Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV121323\
Data File : VV033292.D
Acq On : 13 Dec 2023 21:32
Operator : SY/MD
Sample : 05731-18
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Quant Time: Dec 13 23:37:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 23:30:39 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	124650	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	125934	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	62466	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	39198	4.905	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 98.200%			
7) Chloroethane-d5	1.532	69	30946	5.207	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 104.200%			
11) 1,1-Dichloroethene-d2	2.060	65	15134	4.759	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 95.200%			
20) 2-Butanone-d5	3.805	46	52216	55.218	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 110.440%			
24) Chloroform-d	4.249	84	88060	5.284	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 105.600%			
26) 1,2-Dichloroethane-d4	4.947	65	41142	5.681	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 113.600%			
32) Benzene-d6	4.960	84	168423	5.170	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.400%			
36) 1,2-Dichloropropane-d6	5.989	67	39436	5.318	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 106.400%			
41) Toluene-d8	7.243	98	155825	4.909	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.200%			
43) trans-1,3-Dichloroprop...	7.558	79	16169	4.780	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 95.600%			
46) 2-Hexanone-d5	8.030	63	54682	57.903	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 115.800%			
56) 1,1,2,2-Tetrachloroeth...	10.156	84	27112	5.406	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 108.200%			
66) 1,2-Dichlorobenzene-d4	11.561	152	63846	5.803	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 116.000%			
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	2889	0.321	ug/L #	65
14) Carbon disulfide	2.243	76	4008	0.172	ug/L	97
22) cis-1,2-Dichloroethene	3.818	96	2287	0.256	ug/L	95
30) Cyclohexane	4.580	56	2121	0.190	ug/L #	92
33) Benzene	5.014	78	7116	0.211	ug/L	100
34) Trichloroethene	5.834	95	28437	2.890	ug/L	98
35) Methylcyclohexane	6.050	83	2662	0.183	ug/L #	86
42) Toluene	7.323	91	20110	0.520	ug/L	100
47) Tetrachloroethene	7.908	164	1420	0.152	ug/L #	76
52) Ethylbenzene	8.953	91	5520	0.127	ug/L	99
53) m,p-Xylene	9.082	106	2896	0.162	ug/L	81
54) o-Xylene	9.487	106	1307	0.077	ug/L	95
63) 1,2,4-Trimethylbenzene	10.860	105	2958	0.088	ug/L	96

