Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101821\
Data File : VV022893.D
Acq On : 19 Oct 2021 02:17
Operator : SY/MD
Sample : M4137-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId :

Quant Time: Oct 19 04:09:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 04:07:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	116050	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	120446	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	55214	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	43373	5.432	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 108.600%			
7) Chloroethane-d5	1.568	69	32202	4.488	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 89.800%			
11) 1,1-Dichloroethene-d2	2.108	63	51537	3.290	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 65.800%			
20) 2-Butanone-d5	3.889	46	98210	46.911	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 93.820%			
24) Chloroform-d	4.352	84	89430	5.435	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 108.800%			
26) 1,2-Dichloroethane-d4	5.037	65	40918	5.124	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.400%			
32) Benzene-d6	5.053	84	174427	4.865	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.200%			
36) 1,2-Dichloropropane-d6	6.072	67	54003	5.086	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 101.800%			
41) Toluene-d8	7.320	98	146078	4.713	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.200%			
43) trans-1,3-Dichloroprop...	7.625	79	15862	4.503	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 90.000%			
46) 2-Hexanone-d5	8.088	63	76918	54.185	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 108.360%			
56) 1,1,2,2-Tetrachloroeth...	10.217	84	38080	5.294	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 105.800%			
66) 1,2-Dichlorobenzene-d4	11.625	152	56163	5.486	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 109.800%			
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	5962	0.679	ug/L	85
8) Chloroethane	1.311	64	2611	0.480	ug/L	94
12) 1,1-Dichloroethene	2.111	96	1144	0.163	ug/L #	1
13) Acetone	2.179	43	4863	4.166	ug/L #	52
17) Methyl tert-butyl Ether	2.767	73	14291	0.843	ug/L #	87
18) trans-1,2-Dichloroethene	2.764	96	12031	1.578	ug/L	93
19) 1,1-Dichloroethane	3.188	63	3128	0.228	ug/L #	94
22) cis-1,2-Dichloroethene	3.912	96	393185	49.119	ug/L	96
34) Trichloroethene	5.918	95	25885	2.934	ug/L	98
35) Methylcyclohexane	6.072	83	13054	1.056	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	5766	0.739	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1238	0.120	ug/L #	78
42) Toluene	7.391	91	40983	1.244	ug/L	100
47) Tetrachloroethene	7.976	164	105638	14.807	ug/L	99
48) 2-Hexanone	8.092	43	8623	2.813	ug/L #	68
49) Dibromochloromethane	7.976	129	91603	13.516	ug/L #	7
53) m,p-xylene	9.149	106	1711	0.130	ug/L	92
54) o-xylene	9.551	106	763	0.062	ug/L	91
61) 1,2,3-Trichloropropane	11.188	75	1160	0.302	ug/L #	56

Quantitation Report (Not Reviewed)

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Sample : M4137-08
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Oct 19 04:09:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 04:07:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
64) 1,3-Dichlorobenzene	11.188	146	3958	0.269	ug/L		95
65) 1,4-Dichlorobenzene	11.275	146	4572	0.306	ug/L		95
67) 1,2-Dichlorobenzene	11.645	146	4400	0.319	ug/L		96
68) 1,2-Dibromo-3-chloropr...	12.249	75	243	0.348	ug/L	#	1
70) 1,2,4-trichlorobenzene	13.262	180	792	0.093	ug/L		95
71) Naphthalene	13.513	128	693	0.051	ug/L	#	68

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

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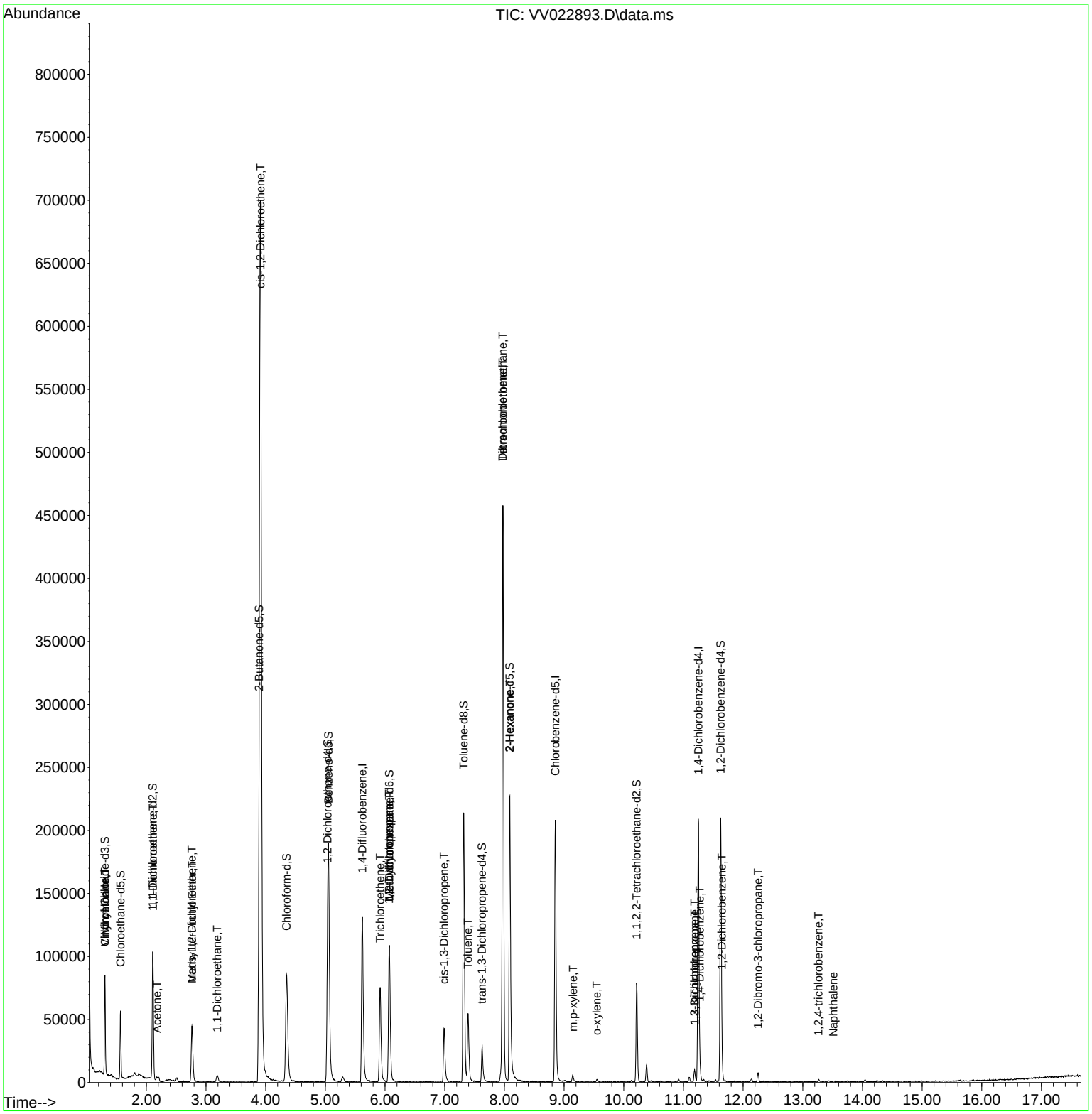
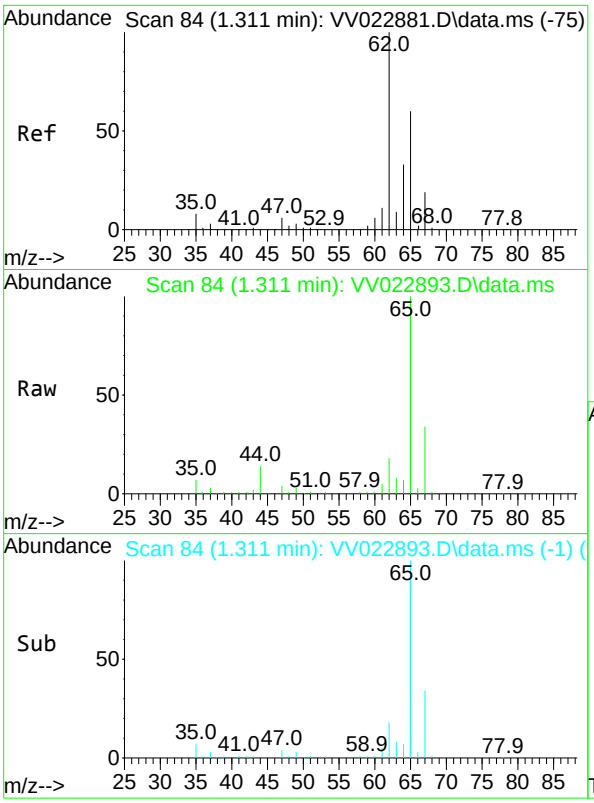
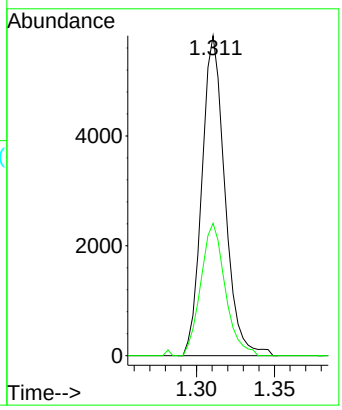




