Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\

Quantitation Report (Not Reviewed)

Data File : VL032355.D
Acq On : 15 Aug 2018 15:15
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Quant Time: Aug 16 05:45:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2207867	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4751499	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4765696	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.65	95	3386182	9.31	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.11	85	2282591	12.995	ppbv	99
3) Chlorodifluoromethane	3.05	51	1928963	9.431	ppbv	100
4) Chloromethane	3.21	50	1174043	9.645	ppbv	96
5) Vinyl Chloride	3.33	62	1129223	9.732	ppbv	99
6) Bromomethane	3.56	94	612720	9.850	ppbv	98
7) Chloroethane	3.64	64	398922	9.804	ppbv	100
8) Dichlorotetrafluoroethane	3.26	85	2281771	9.146	ppbv	100
9) Propene	3.07	41	901077	10.294	ppbv	99
10) Heptane	8.31	43	2879087	10.920	ppbv	99
11) Trichlorofluoromethane	4.05	101	2314831	9.374	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1557841	9.369	ppbv	97
13) Ethanol	3.69	45	242766	10.799	ppbv	97
14) Bromoethene	3.83	108	713091	9.915	ppbv	99
15) Acetone	3.95	43	1827064	8.710	ppbv	100
16) 1,3-Butadiene	3.40	39	974835	11.256	ppbv	85
17) tert-Butyl alcohol	4.07	59	53466	1.519	ppbv	98
18) 1,1-Dichloroethene	4.40	96	755949	9.757	ppbv	98
19) Isopropyl Alcohol	4.07	45	1443006	10.216	ppbv	99
20) Methylene Chloride	4.46	84	670868	8.468	ppbv	94
21) Allyl Chloride	4.53	41	1348129	10.182	ppbv	99
22) trans-1,2-Dichloroethene	5.02	96	724459	9.272	ppbv	99
23) Vinyl Acetate	5.21	43	3486076	9.624	ppbv	98
24) 1,1-Dichloroethane	5.14	63	2420879	9.256	ppbv	100
25) Ethyl Acetate	5.83	43	4330365	9.633	ppbv	99
26) Hexane	5.84	57	1987143	9.915	ppbv	100
27) Carbon Disulfide	4.67	76	1913363	10.229	ppbv	99
28) Methyl tert-Butyl Ether	5.17	73	2641209	9.931	ppbv	100
29) Chloroform	5.91	83	2842296	9.677	ppbv	100
30) Cyclohexane	7.31	84	1686668	11.049	ppbv	99
31) cis-1,2-Dichloroethene	5.70	61	2065932	10.537	ppbv	99
32) 1,1,1-Trichloroethane	6.68	97	2764637	9.673	ppbv	99
34) 2-Butanone	5.38	43	3144237	9.723	ppbv	99
35) Carbon Tetrachloride	7.20	117	2738895	9.776	ppbv	97
36) Benzene	7.07	78	3907351	9.700	ppbv	99
37) 1,2-Dichloroethane	6.48	62	2275375	9.310	ppbv	99
38) Trichloroethene	8.03	130	1367108	9.676	ppbv	98
39) 1,2-Dichloropropane	7.80	63	1645091	9.776	ppbv	96
40) 1,4-Dioxane	8.02	88	556327	10.884	ppbv	96
41) Tetrahydrofuran	6.21	42	1856308	10.693	ppbv	99
42) Bromodichloromethane	7.98	83	3121100	9.753	ppbv	99
43) Methyl Methacrylate	8.20	69	1694001	10.554	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\

Quantitation Report (Not Reviewed)

Data File : VL032355.D
Acq On : 15 Aug 2018 15:15
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Quant Time: Aug 16 05:45:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.06	57	7182539	9.888	ppbv		99
45) t-1,3-Dichloropropene	9.49	75	2269991	11.182	ppbv		99
46) cis-1,3-Dichloropropene	8.90	75	2714486	11.149	ppbv		99
47) 1,1,2-Trichloroethane	9.68	97	1709852	9.232	ppbv		98
48) Dibromochloromethane	10.52	129	2442247	9.864	ppbv		100
49) Bromoform	13.28	173	1981725	9.636	ppbv		99
50) 4-Methyl-2-Pentanone	8.94	43	4670342	10.000	ppbv		100
51) 2-Hexanone	10.34	43	3523176	10.742	ppbv	#	99
52) Tetrachloroethene	11.45	164	1154497	9.718	ppbv		97
53) Toluene	10.02	91	4369770	9.896	ppbv		99
54) 1,2-Dibromoethane	10.83	107	2285731	9.609	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.35	131	1752256	8.888	ppbv		99
57) Chlorobenzene	12.38	112	3175097	8.850	ppbv		98
58) Ethyl Benzene	12.94	91	5783001	10.086	ppbv		100
59) m/p-Xylene	13.22	91	4504470	9.248	ppbv	#	27
60) o-Xylene	13.92	91	4535233	9.473	ppbv		100
61) Styrene	13.76	104	3548550	10.606	ppbv		99
62) Isopropylbenzene	14.90	105	6406800	9.402	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.91	83	3440819	8.547	ppbv		100
64) n-propylbenzene	15.79	120	1697077	9.622	ppbv		99
65) tert-Butylbenzene	16.98	119	5323046	9.144	ppbv		100
66) Benzyl Chloride	17.23	91	3440944	9.983	ppbv		99
67) sec-Butylbenzene	17.53	105	7996933	9.239	ppbv		99
69) p-Isopropyltoluene	17.88	119	6298101	9.507	ppbv		100
70) n-Butylbenzene	18.78	91	6978964	9.608	ppbv		100
71) 2-Chlorotoluene	15.69	91	5147455	9.760	ppbv		100
72) 4-Ethyltoluene	16.07	105	5429999	10.169	ppbv		100
73) 1,3,5-Trimethylbenzene	16.23	105	5148405	10.024	ppbv		98
74) 1,2,4-Trimethylbenzene	17.00	105	5041976	9.226	ppbv		97
75) 1,3-Dichlorobenzene	17.24	146	2824354	8.600	ppbv		100
76) 1,4-Dichlorobenzene	17.38	146	2887950	9.284	ppbv		99
77) 1,2-Dichlorobenzene	18.06	146	2790429	8.892	ppbv		99
78) Hexachloro-1,3-Butadiene	23.61	225	1696393	16.106	ppbv		100
79) Naphthalene	22.49	128	4641248	9.111	ppbv		98
80) Naphthalene,2-methyl-	25.17	142	1799950	16.509	ppbv		99
81) 1,2,4-Trichlorobenzene	22.22	180	2221267	10.511	ppbv		99

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

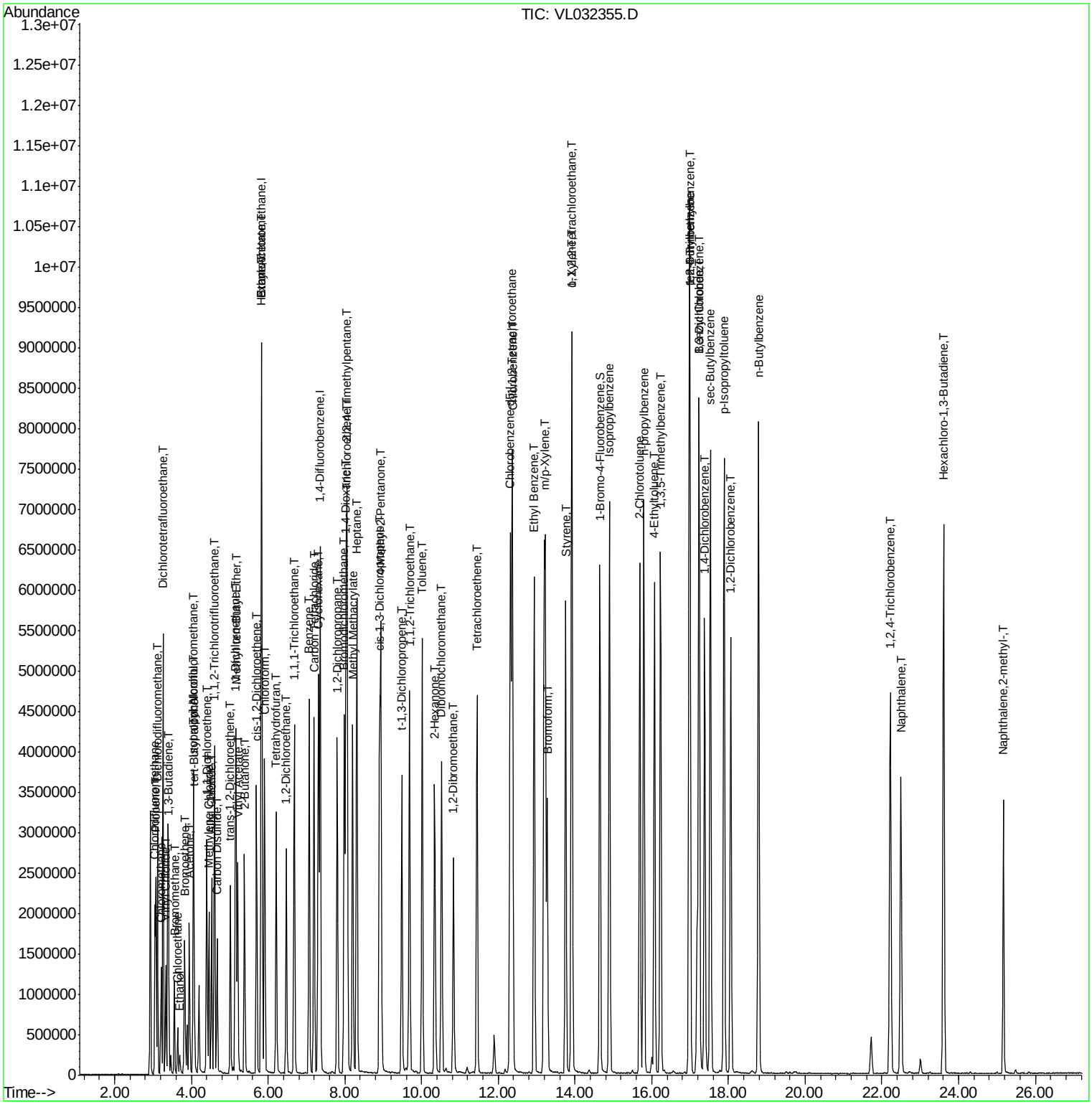
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081518\

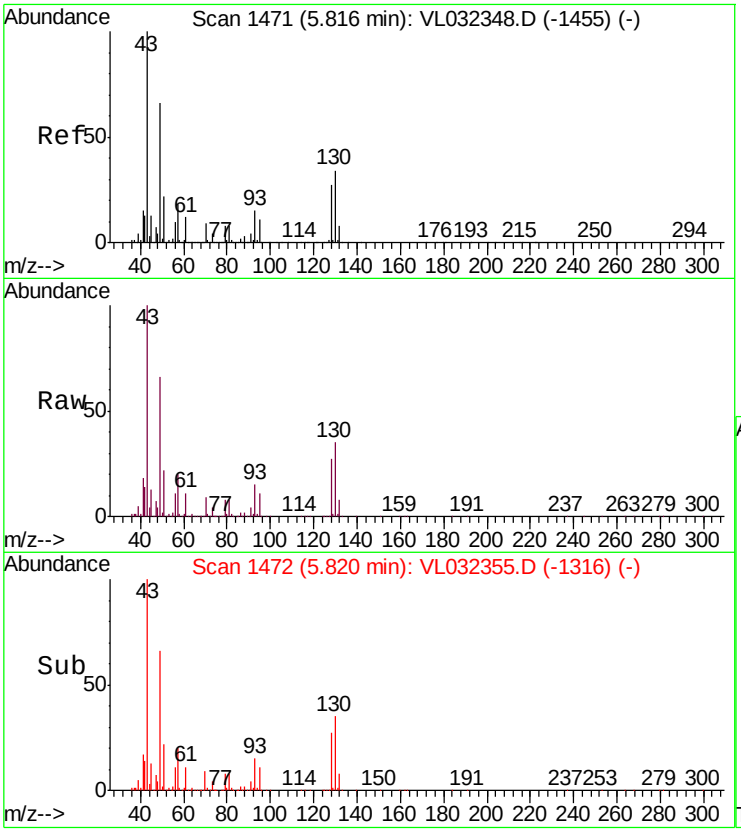
Quantitation Report (Not Reviewed)

Data File : VL032355.D
Acq On : 15 Aug 2018 15:15
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Quant Time: Aug 16 05:45:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration



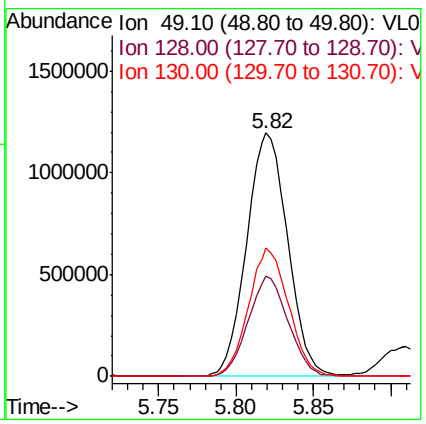


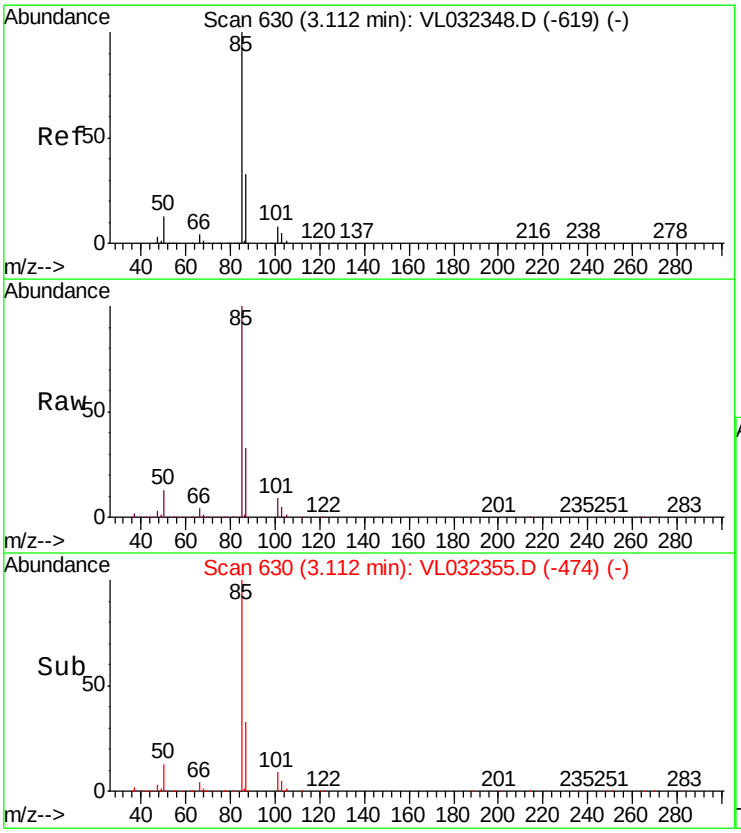
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 49 Resp: 2207867

Ion	Ratio	Lower	Upper
49	100		
128	40.3	20.5	61.6
130	51.7	26.2	78.5

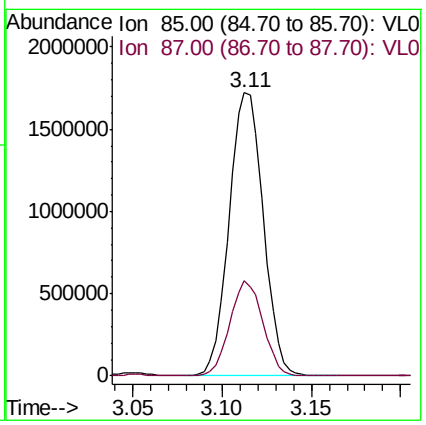


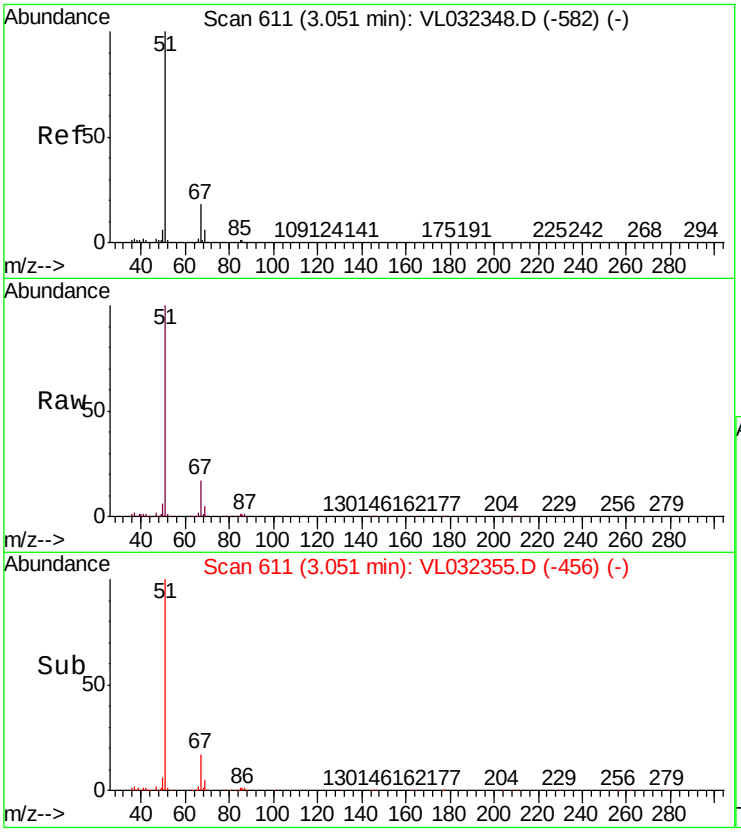


#2
Dichlorodifluoromethane
Concen: 12.995 ppbv
RT: 3.11 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 85 Resp: 2282591

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.3	39.5



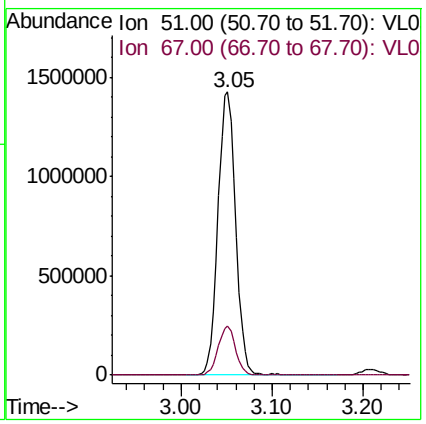


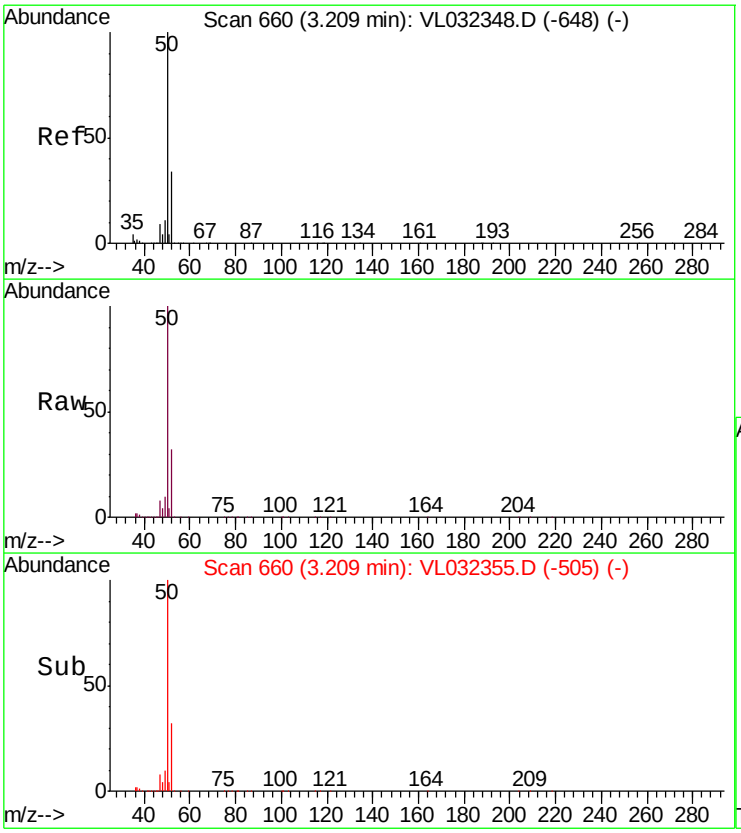
#3
Chlorodifluoromethane
Concen: 9.431 ppbv
RT: 3.05 min Scan# 611
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 51 Resp: 1928963

Ion	Ratio	Lower	Upper
51	100		
67	17.1	13.7	20.5

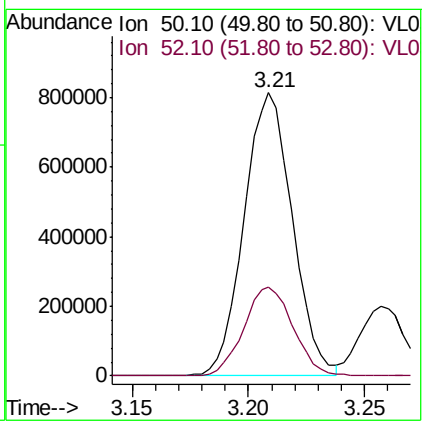


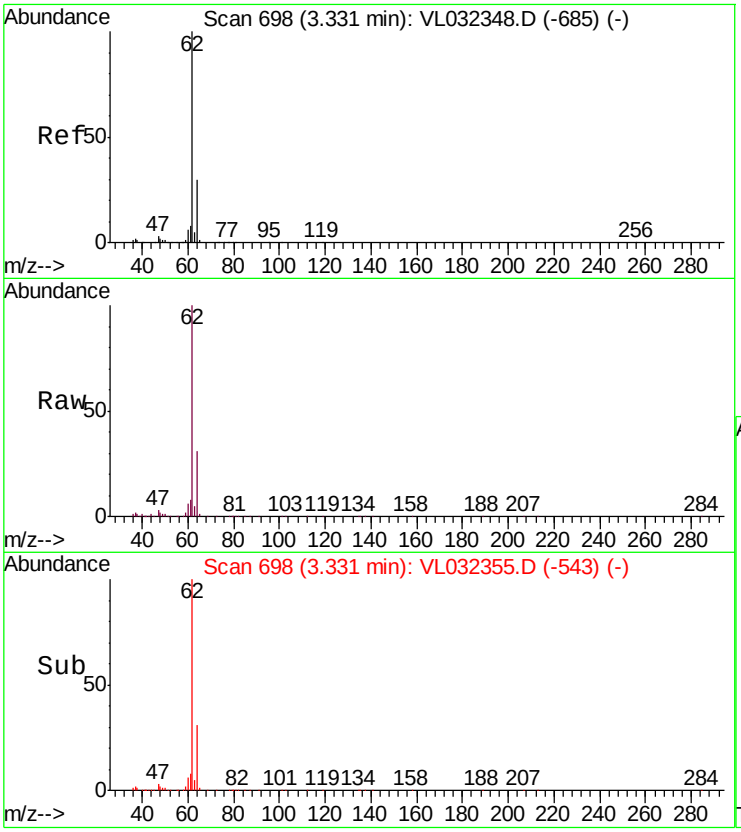


#4
Chloromethane
Concen: 9.645 ppbv
RT: 3.21 min Scan# 660
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 50 Resp: 1174043

Ion	Ratio	Lower	Upper
50	100		
52	31.5	26.8	40.2



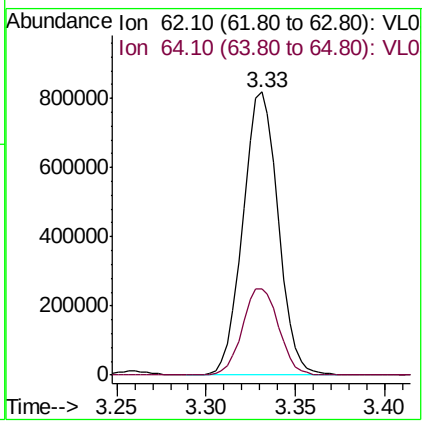


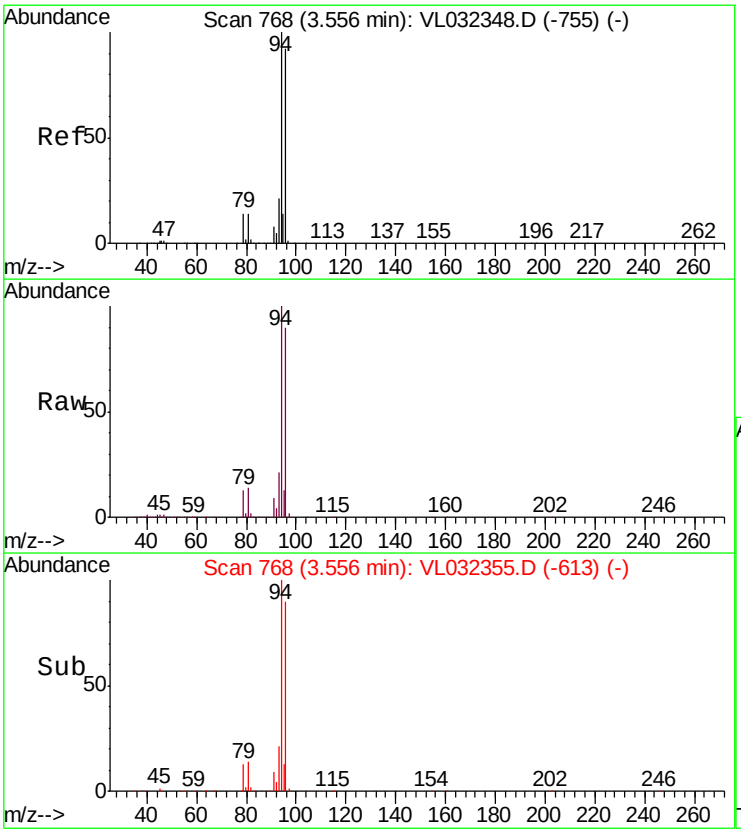
#5
Vinyl Chloride
Concen: 9.732 ppbv
RT: 3.33 min Scan# 698
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 62 Resp: 1129223

Ion	Ratio	Lower	Upper
62	100		
64	30.7	24.2	36.2

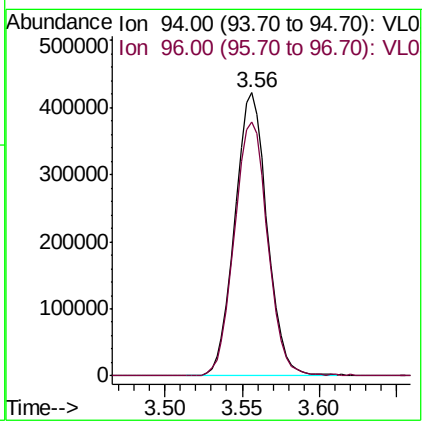


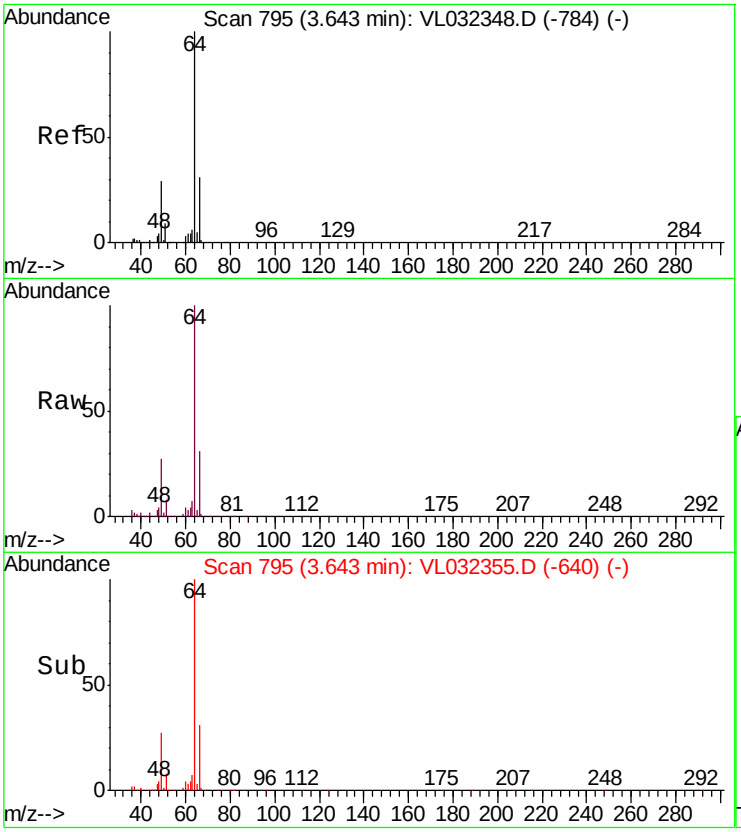


#6
Bromomethane
Concen: 9.850 ppbv
RT: 3.56 min Scan# 768
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 94 Resp: 612720