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

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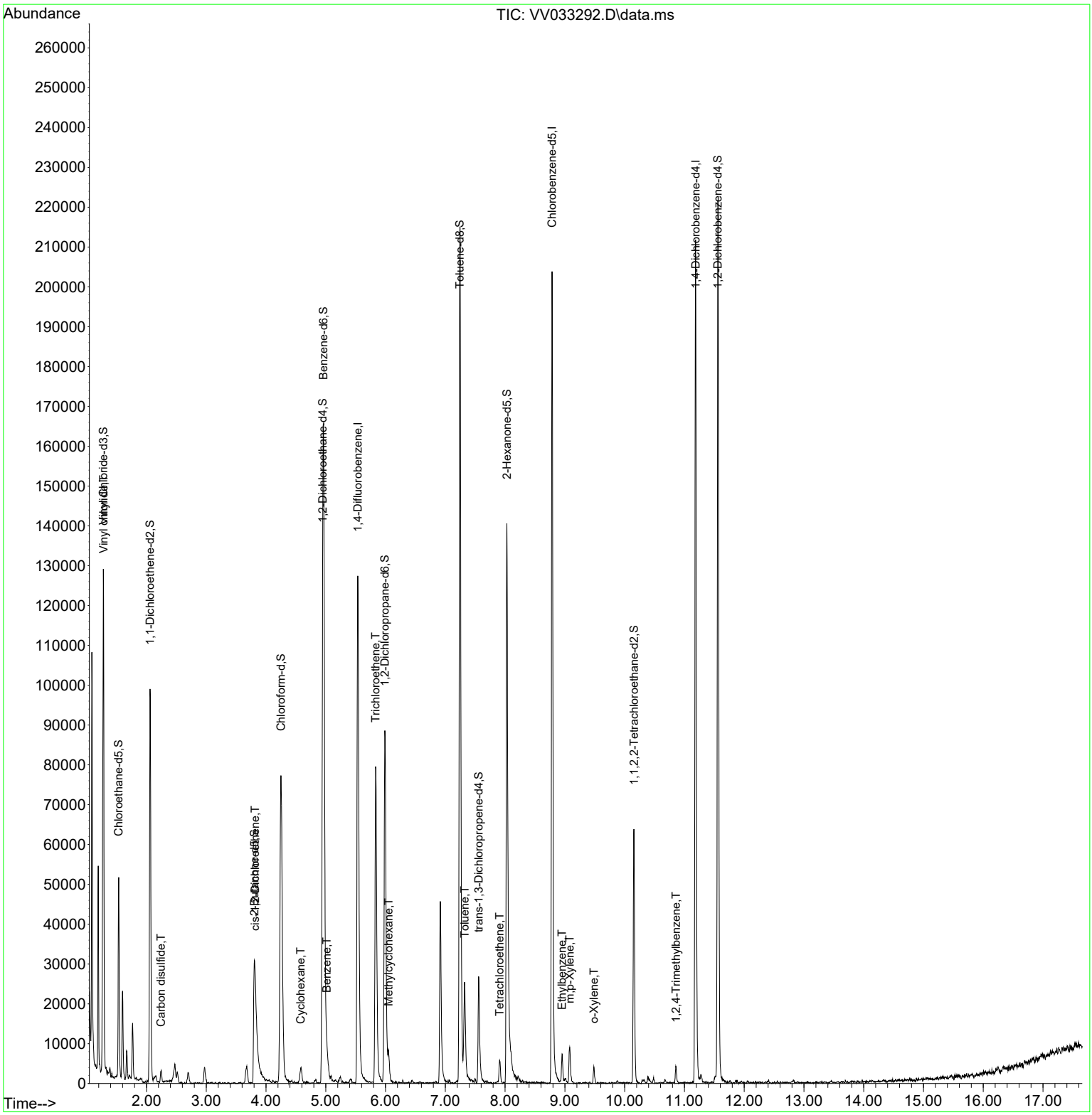
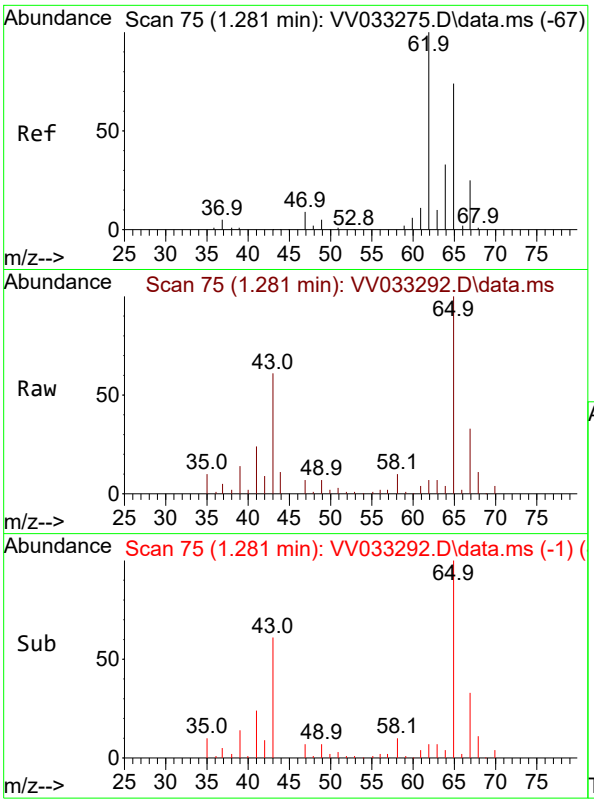
Quant Time: Dec 13 23:37:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR121323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 23:30:39 2023
Response via : Initial Calibration



