Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033663.D
Acq On : 6 May 2019 17:51
Operator : SY/AP
Sample : VL0506ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 04:09:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	961048	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2436096	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3169940	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2102602	8.09	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 80.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1574309	6.984	ppbv	99
3) Chlorodifluoromethane	3.01	51	1147035	8.265	ppbv	99
4) Chloromethane	3.17	50	639964	8.869	ppbv	100
5) Vinyl Chloride	3.29	62	626998	8.938	ppbv	96
6) Bromomethane	3.51	94	394035	8.842	ppbv	95
7) Chloroethane	3.60	64	231518	9.091	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1637306	8.825	ppbv	100
9) Propene	3.03	41	490796	9.276	ppbv	100
10) Heptane	8.25	43	1374198	10.524	ppbv	99
11) Trichlorofluoromethane	4.00	101	1907979	9.065	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1313251	9.281	ppbv	100
13) Ethanol	3.65	45	99924	6.292	ppbv	100
14) Bromoethene	3.79	108	521377	9.348	ppbv	100
15) Acetone	3.90	43	1187523	8.306	ppbv	99
16) 1,3-Butadiene	3.36	39	561871	9.163	ppbv	98
17) tert-Butyl alcohol	4.35	59	1097003	10.102	ppbv	100
18) 1,1-Dichloroethene	4.35	96	569997	9.331	ppbv	97
19) Isopropyl Alcohol	4.02	45	798798	9.094	ppbv	100
20) Methylene Chloride	4.41	84	494791	9.114	ppbv	97
21) Allyl Chloride	4.48	41	849392	9.815	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	590324	9.626	ppbv	99
23) Vinyl Acetate	5.15	43	1887295	10.159	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1294110	9.208	ppbv	99
25) Ethyl Acetate	5.77	43	2193835	9.431	ppbv	100
26) Hexane	5.78	57	957309	9.574	ppbv	99
27) Carbon Disulfide	4.62	76	1452259	10.619	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1663297	9.877	ppbv	100
29) Chloroform	5.85	83	1677362	9.330	ppbv	97
30) Cyclohexane	7.25	84	876687	10.441	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1002345	10.077	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	1754508	9.451	ppbv	99
34) 2-Butanone	5.33	43	1469194	9.418	ppbv	100
35) Carbon Tetrachloride	7.13	117	1950412	9.742	ppbv	100
36) Benzene	7.00	78	2112161	9.669	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1329126	8.720	ppbv	99
38) Trichloroethene	7.96	130	868065	10.833	ppbv	98
39) 1,2-Dichloropropane	7.74	63	904963	11.116	ppbv	98
40) 1,4-Dioxane	7.95	88	302987	9.312	ppbv	91
41) Tetrahydrofuran	6.15	42	834059	10.346	ppbv	100
42) Bromodichloromethane	7.92	83	1900207	9.656	ppbv	99
43) Methyl Methacrylate	8.14	69	872361	10.617	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033663.D
Acq On : 6 May 2019 17:51
Operator : SY/AP
Sample : VL0506ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 04:09:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3602290	9.645	ppbv		100
45) t-1,3-Dichloropropene	9.42	75	1222509	12.122	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	1352262	10.744	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	889705	9.516	ppbv		99
48) Dibromochloromethane	10.45	129	1660234	10.475	ppbv		100
49) Bromoform	13.20	173	1484993	10.786	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2349977	9.949	ppbv		99
51) 2-Hexanone	10.27	43	1941353	10.608	ppbv		100
52) Tetrachloroethene	11.37	164	830345	10.729	ppbv		99
53) Toluene	9.95	91	2549887	10.804	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1425300	10.120	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1125750	7.699	ppbv	#	61
57) Chlorobenzene	12.30	112	2002827	7.695	ppbv		99
58) Ethyl Benzene	12.86	91	3567627	8.630	ppbv		97
59) m/p-Xylene	13.15	91	2451660	6.733	ppbv	#	1
60) o-Xylene	13.85	91	3030940	8.225	ppbv		100
61) Styrene	13.68	104	2251426	9.176	ppbv		100
62) Isopropylbenzene	14.83	105	3966155	7.883	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2042455	7.616	ppbv		100
64) n-propylbenzene	15.72	120	1018034	7.830	ppbv		99
65) tert-Butylbenzene	16.91	119	3529288	7.647	ppbv		99
66) Benzyl Chloride	17.16	91	1967747	9.372	ppbv		100
67) sec-Butylbenzene	17.46	105	4948804	7.685	ppbv		100
69) p-Isopropyltoluene	17.81	119	4168251	7.856	ppbv		100
70) n-Butylbenzene	18.71	91	4378598	7.782	ppbv		100
71) 2-Chlorotoluene	15.62	91	2951057	7.939	ppbv		100
72) 4-Ethyltoluene	16.00	105	3453696	7.974	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3282261	7.838	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	3437881	7.385	ppbv		95
75) 1,3-Dichlorobenzene	17.16	146	2000527	7.115	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	2017324	7.561	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1941271	7.453	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	1339092	6.487	ppbv		100
79) Naphthalene	22.41	128	3959881	9.317	ppbv		100
80) Naphthalene,2-methyl-	25.11	142	2636402	16.408	ppbv		100
81) 1,2,4-Trichlorobenzene	22.14	180	2105392	8.527	ppbv		99

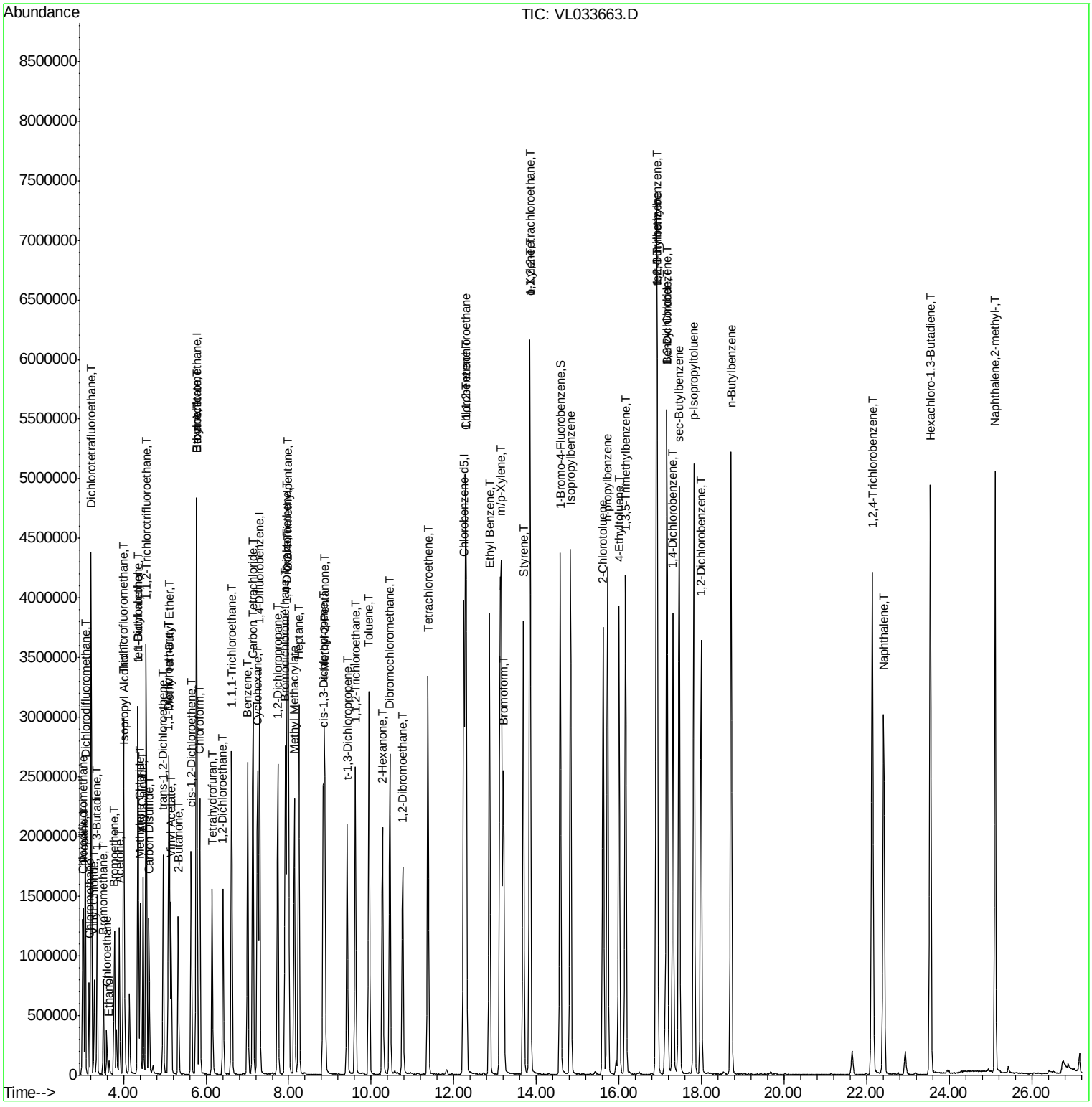
(#) = qualifier out of range (m) = manual integration (+) = signals summed

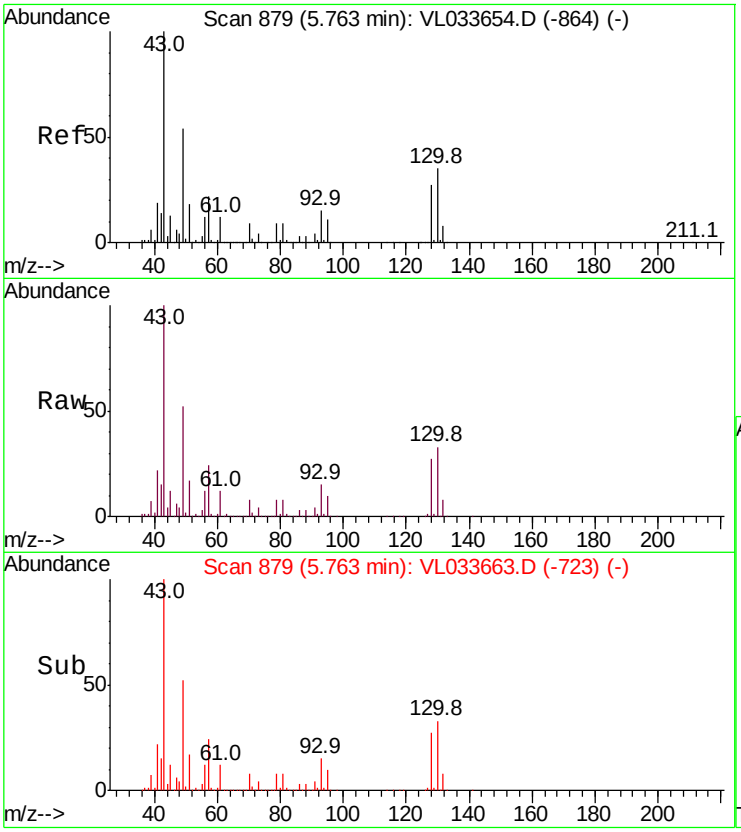
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050619\
Data File : VL033663.D
Acq On : 6 May 2019 17:51
Operator : SY/AP
Sample : VL0506ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 04:09:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration



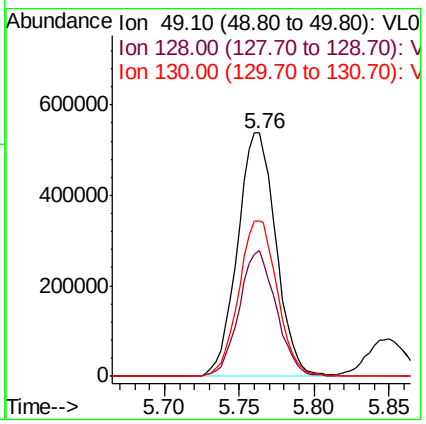


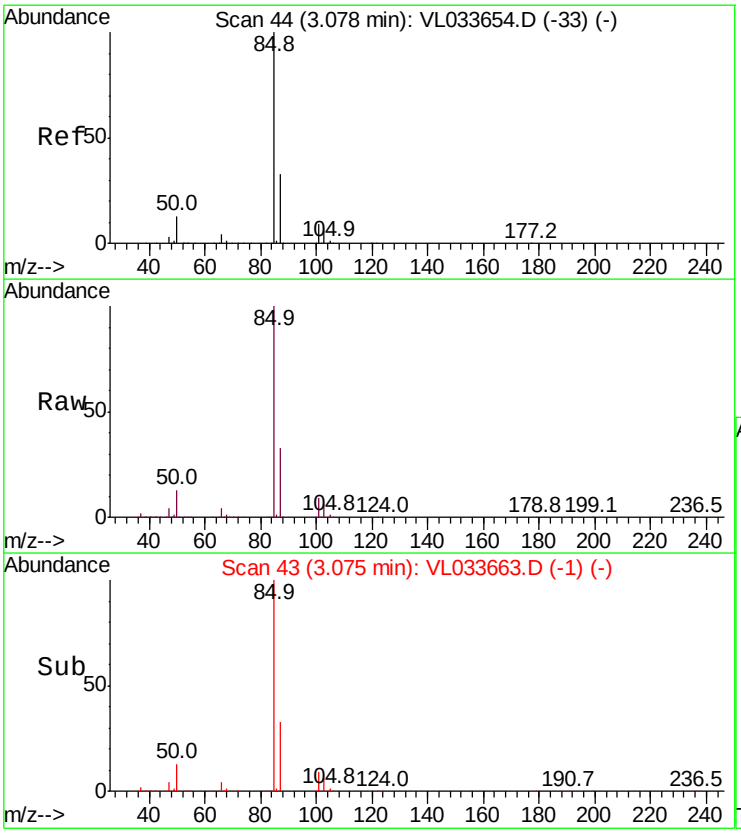
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 961048

Ion	Ratio	Lower	Upper
49	100		
128	49.9	24.8	74.3
130	64.3	32.1	96.5

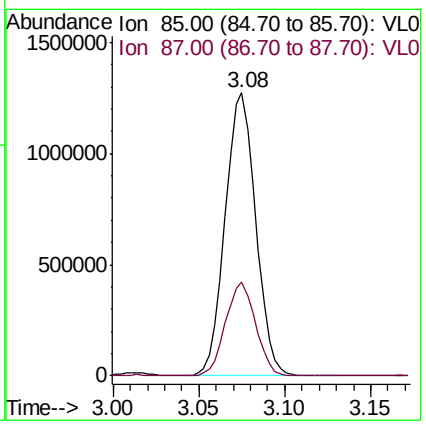


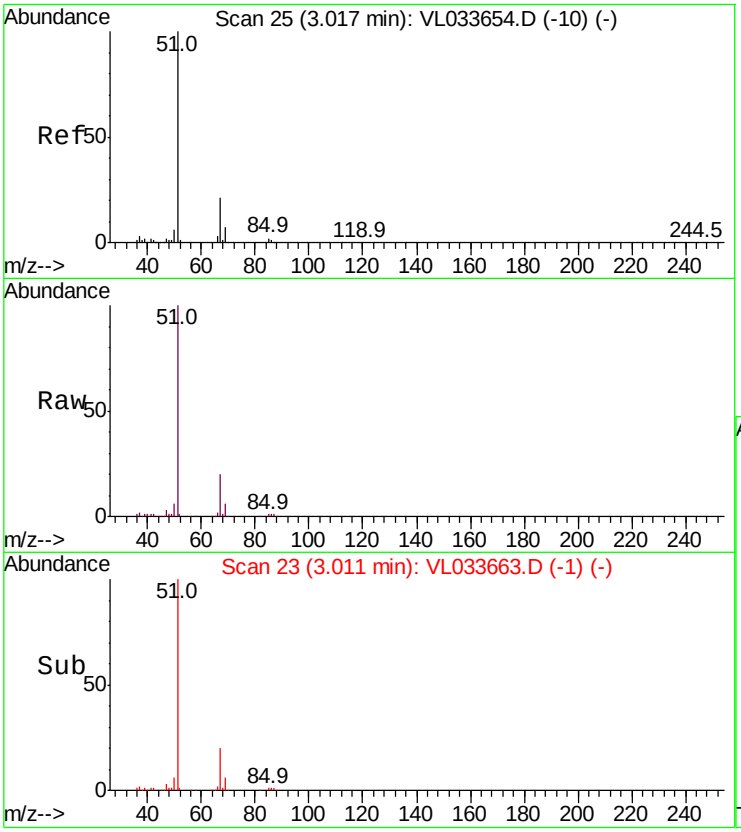


#2
Dichlorodifluoromethane
Concen: 6.984 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 85 Resp: 1574309

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.0	39.0



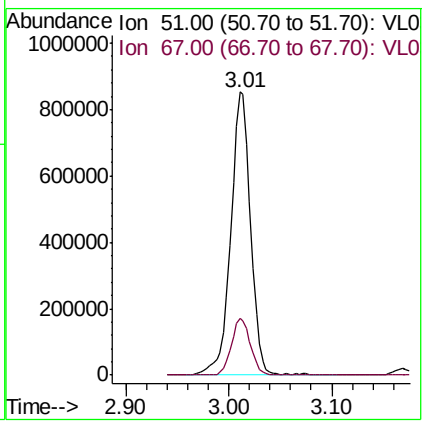


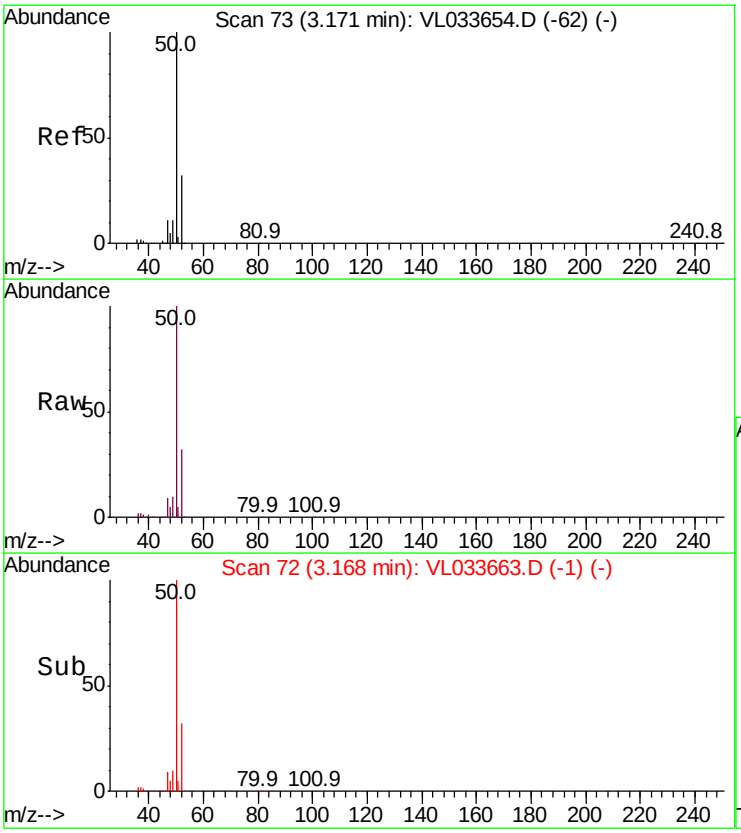
#3
Chlorodifluoromethane
Concen: 8.265 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1147035

Ion	Ratio	Lower	Upper
51	100		
67	19.2	15.7	23.5

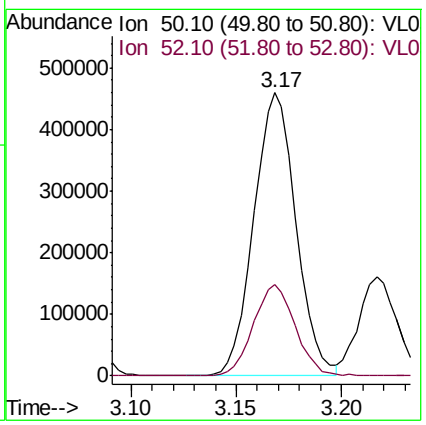


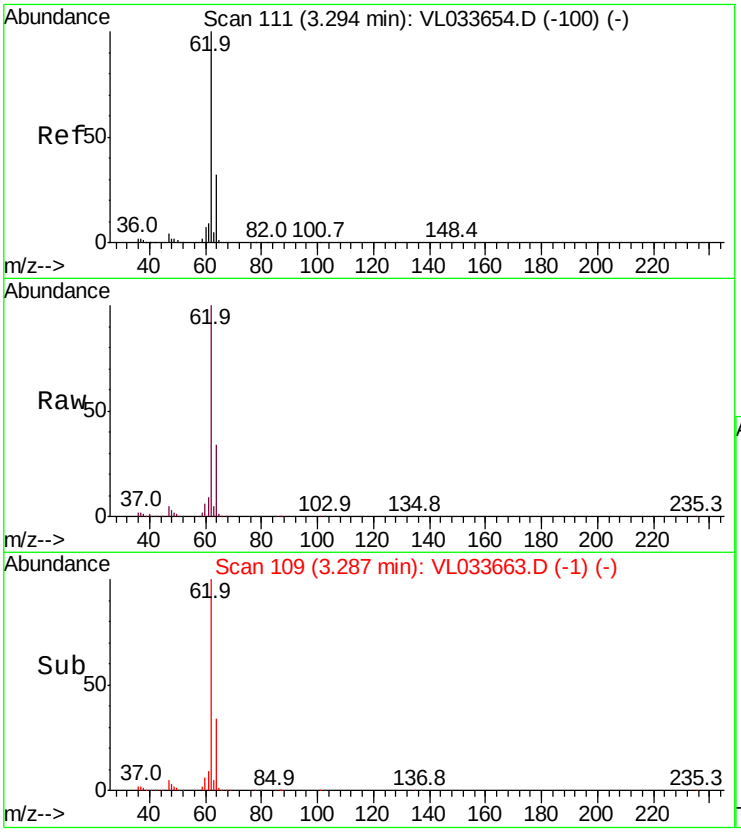


#4
Chloromethane
Concen: 8.869 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 50 Resp: 639964

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.8	38.8



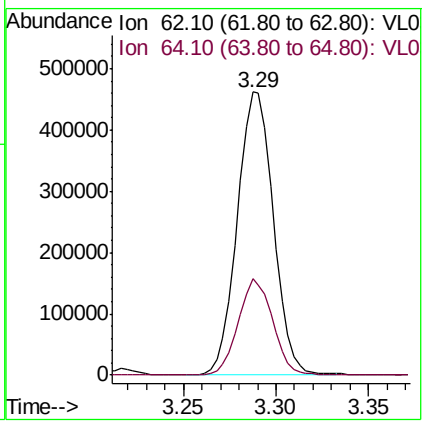


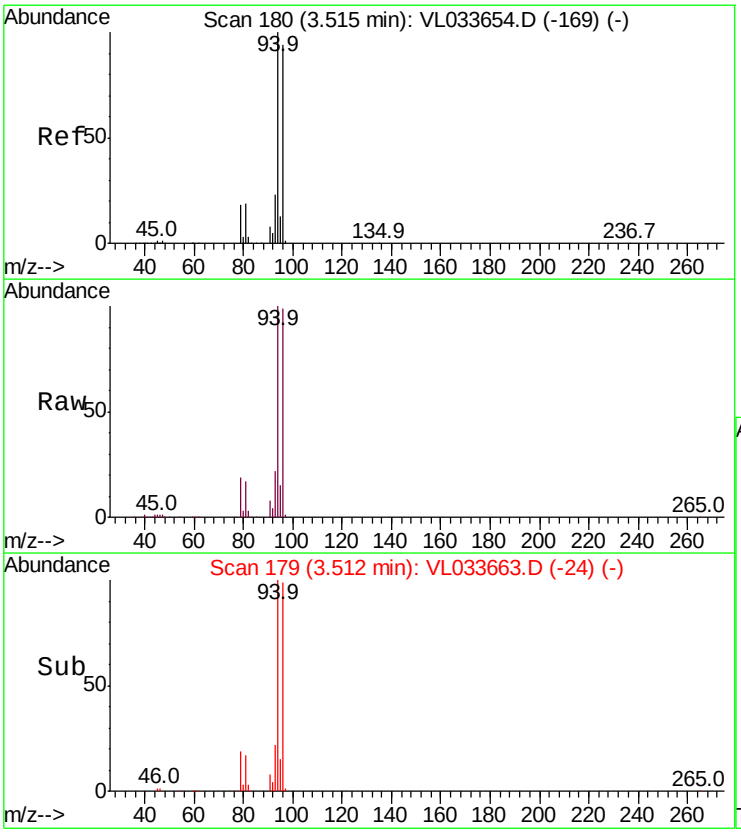
#5
Vinyl Chloride
Concen: 8.938 ppbv
RT: 3.29 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 626998

Ion	Ratio	Lower	Upper
62	100		
64	34.2	25.6	38.4

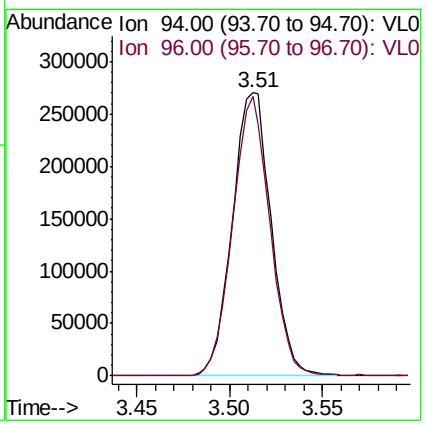


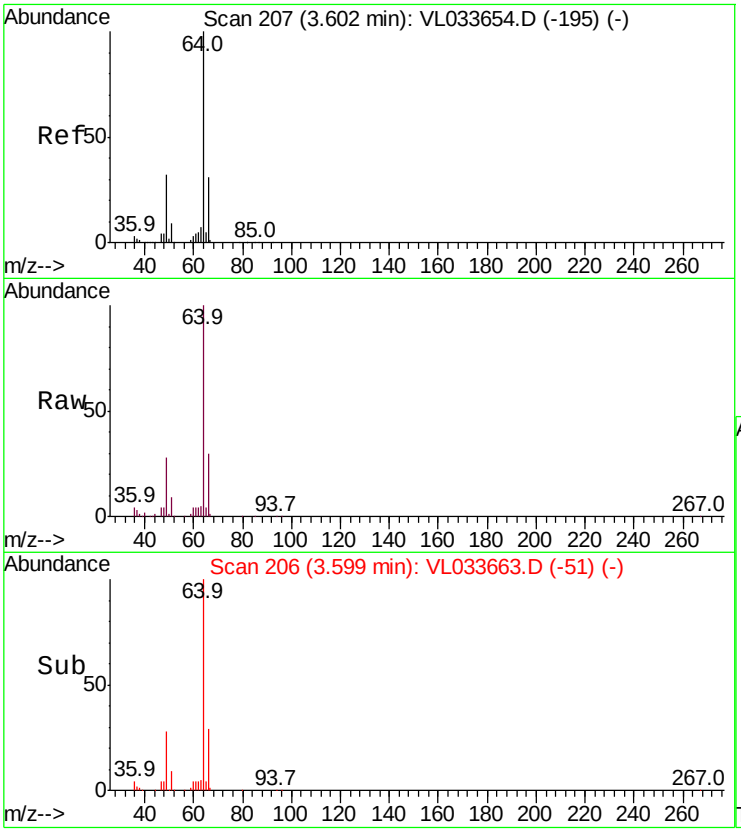


#6
Bromomethane
Concen: 8.842 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 94 Resp: 394035

Ion	Ratio	Lower	Upper
94	100		
96	98.6	75.2	112.8



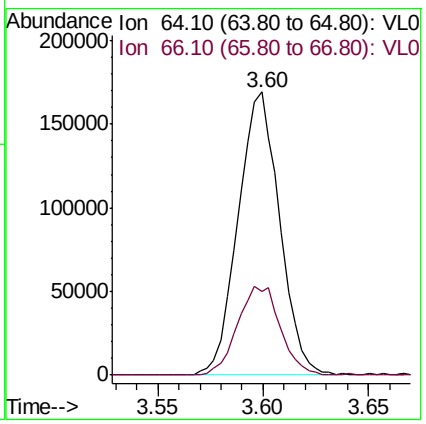


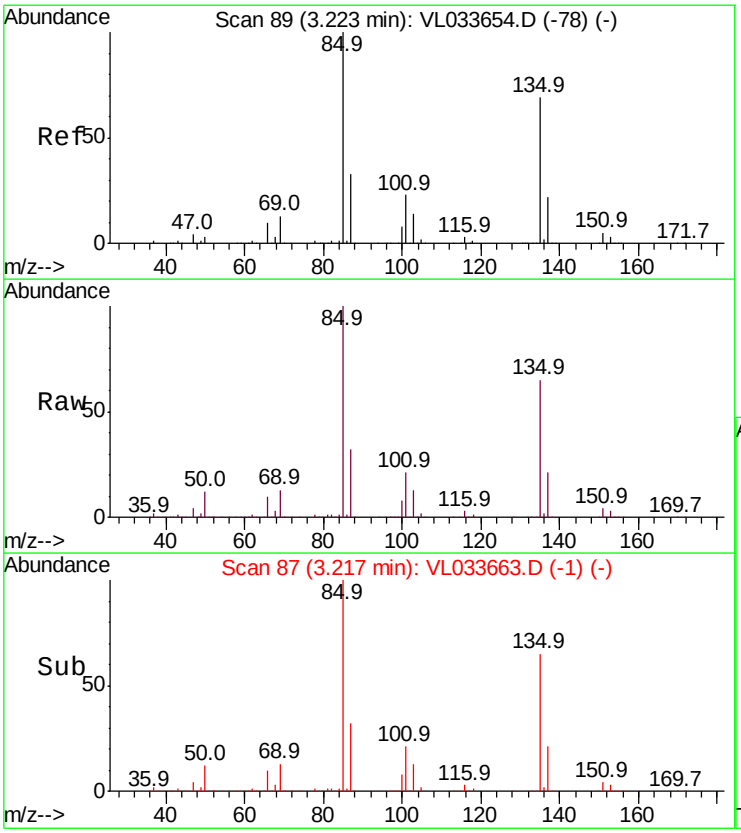
#7
Chloroethane
Concen: 9.091 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 231518

