Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052220\
Data File : VV016186.D
Acq On : 22 May 2020 21:14
Operator : SY/MD
Sample : L2756-05MS
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETKW8MS

Manual Integrations APPROVED
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5/26/2020 9:35:25 AM

Quant Time: May 25 02:12:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 23 05:08:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	165512	5.00	ug/L		0.02
28) Chlorobenzene-d5	8.88	117	153931	5.00	ug/L		0.00
61) 1,4-Dichlorobenzene-d4	11.28	152	78796	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.31	65	55239	6.15	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 123.00%				
7) Chloroethane-d5	1.58	69	40959	4.81	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 96.20%				
11) 1,1-Dichloroethene-d2	2.14	63	3666268	189.88	ug/L		0.01
Spiked Amount 5.000	Range 60 - 125		Recovery = 3797.60%#				
20) 2-Butanone-d5	4.05	46	50003	19.52	ug/L		0.07
Spiked Amount 50.000	Range 40 - 130		Recovery = 39.04%#				
24) Chloroform-d	4.40	84	99880	5.09	ug/L		0.02
Spiked Amount 5.000	Range 70 - 125		Recovery = 101.80%				
26) 1,2-Dichloroethane-d4	5.08	65	46009	4.09	ug/L		0.02
Spiked Amount 5.000	Range 70 - 130		Recovery = 81.80%				
32) Benzene-d6	5.10	84	191641	5.23	ug/L		0.02
Spiked Amount 5.000	Range 70 - 125		Recovery = 104.60%				
36) 1,2-Dichloropropane-d6	6.11	67	58144	5.20	ug/L		0.02
Spiked Amount 5.000	Range 60 - 140		Recovery = 104.00%				
41) Toluene-d8	7.36	98	204162m	5.90	ug/L		0.03
Spiked Amount 5.000	Range 70 - 130		Recovery = 118.00%				
45) trans-1,3-Dichloropropene-	7.66	79	21421	4.88	ug/L		0.01
Spiked Amount 5.000	Range 55 - 130		Recovery = 97.60%				
48) 2-Hexanone-d5	8.13	63	93184	48.34	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 96.68%				
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37457	4.76	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 95.20%				
65) 1,2-Dichlorobenzene-d4	11.65	152	64829	5.07	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 101.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.14	85	1380	0.109	ug/L		98
3) Chloromethane	1.24	50	1703	0.133	ug/L		95
5) Vinyl chloride	1.32	62	1122917	91.454	ug/L		100
8) Chloroethane	1.60	64	18380	2.101	ug/L		92
9) Trichlorofluoromethane	1.77	101	41668	2.474	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	435987	45.830	ug/L		98
12) 1,1-Dichloroethene	2.14	96	6213821	682.211	ug/L	#	58
14) Carbon disulfide	2.32	76	31243	1.039	ug/L		99
16) Methylene chloride	2.52	84	13287605	1219.173	ug/L		98
18) trans-1,2-Dichloroethene	2.79	96	1028720	102.198	ug/L		99
19) 1,1-Dichloroethane	3.23	63	21241000	1095.590	ug/L		94
22) cis-1,2-Dichloroethene	3.94	96	74293374m	7050.549	ug/L		
25) Chloroform	4.42	83	99447	4.658	ug/L		100
29) 1,1,1-Trichloroethane	4.66	97	50929301m	3000.260	ug/L		
30) Cyclohexane	4.75	56	1391413	81.797	ug/L		92
33) Benzene	5.14	78	7681656	198.348	ug/L		100
34) Trichloroethene	5.95	95	2501290	226.282	ug/L		95

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ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 25 02:12:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 23 05:08:14 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Methylcyclohexane	6.17	83	1778662	106.374	ug/L		99
40) 4-Methyl-2-pentanone	7.30	43	2780675	453.418	ug/L		97
42) Toluene	7.41	91	51665781m	1258.583	ug/L		
47) 1,1,2-Trichloroethane	7.87	97	60369	9.188	ug/L		96
49) Tetrachloroethene	8.01	164	219909	28.512	ug/L		99
50) 2-Hexanone	8.18	43	130392	30.066	ug/L	#	89
53) Chlorobenzene	8.91	112	180250	6.827	ug/L		99
54) Ethylbenzene	9.04	91	24588211m	526.753	ug/L		
55) m,p-xylene	9.19	106	24454413m	1414.863	ug/L		
56) o-xylene	9.59	106	11846290	716.896	ug/L	#	47
57) Styrene	9.60	104	5579361	201.862	ug/L		83
58) Isopropylbenzene	9.96	105	1065884	23.479	ug/L		99
63) 1,3-Dichlorobenzene	11.21	146	10095	0.476	ug/L		89
64) 1,4-Dichlorobenzene	11.30	146	96241	4.512	ug/L		98
66) 1,2-Dichlorobenzene	11.67	146	563125	29.309	ug/L		96

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

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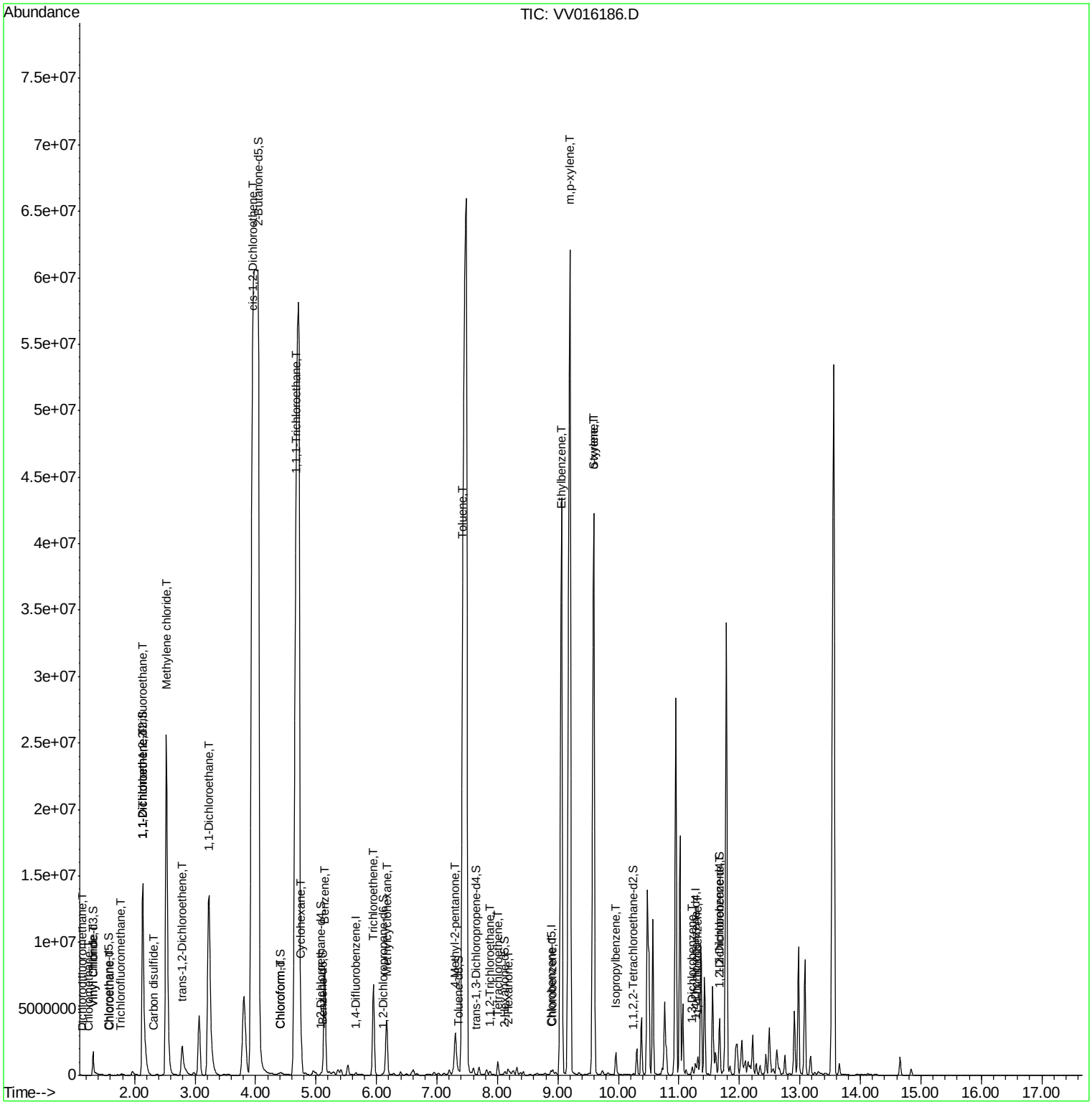
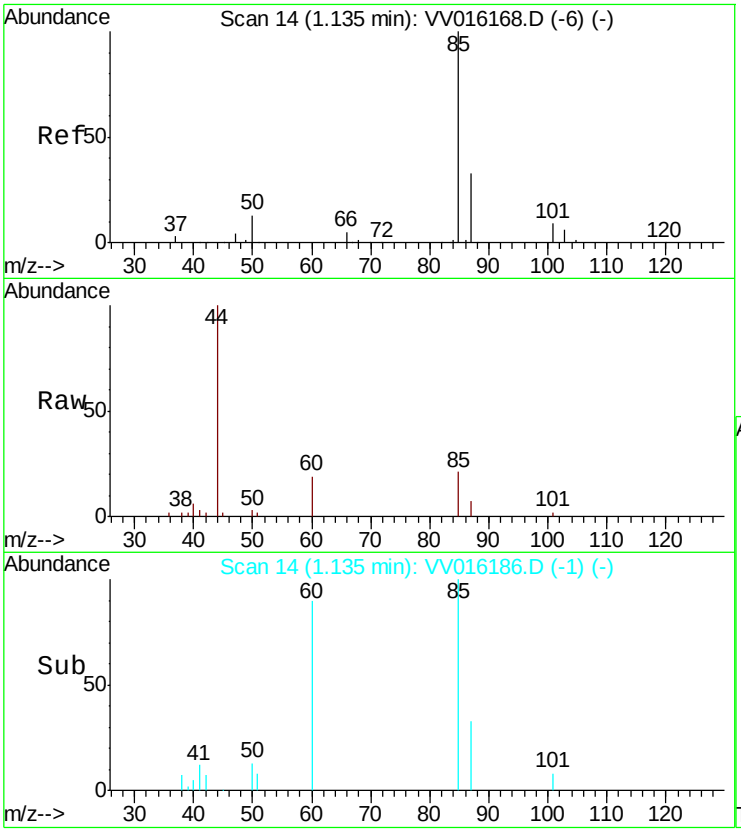
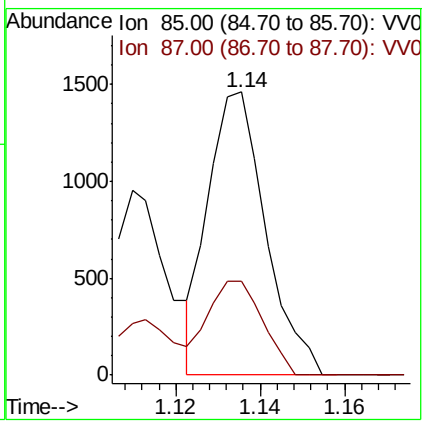




#2
Dichlorodifluoromethane
Concen: 0.109 ug/L
RT: 1.14 min Scan# 14
Delta R.T. 0.00 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 85 Resp: 1380

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.4	39.6



Instrument :
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ClientSampleId :
ETKW8MS

