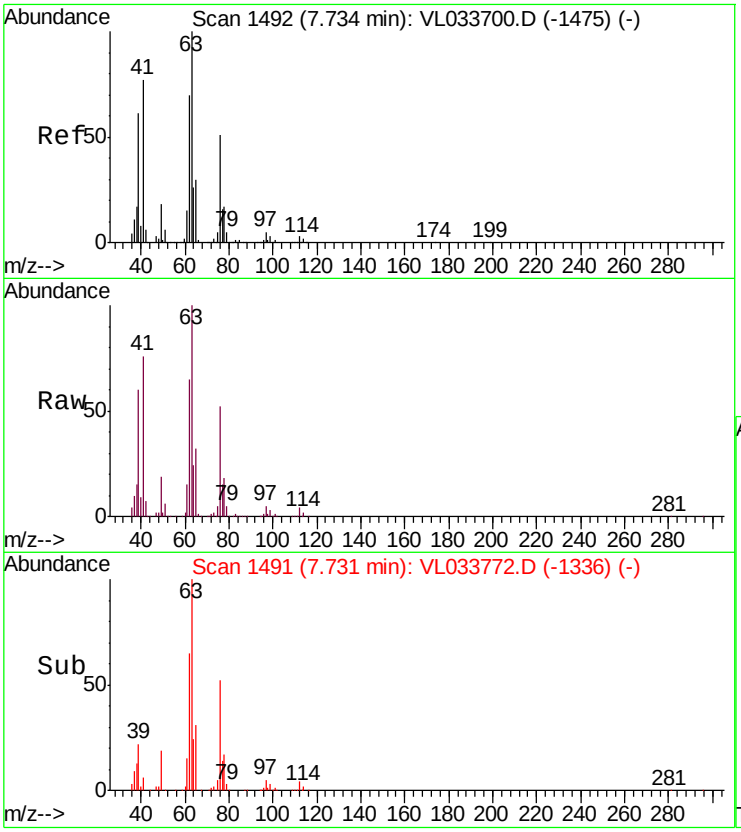


#38
Trichloroethene
Concen: 12.489 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:130 Resp: 907814

Ion	Ratio	Lower	Upper
130	100		
95	113.8	90.2	135.4
132	93.9	76.4	114.6
97	72.1	59.8	89.6



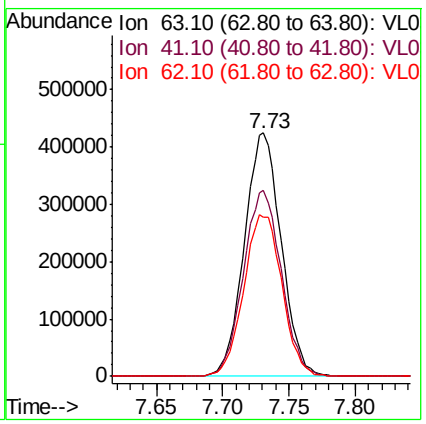


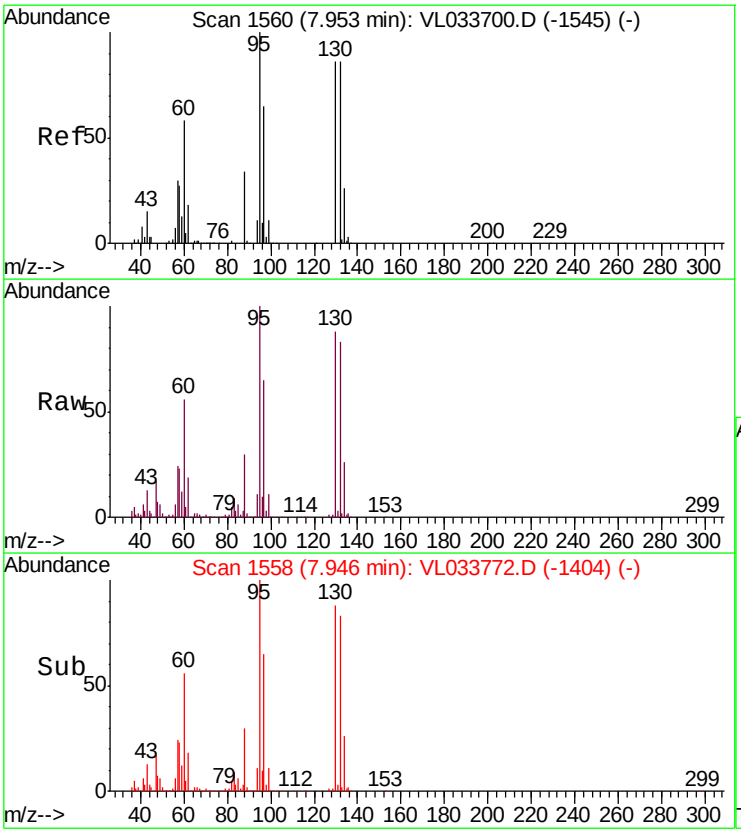
#39
1,2-Dichloropropane
Concen: 11.258 ppbv
RT: 7.73 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 63 Resp: 822222

Ion	Ratio	Lower	Upper
63	100		
41	76.2	61.5	92.3
62	65.3	56.2	84.4

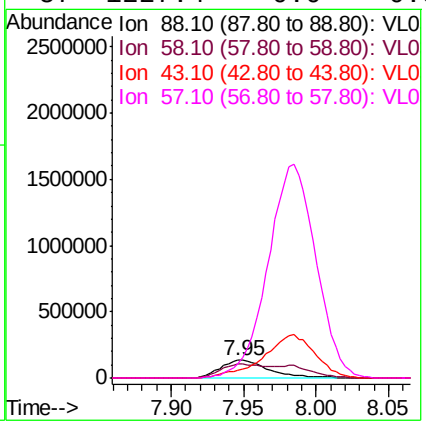


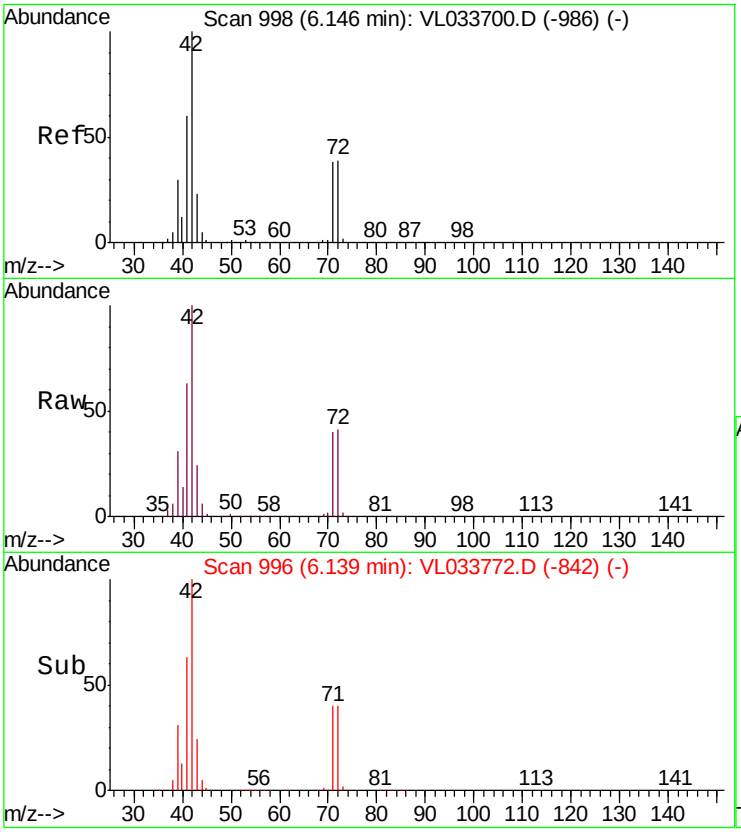


#40
1,4-Dioxane
Concen: 9.920 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 88 Resp: 303072

Ion	Ratio	Lower	Upper
88	100		
58	131.8	101.8	152.6
43	268.1	0.0	0.0#
57	1227.4	0.0	0.0#



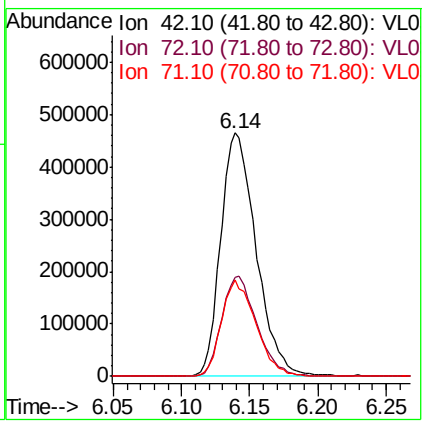


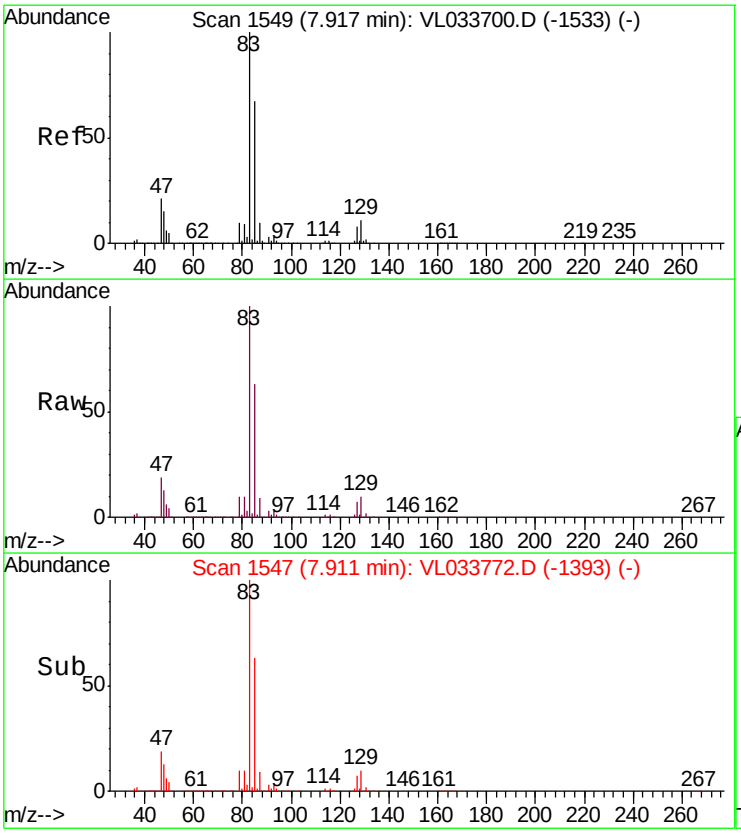
#41
Tetrahydrofuran
Concen: 11.216 ppbv
RT: 6.14 min Scan# 996
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 42 Resp: 838850

Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.0	48.0
71	38.7	30.4	45.6

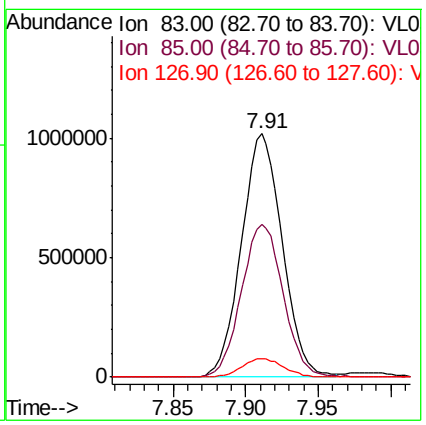


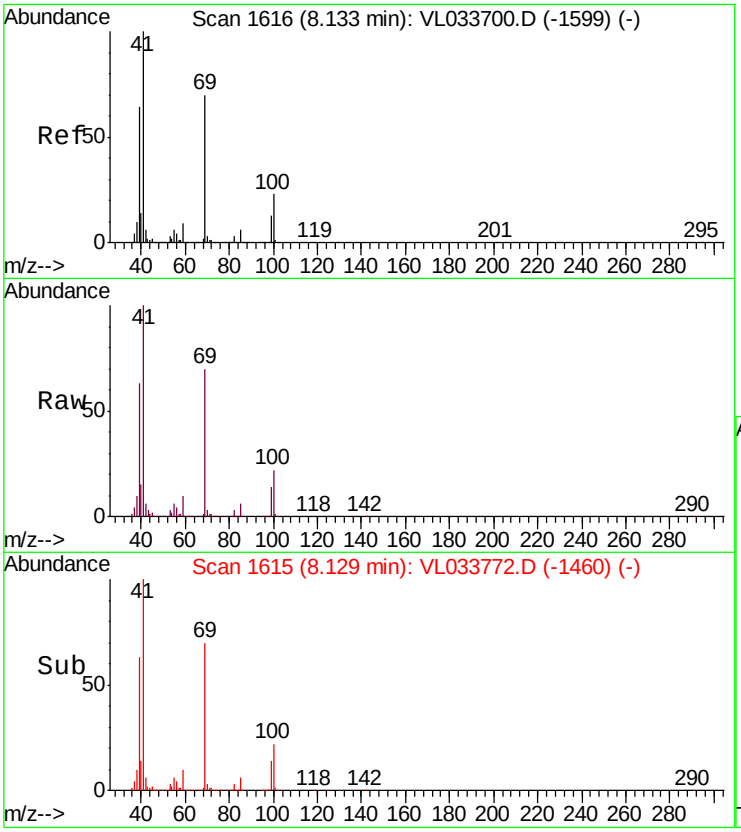


#42
Bromodichloromethane
Concen: 11.550 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 83 Resp: 1998217

Ion	Ratio	Lower	Upper
83	100		
85	62.8	53.3	79.9
127	7.4	6.5	9.7



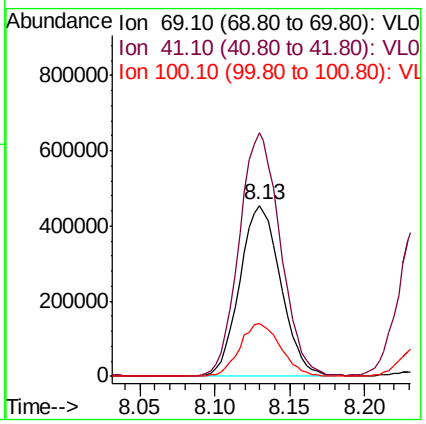


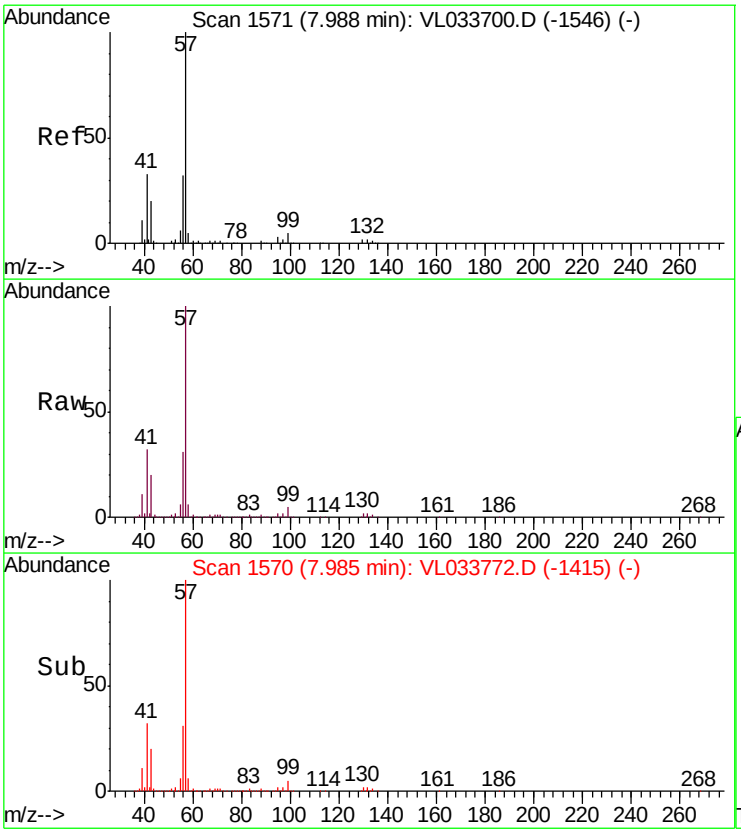
#43
Methyl Methacrylate
Concen: 12.041 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 69 Resp: 868093

