Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111522\
Data File : VV028992.D
Acq On : 15 Nov 2022 16:32
Operator : SY/MD
Sample : N5628-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Quant Time: Nov 16 03:20:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 16 03:16:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	271932	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	249164	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	116410	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	49342	2.976	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 59.600%			
7) Chloroethane-d5	1.568	69	54962	3.771	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 75.400%			
11) 1,1-Dichloroethene-d2	2.105	63	80107	2.652	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 53.000%#			
20) 2-Butanone-d5	3.886	46	186904	67.349	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 134.700%#			
24) Chloroform-d	4.342	84	152686	4.486	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.800%			
26) 1,2-Dichloroethane-d4	5.027	65	74004	4.832	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 96.600%			
32) Benzene-d6	5.047	84	303520	4.081	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 81.600%			
36) 1,2-Dichloropropane-d6	6.066	67	94140	4.533	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 90.600%			
41) Toluene-d8	7.310	98	256680	3.834	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 76.600%			
43) trans-1,3-Dichloroprop...	7.619	79	26435	3.903	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 78.000%			
46) 2-Hexanone-d5	8.088	63	155546	53.800	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 107.600%			
56) 1,1,2,2-Tetrachloroeth...	10.210	84	73512	5.106	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 102.200%			
66) 1,2-Dichlorobenzene-d4	11.615	152	100297	4.816	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 96.400%			
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	119764	5.581	ug/L	96
12) 1,1-Dichloroethene	2.117	96	6772	0.411	ug/L #	1
18) trans-1,2-Dichloroethene	2.760	96	8342	0.437	ug/L	96
19) 1,1-Dichloroethane	3.191	63	3851	0.123	ug/L	98
22) cis-1,2-Dichloroethene	3.902	96	1739777	89.632	ug/L	96
30) Cyclohexane	4.670	56	2645	0.089	ug/L #	68
33) Benzene	5.104	78	5445	0.072	ug/L	100
34) Trichloroethene	5.908	95	3187887	163.543	ug/L	99
35) Methylcyclohexane	6.120	83	3361	0.098	ug/L #	68
40) 4-Methyl-2-pentanone	7.239	43	7766	1.028	ug/L #	78
42) Toluene	7.381	91	665674	8.093	ug/L	100
47) Tetrachloroethene	7.972	164	1768	0.113	ug/L #	82
52) Ethylbenzene	9.014	91	9003	0.105	ug/L	90
53) m,p-Xylene	9.136	106	11571	0.340	ug/L	98
54) o-Xylene	9.542	106	5345	0.165	ug/L	78
60) Isopropylbenzene	9.927	105	5006	0.066	ug/L	97
63) 1,2,4-Trimethylbenzene	10.914	105	4209	0.066	ug/L	97

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111522\
Data File : VV028992.D
Acq On : 15 Nov 2022 16:32
Operator : SY/MD
Sample : N5628-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Quant Time: Nov 16 03:20:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 16 03:16:14 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV111522\
Data File : VV028992.D
Acq On : 15 Nov 2022 16:32
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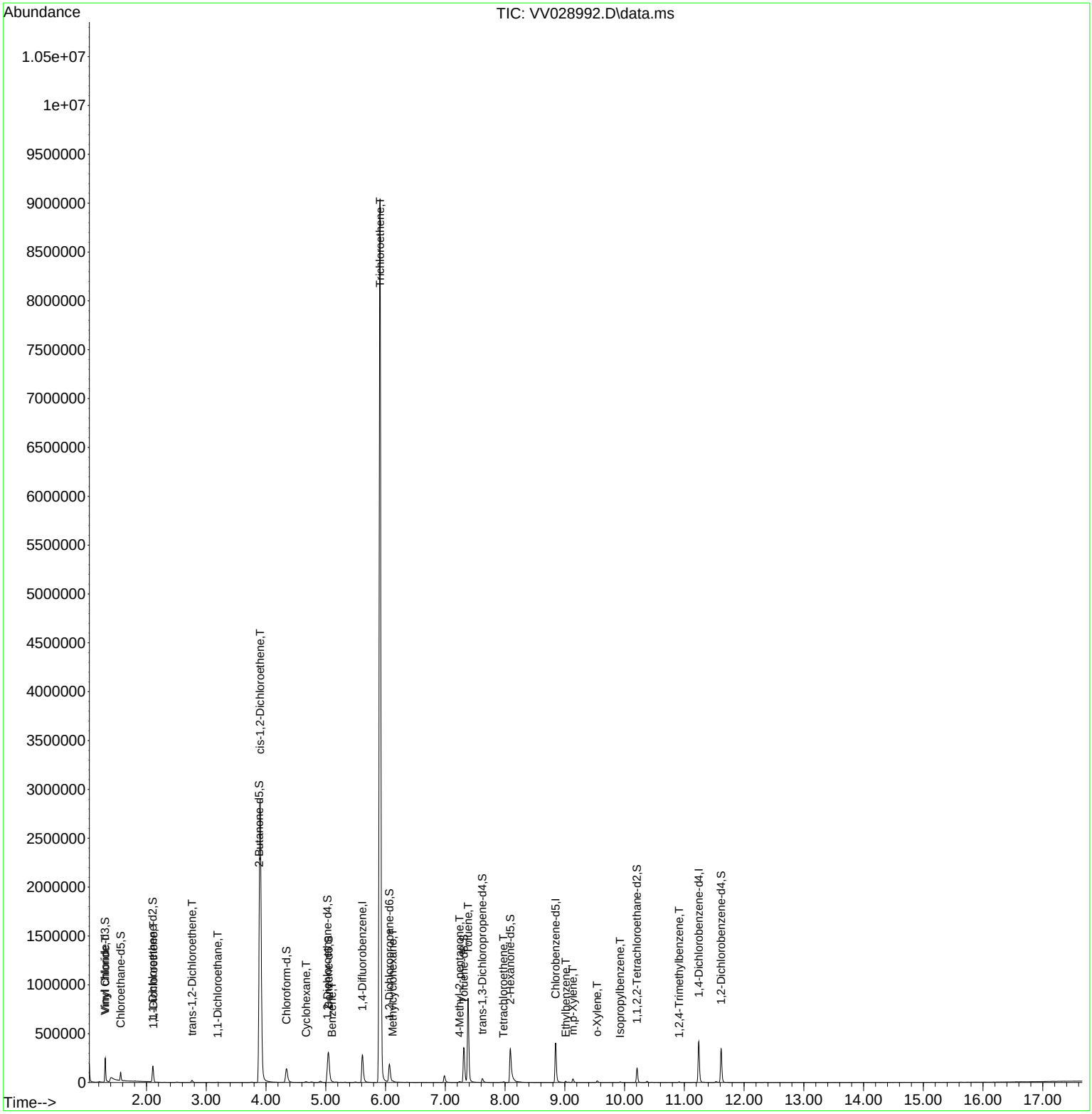
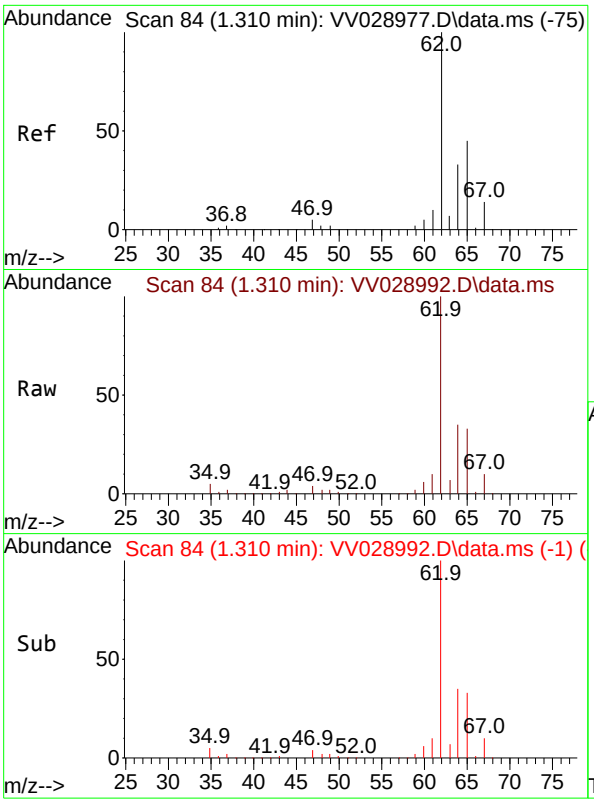
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 16 03:16:14 2022
Response via : Initial Calibration



