Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032483.D
Acq On : 10 Sep 2018 17:29
Operator : SY/AP
Sample : VL0910ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Quant Time: Sep 11 01:10:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.80	49	1507879	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.34	114	3692600	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.29	117	4288594	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.62	95	2628775	8.26	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.10	85	1082872	5.614	ppbv		99
3) Chlorodifluoromethane	3.04	51	1197119	8.770	ppbv		99
4) Chloromethane	3.19	50	703064	8.507	ppbv		98
5) Vinyl Chloride	3.32	62	675923	8.286	ppbv		100
6) Bromomethane	3.54	94	378095	8.830	ppbv		97
7) Chloroethane	3.63	64	254095	8.999	ppbv		99
8) Dichlorotetrafluoroethane	3.25	85	1429938	8.353	ppbv		99
9) Propene	3.06	41	571684	10.383	ppbv		99
10) Heptane	8.29	43	2298965	11.639	ppbv		99
11) Trichlorofluoromethane	4.03	101	1487884	8.555	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1256502	10.661	ppbv		100
13) Ethanol	3.68	45	138087	8.046	ppbv		99
14) Bromoethene	3.82	108	459115	9.195	ppbv		100
15) Acetone	3.93	43	1164904	8.579	ppbv		99
16) 1,3-Butadiene	3.39	39	548492	8.584	ppbv		97
17) tert-Butyl alcohol	4.39	59	213549	10.219	ppbv	#	100
18) 1,1-Dichloroethene	4.38	96	603541	11.206	ppbv		98
19) Isopropyl Alcohol	4.05	45	883789	9.921	ppbv	#	98
20) Methylene Chloride	4.44	84	540278	10.435	ppbv		91
21) Allyl Chloride	4.51	41	1061768	11.773	ppbv		99
22) trans-1,2-Dichloroethene	5.00	96	580972	9.941	ppbv		99
23) Vinyl Acetate	5.19	43	2608810	11.591	ppbv		99
24) 1,1-Dichloroethane	5.13	63	1864162	10.052	ppbv		99
25) Ethyl Acetate	5.81	43	3150129	9.824	ppbv		100
26) Hexane	5.82	57	1454570	10.130	ppbv		99
27) Carbon Disulfide	4.65	76	1570385	11.848	ppbv		99
28) Methyl tert-Butyl Ether	5.15	73	1995892	11.322	ppbv		99
29) Chloroform	5.89	83	2146161	9.803	ppbv		99
30) Cyclohexane	7.29	84	1371514	13.045	ppbv		99
31) cis-1,2-Dichloroethene	5.68	61	1438237	11.062	ppbv		99
32) 1,1,1-Trichloroethane	6.66	97	2029137	9.944	ppbv		98
34) 2-Butanone	5.36	43	2100189	8.563	ppbv		100
35) Carbon Tetrachloride	7.17	117	2349014	9.465	ppbv		99
36) Benzene	7.05	78	3150330	10.025	ppbv		100
37) 1,2-Dichloroethane	6.45	62	1599540	8.306	ppbv		99
38) Trichloroethene	8.00	130	1151851	9.649	ppbv		98
39) 1,2-Dichloropropane	7.78	63	1355505	10.082	ppbv		98
40) 1,4-Dioxane	8.00	88	416592	10.328	ppbv		95
41) Tetrahydrofuran	6.19	42	1262446	9.455	ppbv		100
42) Bromodichloromethane	7.96	83	2624546	9.881	ppbv		99
43) Methyl Methacrylate	8.18	69	1405593	10.543	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032483.D
Acq On : 10 Sep 2018 17:29
Operator : SY/AP
Sample : VL0910ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Quant Time: Sep 11 01:10:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5890305	9.695	ppbv		99
45) t-1,3-Dichloropropene	9.46	75	1776023	12.450	ppbv		99
46) cis-1,3-Dichloropropene	8.88	75	2030110	11.137	ppbv		98
47) 1,1,2-Trichloroethane	9.66	97	1386803	9.702	ppbv		100
48) Dibromochloromethane	10.50	129	2256181	11.396	ppbv		99
49) Bromoform	13.25	173	1681000	9.769	ppbv		99
50) 4-Methyl-2-Pentanone	8.91	43	3510812	9.502	ppbv		100
51) 2-Hexanone	10.32	43	3084280	12.960	ppbv		100
52) Tetrachloroethene	11.42	164	954562	9.796	ppbv		97
53) Toluene	9.99	91	3903809	11.885	ppbv		100
54) 1,2-Dibromoethane	10.81	107	2084525	10.861	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.33	131	1453454	7.517	ppbv	#	58
57) Chlorobenzene	12.35	112	2596063	7.574	ppbv		99
58) Ethyl Benzene	12.91	91	4752572	9.260	ppbv		98
59) m/p-Xylene	13.20	91	3520907	7.695	ppbv	#	15
60) o-Xylene	13.90	91	3807605	8.472	ppbv		99
61) Styrene	13.73	104	2891222	9.937	ppbv		99
62) Isopropylbenzene	14.88	105	5353207	8.473	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.88	83	2892594	7.198	ppbv		100
64) n-propylbenzene	15.77	120	1425504	8.630	ppbv		100
65) tert-Butylbenzene	16.96	119	4573698	8.401	ppbv		100
66) Benzyl Chloride	17.20	91	2864650	9.445	ppbv		100
67) sec-Butylbenzene	17.51	105	6797274	8.302	ppbv		99
69) p-Isopropyltoluene	17.86	119	5427054	8.552	ppbv		100
70) n-Butylbenzene	18.76	91	5995808	8.335	ppbv		99
71) 2-Chlorotoluene	15.67	91	4238676	8.781	ppbv		99
72) 4-Ethyltoluene	16.05	105	4489107	9.148	ppbv		100
73) 1,3,5-Trimethylbenzene	16.21	105	4260468	8.666	ppbv		99
74) 1,2,4-Trimethylbenzene	16.97	105	4314815	8.028	ppbv		97
75) 1,3-Dichlorobenzene	17.21	146	2423033	7.598	ppbv		99
76) 1,4-Dichlorobenzene	17.35	146	2415500	8.163	ppbv		99
77) 1,2-Dichlorobenzene	18.04	146	2403821	7.812	ppbv		99
78) Hexachloro-1,3-Butadiene	23.59	225	763075	6.637	ppbv		100
79) Naphthalene	22.47	128	3985149	9.118	ppbv		99
80) Naphthalene,2-methyl-	25.15	142	1479470	12.722	ppbv		99
81) 1,2,4-Trichlorobenzene	22.19	180	1908506	8.670	ppbv		99

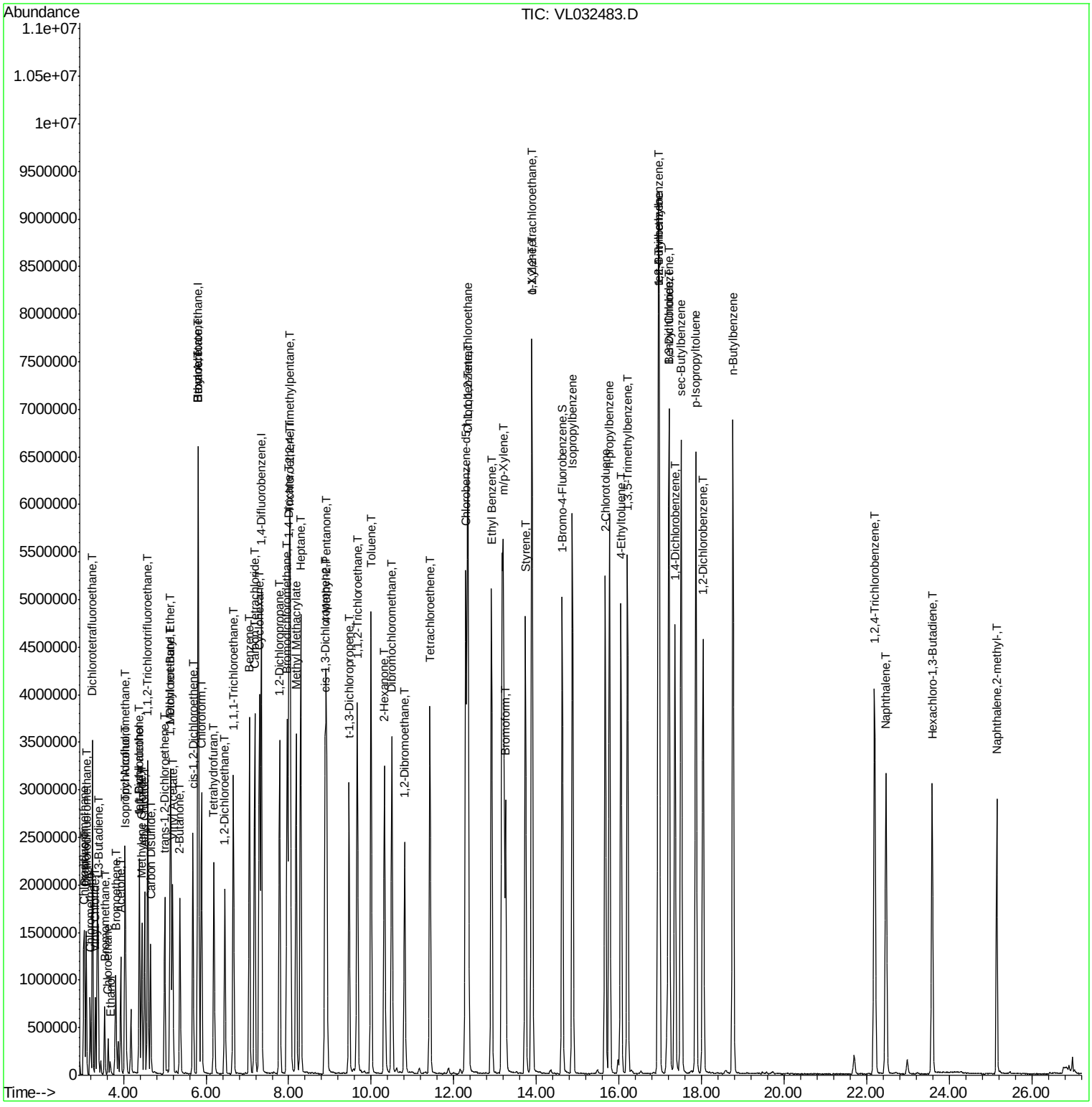
(#) = qualifier out of range (m) = manual integration (+) = signals summed

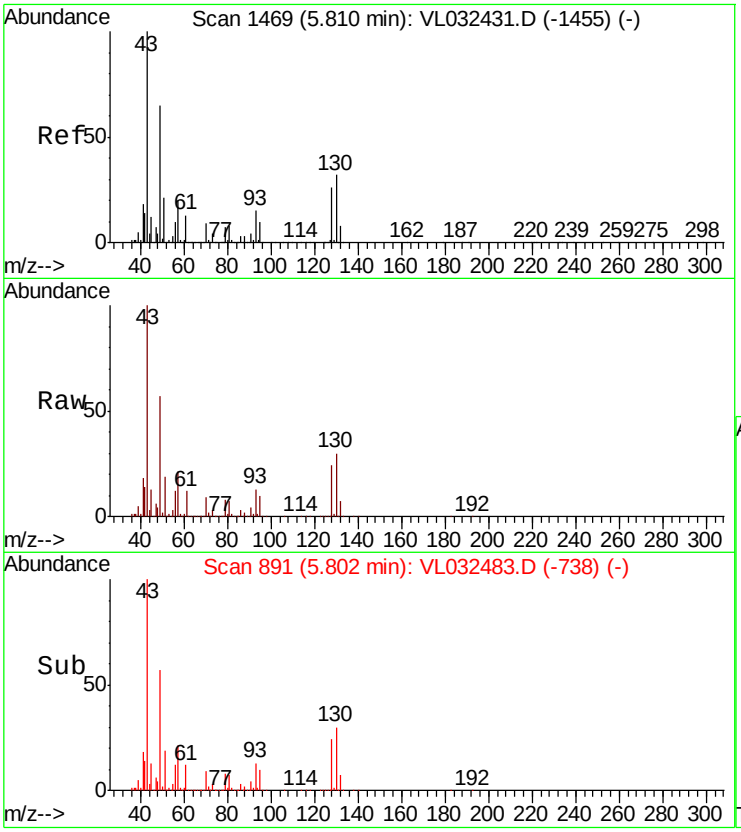
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091018\
Data File : VL032483.D
Acq On : 10 Sep 2018 17:29
Operator : SY/AP
Sample : VL0910ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Quant Time: Sep 11 01:10:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 31 21:33:46 2018
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration



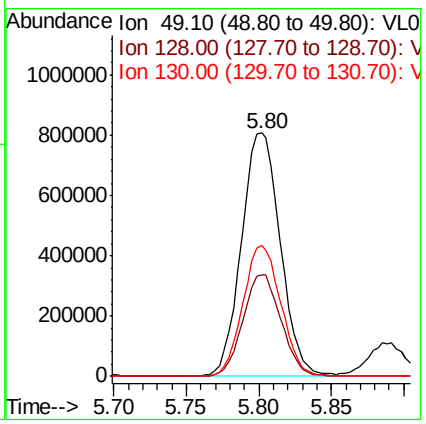


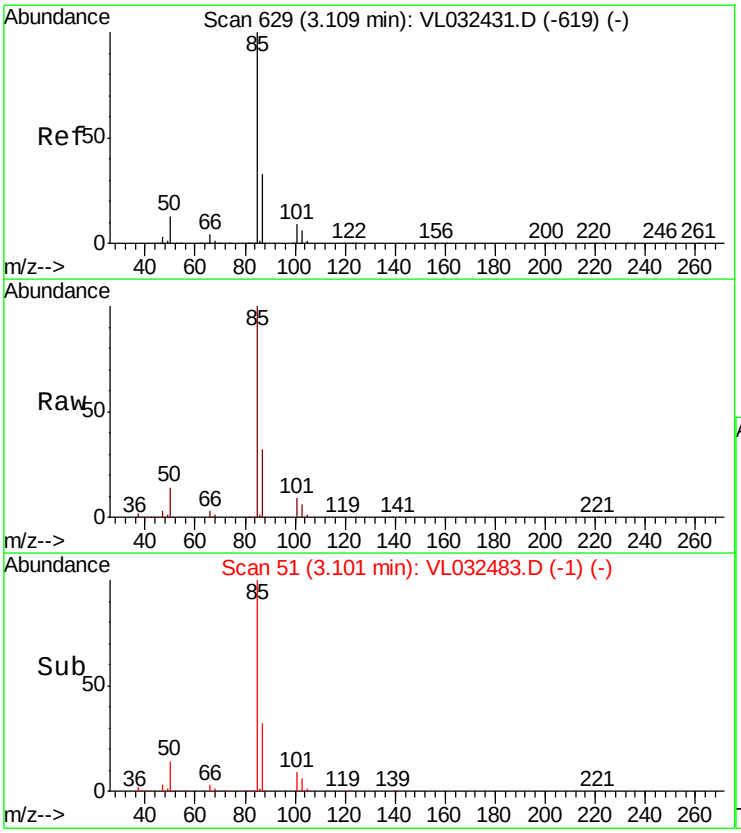
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 49 Resp: 1507879

Ion	Ratio	Lower	Upper
49	100		
128	41.3	20.7	62.1
130	53.0	26.6	79.7

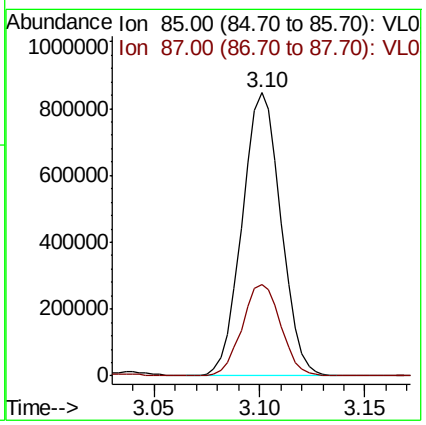


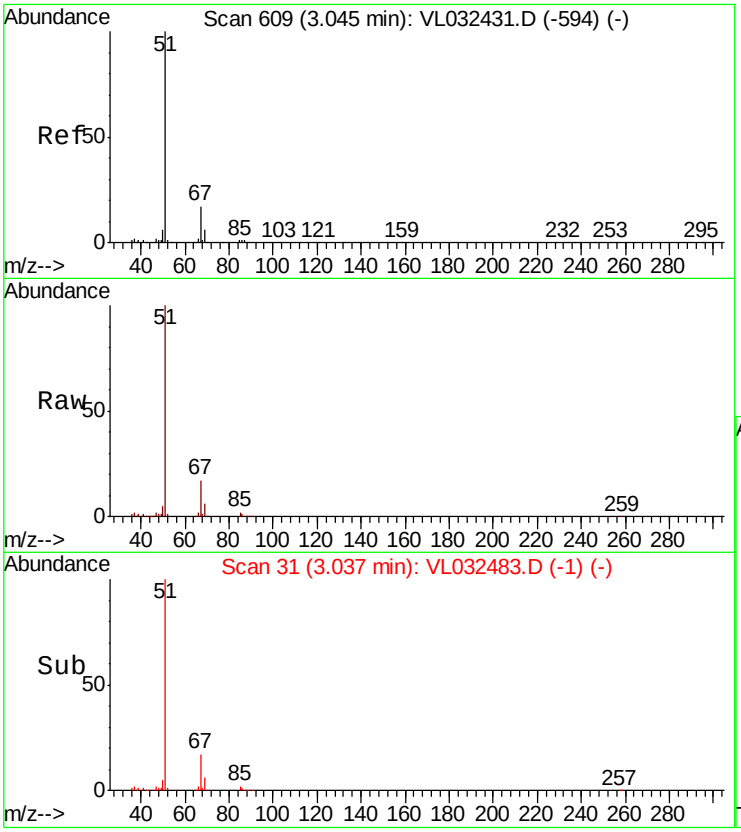


#2
Dichlorodifluoromethane
Concen: 5.614 ppbv
RT: 3.10 min Scan# 51
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 85 Resp: 1082872

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.2	39.4



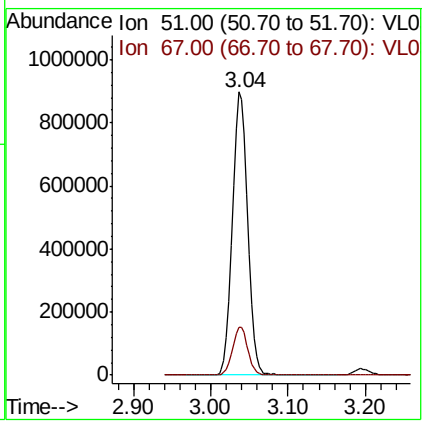


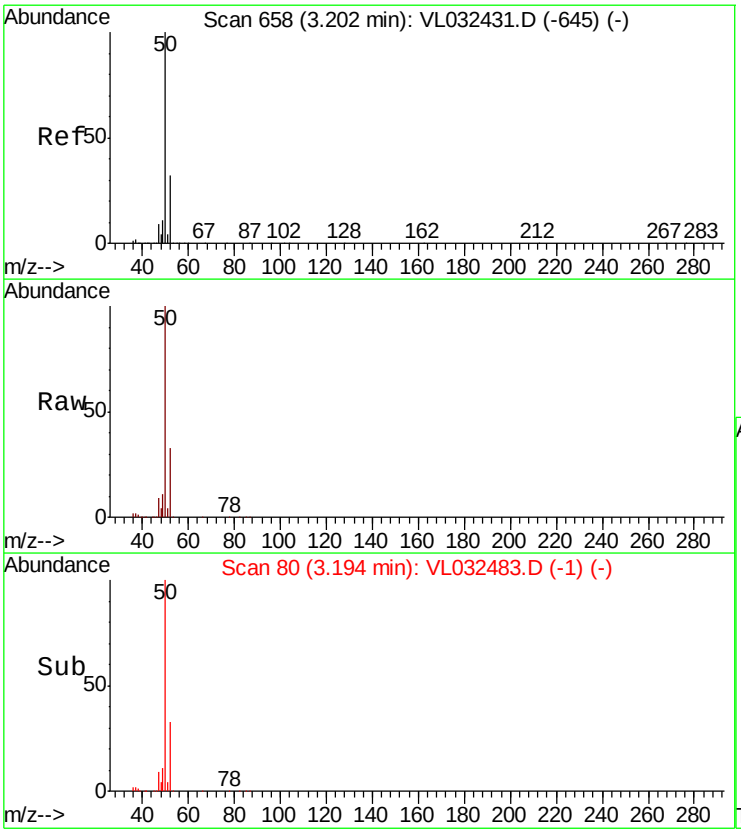
#3
Chlorodifluoromethane
Concen: 8.770 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 51 Resp: 1197119

Ion	Ratio	Lower	Upper
51	100		
67	16.9	13.8	20.8

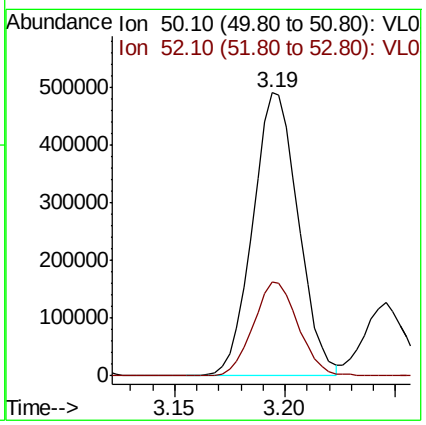


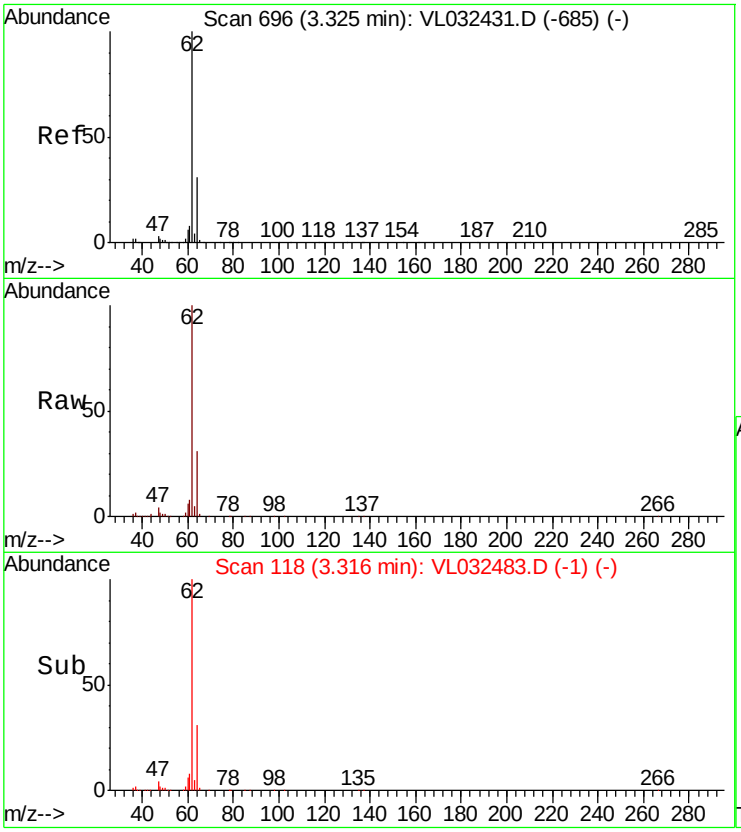


#4
Chloromethane
Concen: 8.507 ppbv
RT: 3.19 min Scan# 80
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 50 Resp: 703064

Ion	Ratio	Lower	Upper
50	100		
52	33.2	25.6	38.4



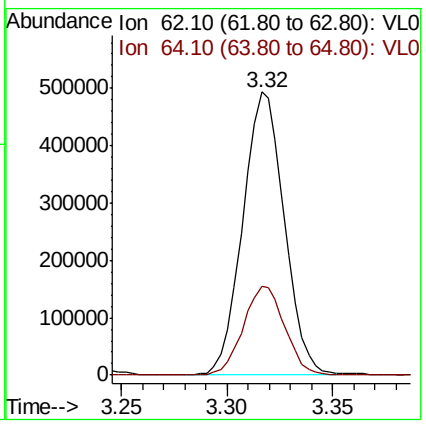


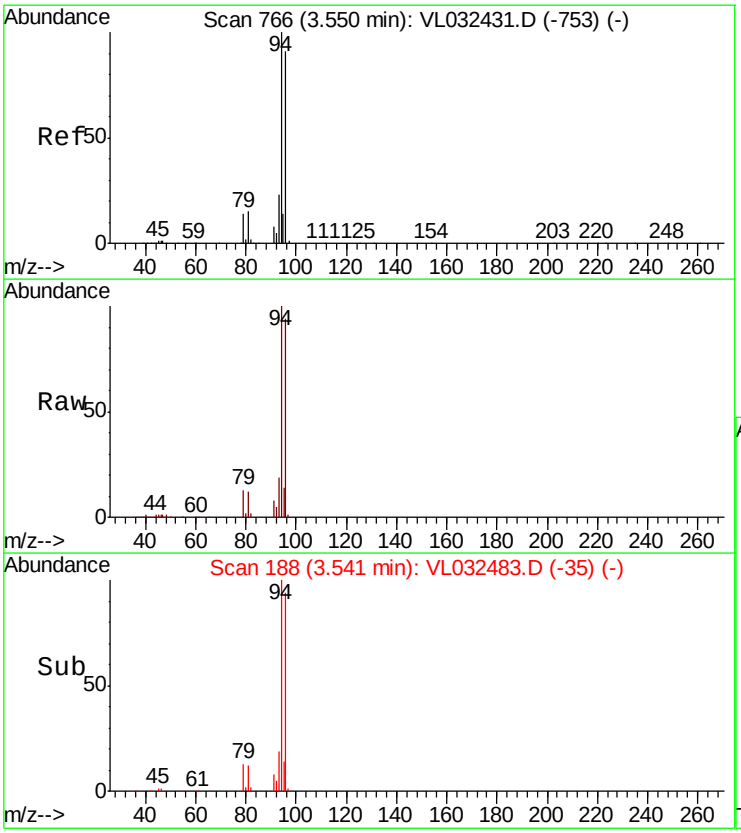
#5
Vinyl Chloride
Concen: 8.286 ppbv
RT: 3.32 min Scan# 118
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 62 Resp: 675923

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.0	37.6

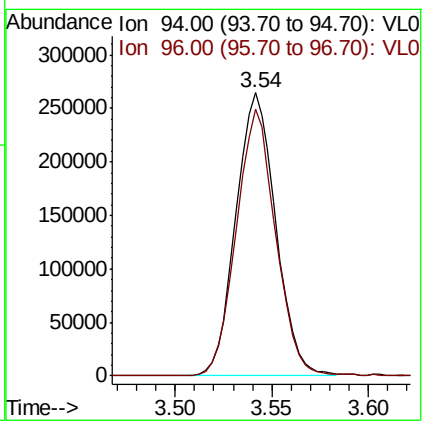


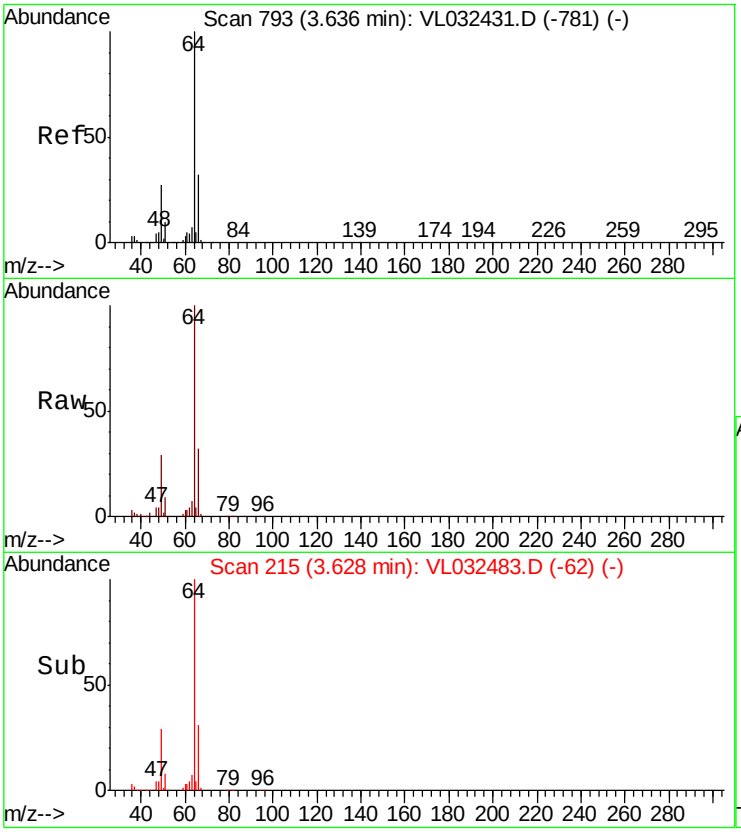


#6
Bromomethane
Concen: 8.830 ppbv
RT: 3.54 min Scan# 188
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 94 Resp: 378095