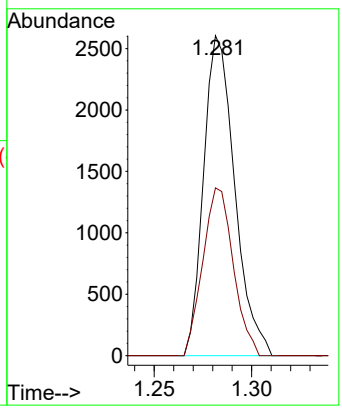


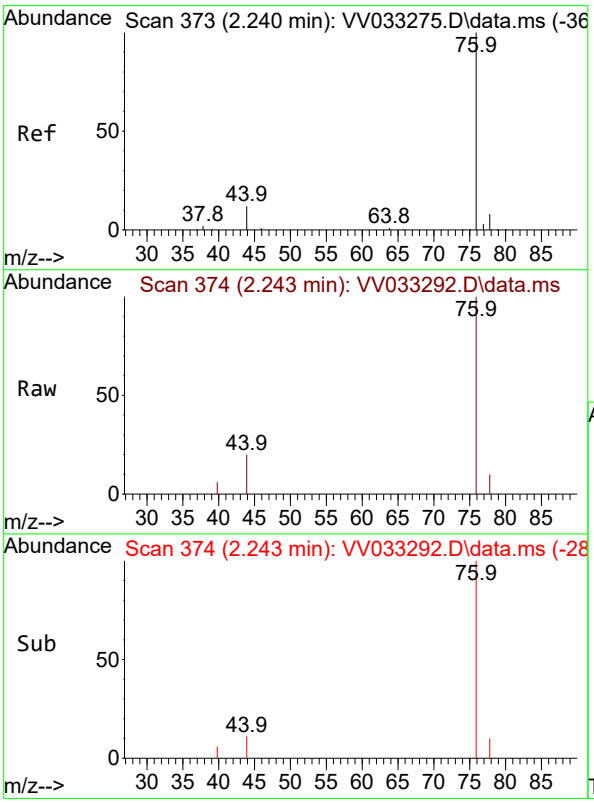
#5
Vinyl chloride
Concen: 0.321 ug/L
RT: 1.281 min Scan# 7
Delta R.T. 0.000 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Tgt Ion: 62 Resp: 2889

Ion	Ratio	Lower	Upper
62	100		
64	52.4	23.0	42.8#

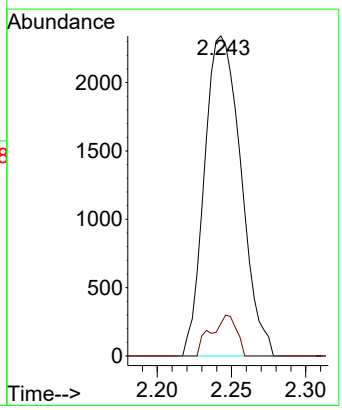


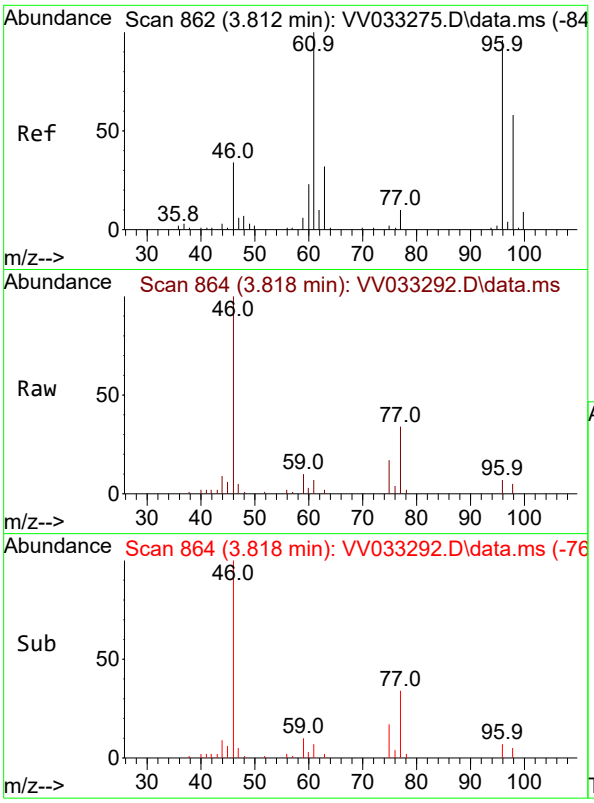


#14
Carbon disulfide
Concen: 0.172 ug/L
RT: 2.243 min Scan# 374
Delta R.T. 0.003 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion: 76 Resp: 4008