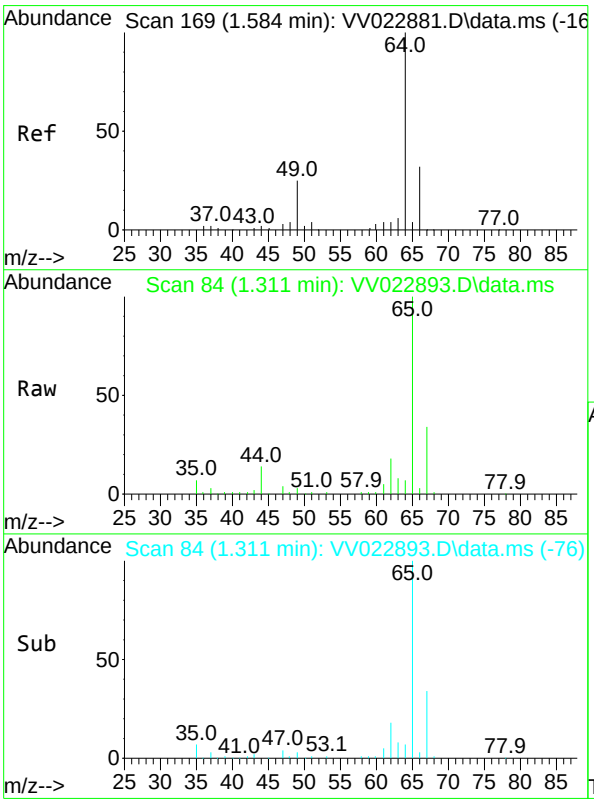
#5
Vinyl chloride
Concen: 0.679 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 62 Resp: 5962

Ion	Ratio	Lower	Upper
62	100		
64	41.4	23.0	42.8



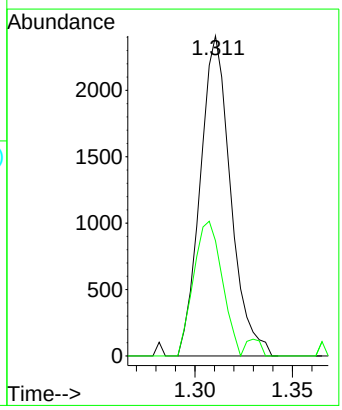
Instrument :
MSVOA_V
ClientSampleId :

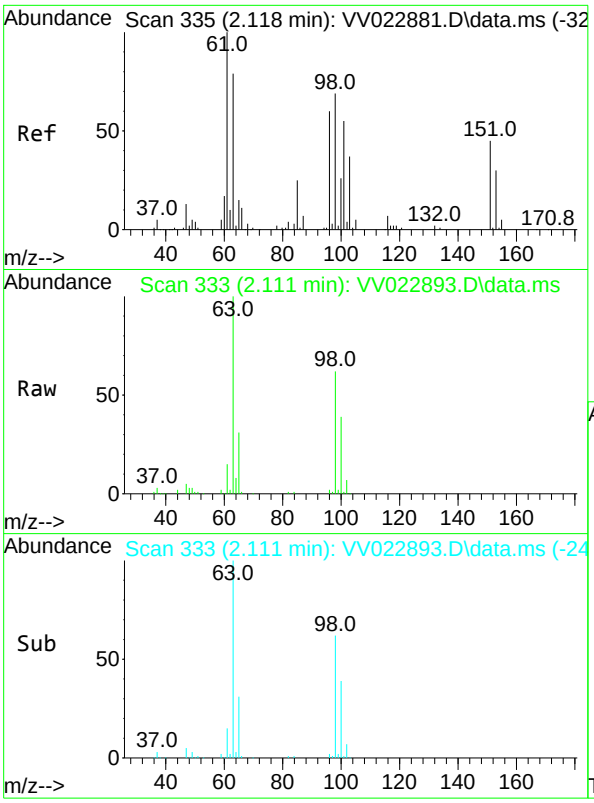


#8
Chloroethane
Concen: 0.480 ug/L
RT: 1.311 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 64 Resp: 2611

Ion	Ratio	Lower	Upper
64	100		
66	36.0	22.9	42.5

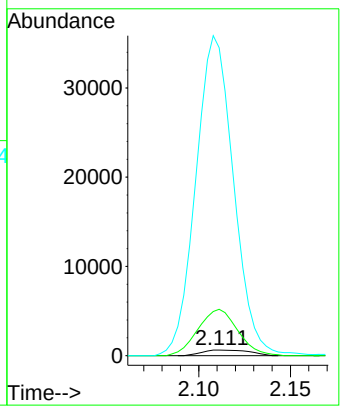




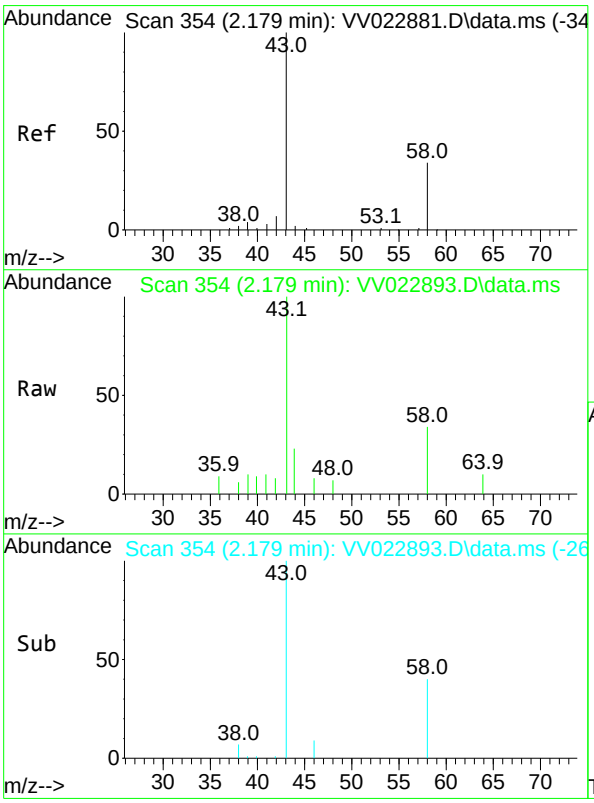
#12
1,1-Dichloroethene
Concen: 0.163 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 96 Resp: 1144

Ion	Ratio	Lower	Upper
96	100		
61	822.1	127.3	236.5#
63	5450.9	106.2	197.2#



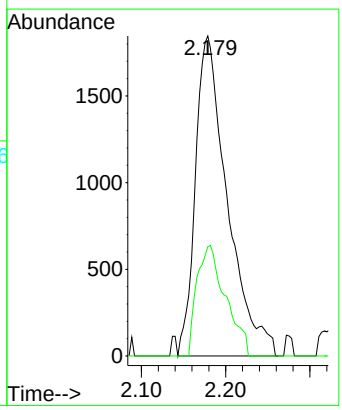
Instrument :
MSVOA_V
ClientSampleId :