Ion	Ratio	Lower	Upper
94	100		
96	94.2	72.8	109.2



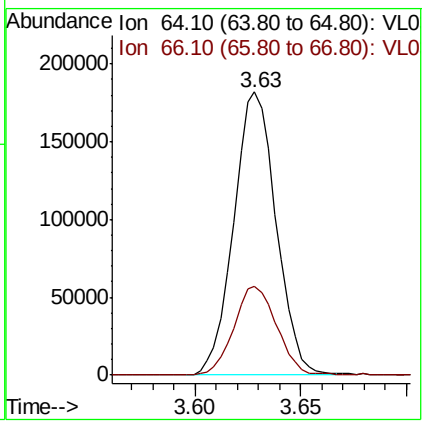


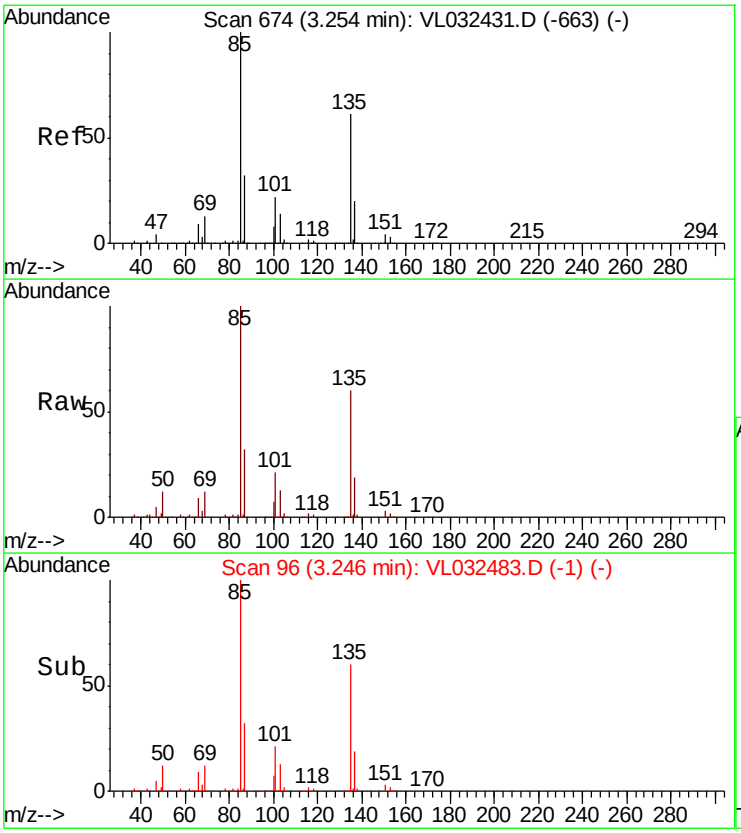
#7
Chloroethane
Concen: 8.999 ppbv
RT: 3.63 min Scan# 215
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 64 Resp: 254095

Ion	Ratio	Lower	Upper
64	100		
66	31.5	25.8	38.6

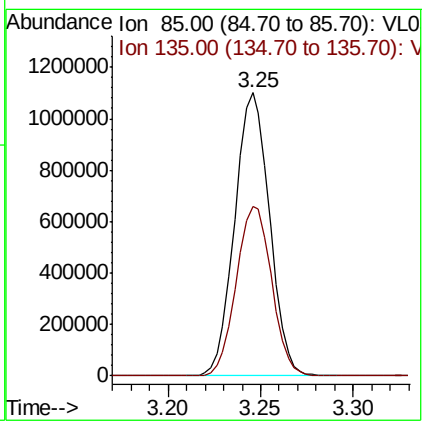


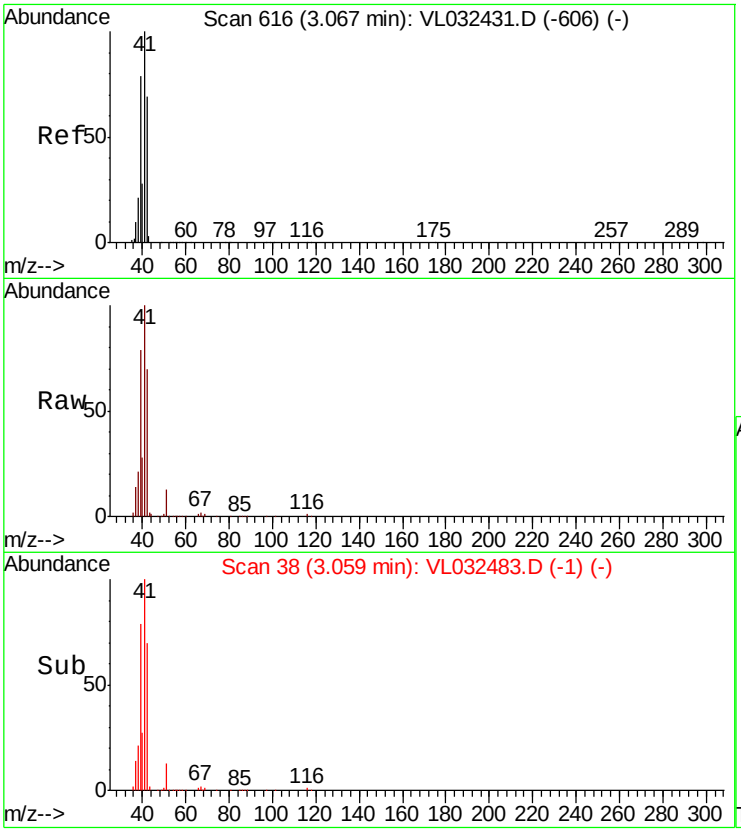


#8
Dichlorotetrafluoroethane
Concen: 8.353 ppbv
RT: 3.25 min Scan# 96
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 85 Resp: 1429938

Ion	Ratio	Lower	Upper
85	100		
135	61.3	48.6	72.8



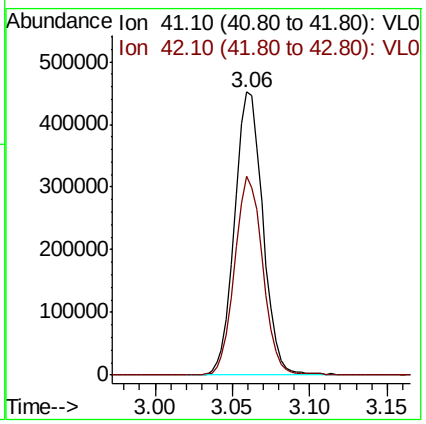


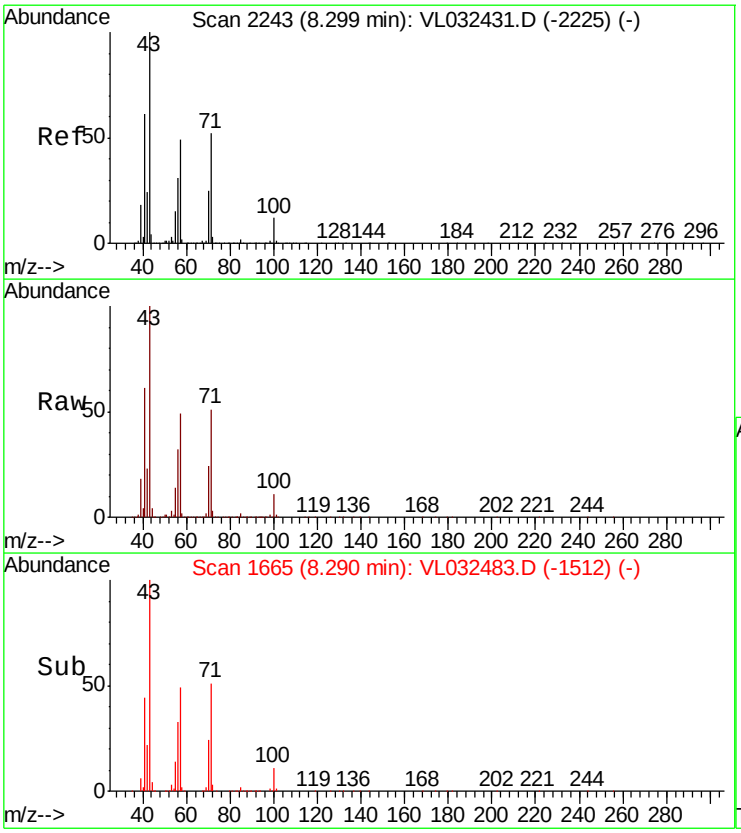
#9
Propene
Concen: 10.383 ppbv
RT: 3.06 min Scan# 38
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 41 Resp: 571684

Ion	Ratio	Lower	Upper
41	100		
42	70.1	56.6	84.8

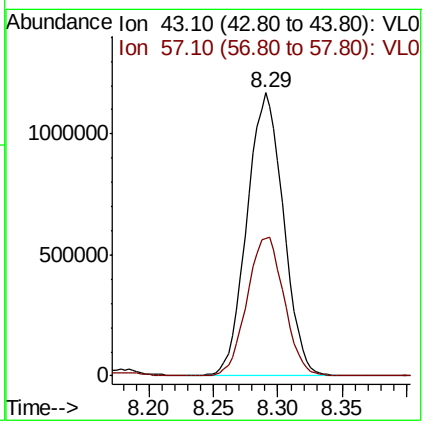


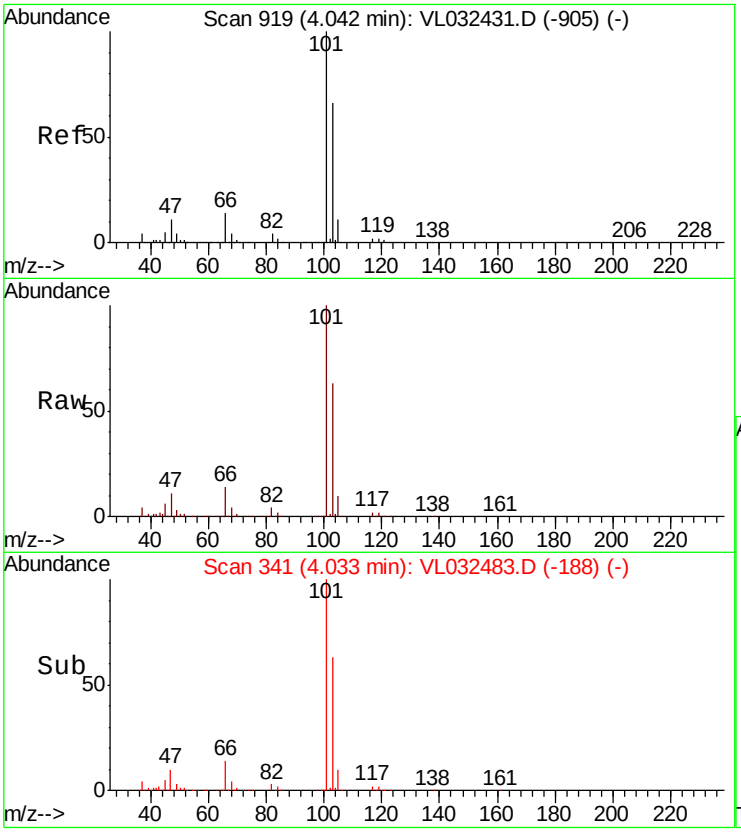


#10
Heptane
Concen: 11.639 ppbv
RT: 8.29 min Scan# 1665
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 43 Resp: 2298965

Ion	Ratio	Lower	Upper
43	100		
57	49.9	39.6	59.4



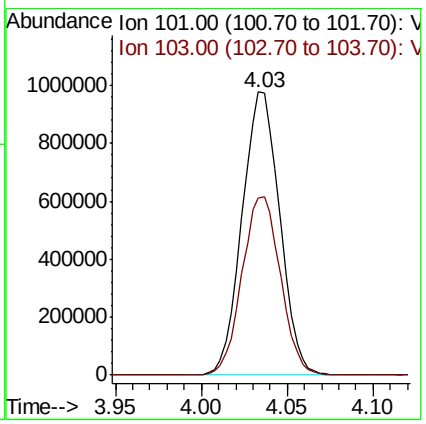


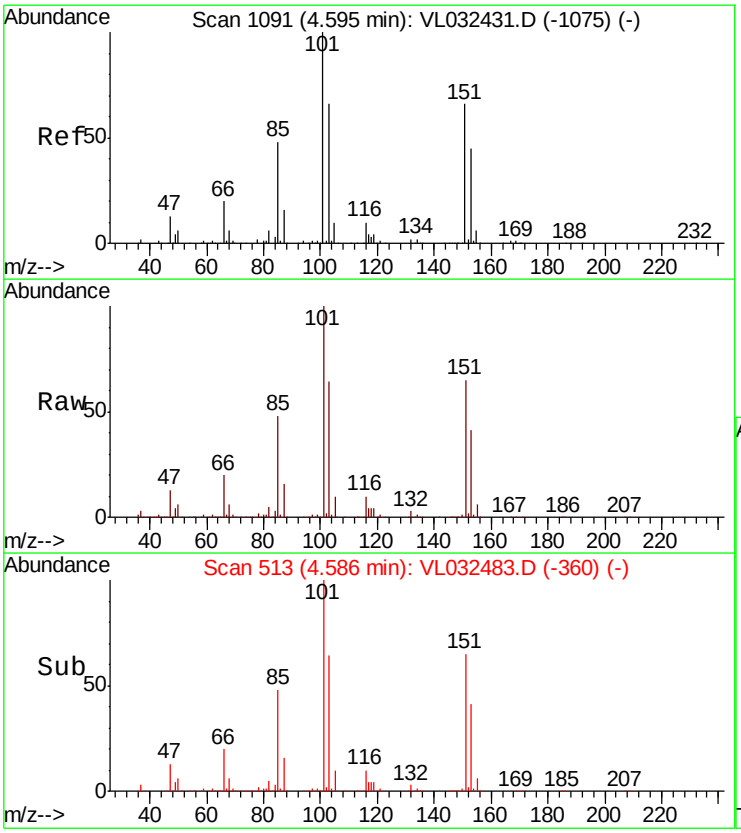
#11
Trichlorofluoromethane
Concen: 8.555 ppbv
RT: 4.03 min Scan# 341
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:101 Resp: 1487884

Ion	Ratio	Lower	Upper
101	100		
103	62.8	52.8	79.2

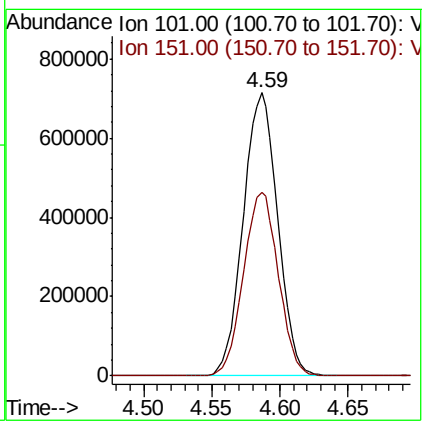


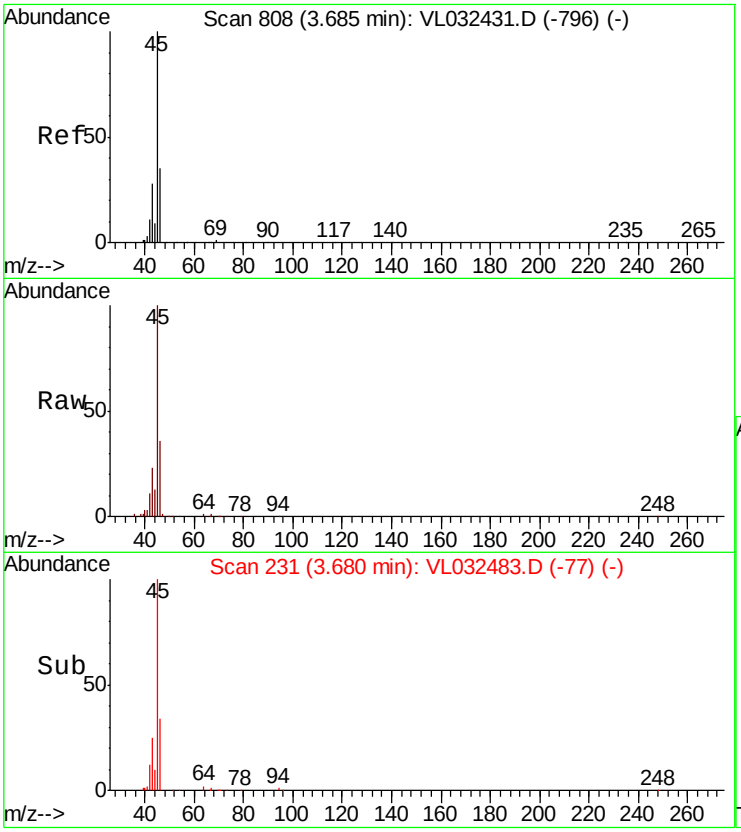


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.661 ppbv
RT: 4.59 min Scan# 513
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:101 Resp: 1256502

Ion	Ratio	Lower	Upper
101	100		
151	65.5	52.6	78.8



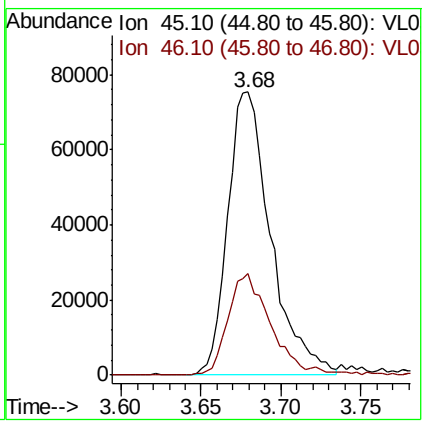


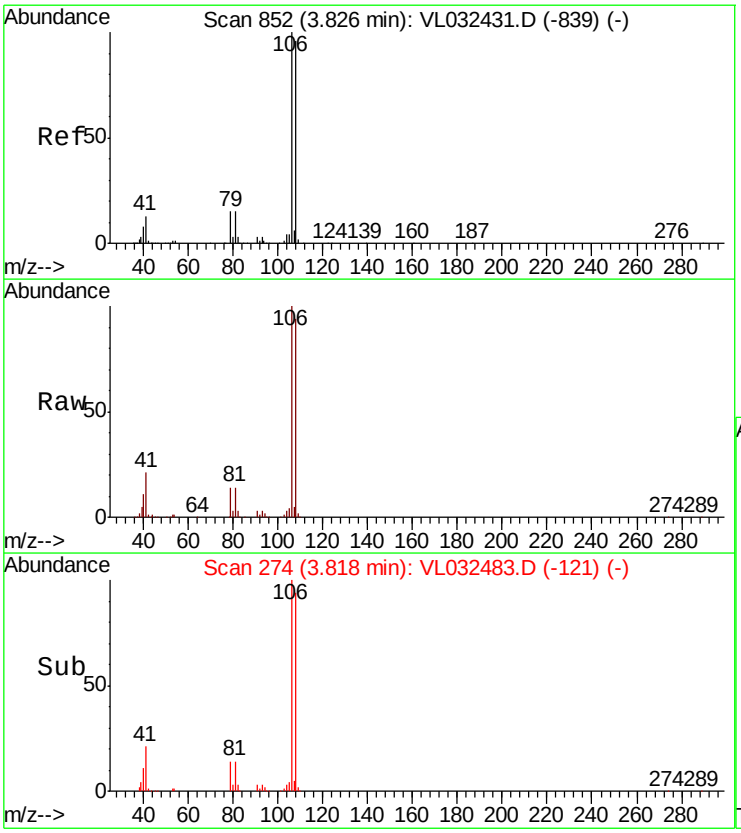
#13
Ethanol
Concen: 8.046 ppbv
RT: 3.68 min Scan# 231
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 45 Resp: 138087

Ion	Ratio	Lower	Upper
45	100		
46	35.8	14.2	56.8

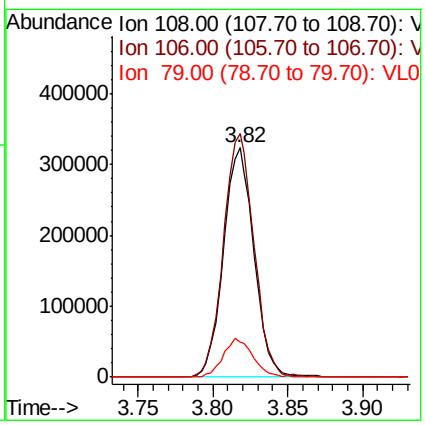


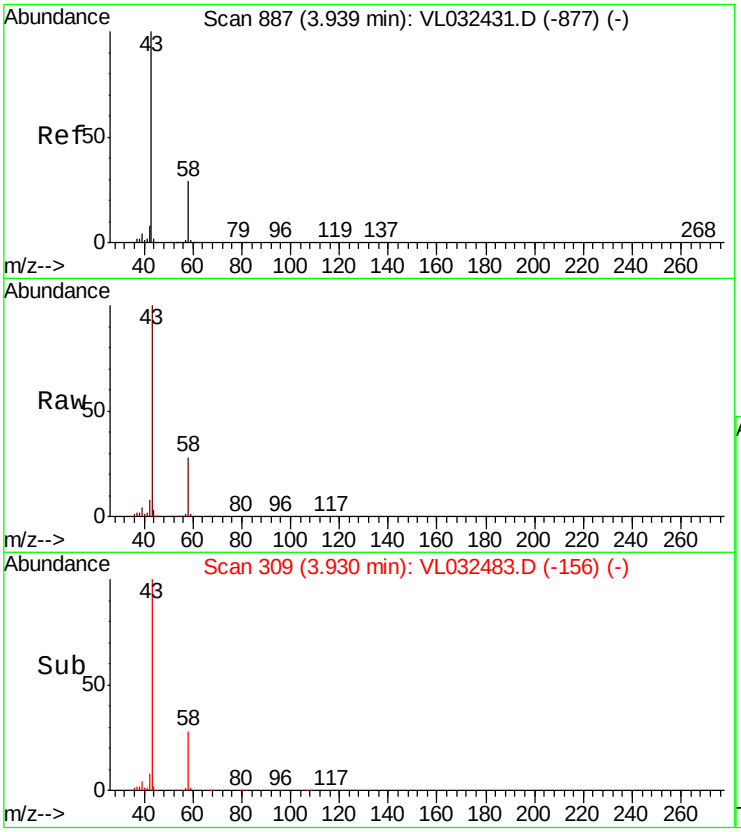


#14
Bromoethene
Concen: 9.195 ppbv
RT: 3.82 min Scan# 274
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:108 Resp: 459115

Ion	Ratio	Lower	Upper
108	100		
106	106.7	85.5	128.3
79	16.7	13.0	19.6



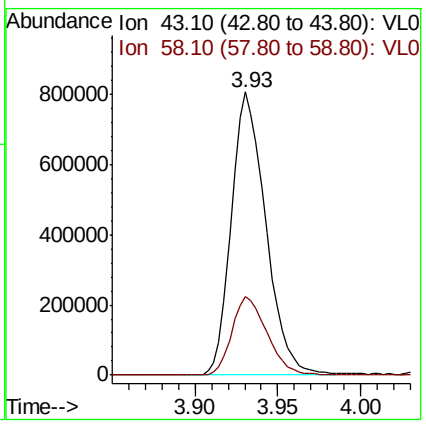


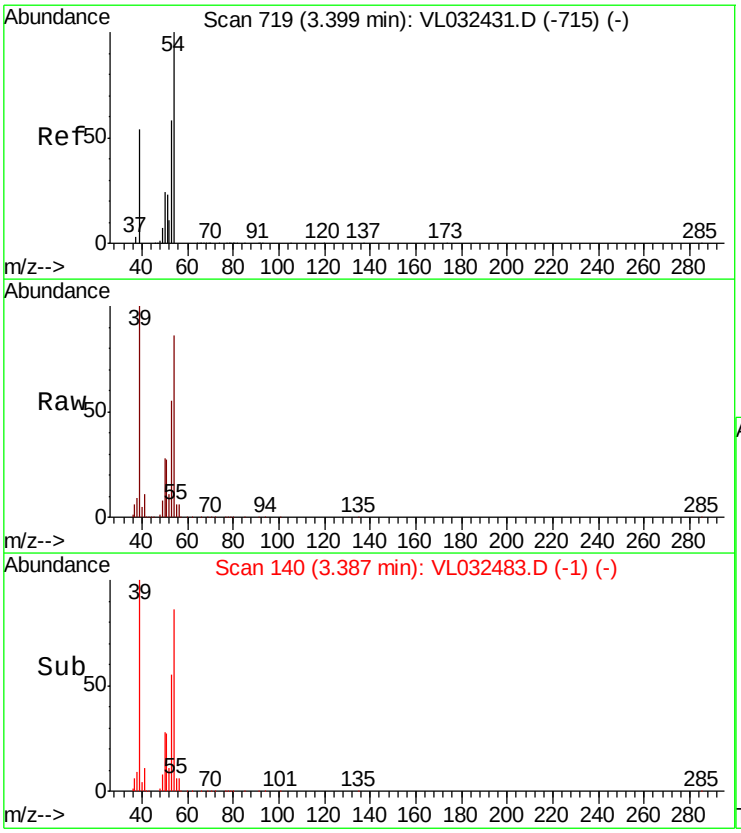
#15
Acetone
Concen: 8.579 ppbv
RT: 3.93 min Scan# 309
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 43 Resp: 1164904

Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.6	33.8

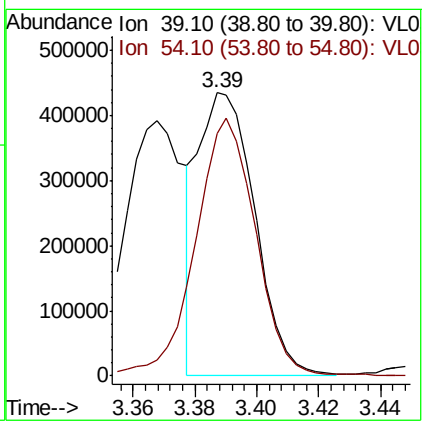


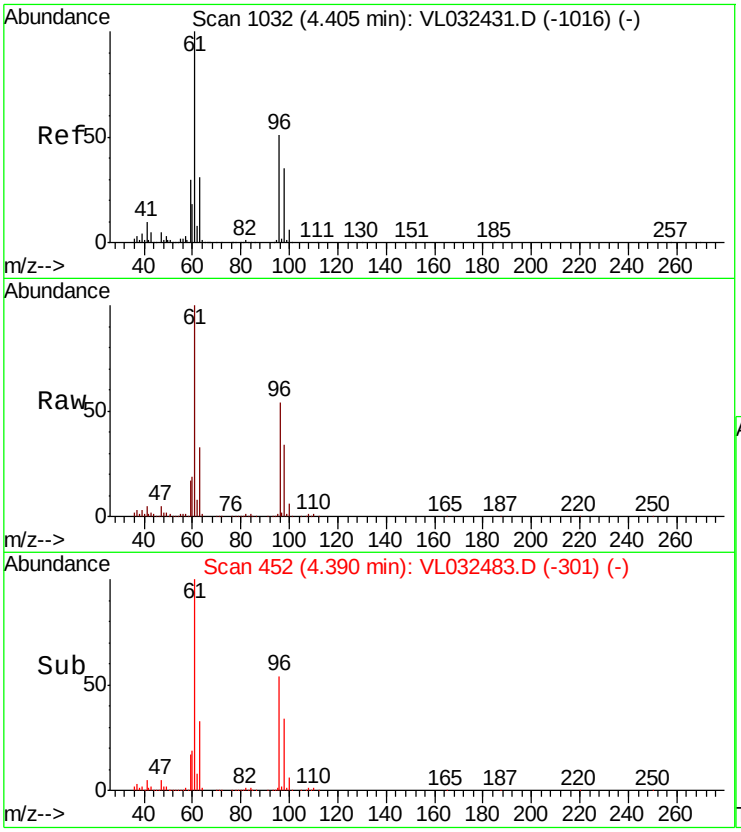


#16
1,3-Butadiene
Concen: 8.584 ppbv
RT: 3.39 min Scan# 140
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 39 Resp: 548492

Ion	Ratio	Lower	Upper
39	100		
54	98.2	80.8	121.2



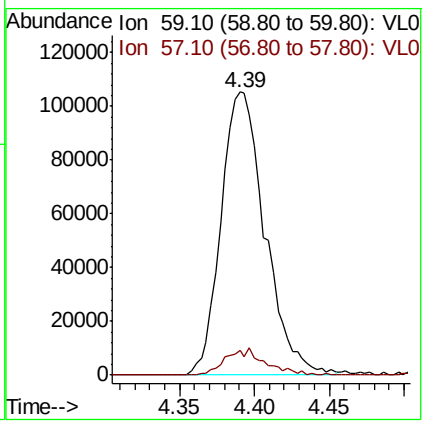


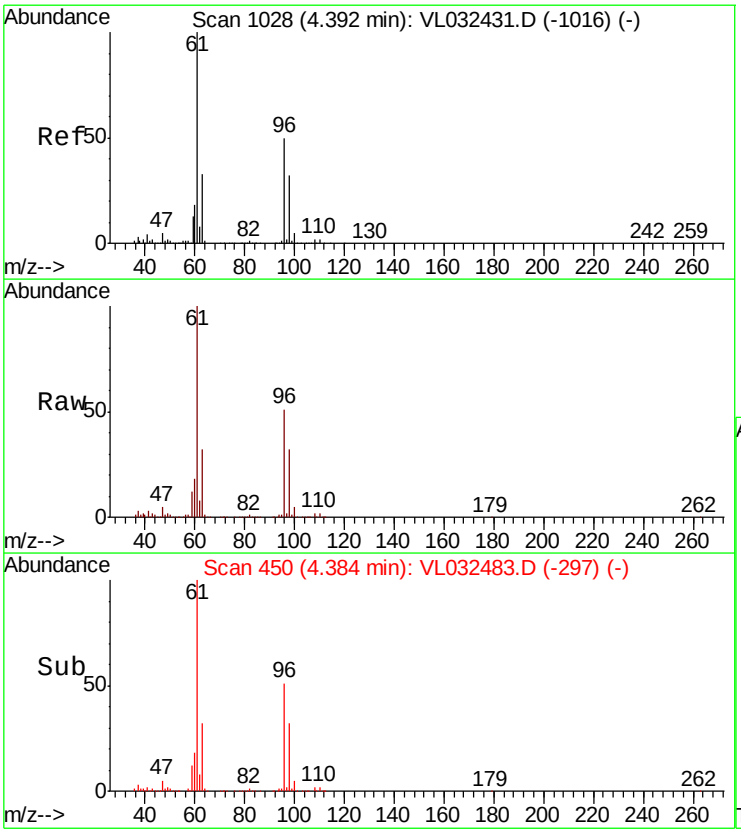
#17
tert-Butyl alcohol
Concen: 10.219 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 59 Resp: 213549