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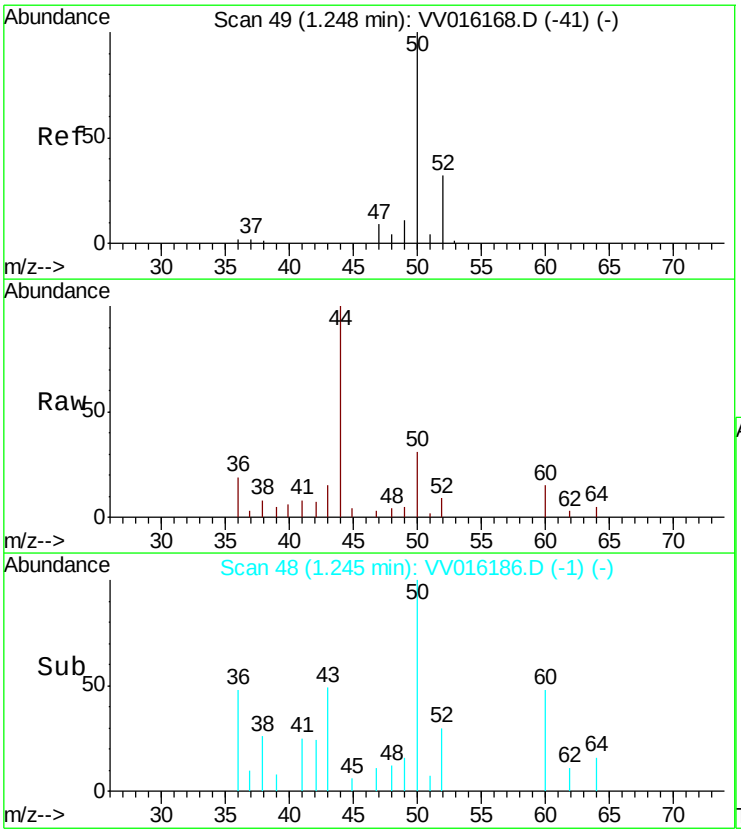
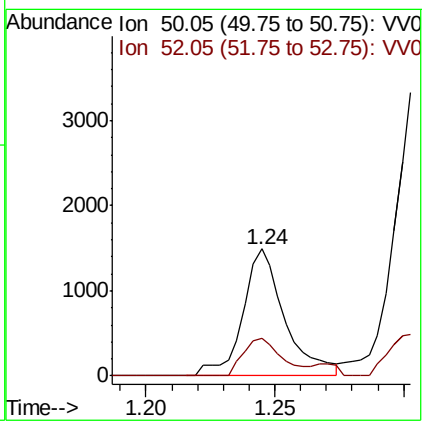
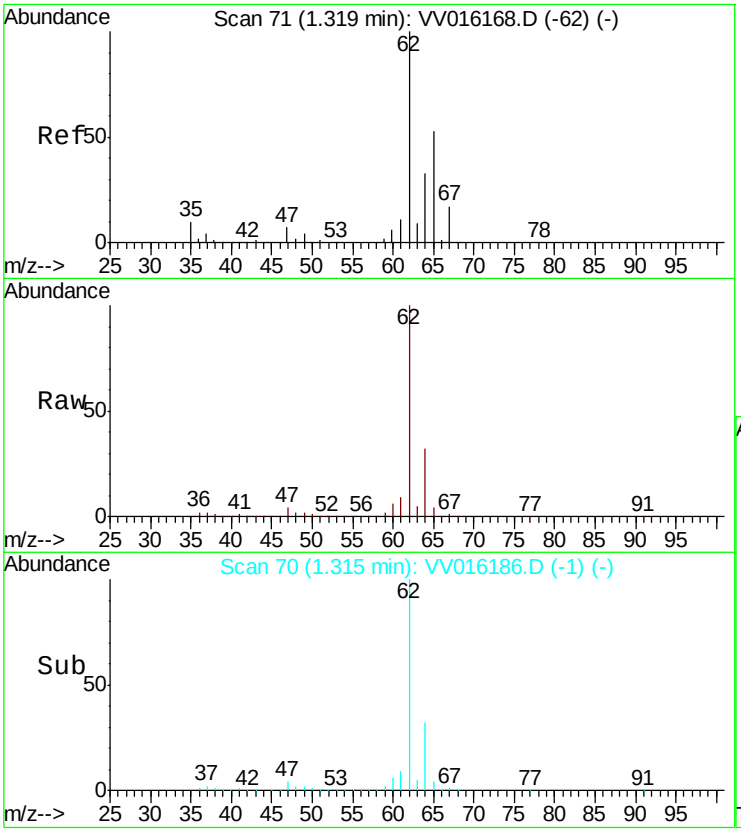


#3
Chloromethane
Concen: 0.133 ug/L
RT: 1.24 min Scan# 48
Delta R.T. -0.00 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 50 Resp: 1703

Ion	Ratio	Lower	Upper
50	100		
52	29.6	22.8	42.4

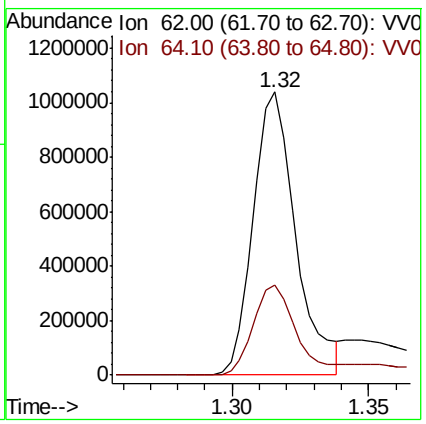




#5
Vinyl chloride
Concen: 91.454 ug/L
RT: 1.32 min Scan# 70
Delta R.T. -0.00 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 62 Resp: 1122917

Ion	Ratio	Lower	Upper
62	100		
64	31.9	22.4	41.6



Instrument :
MSVOA_V
ClientSampleId :
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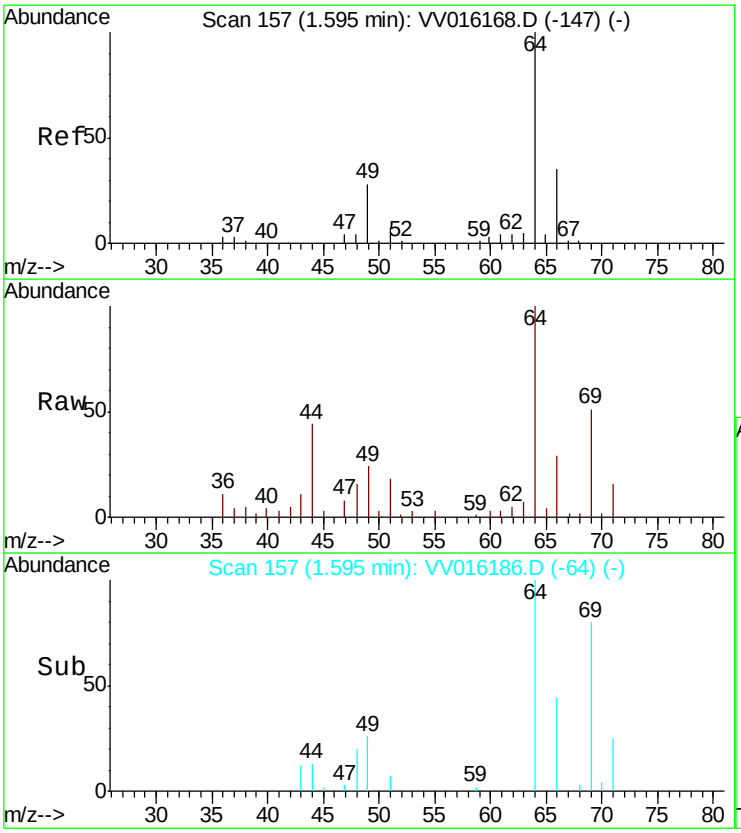
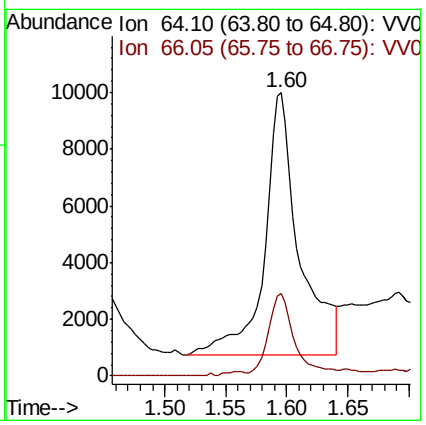
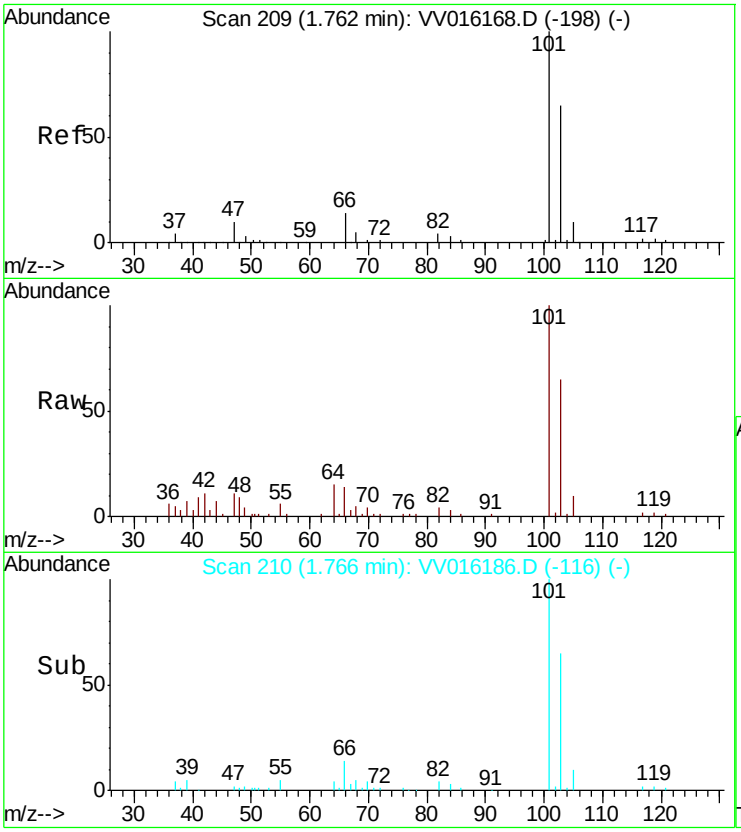


#8
Chloroethane
Concen: 2.101 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 64 Resp: 18380

Ion	Ratio	Lower	Upper
64	100		
66	29.1	23.6	43.8





#9
Trichlorofluoromethane
Concen: 2.474 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:101 Resp: 41668

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.2

Instrument :
MSVOA_V
ClientSampleId :
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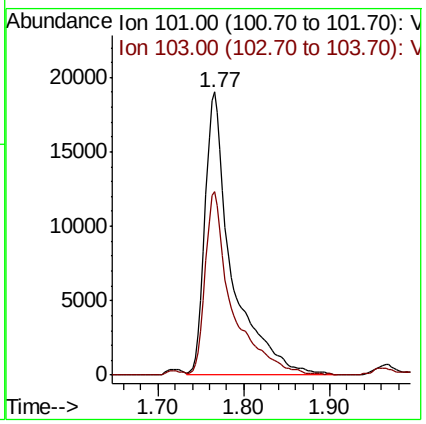
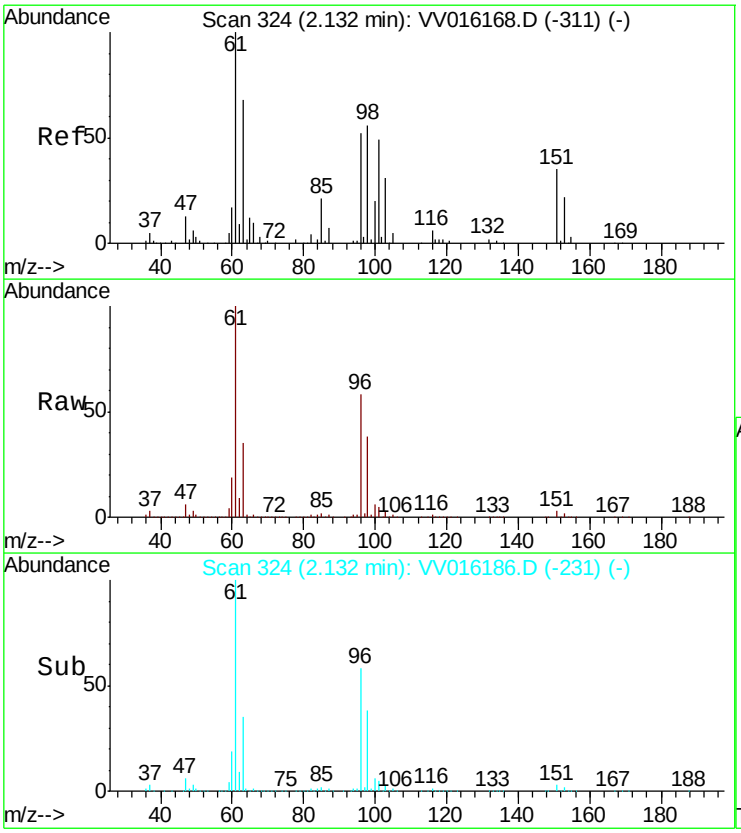
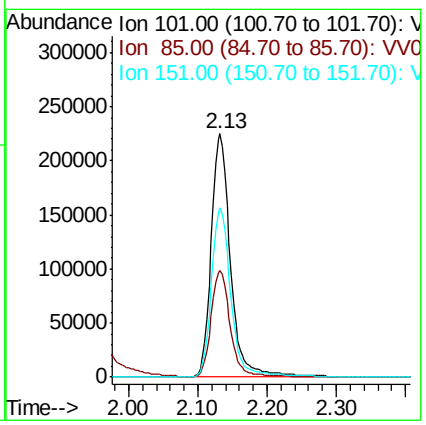