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.4	11.0



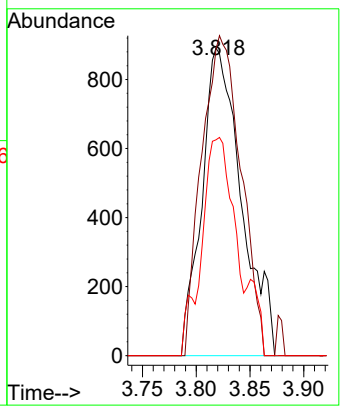


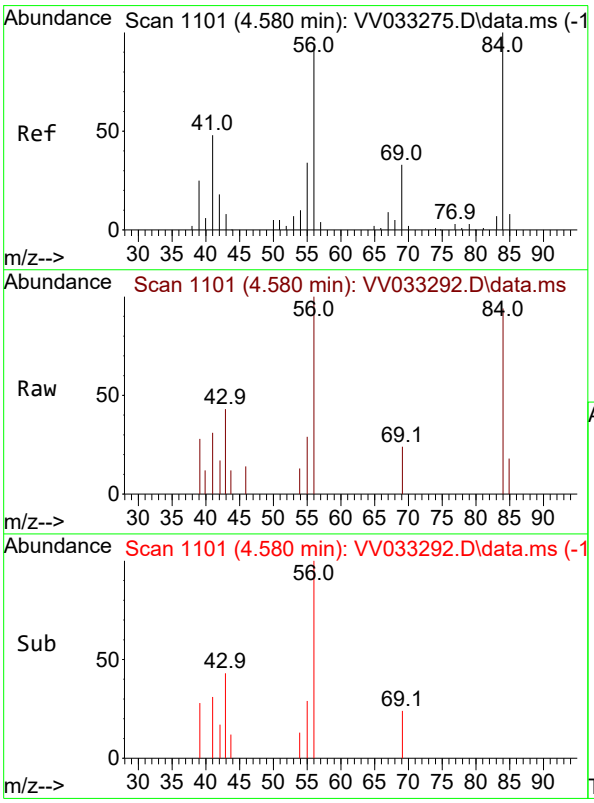
#22
cis-1,2-Dichloroethene
Concen: 0.256 ug/L
RT: 3.818 min Scan# 8
Delta R.T. 0.006 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Tgt Ion: 96 Resp: 2287

Ion	Ratio	Lower	Upper
96	100		
61	99.6	69.9	129.9
98	70.1	42.4	78.8

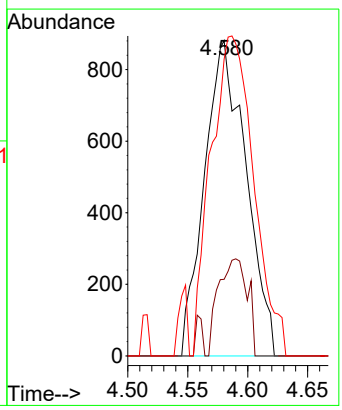


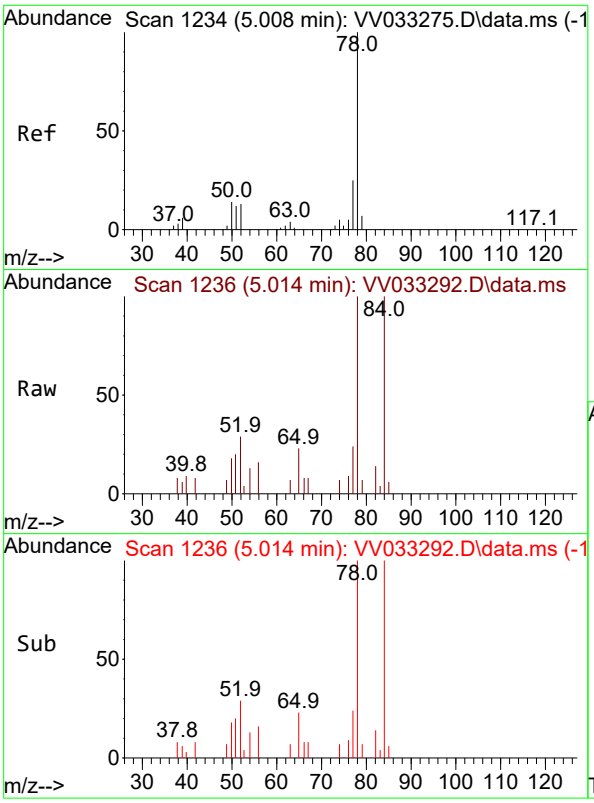


#30
Cyclohexane
Concen: 0.190 ug/L
RT: 4.580 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion: 56 Resp: 2121