Ion	Ratio	Lower	Upper
94	100		
96	89.9	73.7	110.5



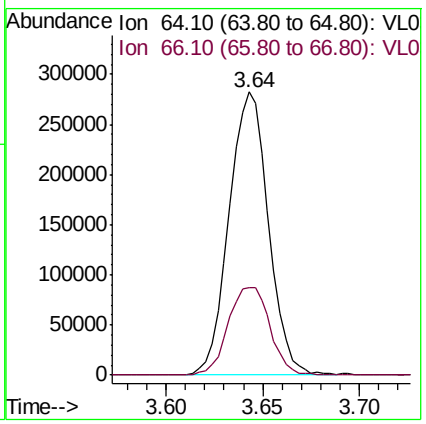


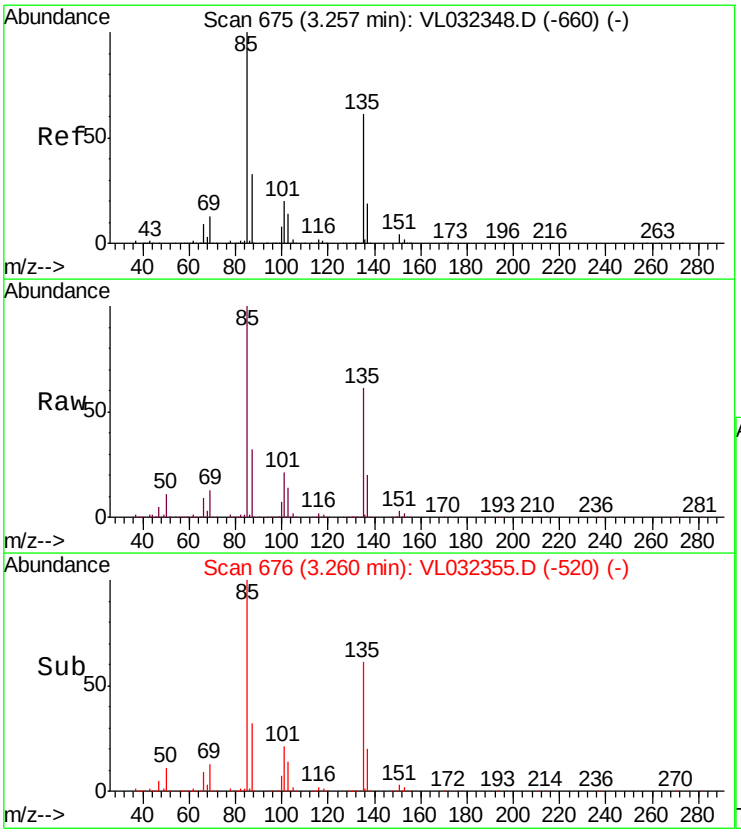
#7
Chloroethane
Concen: 9.804 ppbv
RT: 3.64 min Scan# 795
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 64 Resp: 398922

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.6	36.8

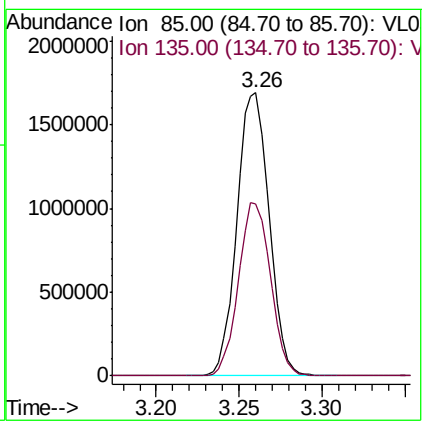


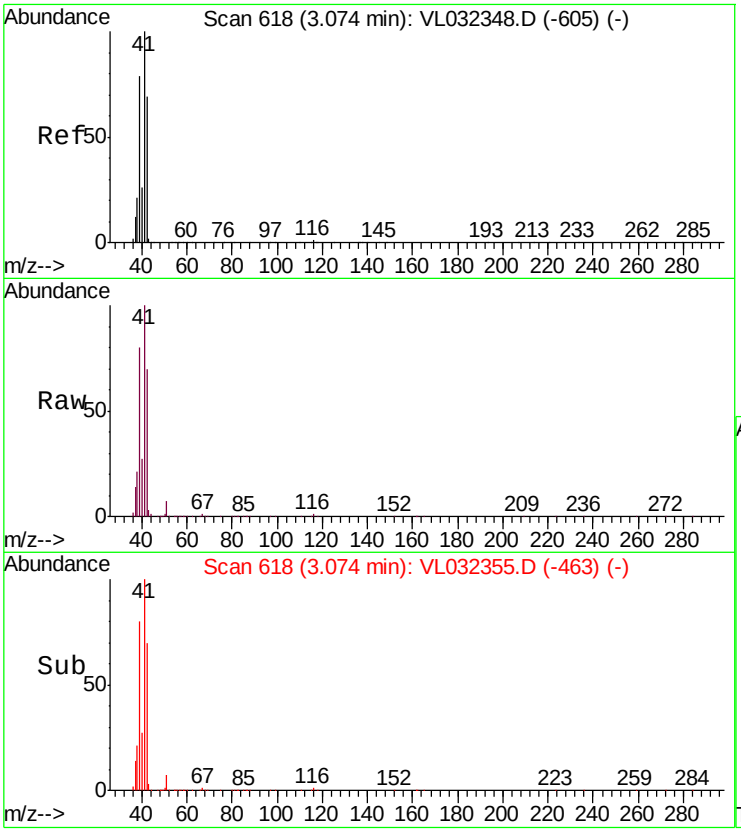


#8
Dichlorotetrafluoroethane
Concen: 9.146 ppbv
RT: 3.26 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 85 Resp: 2281771

Ion	Ratio	Lower	Upper
85	100		
135	61.1	49.0	73.6



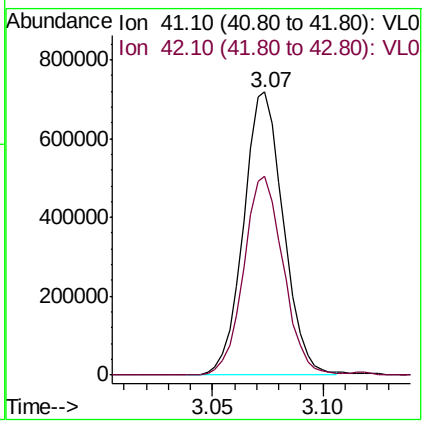


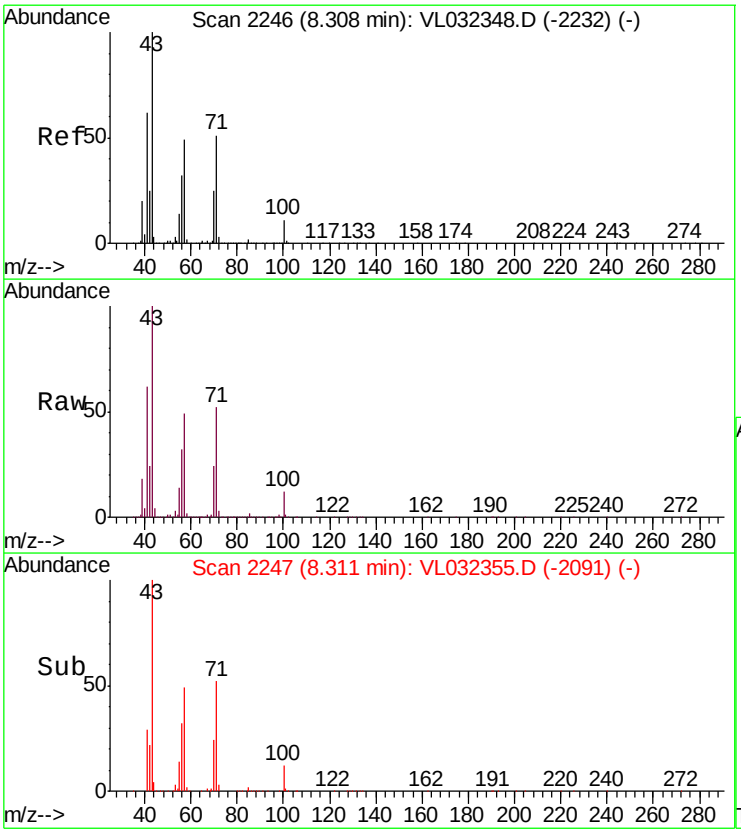
#9
Propene
Concen: 10.294 ppbv
RT: 3.07 min Scan# 618
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 41 Resp: 901077

Ion	Ratio	Lower	Upper
41	100		
42	71.0	55.9	83.9

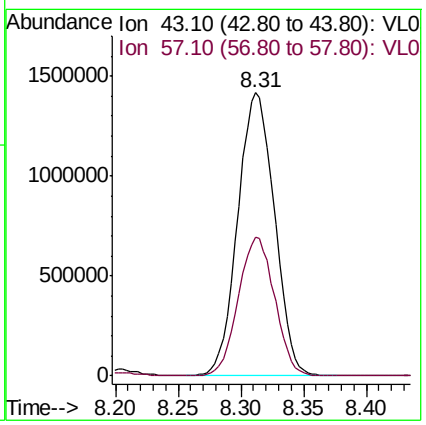


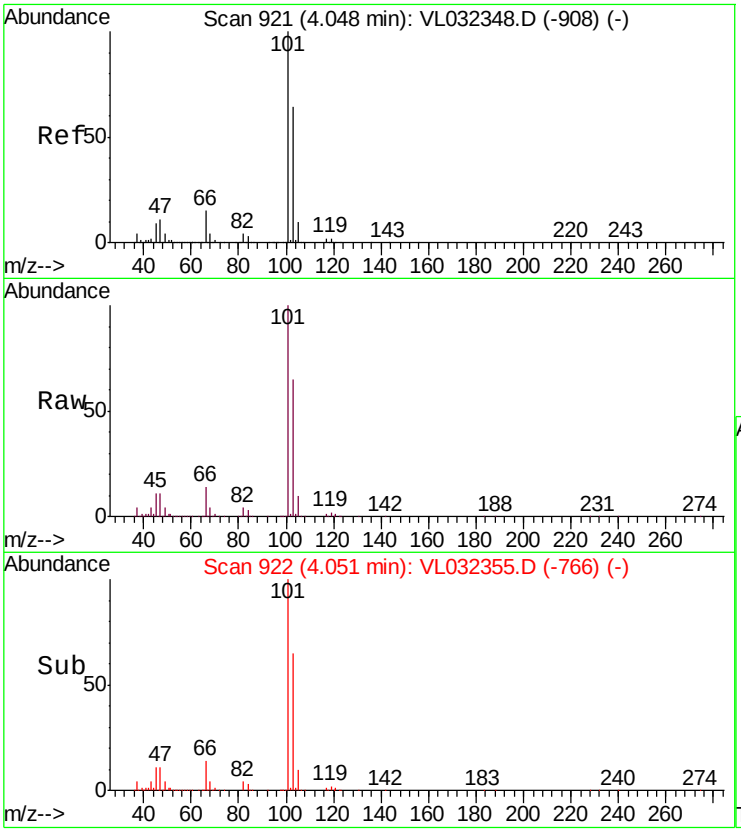


#10
Heptane
Concen: 10.920 ppbv
RT: 8.31 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 43 Resp: 2879087

Ion	Ratio	Lower	Upper
43	100		
57	48.5	39.5	59.3



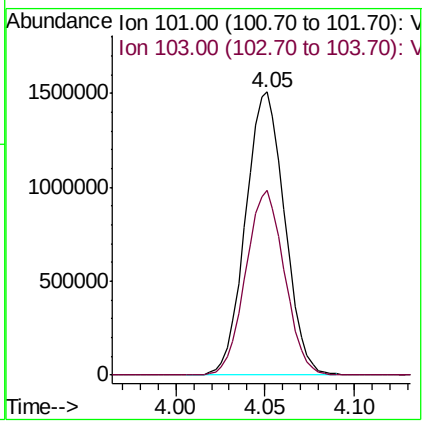


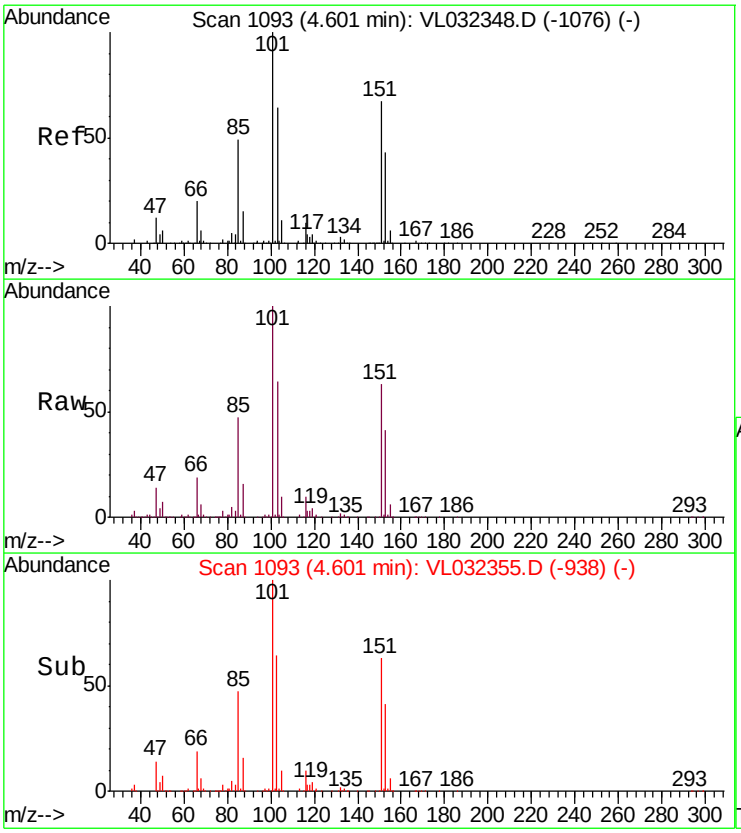
#11
Trichlorofluoromethane
Concen: 9.374 ppbv
RT: 4.05 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:101 Resp: 2314831

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.4	77.0

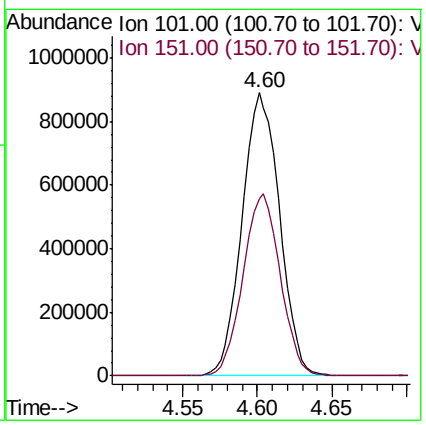


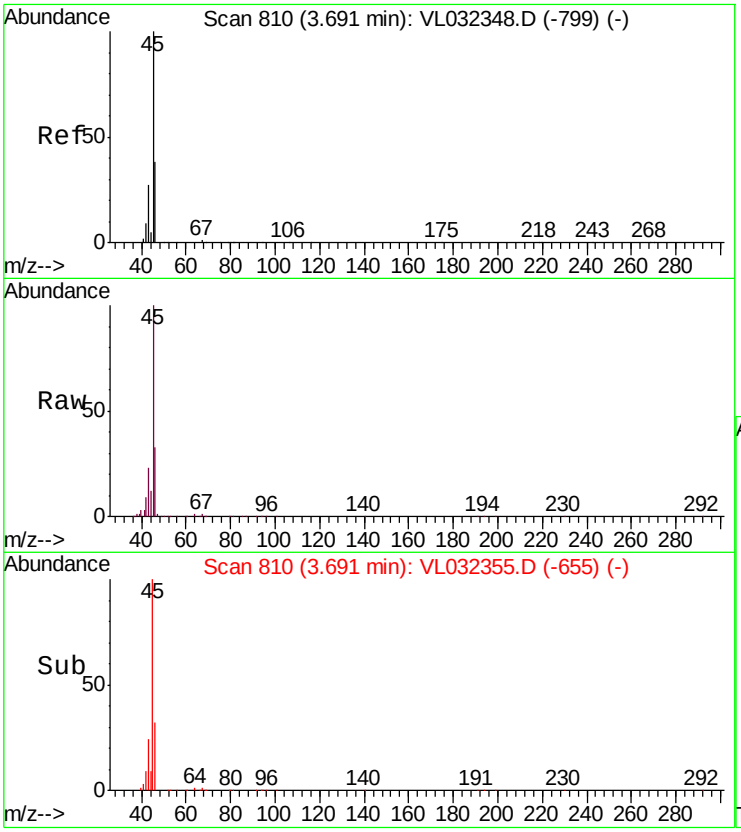


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.369 ppbv
RT: 4.60 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:101 Resp: 1557841

Ion	Ratio	Lower	Upper
101	100		
151	64.0	53.1	79.7



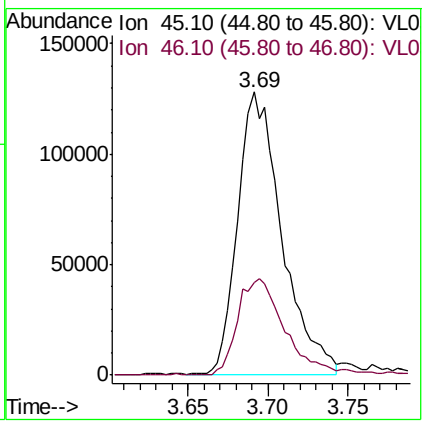


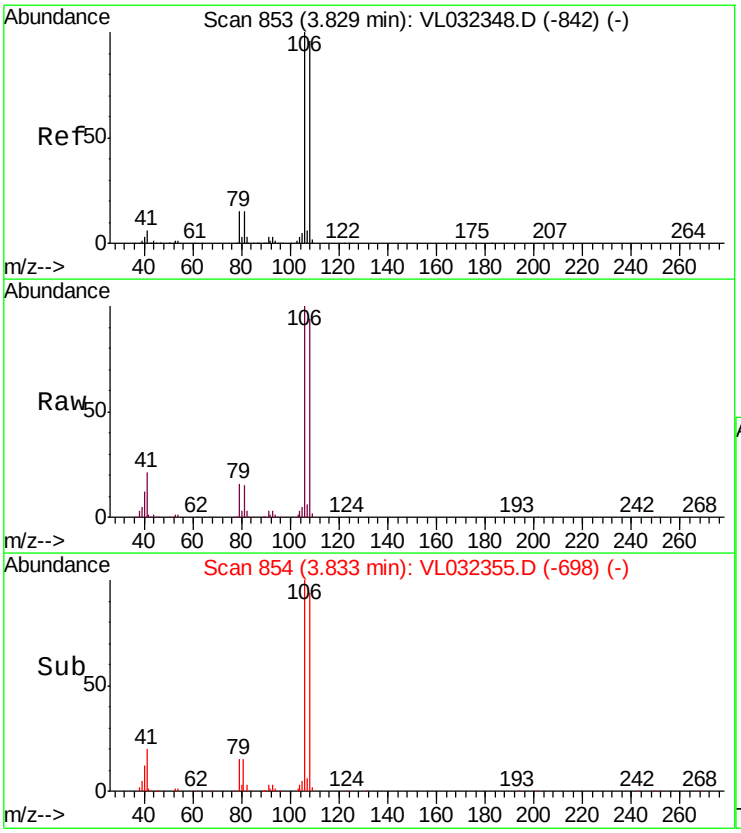
#13
Ethanol
Concen: 10.799 ppbv
RT: 3.69 min Scan# 810
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 45 Resp: 242766

Ion	Ratio	Lower	Upper
45	100		
46	37.0	15.6	62.4

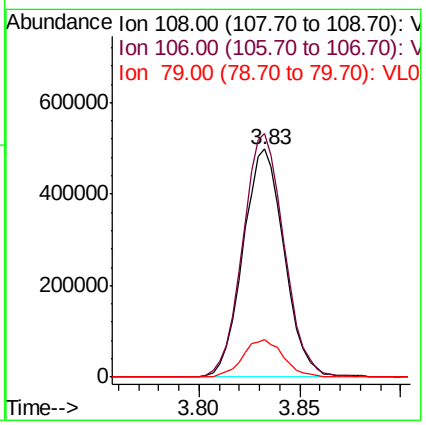


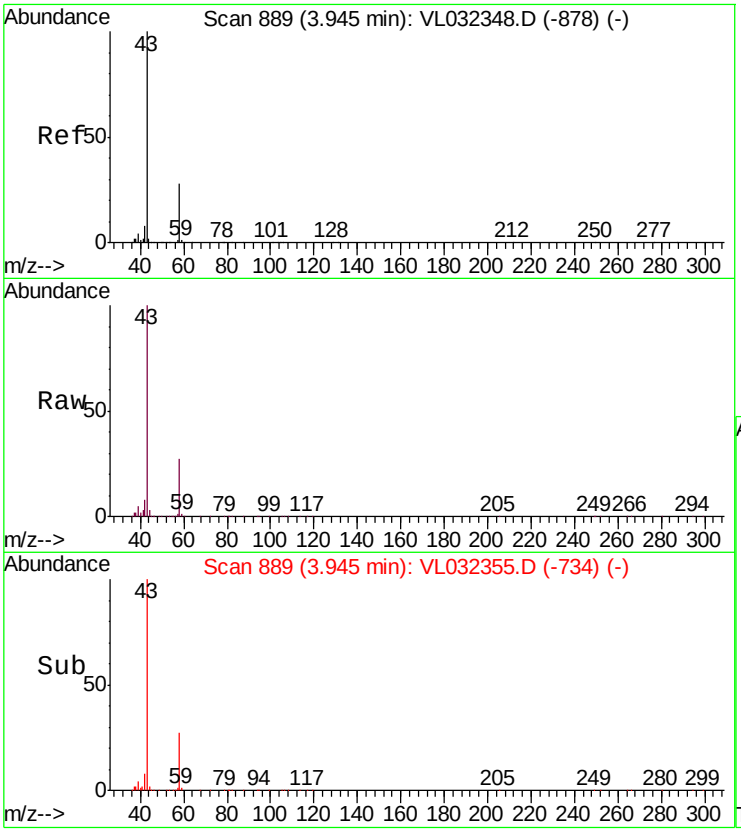


#14
Bromoethene
Concen: 9.915 ppbv
RT: 3.83 min Scan# 854
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:108 Resp: 713091

Ion	Ratio	Lower	Upper
108	100		
106	108.4	85.7	128.5
79	16.8	13.1	19.7



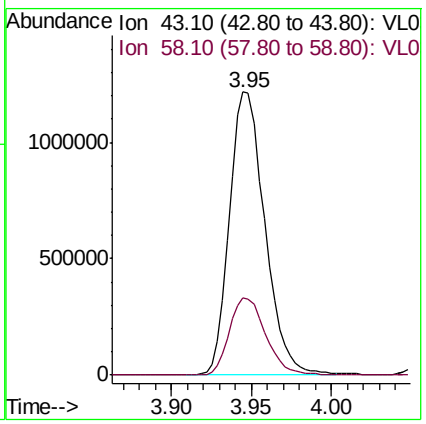


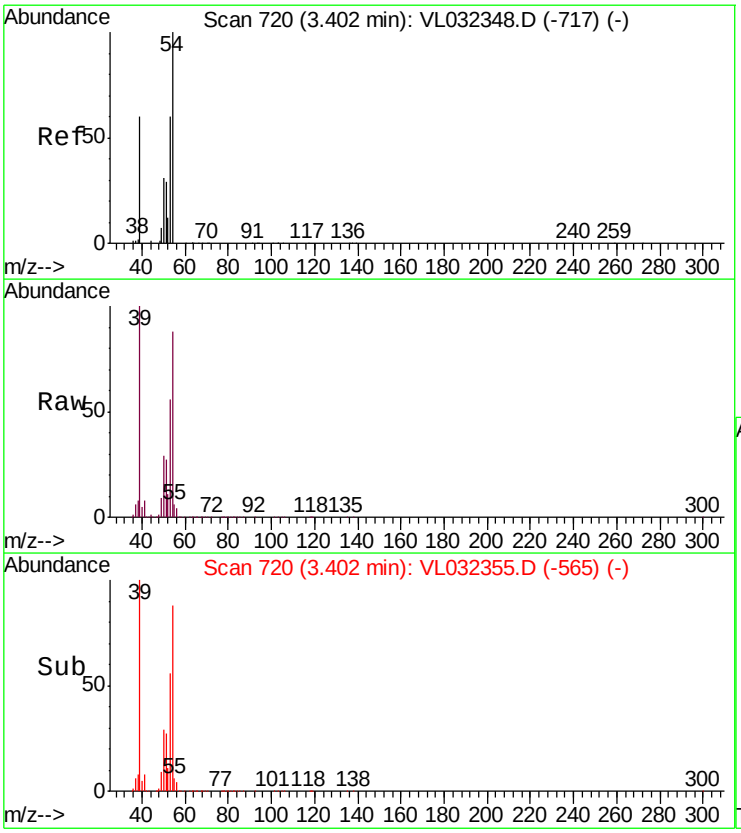
#15
Acetone
Concen: 8.710 ppbv
RT: 3.95 min Scan# 889
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 43 Resp: 1827064

Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.4	33.6

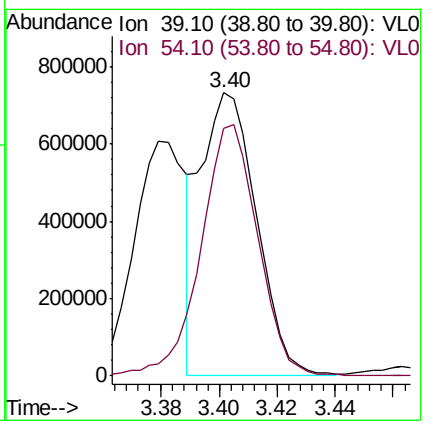


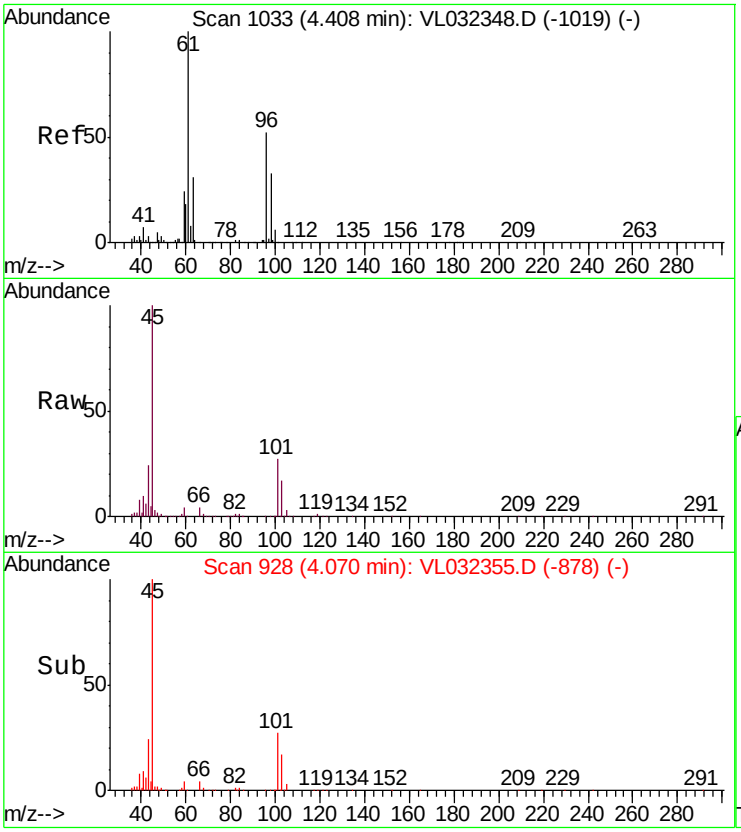


#16
1,3-Butadiene
Concen: 11.256 ppbv
RT: 3.40 min Scan# 720
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 39 Resp: 974835

Ion	Ratio	Lower	Upper
39	100		
54	91.7	85.5	128.3



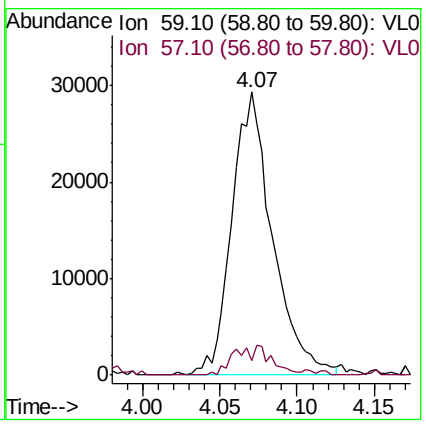


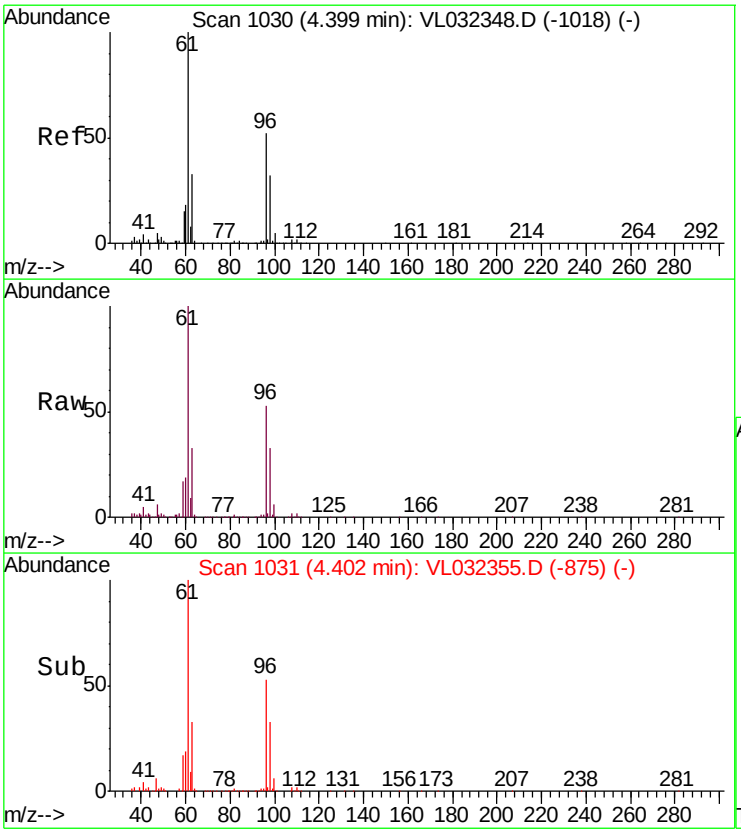
#17
tert-Butyl alcohol
Concen: 1.519 ppbv
RT: 4.07 min Scan# 928
Delta R.T. -0.34 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 59 Resp: 53466