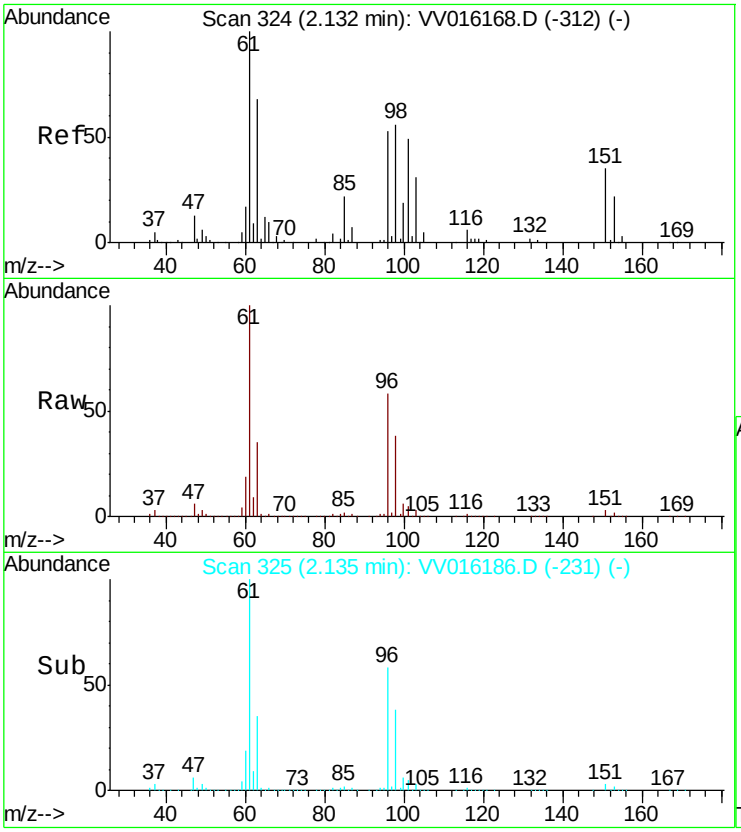


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.830 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:101 Resp: 435987

Ion	Ratio	Lower	Upper
101	100		
85	43.1	35.7	53.5
151	70.6	58.0	87.0

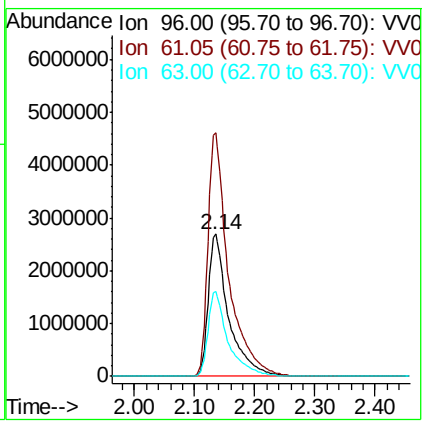




#12
1,1-Dichloroethene
Concen: 682.211 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 96 Resp: 6213821

Ion	Ratio	Lower	Upper
96	100		
61	171.6	139.9	259.7
63	59.8	106.4	197.6#



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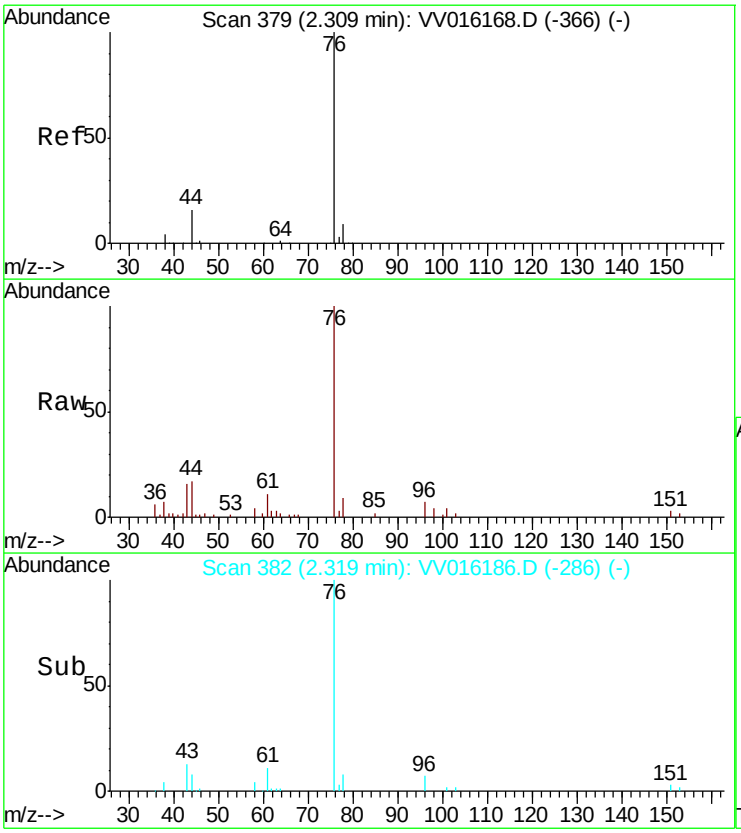
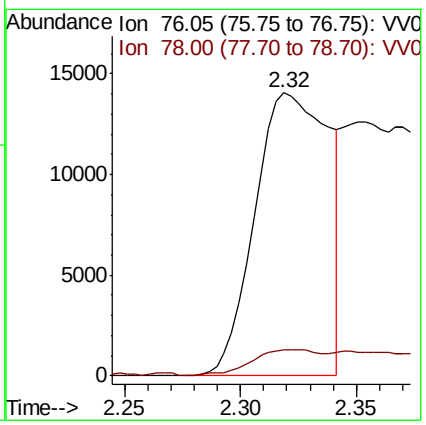
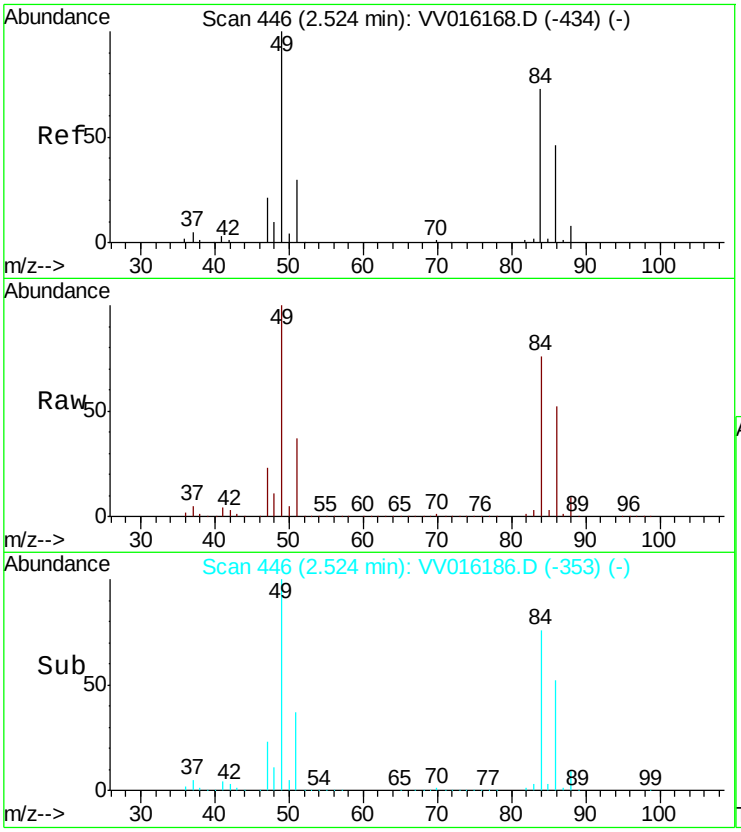


#14
Carbon disulfide
Concen: 1.039 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 76 Resp: 31243

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

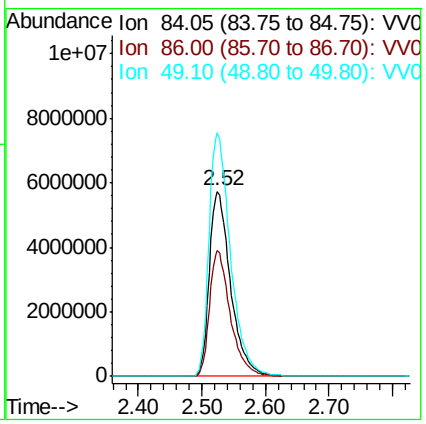




#16
Methylene chloride
Concen: 1219.173 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 84 Resp:13287605

Ion	Ratio	Lower	Upper
84	100		
86	67.9	45.6	84.8
49	131.6	93.6	173.8



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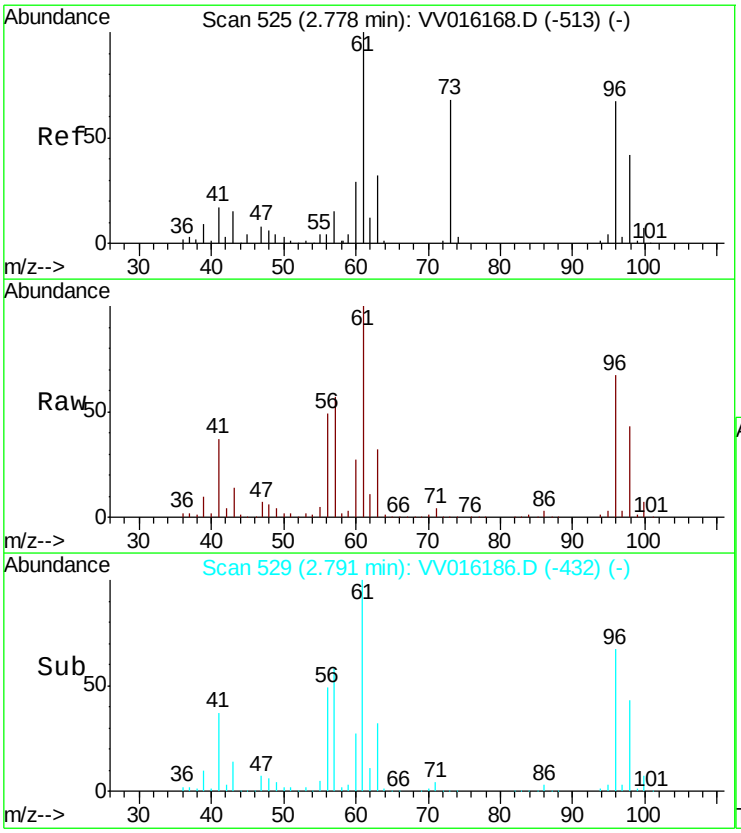
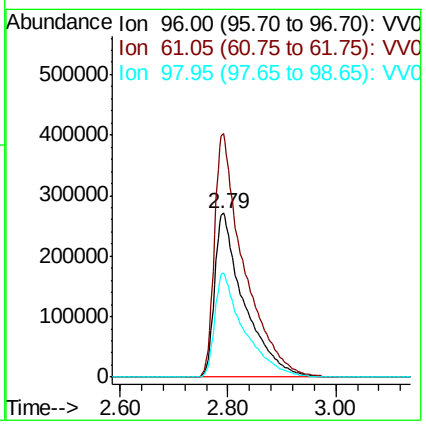
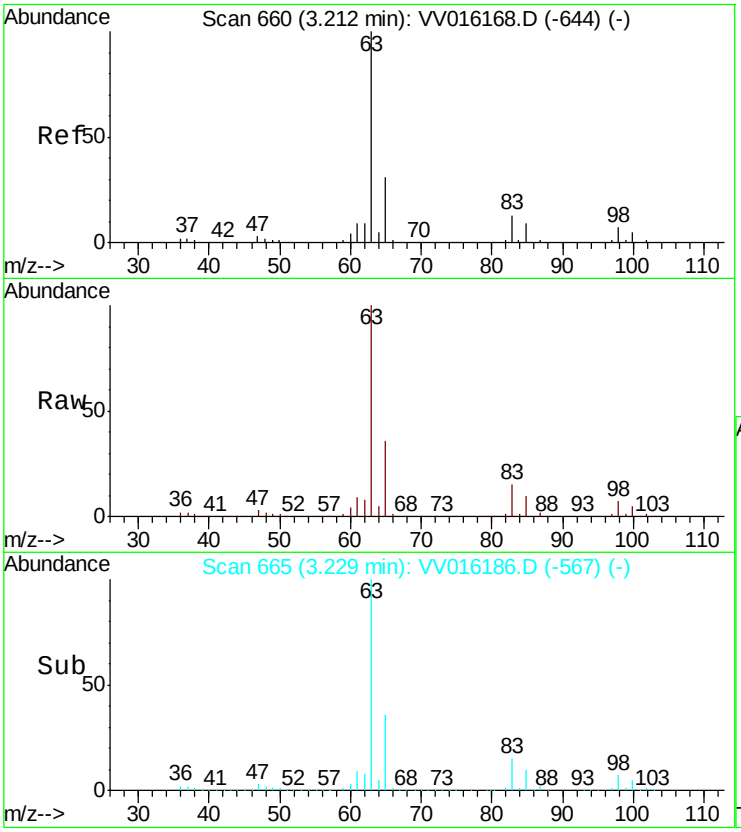


