Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052220\
Data File : VV016187.D
Acq On : 22 May 2020 21:37
Operator : SY/MD
Sample : L2756-06MSD
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETKW8MSD

Manual Integrations APPROVED
MMDadoda
5/26/2020 9:35:29 AM

Quant Time: May 25 02:14:16 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	171793	5.00	ug/L		0.02
28) Chlorobenzene-d5	8.88	117	158601	5.00	ug/L		0.00
61) 1,4-Dichlorobenzene-d4	11.28	152	78879	5.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.31	65	54906	5.89	ug/L		0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 117.80%				
7) Chloroethane-d5	1.58	69	39936	4.52	ug/L		0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 90.40%				
11) 1,1-Dichloroethene-d2	2.14	63	3657170	182.48	ug/L		0.01
Spiked Amount 5.000	Range 60 - 125		Recovery = 3649.60%#				
20) 2-Butanone-d5	4.05	46	45622	17.16	ug/L		0.07
Spiked Amount 50.000	Range 40 - 130		Recovery = 34.32%#				
24) Chloroform-d	4.40	84	100703	4.94	ug/L		0.02
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.80%				
26) 1,2-Dichloroethane-d4	5.08	65	46766	4.00	ug/L		0.02
Spiked Amount 5.000	Range 70 - 130		Recovery = 80.00%				
32) Benzene-d6	5.10	84	197042	5.22	ug/L		0.02
Spiked Amount 5.000	Range 70 - 125		Recovery = 104.40%				
36) 1,2-Dichloropropane-d6	6.11	67	60716	5.27	ug/L		0.01
Spiked Amount 5.000	Range 60 - 140		Recovery = 105.40%				
41) Toluene-d8	7.36	98	203593m	5.71	ug/L		0.03
Spiked Amount 5.000	Range 70 - 130		Recovery = 114.20%				
45) trans-1,3-Dichloropropene-	7.66	79	20965	4.64	ug/L		0.01
Spiked Amount 5.000	Range 55 - 130		Recovery = 92.80%				
48) 2-Hexanone-d5	8.13	63	89279	44.95	ug/L		0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 89.90%				
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37526	4.63	ug/L		0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 92.60%				
65) 1,2-Dichlorobenzene-d4	11.65	152	64298	5.02	ug/L		0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.13	85	1183	0.090	ug/L		94
3) Chloromethane	1.24	50	1450	0.109	ug/L		98
5) Vinyl chloride	1.32	62	1127078	88.437	ug/L		100
8) Chloroethane	1.60	64	13482	1.485	ug/L		84
9) Trichlorofluoromethane	1.77	101	42840	2.451	ug/L		100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	430540	43.603	ug/L		99
12) 1,1-Dichloroethene	2.14	96	6211915	657.067	ug/L	#	58
14) Carbon disulfide	2.32	76	28252	0.905	ug/L		100
16) Methylene chloride	2.52	84	12581457	1112.176	ug/L		98
18) trans-1,2-Dichloroethene	2.79	96	953565	91.268	ug/L		99
19) 1,1-Dichloroethane	3.23	63	21213727	1054.179	ug/L		94
22) cis-1,2-Dichloroethene	3.94	96	74692922m	6829.302	ug/L		
25) Chloroform	4.42	83	96953	4.375	ug/L		99
29) 1,1,1-Trichloroethane	4.66	97	51008551m	2916.449	ug/L		
30) Cyclohexane	4.75	56	1410334	80.468	ug/L		92
33) Benzene	5.14	78	7842103	196.528	ug/L		100
34) Trichloroethene	5.95	95	2284248	200.562	ug/L		94

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Sample : L2756-06MSD
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETKW8MSD

Manual Integrations APPROVED
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5/26/2020 9:35:29 AM

Quant Time: May 25 02:14:16 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)
35) Methylcyclohexane	6.17	83	1775488	103.058	ug/L		99
40) 4-Methyl-2-pentanone	7.31	43	2616762	414.126	ug/L		97
42) Toluene	7.41	91	52183726m	1233.770	ug/L		
47) 1,1,2-Trichloroethane	7.87	97	61215	9.042	ug/L		97
49) Tetrachloroethene	8.01	164	252693	31.798	ug/L		98
50) 2-Hexanone	8.18	43	141294	31.620	ug/L		96
53) Chlorobenzene	8.91	112	184512	6.783	ug/L		97
54) Ethylbenzene	9.04	91	24712664m	513.831	ug/L		
55) m,p-xylene	9.19	106	24415727m	1371.030	ug/L		
56) o-xylene	9.59	106	11871029	697.240	ug/L	#	47
57) Styrene	9.60	104	5517496	193.746	ug/L		82
58) Isopropylbenzene	9.96	105	1070050	22.876	ug/L		99
63) 1,3-Dichlorobenzene	11.21	146	10165	0.478	ug/L		90
64) 1,4-Dichlorobenzene	11.30	146	96599	4.524	ug/L		99
66) 1,2-Dichlorobenzene	11.67	146	565712	29.412	ug/L		97

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

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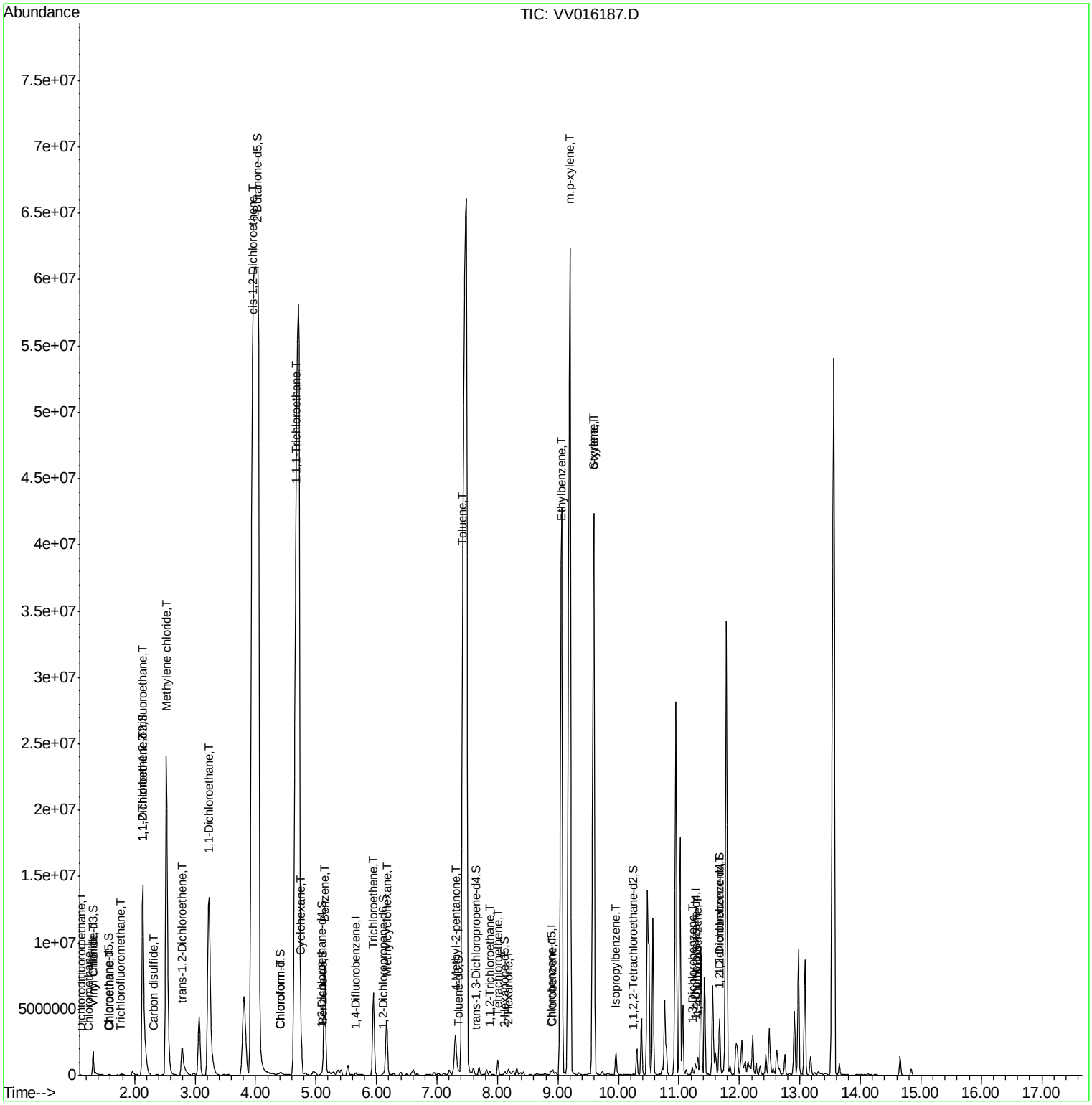
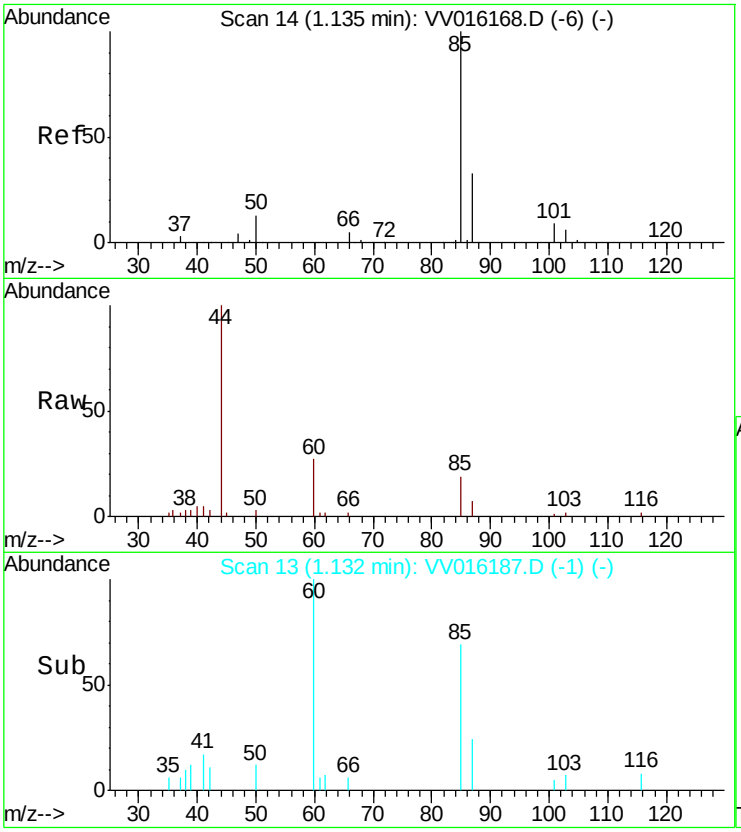
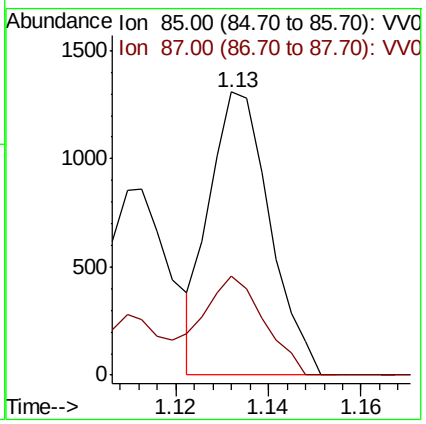




#2
Dichlorodifluoromethane
Concen: 0.090 ug/L
RT: 1.13 min Scan# 13
Delta R.T. -0.00 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 85 Resp: 1183