Ion	Ratio	Lower	Upper
56	100		
69	21.5	28.8	43.2#
84	104.8	86.2	129.4

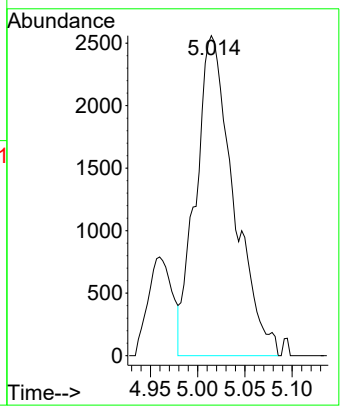


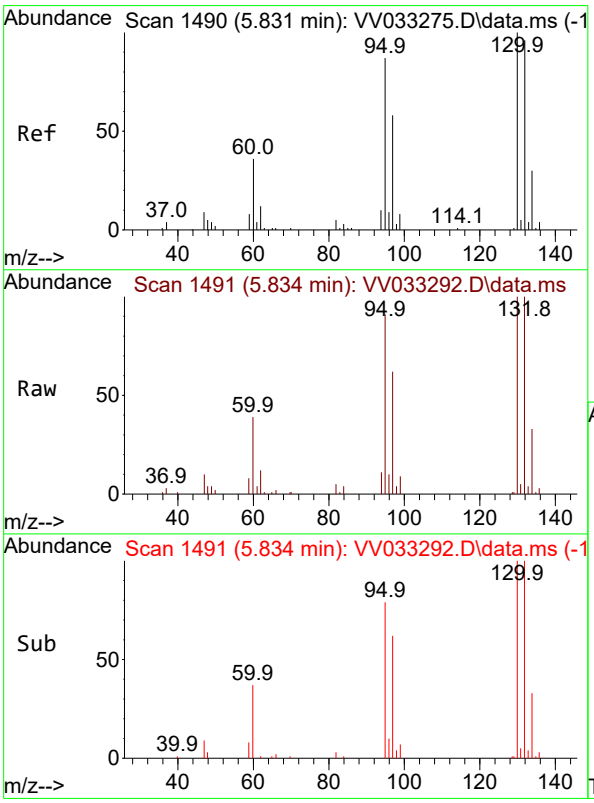


#33
Benzene
Concen: 0.211 ug/L
RT: 5.014 min Scan# 1
Delta R.T. 0.006 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Tgt Ion: 78 Resp: 7116

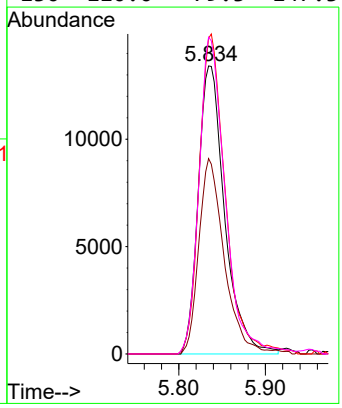


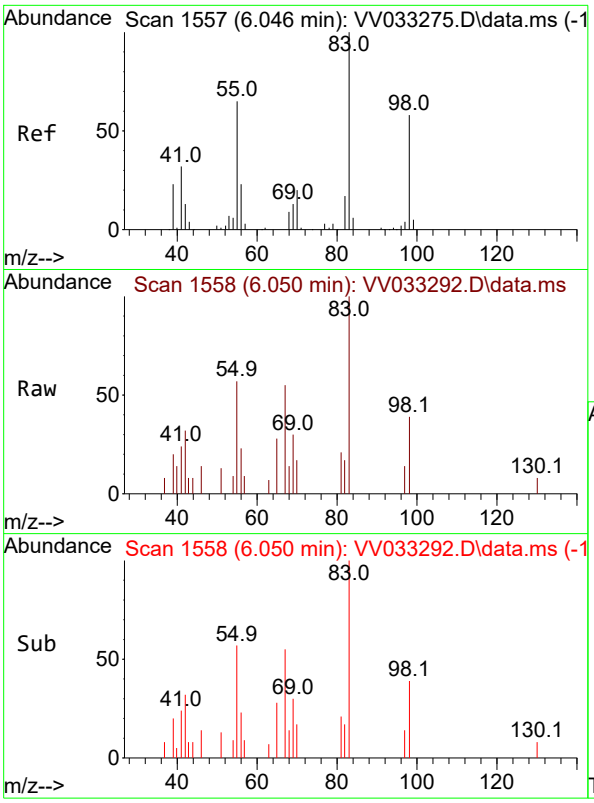


#34
Trichloroethene
Concen: 2.890 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion: 95 Resp: 28437

Ion	Ratio	Lower	Upper
95	100		
97	67.8	46.5	86.5
132	109.6	75.1	139.5
130	110.0	79.3	147.3