Ion	Ratio	Lower	Upper
69	100		
41	143.3	116.3	174.5
100	30.9	25.3	37.9

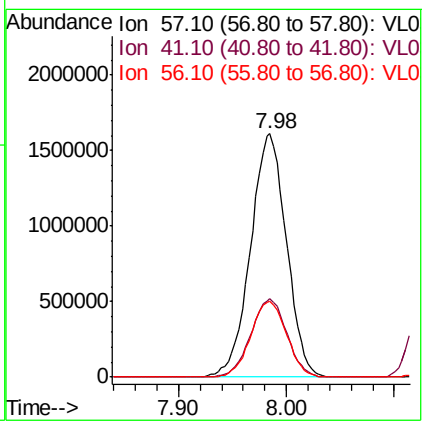


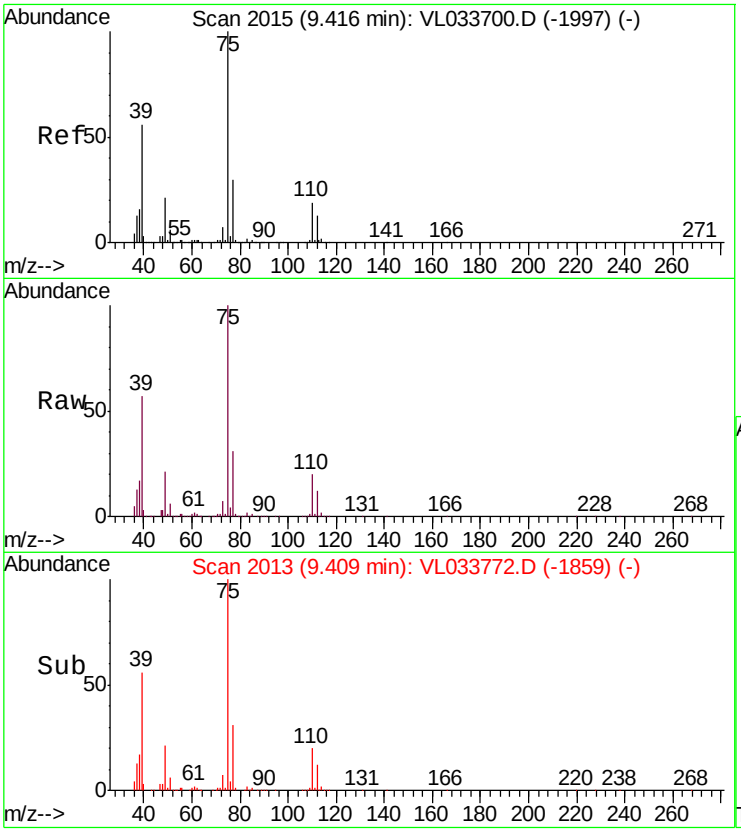


#44
2,2,4-Trimethylpentane
Concen: 11.217 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 57 Resp: 3713670

Ion	Ratio	Lower	Upper
57	100		
41	32.2	25.4	38.0
56	31.1	24.7	37.1



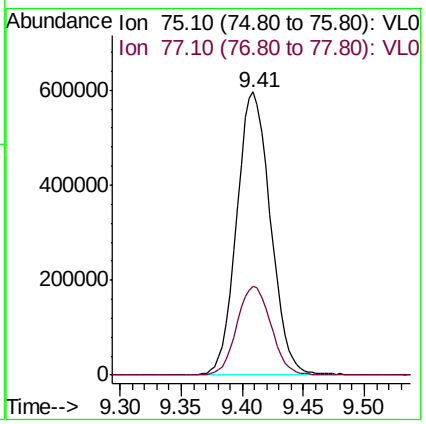


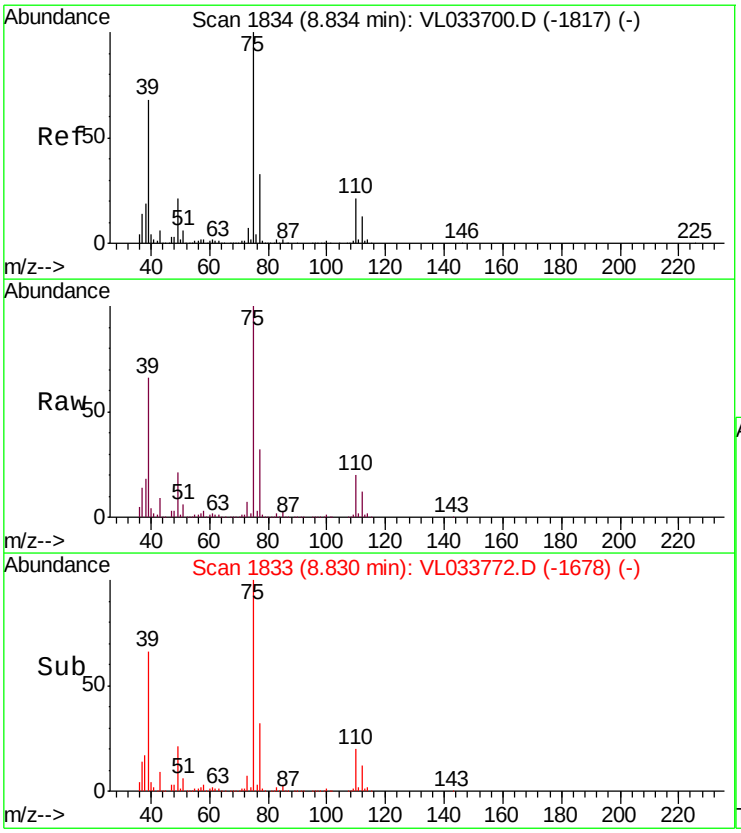
#45
t-1,3-Dichloropropene
Concen: 12.493 ppbv
RT: 9.41 min Scan# 2013
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 75 Resp: 1141808

Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.4	36.6

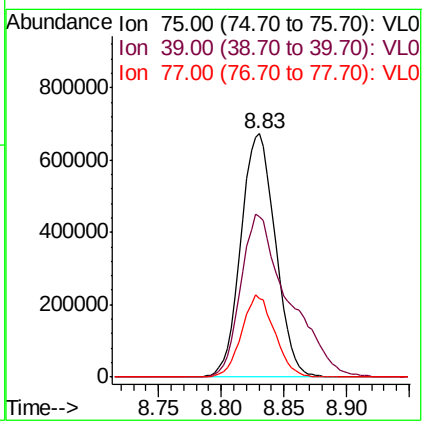


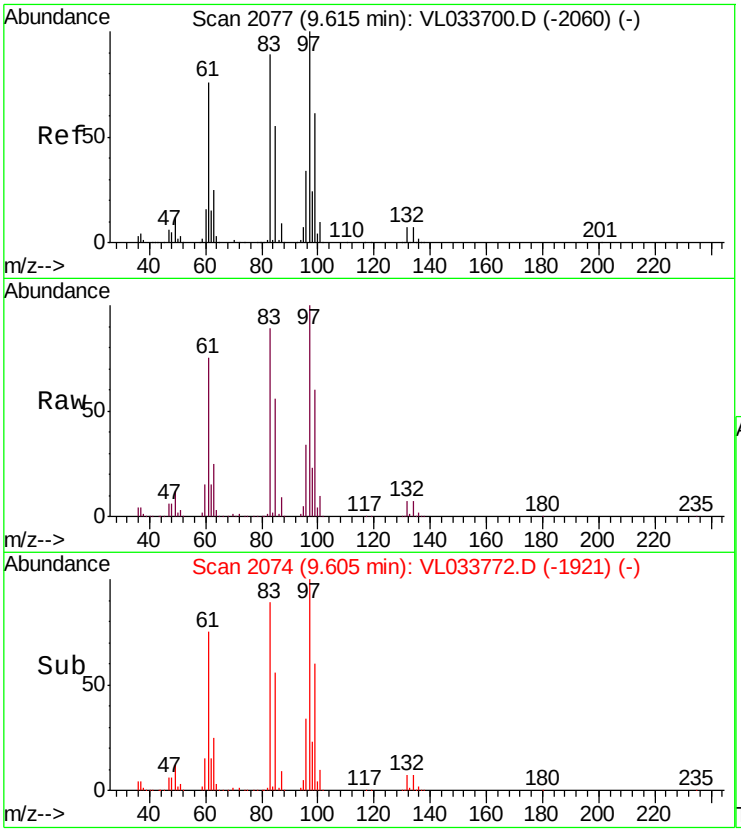


#46
cis-1,3-Dichloropropene
Concen: 11.992 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 75 Resp: 1283373

Ion	Ratio	Lower	Upper
75	100		
39	65.8	54.4	81.6
77	32.4	26.6	39.8



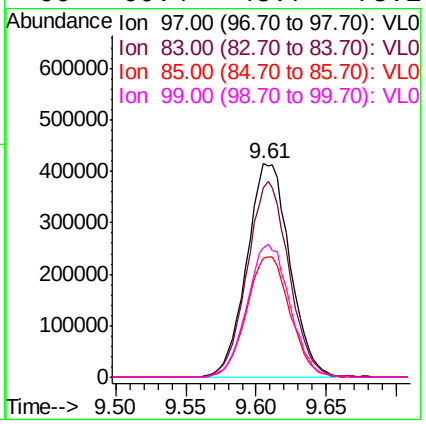


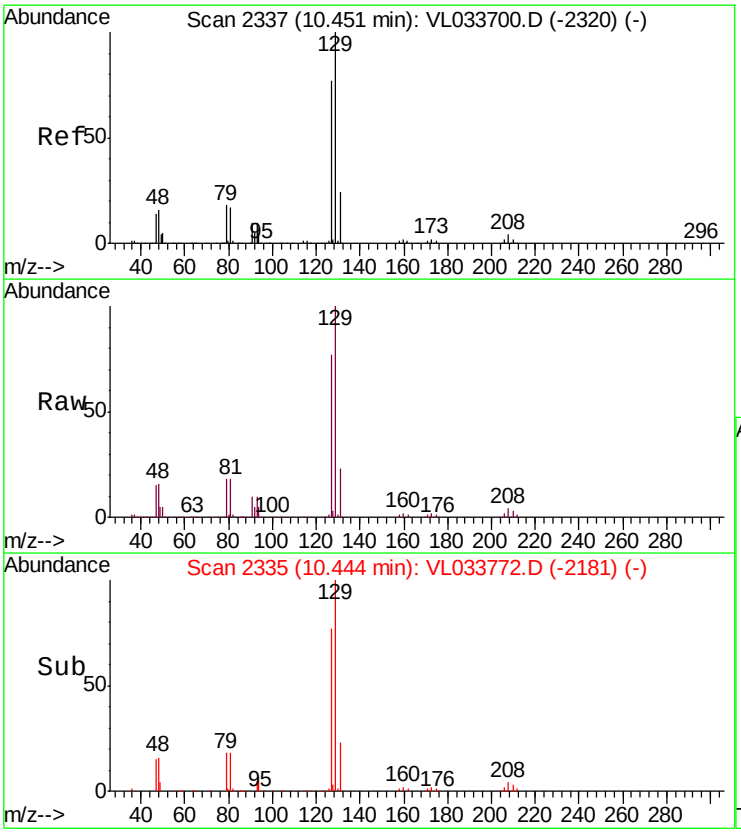
#47
1,1,2-Trichloroethane
Concen: 10.655 ppbv
RT: 9.61 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 97 Resp: 884058

Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.8	106.2
85	55.4	43.7	65.5
99	60.4	48.7	73.1

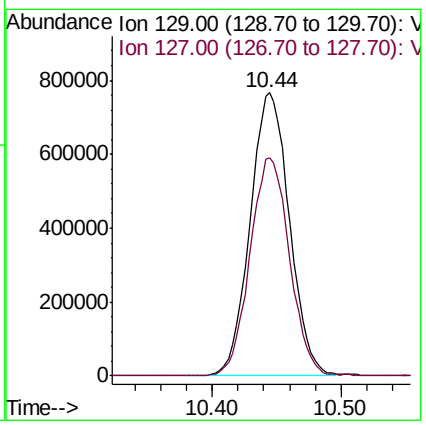


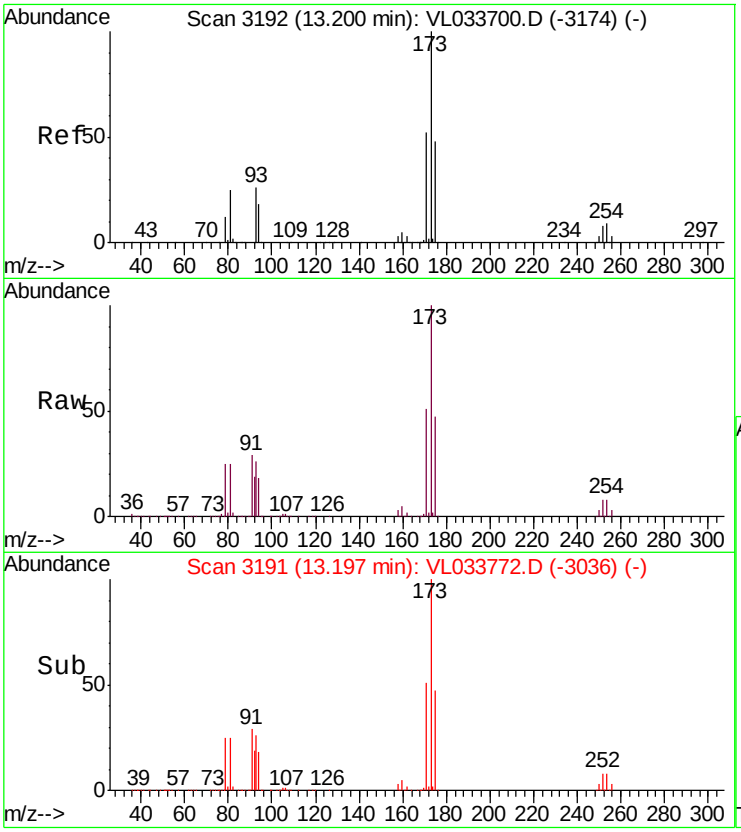


#48
Dibromochloromethane
Concen: 11.317 ppbv
RT: 10.44 min Scan# 2335
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:129 Resp: 1626921