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.6	11.4

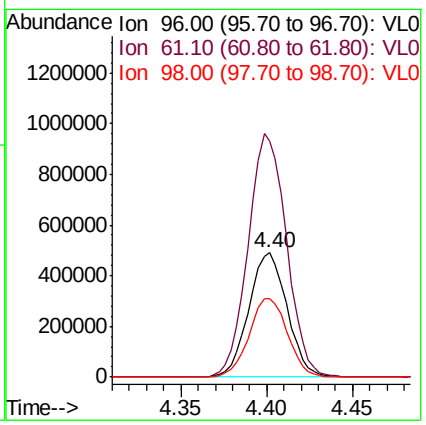


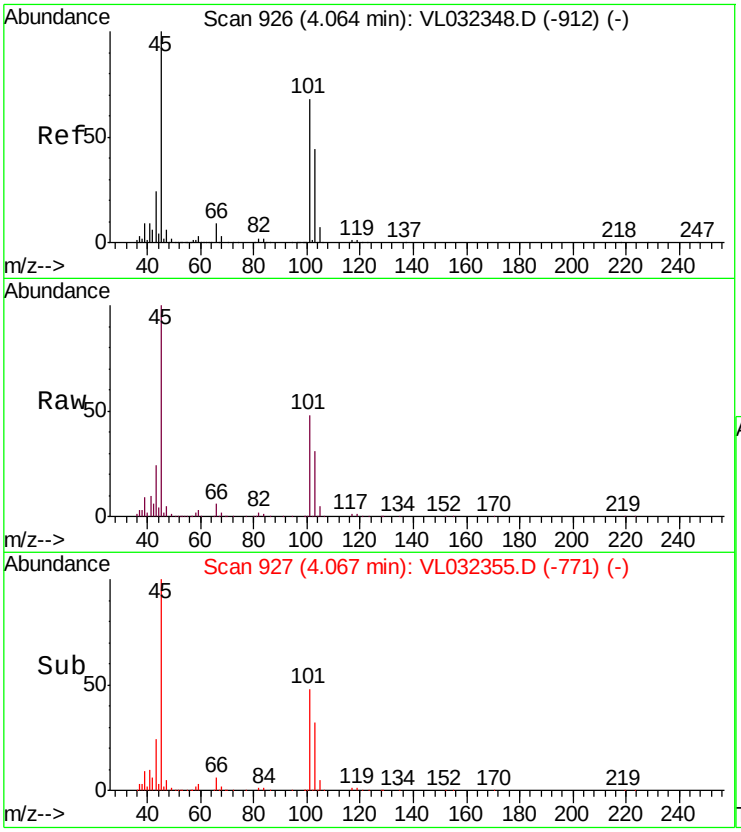


#18
1,1-Dichloroethene
Concen: 9.757 ppbv
RT: 4.40 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 96 Resp: 755949

Ion	Ratio	Lower	Upper
96	100		
61	190.4	154.6	231.8
98	63.6	50.1	75.1



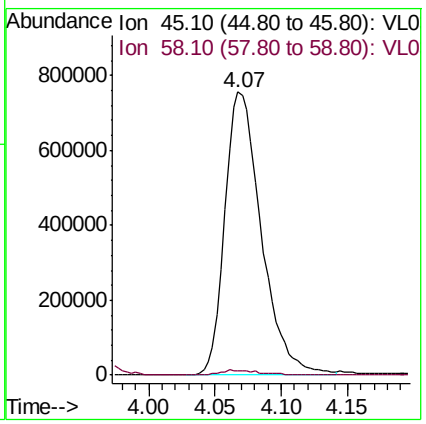


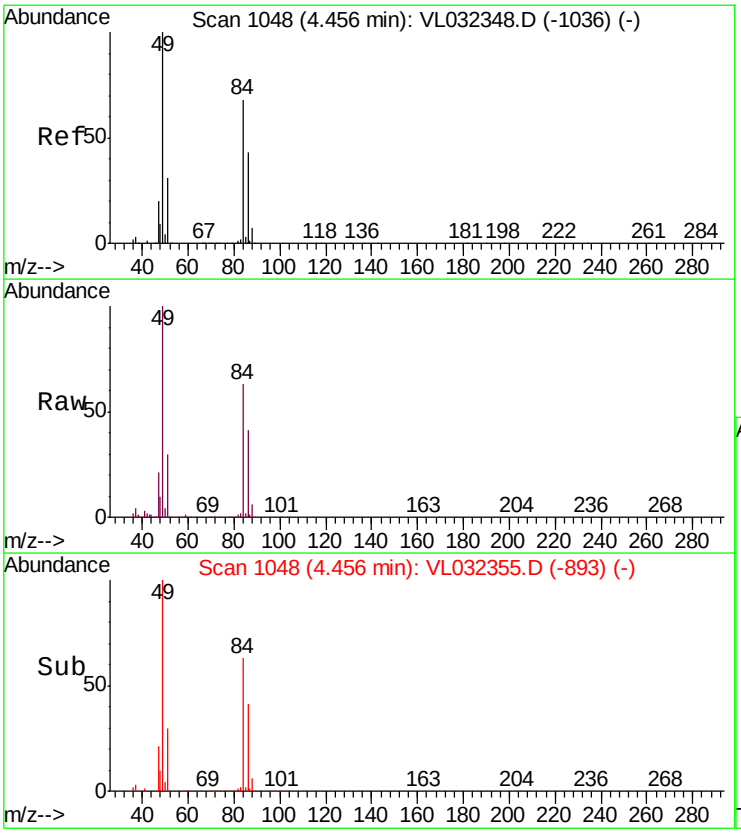
#19
Isopropyl Alcohol
Concen: 10.216 ppbv
RT: 4.07 min Scan# 927
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 45 Resp: 1443006

Ion	Ratio	Lower	Upper
45	100		
58	2.0	1.4	2.0

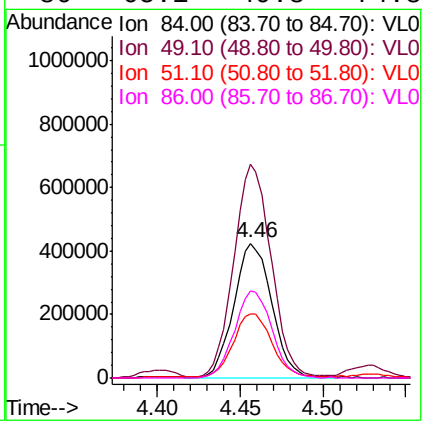


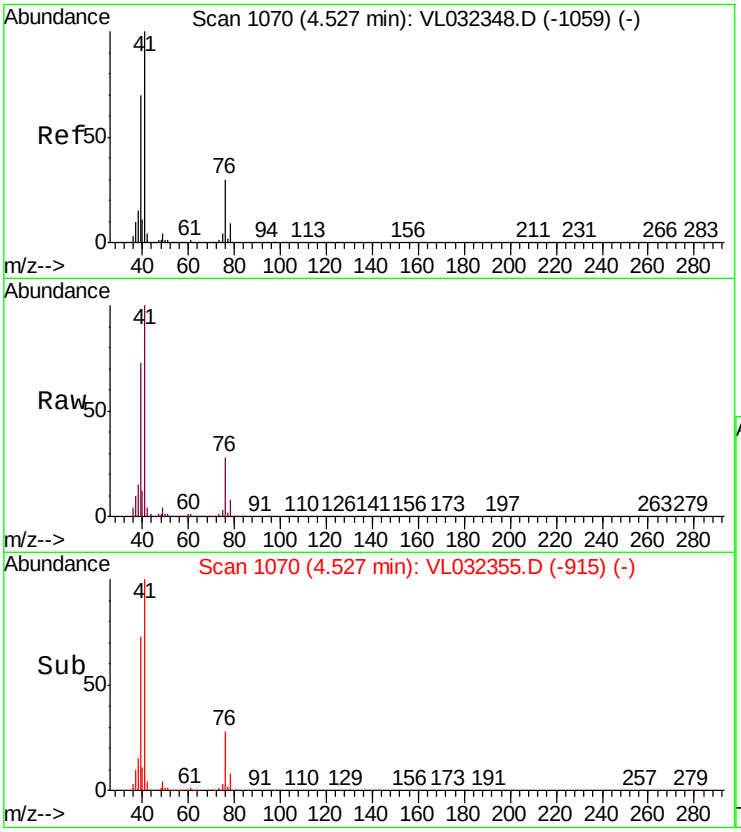


#20
Methylene Chloride
Concen: 8.468 ppbv
RT: 4.46 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 84 Resp: 670868

Ion	Ratio	Lower	Upper
84	100		
49	158.1	117.3	175.9
51	46.7	36.6	55.0
86	65.1	49.8	74.8



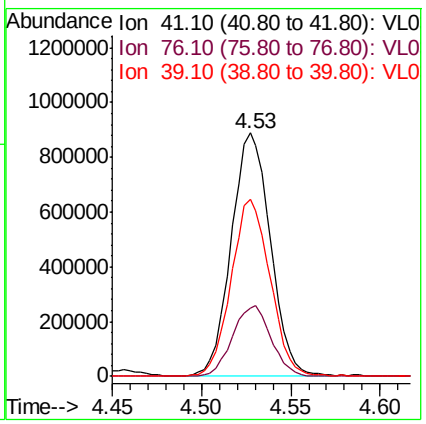


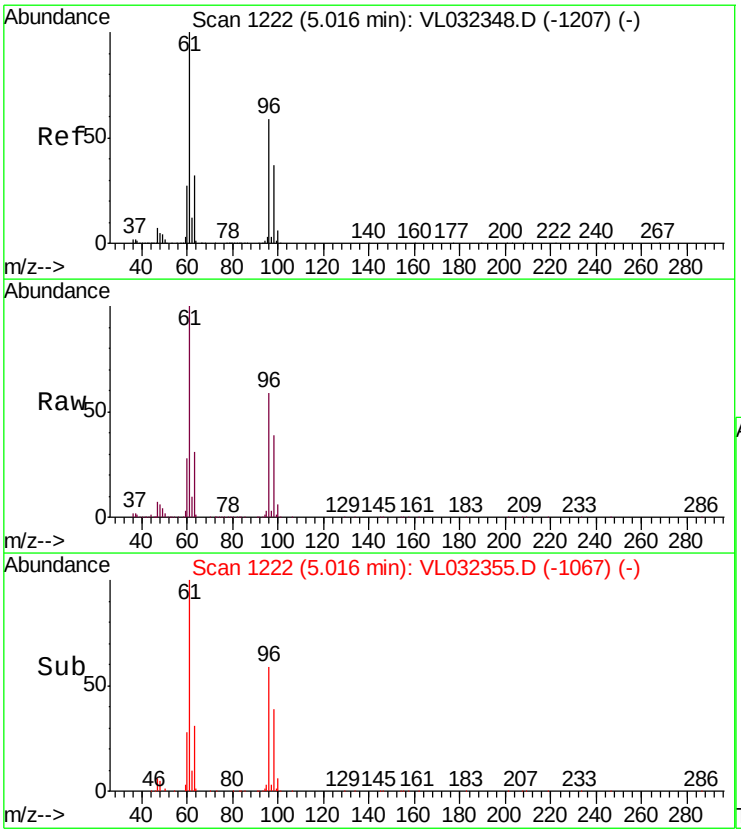
#21
Allyl Chloride
Concen: 10.182 ppbv
RT: 4.53 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 41 Resp: 1348129

Ion	Ratio	Lower	Upper
41	100		
76	28.9	22.9	34.3
39	72.8	57.6	86.4

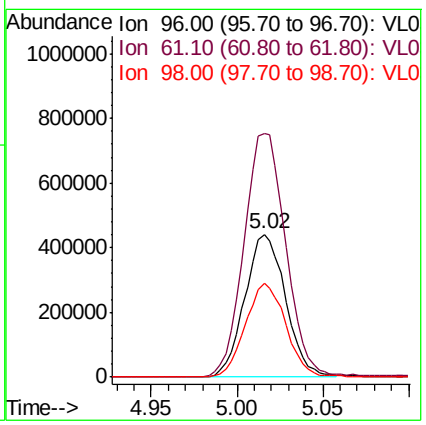


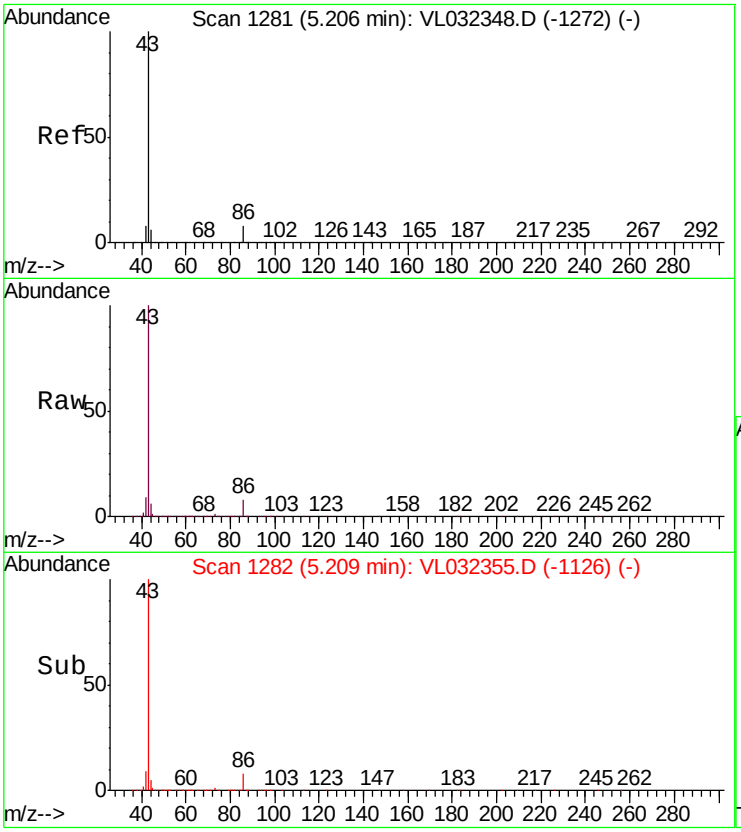


#22
trans-1,2-Dichloroethene
Concen: 9.272 ppbv
RT: 5.02 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 96 Resp: 724459

Ion	Ratio	Lower	Upper
96	100		
61	170.2	136.6	205.0
98	65.6	50.6	76.0



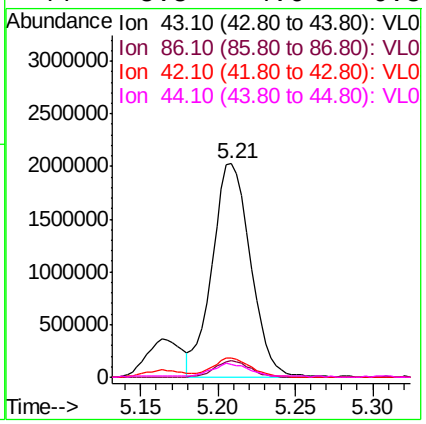


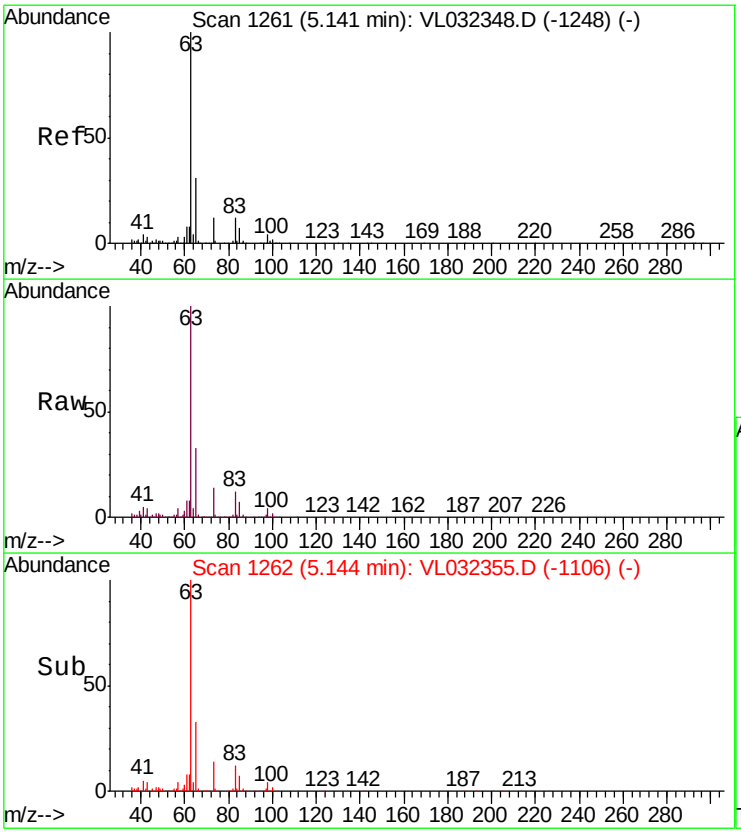
#23
Vinyl Acetate
Concen: 9.624 ppbv
RT: 5.21 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 43 Resp: 3486076

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	9.2	7.0	10.6
44	5.5	4.6	6.8

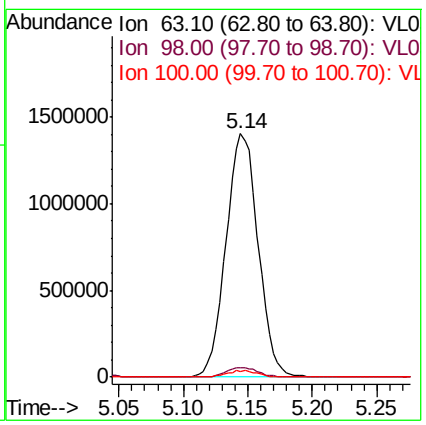


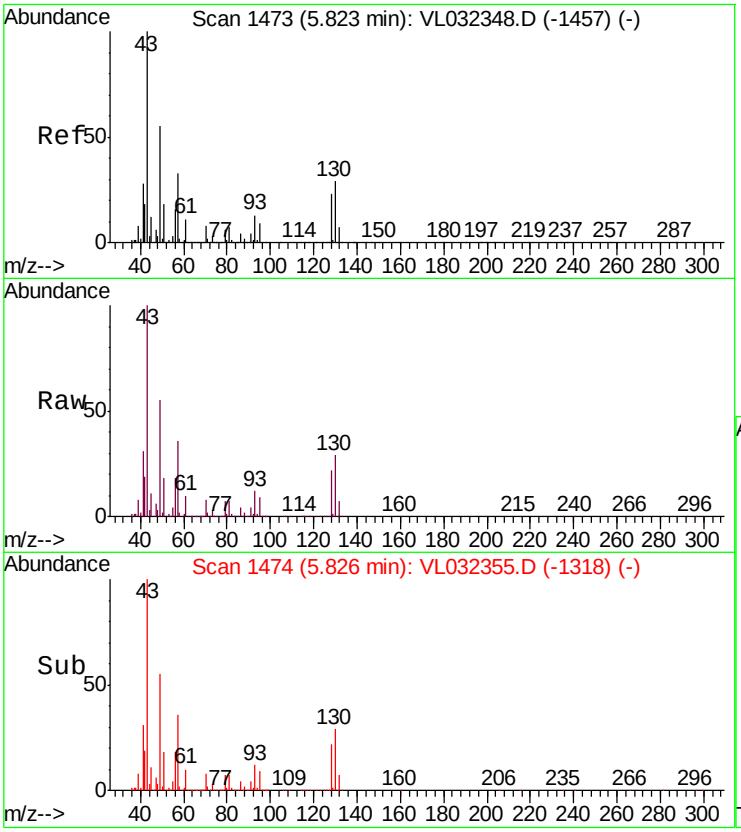


#24
1,1-Dichloroethane
Concen: 9.256 ppbv
RT: 5.14 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 63 Resp: 2420879

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.3
100	2.4	1.2	3.6



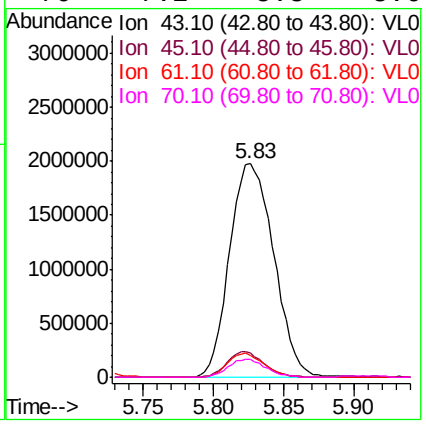


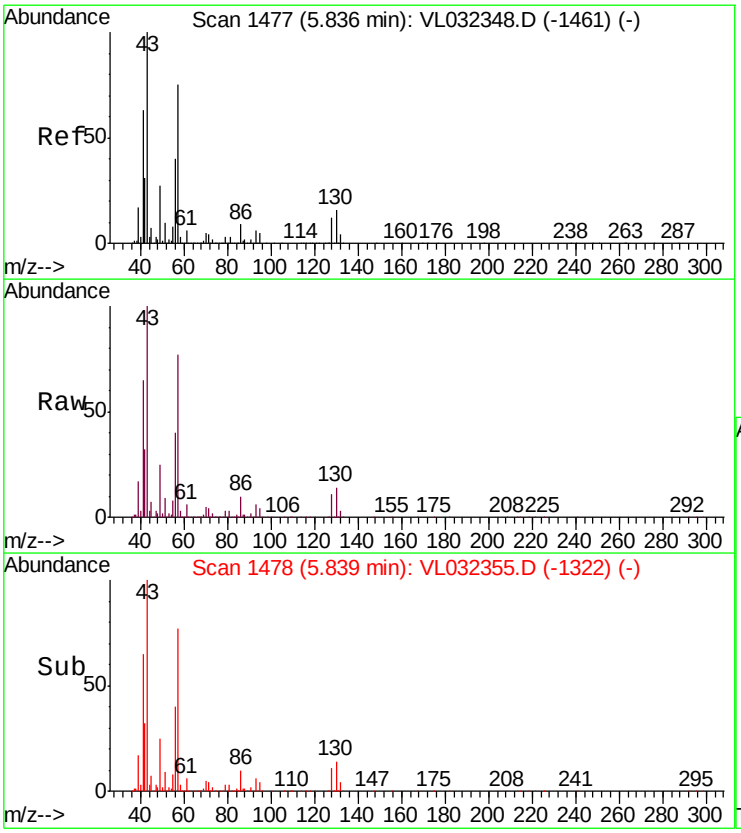
#25
Ethyl Acetate
Concen: 9.633 ppbv
RT: 5.83 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 43 Resp: 4330365

Ion	Ratio	Lower	Upper
43	100		
45	10.3	7.9	11.9
61	9.4	7.4	11.2
70	7.2	5.8	8.6

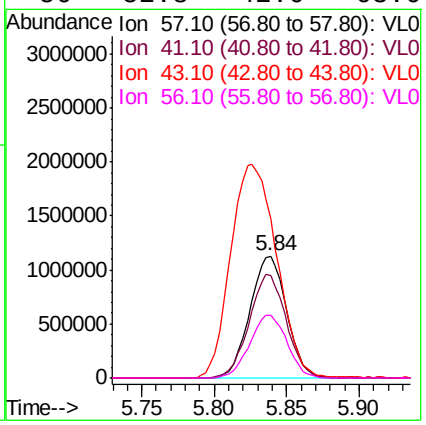


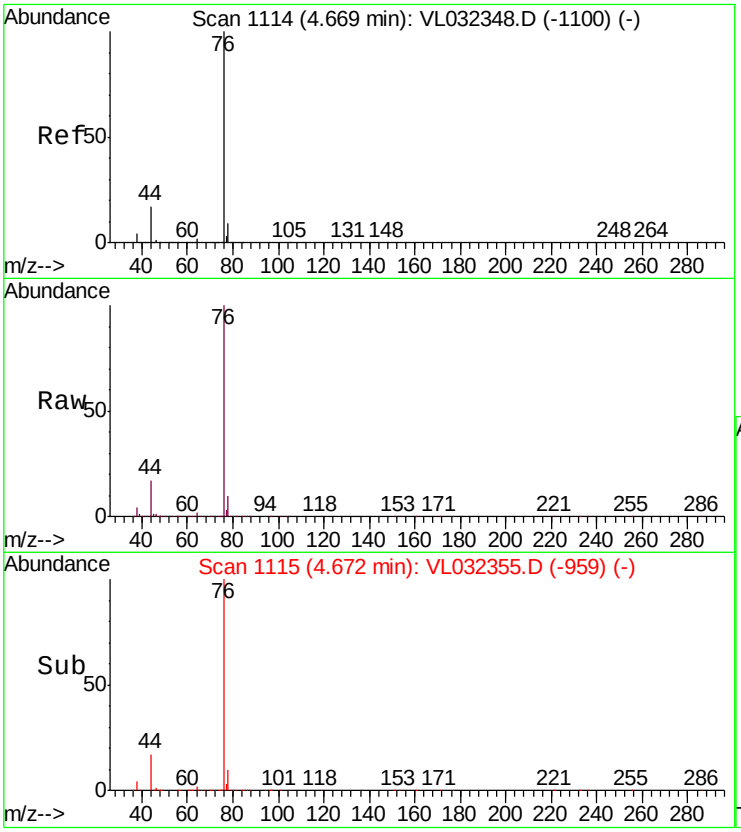


#26
Hexane
Concen: 9.915 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 57 Resp: 1987143

Ion	Ratio	Lower	Upper
57	100		
41	85.9	68.0	102.0
43	219.3	175.3	262.9
56	52.8	42.0	63.0



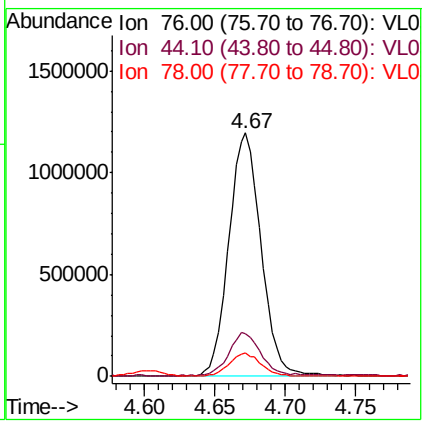


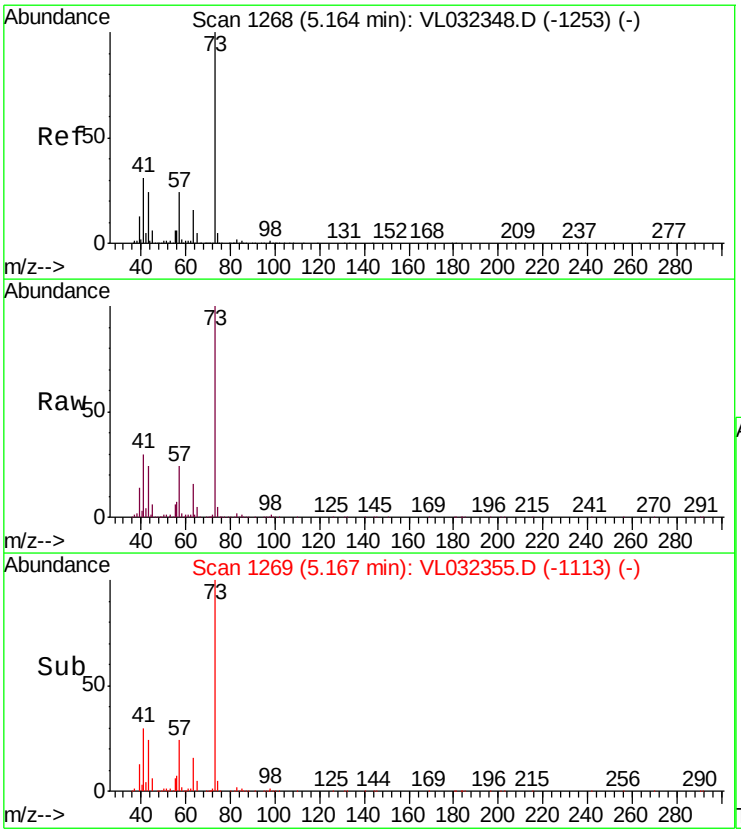
#27
Carbon Disulfide
Concen: 10.229 ppbv
RT: 4.67 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 76 Resp: 1913363