Ion	Ratio	Lower	Upper
64	100		
66	29.6	25.1	37.7

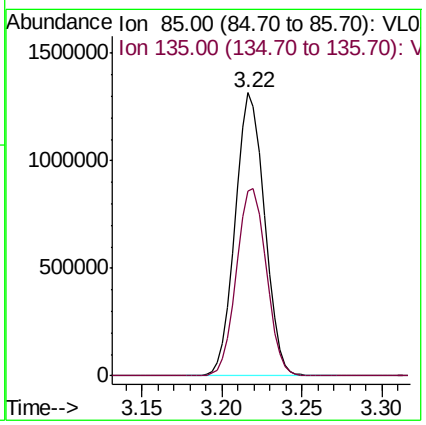


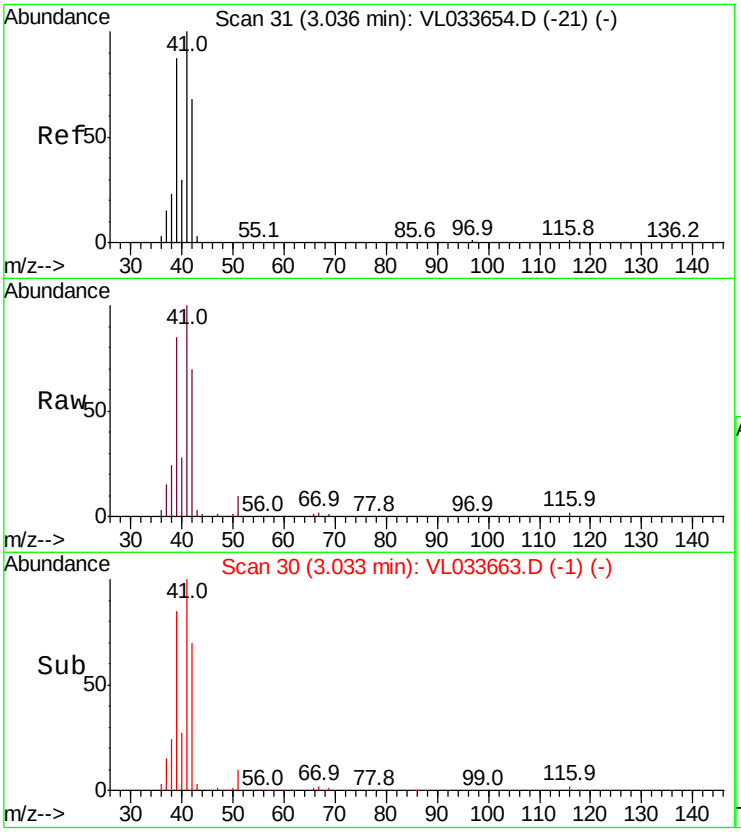


#8
Dichlorotetrafluoroethane
Concen: 8.825 ppbv
RT: 3.22 min Scan# 87
Delta R.T. -0.01 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 85 Resp: 1637306

Ion	Ratio	Lower	Upper
85	100		
135	67.6	54.3	81.5



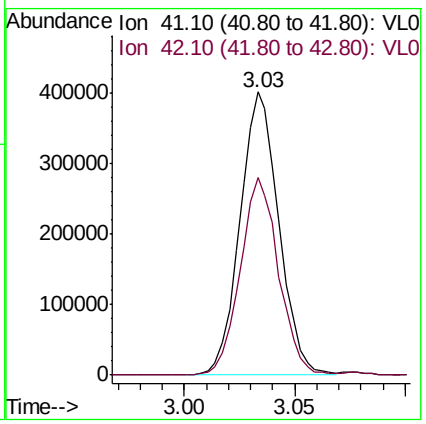


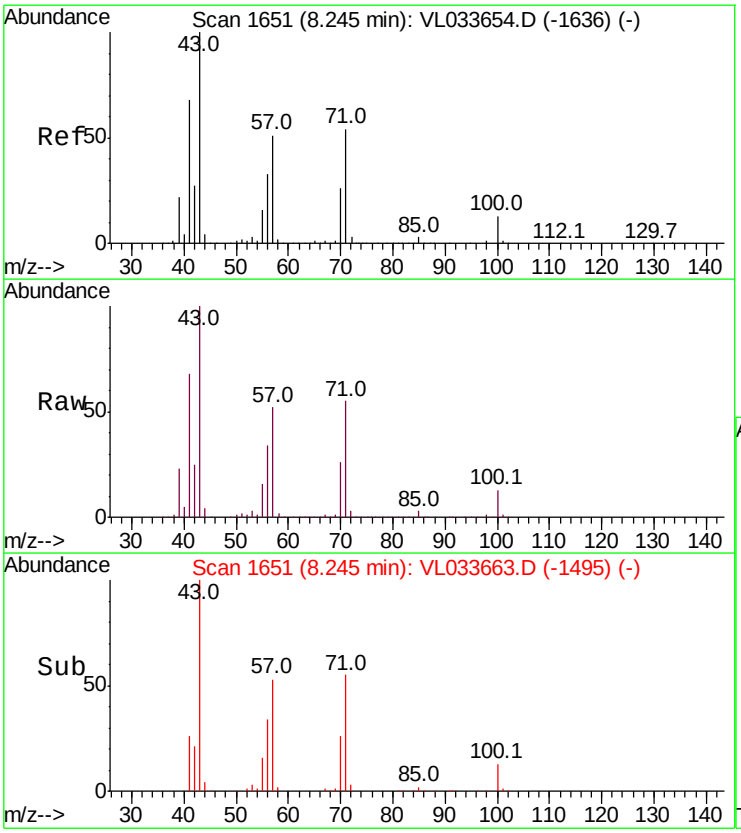
#9
Propene
Concen: 9.276 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 490796

Ion	Ratio	Lower	Upper
41	100		
42	69.9	55.6	83.4

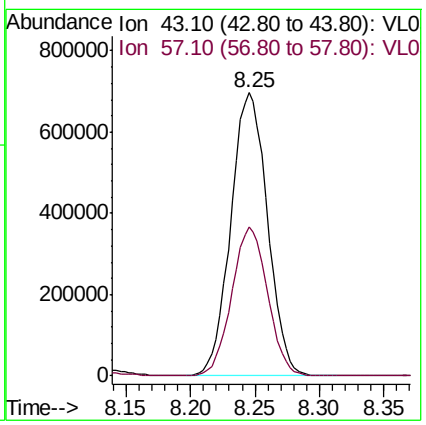


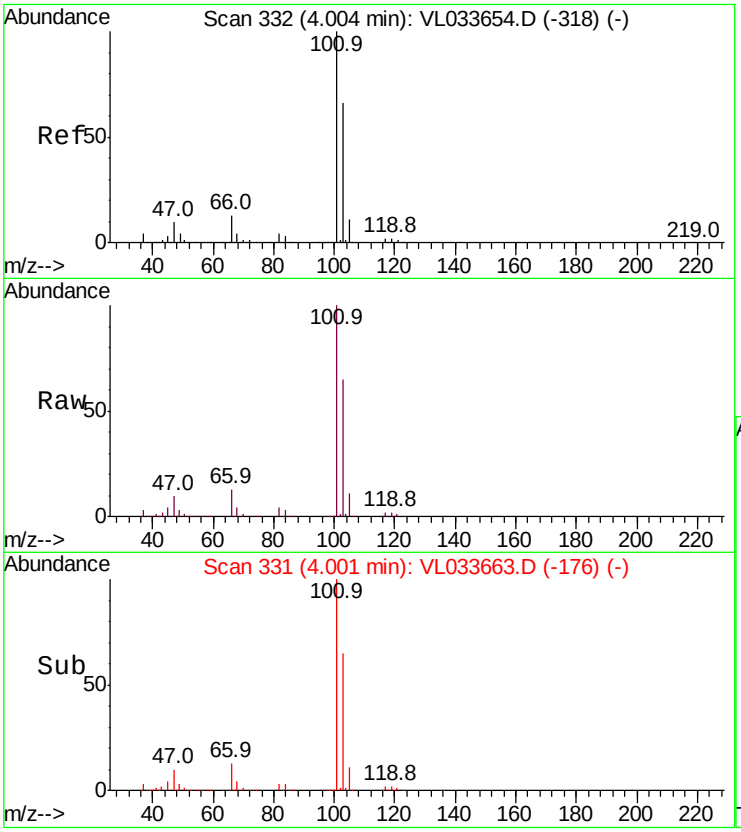


#10
Heptane
Concen: 10.524 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 43 Resp: 1374198

Ion	Ratio	Lower	Upper
43	100		
57	51.3	41.8	62.6



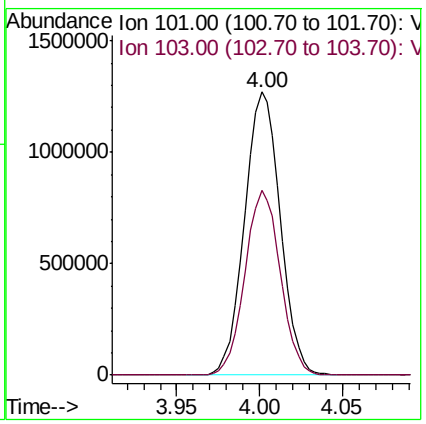


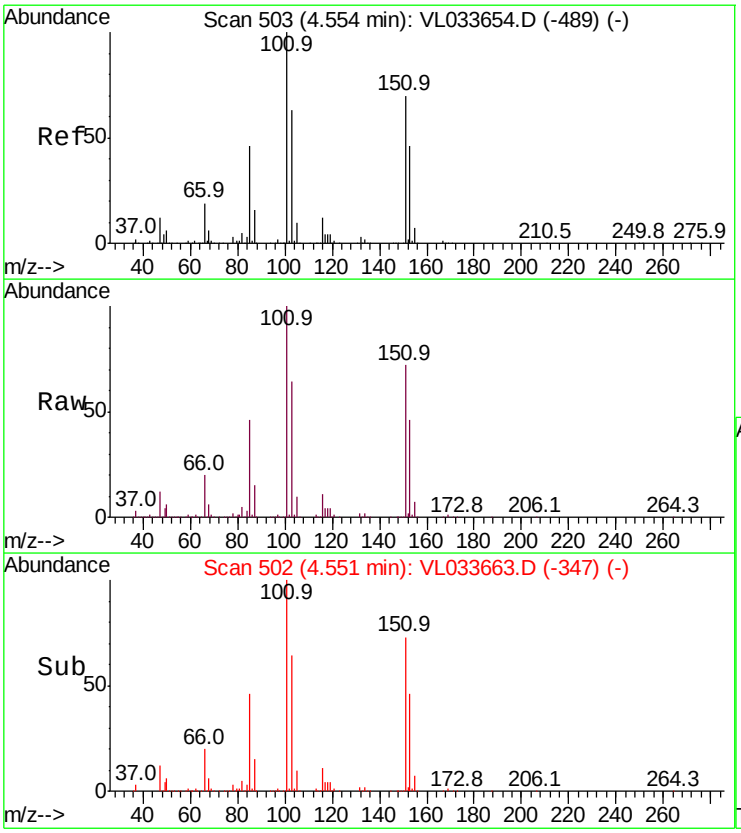
#11
Trichlorofluoromethane
Concen: 9.065 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 1907979

Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.7	79.1

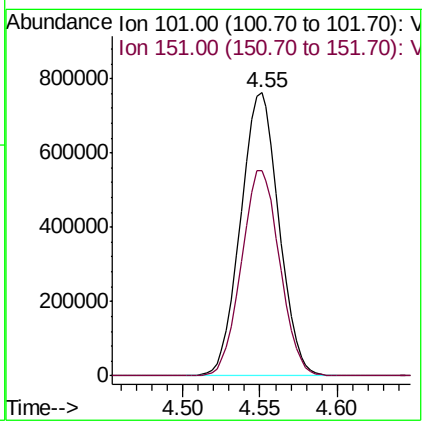


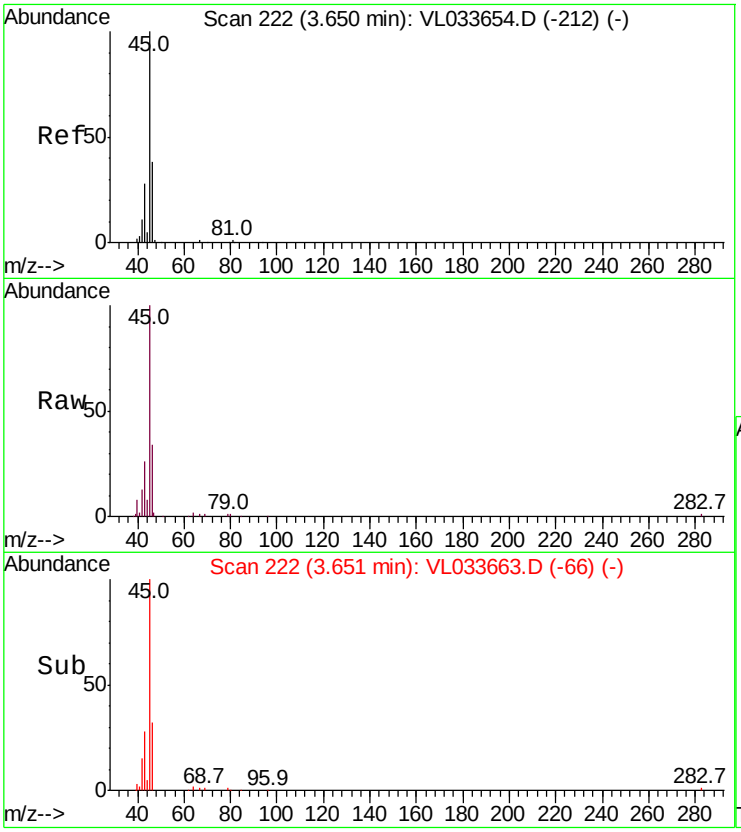


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.281 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:101 Resp: 1313251

Ion	Ratio	Lower	Upper
101	100		
151	72.8	58.0	87.0



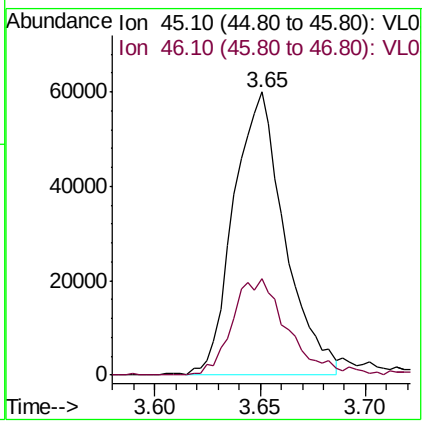


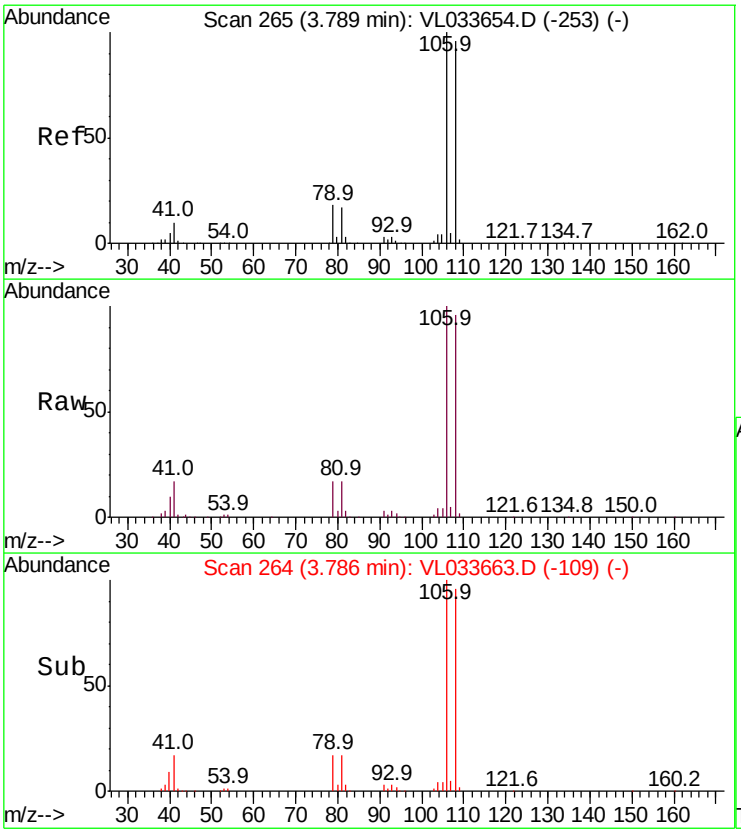
#13
Ethanol
Concen: 6.292 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 99924

Ion	Ratio	Lower	Upper
45	100		
46	37.4	14.9	59.7

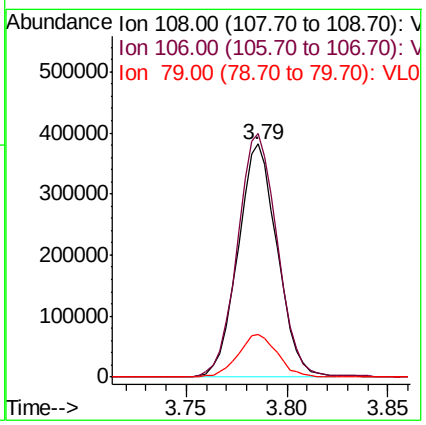


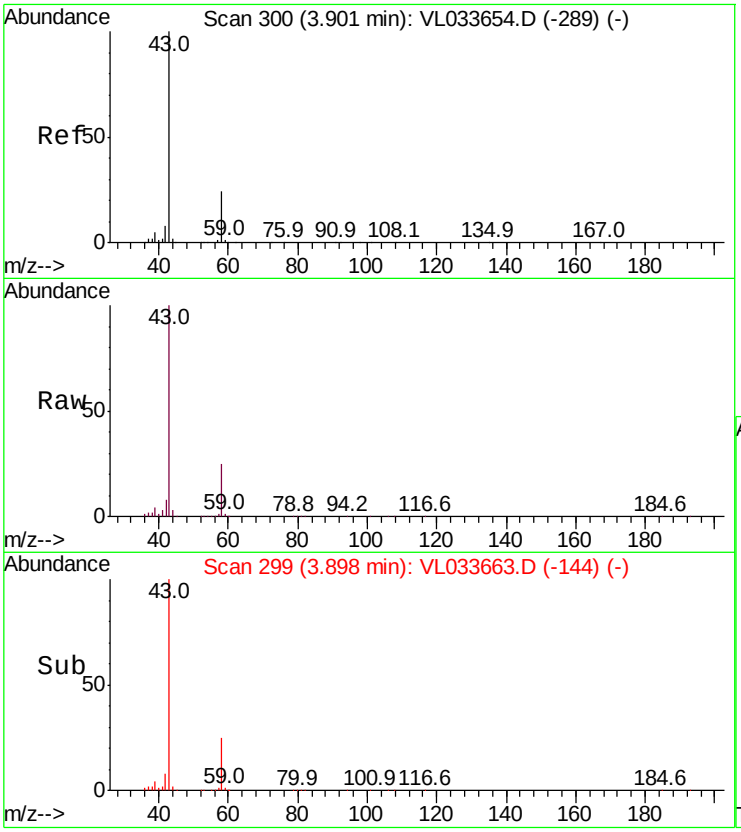


#14
Bromoethene
Concen: 9.348 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:108 Resp: 521377

Ion	Ratio	Lower	Upper
108	100		
106	107.1	85.7	128.5
79	18.6	15.2	22.8



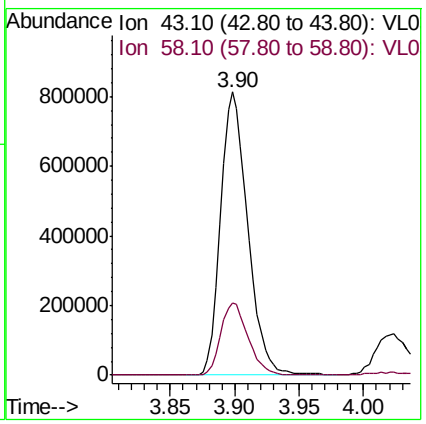


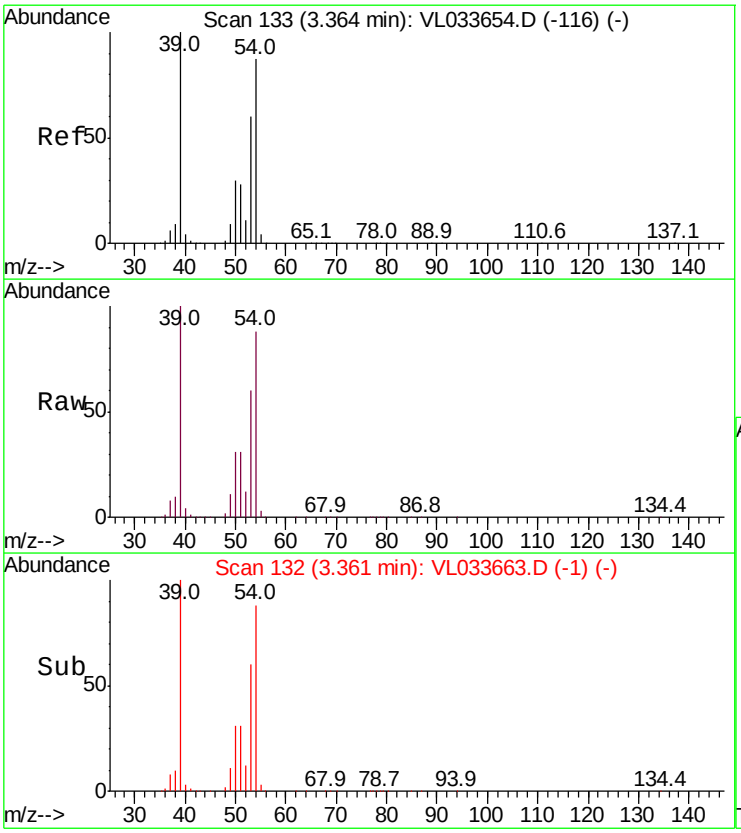
#15
Acetone
Concen: 8.306 ppbv
RT: 3.90 min Scan# 299
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1187523

Ion	Ratio	Lower	Upper
43	100		
58	25.8	20.9	31.3

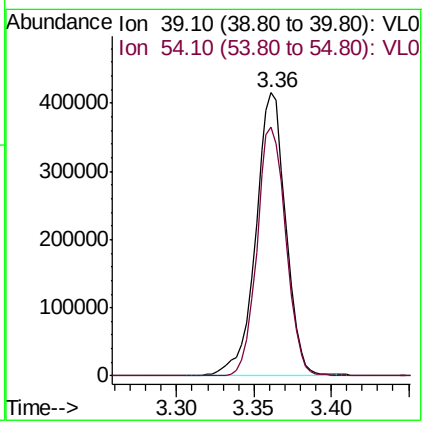


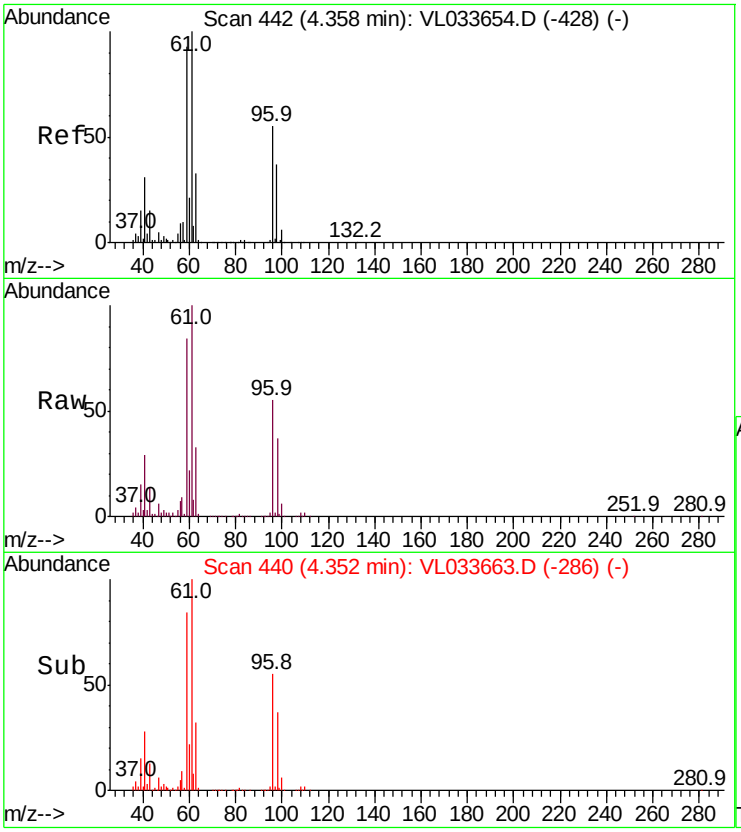


#16
1,3-Butadiene
Concen: 9.163 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 39 Resp: 561871

Ion	Ratio	Lower	Upper
39	100		
54	85.1	67.0	100.4



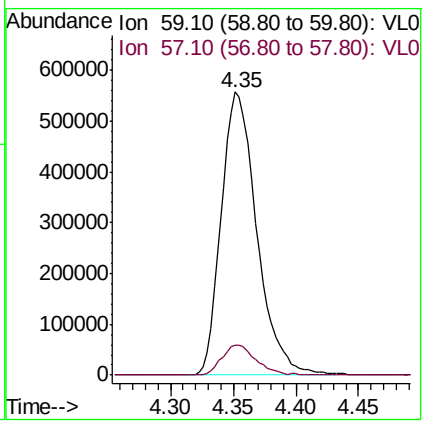


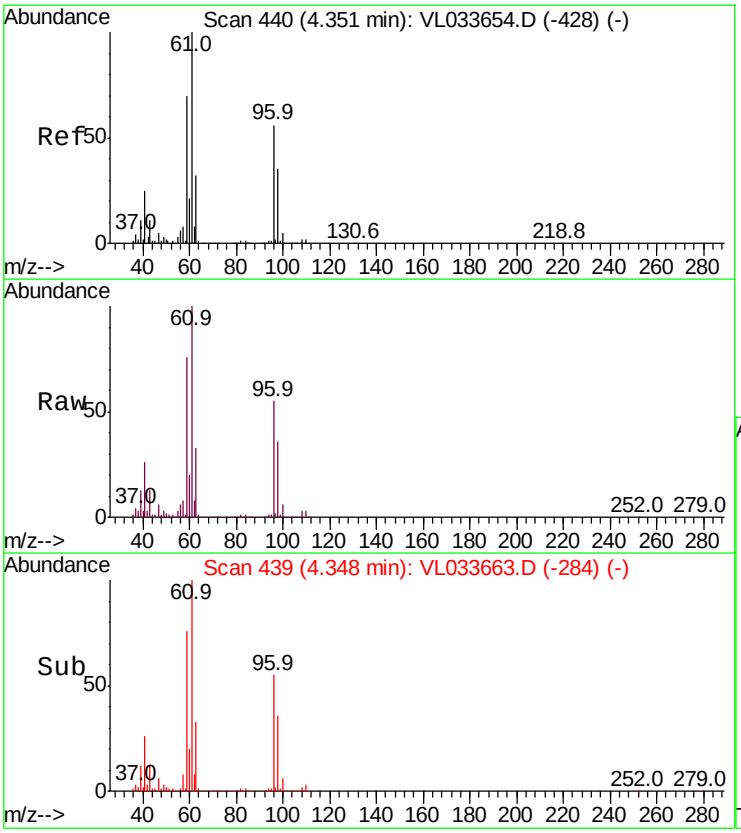
#17
tert-Butyl alcohol
Concen: 10.102 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 1097003