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.6	116.0



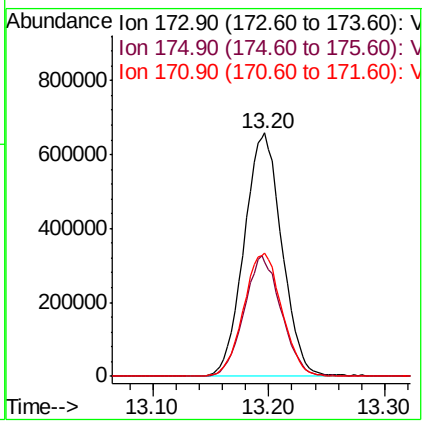


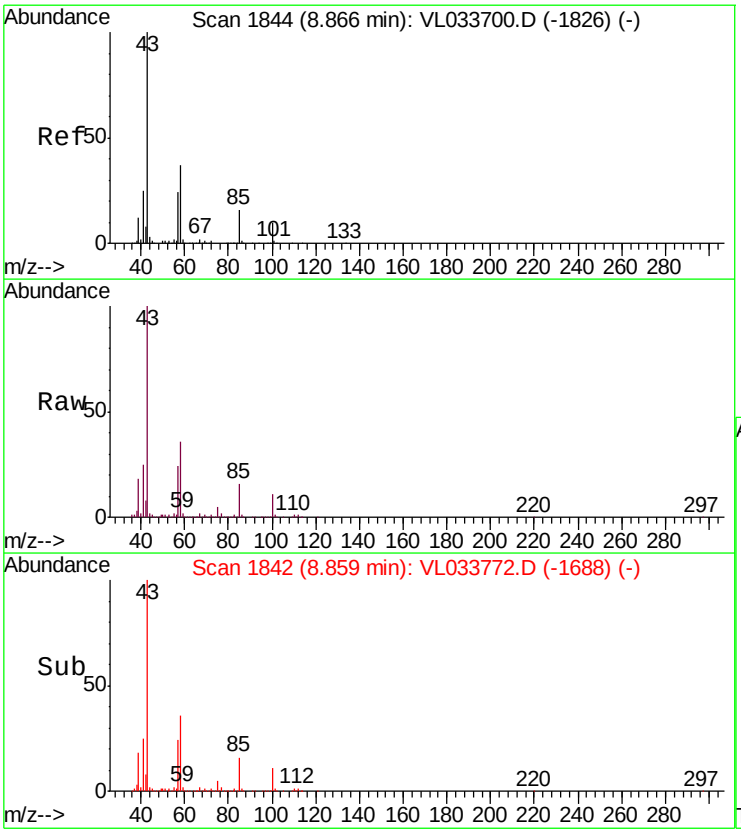
#49
Bromoform
Concen: 12.307 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion:173 Resp: 1488695

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.6	58.0
171	51.4	41.5	62.3

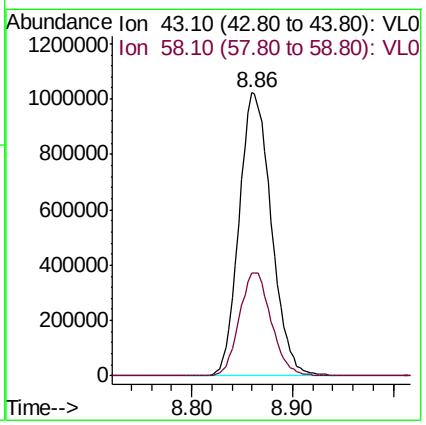


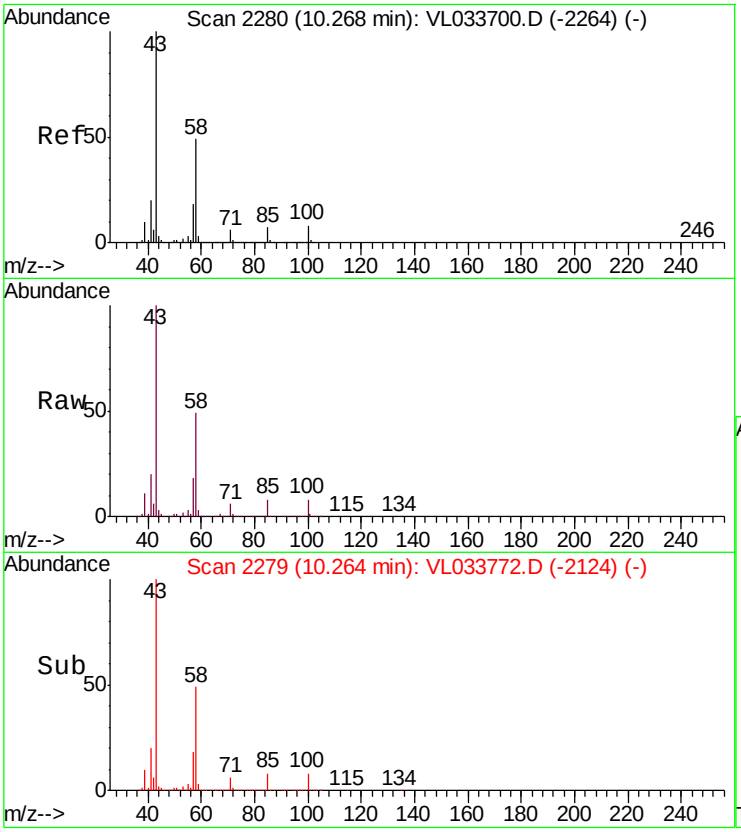


#50
4-Methyl-2-Pentanone
Concen: 11.015 ppbv
RT: 8.86 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 43 Resp: 2261606

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.6	43.0



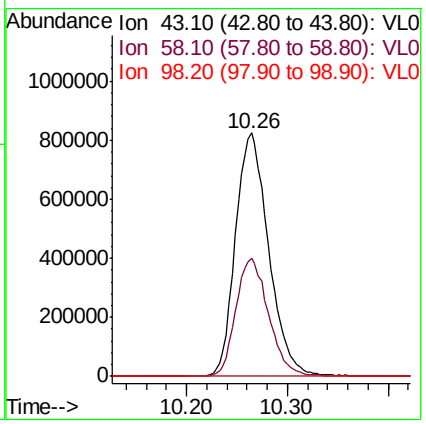


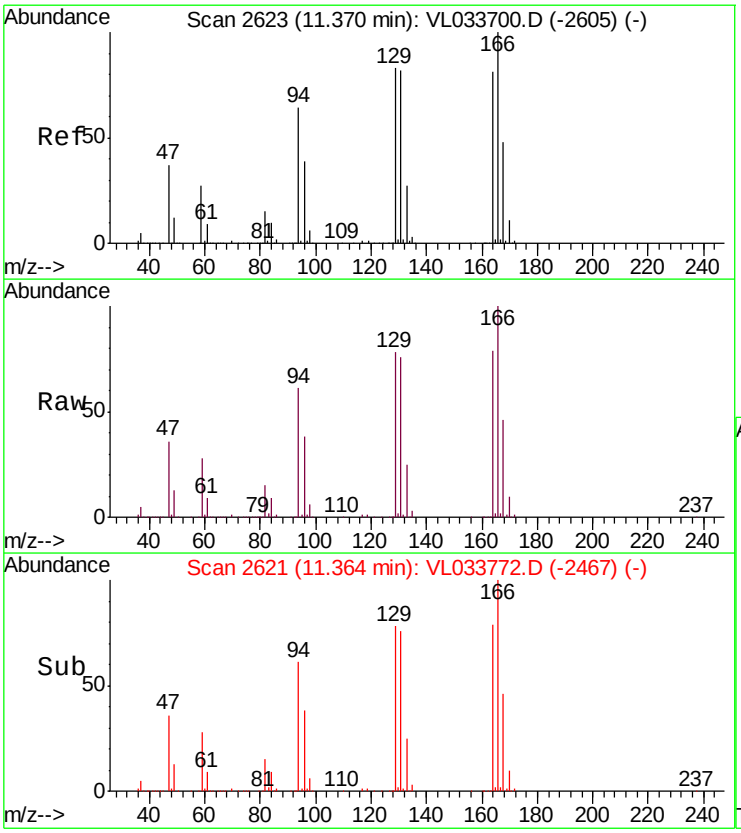
#51
2-Hexanone
Concen: 11.736 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 43 Resp: 1880608

Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.7	58.1
98	0.4	0.2	0.4#

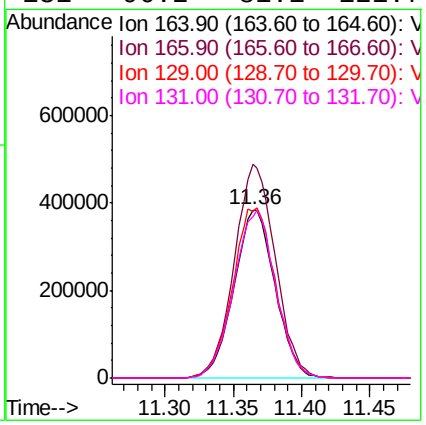


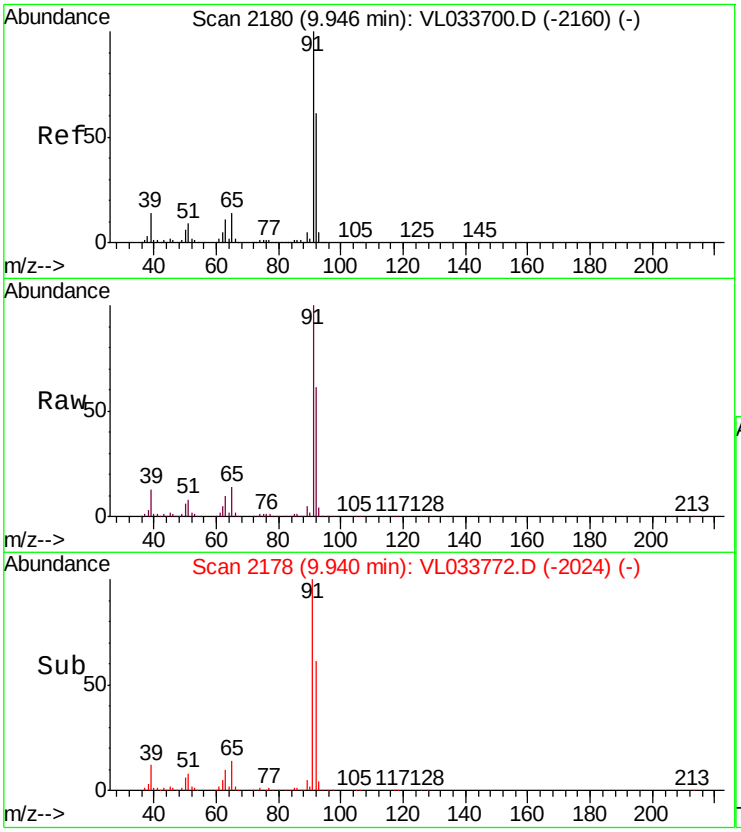


#52
Tetrachloroethene
Concen: 11.609 ppbv
RT: 11.36 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:164 Resp: 799425

Ion	Ratio	Lower	Upper
164	100		
166	127.0	98.9	148.3
129	98.8	81.8	122.6
131	96.2	81.1	121.7



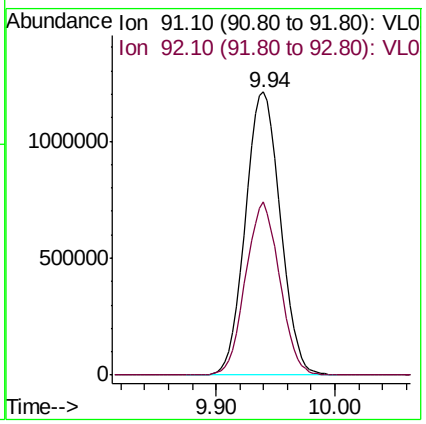


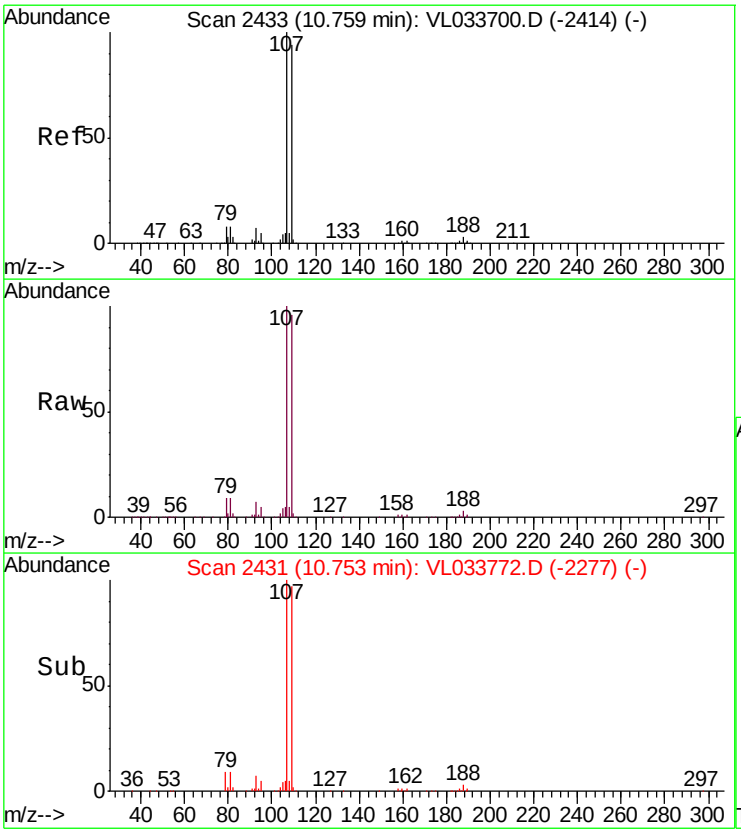
#53
Toluene
Concen: 11.671 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 91 Resp: 2466068