Ion	Ratio	Lower	Upper
76	100		
44	17.4	14.4	21.6
78	9.2	7.4	11.0

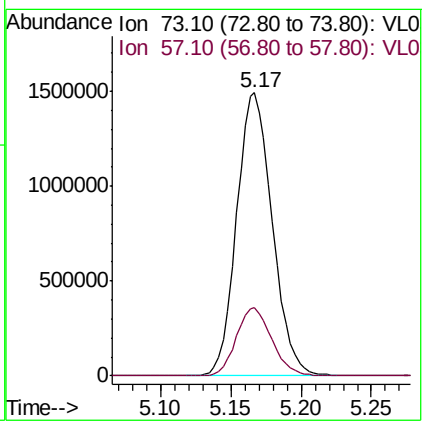


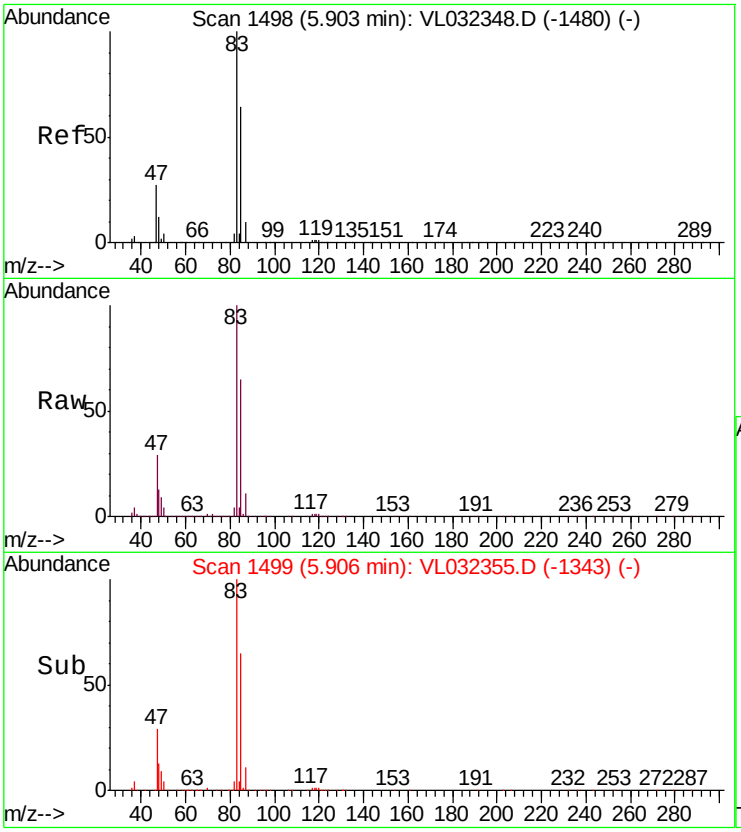


#28
Methyl tert-Butyl Ether
Concen: 9.931 ppbv
RT: 5.17 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 73 Resp: 2641209

Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9



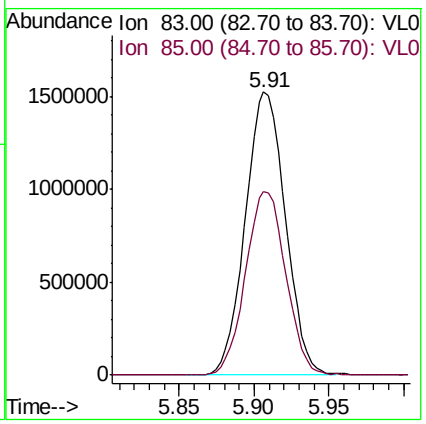


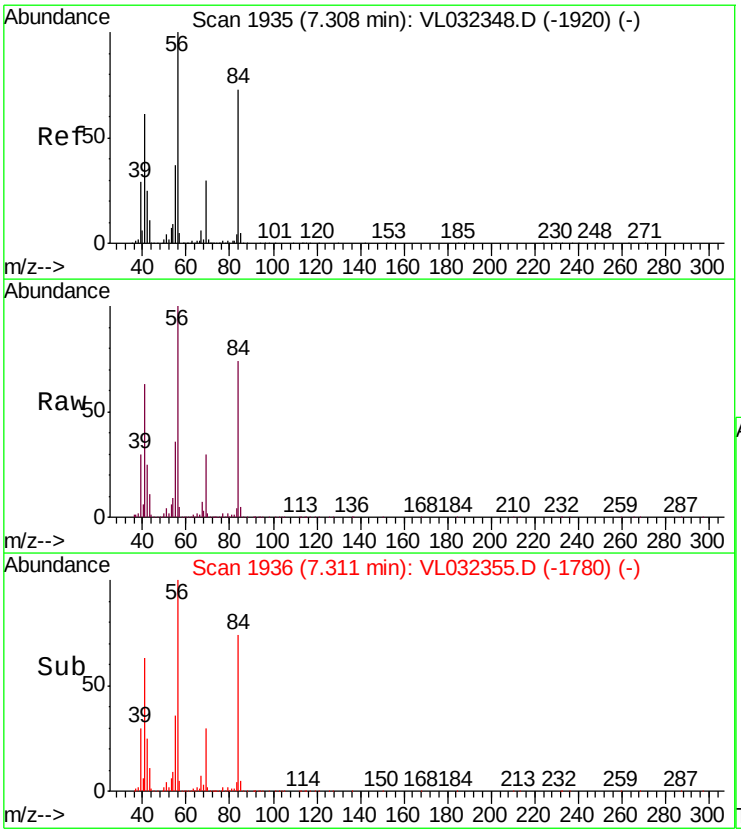
#29
Chloroform
Concen: 9.677 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 83 Resp: 2842296

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4

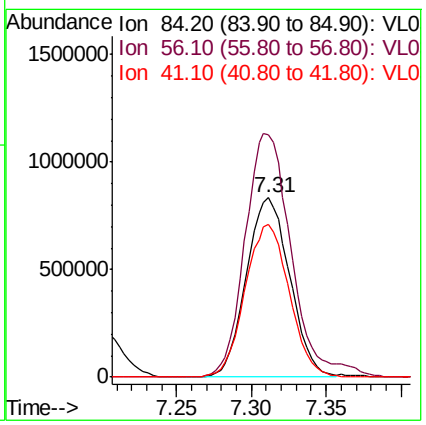


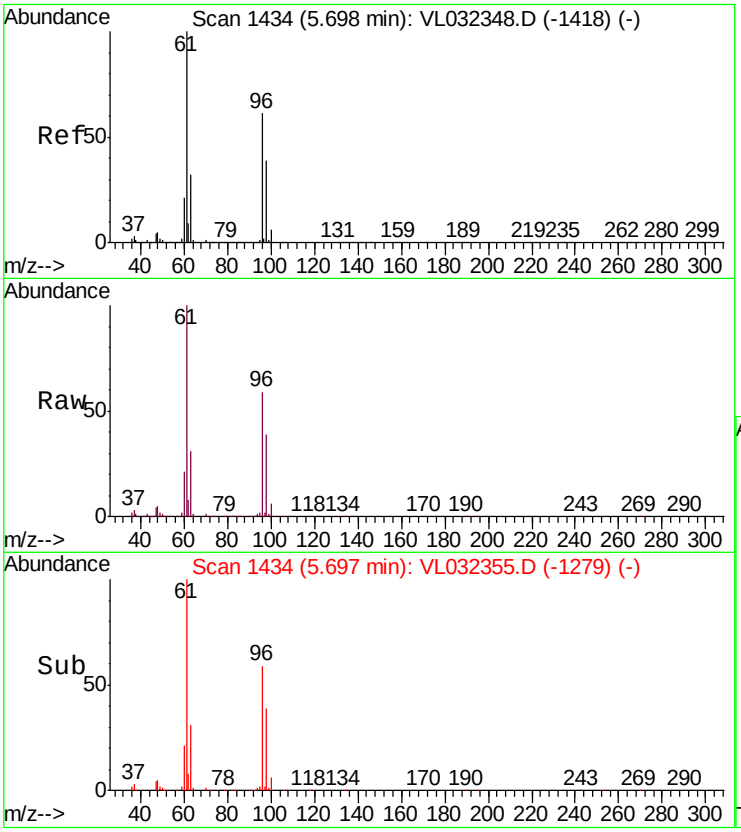


#30
Cyclohexane
Concen: 11.049 ppbv
RT: 7.31 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 84 Resp: 1686668

Ion	Ratio	Lower	Upper
84	100		
56	145.1	115.7	173.5
41	86.3	67.9	101.9



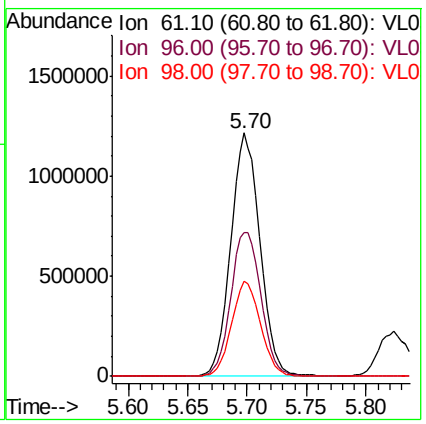


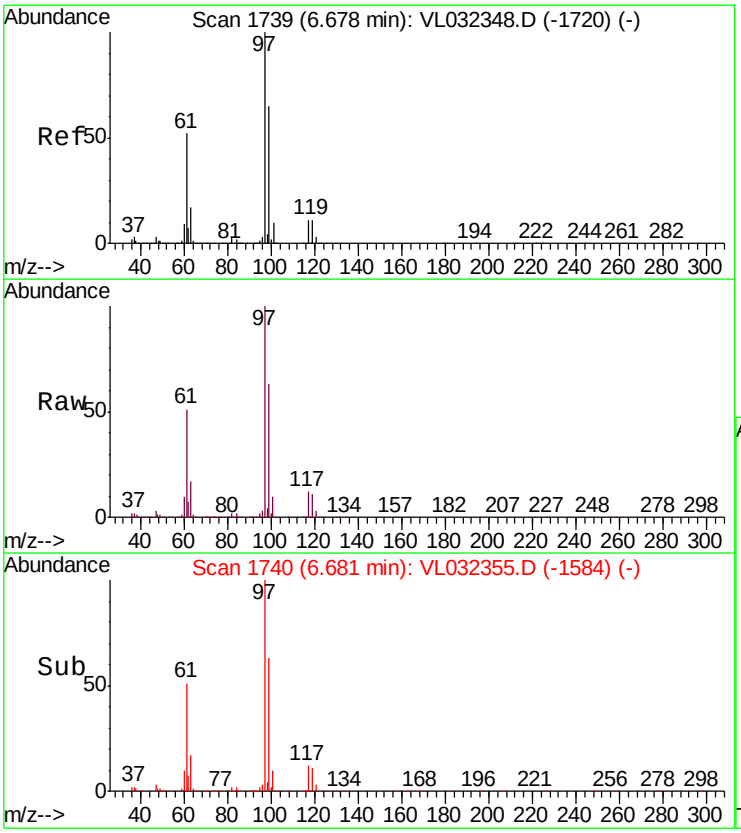
#31
cis-1,2-Dichloroethene
Concen: 10.537 ppbv
RT: 5.70 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 61 Resp: 2065932

Ion	Ratio	Lower	Upper
61	100		
96	59.0	48.5	72.7
98	39.0	31.0	46.4

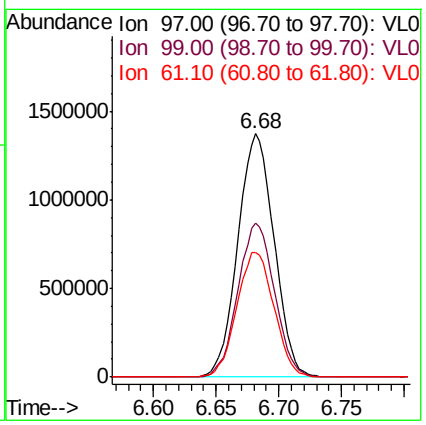


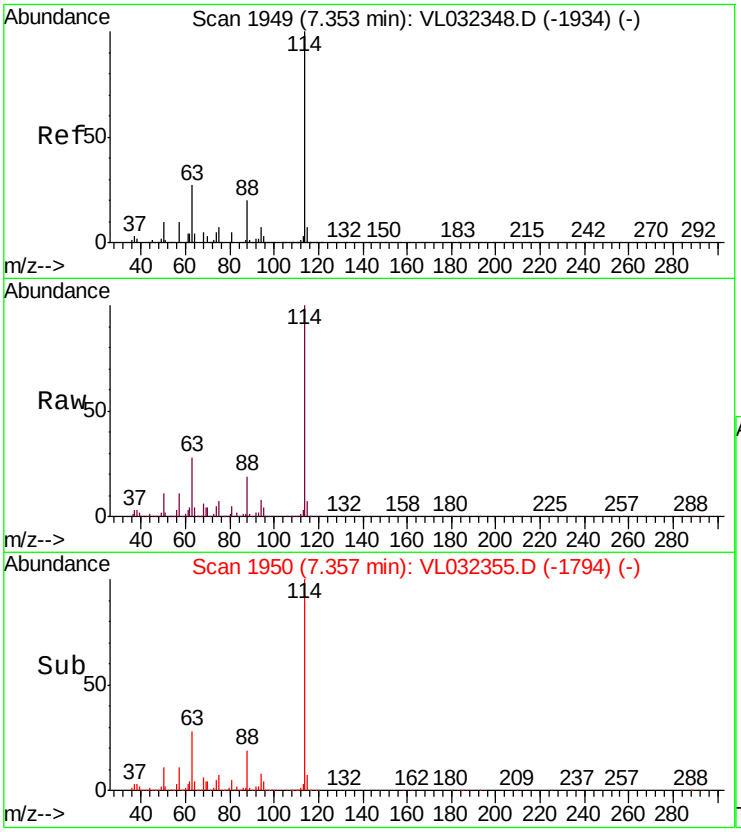


#32
1,1,1-Trichloroethane
Concen: 9.673 ppbv
RT: 6.68 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 97 Resp: 2764637

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.1	76.7
61	52.7	41.1	61.7



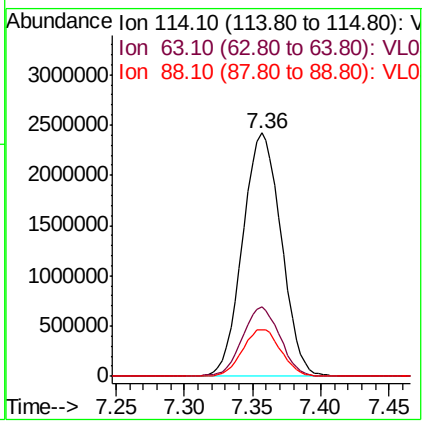


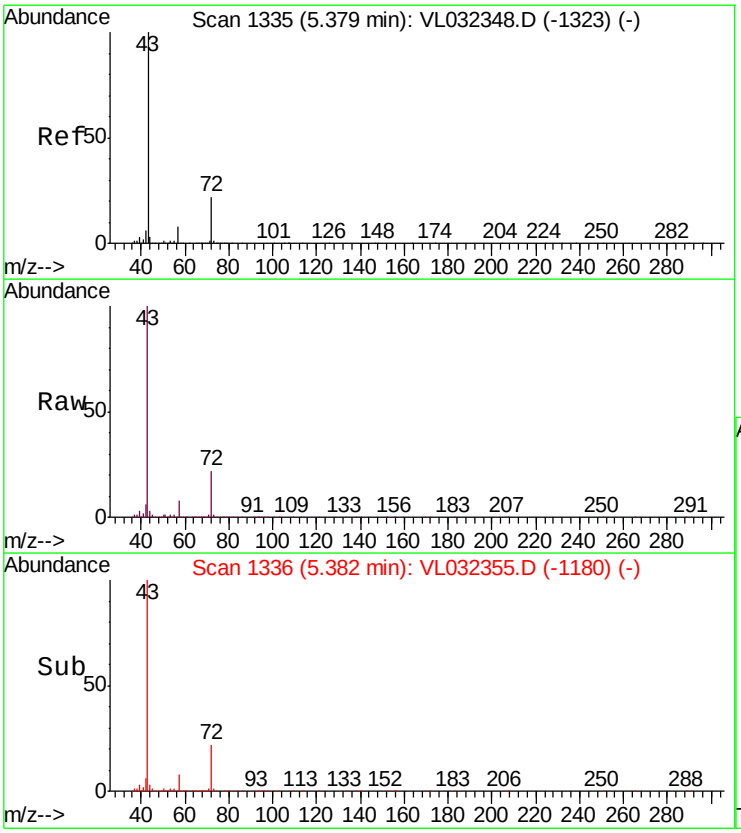
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.36 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:114 Resp: 4751499

Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.0	33.0
88	19.2	15.3	22.9

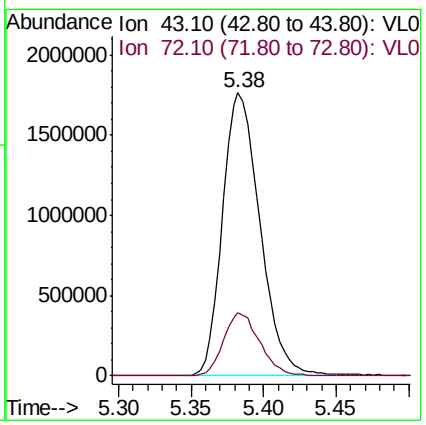


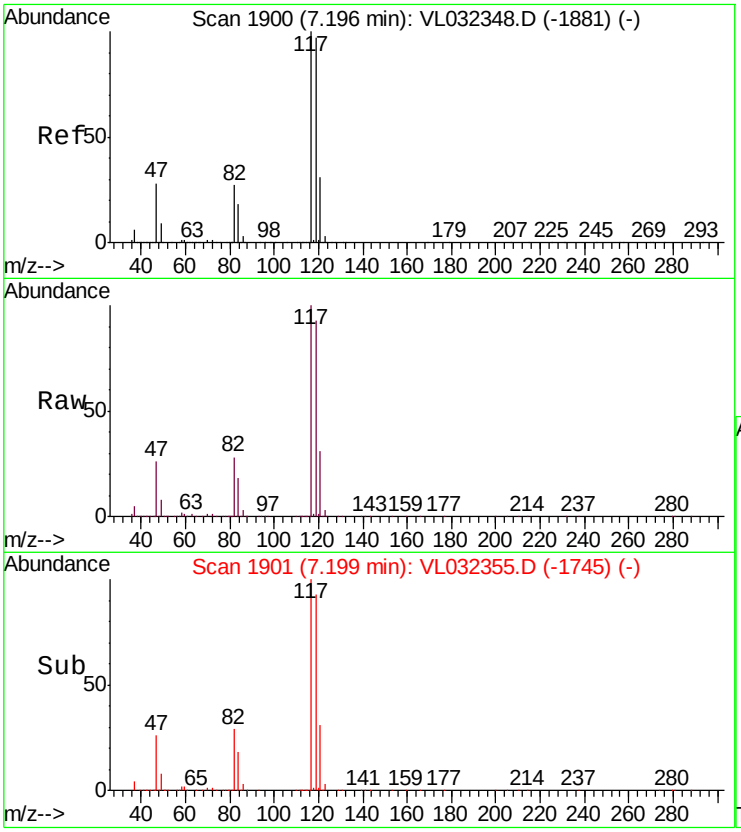


#34
2-Butanone
Concen: 9.723 ppbv
RT: 5.38 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 43 Resp: 3144237

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.9	26.9



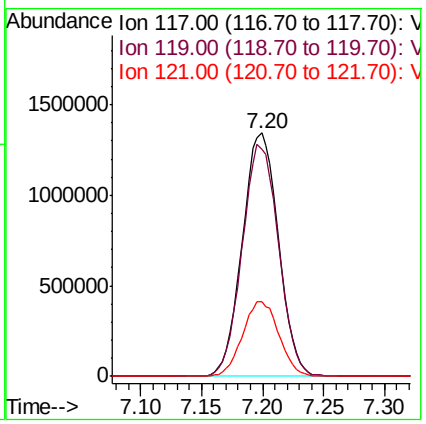


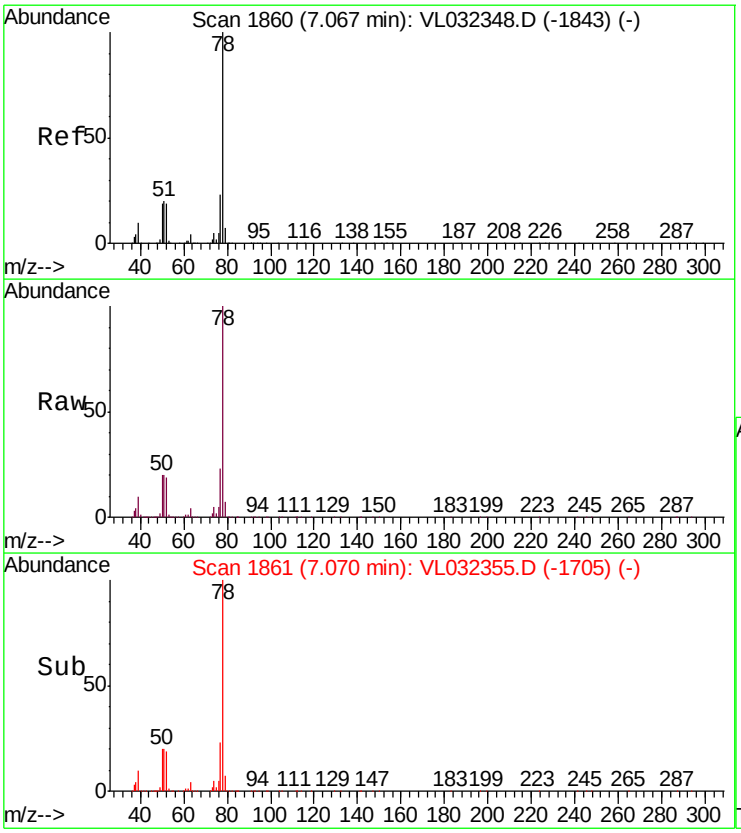
#35
Carbon Tetrachloride
Concen: 9.776 ppbv
RT: 7.20 min Scan# 1901
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion:117 Resp: 2738895

Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.2	115.8
121	30.8	25.1	37.7

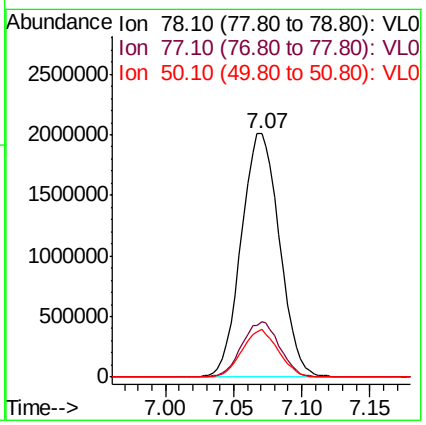


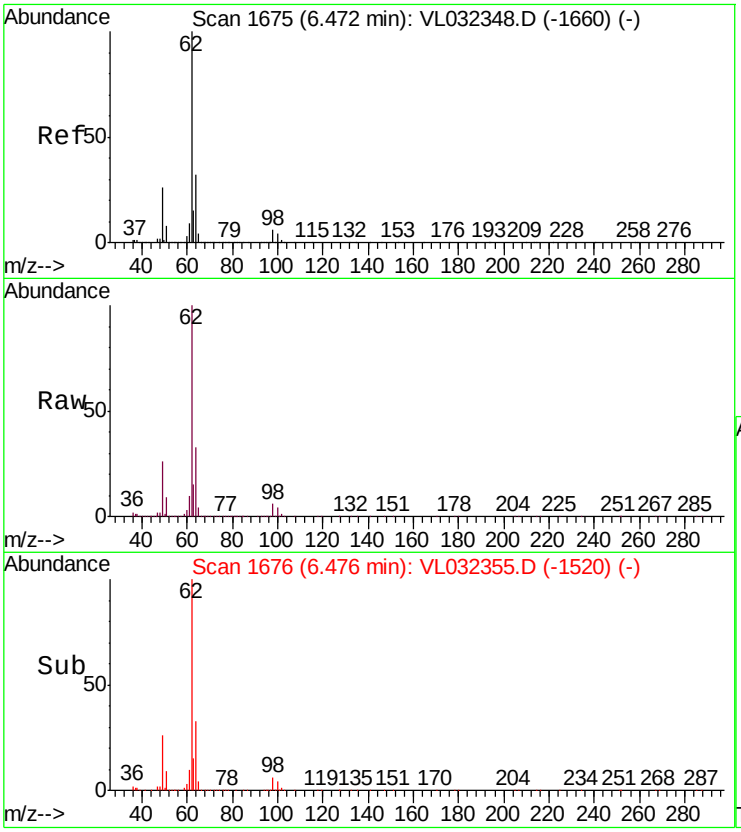


#36
Benzene
Concen: 9.700 ppbv
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 78 Resp: 3907351

Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.0	27.0
50	19.8	15.1	22.7



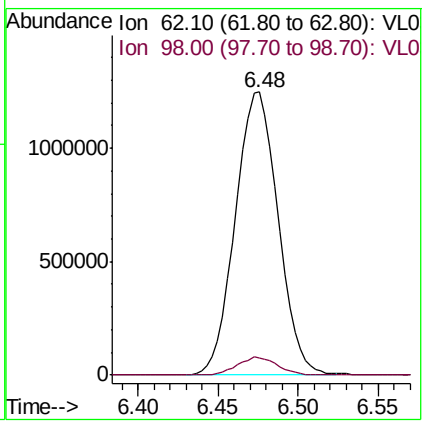


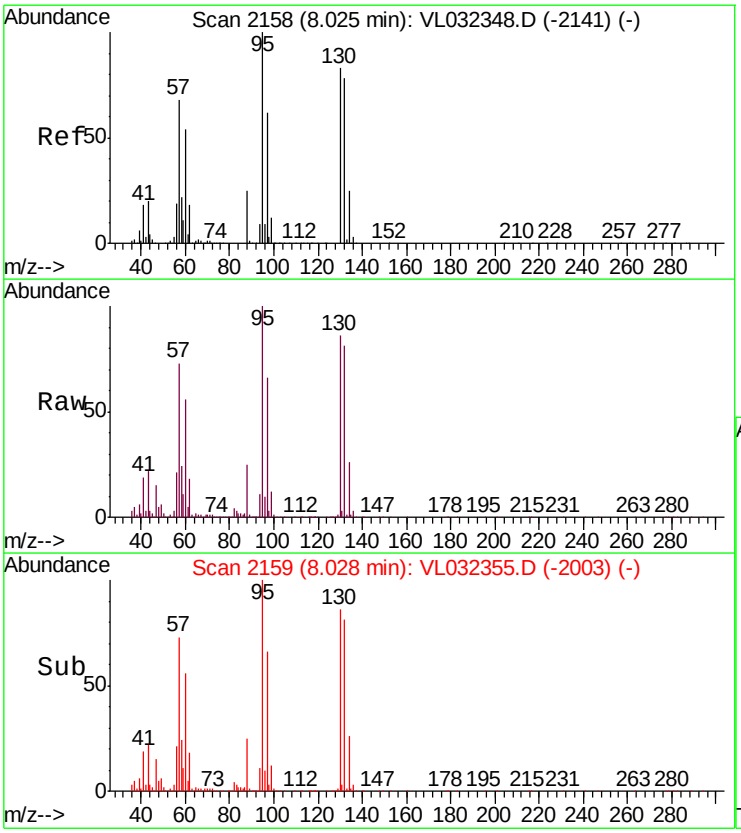
#37
1,2-Dichloroethane
Concen: 9.310 ppbv
RT: 6.48 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 62 Resp: 2275375

Ion	Ratio	Lower	Upper
62	100		
98	6.1	5.0	7.6

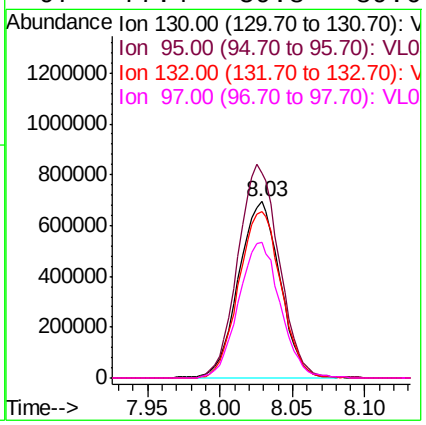


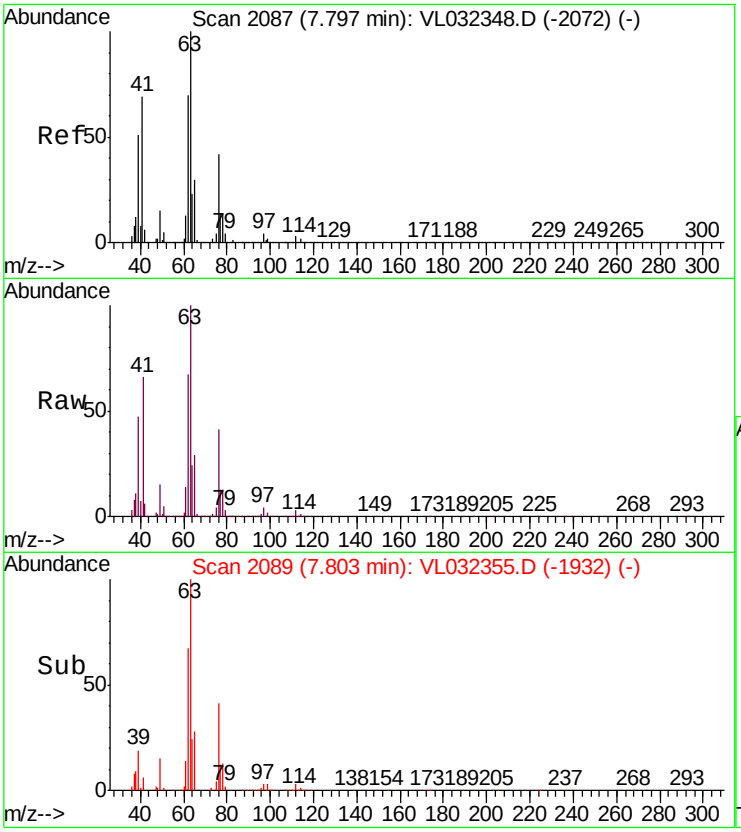


#38
Trichloroethene
Concen: 9.676 ppbv
RT: 8.03 min Scan# 2159
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:130 Resp: 1367108

Ion	Ratio	Lower	Upper
130	100		
95	116.6	96.6	144.8
132	94.8	75.5	113.3
97	77.4	59.8	89.6



