Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

Quantitation Report (Not Reviewed)

Data File : VL033305.D
Acq On : 13 Mar 2019 22:43
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Mar 13 23:18:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 20:55:03 2019
QLast Update : Wed Mar 13 20:55:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	773928	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1885199	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2061707	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1638498	10.28	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1500773	12.268	ppbv	99
3) Chlorodifluoromethane	3.01	51	1324319	13.227	ppbv	100
4) Chloromethane	3.17	50	715092	13.187	ppbv	98
5) Vinyl Chloride	3.29	62	708094	12.985	ppbv	100
6) Bromomethane	3.51	94	445171	13.678	ppbv	96
7) Chloroethane	3.60	64	272527	14.193	ppbv	95
8) Dichlorotetrafluoroethane	3.22	85	1679298	13.335	ppbv	98
9) Propene	3.03	41	612702	13.708	ppbv	99
10) Heptane	8.25	43	1609697	14.649	ppbv	99
11) Trichlorofluoromethane	4.00	101	1968108	13.791	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1322889	13.725	ppbv	100
13) Ethanol	3.64	45	135390	9.566	ppbv	100
14) Bromoethene	3.79	108	592481	14.899	ppbv	99
15) Acetone	3.90	43	1286145	12.041	ppbv	99
16) 1,3-Butadiene	3.36	39	564372	12.781	ppbv	84
17) tert-Butyl alcohol	4.35	59	243860	13.045	ppbv	99
18) 1,1-Dichloroethene	4.35	96	605139	14.431	ppbv	97
19) Isopropyl Alcohol	4.02	45	826033	12.244	ppbv	100
20) Methylene Chloride	4.41	84	506875	11.863	ppbv	98
21) Allyl Chloride	4.48	41	954803	15.089	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	617242	14.460	ppbv	96
23) Vinyl Acetate	5.16	43	2307718	15.364	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1545806	14.164	ppbv	99
25) Ethyl Acetate	5.77	43	2633002	13.764	ppbv	100
26) Hexane	5.78	57	1172504	13.065	ppbv	99
27) Carbon Disulfide	4.62	76	1527444	16.025	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1890962	15.061	ppbv	99
29) Chloroform	5.85	83	1968048	14.151	ppbv	100
30) Cyclohexane	7.25	84	1038087	15.156	ppbv	98
31) cis-1,2-Dichloroethene	5.64	61	1258353	14.783	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1939215	14.272	ppbv	99
34) 2-Butanone	5.33	43	1780701	13.852	ppbv	99
35) Carbon Tetrachloride	7.14	117	2055843	14.217	ppbv	99
36) Benzene	7.01	78	2564421	14.030	ppbv	100
37) 1,2-Dichloroethane	6.42	62	1502198	13.463	ppbv	99
38) Trichloroethene	7.96	130	953884	13.048	ppbv	97
39) 1,2-Dichloropropane	7.74	63	974745	13.845	ppbv	97
40) 1,4-Dioxane	7.95	88	328577	12.234	ppbv	70
41) Tetrahydrofuran	6.15	42	1027339	14.308	ppbv	99
42) Bromodichloromethane	7.92	83	2187659	14.153	ppbv	99
43) Methyl Methacrylate	8.14	69	1063296	14.561	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

Quantitation Report (Not Reviewed)

Data File : VL033305.D
Acq On : 13 Mar 2019 22:43
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Mar 13 23:18:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 20:55:03 2019
QLast Update : Wed Mar 13 20:55:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	4147826	13.106	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1438058	16.891	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1619714	15.700	ppbv		97
47) 1,1,2-Trichloroethane	9.62	97	1039006	13.874	ppbv		98
48) Dibromochloromethane	10.45	129	1860067	14.715	ppbv		99
49) Bromoform	13.21	173	1801803	17.223	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2595647	13.801	ppbv		99
51) 2-Hexanone	10.27	43	2066894	14.448	ppbv	#	100
52) Tetrachloroethene	11.38	164	920842	12.002	ppbv		95
53) Toluene	9.95	91	3006975	14.370	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1664694	13.290	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.29	131	1407296	15.309	ppbv	#	73
57) Chlorobenzene	12.31	112	2386812	14.444	ppbv		100
58) Ethyl Benzene	12.87	91	4570707	15.510	ppbv		99
59) m/p-Xylene	13.16	91	3501231	14.136	ppbv	#	100
60) o-Xylene	13.85	91	3586358	15.008	ppbv		99
61) Styrene	13.69	104	2781771	16.772	ppbv		99
62) Isopropylbenzene	14.83	105	5147645	15.427	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2463481	14.455	ppbv		100
64) n-propylbenzene	15.72	120	1314192	15.989	ppbv		95
65) tert-Butylbenzene	16.91	119	4473732	15.966	ppbv		99
66) Benzyl Chloride	17.16	91	2479734	23.056	ppbv		99
67) sec-Butylbenzene	17.46	105	6425864	15.903	ppbv		99
69) p-Isopropyltoluene	17.82	119	5323758	16.451	ppbv		99
70) n-Butylbenzene	18.72	91	5597983	16.275	ppbv		99
71) 2-Chlorotoluene	15.62	91	3954319	15.938	ppbv		100
72) 4-Ethyltoluene	16.01	105	4237511	16.698	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	4064243	17.198	ppbv		96
74) 1,2,4-Trimethylbenzene	16.93	105	4066539	16.678	ppbv		94
75) 1,3-Dichlorobenzene	17.17	146	2351863	15.388	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	2394937	15.970	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	2346947	15.665	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	1285180	10.478	ppbv		99
79) Naphthalene	22.42	128	4471588	18.302	ppbv		99
80) Naphthalene,2-methyl-	25.12	142	2226077	34.022	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	2204757	16.844	ppbv		100

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

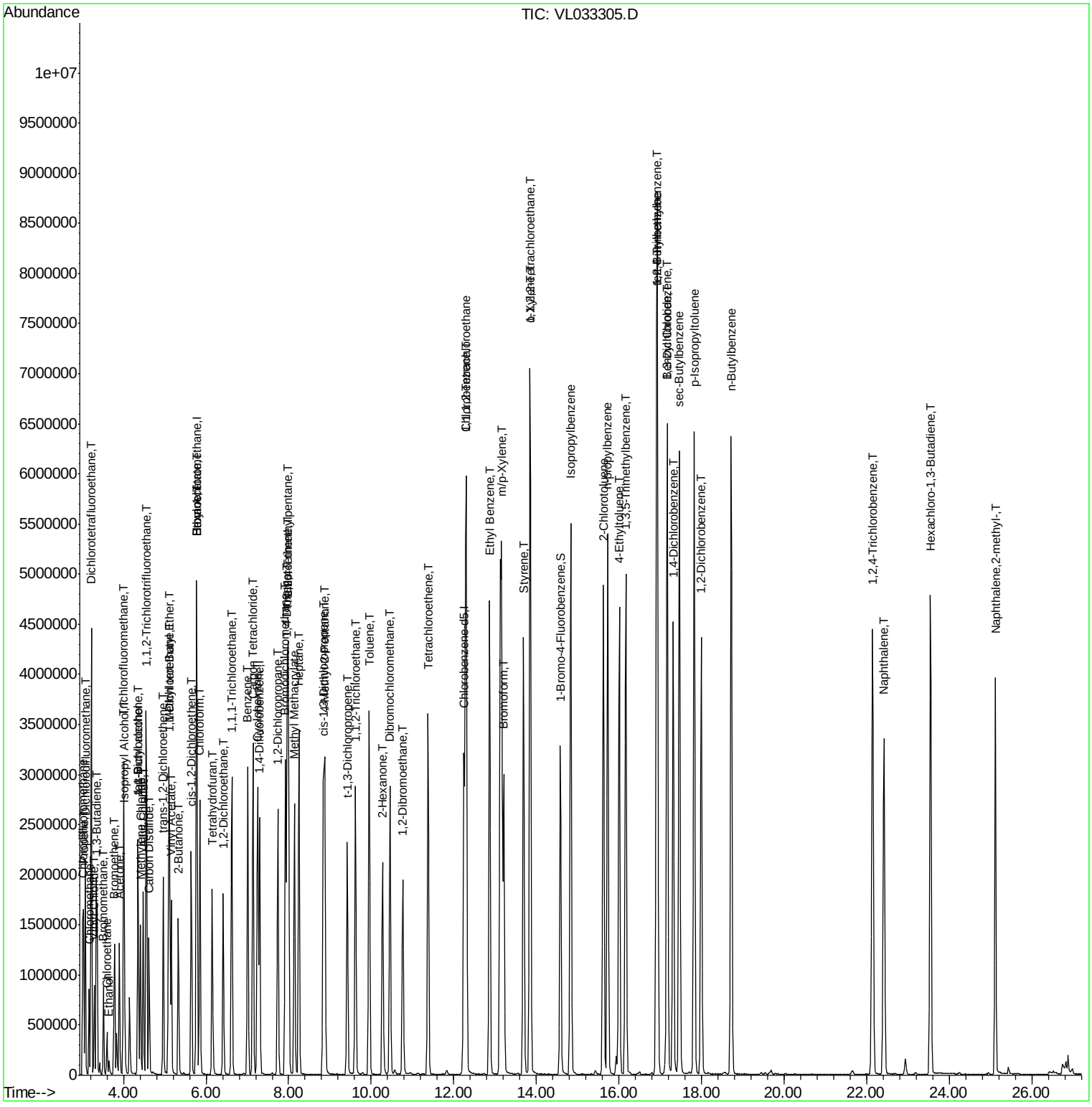
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031319\

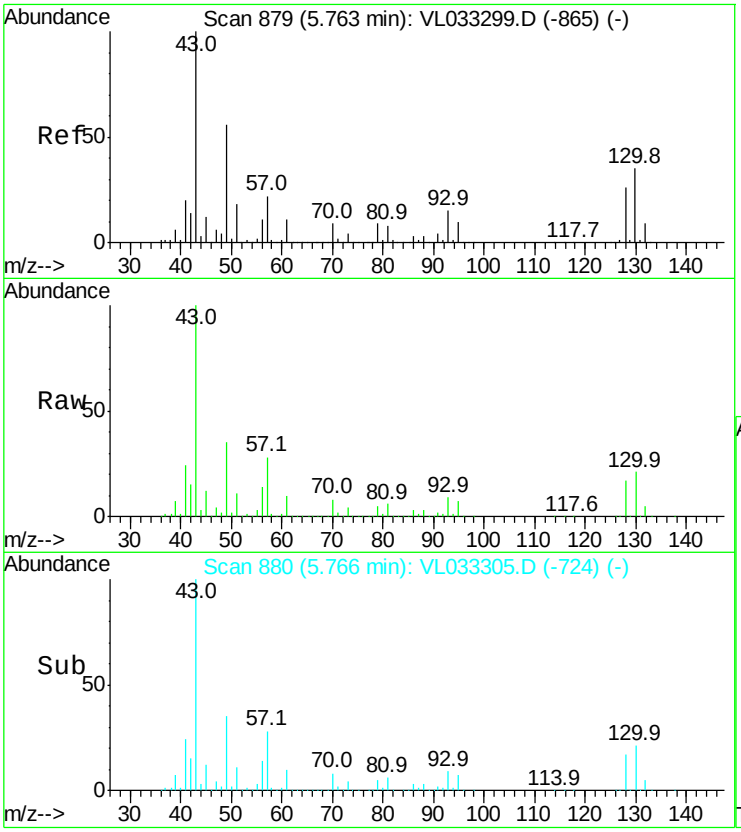
Quantitation Report (Not Reviewed)

Data File : VL033305.D
Acq On : 13 Mar 2019 22:43
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Mar 13 23:18:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031319AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 13 20:55:03 2019
QLast Update : Wed Mar 13 20:55:03 2019
Response via : Initial Calibration



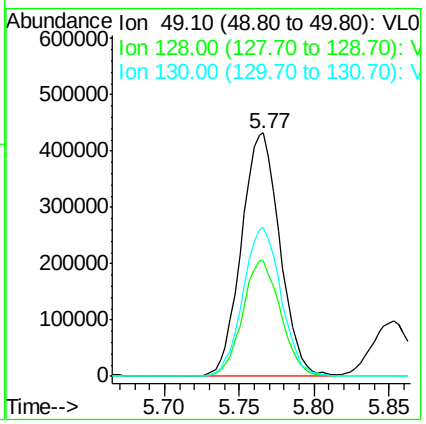


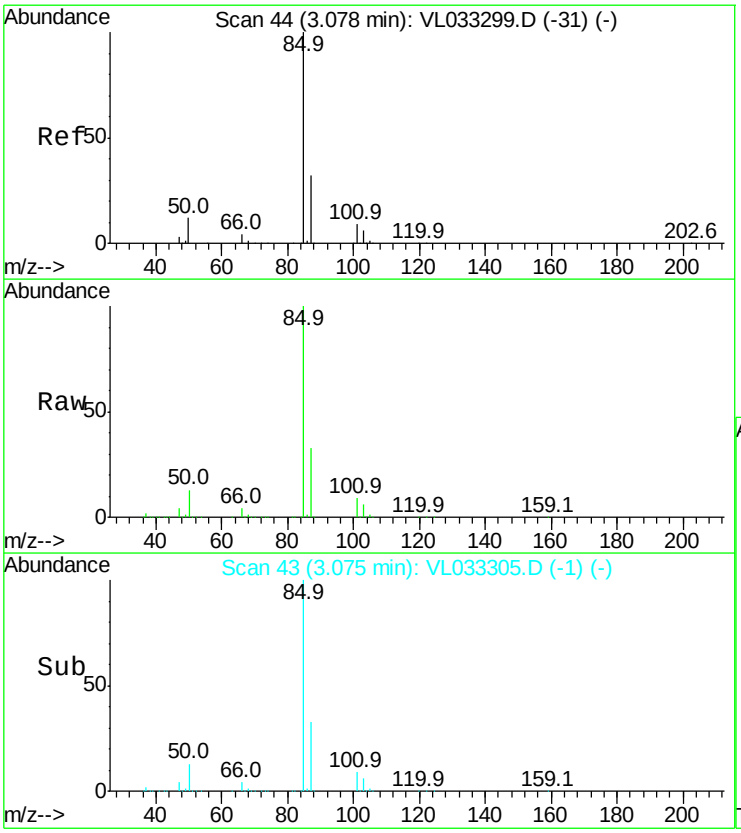
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 773928

Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.4	70.3
130	60.9	29.9	89.7

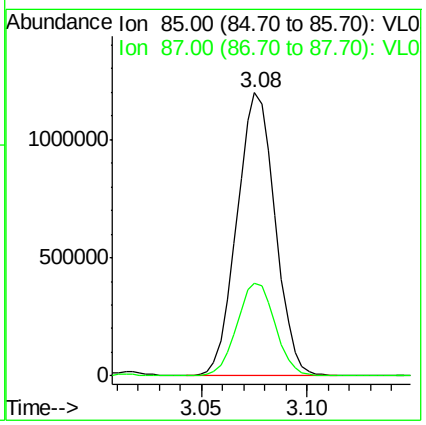


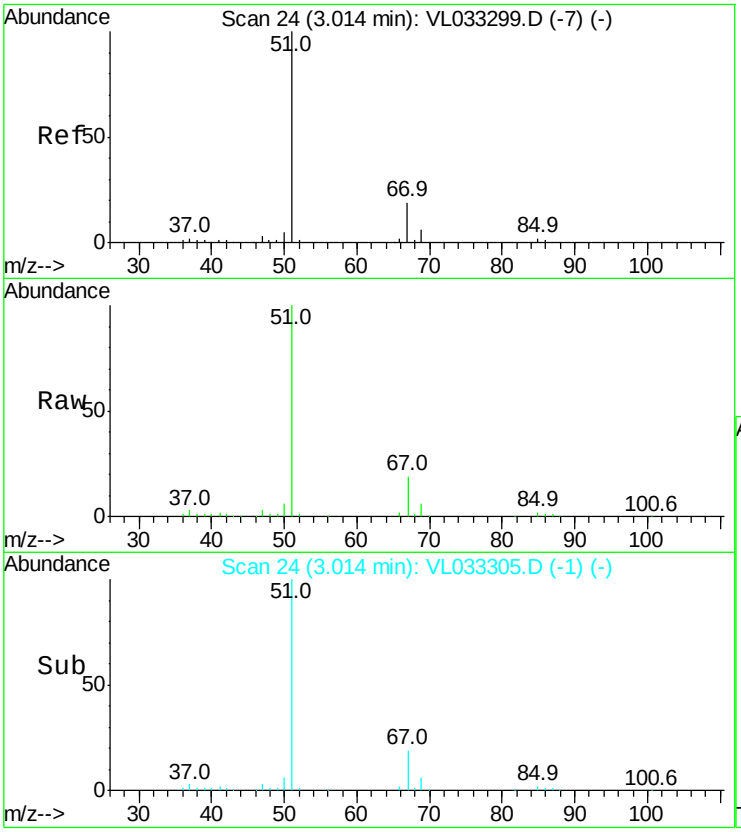


#2
Dichlorodifluoromethane
Concen: 12.268 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 85 Resp: 1500773

Ion	Ratio	Lower	Upper
85	100		
87	32.7	25.8	38.8



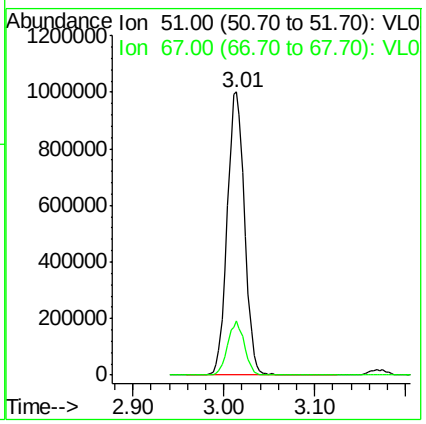


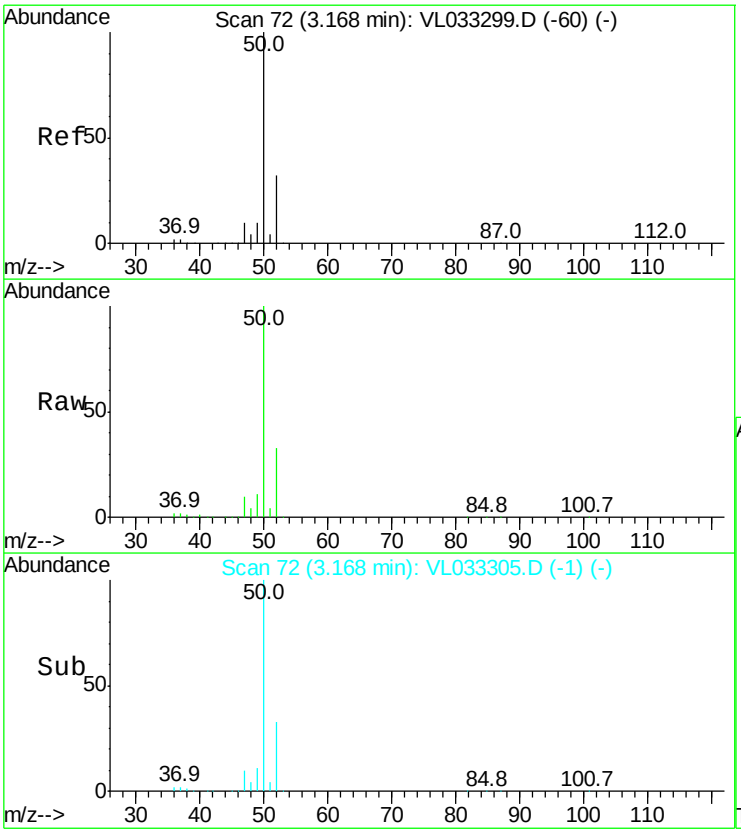
#3
Chlorodifluoromethane
Concen: 13.227 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 1324319

Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.9	22.3

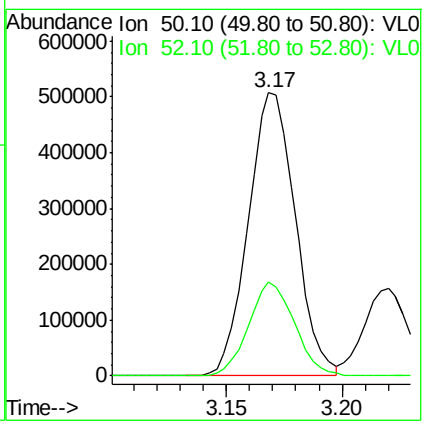


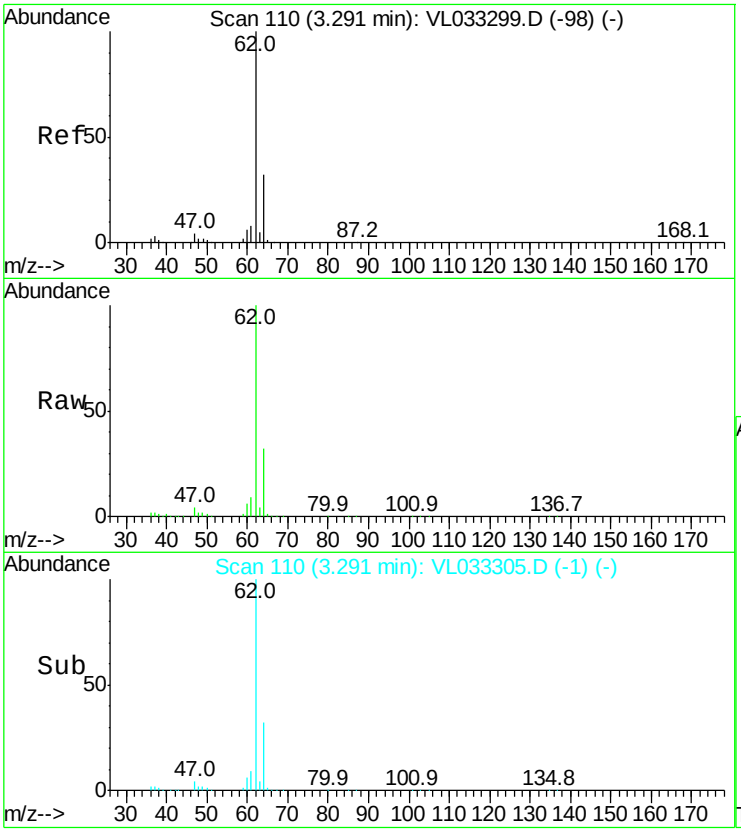


#4
Chloromethane
Concen: 13.187 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 50 Resp: 715092

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5



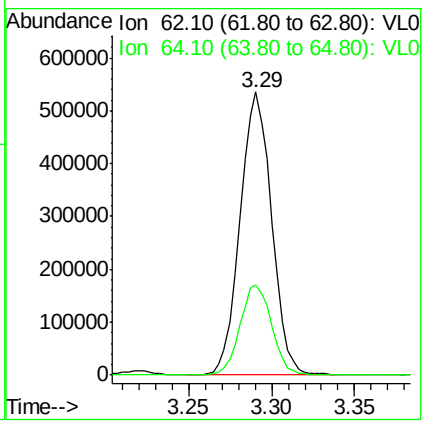


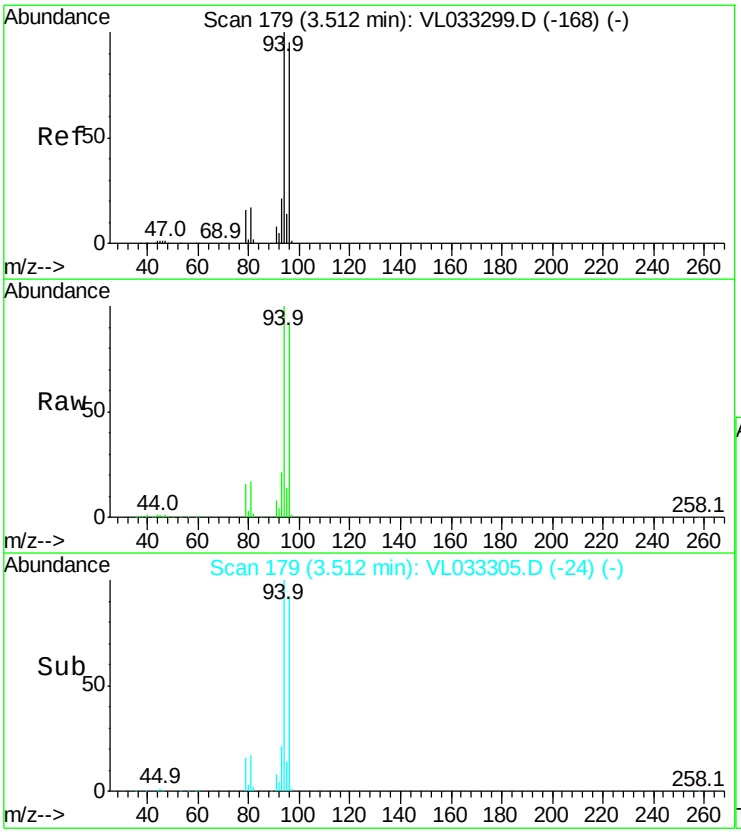
#5
Vinyl Chloride
Concen: 12.985 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 708094

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.5	38.3

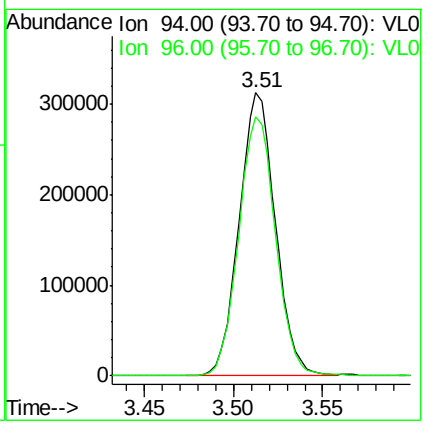


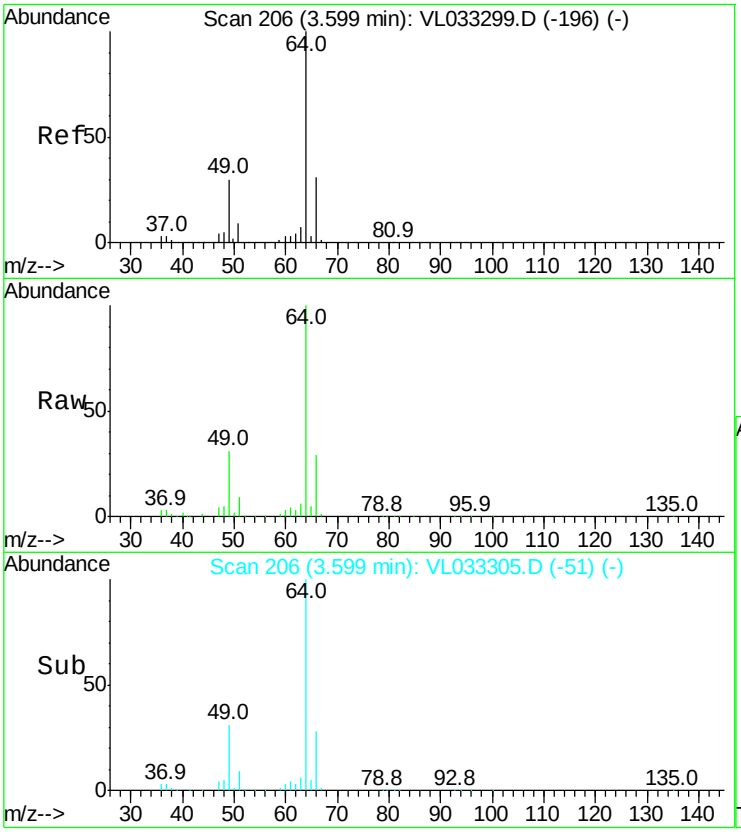


#6
Bromomethane
Concen: 13.678 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 94 Resp: 445171