Ion	Ratio	Lower	Upper
91	100		
92	59.5	47.6	71.4

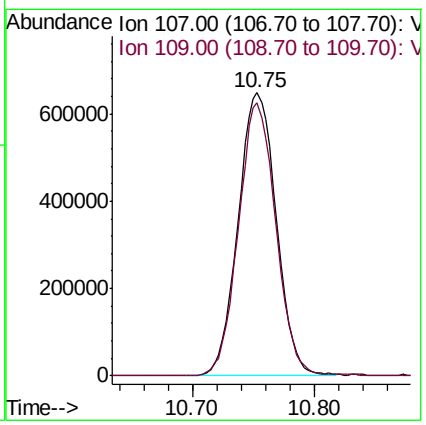


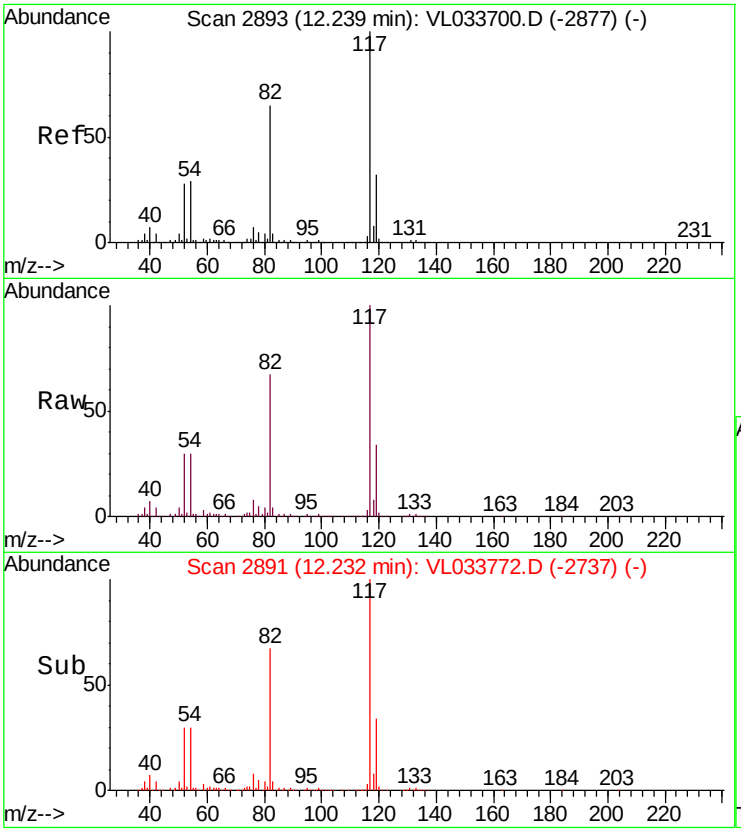


#54
1,2-Dibromoethane
Concen: 11.030 ppbv
RT: 10.75 min Scan# 2431
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:107 Resp: 1396638

Ion	Ratio	Lower	Upper
107	100		
109	96.5	75.2	112.8



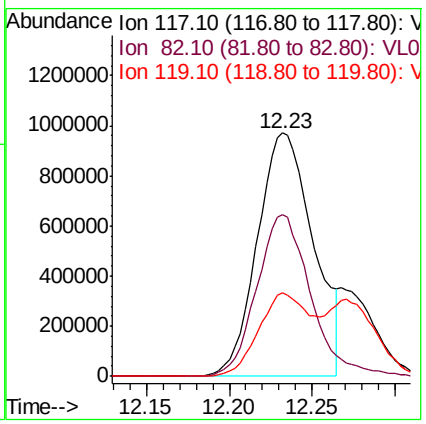


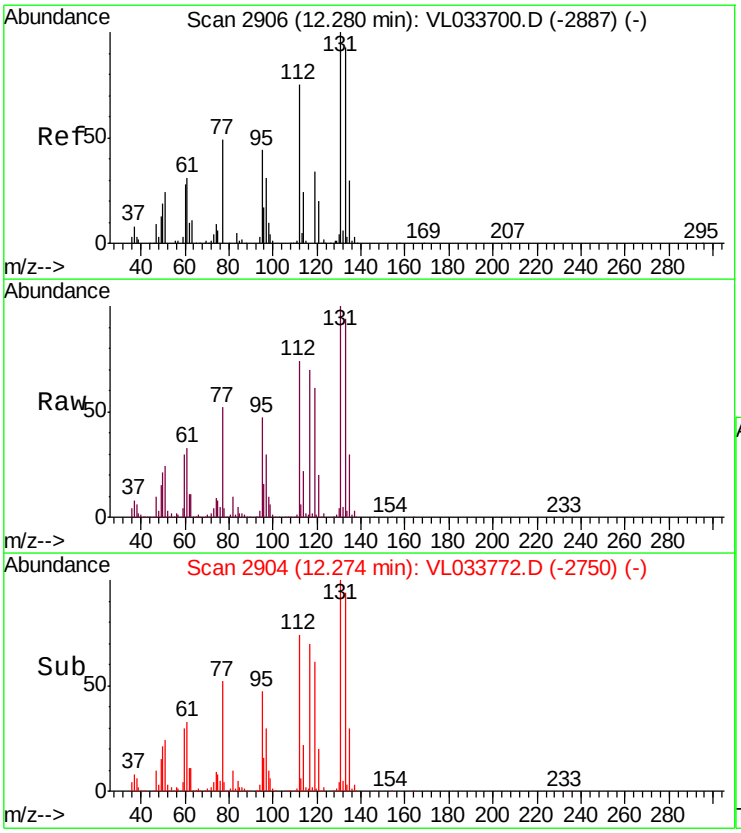
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion:117 Resp: 2285203

Ion	Ratio	Lower	Upper
117	100		
82	64.8	49.4	74.0
119	28.1	24.9	37.3

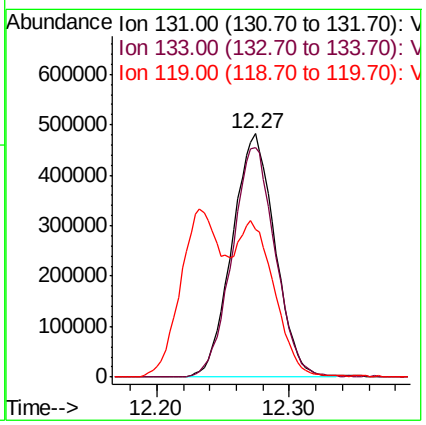


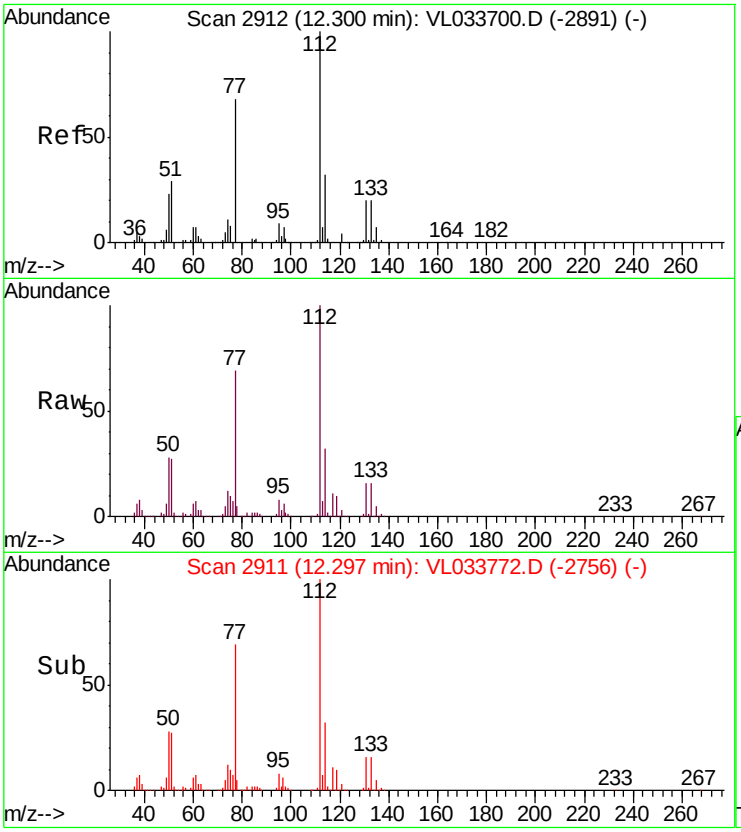


#56
1,1,1,2-Tetrachloroethane
Concen: 10.230 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:131 Resp: 1081794

Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.6	114.8
119	67.0	49.0	73.4



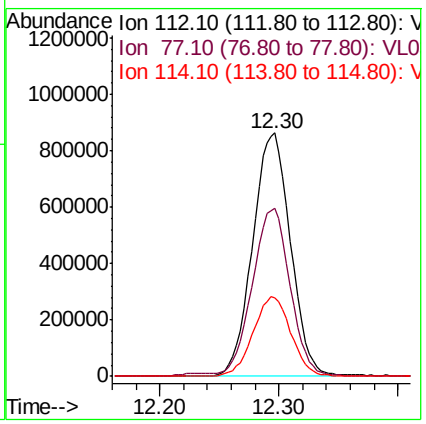


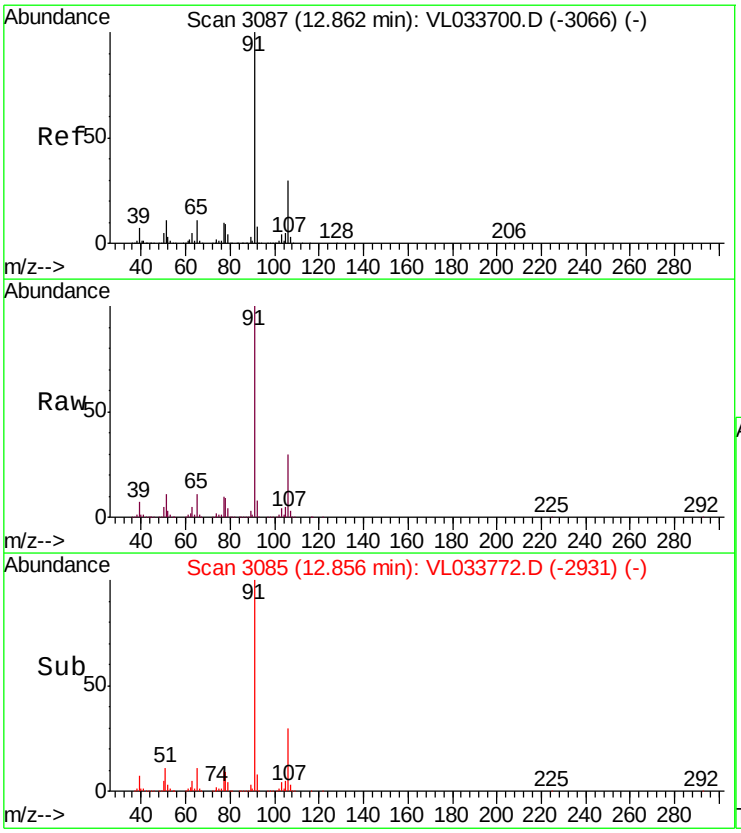
#57
Chlorobenzene
Concen: 10.086 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion:112 Resp: 1897254

Ion	Ratio	Lower	Upper
112	100		
77	68.2	55.4	83.0
114	32.2	29.3	35.8

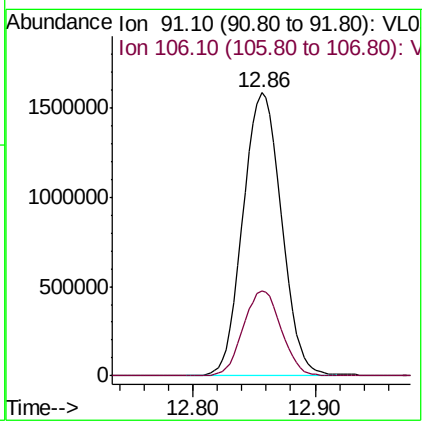


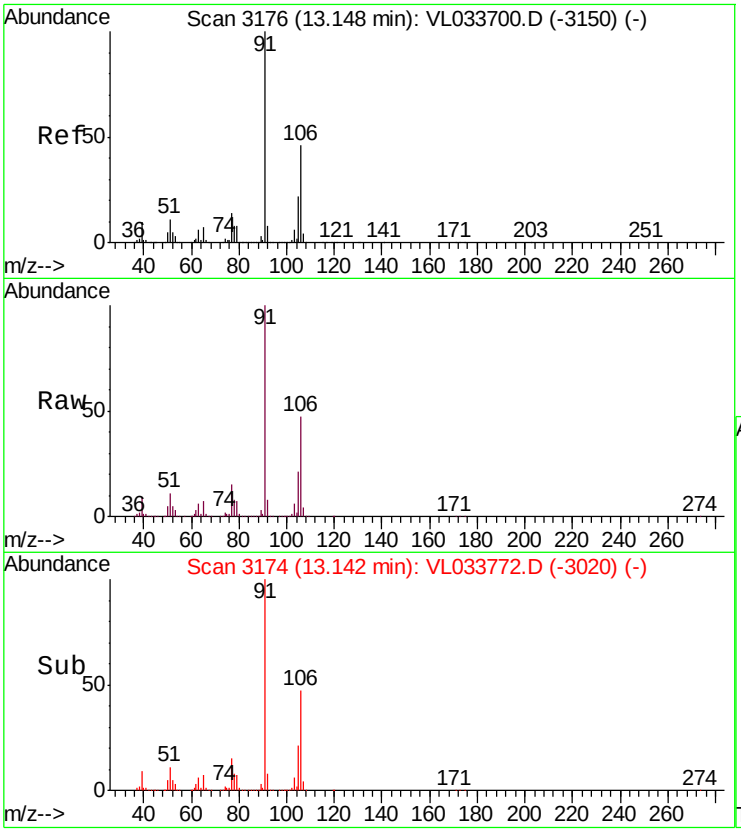


#58
Ethyl Benzene
Concen: 11.405 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 91 Resp: 3451312

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9



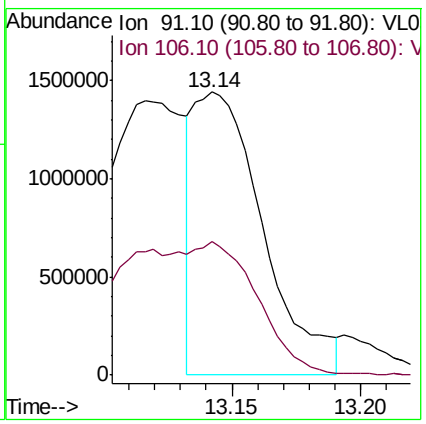


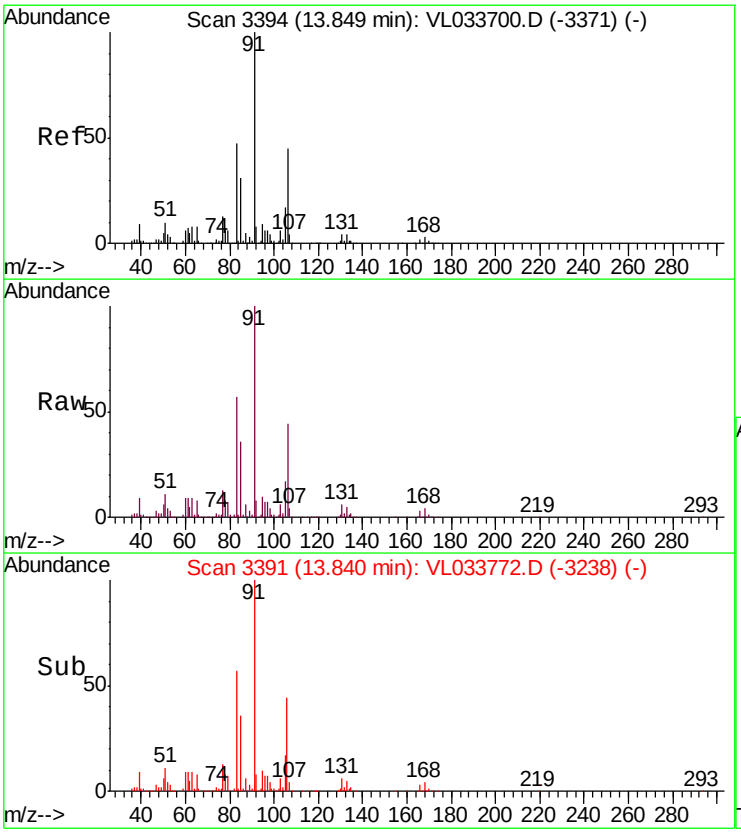
#59
m/p-Xylene
Concen: 10.102 ppbv
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 91 Resp: 2672457

