Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060922\
Data File : VV026088.D
Acq On : 10 Jun 2022 05:18
Operator : SY/MD
Sample : N3273-05
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Quant Time: Jun 10 05:48:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 10 05:25:55 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.625	114	179311	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	176945	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74094	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	88375	8.396	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 168.000%#			
7) Chloroethane-d5	1.581	69	47259	4.294	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 85.800%			
11) 1,1-Dichloroethene-d2	2.121	63	63730	2.621	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 52.400%#			
20) 2-Butanone-d5	3.921	46	107645	69.145	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 138.300%#			
24) Chloroform-d	4.362	84	109734	4.919	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.400%			
26) 1,2-Dichloroethane-d4	5.043	65	46728	5.135	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.800%			
32) Benzene-d6	5.059	84	185512	4.339	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 86.800%			
36) 1,2-Dichloropropane-d6	6.076	67	64948	4.910	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 98.200%			
41) Toluene-d8	7.320	98	142741	3.778	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 75.600%			
43) trans-1,3-Dichloroprop...	7.632	79	13033	3.346	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 67.000%			
46) 2-Hexanone-d5	8.095	63	76315	44.529	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 89.060%			
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42818	4.801	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 96.000%			
66) 1,2-Dichlorobenzene-d4	11.625	152	56072	4.946	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 99.000%			

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.323	50	38610	1.954	ug/L #	45
5) Vinyl chloride	1.323	62	6066532	293.989	ug/L	98
8) Chloroethane	1.323	64	2043174	160.989	ug/L #	42
9) Trichlorofluoromethane	1.767	101	32006	1.217	ug/L	99
12) 1,1-Dichloroethene	2.134	96	1911	0.132	ug/L #	1
14) Carbon disulfide	2.314	76	2833	0.069	ug/L	95
16) Methylene chloride	2.523	84	4599	0.320	ug/L	94
18) trans-1,2-Dichloroethene	2.777	96	22628	1.664	ug/L	95
22) cis-1,2-Dichloroethene	3.928	96	130245	9.715	ug/L	98
33) Benzene	5.117	78	4672	0.084	ug/L	100
34) Trichloroethene	5.918	95	1200725	82.650	ug/L	99
35) Methylcyclohexane	6.079	83	15558	0.695	ug/L #	20
37) 1,2-Dichloropropane	6.076	63	6953	0.516	ug/L #	88
39) cis-1,3-Dichloropropene	6.998	75	1122	0.068	ug/L	89
47) Tetrachloroethene	7.976	164	142525	12.674	ug/L	98
49) Dibromochloromethane	7.976	129	136393	14.278	ug/L #	10
51) Chlorobenzene	8.886	112	7985	0.211	ug/L	95
53) m,p-Xylene	9.146	106	1742	0.074	ug/L	66
54) o-Xylene	9.548	106	3213	0.144	ug/L	72

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060922\
Data File : VV026088.D
Acq On : 10 Jun 2022 05:18
Operator : SY/MD
Sample : N3273-05
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Quant Time: Jun 10 05:48:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 10 05:25:55 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
60) Isopropylbenzene	10.452	105	8002	0.163 ug/L	92
61) 1,2,3-Trichloropropane	11.249	75	9213	1.593 ug/L #	66
63) 1,2,4-Trimethylbenzene	10.918	105	12412	0.320 ug/L	96
71) Naphthalene	13.513	128	979	0.055 ug/L #	69