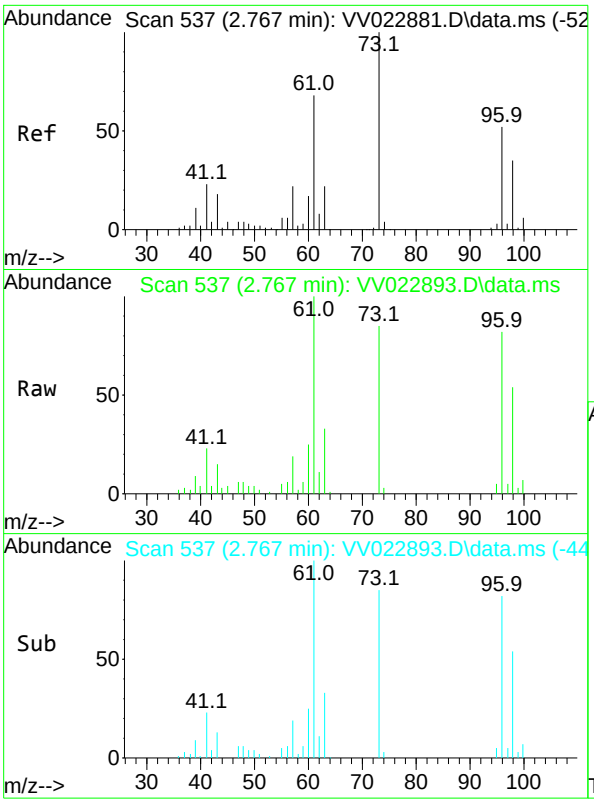


#13
Acetone
Concen: 4.166 ug/L
RT: 2.179 min Scan# 354
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 43 Resp: 4863

Ion	Ratio	Lower	Upper
43	100		
58	30.9	0.0	24.2#

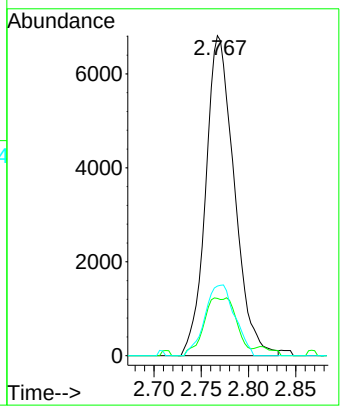




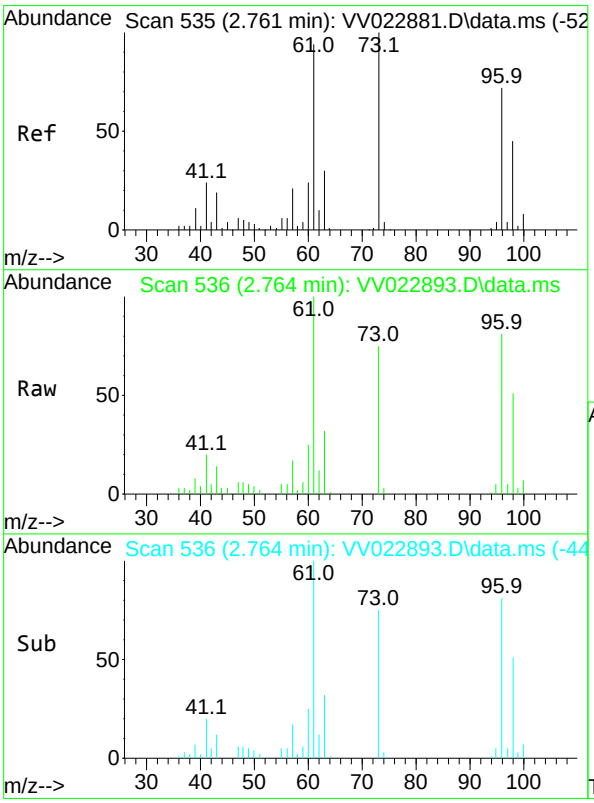
#17
Methyl tert-butyl Ether
Concen: 0.843 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 73 Resp: 14291

Ion	Ratio	Lower	Upper
73	100		
43	11.1	17.1	25.7#
57	23.2	17.2	25.8



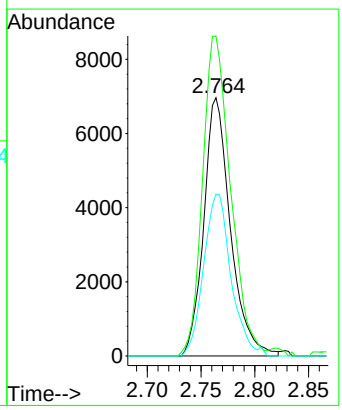
Instrument :
MSVOA_V
ClientSampleId :



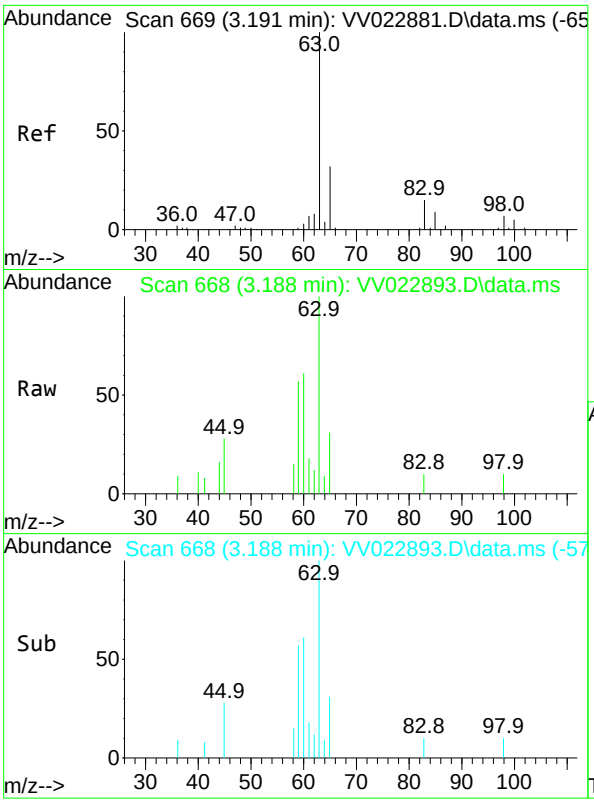
#18
trans-1,2-Dichloroethene
Concen: 1.578 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 96 Resp: 12031

Ion	Ratio	Lower	Upper
96	100		
61	123.9	94.5	175.5
98	62.7	44.2	82.0



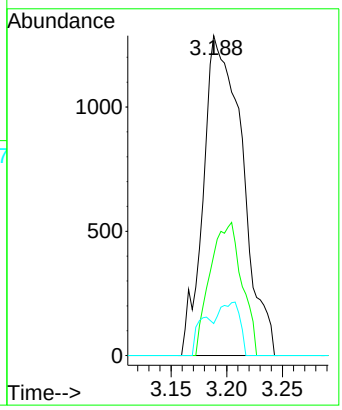
Instrument :
MSVOA_V
ClientSampleId :

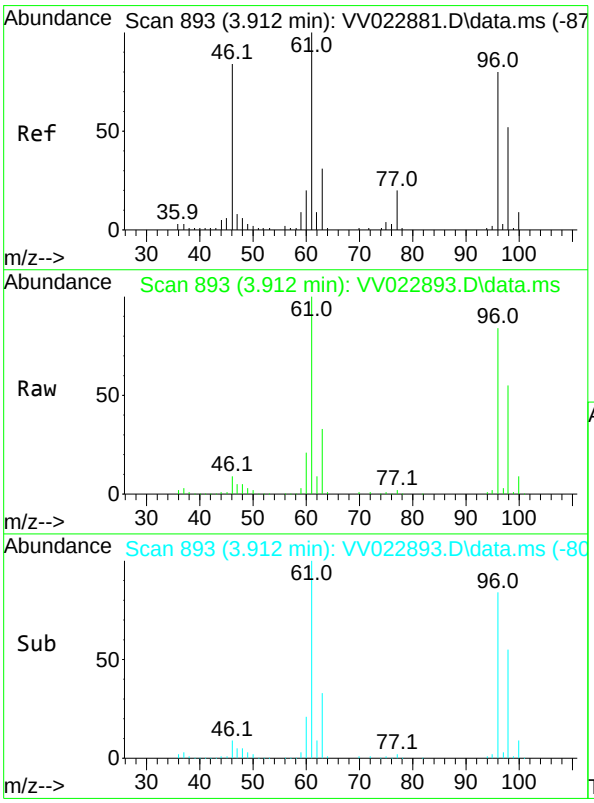


#19
1,1-Dichloroethane
Concen: 0.228 ug/L
RT: 3.188 min Scan# 668
Delta R.T. -0.003 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 63 Resp: 3128

Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.5	43.7
83	10.0	10.1	18.7#

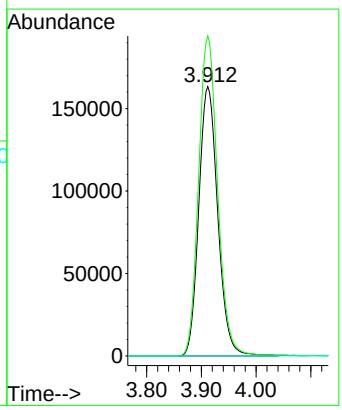




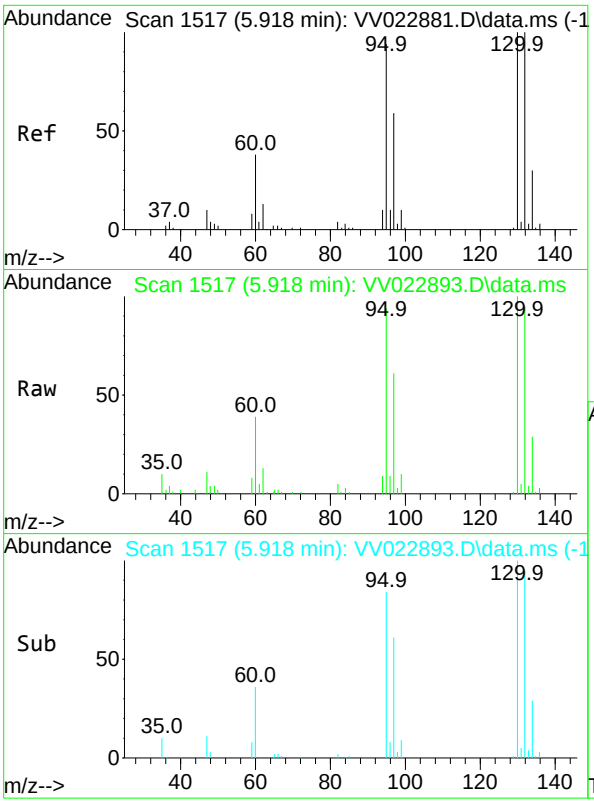
#22
cis-1,2-Dichloroethene
Concen: 49.119 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 96 Resp: 393185

Ion	Ratio	Lower	Upper
96	100		
61	118.8	86.0	159.6
68	0.0	0.0	0.0



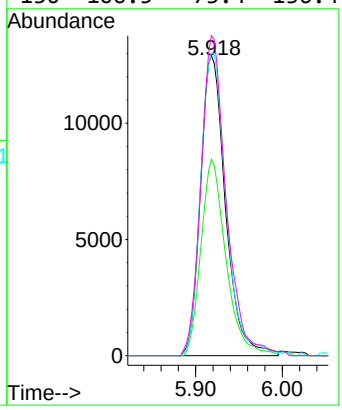
Instrument :
MSVOA_V
ClientSampleId :

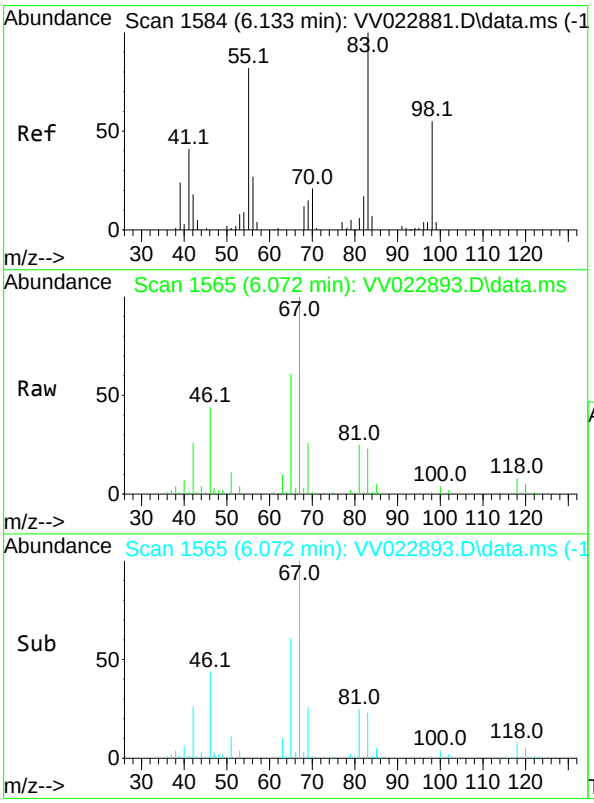


#34
Trichloroethene
Concen: 2.934 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 95 Resp: 25885

Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.8	85.2
132	100.6	72.2	134.0
130	106.5	73.4	136.4

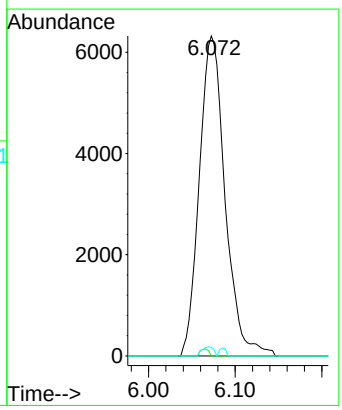




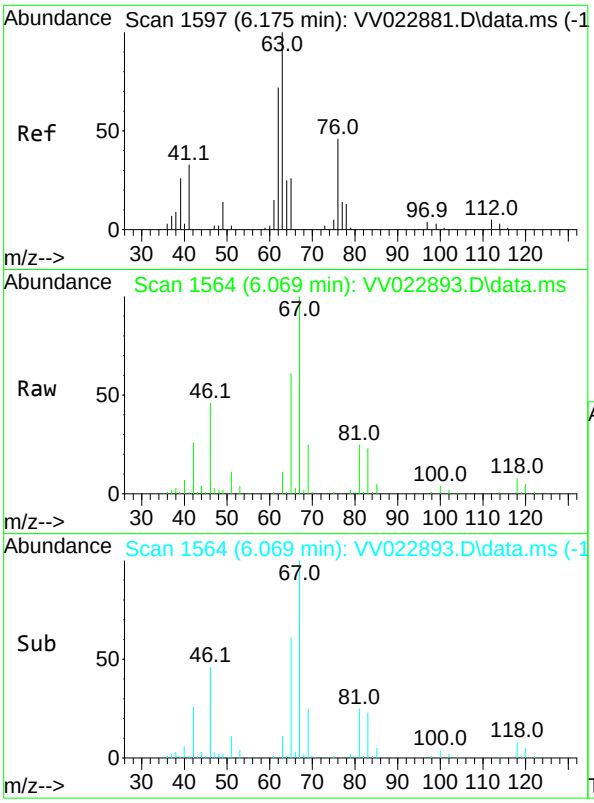
#35
Methylcyclohexane
Concen: 1.056 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 83 Resp: 13054

Ion	Ratio	Lower	Upper
83	100		
55	0.7	63.8	95.6#
98	1.3	42.1	63.1#



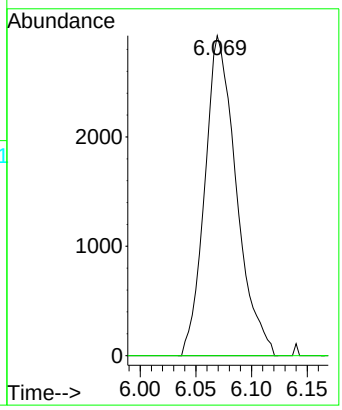
Instrument :
MSVOA_V
ClientSampleId :