Ion	Ratio	Lower	Upper
91	100		
106	97.8	35.8	53.6#

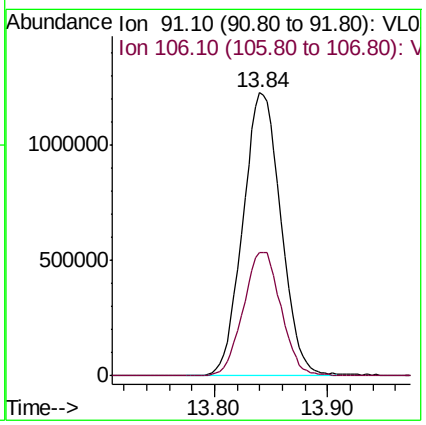


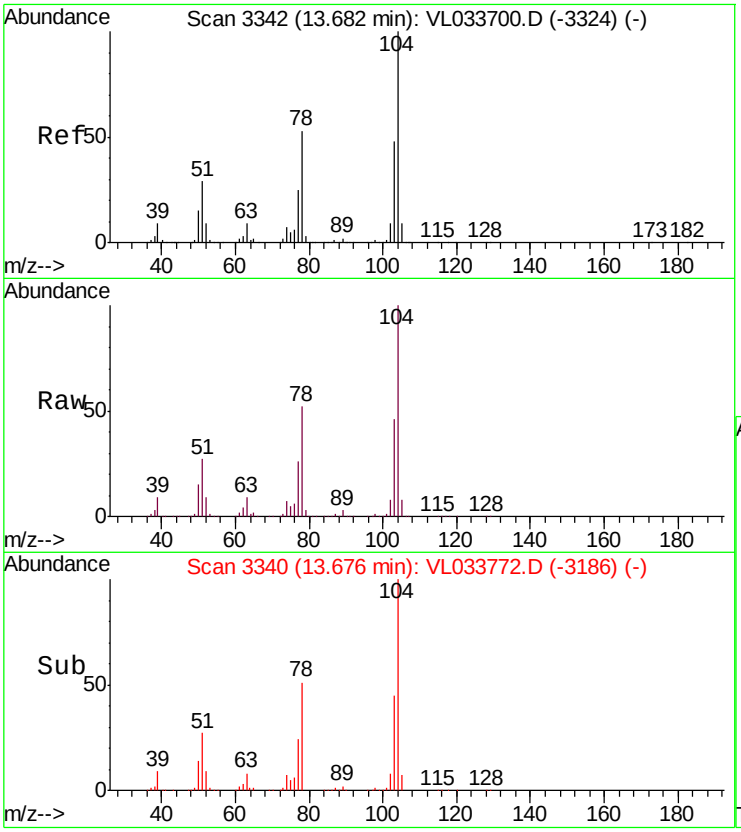


#60
o-Xylene
Concen: 10.756 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 91 Resp: 2868223

Ion	Ratio	Lower	Upper
91	100		
106	43.6	21.6	64.8



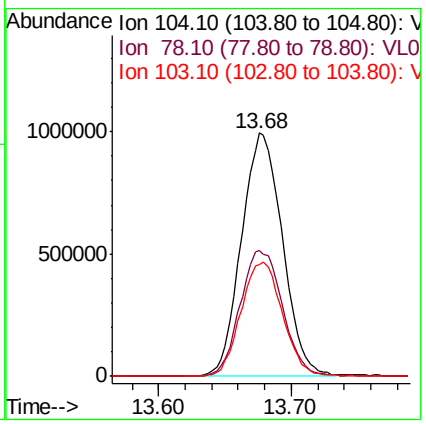


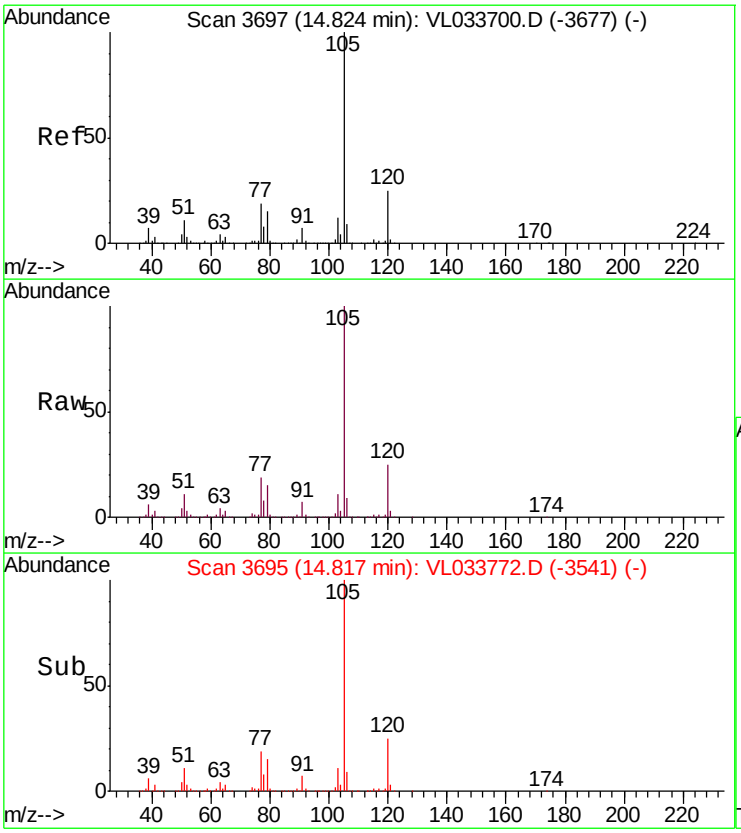
#61
Styrene
Concen: 11.909 ppbv
RT: 13.68 min Scan# 3340
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion:104 Resp: 2138151

Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.6	64.0
103	47.8	37.8	56.6

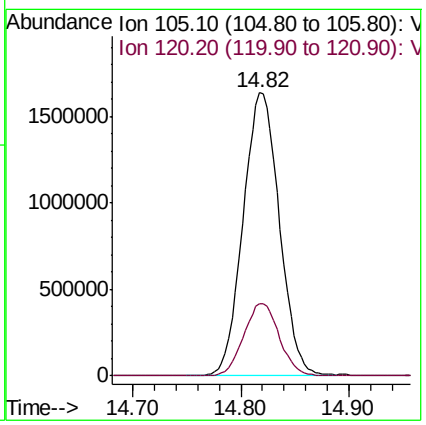


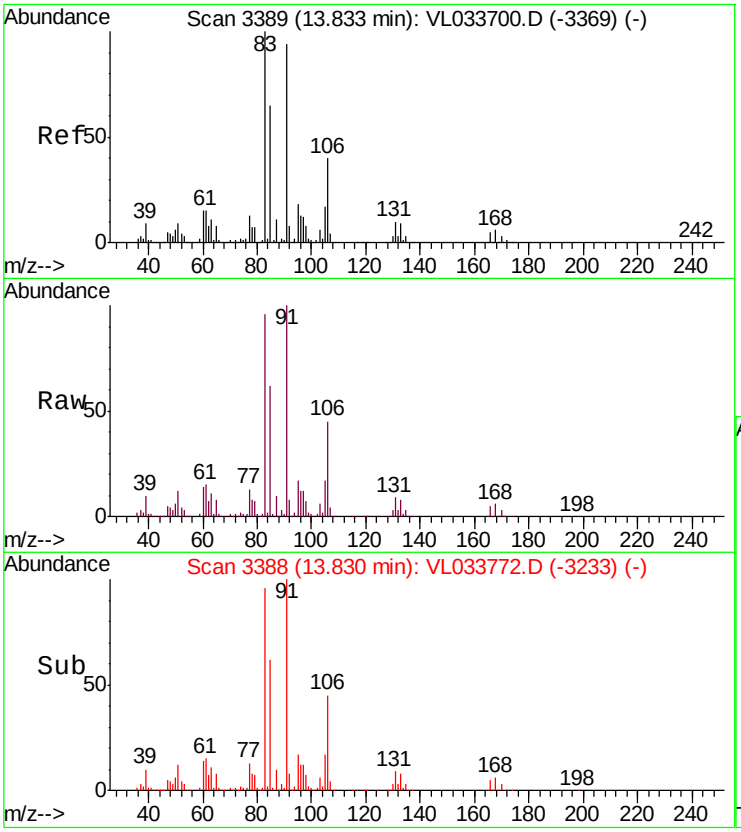


#62
Isopropylbenzene
Concen: 10.659 ppbv
RT: 14.82 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:105 Resp: 3827725

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.1	30.1



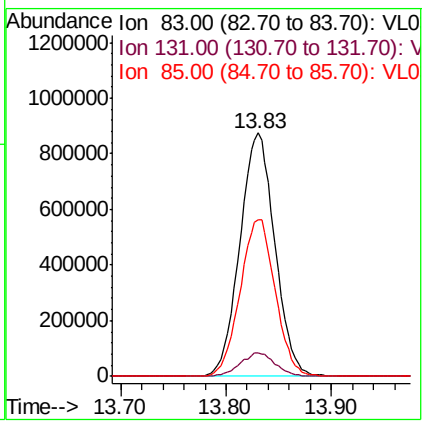


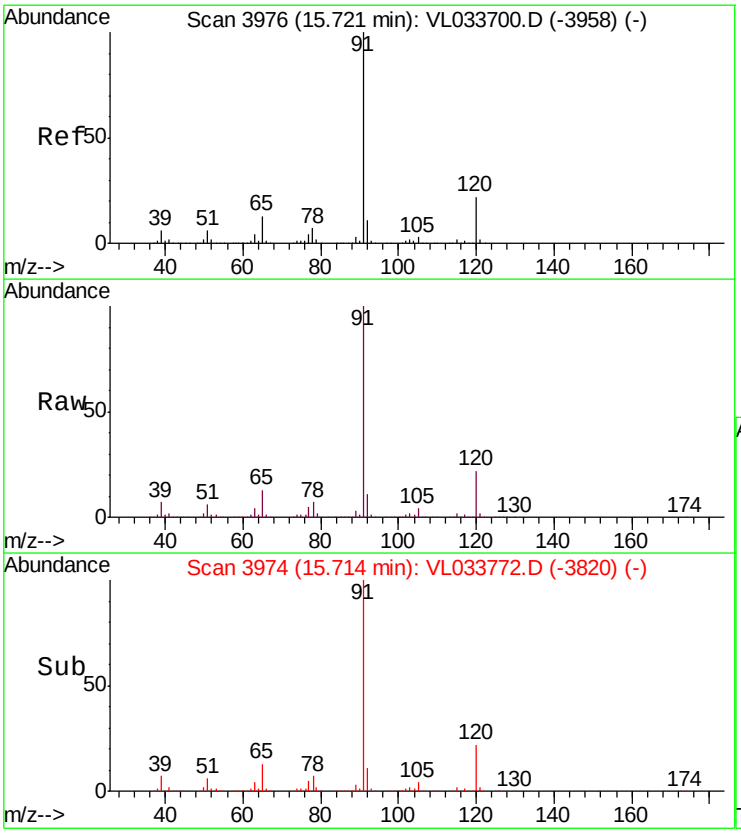
#63
1,1,2,2-Tetrachloroethane
Concen: 10.389 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion: 83 Resp: 2014642

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	65.0	32.3	96.9

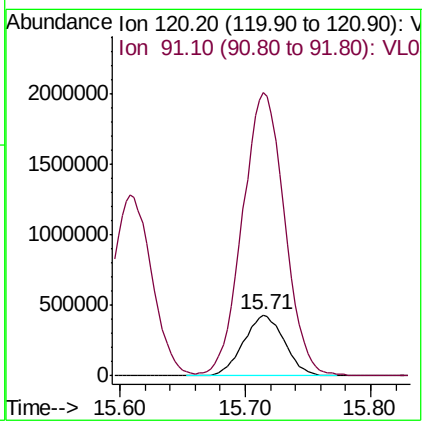


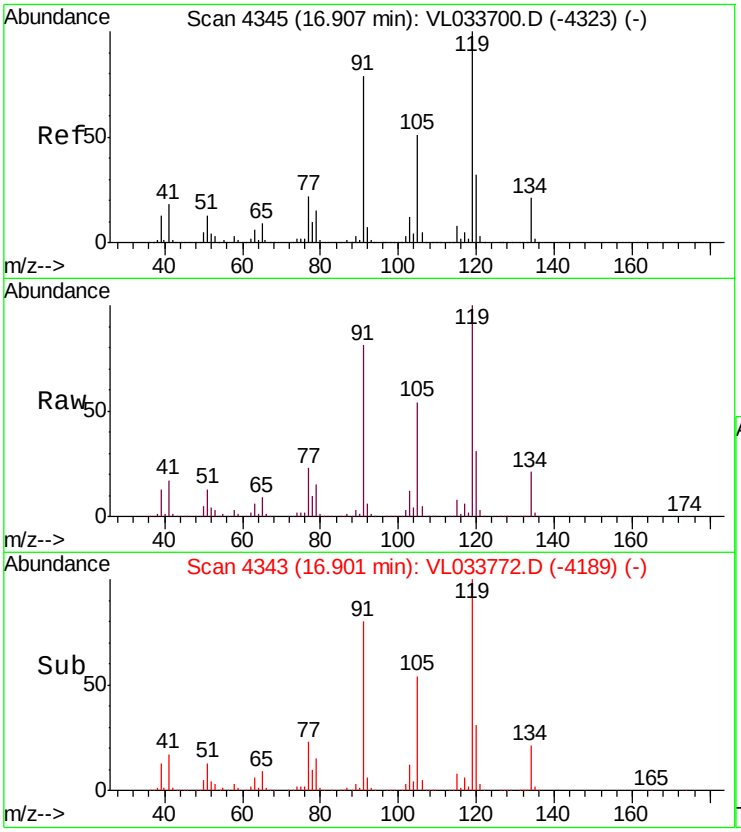


#64
n-propylbenzene
Concen: 10.607 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:120 Resp: 985328