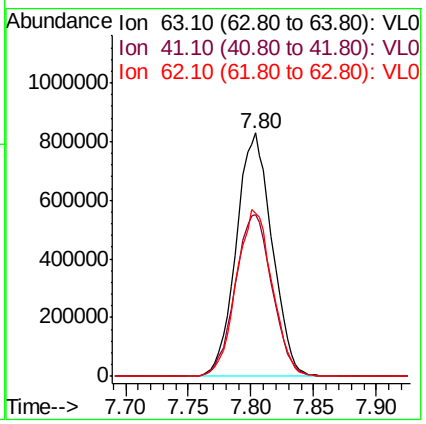


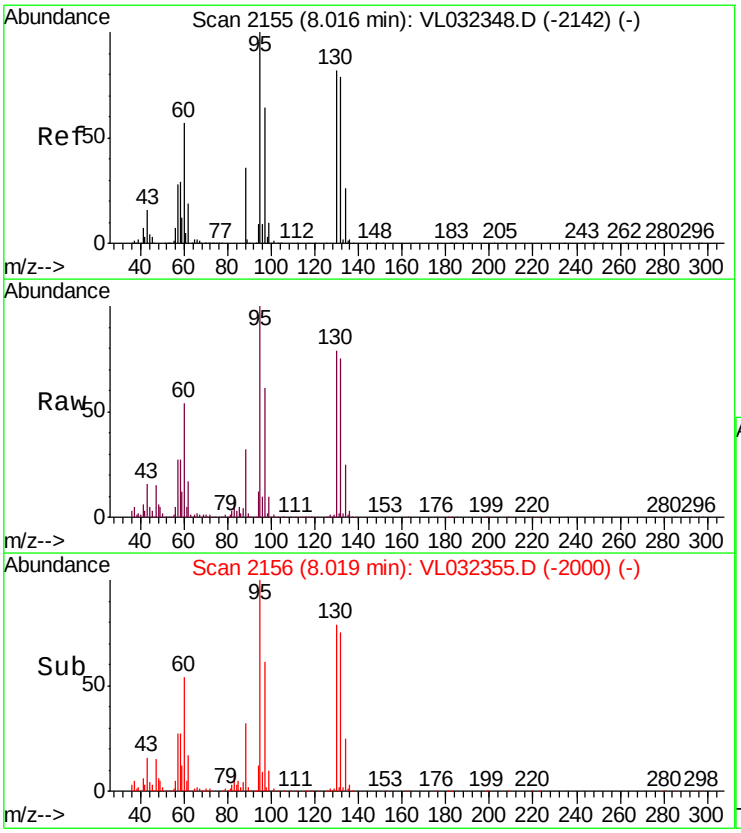
#39
1,2-Dichloropropane
Concen: 9.776 ppbv
RT: 7.80 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 63 Resp: 1645091

Ion	Ratio	Lower	Upper
63	100		
41	66.2	55.5	83.3
62	67.0	56.3	84.5

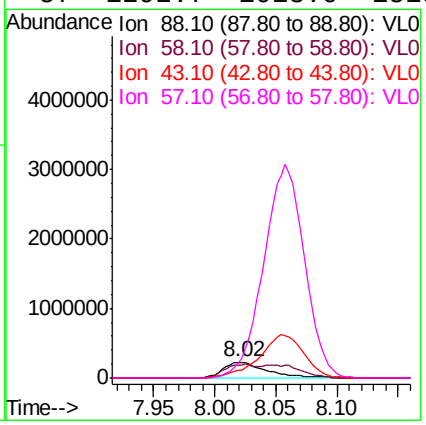


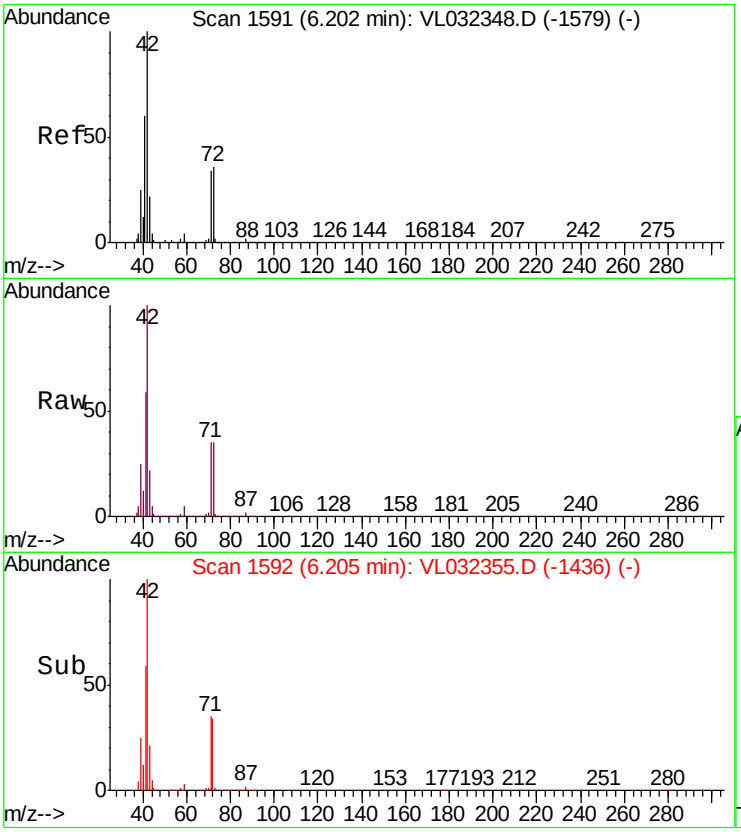


#40
1,4-Dioxane
Concen: 10.884 ppbv
RT: 8.02 min Scan# 2156
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 88 Resp: 556327

Ion	Ratio	Lower	Upper
88	100		
58	142.7	113.7	170.5
43	286.4	224.0	336.0
57	1292.7	1013.0	1519.6



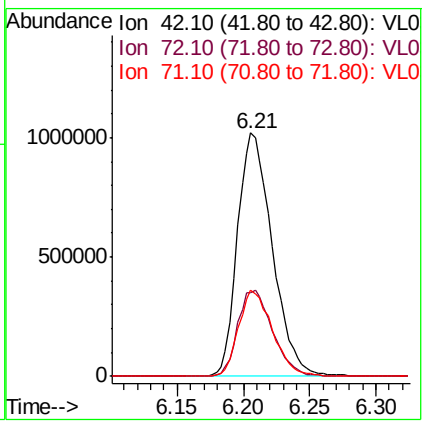


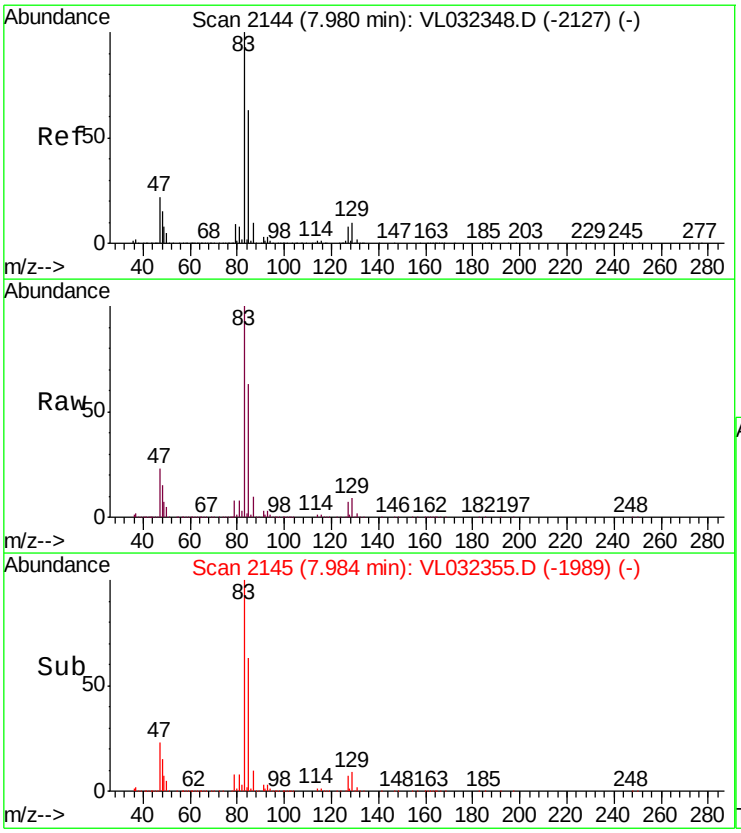
#41
Tetrahydrofuran
Concen: 10.693 ppbv
RT: 6.21 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 42 Resp: 1856308

Ion	Ratio	Lower	Upper
42	100		
72	35.8	29.8	44.6
71	34.8	28.2	42.2

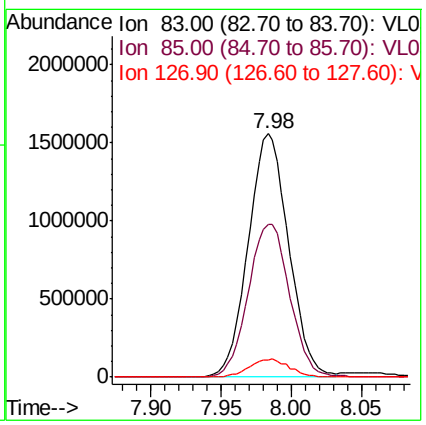


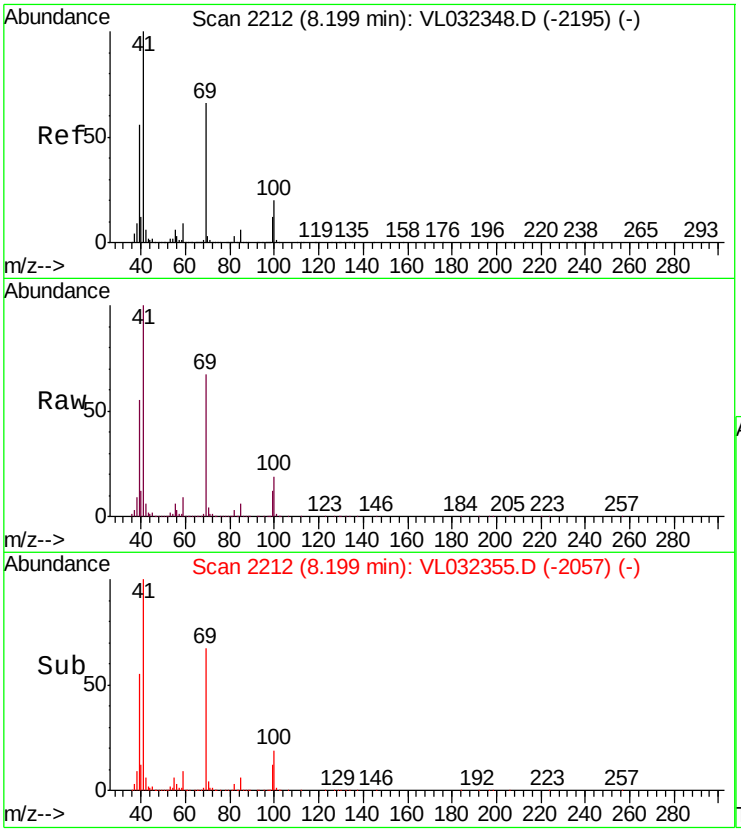


#42
Bromodichloromethane
Concen: 9.753 ppbv
RT: 7.98 min Scan# 2145
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 83 Resp: 3121100

Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.4	75.6
127	7.0	6.1	9.1



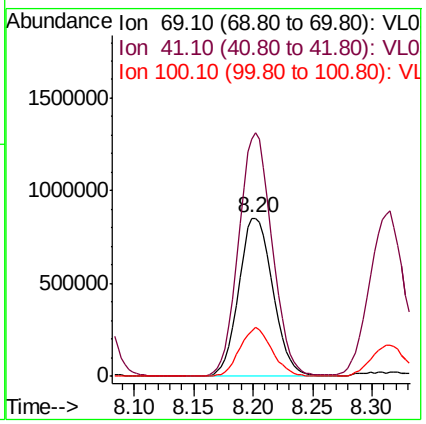


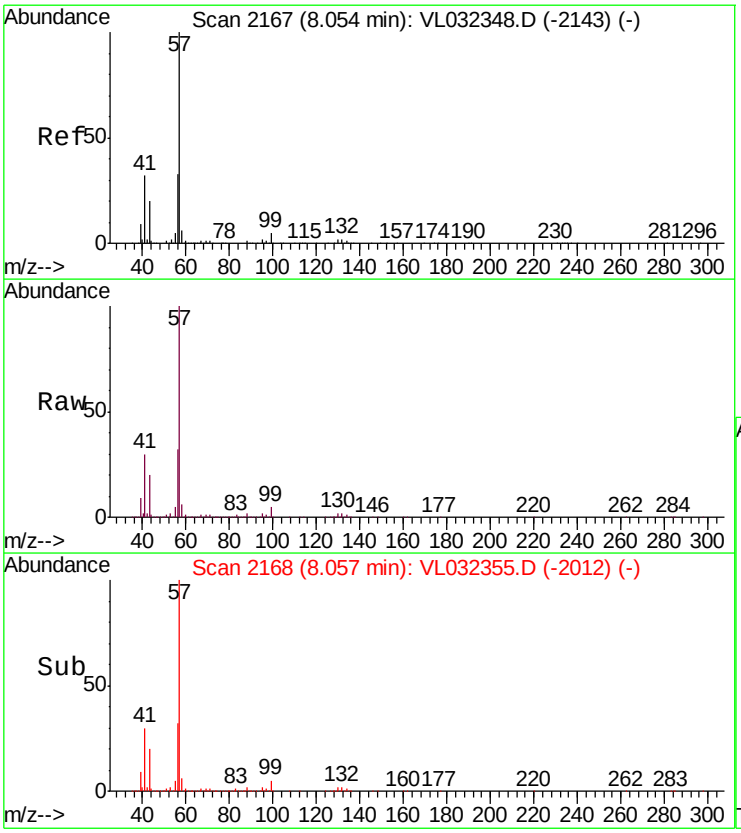
#43
Methyl Methacrylate
Concen: 10.554 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 69 Resp: 1694001

Ion	Ratio	Lower	Upper
69	100		
41	150.9	118.6	177.8
100	29.0	23.4	35.2

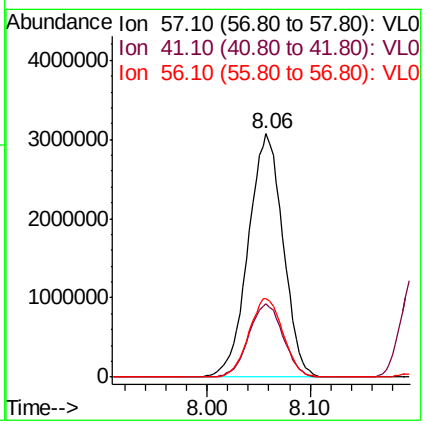


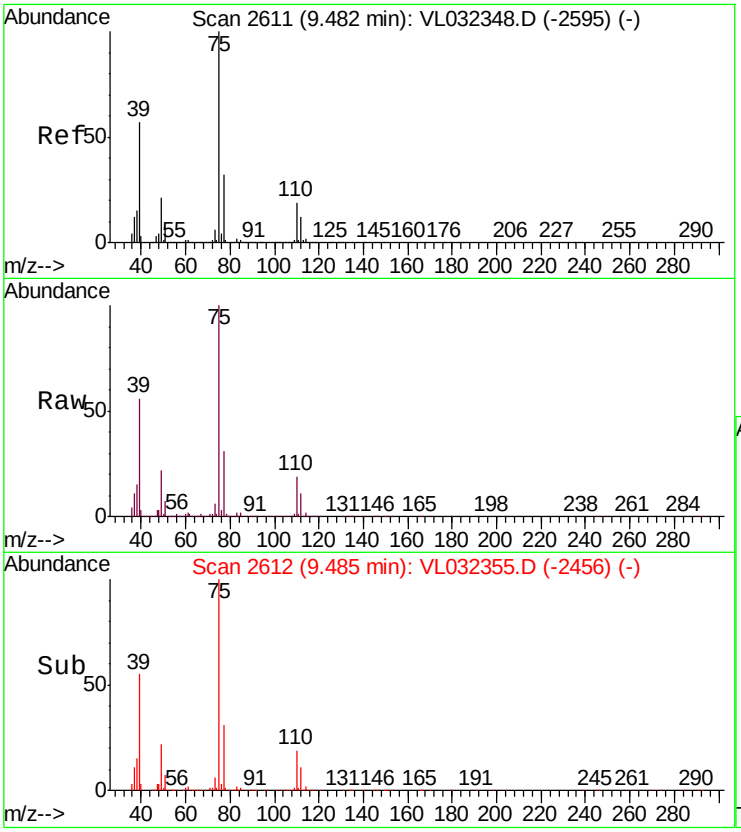


#44
2,2,4-Trimethylpentane
Concen: 9.888 ppbv
RT: 8.06 min Scan# 2168
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 57 Resp: 7182539

Ion	Ratio	Lower	Upper
57	100		
41	29.8	24.3	36.5
56	31.8	25.7	38.5



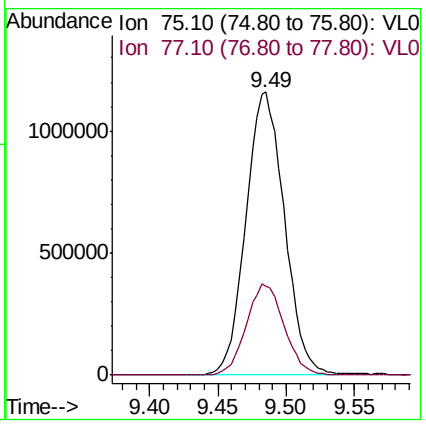


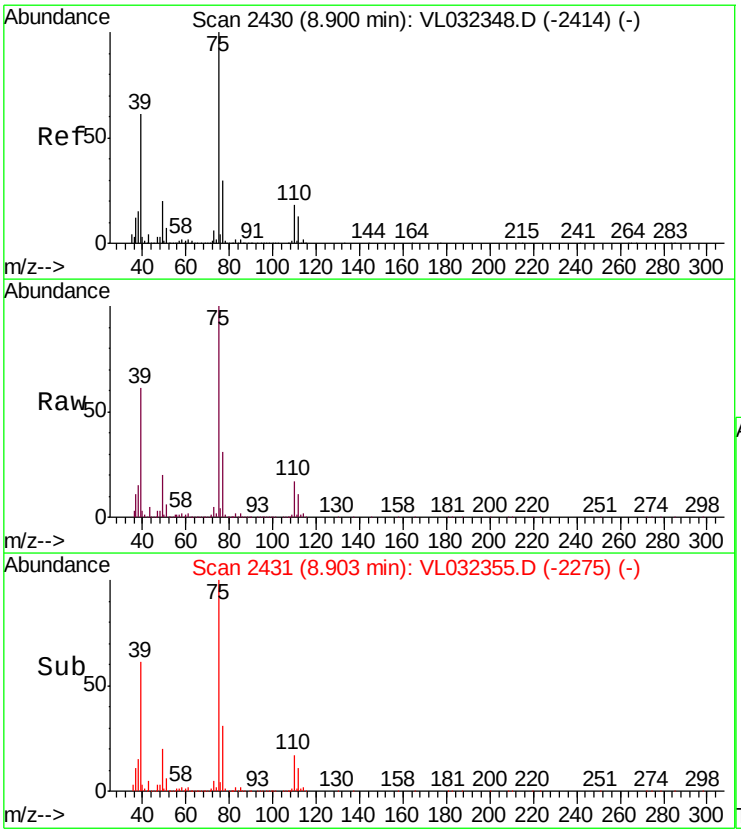
#45
t-1,3-Dichloropropene
Concen: 11.182 ppbv
RT: 9.49 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 75 Resp: 2269991

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2

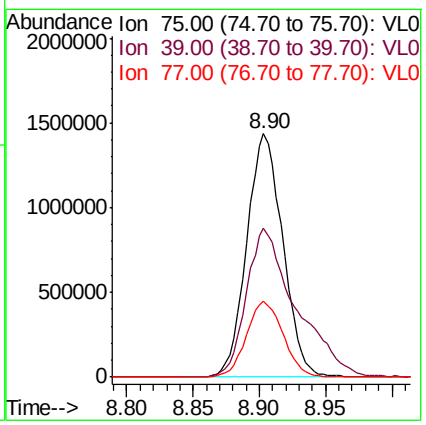


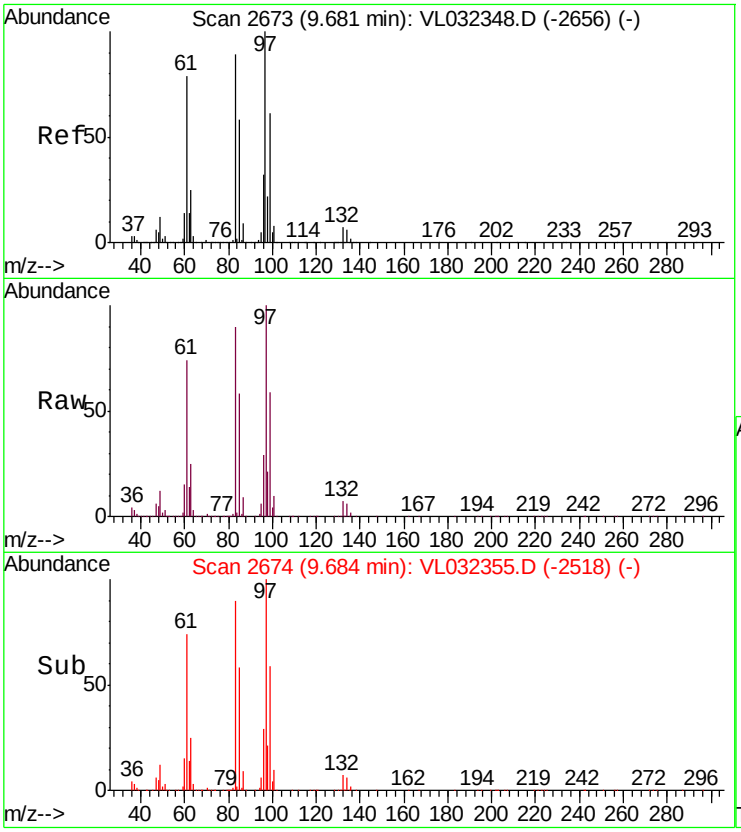


#46
cis-1,3-Dichloropropene
Concen: 11.149 ppbv
RT: 8.90 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 75 Resp: 2714486

Ion	Ratio	Lower	Upper
75	100		
39	61.2	48.5	72.7
77	31.3	24.3	36.5



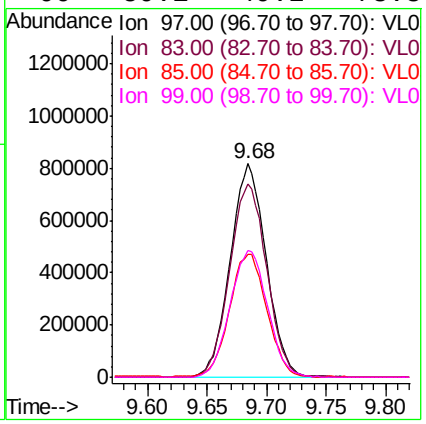


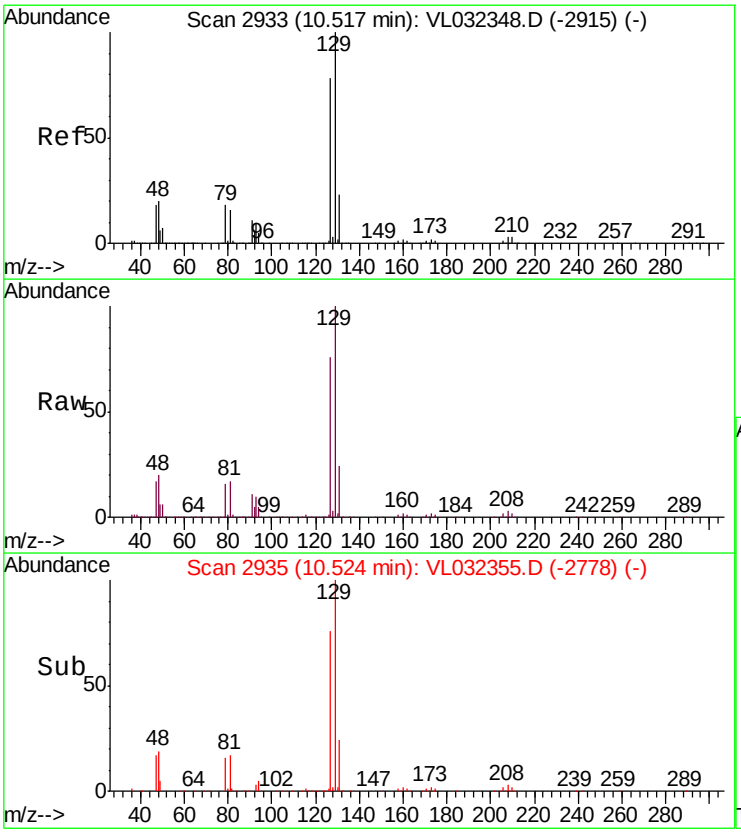
#47
1,1,2-Trichloroethane
Concen: 9.232 ppbv
RT: 9.68 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 97 Resp: 1709852

Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.2	106.8
85	57.6	46.6	69.8
99	59.1	49.2	73.8

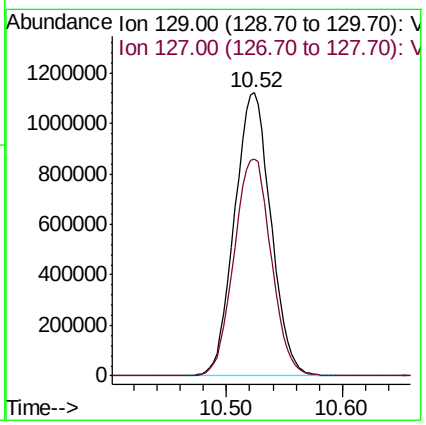


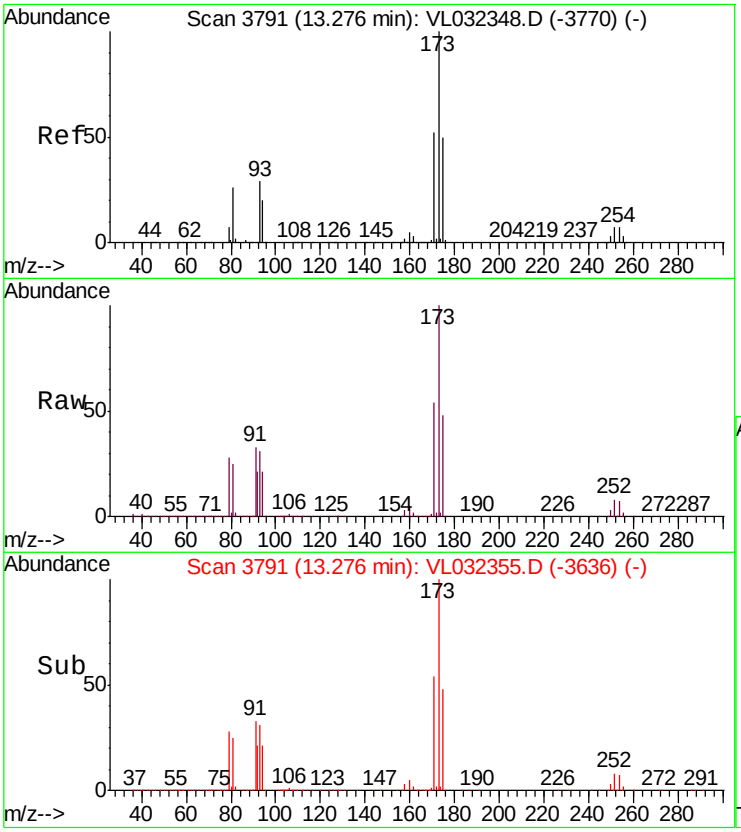


#48
Dibromochloromethane
Concen: 9.864 ppbv
RT: 10.52 min Scan# 2935
Delta R.T. 0.01 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:129 Resp: 2442247

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.9



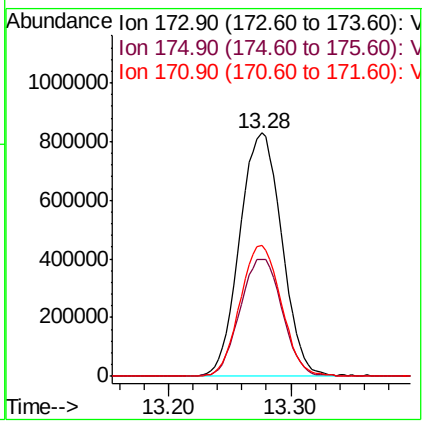


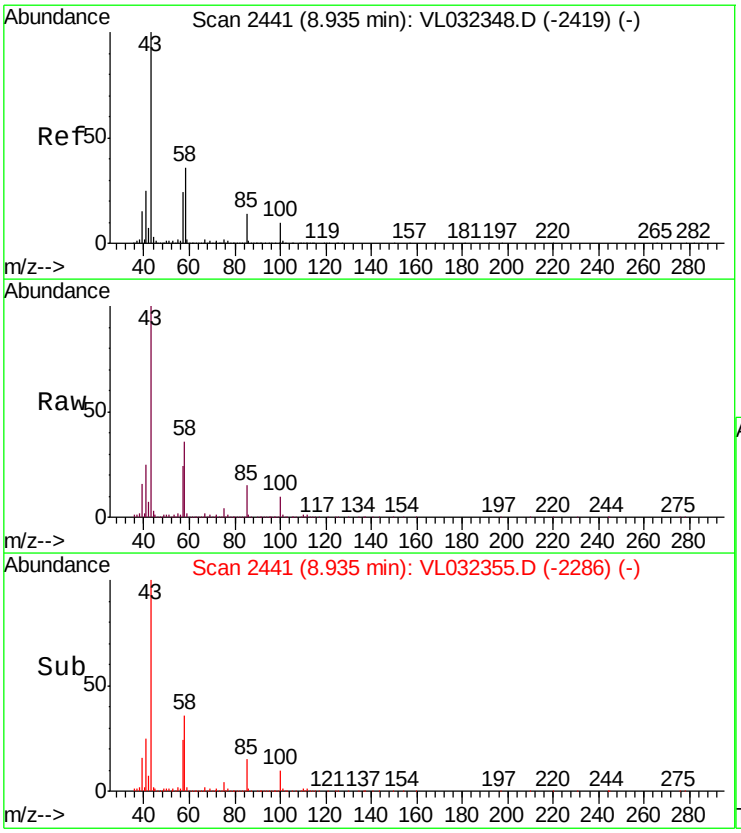
#49
Bromoform
Concen: 9.636 ppbv
RT: 13.28 min Scan# 3791
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion:173 Resp: 1981725