Ion	Ratio	Lower	Upper
85	100		
87	36.3	26.4	39.6



Instrument :
MSVOA_V
ClientSampleId :
ETKW8MSD

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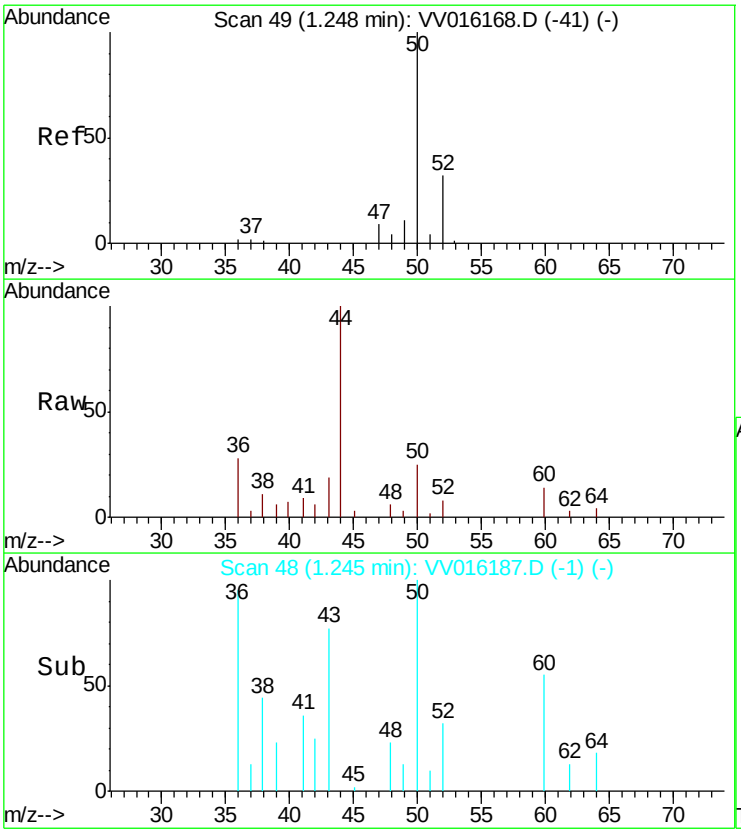
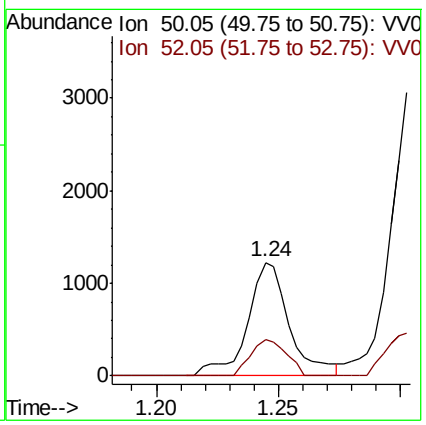
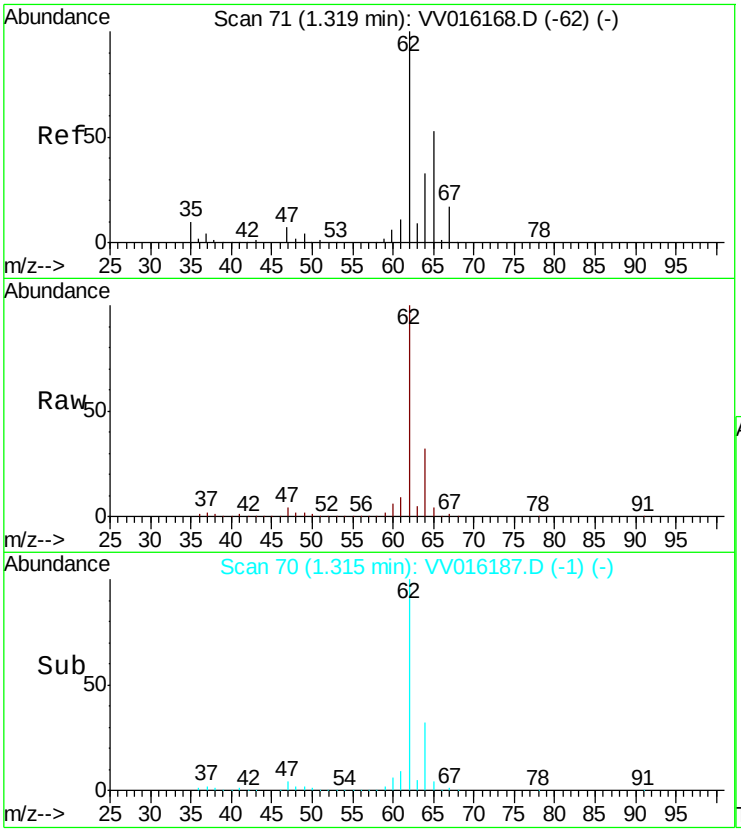


#3
Chloromethane
Concen: 0.109 ug/L
RT: 1.24 min Scan# 48
Delta R.T. -0.00 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 50 Resp: 1450

Ion	Ratio	Lower	Upper
50	100		
52	31.6	22.8	42.4

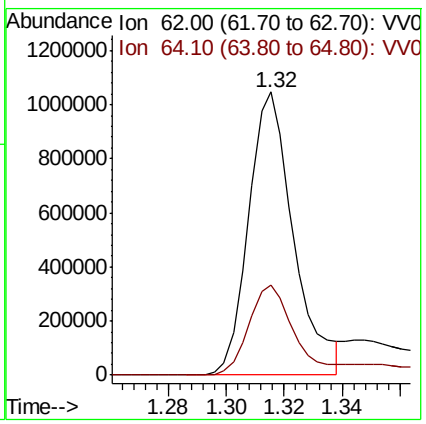




#5
Vinyl chloride
Concen: 88.437 ug/L
RT: 1.32 min Scan# 70
Delta R.T. -0.00 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 62 Resp: 1127078

Ion	Ratio	Lower	Upper
62	100		
64	32.0	22.4	41.6



Instrument :
MSVOA_V
ClientSampleId :
ETKW8MSD

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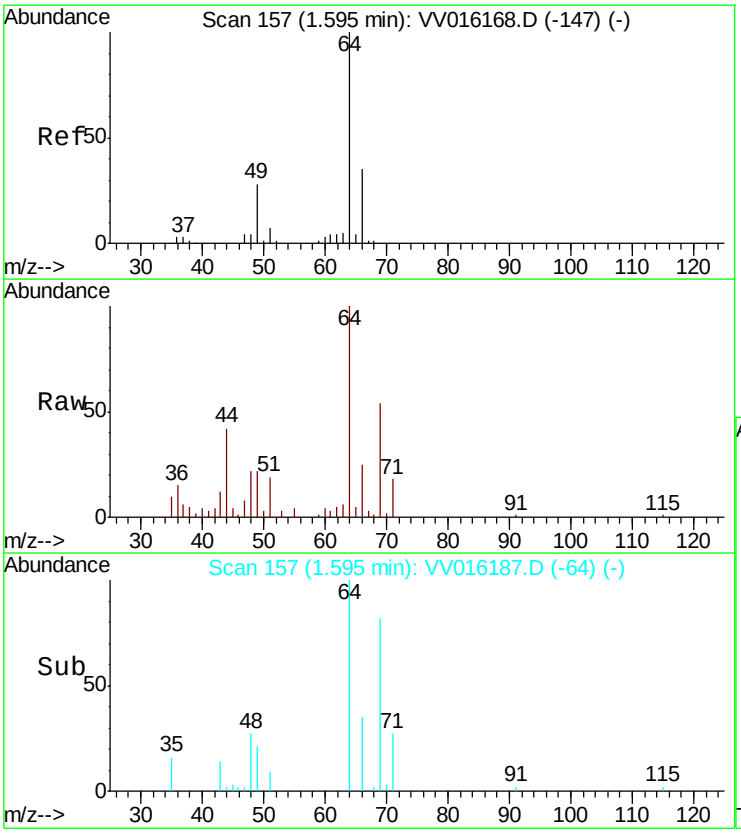
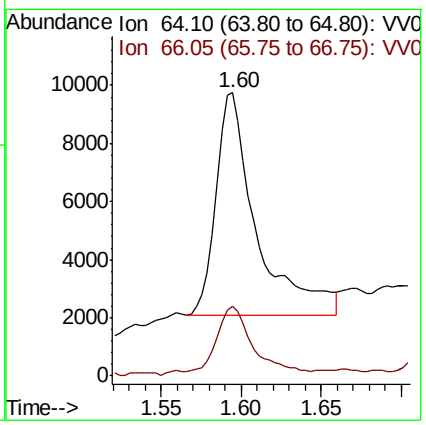
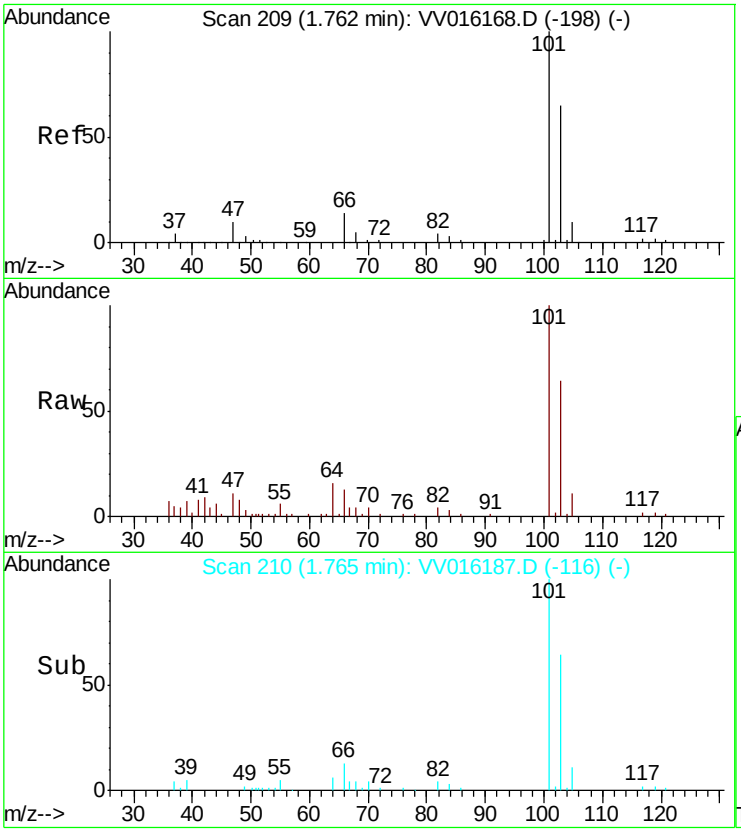


#8
Chloroethane
Concen: 1.485 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 64 Resp: 13482

Ion	Ratio	Lower	Upper
64	100		
66	24.6	23.6	43.8





#9
Trichlorofluoromethane
Concen: 2.451 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:101 Resp: 42840

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.4	77.2

Instrument :
MSVOA_V
ClientSampleId :
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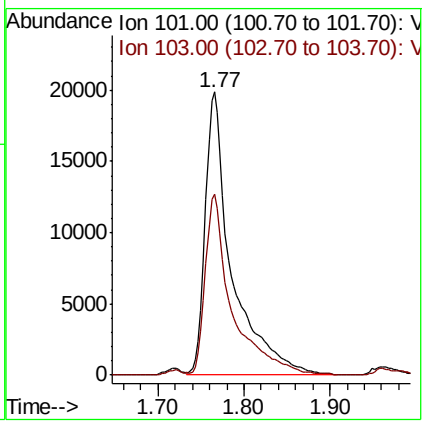
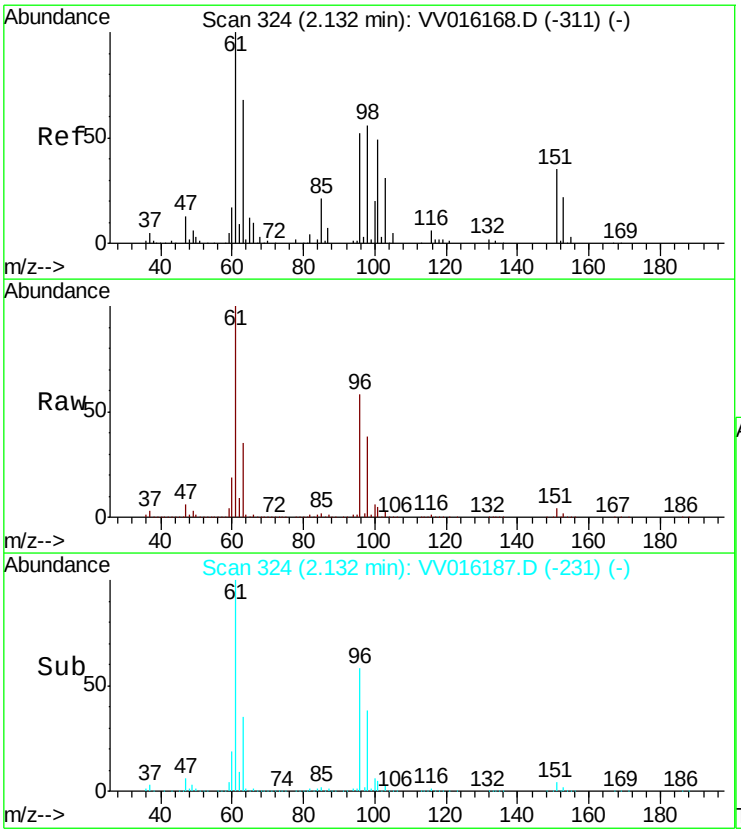
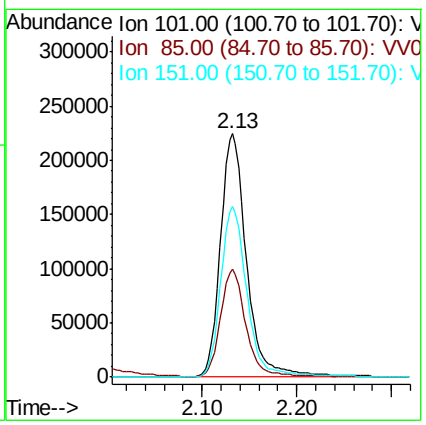


