Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021924\
Data File : VV034239.D
Acq On : 19 Feb 2024 13:27
Operator : SY/MD
Sample : P1503-01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Feb 20 03:28:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 20 01:47:35 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	76389	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	70719	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	35213	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	23072	3.900	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 78.000%			
7) Chloroethane-d5	1.536	69	21068	4.066	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 81.400%			
11) 1,1-Dichloroethene-d2	2.060	65	11757	4.121	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 82.400%			
20) 2-Butanone-d5	3.812	46	37799	38.043	ug/L	-0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 76.080%			
24) Chloroform-d	4.252	84	43934	4.087	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 81.800%			
26) 1,2-Dichloroethane-d4	4.944	65	22427	4.464	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 89.200%			
32) Benzene-d6	4.960	84	84661	3.990	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 79.800%			
36) 1,2-Dichloropropane-d6	5.989	67	23104	3.895	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 78.000%			
41) Toluene-d8	7.243	98	79301	4.067	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 81.400%			
43) trans-1,3-Dichloroprop...	7.558	79	8657	3.866	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 77.400%			
46) 2-Hexanone-d5	8.030	63	28437	35.570	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 71.140%			
56) 1,1,2,2-Tetrachloroeth...	10.153	84	13330	3.707	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 74.200%			
66) 1,2-Dichlorobenzene-d4	11.561	152	27507	4.295	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 86.000%			
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	35304	4.839	ug/L	94
8) Chloroethane	1.391	64	2964	0.595	ug/L #	43
12) 1,1-Dichloroethene	2.069	96	101492	19.019	ug/L #	77
16) Methylene chloride	2.449	84	79854	15.595	ug/L	95
18) trans-1,2-Dichloroethene	2.696	96	16747	3.081	ug/L	97
22) cis-1,2-Dichloroethene	3.815	96	29282	4.748	ug/L	96
27) 1,2-Dichloroethane	5.040	62	81092	14.027	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	183709	19.349	ug/L	99
31) Carbon tetrachloride	4.735	117	63896	7.691	ug/L	99
33) Benzene	5.008	78	276347	13.029	ug/L	100
34) Trichloroethene	5.831	95	62842	10.237	ug/L	98
35) Methylcyclohexane	5.989	83	6114	0.635	ug/L #	21
37) 1,2-Dichloropropane	6.092	63	54953	10.695	ug/L	98
42) Toluene	7.313	91	134922	5.952	ug/L	98
44) trans-1,3-Dichloropropene	7.564	75	493	0.082	ug/L #	43
45) 1,1,2-Trichloroethane	7.767	97	47686	15.031	ug/L	98
47) Tetrachloroethene	7.902	164	79792	15.997	ug/L	96
49) Dibromochloromethane	7.902	129	70839	18.790	ug/L #	11
51) Chlorobenzene	8.812	112	169289	11.811	ug/L	98

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Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Feb 20 03:28:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 20 01:47:35 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Ethylbenzene	8.947	91	107180	4.107	ug/L		97
53) m,p-Xylene	9.072	106	278616	28.255	ug/L		100
54) o-Xylene	9.477	106	120703	12.694	ug/L		98
55) Styrene	9.493	104	99072	6.507	ug/L		96
60) Isopropylbenzene	9.477	105	60316	2.315	ug/L	#	2
61) 1,2,3-Trichloropropane	9.481	75	8453	3.492	ug/L	#	1
62) 1,3,5-Trimethylbenzene	9.477	105	60316	2.738	ug/L	#	29
64) 1,3-Dichlorobenzene	11.210	146	29275	2.577	ug/L		98
65) 1,4-Dichlorobenzene	11.210	146	29275	2.602	ug/L		99
67) 1,2-Dichlorobenzene	11.577	146	69165	7.089	ug/L		98
70) 1,2,4-trichlorobenzene	13.197	180	34409	5.013	ug/L		98

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

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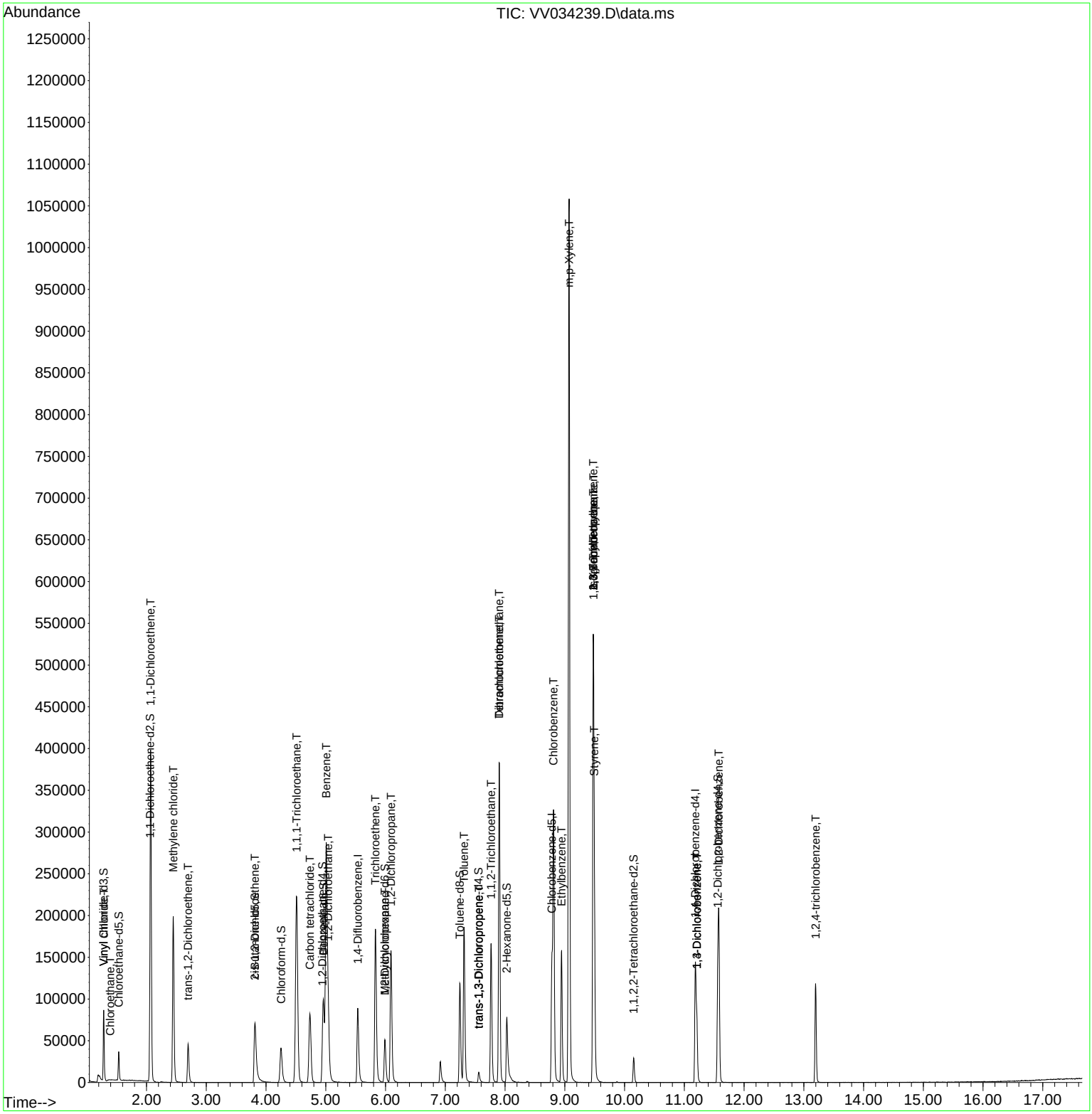
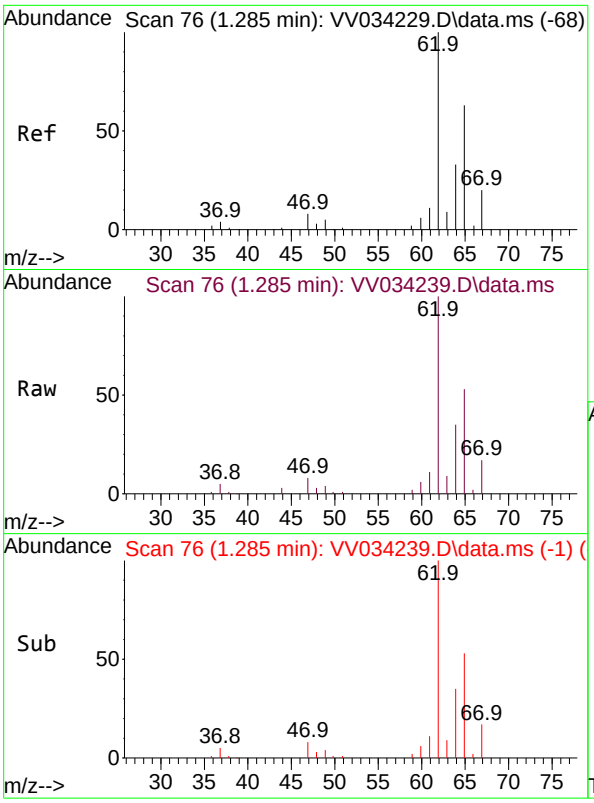
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 20 01:47:35 2024
Response via : Initial Calibration