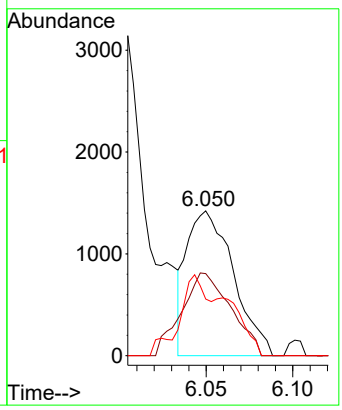


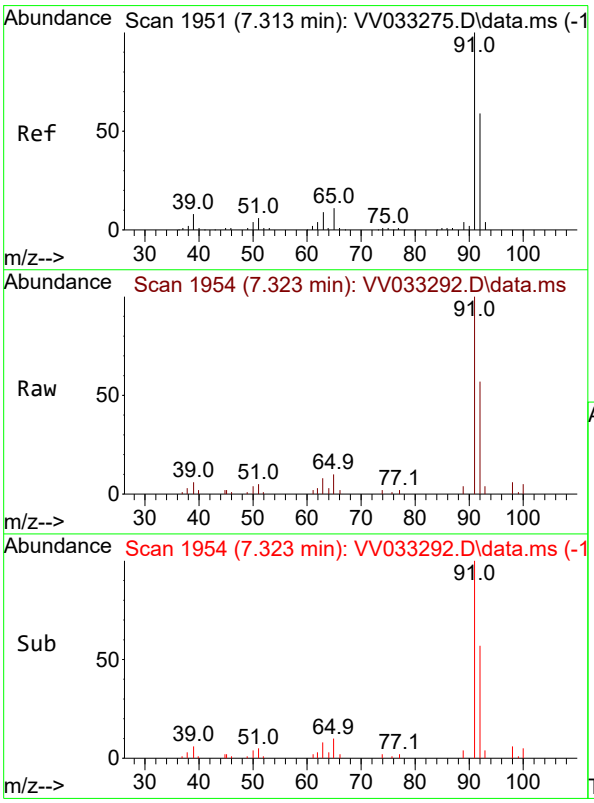
#35
Methylcyclohexane
Concen: 0.183 ug/L
RT: 6.050 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Tgt Ion: 83 Resp: 2662

Ion	Ratio	Lower	Upper
83	100		
55	60.3	50.7	76.1
98	33.8	42.4	63.6#

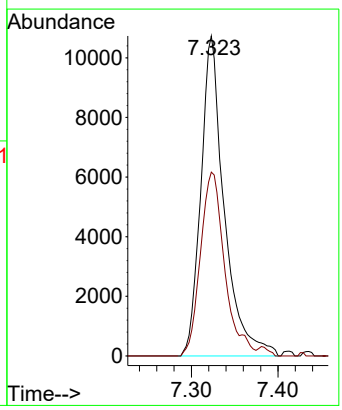


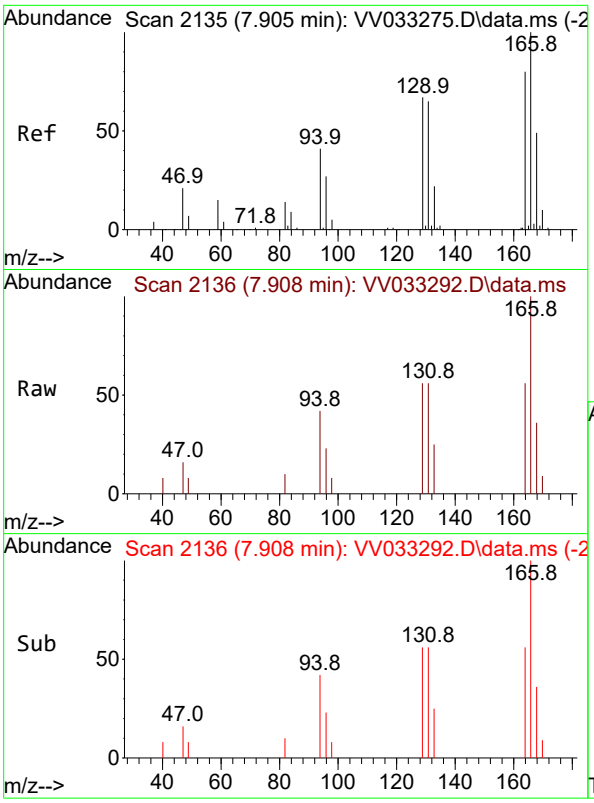


#42
Toluene
Concen: 0.520 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. 0.010 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion: 91 Resp: 20110