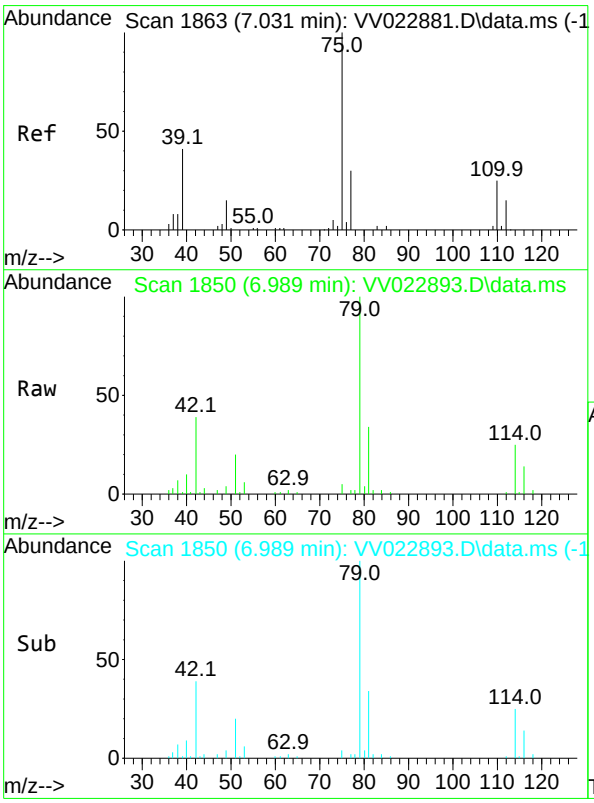


#37
1,2-Dichloropropane
Concen: 0.739 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.106 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 63 Resp: 5766

Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.4	6.6#

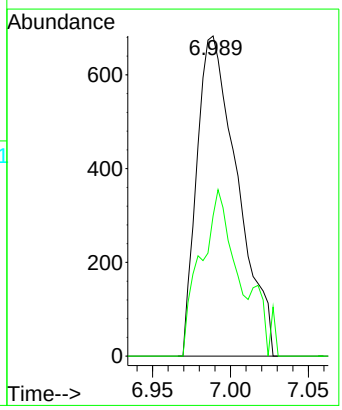




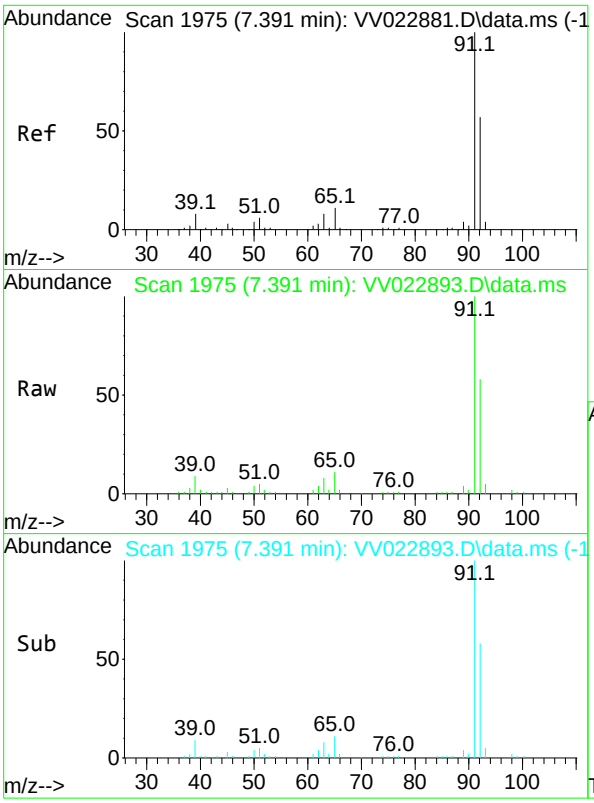
#39
cis-1,3-Dichloropropene
Concen: 0.120 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 75 Resp: 1238

Ion	Ratio	Lower	Upper
75	100		
77	43.8	22.3	41.3#



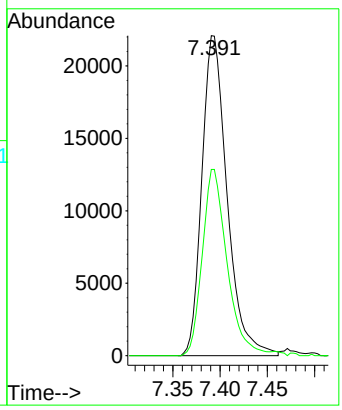
Instrument :
MSVOA_V
ClientSampleId :

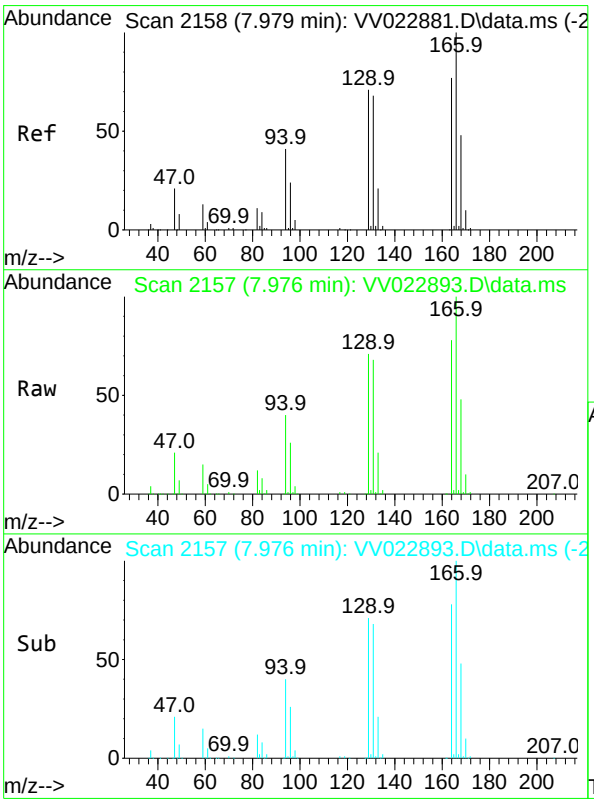


#42
Toluene
Concen: 1.244 ug/L
RT: 7.391 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 91 Resp: 40983

Ion	Ratio	Lower	Upper
91	100		
92	58.2	40.7	75.7

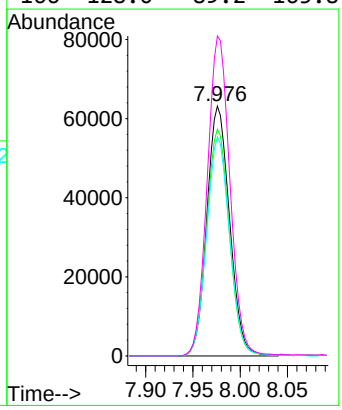


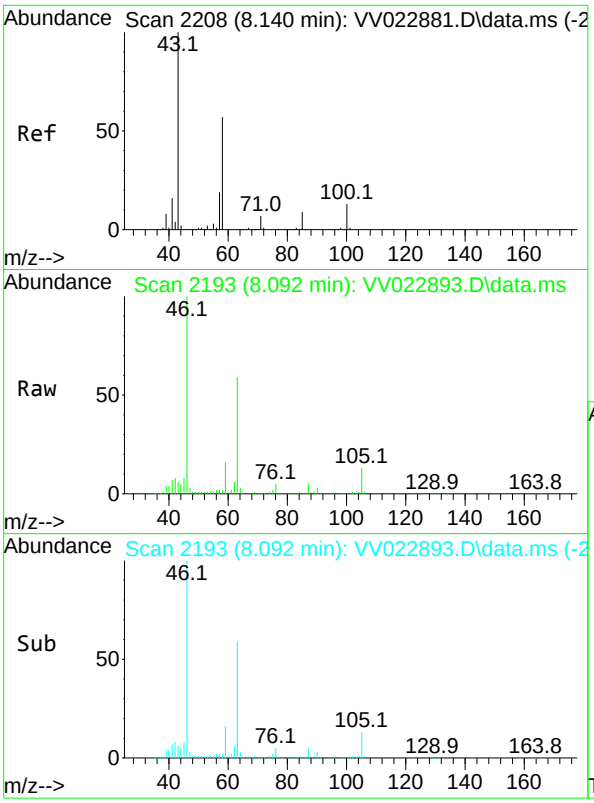


#47
Tetrachloroethene
Concen: 14.807 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:164 Resp: 105638