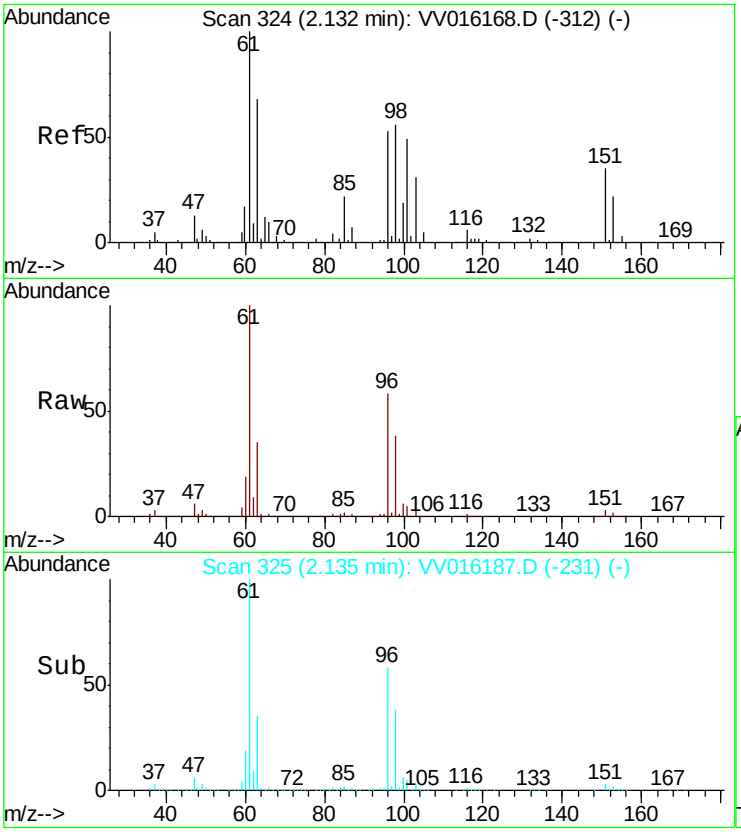


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 43.603 ug/L
RT: 2.13 min Scan# 324
Delta R.T. 0.00 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:101 Resp: 430540

Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.7	53.5
151	71.5	58.0	87.0

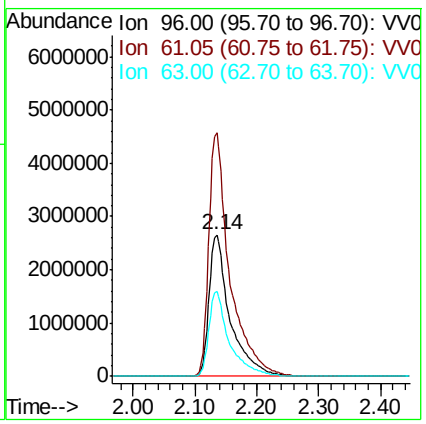




#12
1,1-Dichloroethene
Concen: 657.067 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.00 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 96 Resp: 6211915

Ion	Ratio	Lower	Upper
96	100		
61	172.1	139.9	259.7
63	59.5	106.4	197.6#



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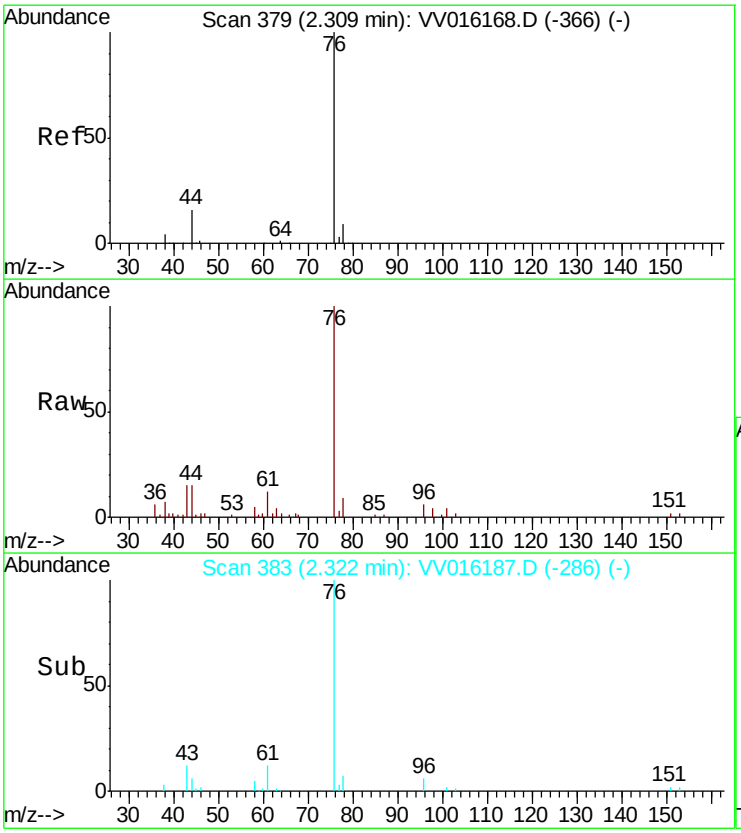
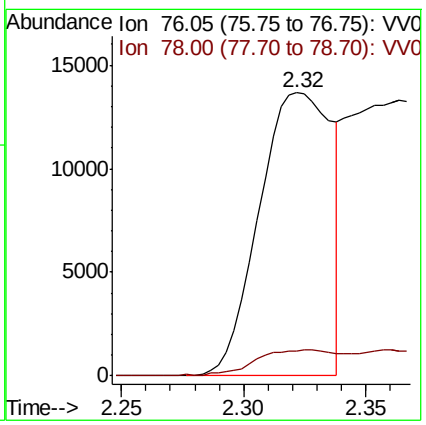
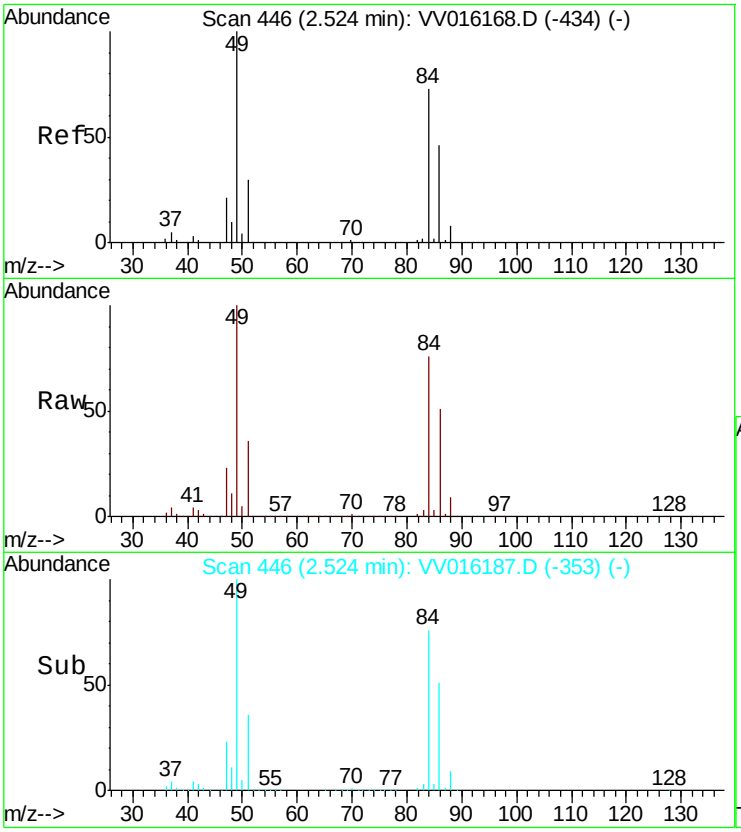


#14
Carbon disulfide
Concen: 0.905 ug/L
RT: 2.32 min Scan# 383
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 76 Resp: 28252

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

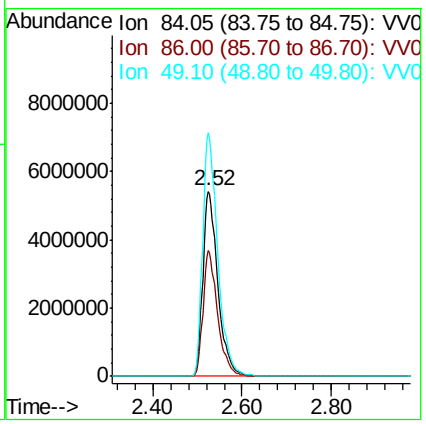




#16
Methylene chloride
Concen: 1112.176 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 84 Resp:12581457

Ion	Ratio	Lower	Upper
84	100		
86	67.6	45.6	84.8
49	131.4	93.6	173.8



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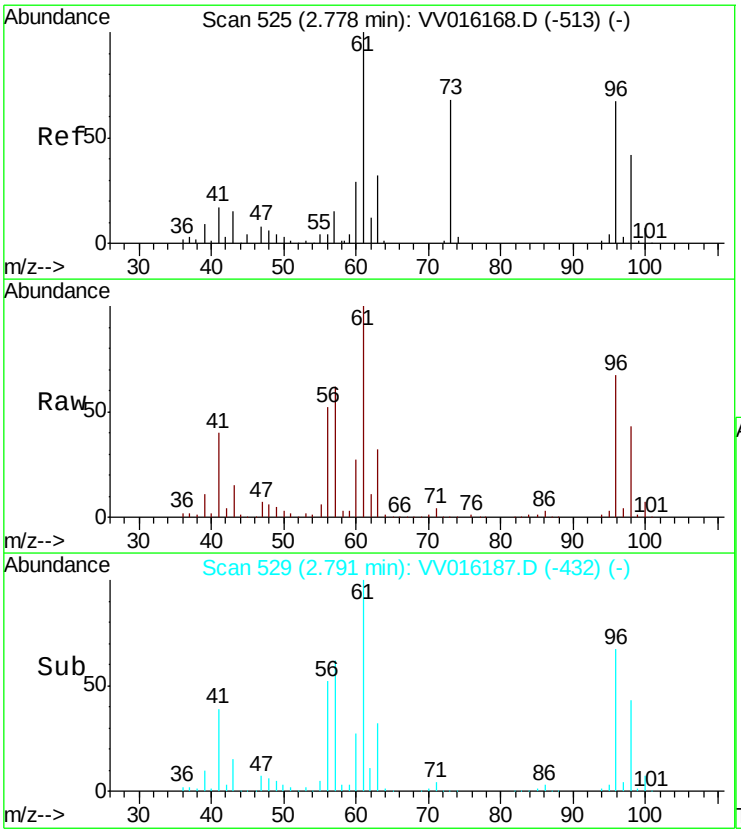
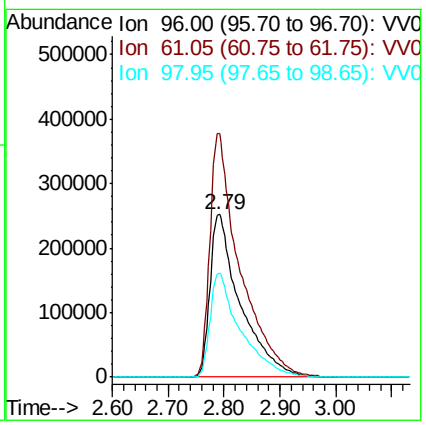
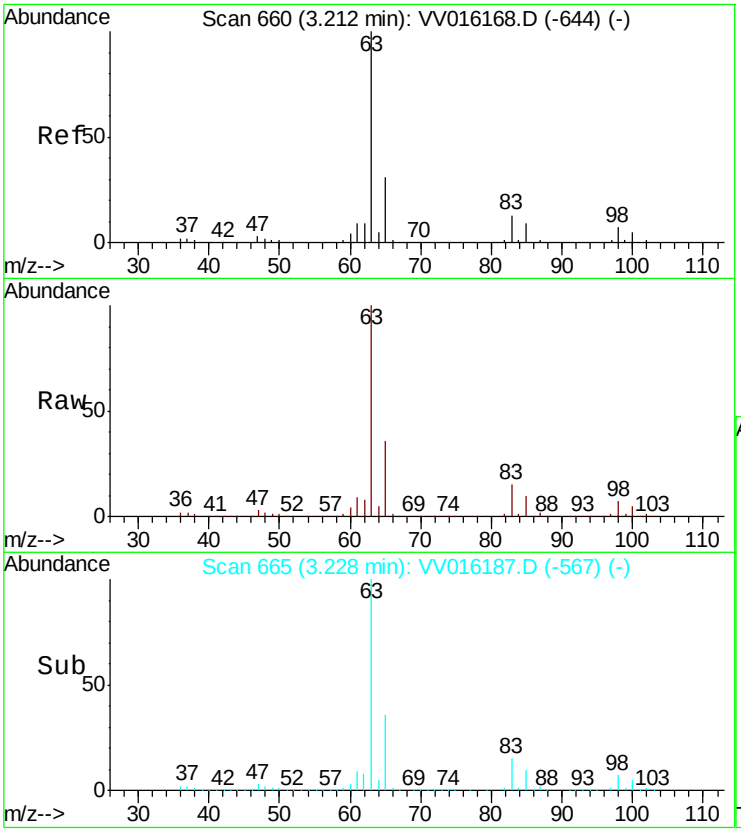