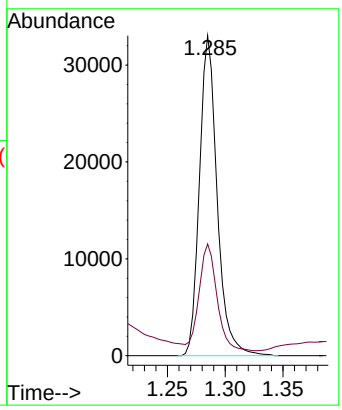


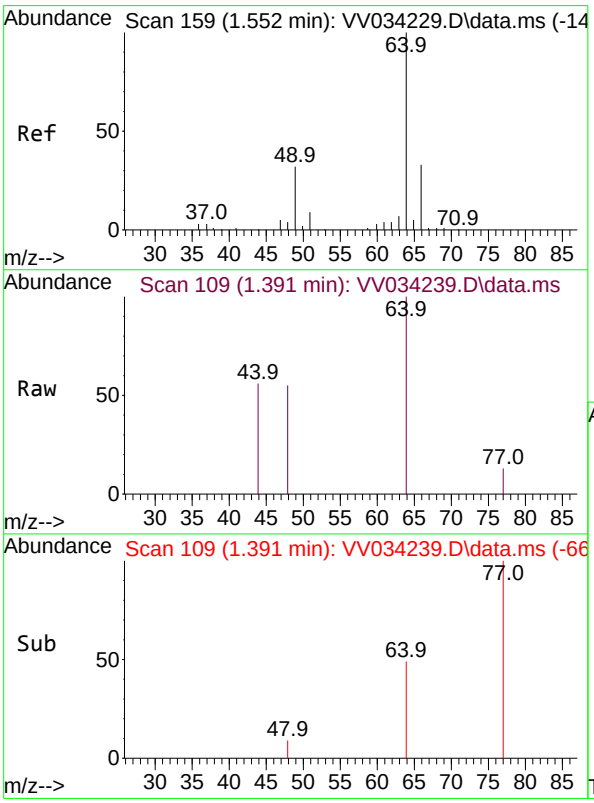
#5
Vinyl chloride
Concen: 4.839 ug/L
RT: 1.285 min Scan# 7
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 62 Resp: 35304

Ion	Ratio	Lower	Upper
62	100		
64	34.9	27.2	50.4

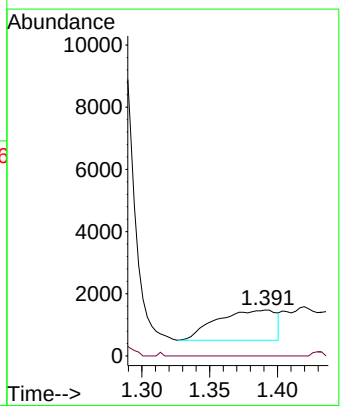


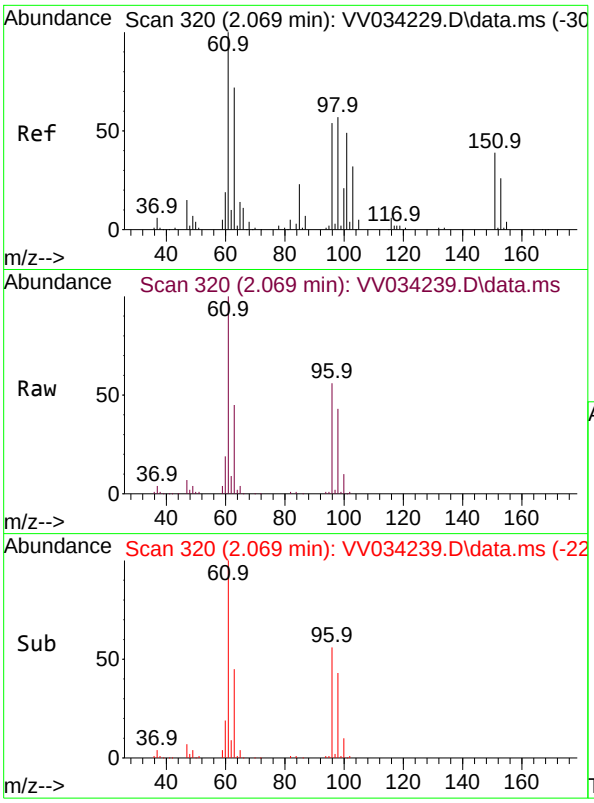


#8
Chloroethane
Concen: 0.595 ug/L
RT: 1.391 min Scan# 109
Delta R.T. -0.161 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 64 Resp: 2964

Ion	Ratio	Lower	Upper
64	100		
66	0.0	22.0	41.0#



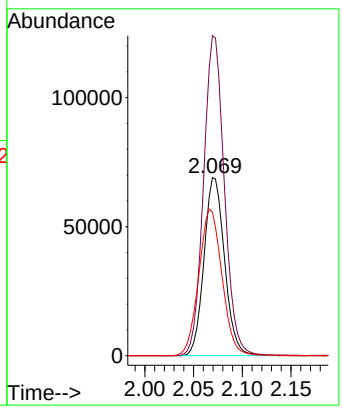


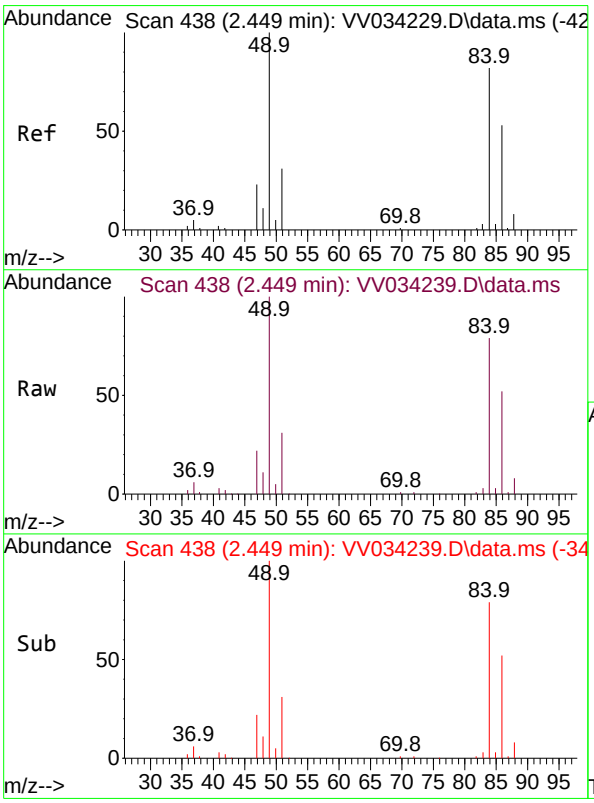
#12
1,1-Dichloroethene
Concen: 19.019 ug/L
RT: 2.069 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 96 Resp: 101492

Ion	Ratio	Lower	Upper
96	100		
61	179.7	128.8	239.2
63	80.7	97.9	181.9#

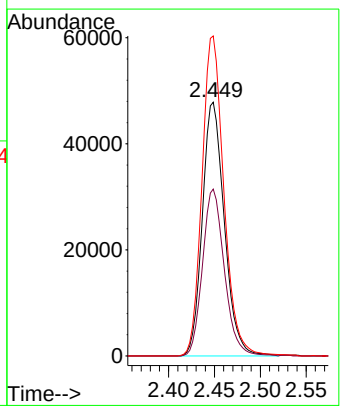


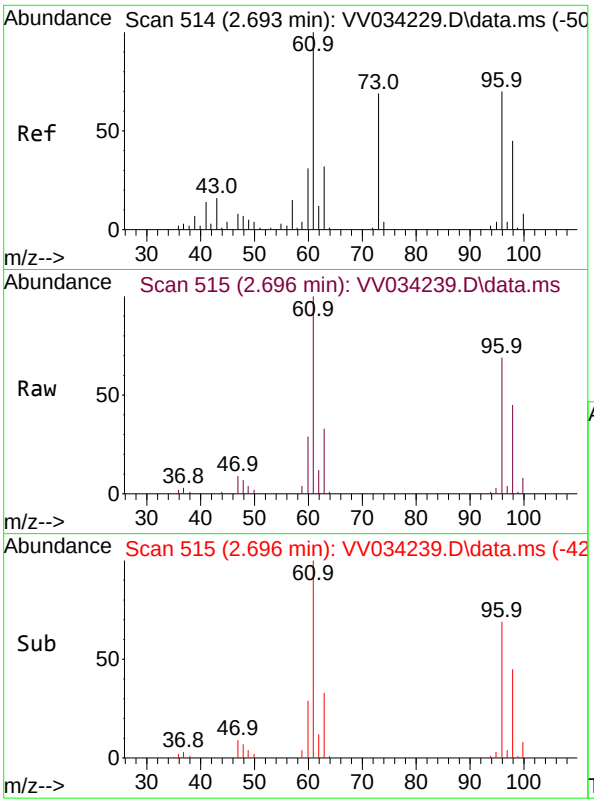


#16
Methylene chloride
Concen: 15.595 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 84 Resp: 79854