Ion	Ratio	Lower	Upper
120	100		
91	479.7	379.1	568.7



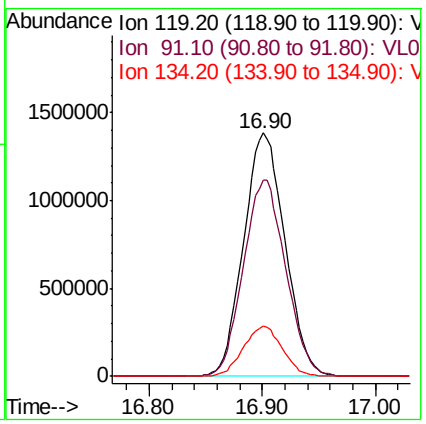


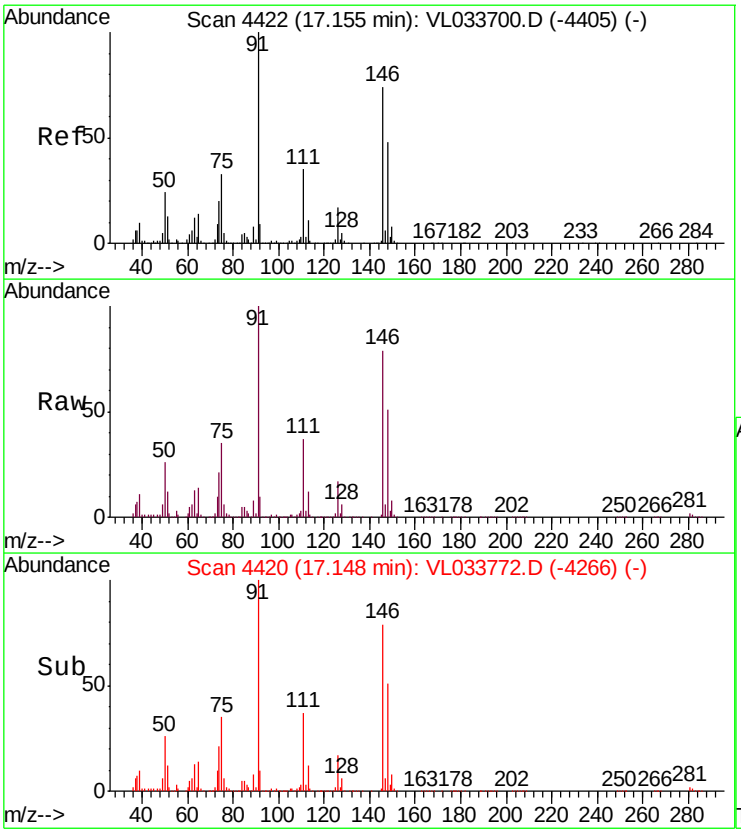
#65
tert-Butylbenzene
Concen: 10.715 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion:119 Resp: 3513295

Ion	Ratio	Lower	Upper
119	100		
91	82.6	65.3	97.9
134	19.5	15.7	23.5

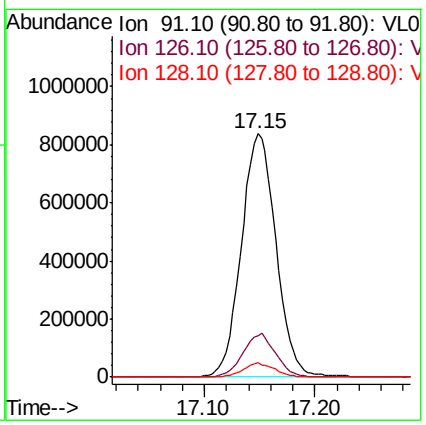


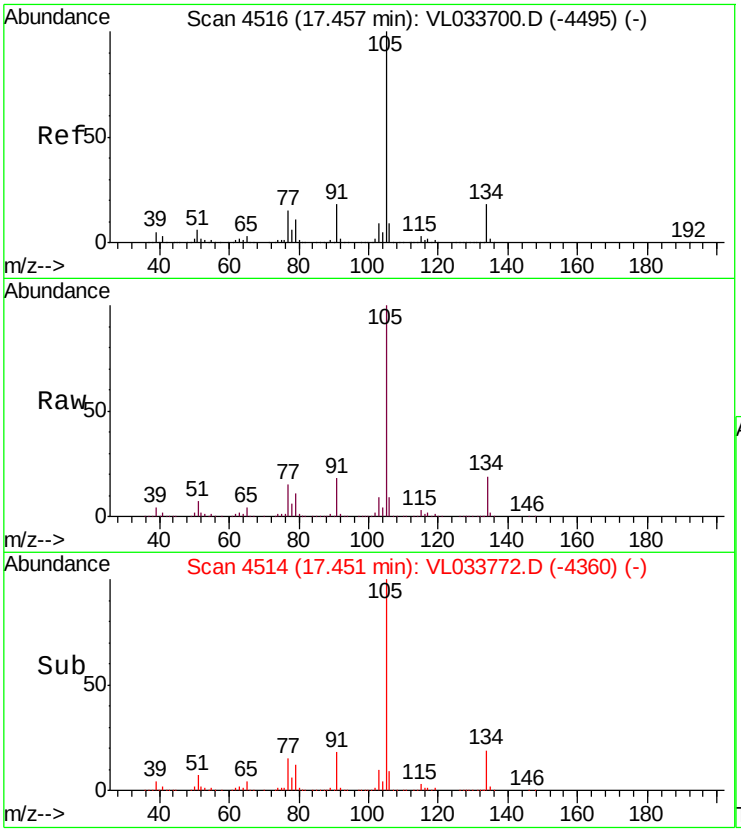


#66
Benzyl Chloride
Concen: 11.649 ppbv
RT: 17.15 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 91 Resp: 1819121

Ion	Ratio	Lower	Upper
91	100		
126	17.0	13.5	20.3
128	5.3	4.3	6.5



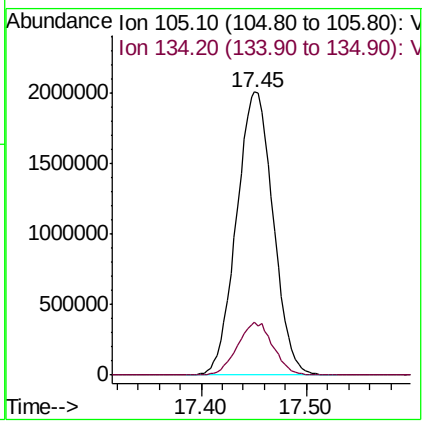


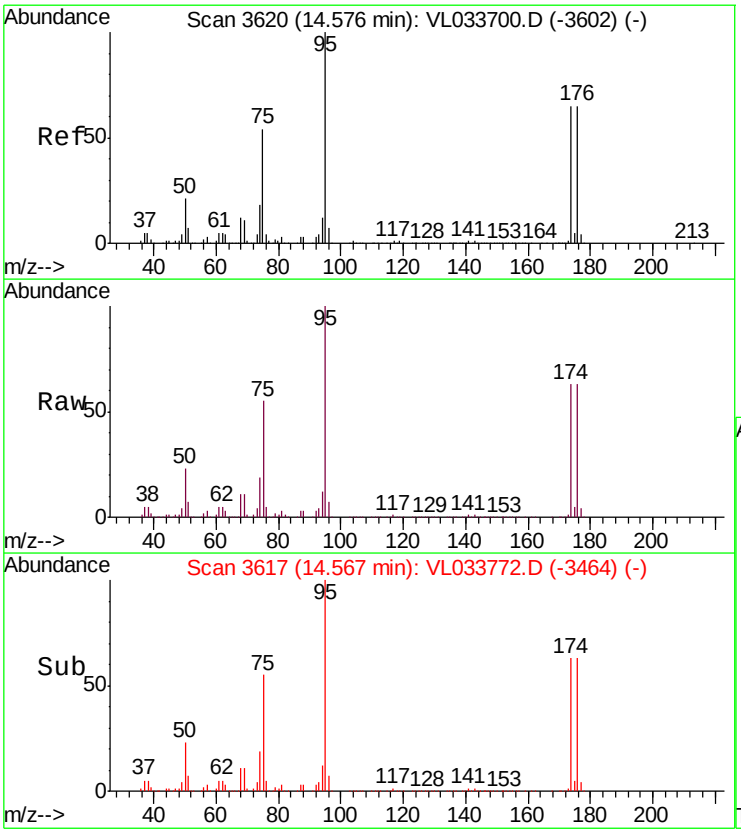
#67
sec-Butylbenzene
Concen: 10.573 ppbv
RT: 17.45 min Scan# 4514
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion:105 Resp: 4852309

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	22.0

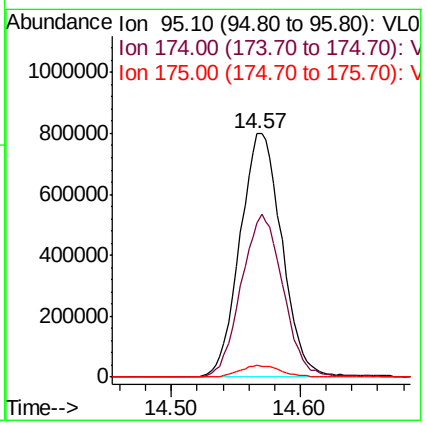


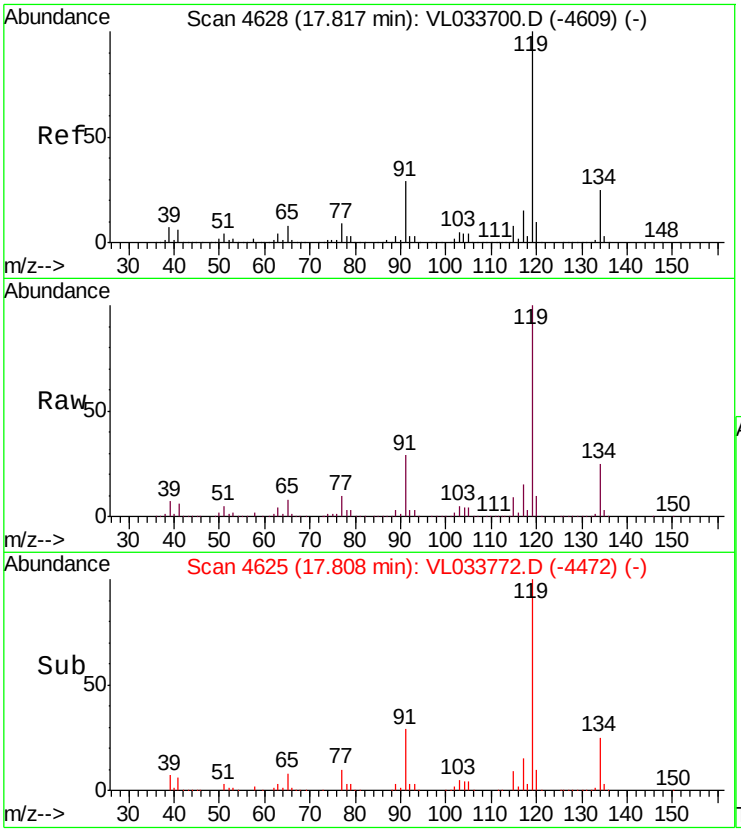


#68
1-Bromo-4-Fluorobenzene
Concen: 9.745 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 95 Resp: 1805362

Ion	Ratio	Lower	Upper
95	100		
174	67.1	53.9	80.9
175	4.8	3.8	5.8



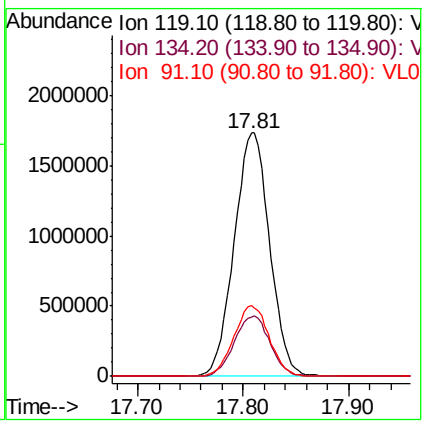


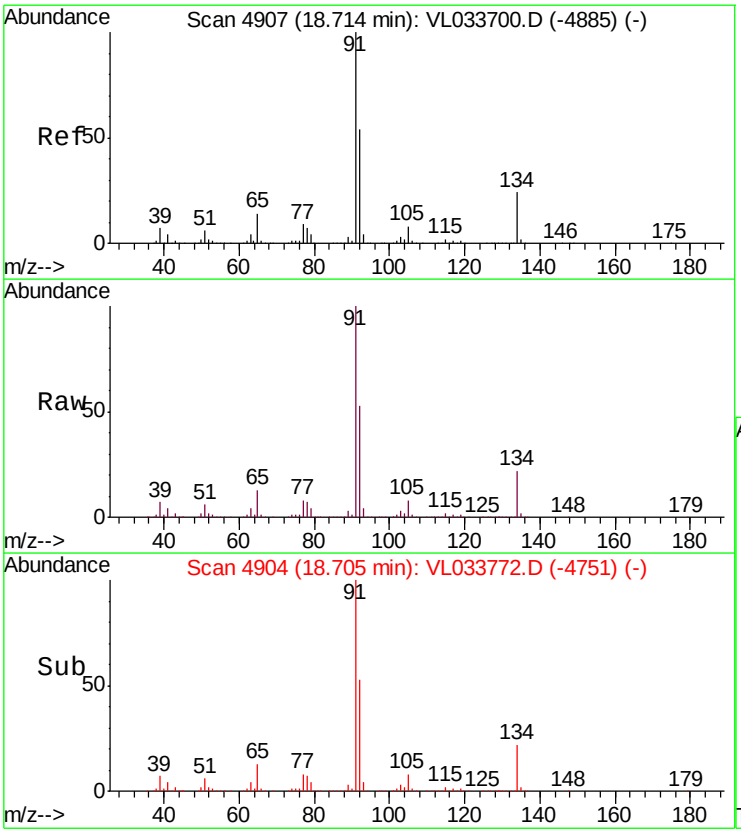
#69
p-Isopropyltoluene
Concen: 10.649 ppbv
RT: 17.81 min Scan# 4625
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion:119 Resp: 4039181