#18
trans-1,2-Dichloroethene
Concen: 102.198 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 96 Resp: 1028720

Ion	Ratio	Lower	Upper
96	100		
61	148.7	105.3	195.5
98	63.2	44.0	81.6

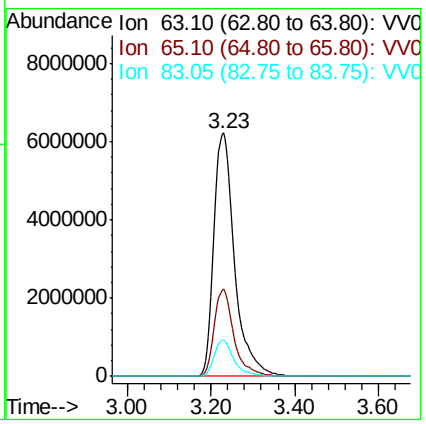




#19
1,1-Dichloroethane
Concen: 1095.590 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.02 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 63 Resp:21241000

Ion	Ratio	Lower	Upper
63	100		
65	35.8	22.0	41.0
83	14.8	9.8	18.2



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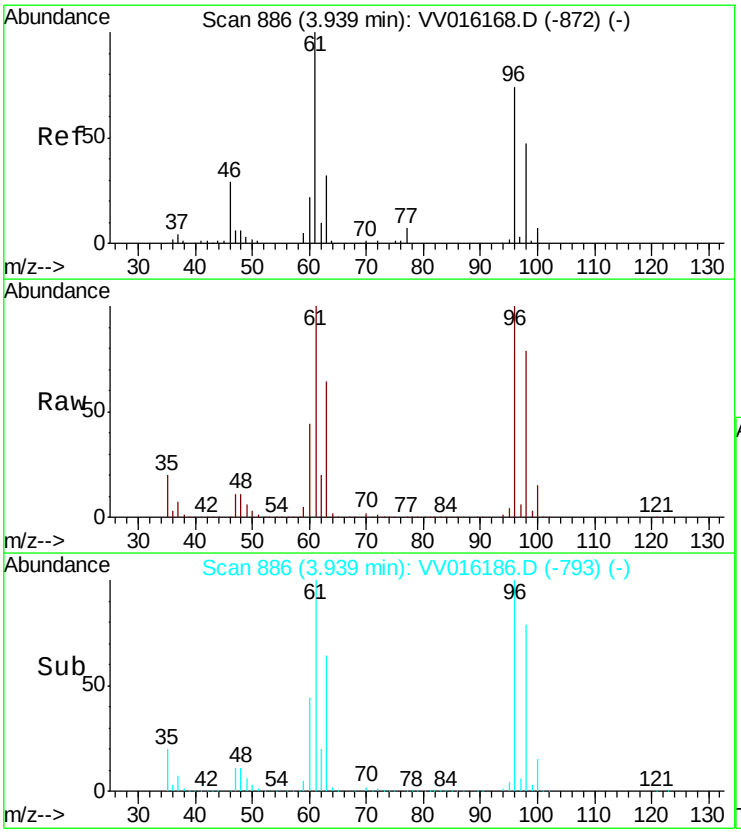
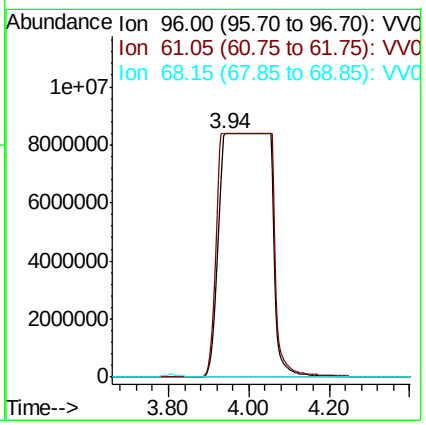
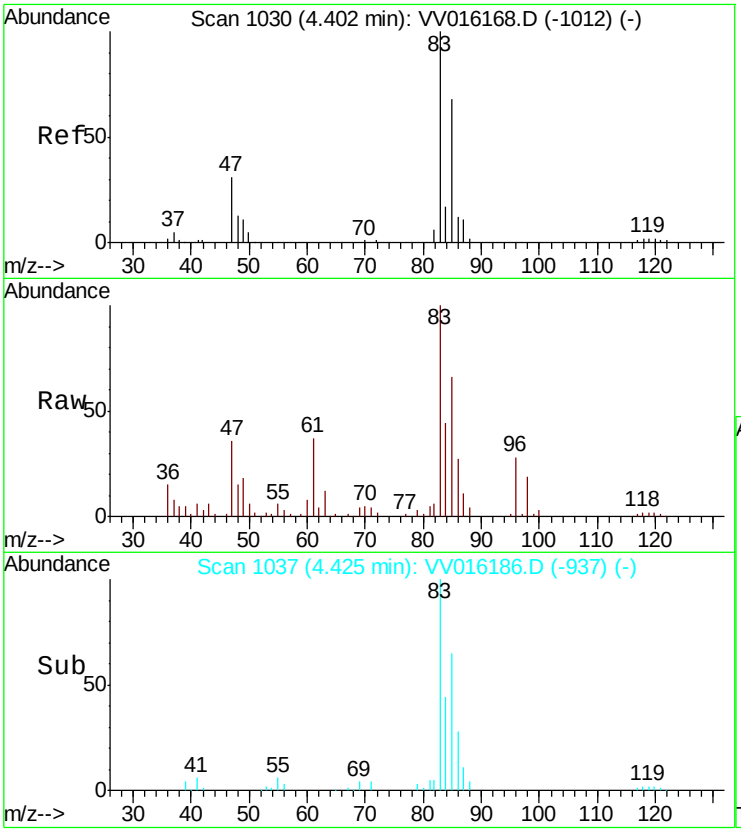


#22
cis-1,2-Dichloroethene
Concen: 7050.549 ug/L m
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 96 Resp:74293374

Ion	Ratio	Lower	Upper
96	100		
61	100.0	97.2	180.6
68	0.0	0.0	0.0#

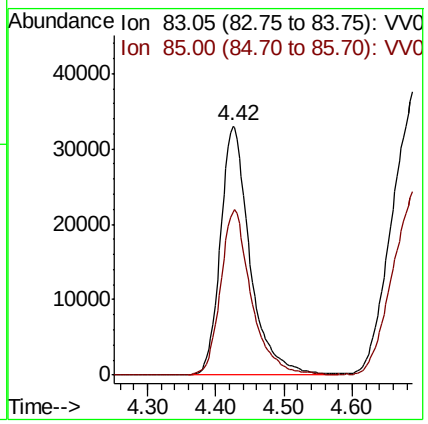




#25
Chloroform
Concen: 4.658 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.02 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 83 Resp: 99447

Ion	Ratio	Lower	Upper
83	100		
85	65.5	45.7	84.9



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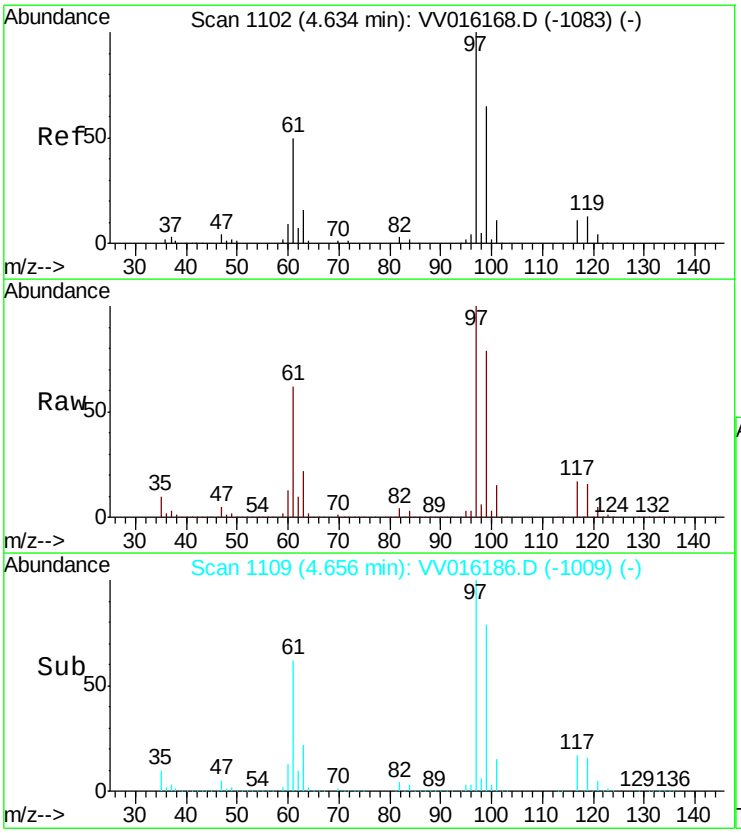
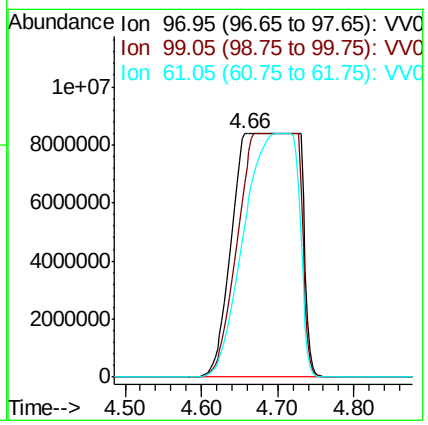
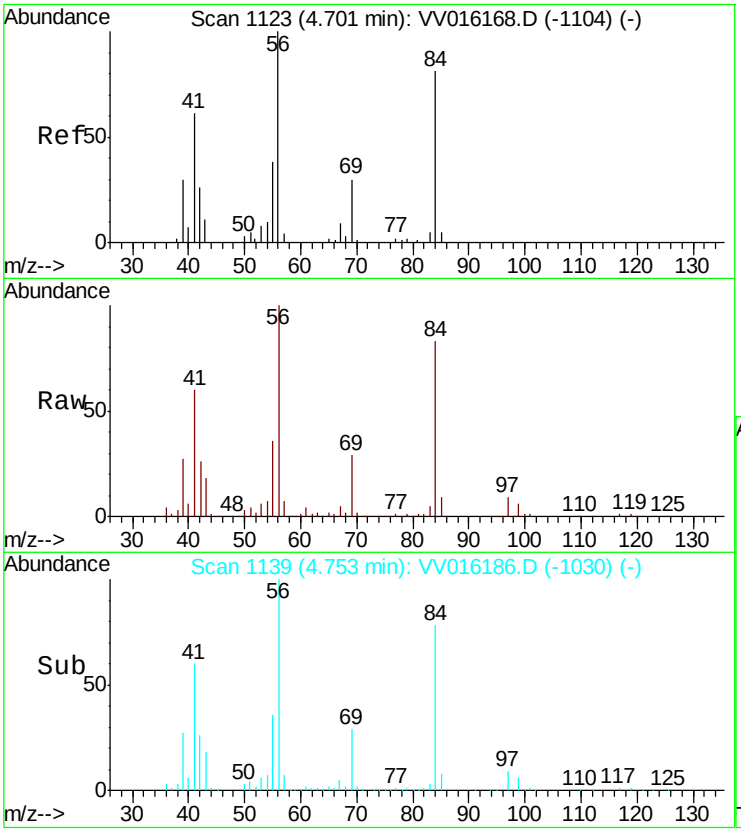