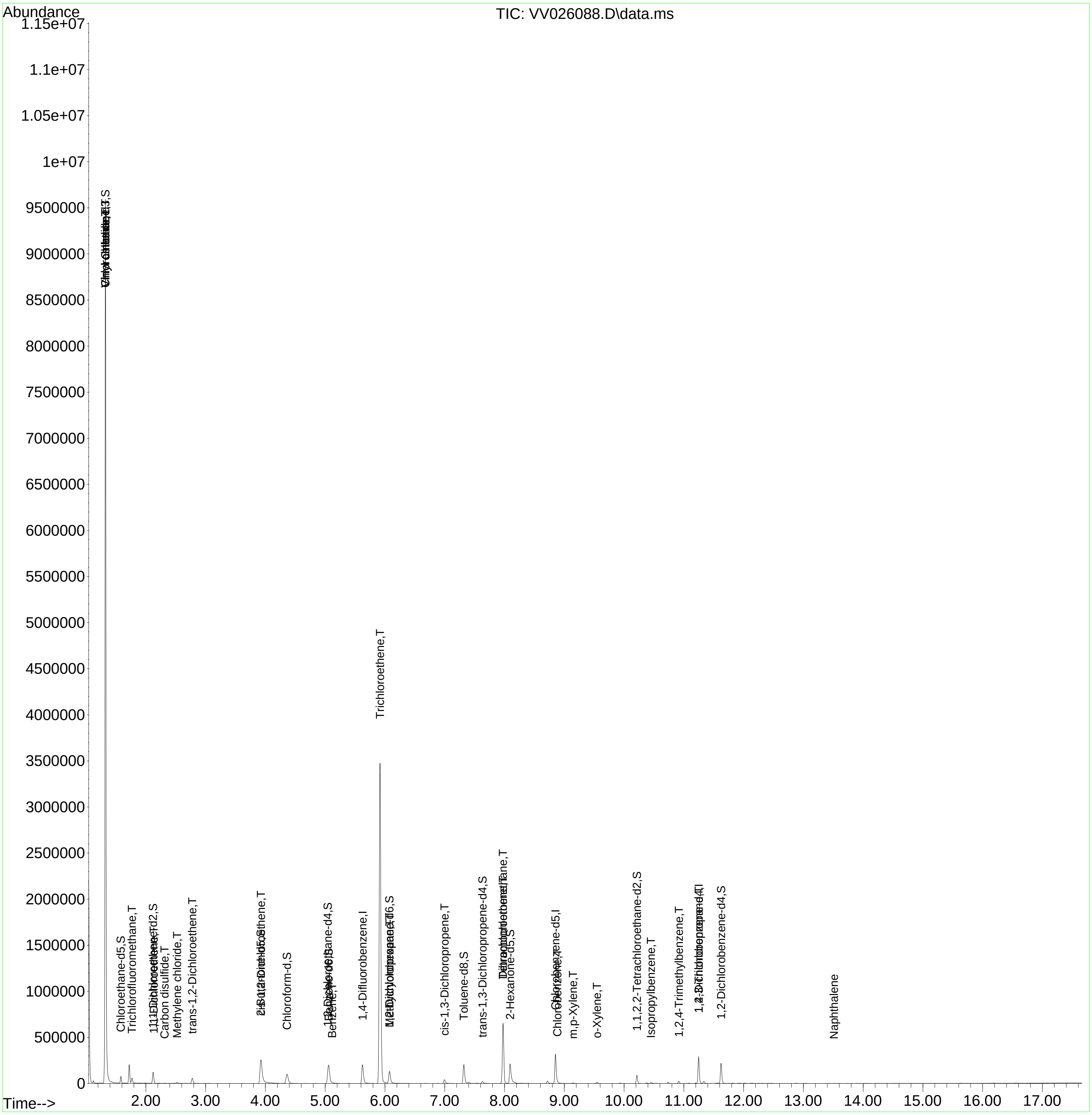
(#) = qualifier out of range (m) = manual integration (+) = signals summed

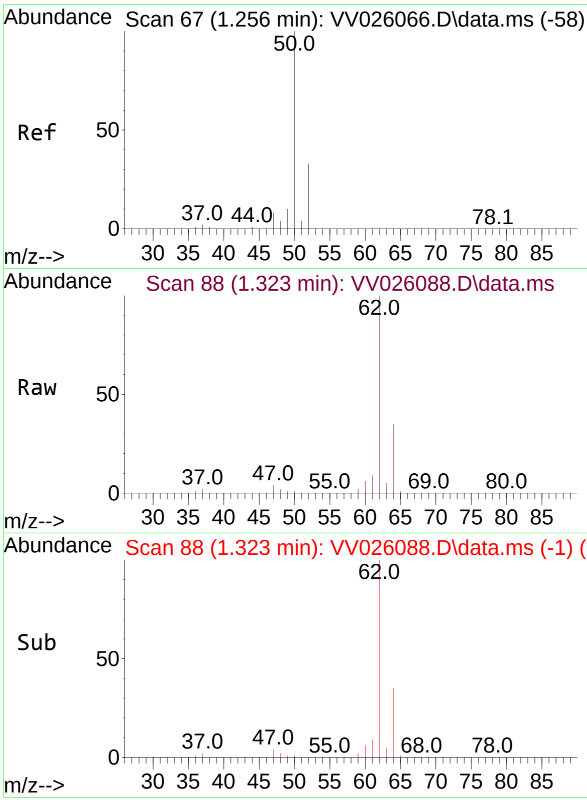
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060922\
Data File : VV026088.D
Acq On : 10 Jun 2022 05:18
Operator : SY/MD
Sample : N3273-05
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Quant Time: Jun 10 05:48:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 10 05:25:55 2022
Response via : Initial Calibration