#18
trans-1,2-Dichloroethene
Concen: 91.268 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 96 Resp: 953565

Ion	Ratio	Lower	Upper
96	100		
61	149.5	105.3	195.5
98	64.2	44.0	81.6

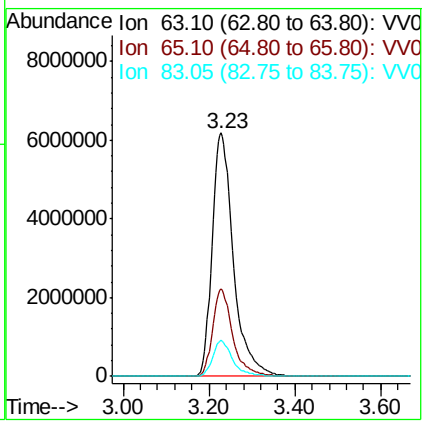




#19
1,1-Dichloroethane
Concen: 1054.179 ug/L
RT: 3.23 min Scan# 665
Delta R.T. 0.02 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 63 Resp:21213727

Ion	Ratio	Lower	Upper
63	100		
65	35.8	22.0	41.0
83	14.7	9.8	18.2



Instrument :
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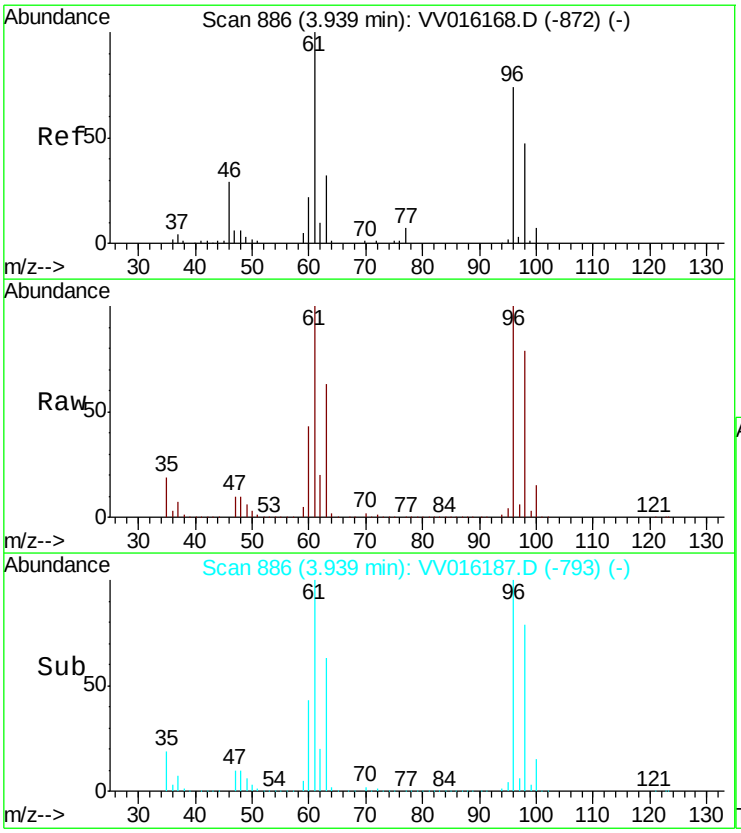
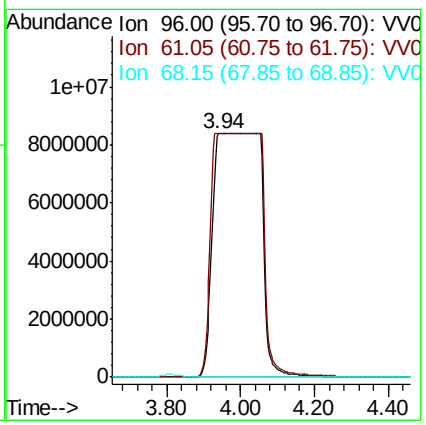
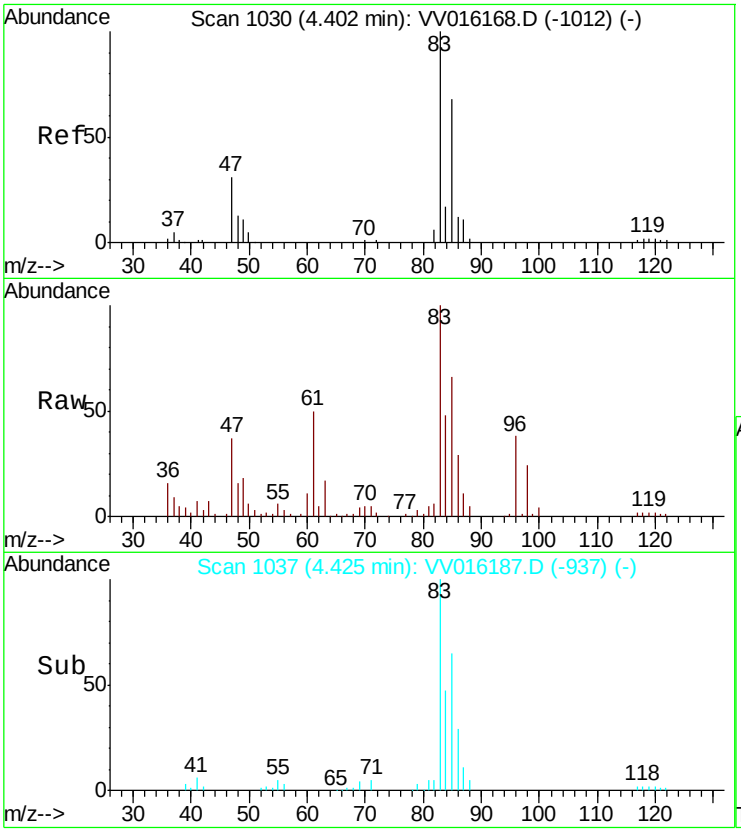


#22
cis-1,2-Dichloroethene
Concen: 6829.302 ug/L m
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 96 Resp:74692922

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

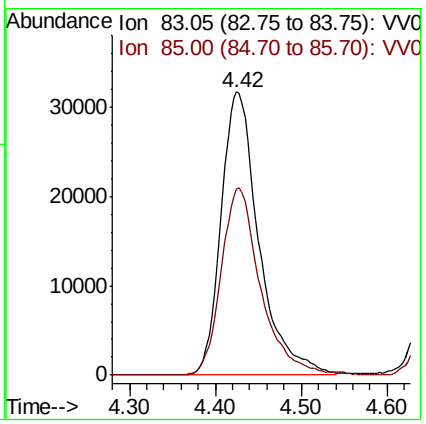




#25
Chloroform
Concen: 4.375 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.02 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 83 Resp: 96953

Ion	Ratio	Lower	Upper
83	100		
85	65.8	45.7	84.9



Instrument :
MSVOA_V
ClientSampleId :
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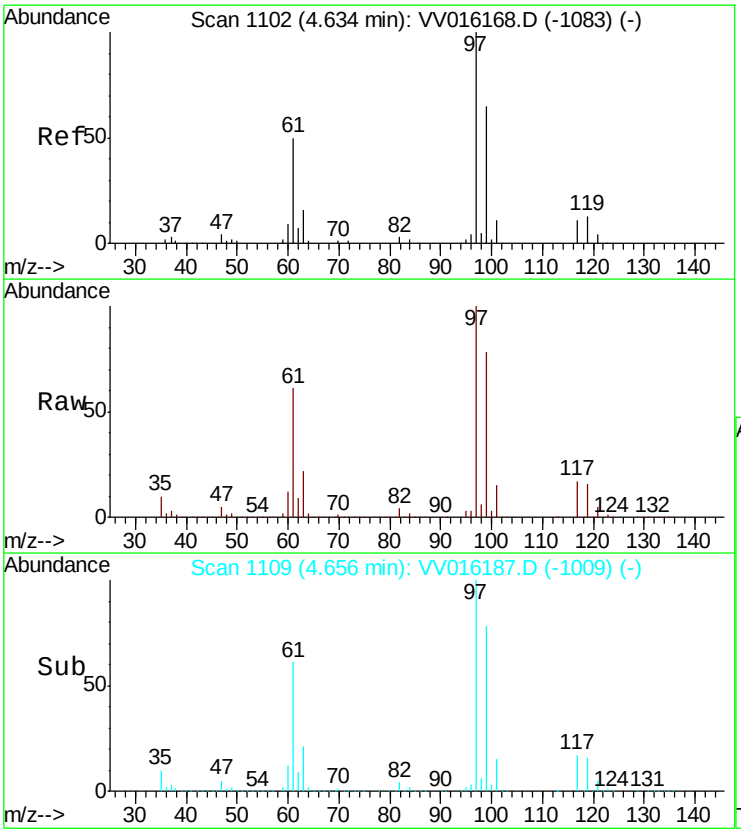
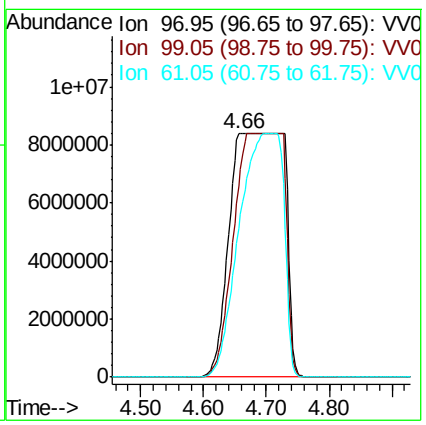
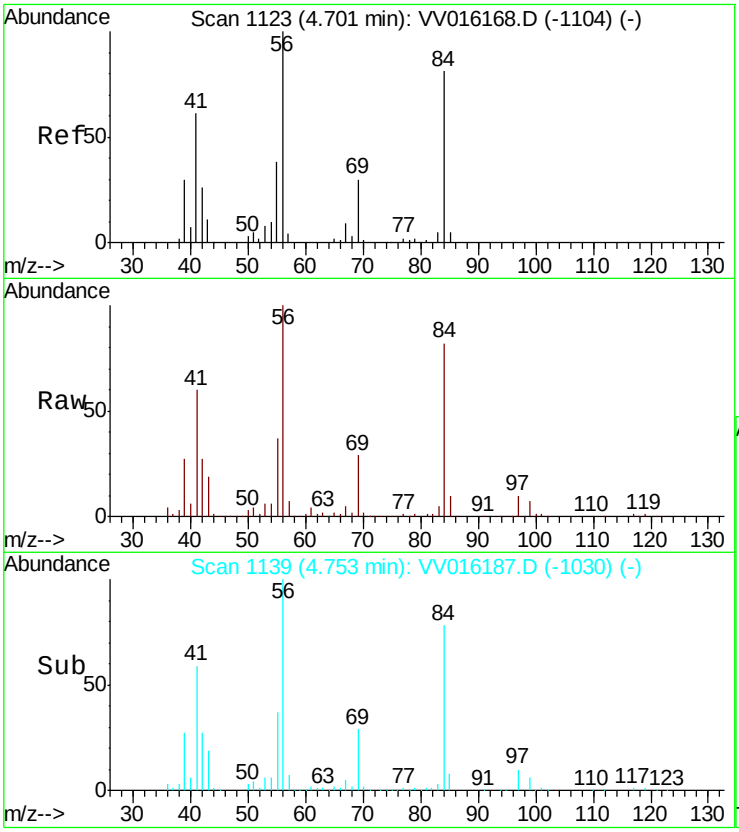