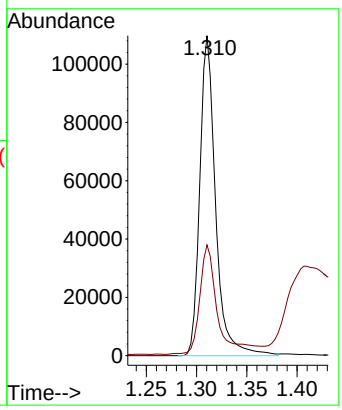


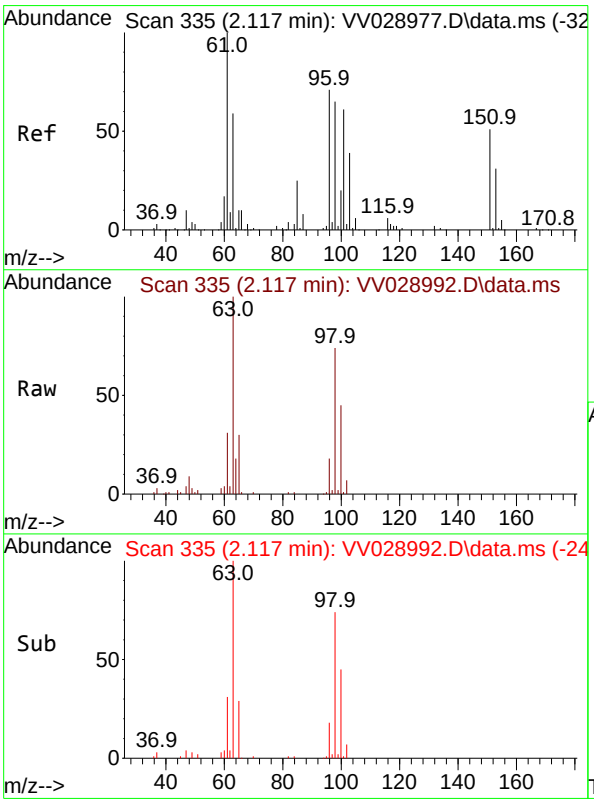
#5
Vinyl chloride
Concen: 5.581 ug/L
RT: 1.310 min Scan# 84
Delta R.T. -0.000 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Tgt Ion: 62 Resp: 119764