Ion	Ratio	Lower	Upper
84	100		
86	65.7	44.7	83.1
49	126.1	93.7	173.9



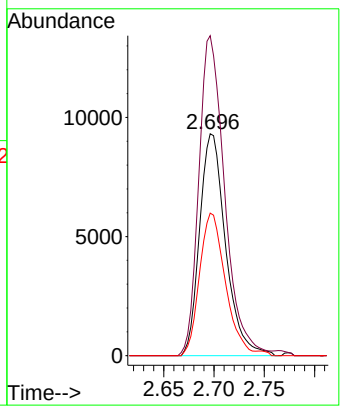


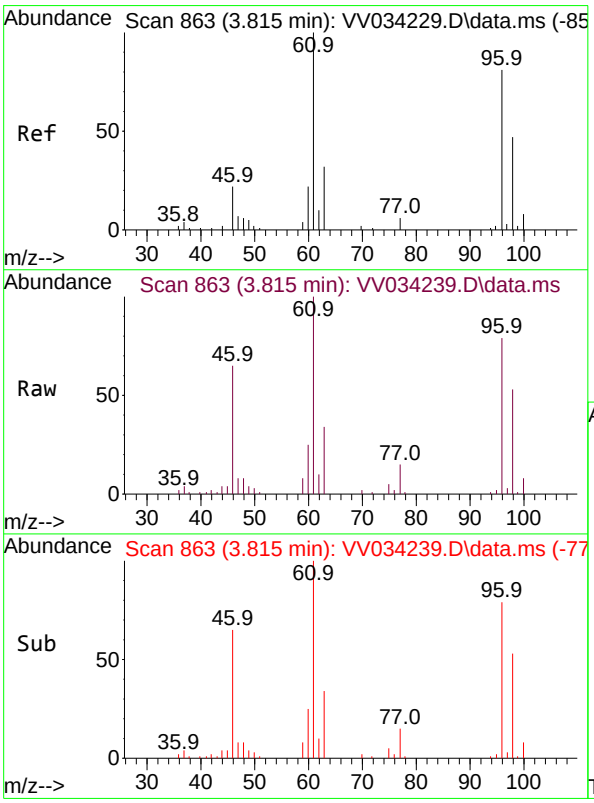
#18
trans-1,2-Dichloroethene
Concen: 3.081 ug/L
RT: 2.696 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 96 Resp: 16747

Ion	Ratio	Lower	Upper
96	100		
61	144.2	97.6	181.4
98	64.2	44.4	82.5

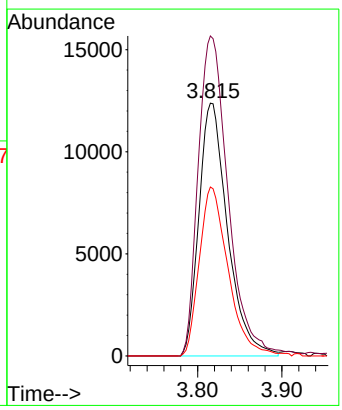


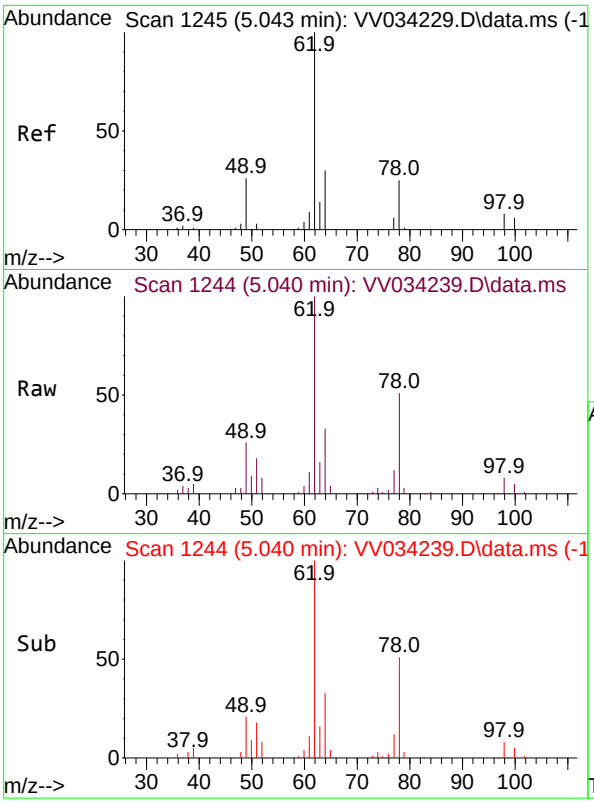


#22
cis-1,2-Dichloroethene
Concen: 4.748 ug/L
RT: 3.815 min Scan# 863
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 96 Resp: 29282

Ion	Ratio	Lower	Upper
96	100		
61	126.6	90.3	167.7
98	66.9	43.2	80.2



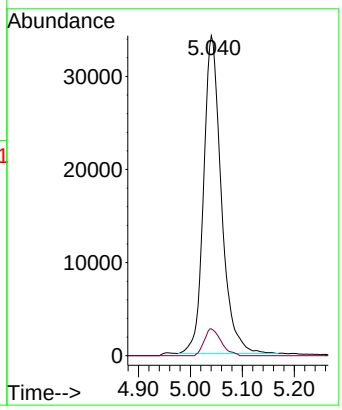


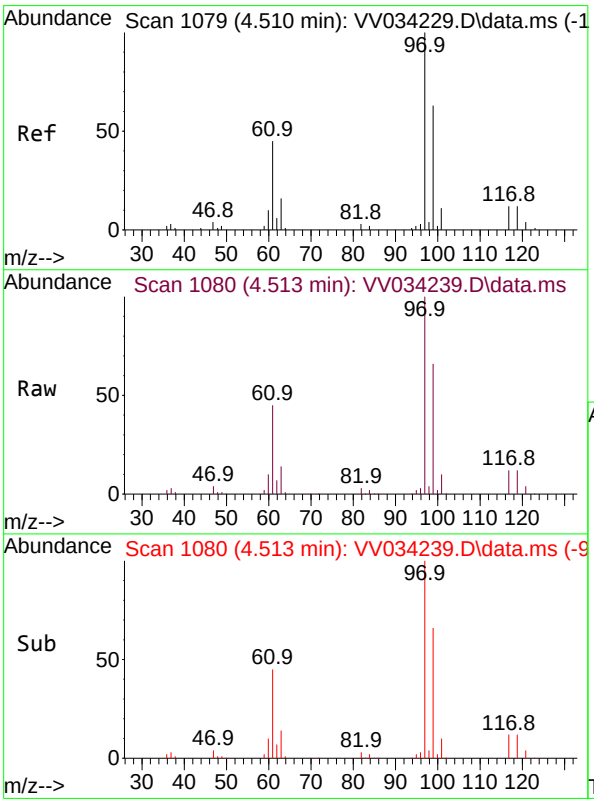
#27
1,2-Dichloroethane
Concen: 14.027 ug/L
RT: 5.040 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 62 Resp: 81092

Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.9	10.3

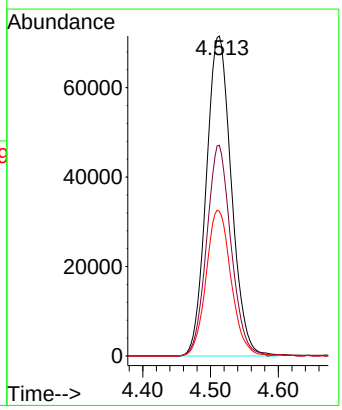


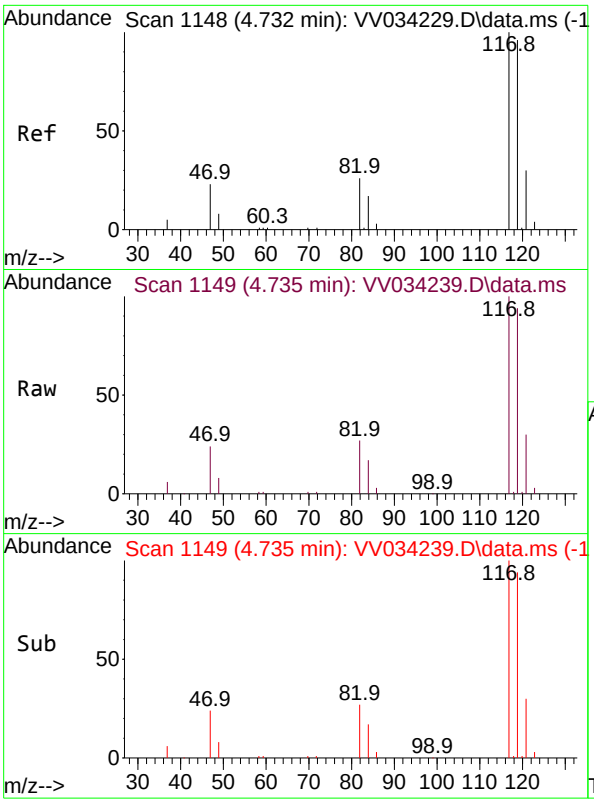


#29
1,1,1-Trichloroethane
Concen: 19.349 ug/L
RT: 4.513 min Scan# 1080
Delta R.T. 0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 97 Resp: 183709

Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	75.8
61	45.4	36.8	55.2



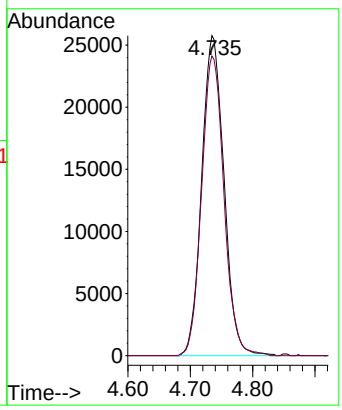


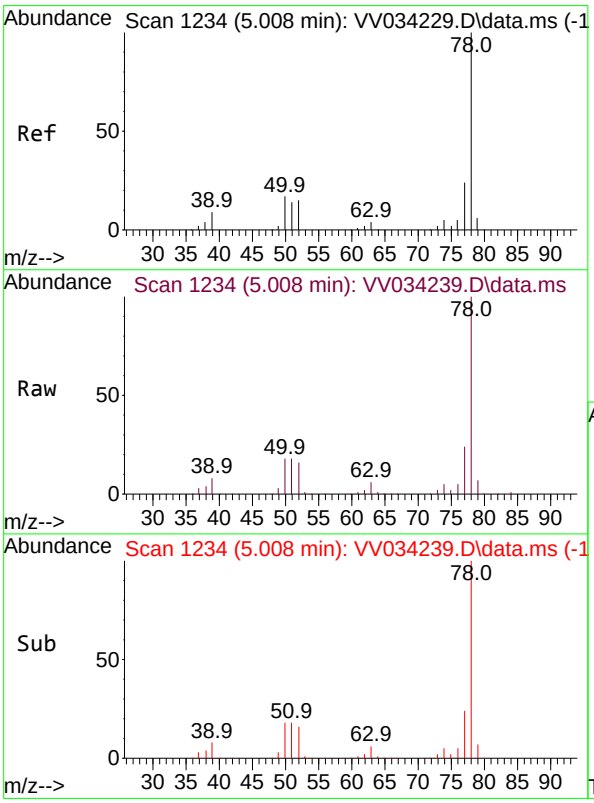
#31
Carbon tetrachloride
Concen: 7.691 ug/L
RT: 4.735 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:117 Resp: 63896

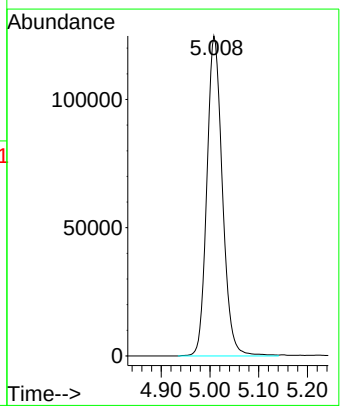
Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.1	114.1

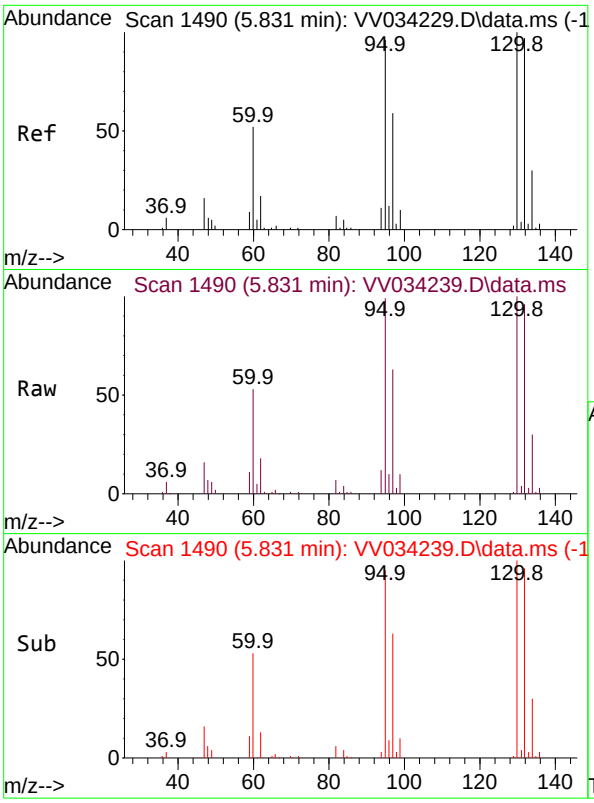




#33
Benzene
Concen: 13.029 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 78 Resp: 276347



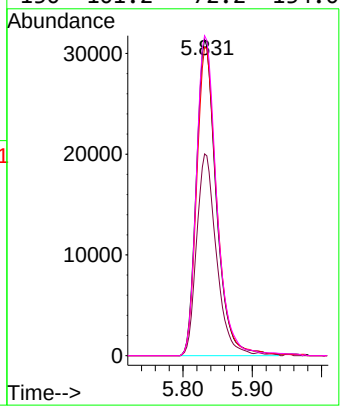


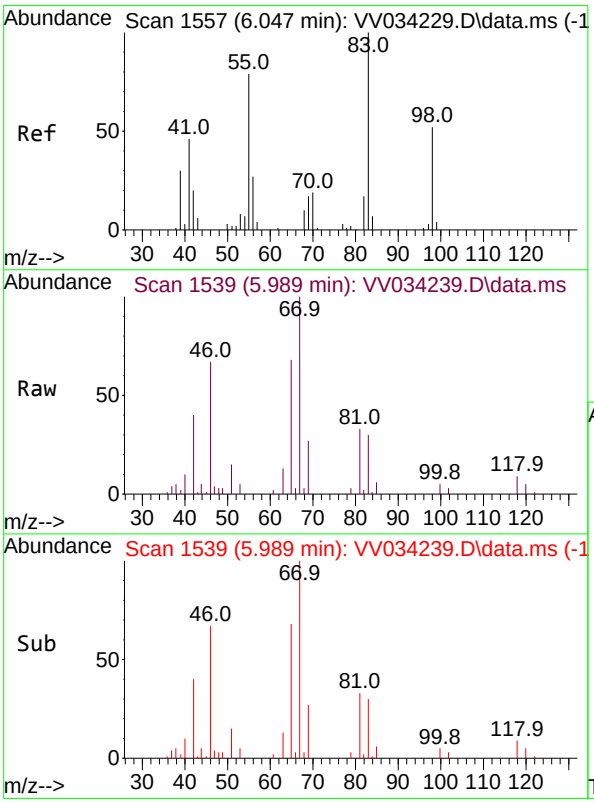
#34
Trichloroethene
Concen: 10.237 ug/L
RT: 5.831 min Scan# 14
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 95 Resp: 62842

Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.1	83.7
132	97.6	66.0	122.6
130	101.2	72.2	134.0

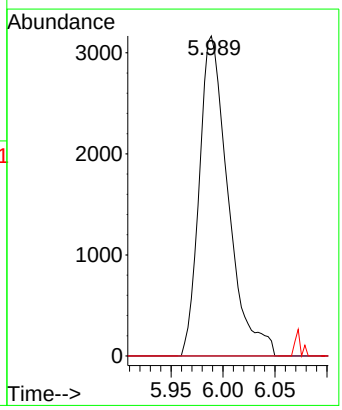


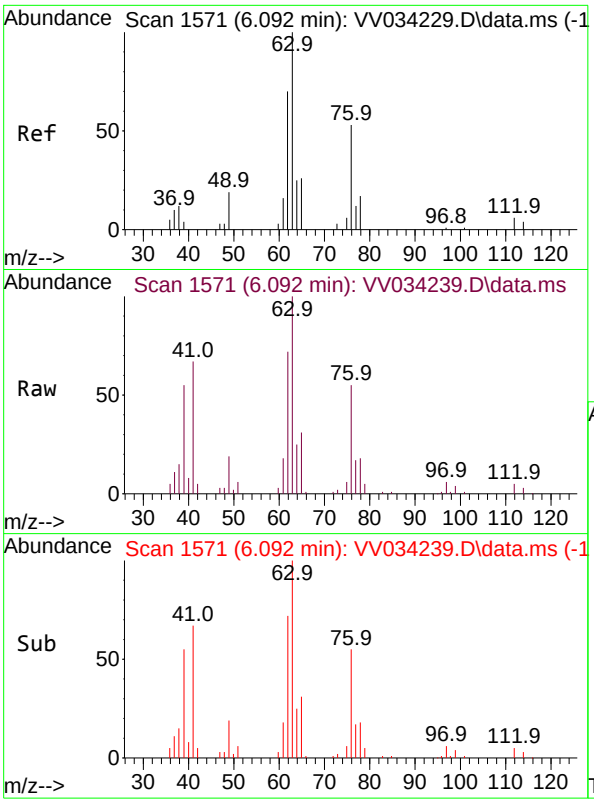


#35
Methylcyclohexane
Concen: 0.635 ug/L
RT: 5.989 min Scan# 1539
Delta R.T. -0.058 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 83 Resp: 6114

Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.5	95.3#
98	7.2	39.0	58.4#



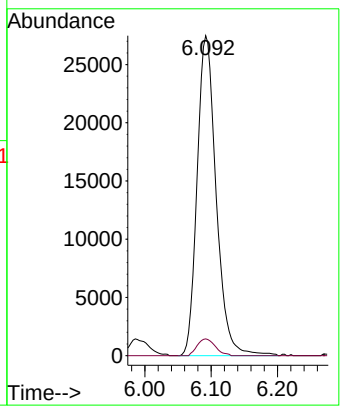


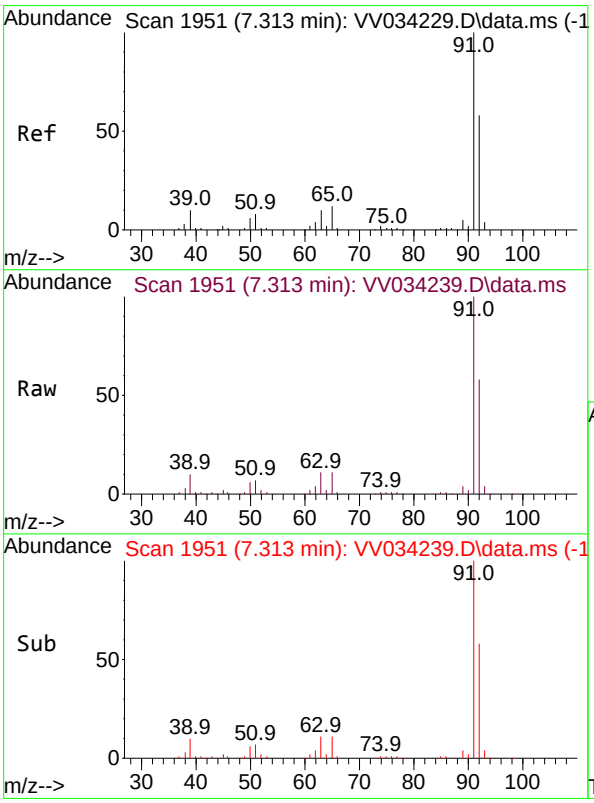
#37
1,2-Dichloropropane
Concen: 10.695 ug/L
RT: 6.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 63 Resp: 54953