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

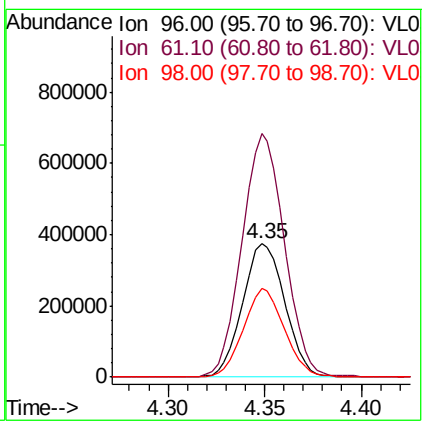


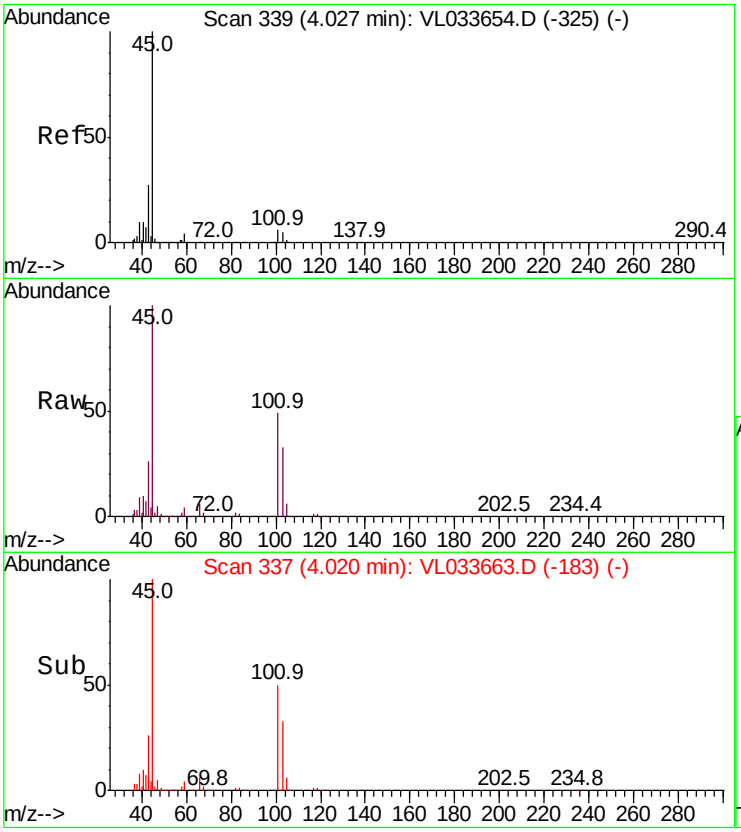


#18
1,1-Dichloroethene
Concen: 9.331 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 96 Resp: 569997

Ion	Ratio	Lower	Upper
96	100		
61	182.7	143.4	215.0
98	66.5	50.4	75.6



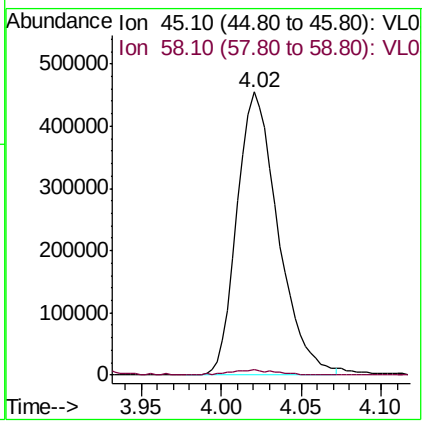


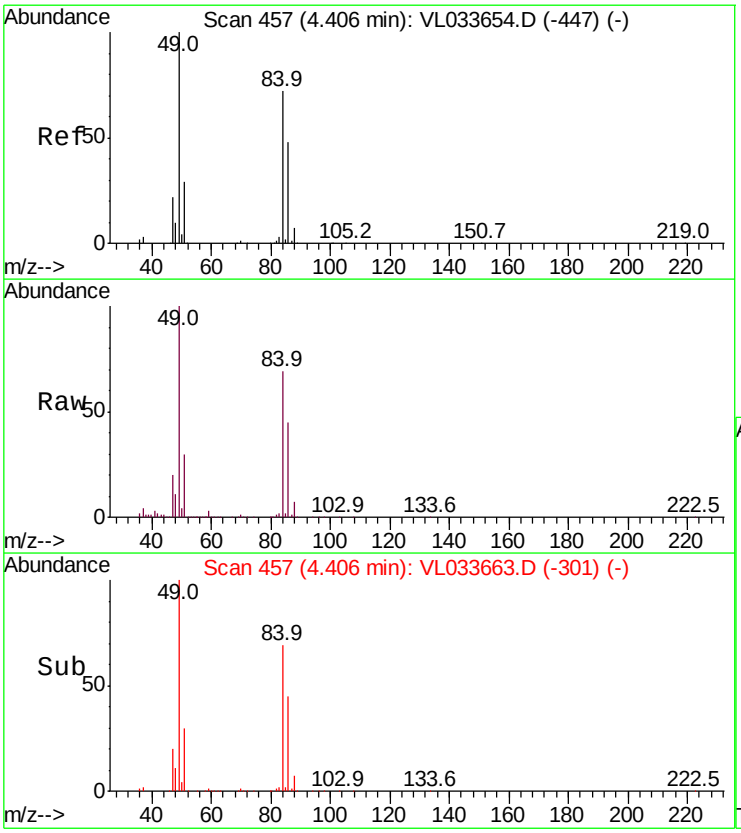
#19
Isopropyl Alcohol
Concen: 9.094 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.01 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 798798

Ion	Ratio	Lower	Upper
45	100		
58	2.6	2.0	3.0

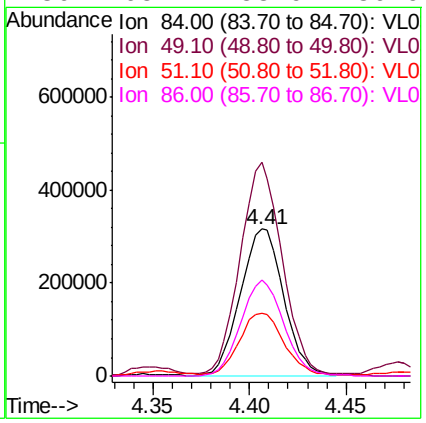


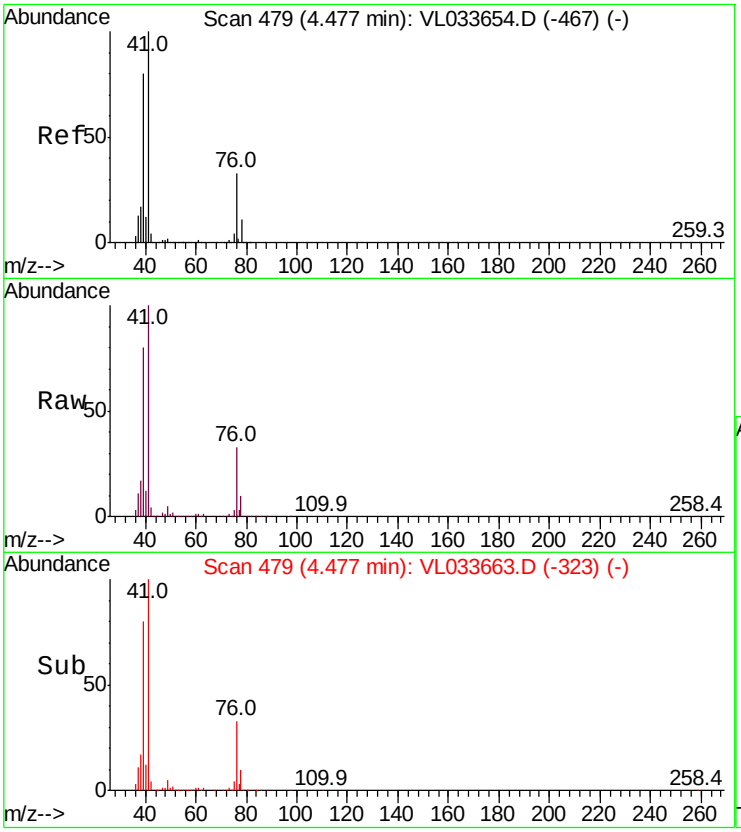


#20
Methylene Chloride
Concen: 9.114 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 84 Resp: 494791

Ion	Ratio	Lower	Upper
84	100		
49	143.8	111.8	167.6
51	41.8	32.3	48.5
86	65.1	53.9	80.9



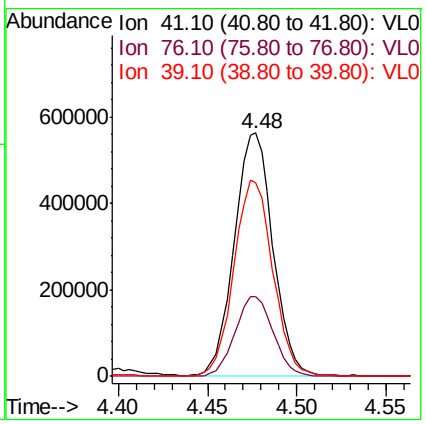


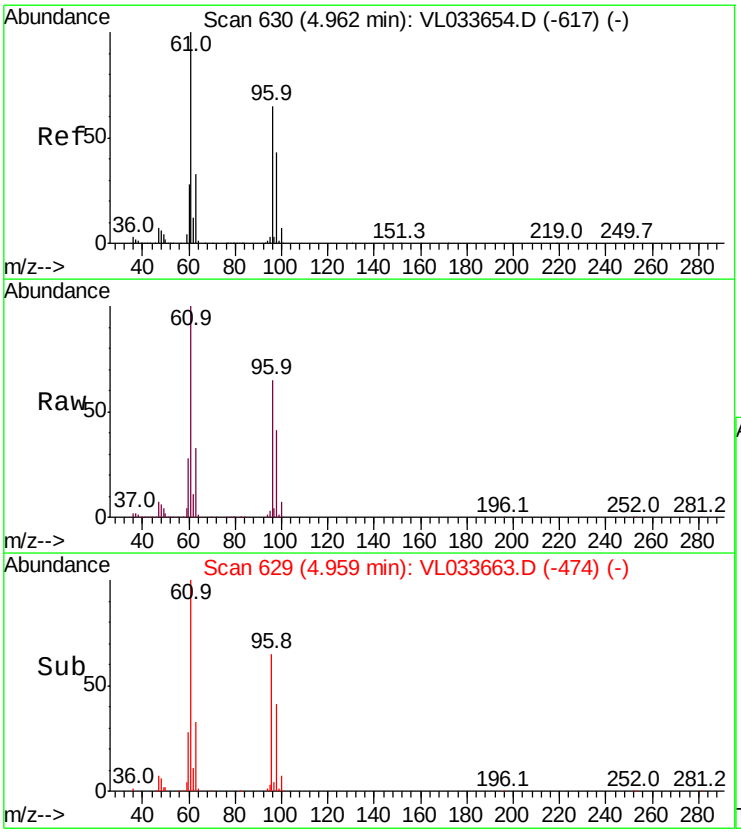
#21
Allyl Chloride
Concen: 9.815 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 849392

Ion	Ratio	Lower	Upper
41	100		
76	32.6	26.0	39.0
39	81.5	64.4	96.6

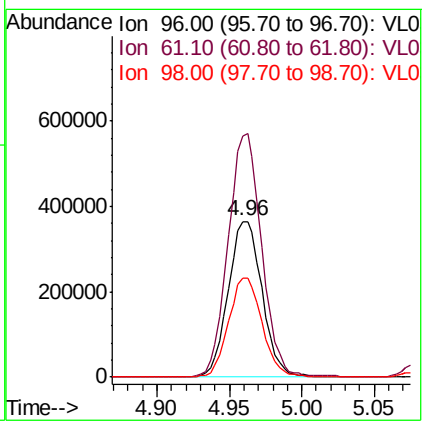


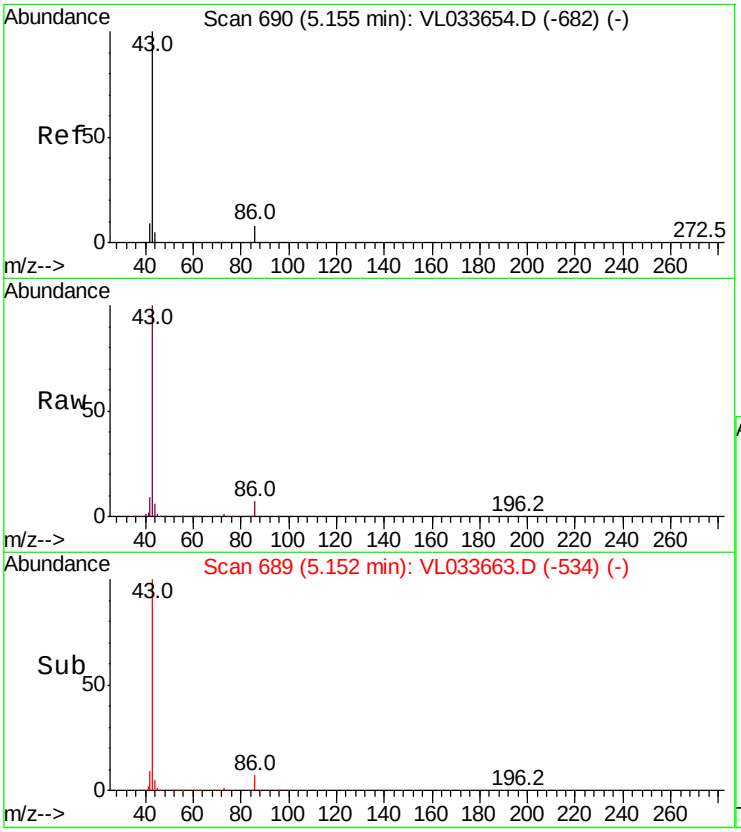


#22
trans-1,2-Dichloroethene
Concen: 9.626 ppbv
RT: 4.96 min Scan# 629
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 96 Resp: 590324

Ion	Ratio	Lower	Upper
96	100		
61	154.5	123.1	184.7
98	63.9	52.6	79.0



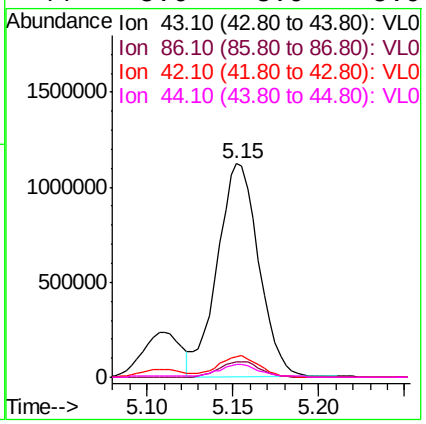


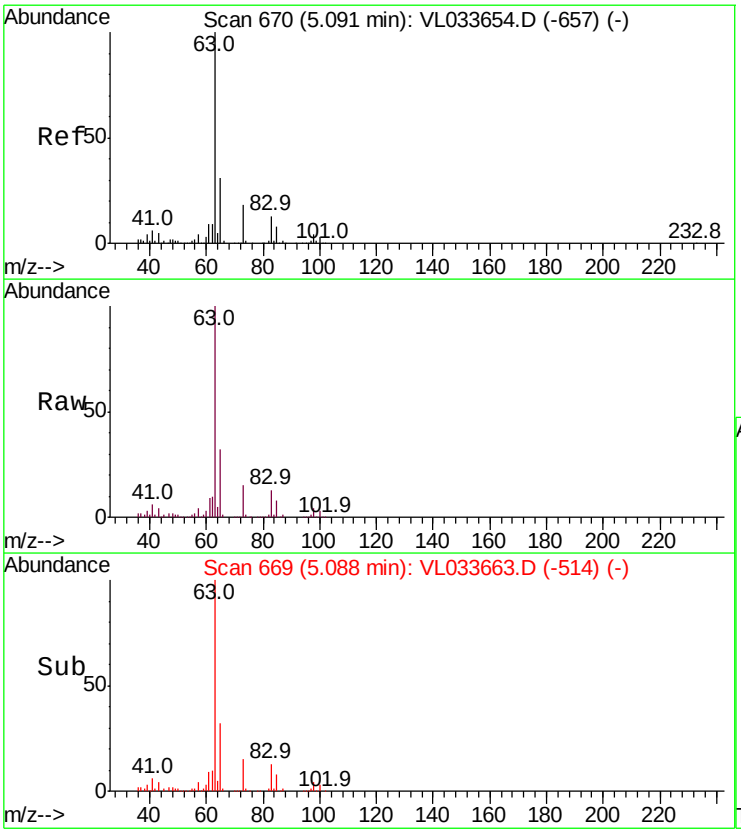
#23
Vinyl Acetate
Concen: 10.159 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1887295

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.0	9.0
42	9.4	8.0	12.0
44	5.6	3.9	5.9

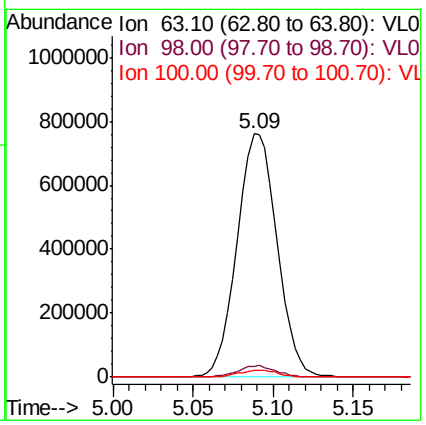


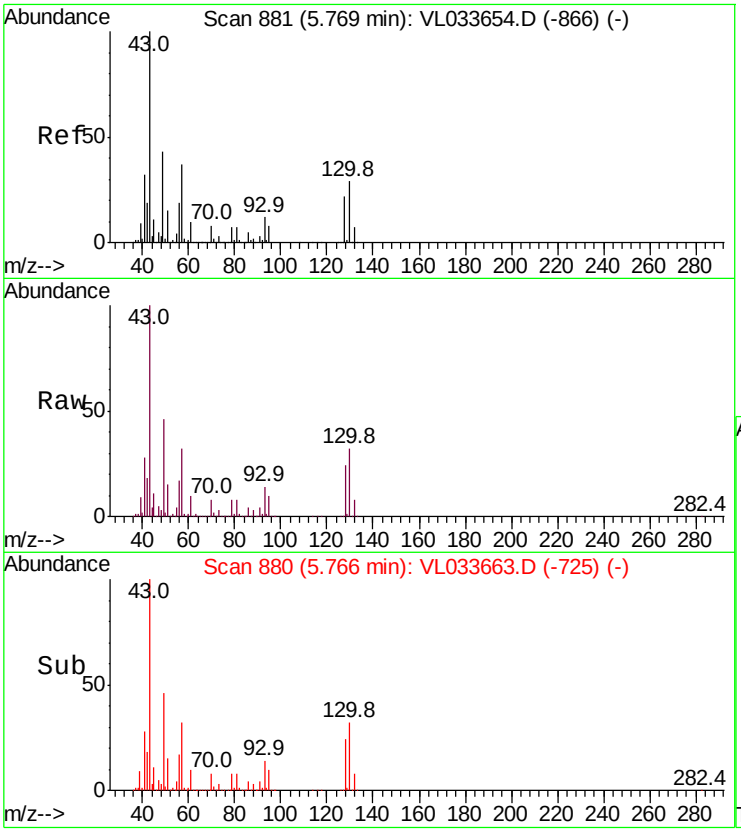


#24
1,1-Dichloroethane
Concen: 9.208 ppbv
RT: 5.09 min Scan# 669
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 63 Resp: 1294110

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	2.6	1.5	4.4



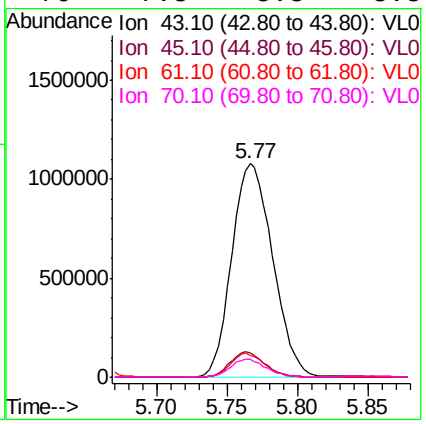


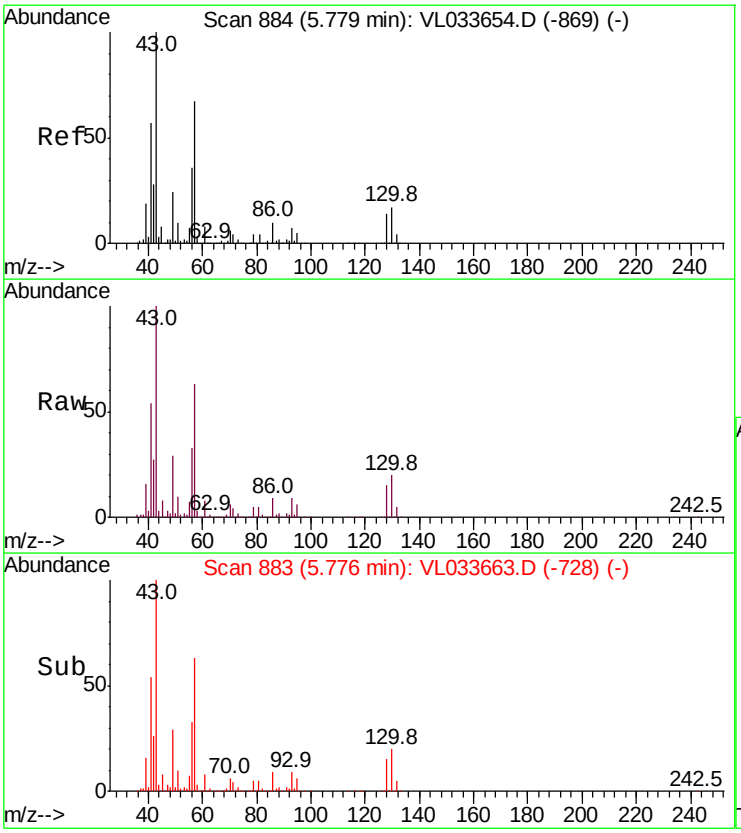
#25
Ethyl Acetate
Concen: 9.431 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2193835

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	9.6	7.5	11.3
70	7.3	5.8	8.8

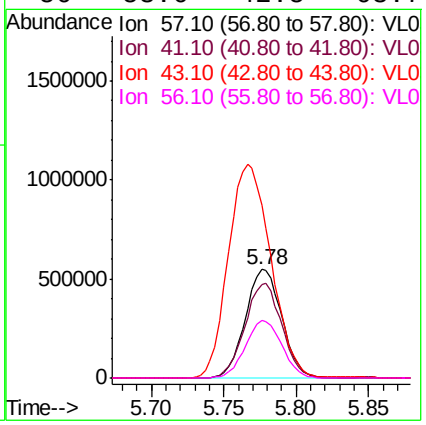


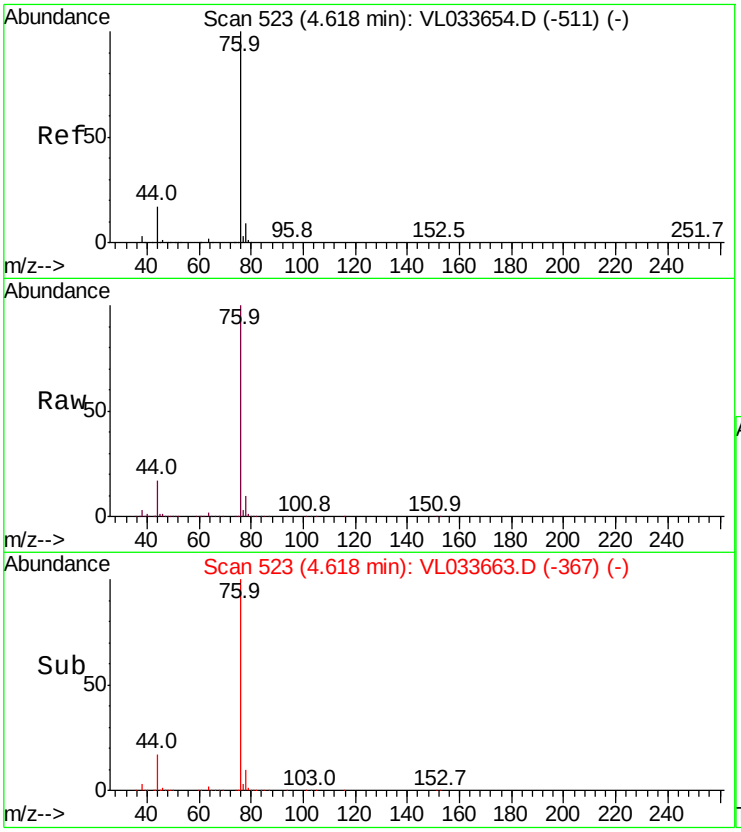


#26
Hexane
Concen: 9.574 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 57 Resp: 957309

Ion	Ratio	Lower	Upper
57	100		
41	88.2	69.7	104.5
43	230.4	181.9	272.9
56	53.6	42.5	63.7



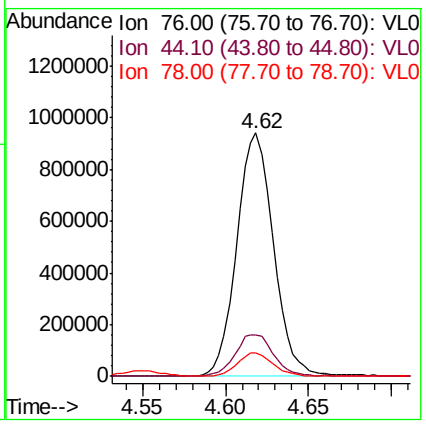


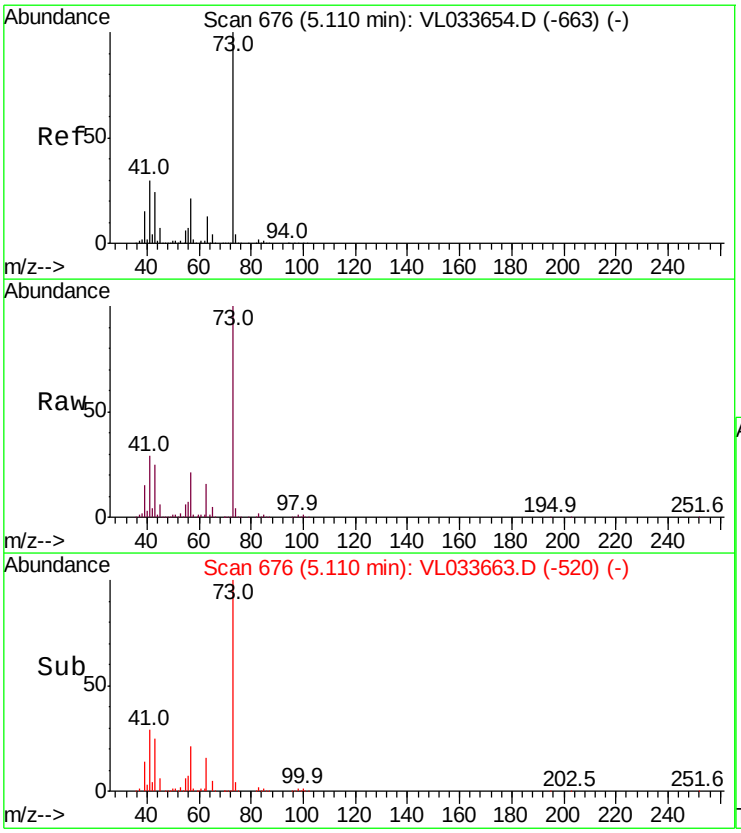
#27
Carbon Disulfide
Concen: 10.619 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 1452259

Ion	Ratio	Lower	Upper
76	100		
44	17.3	14.4	21.6
78	9.2	7.4	11.2

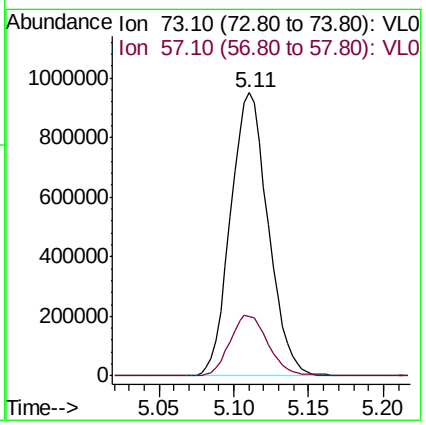


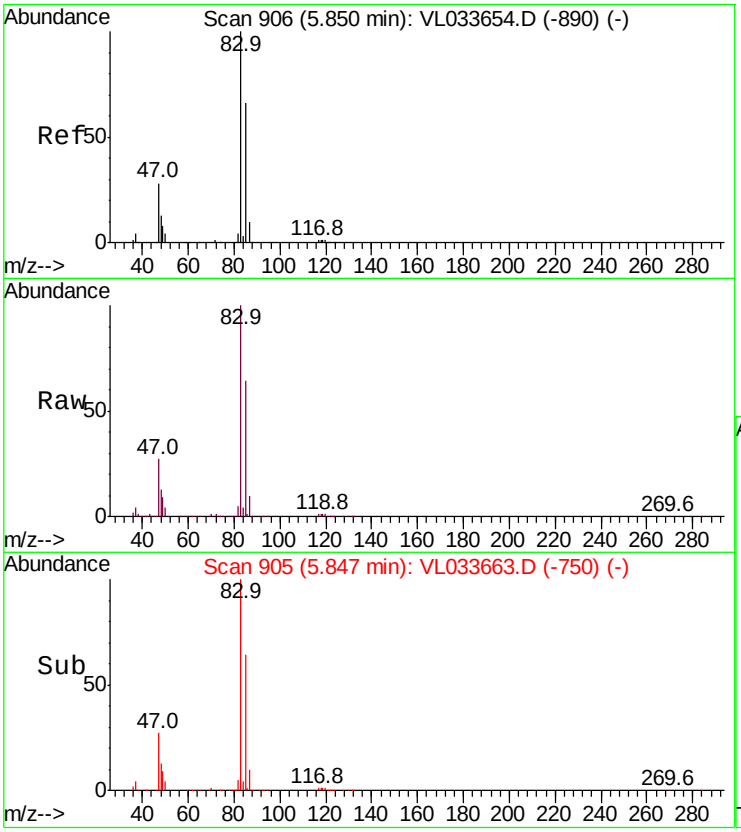


#28
Methyl tert-Butyl Ether
Concen: 9.877 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 73 Resp: 1663297