#29
1,1,1-Trichloroethane
Concen: 2916.449 ug/L m
RT: 4.66 min Scan# 1109
Delta R.T. 0.02 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 97 Resp:51008551

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

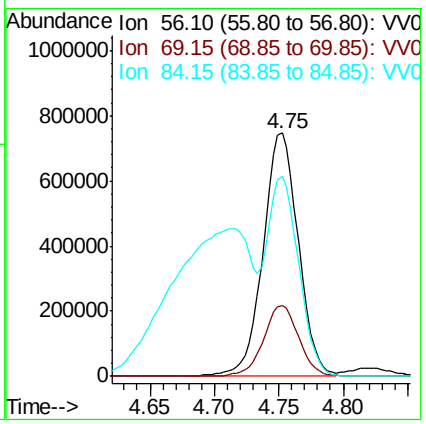




#30
Cyclohexane
Concen: 80.468 ug/L
RT: 4.75 min Scan# 1139
Delta R.T. 0.05 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 56 Resp: 1410334

Ion	Ratio	Lower	Upper
56	100		
69	29.8	24.2	36.2
84	76.3	68.3	102.5



Instrument :
MSVOA_V
ClientSampleId :
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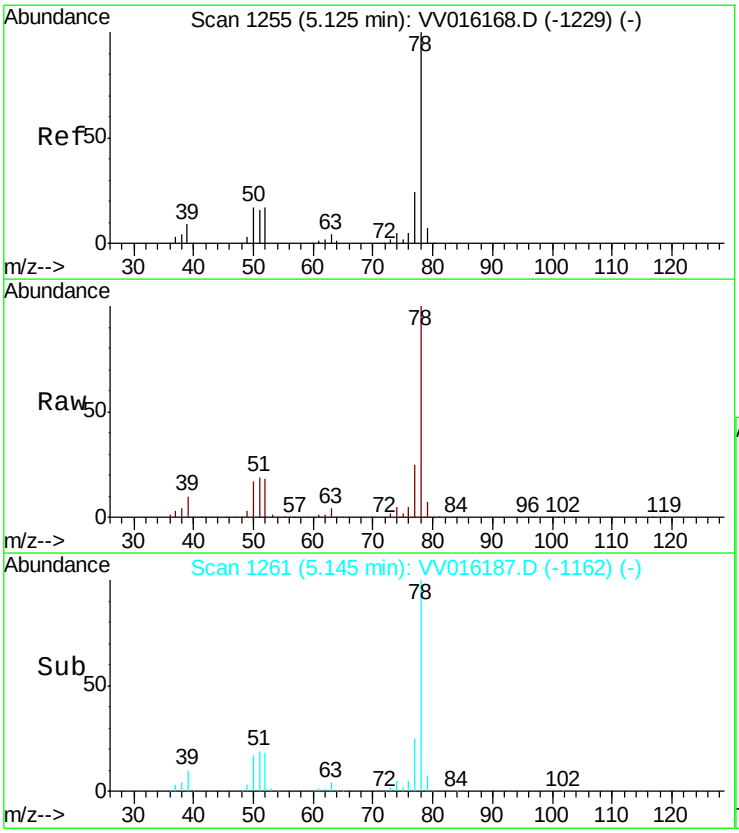
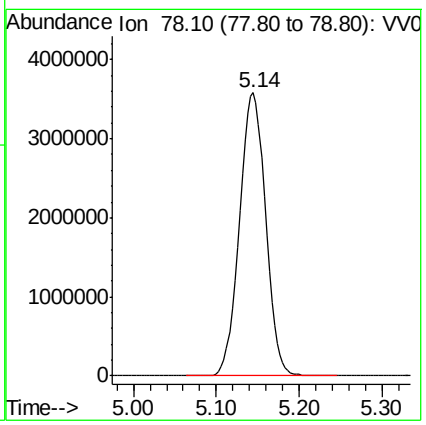
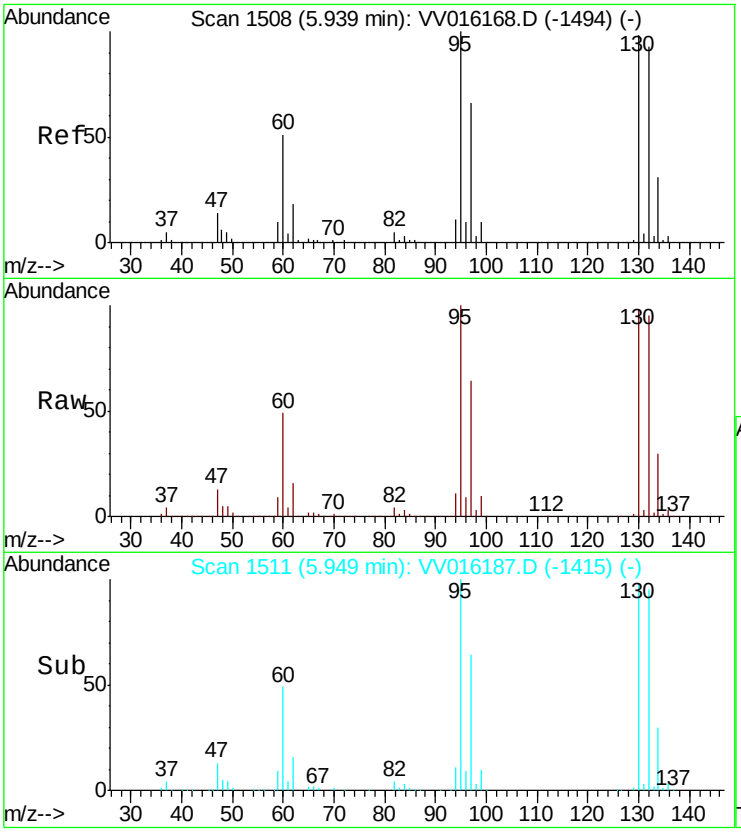


#33
Benzene
Concen: 196.528 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.02 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 78 Resp: 7842103

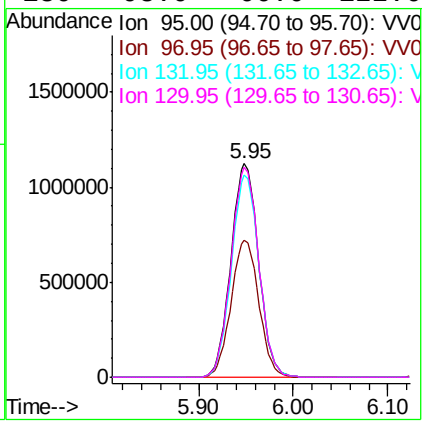




#34
Trichloroethene
Concen: 200.562 ug/L
RT: 5.95 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 95 Resp: 2284248

Ion	Ratio	Lower	Upper
95	100		
97	64.4	43.3	80.5
132	94.5	60.3	112.1
130	98.0	66.0	122.6



Instrument :
MSVOA_V
ClientSampleId :
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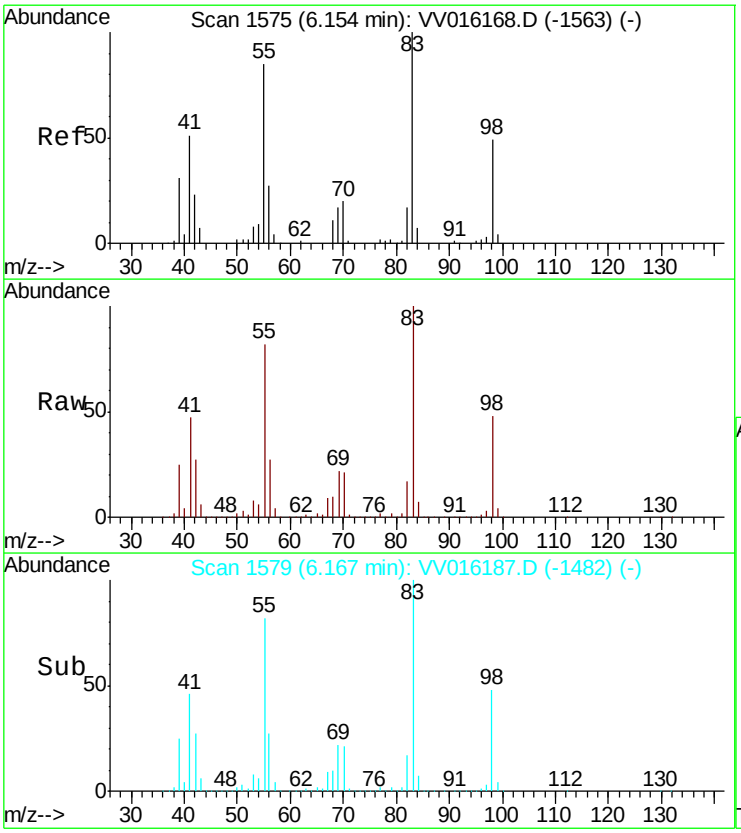
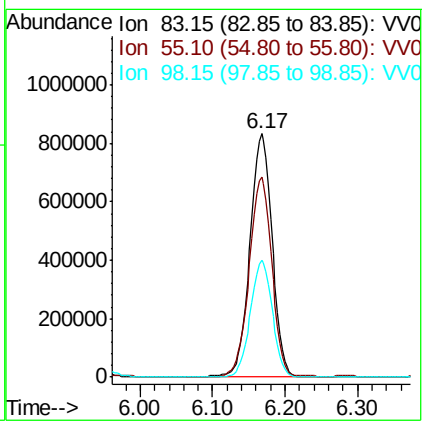
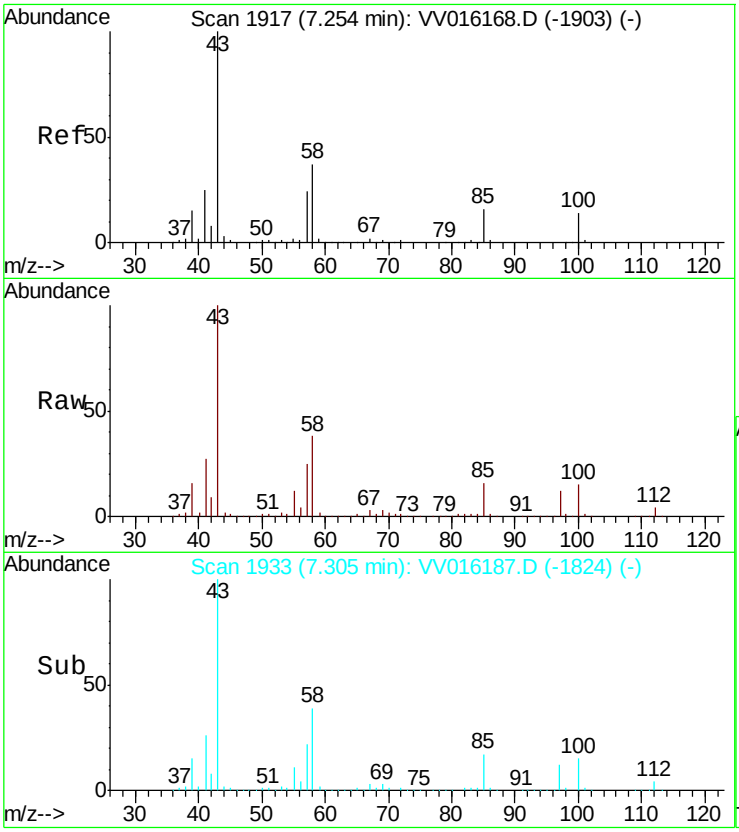


#35
Methylcyclohexane
Concen: 103.058 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 83 Resp: 1775488

Ion	Ratio	Lower	Upper
83	100		
55	84.0	66.2	99.2
98	47.3	37.9	56.9

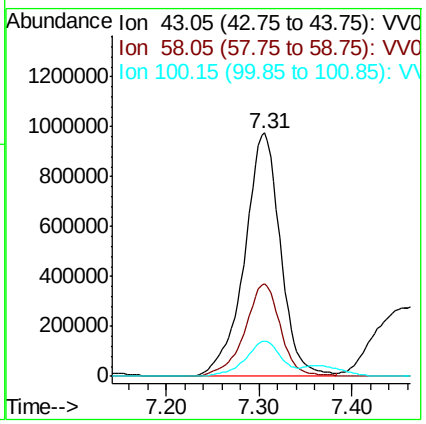




#40
4-Methyl-2-pentanone
Concen: 414.126 ug/L
RT: 7.31 min Scan# 1933
Delta R.T. 0.05 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 43 Resp: 2616762