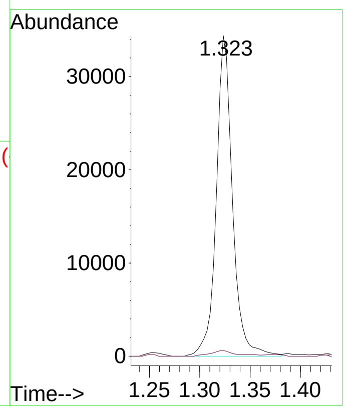


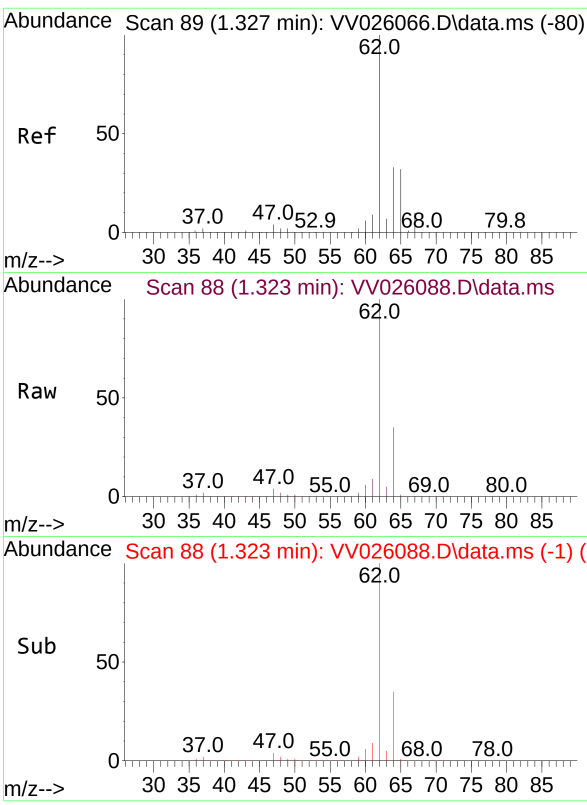
#3
Chloromethane
Concen: 1.954 ug/L
RT: 1.323 min Scan# 8
Delta R.T. 0.067 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Tgt Ion: 50 Resp: 38610

Ion	Ratio	Lower	Upper
50	100		
52	1.8	23.0	42.6#

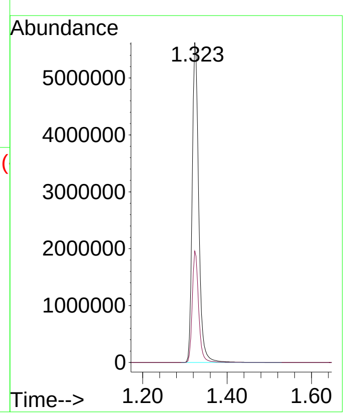




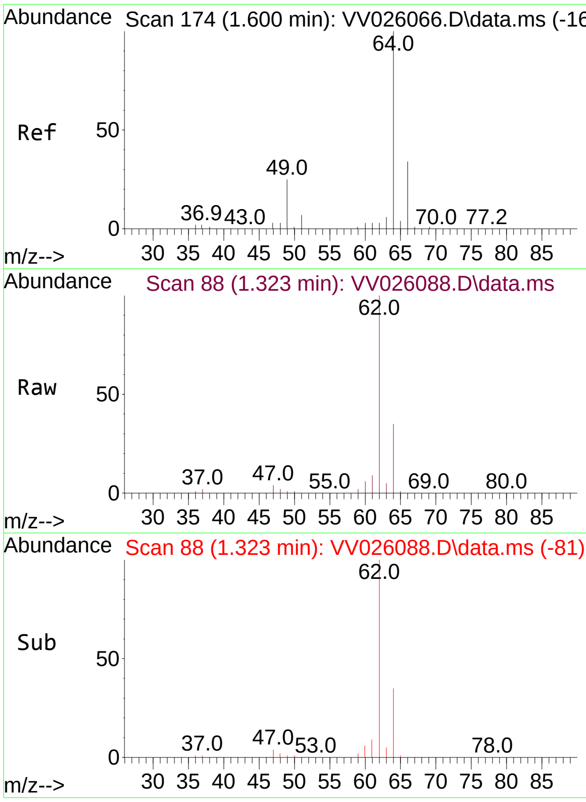
#5
Vinyl chloride
Concen: 293.989 ug/L
RT: 1.323 min Scan# 88
Delta R.T. -0.003 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion: 62 Resp: 6066532

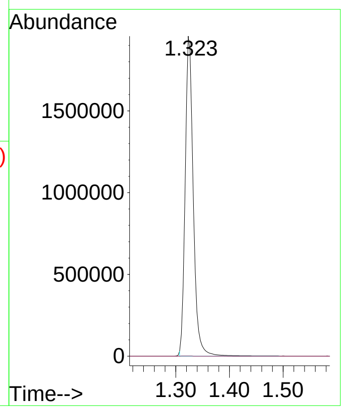
Ion	Ratio	Lower	Upper
62	100		
64	34.8	23.4	43.4