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.3	58.9
171	52.7	41.9	62.9

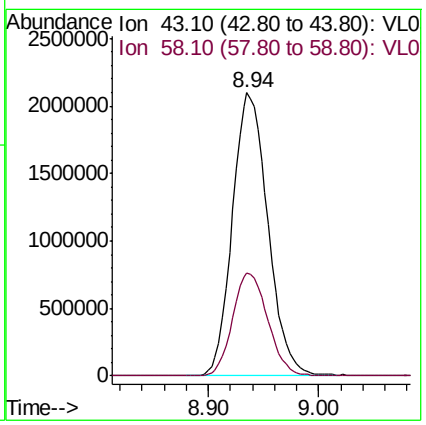


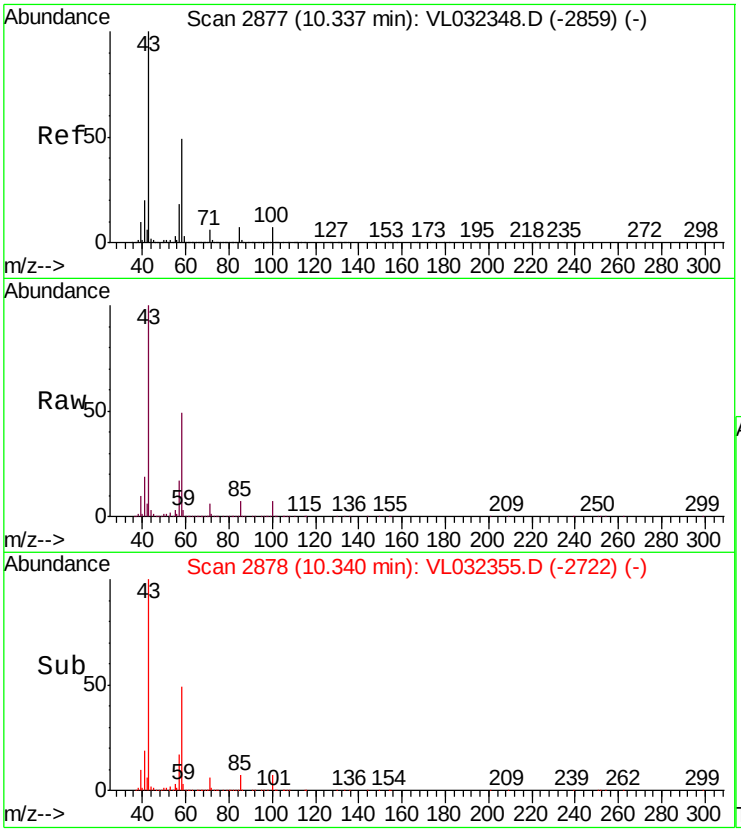


#50
4-Methyl-2-Pentanone
Concen: 10.000 ppbv
RT: 8.94 min Scan# 2441
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 43 Resp: 4670342

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3



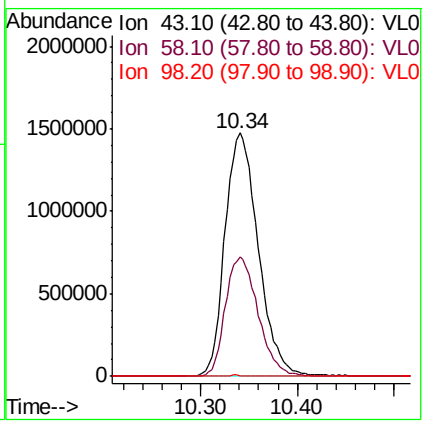


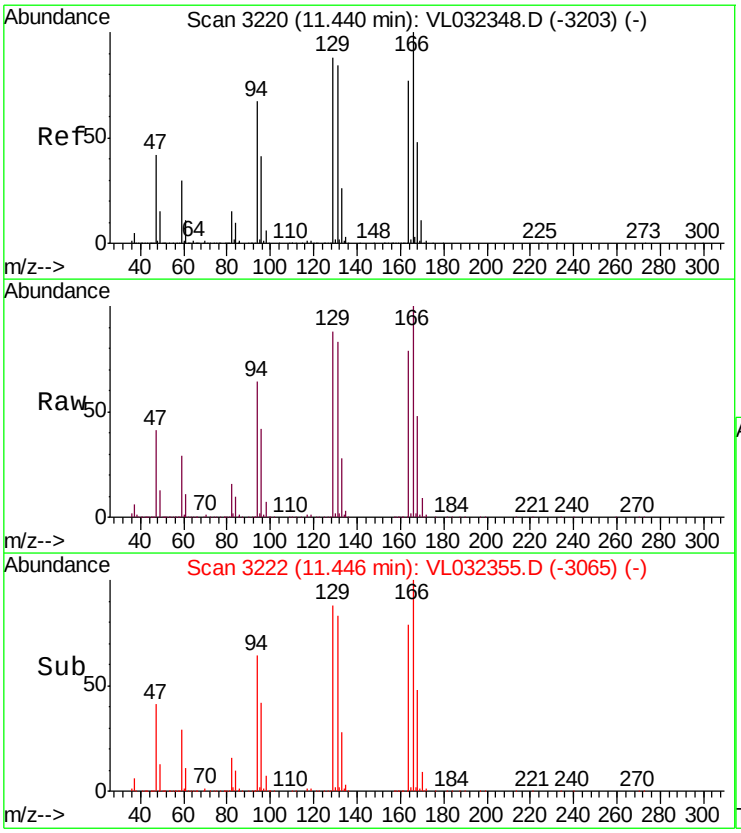
#51
2-Hexanone
Concen: 10.742 ppbv
RT: 10.34 min Scan# 2878
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 43 Resp: 3523176

Ion	Ratio	Lower	Upper
43	100		
58	48.4	39.5	59.3
98	0.5	0.3	0.5#

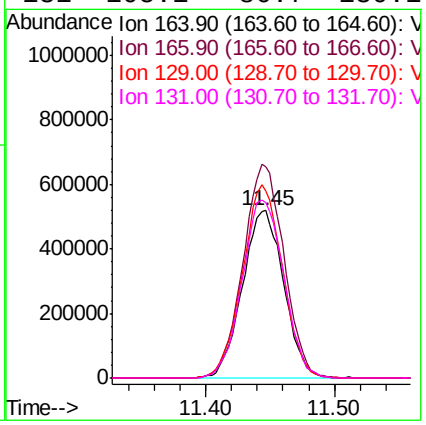


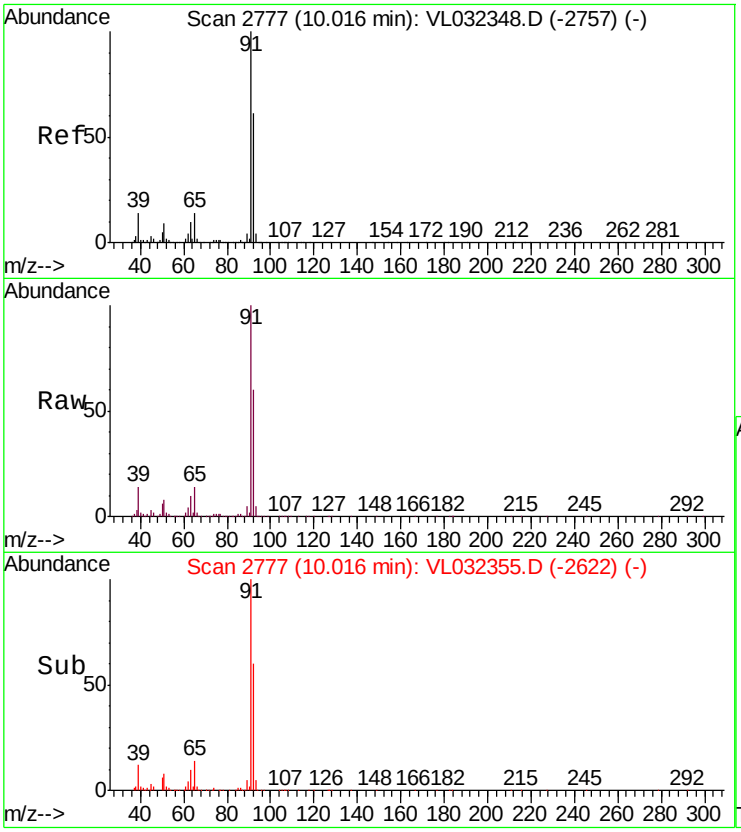


#52
Tetrachloroethene
Concen: 9.718 ppbv
RT: 11.45 min Scan# 3222
Delta R.T. 0.01 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:164 Resp: 1154497

Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.5	155.3
129	111.2	90.9	136.3
131	105.1	86.7	130.1



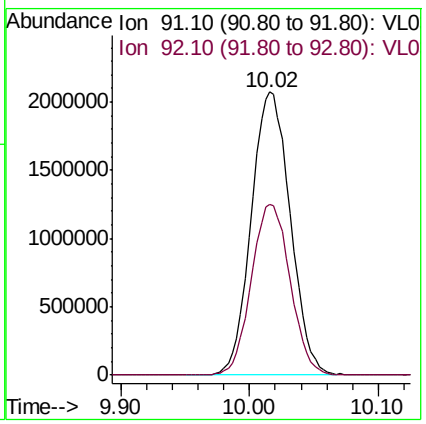


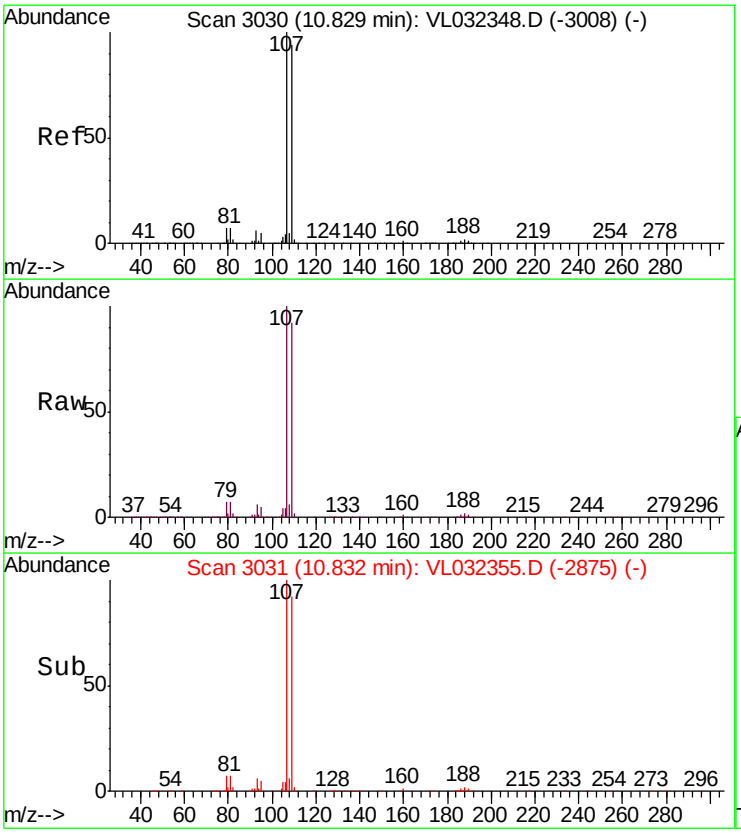
#53
Toluene
Concen: 9.896 ppbv
RT: 10.02 min Scan# 2777
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion: 91 Resp: 4369770

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.7	73.1

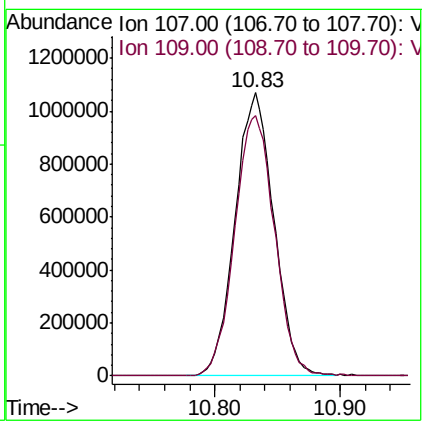


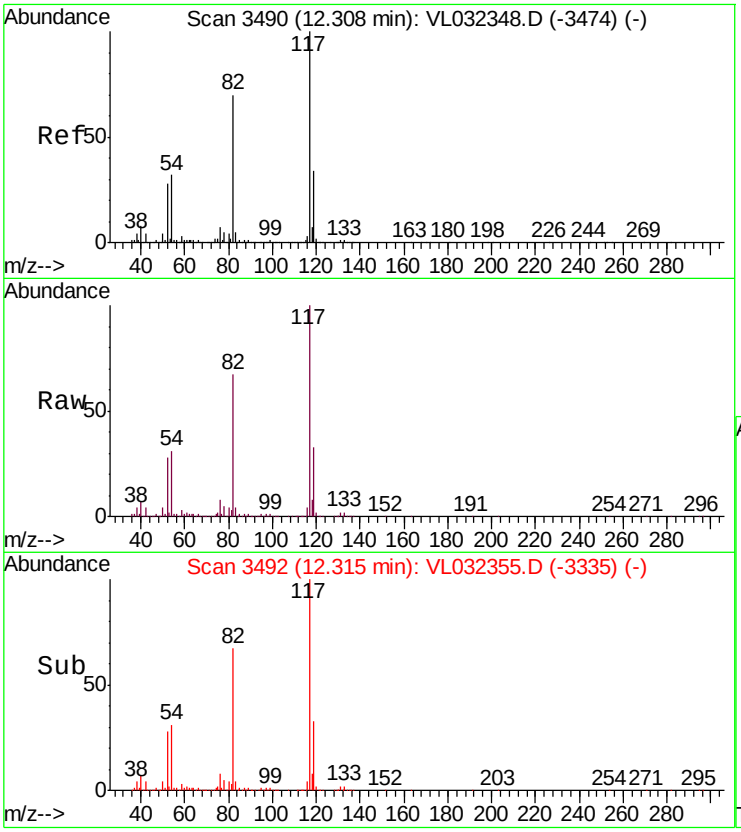


#54
1,2-Dibromoethane
Concen: 9.609 ppbv
RT: 10.83 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:107 Resp: 2285731

Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.9	112.3



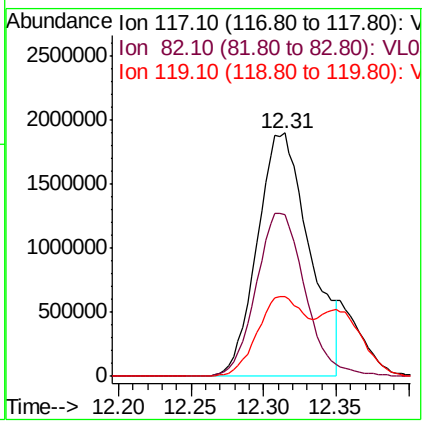


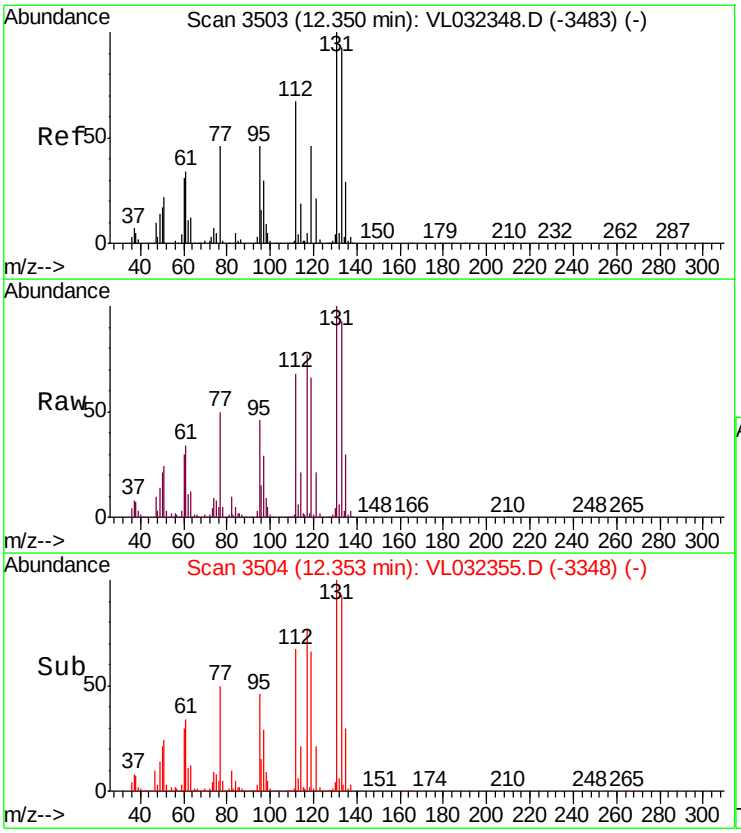
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3492
Delta R.T. 0.01 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:117 Resp: 4765696

Ion	Ratio	Lower	Upper
117	100		
82	63.0	55.1	82.7
119	53.1	46.0	69.0

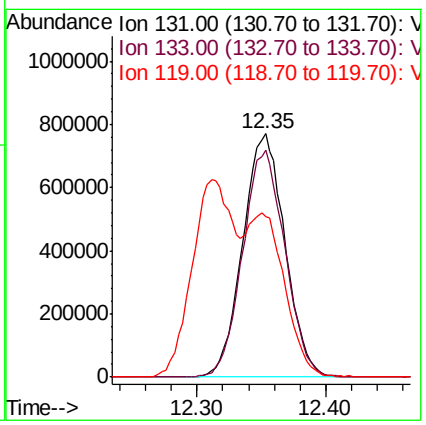


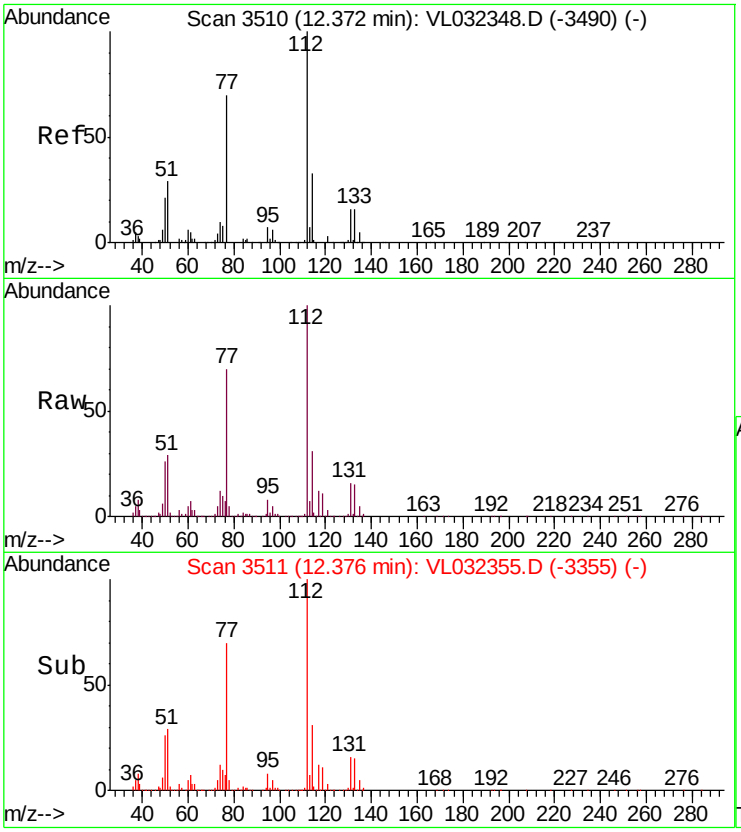


#56
1,1,1,2-Tetrachloroethane
Concen: 8.888 ppbv
RT: 12.35 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:131 Resp: 1752256

Ion	Ratio	Lower	Upper
131	100		
133	93.7	75.7	113.5
119	144.6	116.0	174.0



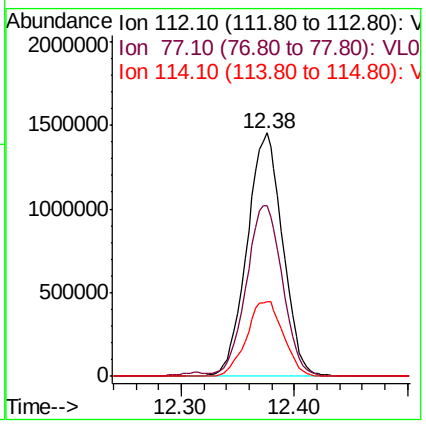


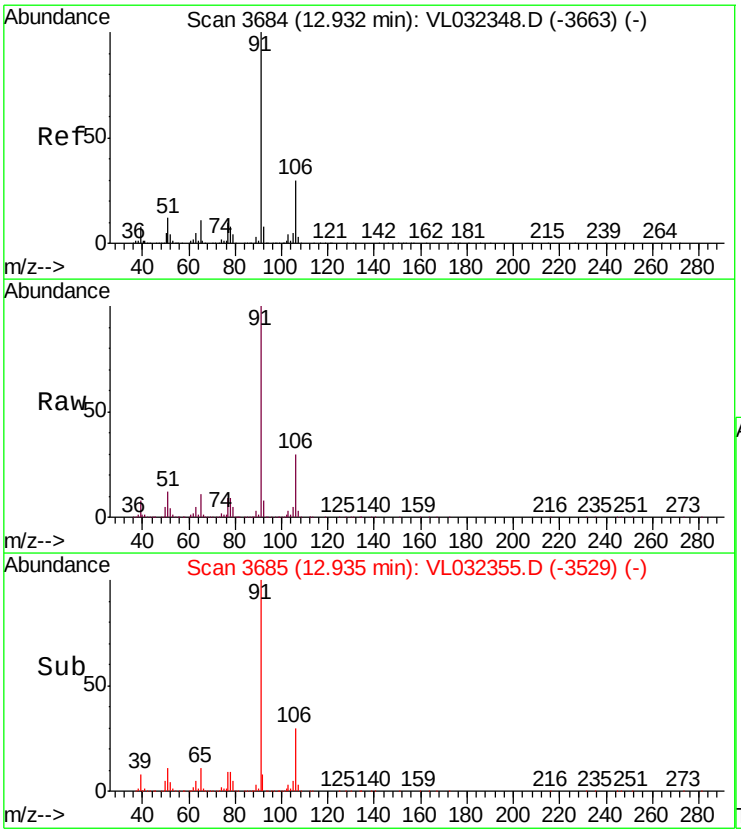
#57
Chlorobenzene
Concen: 8.850 ppbv
RT: 12.38 min Scan# 3511
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:112 Resp: 3175097

Ion	Ratio	Lower	Upper
112	100		
77	70.1	56.6	84.8
114	30.9	29.4	36.0

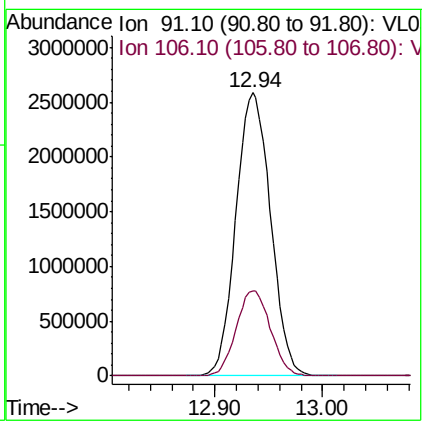


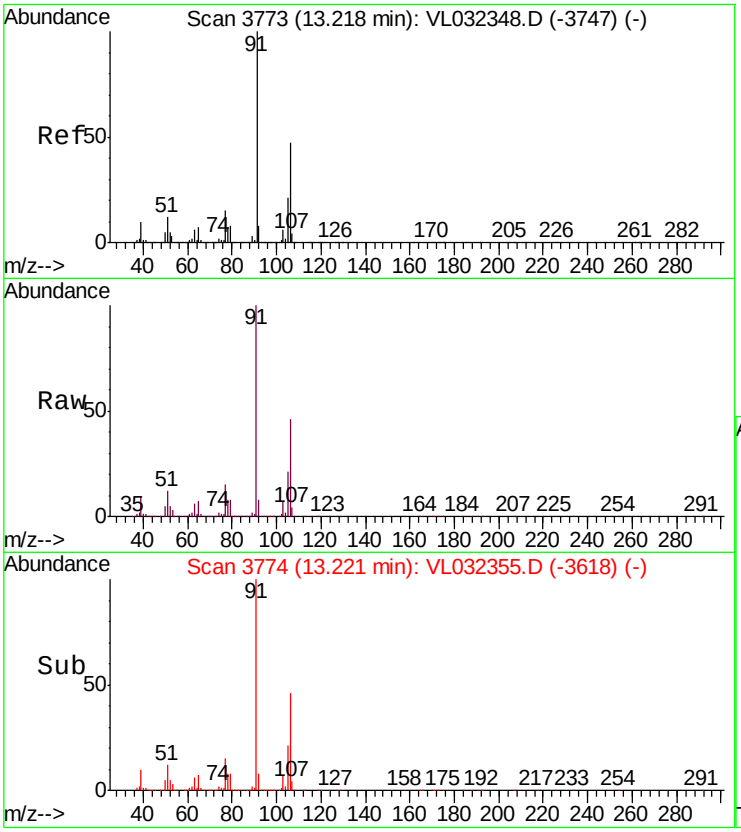


#58
Ethyl Benzene
Concen: 10.086 ppbv
RT: 12.94 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 91 Resp: 5783001

Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5



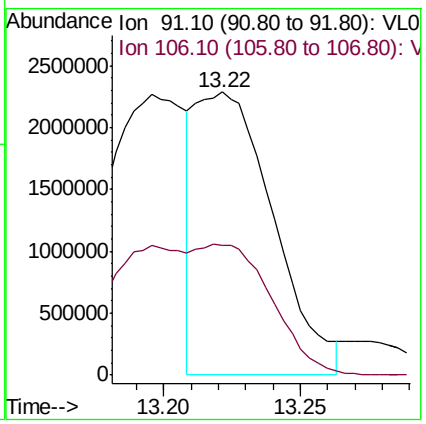


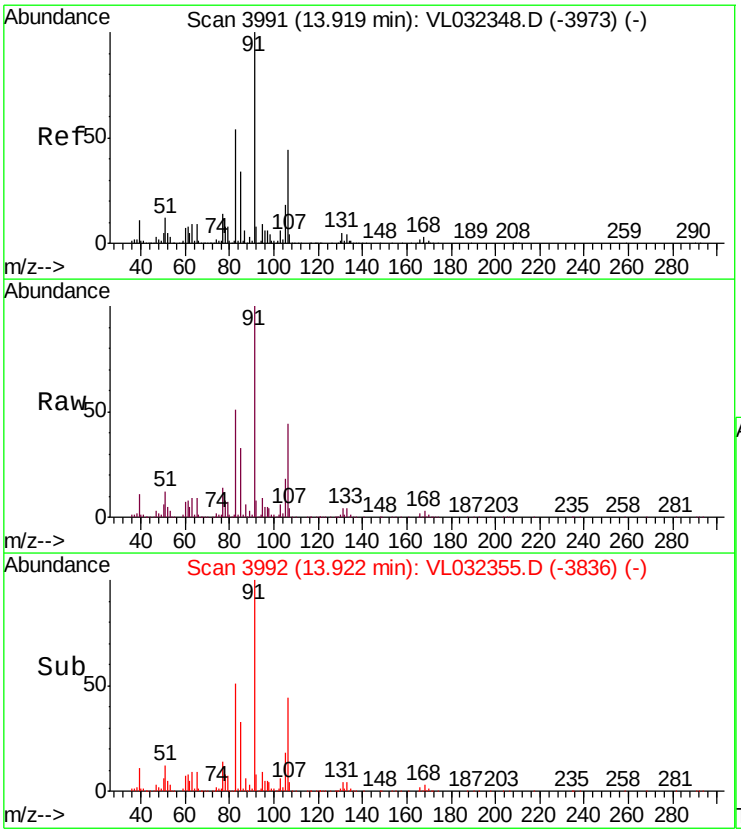
#59
m/p-Xylene
Concen: 9.248 ppbv
RT: 13.22 min Scan# 3774
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 91 Resp: 4504470