Ion	Ratio	Lower	Upper
43	100		
58	38.1	29.0	43.4
100	14.5	10.9	16.3



Instrument :
MSVOA_V
ClientSampleId :
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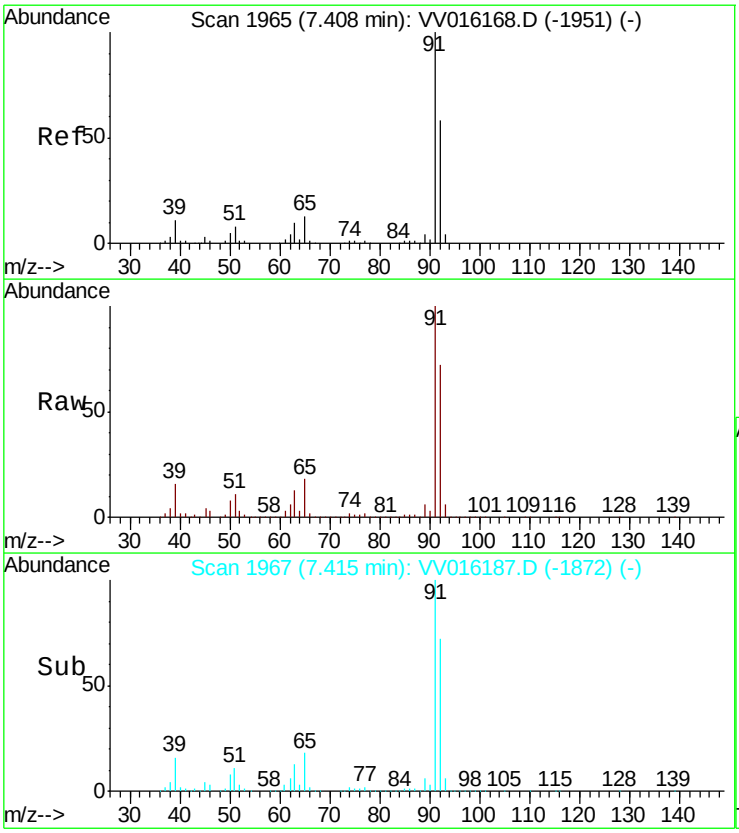
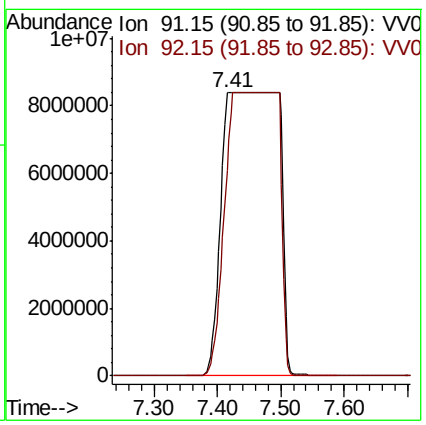
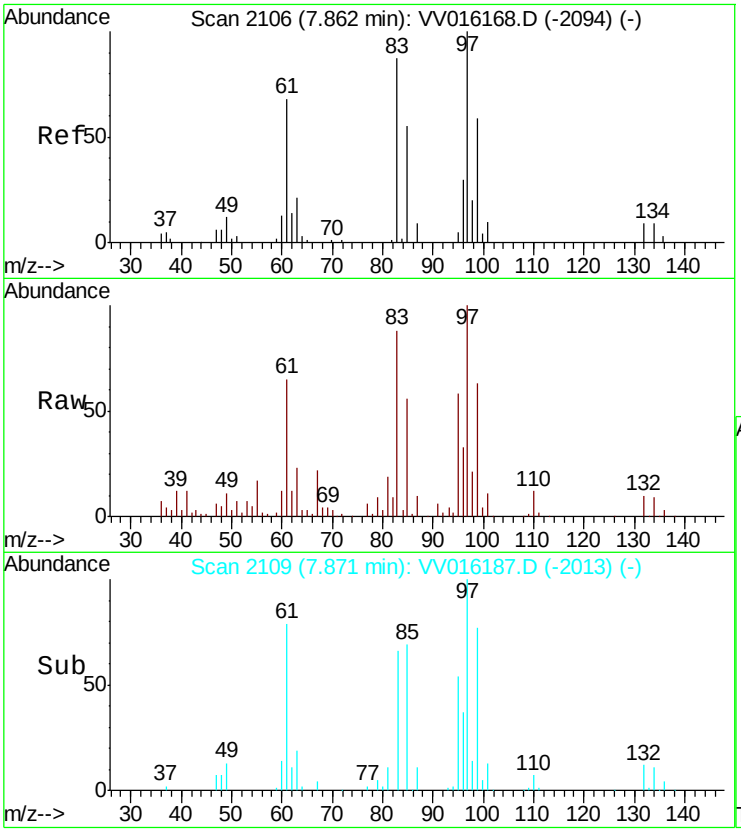


#42
Toluene
Concen: 1233.770 ug/L m
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 91 Resp:52183726

Ion	Ratio	Lower	Upper
91	100		
92	72.4	40.1	74.5

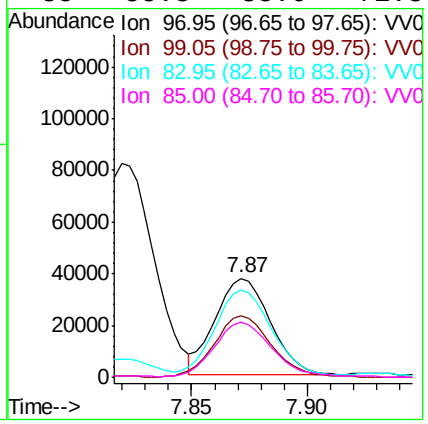




#47
1,1,2-Trichloroethane
Concen: 9.042 ug/L
RT: 7.87 min Scan# 2109
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 97 Resp: 61215

Ion	Ratio	Lower	Upper
97	100		
99	62.8	42.1	78.1
83	88.4	59.2	110.0
85	55.8	38.6	71.8



Instrument :
MSVOA_V
ClientSampleId :
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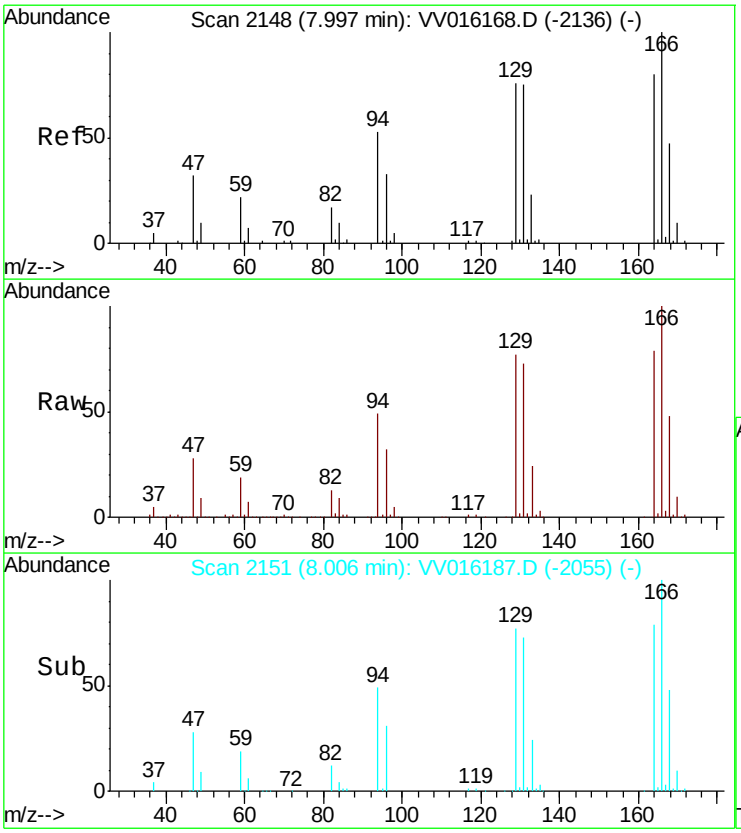
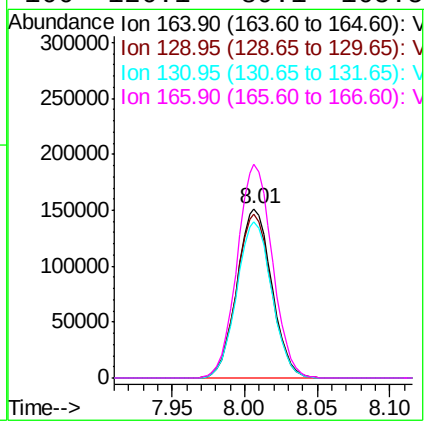
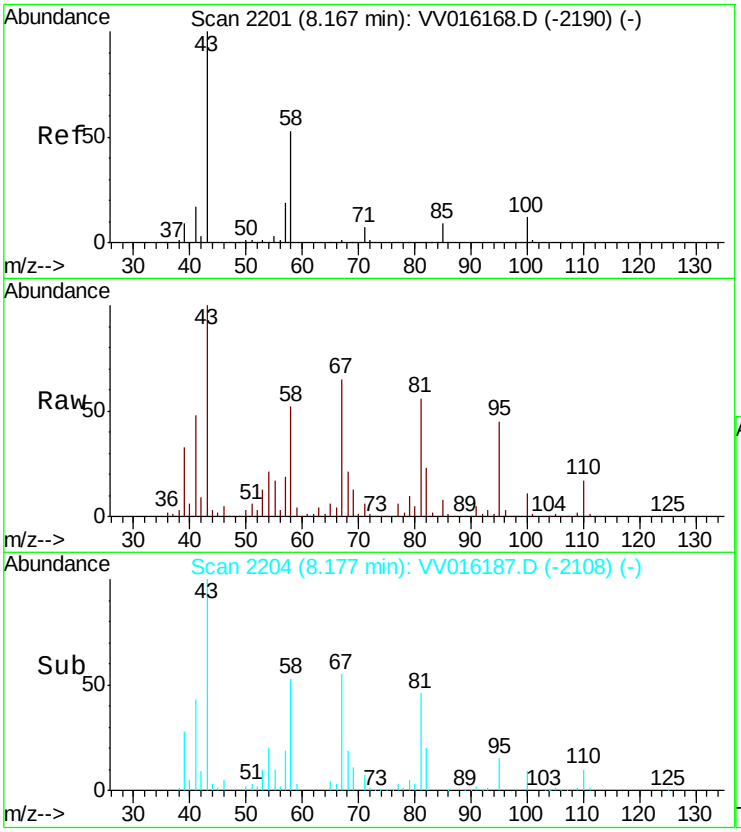


#49
Tetrachloroethene
Concen: 31.798 ug/L
RT: 8.01 min Scan# 2151
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:164 Resp: 252693

Ion	Ratio	Lower	Upper
164	100		
129	96.5	69.7	129.4
131	92.5	66.8	124.2
166	126.1	89.1	165.5

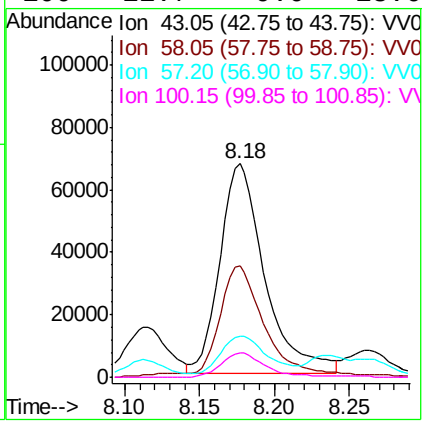




#50
2-Hexanone
Concen: 31.620 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 43 Resp: 141294

Ion	Ratio	Lower	Upper
43	100		
58	54.7	40.8	61.2
57	17.7	14.7	22.1
100	11.7	9.0	13.6