Ion	Ratio	Lower	Upper
62	100		
64	34.6	22.8	42.4

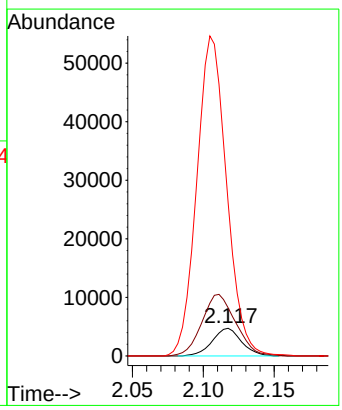


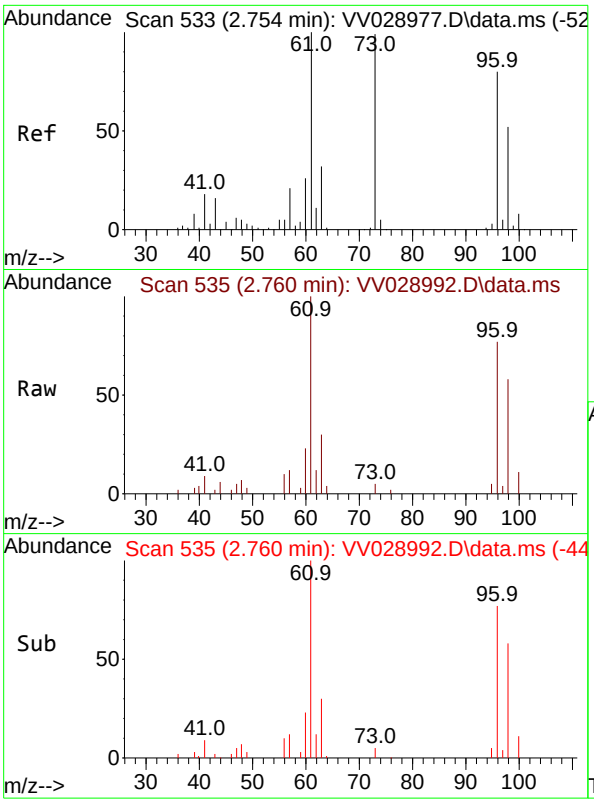


#12
1,1-Dichloroethene
Concen: 0.411 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Tgt Ion: 96 Resp: 6772

Ion	Ratio	Lower	Upper
96	100		
61	173.9	104.2	193.4
63	554.4	75.9	140.9#



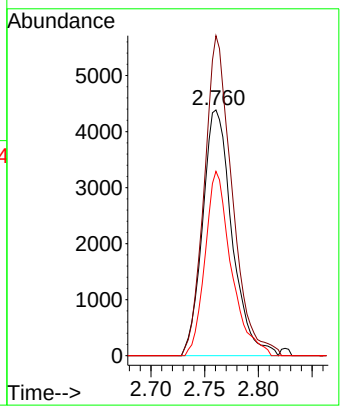


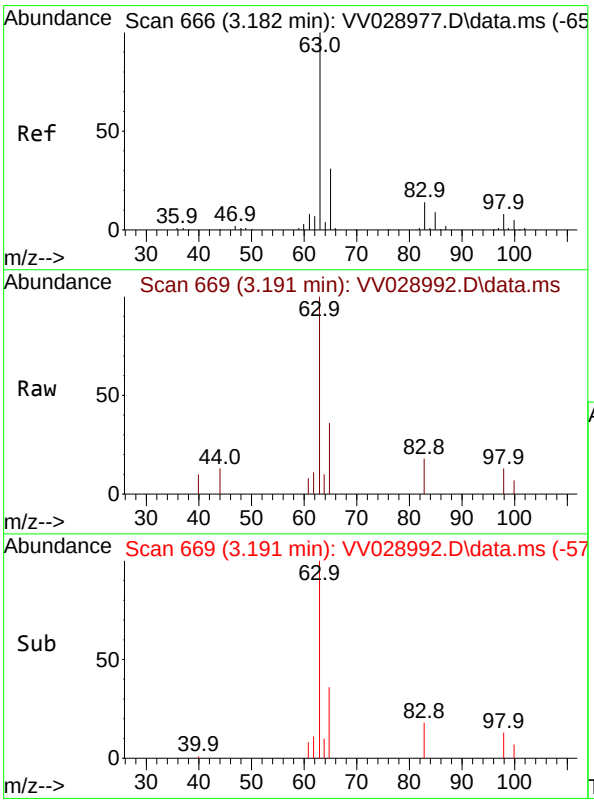
#18
trans-1,2-Dichloroethene
Concen: 0.437 ug/L
RT: 2.760 min Scan# 5
Delta R.T. 0.006 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Tgt Ion: 96 Resp: 8342

Ion	Ratio	Lower	Upper
96	100		
61	130.2	91.8	170.6
98	75.0	46.4	86.2

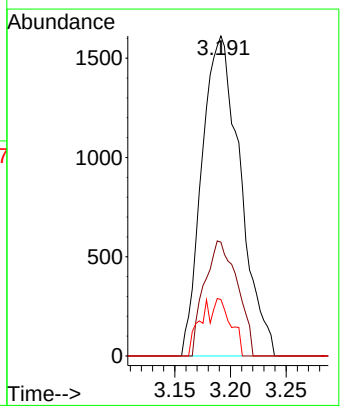


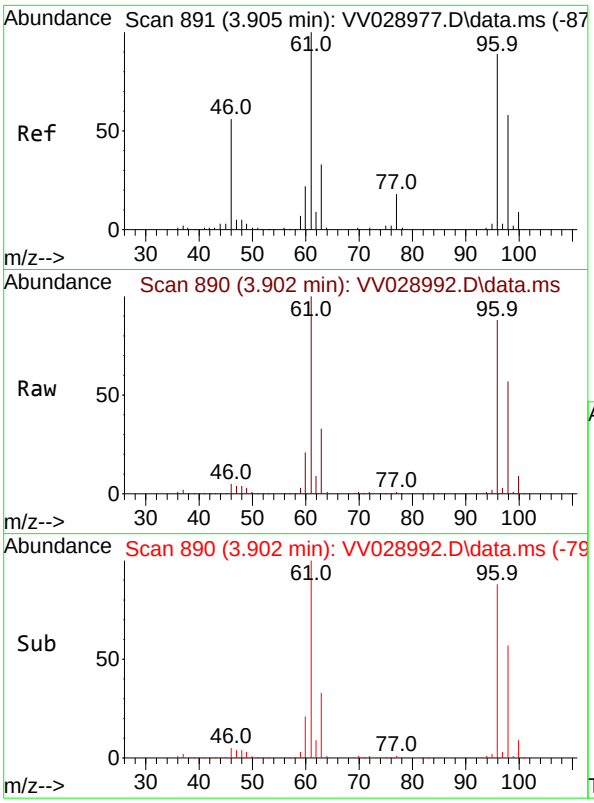


#19
1,1-Dichloroethane
Concen: 0.123 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.010 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Tgt Ion: 63 Resp: 3851