Ion	Ratio	Lower	Upper
63	100		
112	5.0	3.4	5.0

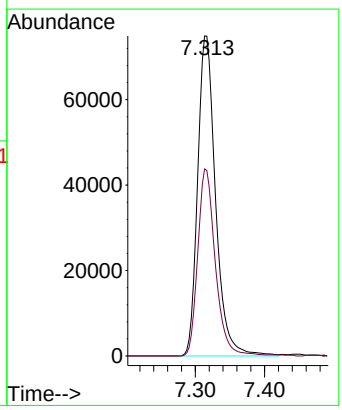


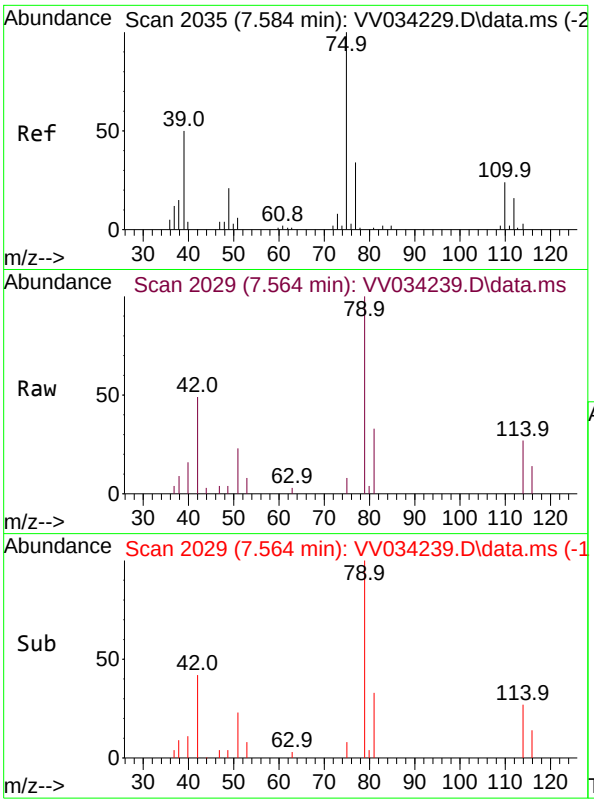


#42
Toluene
Concen: 5.952 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 91 Resp: 134922

Ion	Ratio	Lower	Upper
91	100		
92	58.5	42.1	78.3



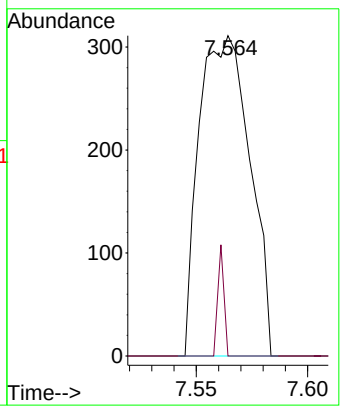


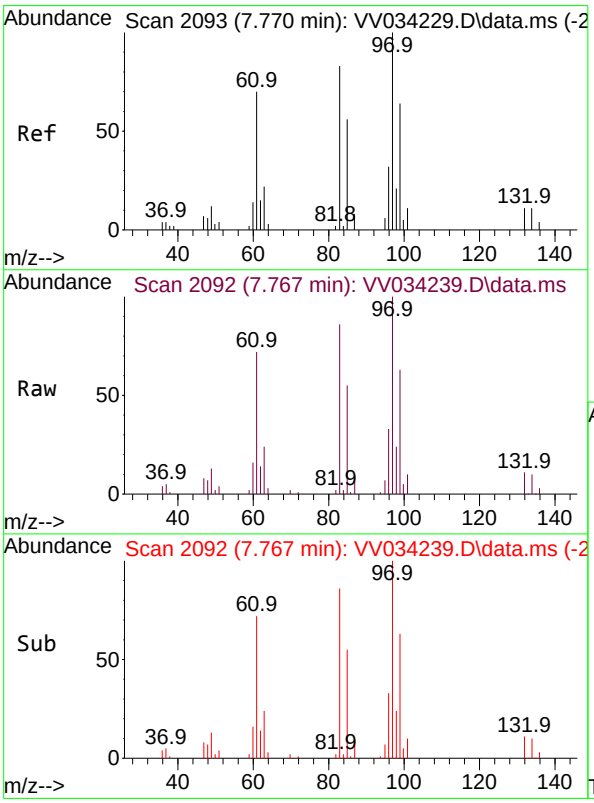
#44
trans-1,3-Dichloropropene
Concen: 0.082 ug/L
RT: 7.564 min Scan# 2
Delta R.T. -0.019 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 493

Ion	Ratio	Lower	Upper
75	100		
77	0.0	22.2	41.2#

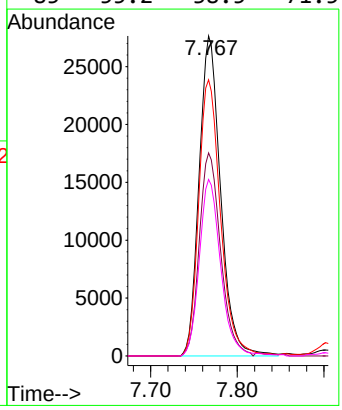


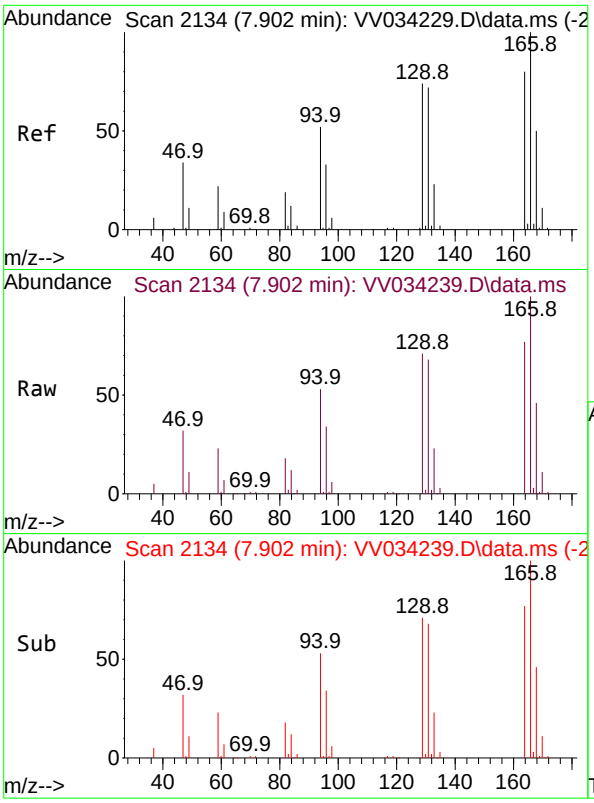


#45
1,1,2-Trichloroethane
Concen: 15.031 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. -0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 97 Resp: 47686

Ion	Ratio	Lower	Upper
97	100		
99	63.5	45.6	84.6
83	86.3	62.3	115.7
85	55.2	38.5	71.5



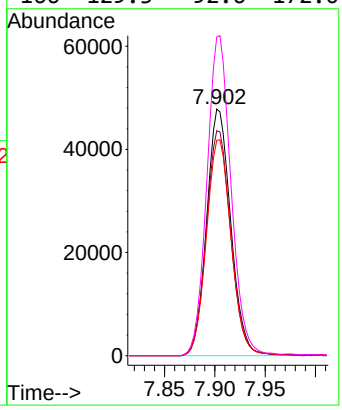


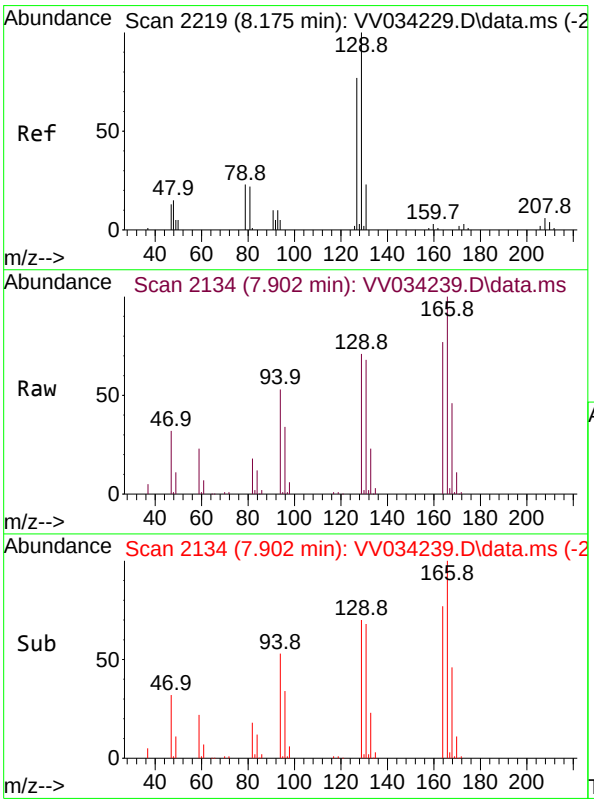
#47
Tetrachloroethene
Concen: 15.997 ug/L
RT: 7.902 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:164 Resp: 79792