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0



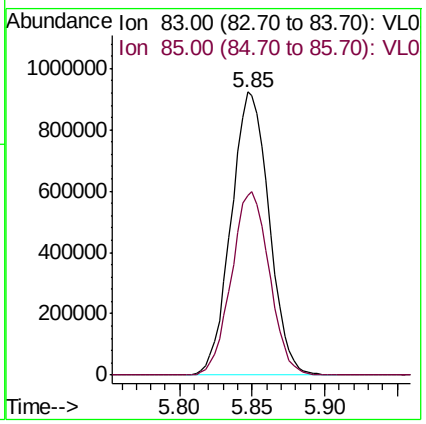


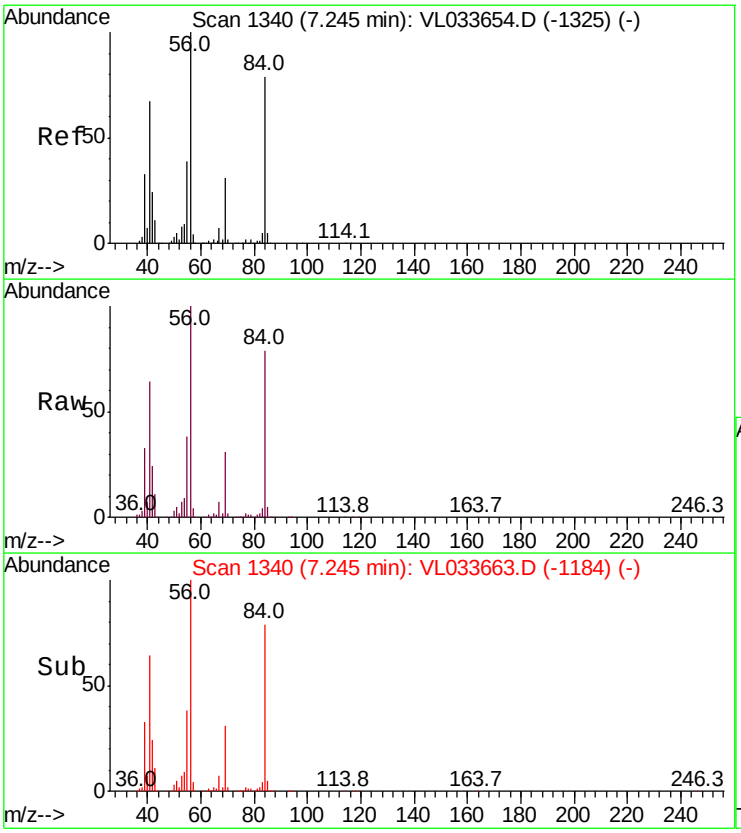
#29
Chloroform
Concen: 9.330 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 1677362

Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	78.8

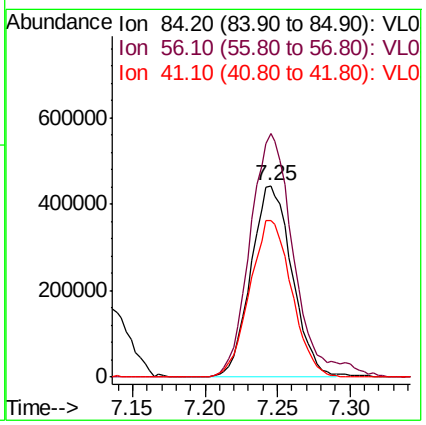


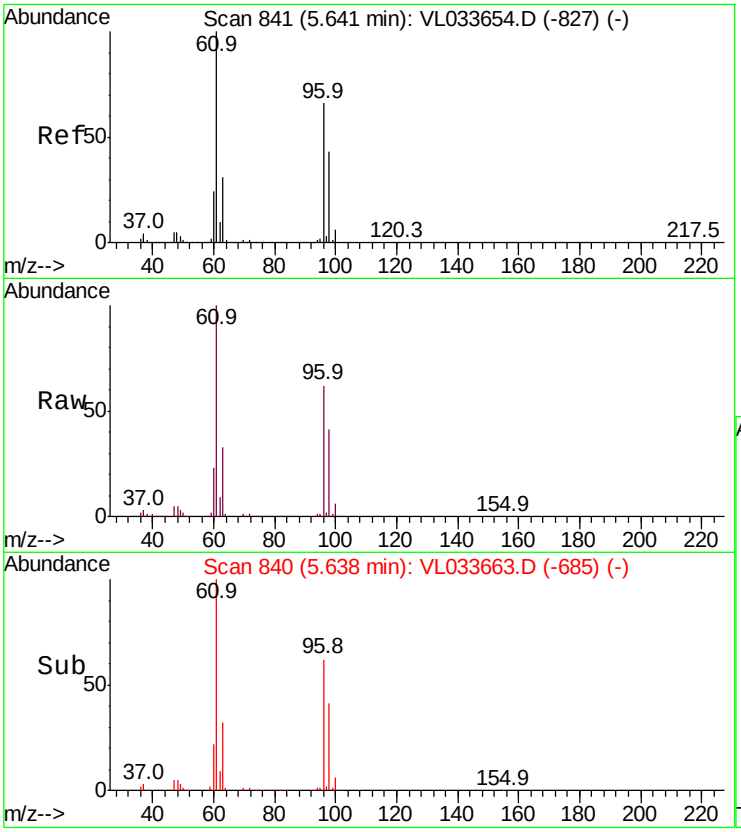


#30
Cyclohexane
Concen: 10.441 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 84 Resp: 876687

Ion	Ratio	Lower	Upper
84	100		
56	135.6	107.0	160.4
41	83.4	66.6	99.8



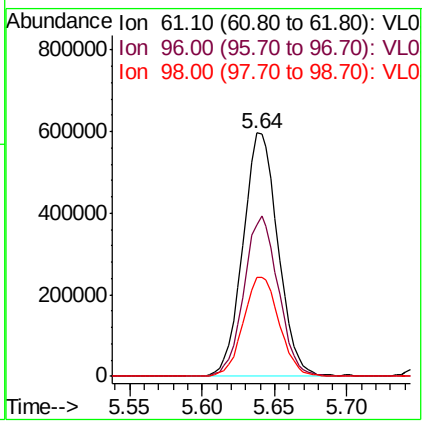


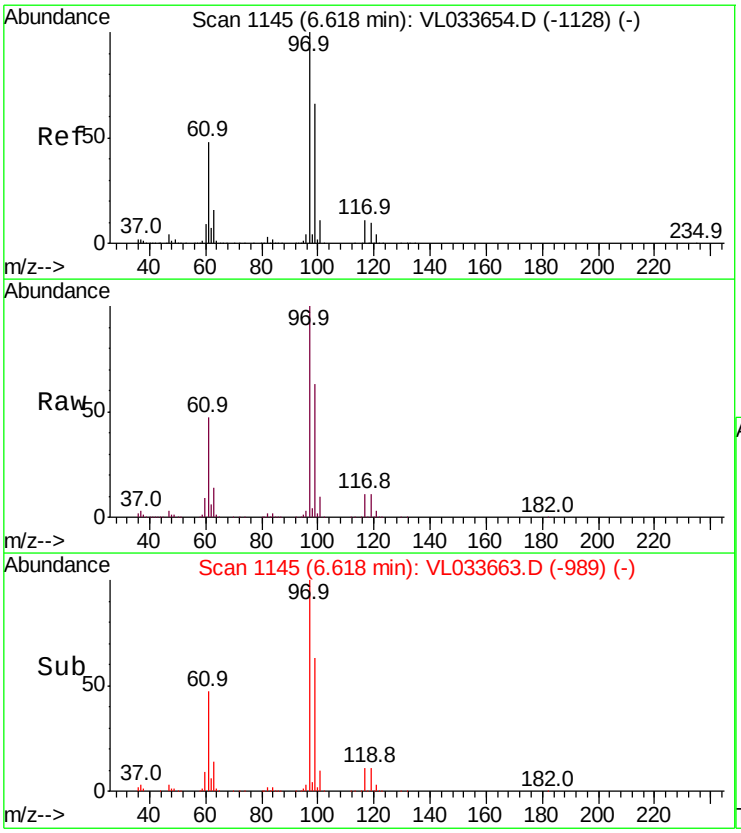
#31
cis-1,2-Dichloroethene
Concen: 10.077 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 1002345

Ion	Ratio	Lower	Upper
61	100		
96	62.1	53.2	79.8
98	40.7	34.2	51.4

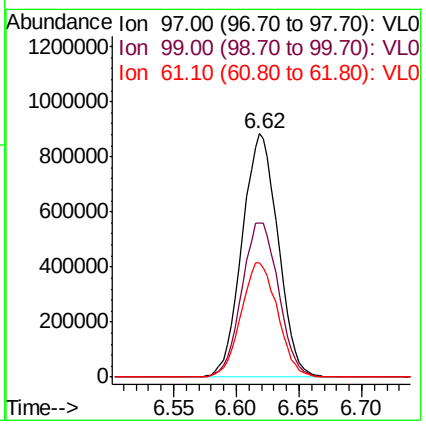


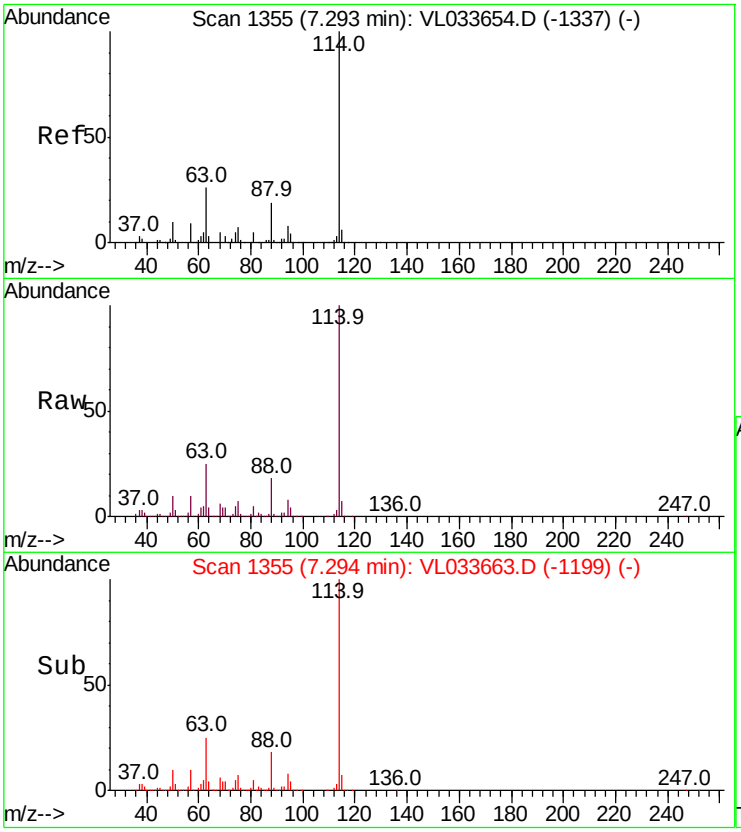


#32
1,1,1-Trichloroethane
Concen: 9.451 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 97 Resp: 1754508

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.2
61	47.8	38.5	57.7



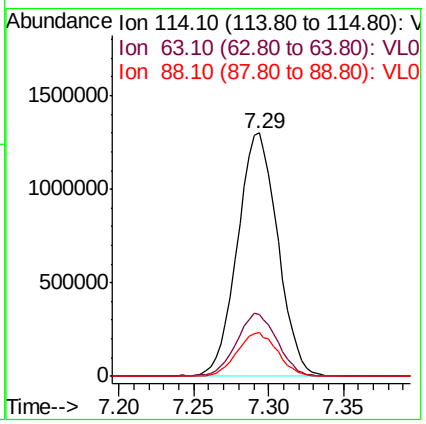


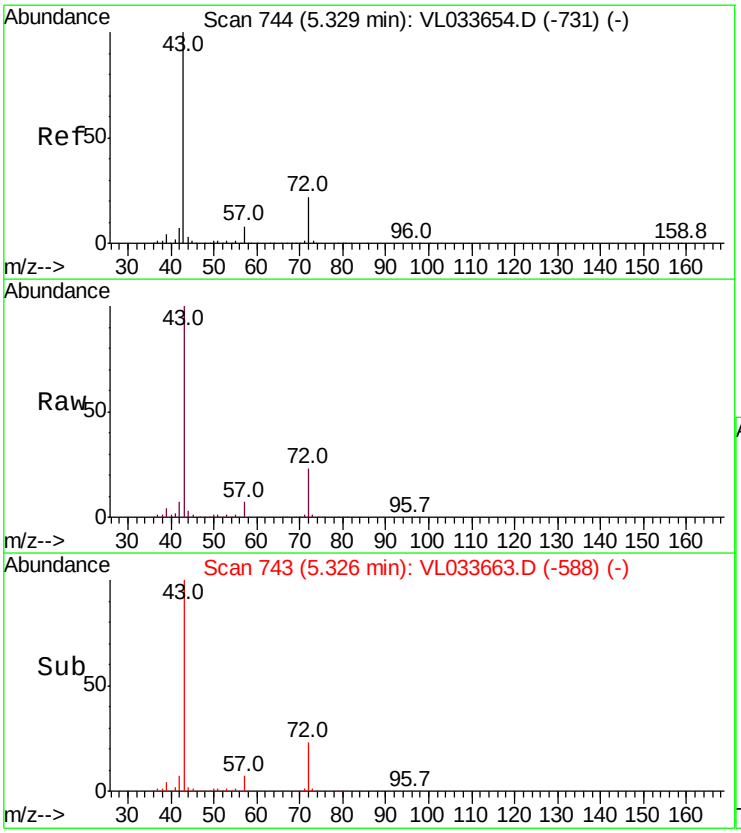
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2436096

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.3	31.9
88	18.1	14.4	21.6

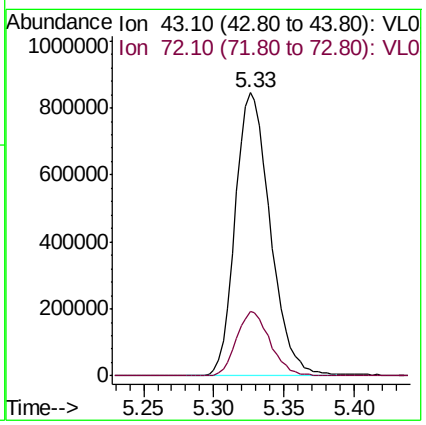


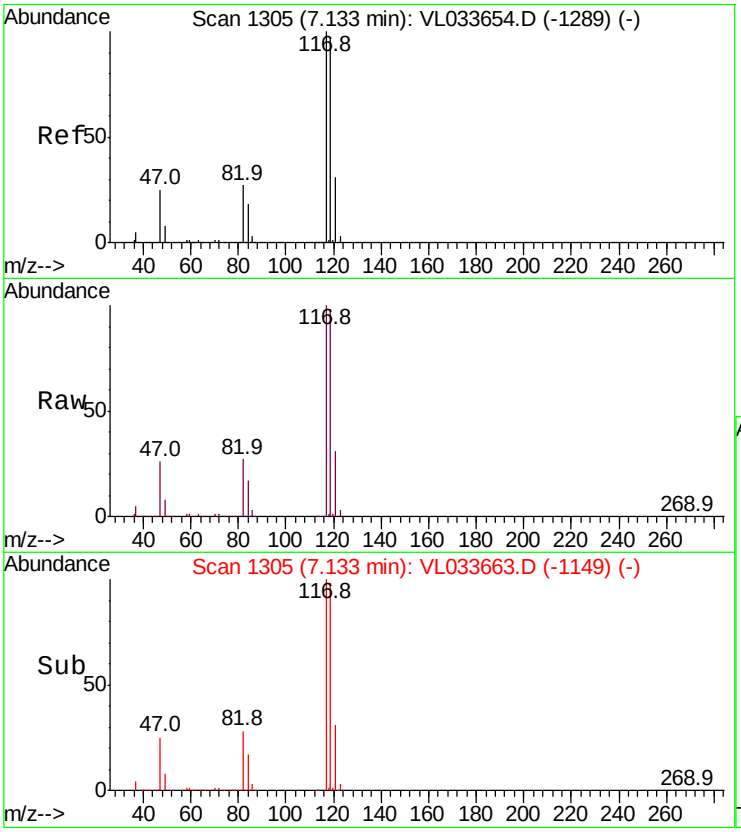


#34
2-Butanone
Concen: 9.418 ppbv
RT: 5.33 min Scan# 743
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 43 Resp: 1469194

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.5	26.3



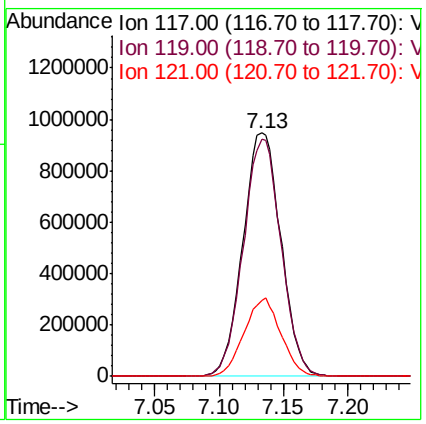


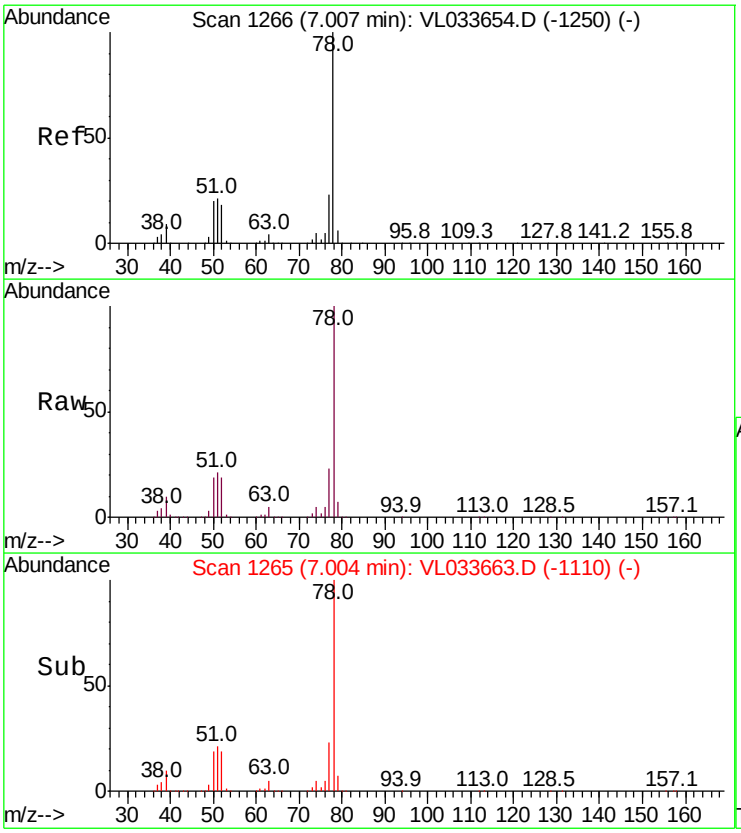
#35
Carbon Tetrachloride
Concen: 9.742 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1950412

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.9	116.9
121	31.0	25.0	37.6

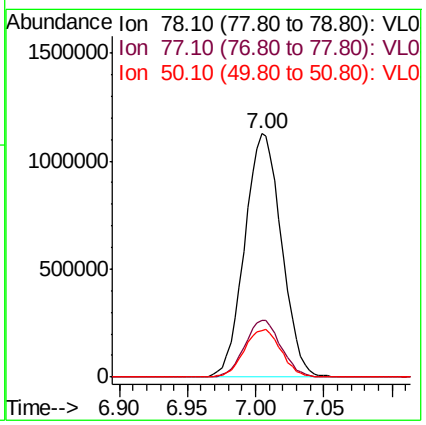


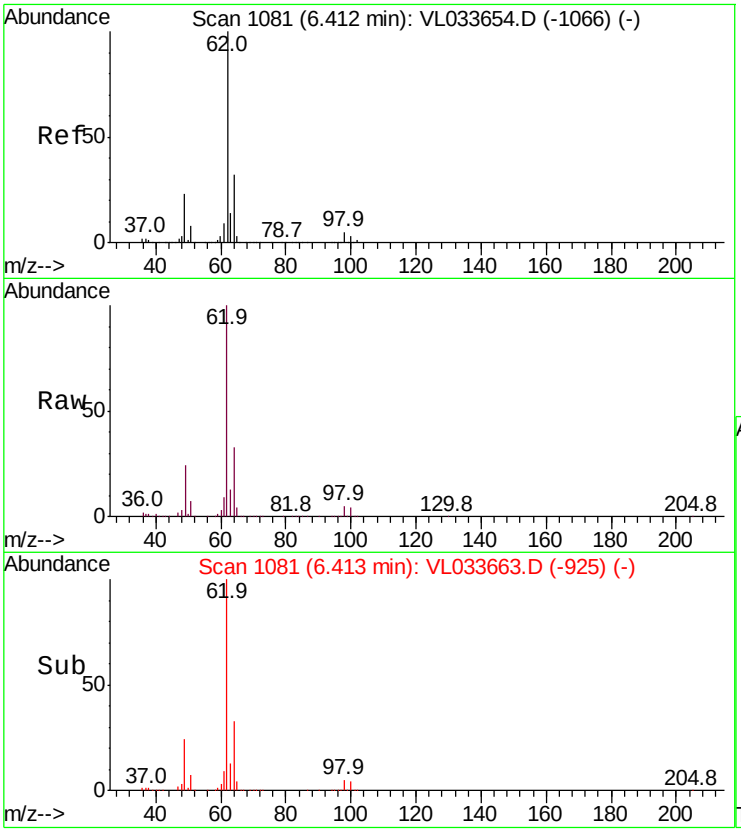


#36
Benzene
Concen: 9.669 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 78 Resp: 2112161

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.2	27.2
50	19.2	15.8	23.6



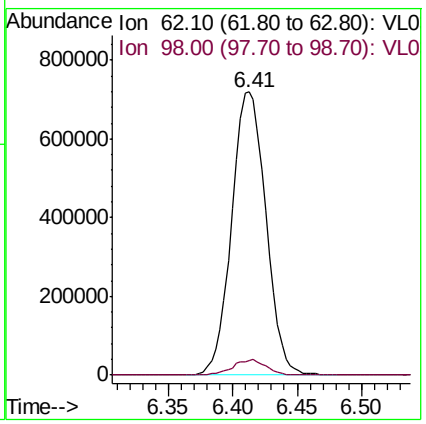


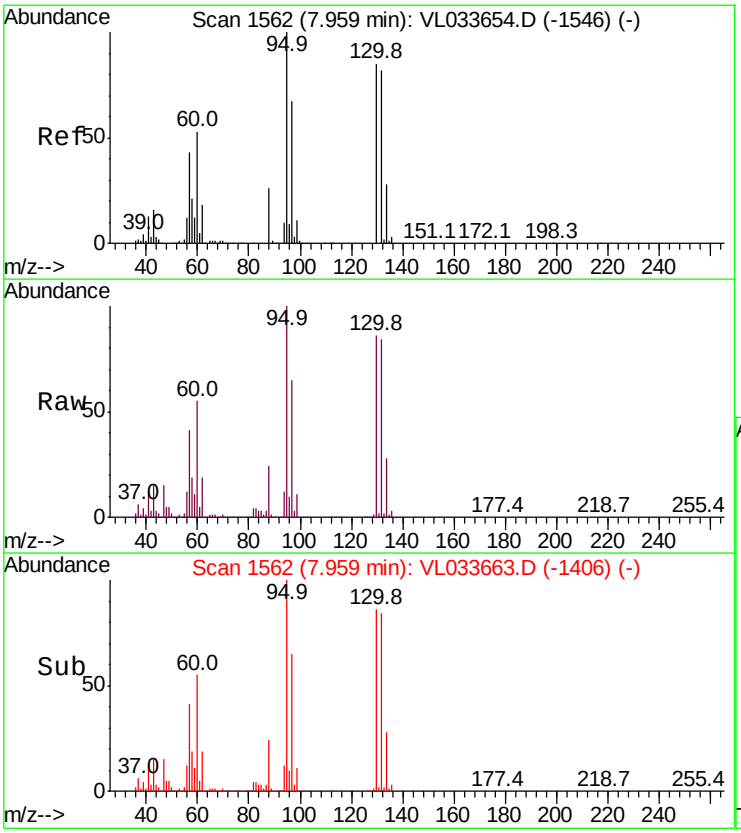
#37
1,2-Dichloroethane
Concen: 8.720 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 1329126

Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.5	6.7

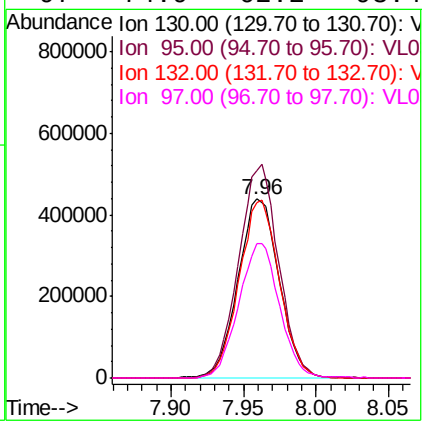


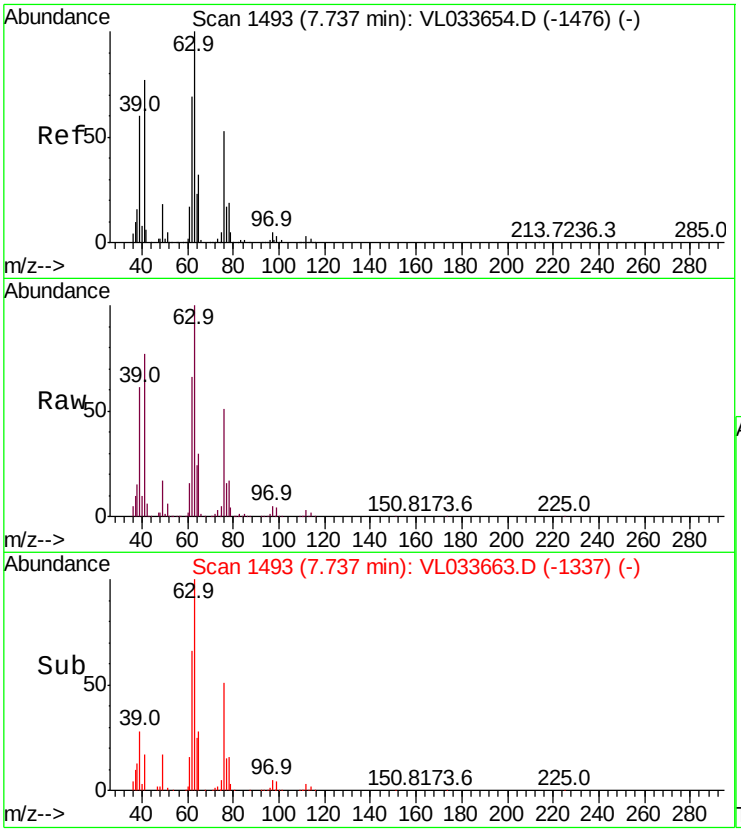


#38
Trichloroethene
Concen: 10.833 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:130 Resp: 868065

Ion	Ratio	Lower	Upper
130	100		
95	115.9	93.4	140.0
132	97.4	76.2	114.4
97	74.9	62.2	93.4



