Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
Data File : VN057106.D
Acq On : 6 Aug 2019 16:26
Operator : JC/SP
Sample : K4166-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 001-WILLETS-PT-BLVD(AUG)

Quant Time: Aug 07 02:16:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 04:19:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.18	128	72233	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.58	114	384723	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.40	117	304206	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.02	65	144813	30.63	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 102.10%				
60) 4-Bromofluorobenzene	12.40	95	100721	22.09	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 73.63%				
63) Toluene-d8	10.08	98	456471	31.77	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 105.90%				
Target Compounds							Qvalue
11) Methyl Iodide	3.96	142	1270	0.223	ug/l	#	89
12) Methyl Acetate	4.32	43	12467	2.642	ug/l	#	88
15) Acetone	3.81	58	258459	549.268	ug/l		94
17) Allyl chloride	4.06	41	24892	3.857	ug/l		87
23) tert-Butyl Alcohol	4.78	59	317	0.522	ug/l	#	100
30) 2-Butanone	6.83	43	11445	5.218	ug/l	#	80
48) t-1,3-Dichloropropene	10.15	75	2414	0.429	ug/l	#	1
49) cis-1,3-Dichloropropene	10.15	75	2414	0.368	ug/l	#	1
51) Ethyl methacrylate	10.09	69	1474	0.252	ug/l		76
55) 2-Chloroethyl vinyl ether	10.15	63	27353	10.797	ug/l	#	1
58) 4-Methyl-2-Pentanone	9.98	43	7189	1.761	ug/l		99
59) 2-Hexanone	10.74	43	1619	0.582	ug/l	#	69
62) Toluene	10.15	91	371121	22.431	ug/l		99
67) m/p-Xylenes	11.94	106	1591	0.245	ug/l		88
68) o-Xylene	11.94	106	1591	0.249	ug/l		96
76) 1,3,5-Trimethylbenzene	12.73	105	3059	0.216	ug/l		97
77) t-1,4-Dichloro-2-butene	12.40	75	47197	36.243	ug/l	#	11
80) 1,2,4-Trimethylbenzene	13.04	105	5086	0.368	ug/l		94
82) p-Isopropyltoluene	13.28	119	5701	0.398	ug/l		90
83) 1,3-Dichlorobenzene	13.37	146	1411	0.206	ug/l		76
84) 1,4-Dichlorobenzene	13.37	146	1411	0.218	ug/l		76
87) 1,2-Dichlorobenzene	13.65	146	1405	0.207	ug/l		90
89) 1,2,4-Trichlorobenzene	15.30	180	2227	8.482	ug/l		100
90) Hexachlorobutadiene	15.00	225	717	0.287	ug/l		82
91) Naphthalene	15.12	128	4800	8.091	ug/l	#	89
92) 1,2,3-Trichlorobenzene	15.30	180	2227	0.620	ug/l		98

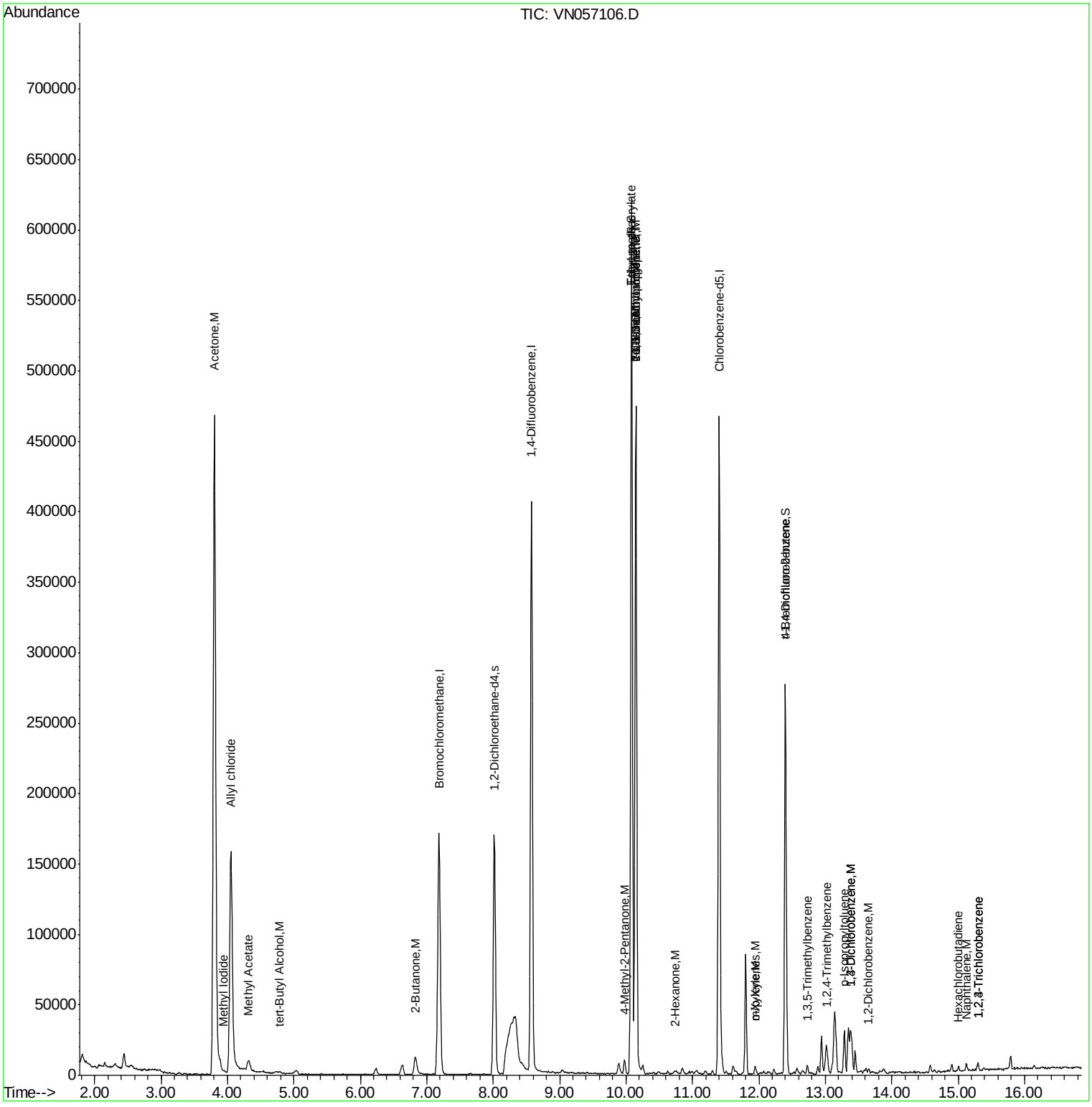
(#) = qualifier out of range (m) = manual integration (+) = signals summed

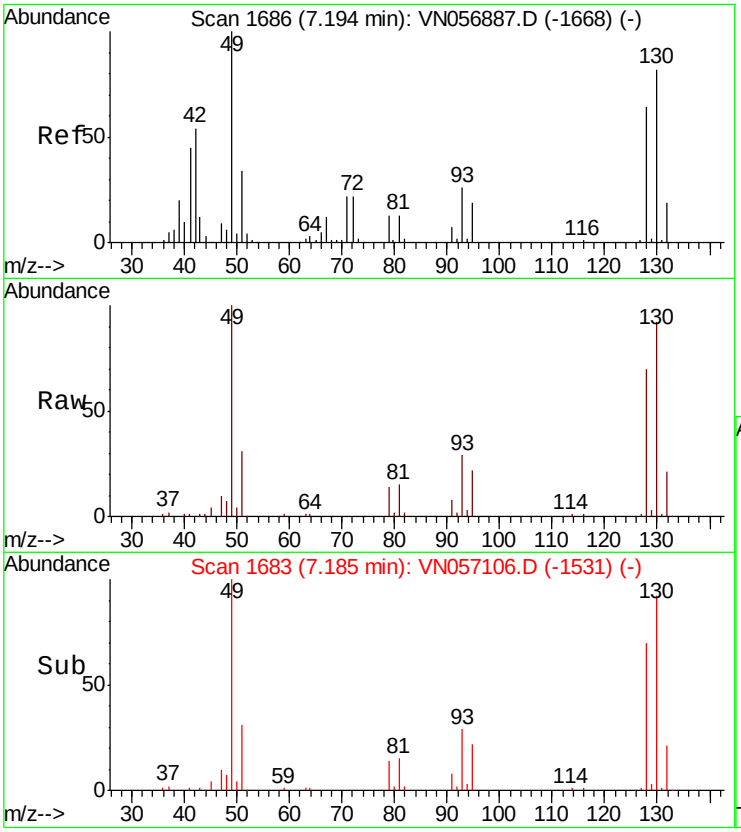
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
Data File : VN057106.D
Acq On : 6 Aug 2019 16:26
Operator : JC/SP
Sample : K4166-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Quant Time: Aug 07 02:16:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 04:19:57 2019
Response via : Initial Calibration



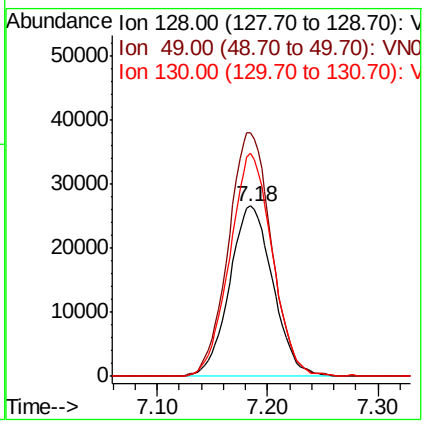


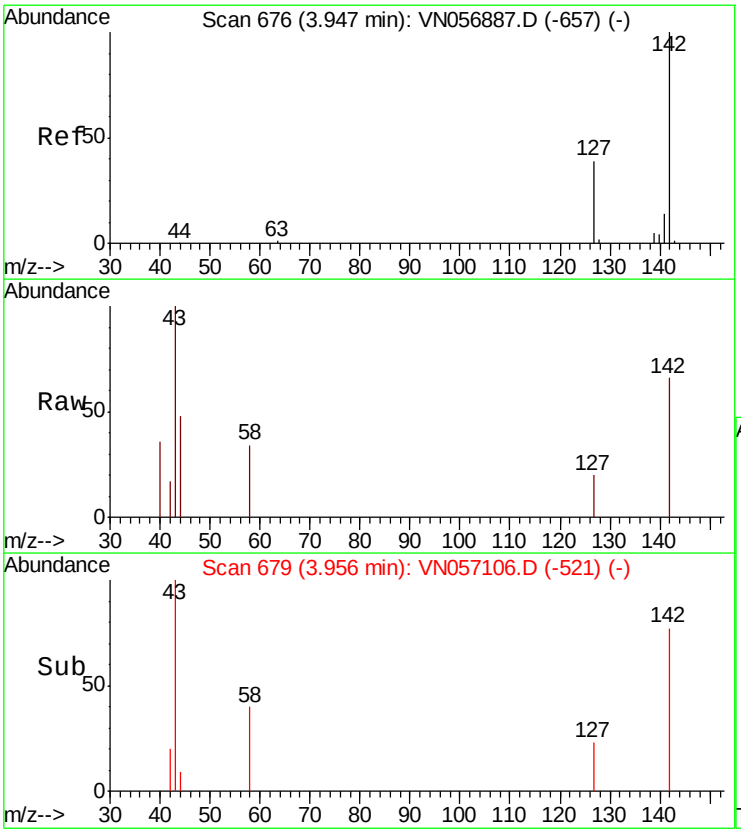
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion:128 Resp: 72233