#29
1,1,1-Trichloroethane
Concen: 3000.260 ug/L m
RT: 4.66 min Scan# 1109
Delta R.T. 0.02 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 97 Resp:50929301

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.7	76.1#
61	0.0	38.8	58.2#

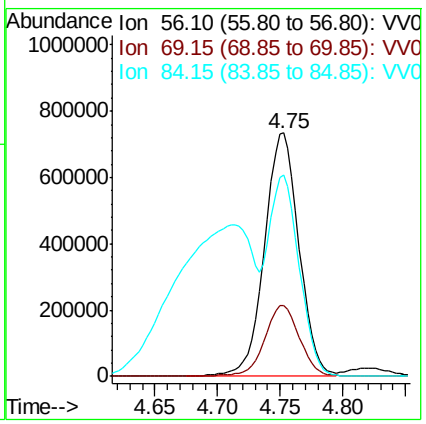




#30
Cyclohexane
Concen: 81.797 ug/L
RT: 4.75 min Scan# 1139
Delta R.T. 0.05 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 56 Resp: 1391413

Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.2	36.2
84	76.0	68.3	102.5



Instrument :
MSVOA_V
ClientSampleId :
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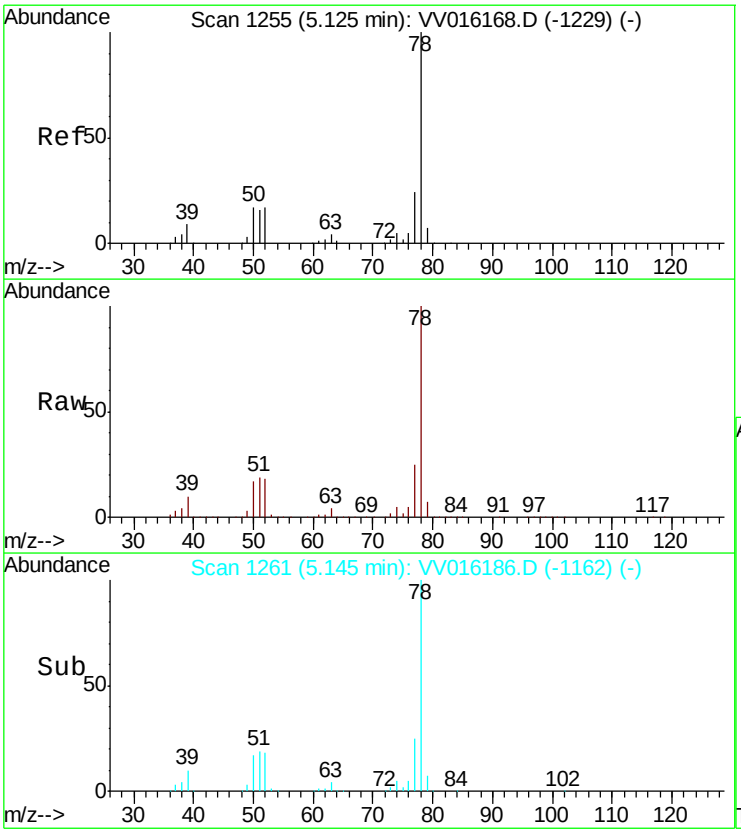
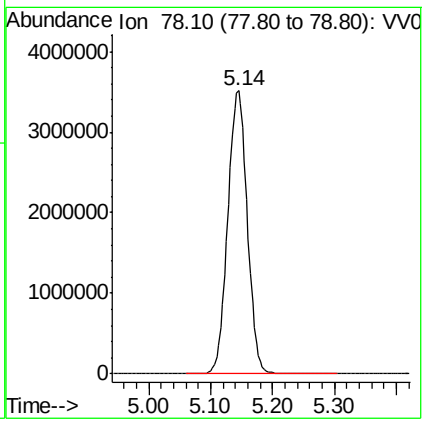
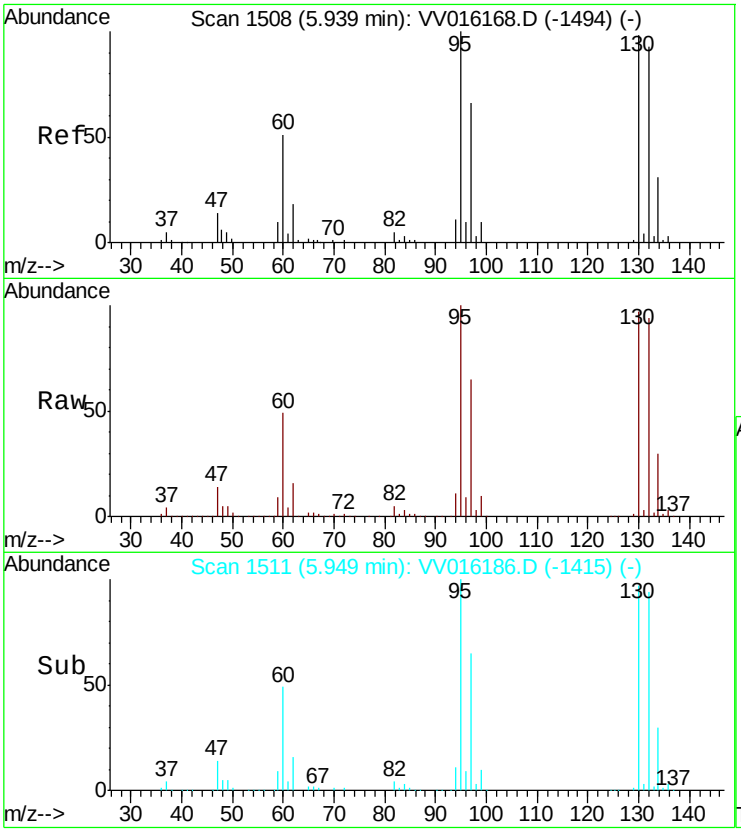


#33
Benzene
Concen: 198.348 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.02 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 78 Resp: 7681656

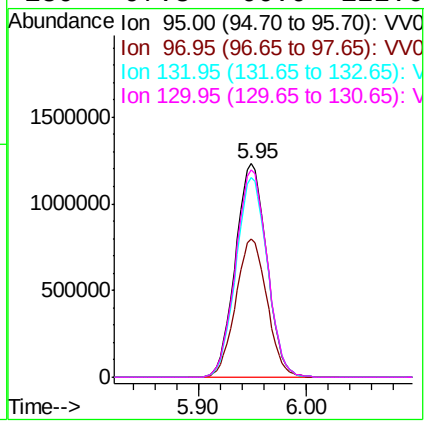




#34
Trichloroethene
Concen: 226.282 ug/L
RT: 5.95 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 95 Resp: 2501290

Ion	Ratio	Lower	Upper
95	100		
97	64.7	43.3	80.5
132	93.7	60.3	112.1
130	97.3	66.0	122.6



Instrument :
MSVOA_V
ClientSampleId :
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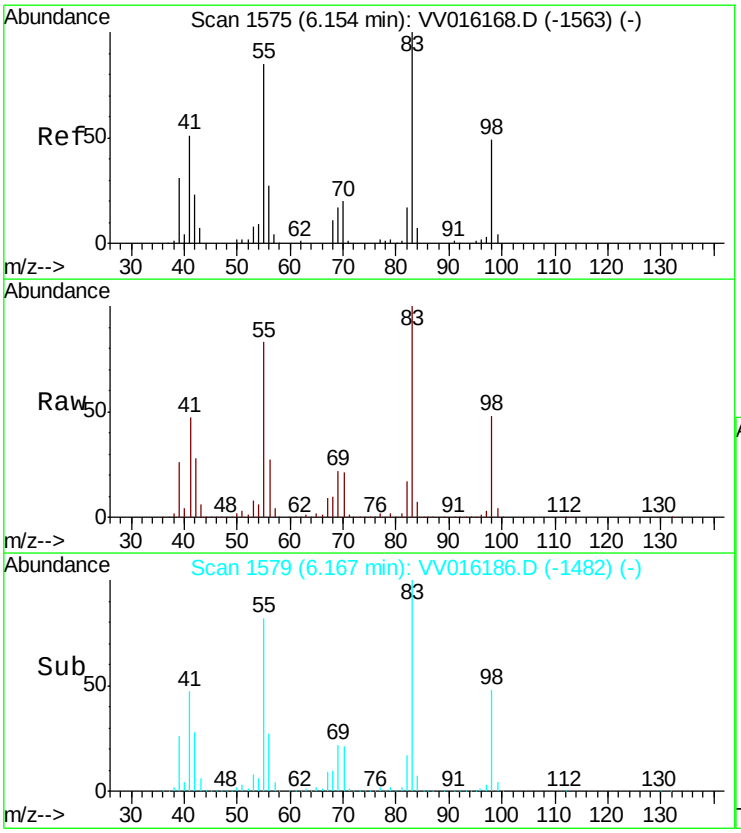
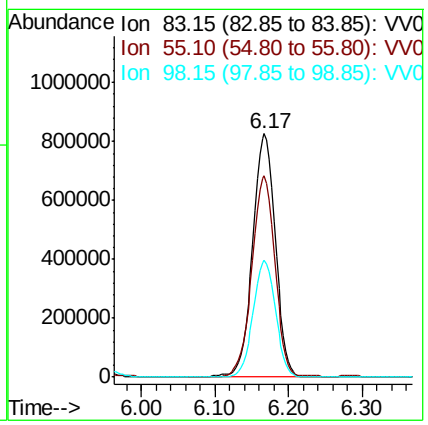
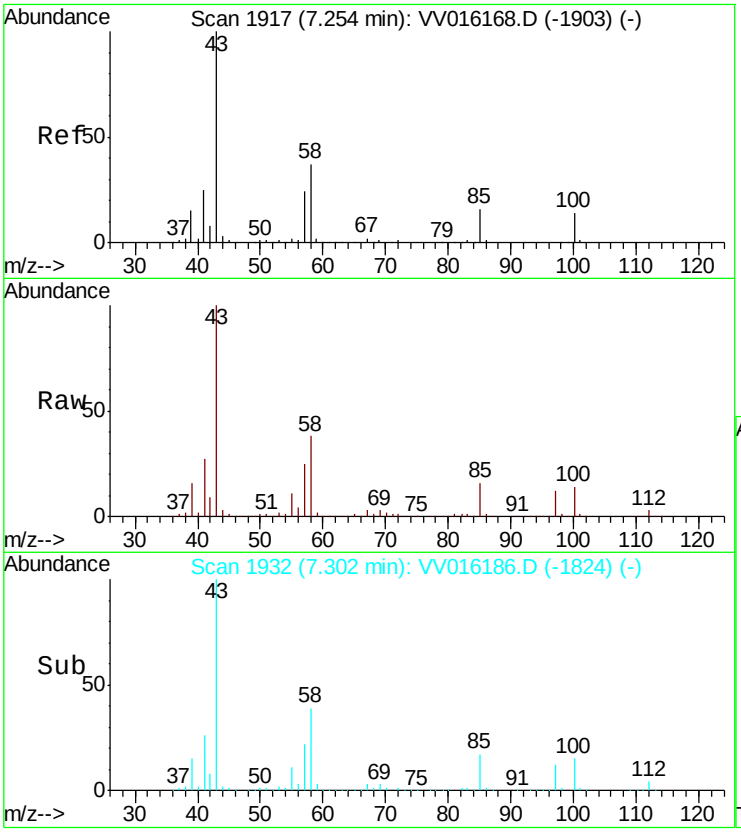


#35
Methylcyclohexane
Concen: 106.374 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 83 Resp: 1778662

Ion	Ratio	Lower	Upper
83	100		
55	84.0	66.2	99.2
98	47.4	37.9	56.9

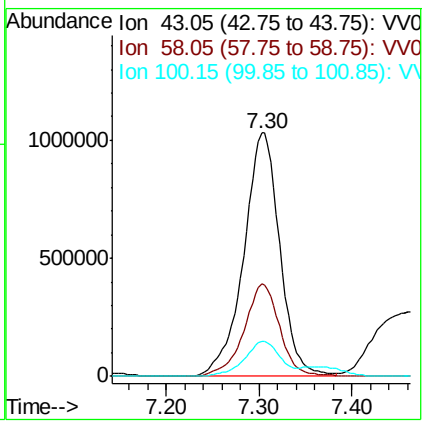




#40
4-Methyl-2-pentanone
Concen: 453.418 ug/L
RT: 7.30 min Scan# 1932
Delta R.T. 0.05 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 43 Resp: 2780675