Ion	Ratio	Lower	Upper
164	100		
129	90.7	65.0	120.6
131	87.7	62.2	115.4
166	128.0	89.2	165.8

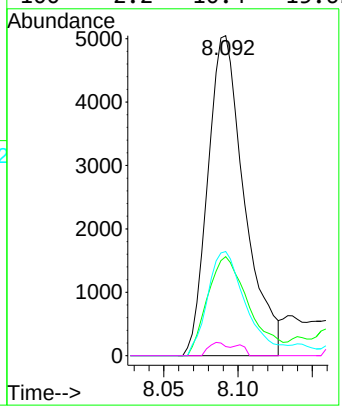




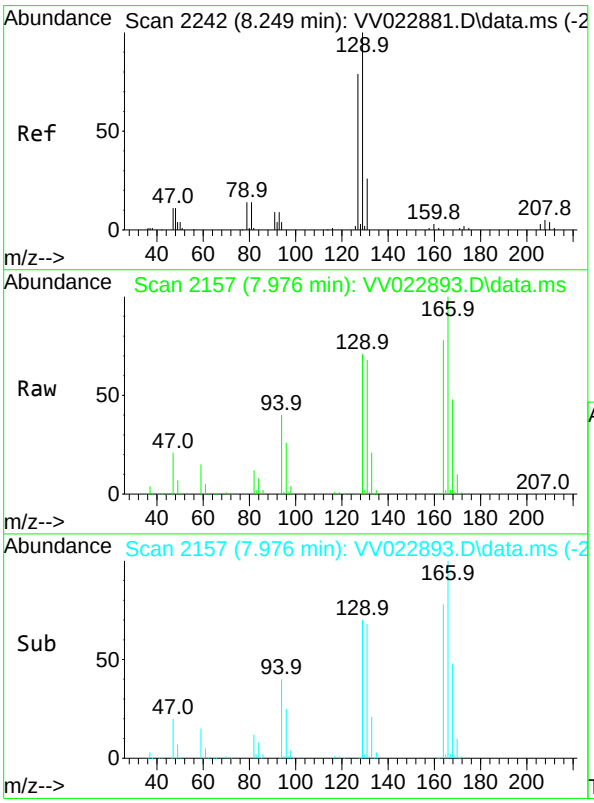
#48
2-Hexanone
Concen: 2.813 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.048 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 43 Resp: 8623

Ion	Ratio	Lower	Upper
43	100		
58	35.2	47.4	71.0#
57	34.3	15.3	22.9#
100	2.2	10.4	15.6#



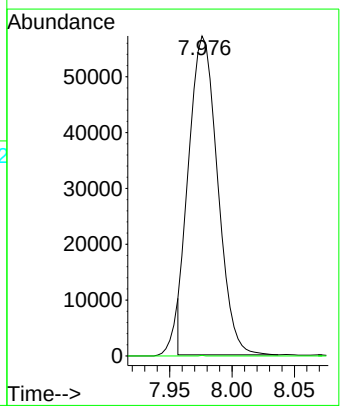
Instrument :
MSVOA_V
ClientSampleId :

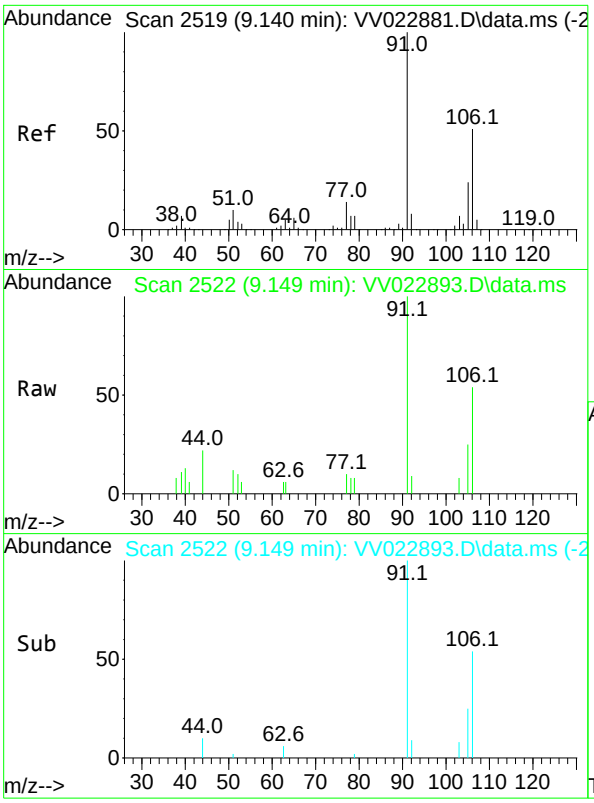


#49
Dibromochloromethane
Concen: 13.516 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.273 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:129 Resp: 91603

Ion	Ratio	Lower	Upper
129	100		
127	0.2	59.1	109.9#

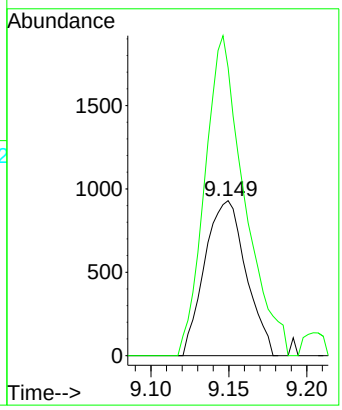




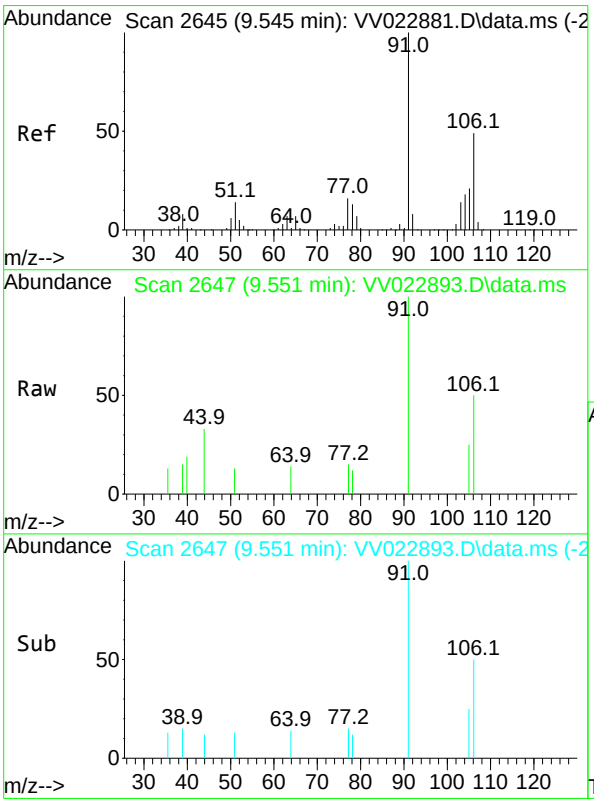
#53
m,p-xylene
Concen: 0.130 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.010 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:106 Resp: 1711

Ion	Ratio	Lower	Upper
106	100		
91	185.7	138.7	257.5



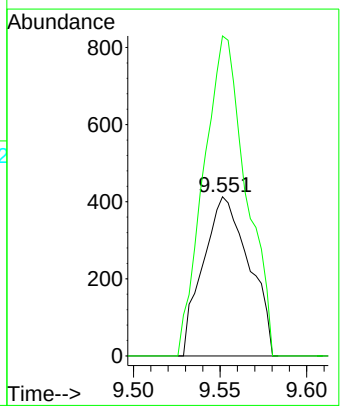
Instrument :
MSVOA_V
ClientSampleId :