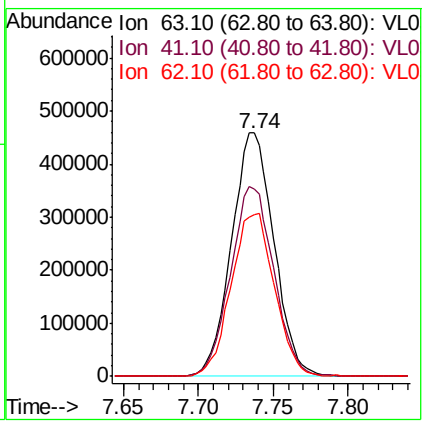


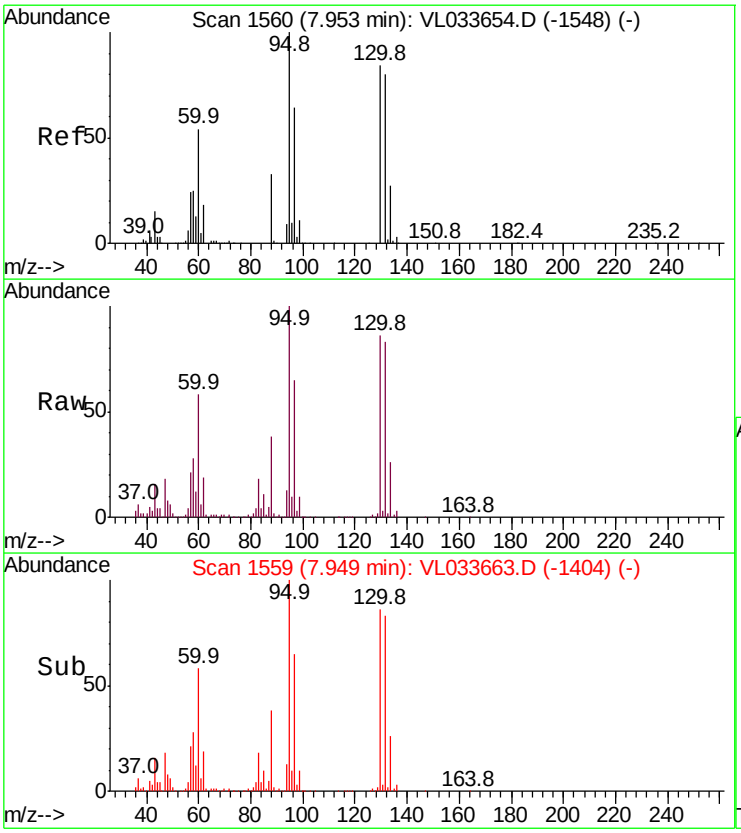
#39
1,2-Dichloropropane
Concen: 11.116 ppbv
RT: 7.74 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 904963

Ion	Ratio	Lower	Upper
63	100		
41	76.8	61.6	92.4
62	66.1	55.0	82.6

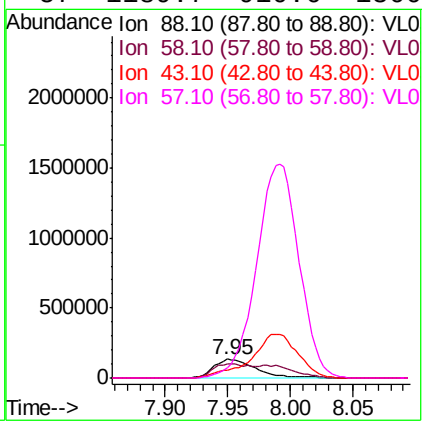


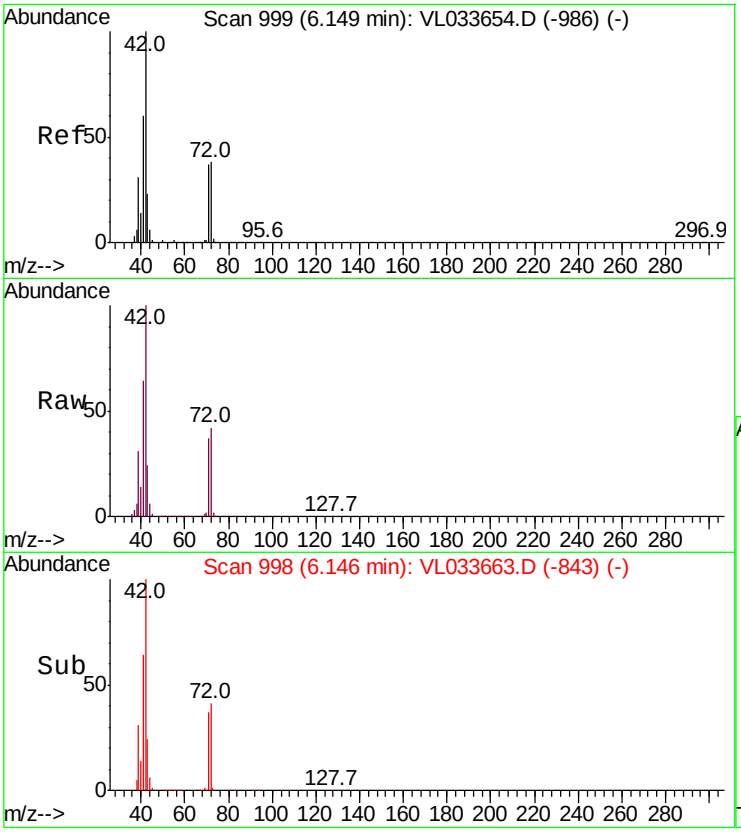


#40
1,4-Dioxane
Concen: 9.312 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 88 Resp: 302987

Ion	Ratio	Lower	Upper
88	100		
58	131.0	102.3	153.5
43	267.3	206.1	309.1
57	1189.7	910.6	1366.0



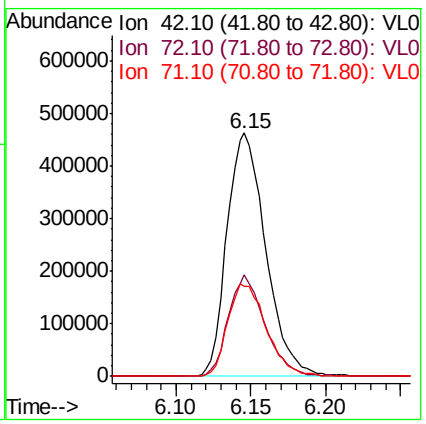


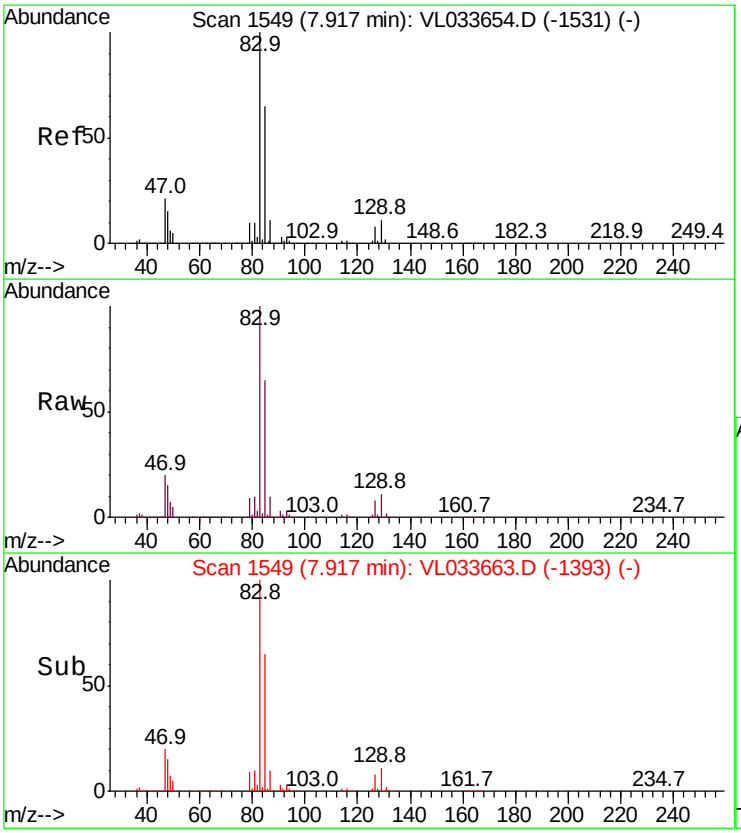
#41
Tetrahydrofuran
Concen: 10.346 ppbv
RT: 6.15 min Scan# 998
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 834059

Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.6	47.4
71	37.9	30.6	46.0

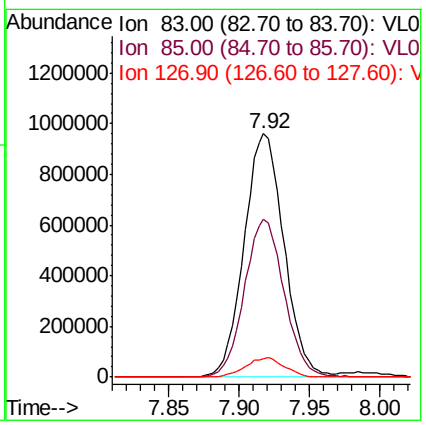


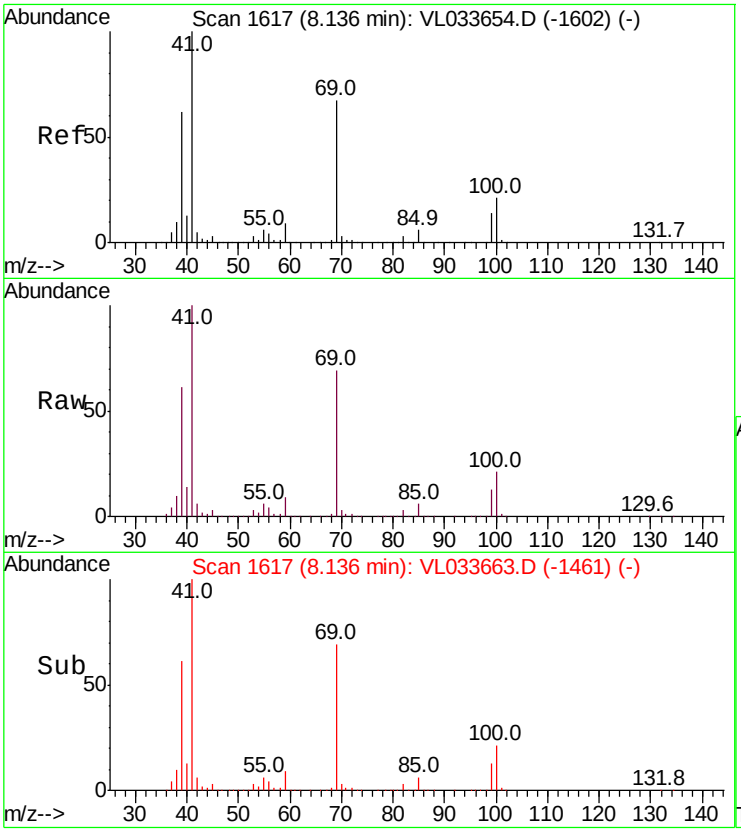


#42
Bromodichloromethane
Concen: 9.656 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 83 Resp: 1900207

Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	7.7	6.6	9.8



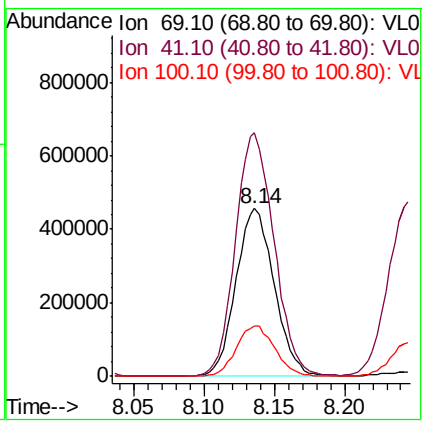


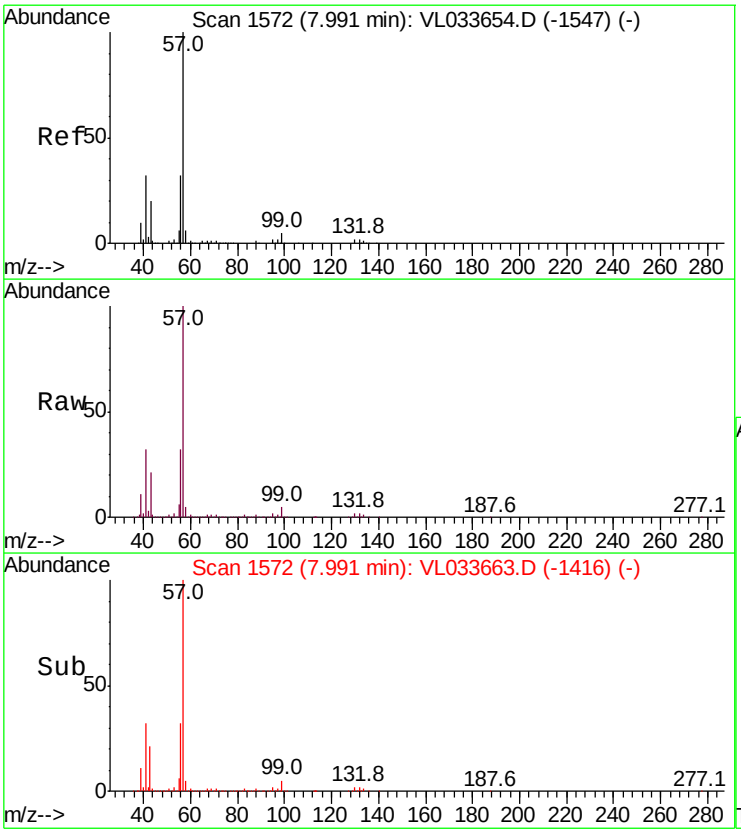
#43
Methyl Methacrylate
Concen: 10.617 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 69 Resp: 872361

Ion	Ratio	Lower	Upper
69	100		
41	145.8	116.6	175.0
100	30.3	24.6	37.0

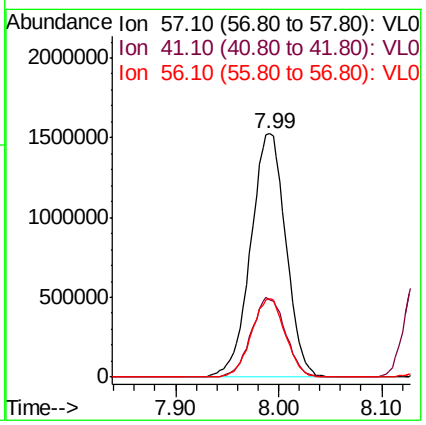


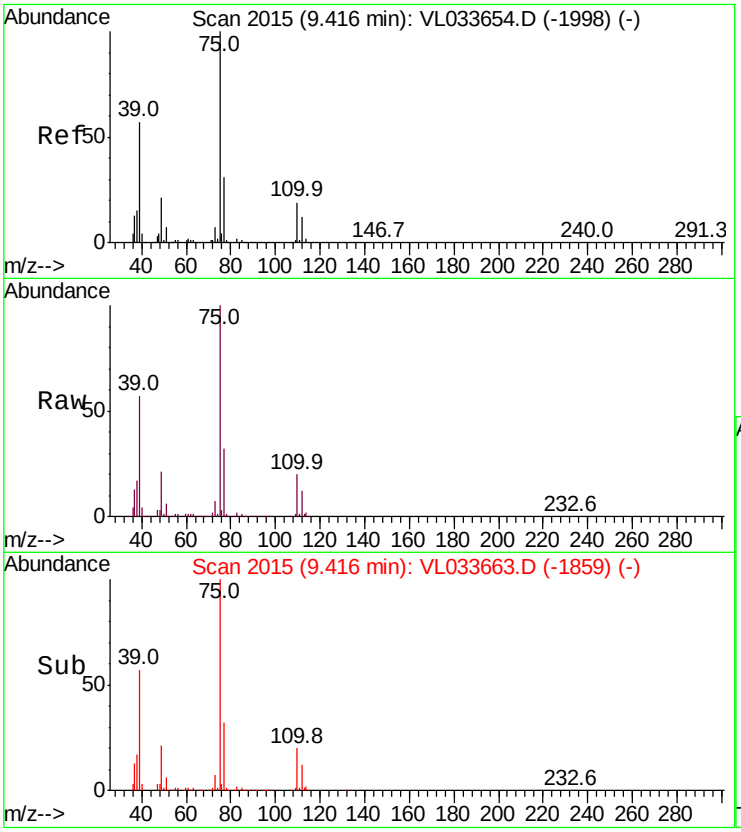


#44
2,2,4-Trimethylpentane
Concen: 9.645 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 57 Resp: 3602290

Ion	Ratio	Lower	Upper
57	100		
41	32.0	25.7	38.5
56	31.1	25.0	37.6



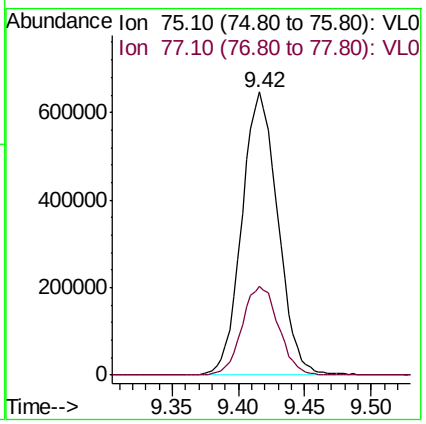


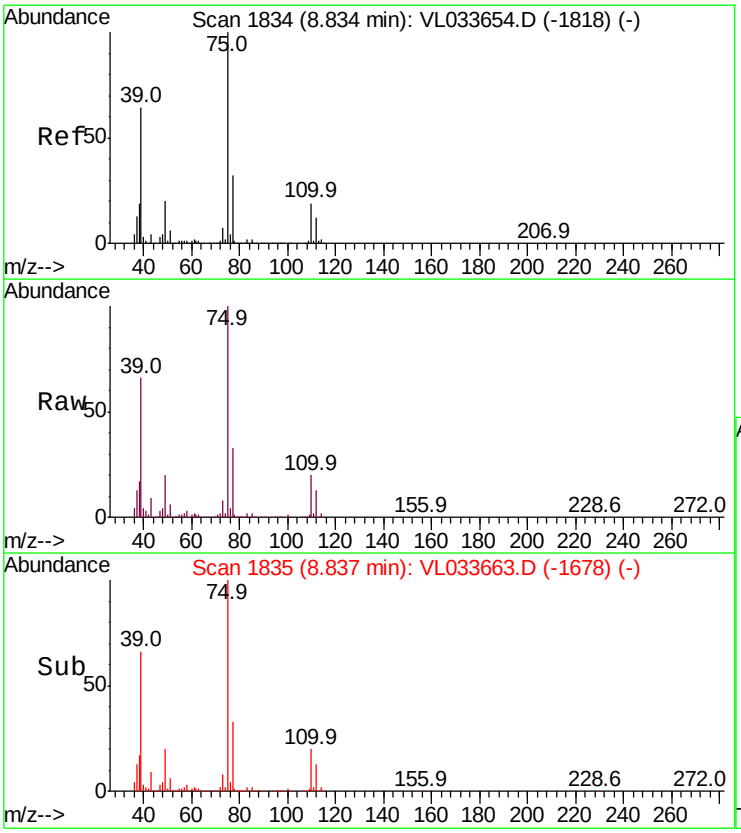
#45
t-1,3-Dichloropropene
Concen: 12.122 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 1222509

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.7	37.1

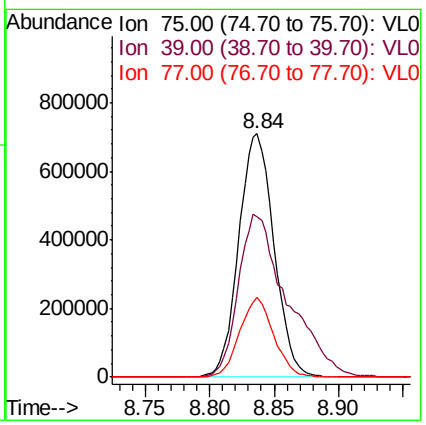


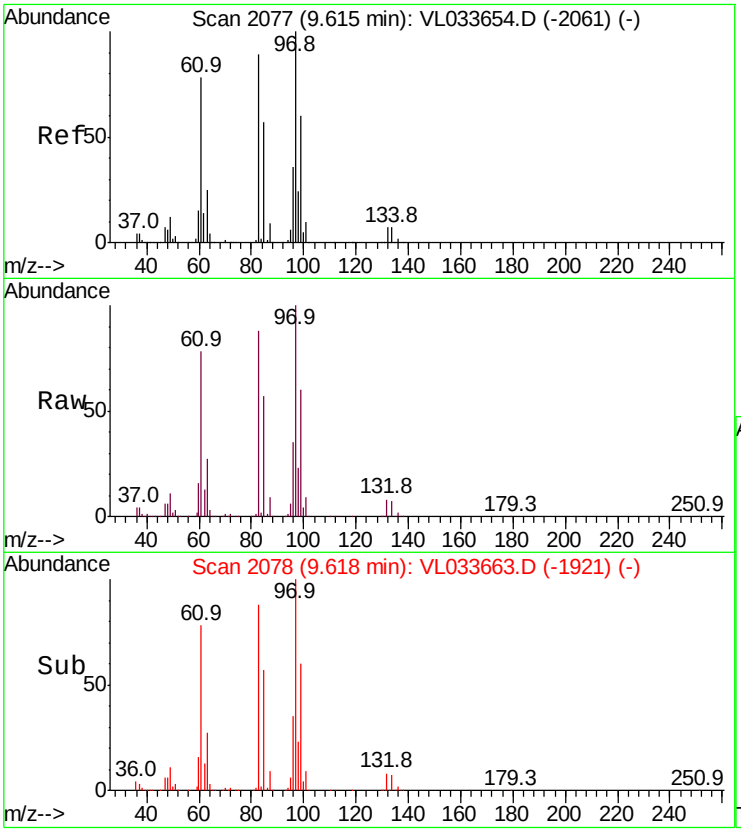


#46
cis-1,3-Dichloropropene
Concen: 10.744 ppbv
RT: 8.84 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 75 Resp: 1352262

Ion	Ratio	Lower	Upper
75	100		
39	65.7	51.5	77.3
77	32.7	25.4	38.0



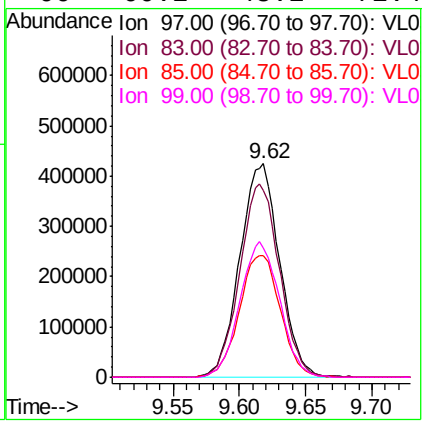


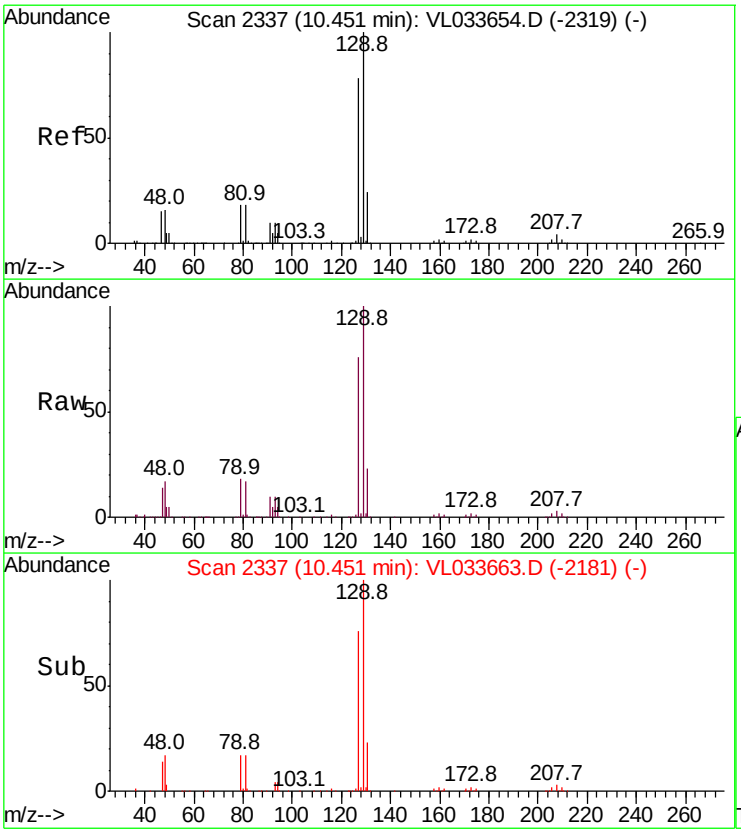
#47
1,1,2-Trichloroethane
Concen: 9.516 ppbv
RT: 9.62 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 889705

Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.9	106.3
85	56.7	45.8	68.6
99	60.2	48.2	72.4

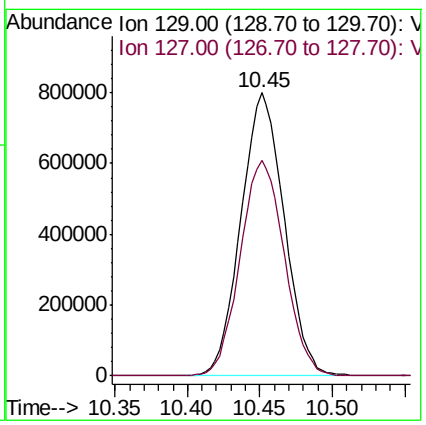


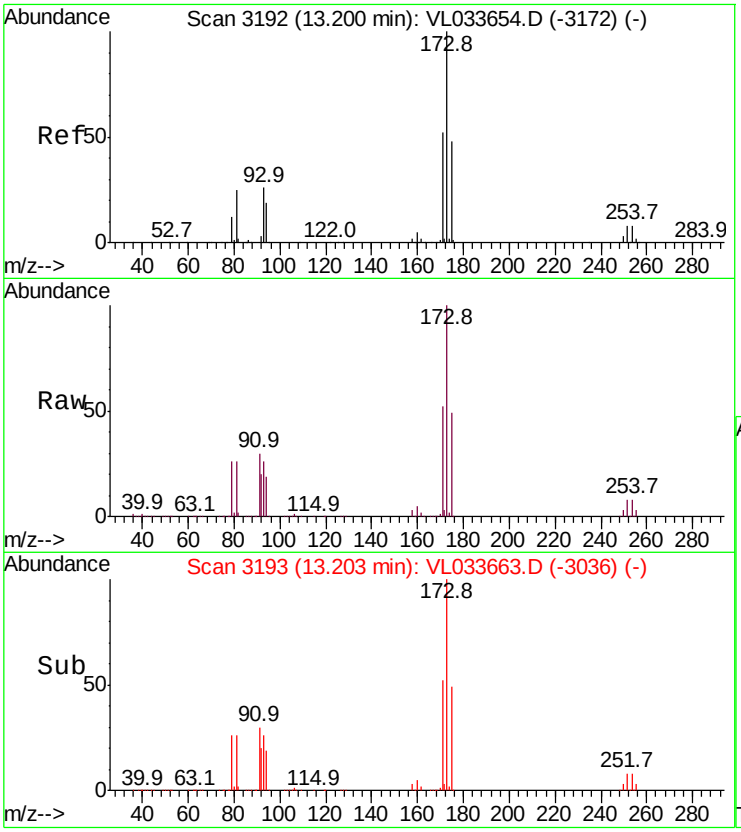


#48
Dibromochloromethane
Concen: 10.475 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:129 Resp: 1660234

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.2



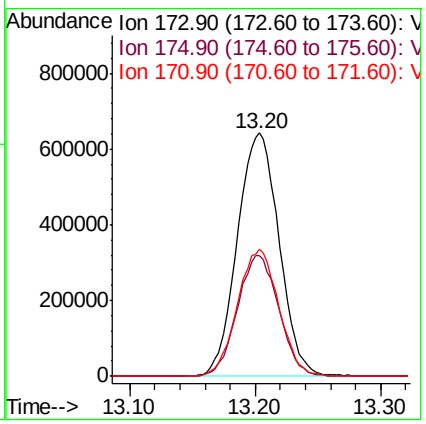


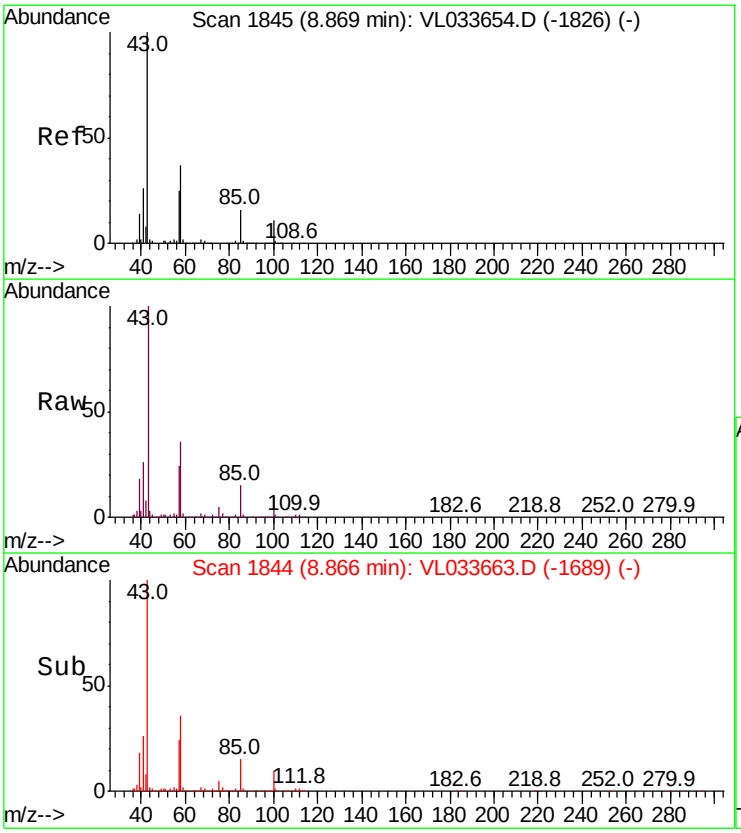
#49
Bromoform
Concen: 10.786 ppbv
RT: 13.20 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:173 Resp: 1484993