Ion	Ratio	Lower	Upper
94	100		
96	91.6	76.2	114.4



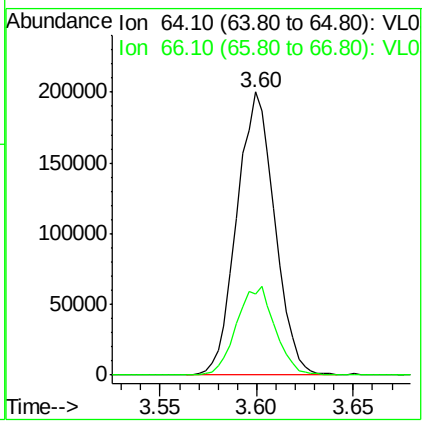


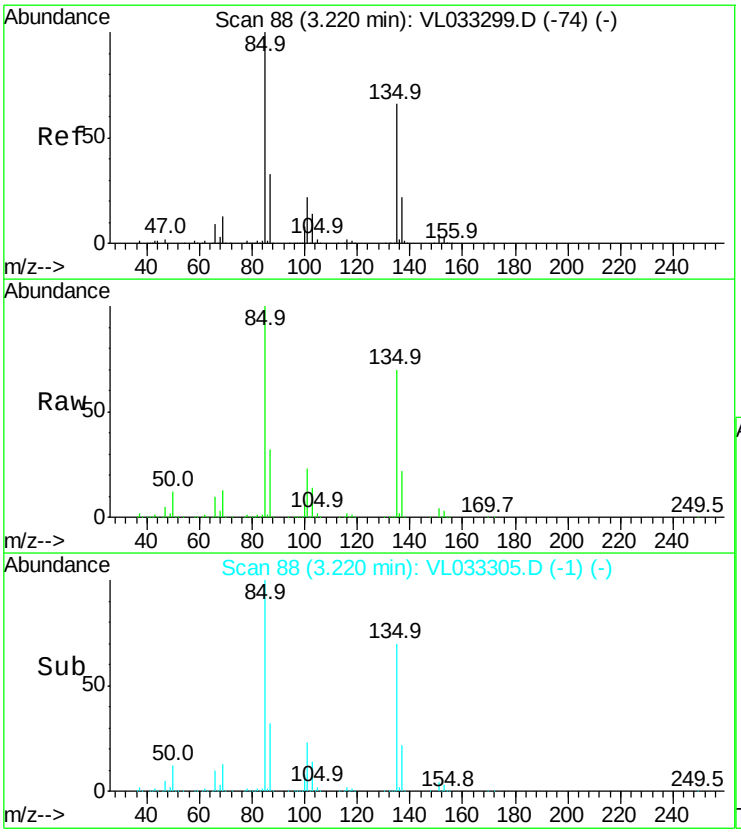
#7
Chloroethane
Concen: 14.193 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 272527

Ion	Ratio	Lower	Upper
64	100		
66	28.6	24.9	37.3

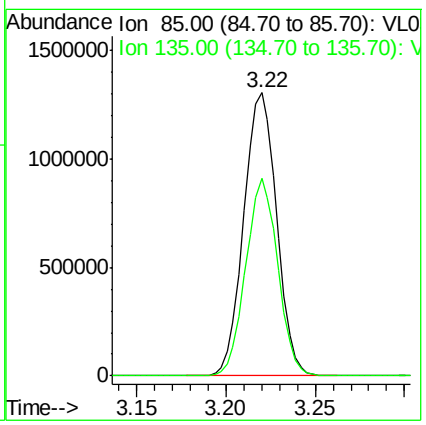


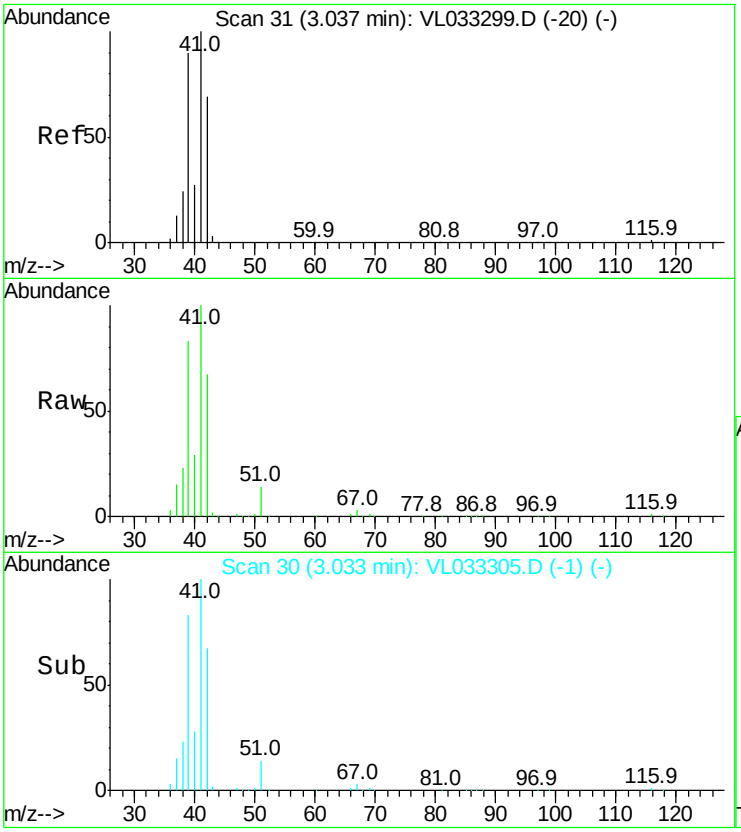


#8
Dichlorotetrafluoroethane
Concen: 13.335 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 85 Resp: 1679298

Ion	Ratio	Lower	Upper
85	100		
135	68.0	52.9	79.3



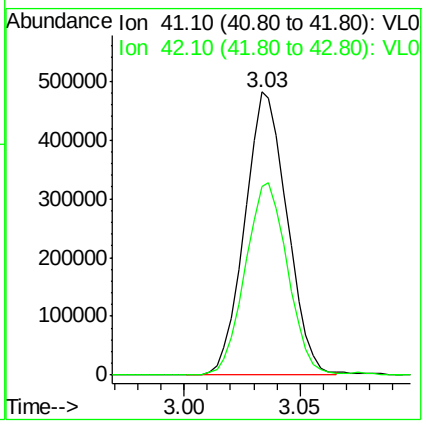


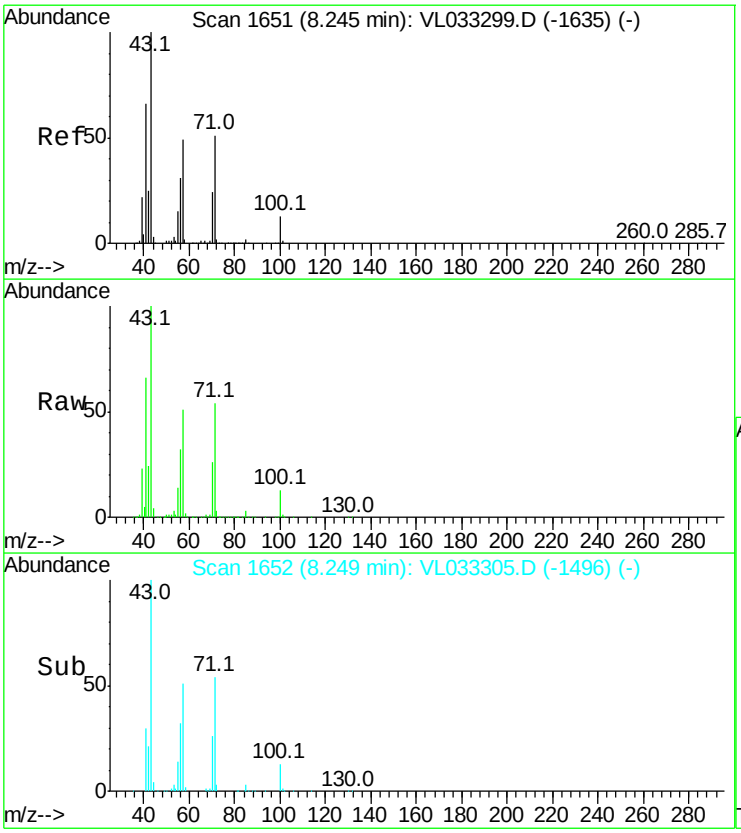
#9
Propene
Concen: 13.708 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 612702

Ion	Ratio	Lower	Upper
41	100		
42	68.6	54.4	81.6

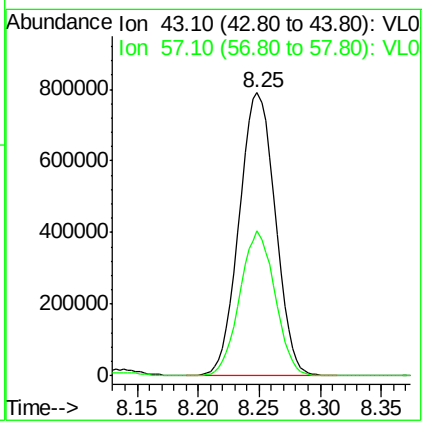


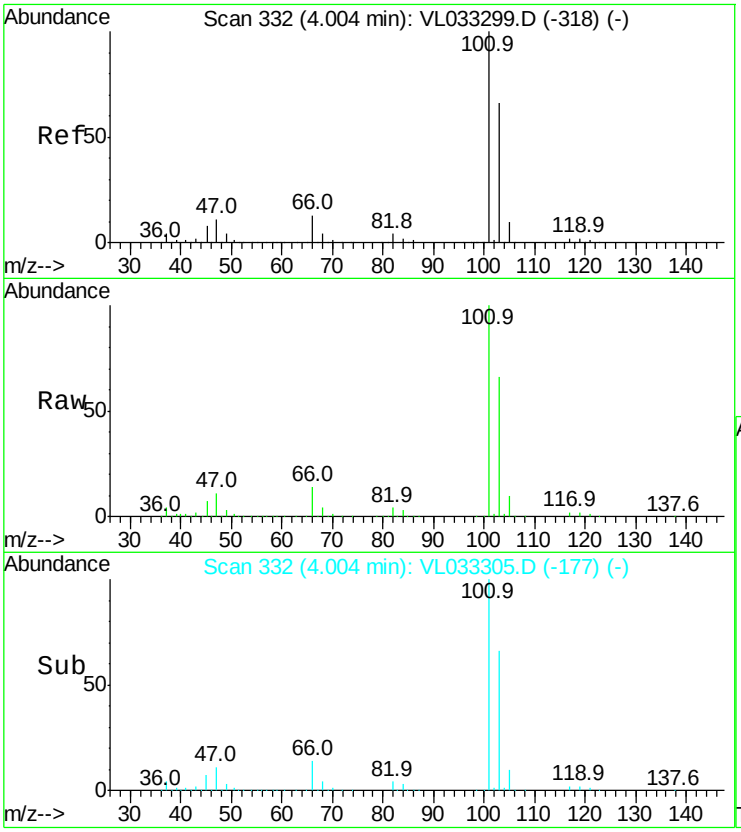


#10
Heptane
Concen: 14.649 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 43 Resp: 1609697

Ion	Ratio	Lower	Upper
43	100		
57	50.0	39.6	59.4



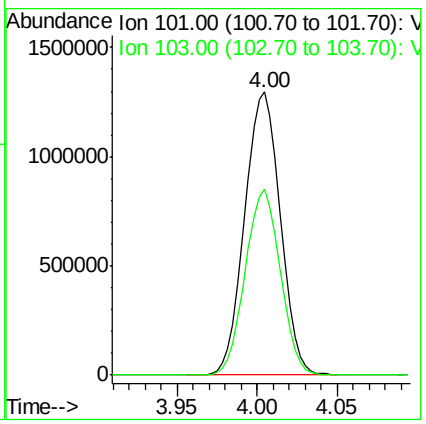


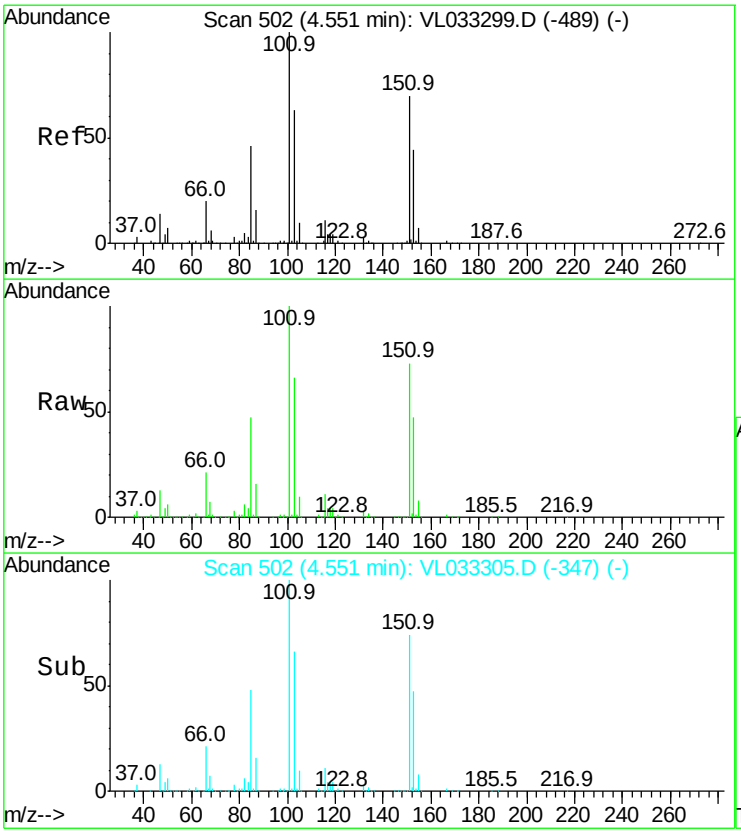
#11
Trichlorofluoromethane
Concen: 13.791 ppbv
RT: 4.00 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 1968108

Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7

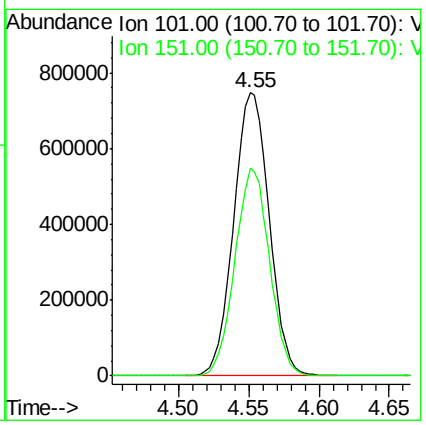


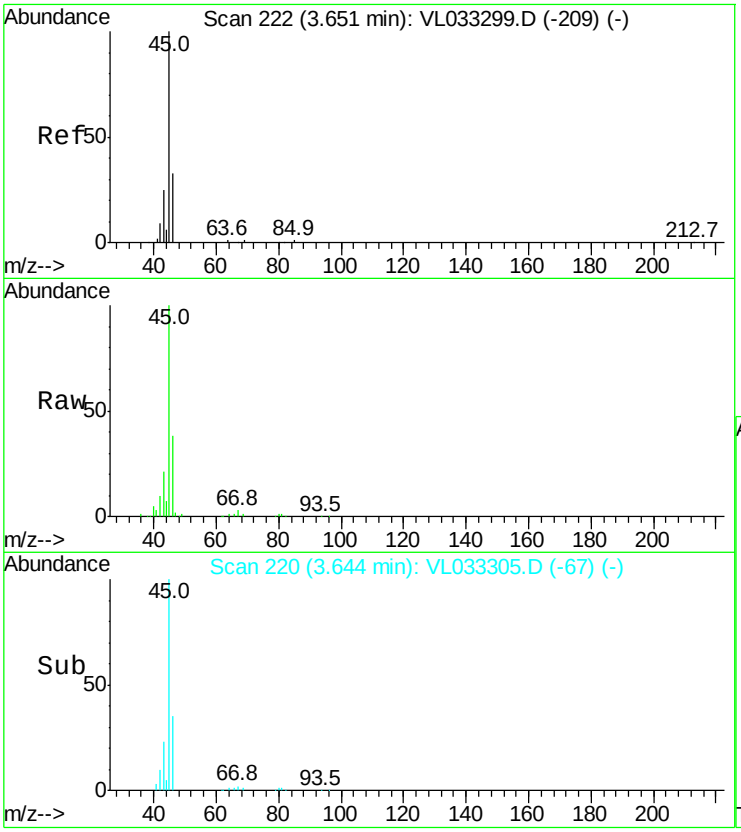


#12
1,1,2-Trichlorotrifluoroethane
Concen: 13.725 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:101 Resp: 1322889

Ion	Ratio	Lower	Upper
101	100		
151	71.5	57.2	85.8



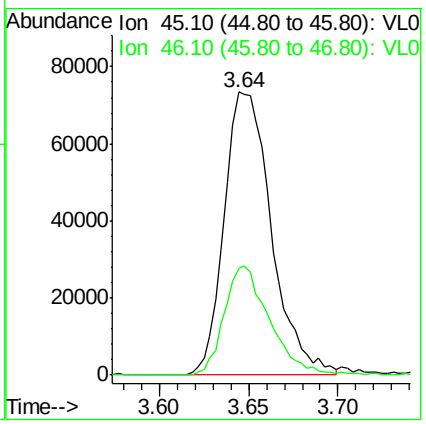


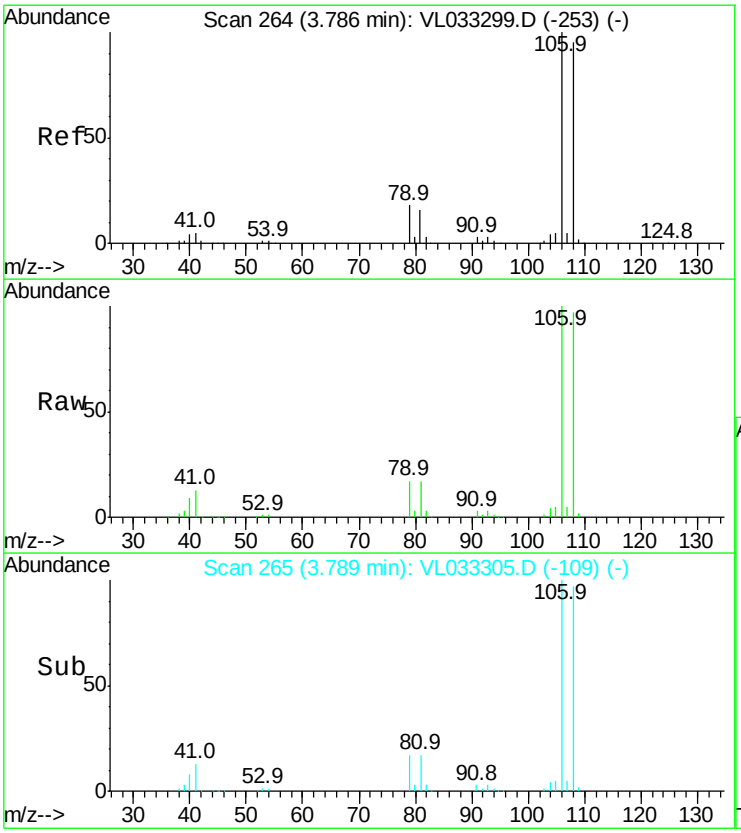
#13
Ethanol
Concen: 9.566 ppbv
RT: 3.64 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 135390

Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.9	59.5

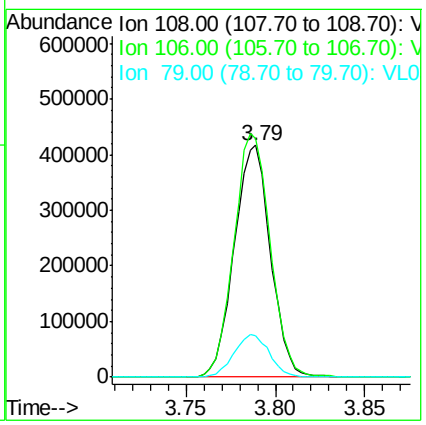


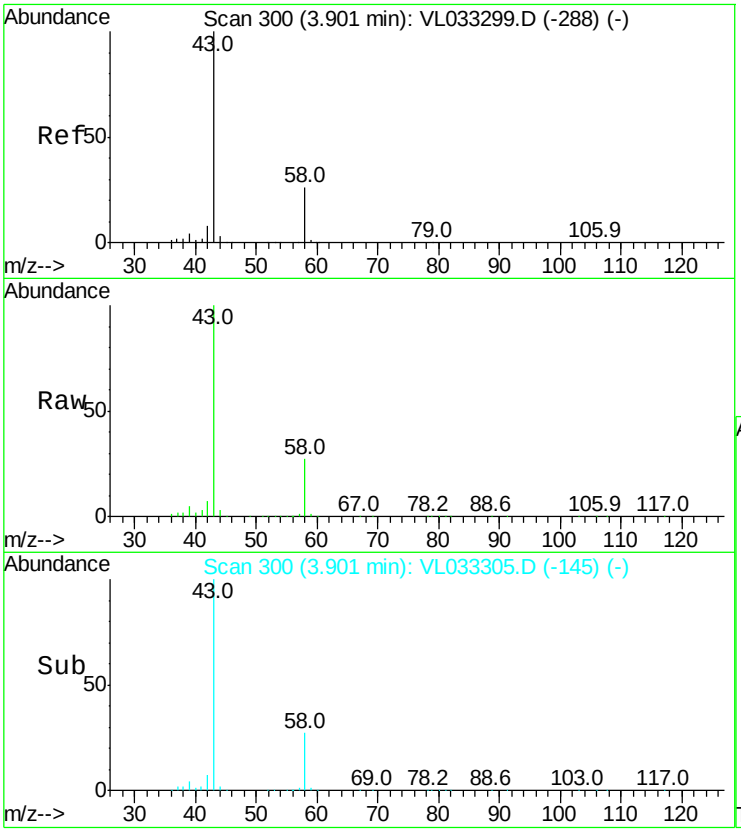


#14
Bromoethene
Concen: 14.899 ppbv
RT: 3.79 min Scan# 265
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:108 Resp: 592481

Ion	Ratio	Lower	Upper
108	100		
106	105.4	85.1	127.7
79	18.4	15.0	22.6



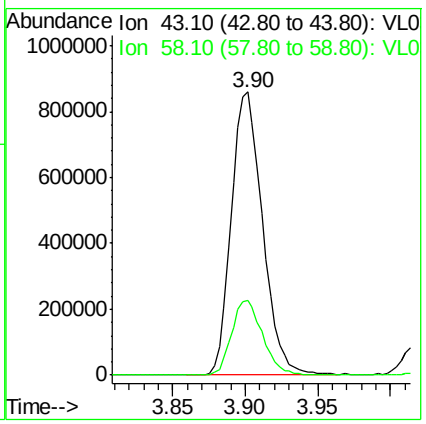


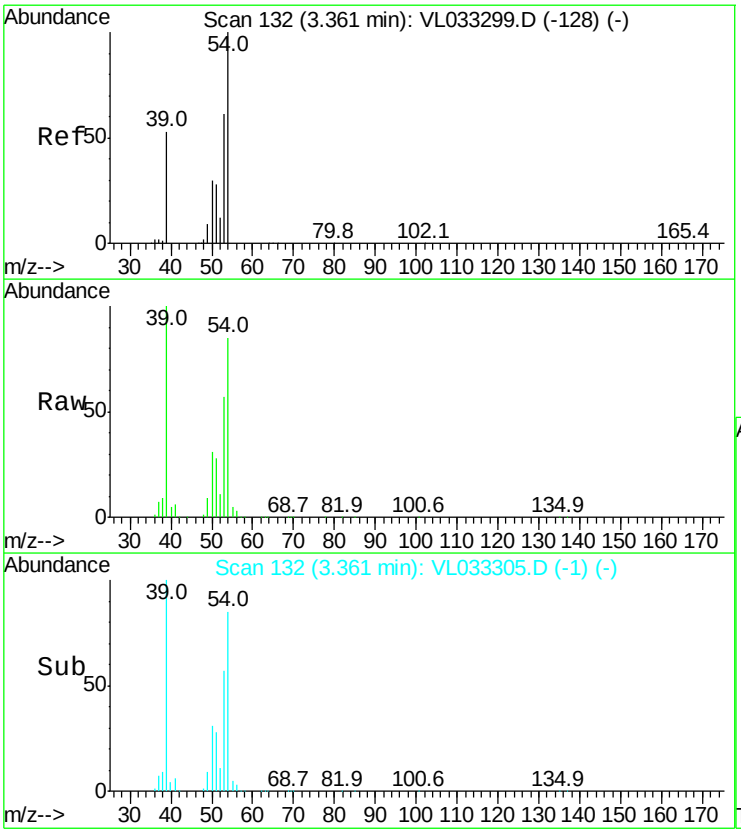
#15
Acetone
Concen: 12.041 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 1286145

Ion	Ratio	Lower	Upper
43	100		
58	26.3	20.6	31.0

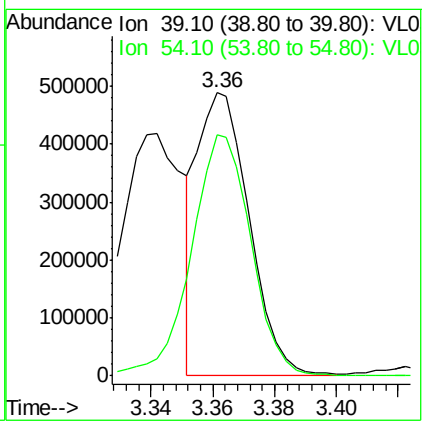


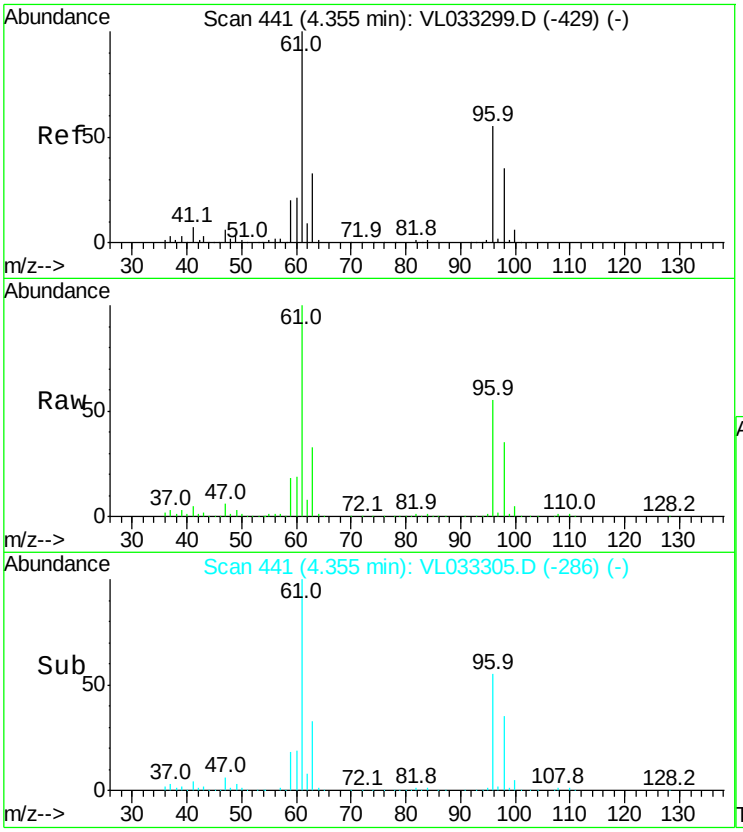


#16
1,3-Butadiene
Concen: 12.781 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 39 Resp: 564372

Ion	Ratio	Lower	Upper
39	100		
54	99.8	68.4	102.6



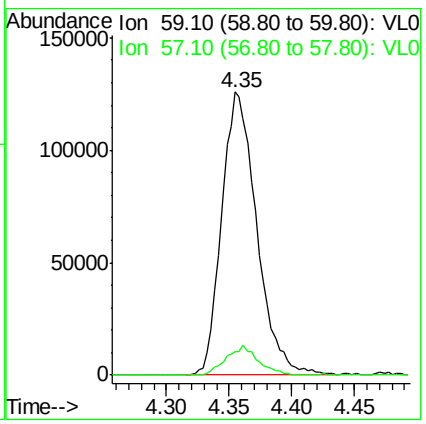


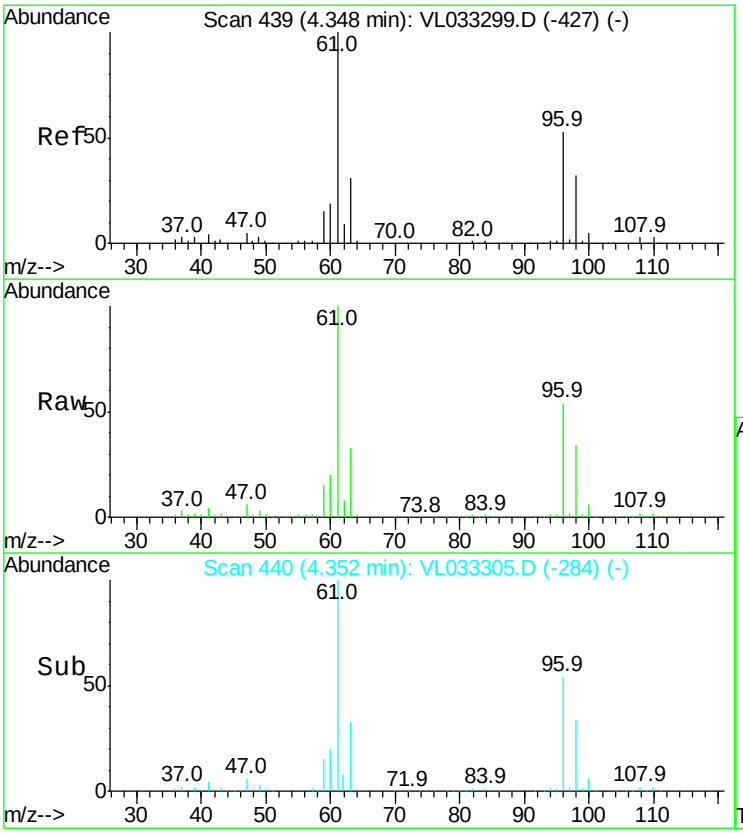
#17
tert-Butyl alcohol
Concen: 13.045 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 243860

Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.4	11.2

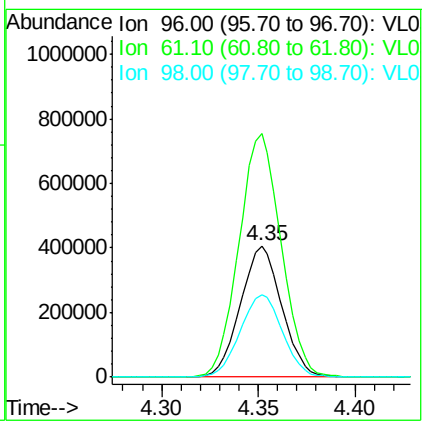


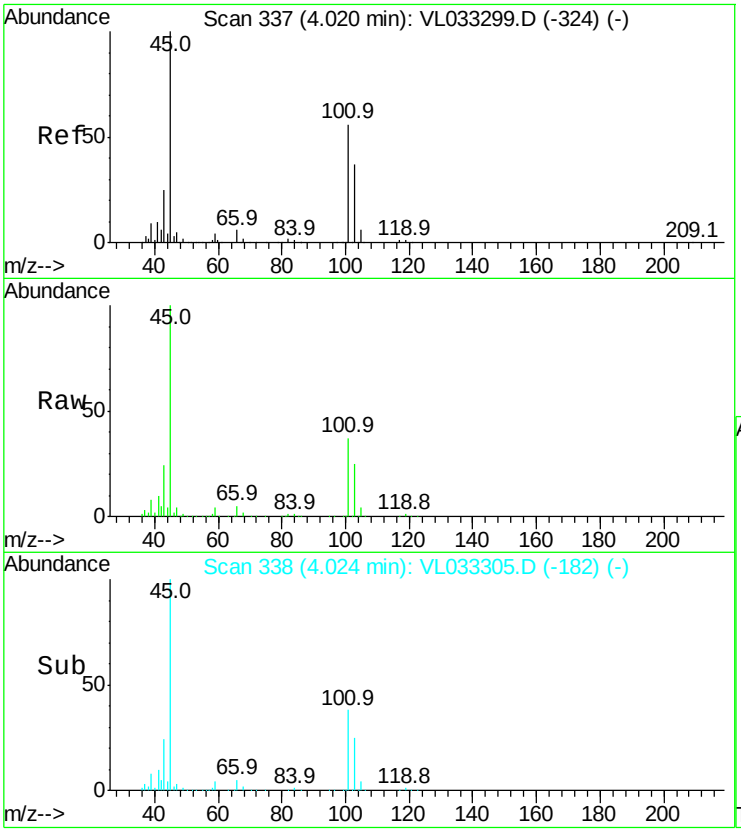


#18
1,1-Dichloroethene
Concen: 14.431 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 96 Resp: 605139

Ion	Ratio	Lower	Upper
96	100		
61	185.5	152.3	228.5
98	63.1	48.6	72.8



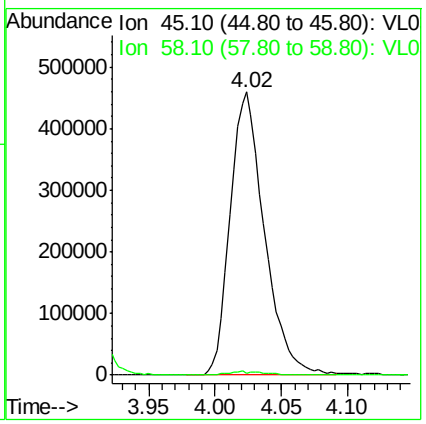


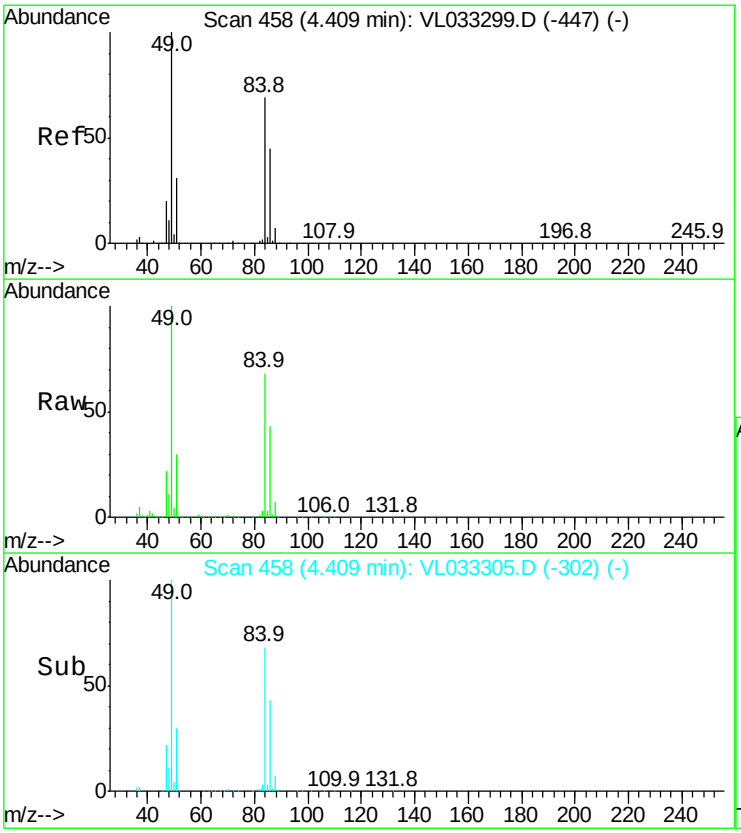
#19
Isopropyl Alcohol
Concen: 12.244 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 826033

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.0

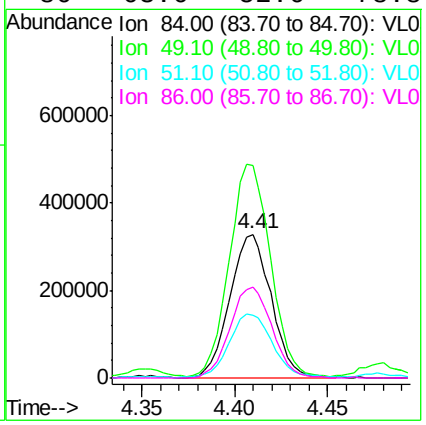


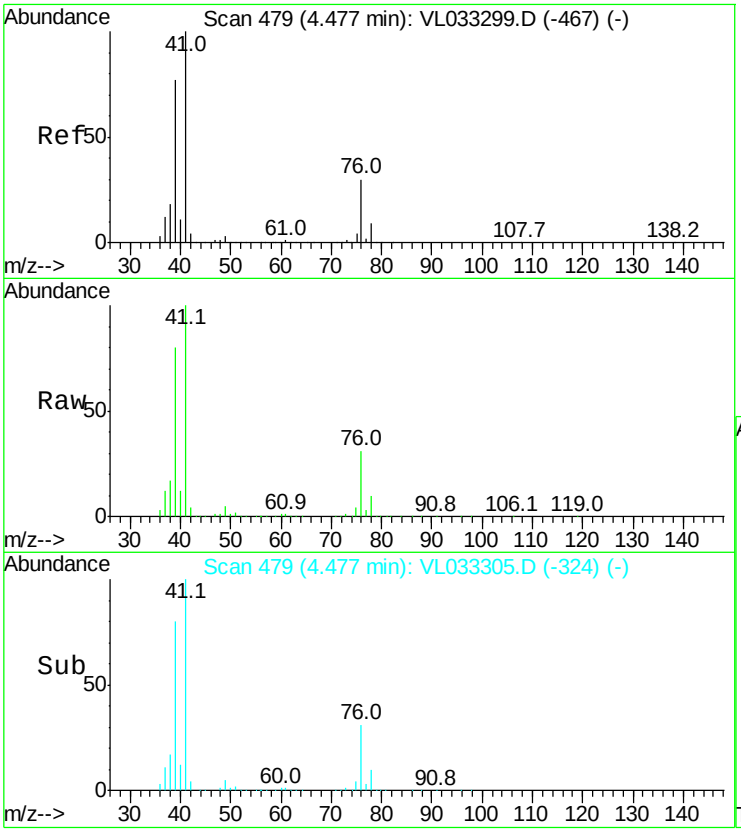


#20
Methylene Chloride
Concen: 11.863 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 84 Resp: 506875

Ion	Ratio	Lower	Upper
84	100		
49	147.5	115.4	173.2
51	43.7	35.7	53.5
86	63.6	52.6	78.8



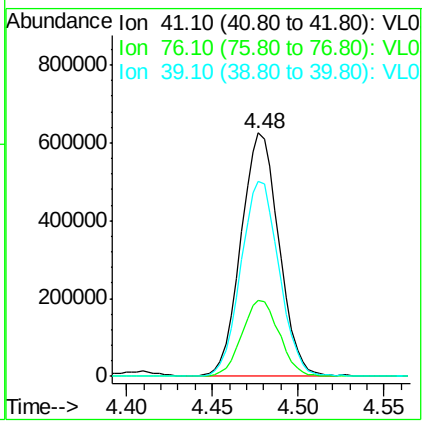


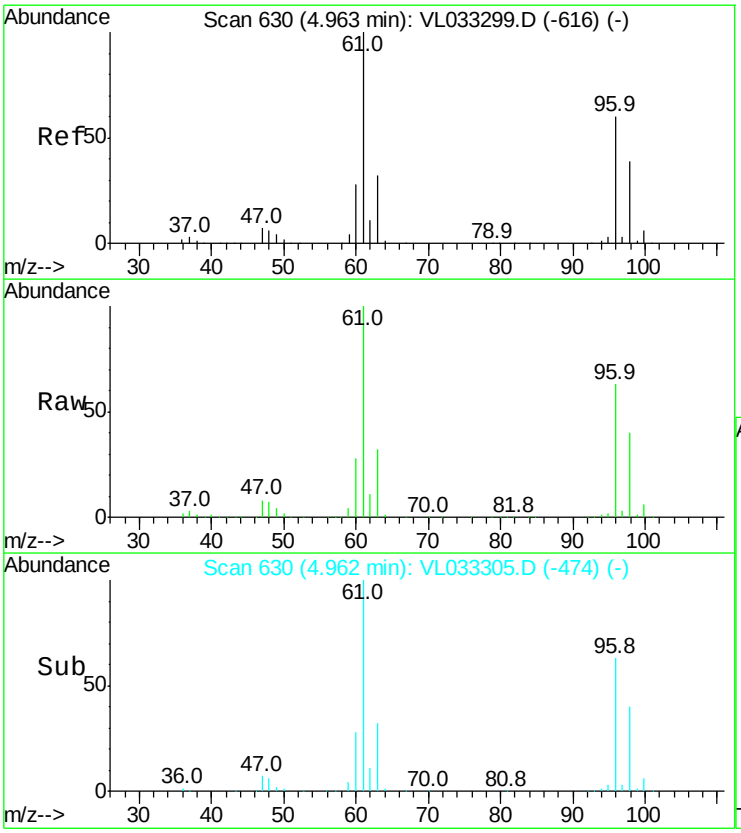
#21
Allyl Chloride
Concen: 15.089 ppbv
RT: 4.48 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 41 Resp: 954803

Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.3	36.5
39	81.2	64.4	96.6

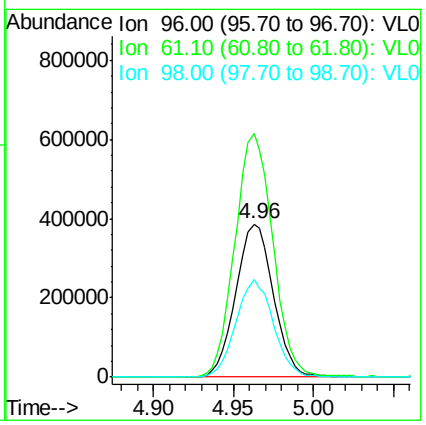


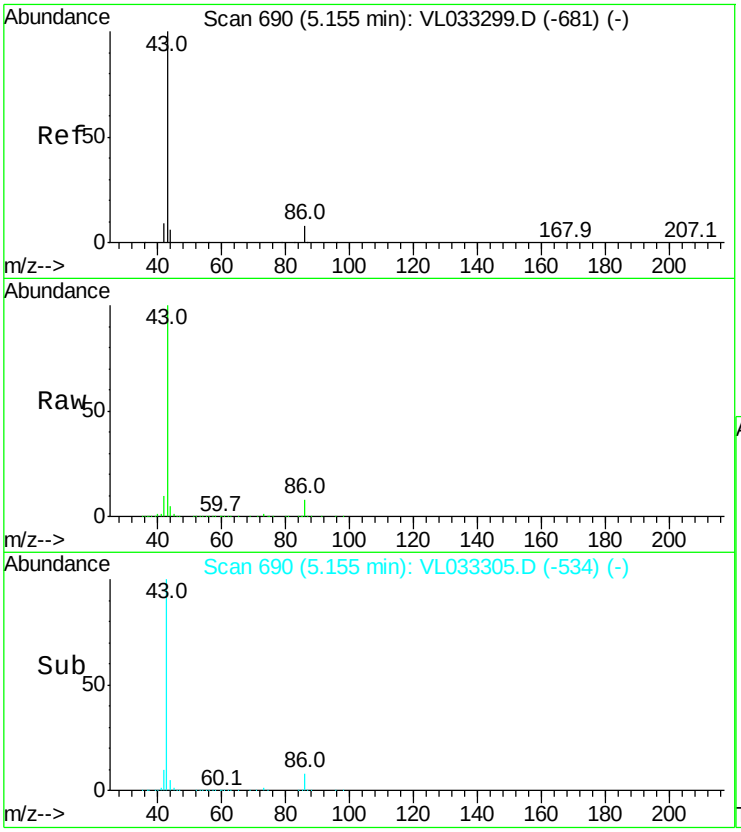


#22
trans-1,2-Dichloroethene
Concen: 14.460 ppbv
RT: 4.96 min Scan# 630
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 96 Resp: 617242

Ion	Ratio	Lower	Upper
96	100		
61	158.9	132.7	199.1
98	63.7	52.4	78.6



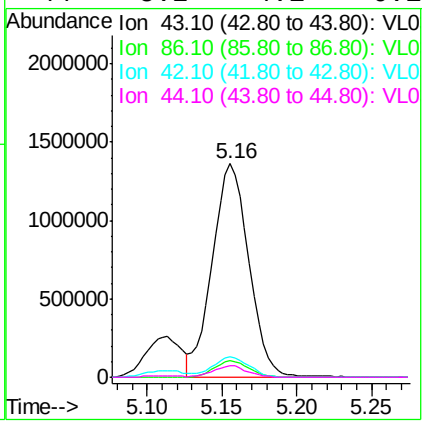


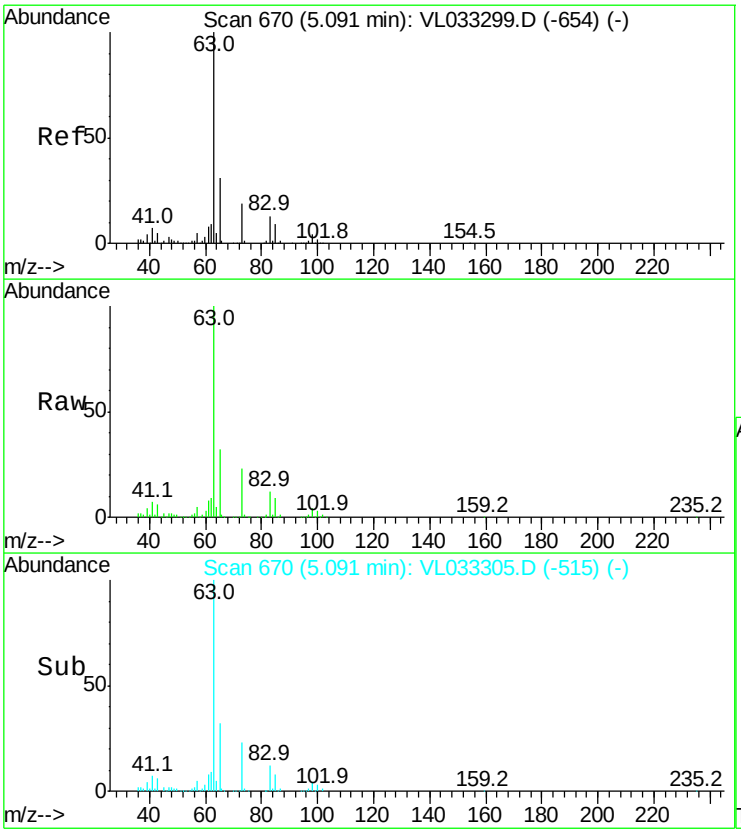
#23
Vinyl Acetate
Concen: 15.364 ppbv
RT: 5.16 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 2307718

Ion	Ratio	Lower	Upper
43	100		
86	7.7	5.8	8.8
42	9.8	7.8	11.8
44	5.2	4.1	6.1

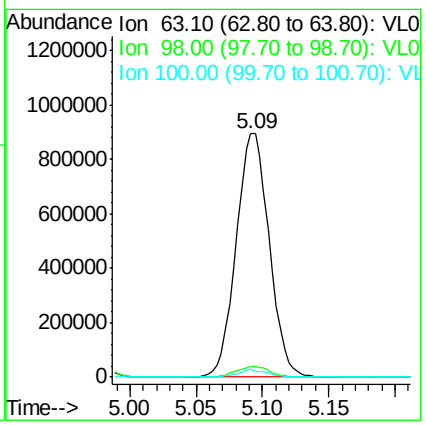


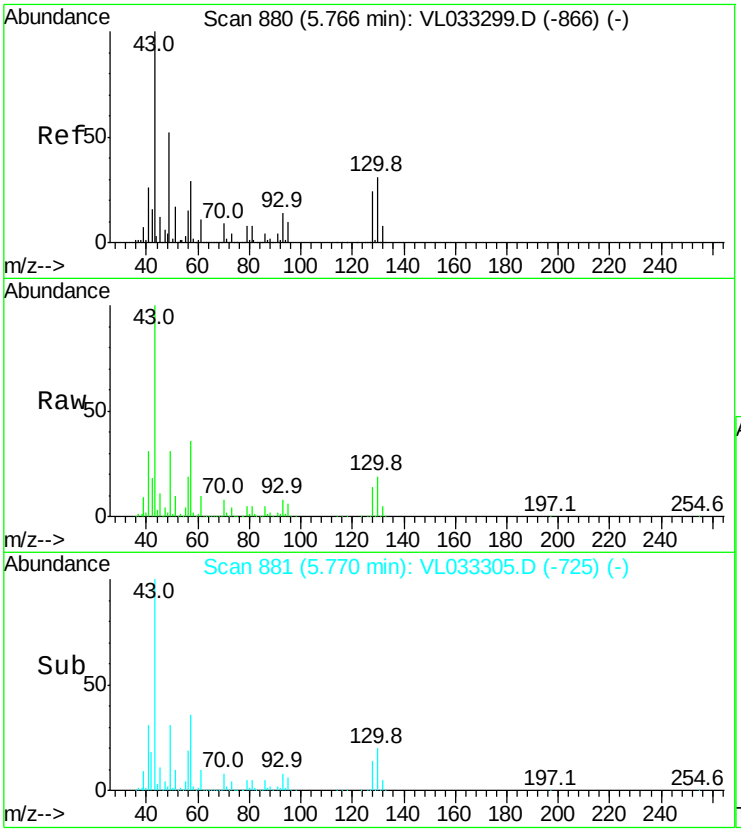


#24
1,1-Dichloroethane
Concen: 14.164 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 63 Resp: 1545806

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.3	6.8
100	3.1	1.3	3.8



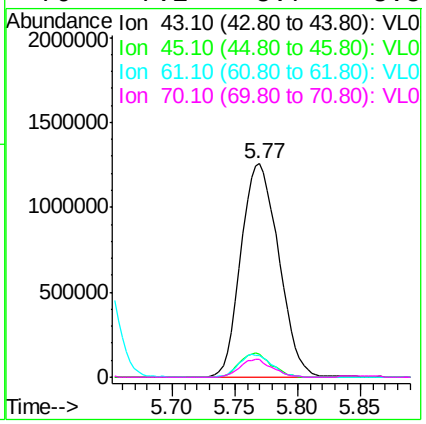


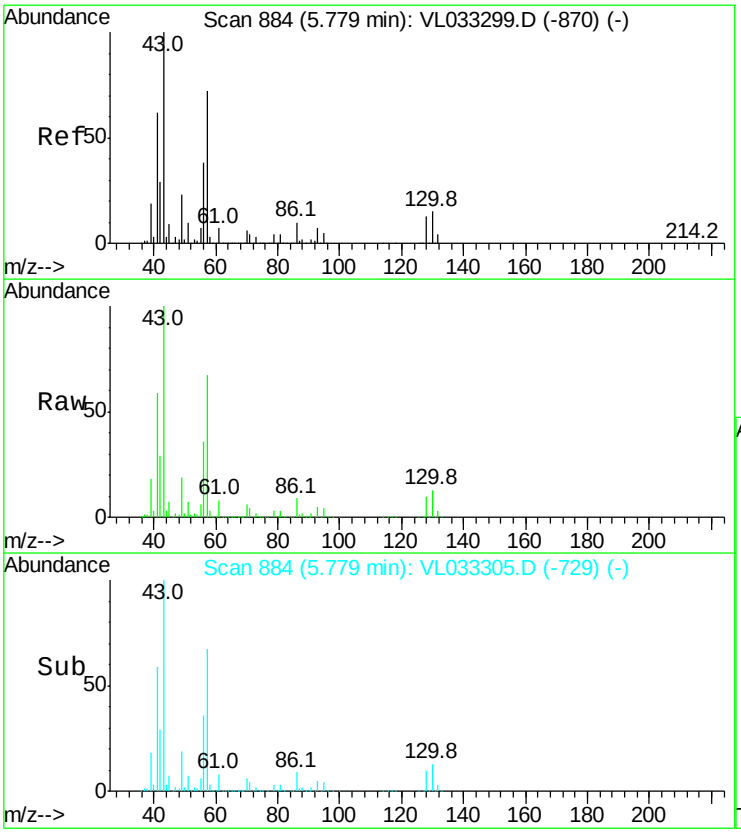
#25
Ethyl Acetate
Concen: 13.764 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 2633002

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.7	7.5	11.3
70	7.2	5.7	8.5

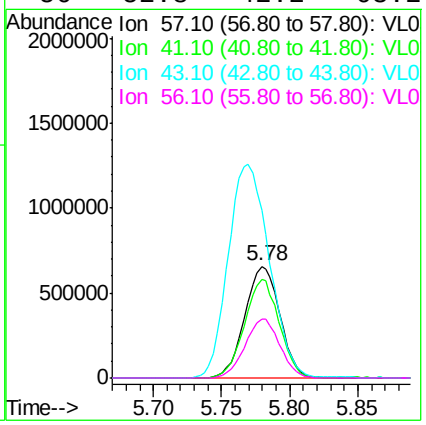


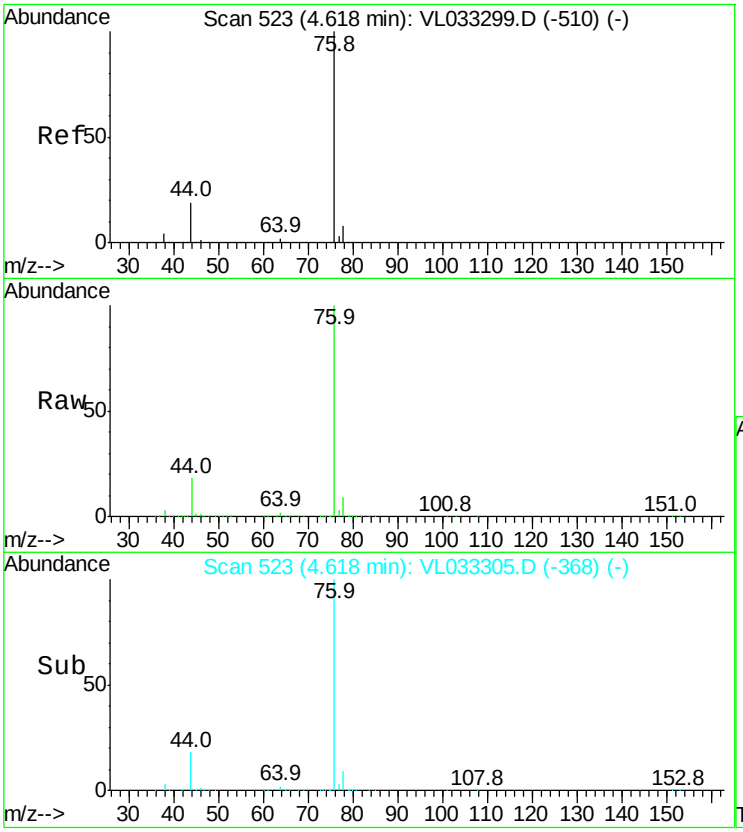


#26
Hexane
Concen: 13.065 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 57 Resp: 1172504

Ion	Ratio	Lower	Upper
57	100		
41	87.8	71.6	107.4
43	225.6	179.2	268.8
56	52.8	42.2	63.2



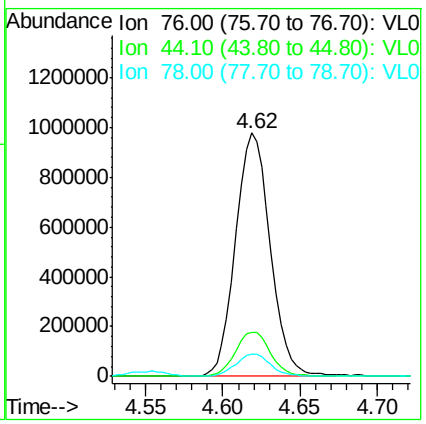


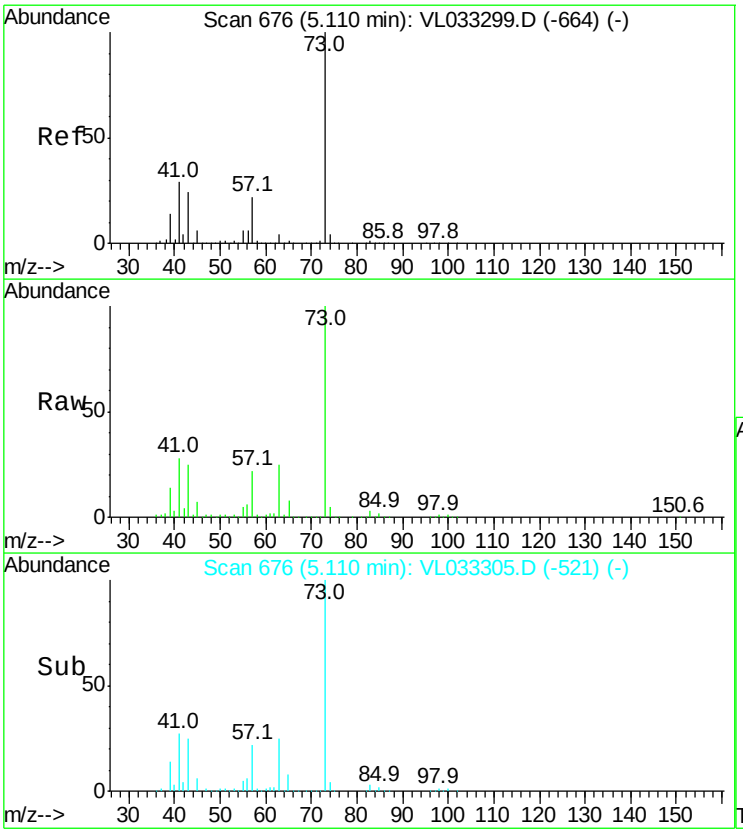
#27
Carbon Disulfide
Concen: 16.025 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 1527444

Ion	Ratio	Lower	Upper
76	100		
44	18.5	14.7	22.1
78	9.2	7.3	10.9

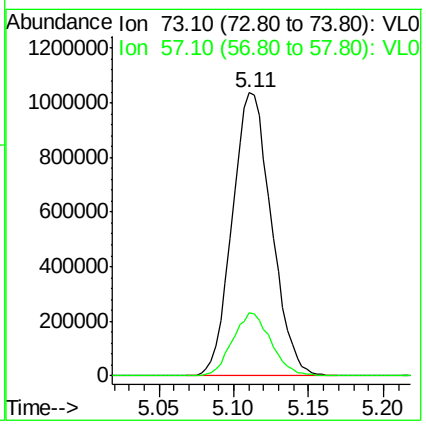


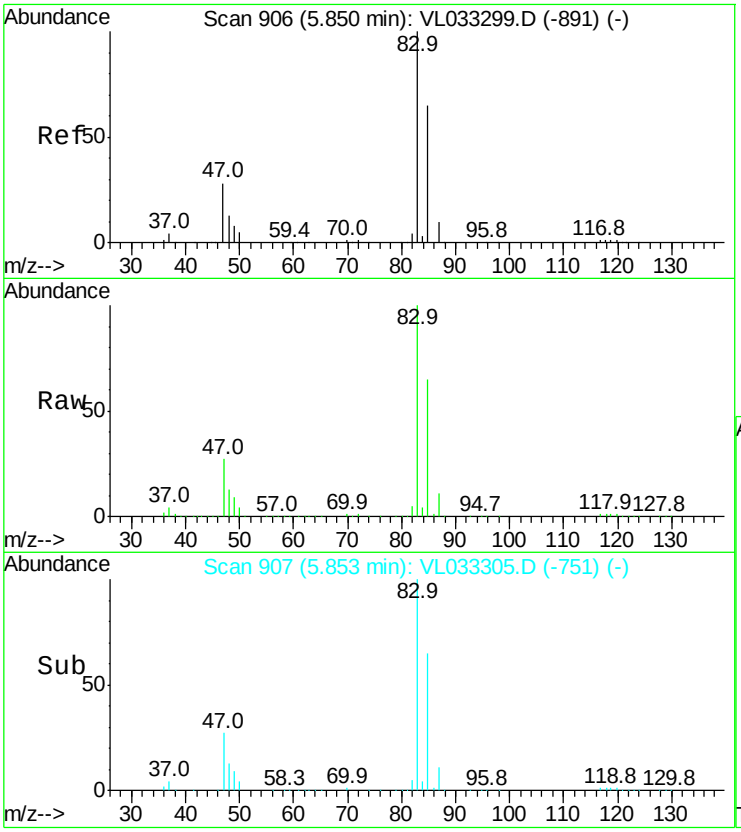


#28
Methyl tert-Butyl Ether
Concen: 15.061 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 73 Resp: 1890962