Ion	Ratio	Lower	Upper
128	100		
49	142.5	0.0	385.8
130	128.8	0.0	322.5

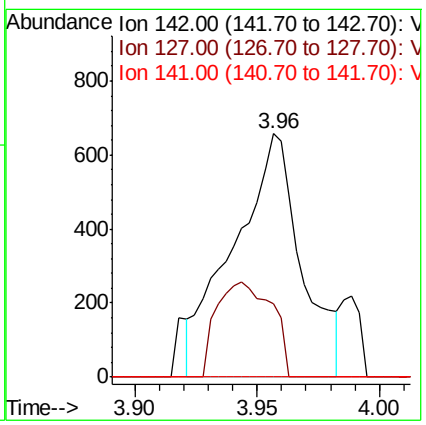


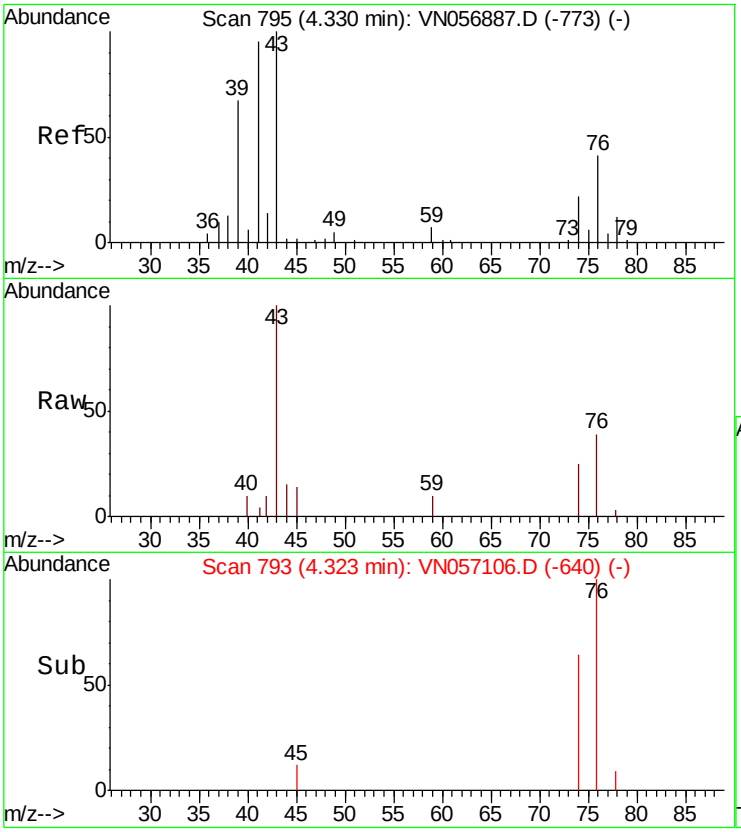


#11
Methyl Iodide
Concen: 0.223 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:142 Resp: 1270

Ion	Ratio	Lower	Upper
142	100		
127	40.1	19.6	58.8
141	0.0	7.2	21.6#



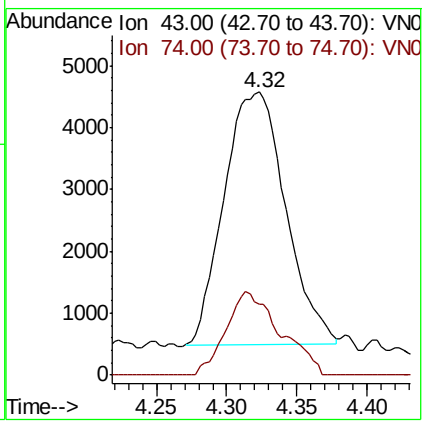


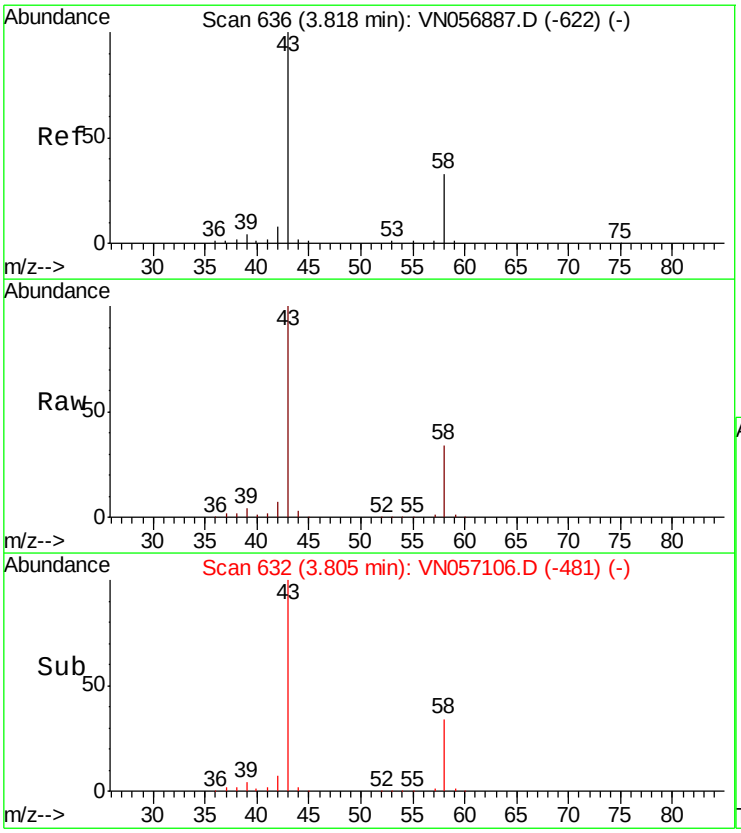
#12
Methyl Acetate
Concen: 2.642 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 43 Resp: 12467

Ion	Ratio	Lower	Upper
43	100		
74	28.2	18.1	27.1#

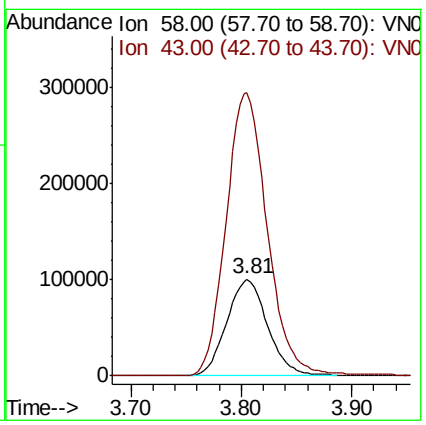


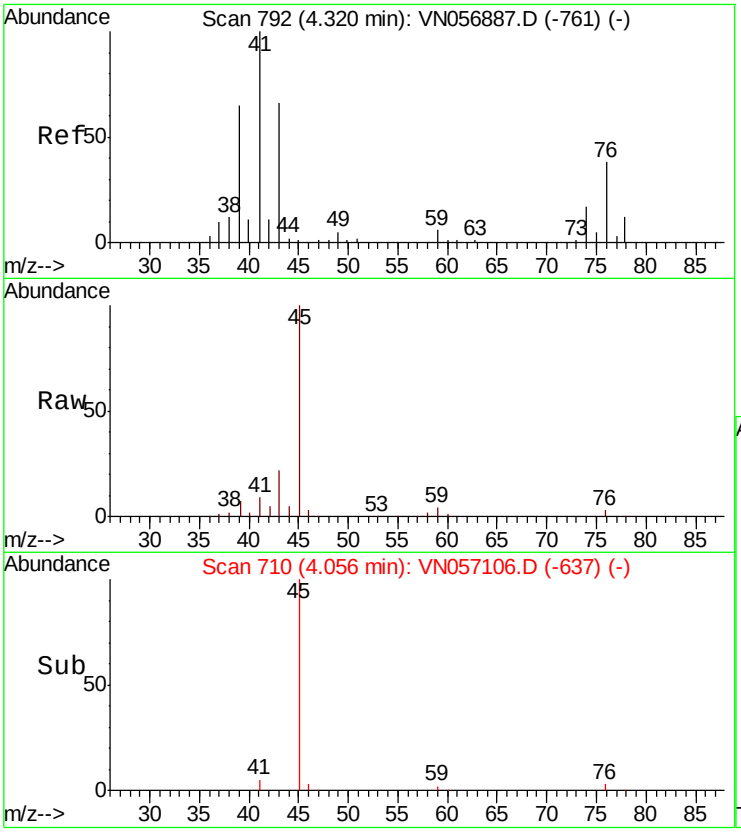


#15
Acetone
Concen: 549.268 ug/l
RT: 3.81 min Scan# 632
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion: 58 Resp: 258459

Ion	Ratio	Lower	Upper
58	100		
43	291.7	242.4	363.6



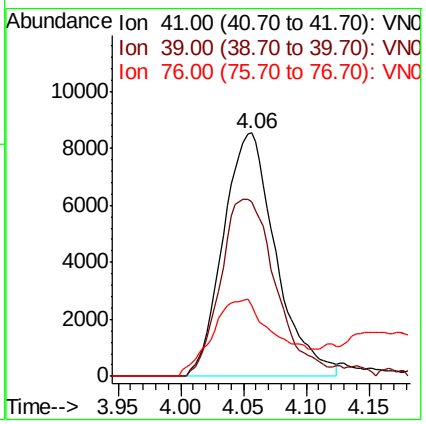


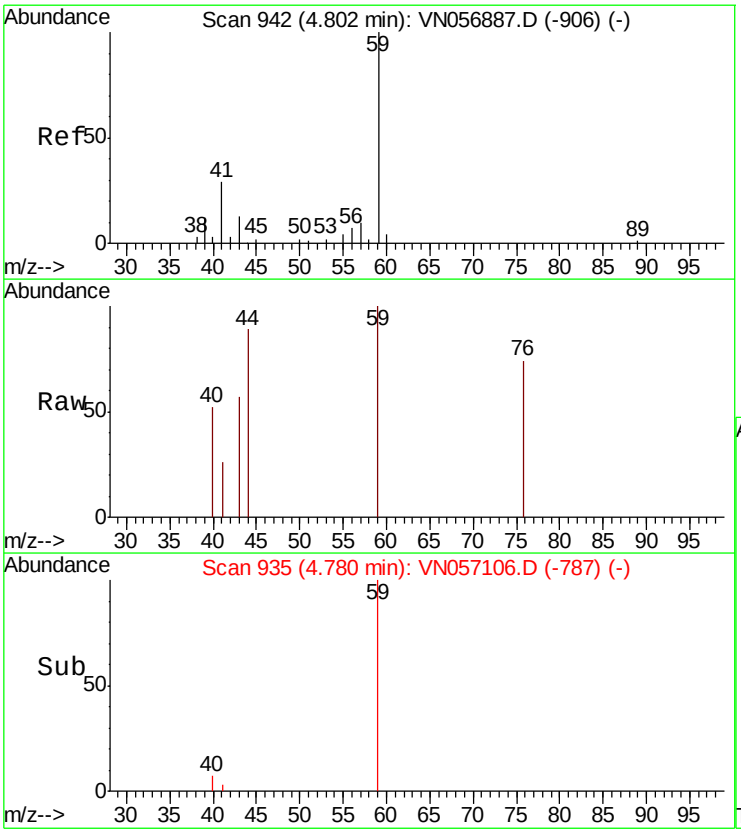
#17
Allyl chloride
Concen: 3.857 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.26 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 41 Resp: 24892