Ion	Ratio	Lower	Upper
63	100		
65	32.4	23.0	42.6
83	16.1	9.4	17.6



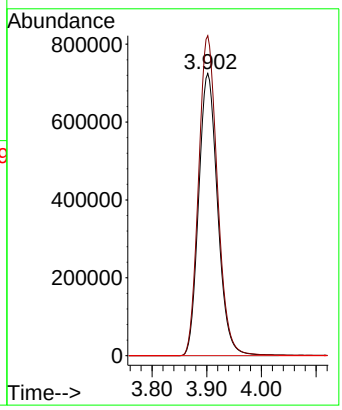


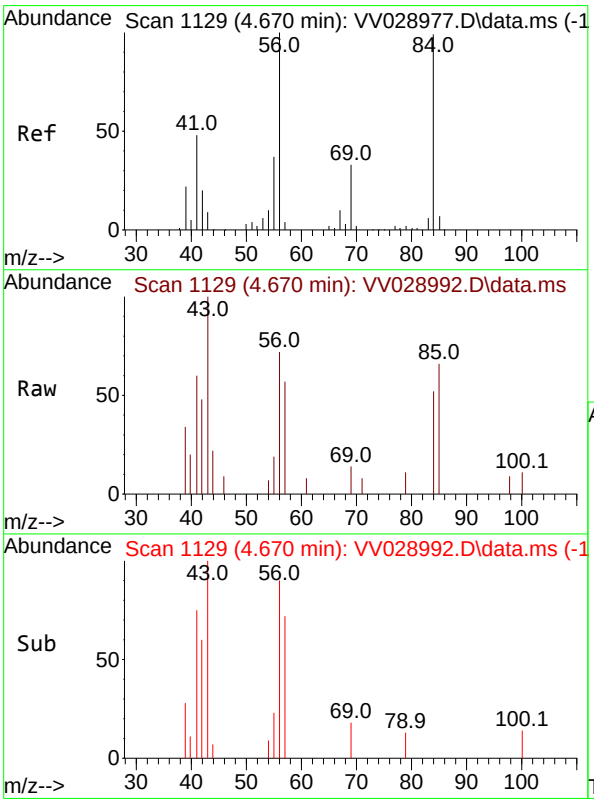
#22
cis-1,2-Dichloroethene
Concen: 89.632 ug/L
RT: 3.902 min Scan# 8
Delta R.T. -0.003 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Tgt Ion: 96 Resp: 1739777

Ion	Ratio	Lower	Upper
96	100		
61	113.4	82.3	152.9
68	0.0	0.0	0.0

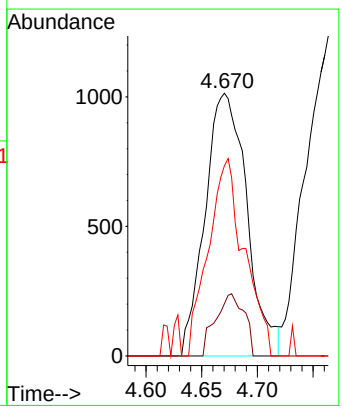


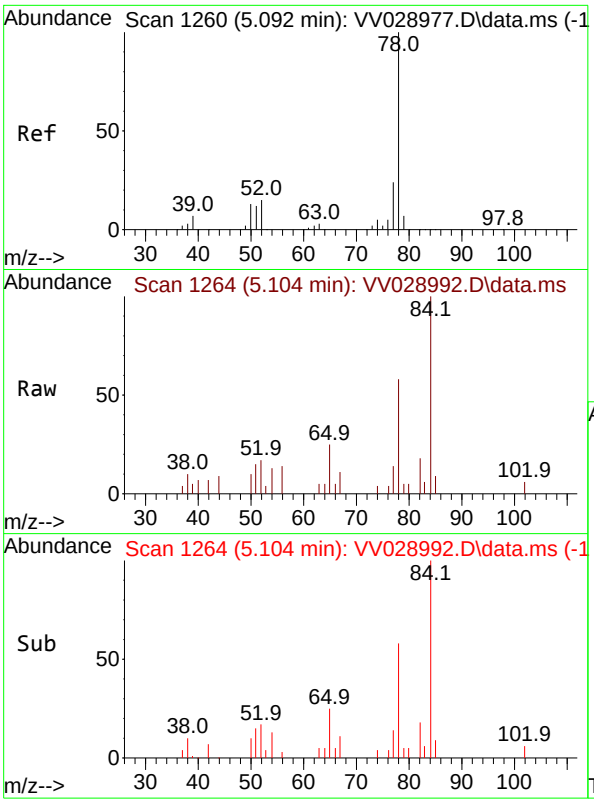


#30
Cyclohexane
Concen: 0.089 ug/L
RT: 4.670 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Tgt Ion: 56 Resp: 2645