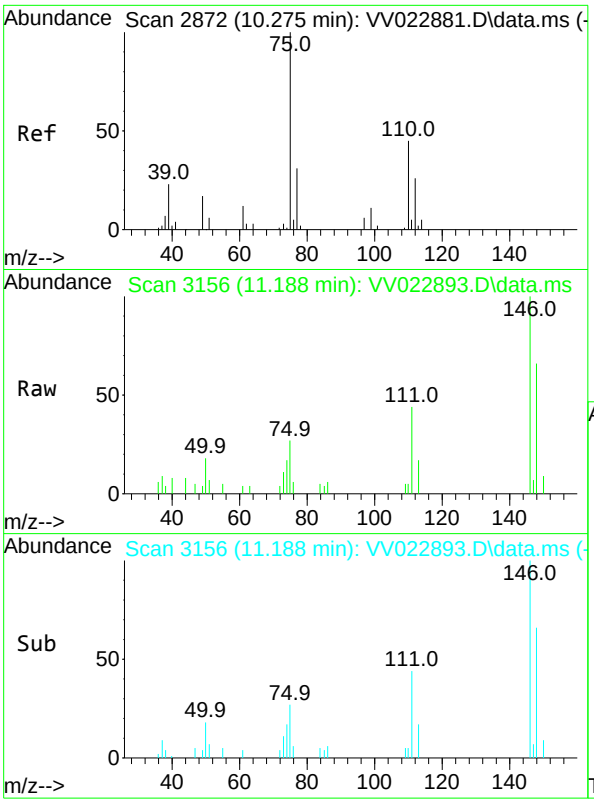


#54
o-xylene
Concen: 0.062 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.006 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:106 Resp: 763

Ion	Ratio	Lower	Upper
106	100		
91	201.0	151.1	280.7

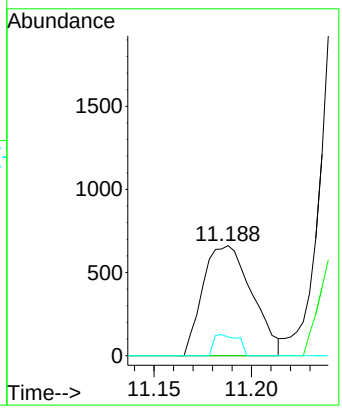




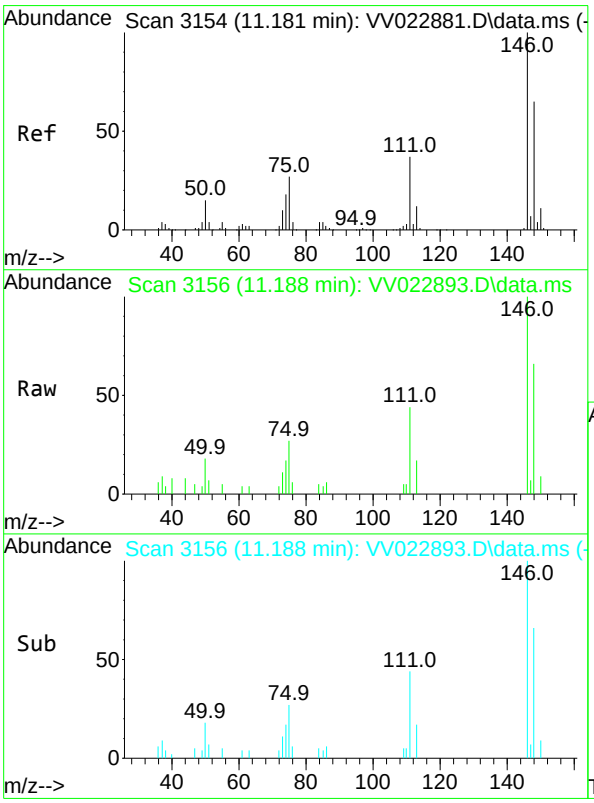
#61
1,2,3-Trichloropropane
Concen: 0.302 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.913 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 75 Resp: 1160

Ion	Ratio	Lower	Upper
75	100		
77	13.3	25.4	38.2#
110	9.6	34.2	51.4#



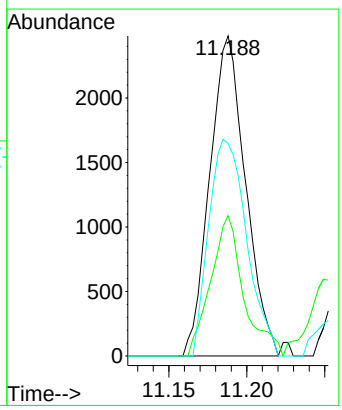
Instrument :
MSVOA_V
ClientSampleId :



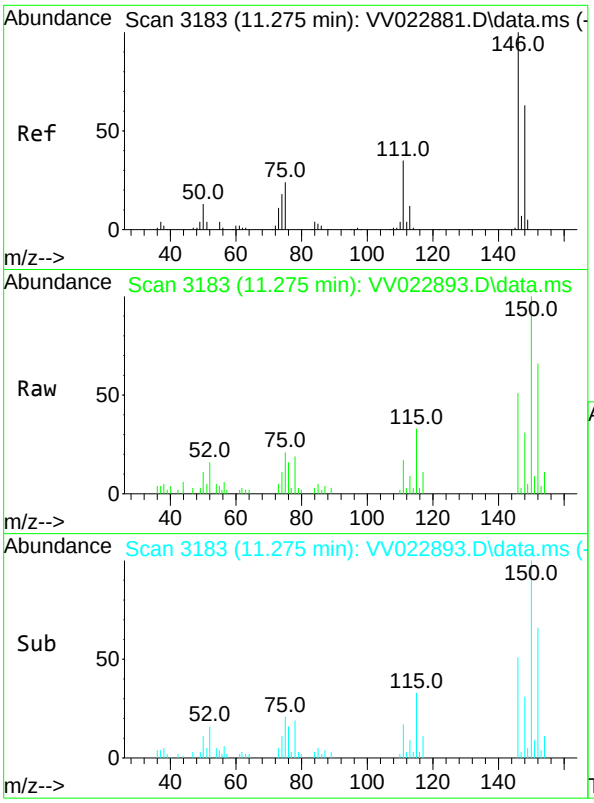
#64
1,3-Dichlorobenzene
Concen: 0.269 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:146 Resp: 3958

Ion	Ratio	Lower	Upper
146	100		
111	43.9	26.7	49.5
148	66.4	45.1	83.9



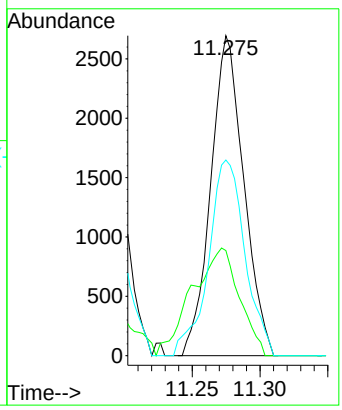
Instrument :
MSVOA_V
ClientSampleId :

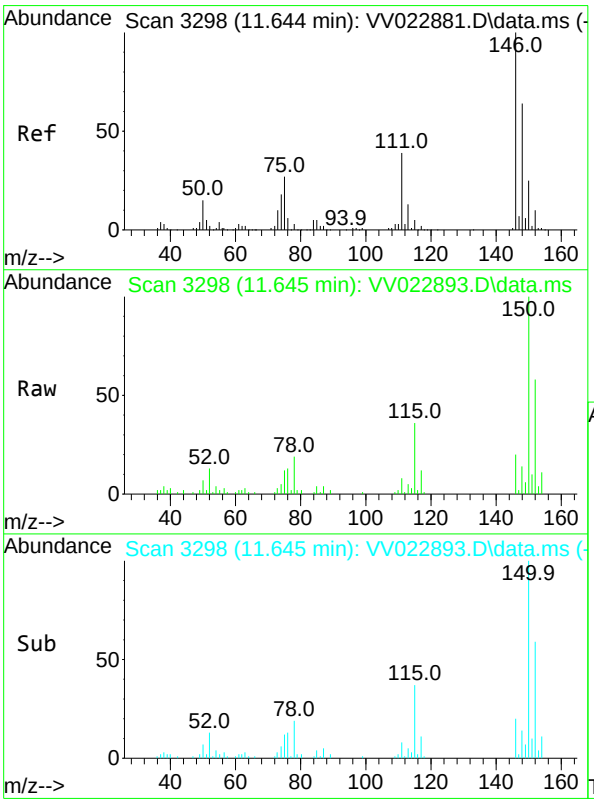


#65
1,4-Dichlorobenzene
Concen: 0.306 ug/L
RT: 11.275 min Scan# 3183
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:146 Resp: 4572