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.4	26.0



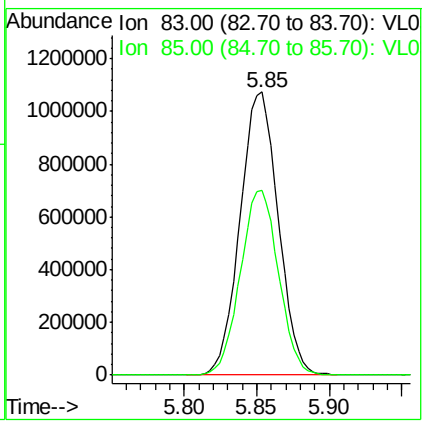


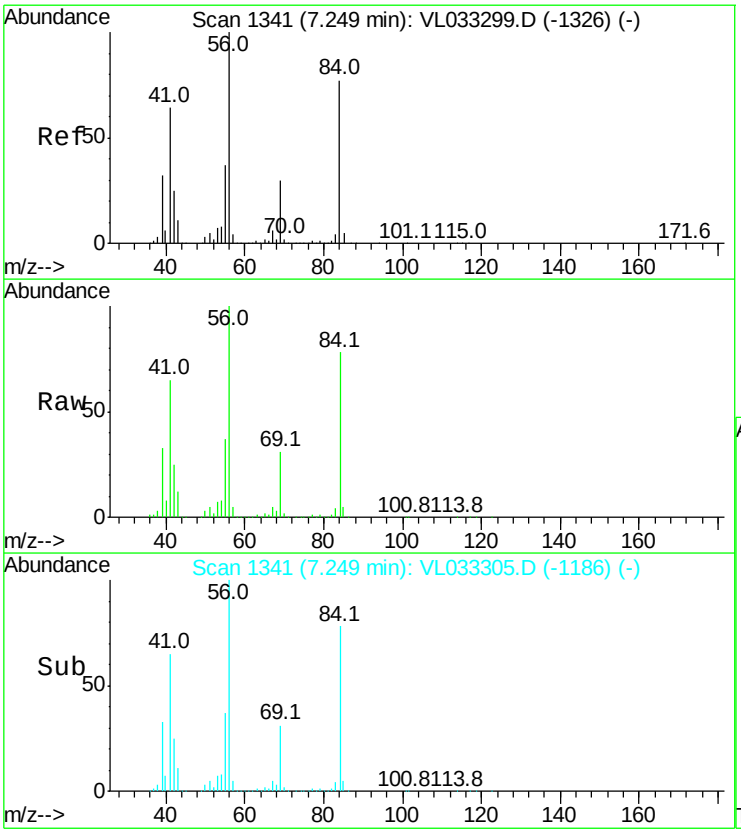
#29
Chloroform
Concen: 14.151 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 1968048

Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.4

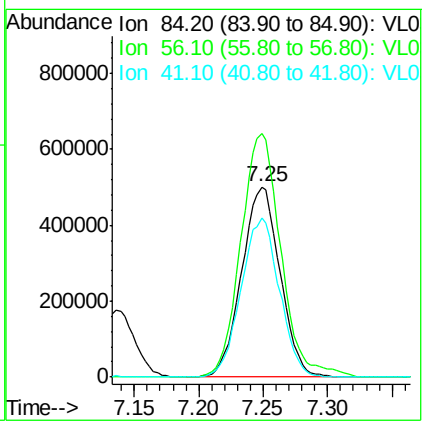


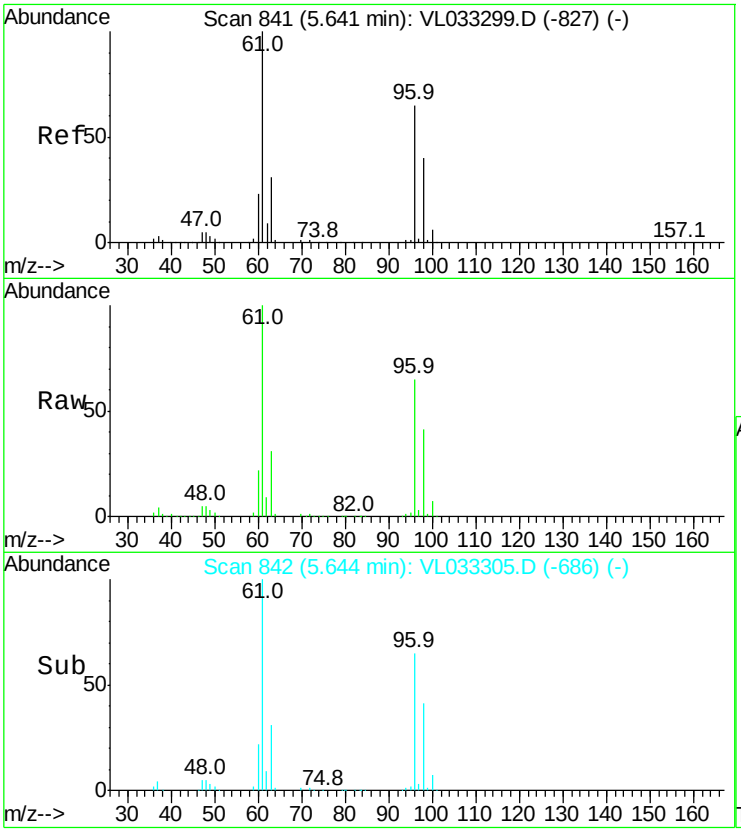


#30
Cyclohexane
Concen: 15.156 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 84 Resp: 1038087

Ion	Ratio	Lower	Upper
84	100		
56	134.1	109.8	164.8
41	83.6	68.1	102.1



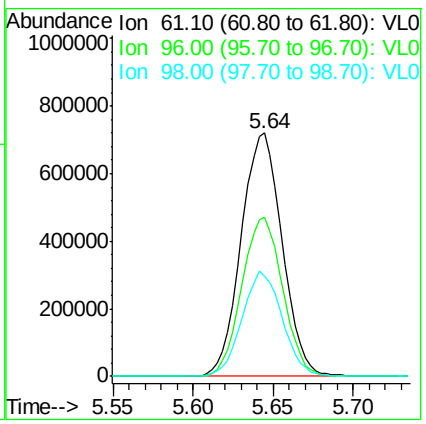


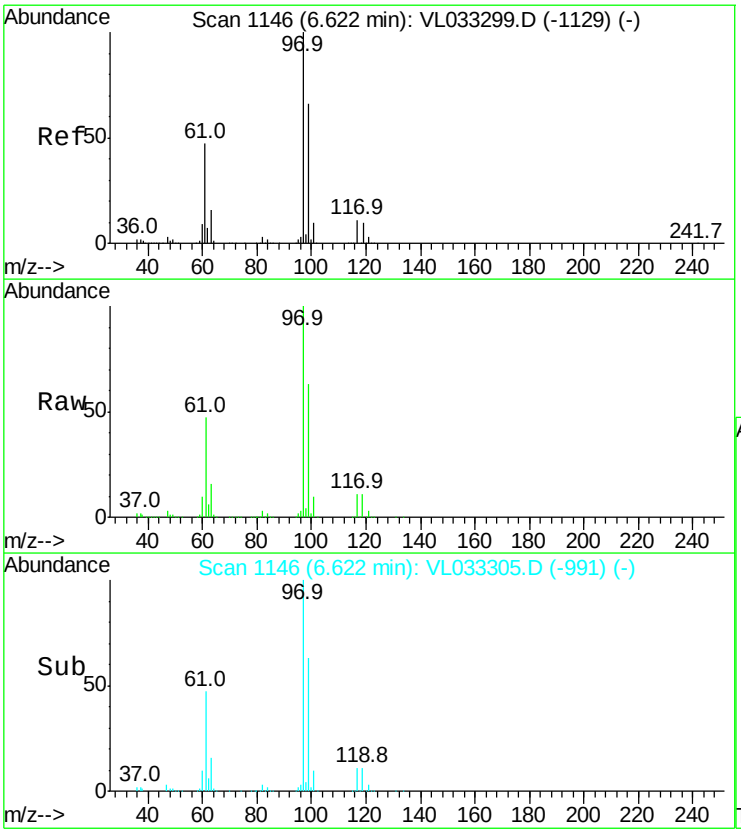
#31
cis-1,2-Dichloroethene
Concen: 14.783 ppbv
RT: 5.64 min Scan# 842
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 1258353

Ion	Ratio	Lower	Upper
61	100		
96	65.3	51.8	77.6
98	41.4	32.3	48.5

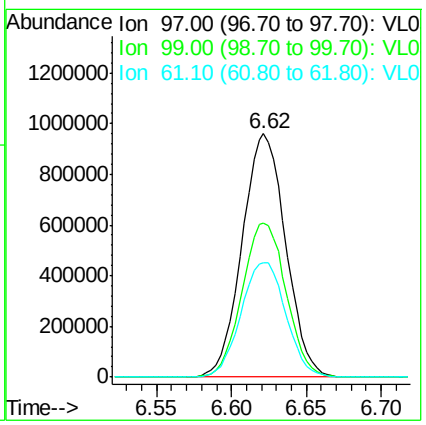


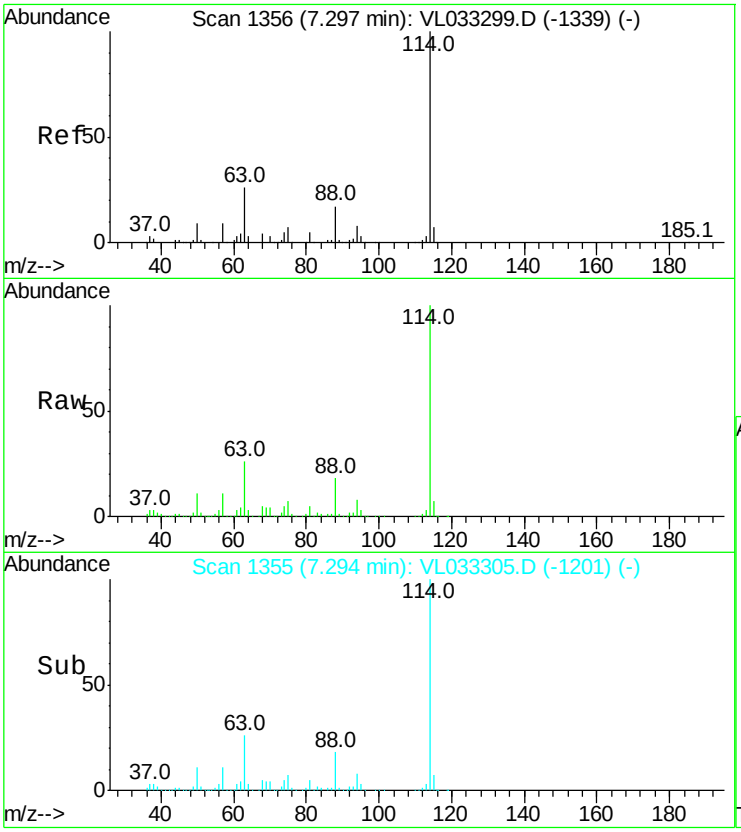


#32
1,1,1-Trichloroethane
Concen: 14.272 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 97 Resp: 1939215

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	48.7	39.4	59.2



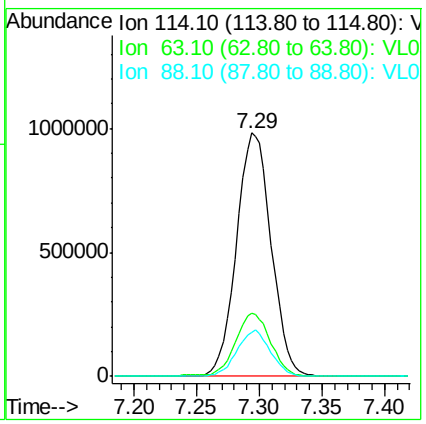


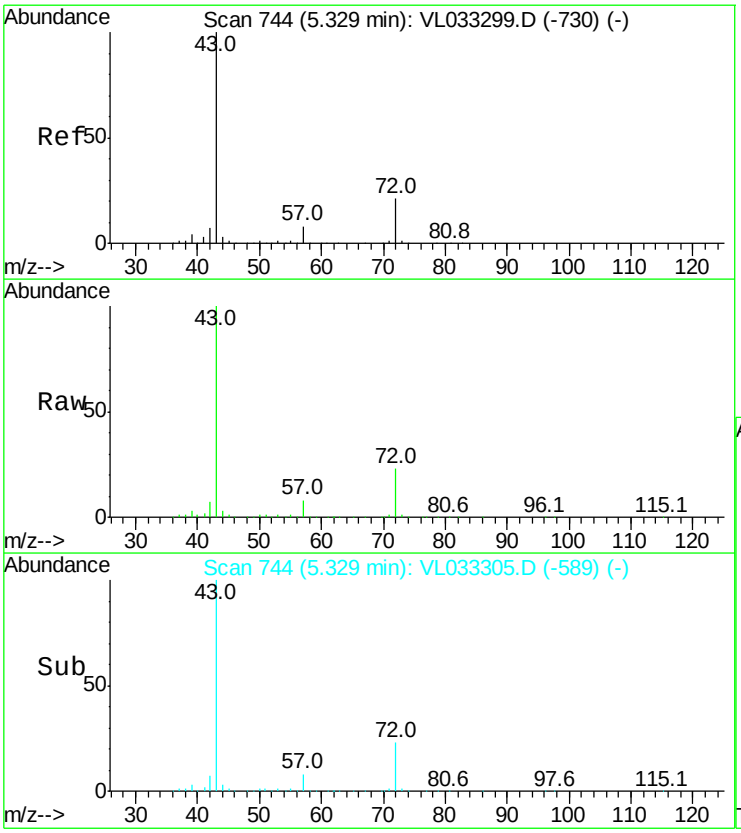
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:114 Resp: 1885199

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.3	31.9
88	18.3	14.5	21.7

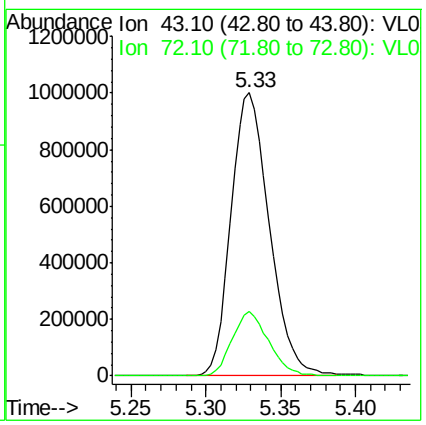


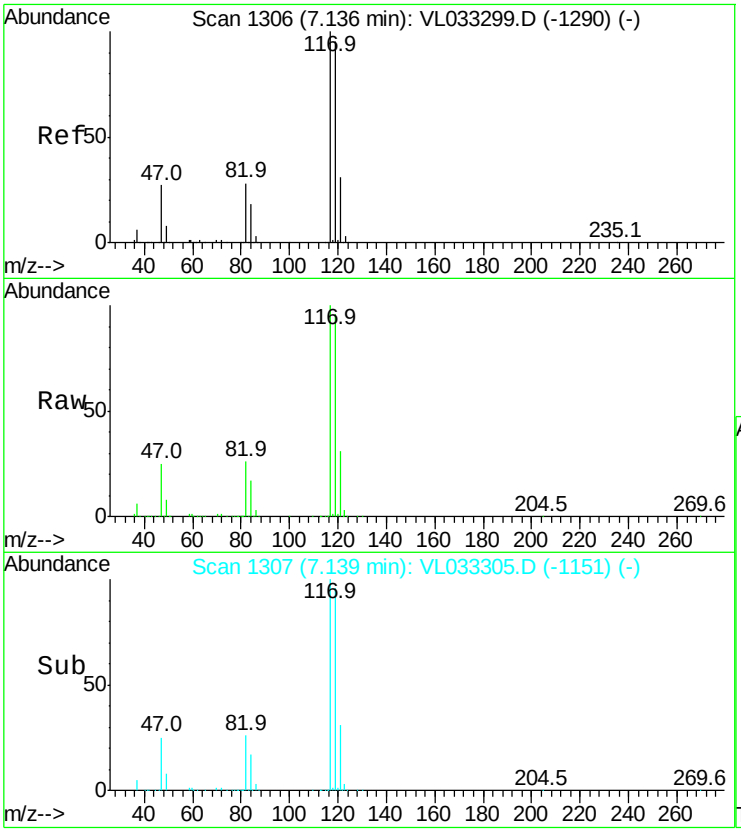


#34
2-Butanone
Concen: 13.852 ppbv
RT: 5.33 min Scan# 744
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 43 Resp: 1780701

Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.2	25.8



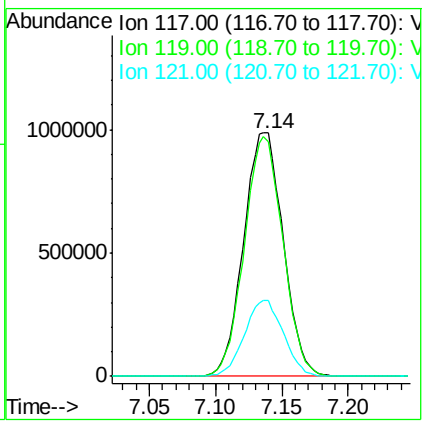


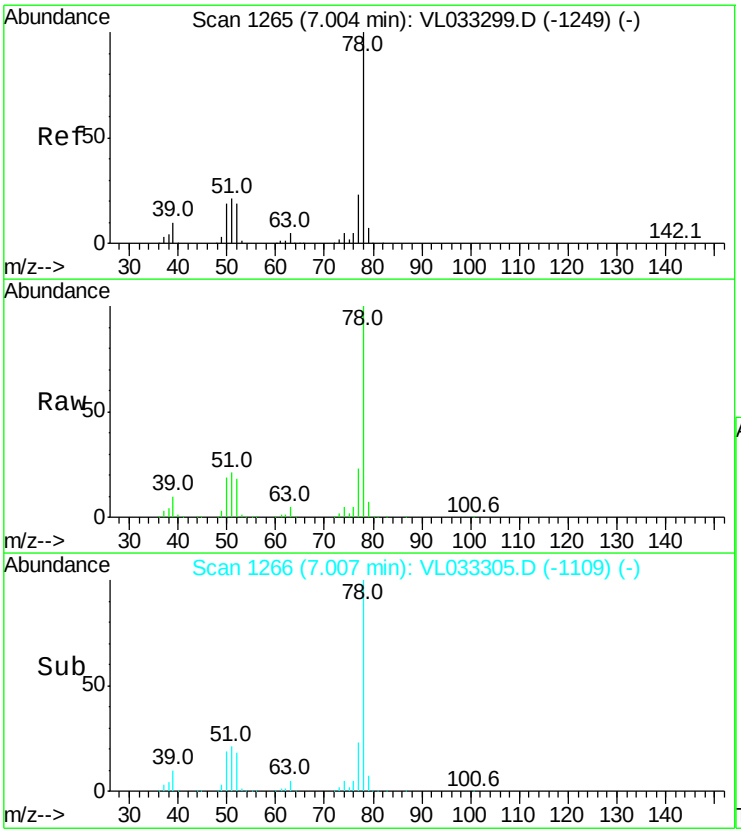
#35
Carbon Tetrachloride
Concen: 14.217 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:117 Resp: 2055843

Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.9	113.9
121	31.4	25.2	37.8

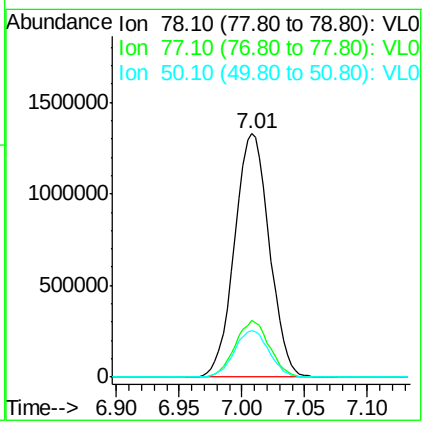


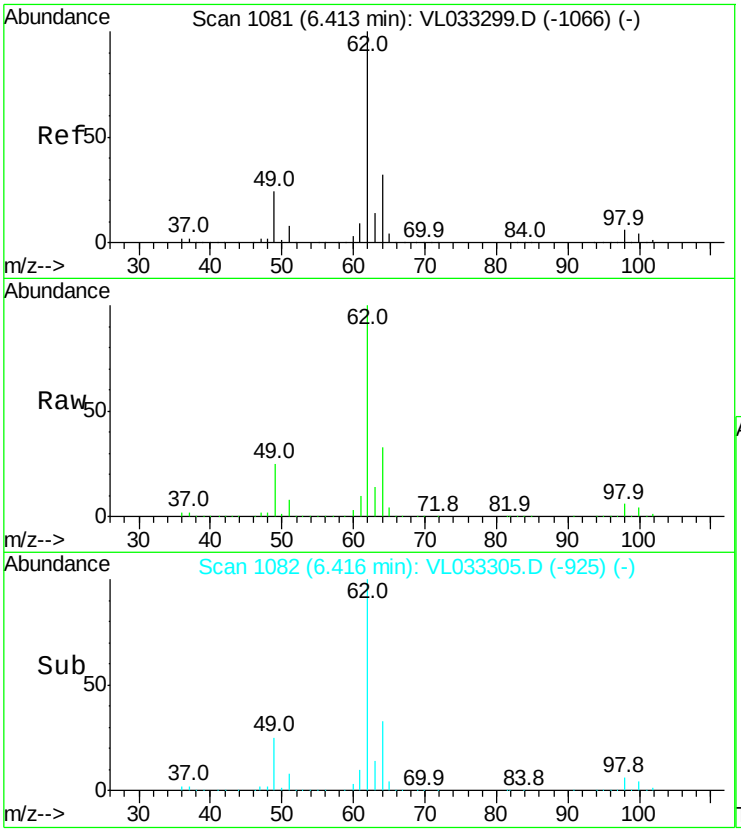


#36
Benzene
Concen: 14.030 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 78 Resp: 2564421

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	28.0
50	19.1	15.2	22.8



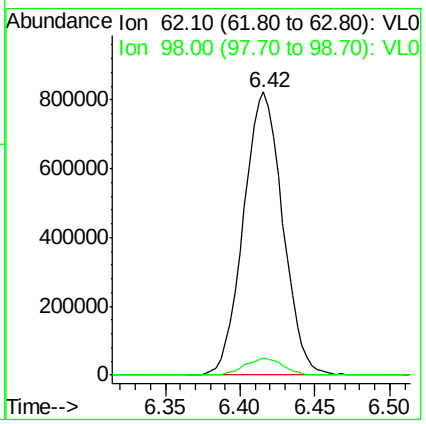


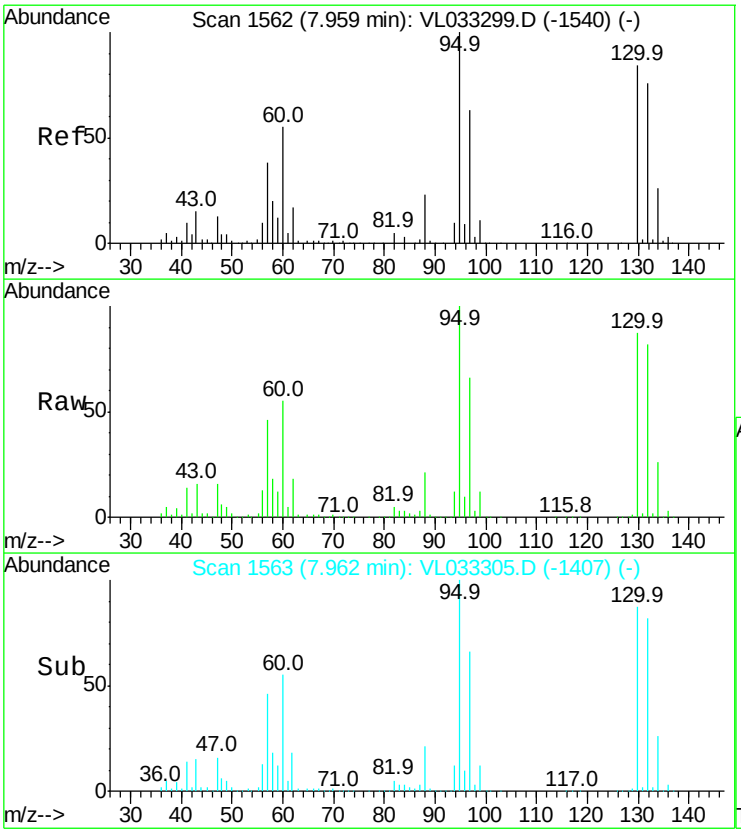
#37
1,2-Dichloroethane
Concen: 13.463 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 1502198

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.4	6.6

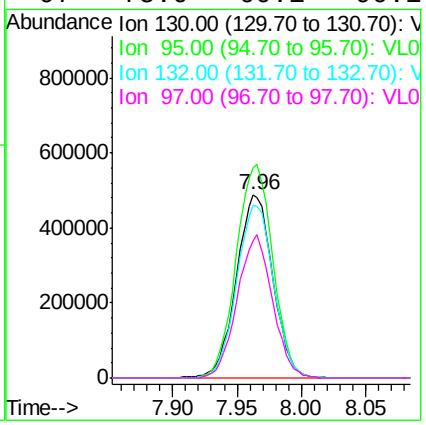


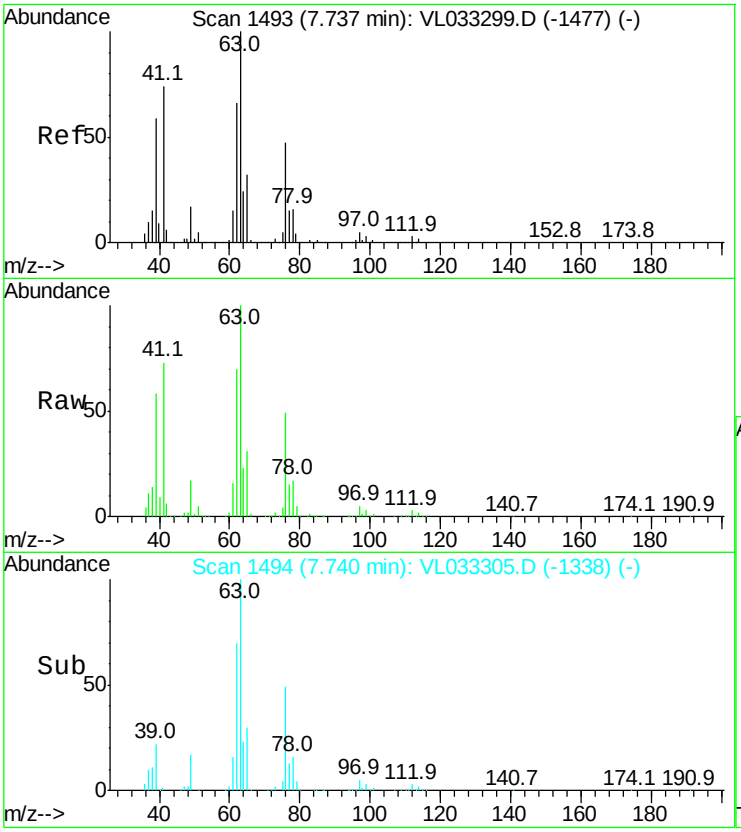


#38
Trichloroethene
Concen: 13.048 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:130 Resp: 953884

Ion	Ratio	Lower	Upper
130	100		
95	114.4	95.2	142.8
132	94.2	72.5	108.7
97	75.0	60.1	90.1