Ion	Ratio	Lower	Upper
56	100		
69	16.1	26.1	39.1#
84	64.6	77.9	116.9#

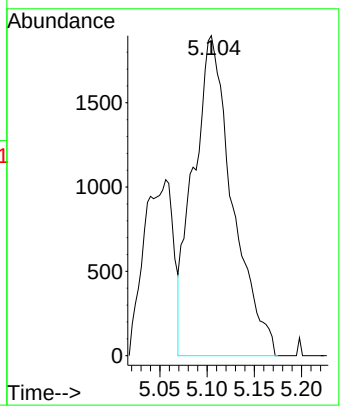


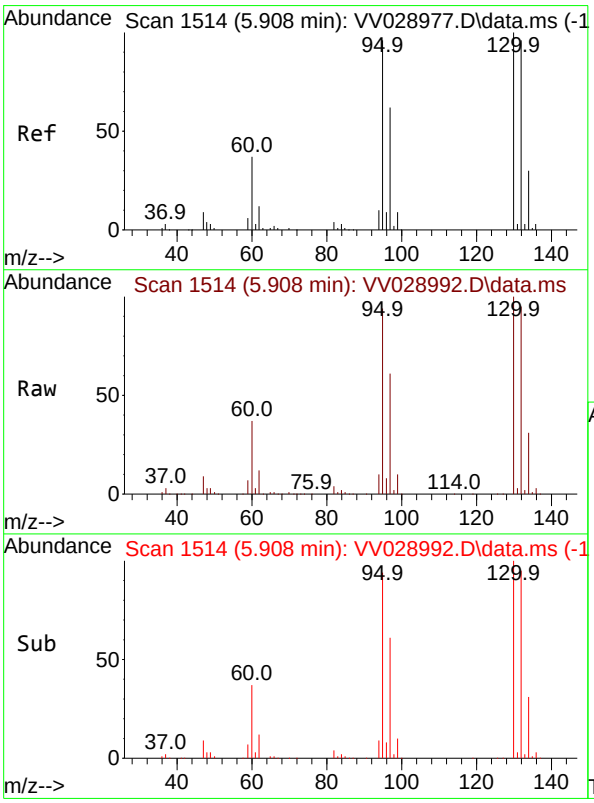


#33
Benzene
Concen: 0.072 ug/L
RT: 5.104 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Tgt Ion: 78 Resp: 5445

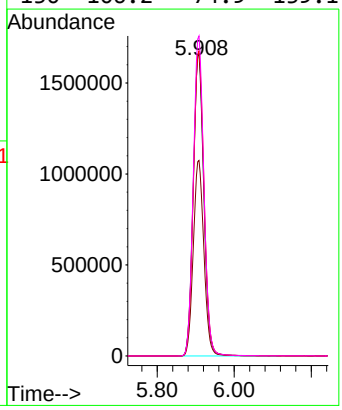


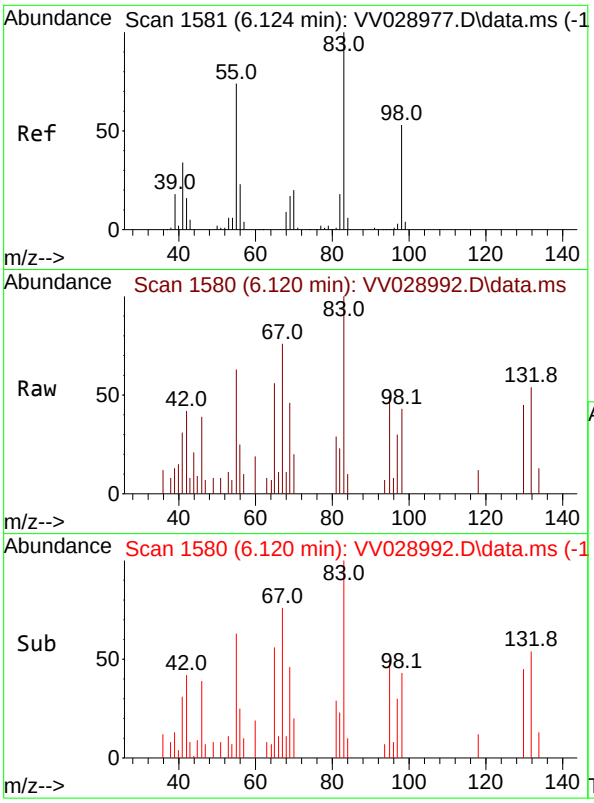


#34
Trichloroethene
Concen: 163.543 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Tgt Ion: 95 Resp: 3187887

Ion	Ratio	Lower	Upper
95	100		
97	64.9	45.6	84.8
132	101.3	69.1	128.3
130	106.2	74.9	139.1



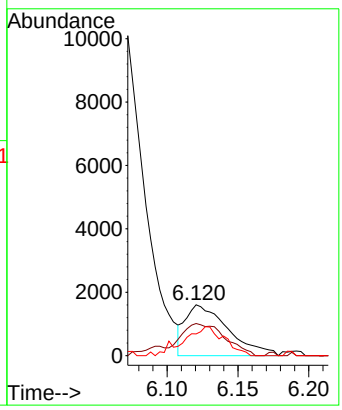


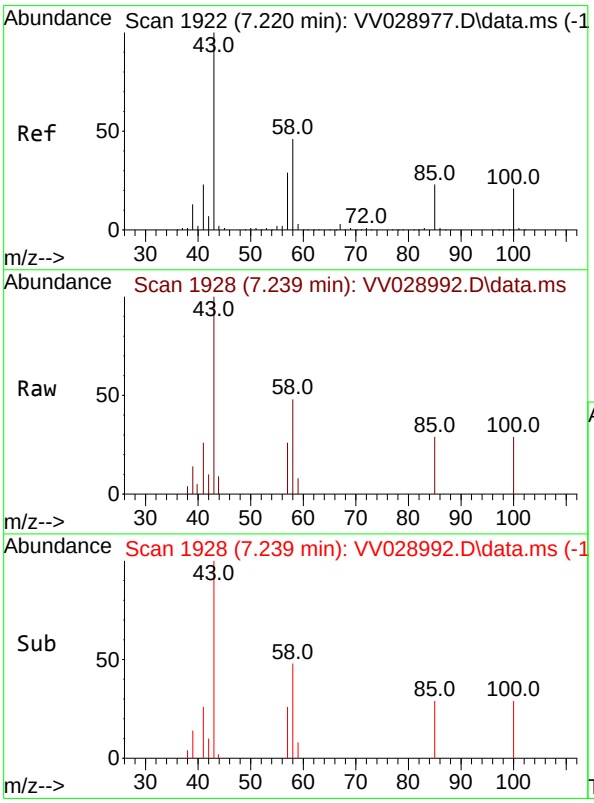
#35
Methylcyclohexane
Concen: 0.098 ug/L
RT: 6.120 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Tgt Ion: 83 Resp: 3361