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	29.1	23.1	34.7

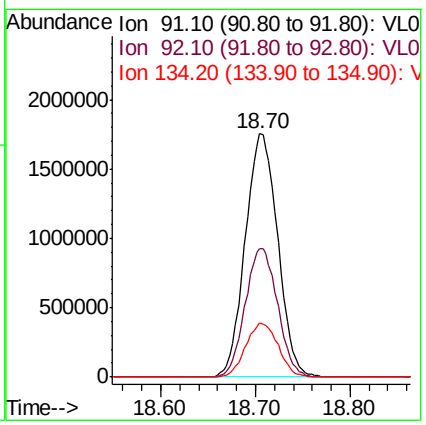


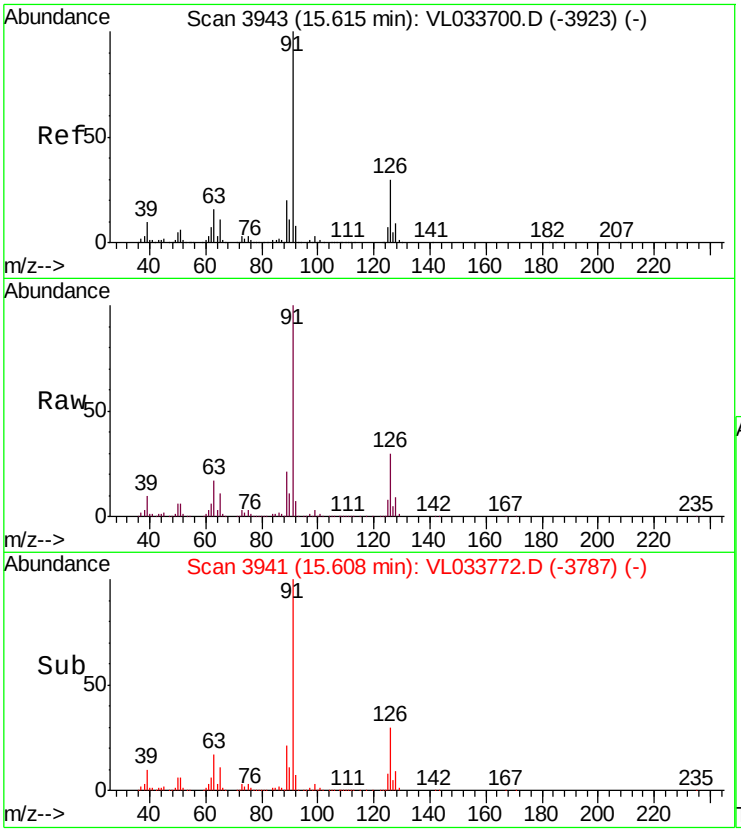


#70
n-Butylbenzene
Concen: 10.265 ppbv
RT: 18.70 min Scan# 4904
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion: 91 Resp: 4175434

Ion	Ratio	Lower	Upper
91	100		
92	52.9	42.6	63.8
134	22.2	18.1	27.1



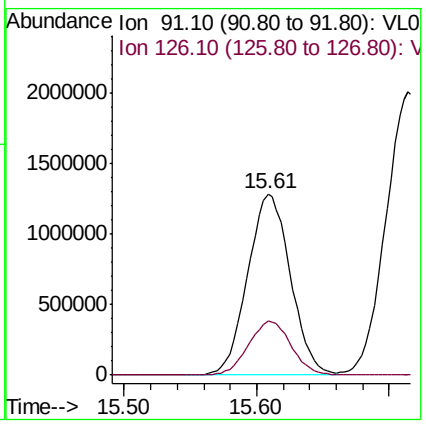


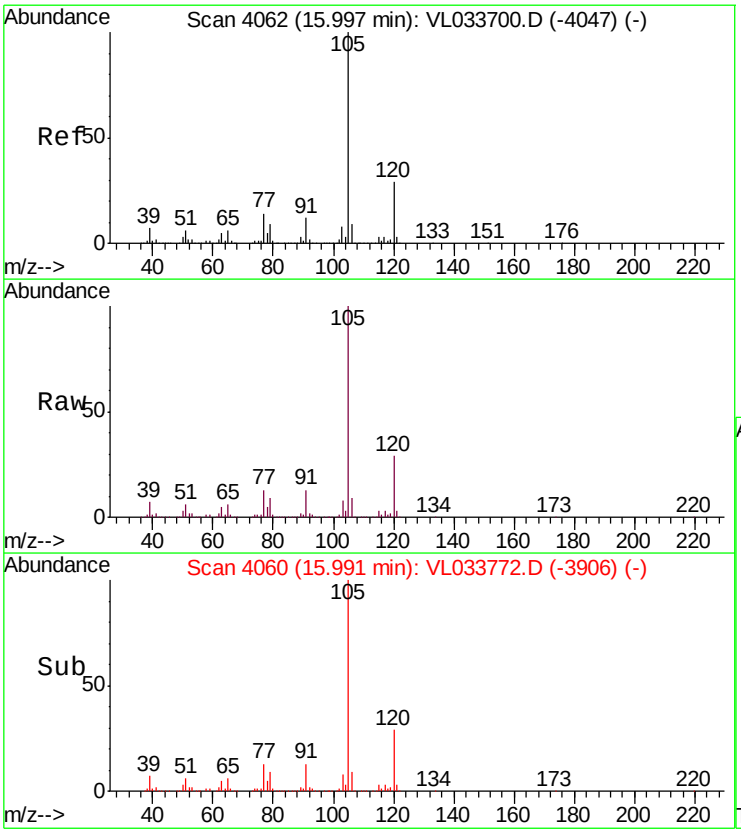
#71
2-Chlorotoluene
Concen: 10.871 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion: 91 Resp: 2896461

Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.0	47.8

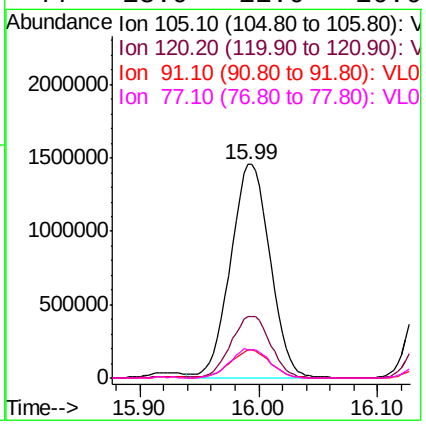


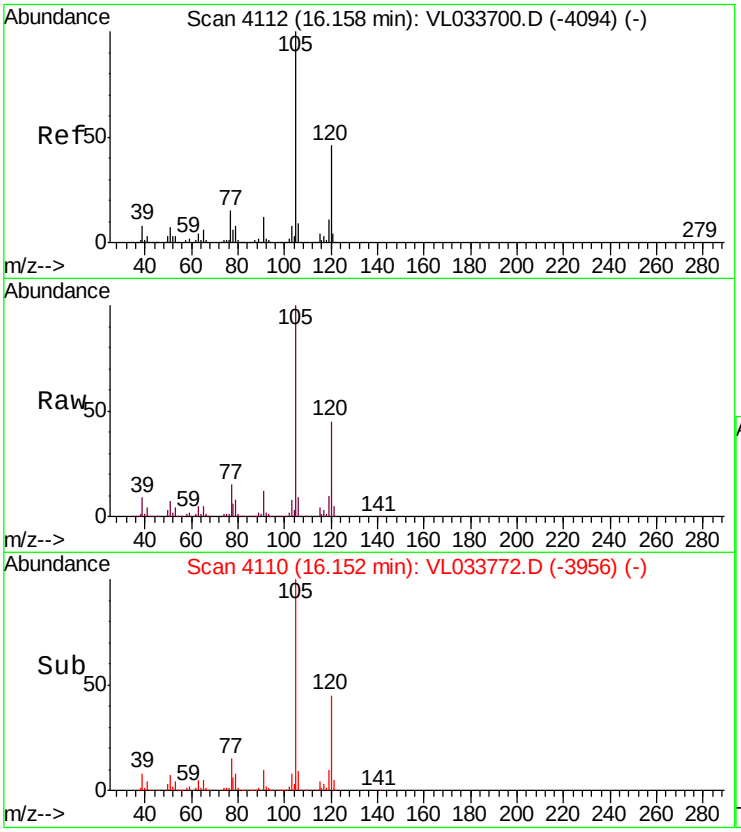


#72
4-Ethyltoluene
Concen: 10.958 ppbv
RT: 15.99 min Scan# 4060
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:105 Resp: 3341168

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.1	34.7
91	13.1	10.4	15.6
77	13.9	11.0	16.6



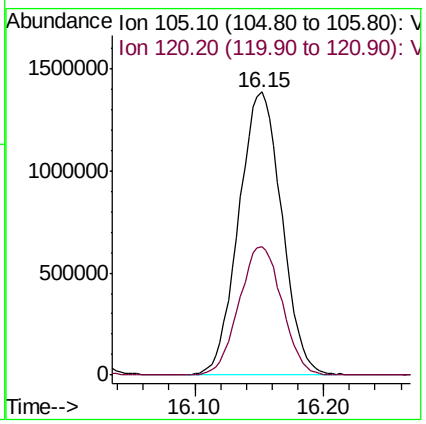


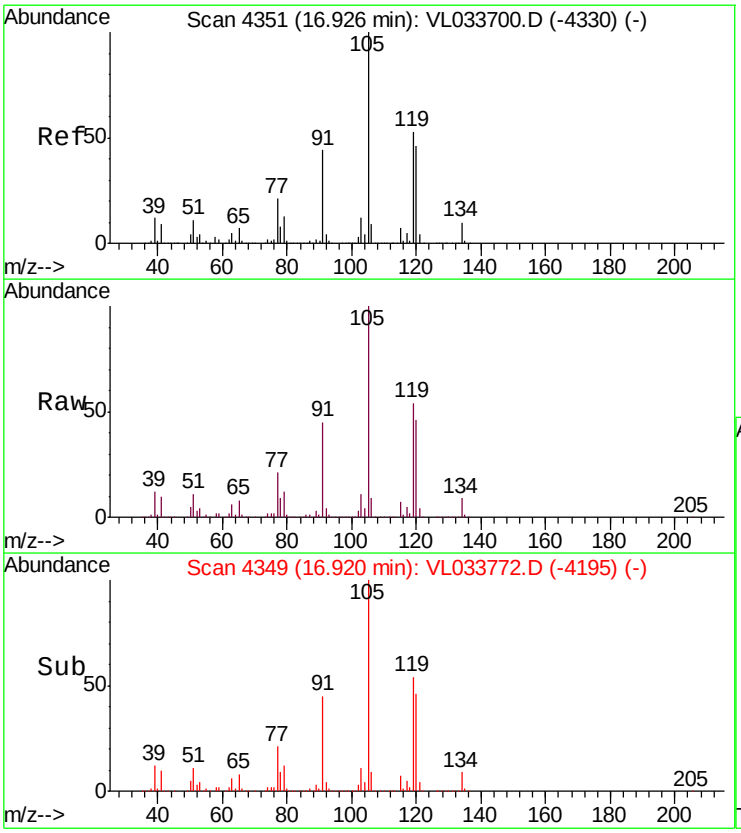
#73
1,3,5-Trimethylbenzene
Concen: 10.770 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion:105 Resp: 3203998

Ion	Ratio	Lower	Upper
105	100		
120	45.4	37.0	55.4

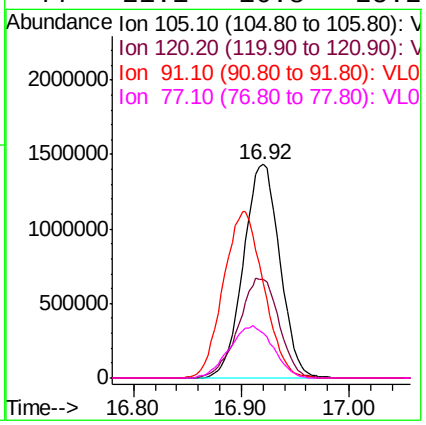


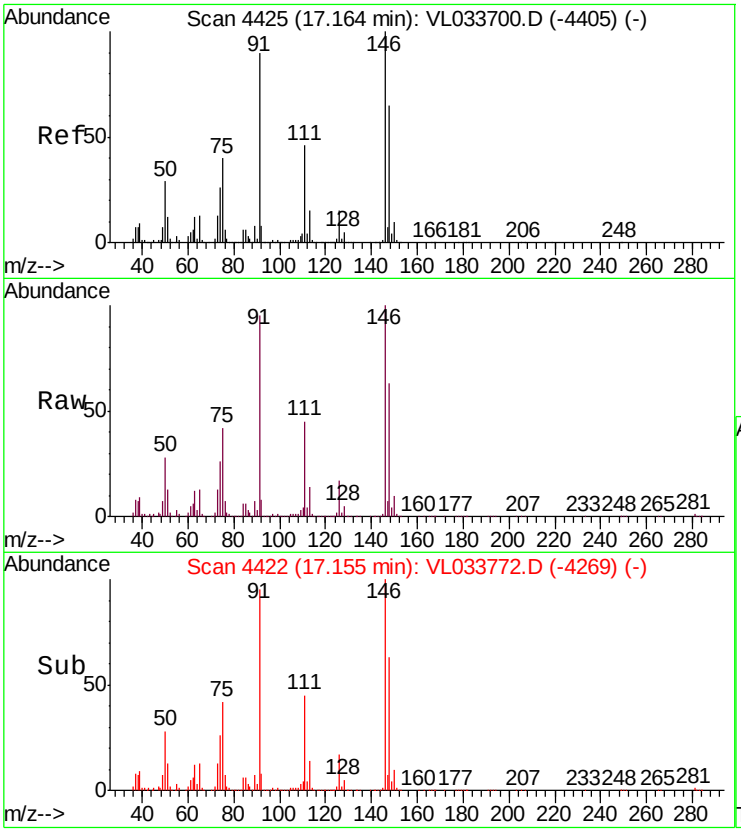


#74
1,2,4-Trimethylbenzene
Concen: 10.396 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:105 Resp: 3365812

Ion	Ratio	Lower	Upper
105	100		
120	46.1	36.8	55.2
91	44.4	35.4	53.0
77	21.1	16.8	25.2



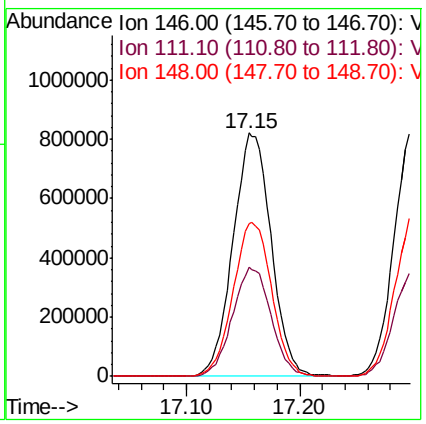


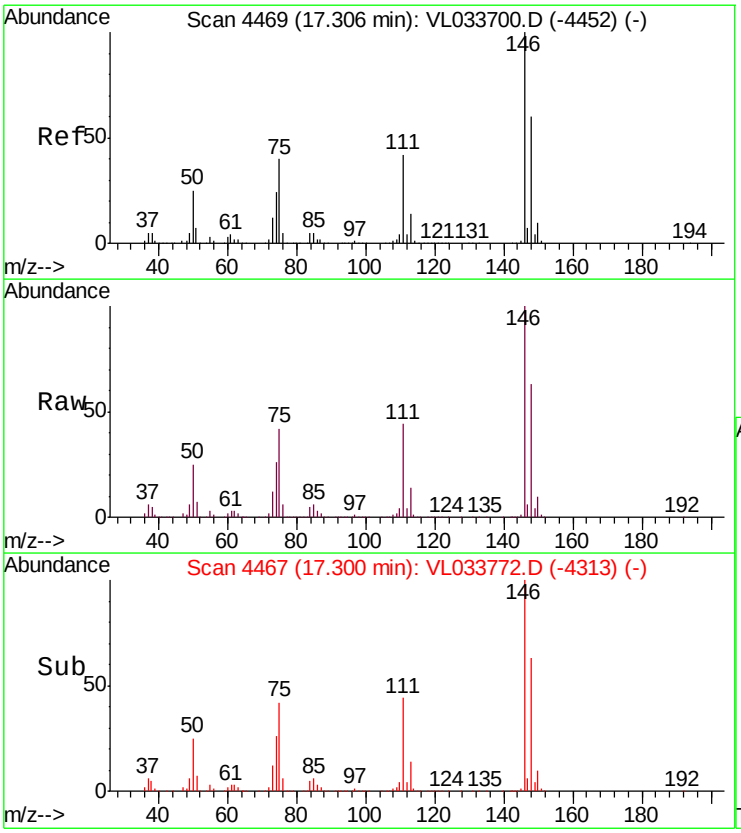
#75
1,3-Dichlorobenzene
Concen: 9.725 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion:146 Resp: 1929374