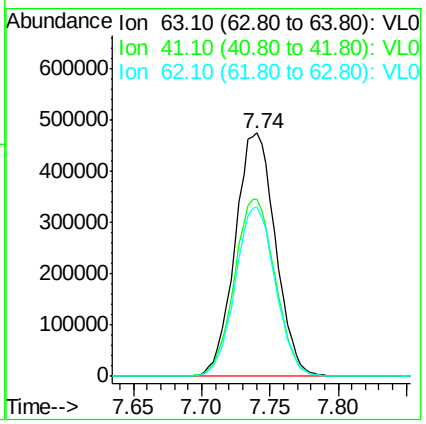


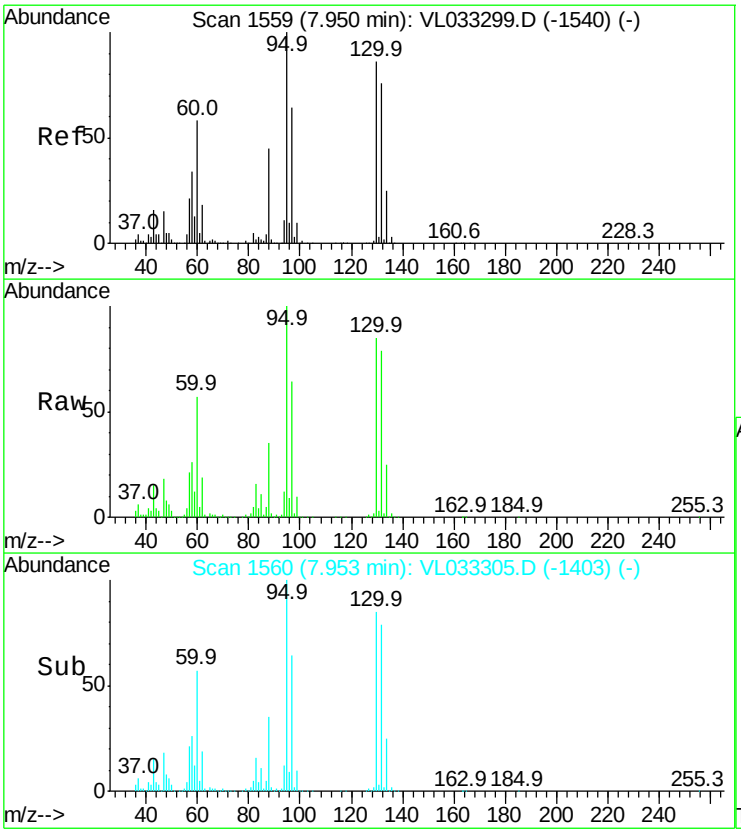
#39
1,2-Dichloropropane
Concen: 13.845 ppbv
RT: 7.74 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 63 Resp: 974745

Ion	Ratio	Lower	Upper
63	100		
41	72.8	59.0	88.4
62	69.6	53.0	79.4

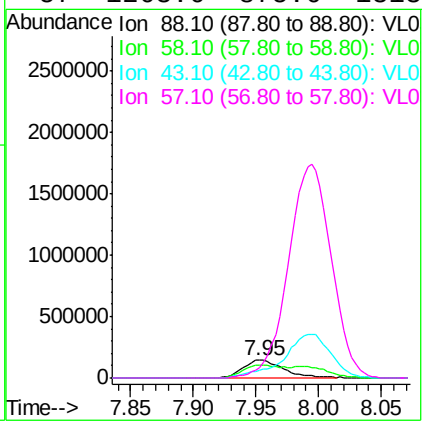


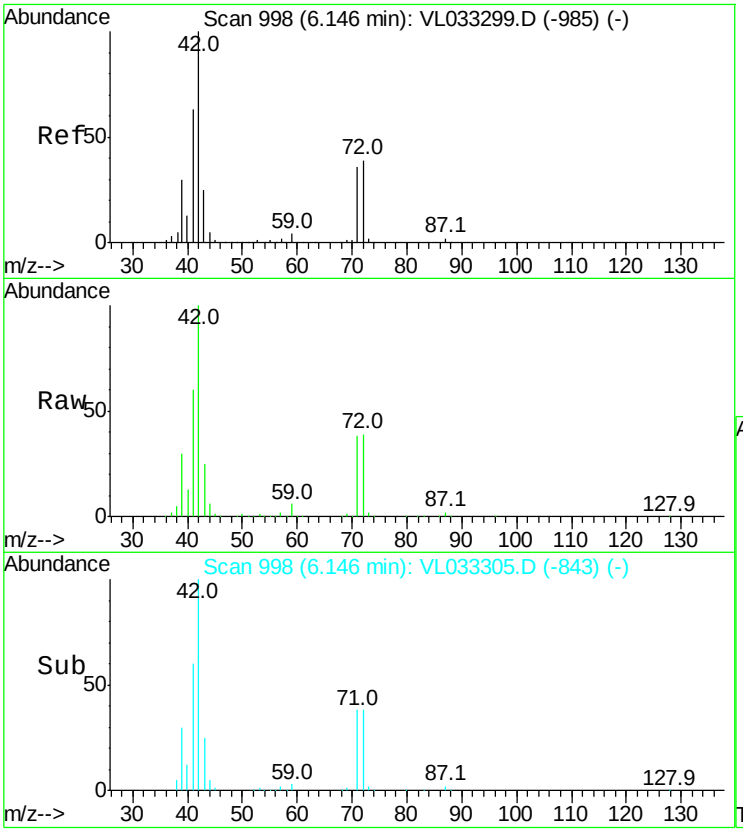


#40
1,4-Dioxane
Concen: 12.234 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 88 Resp: 328577

Ion	Ratio	Lower	Upper
88	100		
58	130.3	97.7	146.5
43	281.3	199.4	299.2
57	1263.6	875.6	1313.4



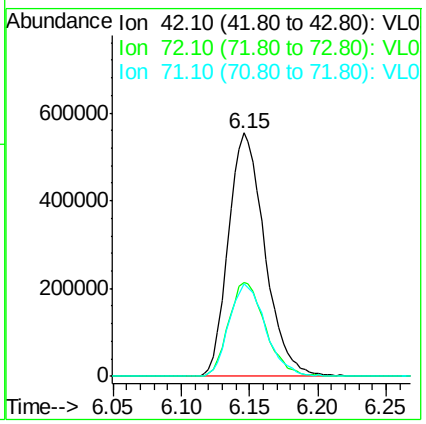


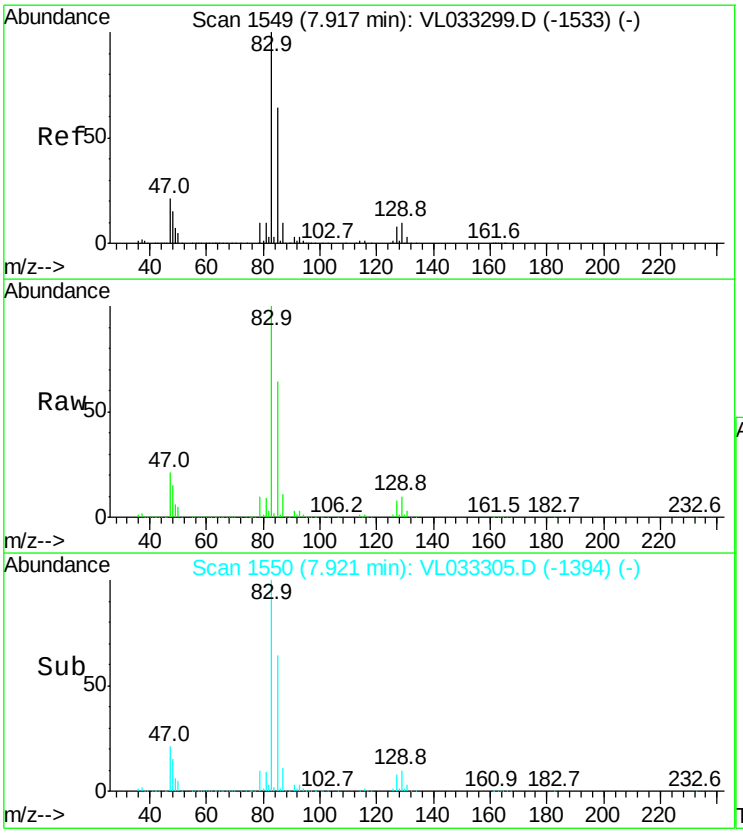
#41
Tetrahydrofuran
Concen: 14.308 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 1027339

Ion	Ratio	Lower	Upper
42	100		
72	39.3	30.8	46.2
71	38.2	30.0	45.0

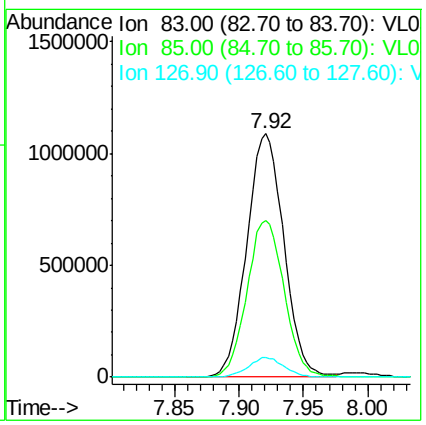


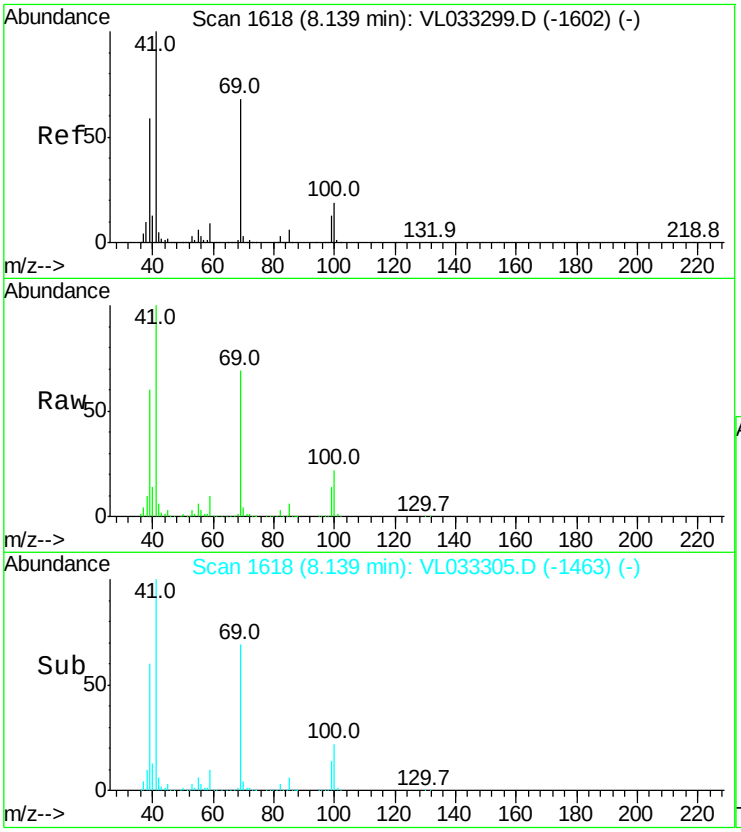


#42
Bromodichloromethane
Concen: 14.153 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 83 Resp: 2187659

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4
127	8.0	6.6	10.0



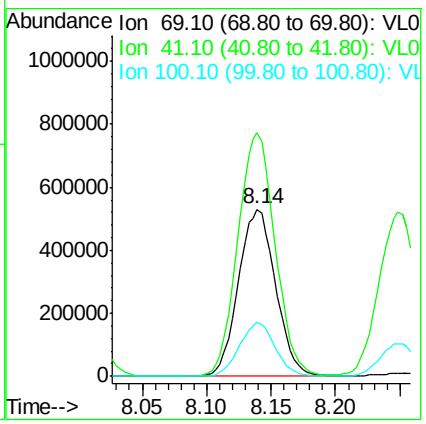


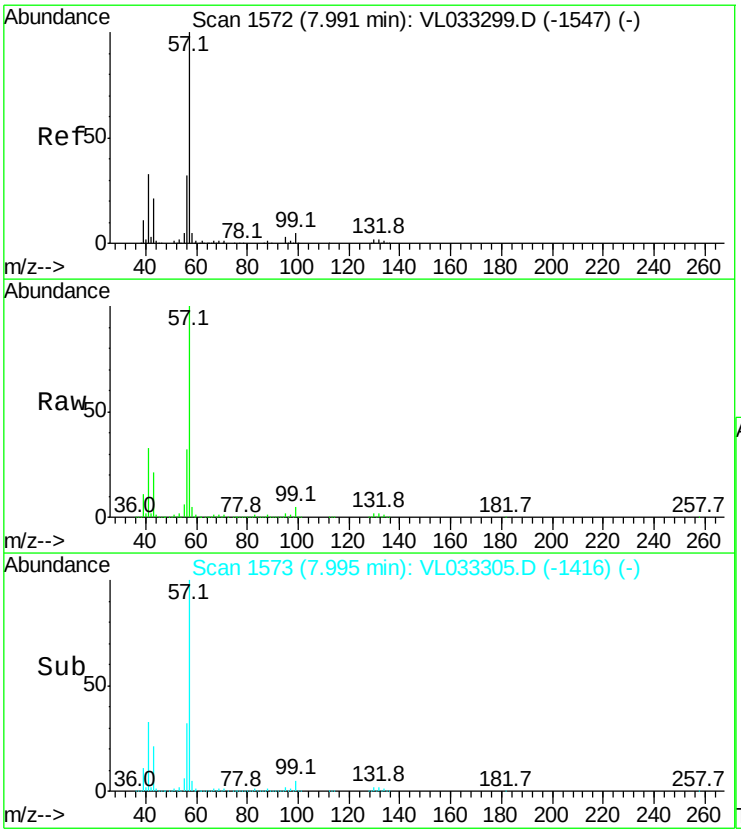
#43
Methyl Methacrylate
Concen: 14.561 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 1063296

Ion	Ratio	Lower	Upper
69	100		
41	145.9	117.0	175.4
100	31.2	24.3	36.5

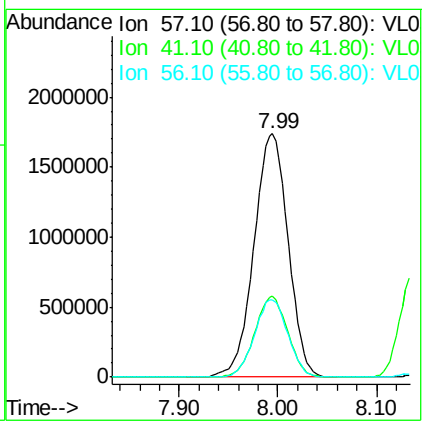


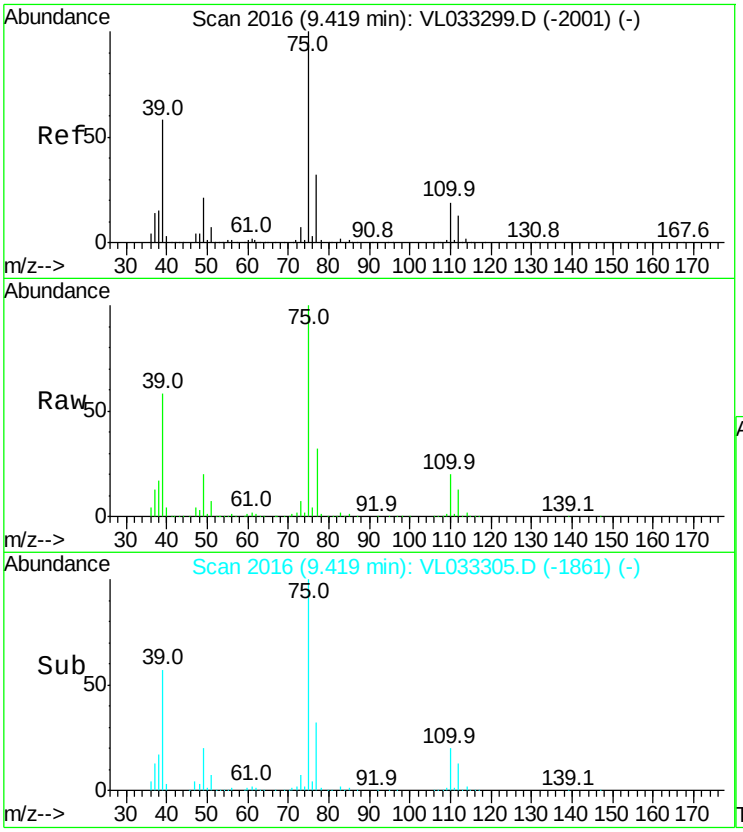


#44
2,2,4-Trimethylpentane
Concen: 13.106 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 57 Resp: 4147826

Ion	Ratio	Lower	Upper
57	100		
41	32.1	25.9	38.9
56	31.0	24.6	36.8



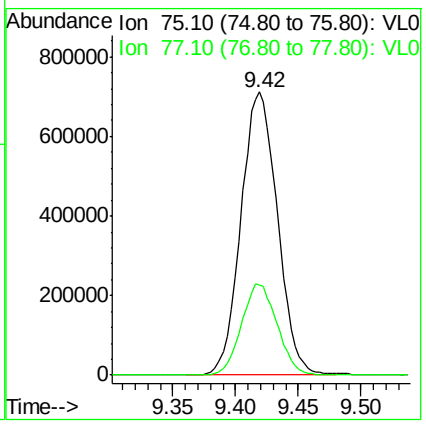


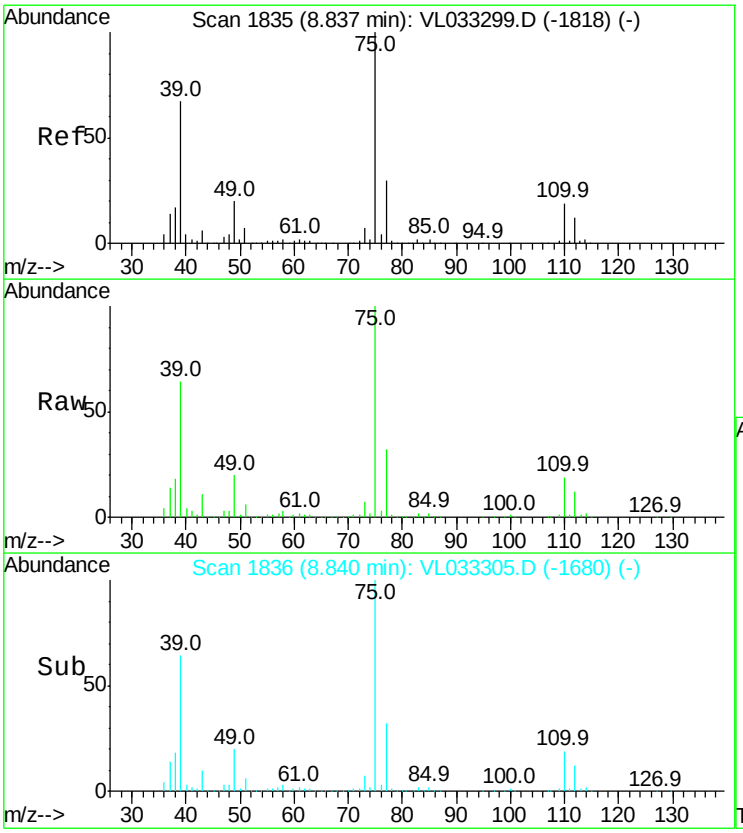
#45
t-1,3-Dichloropropene
Concen: 16.891 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 1438058

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9

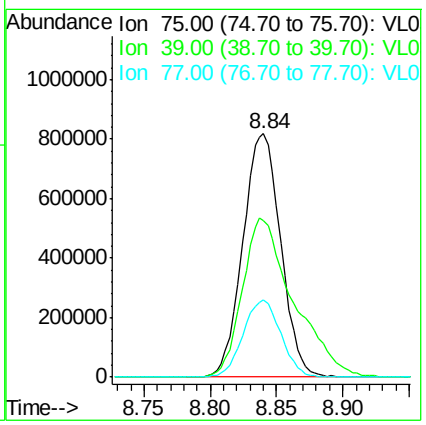


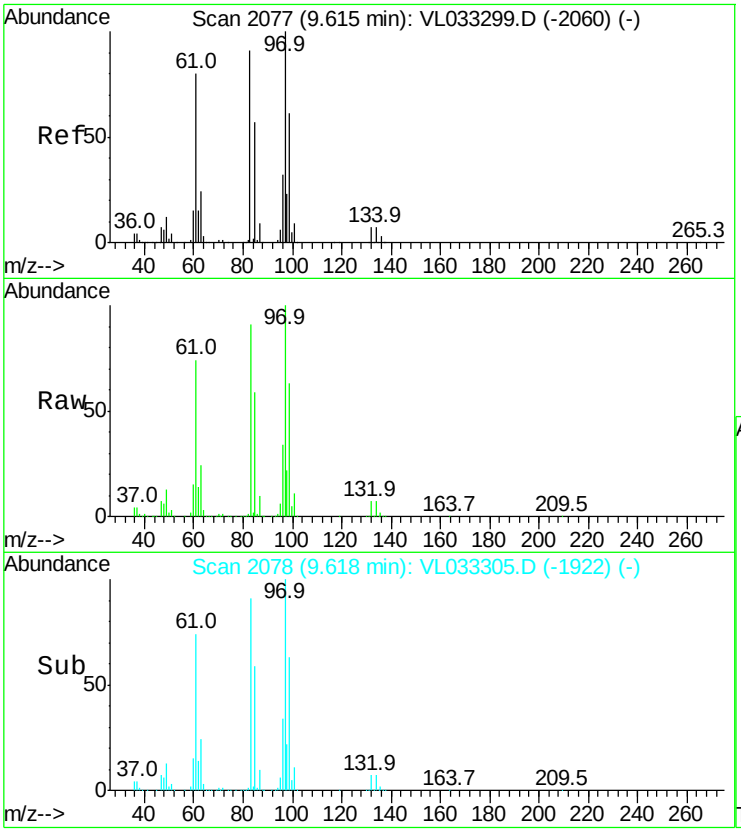


#46
cis-1,3-Dichloropropene
Concen: 15.700 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 75 Resp: 1619714

Ion	Ratio	Lower	Upper
75	100		
39	64.3	53.4	80.2
77	31.5	23.7	35.5



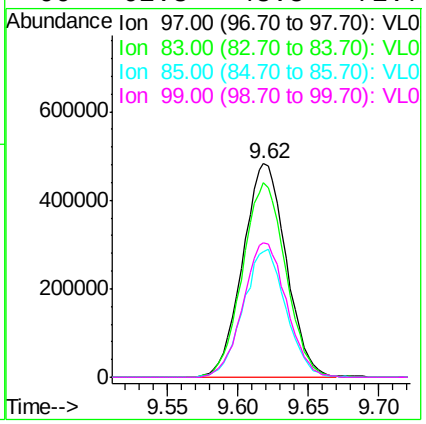


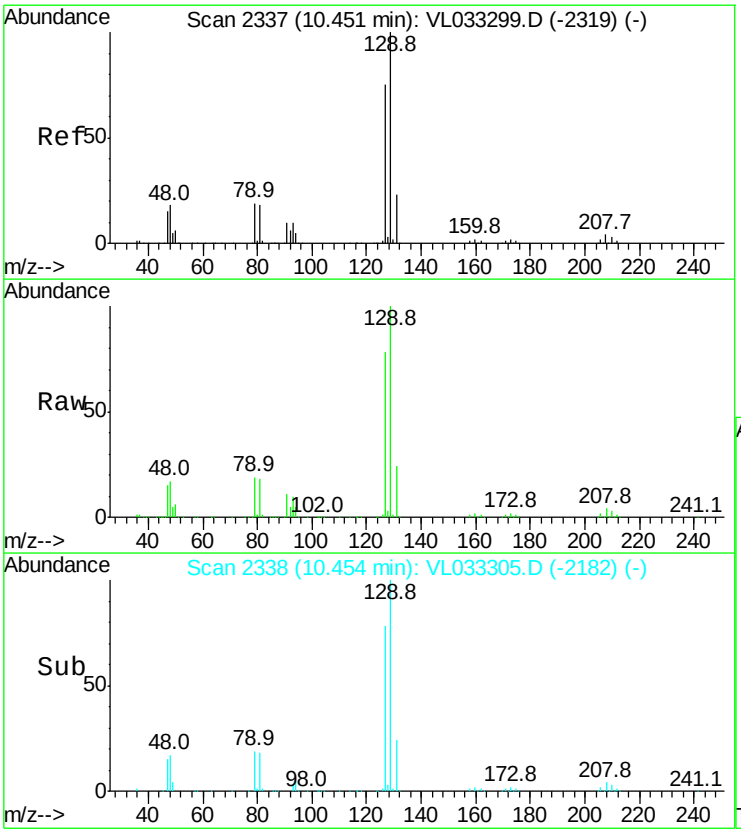
#47
1,1,2-Trichloroethane
Concen: 13.874 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 1039006

Ion	Ratio	Lower	Upper
97	100		
83	91.3	72.7	109.1
85	58.6	45.6	68.4
99	62.8	48.5	72.7

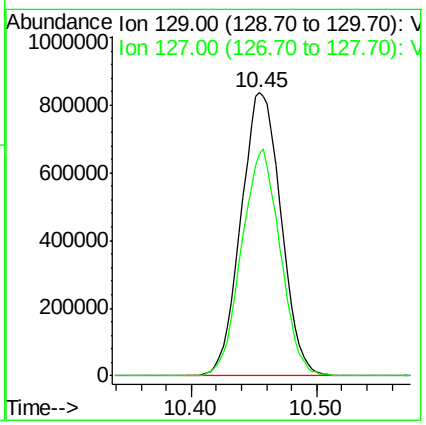


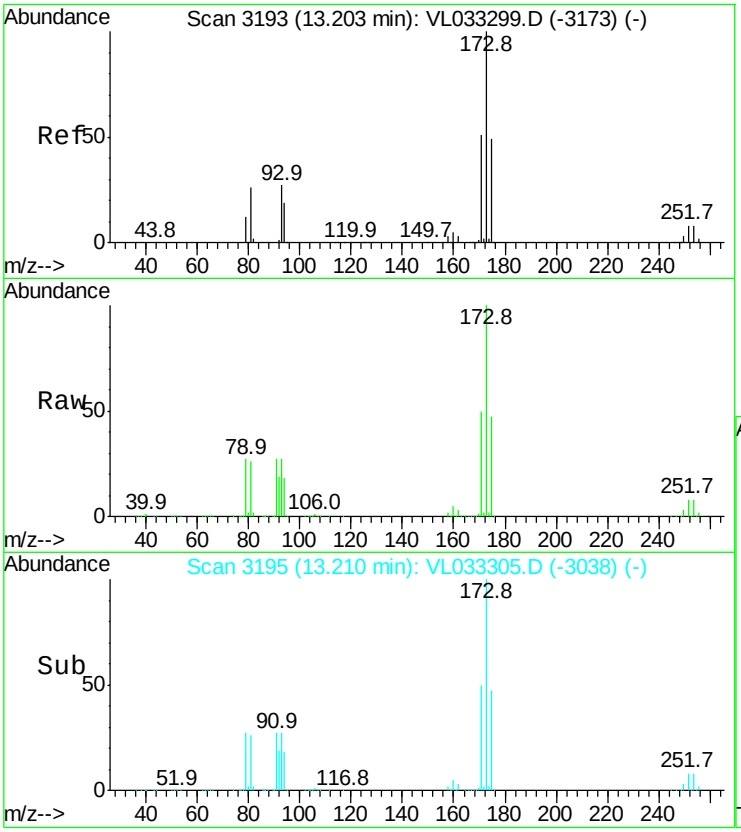


#48
Dibromochloromethane
Concen: 14.715 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:129 Resp: 1860067

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.0	117.0



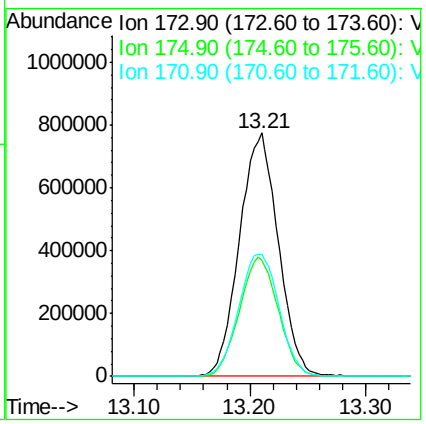


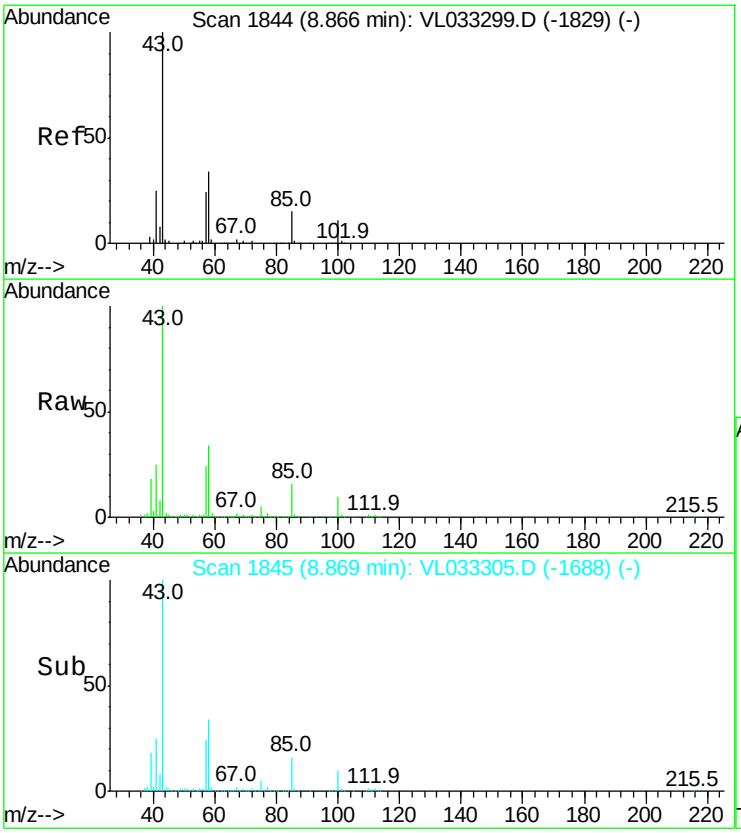
#49
Bromoform
Concen: 17.223 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. 0.01 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 1801803

Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	58.0
171	52.6	42.0	63.0

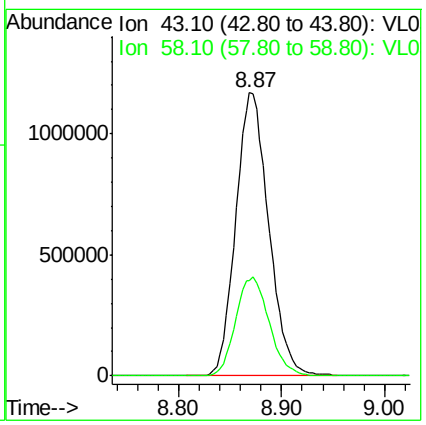


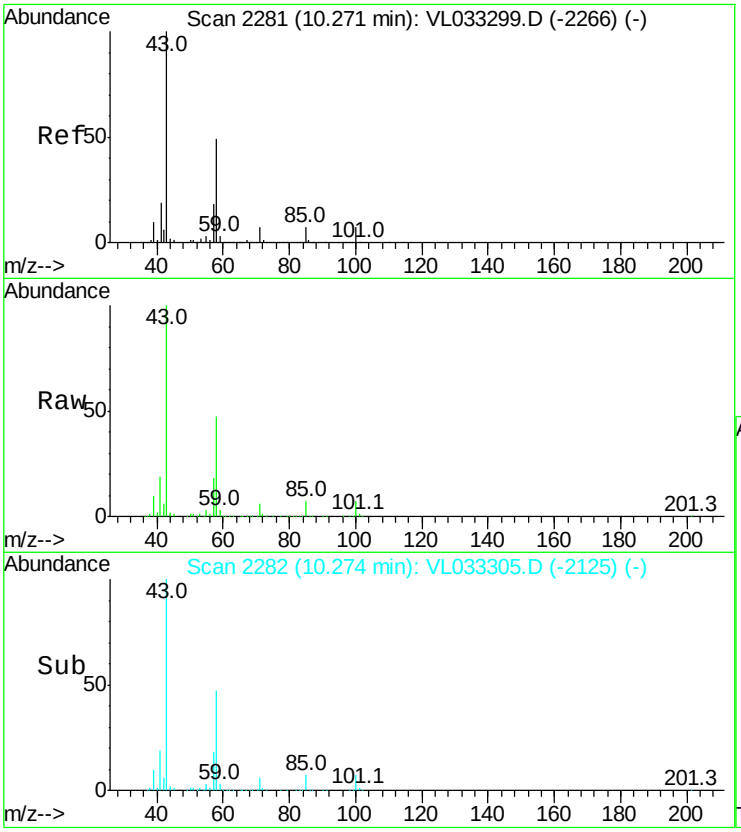


#50
4-Methyl-2-Pentanone
Concen: 13.801 ppbv
RT: 8.87 min Scan# 1845
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 43 Resp: 2595647

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.2	42.2



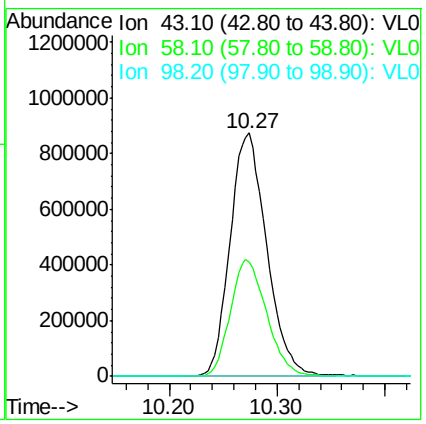


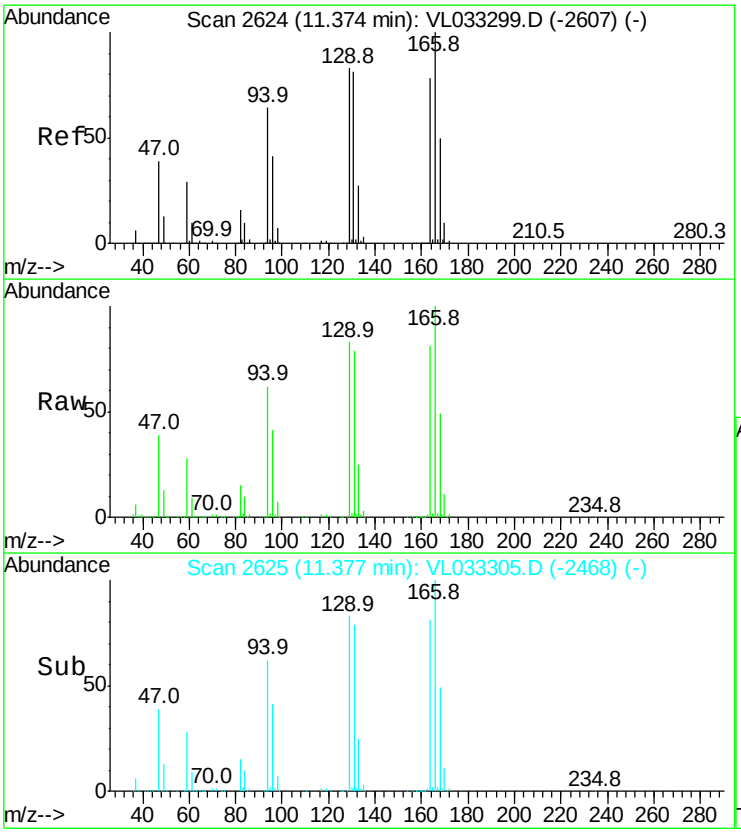
#51
2-Hexanone
Concen: 14.448 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 43 Resp: 2066894

Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.4	57.6
98	0.1	0.2	0.2#

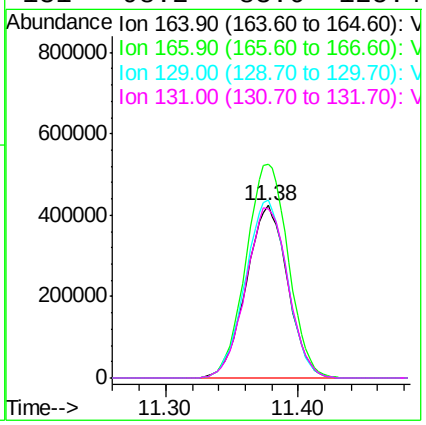


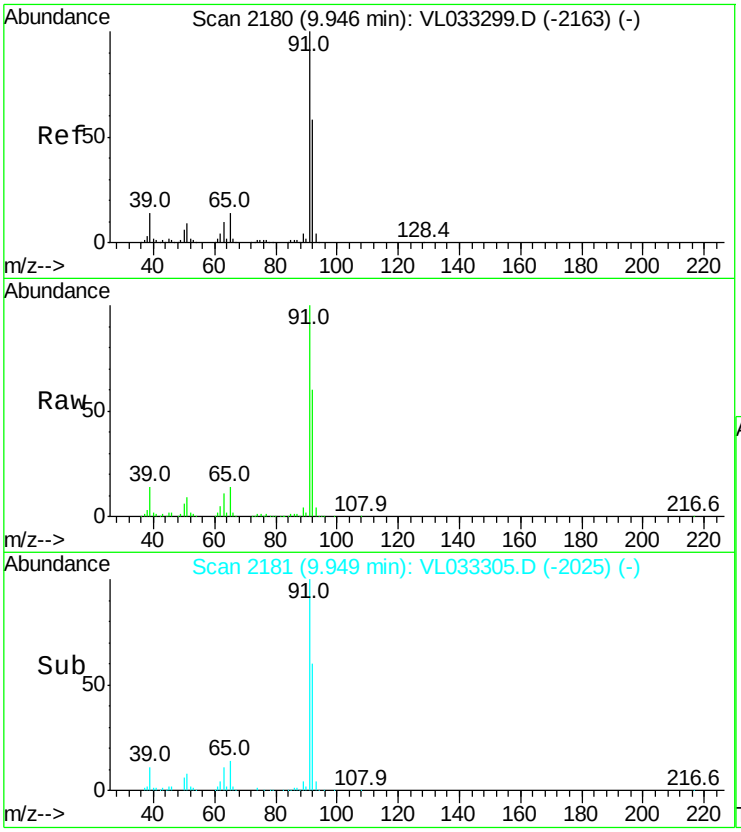


#52
Tetrachloroethene
Concen: 12.002 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:164 Resp: 920842

Ion	Ratio	Lower	Upper
164	100		
166	123.7	103.2	154.8
129	103.2	85.8	128.8
131	98.2	83.6	125.4



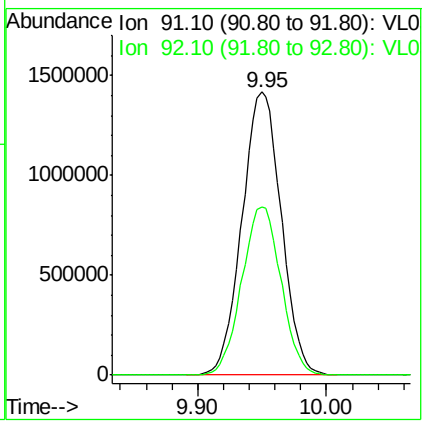


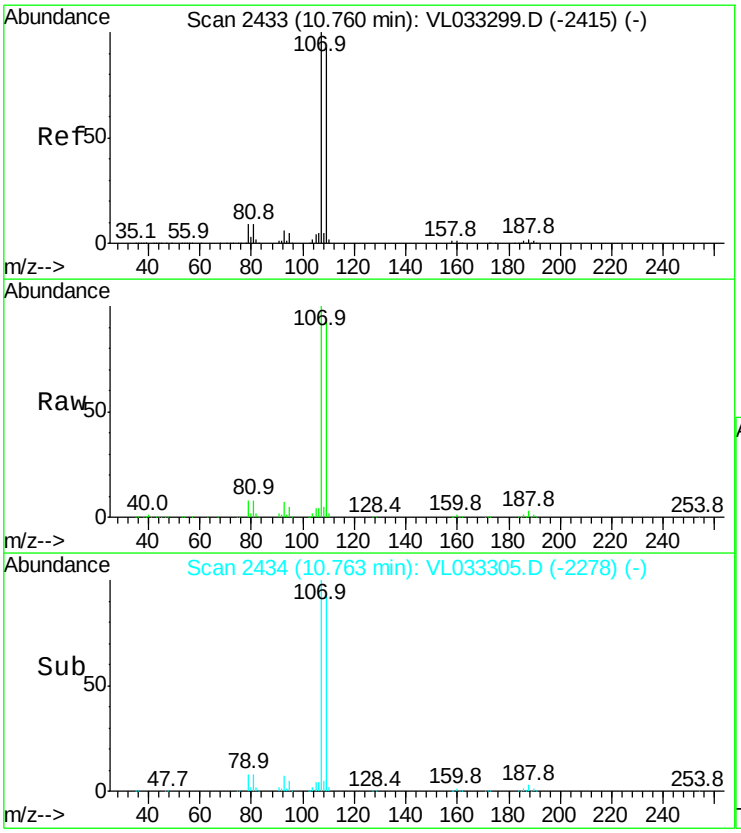
#53
Toluene
Concen: 14.370 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 3006975

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.4	71.2

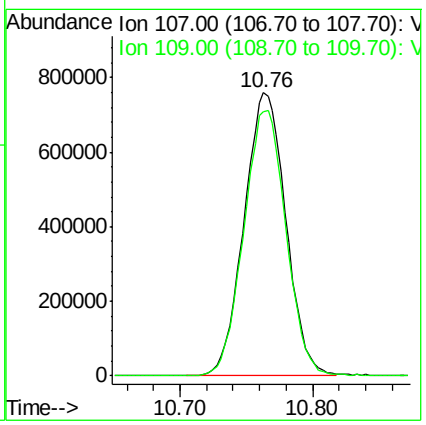


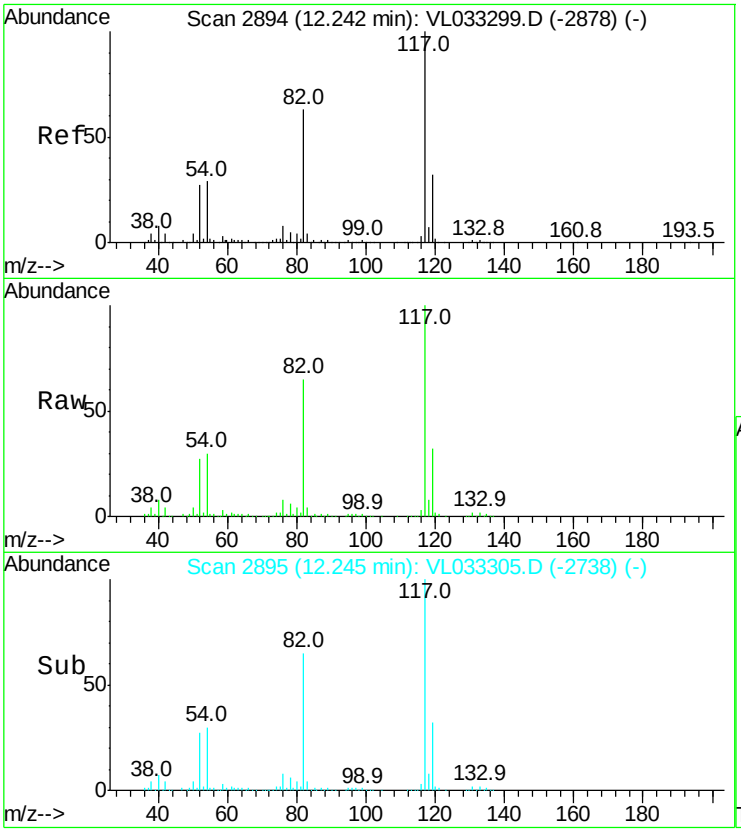


#54
1,2-Dibromoethane
Concen: 13.290 ppbv
RT: 10.76 min Scan# 2434
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:107 Resp: 1664694

Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.3	111.5



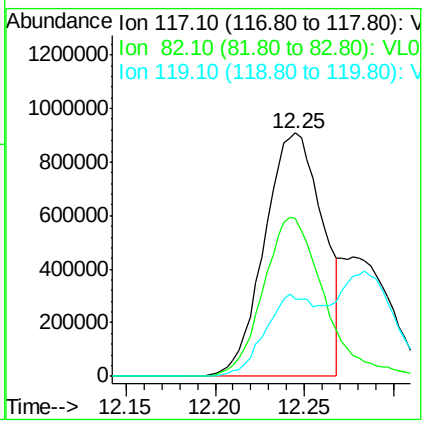


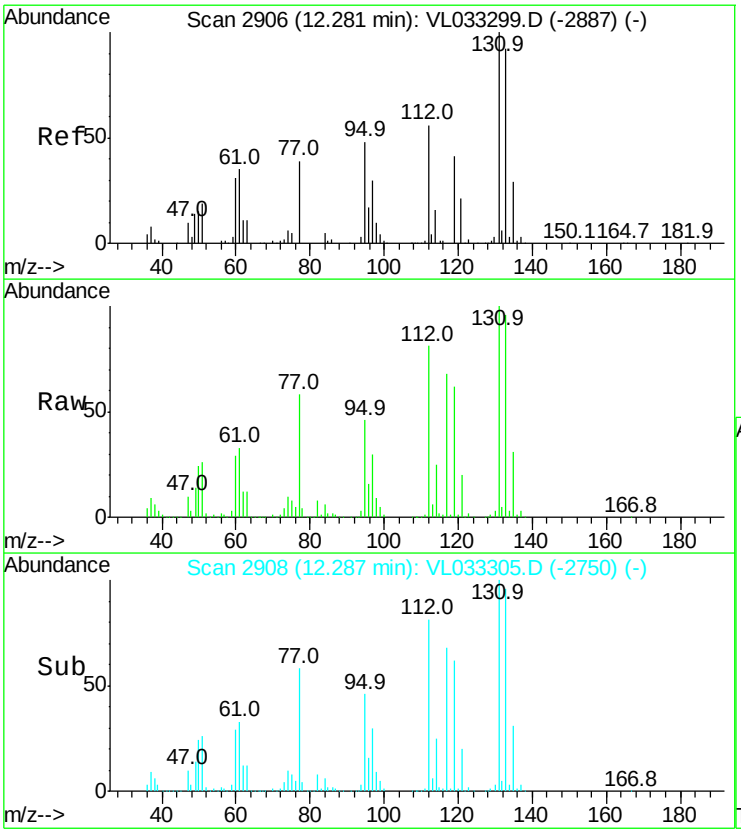
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 2061707

Ion	Ratio	Lower	Upper
117	100		
82	68.7	51.3	76.9
119	0.0	27.0	40.4#

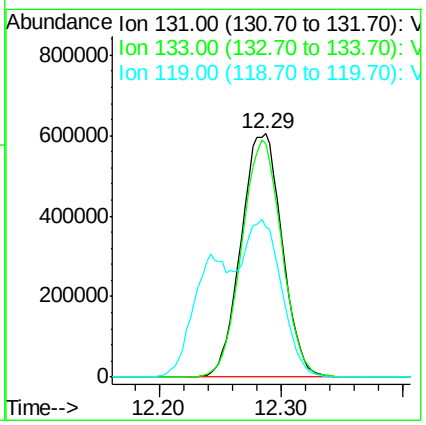


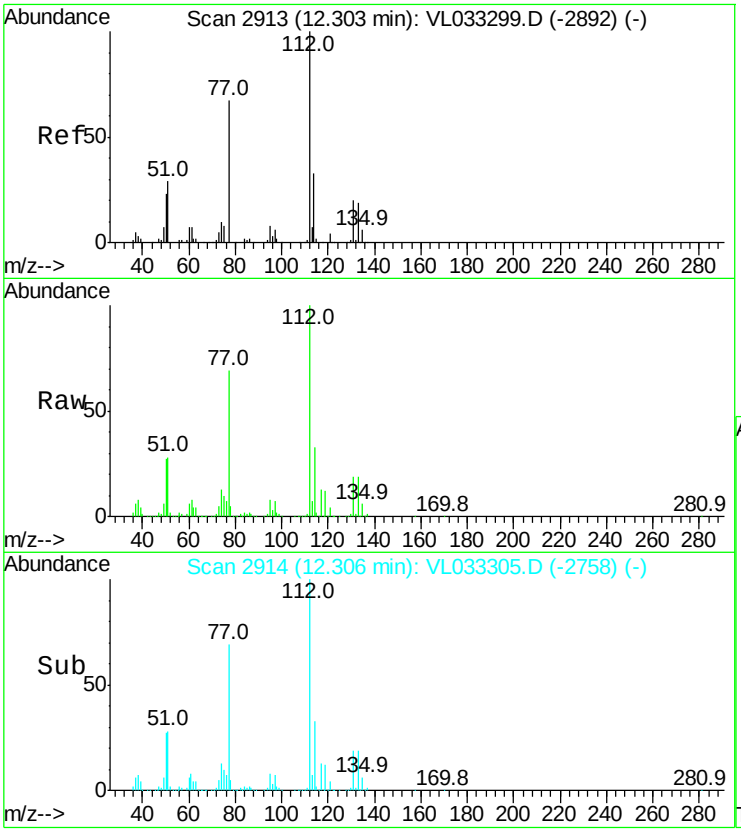


#56
1,1,1,2-Tetrachloroethane
Concen: 15.309 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. 0.01 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:131 Resp: 1407296

Ion	Ratio	Lower	Upper
131	100		
133	94.8	75.3	112.9
119	108.0	45.0	67.4#



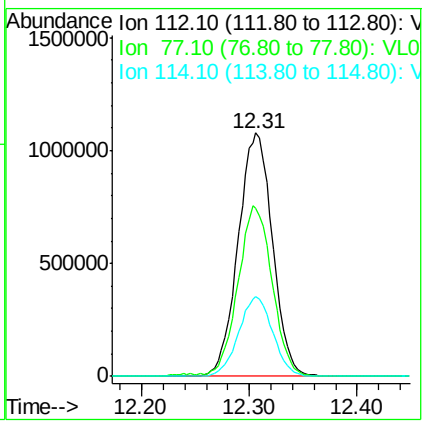


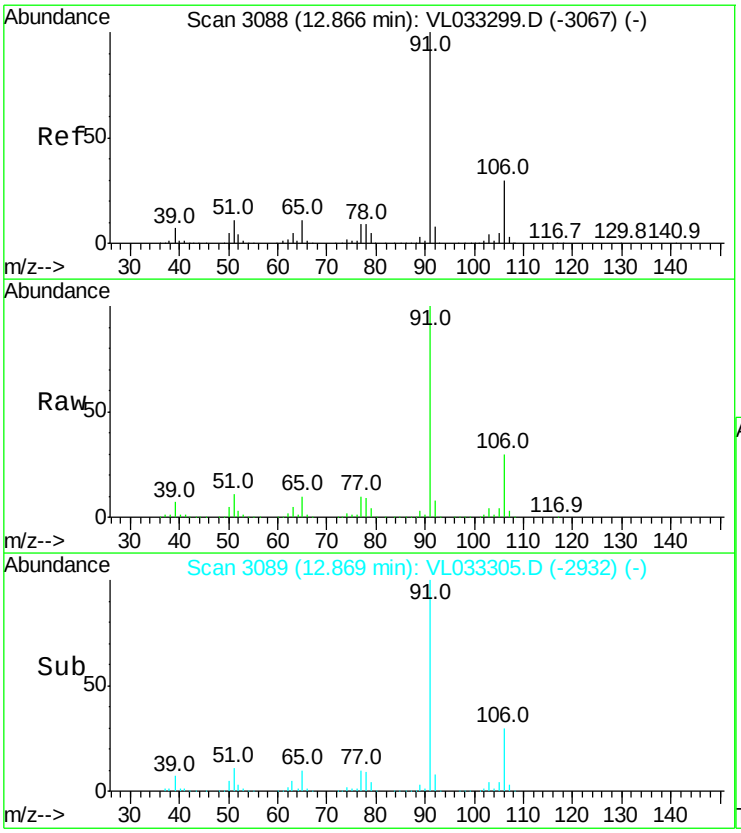
#57
Chlorobenzene
Concen: 14.444 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 2386812

Ion	Ratio	Lower	Upper
112	100		
77	68.8	54.7	82.1
114	32.6	29.6	36.2

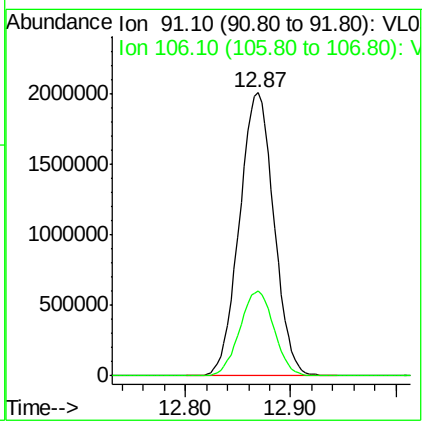


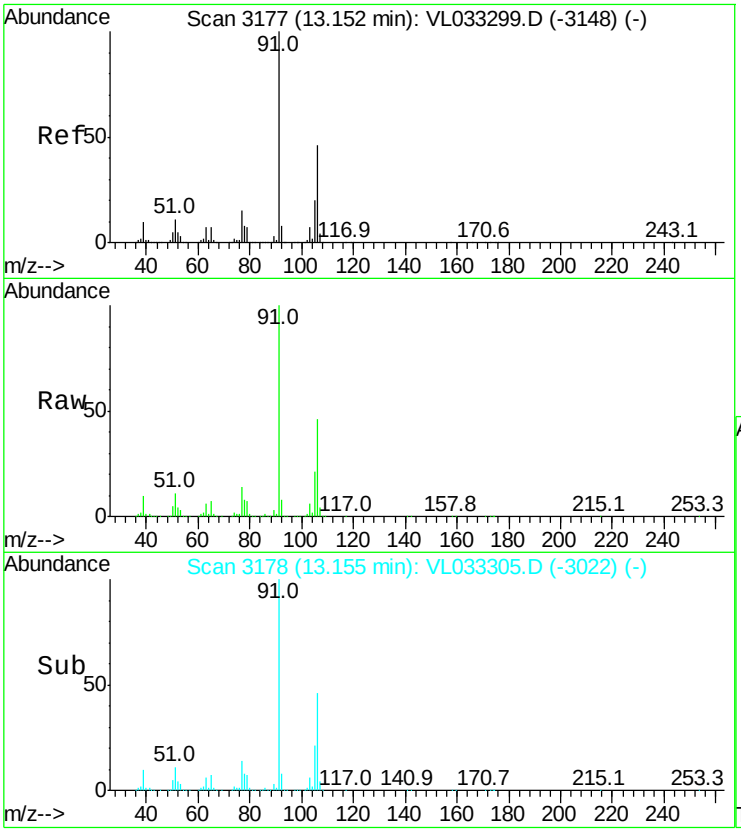


#58
Ethyl Benzene
Concen: 15.510 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 91 Resp: 4570707

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.8	35.6



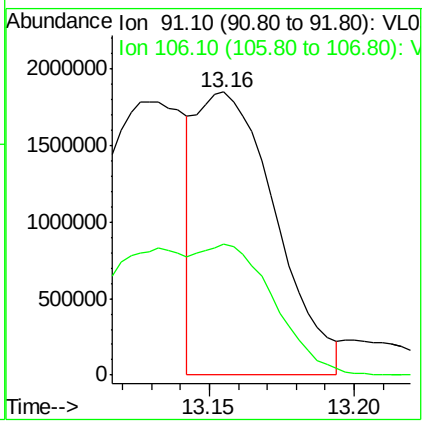


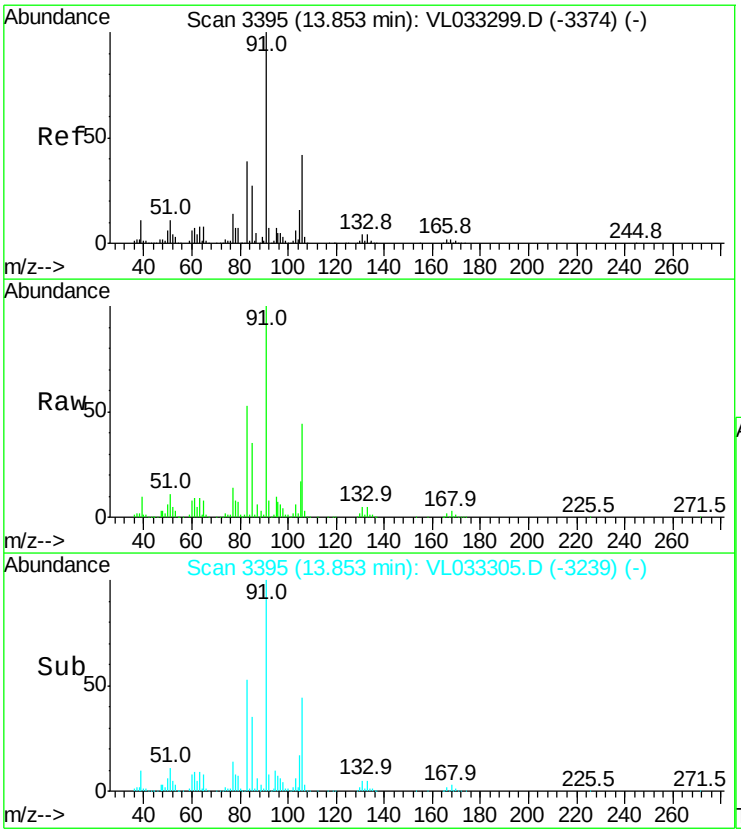
#59
m/p-Xylene
Concen: 14.136 ppbv
RT: 13.16 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 91 Resp: 3501231