Ion	Ratio	Lower	Upper
41	100		
39	71.5	32.4	97.0
76	25.4	19.0	57.0

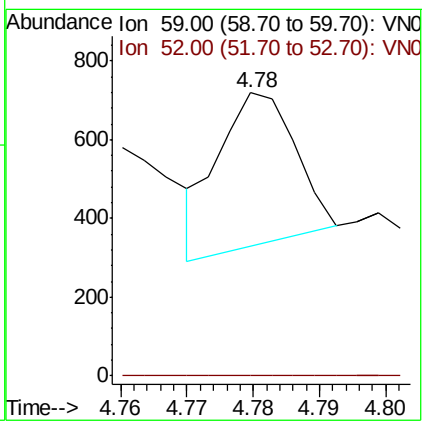


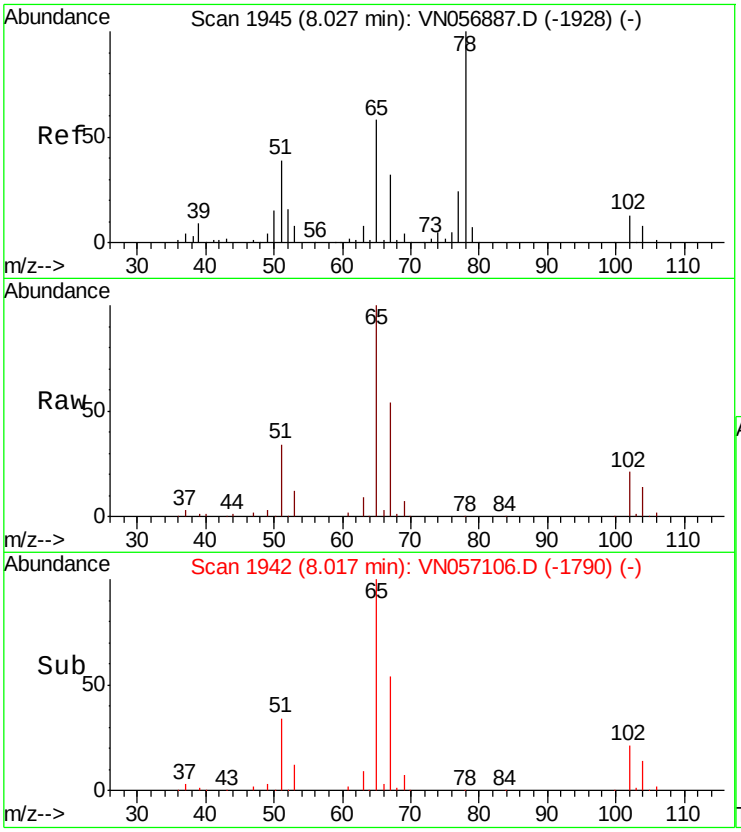


#23
tert-Butyl Alcohol
Concen: 0.522 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.02 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion: 59 Resp: 317

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



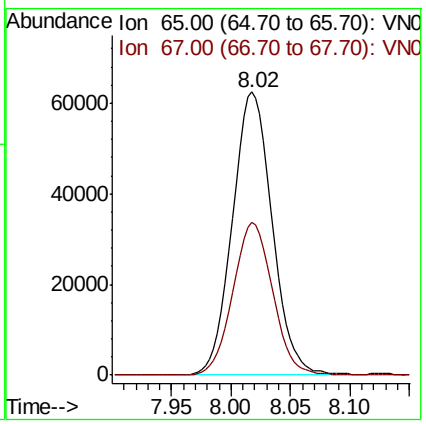


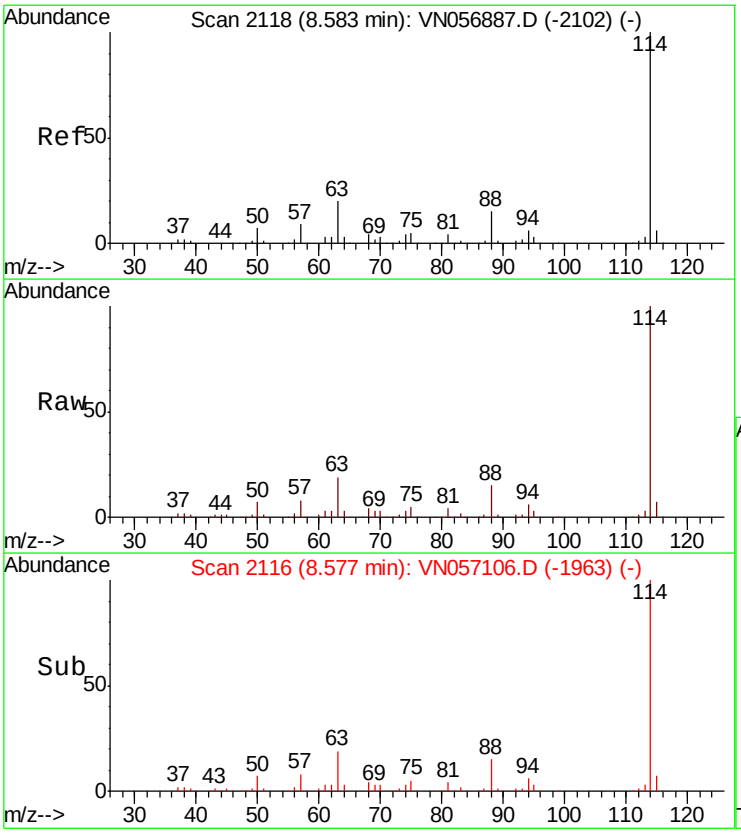
#27
1,2-Dichloroethane-d4
Concen: 30.634 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 65 Resp: 144813

Ion	Ratio	Lower	Upper
65	100		
67	54.0	44.6	66.8

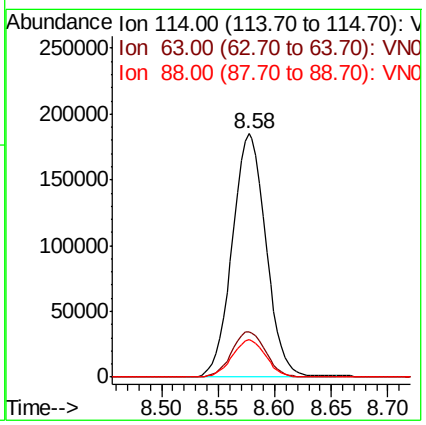


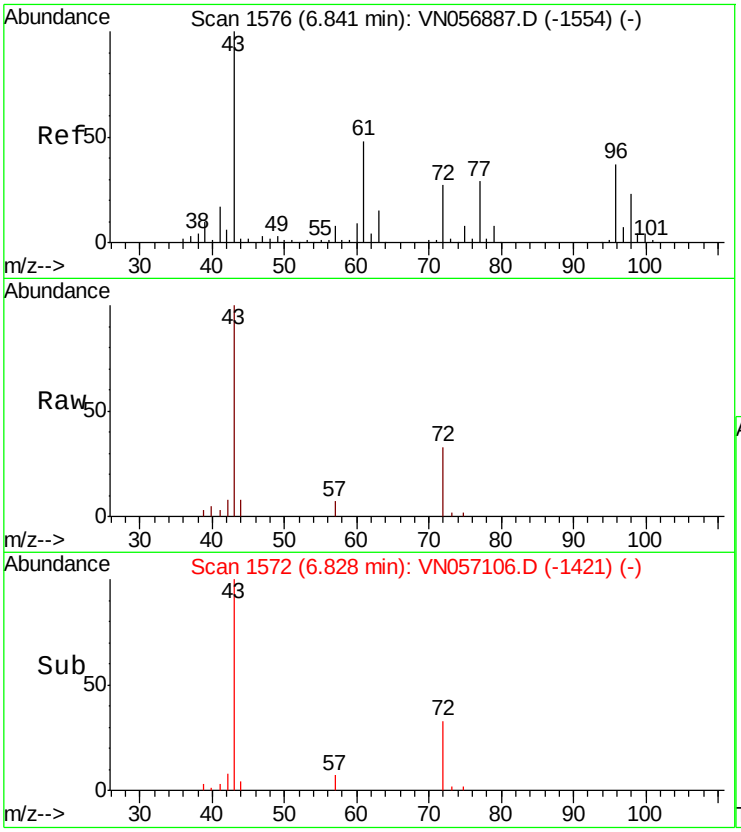


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:114 Resp: 384723

Ion	Ratio	Lower	Upper
114	100		
63	18.8	15.8	23.6
88	15.3	12.5	18.7



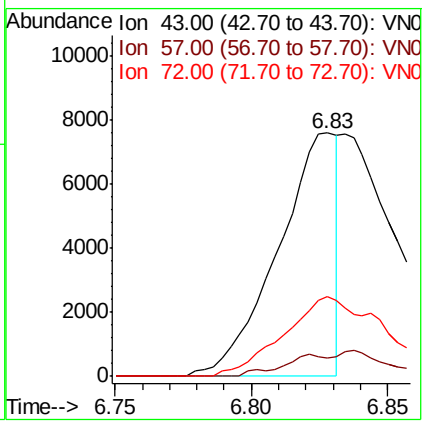


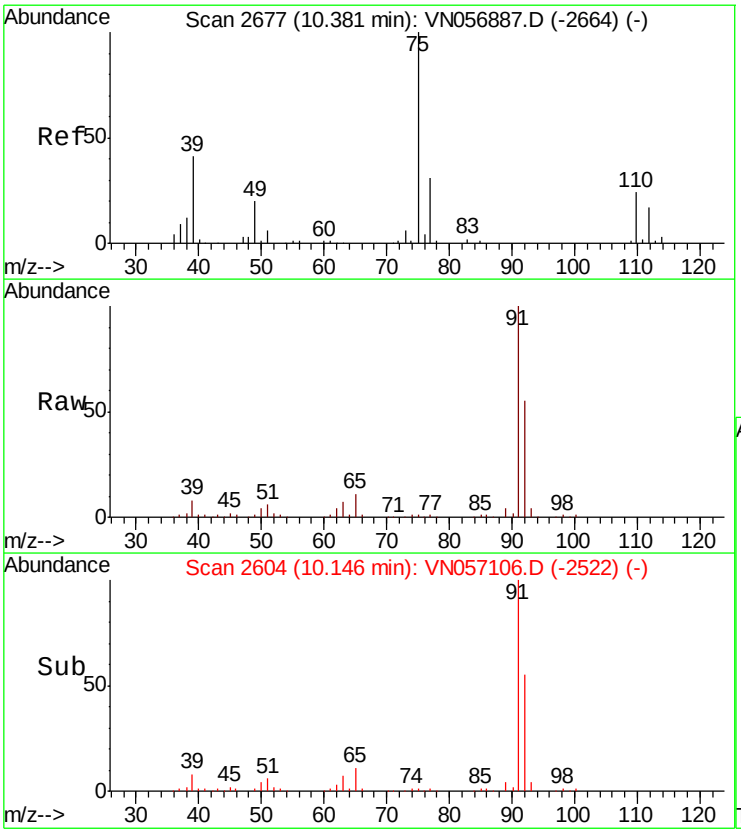
#30
2-Butanone
Concen: 5.218 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 43 Resp: 11445

Ion	Ratio	Lower	Upper
43	100		
57	4.8	6.5	9.7#
72	39.8	22.1	33.1#

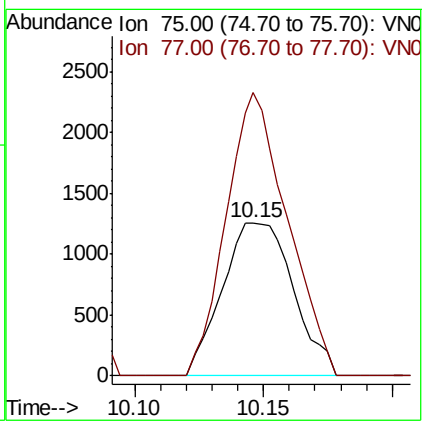


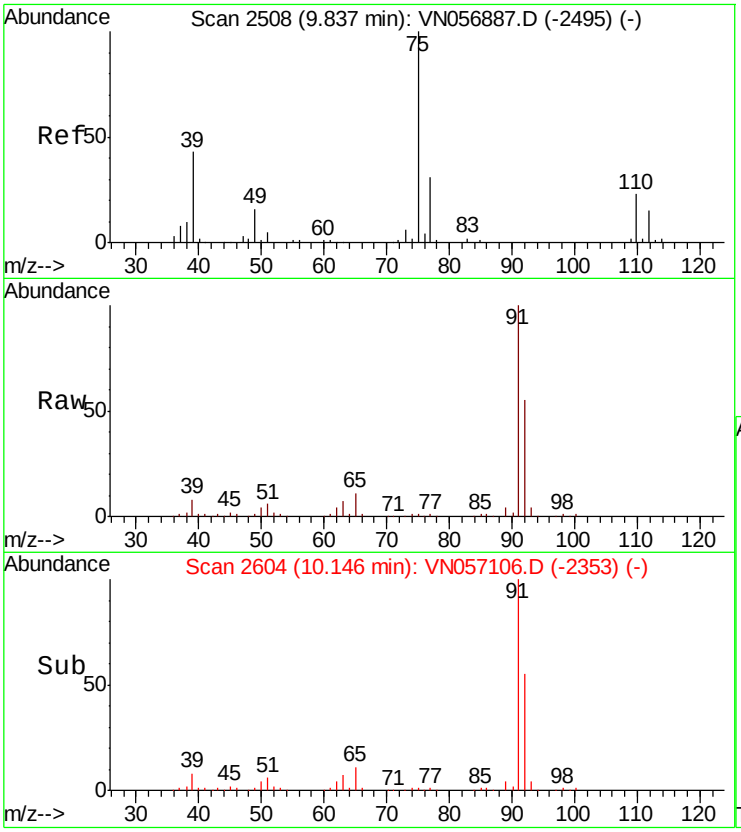


#48
t-1,3-Dichloropropene
Concen: 0.429 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. -0.23 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion: 75 Resp: 2414