Ion	Ratio	Lower	Upper
43	100		
58	37.9	29.0	43.4
100	14.5	10.9	16.3



Instrument :
MSVOA_V
ClientSampleId :
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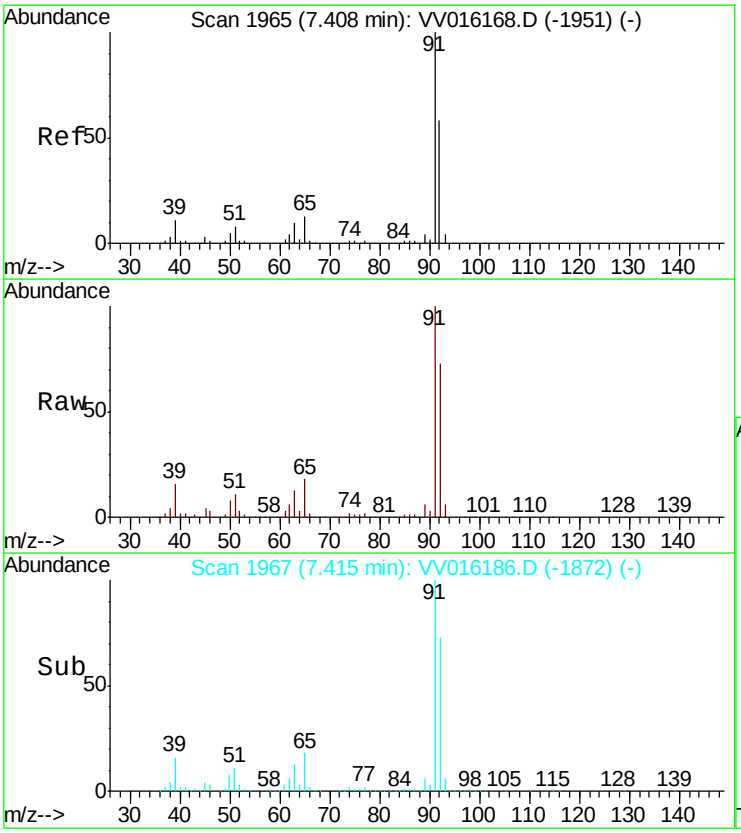
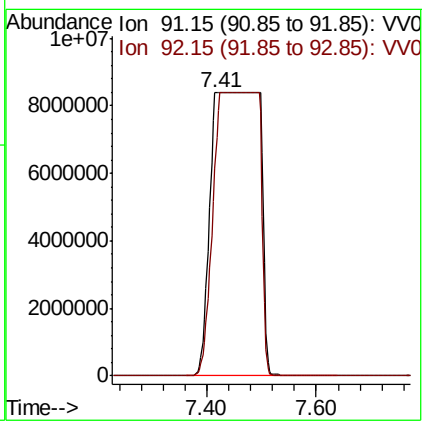
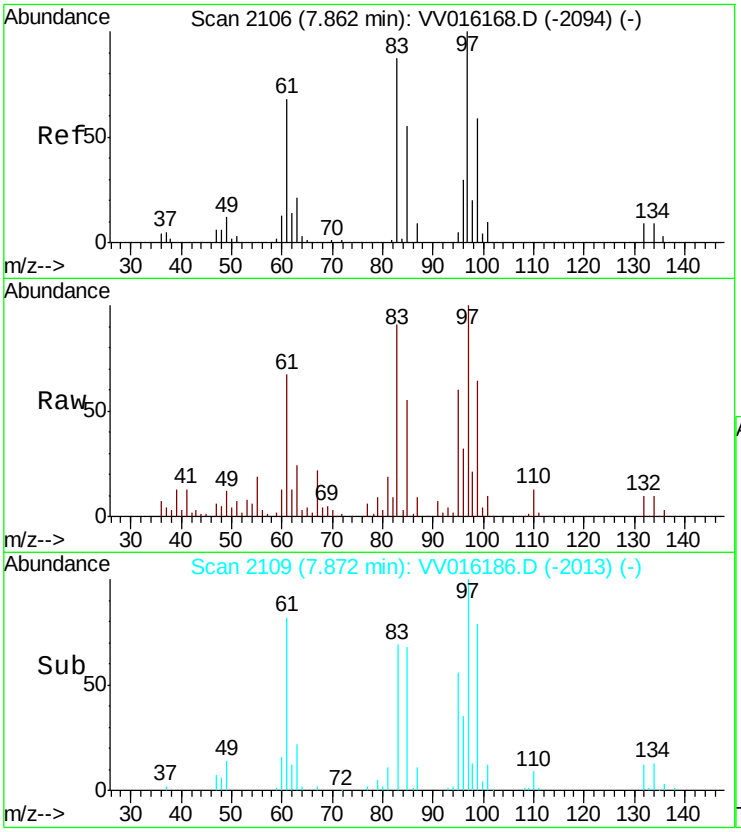


#42
Toluene
Concen: 1258.583 ug/L m
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 91 Resp:51665781

Ion	Ratio	Lower	Upper
91	100		
92	73.4	40.1	74.5

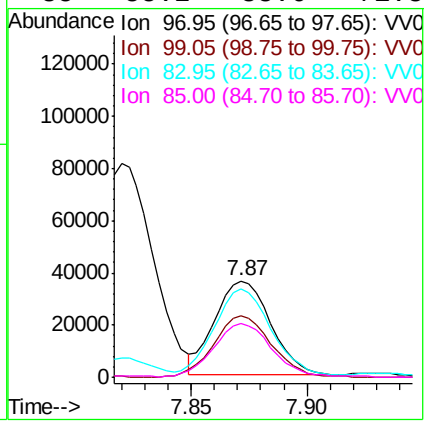




#47
1,1,2-Trichloroethane
Concen: 9.188 ug/L
RT: 7.87 min Scan# 2109
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 97 Resp: 60369

Ion	Ratio	Lower	Upper
97	100		
99	63.8	42.1	78.1
83	91.0	59.2	110.0
85	55.2	38.6	71.8



Instrument :
MSVOA_V
ClientSampleId :
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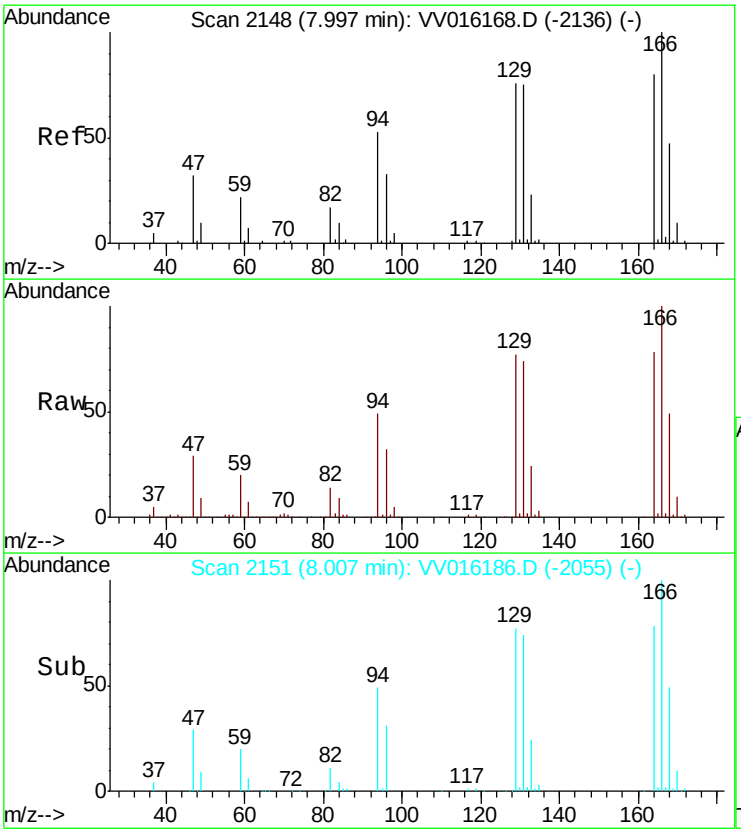
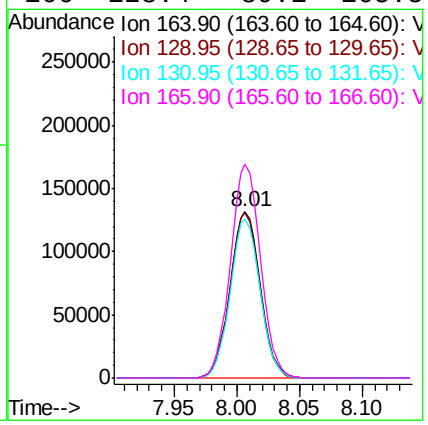
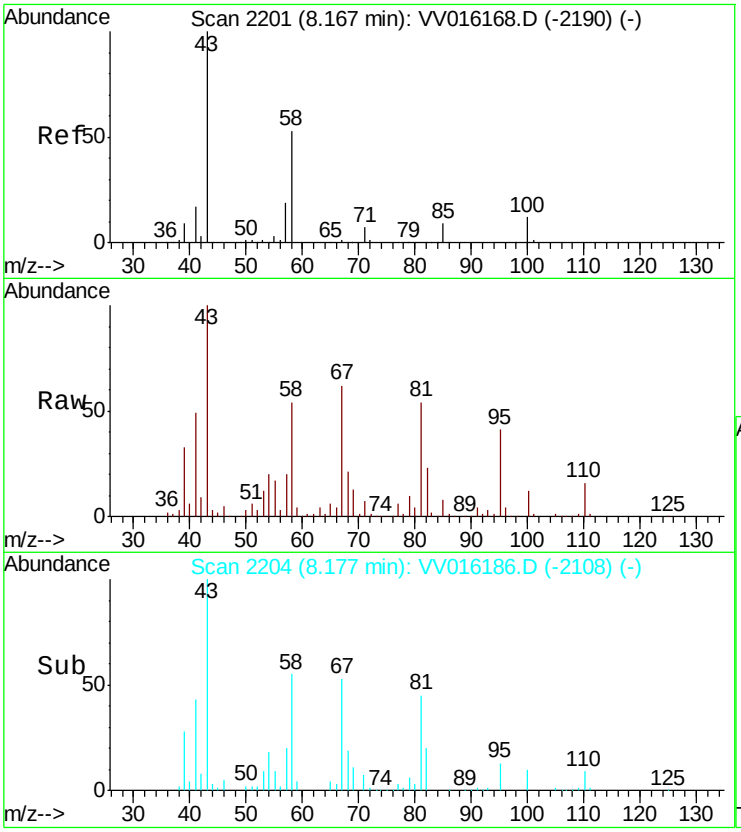


#49
Tetrachloroethene
Concen: 28.512 ug/L
RT: 8.01 min Scan# 2151
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:164 Resp: 219909

Ion	Ratio	Lower	Upper
164	100		
129	99.1	69.7	129.4
131	95.6	66.8	124.2
166	128.4	89.1	165.5

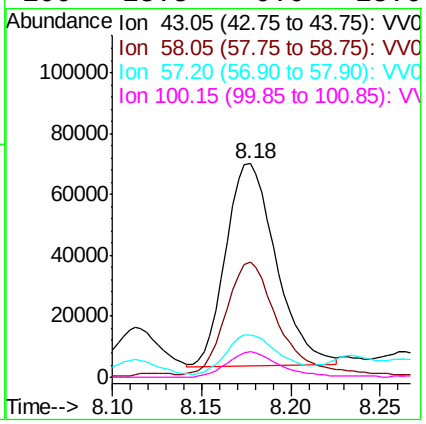




#50
2-Hexanone
Concen: 30.066 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 43 Resp: 130392

Ion	Ratio	Lower	Upper
43	100		
58	61.3	40.8	61.2#
57	20.4	14.7	22.1
100	13.3	9.0	13.6