Ion	Ratio	Lower	Upper
146	100		
111	32.8	25.6	47.4
148	61.2	44.9	83.5

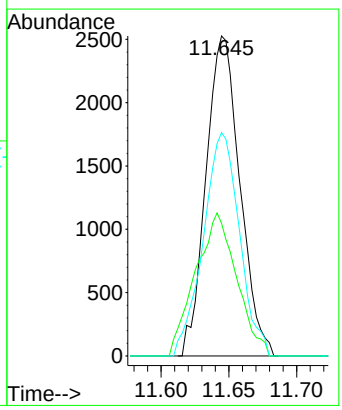




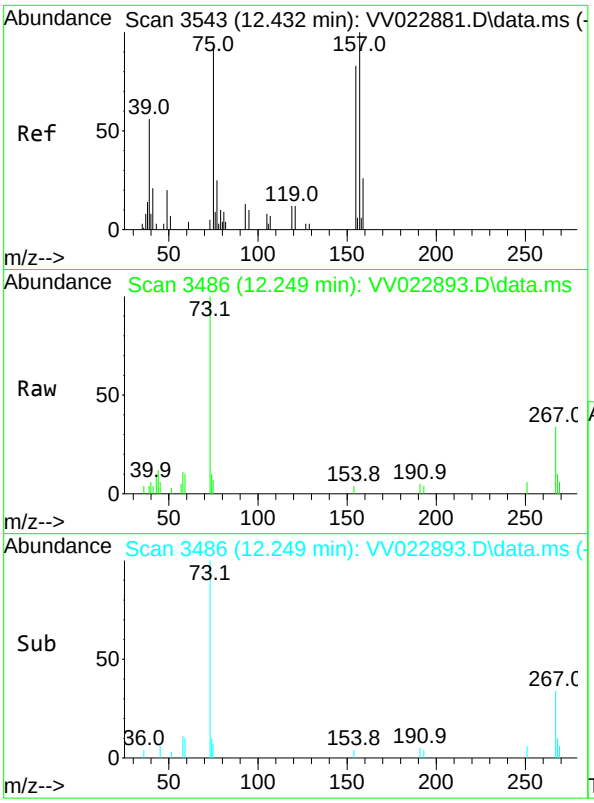
#67
1,2-Dichlorobenzene
Concen: 0.319 ug/L
RT: 11.645 min Scan# 3298
Delta R.T. 0.000 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:146 Resp: 4400

Ion	Ratio	Lower	Upper
146	100		
111	41.4	32.3	48.5
148	69.8	52.1	78.1



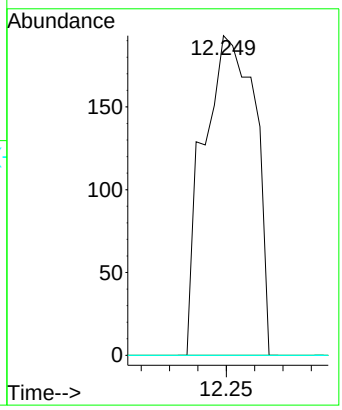
Instrument :
MSVOA_V
ClientSampleId :

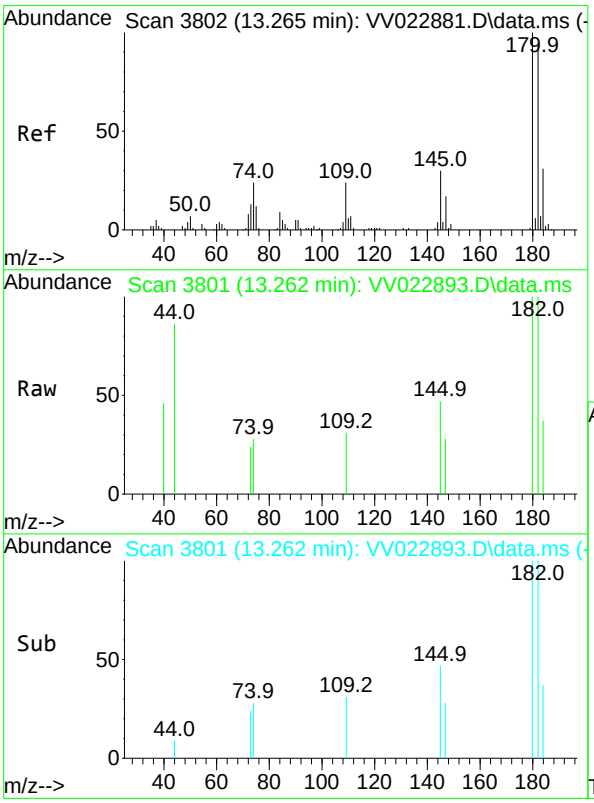


#68
1,2-Dibromo-3-chloropropane
Concen: 0.348 ug/L
RT: 12.249 min Scan# 3486
Delta R.T. -0.183 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion: 75 Resp: 243

Ion	Ratio	Lower	Upper
75	100		
155	0.0	82.4	123.6#
157	0.0	114.1	171.1#

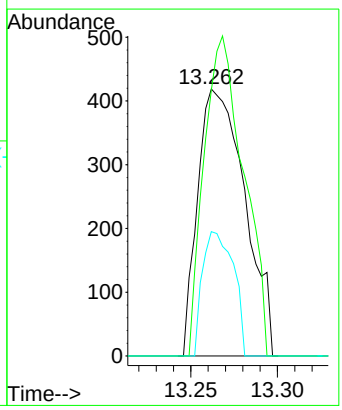


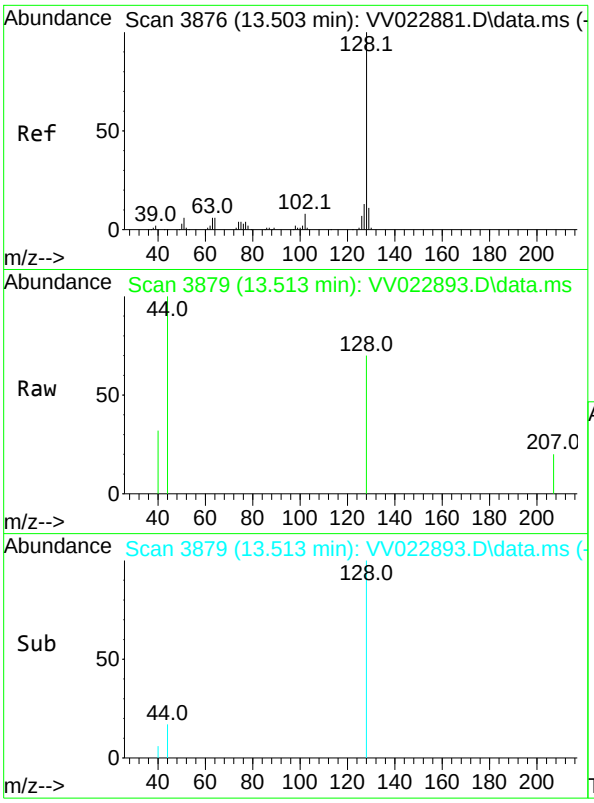


#70
1,2,4-trichlorobenzene
Concen: 0.093 ug/L
RT: 13.262 min Scan# 3801
Delta R.T. -0.003 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:180 Resp: 792

Ion	Ratio	Lower	Upper
180	100		
182	100.8	76.0	114.0
145	30.6	24.1	36.1

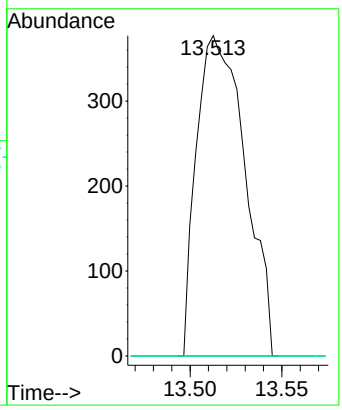




#71
Naphthalene
Concen: 0.051 ug/L
RT: 13.513 min Scan# 3879
Delta R.T. 0.010 min
Lab File: VV022893.D
Acq: 19 Oct 2021 02:17

Tgt Ion:128 Resp: 693

Ion	Ratio	Lower	Upper
128	100		
129	0.0	9.3	13.9#
127	0.0	10.8	16.2#



Instrument :
MSVOA_V
ClientSampleId :