Ion	Ratio	Lower	Upper
75	100		
77	184.5	25.4	38.0#



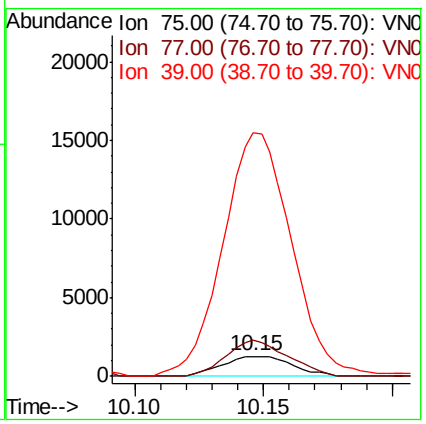


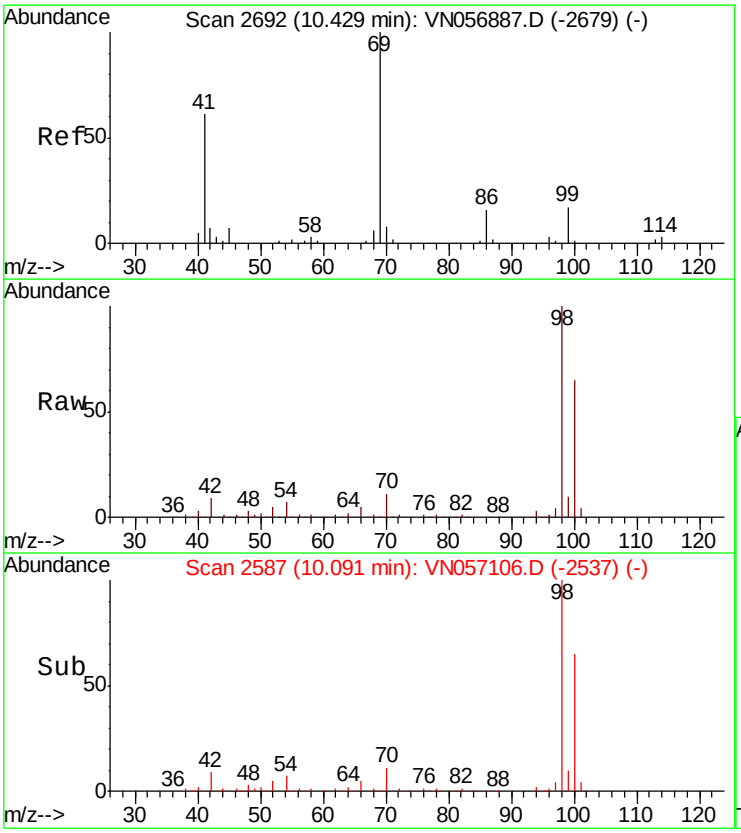
#49
cis-1,3-Dichloropropene
Concen: 0.368 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.31 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 75 Resp: 2414

Ion	Ratio	Lower	Upper
75	100		
77	184.5	24.4	36.6#
39	1161.1	34.2	51.4#

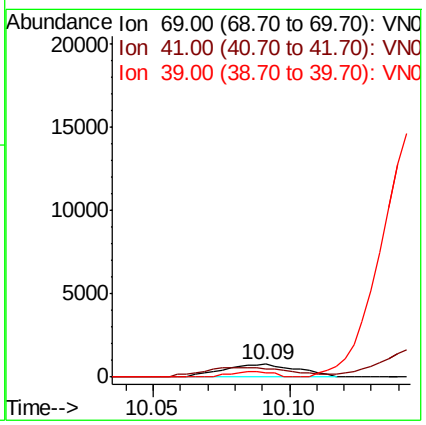


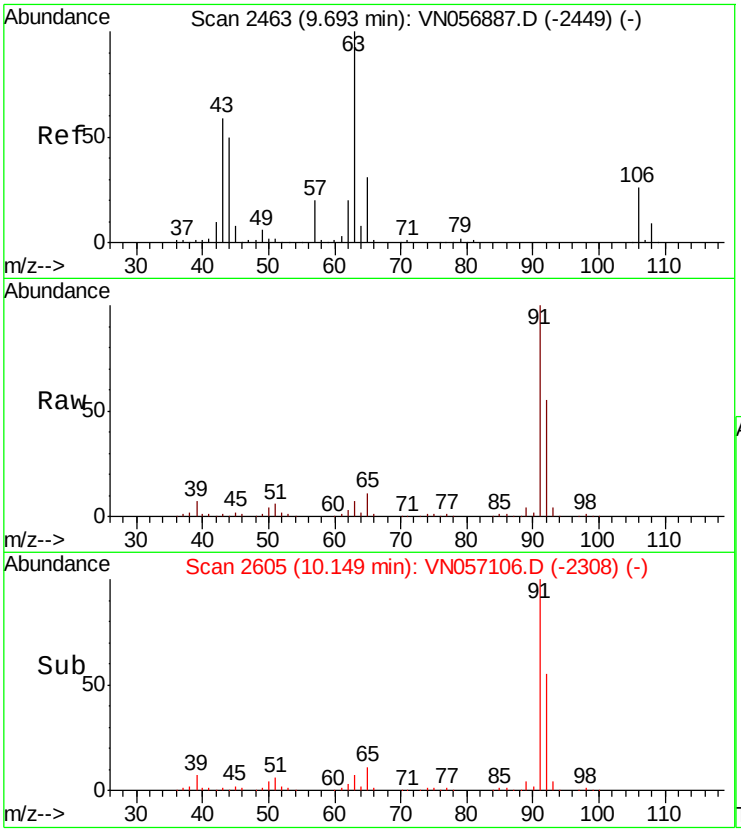


#51
Ethyl methacrylate
Concen: 0.252 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.34 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion: 69 Resp: 1474

Ion	Ratio	Lower	Upper
69	100		
41	39.6	30.4	91.3
39	36.6	14.2	42.6



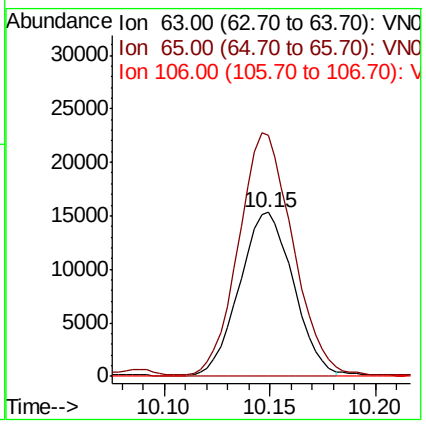


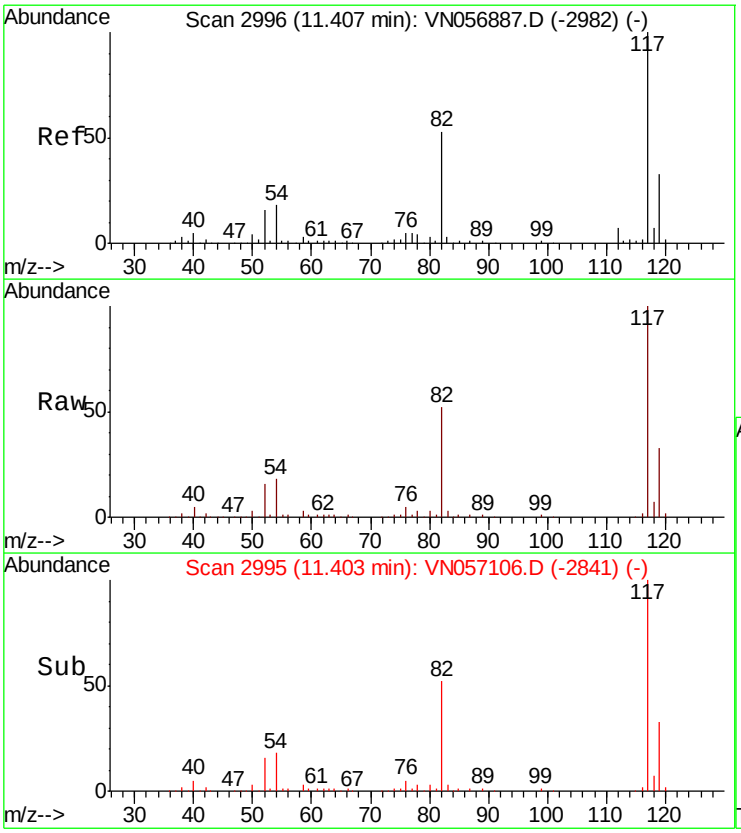
#55
2-Chloroethyl vinyl ether
Concen: 10.797 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.46 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 63 Resp: 27353