Ion	Ratio	Lower	Upper
59	100		
57	8.6	0.0	0.0#

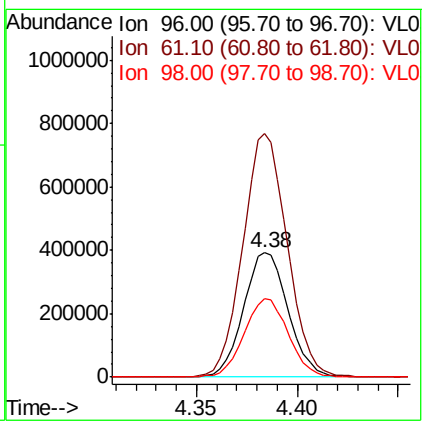


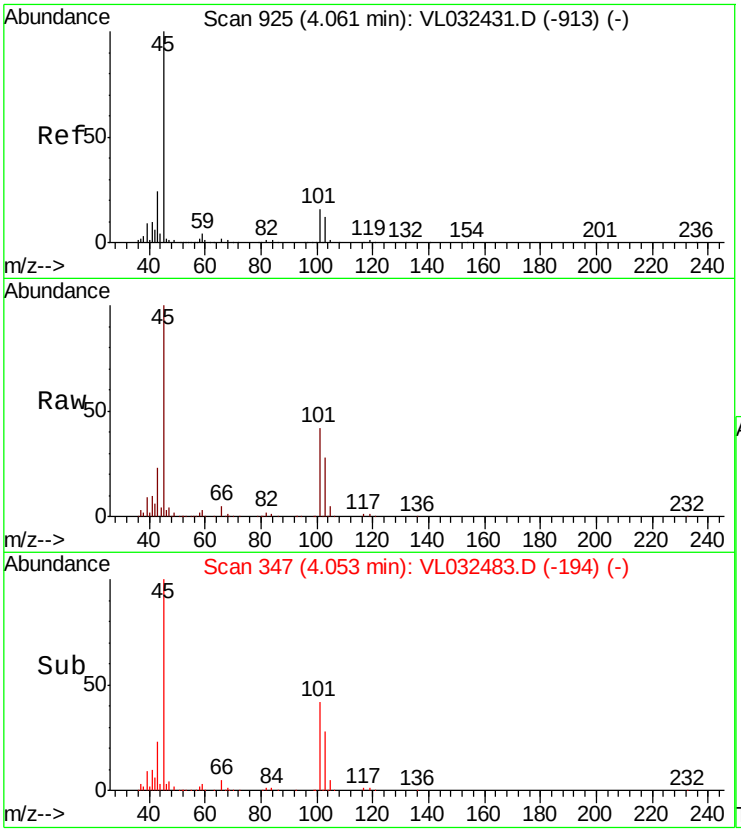


#18
1,1-Dichloroethene
Concen: 11.206 ppbv
RT: 4.38 min Scan# 450
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 96 Resp: 603541

Ion	Ratio	Lower	Upper
96	100		
61	195.4	159.2	238.8
98	63.0	51.0	76.4



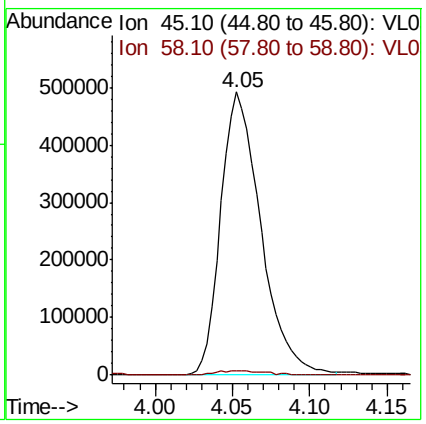


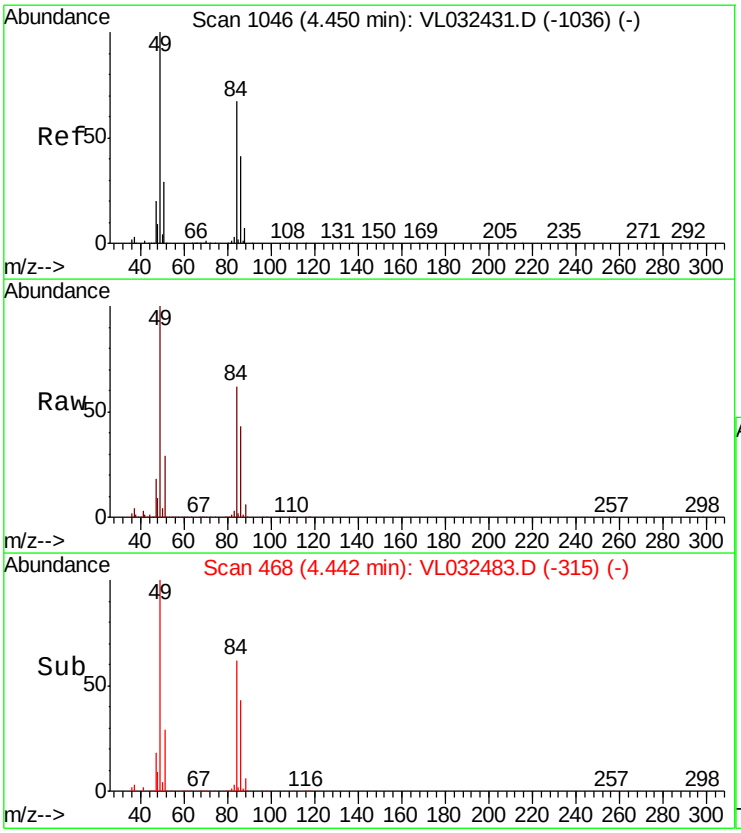
#19
Isopropyl Alcohol
Concen: 9.921 ppbv
RT: 4.05 min Scan# 347
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 45 Resp: 883789

Ion	Ratio	Lower	Upper
45	100		
58	1.9	2.0	3.0#

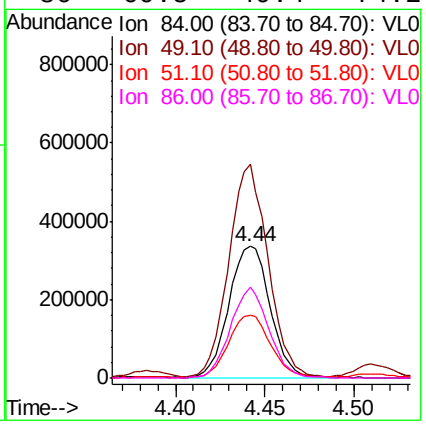


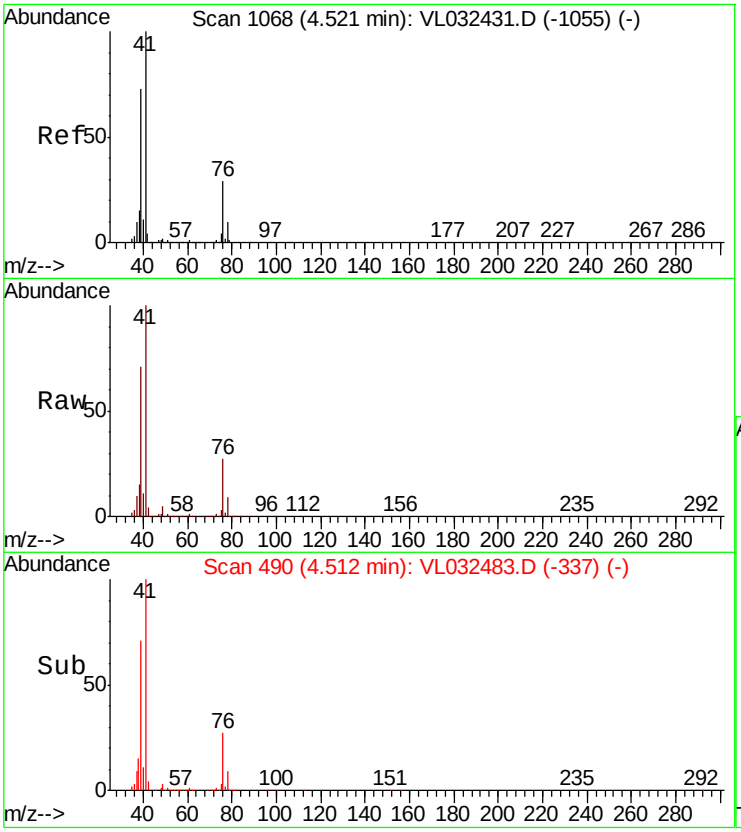


#20
Methylene Chloride
Concen: 10.435 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 84 Resp: 540278

Ion	Ratio	Lower	Upper
84	100		
49	161.8	119.1	178.7
51	47.4	35.2	52.8
86	69.5	49.4	74.2



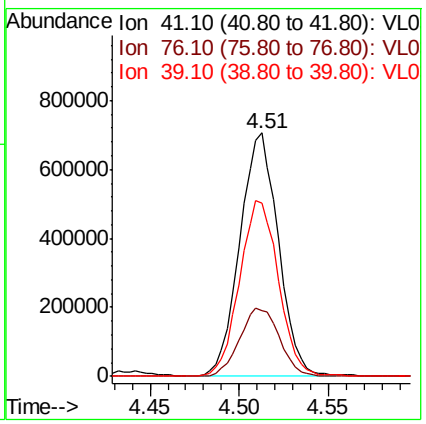


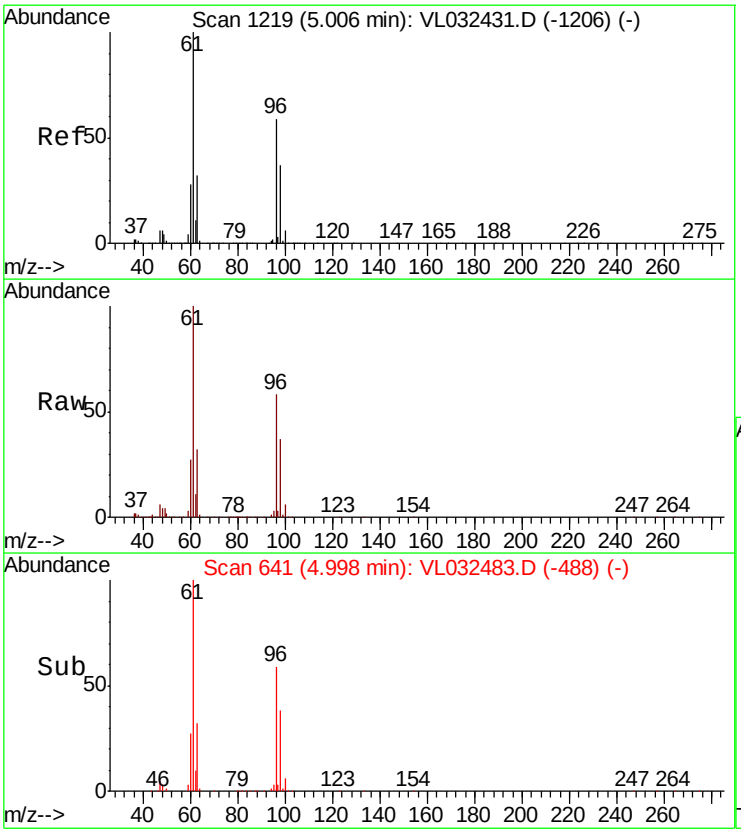
#21
Allyl Chloride
Concen: 11.773 ppbv
RT: 4.51 min Scan# 490
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 41 Resp: 1061768

Ion	Ratio	Lower	Upper
41	100		
76	29.1	23.6	35.4
39	73.1	57.7	86.5

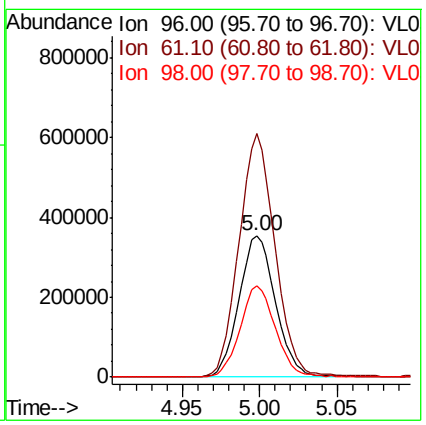


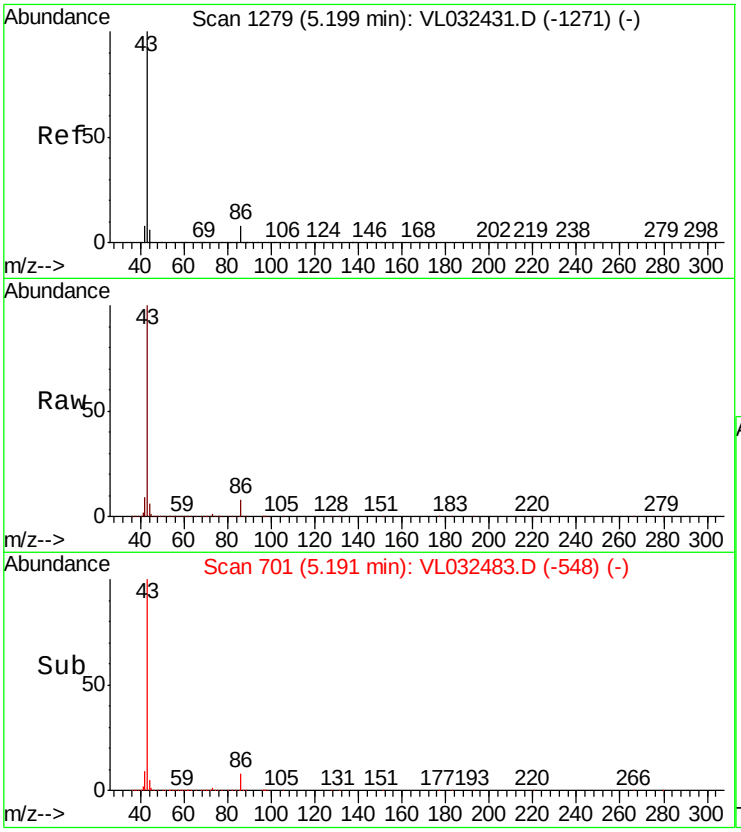


#22
trans-1,2-Dichloroethene
Concen: 9.941 ppbv
RT: 5.00 min Scan# 641
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 96 Resp: 580972

Ion	Ratio	Lower	Upper
96	100		
61	171.8	136.2	204.4
98	64.3	50.4	75.6



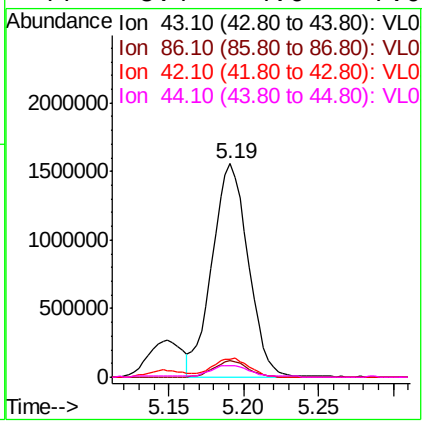


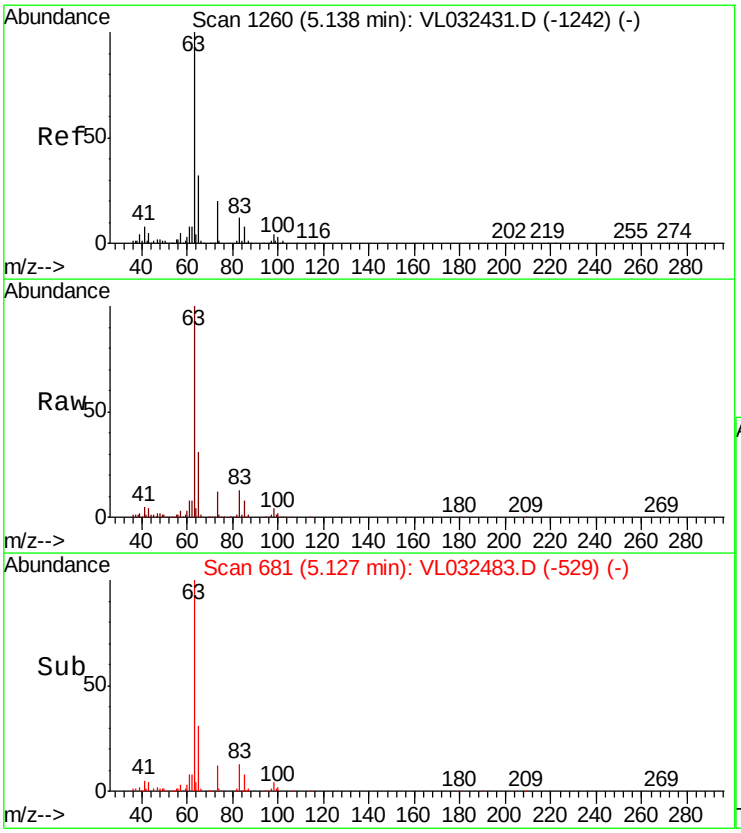
#23
Vinyl Acetate
Concen: 11.591 ppbv
RT: 5.19 min Scan# 701
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 43 Resp: 2608810

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.9	8.9
42	8.7	6.9	10.3
44	5.4	4.6	7.0

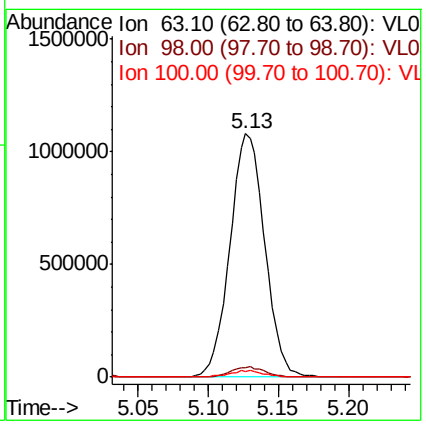


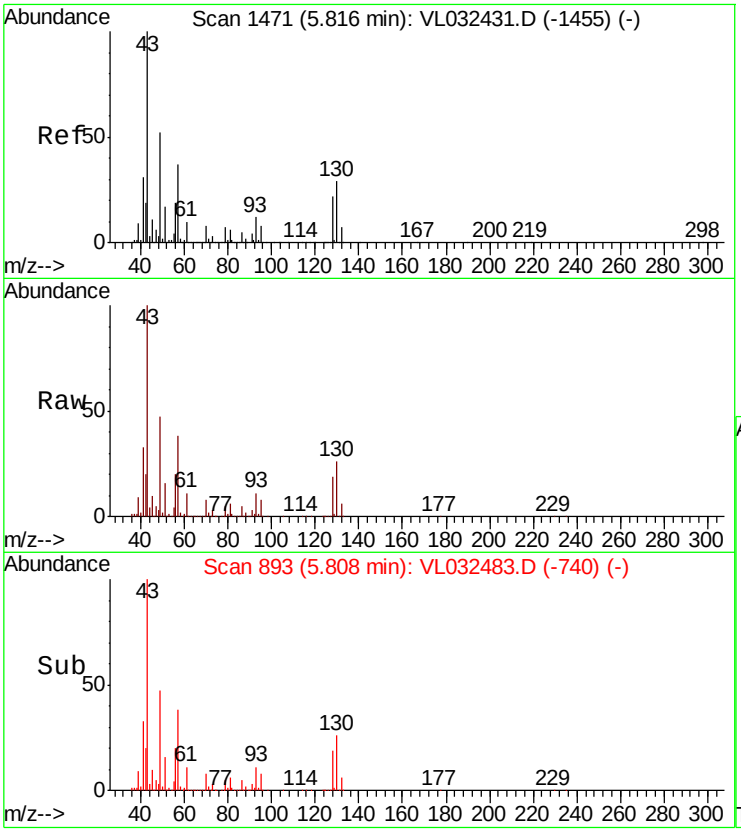


#24
1,1-Dichloroethane
Concen: 10.052 ppbv
RT: 5.13 min Scan# 681
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 63 Resp: 1864162

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.5
100	2.2	1.5	4.4



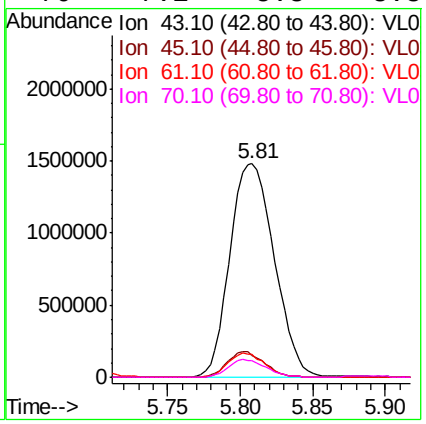


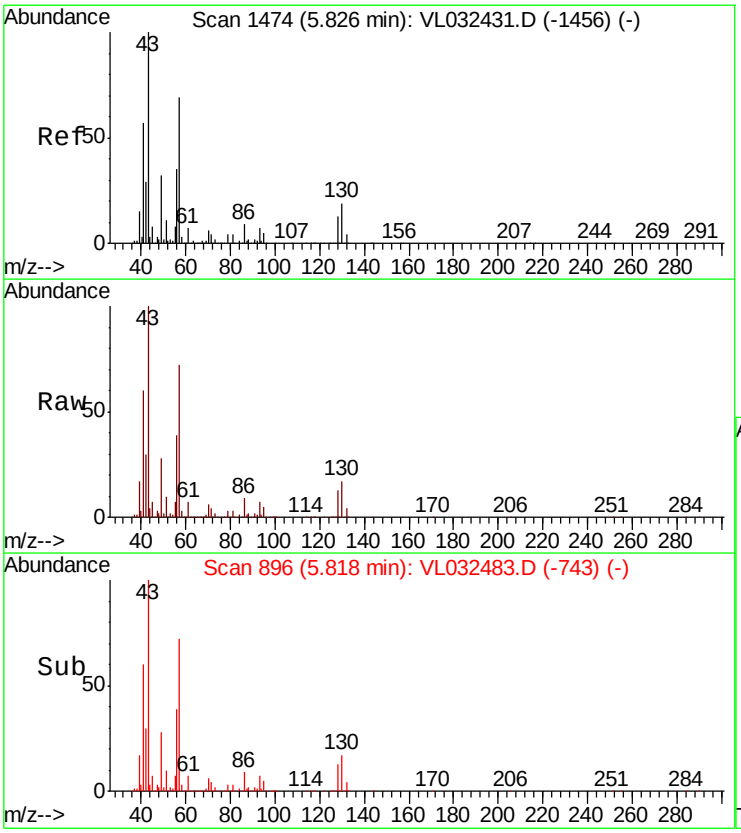
#25
Ethyl Acetate
Concen: 9.824 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 43 Resp: 3150129

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.3	7.6	11.4
70	7.1	5.8	8.8

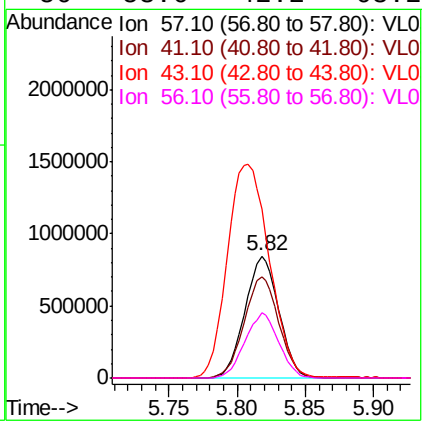


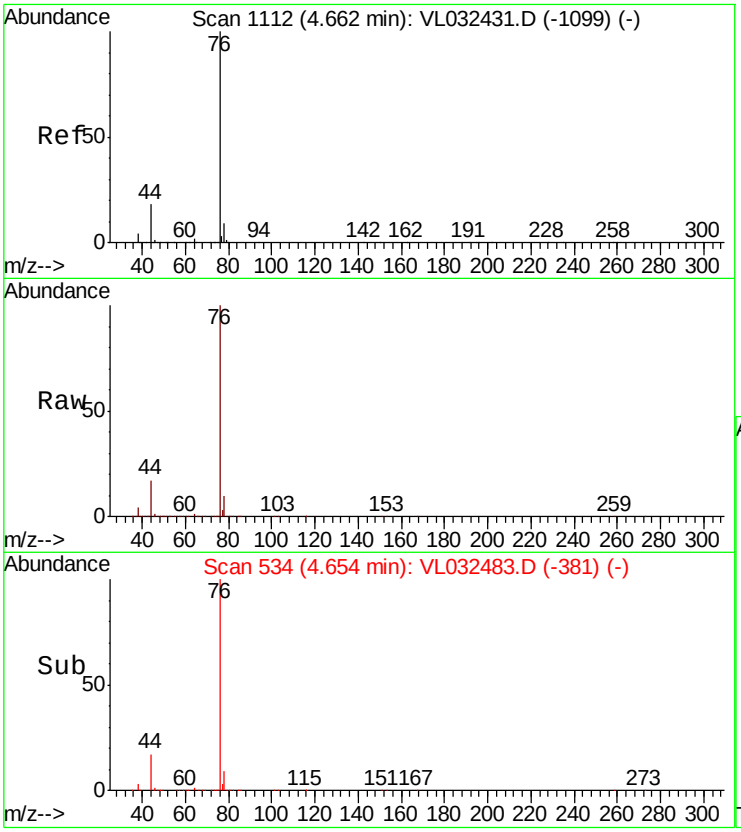


#26
Hexane
Concen: 10.130 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 57 Resp: 1454570

Ion	Ratio	Lower	Upper
57	100		
41	85.2	69.0	103.4
43	217.8	172.1	258.1
56	53.6	42.2	63.2



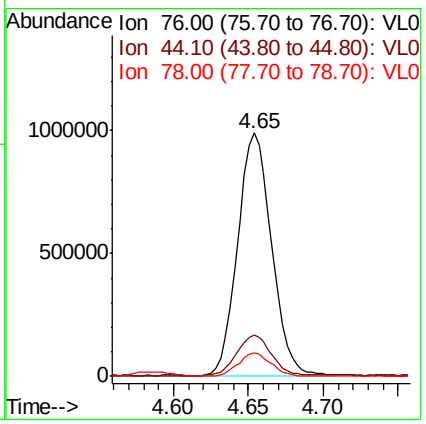


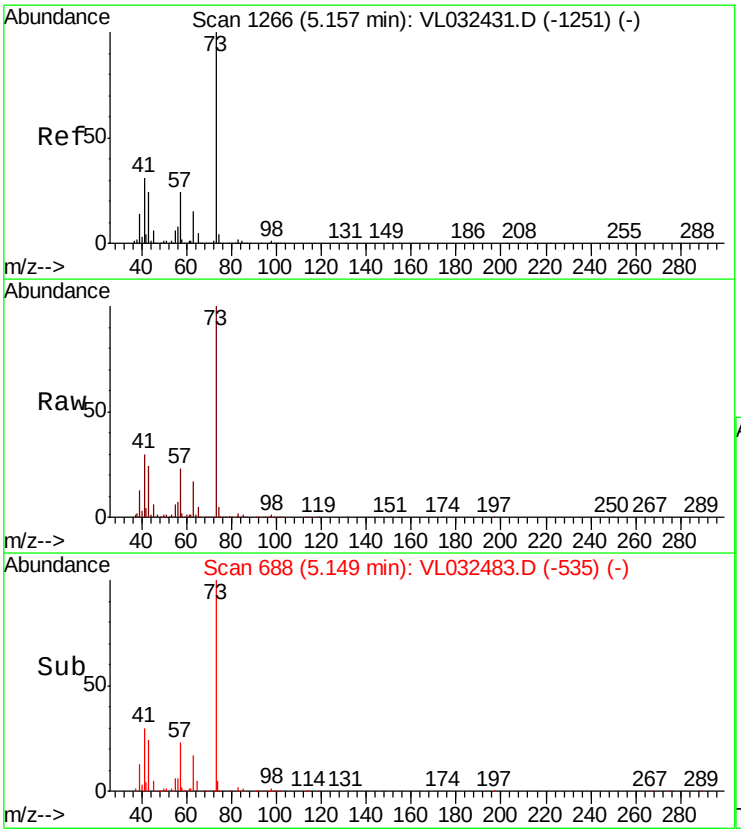
#27
Carbon Disulfide
Concen: 11.848 ppbv
RT: 4.65 min Scan# 534
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 76 Resp: 1570385