Ion	Ratio	Lower	Upper
164	100		
129	91.2	67.8	125.8
131	87.3	63.0	117.0
166	129.3	92.6	172.0

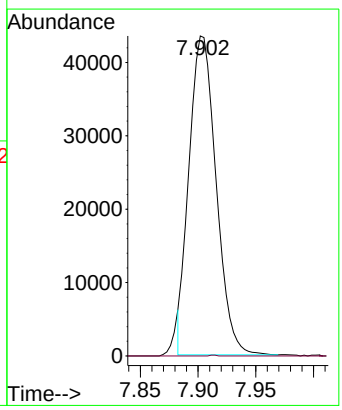


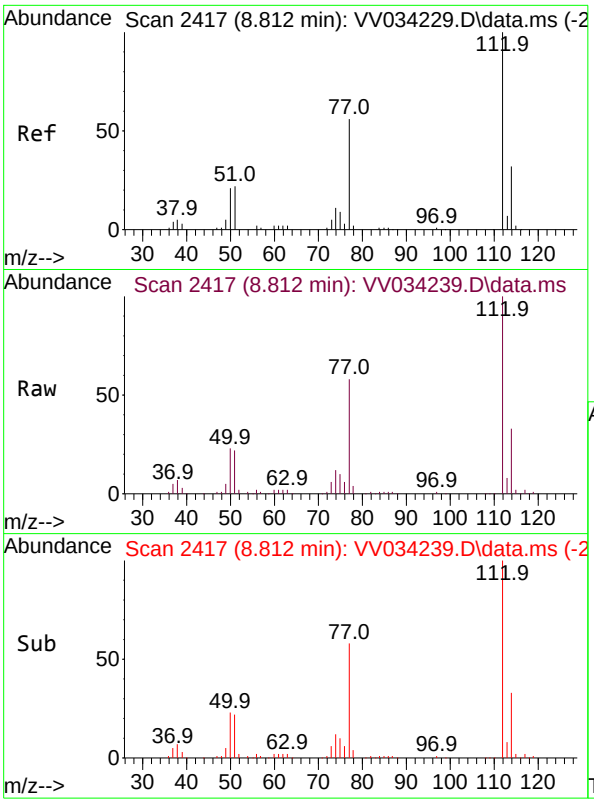


#49
Dibromochloromethane
Concen: 18.790 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.273 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion:129 Resp: 70839

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.5	99.5#



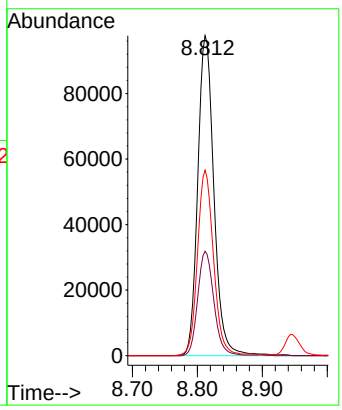


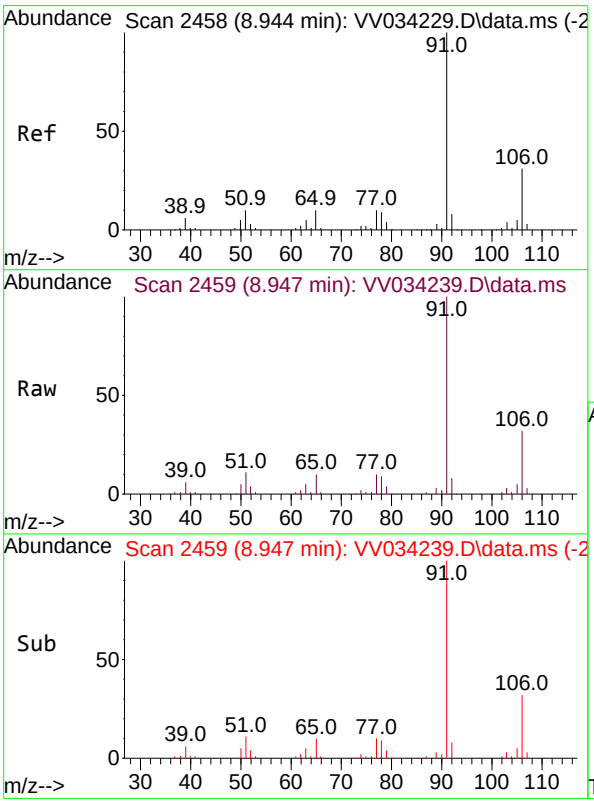
#51
Chlorobenzene
Concen: 11.811 ug/L
RT: 8.812 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:112 Resp: 169289

Ion	Ratio	Lower	Upper
112	100		
114	32.6	22.5	41.7
77	57.9	48.1	72.1

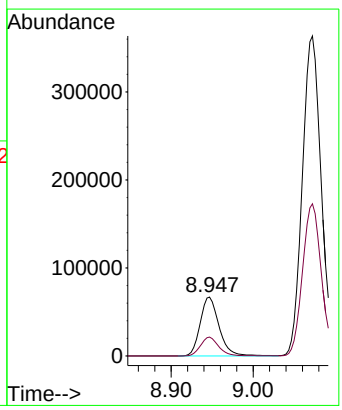


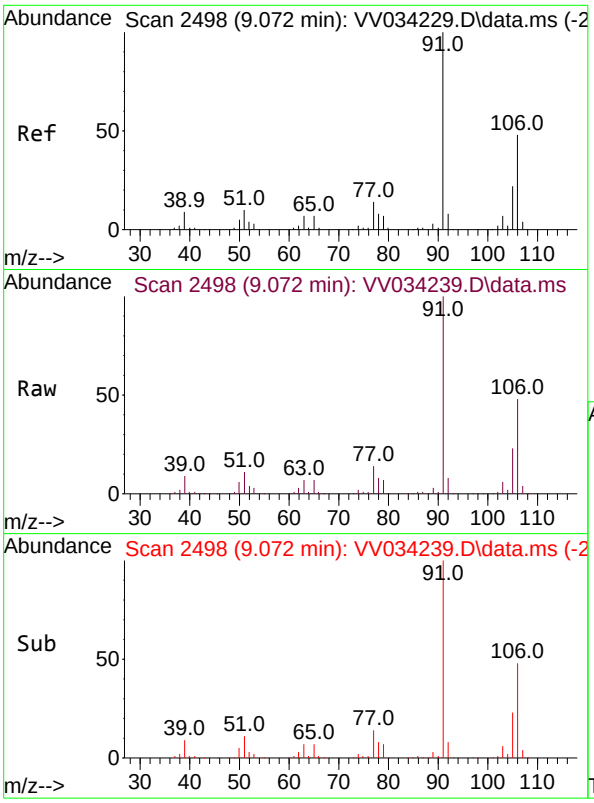


#52
Ethylbenzene
Concen: 4.107 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 91 Resp: 107180

Ion	Ratio	Lower	Upper
91	100		
106	32.1	21.4	39.8



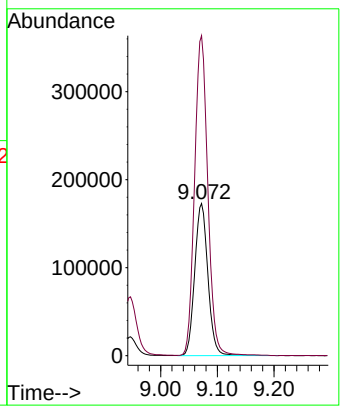


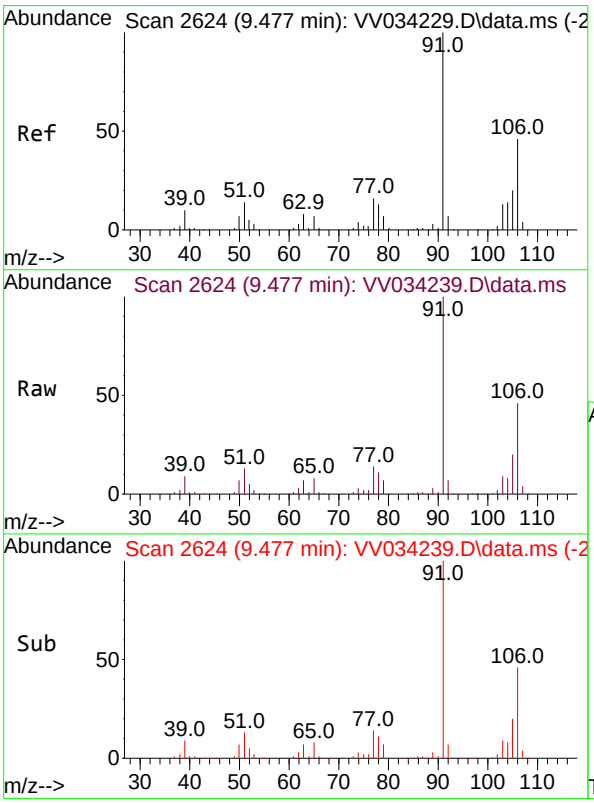
#53
m,p-Xylene
Concen: 28.255 ug/L
RT: 9.072 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:106 Resp: 278616