Ion	Ratio	Lower	Upper
63	100		
65	145.6	25.1	37.7#
106	0.0	21.5	32.3#

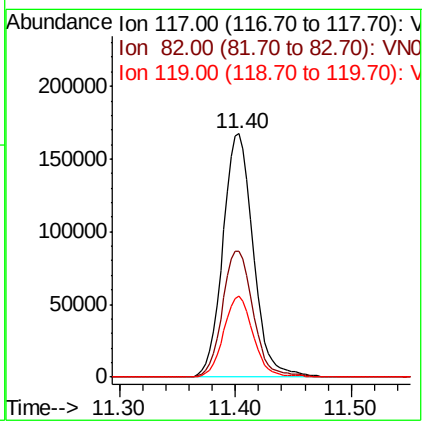


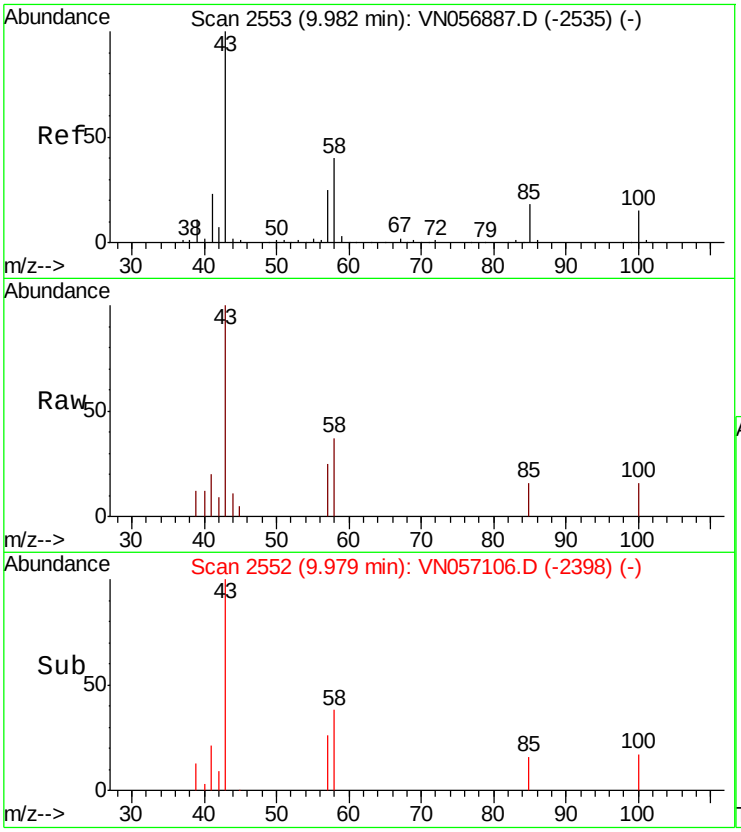


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:117 Resp: 304206

Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.0	64.4
119	32.5	26.2	39.2



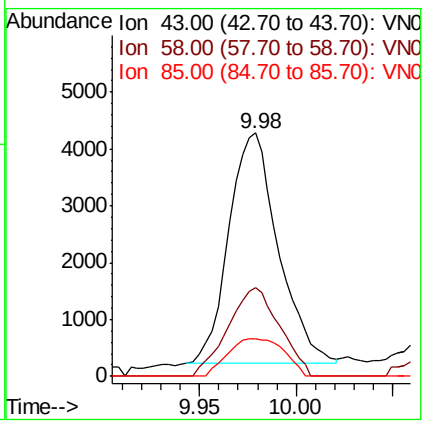


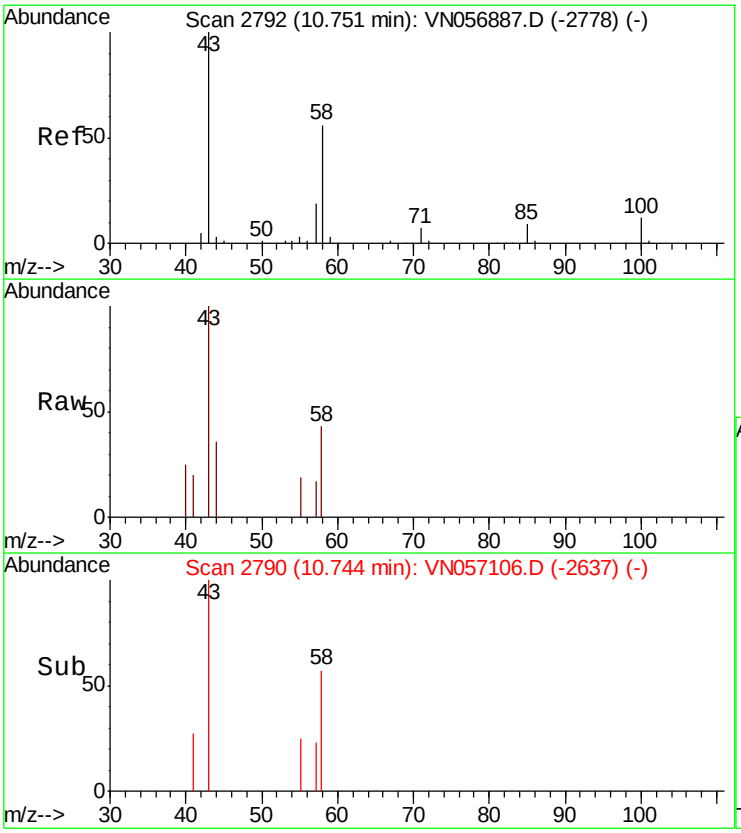
#58
4-Methyl-2-Pentanone
Concen: 1.761 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 43 Resp: 7189

Ion	Ratio	Lower	Upper
43	100		
58	40.0	31.7	47.5
85	18.6	14.5	21.7

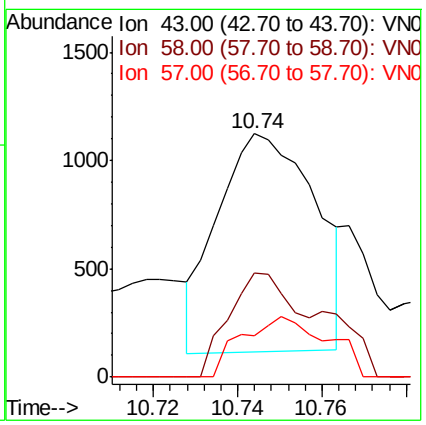


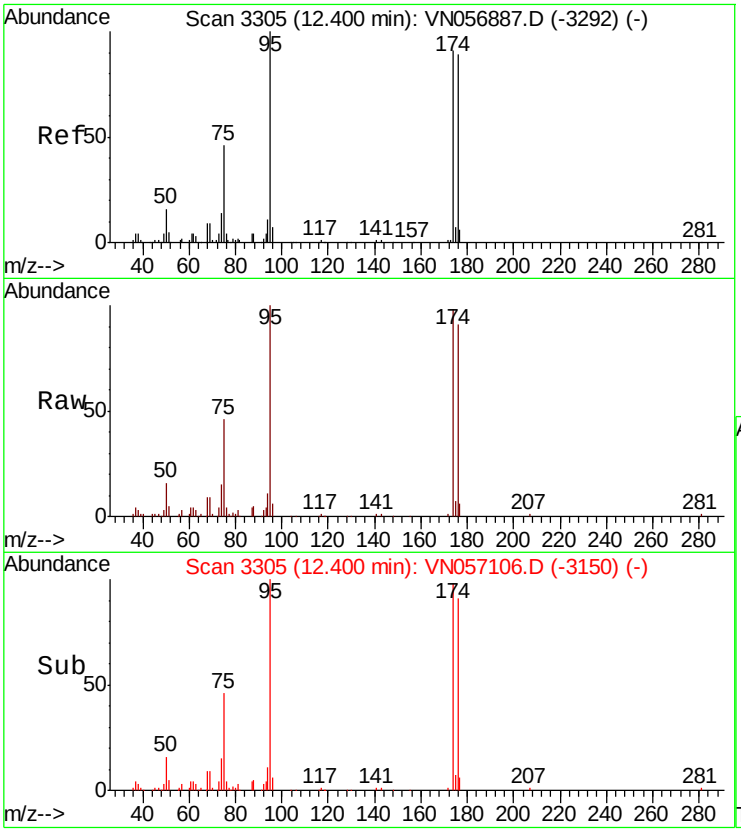


#59
2-Hexanone
Concen: 0.582 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion: 43 Resp: 1619

Ion	Ratio	Lower	Upper
43	100		
58	32.8	45.0	67.4#
57	6.6	15.4	23.0#



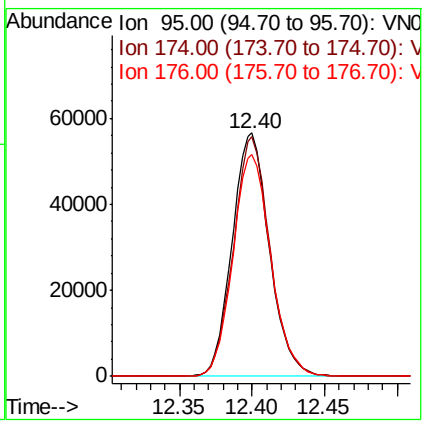


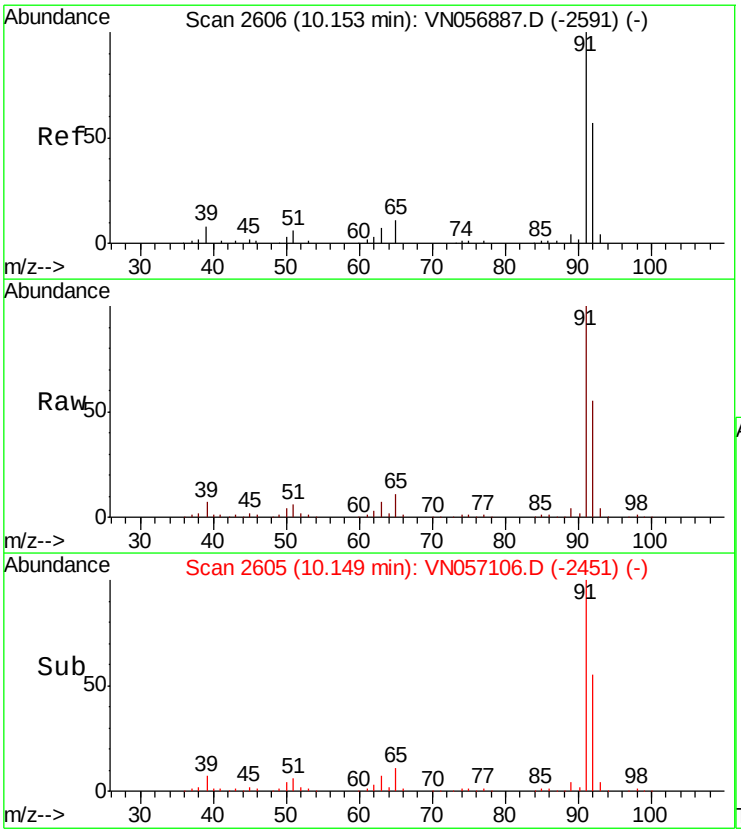
#60
4-Bromofluorobenzene
Concen: 22.091 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 95 Resp: 100721

Ion	Ratio	Lower	Upper
95	100		
174	97.3	71.9	107.9
176	92.7	69.8	104.8

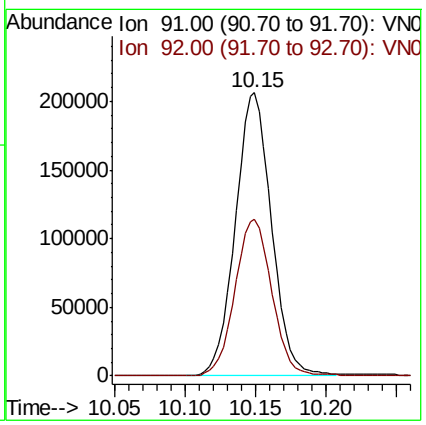


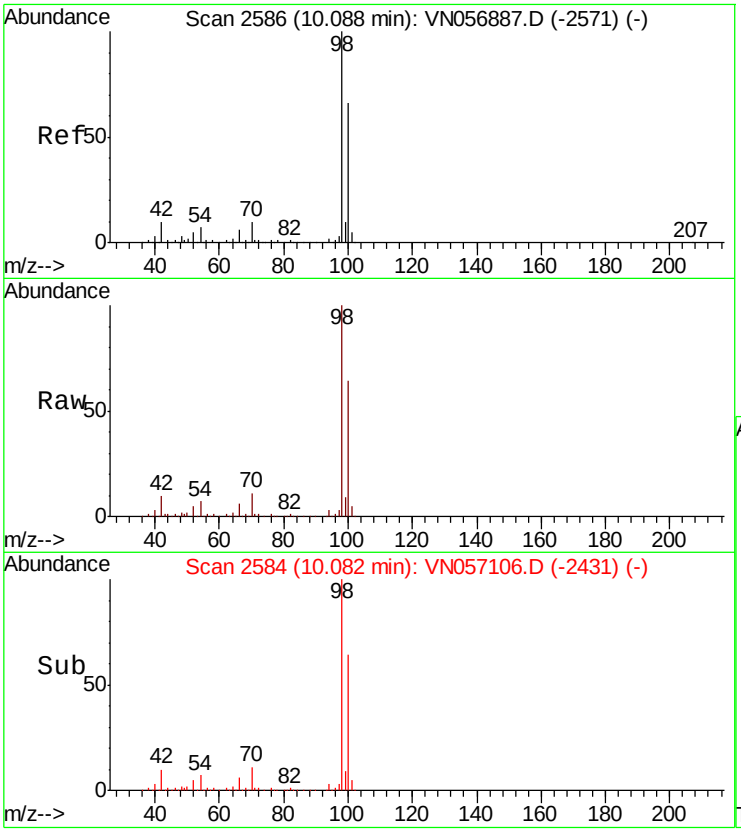


#62
Toluene
Concen: 22.431 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion: 91 Resp: 371121