Ion	Ratio	Lower	Upper
76	100		
44	16.7	14.0	21.0
78	9.4	7.5	11.3

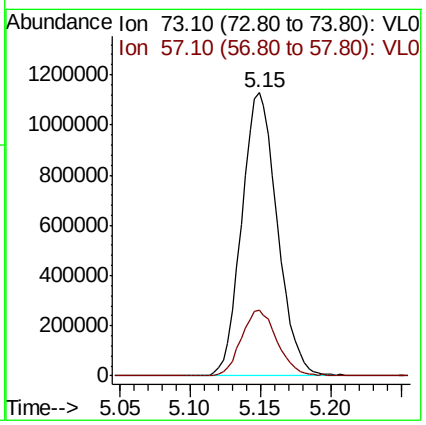


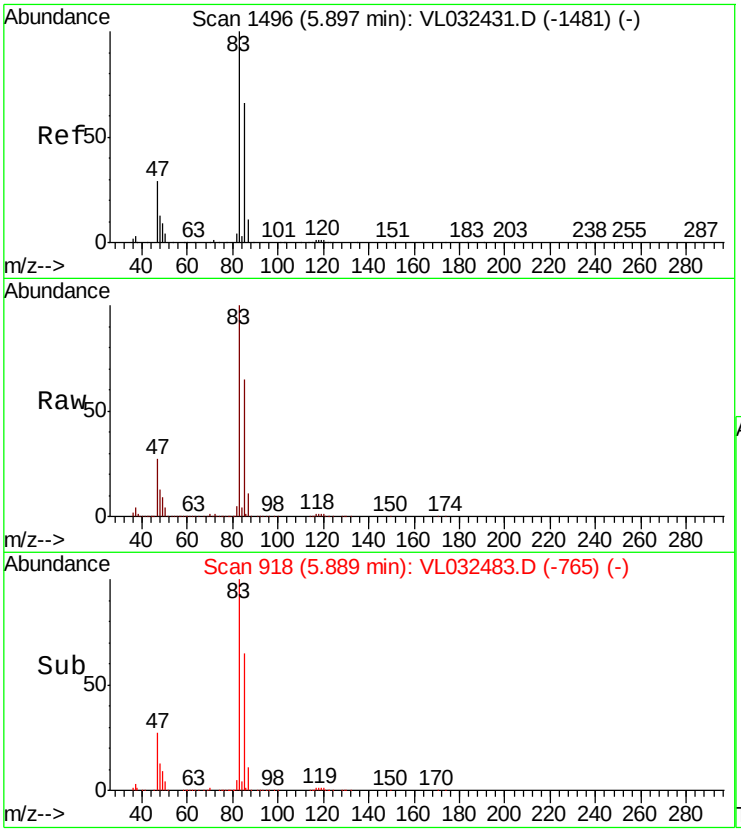


#28
Methyl tert-Butyl Ether
Concen: 11.322 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 73 Resp: 1995892

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.3	28.9



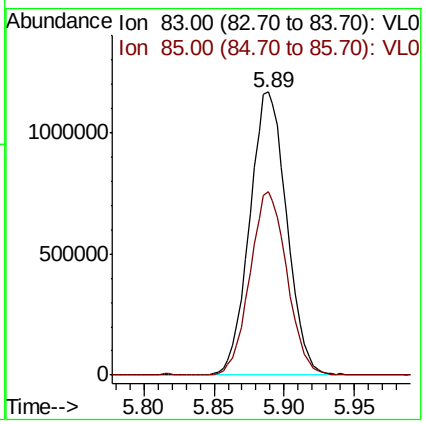


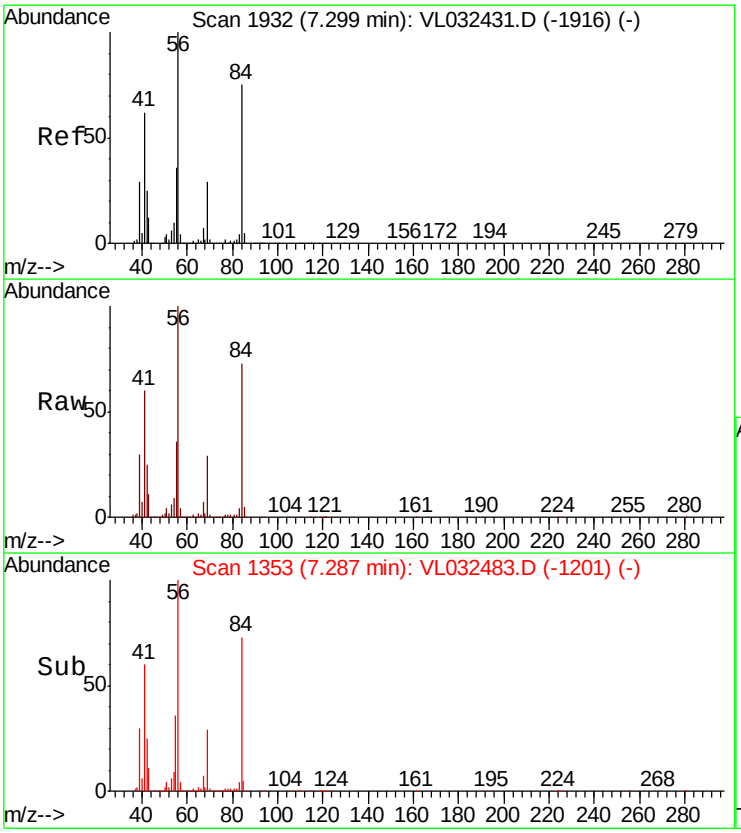
#29
Chloroform
Concen: 9.803 ppbv
RT: 5.89 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 83 Resp: 2146161

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7

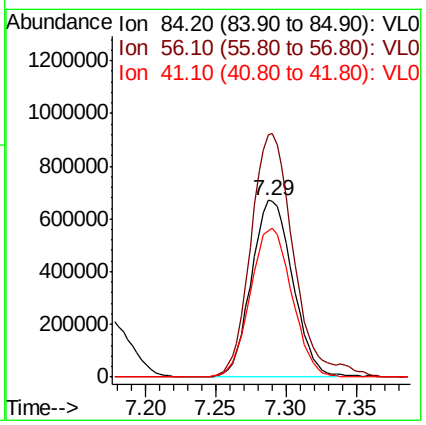


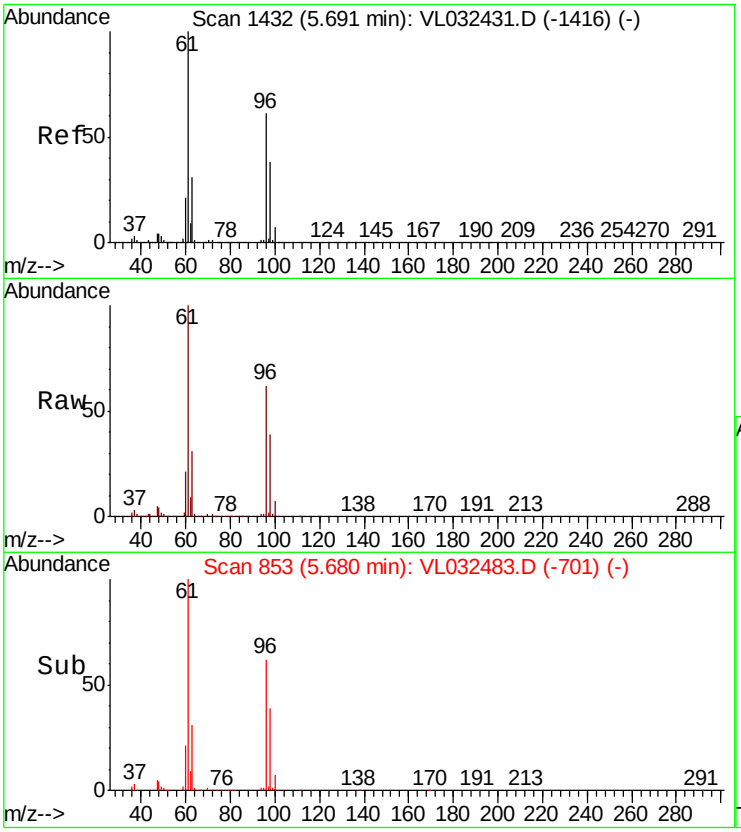


#30
Cyclohexane
Concen: 13.045 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 84 Resp: 1371514

Ion	Ratio	Lower	Upper
84	100		
56	143.4	113.5	170.3
41	85.3	68.1	102.1



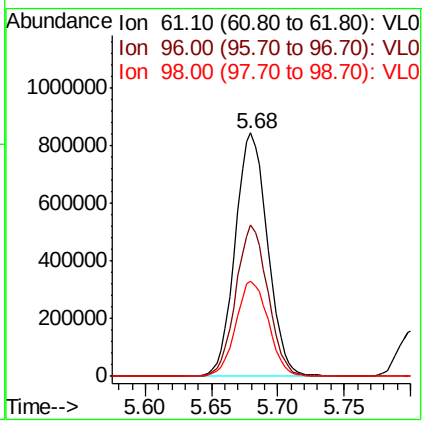


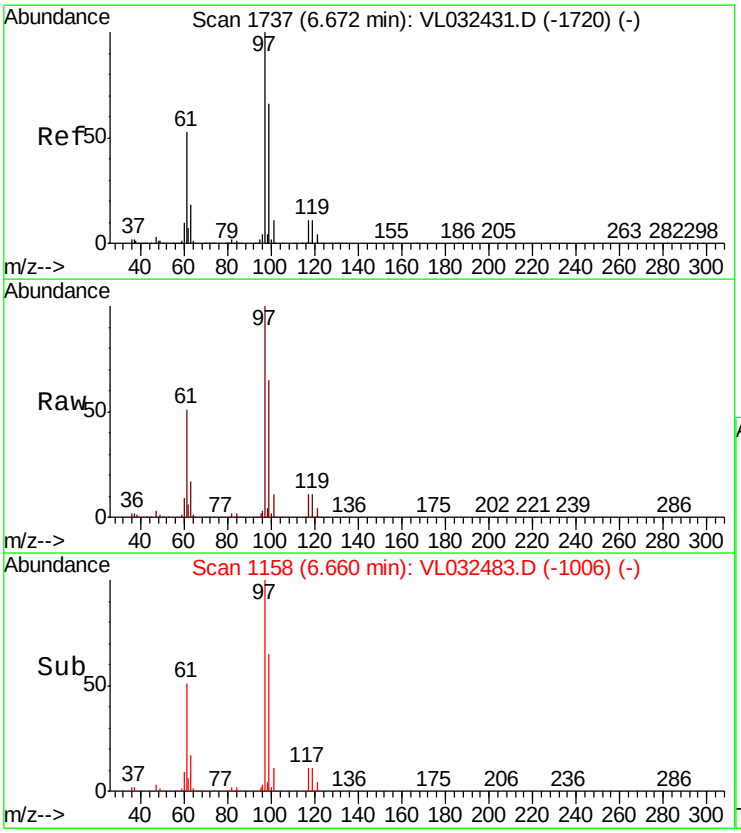
#31
cis-1,2-Dichloroethene
Concen: 11.062 ppbv
RT: 5.68 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 61 Resp: 1438237

Ion	Ratio	Lower	Upper
61	100		
96	62.0	49.2	73.8
98	39.2	30.7	46.1

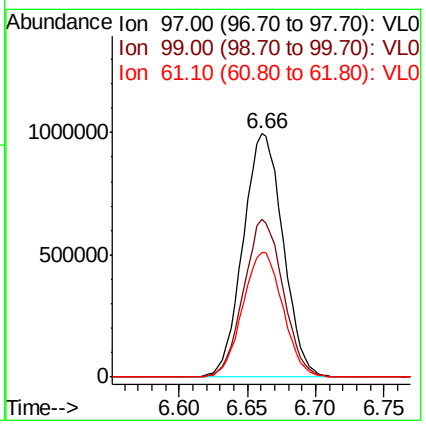


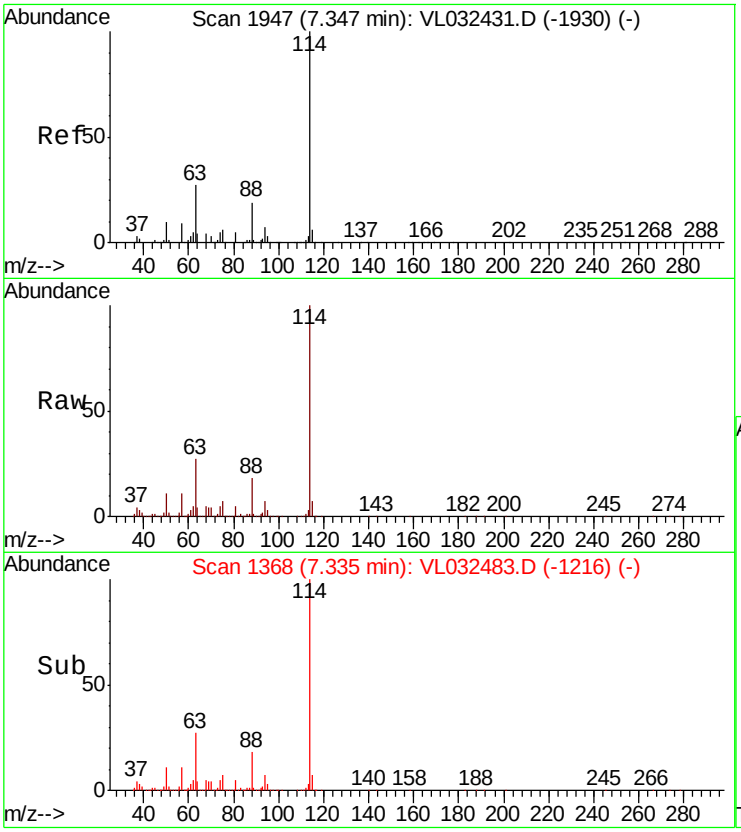


#32
1,1,1-Trichloroethane
Concen: 9.944 ppbv
RT: 6.66 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 97 Resp: 2029137

Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.1	78.1
61	51.5	42.5	63.7



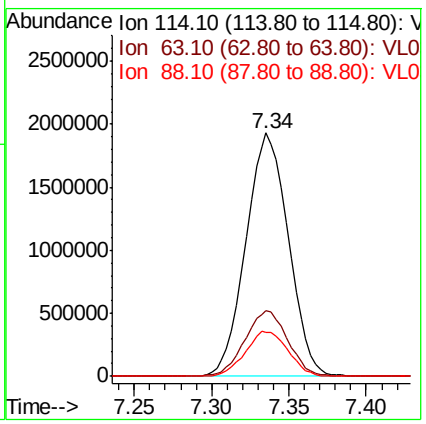


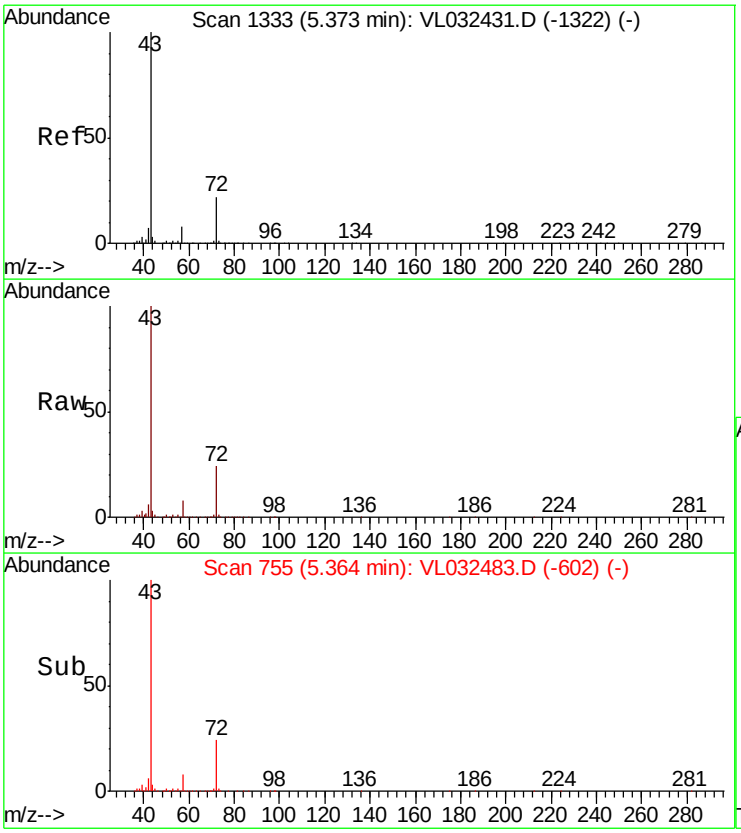
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:114 Resp: 3692600

Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.2	33.4
88	18.7	15.0	22.4

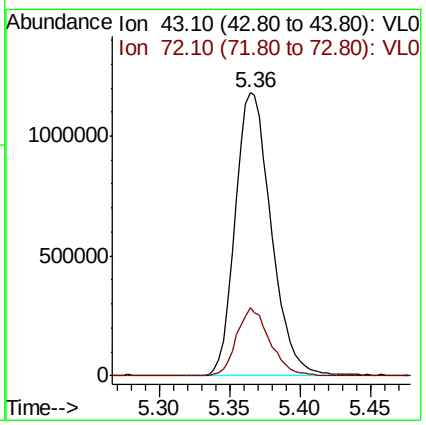


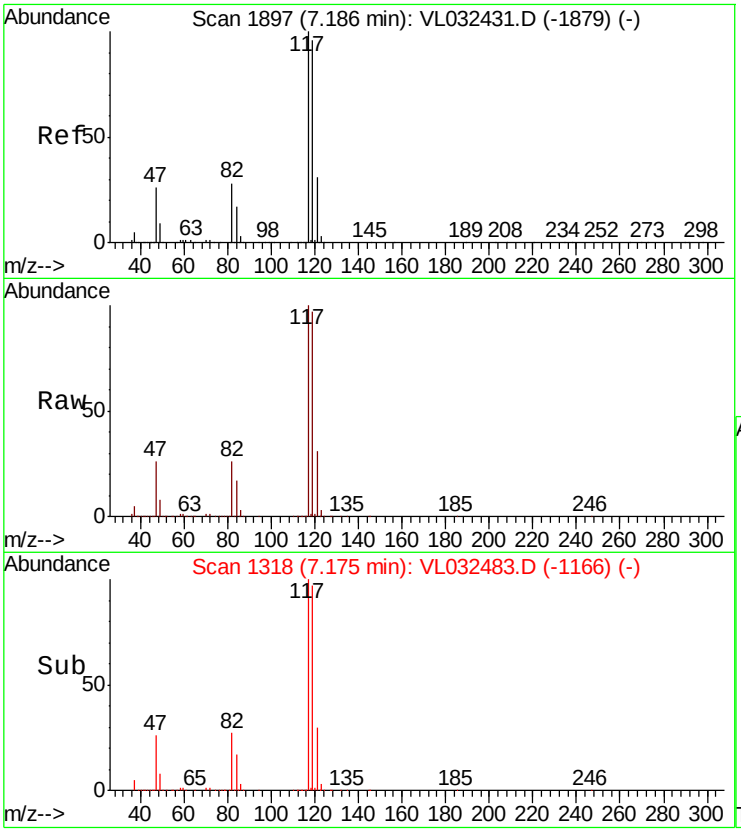


#34
2-Butanone
Concen: 8.563 ppbv
RT: 5.36 min Scan# 755
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 43 Resp: 2100189

Ion	Ratio	Lower	Upper
43	100		
72	22.3	17.8	26.6



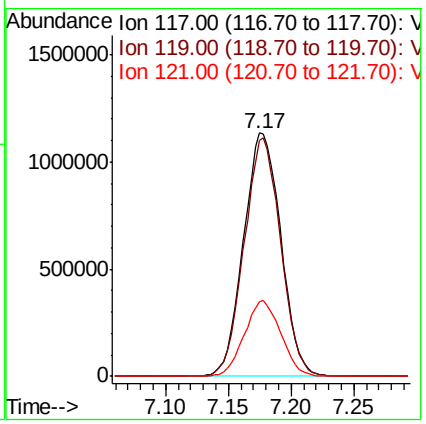


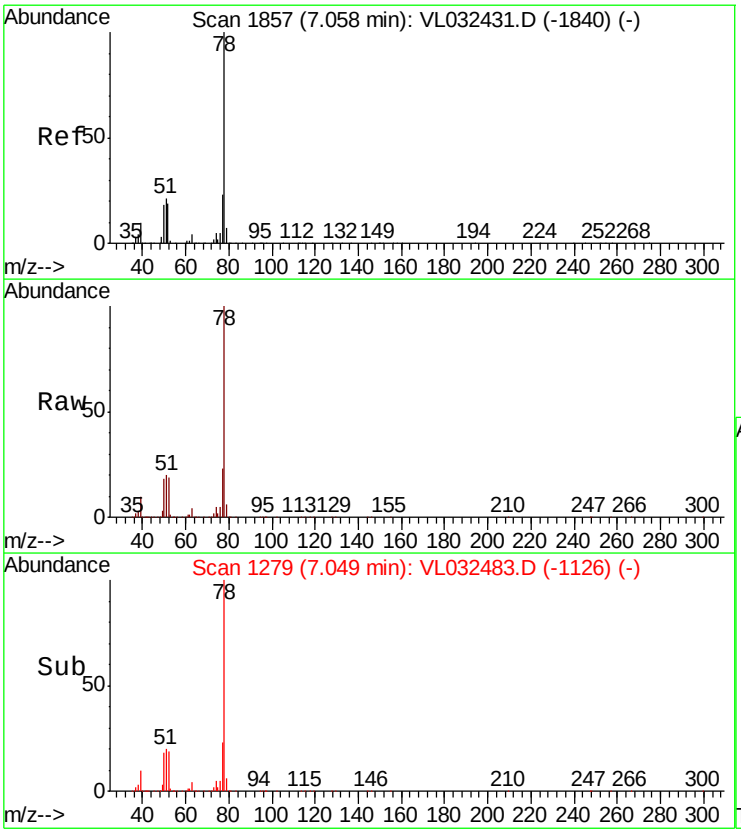
#35
Carbon Tetrachloride
Concen: 9.465 ppbv
RT: 7.17 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:117 Resp: 2349014

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	115.0
121	30.7	24.6	36.8

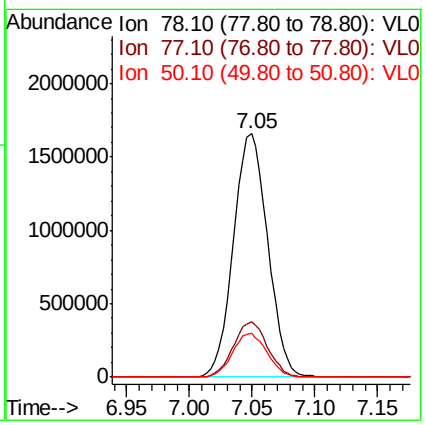


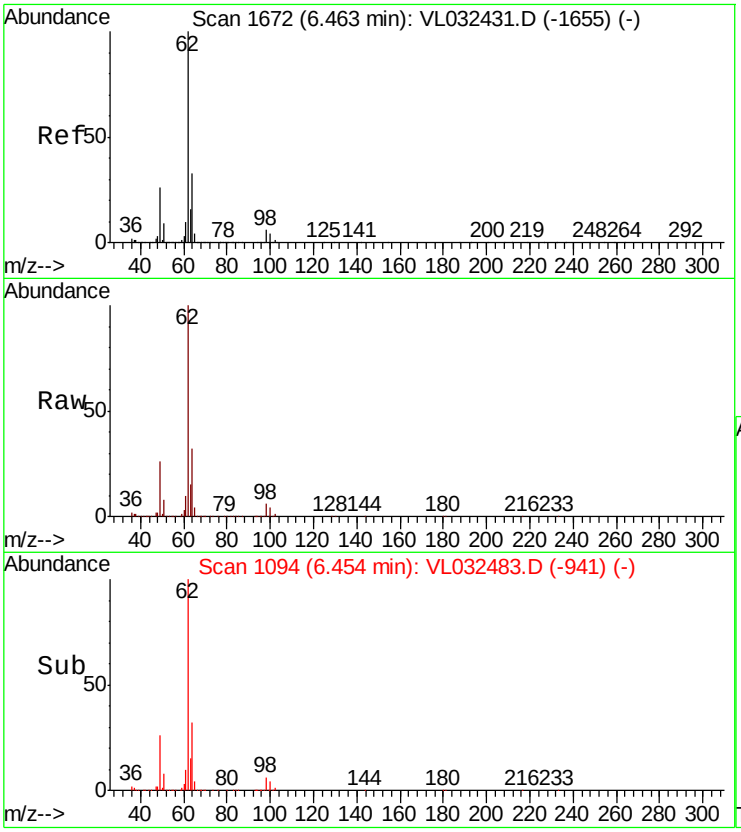


#36
Benzene
Concen: 10.025 ppbv
RT: 7.05 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 78 Resp: 3150330

Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6
50	18.0	14.4	21.6



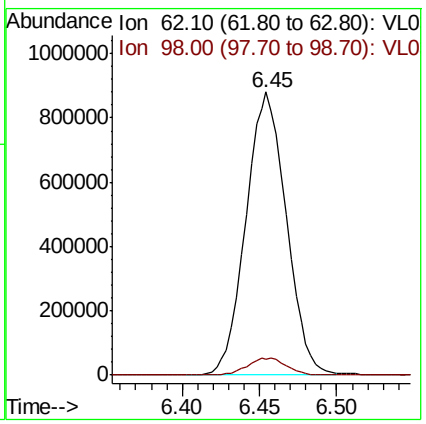


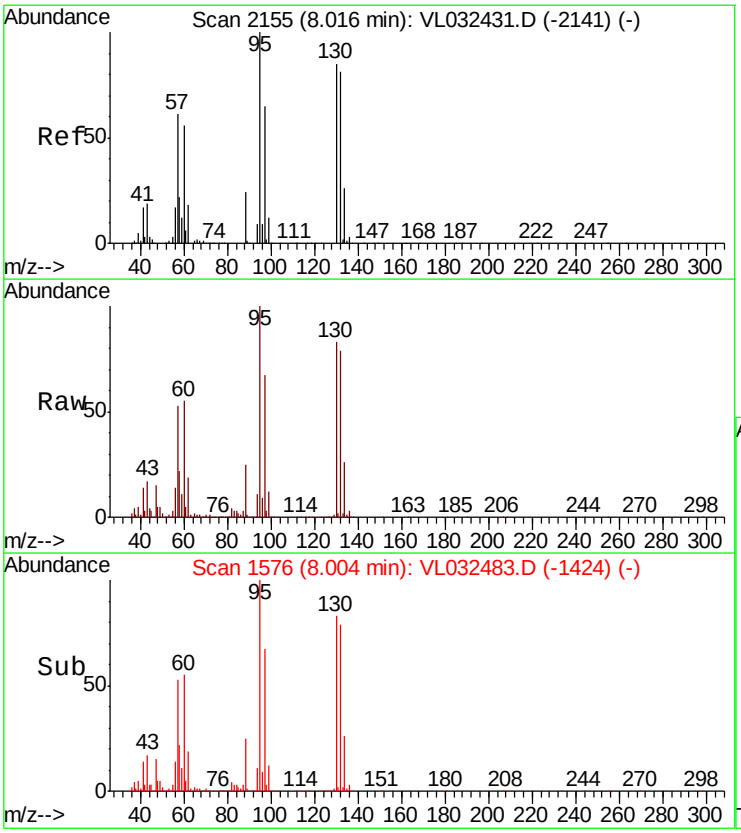
#37
1,2-Dichloroethane
Concen: 8.306 ppbv
RT: 6.45 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 62 Resp: 1599540

Ion	Ratio	Lower	Upper
62	100		
98	6.1	5.0	7.6

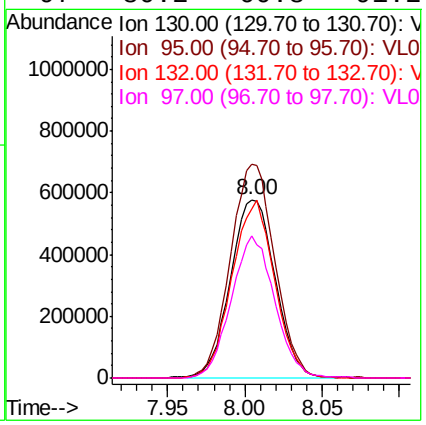


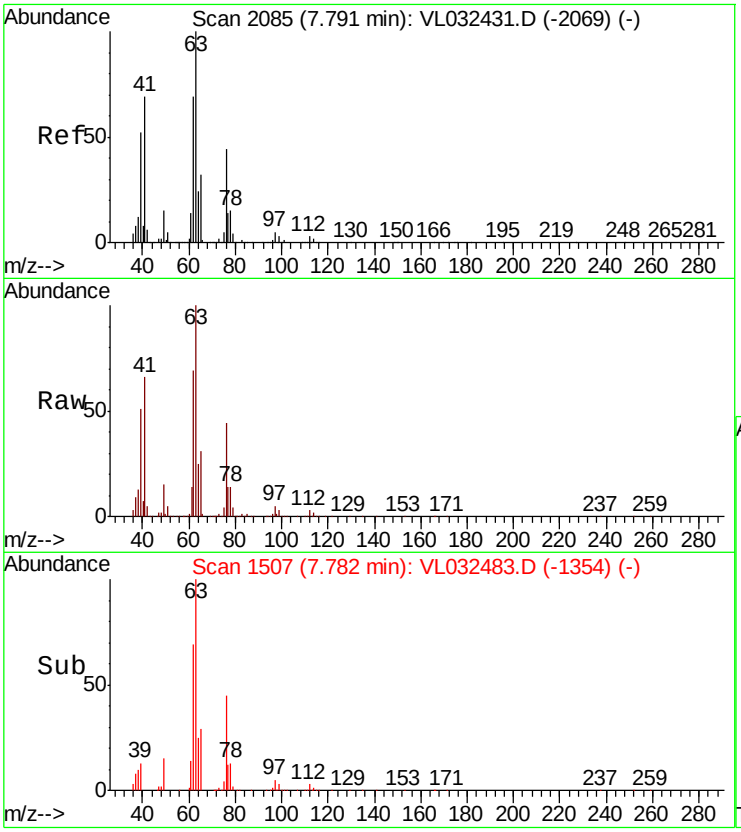


#38
Trichloroethene
Concen: 9.649 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:130 Resp: 1151851