Ion	Ratio	Lower	Upper
83	100		
55	65.8	55.8	83.6
98	0.0	38.2	57.2#

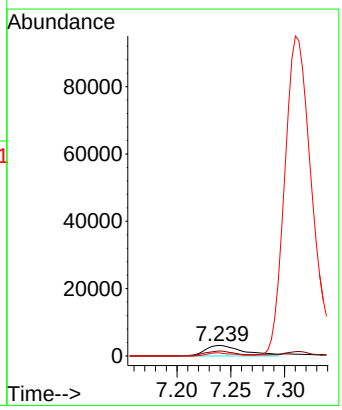


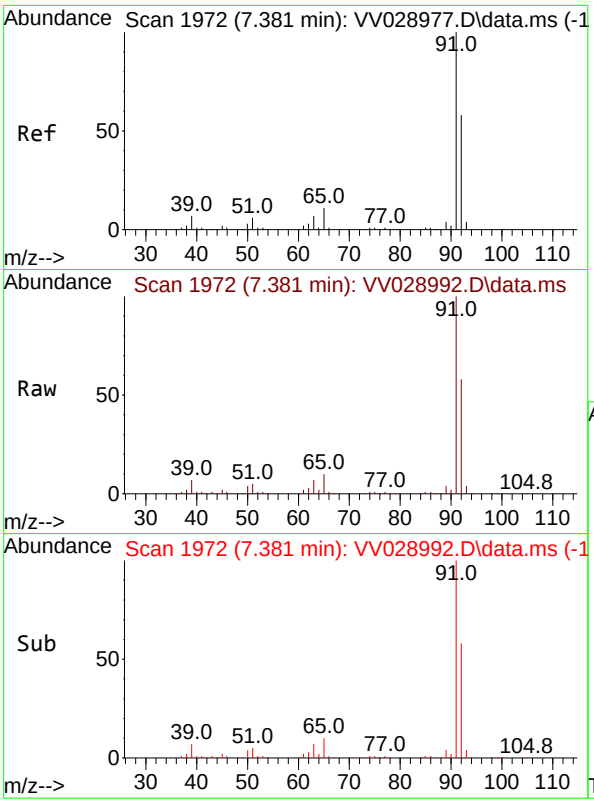


#40
4-Methyl-2-pentanone
Concen: 1.028 ug/L
RT: 7.239 min Scan# 1928
Delta R.T. 0.019 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Tgt Ion: 43 Resp: 7766

Ion	Ratio	Lower	Upper
43	100		
58	36.1	36.6	55.0#
100	0.0	14.5	21.7#



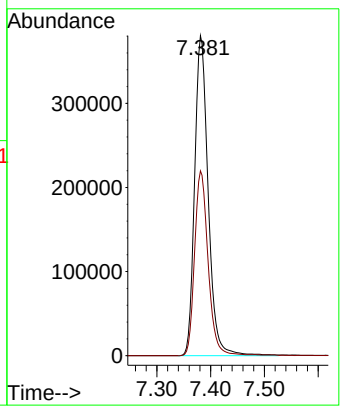


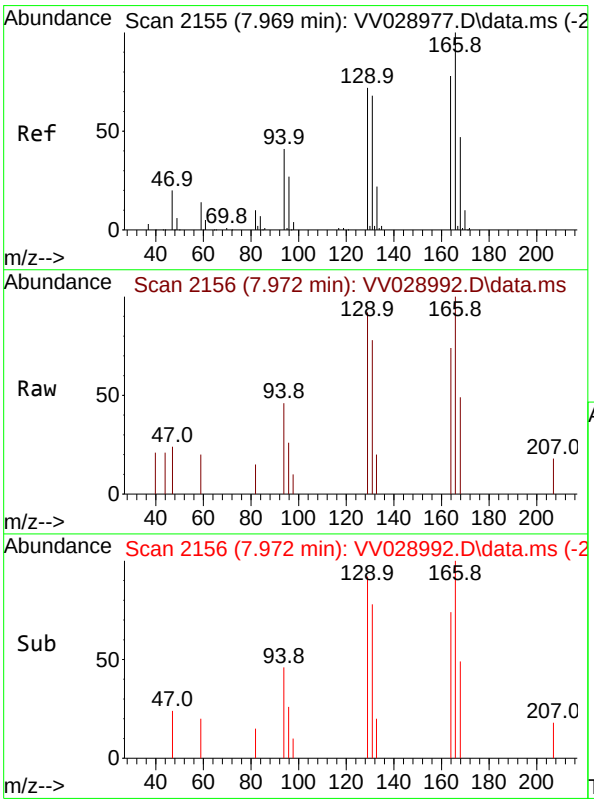
#42
Toluene
Concen: 8.093 ug/L
RT: 7.381 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Tgt Ion: 91 Resp: 665674