Ion	Ratio	Lower	Upper
91	100		
92	56.5	46.1	69.1



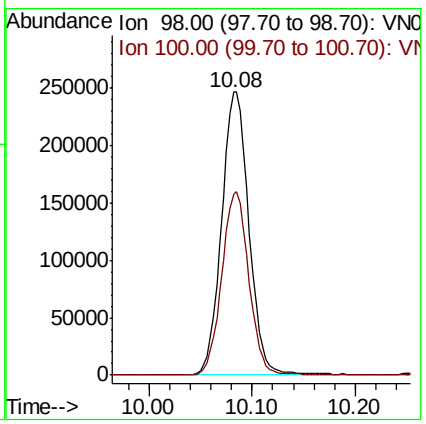


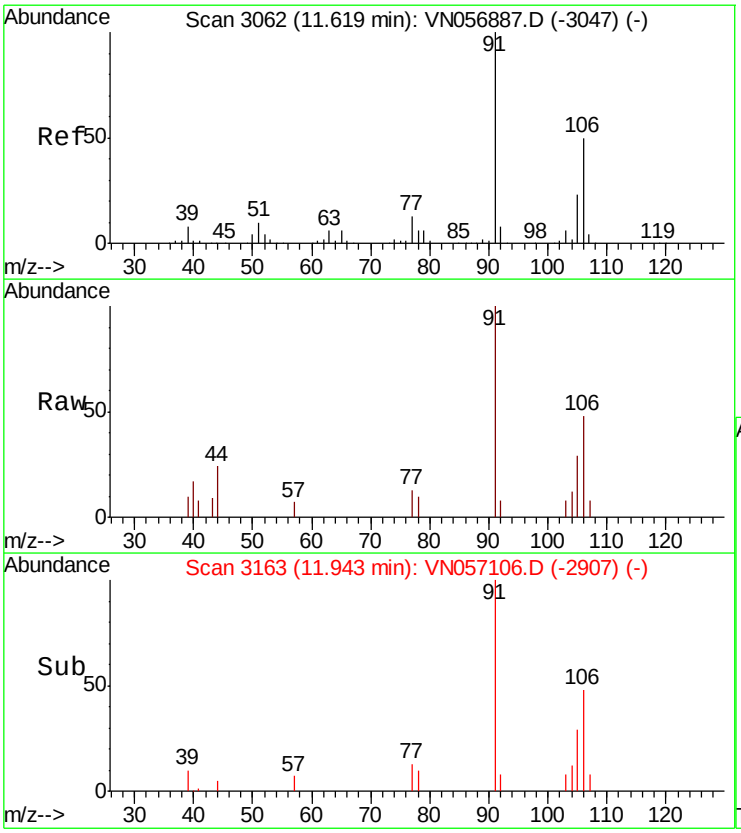
#63
Toluene-d8
Concen: 31.766 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 98 Resp: 456471

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.2

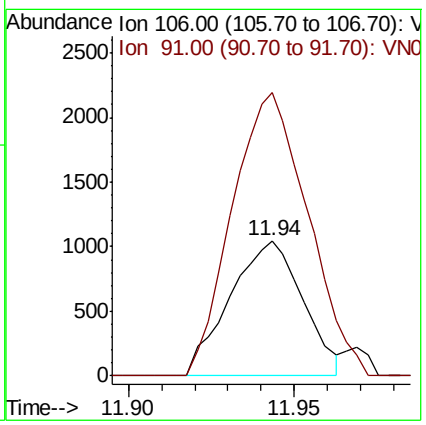


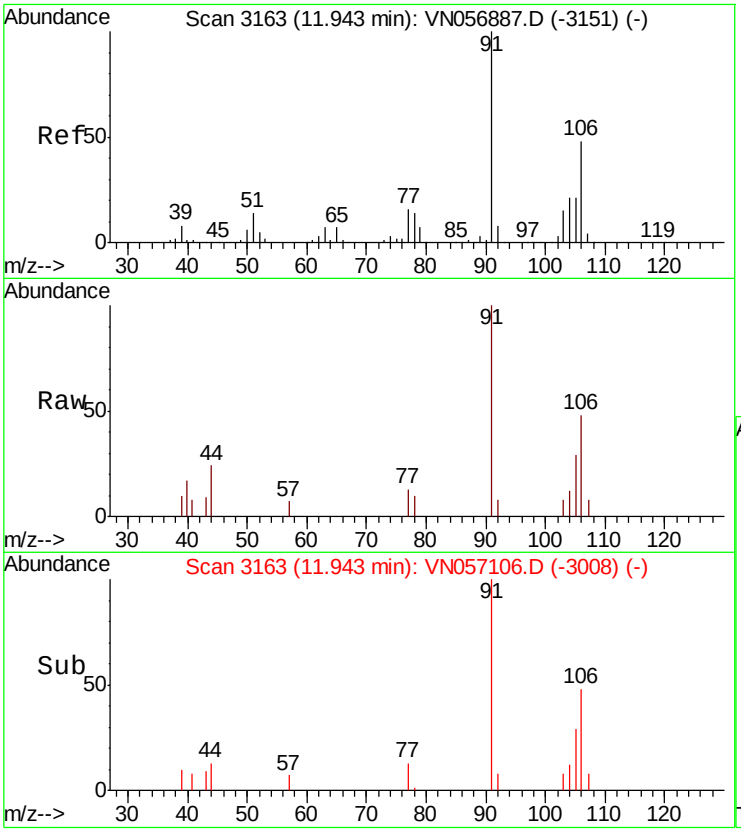


#67
m/p-Xylenes
Concen: 0.245 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.32 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:106 Resp: 1591

Ion	Ratio	Lower	Upper
106	100		
91	219.0	160.6	240.8



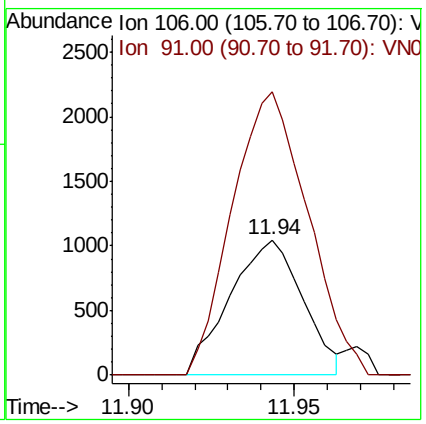


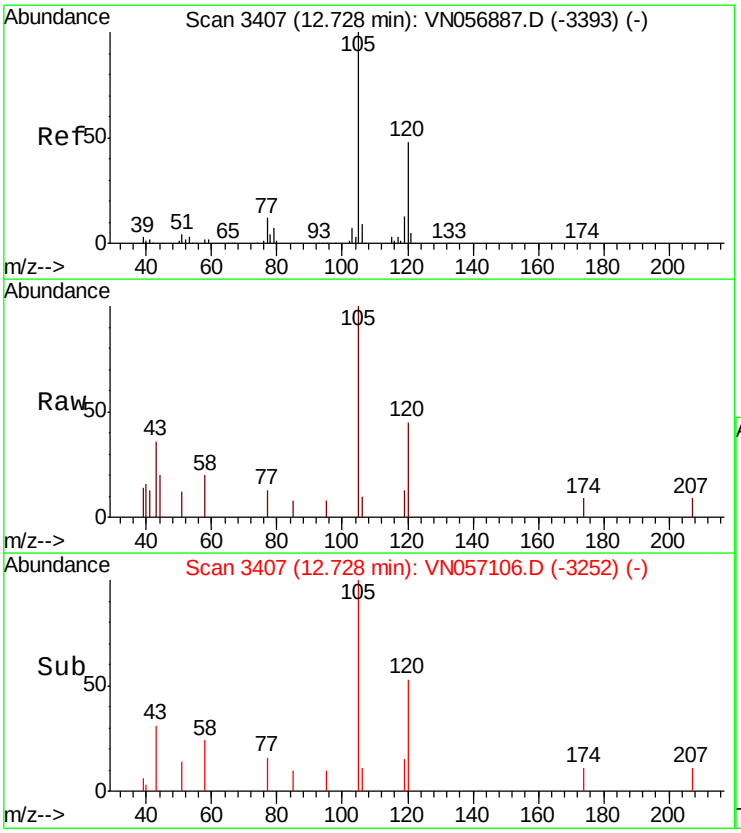
#68
o-Xylene
Concen: 0.249 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion:106 Resp: 1591

Ion	Ratio	Lower	Upper
106	100		
91	219.0	106.2	318.6

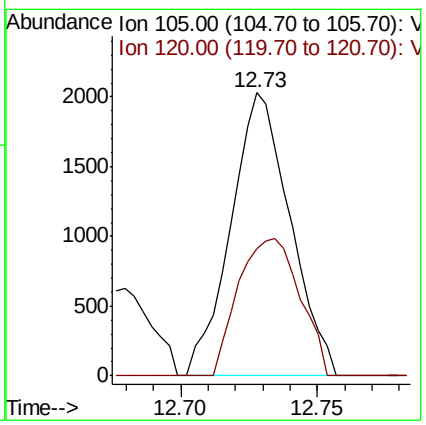


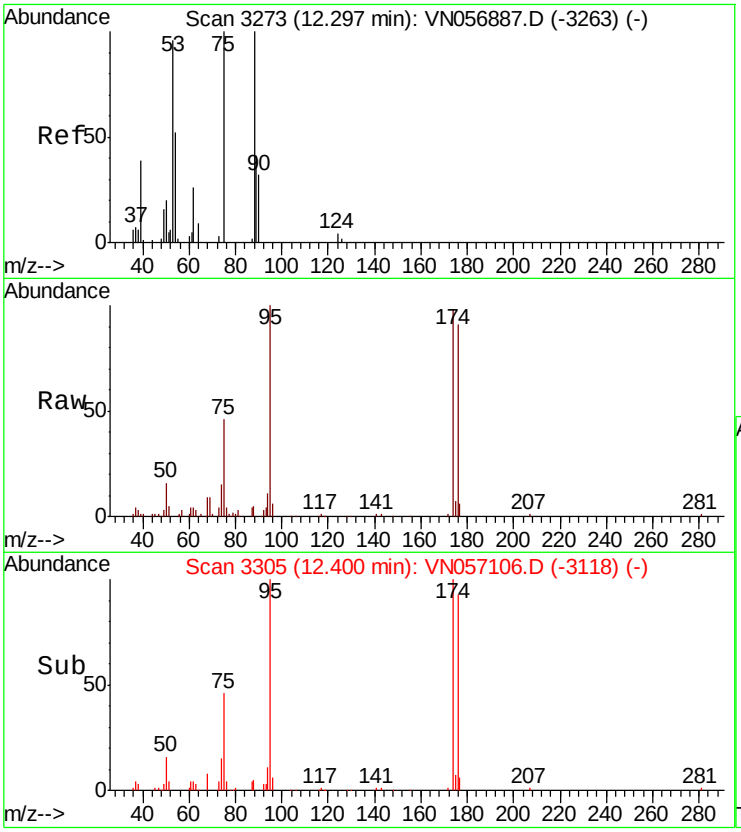


#76
1,3,5-Trimethylbenzene
Concen: 0.216 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:105 Resp: 3059

Ion	Ratio	Lower	Upper
105	100		
120	50.3	0.0	97.2



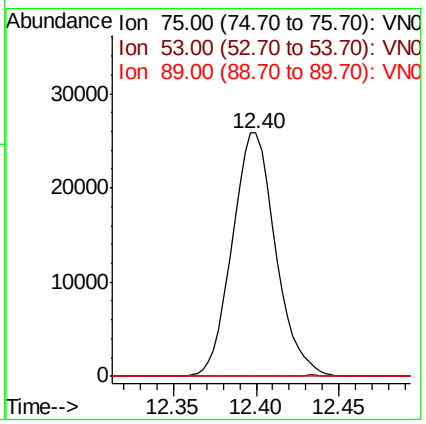


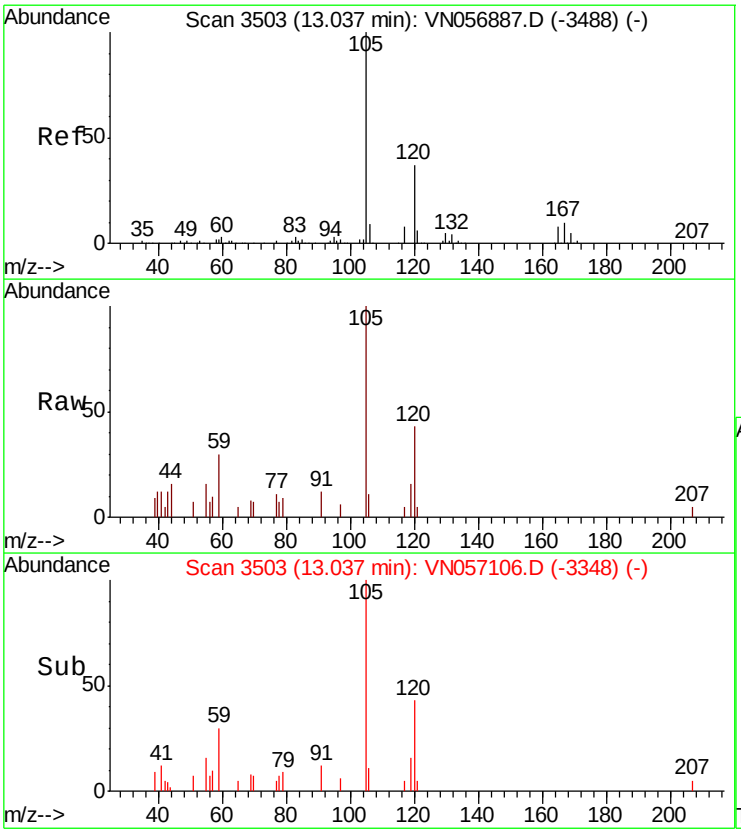
#77
t-1,4-Dichloro-2-butene
Concen: 36.243 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion: 75 Resp: 47197

Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.0	144.0#
89	0.0	21.4	64.3#

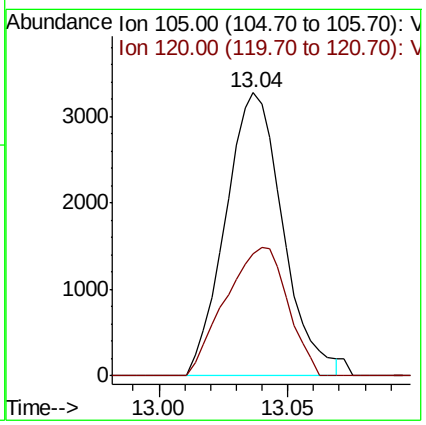


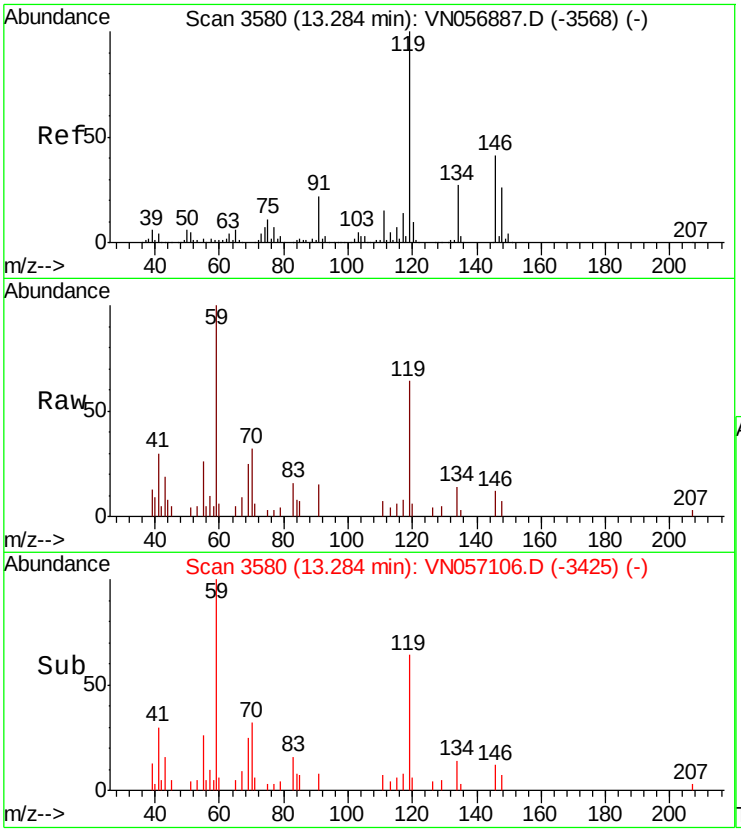


#80
1,2,4-Trimethylbenzene
Concen: 0.368 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:105 Resp: 5086

Ion	Ratio	Lower	Upper
105	100		
120	49.3	0.0	90.6



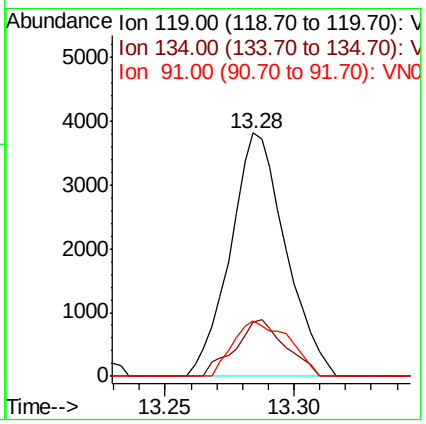


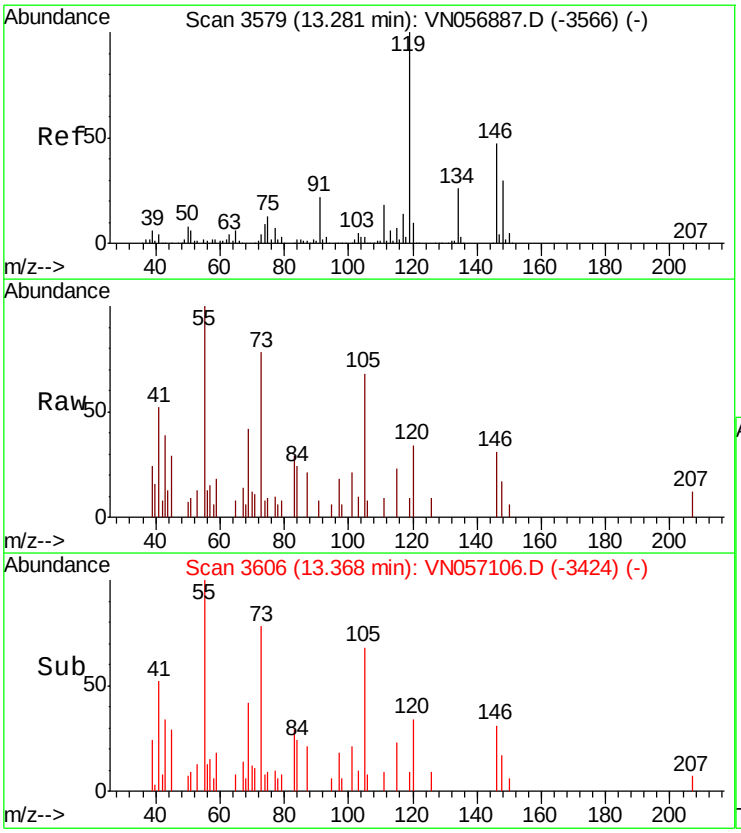
#82
p-Isopropyltoluene
Concen: 0.398 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion:119 Resp: 5701

Ion	Ratio	Lower	Upper
119	100		
134	21.3	0.0	53.2
91	17.2	0.0	44.0

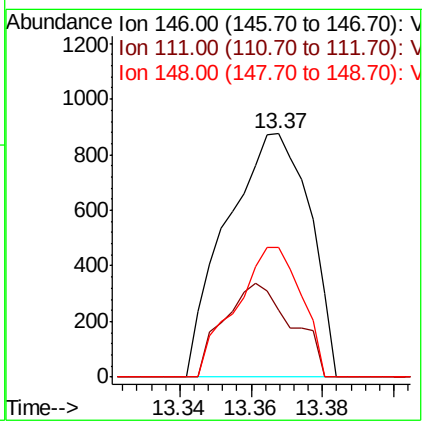


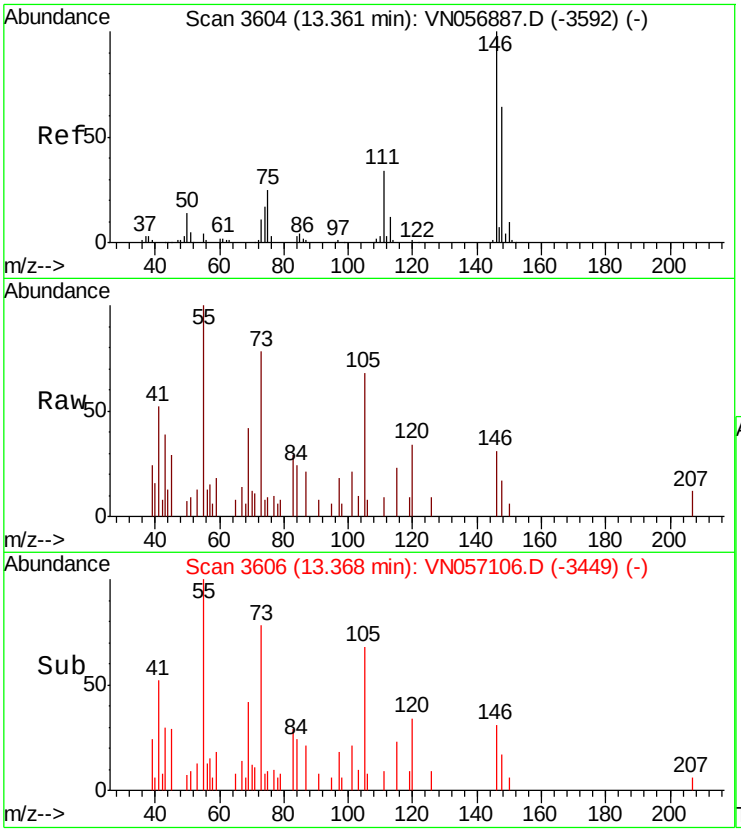


#83
1,3-Dichlorobenzene
Concen: 0.206 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. 0.09 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:146 Resp: 1411

Ion	Ratio	Lower	Upper
146	100		
111	26.8	18.8	56.4
148	42.1	31.7	95.1



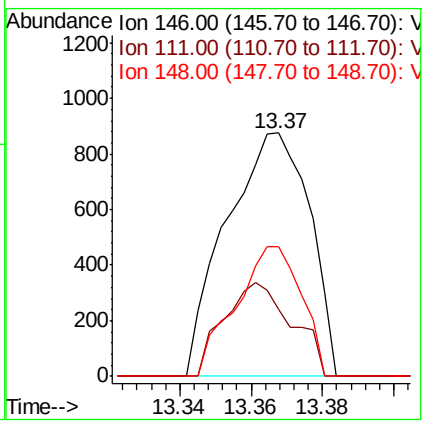


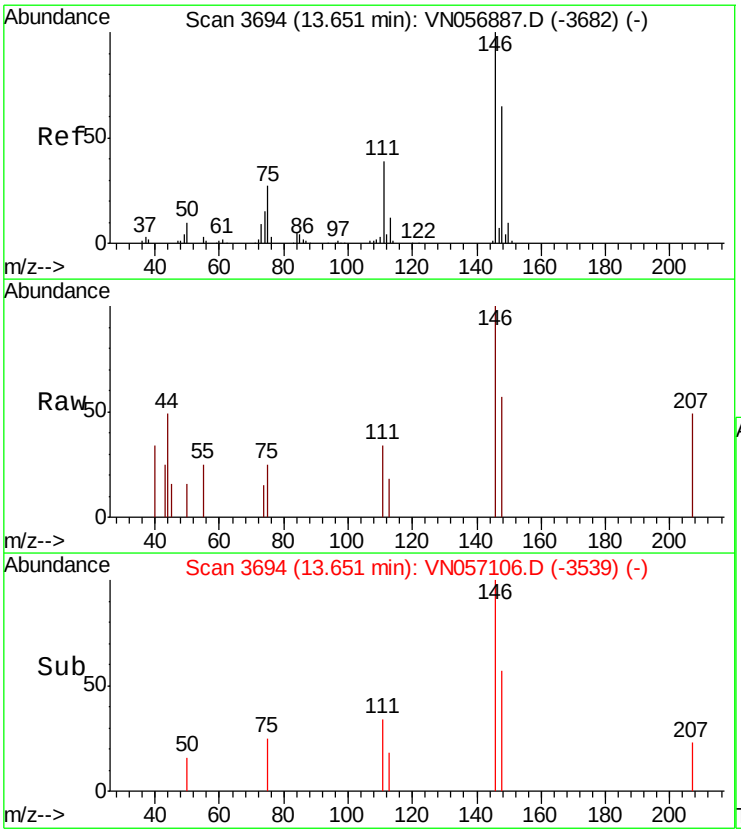
#84
1,4-Dichlorobenzene
Concen: 0.218 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. 0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion:146 Resp: 1411