Ion	Ratio	Lower	Upper
91	100		
92	57.5	40.2	74.6



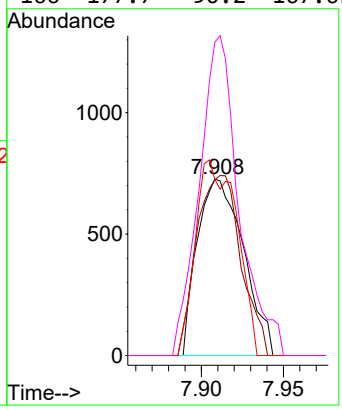


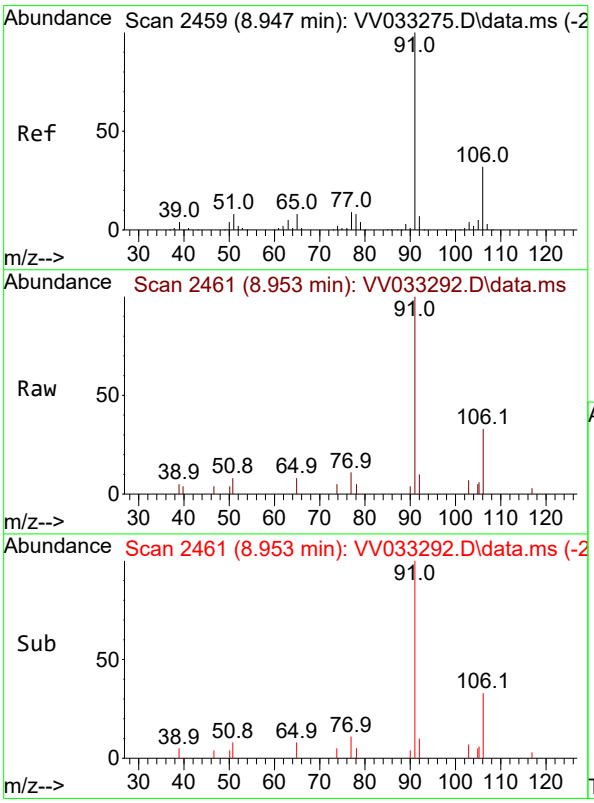
#47
Tetrachloroethene
Concen: 0.152 ug/L
RT: 7.908 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Tgt Ion:164 Resp: 1420

Ion	Ratio	Lower	Upper
164	100		
129	99.7	62.6	116.3
131	99.9	62.6	116.3
166	177.7	90.2	167.6#

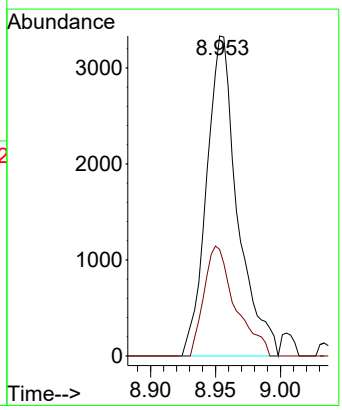


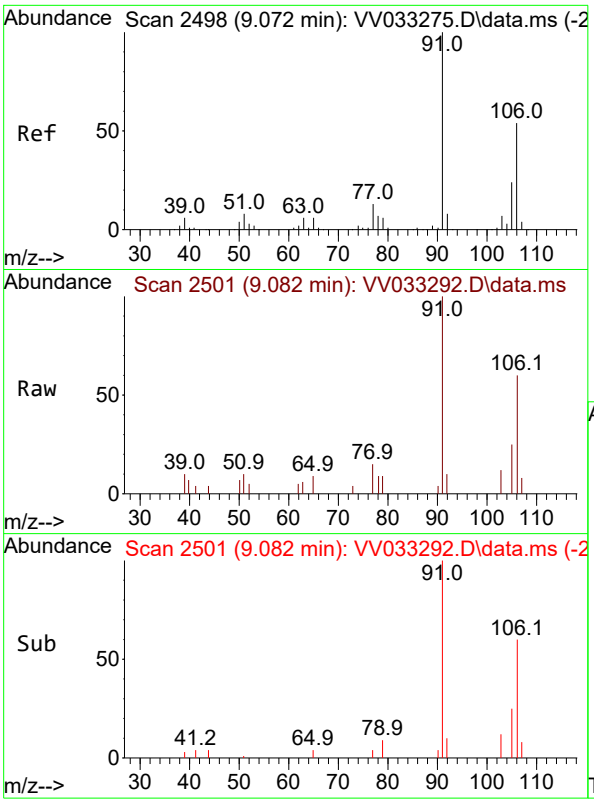


#52
Ethylbenzene
Concen: 0.127 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.006 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion: 91 Resp: 5520