Ion	Ratio	Lower	Upper
91	100		
92	57.7	40.7	75.5

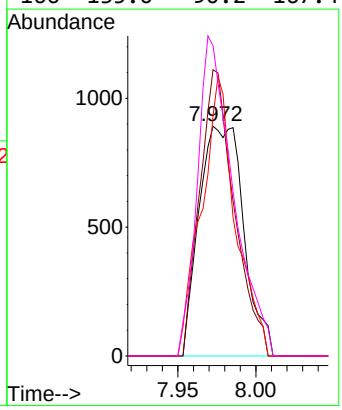


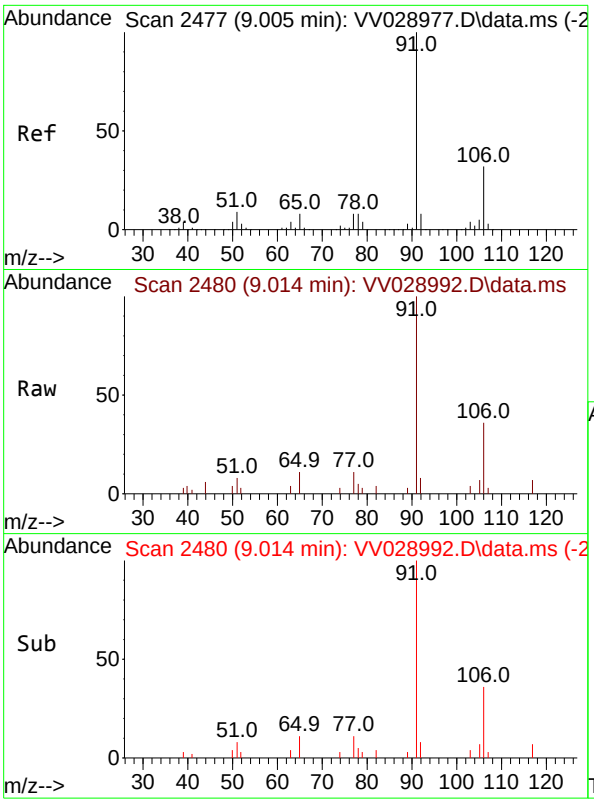


#47
Tetrachloroethene
Concen: 0.113 ug/L
RT: 7.972 min Scan# 2156
Delta R.T. 0.003 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Tgt Ion:164 Resp: 1768

Ion	Ratio	Lower	Upper
164	100		
129	124.6	63.9	118.7#
131	104.7	61.8	114.8
166	135.0	90.2	167.4



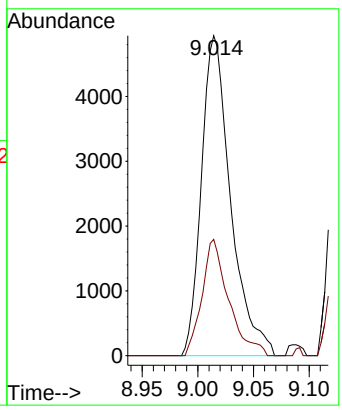


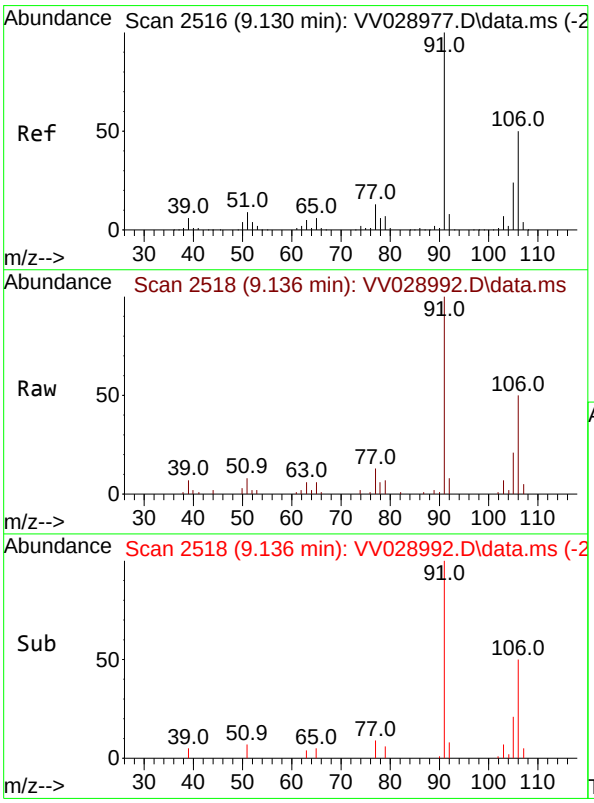
#52
Ethylbenzene
Concen: 0.105 ug/L
RT: 9.014 min Scan# 24
Delta R.T. 0.010 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Tgt Ion: 91 Resp: 9003

Ion	Ratio	Lower	Upper
91	100		
106	36.4	21.6	40.2

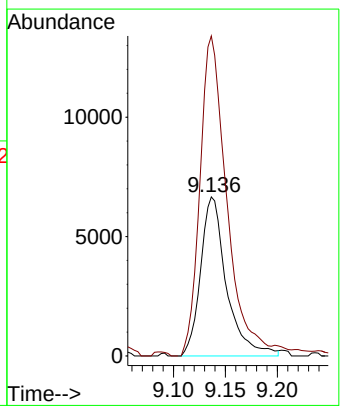


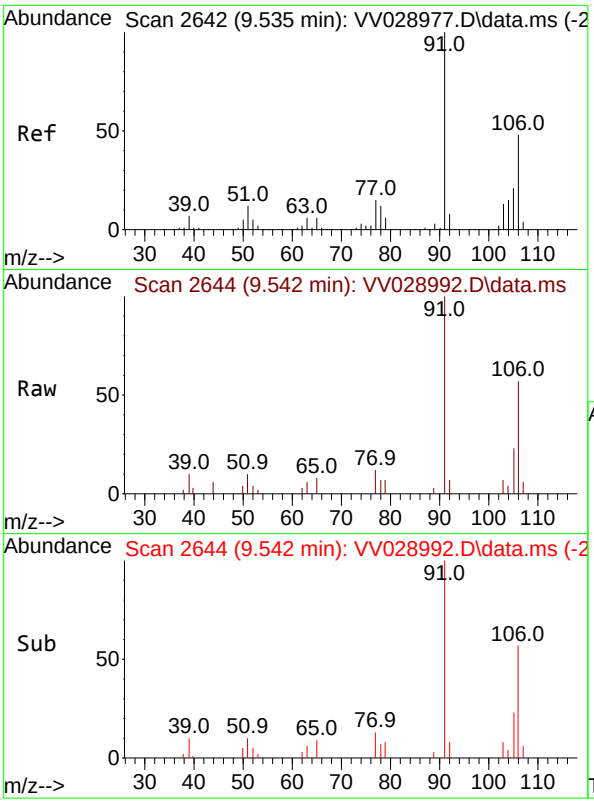


#53
m,p-Xylene
Concen: 0.340 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Tgt Ion:106 Resp: 11571