Ion	Ratio	Lower	Upper
173	100		
175	49.2	39.3	58.9
171	51.9	41.5	62.3

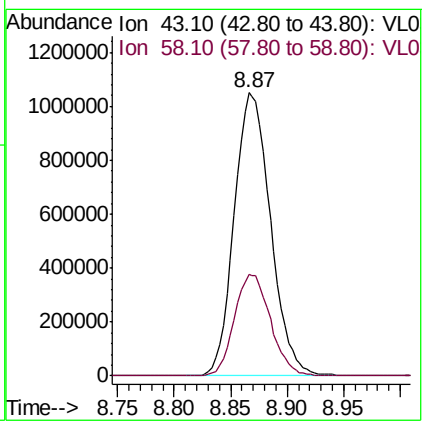


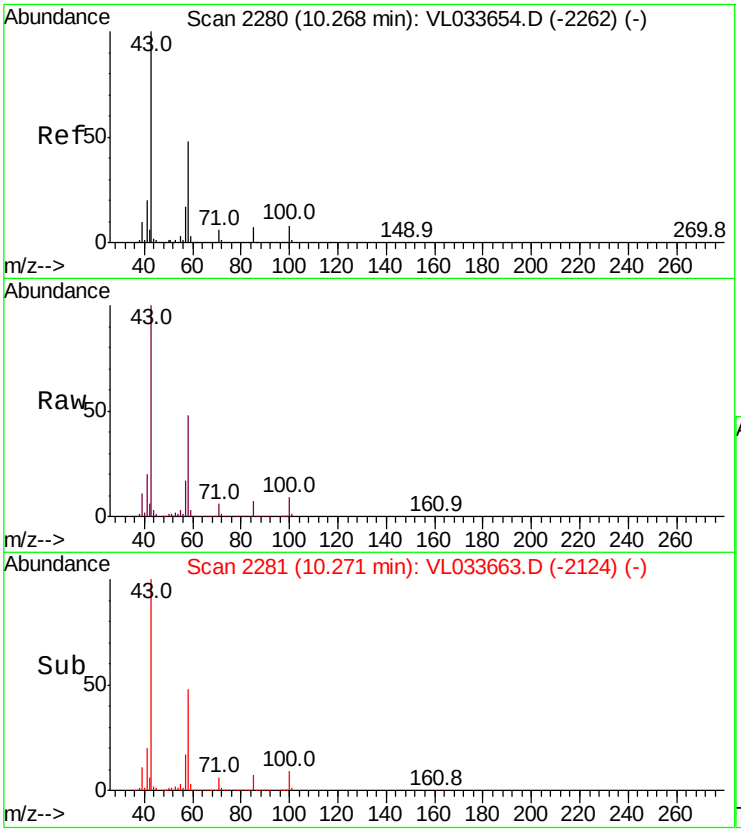


#50
4-Methyl-2-Pentanone
Concen: 9.949 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 43 Resp: 2349977

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.8	43.2



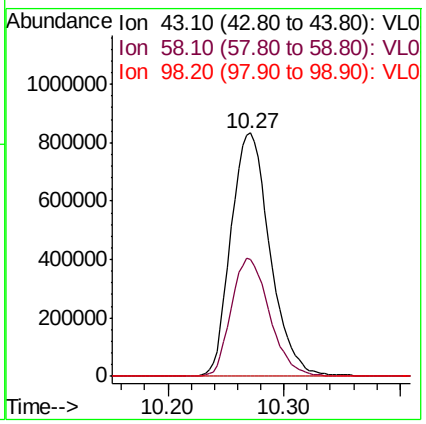


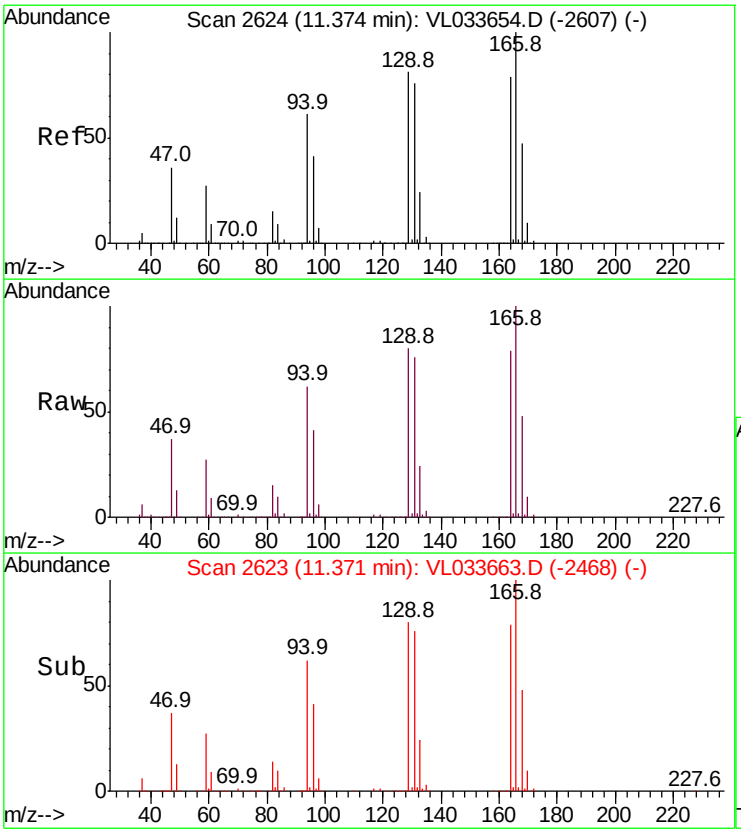
#51
2-Hexanone
Concen: 10.608 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1941353

Ion	Ratio	Lower	Upper
43	100		
58	47.8	38.2	57.4
98	0.3	0.2	0.4

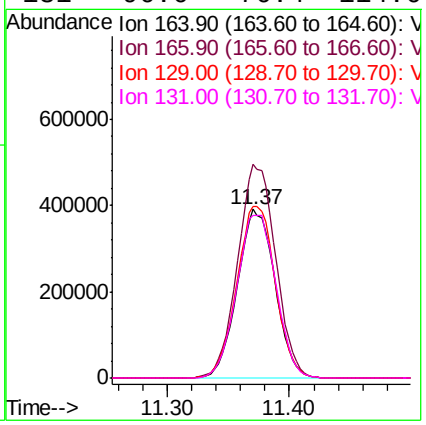


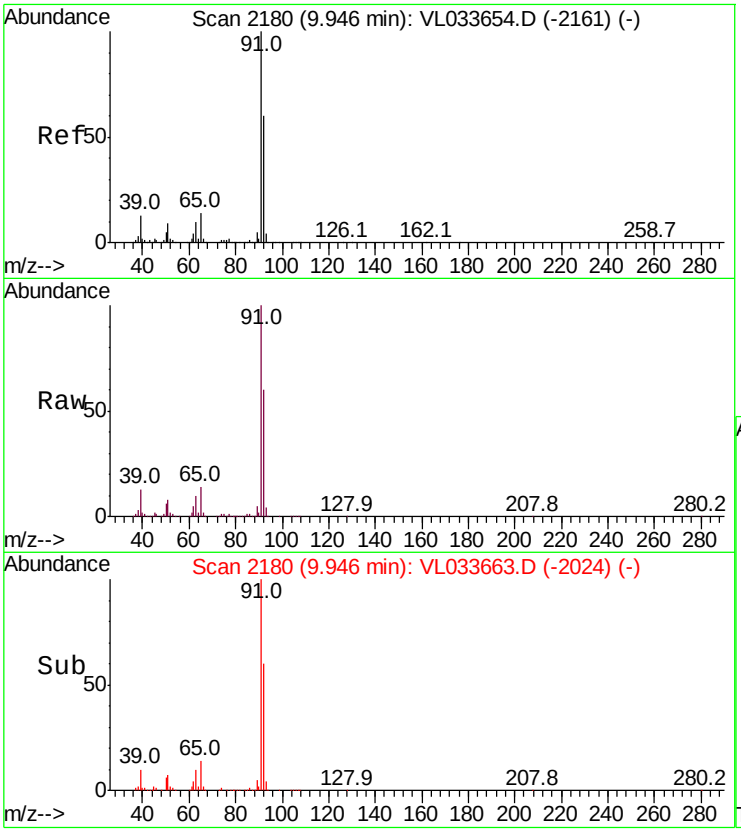


#52
Tetrachloroethene
Concen: 10.729 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:164 Resp: 830345

Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.6	151.0
129	101.2	81.0	121.6
131	96.6	76.4	114.6



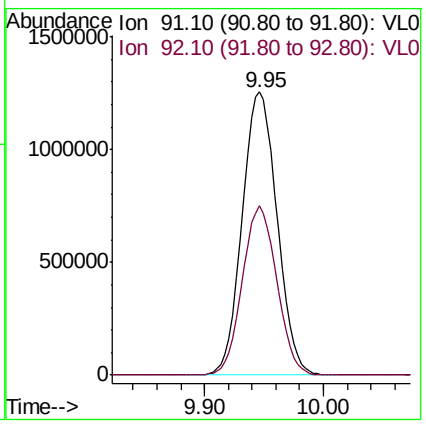


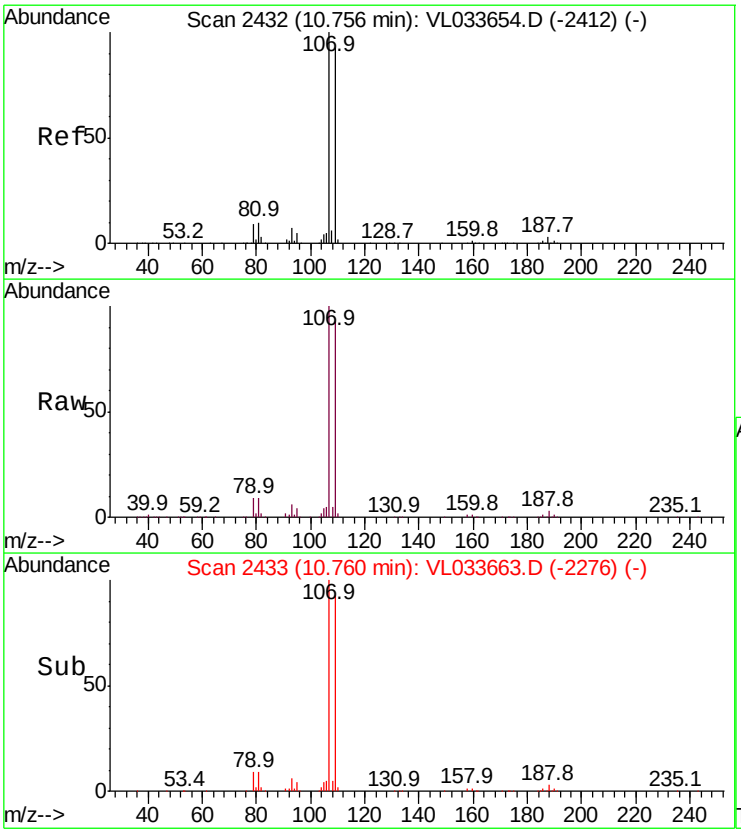
#53
Toluene
Concen: 10.804 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2549887

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.7	71.5

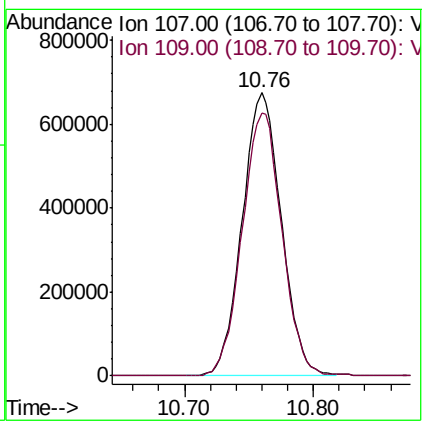


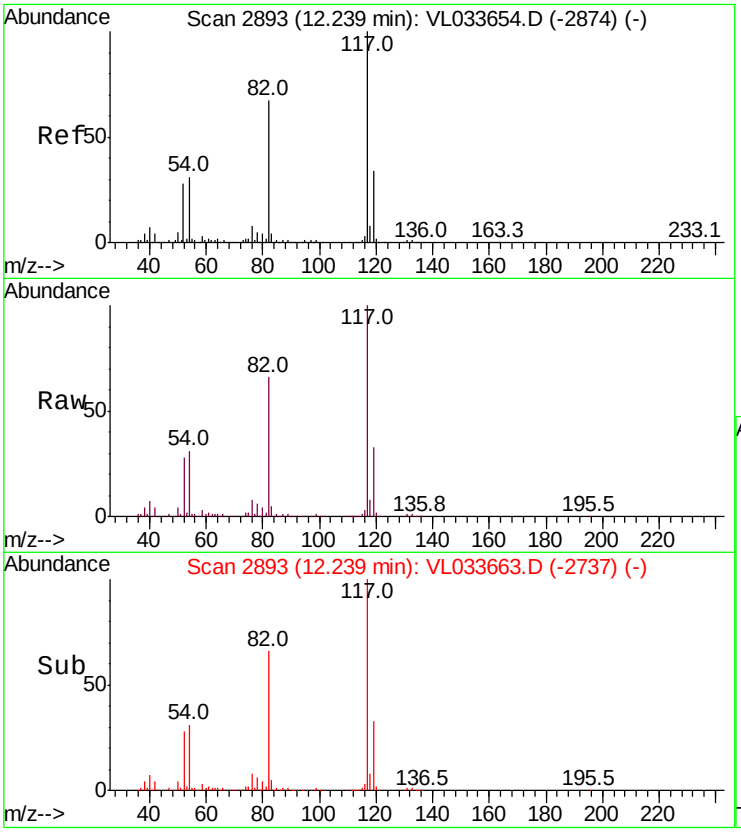


#54
1,2-Dibromoethane
Concen: 10.120 ppbv
RT: 10.76 min Scan# 2433
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:107 Resp: 1425300

Ion	Ratio	Lower	Upper
107	100		
109	92.7	74.6	111.8



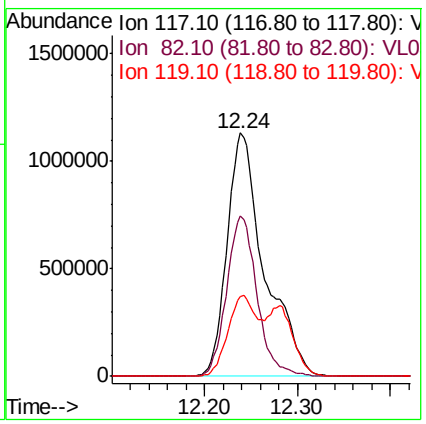


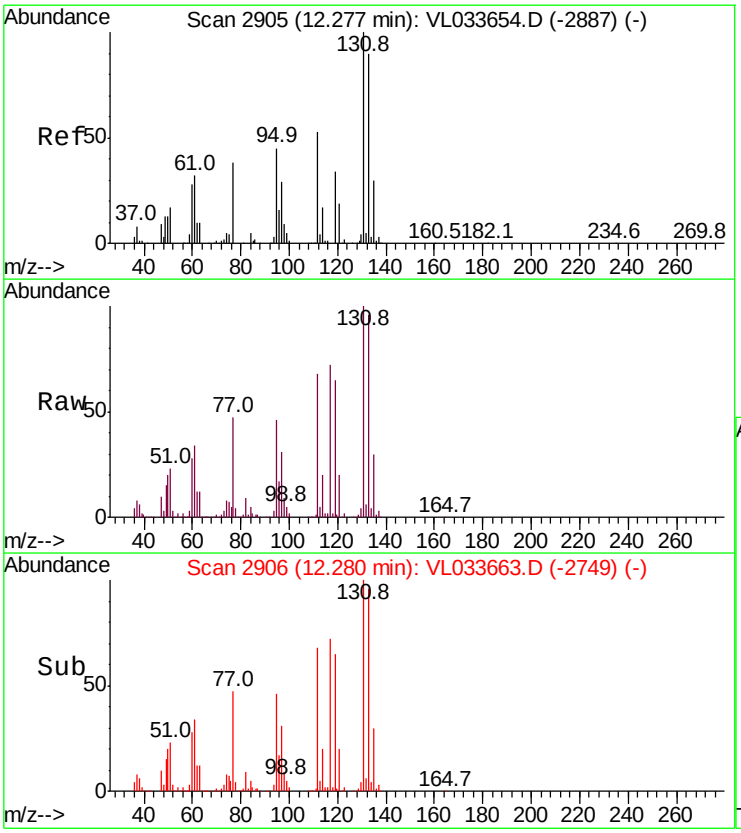
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3169940

Ion	Ratio	Lower	Upper
117	100		
82	53.6	49.7	74.5
119	25.9	24.8	37.2

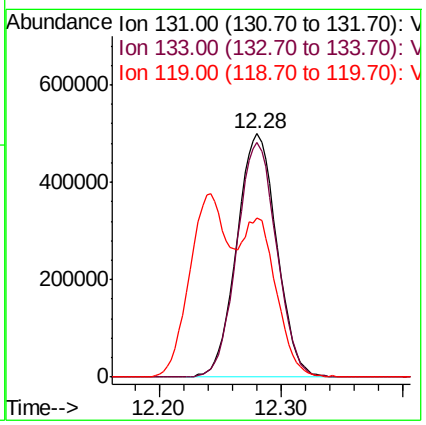


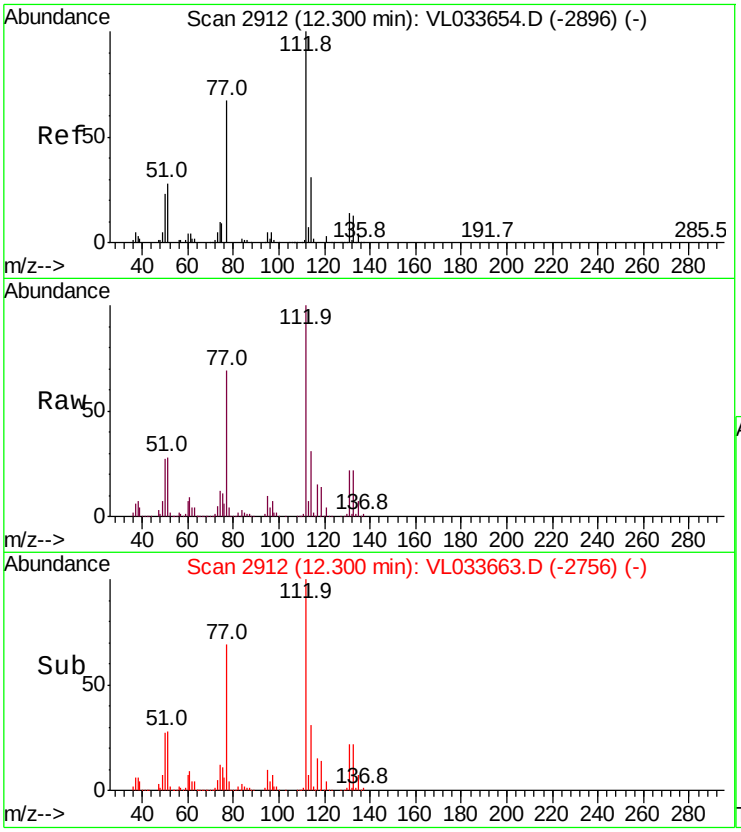


#56
1,1,1,2-Tetrachloroethane
Concen: 7.699 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:131 Resp: 1125750

Ion	Ratio	Lower	Upper
131	100		
133	96.3	76.0	114.0
119	132.4	45.4	68.2#



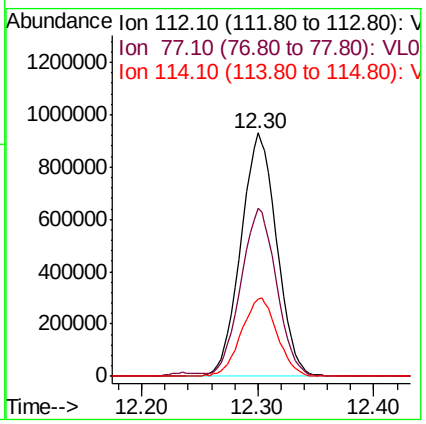


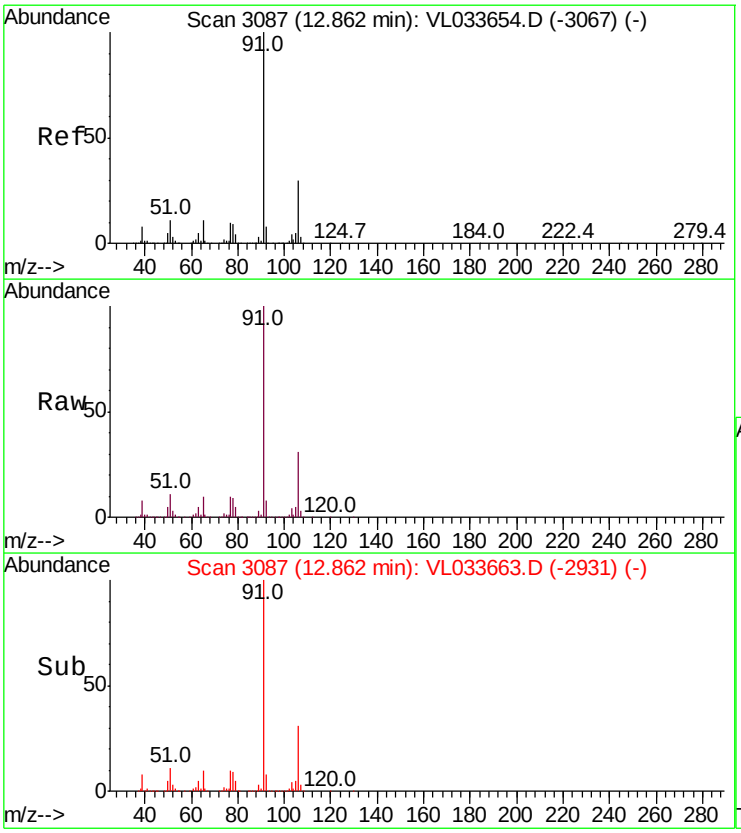
#57
Chlorobenzene
Concen: 7.695 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 2002827

Ion	Ratio	Lower	Upper
112	100		
77	68.8	54.4	81.6
114	31.5	28.2	34.4

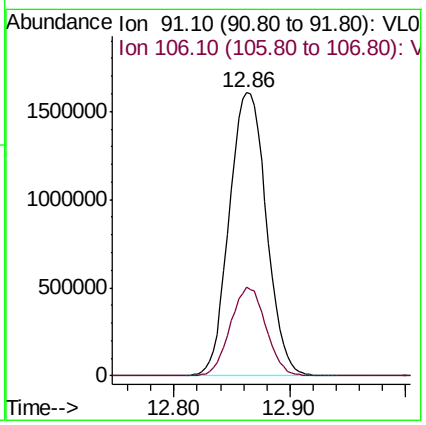


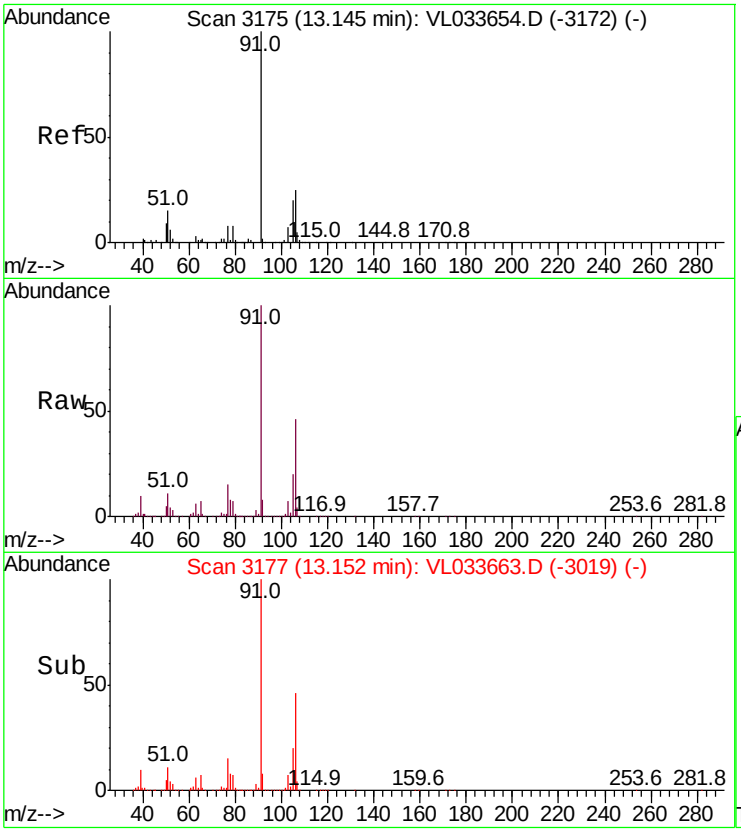


#58
Ethyl Benzene
Concen: 8.630 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 91 Resp: 3567627

Ion	Ratio	Lower	Upper
91	100		
106	31.2	23.7	35.5



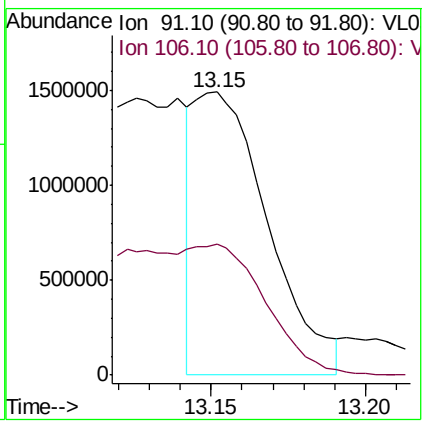


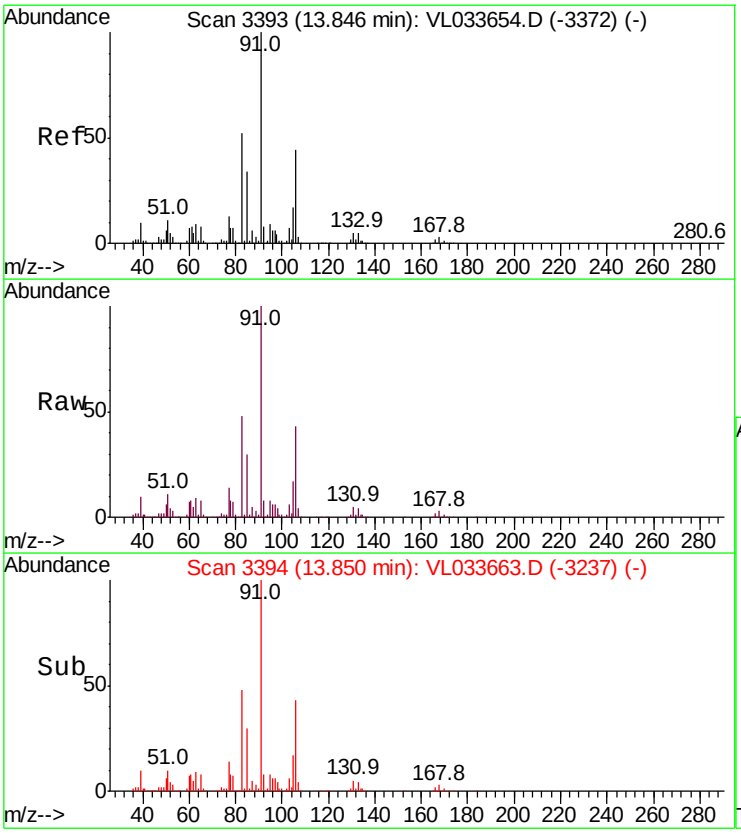
#59
m/p-Xylene
Concen: 6.733 ppbv
RT: 13.15 min Scan# 3177
Delta R.T. 0.01 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2451660