Ion	Ratio	Lower	Upper
130	100		
95	120.0	94.2	141.4
132	95.0	76.2	114.4
97	80.2	60.8	91.2



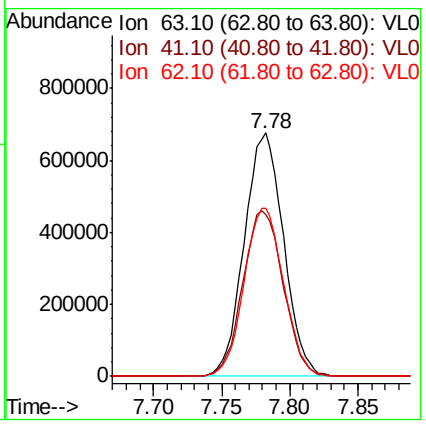


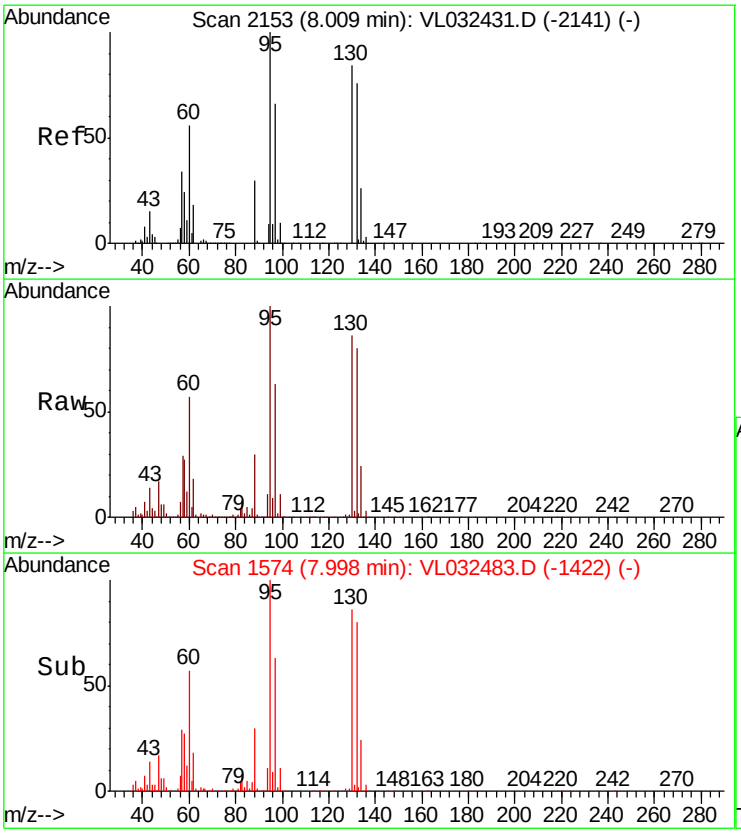
#39
1,2-Dichloropropane
Concen: 10.082 ppbv
RT: 7.78 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 63 Resp: 1355505

Ion	Ratio	Lower	Upper
63	100		
41	66.2	55.4	83.0
62	68.8	55.4	83.0

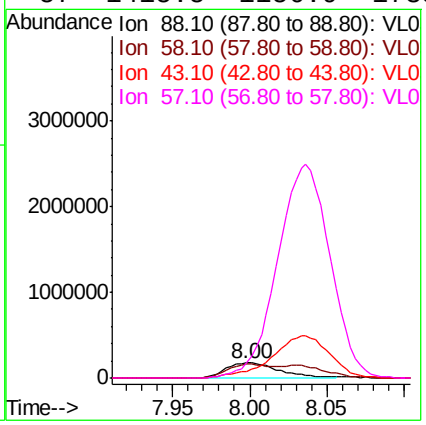


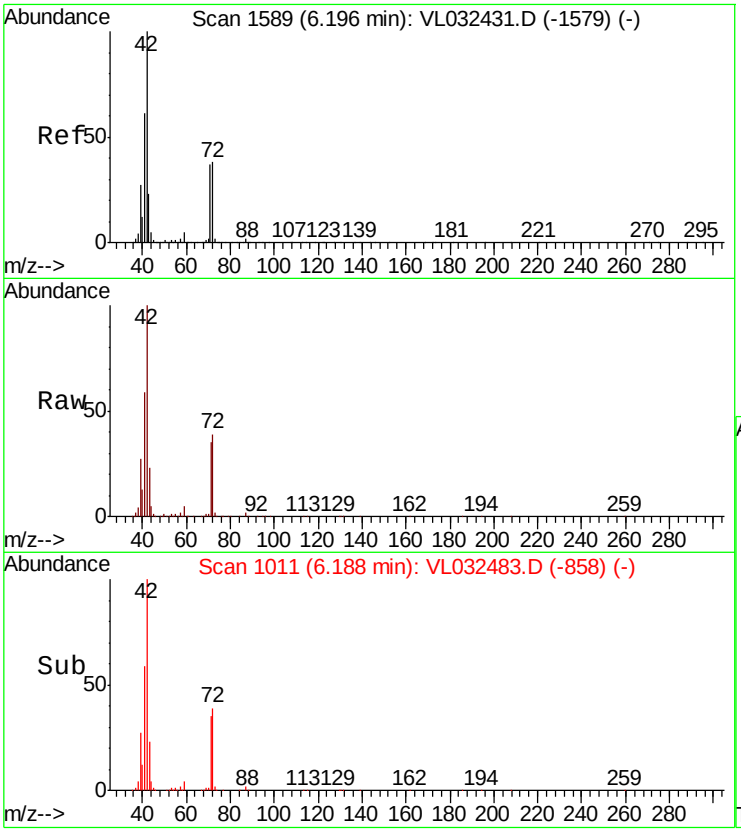


#40
1,4-Dioxane
Concen: 10.328 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 88 Resp: 416592

Ion	Ratio	Lower	Upper
88	100		
58	148.9	119.7	179.5
43	307.2	253.0	379.4
57	1415.5	1156.9	1735.3



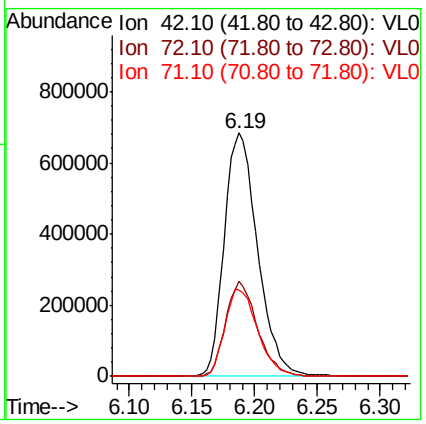


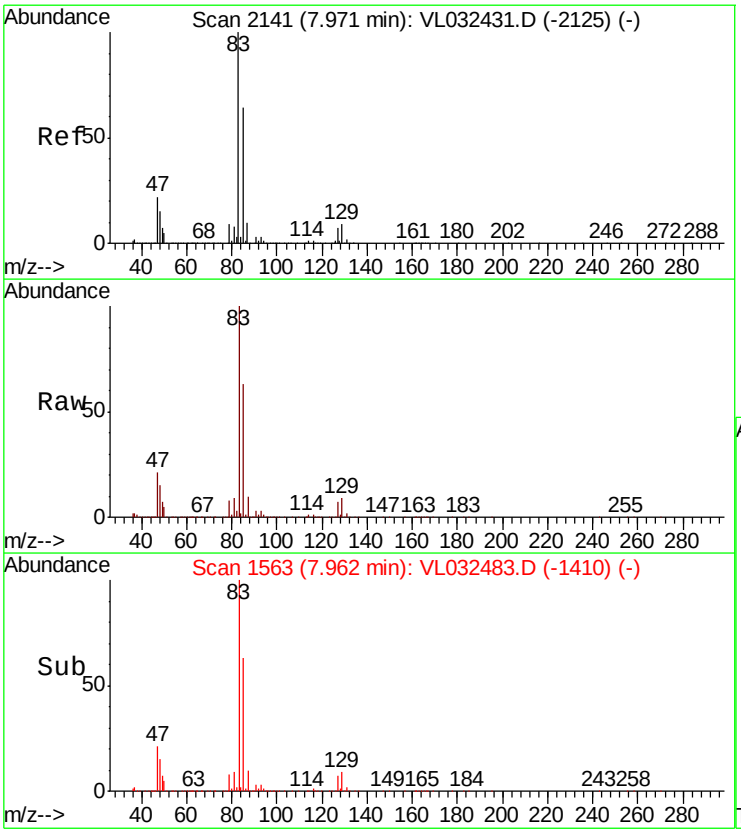
#41
Tetrahydrofuran
Concen: 9.455 ppbv
RT: 6.19 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 42 Resp: 1262446

Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.5	44.3
71	35.5	28.3	42.5

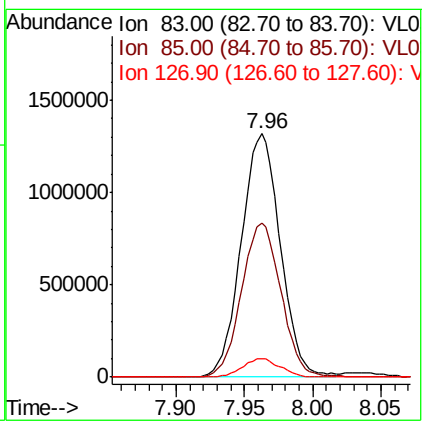


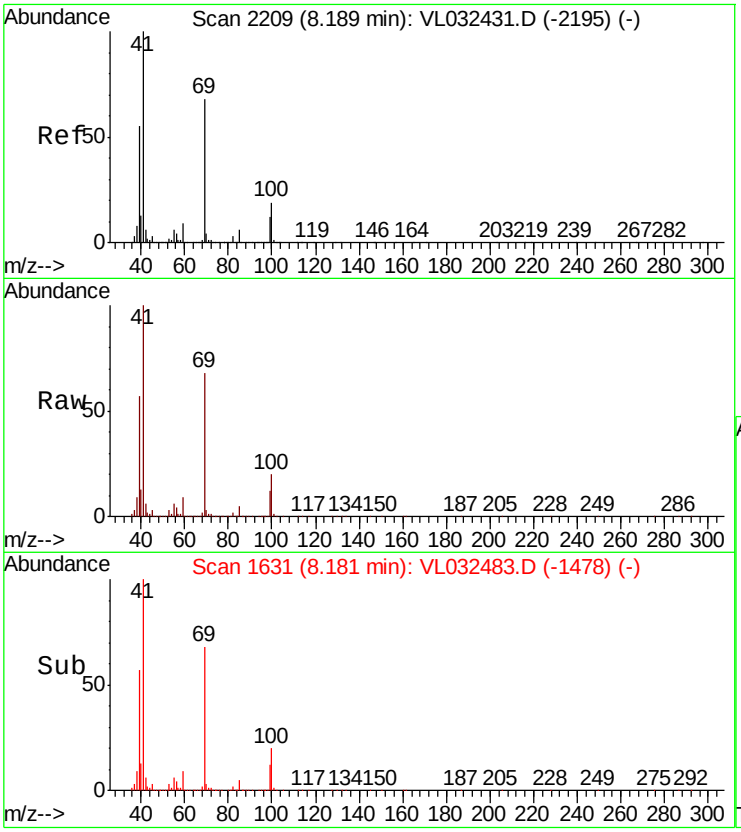


#42
Bromodichloromethane
Concen: 9.881 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 83 Resp: 2624546

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	7.4	5.8	8.8



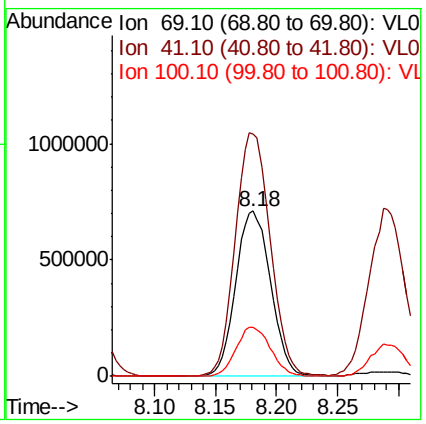


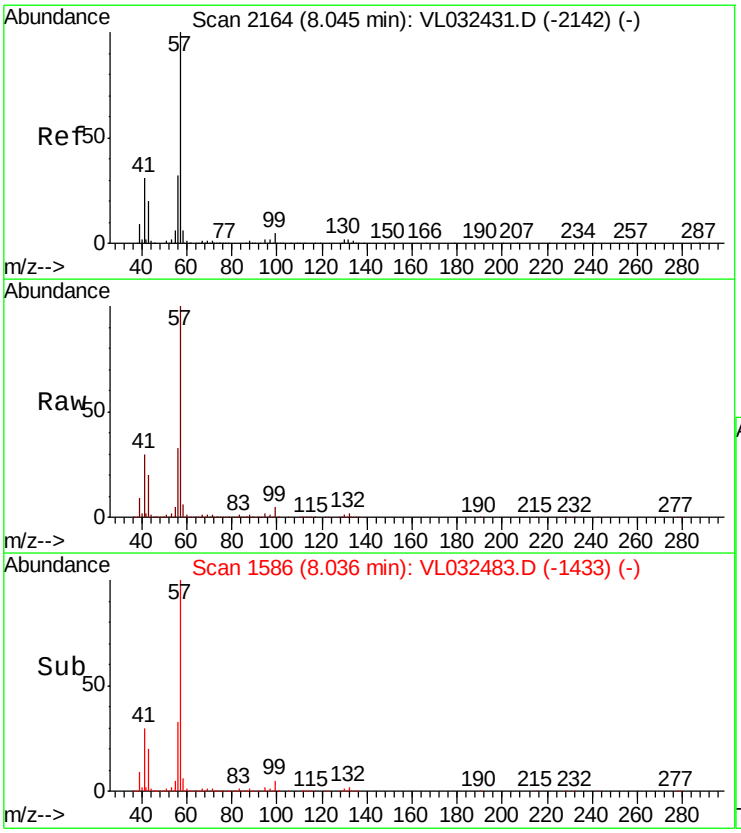
#43
Methyl Methacrylate
Concen: 10.543 ppbv
RT: 8.18 min Scan# 1631
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 69 Resp: 1405593

Ion	Ratio	Lower	Upper
69	100		
41	147.2	117.1	175.7
100	29.4	23.4	35.2

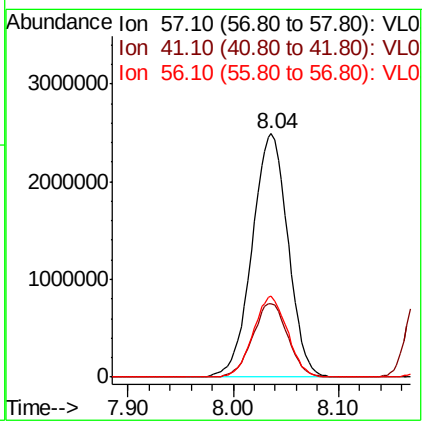


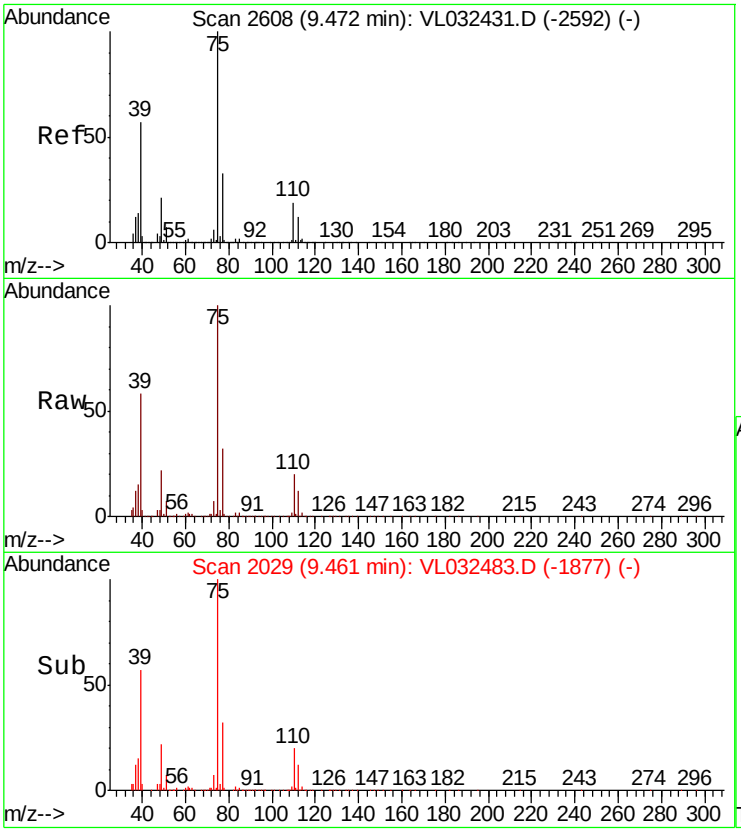


#44
2,2,4-Trimethylpentane
Concen: 9.695 ppbv
RT: 8.04 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 57 Resp: 5890305

Ion	Ratio	Lower	Upper
57	100		
41	29.9	24.4	36.6
56	31.9	25.7	38.5



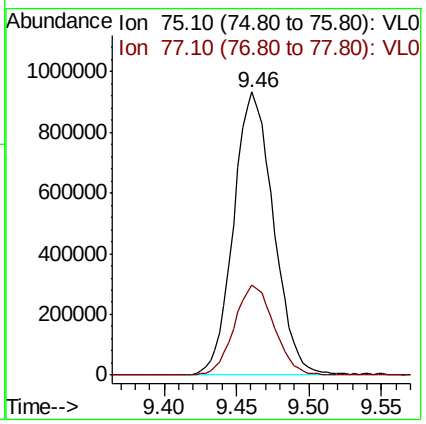


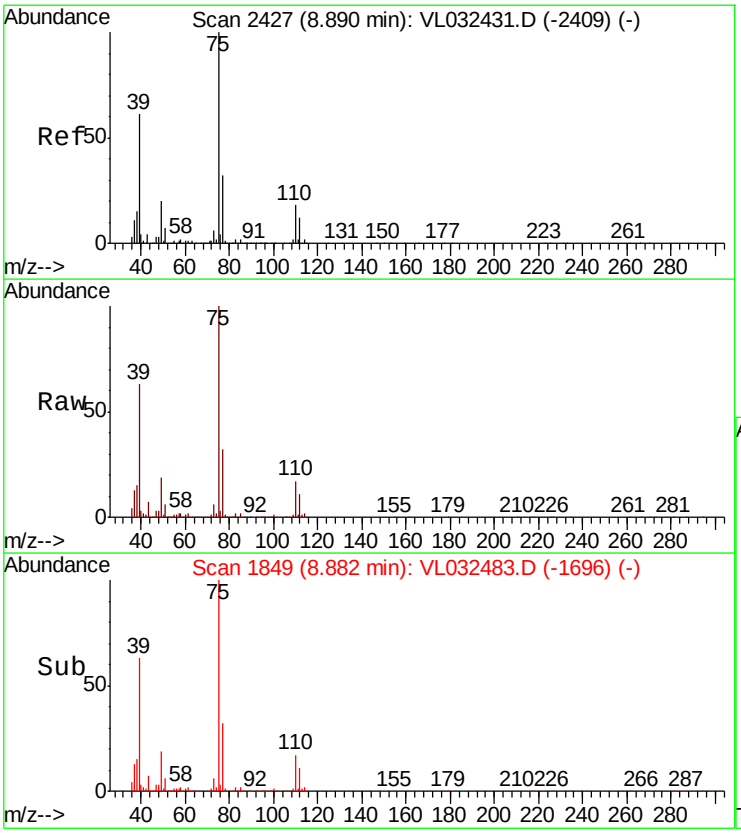
#45
t-1,3-Dichloropropene
Concen: 12.450 ppbv
RT: 9.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 75 Resp: 1776023

Ion	Ratio	Lower	Upper
75	100		
77	32.0	26.2	39.2

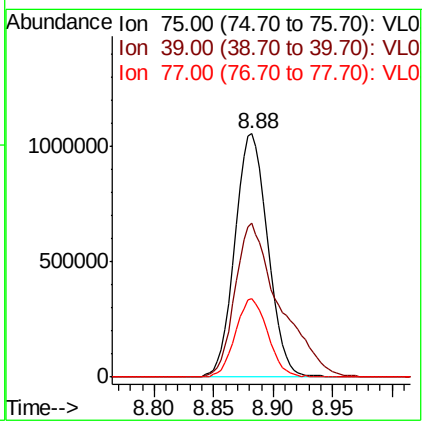


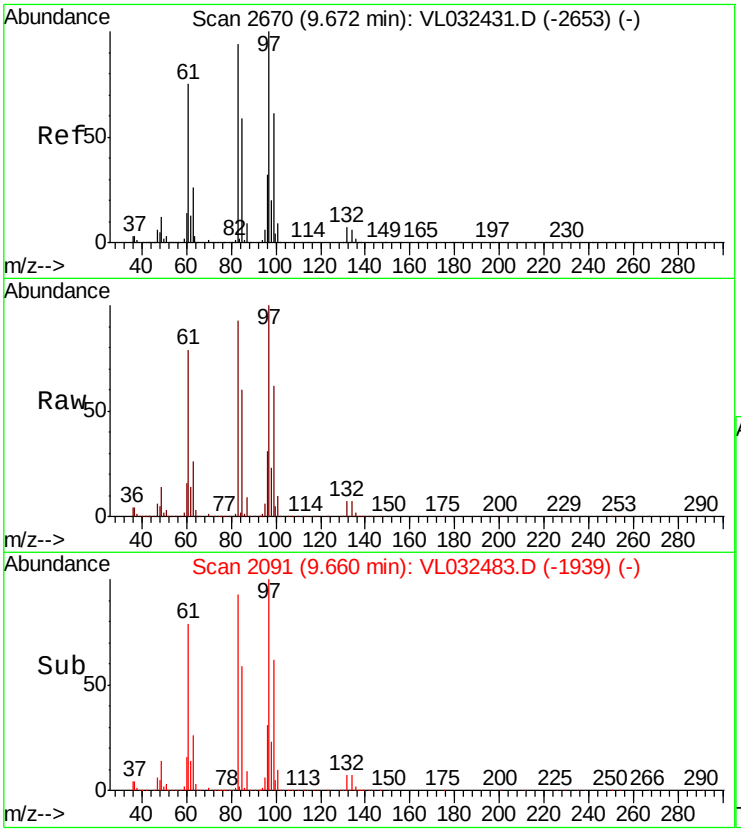


#46
cis-1,3-Dichloropropene
Concen: 11.137 ppbv
RT: 8.88 min Scan# 1849
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 75 Resp: 2030110

Ion	Ratio	Lower	Upper
75	100		
39	63.0	48.9	73.3
77	32.4	25.4	38.0



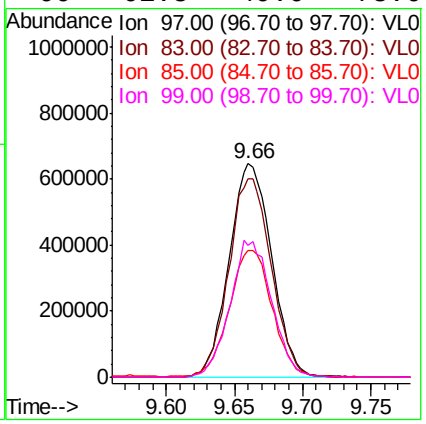


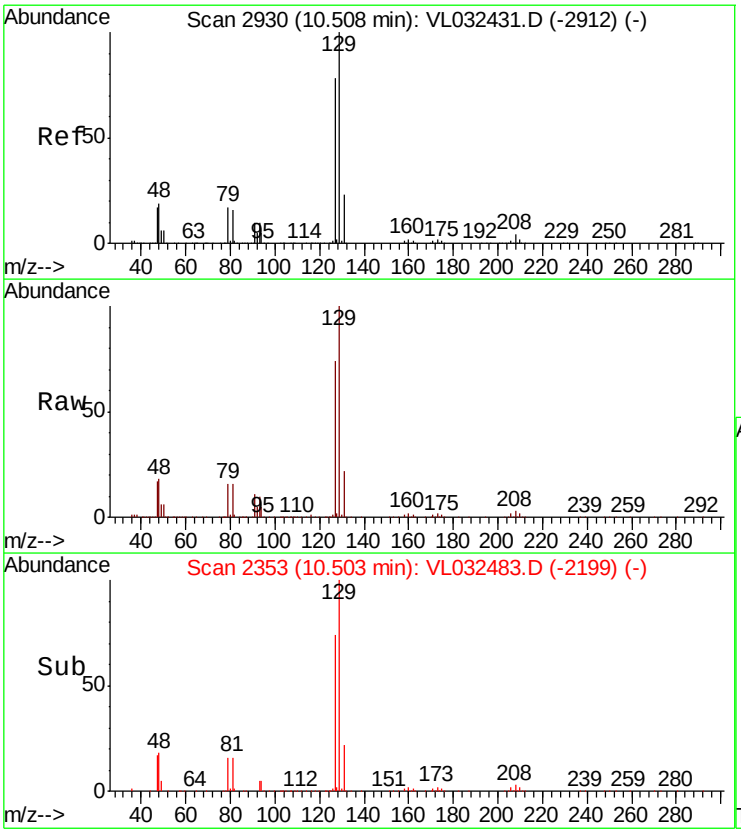
#47
1,1,2-Trichloroethane
Concen: 9.702 ppbv
RT: 9.66 min Scan# 2091
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 97 Resp: 1386803

Ion	Ratio	Lower	Upper
97	100		
83	93.1	75.0	112.4
85	59.4	47.5	71.3
99	61.8	49.0	73.6

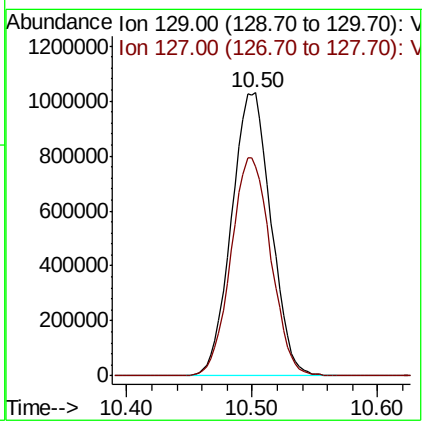


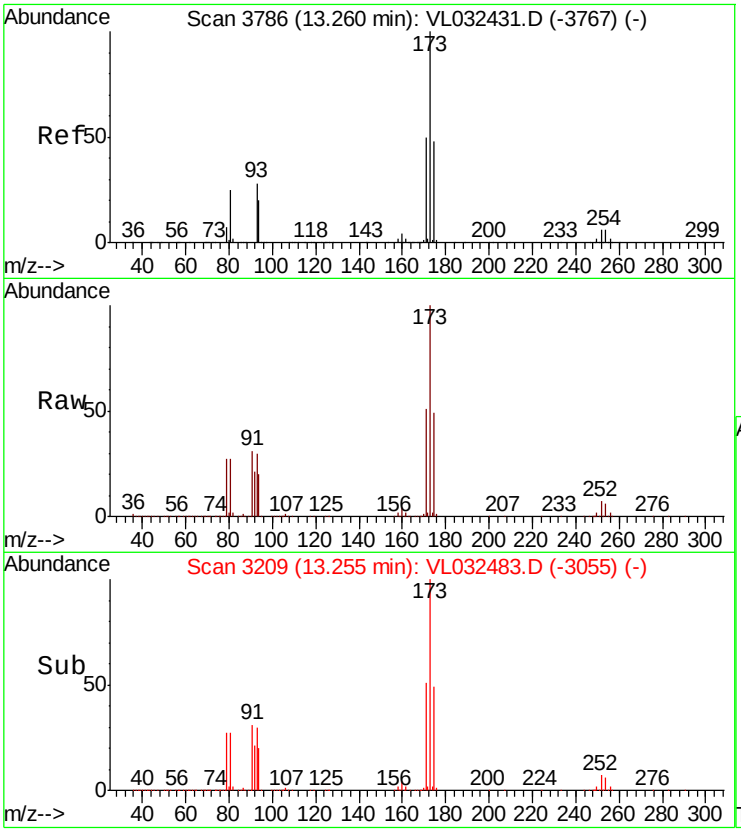


#48
Dibromochloromethane
Concen: 11.396 ppbv
RT: 10.50 min Scan# 2353
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:129 Resp: 2256181

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.5	118.3



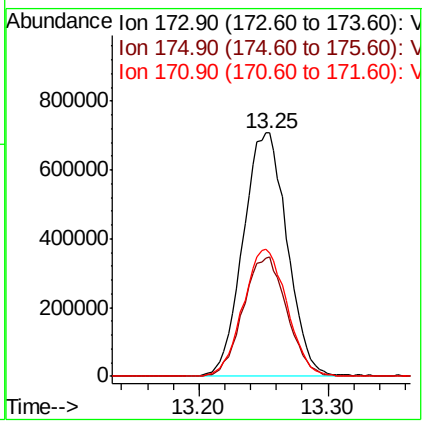


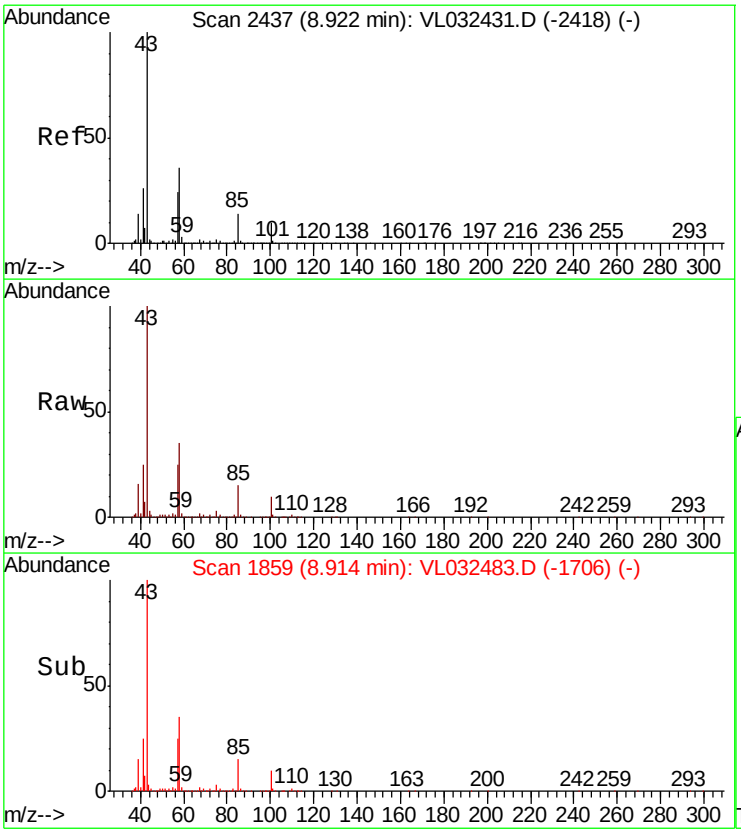
#49
Bromoform
Concen: 9.769 ppbv
RT: 13.25 min Scan# 3209
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:173 Resp: 1681000

Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.9	58.3
171	52.3	41.6	62.4

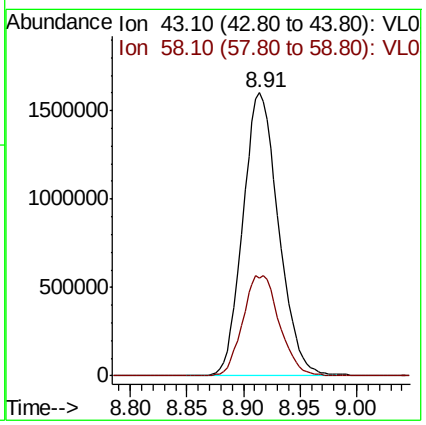


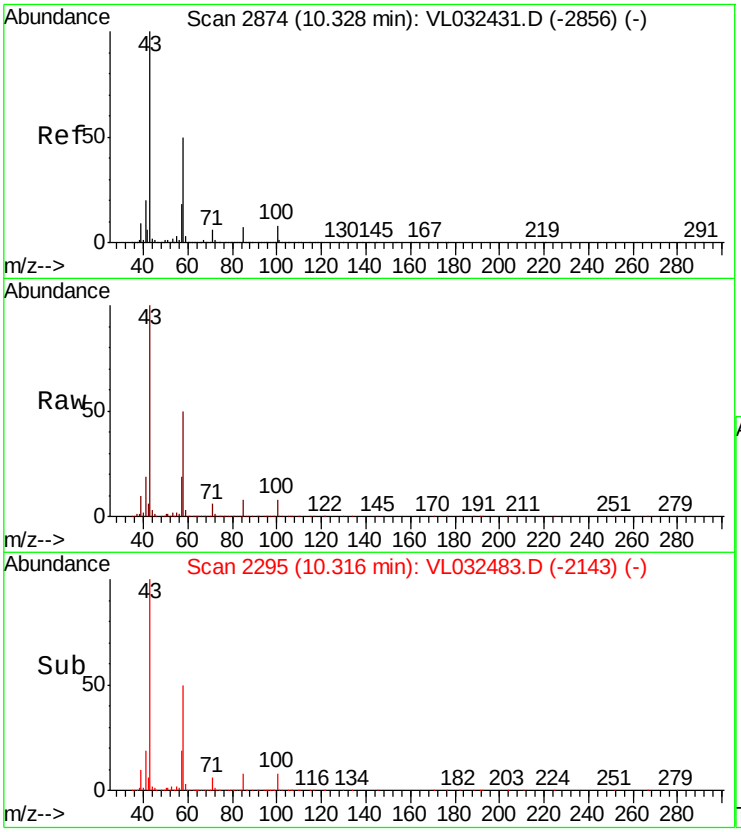


#50
4-Methyl-2-Pentanone
Concen: 9.502 ppbv
RT: 8.91 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 43 Resp: 3510812

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.0	43.4



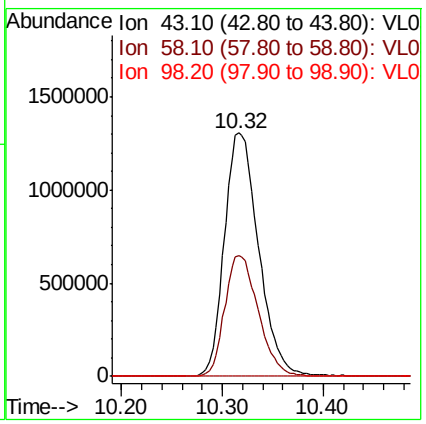


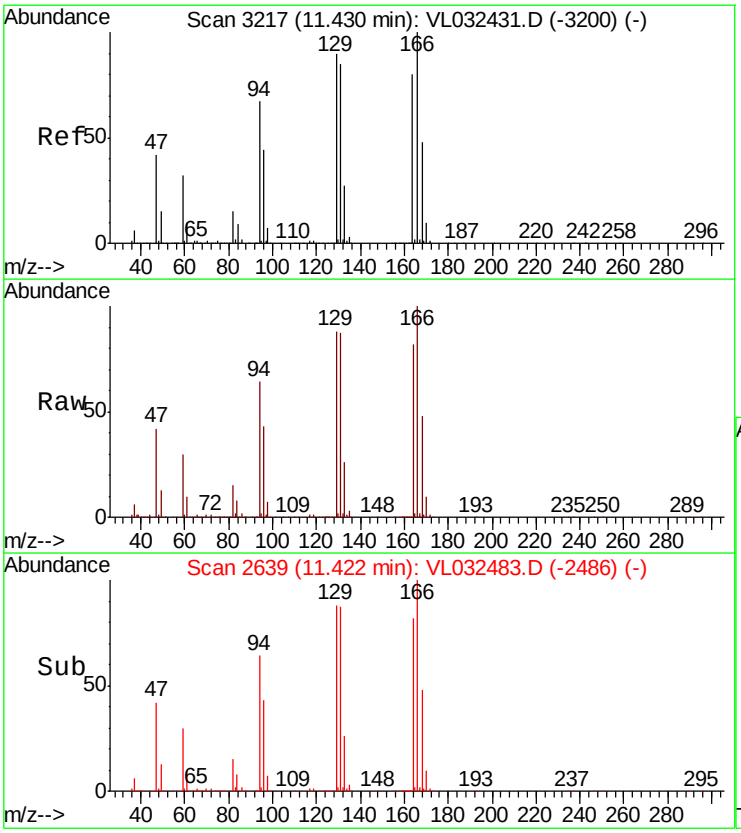
#51
2-Hexanone
Concen: 12.960 ppbv
RT: 10.32 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 43 Resp: 3084280

Ion	Ratio	Lower	Upper
43	100		
58	48.9	39.2	58.8
98	0.4	0.4	0.6

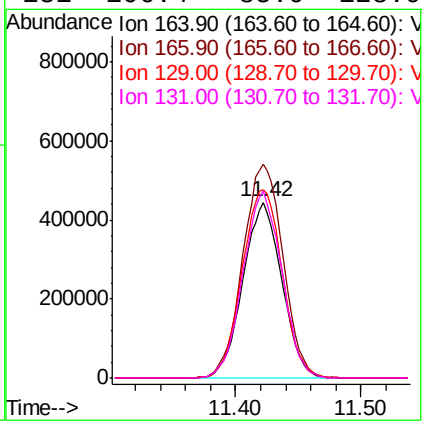


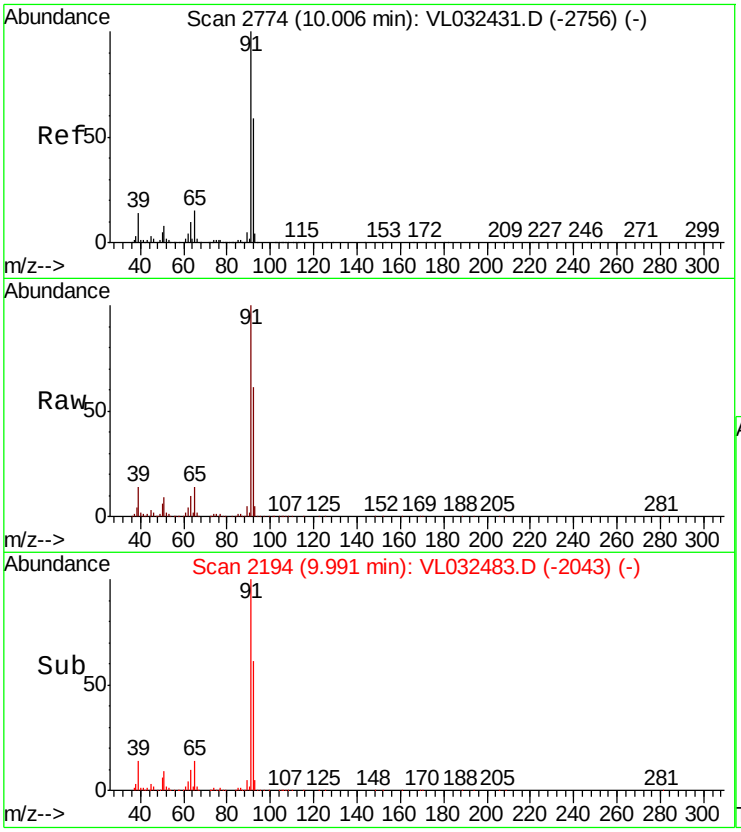


#52
Tetrachloroethene
Concen: 9.796 ppbv
RT: 11.42 min Scan# 2639
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:164 Resp: 954562

Ion	Ratio	Lower	Upper
164	100		
166	121.6	100.6	150.8
129	107.0	89.9	134.9
131	106.4	85.9	128.9



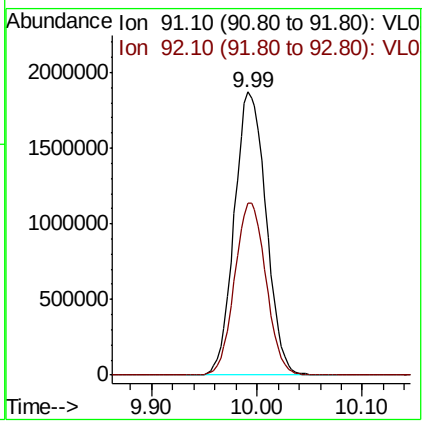


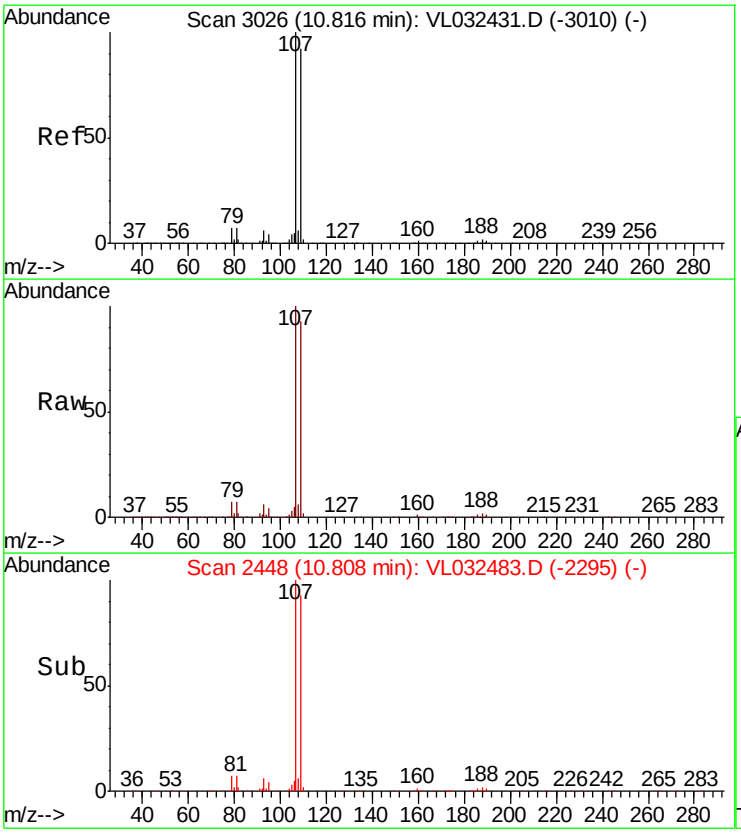
#53
Toluene
Concen: 11.885 ppbv
RT: 9.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 91 Resp: 3903809

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.1	72.1

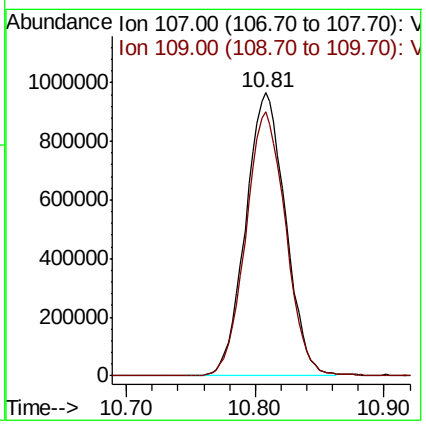


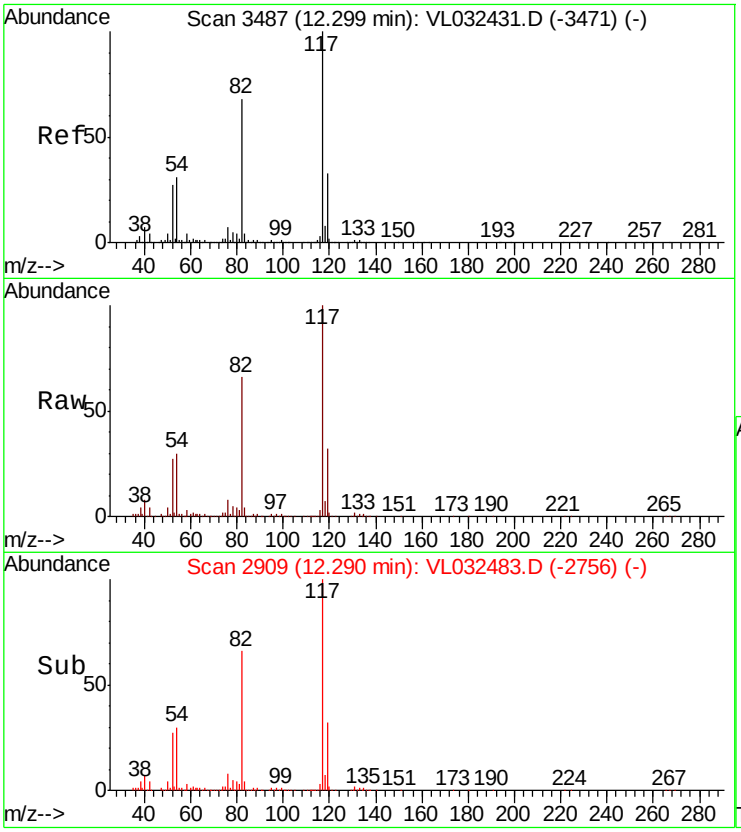


#54
1,2-Dibromoethane
Concen: 10.861 ppbv
RT: 10.81 min Scan# 2448
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:107 Resp: 2084525

Ion	Ratio	Lower	Upper
107	100		
109	93.2	73.9	110.9



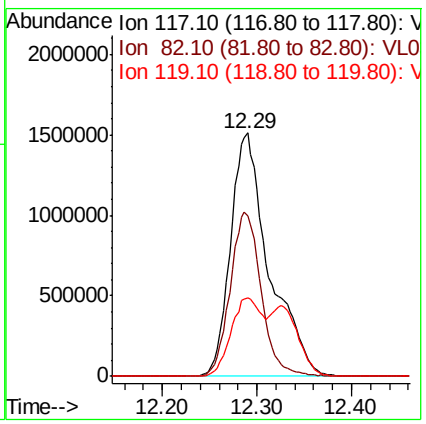


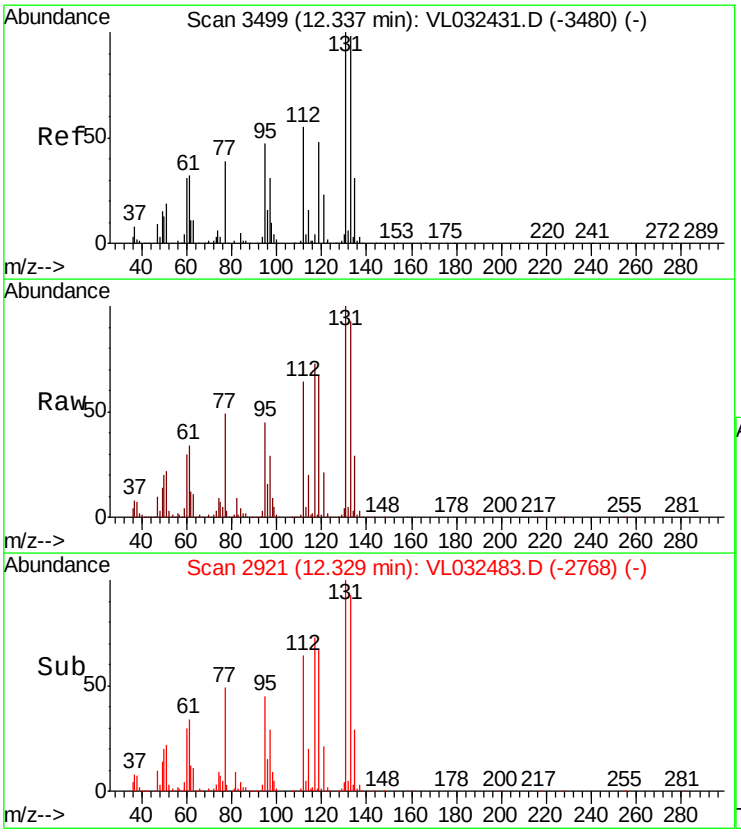
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:117 Resp: 4288594

Ion	Ratio	Lower	Upper
117	100		
82	54.3	53.0	79.6
119	25.9	45.9	68.9#

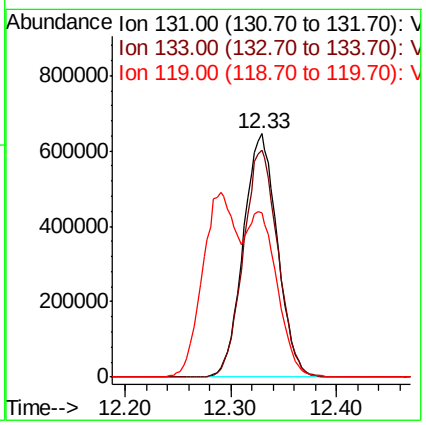


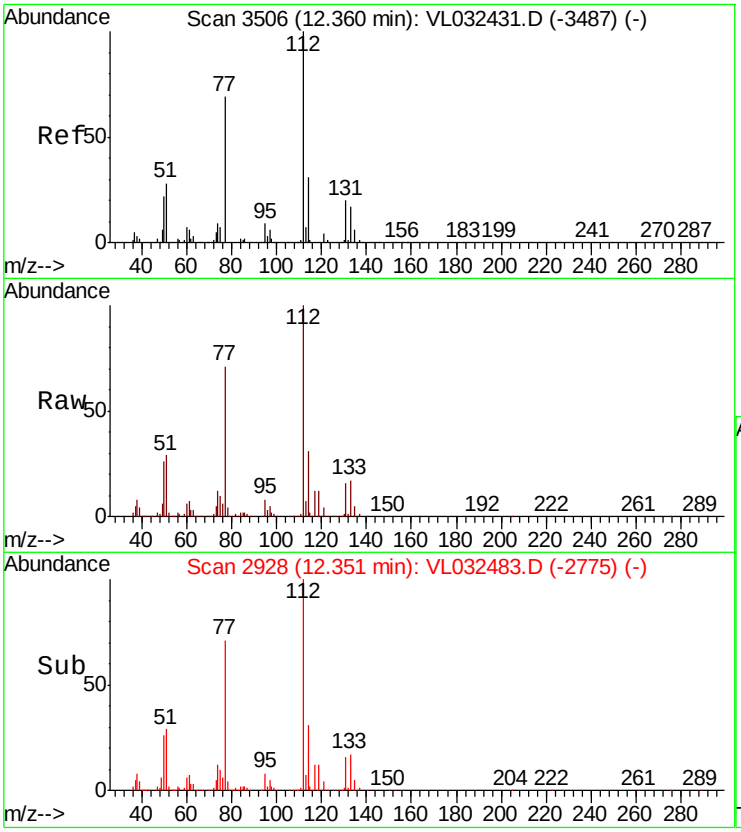


#56
1,1,1,2-Tetrachloroethane
Concen: 7.517 ppbv
RT: 12.33 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:131 Resp: 1453454

Ion	Ratio	Lower	Upper
131	100		
133	94.6	77.0	115.4
119	57.5	114.2	171.2#



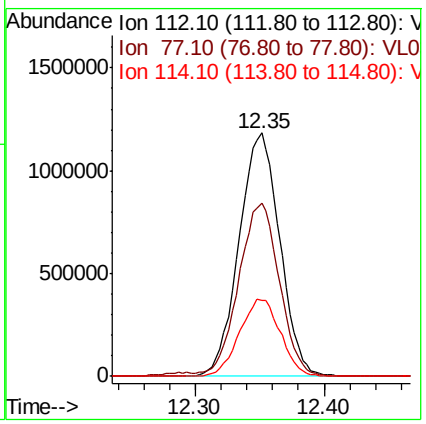


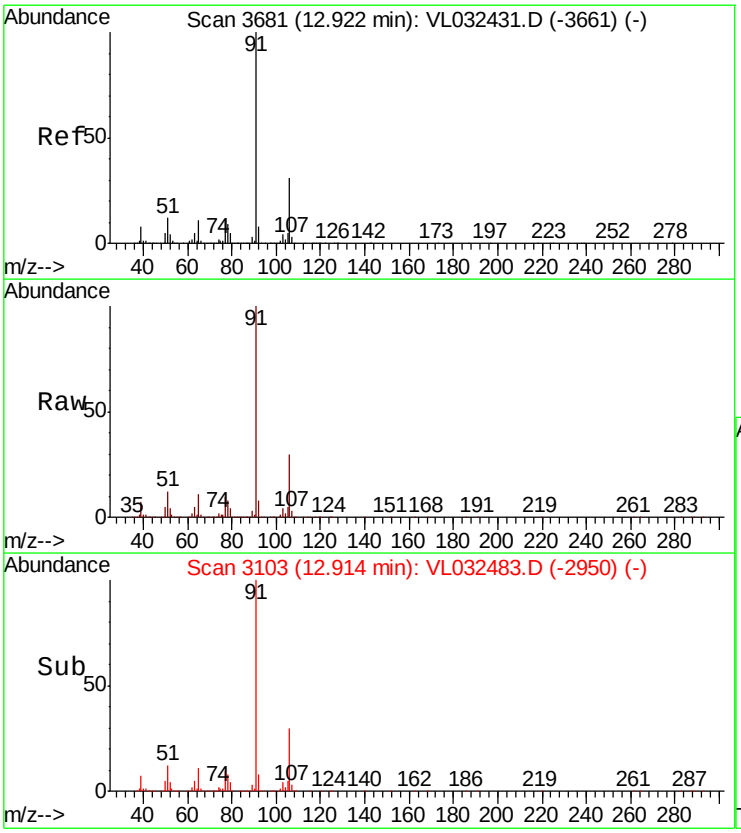
#57
Chlorobenzene
Concen: 7.574 ppbv
RT: 12.35 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:112 Resp: 2596063

Ion	Ratio	Lower	Upper
112	100		
77	71.1	56.1	84.1
114	31.0	27.8	34.0

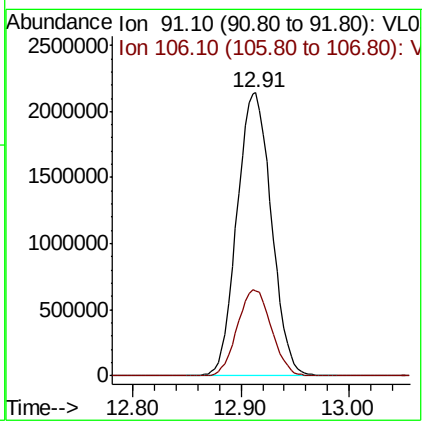


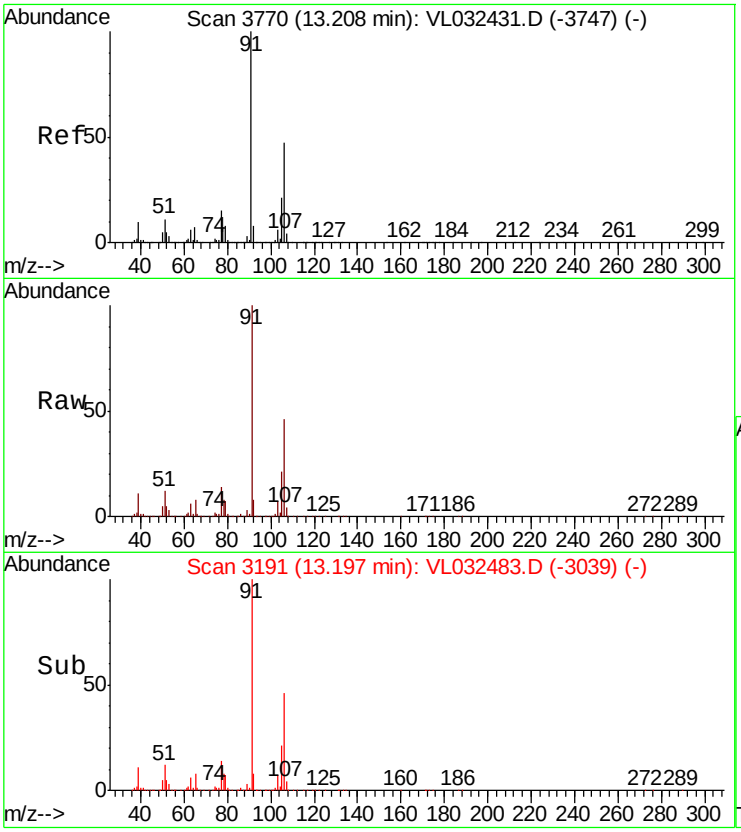


#58
Ethyl Benzene
Concen: 9.260 ppbv
RT: 12.91 min Scan# 3103
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 91 Resp: 4752572

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.8	37.2



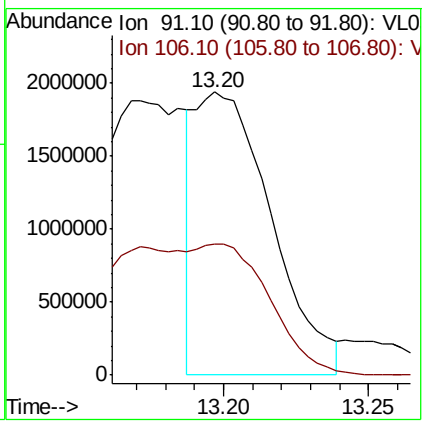


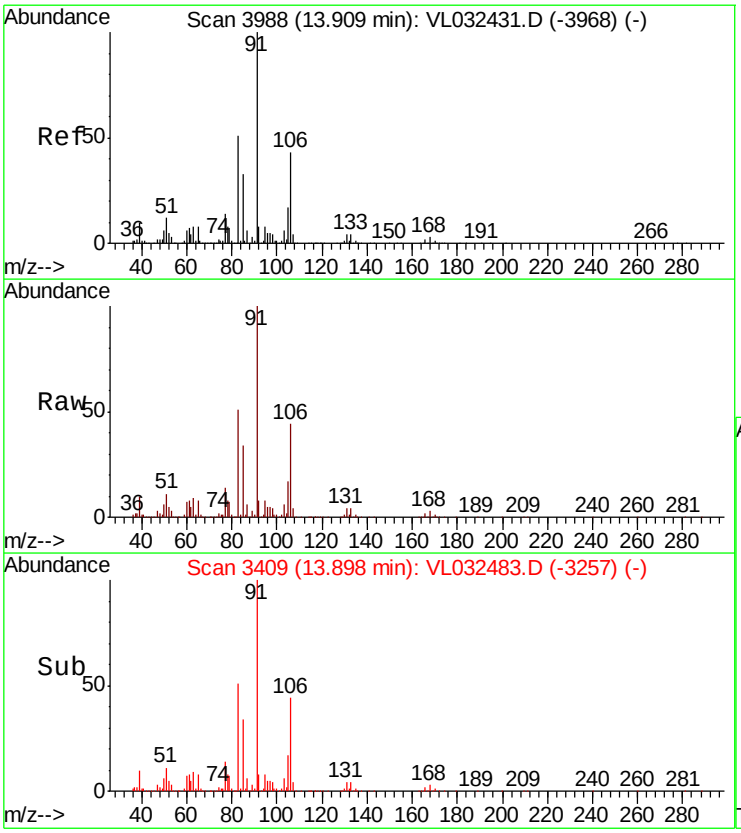
#59
m/p-Xylene
Concen: 7.695 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 91 Resp: 3520907