Ion	Ratio	Lower	Upper
91	100		
106	94.4	37.0	55.4#

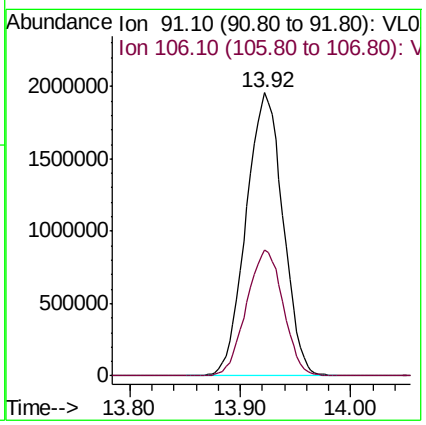


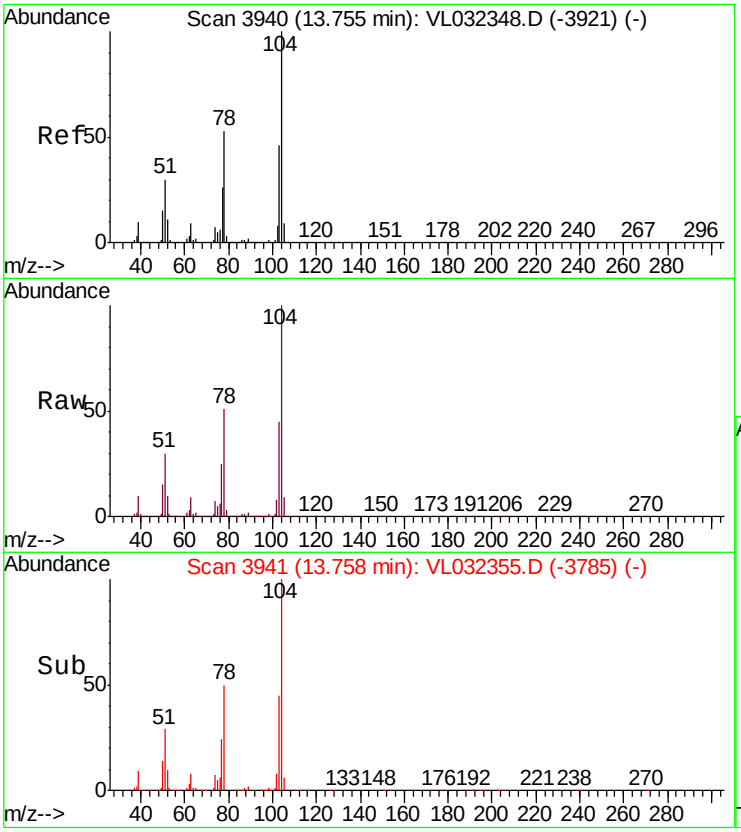


#60
o-Xylene
Concen: 9.473 ppbv
RT: 13.92 min Scan# 3992
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 91 Resp: 4535233

Ion	Ratio	Lower	Upper
91	100		
106	44.4	22.3	66.8



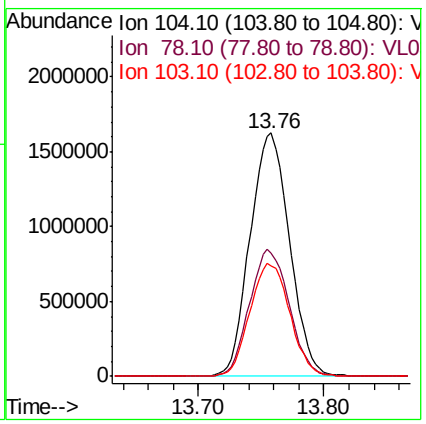


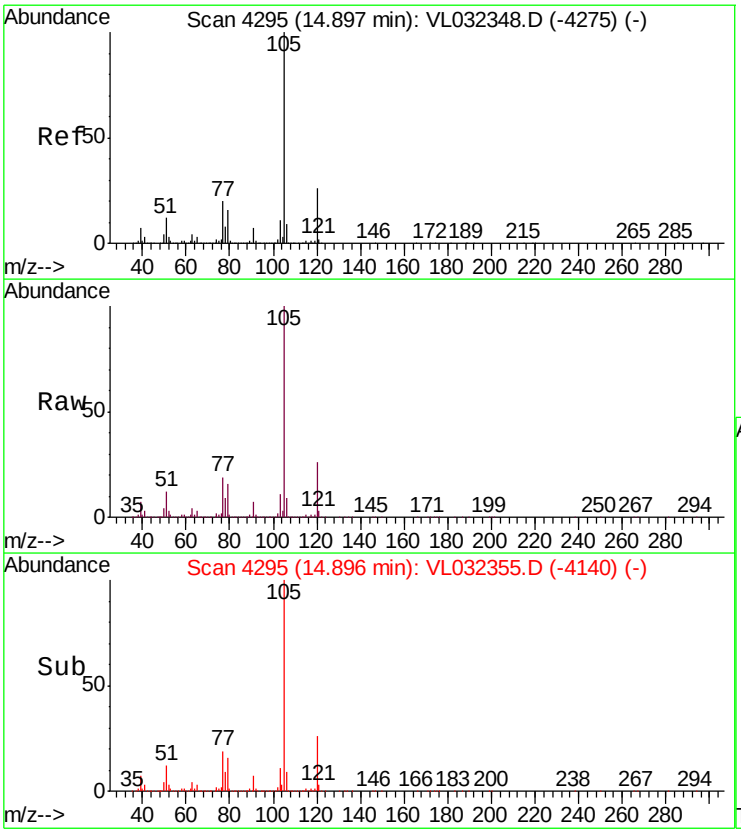
#61
Styrene
Concen: 10.606 ppbv
RT: 13.76 min Scan# 3941
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion:104 Resp: 3548550

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.6	64.0
103	46.9	38.0	57.0

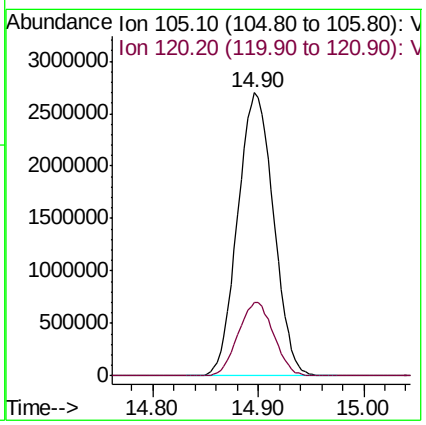


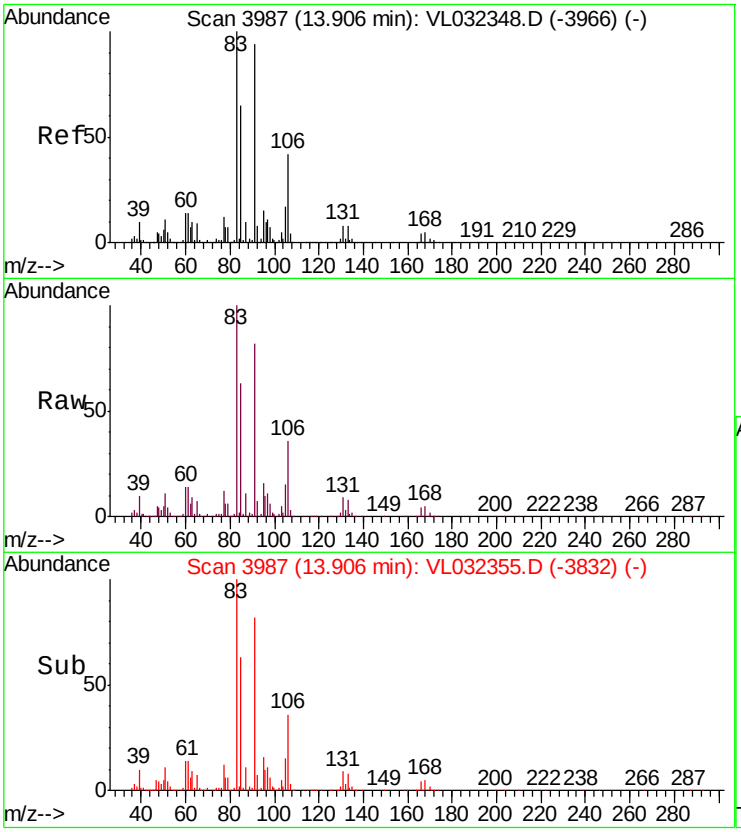


#62
Isopropylbenzene
Concen: 9.402 ppbv
RT: 14.90 min Scan# 4295
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:105 Resp: 6406800

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	30.8



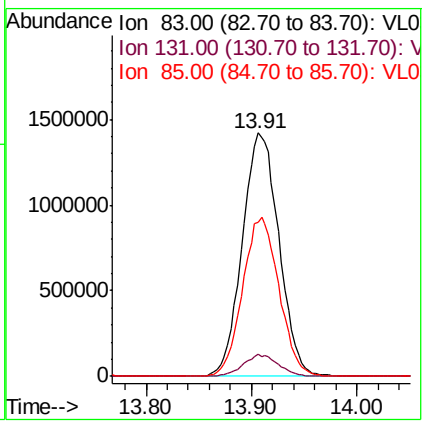


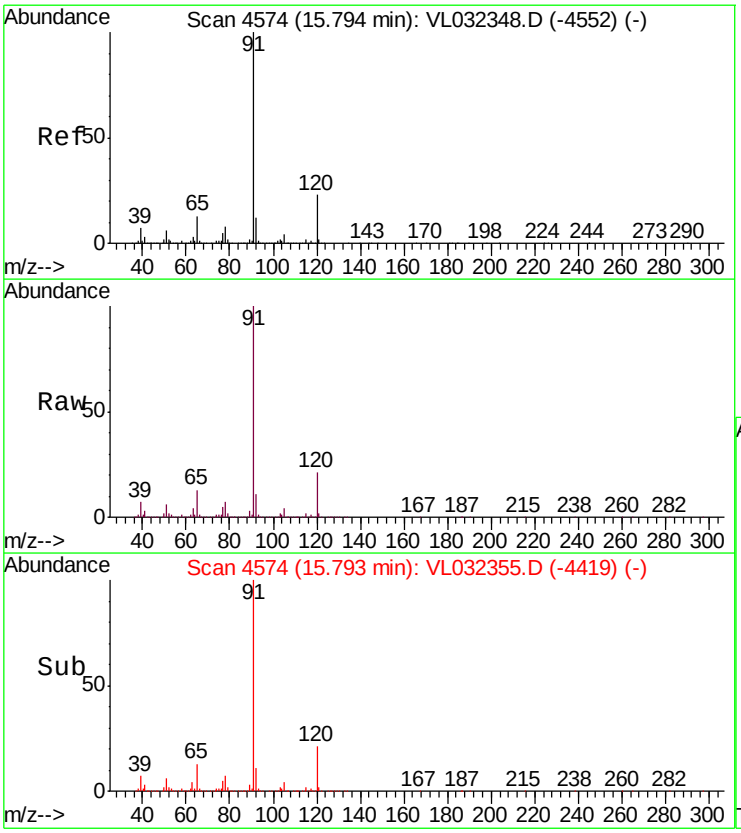
#63
1,1,2,2-Tetrachloroethane
Concen: 8.547 ppbv
RT: 13.91 min Scan# 3987
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 83 Resp: 3440819

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.3	12.8
85	64.8	32.4	97.2

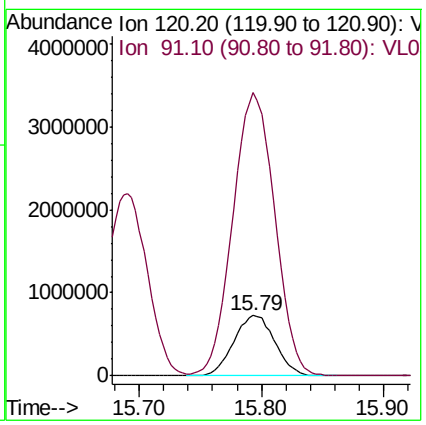


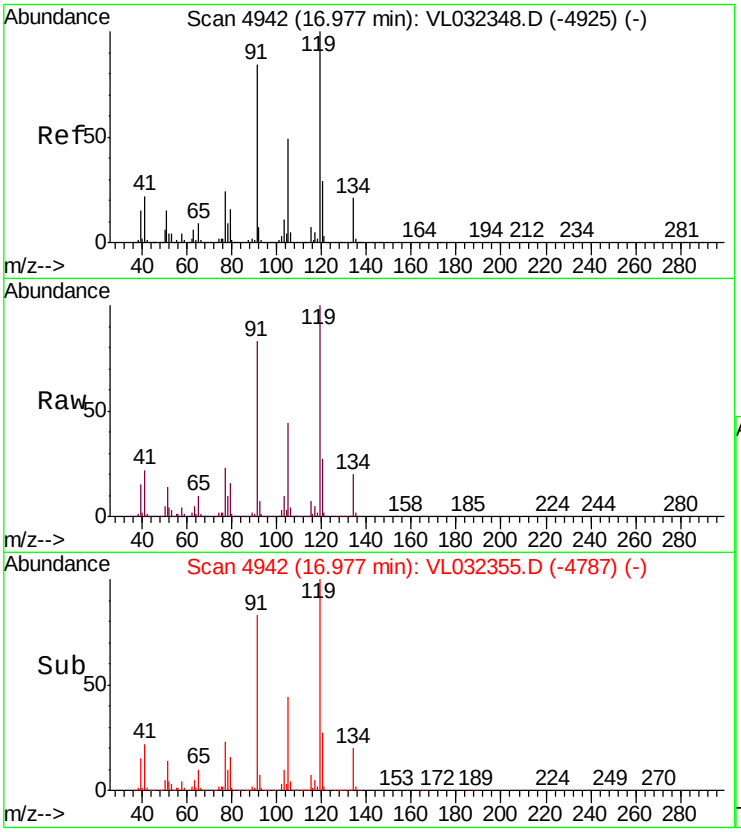


#64
n-propylbenzene
Concen: 9.622 ppbv
RT: 15.79 min Scan# 4574
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:120 Resp: 1697077

Ion	Ratio	Lower	Upper
120	100		
91	479.3	382.2	573.2



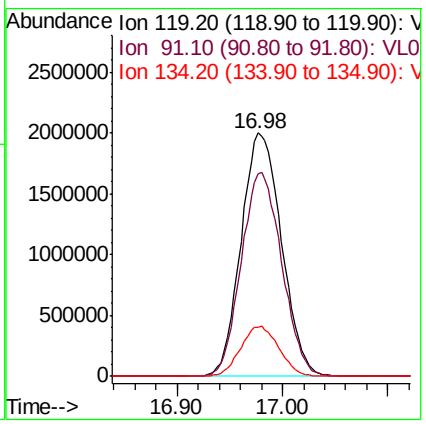


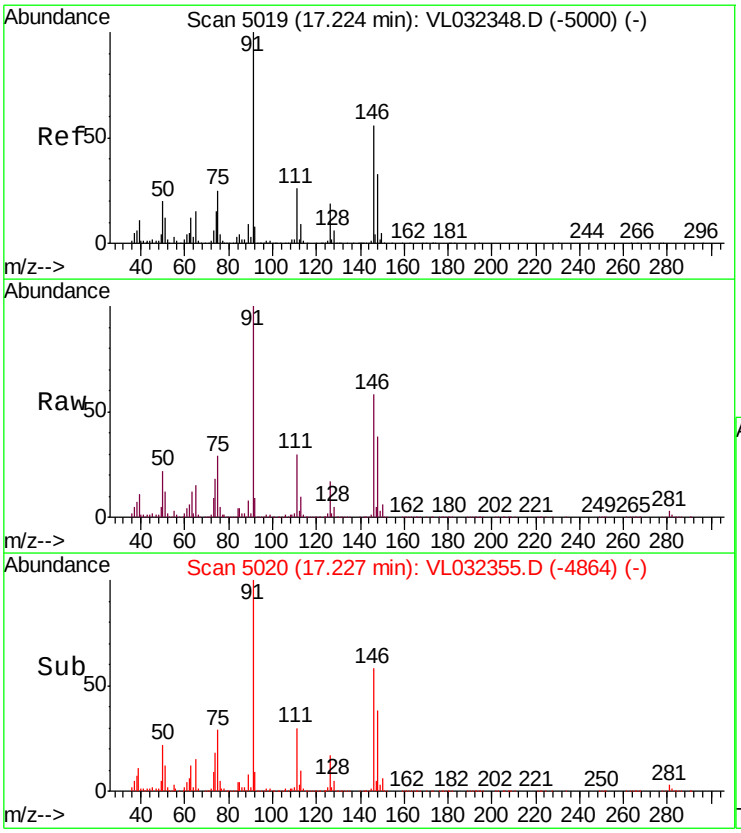
#65
tert-Butylbenzene
Concen: 9.144 ppbv
RT: 16.98 min Scan# 4942
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:119 Resp: 5323046

Ion	Ratio	Lower	Upper
119	100		
91	84.2	67.4	101.0
134	19.5	15.8	23.6

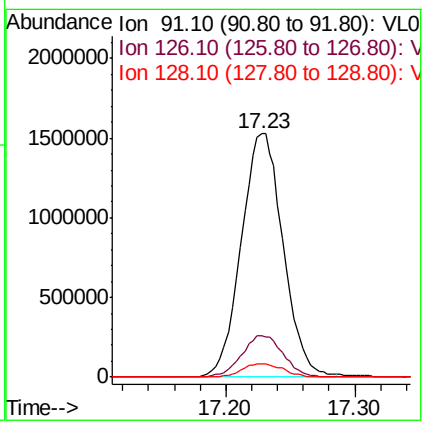


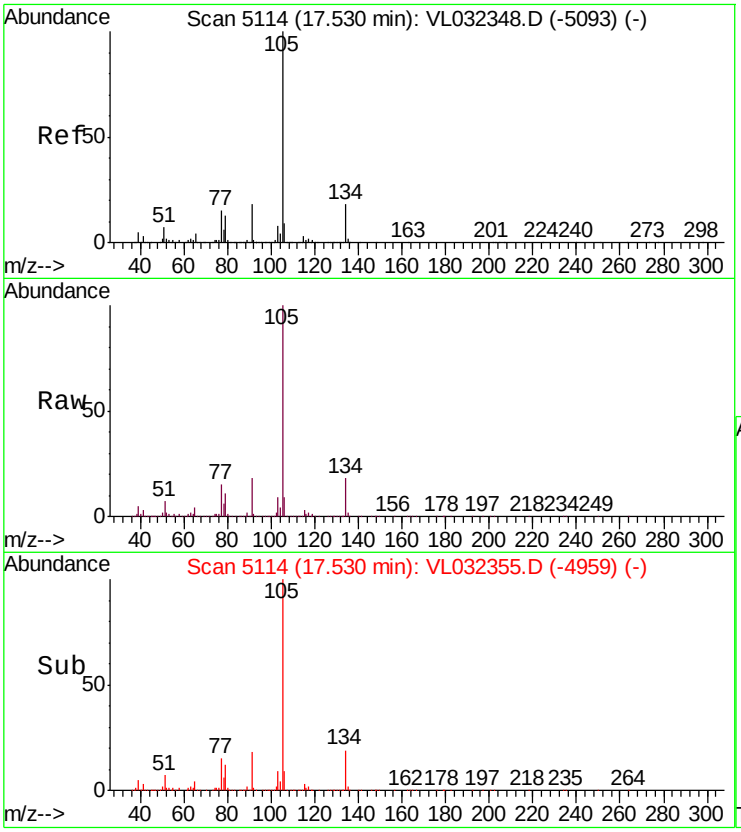


#66
Benzyl Chloride
Concen: 9.983 ppbv
RT: 17.23 min Scan# 5020
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 91 Resp: 3440944

Ion	Ratio	Lower	Upper
91	100		
126	17.3	14.2	21.4
128	5.4	4.5	6.7



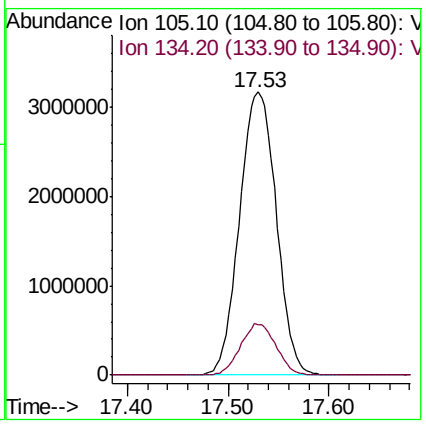


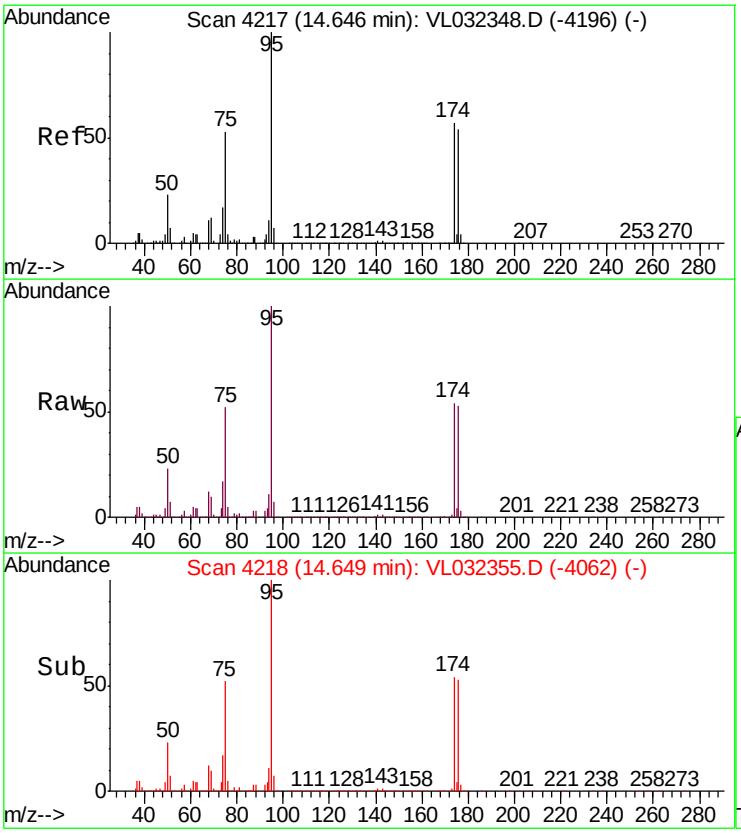
#67
sec-Butylbenzene
Concen: 9.239 ppbv
RT: 17.53 min Scan# 5114
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:105 Resp: 7996933

Ion	Ratio	Lower	Upper
105	100		
134	17.6	14.4	21.6

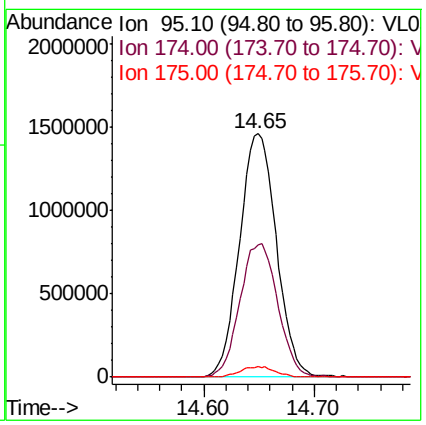


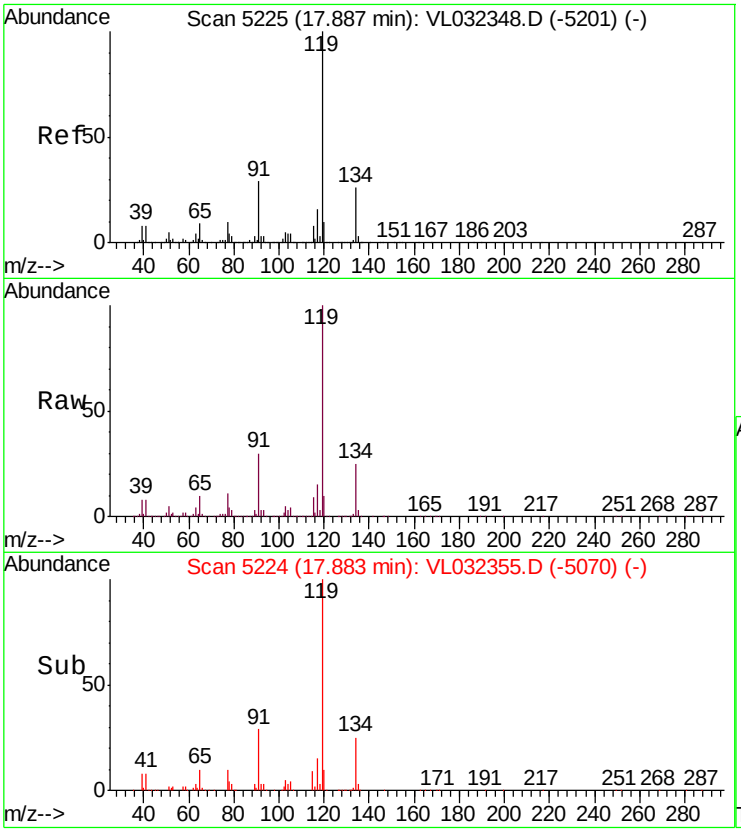


#68
1-Bromo-4-Fluorobenzene
Concen: 9.313 ppbv
RT: 14.65 min Scan# 4218
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 95 Resp: 3386182

Ion	Ratio	Lower	Upper
95	100		
174	56.7	46.2	69.4
175	4.0	3.4	5.0



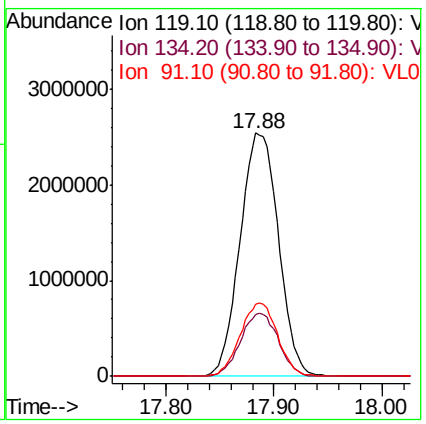


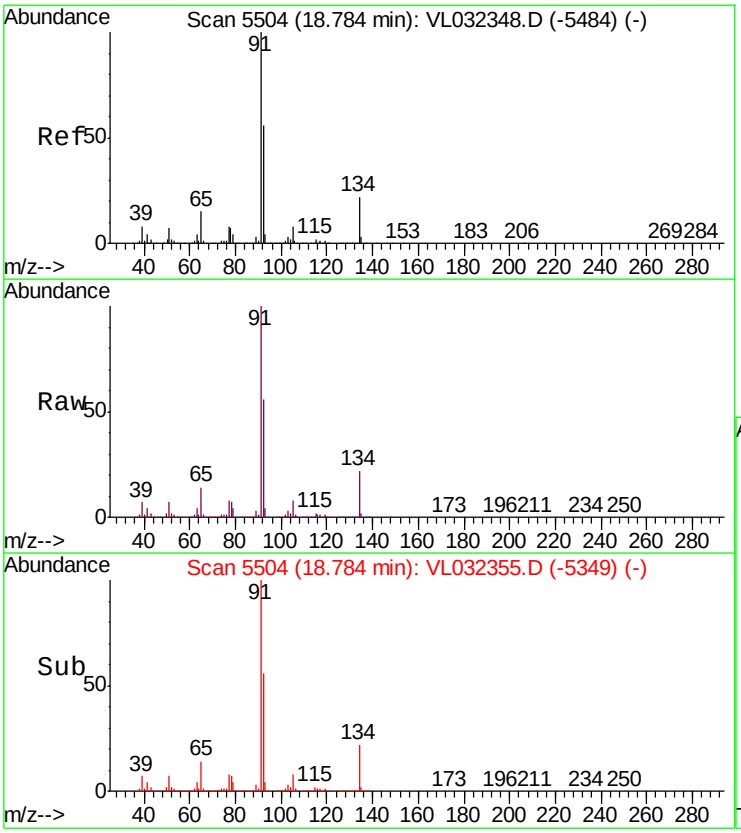
#69
p-Isopropyltoluene
Concen: 9.507 ppbv
RT: 17.88 min Scan# 5224
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:119 Resp: 6298101

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.4	30.6
91	29.3	23.6	35.4

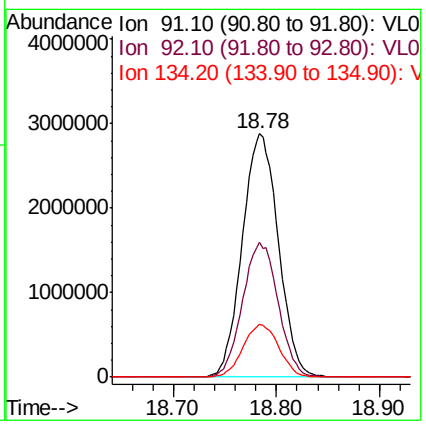


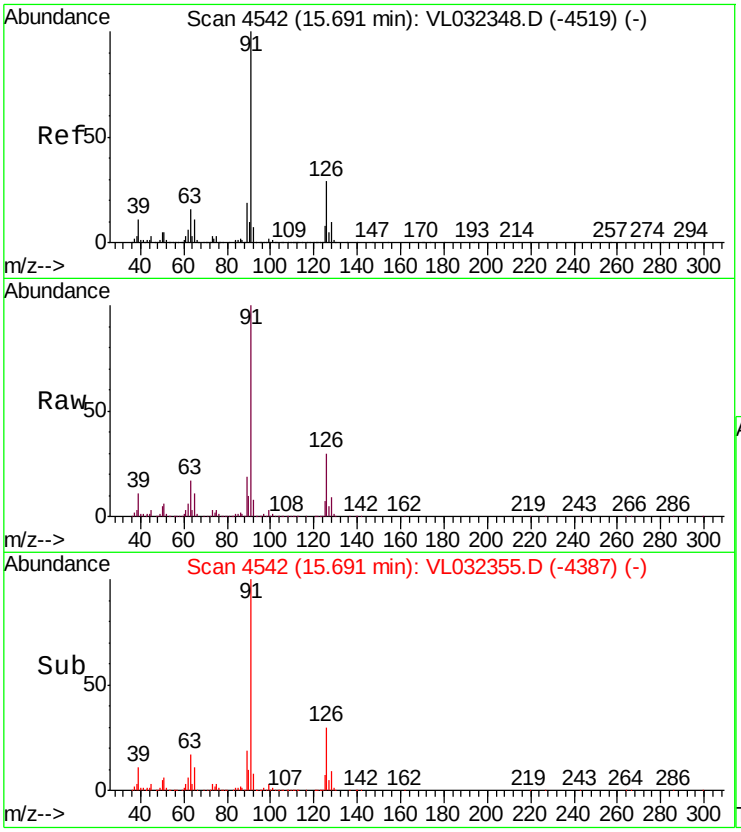


#70
n-Butylbenzene
Concen: 9.608 ppbv
RT: 18.78 min Scan# 5504
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion: 91 Resp: 6978964