Ion	Ratio	Lower	Upper
146	100		
111	26.8	17.8	53.5
148	42.1	32.6	97.7

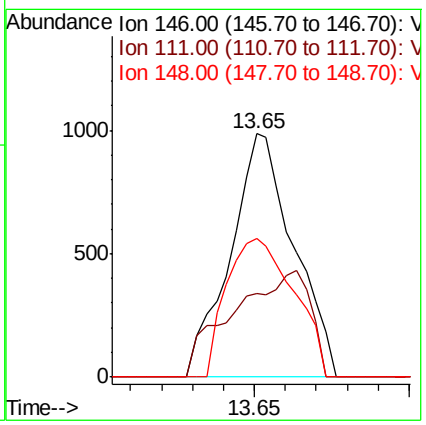


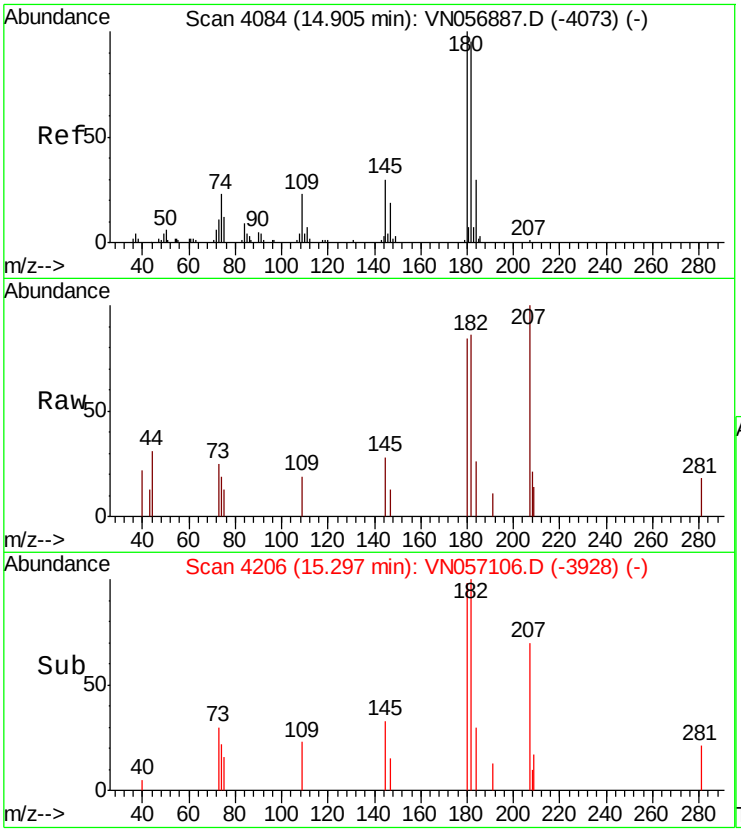


#87
1,2-Dichlorobenzene
Concen: 0.207 ug/l
RT: 13.65 min Scan# 3694
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:146 Resp: 1405

Ion	Ratio	Lower	Upper
146	100		
111	28.5	19.6	58.8
148	60.5	32.5	97.5



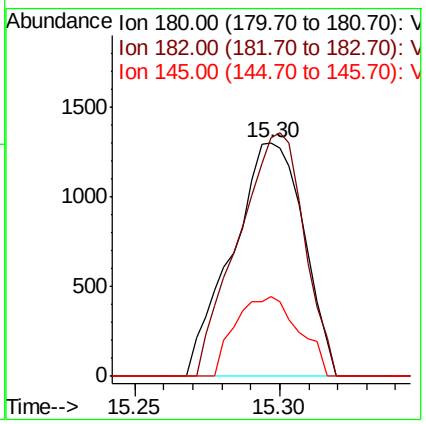


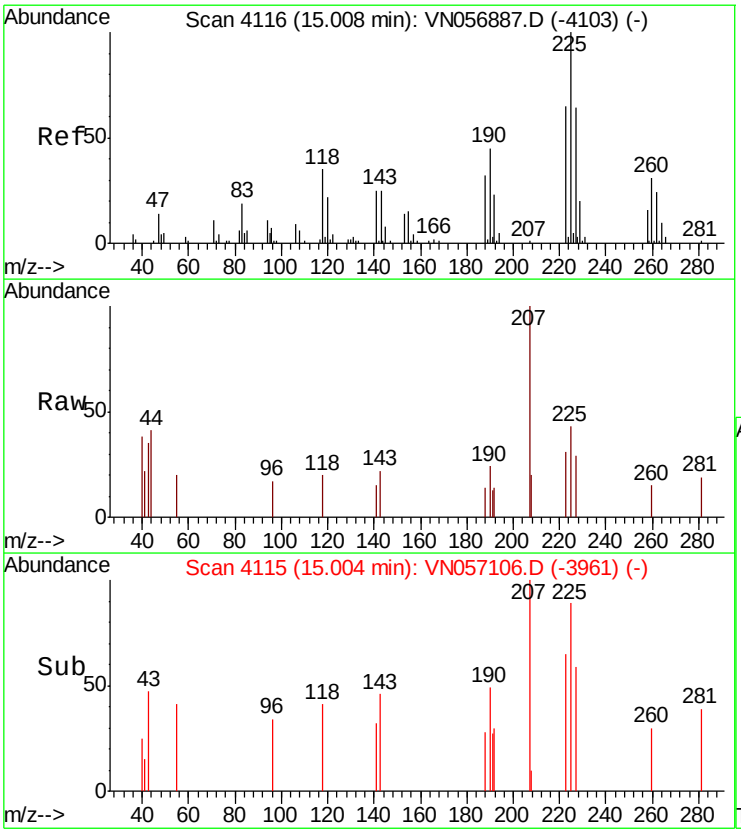
#89
1,2,4-Trichlorobenzene
Concen: 8.482 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.39 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion:180 Resp: 2227

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.0	115.4
145	30.2	23.5	35.3

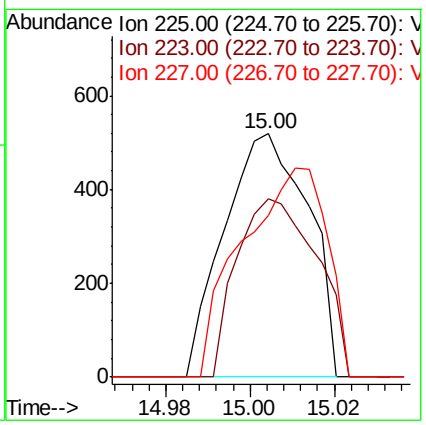


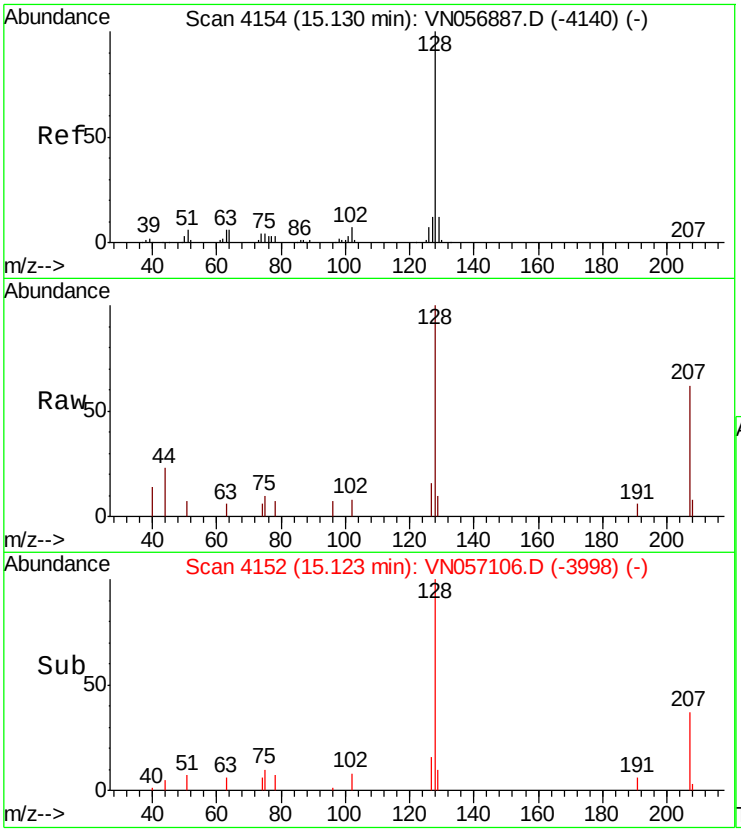


#90
Hexachlorobutadiene
Concen: 0.287 ug/l
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:225 Resp: 717

Ion	Ratio	Lower	Upper
225	100		
223	70.0	0.0	130.0
227	87.0	0.0	127.2



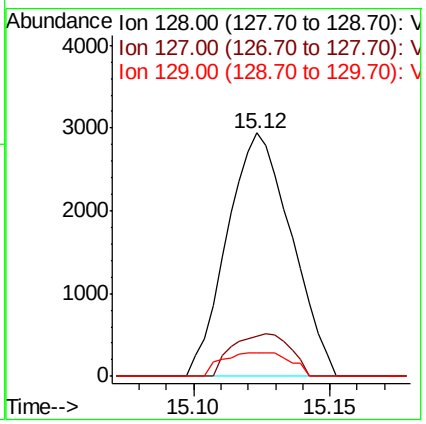


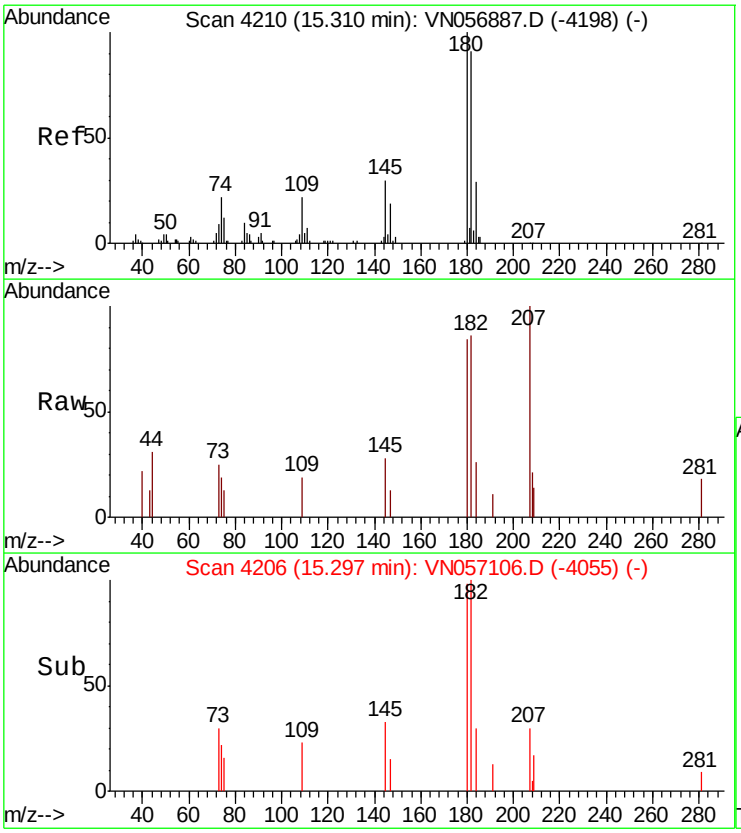
#91
Naphthalene
Concen: 8.091 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
001-WILLETS-PT-BLVD(AUG)

Tgt Ion:128 Resp: 4800

Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.0	15.0#
129	5.8	8.9	13.3#





#92
1,2,3-Trichlorobenzene
Concen: 0.620 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.01 min
Lab File: VN057106.D
Acq: 6 Aug 2019 16:26

Tgt Ion:180 Resp: 2227

Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	188.0
145	30.2	0.0	61.0