Ion	Ratio	Lower	Upper
91	100		
106	101.6	36.6	55.0#

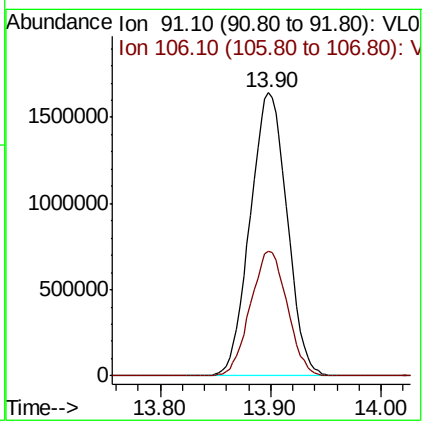


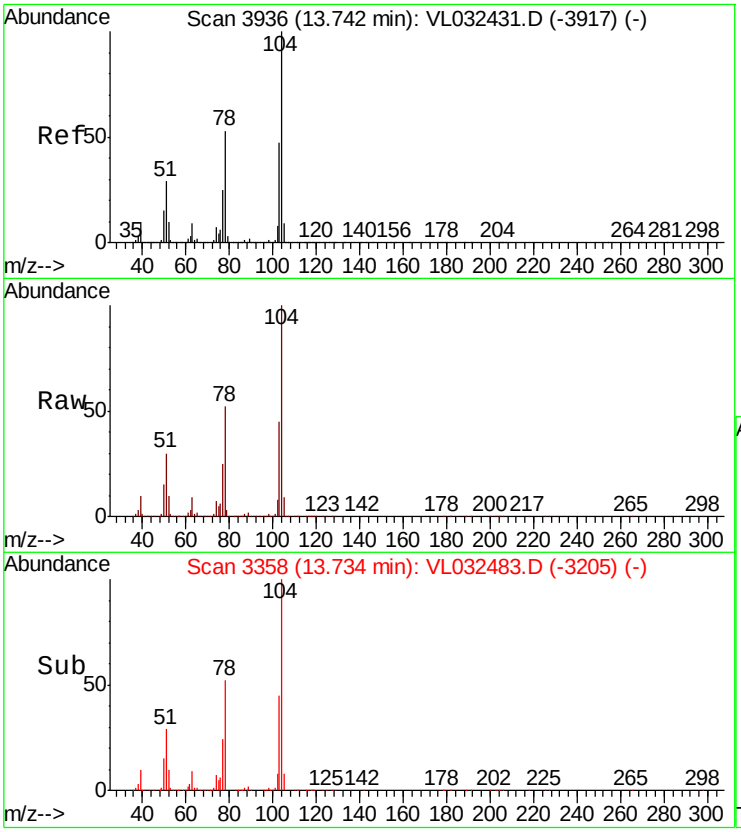


#60
o-Xylene
Concen: 8.472 ppbv
RT: 13.90 min Scan# 3409
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 91 Resp: 3807605

Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.9	65.7



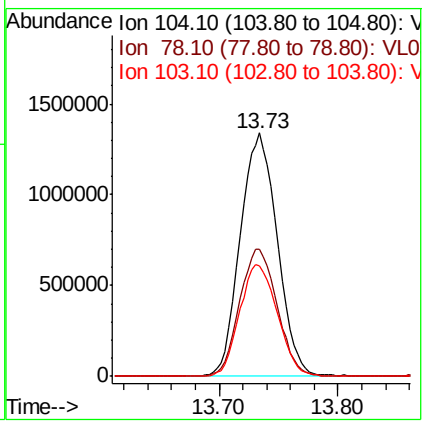


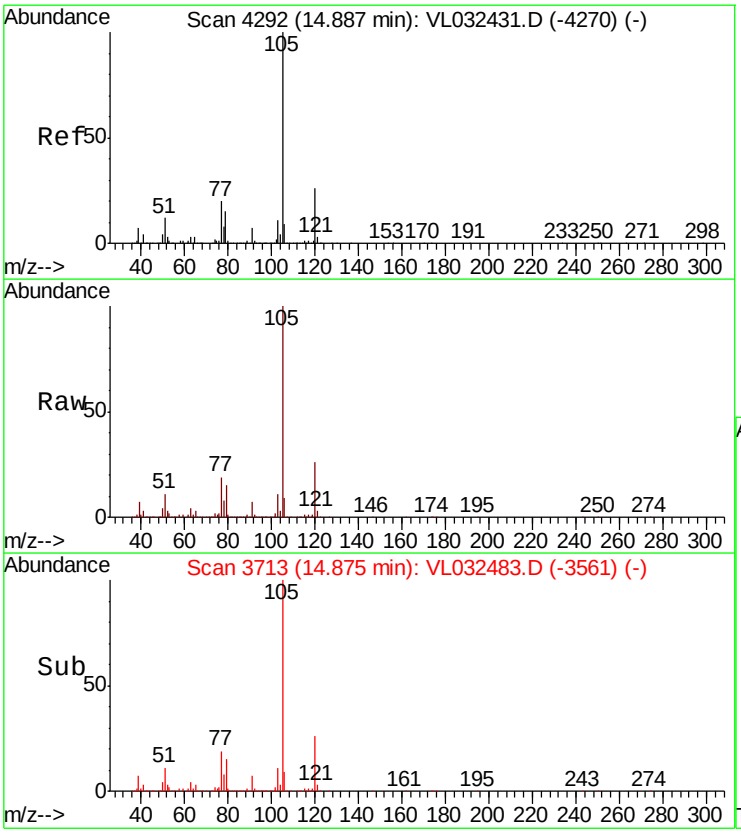
#61
Styrene
Concen: 9.937 ppbv
RT: 13.73 min Scan# 3358
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:104 Resp: 2891222

Ion	Ratio	Lower	Upper
104	100		
78	53.2	41.8	62.8
103	46.9	38.0	57.0

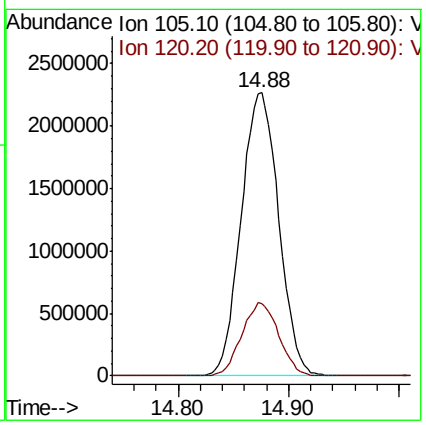


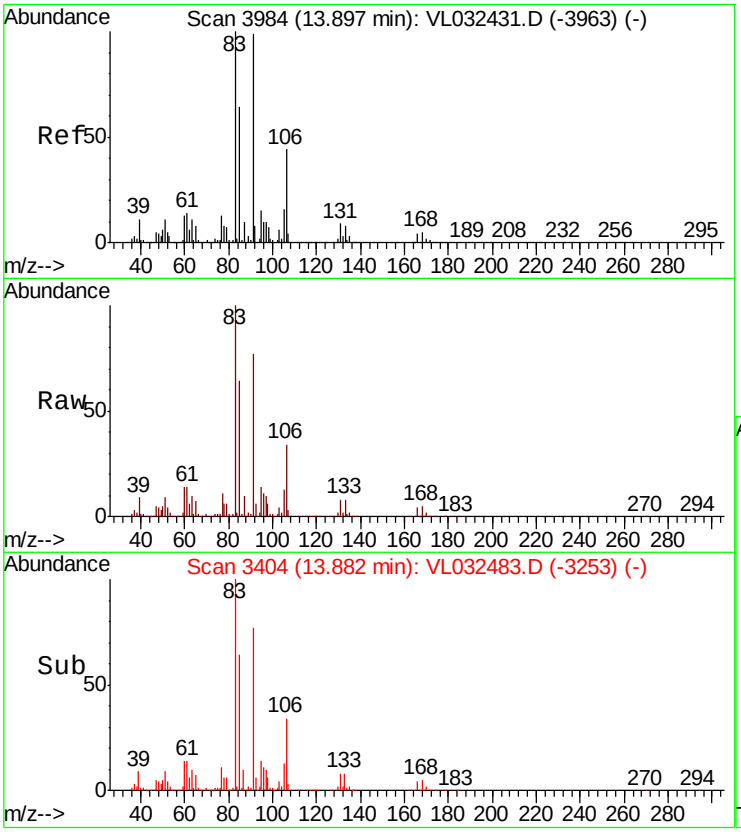


#62
Isopropylbenzene
Concen: 8.473 ppbv
RT: 14.88 min Scan# 3713
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:105 Resp: 5353207

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0



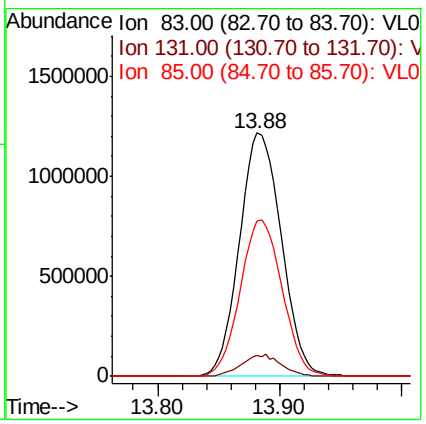


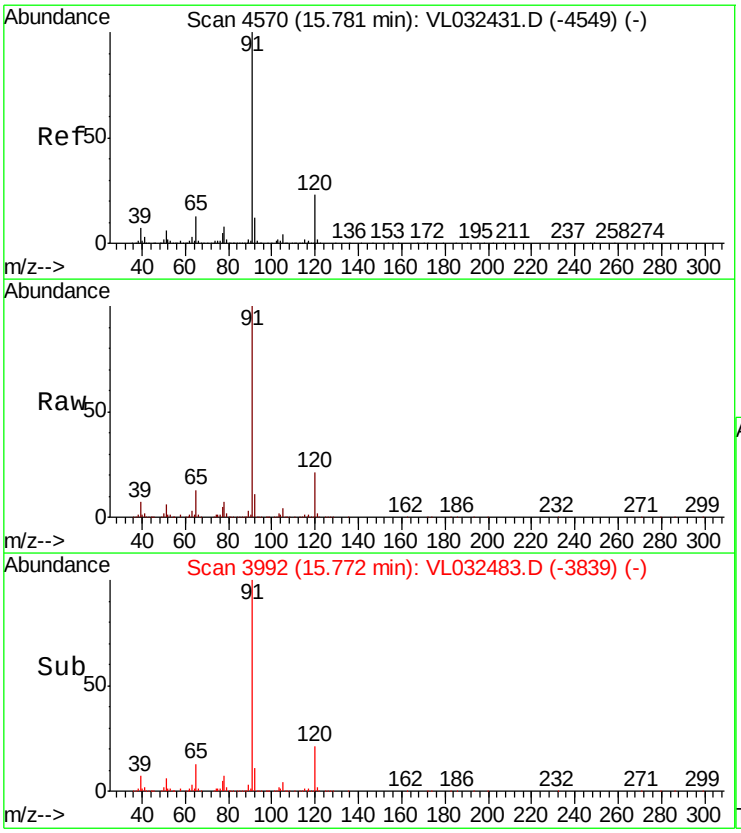
#63
1,1,2,2-Tetrachloroethane
Concen: 7.198 ppbv
RT: 13.88 min Scan# 3404
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion: 83 Resp: 2892594

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	64.5	32.3	96.8

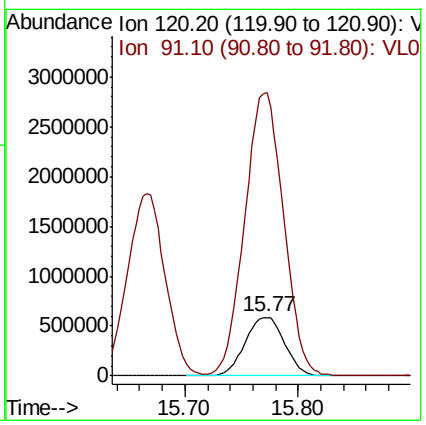


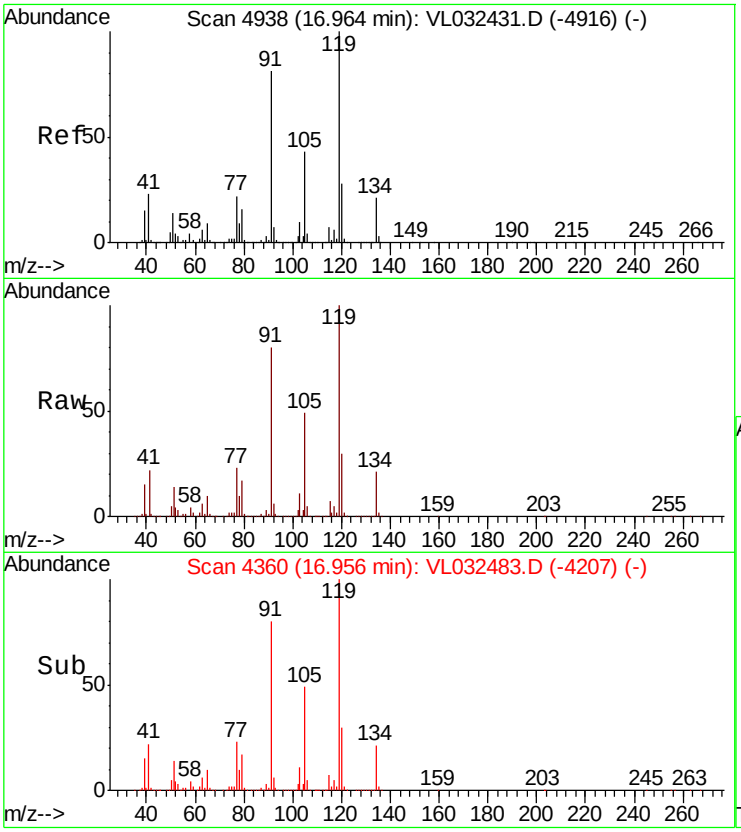


#64
n-propylbenzene
Concen: 8.630 ppbv
RT: 15.77 min Scan# 3992
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:120 Resp: 1425504

Ion	Ratio	Lower	Upper
120	100		
91	477.6	381.8	572.6



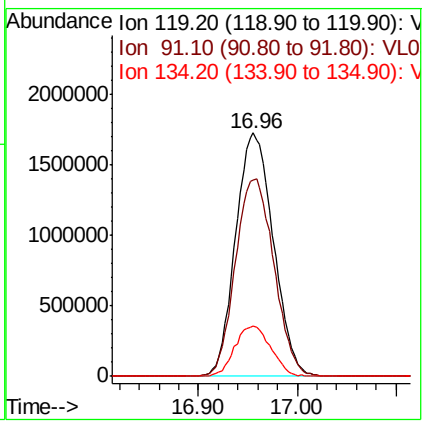


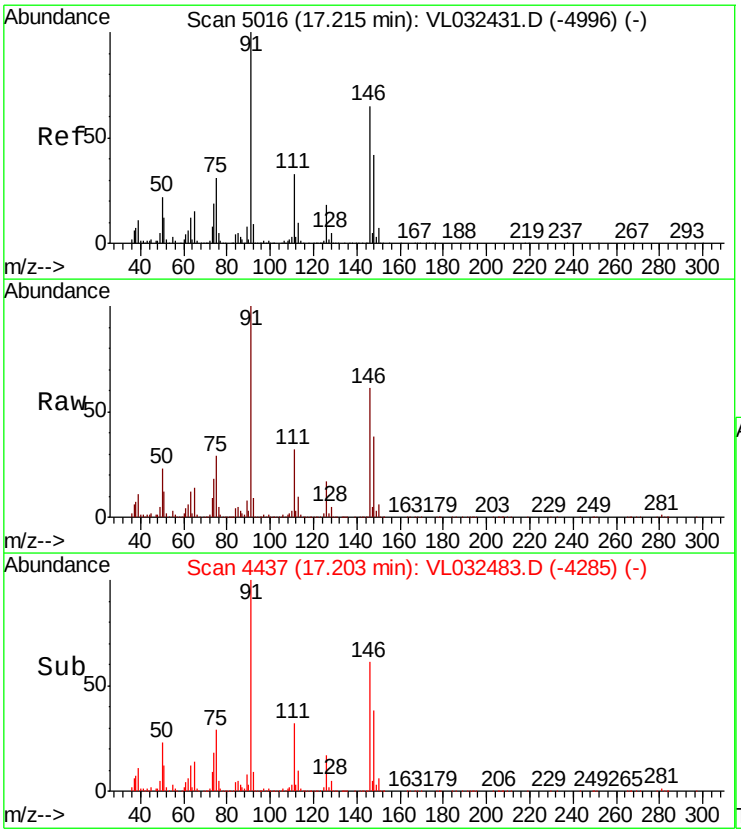
#65
tert-Butylbenzene
Concen: 8.401 ppbv
RT: 16.96 min Scan# 4360
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:119 Resp: 4573698

Ion	Ratio	Lower	Upper
119	100		
91	83.1	66.5	99.7
134	19.9	16.0	24.0

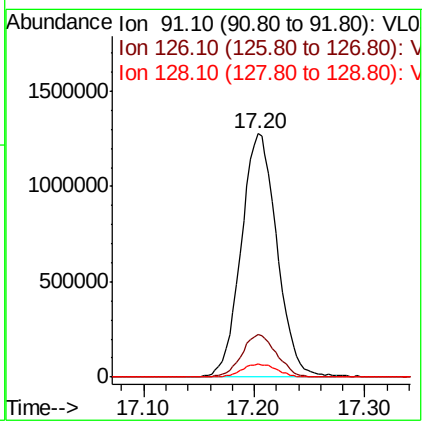


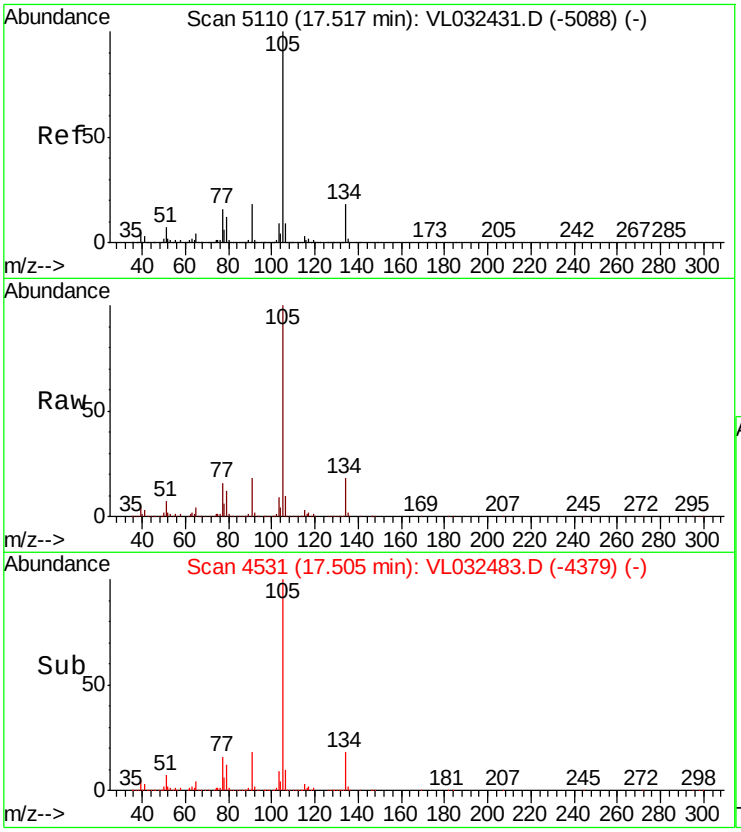


#66
Benzyl Chloride
Concen: 9.445 ppbv
RT: 17.20 min Scan# 4437
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 91 Resp: 2864650

Ion	Ratio	Lower	Upper
91	100		
126	17.3	13.8	20.8
128	5.3	4.4	6.6



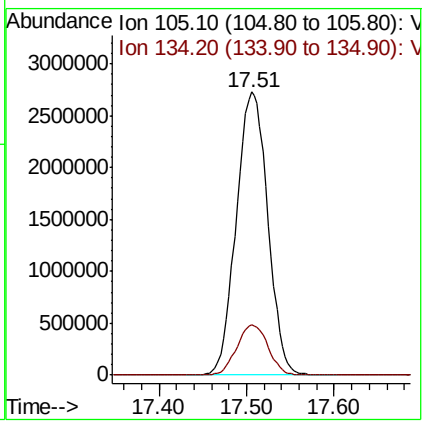


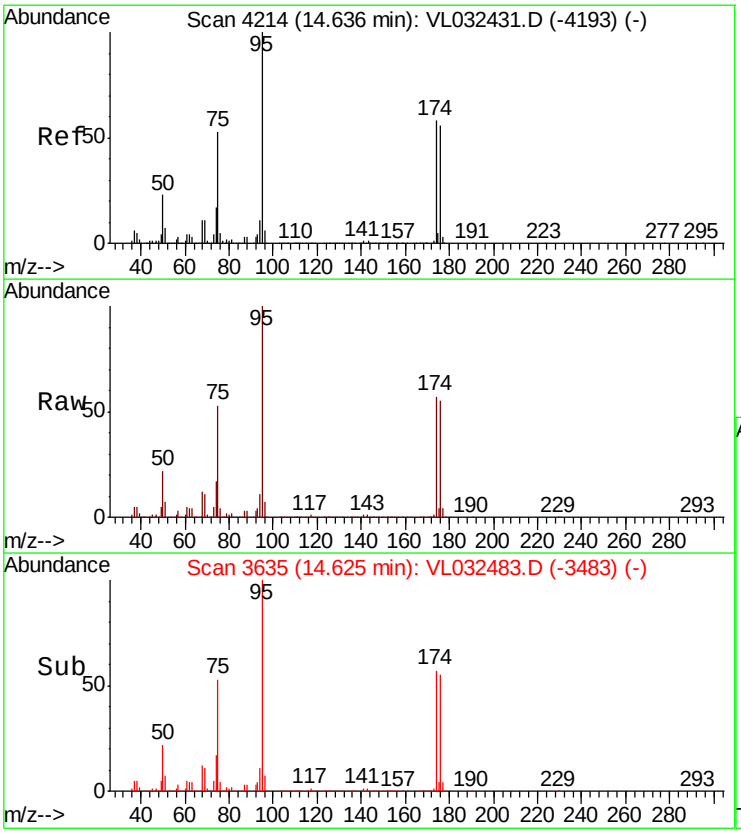
#67
sec-Butylbenzene
Concen: 8.302 ppbv
RT: 17.51 min Scan# 4531
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:105 Resp: 6797274

Ion	Ratio	Lower	Upper
105	100		
134	17.7	14.4	21.6

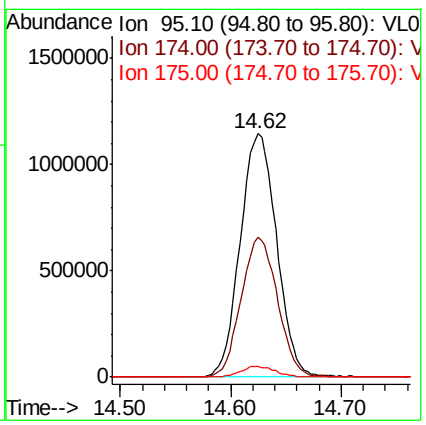


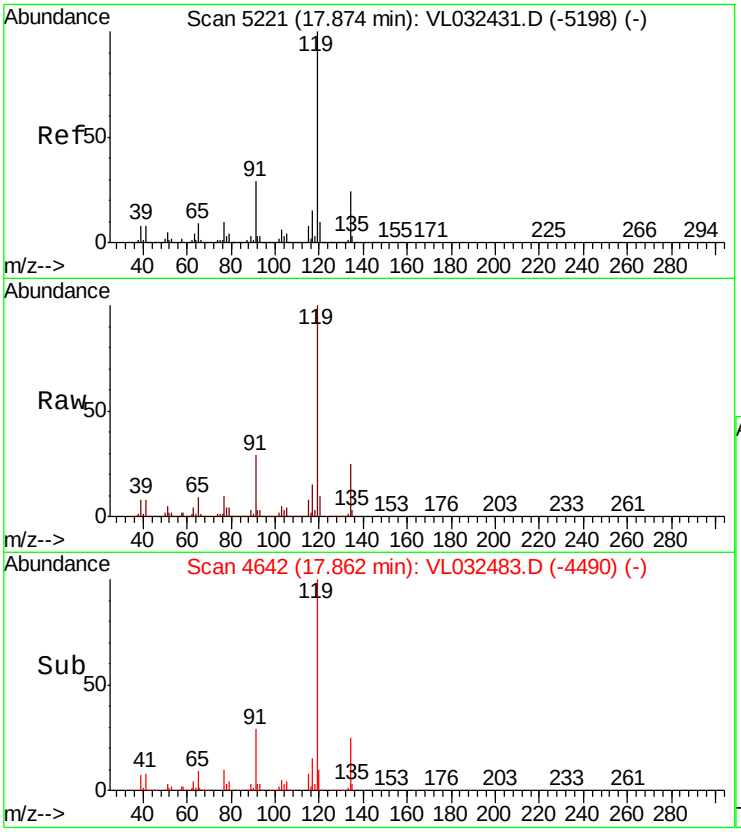


#68
1-Bromo-4-Fluorobenzene
Concen: 8.256 ppbv
RT: 14.62 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 95 Resp: 2628775

Ion	Ratio	Lower	Upper
95	100		
174	57.6	46.3	69.5
175	4.2	3.4	5.0



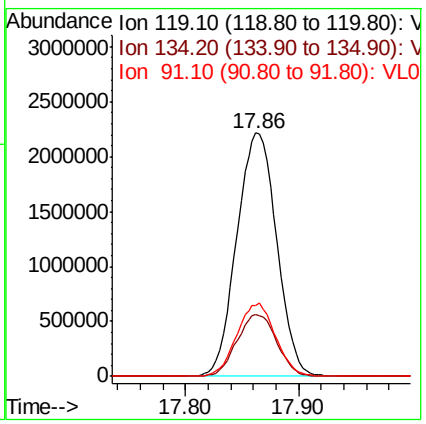


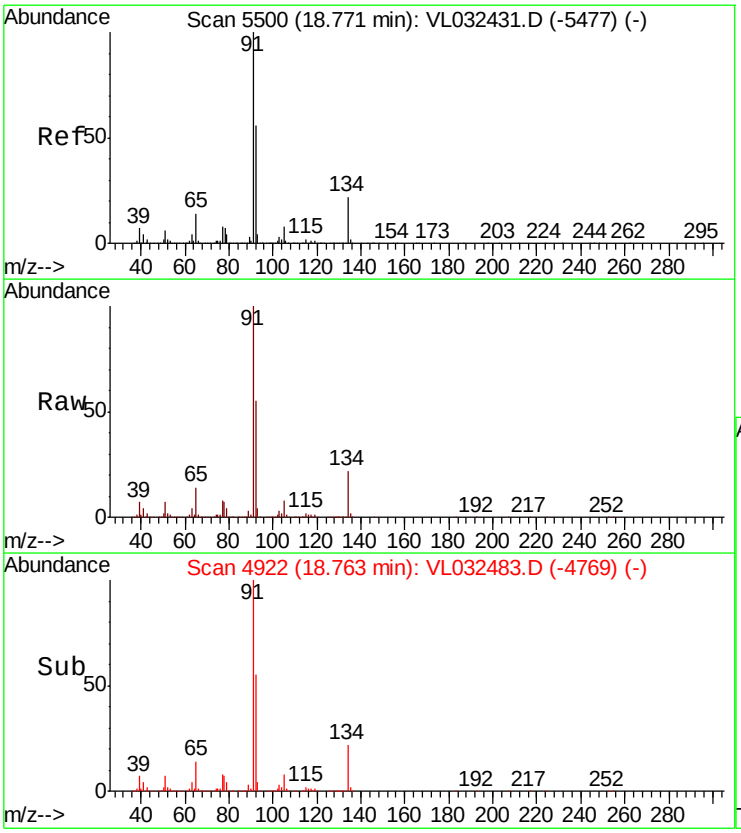
#69
p-Isopropyltoluene
Concen: 8.552 ppbv
RT: 17.86 min Scan# 4642
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:119 Resp: 5427054

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.4	30.6
91	29.1	23.4	35.2

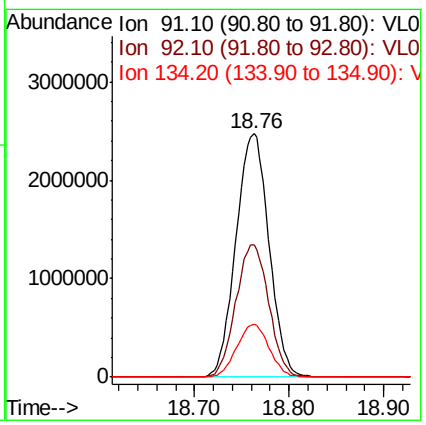


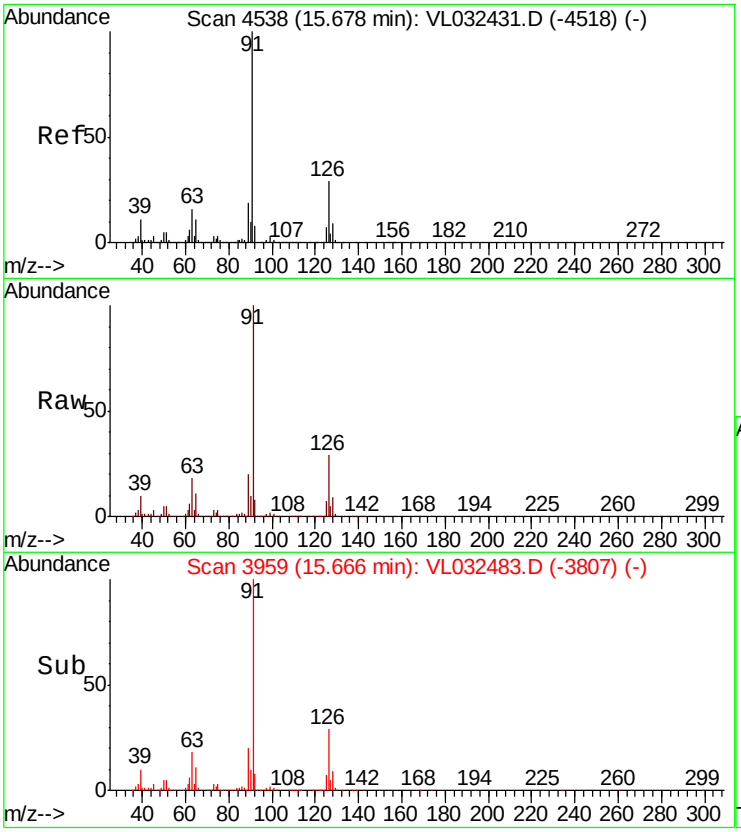


#70
n-Butylbenzene
Concen: 8.335 ppbv
RT: 18.76 min Scan# 4922
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion: 91 Resp: 5995808

Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.8
134	21.4	17.4	26.0



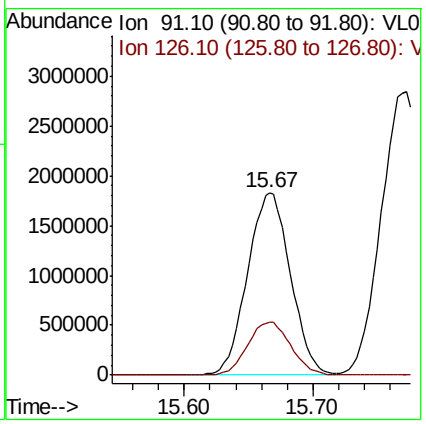


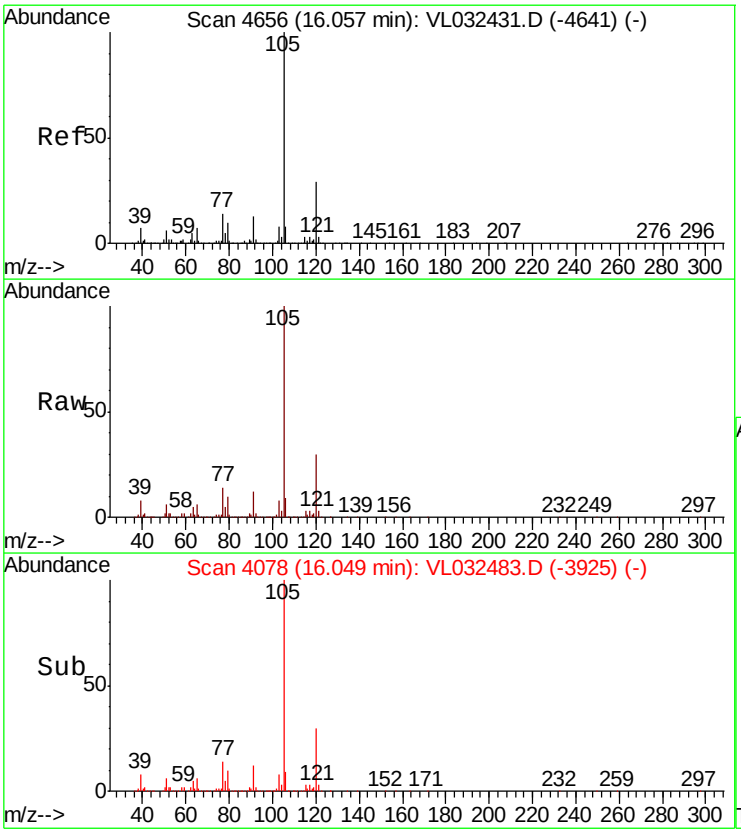
#71
2-Chlorotoluene
Concen: 8.781 ppbv
RT: 15.67 min Scan# 3959
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion: 91 Resp: 4238676

Ion	Ratio	Lower	Upper
91	100		
126	29.4	11.9	47.7

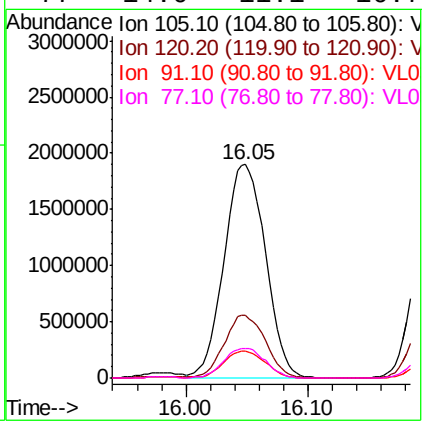


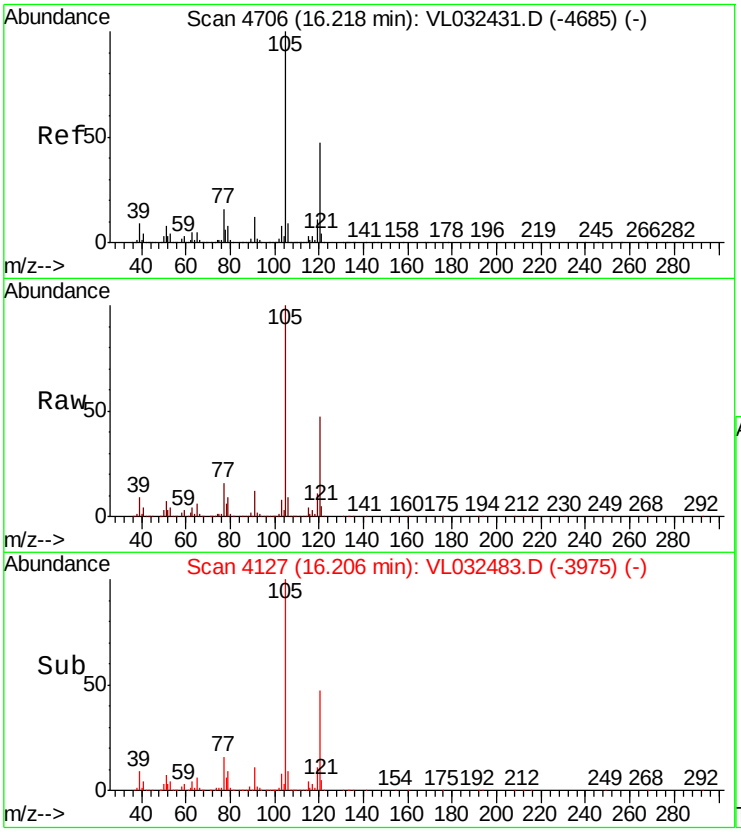


#72
4-Ethyltoluene
Concen: 9.148 ppbv
RT: 16.05 min Scan# 4078
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:105 Resp: 4489107

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.5	35.3
91	13.1	10.2	15.2
77	14.0	11.1	16.7



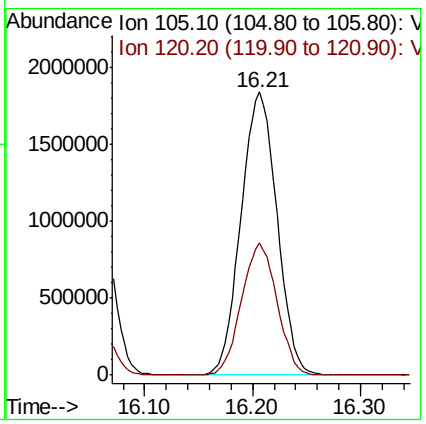


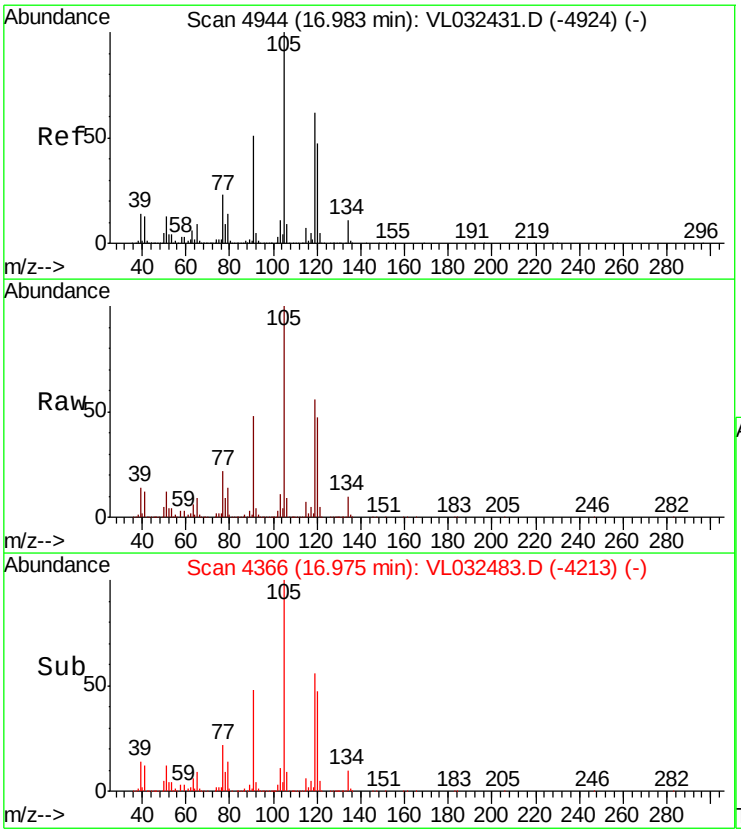
#73
1,3,5-Trimethylbenzene
Concen: 8.666 ppbv
RT: 16.21 min Scan# 4127
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:105 Resp: 4260468

Ion	Ratio	Lower	Upper
105	100		
120	46.7	37.9	56.9

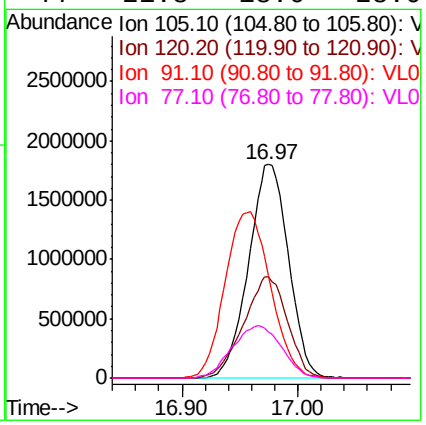


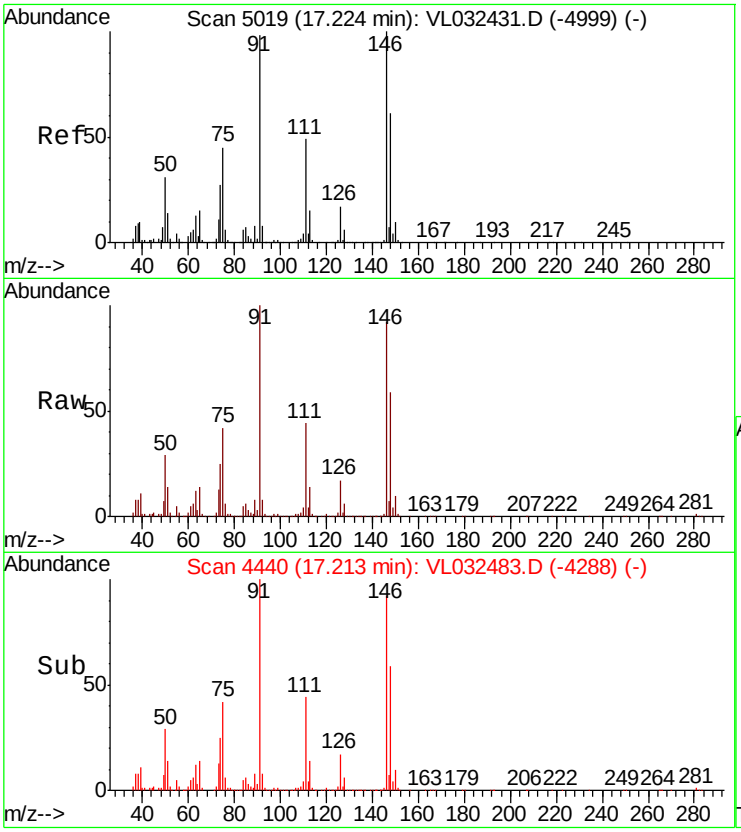


#74
1,2,4-Trimethylbenzene
Concen: 8.028 ppbv
RT: 16.97 min Scan# 4366
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:105 Resp: 4314815

Ion	Ratio	Lower	Upper
105	100		
120	47.3	37.8	56.8
91	47.8	41.4	62.0
77	21.8	18.6	28.0



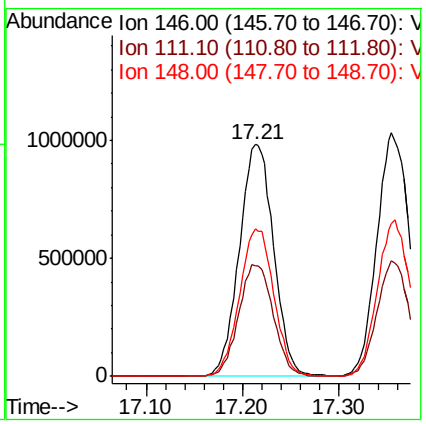


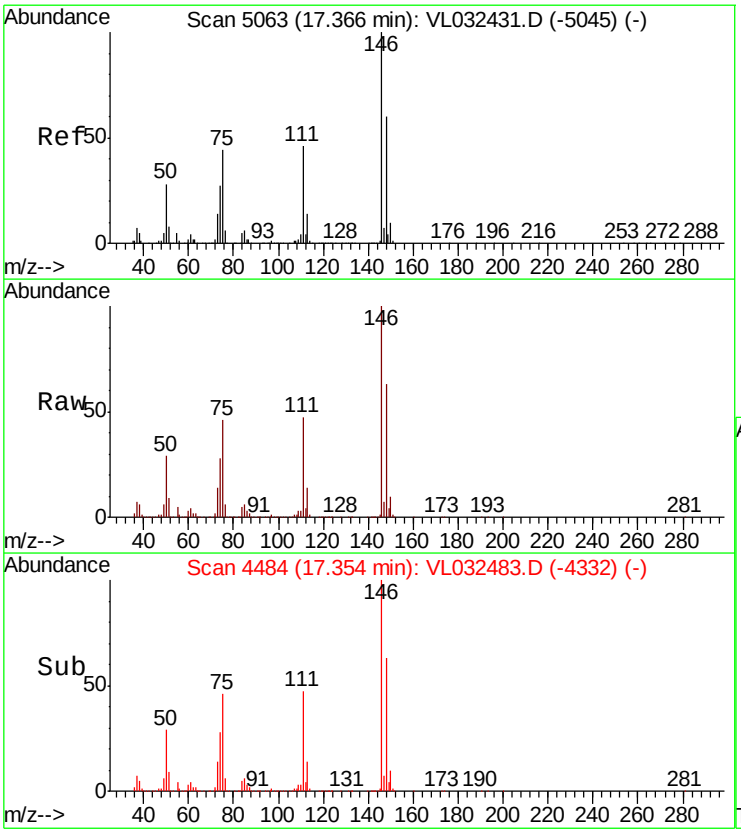
#75
1,3-Dichlorobenzene
Concen: 7.598 ppbv
RT: 17.21 min Scan# 4440
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:146 Resp: 2423033

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.5	73.5
148	63.7	32.0	96.2

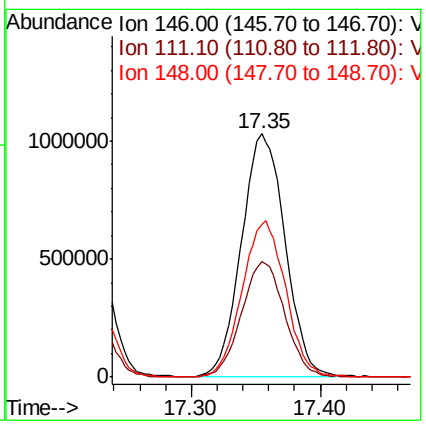


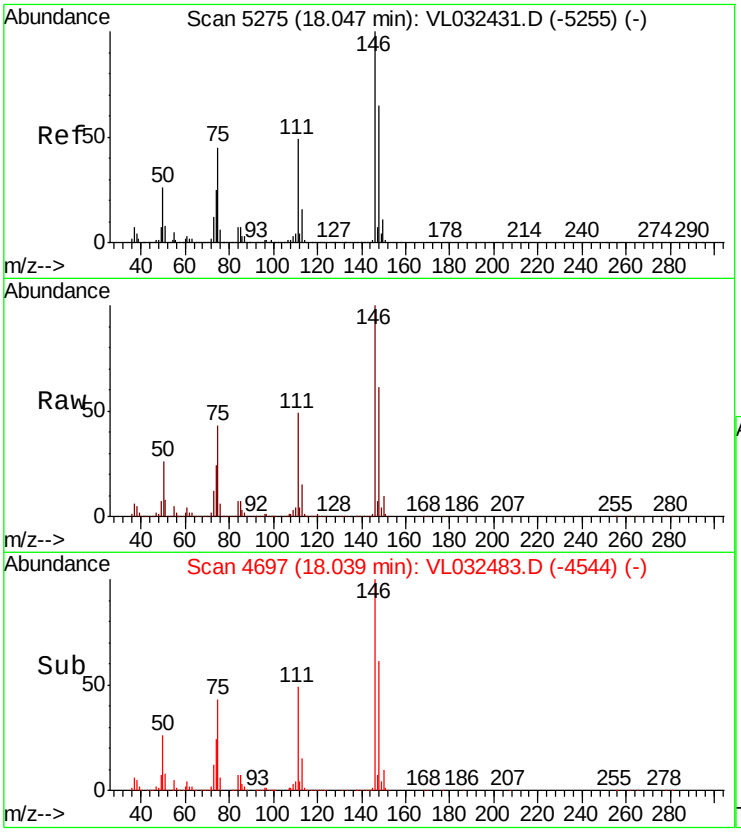


#76
1,4-Dichlorobenzene
Concen: 8.163 ppbv
RT: 17.35 min Scan# 4484
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:146 Resp: 2415500

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.4	70.2
148	64.6	32.0	96.2



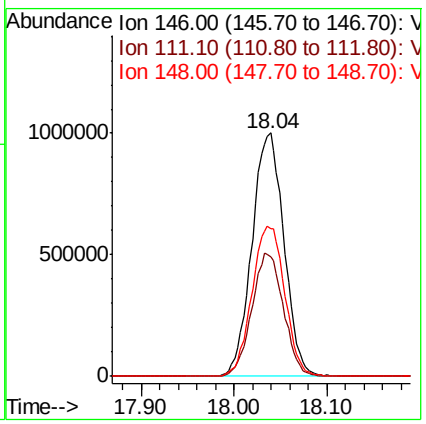


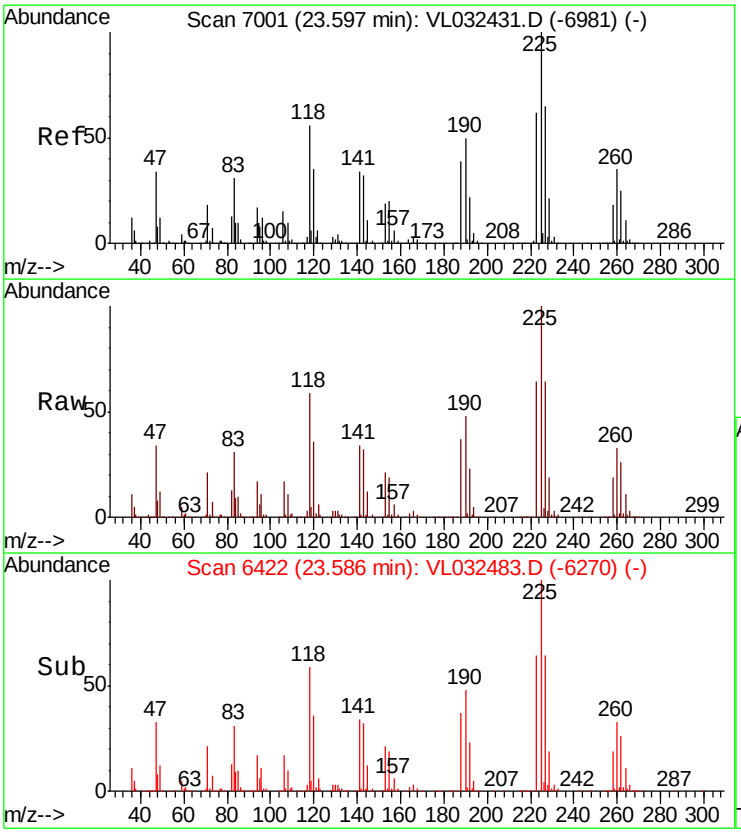
#77
1,2-Dichlorobenzene
Concen: 7.812 ppbv
RT: 18.04 min Scan# 4697
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument : MSVOA_L
ClientSampleId : VL0910ABS01

Tgt Ion:146 Resp: 2403821

Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.9	74.8
148	63.2	32.0	96.0

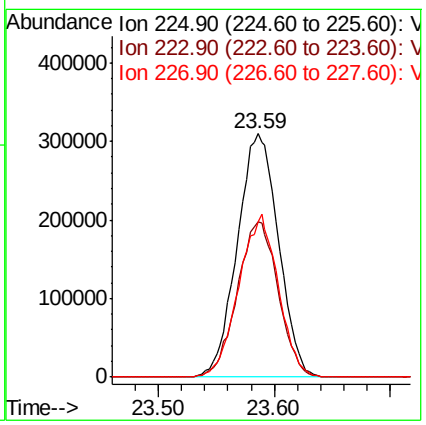


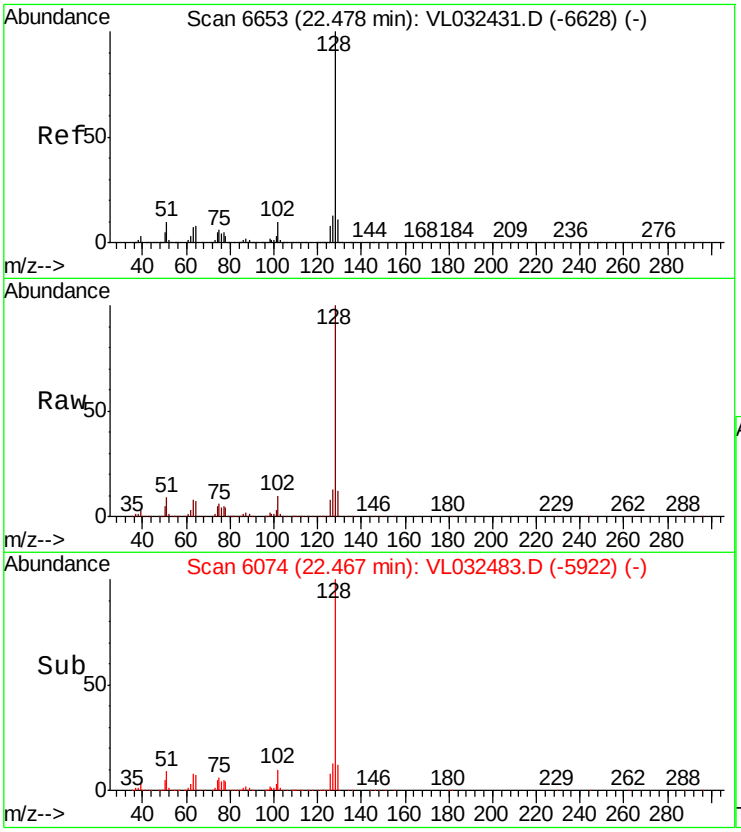


#78
Hexachloro-1,3-Butadiene
Concen: 6.637 ppbv
RT: 23.59 min Scan# 6422
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:225 Resp: 763075

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	64.3	51.2	76.8



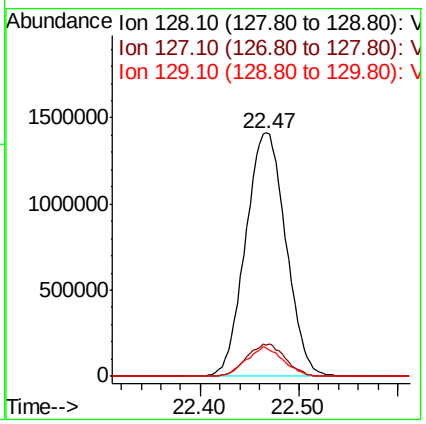


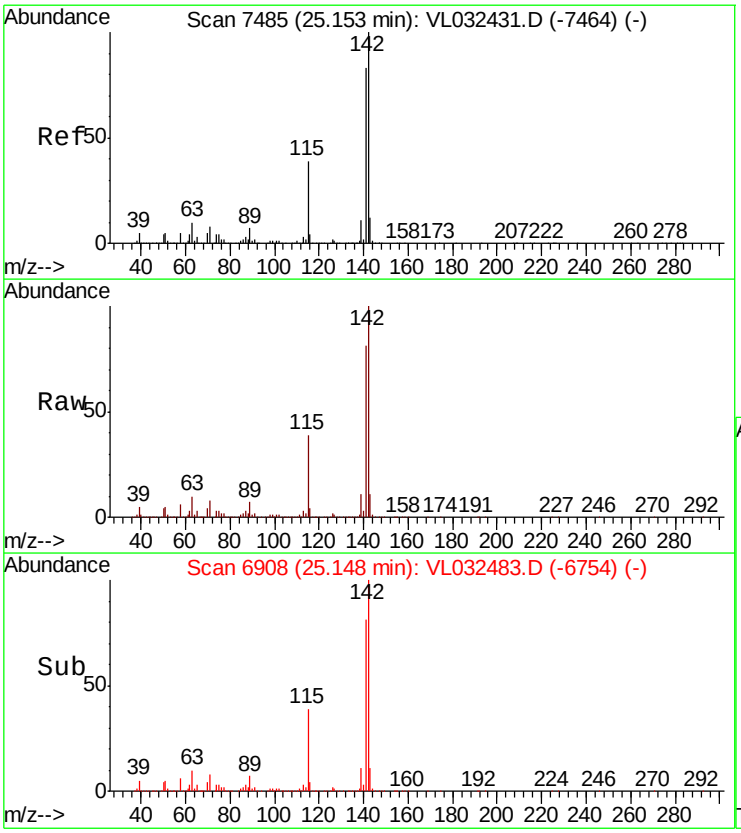
#79
Naphthalene
Concen: 9.118 ppbv
RT: 22.47 min Scan# 6074
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:128 Resp: 3985149

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.7	8.5	12.7

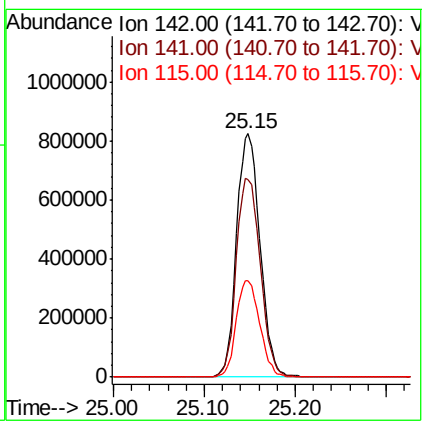


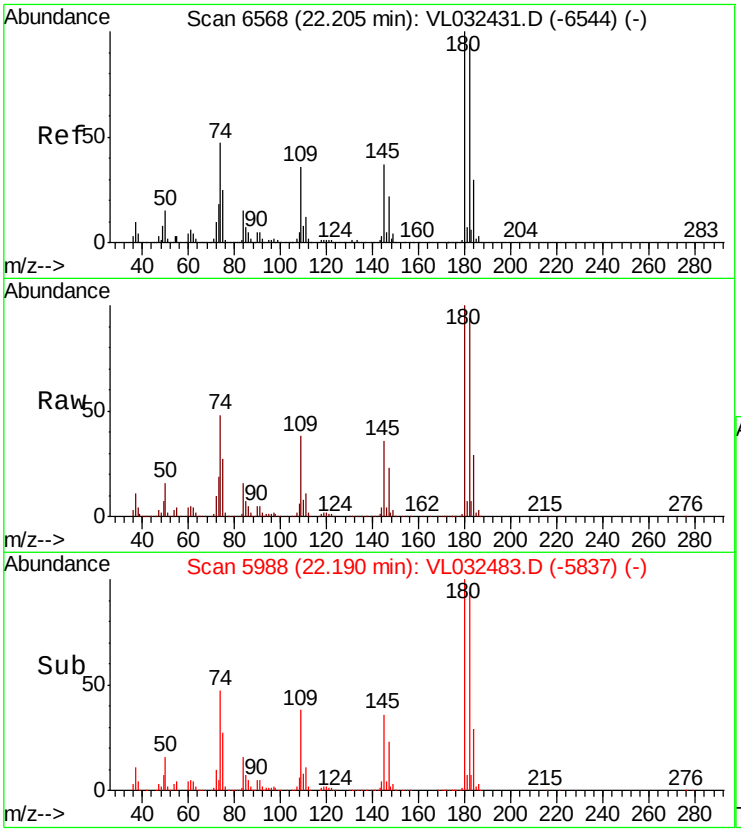


#80
Naphthalene,2-methyl-
Concen: 12.722 ppbv
RT: 25.15 min Scan# 6908
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Tgt Ion:142 Resp: 1479470

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.0	100.6
115	39.9	31.3	46.9





#81
1,2,4-Trichlorobenzene
Concen: 8.670 ppbv
RT: 22.19 min Scan# 5988
Delta R.T. -0.01 min
Lab File: VL032483.D
Acq: 10 Sep 2018 17:29

Instrument :
MSVOA_L
ClientSampleId :
VL0910ABS01

Tgt Ion:180 Resp: 1908506

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.1	114.1
184	30.2	23.8	35.8