Ion	Ratio	Lower	Upper
106	100		
91	201.2	139.1	258.3



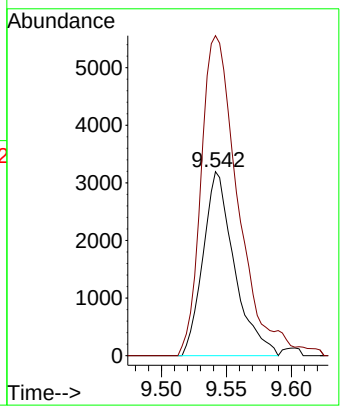


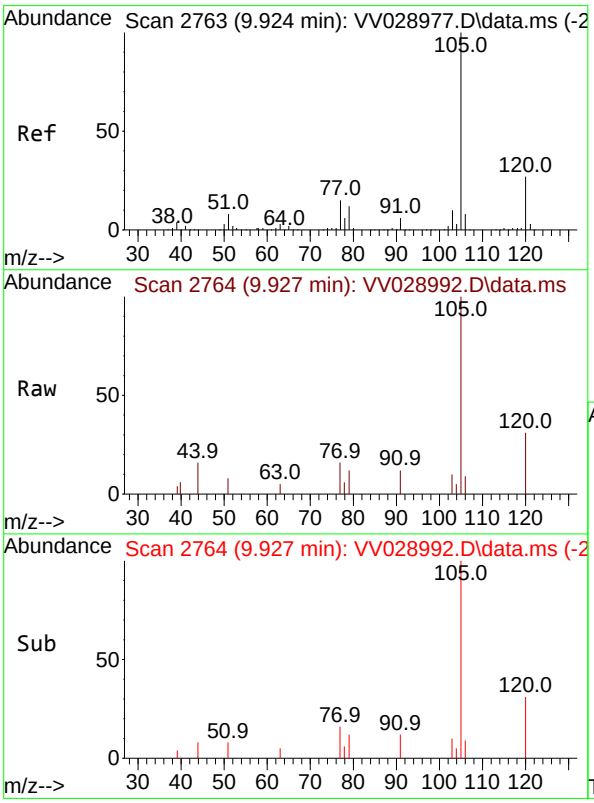
#54
o-Xylene
Concen: 0.165 ug/L
RT: 9.542 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Tgt Ion:106 Resp: 5345

Ion	Ratio	Lower	Upper
106	100		
91	174.0	145.7	270.7

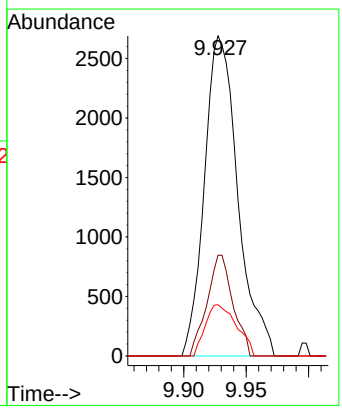


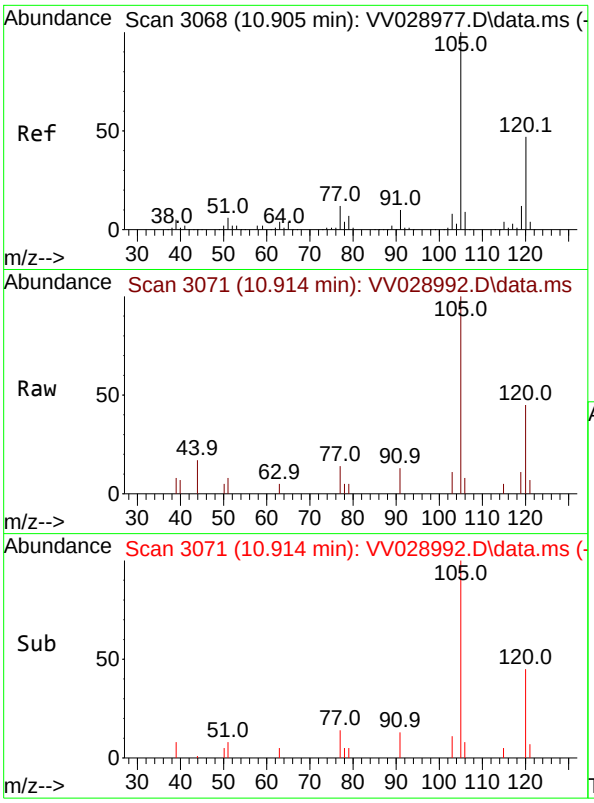


#60
Isopropylbenzene
Concen: 0.066 ug/L
RT: 9.927 min Scan# 2764
Delta R.T. 0.003 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Tgt Ion:105 Resp: 5006

Ion	Ratio	Lower	Upper
105	100		
120	24.5	21.3	31.9
77	15.0	11.8	17.8





#63
1,2,4-Trimethylbenzene
Concen: 0.066 ug/L
RT: 10.914 min Scan# 3
Delta R.T. 0.010 min
Lab File: VV028992.D
Acq: 15 Nov 2022 16:32

Instrument :
MSVOA_V
ClientSampleId :
C0L12

Tgt Ion:105 Resp: 4209

Ion	Ratio	Lower	Upper
105	100		
120	49.0	37.8	56.8