Ion	Ratio	Lower	Upper
106	100		
91	210.3	147.5	273.9

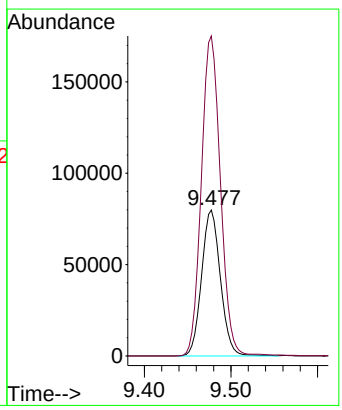


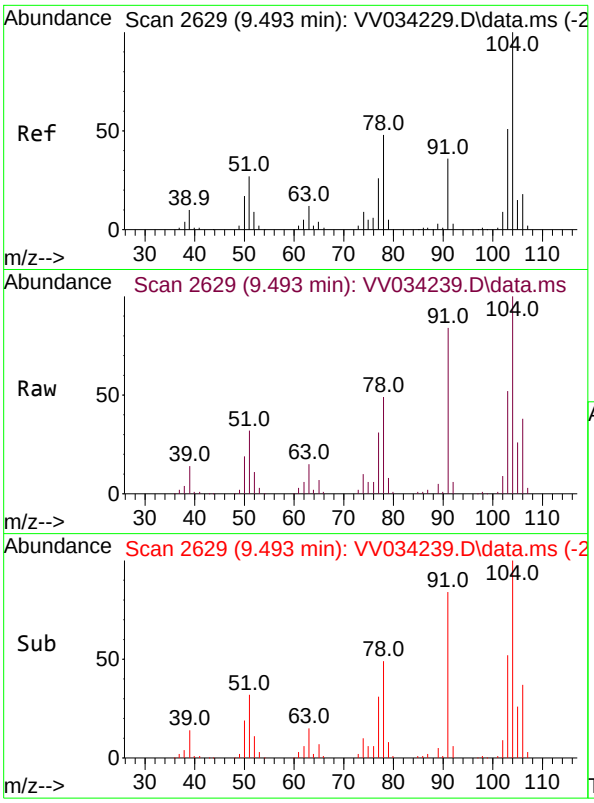


#54
o-Xylene
Concen: 12.694 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion:106 Resp: 120703

Ion	Ratio	Lower	Upper
106	100		
91	219.4	156.2	290.0



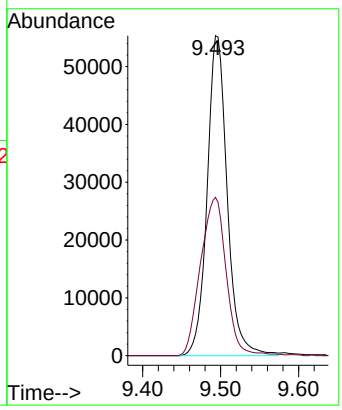


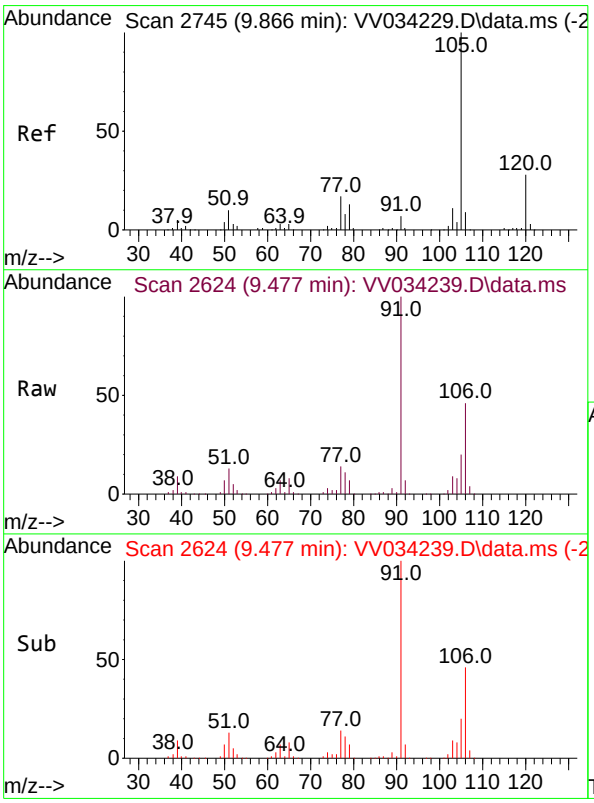
#55
Styrene
Concen: 6.507 ug/L
RT: 9.493 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:104 Resp: 99072

Ion	Ratio	Lower	Upper
104	100		
78	49.5	32.9	61.1

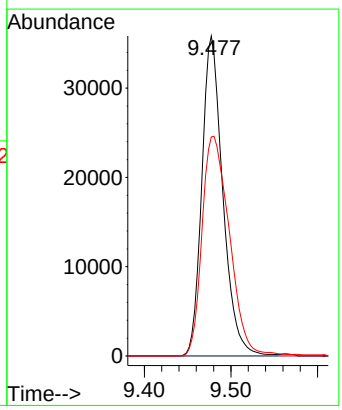


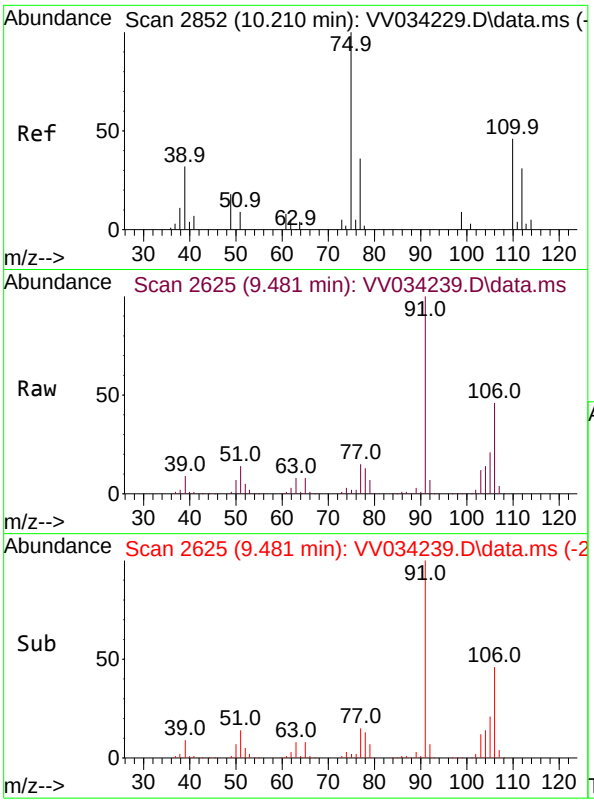


#60
Isopropylbenzene
Concen: 2.315 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.389 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion:105 Resp: 60316

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.7	31.1#
77	89.7	13.0	19.6#



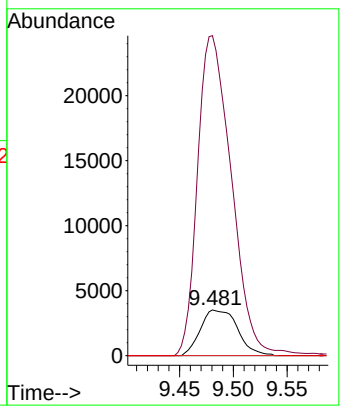


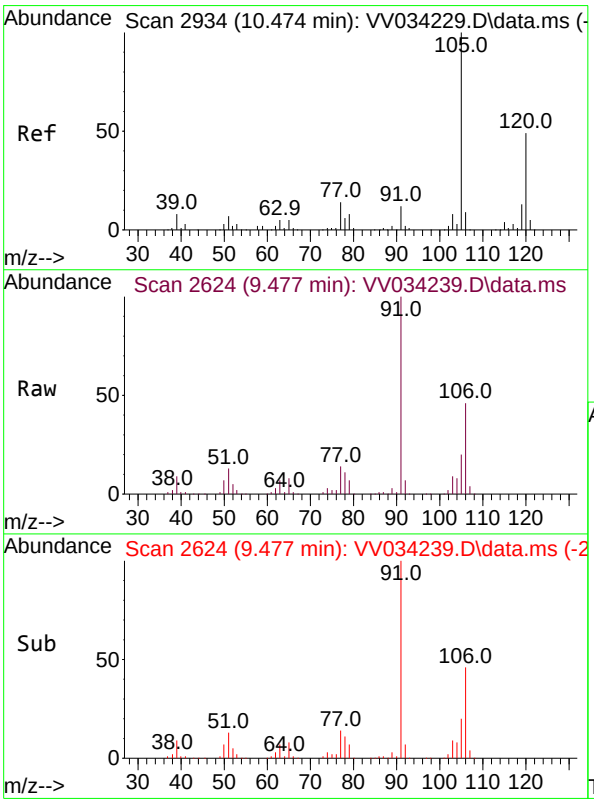
#61
1,2,3-Trichloropropane
Concen: 3.492 ug/L
RT: 9.481 min Scan# 2
Delta R.T. -0.730 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 8453