Instrument :
MSVOA_V
ClientSampleId :
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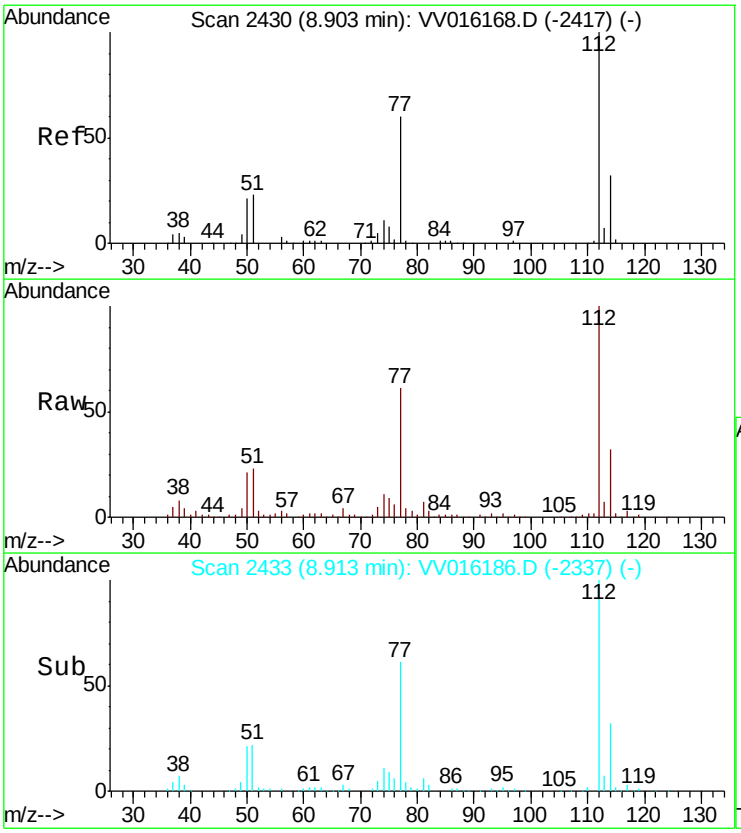
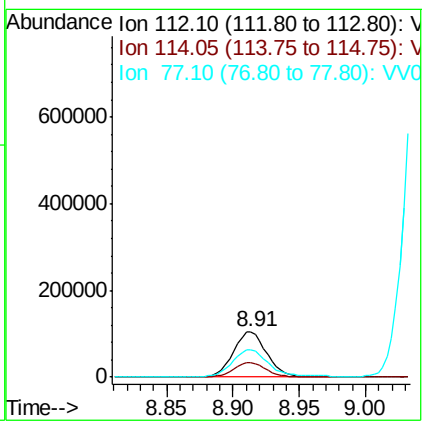
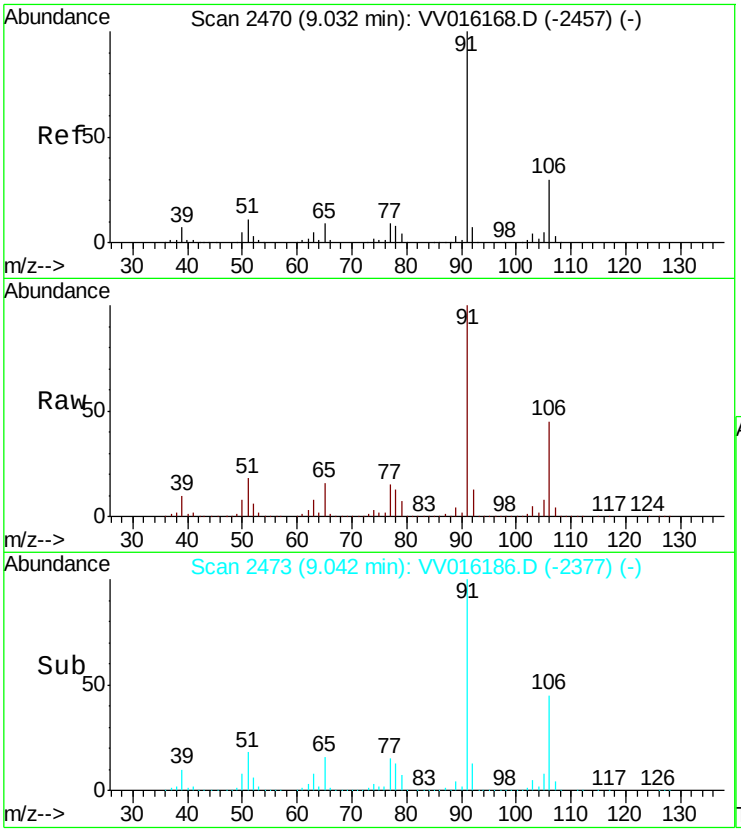


#53
Chlorobenzene
Concen: 6.827 ug/L
RT: 8.91 min Scan# 2433
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:112 Resp: 180250

Ion	Ratio	Lower	Upper
112	100		
114	31.8	21.6	40.0
77	61.4	48.6	73.0

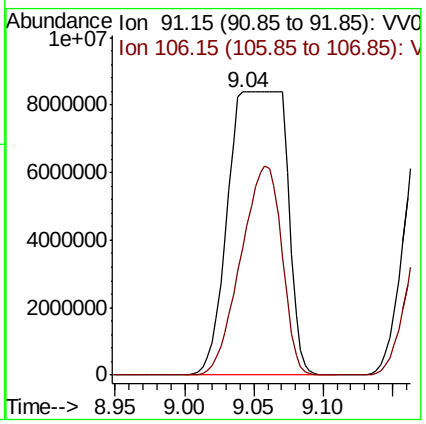




#54
Ethylbenzene
Concen: 526.753 ug/L m
RT: 9.04 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion: 91 Resp:24588211

Ion	Ratio	Lower	Upper
91	100		
106	44.7	20.6	38.4#



Instrument :
MSVOA_V
ClientSampleId :
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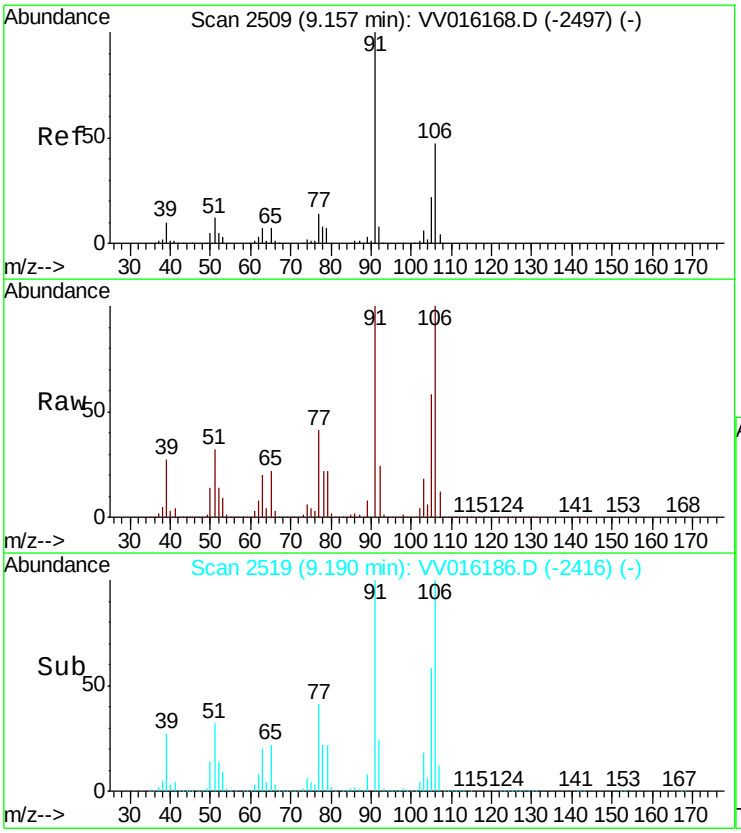
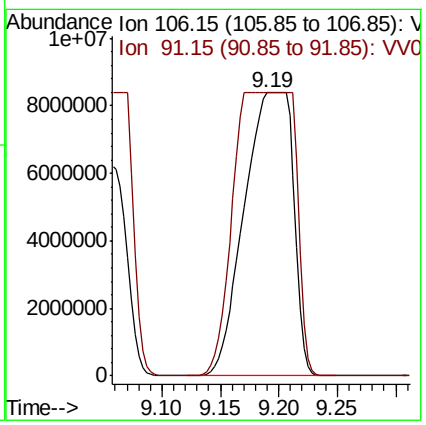
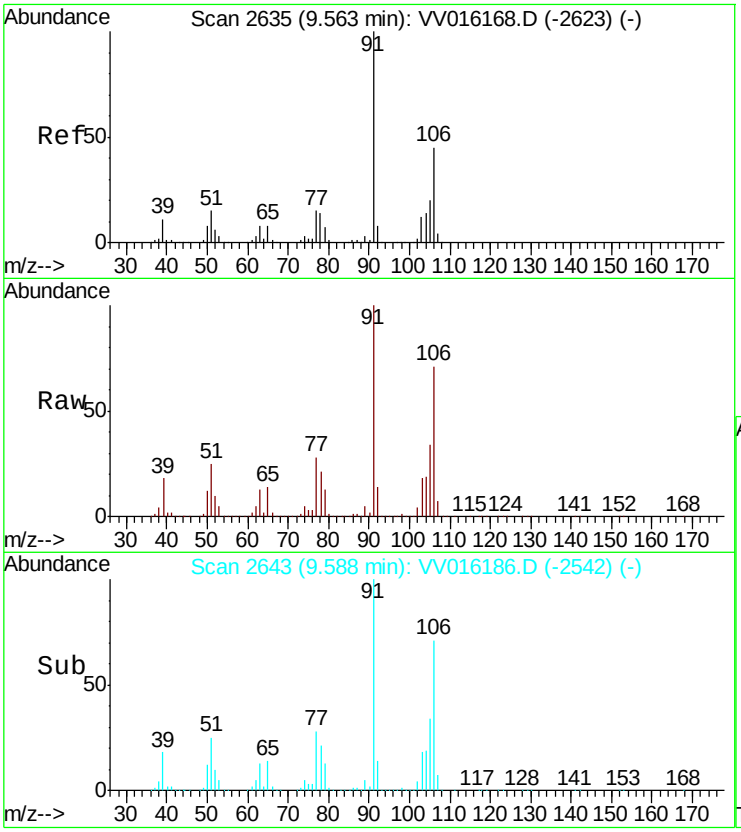


#55
m,p-xylene
Concen: 1414.863 ug/L m
RT: 9.19 min Scan# 2519
Delta R.T. 0.03 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:106 Resp:24454413

Ion	Ratio	Lower	Upper
106	100		
91	100.0	149.9	278.3#

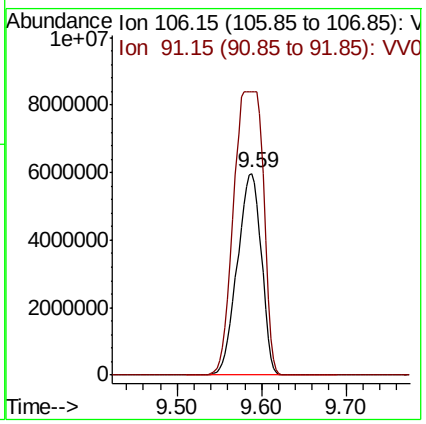




#56
o-xylene
Concen: 716.896 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.03 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:106 Resp:11846290