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.9	68.8
148	64.0	32.0	96.2

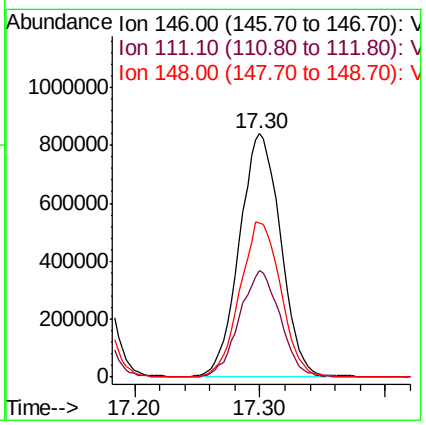


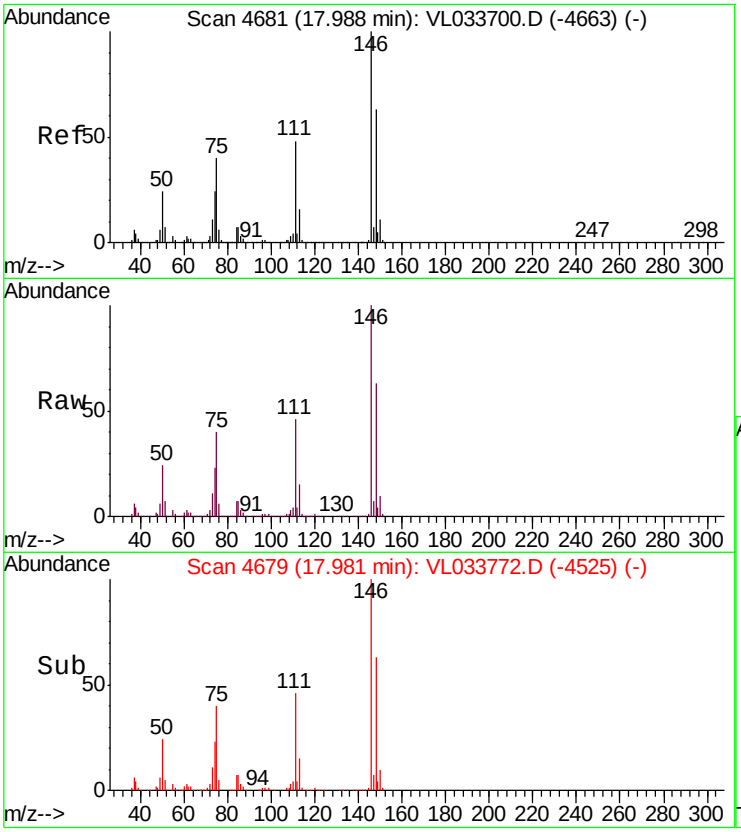


#76
1,4-Dichlorobenzene
Concen: 10.116 ppbv
RT: 17.30 min Scan# 4467
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:146 Resp: 1907536

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.8
148	63.9	32.1	96.3



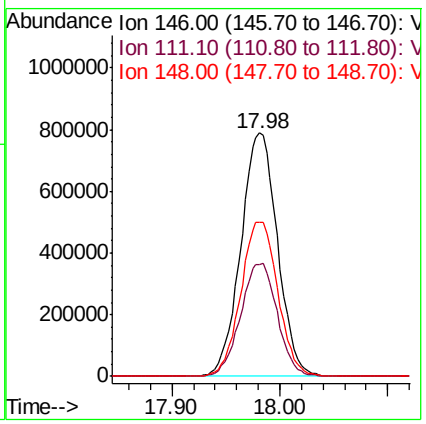


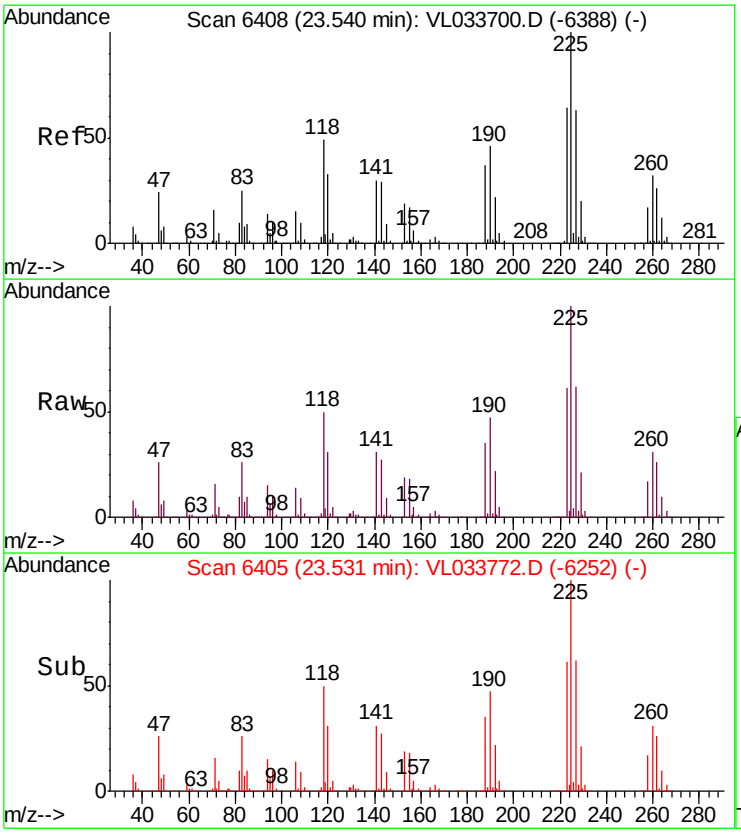
#77
1,2-Dichlorobenzene
Concen: 9.981 ppbv
RT: 17.98 min Scan# 4679
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument : MSVOA_L
ClientSampleId : VL0523ABS01DUP

Tgt Ion:146 Resp: 1860628

Ion	Ratio	Lower	Upper
146	100		
111	46.6	23.5	70.5
148	64.3	32.1	96.3

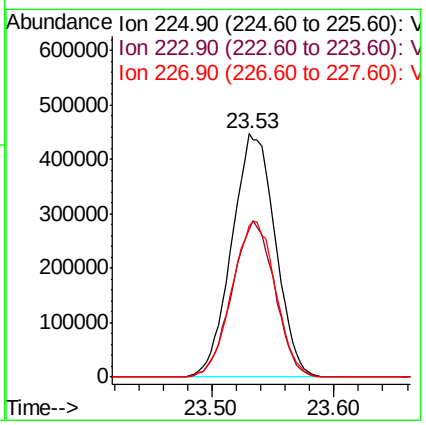


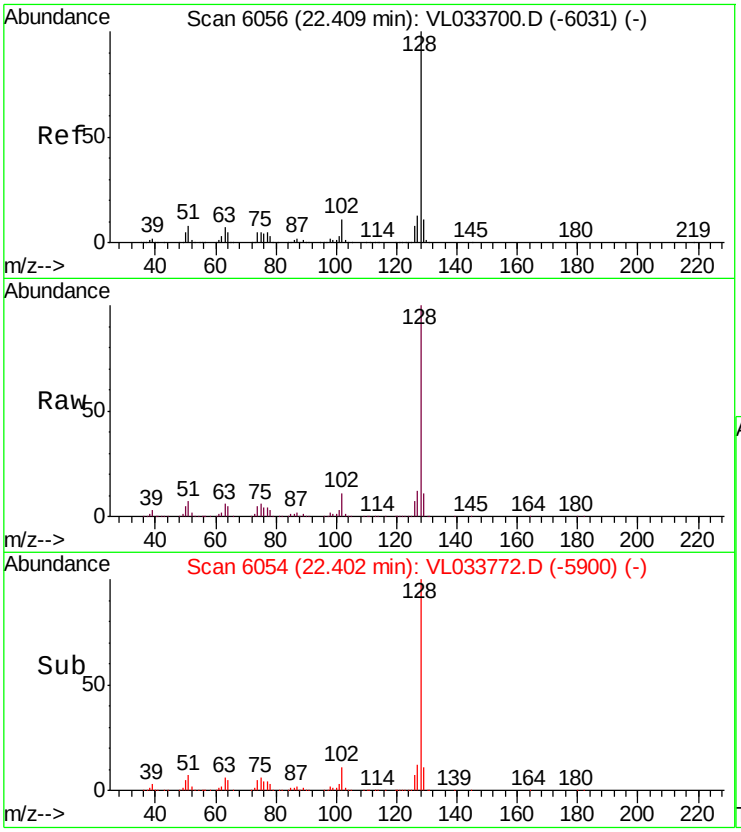


#78
Hexachloro-1,3-Butadiene
Concen: 7.824 ppbv
RT: 23.53 min Scan# 6405
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:225 Resp: 1102761

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4
227	64.3	50.7	76.1



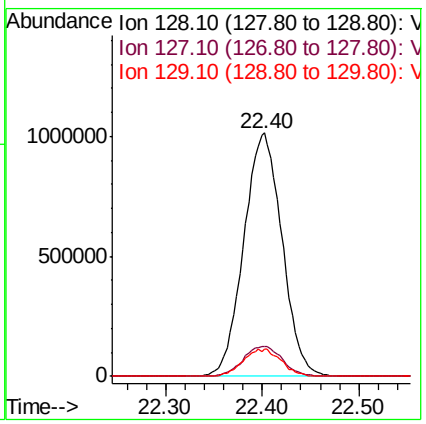


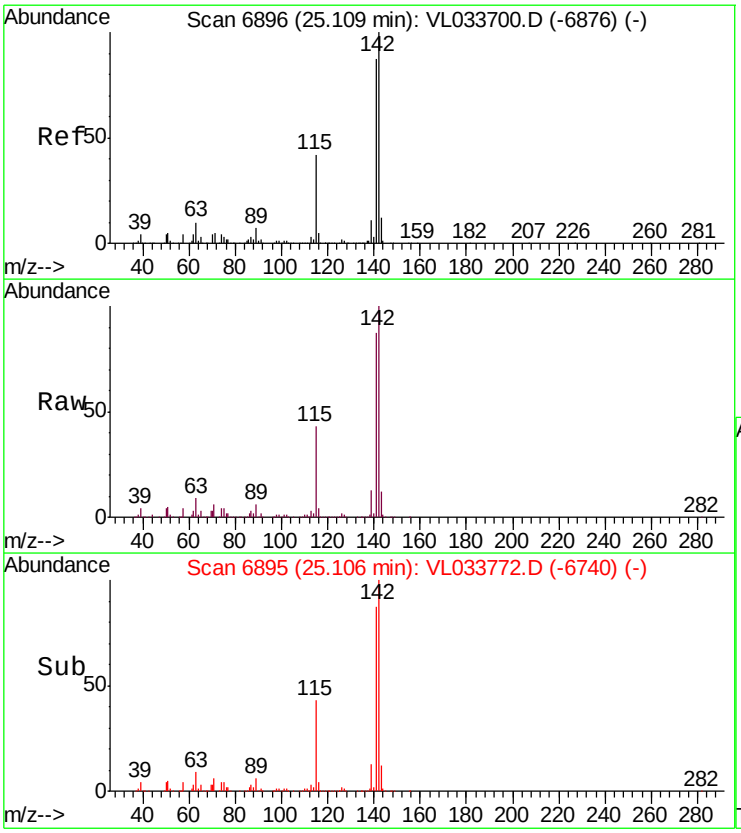
#79
Naphthalene
Concen: 9.249 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion:128 Resp: 2781437

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	16.0
129	11.0	8.9	13.3

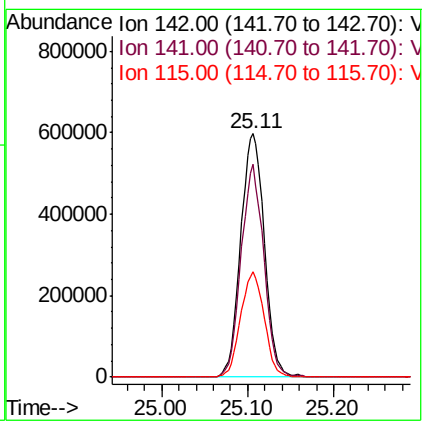


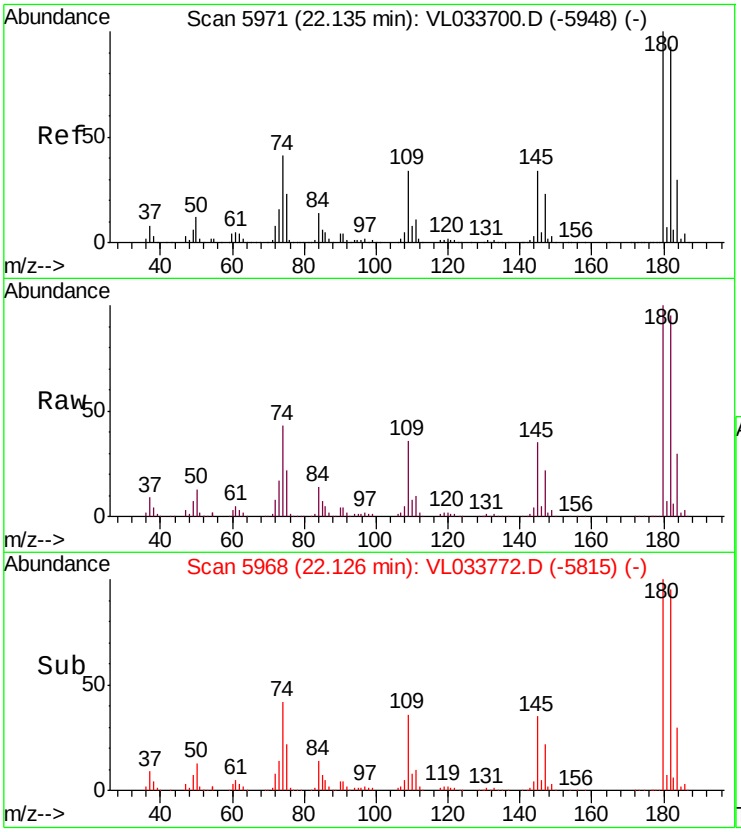


#80
Naphthalene,2-methyl-
Concen: 9.997 ppbv
RT: 25.11 min Scan# 6895
Delta R.T. -0.00 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Tgt Ion:142 Resp: 1142313

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.2	100.8
115	43.1	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 8.910 ppbv
RT: 22.13 min Scan# 5968
Delta R.T. -0.01 min
Lab File: VL033772.D
Acq: 23 May 2019 13:16

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABS01DUP

Tgt Ion:180 Resp: 1568961

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
184	30.9	24.6	37.0