Ion	Ratio	Lower	Upper
91	100		
106	33.3	22.7	42.3



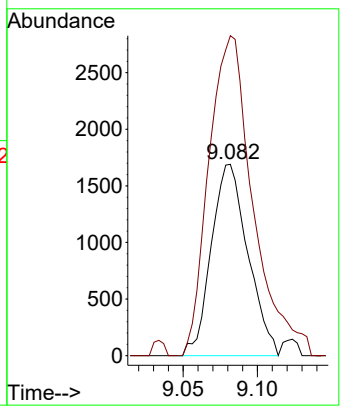


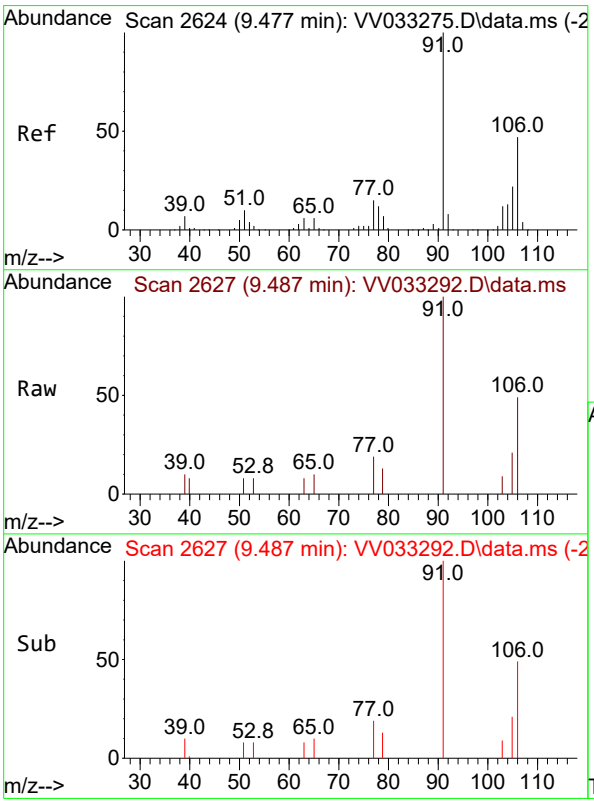
#53
m,p-Xylene
Concen: 0.162 ug/L
RT: 9.082 min Scan# 2
Delta R.T. 0.010 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Tgt Ion:106 Resp: 2896

Ion	Ratio	Lower	Upper
106	100		
91	167.2	136.8	254.0

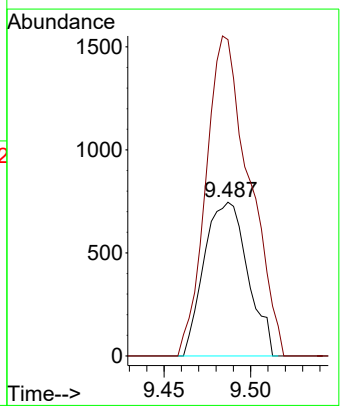


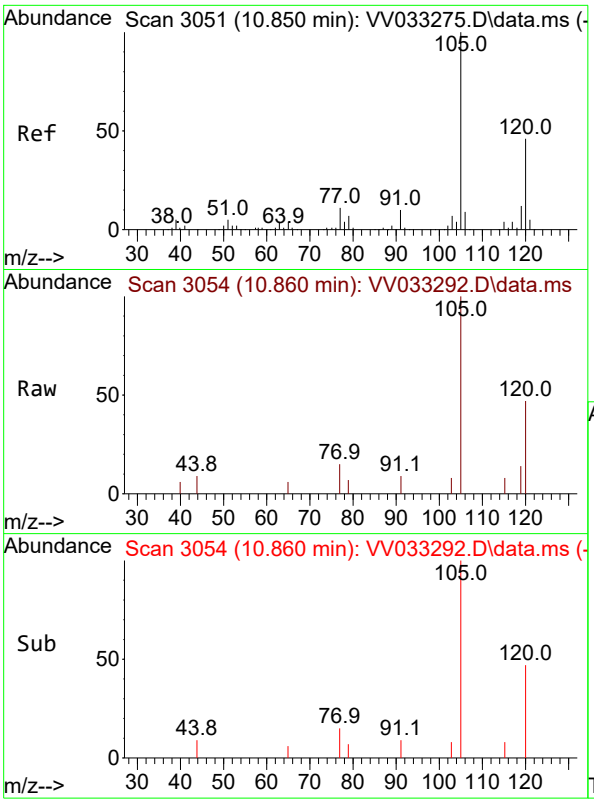


#54
o-Xylene
Concen: 0.077 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.010 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Tgt Ion:106 Resp: 1307

Ion	Ratio	Lower	Upper
106	100		
91	205.8	149.9	278.5





#63
1,2,4-Trimethylbenzene
Concen: 0.088 ug/L
RT: 10.860 min Scan# 3
Delta R.T. 0.010 min
Lab File: VV033292.D
Acq: 13 Dec 2023 21:32

Instrument :
MSVOA_V
ClientSampleId :
E0Y64

Tgt Ion:105 Resp: 2958

Ion	Ratio	Lower	Upper
105	100		
120	44.8	38.1	57.1