Ion	Ratio	Lower	Upper
106	100		
91	140.1	159.7	296.5#



Instrument :
MSVOA_V
ClientSampleId :
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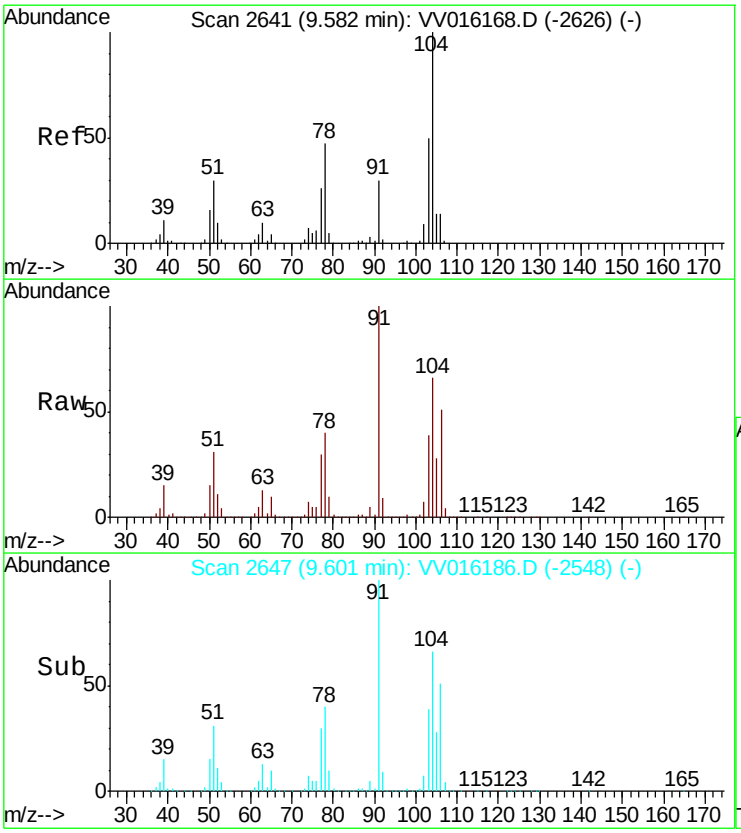
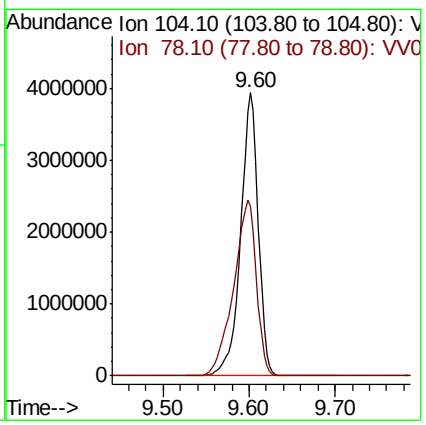
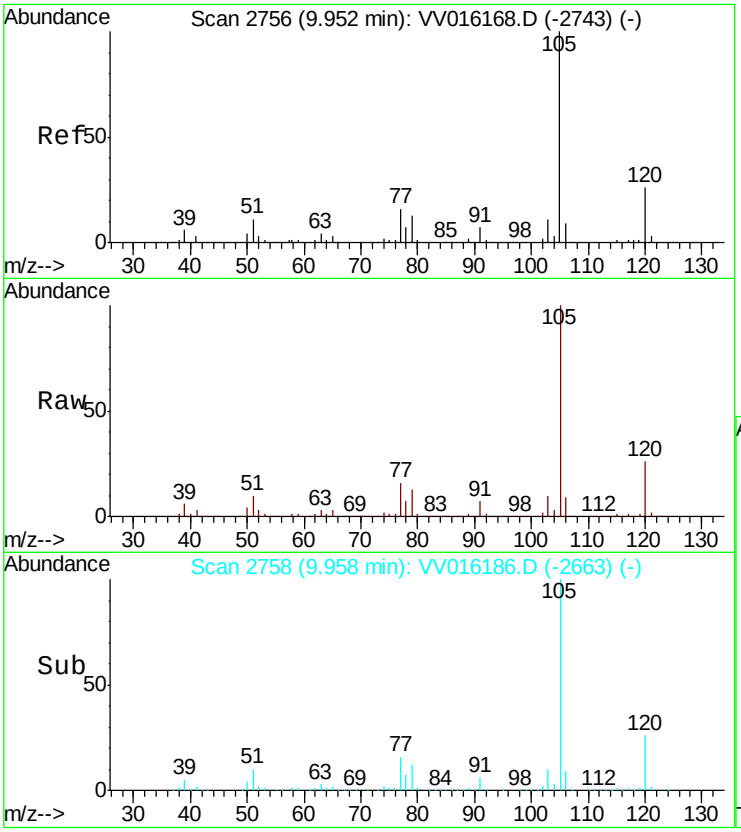


#57
Styrene
Concen: 201.862 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.02 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:104 Resp: 5579361

Ion	Ratio	Lower	Upper
104	100		
78	59.9	33.9	63.0

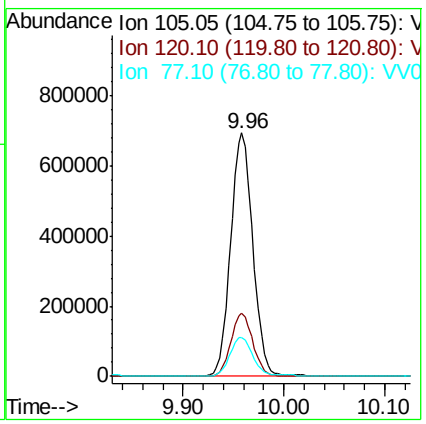




#58
Isopropylbenzene
Concen: 23.479 ug/L
RT: 9.96 min Scan# 2758
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:105 Resp: 1065884

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.8	31.2
77	17.0	14.1	21.1



Instrument :
MSVOA_V
ClientSampleId :
ETKW8MS

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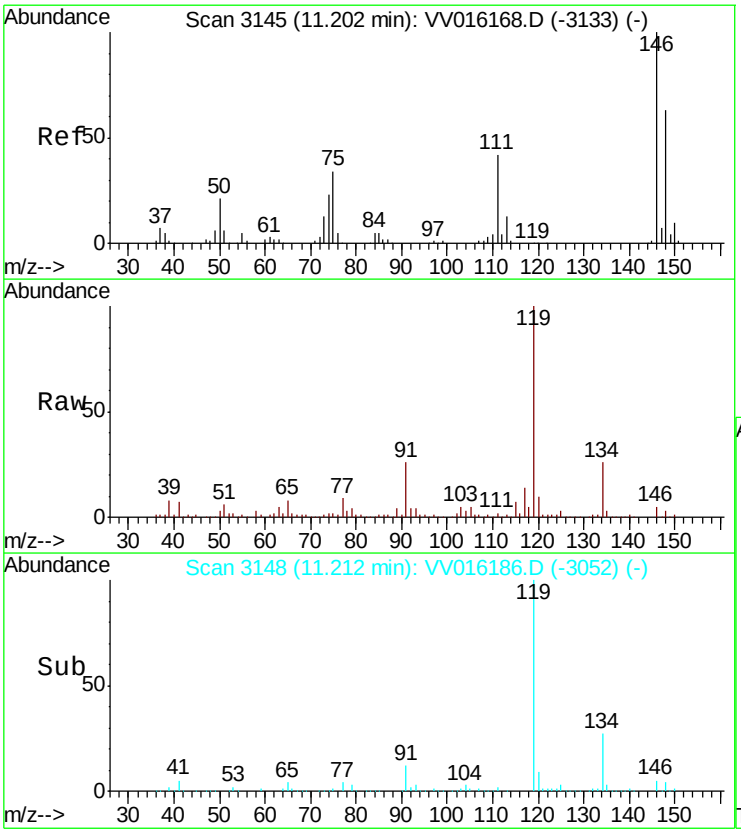
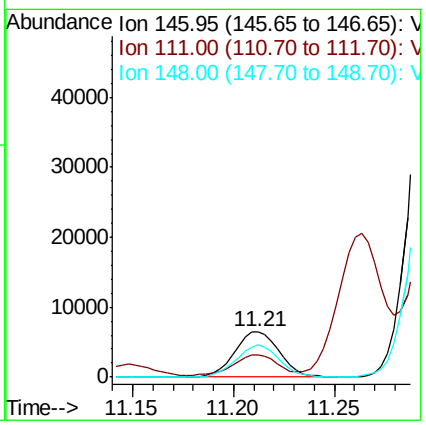
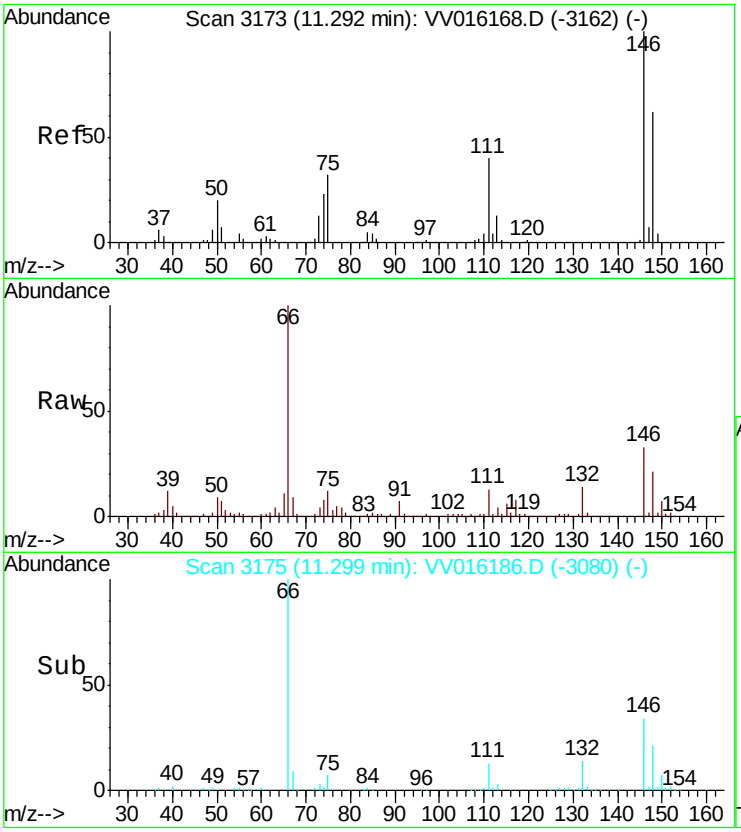


#63
1,3-Dichlorobenzene
Concen: 0.476 ug/L
RT: 11.21 min Scan# 3148
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:146 Resp: 10095

Ion	Ratio	Lower	Upper
146	100		
111	49.5	28.7	53.3
148	69.8	44.0	81.8

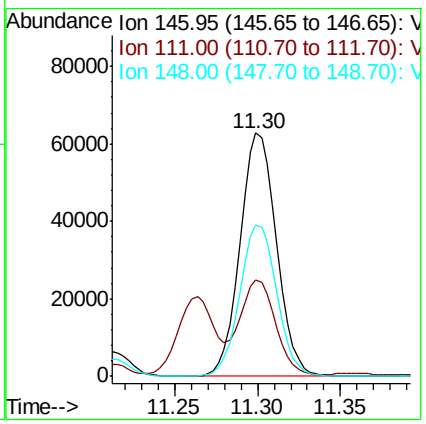




#64
1,4-Dichlorobenzene
Concen: 4.512 ug/L
RT: 11.30 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:146 Resp: 96241

Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.9	53.7
148	62.4	44.6	82.8



Instrument :
MSVOA_V
ClientSampleId :
ETKW8MS

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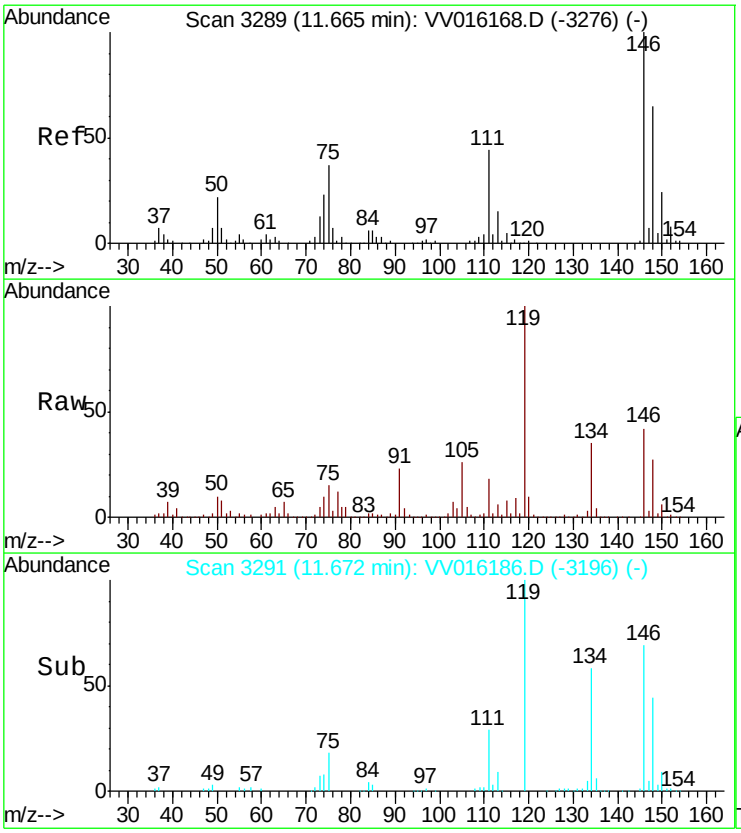

#66
1,2-Dichlorobenzene
Concen: 29.309 ug/L
RT: 11.67 min Scan# 3291
Delta R.T. 0.01 min
Lab File: VV016186.D
Acq: 22 May 2020 21:14

Tgt Ion:146 Resp: 563125

Ion	Ratio	Lower	Upper
146	100		
111	42.8	37.0	55.4
148	64.1	49.8	74.6