Ion	Ratio	Lower	Upper
91	100		
106	109.9	36.2	54.2#

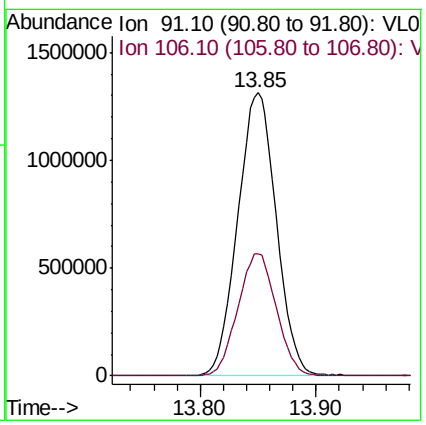


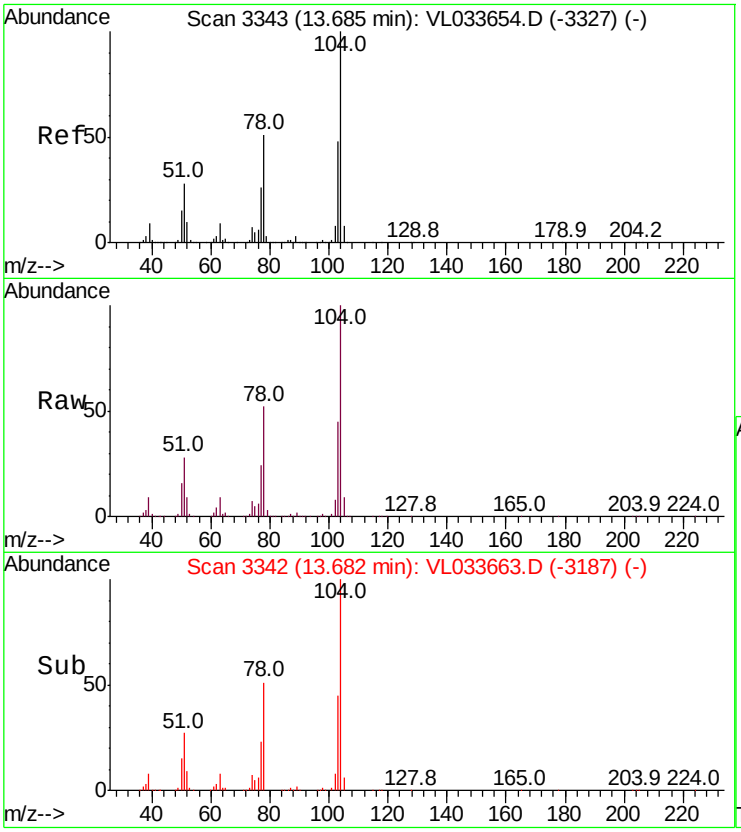


#60
o-Xylene
Concen: 8.225 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 91 Resp: 3030940

Ion	Ratio	Lower	Upper
91	100		
106	43.3	21.7	65.1



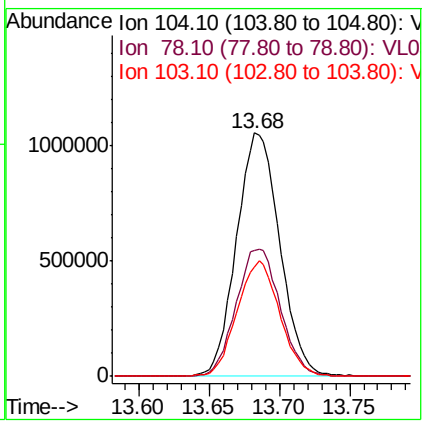


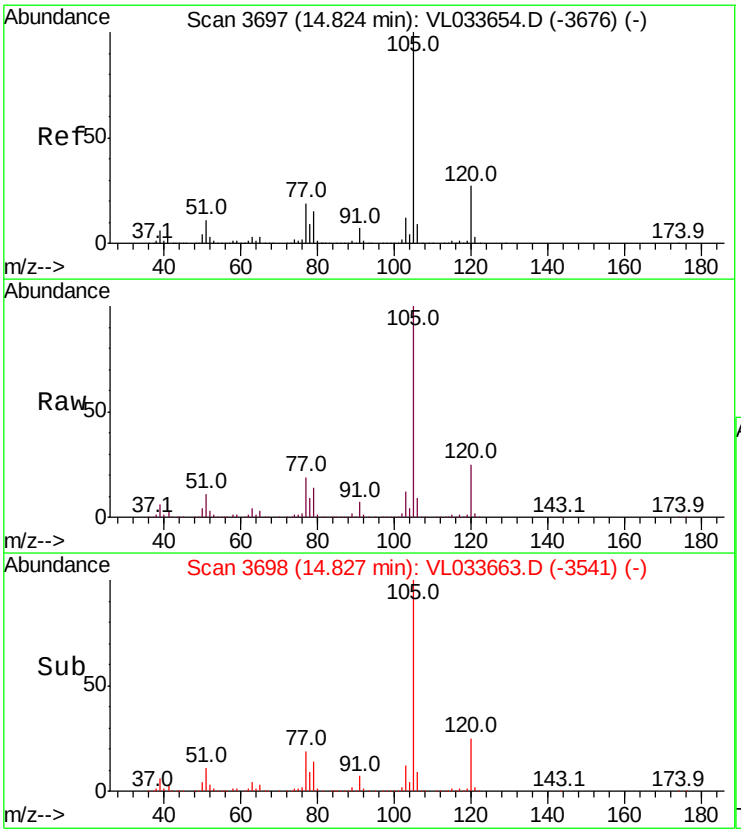
#61
Stvrene
Concen: 9.176 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 2251426

Ion	Ratio	Lower	Upper
104	100		
78	53.8	43.0	64.6
103	47.2	38.1	57.1

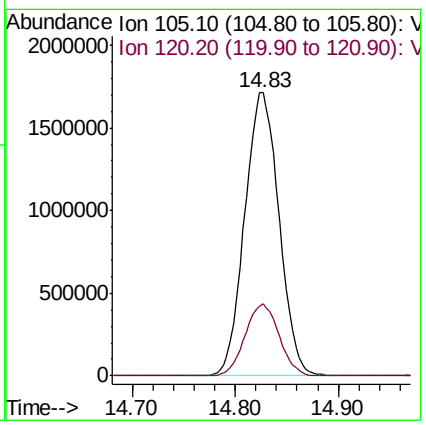


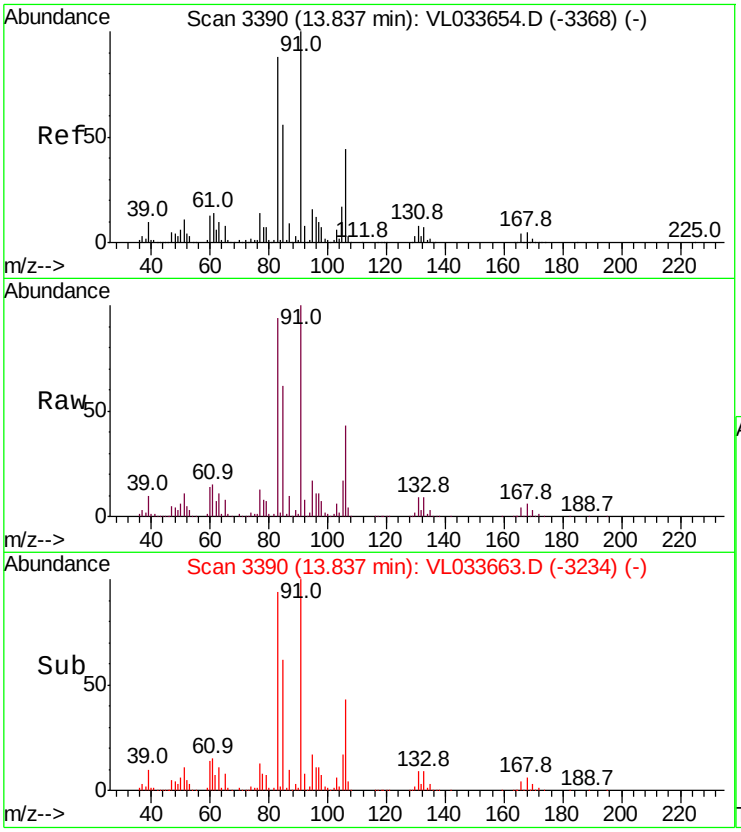


#62
Isopropylbenzene
Concen: 7.883 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:105 Resp: 3966155

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.5	30.7



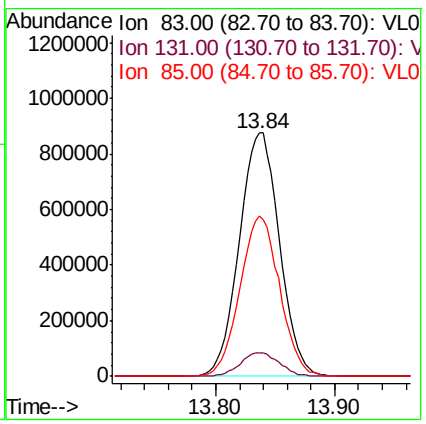


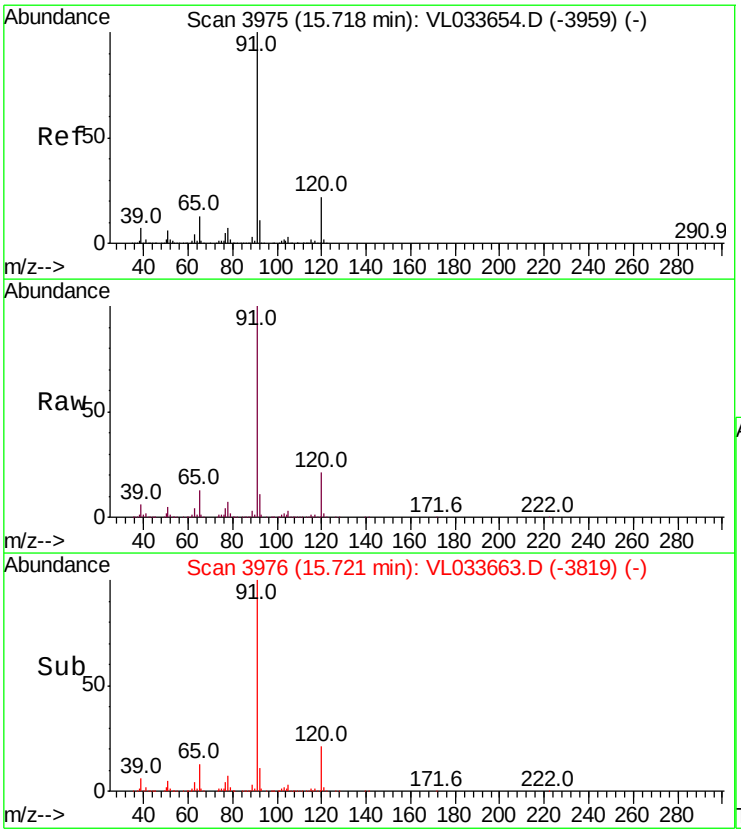
#63
1,1,2,2-Tetrachloroethane
Concen: 7.616 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 2042455

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	65.2	32.5	97.4

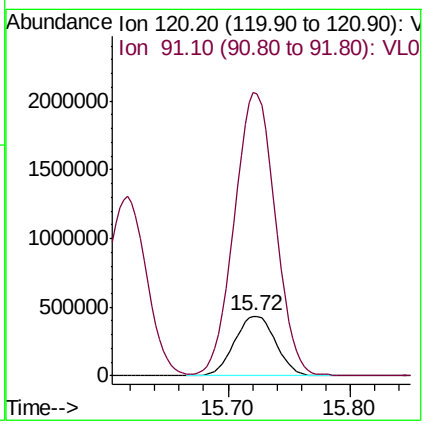


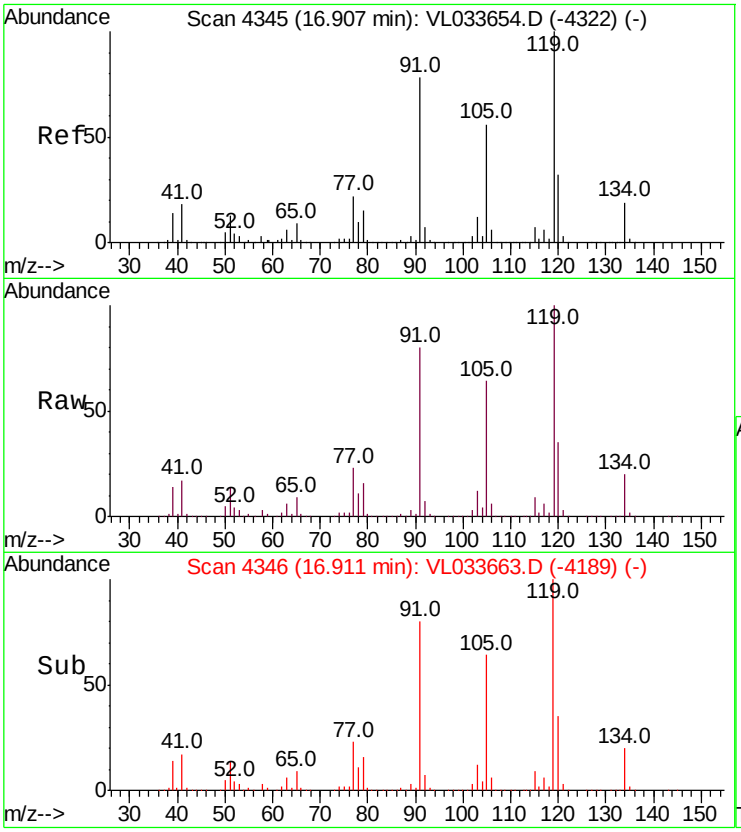


#64
n-propylbenzene
Concen: 7.830 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:120 Resp: 1018034

Ion	Ratio	Lower	Upper
120	100		
91	472.3	379.0	568.6



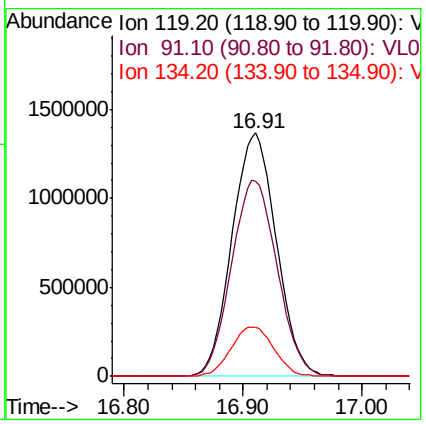


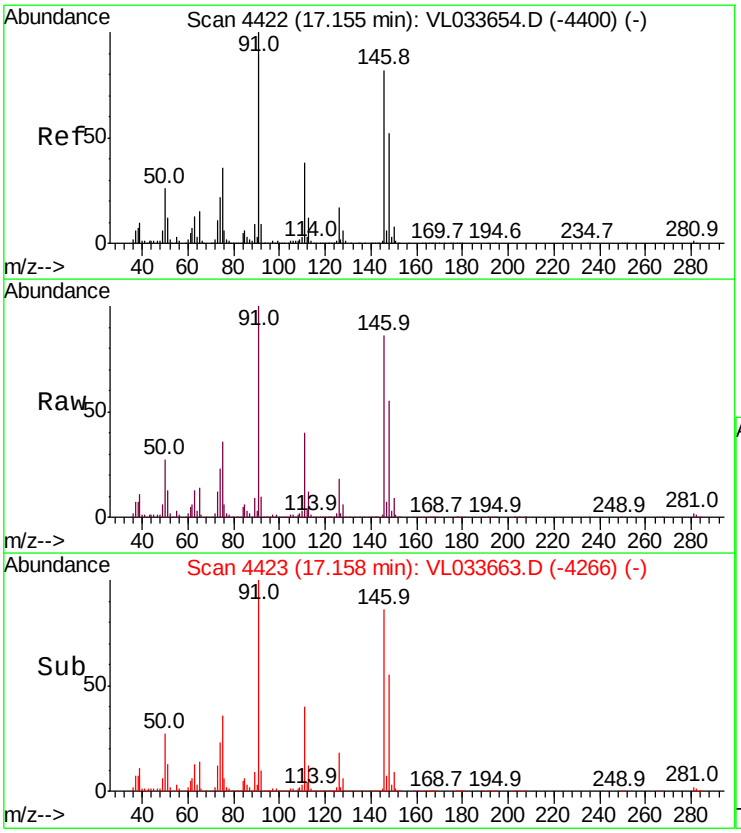
#65
tert-Butylbenzene
Concen: 7.647 ppbv
RT: 16.91 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 3529288

Ion	Ratio	Lower	Upper
119	100		
91	83.1	65.9	98.9
134	19.6	15.5	23.3

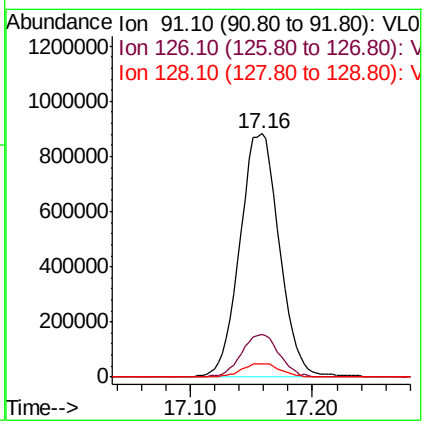


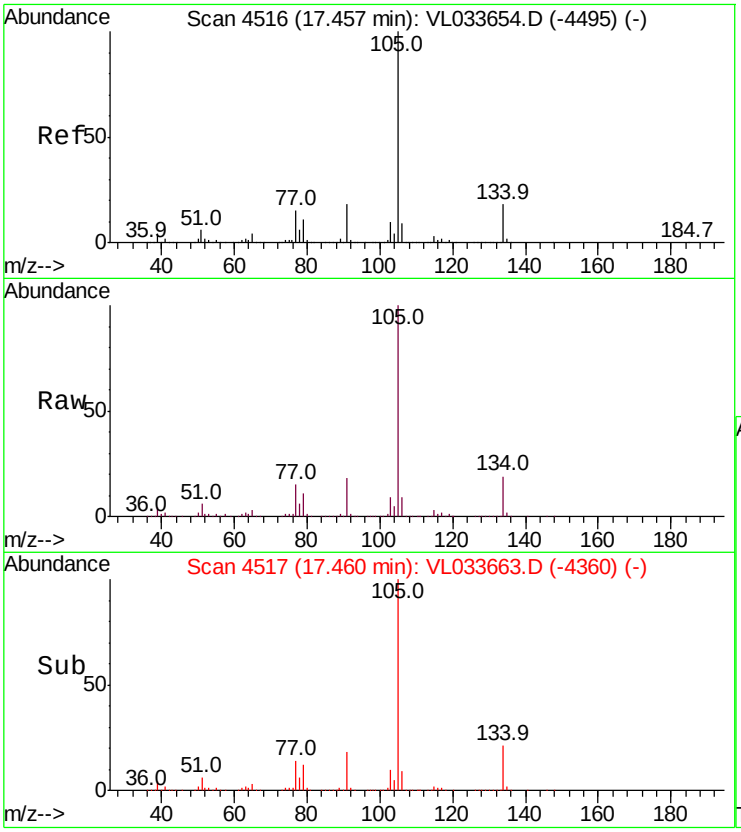


#66
Benzyl Chloride
Concen: 9.372 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 91 Resp: 1967747

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.4	20.2
128	5.4	4.4	6.6



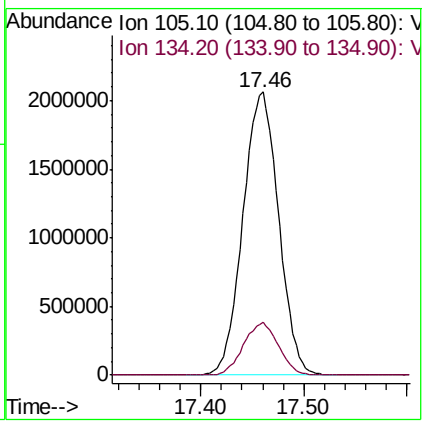


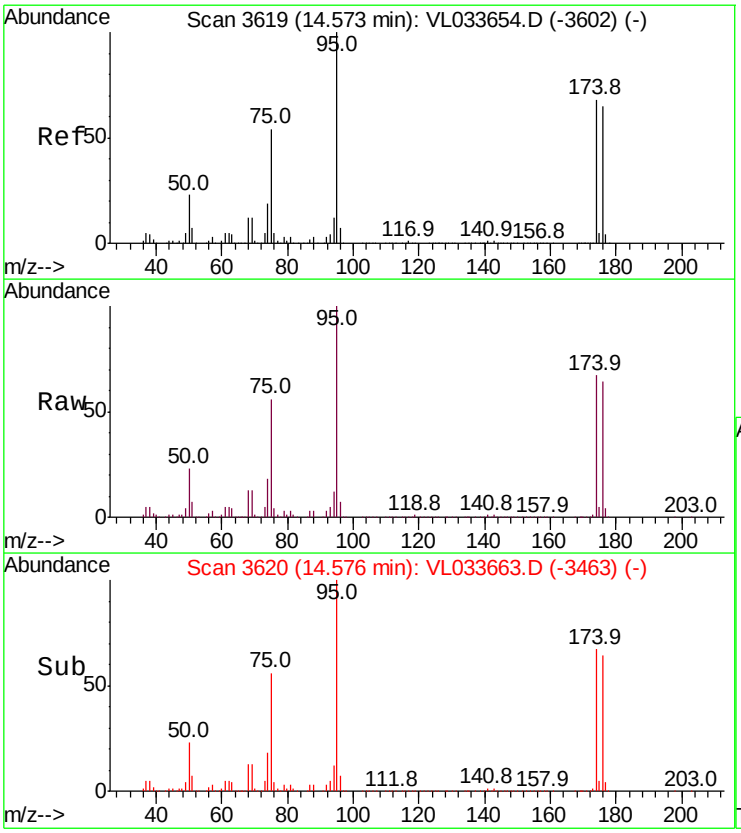
#67
sec-Butylbenzene
Concen: 7.685 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 4948804

Ion	Ratio	Lower	Upper
105	100		
134	18.3	14.6	22.0

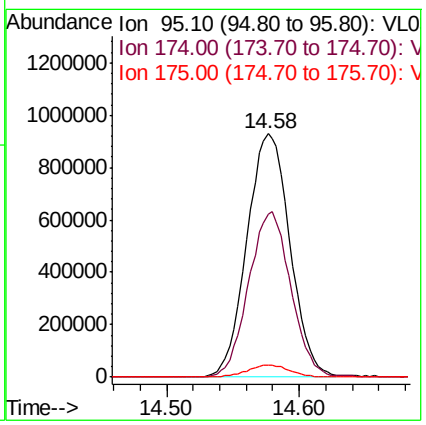


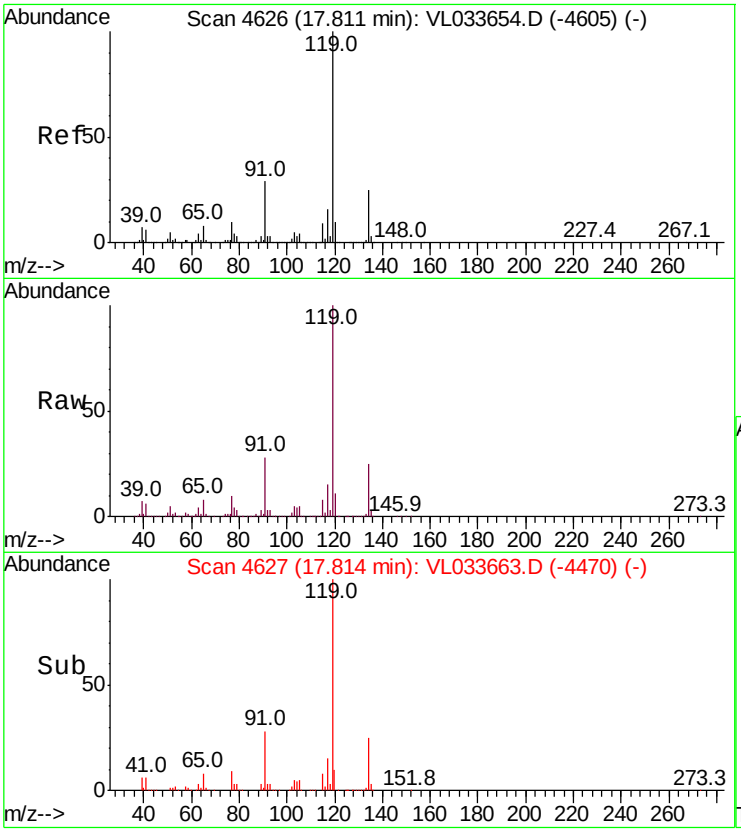


#68
1-Bromo-4-Fluorobenzene
Concen: 8.092 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 95 Resp: 2102602

Ion	Ratio	Lower	Upper
95	100		
174	66.7	54.0	81.0
175	4.8	3.8	5.8



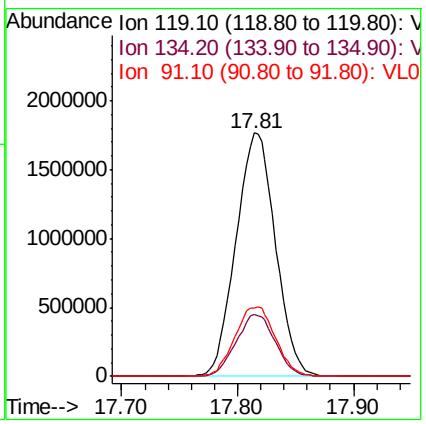


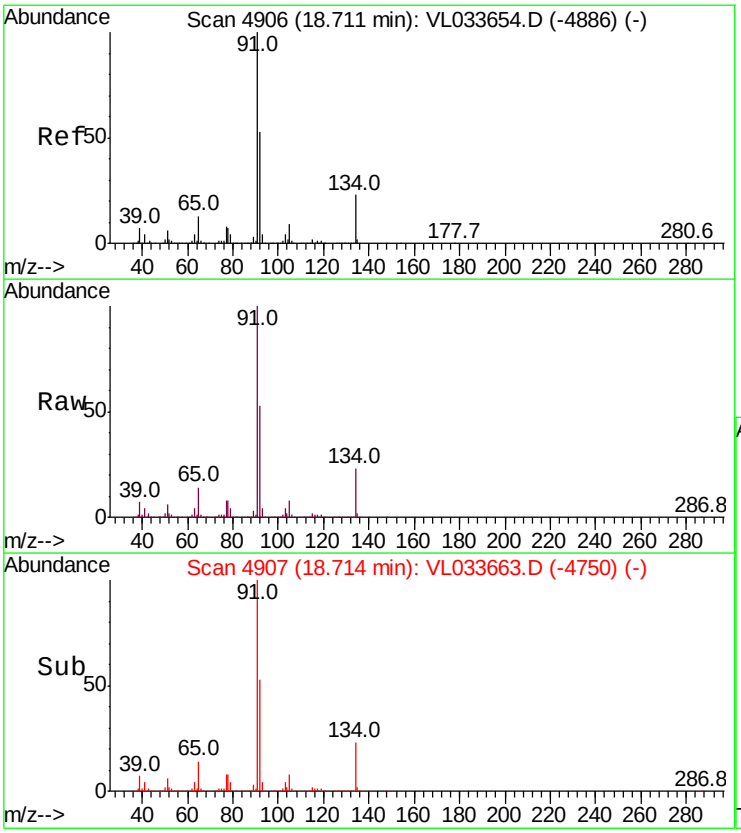
#69
p-Isopropyltoluene
Concen: 7.856 ppbv
RT: 17.81 min Scan# 4627
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 4168251

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.2
91	29.5	23.4	35.2

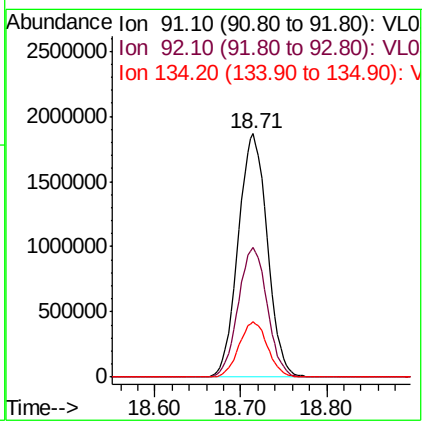


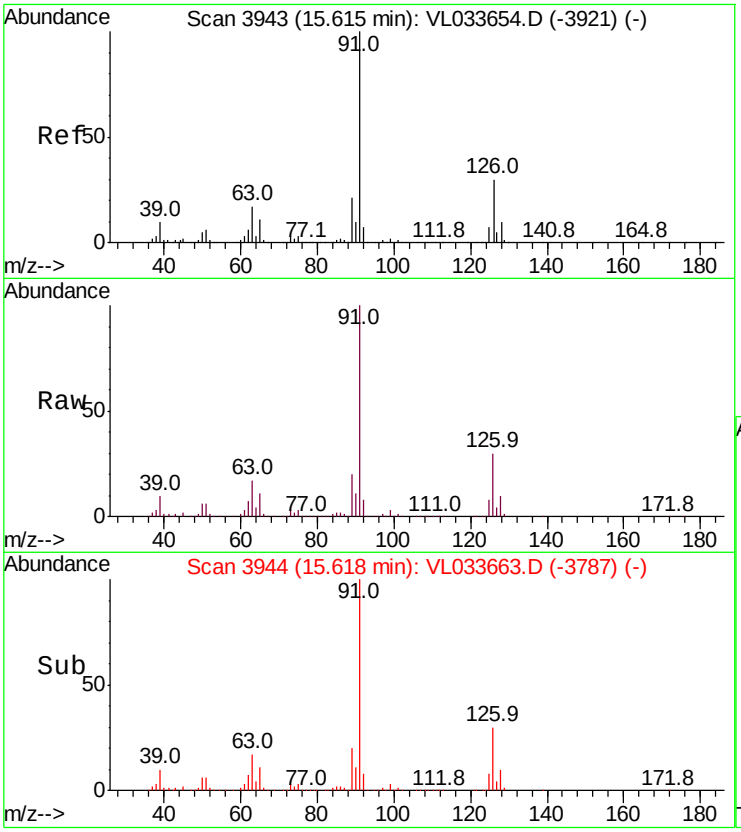


#70
n-Butylbenzene
Concen: 7.782 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion: 91 Resp: 4378598