Instrument :
MSVOA_V
ClientSampleId :
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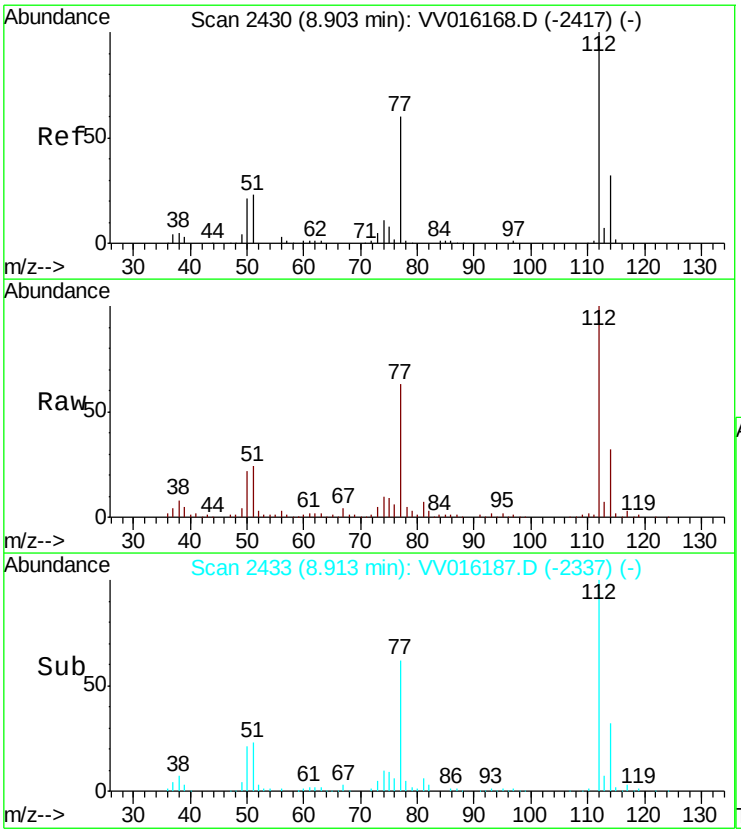
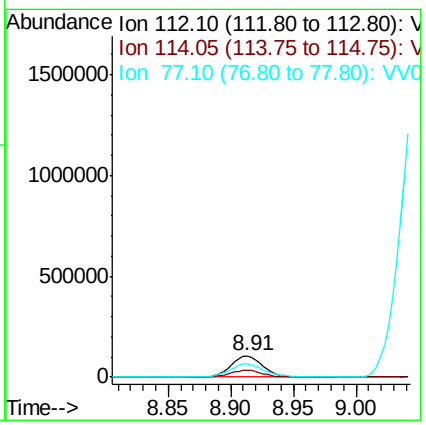
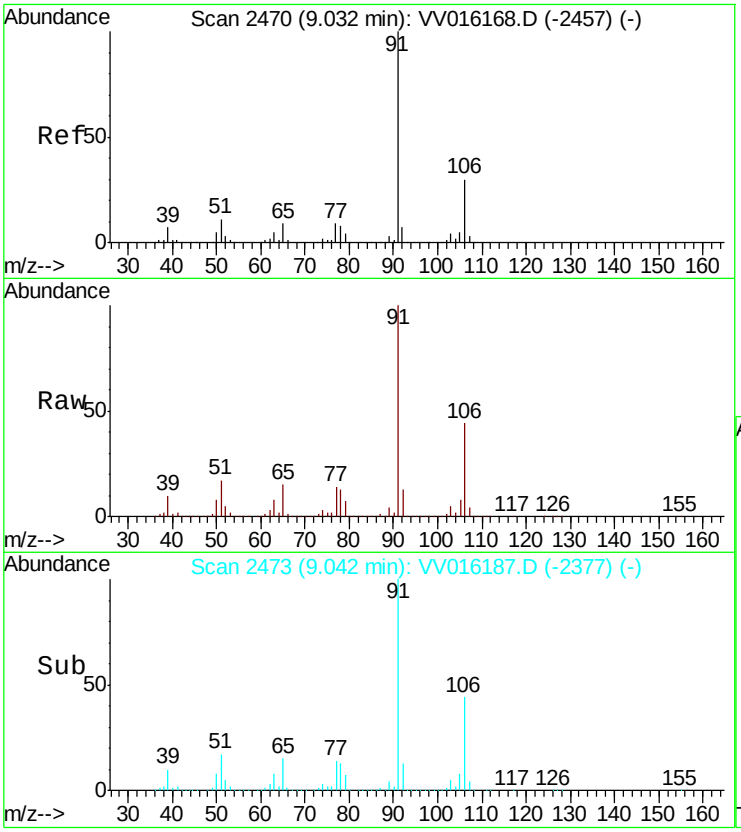


#53
Chlorobenzene
Concen: 6.783 ug/L
RT: 8.91 min Scan# 2433
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:112 Resp: 184512

Ion	Ratio	Lower	Upper
112	100		
114	32.3	21.6	40.0
77	62.7	48.6	73.0

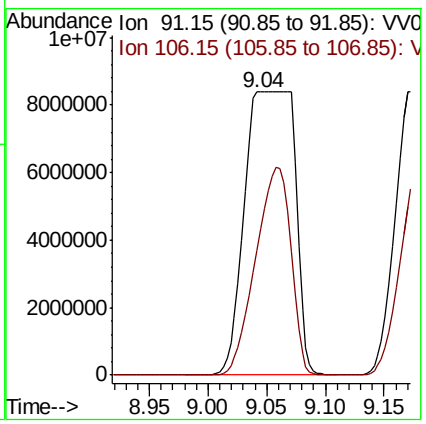




#54
Ethylbenzene
Concen: 513.831 ug/L m
RT: 9.04 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion: 91 Resp:24712664

Ion	Ratio	Lower	Upper
91	100		
106	44.1	20.6	38.4#



Instrument :
MSVOA_V
ClientSampleId :
ETKW8MSD

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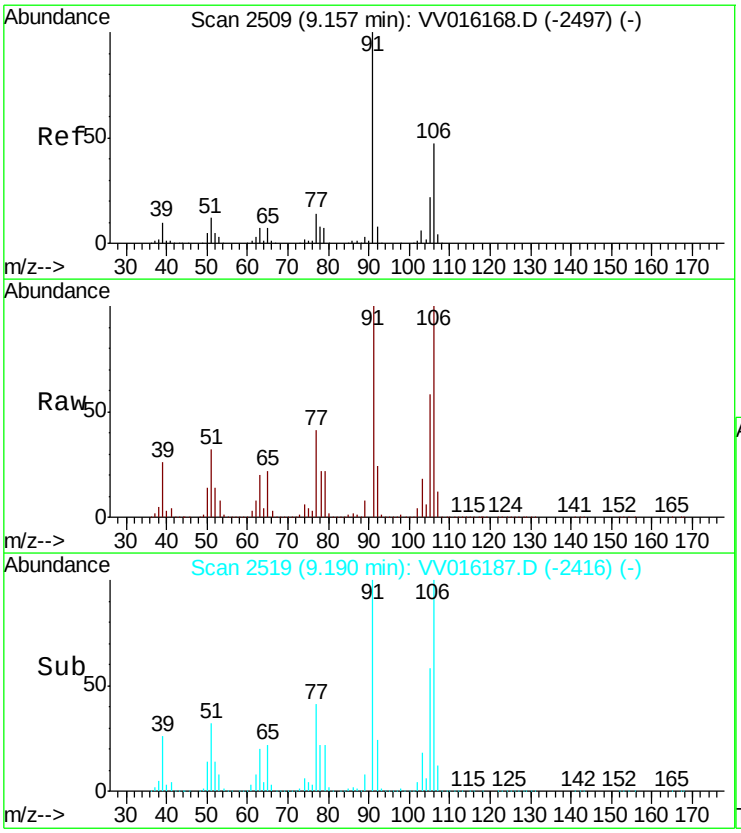
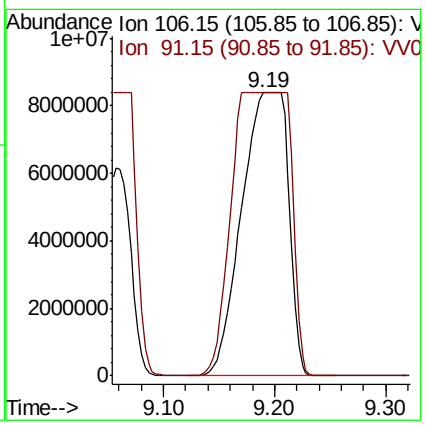
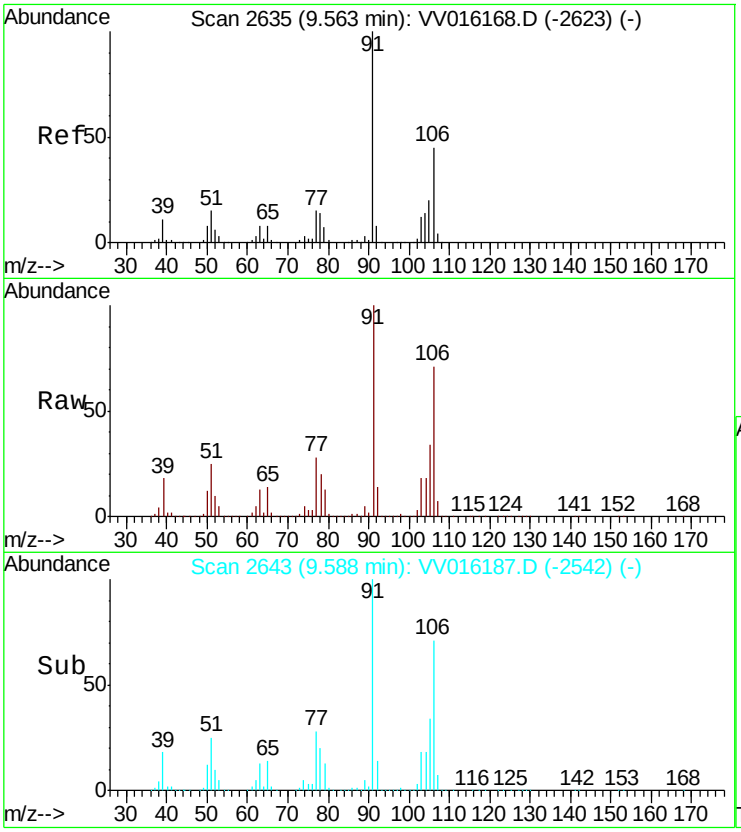


#55
m,p-xylene
Concen: 1371.030 ug/L m
RT: 9.19 min Scan# 2519
Delta R.T. 0.03 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:106 Resp:24415727

Ion	Ratio	Lower	Upper
106	100		
91	100.0	149.9	278.3#

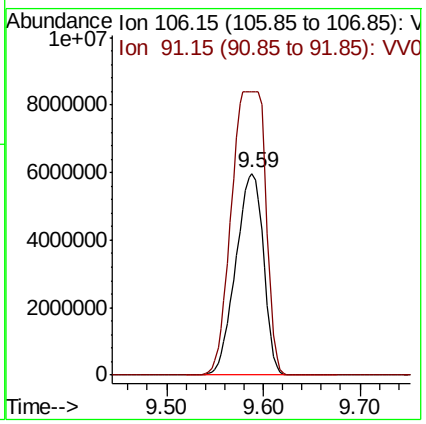




#56
o-xylene
Concen: 697.240 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.03 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:106 Resp:11871029