Ion	Ratio	Lower	Upper
75	100		
77	639.9	26.9	40.3#
110	0.0	33.3	49.9#

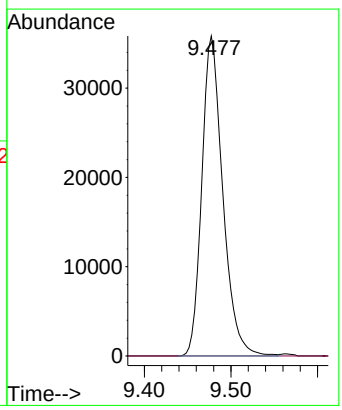


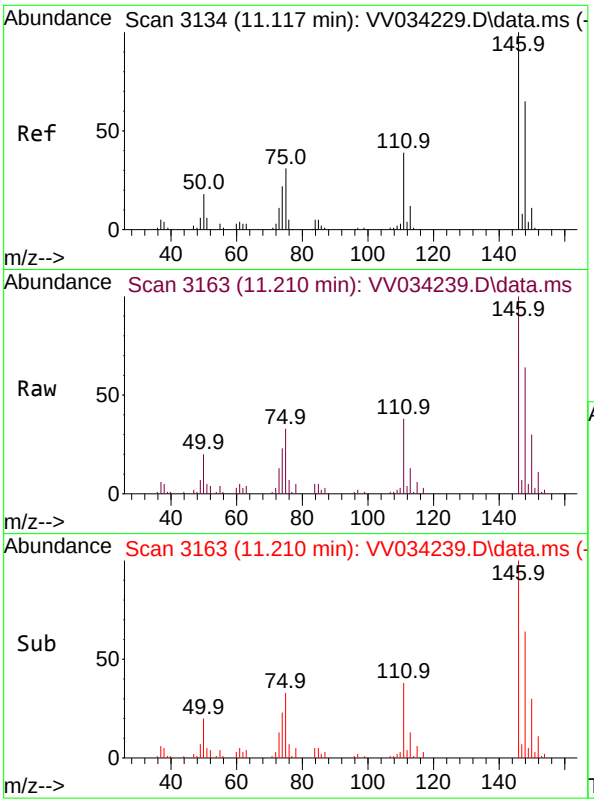


#62
1,3,5-Trimethylbenzene
Concen: 2.738 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.997 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion:105 Resp: 60316

Ion	Ratio	Lower	Upper
105	100		
120	0.0	38.2	57.4#



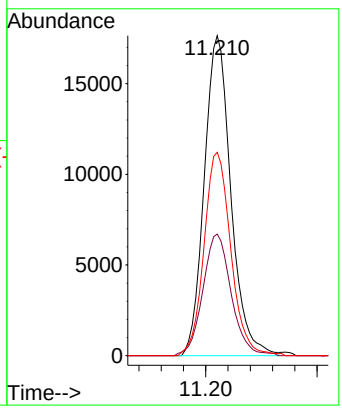


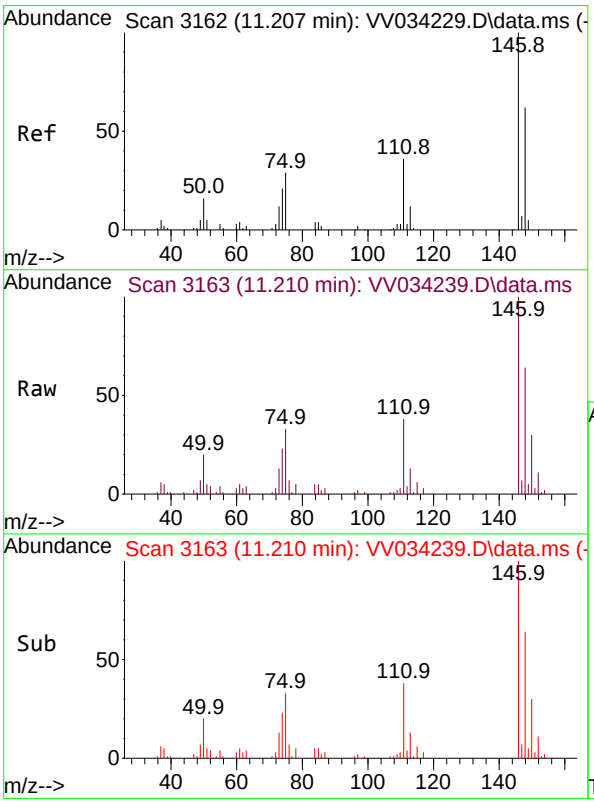
#64
1,3-Dichlorobenzene
Concen: 2.577 ug/L
RT: 11.210 min Scan# 3
Delta R.T. 0.093 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 29275

Ion	Ratio	Lower	Upper
146	100		
111	38.0	28.5	52.9
148	63.5	44.4	82.4

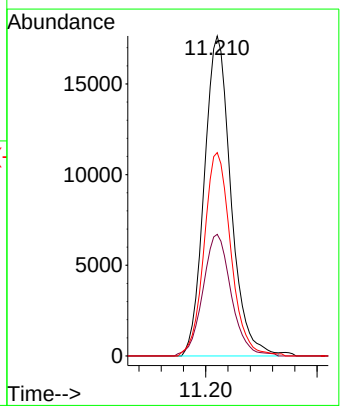


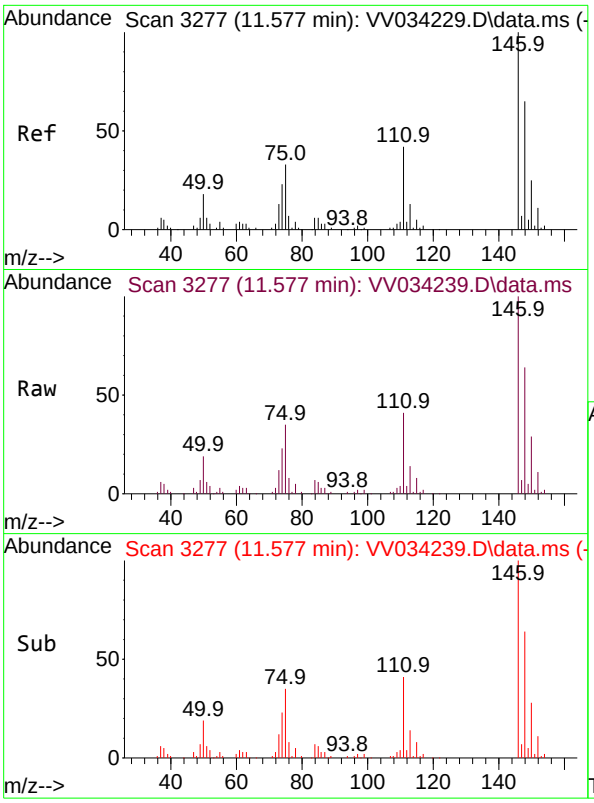


#65
1,4-Dichlorobenzene
Concen: 2.602 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion:146 Resp: 29275

Ion	Ratio	Lower	Upper
146	100		
111	38.0	27.6	51.4
148	63.5	44.8	83.2



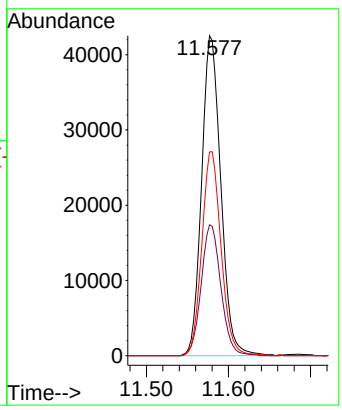


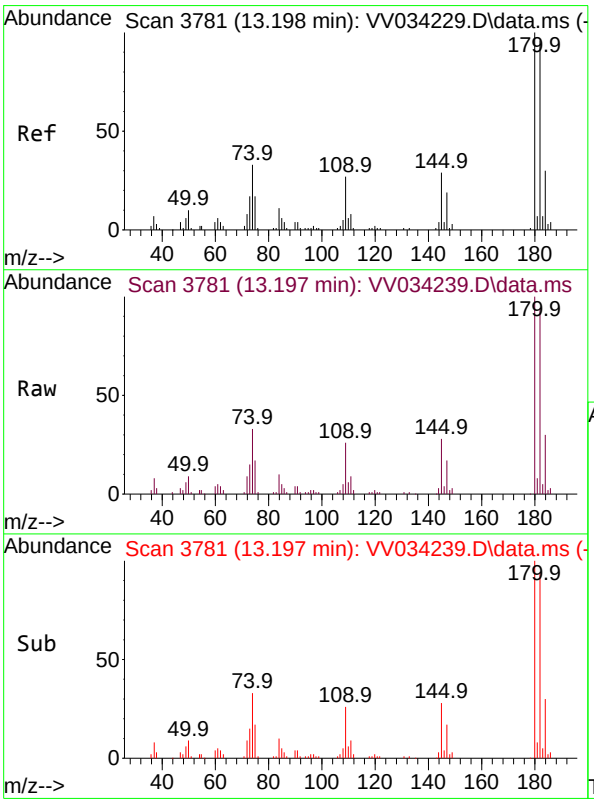
#67
1,2-Dichlorobenzene
Concen: 7.089 ug/L
RT: 11.577 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:146 Resp: 69165

Ion	Ratio	Lower	Upper
146	100		
111	40.9	31.2	46.8
148	63.7	49.8	74.8





#70
1,2,4-trichlorobenzene
Concen: 5.013 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion:180 Resp: 34409

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.8	115.2
145	28.6	24.8	37.2