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.5	63.7
134	22.3	18.0	27.0



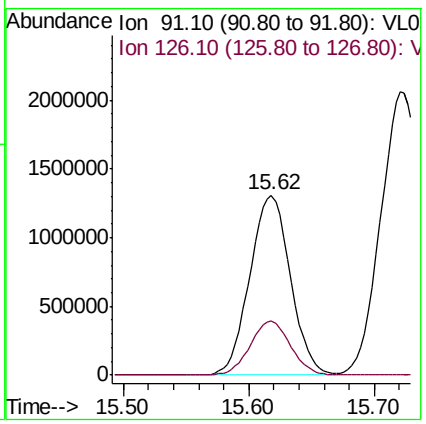


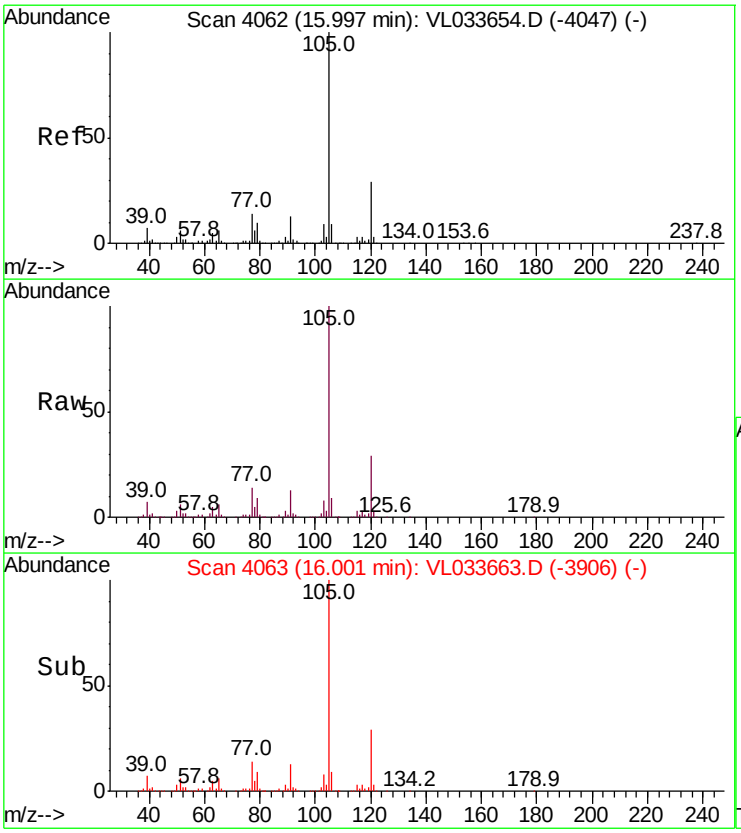
#71
2-Chlorotoluene
Concen: 7.939 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 2951057

Ion	Ratio	Lower	Upper
91	100		
126	29.8	12.0	47.8

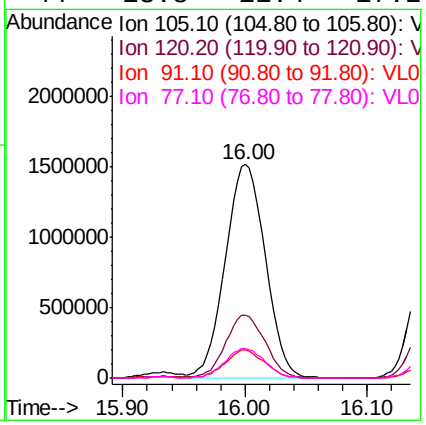


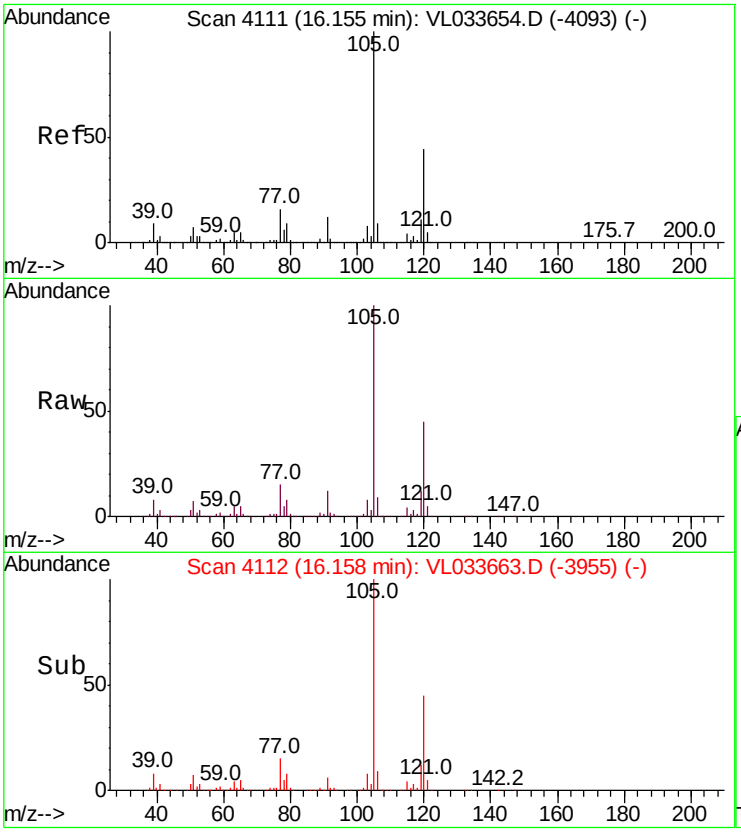


#72
4-Ethyltoluene
Concen: 7.974 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:105 Resp: 3453696

Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.0	34.6
91	13.0	10.5	15.7
77	13.8	11.4	17.2



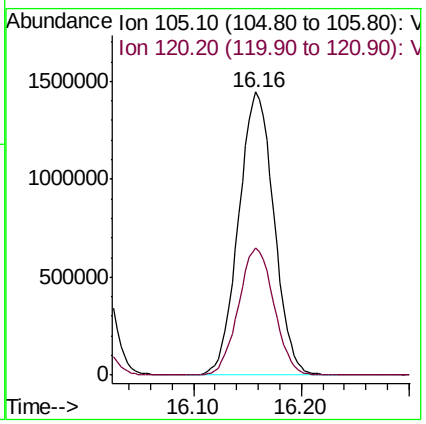


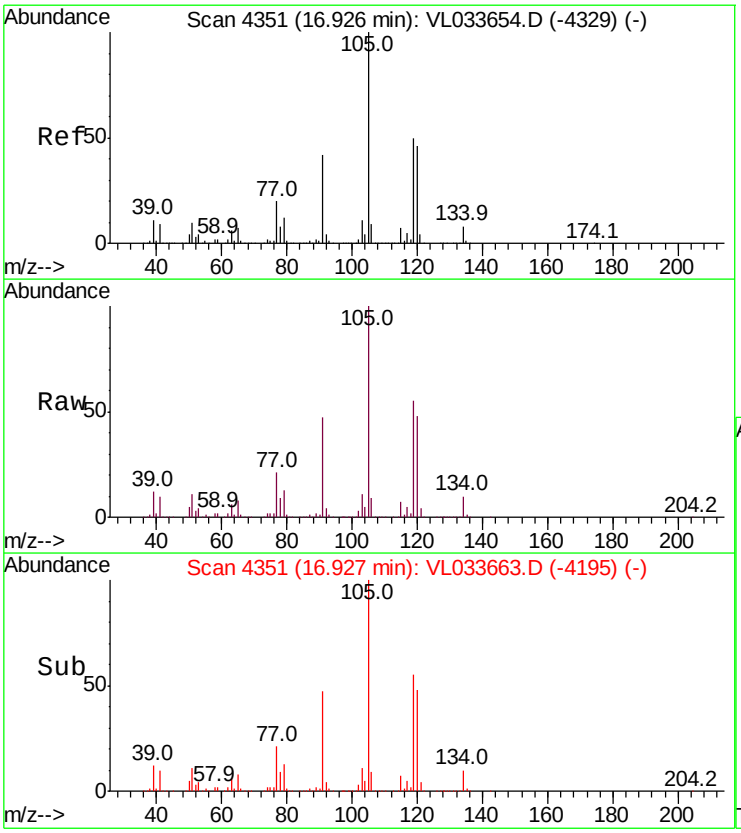
#73
1,3,5-Trimethylbenzene
Concen: 7.838 ppbv
RT: 16.16 min Scan# 4112
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 3282261

Ion	Ratio	Lower	Upper
105	100		
120	45.0	35.5	53.3

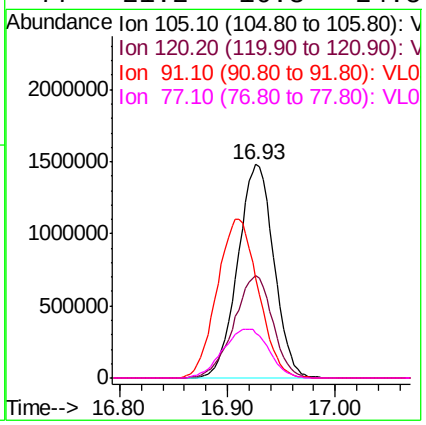


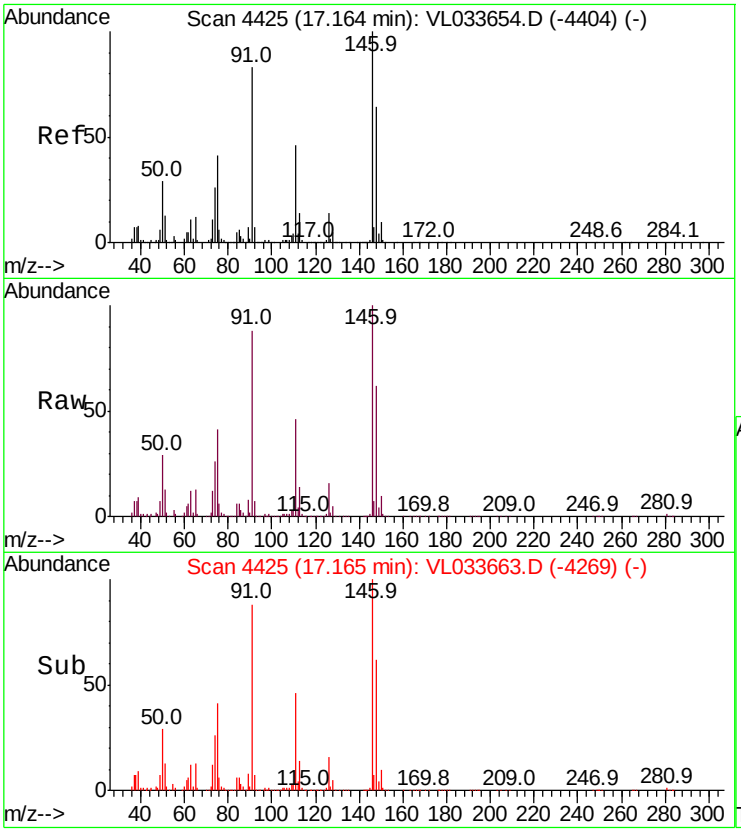


#74
1,2,4-Trimethylbenzene
Concen: 7.385 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:105 Resp: 3437881

Ion	Ratio	Lower	Upper
105	100		
120	47.9	36.5	54.7
91	46.7	33.7	50.5
77	21.2	16.3	24.5



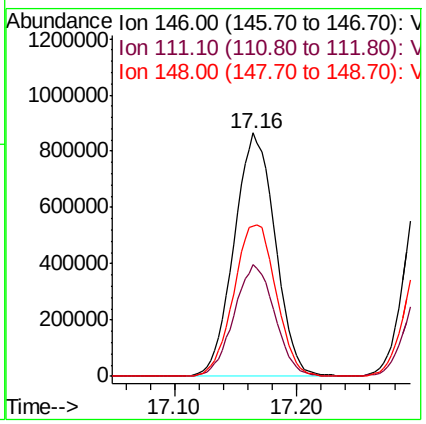


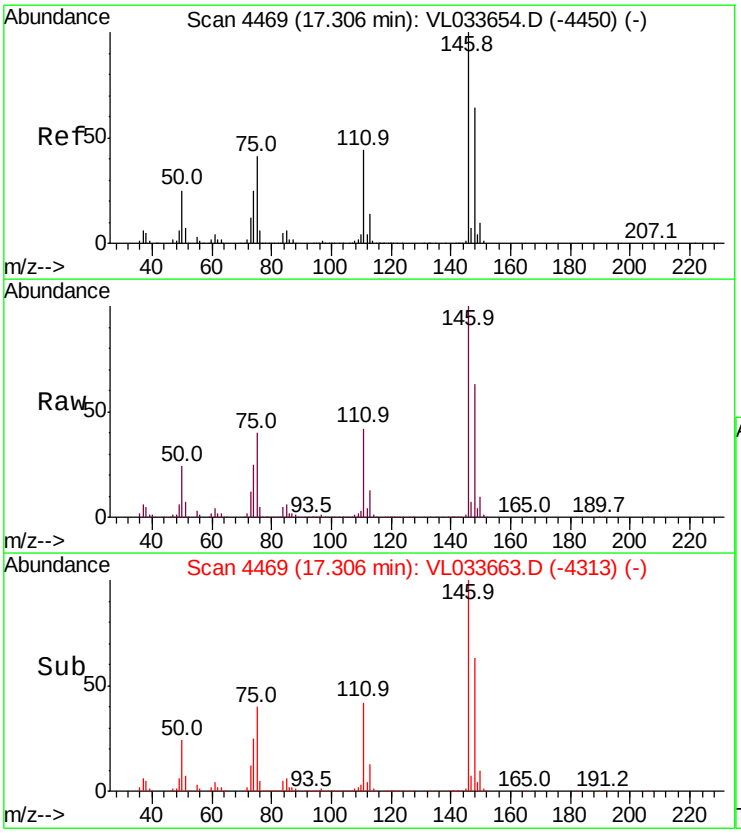
#75
1,3-Dichlorobenzene
Concen: 7.115 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 2000527

Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.6	67.7
148	64.8	31.8	95.4

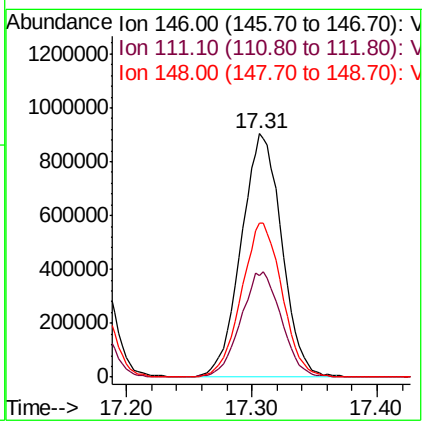


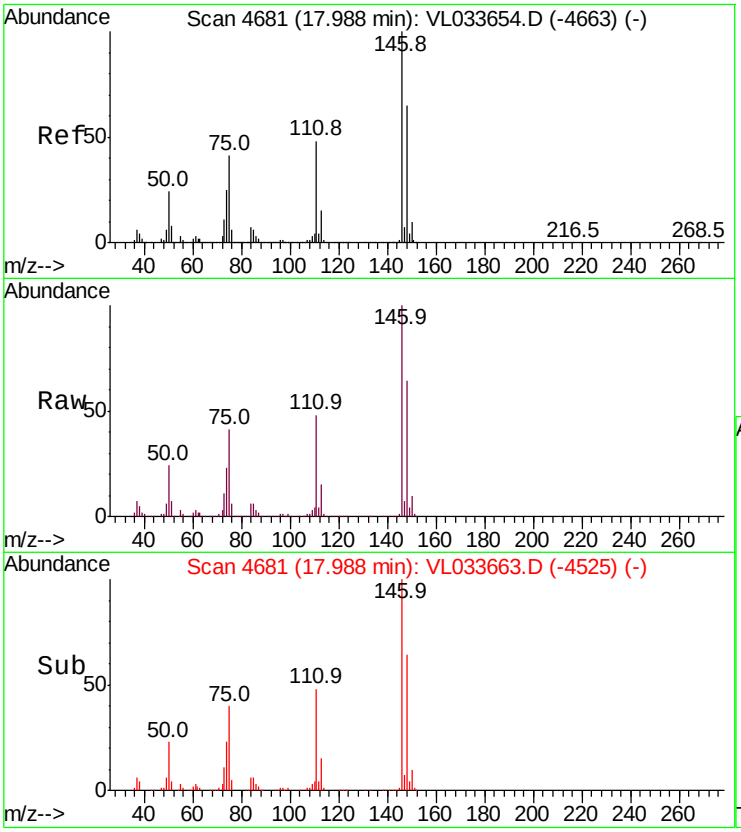


#76
1,4-Dichlorobenzene
Concen: 7.561 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:146 Resp: 2017324

Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.0	66.0
148	64.0	32.1	96.5



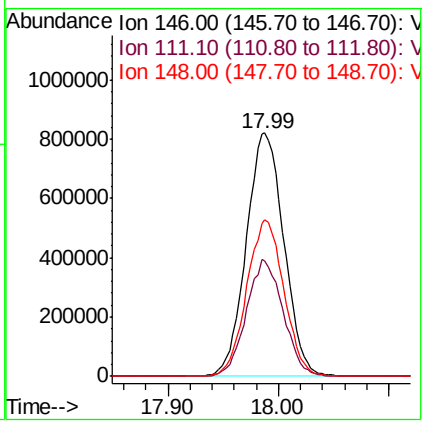


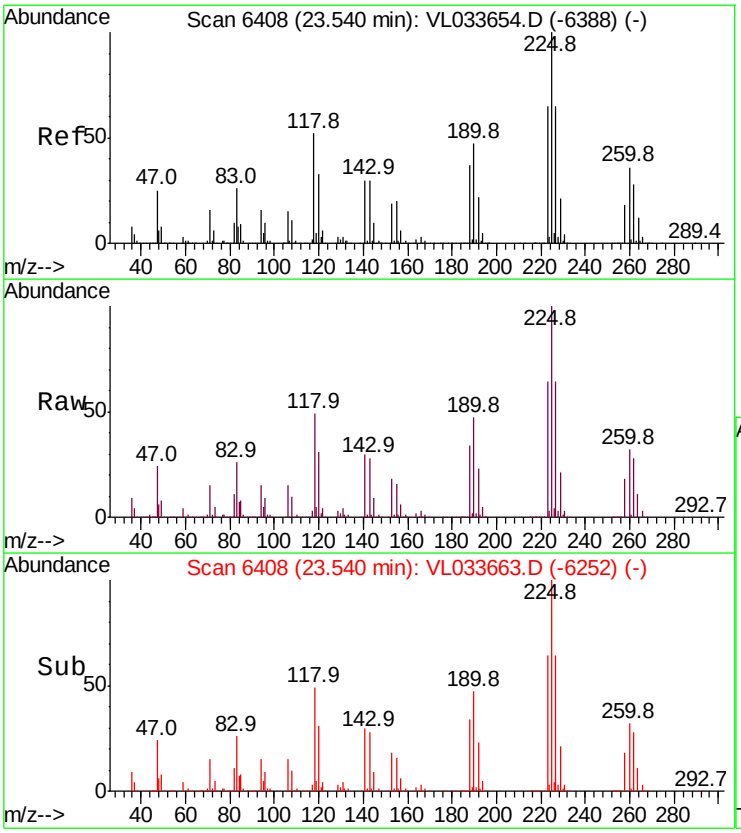
#77
1,2-Dichlorobenzene
Concen: 7.453 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 1941271

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.4	70.0
148	63.5	31.9	95.9

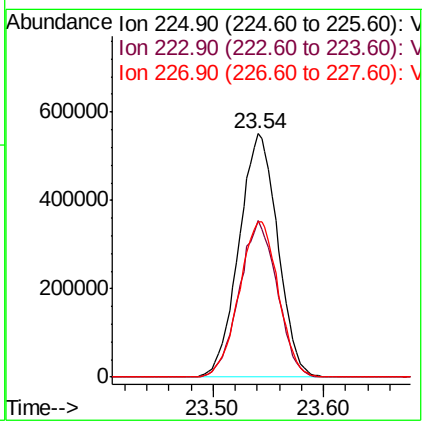


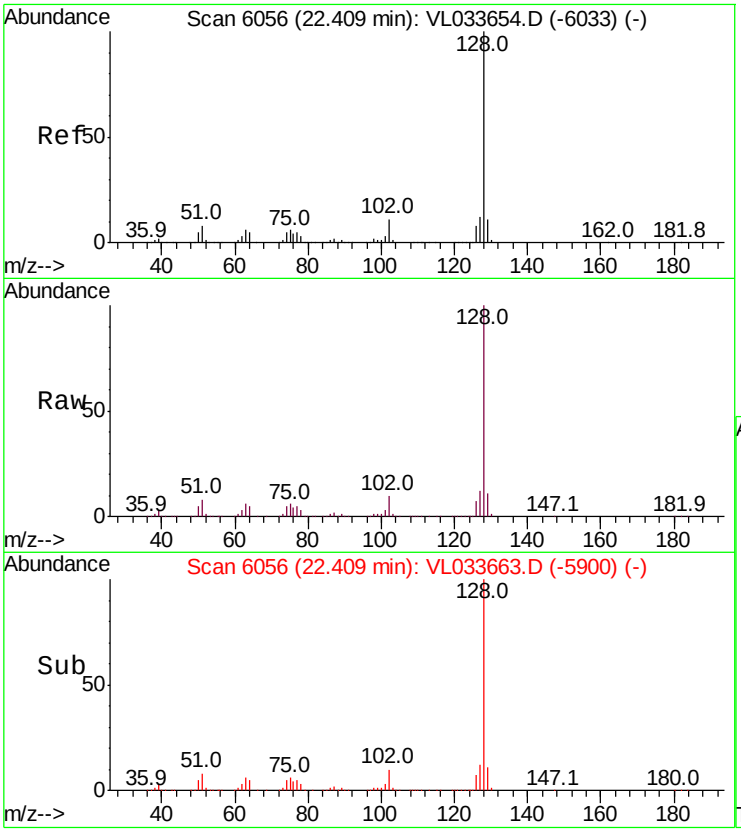


#78
Hexachloro-1,3-Butadiene
Concen: 6.487 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:225 Resp: 1339092

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.7	76.1
227	64.7	51.4	77.2



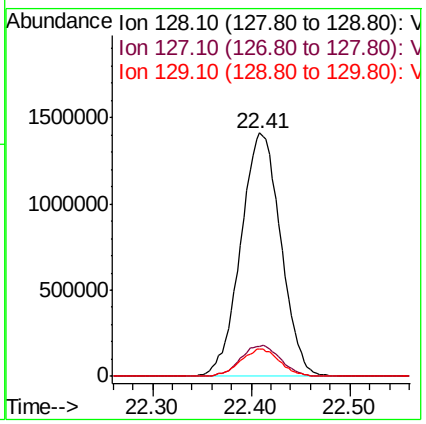


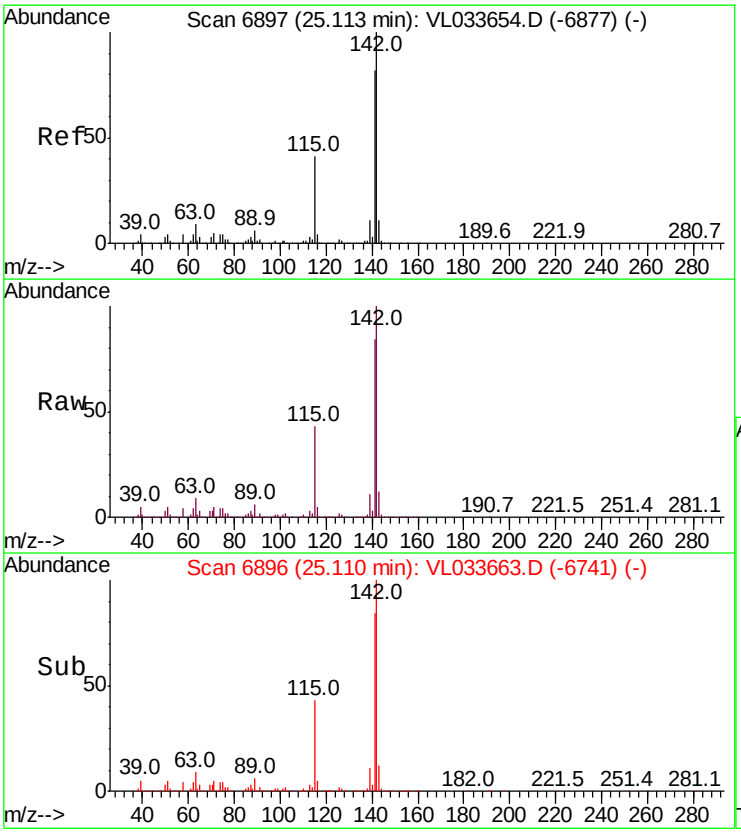
#79
Naphthalene
Concen: 9.317 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 3959881

Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	11.0	8.8	13.2

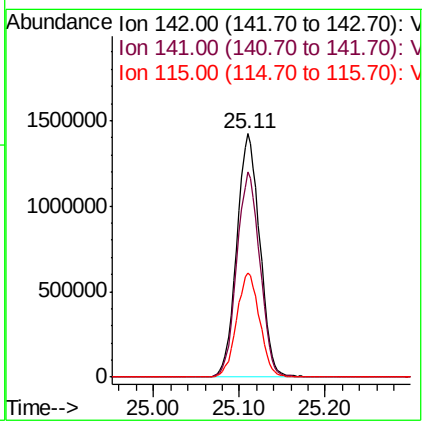


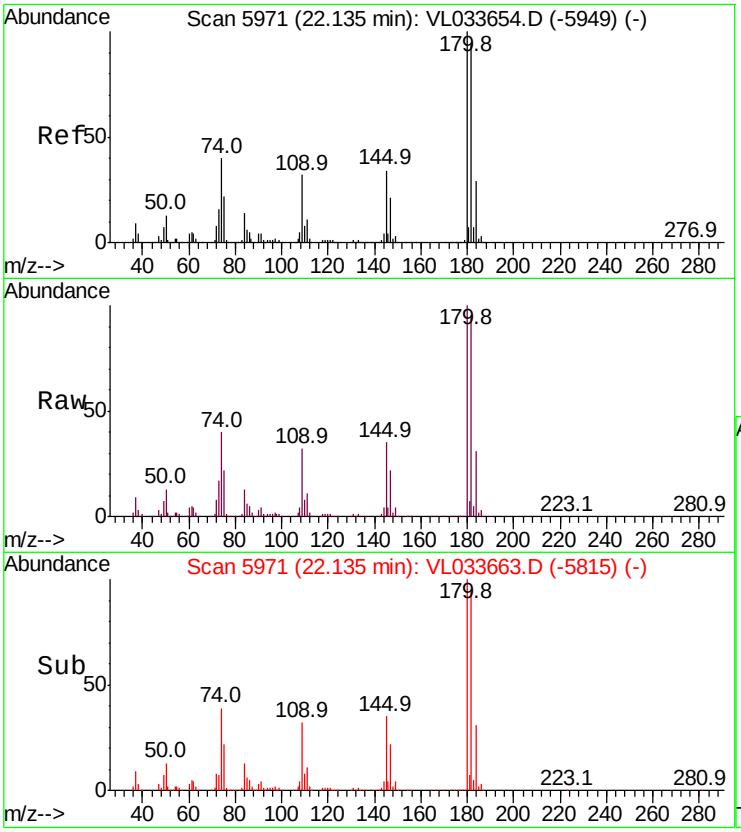


#80
Naphthalene,2-methyl-
Concen: 16.408 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. -0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Tgt Ion:142 Resp: 2636402

Ion	Ratio	Lower	Upper
142	100		
141	85.1	67.9	101.9
115	42.8	34.2	51.4





#81
1,2,4-Trichlorobenzene
Concen: 8.527 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. 0.00 min
Lab File: VL033663.D
Acq: 6 May 2019 17:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 2105392

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.4	116.0
184	30.6	24.6	36.8