Ion	Ratio	Lower	Upper
91	100		
106	96.2	0.0	0.0#

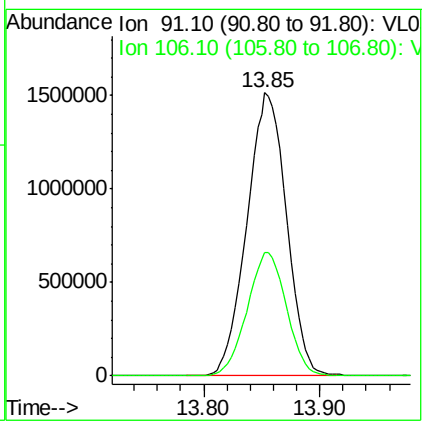


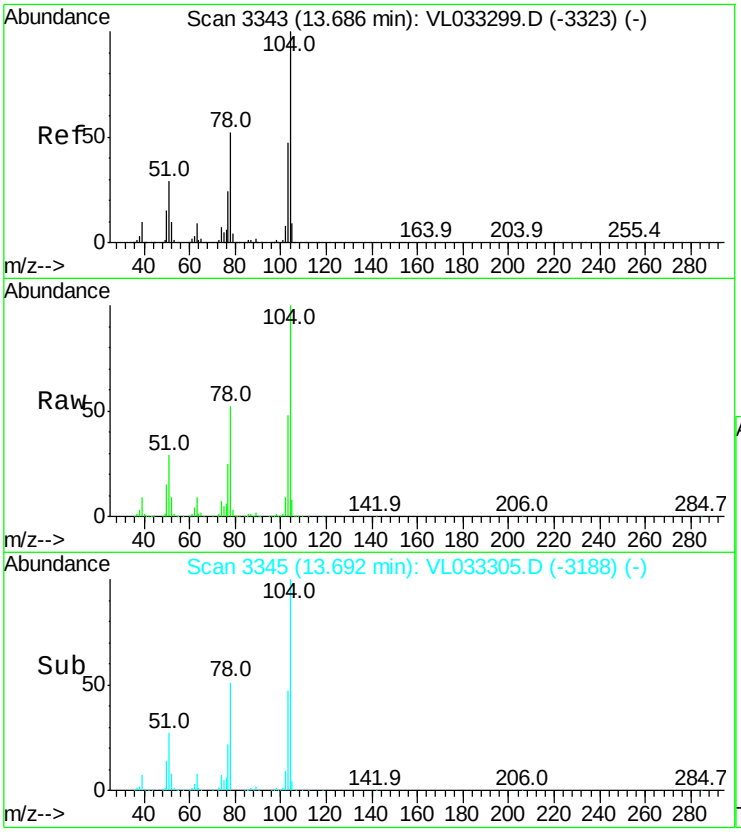


#60
o-Xylene
Concen: 15.008 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 91 Resp: 3586358

Ion	Ratio	Lower	Upper
91	100		
106	43.4	21.4	64.3



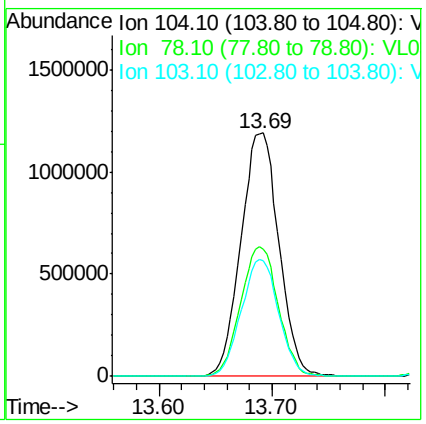


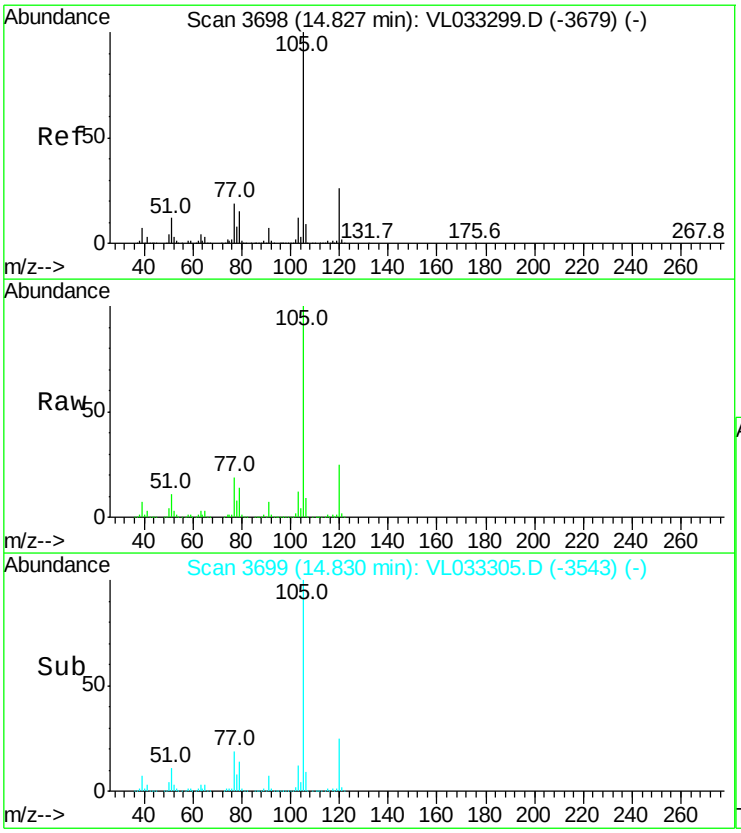
#61
Styrene
Concen: 16.772 ppbv
RT: 13.69 min Scan# 3345
Delta R.T. 0.01 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 2781771

Ion	Ratio	Lower	Upper
104	100		
78	53.0	43.3	64.9
103	47.5	38.2	57.2

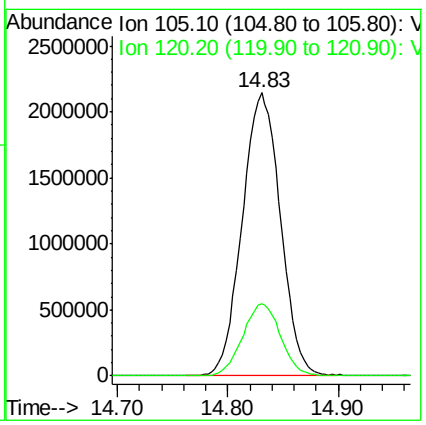


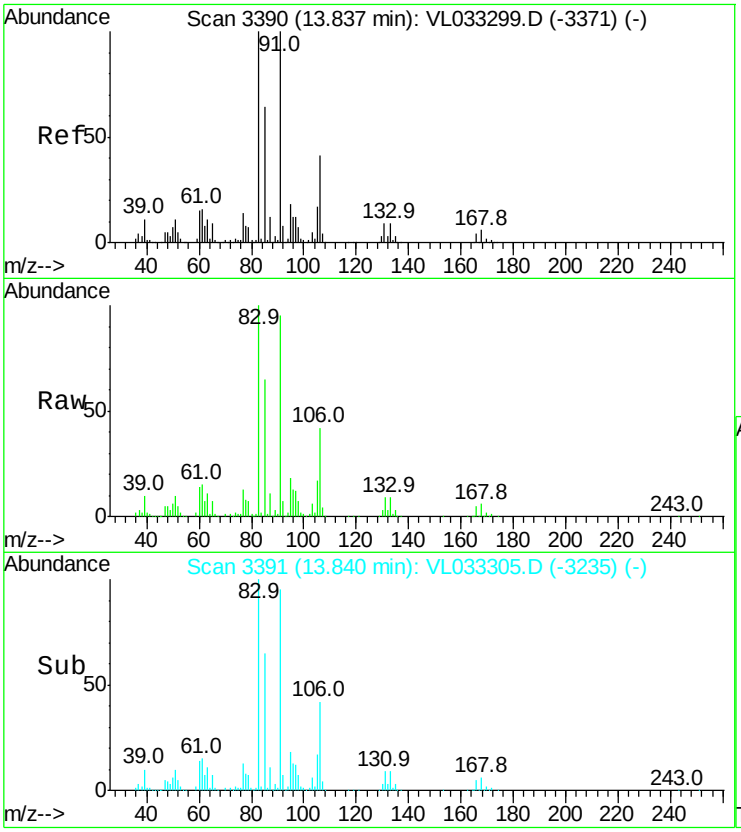


#62
Isopropylbenzene
Concen: 15.427 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:105 Resp: 5147645

Ion	Ratio	Lower	Upper
105	100		
120	25.3	19.9	29.9



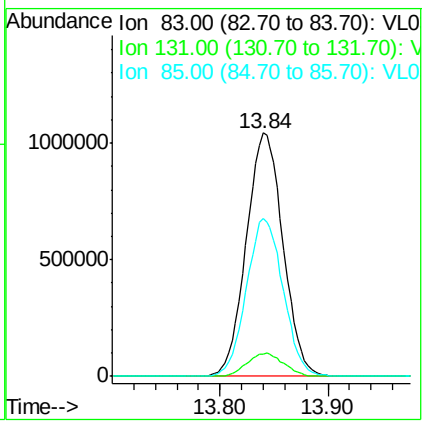


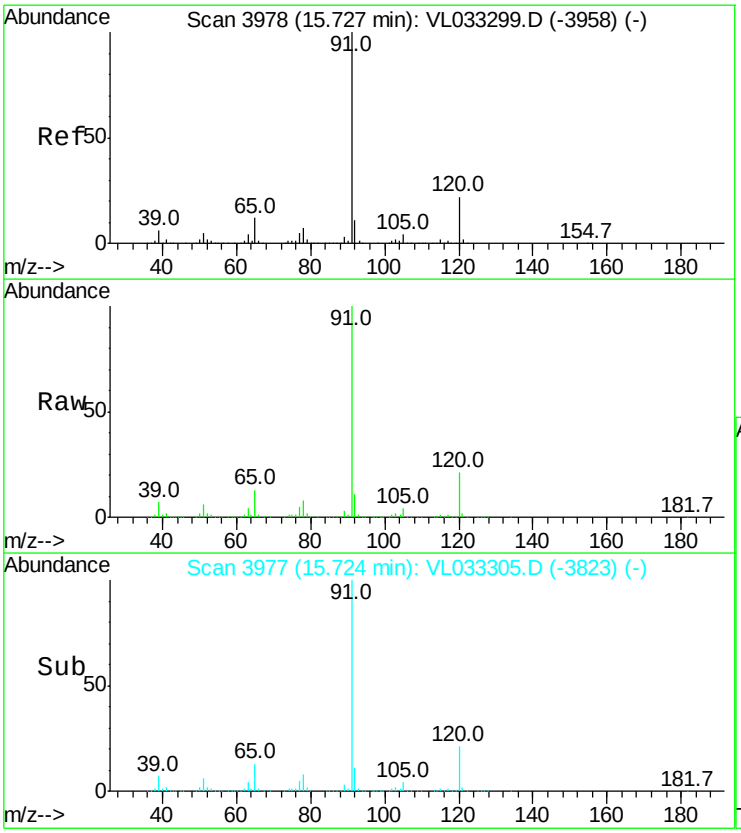
#63
1,1,2,2-Tetrachloroethane
Concen: 14.455 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion: 83 Resp: 2463481

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	64.8	32.5	97.4

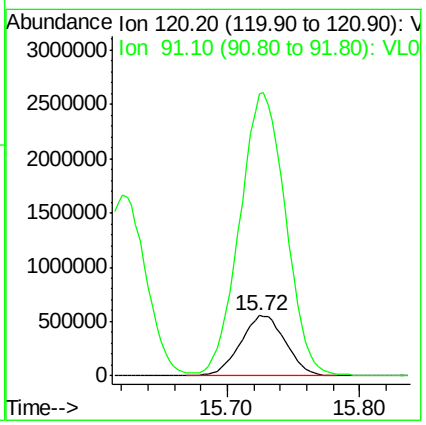


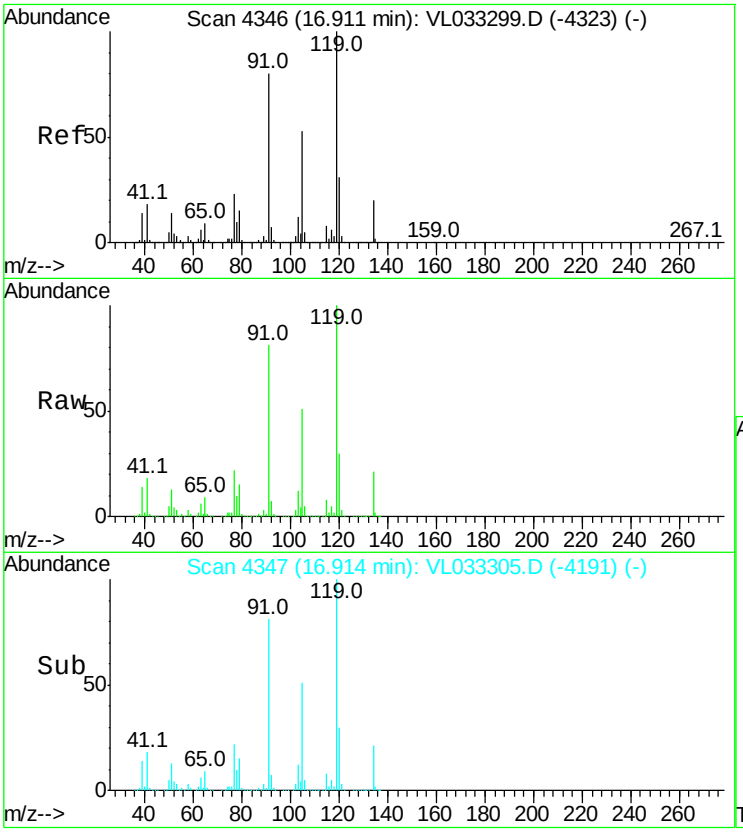


#64
n-propylbenzene
Concen: 15.989 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:120 Resp: 1314192

Ion	Ratio	Lower	Upper
120	100		
91	478.3	393.7	590.5



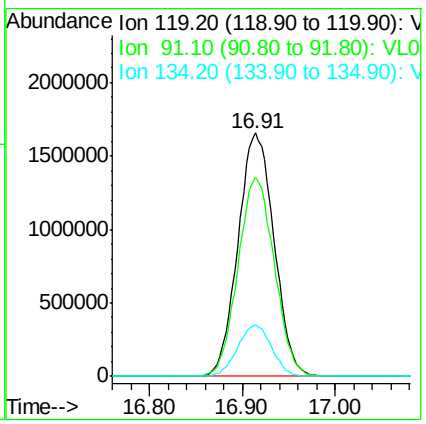


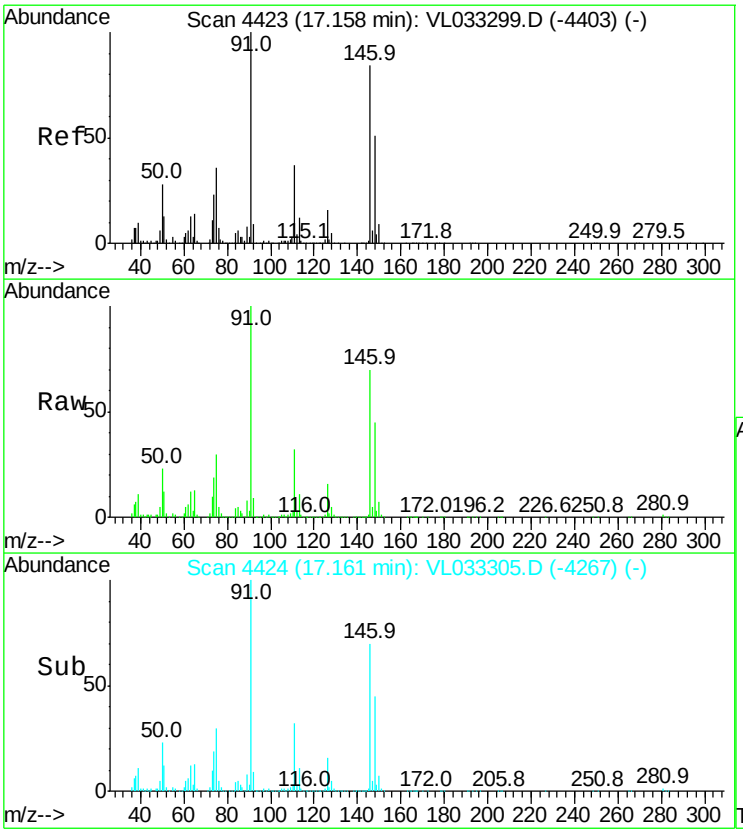
#65
tert-Butylbenzene
Concen: 15.966 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 4473732

Ion	Ratio	Lower	Upper
119	100		
91	82.6	66.4	99.6
134	20.0	15.4	23.2

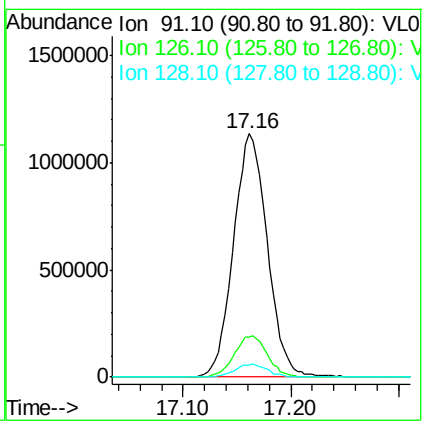


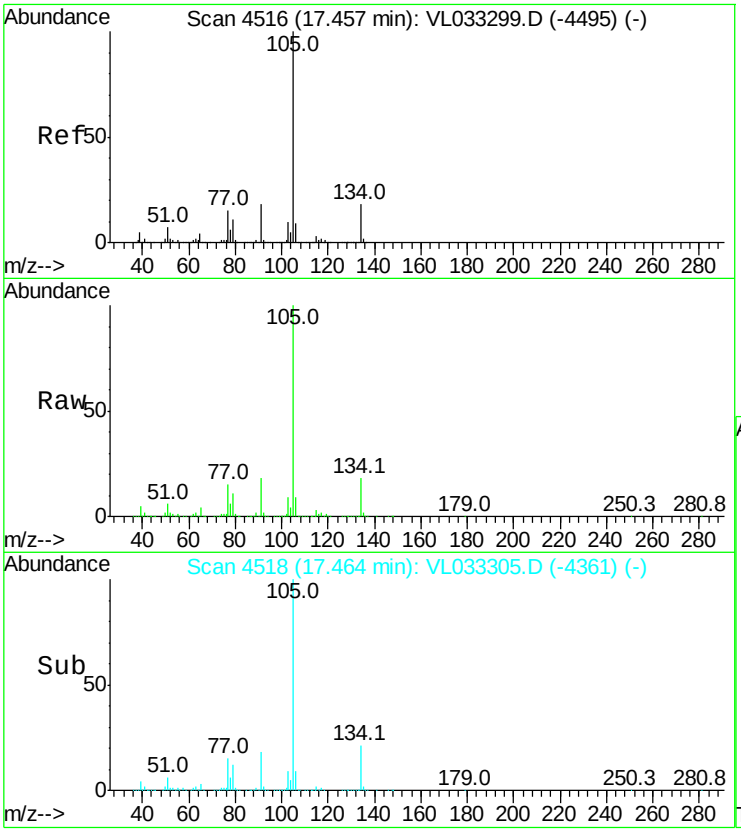


#66
Benzyl Chloride
Concen: 23.056 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 91 Resp: 2479734

Ion	Ratio	Lower	Upper
91	100		
126	16.7	12.9	19.3
128	5.3	4.2	6.2



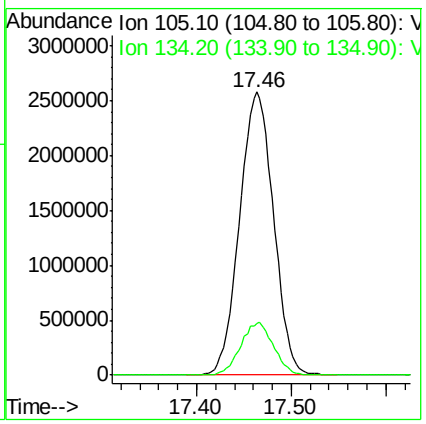


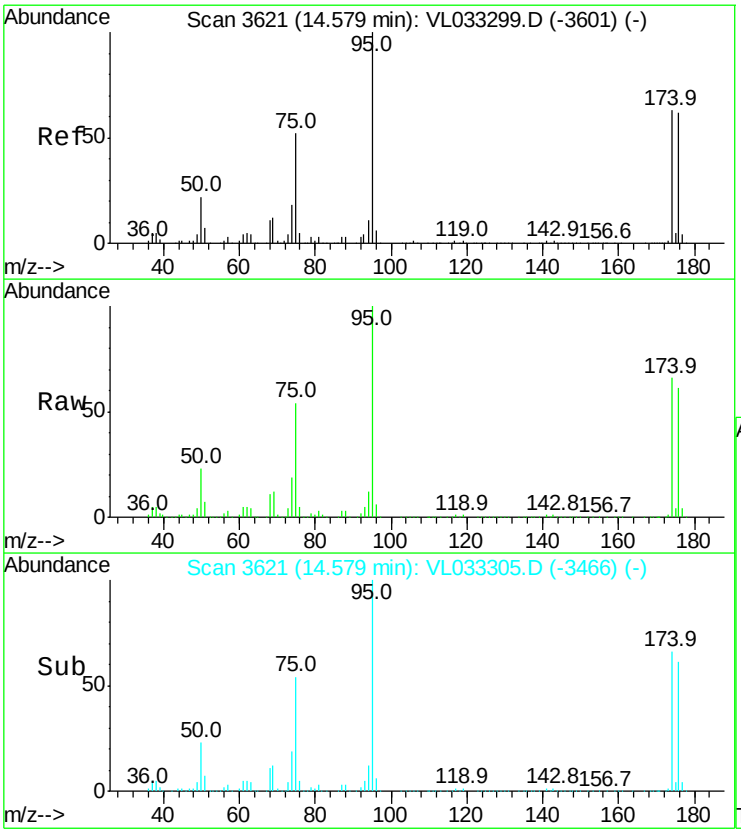
#67
sec-Butylbenzene
Concen: 15.903 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. 0.01 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 6425864

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.2	21.2

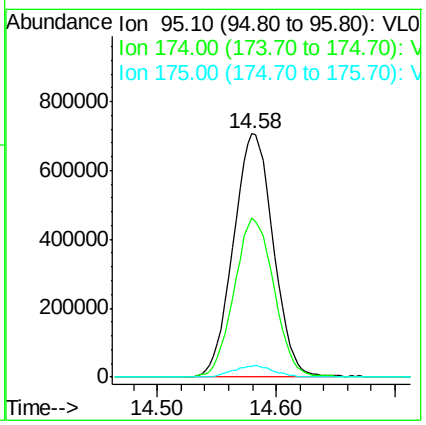


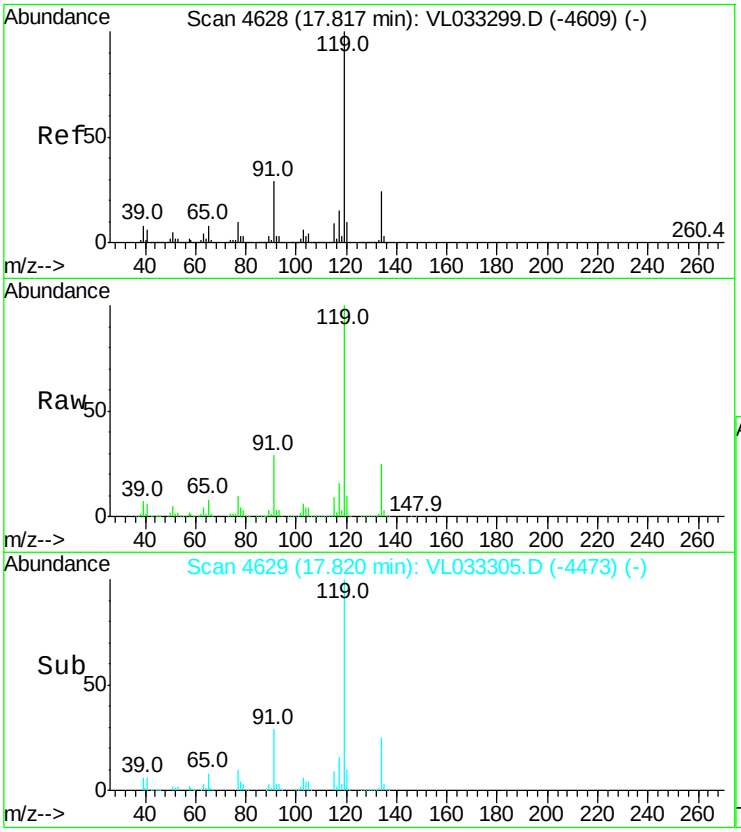


#68
1-Bromo-4-Fluorobenzene
Concen: 10.275 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 95 Resp: 1638498

Ion	Ratio	Lower	Upper
95	100		
174	65.5	51.9	77.9
175	4.8	3.9	5.9



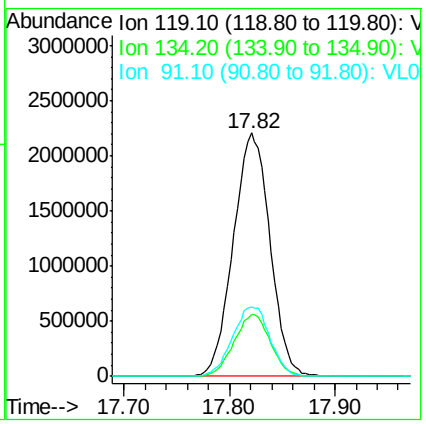


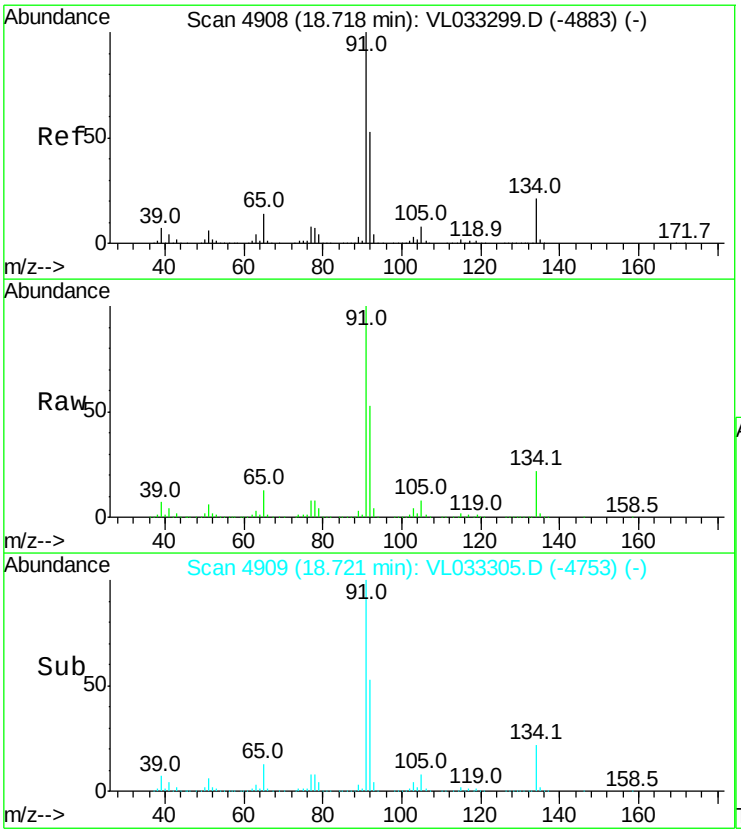
#69
p-Isopropyltoluene
Concen: 16.451 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 5323758

Ion	Ratio	Lower	Upper
119	100		
134	25.2	19.8	29.6
91	29.3	23.8	35.8

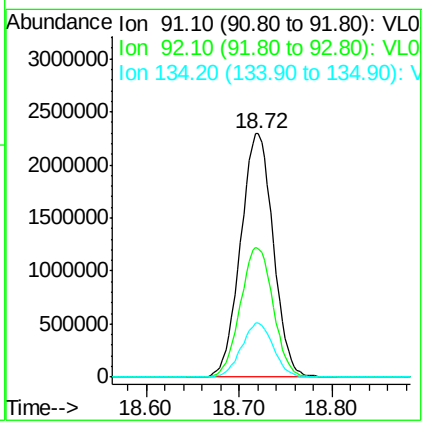


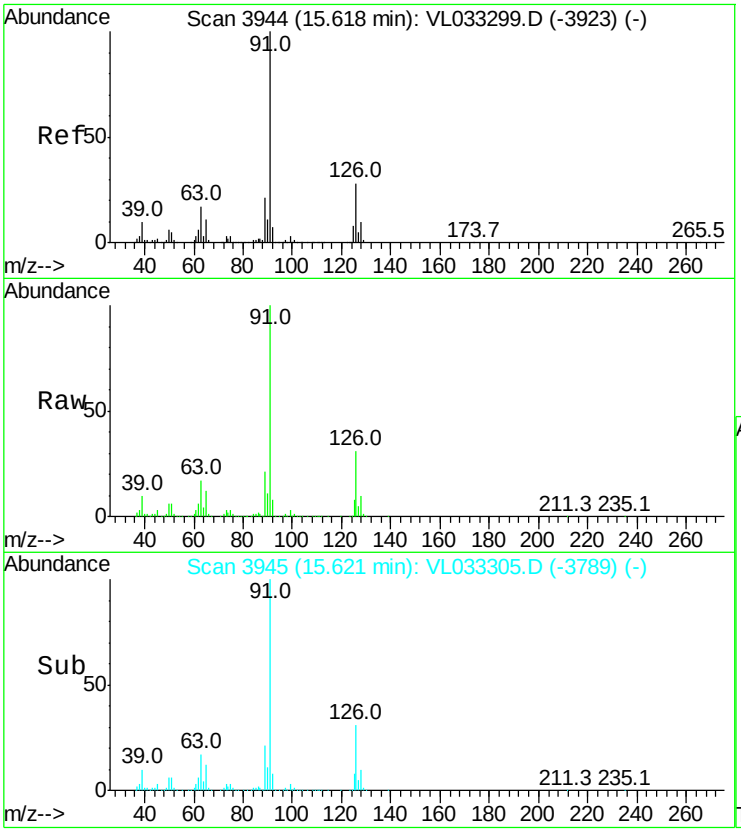


#70
n-Butylbenzene
Concen: 16.275 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion: 91 Resp: 5597983