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.9	65.9
134	21.6	17.3	25.9



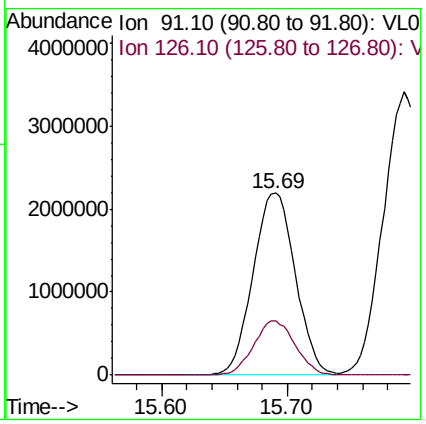


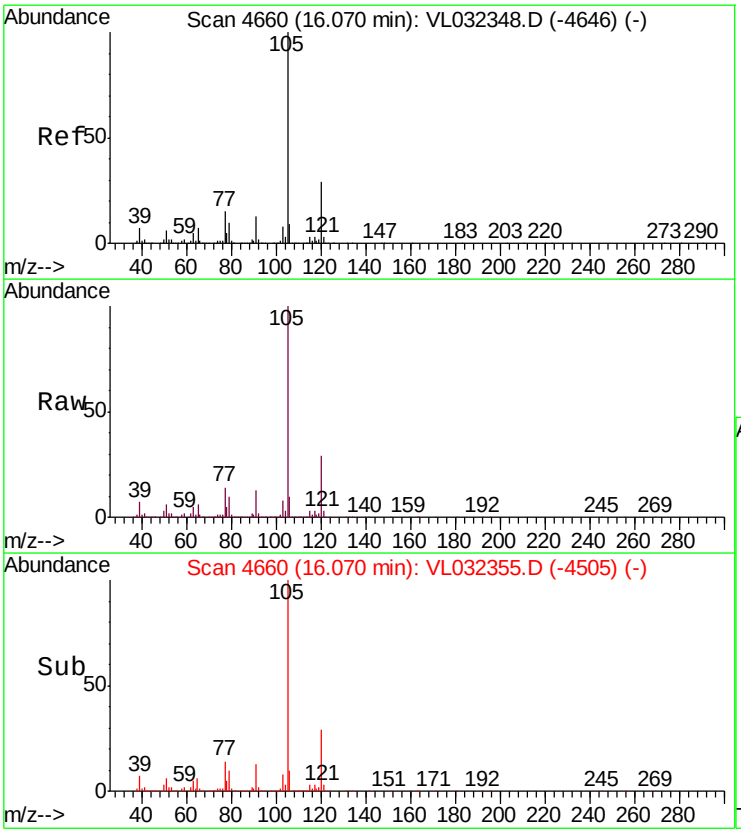
#71
2-Chlorotoluene
Concen: 9.760 ppbv
RT: 15.69 min Scan# 4542
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion: 91 Resp: 5147455

Ion	Ratio	Lower	Upper
91	100		
126	29.3	11.8	47.2

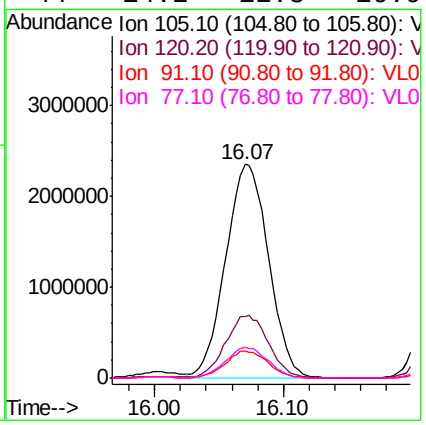


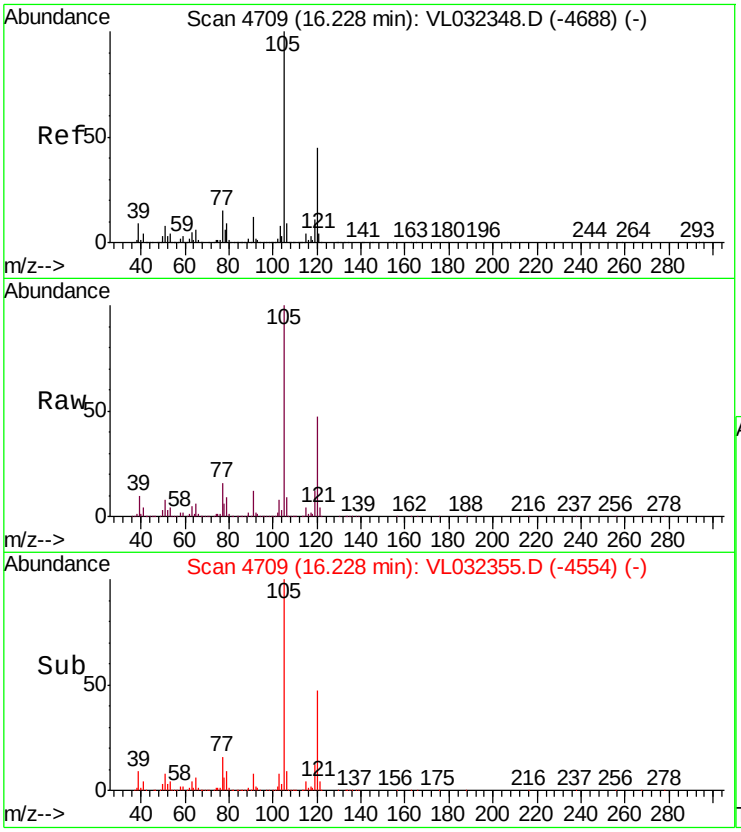


#72
4-Ethyltoluene
Concen: 10.169 ppbv
RT: 16.07 min Scan# 4660
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:105 Resp: 5429999

Ion	Ratio	Lower	Upper
105	100		
120	29.1	23.4	35.0
91	12.6	10.0	15.0
77	14.2	11.3	16.9



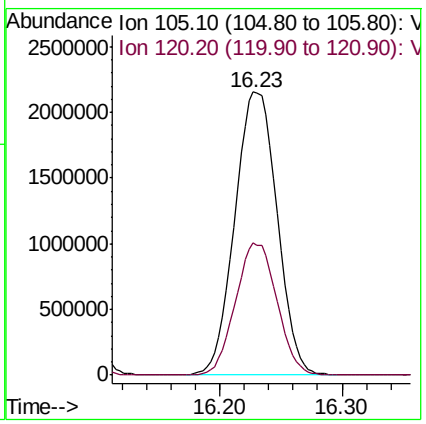


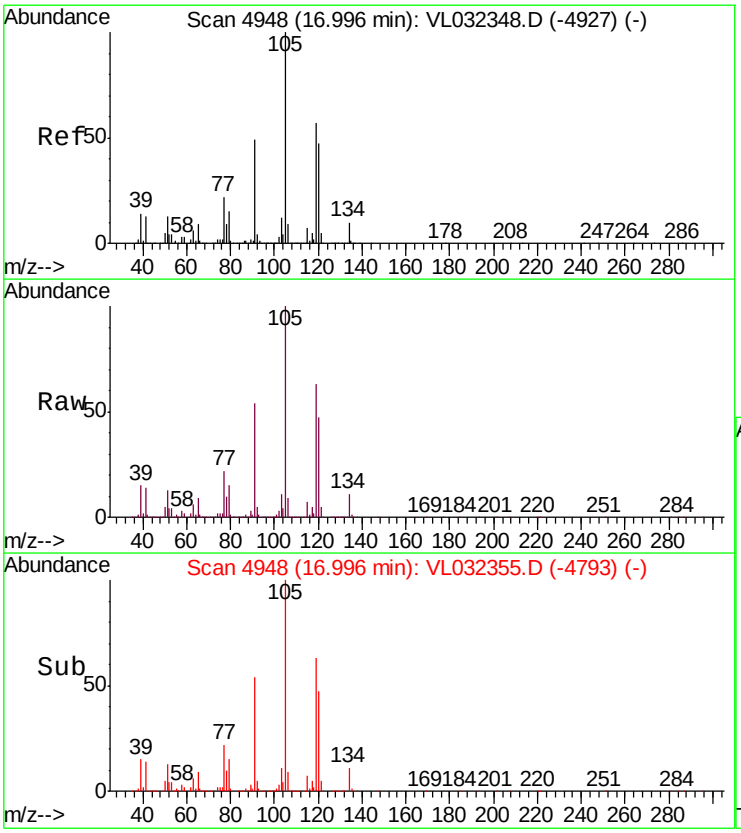
#73
1,3,5-Trimethylbenzene
Concen: 10.024 ppbv
RT: 16.23 min Scan# 4709
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:105 Resp: 5148405

Ion	Ratio	Lower	Upper
105	100		
120	46.9	36.3	54.5

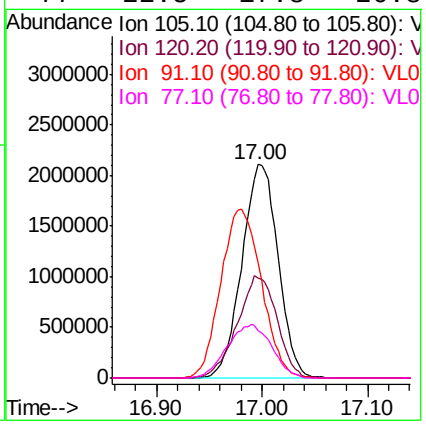


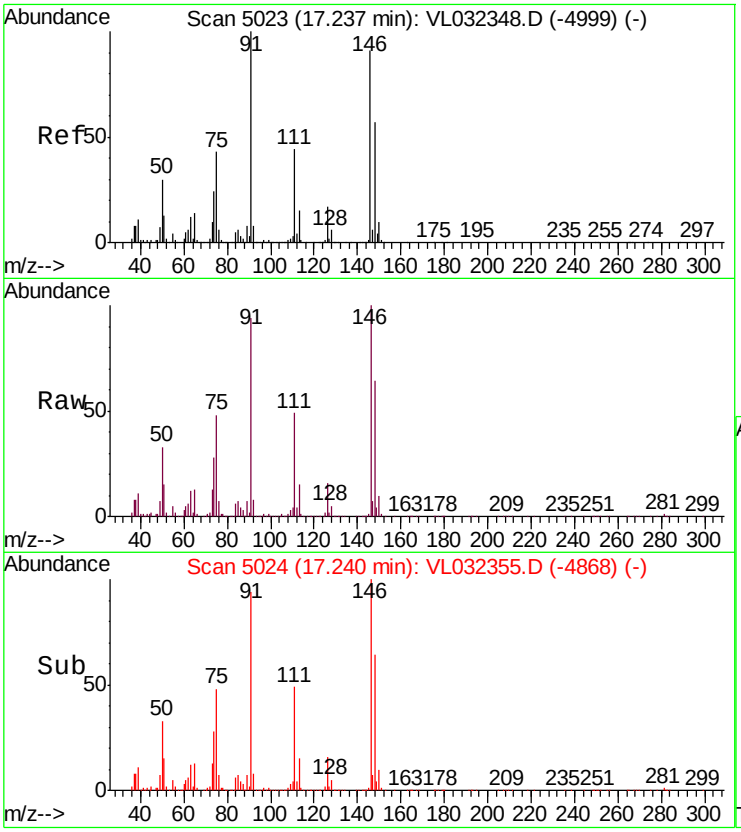


#74
1,2,4-Trimethylbenzene
Concen: 9.226 ppbv
RT: 17.00 min Scan# 4948
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:105 Resp: 5041976

Ion	Ratio	Lower	Upper
105	100		
120	46.5	37.6	56.4
91	53.6	39.9	59.9
77	22.5	17.8	26.8



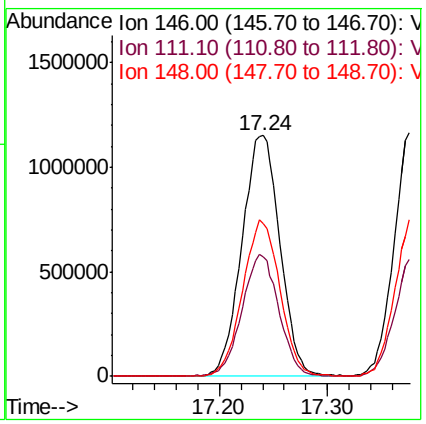


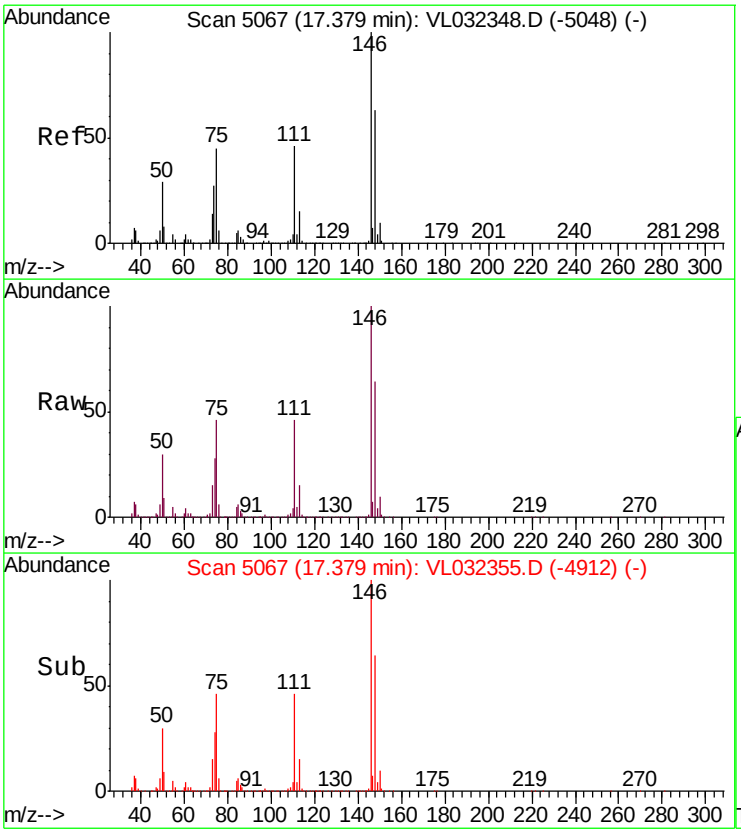
#75
1,3-Dichlorobenzene
Concen: 8.600 ppbv
RT: 17.24 min Scan# 5024
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:146 Resp: 2824354

Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.6	73.8
148	63.6	32.0	96.0

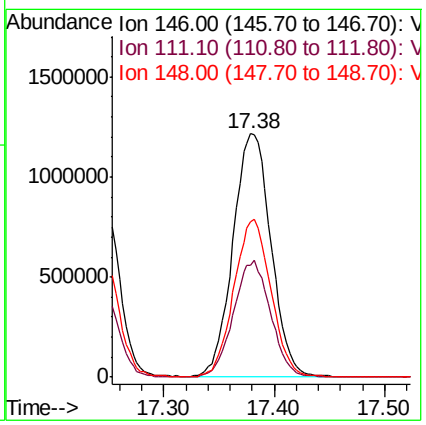


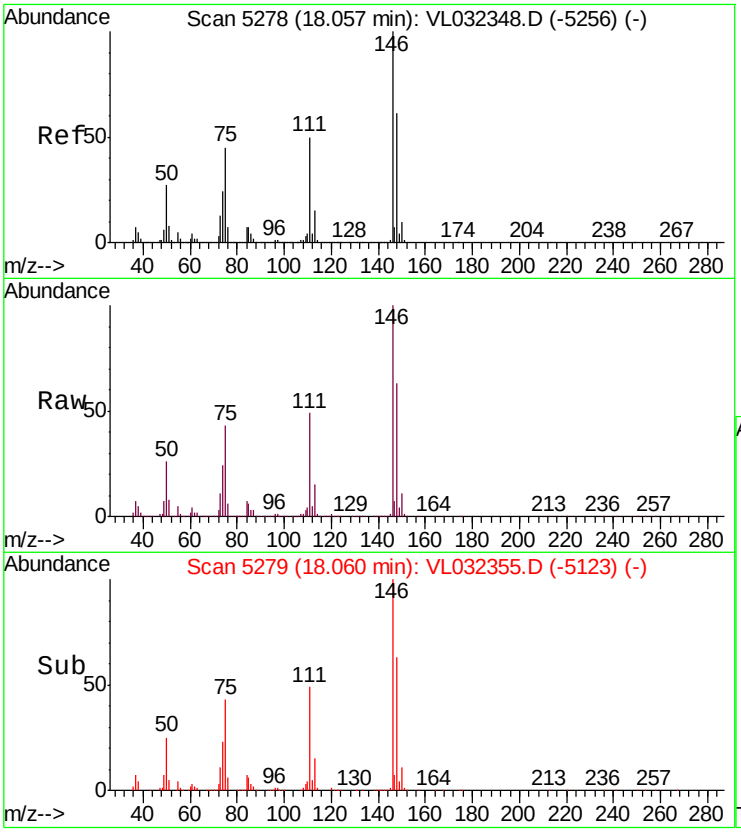


#76
1,4-Dichlorobenzene
Concen: 9.284 ppbv
RT: 17.38 min Scan# 5067
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:146 Resp: 2887950

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.8	71.4
148	63.8	32.2	96.6



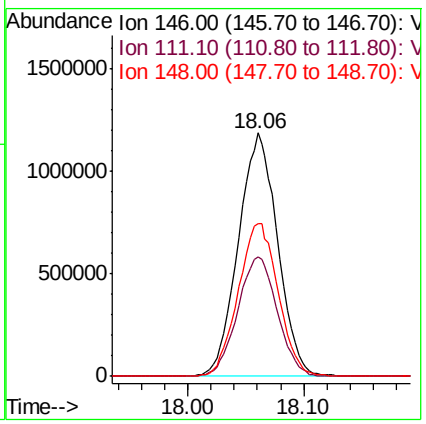


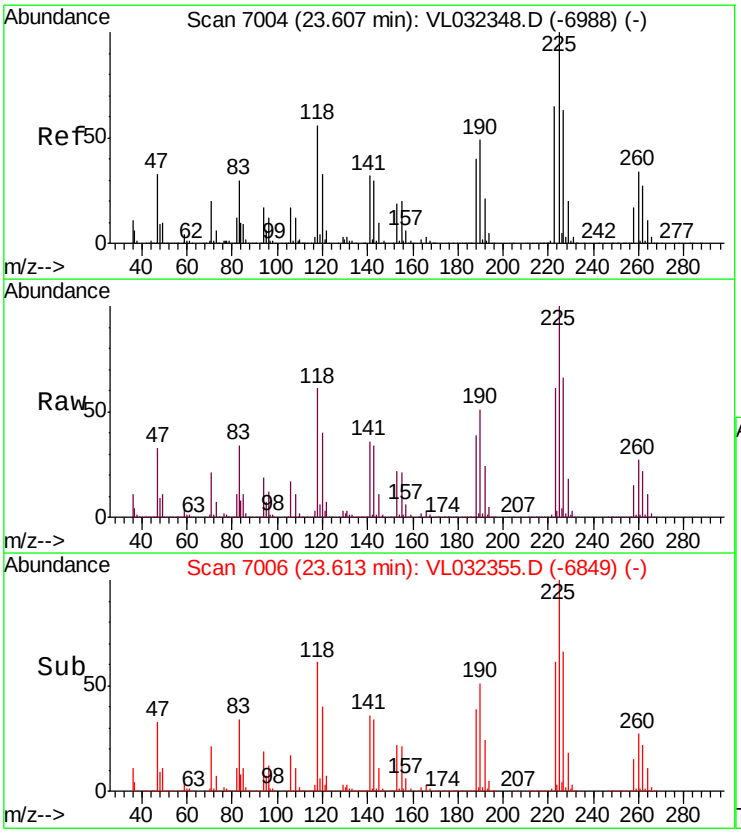
#77
1,2-Dichlorobenzene
Concen: 8.892 ppbv
RT: 18.06 min Scan# 5279
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument : MSVOA_L
ClientSampleId : ICVVL081518

Tgt Ion:146 Resp: 2790429

Ion	Ratio	Lower	Upper
146	100		
111	49.8	25.2	75.6
148	64.0	31.8	95.4

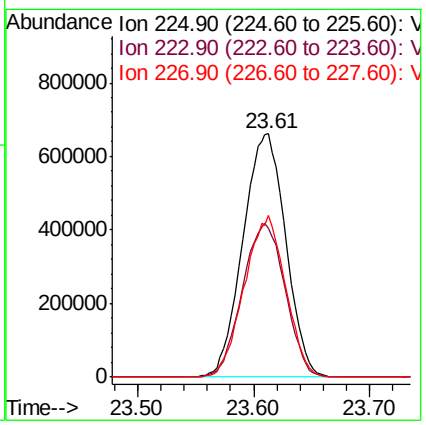


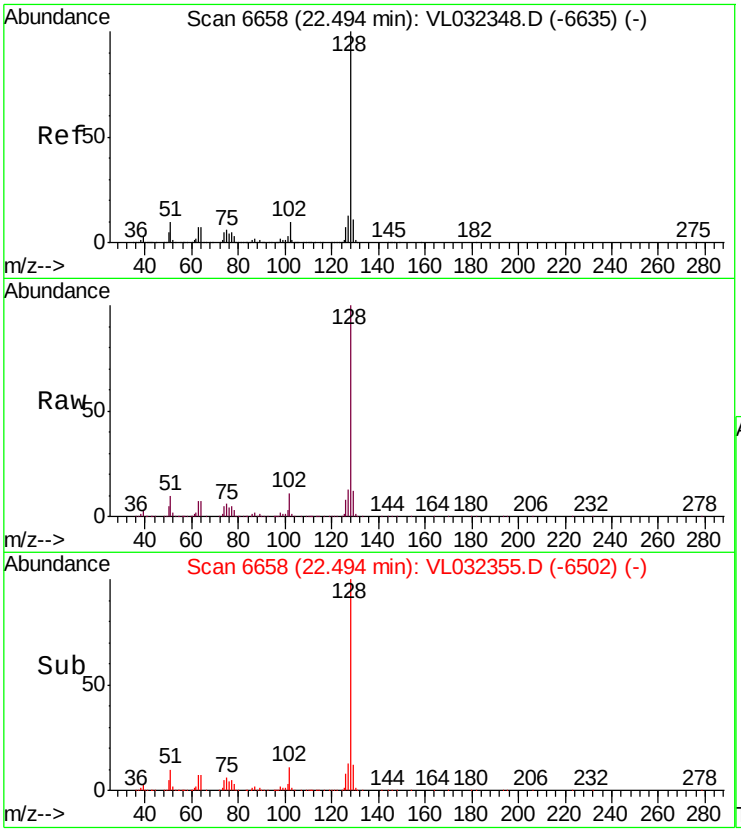


#78
Hexachloro-1,3-Butadiene
Concen: 16.106 ppbv
RT: 23.61 min Scan# 7006
Delta R.T. 0.01 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:225 Resp: 1696393

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	63.9	51.0	76.6



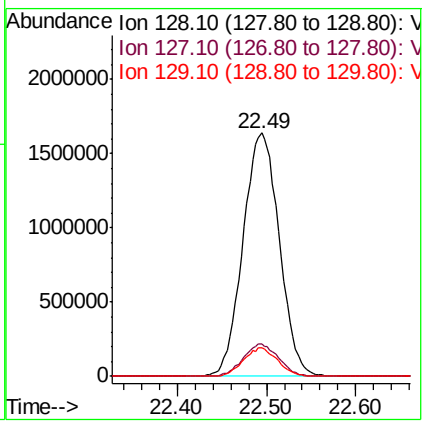


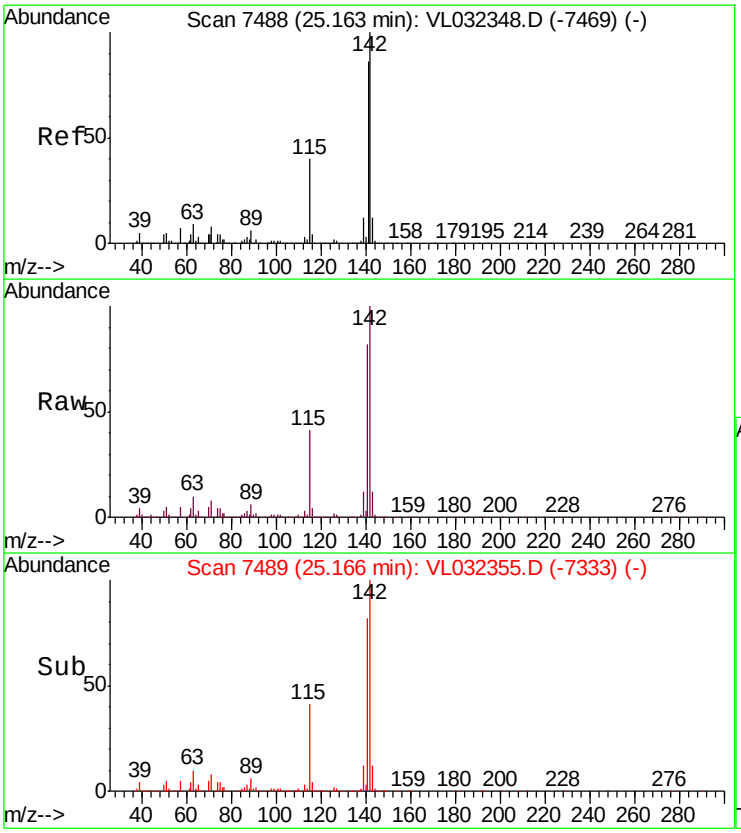
#79
Naphthalene
Concen: 9.111 ppbv
RT: 22.49 min Scan# 6658
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:128 Resp: 4641248

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.6	8.6	13.0

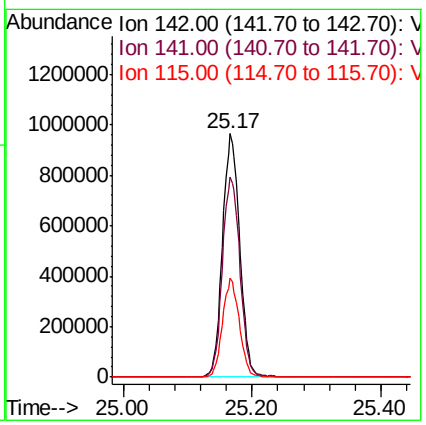


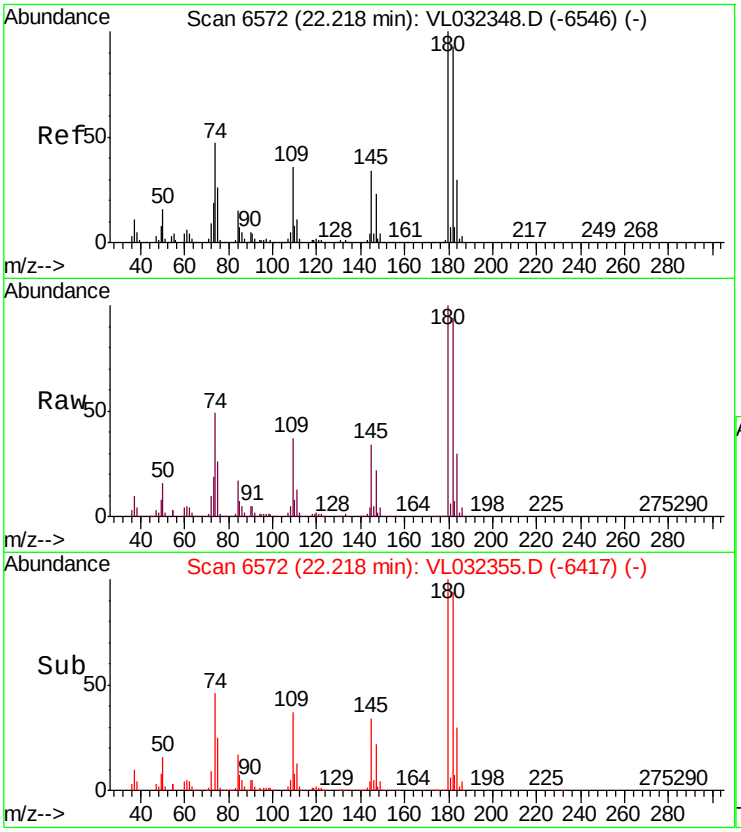


#80
Naphthalene,2-methyl-
Concen: 16.509 ppbv
RT: 25.17 min Scan# 7489
Delta R.T. 0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Tgt Ion:142 Resp: 1799950

Ion	Ratio	Lower	Upper
142	100		
141	83.7	66.7	100.1
115	39.6	31.0	46.6





#81
1,2,4-Trichlorobenzene
Concen: 10.511 ppbv
RT: 22.22 min Scan# 6572
Delta R.T. -0.00 min
Lab File: VL032355.D
Acq: 15 Aug 2018 15:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081518

Tgt Ion:180 Resp: 2221267

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.1	114.1
184	30.1	24.2	36.2