Ion	Ratio	Lower	Upper
106	100		
91	140.3	159.7	296.5#



Instrument :
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ClientSampleId :
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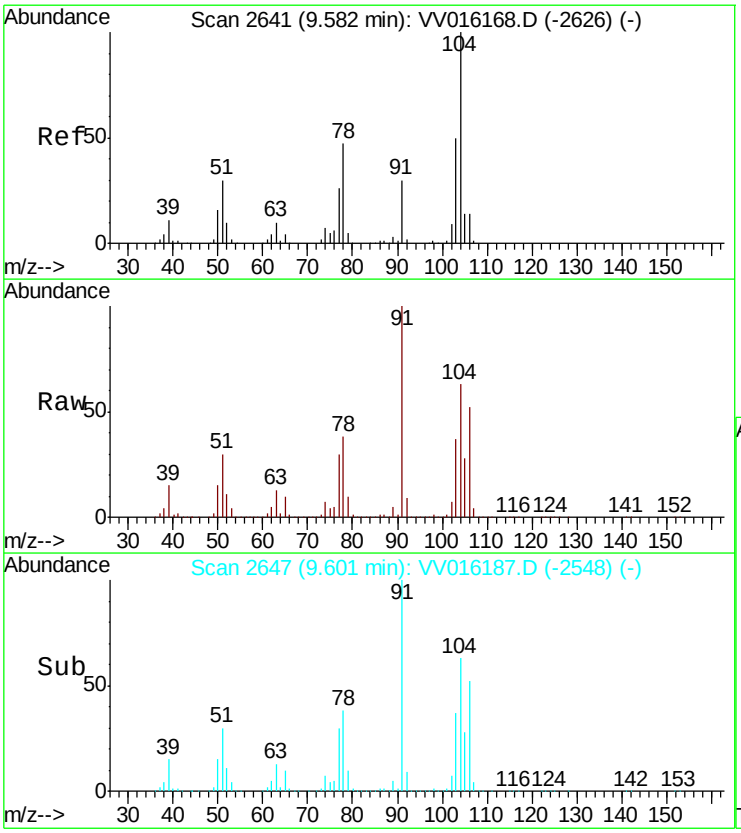
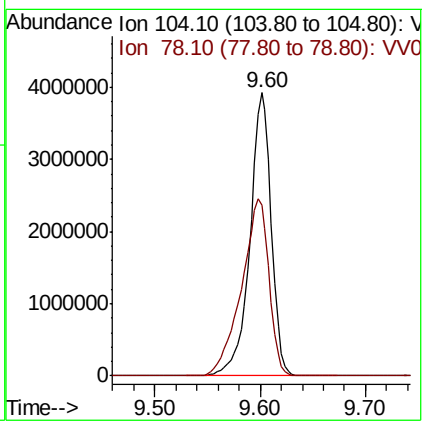
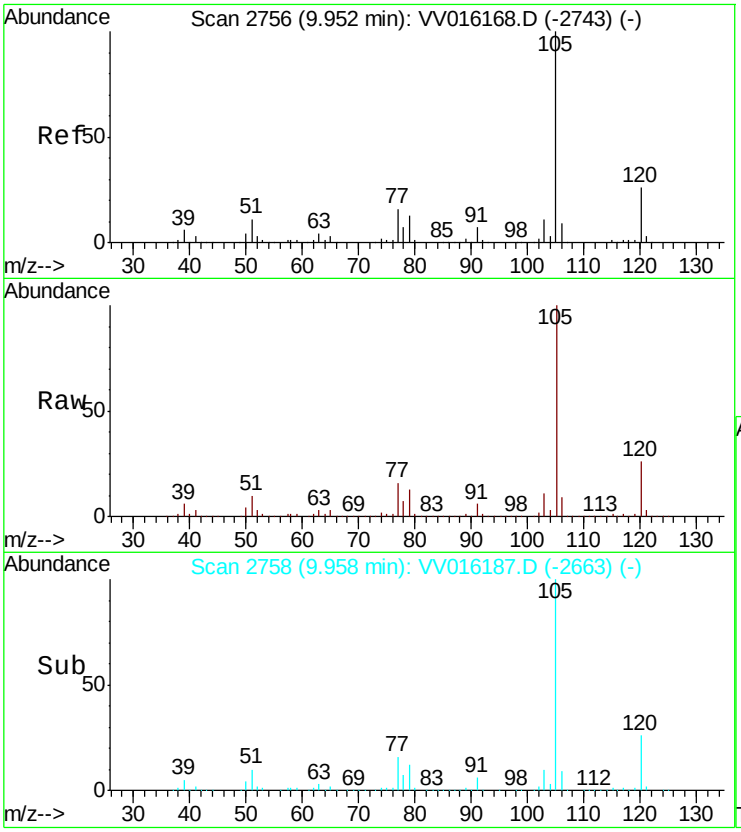


#57
Styrene
Concen: 193.746 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.02 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:104 Resp: 5517496

Ion	Ratio	Lower	Upper
104	100		
78	60.4	33.9	63.0

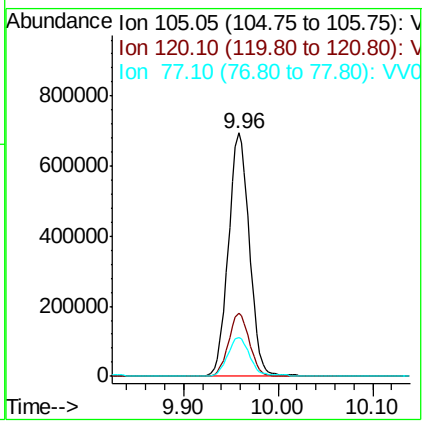




#58
Isopropylbenzene
Concen: 22.876 ug/L
RT: 9.96 min Scan# 2758
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:105 Resp: 1070050

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.8	31.2
77	16.9	14.1	21.1



Instrument :
MSVOA_V
ClientSampleId :
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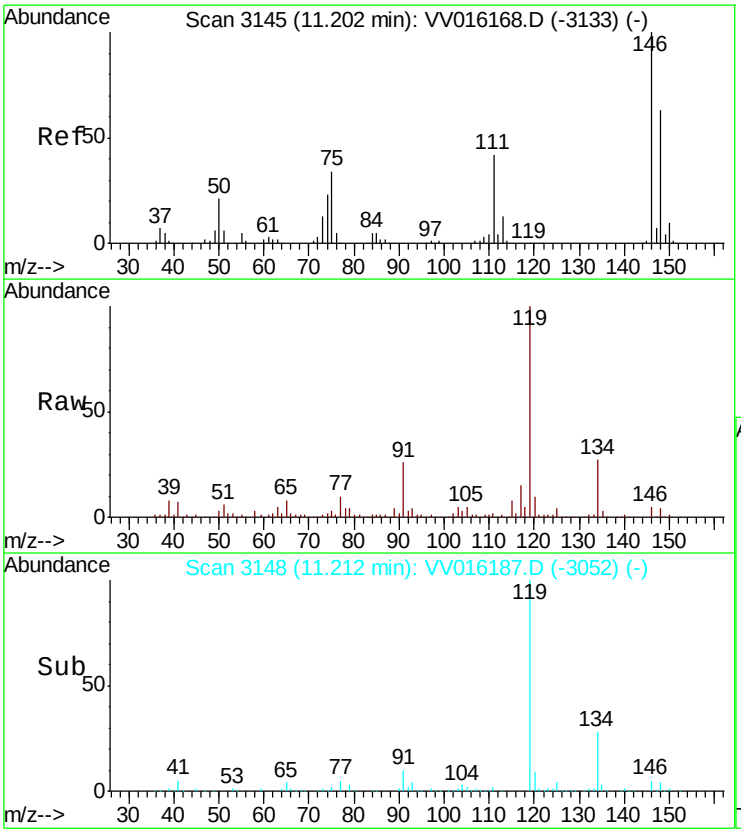
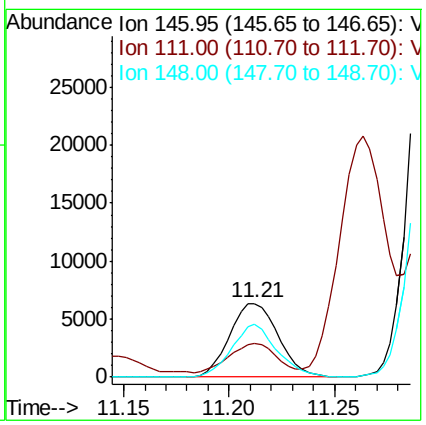
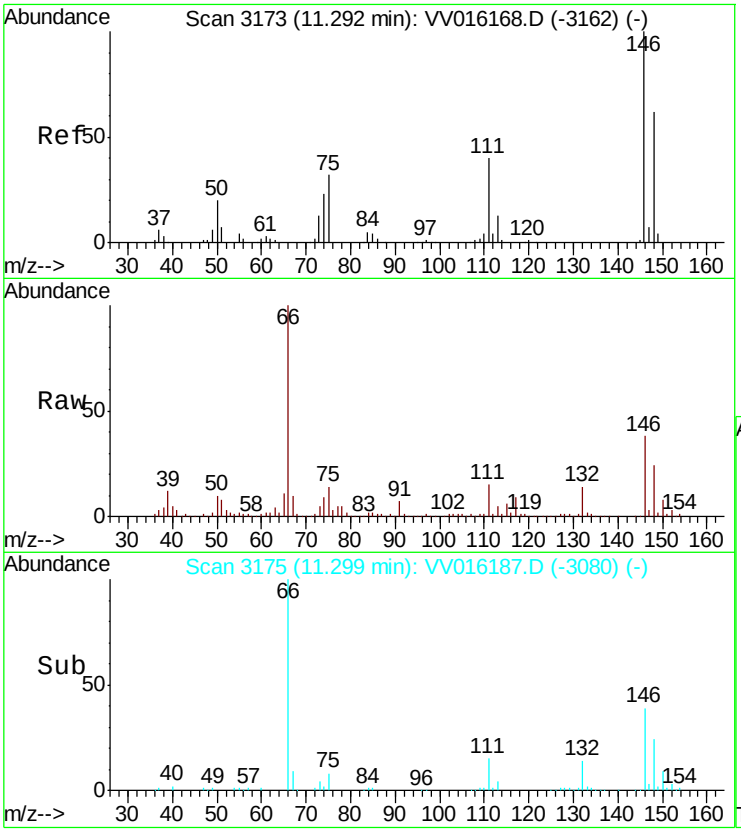


#63
1,3-Dichlorobenzene
Concen: 0.478 ug/L
RT: 11.21 min Scan# 3148
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:146 Resp: 10165

Ion	Ratio	Lower	Upper
146	100		
111	45.6	28.7	53.3
148	72.0	44.0	81.8

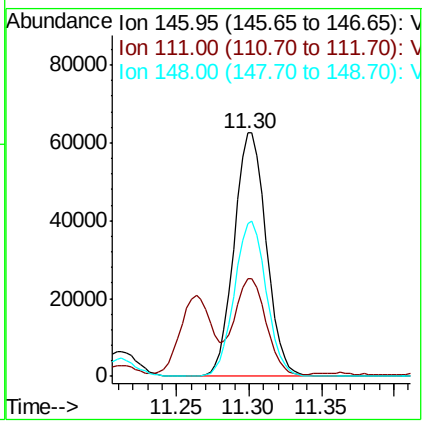




#64
1,4-Dichlorobenzene
Concen: 4.524 ug/L
RT: 11.30 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:146 Resp: 96599

Ion	Ratio	Lower	Upper
146	100		
111	40.3	28.9	53.7
148	62.7	44.6	82.8



Instrument :
MSVOA_V
ClientSampleId :
ETKW8MSD

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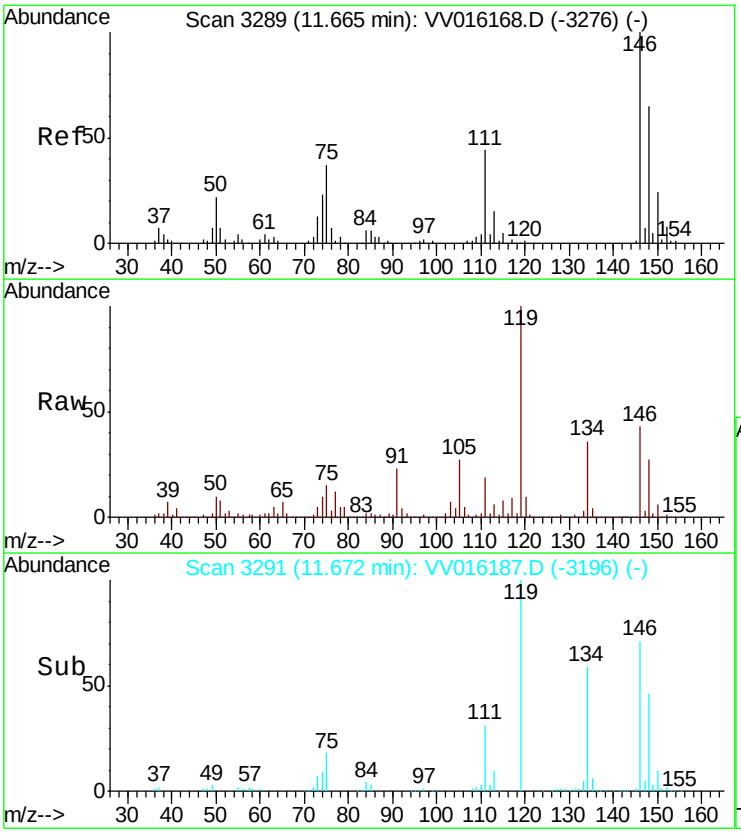

#66
1,2-Dichlorobenzene
Concen: 29.412 ug/L
RT: 11.67 min Scan# 3291
Delta R.T. 0.01 min
Lab File: VV016187.D
Acq: 22 May 2020 21:37

Tgt Ion:146 Resp: 565712

Ion	Ratio	Lower	Upper
146	100		
111	44.0	37.0	55.4
148	63.9	49.8	74.6