Ion	Ratio	Lower	Upper
91	100		
92	53.6	42.6	63.8
134	21.9	17.4	26.0



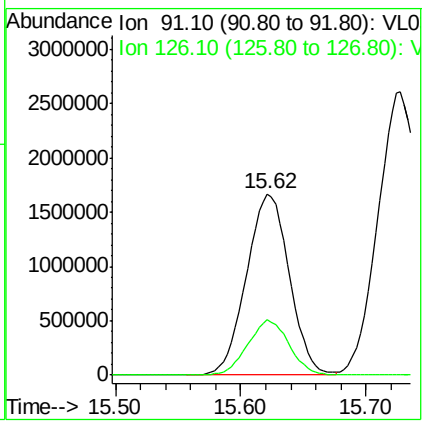


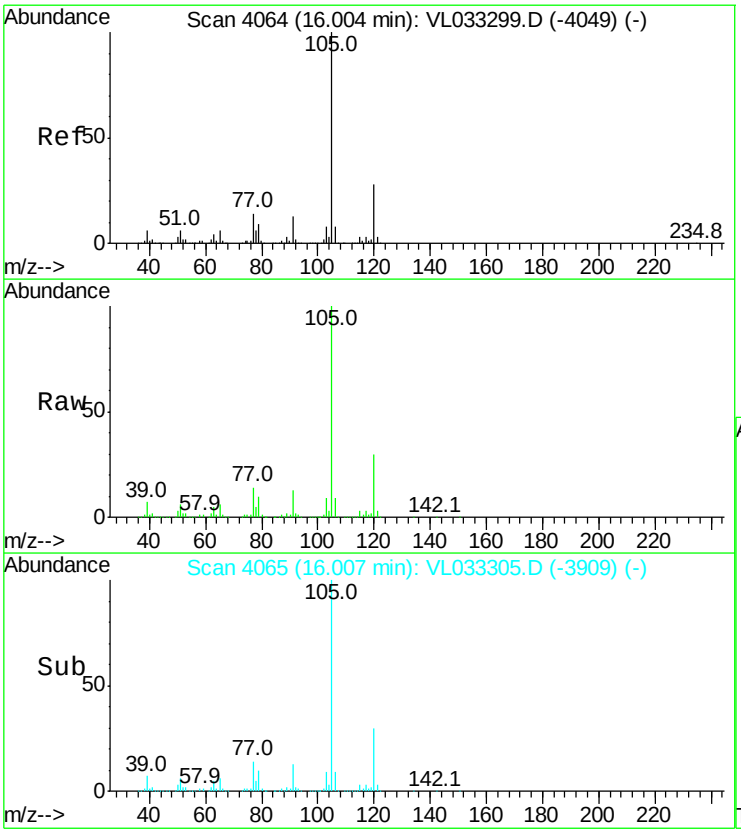
#71
2-Chlorotoluene
Concen: 15.938 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 3954319

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.8	47.0

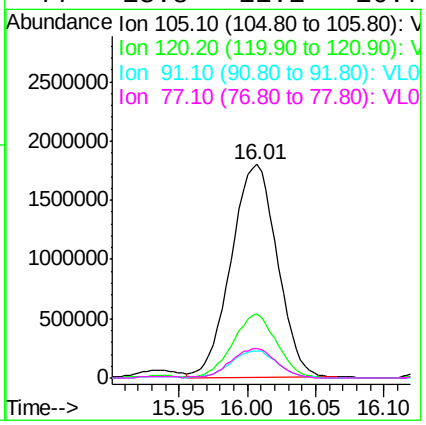


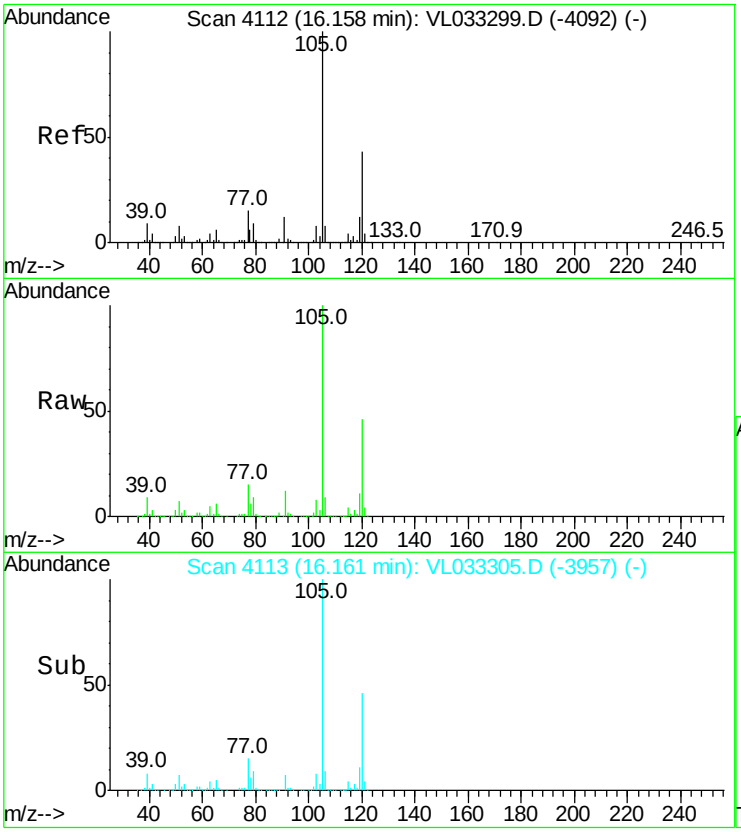


#72
4-Ethyltoluene
Concen: 16.698 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:105 Resp: 4237511

Ion	Ratio	Lower	Upper
105	100		
120	28.9	22.7	34.1
91	12.8	10.3	15.5
77	13.8	11.1	16.7



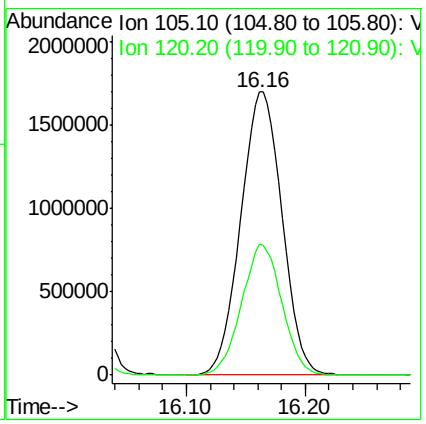


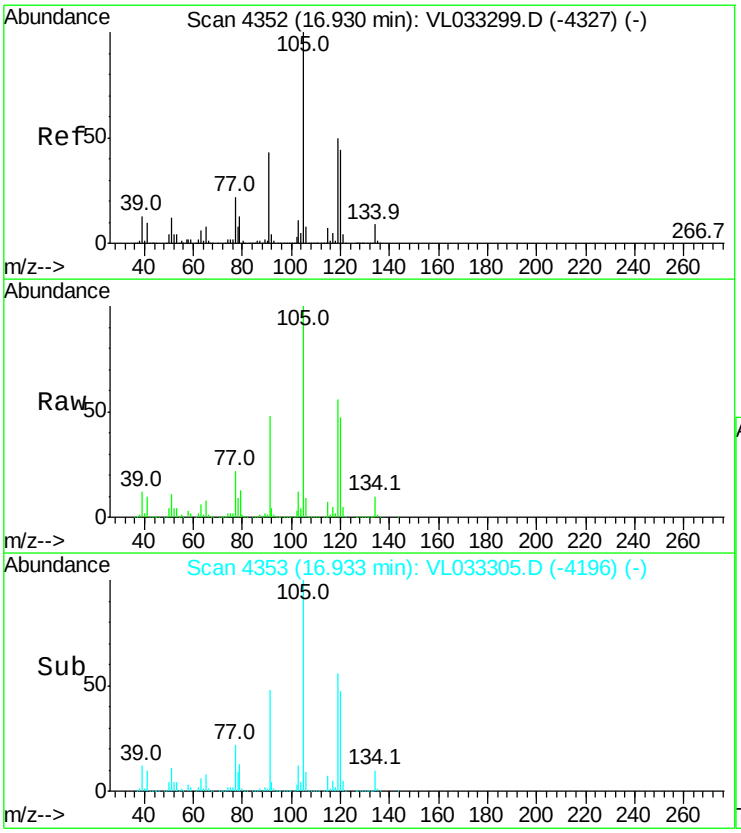
#73
1,3,5-Trimethylbenzene
Concen: 17.198 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 4064243

Ion	Ratio	Lower	Upper
105	100		
120	46.1	34.6	52.0

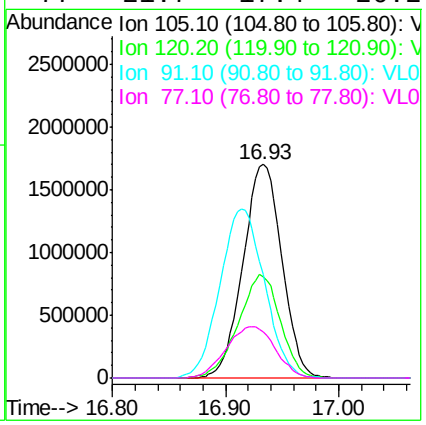


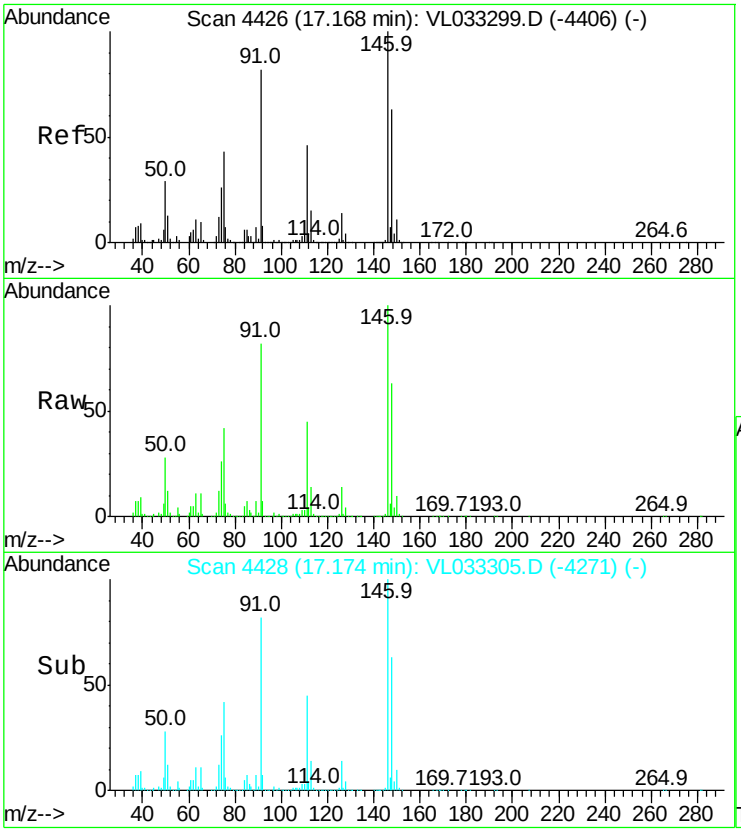


#74
1,2,4-Trimethylbenzene
Concen: 16.678 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:105 Resp: 4066539

Ion	Ratio	Lower	Upper
105	100		
120	47.3	35.2	52.8
91	48.2	34.0	51.0
77	21.7	17.4	26.2



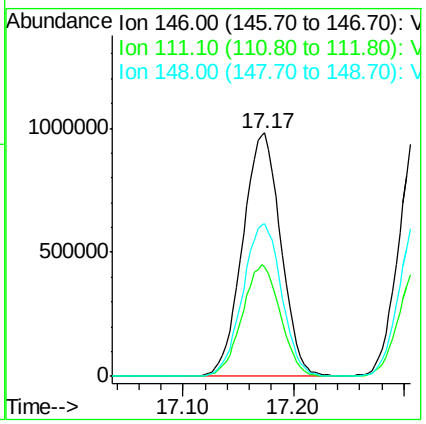


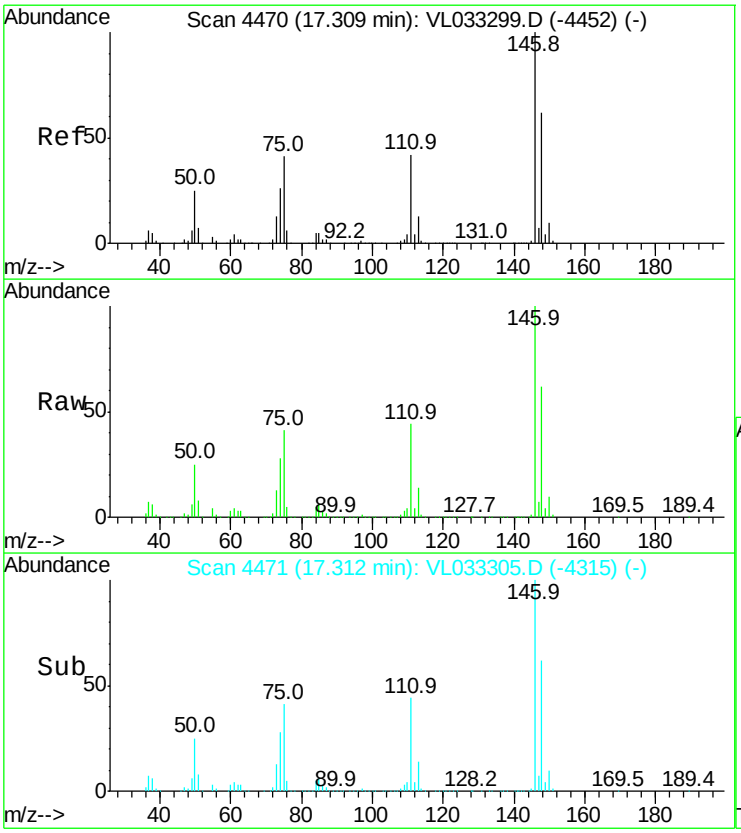
#75
1,3-Dichlorobenzene
Concen: 15.388 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. 0.01 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 2351863

Ion	Ratio	Lower	Upper
146	100		
111	45.7	22.9	68.7
148	63.8	32.4	97.0

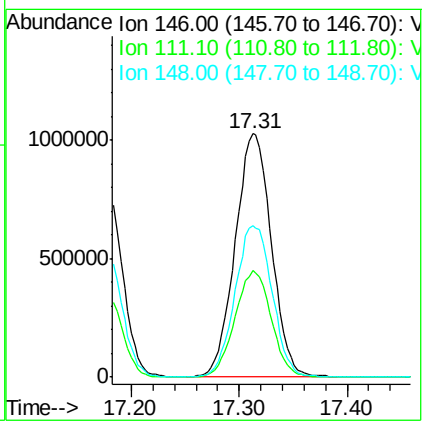


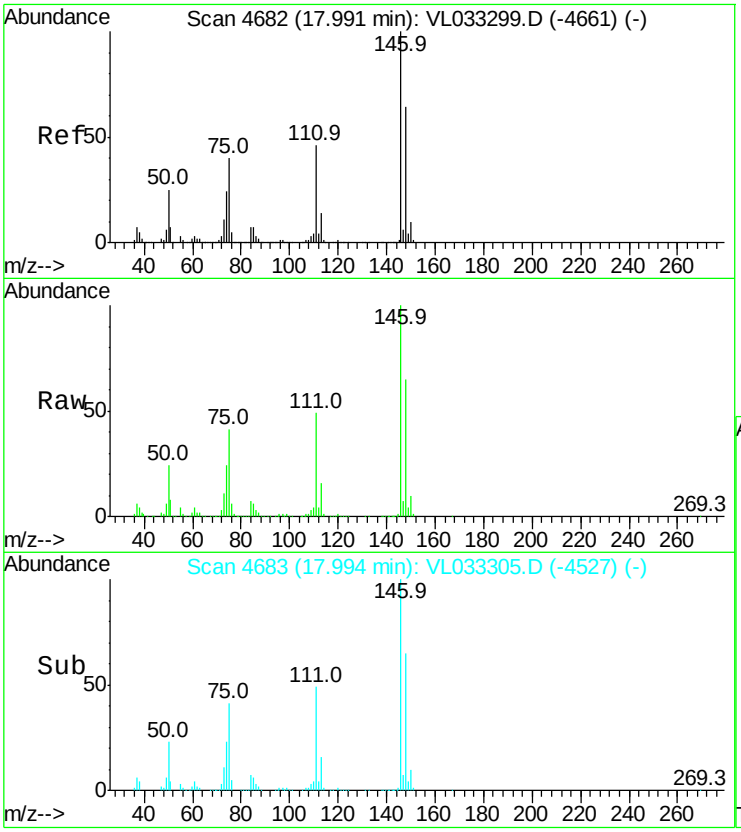


#76
1,4-Dichlorobenzene
Concen: 15.970 ppbv
RT: 17.31 min Scan# 4471
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:146 Resp: 2394937

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.9	65.5
148	63.9	31.8	95.4



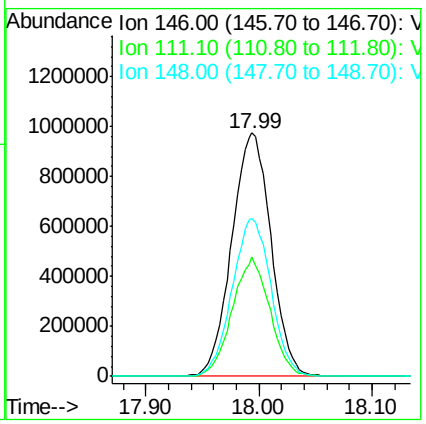


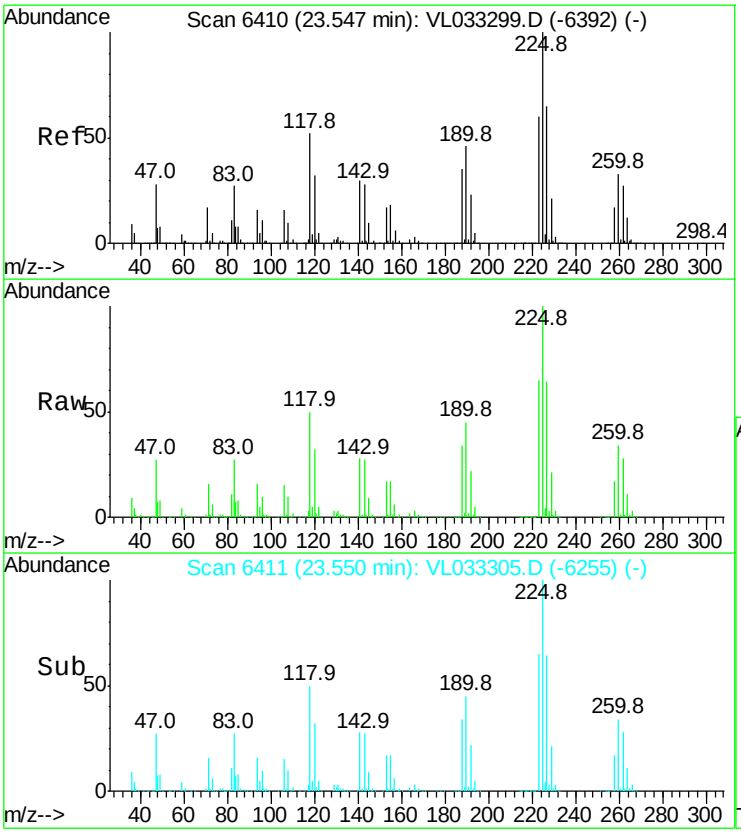
#77
1,2-Dichlorobenzene
Concen: 15.665 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Tgt Ion:146 Resp: 2346947

Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.2	69.6
148	64.6	32.0	96.0

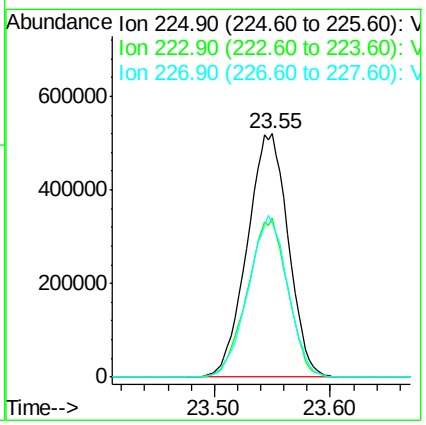


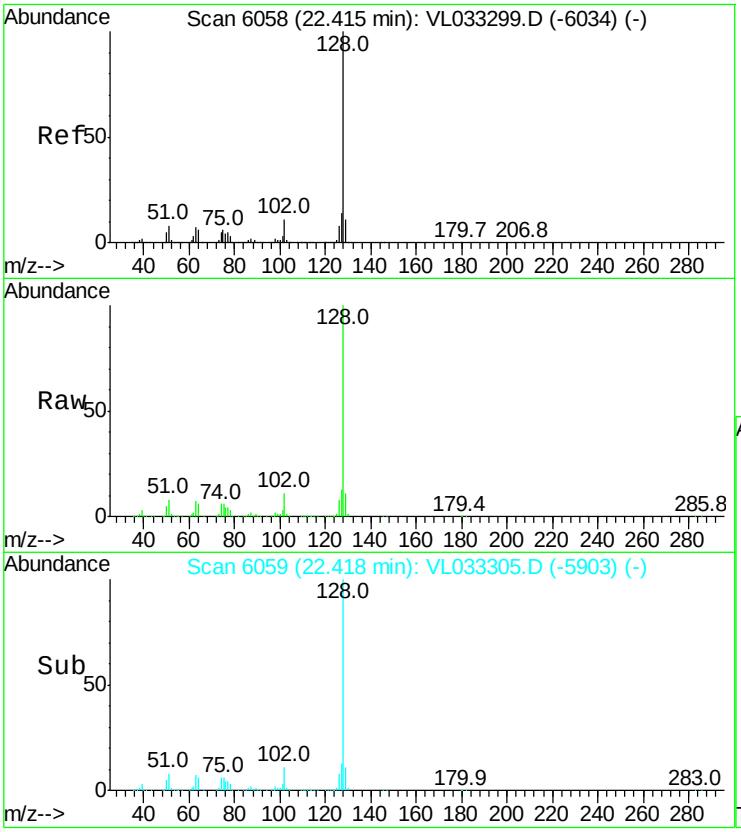


#78
Hexachloro-1,3-Butadiene
Concen: 10.478 ppbv
RT: 23.55 min Scan# 6411
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:225 Resp: 1285180

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.3	75.5
227	63.8	51.2	76.8



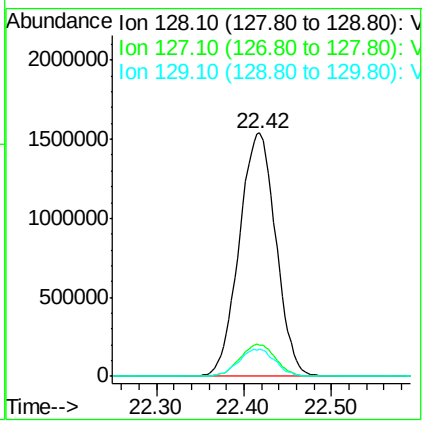


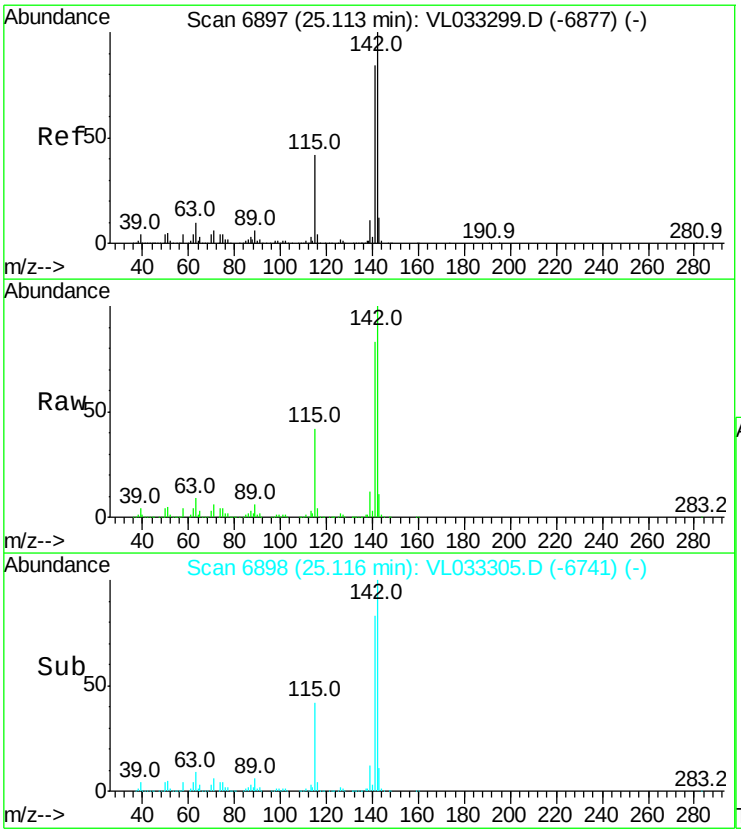
#79
Naphthalene
Concen: 18.302 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 4471588

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.8	16.2
129	11.0	8.9	13.3

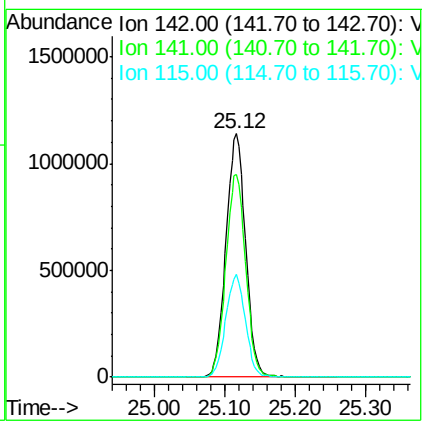


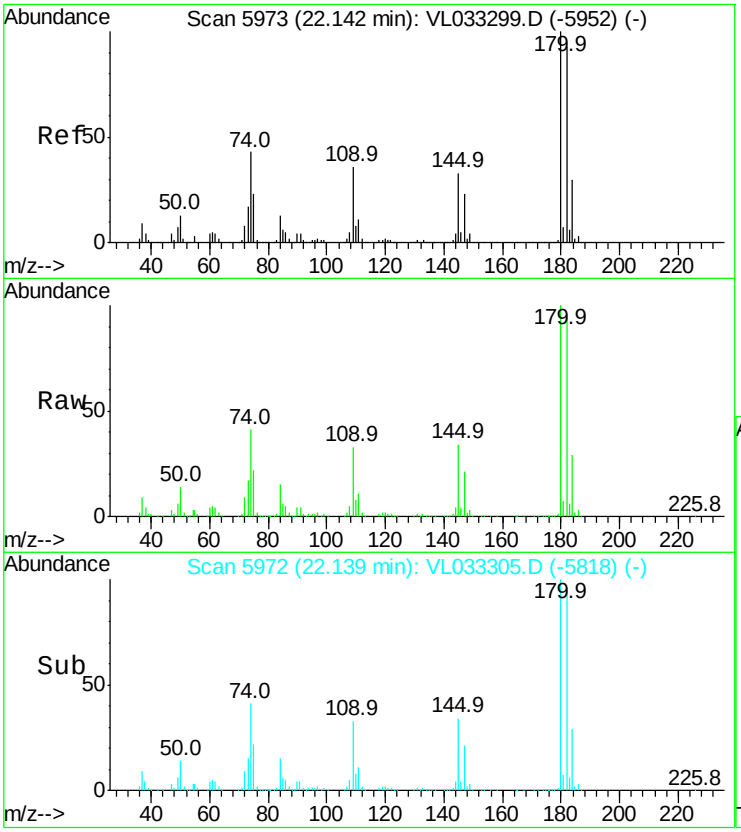


#80
Naphthalene,2-methyl-
Concen: 34.022 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Tgt Ion:142 Resp: 2226077

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.2	100.8
115	42.1	33.6	50.4





#81
1,2,4-Trichlorobenzene
Concen: 16.844 ppbv
RT: 22.14 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL033305.D
Acq: 13 Mar 2019 22:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 2204757

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
184	30.1	24.6	36.8