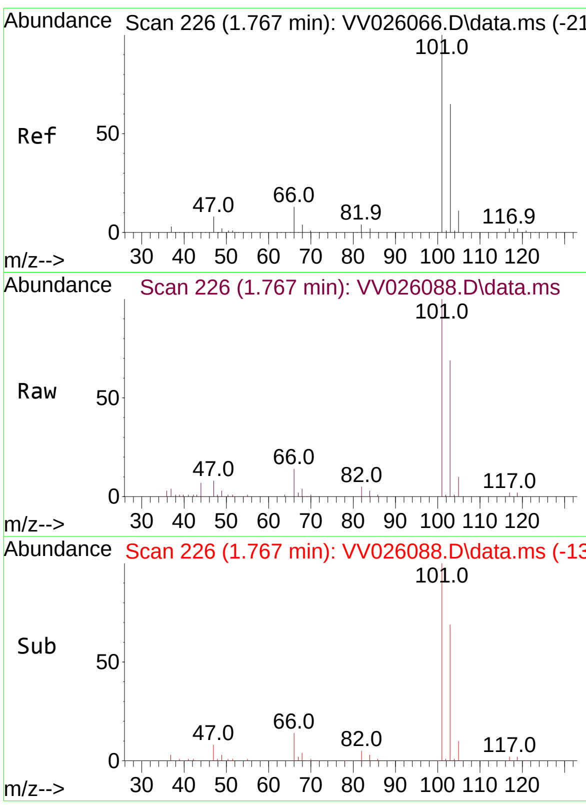


Instrument :
MSVOA_V
ClientSampleId :
C0B75

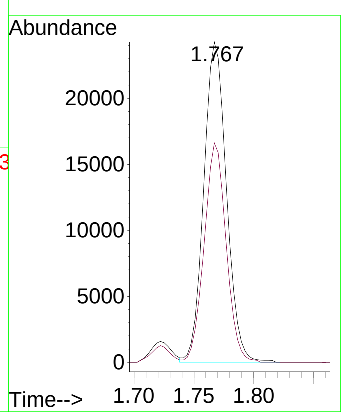


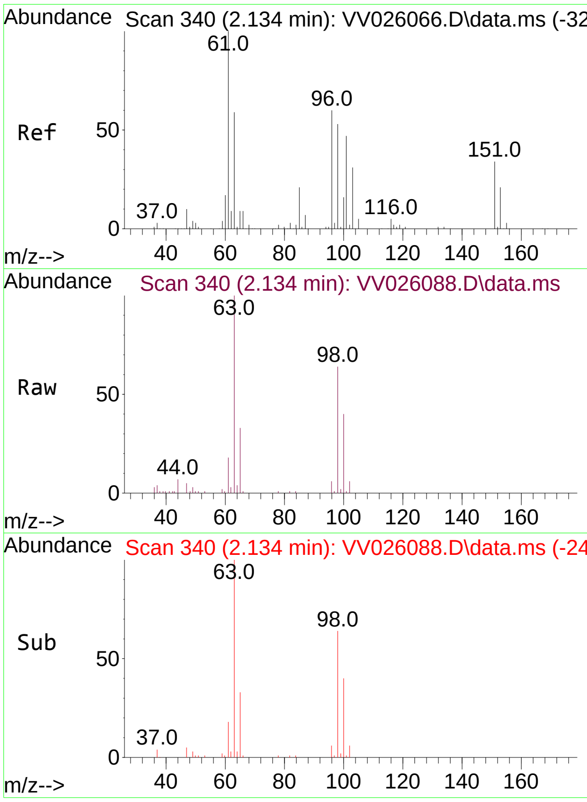

```
#8
Chloroethane
Concen:  160.989 ug/L
RT:   1.323 min  Scan# 88
Delta R.T.  -0.277 min
Lab File:   VV026088.D
Acq: 10 Jun 2022  05:18

Tgt Ion: 64 Resp: 2043174
Ion  Ratio  Lower  Upper
 64  100
 66    0.1   23.0   42.8#
```






```
#9
Trichlorofluoromethane
Concen:    1.217 ug/L
RT:   1.767 min  Scan# 226
Delta R.T.  -0.000 min
Lab File:   VV026088.D
Acq: 10 Jun 2022  05:18

Tgt Ion:101 Resp:   32006
Ion  Ratio  Lower  Upper
101  100
103   66.4   52.6   78.8
```



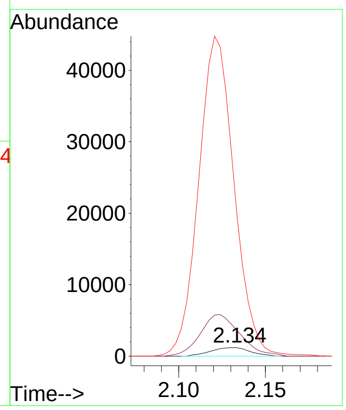


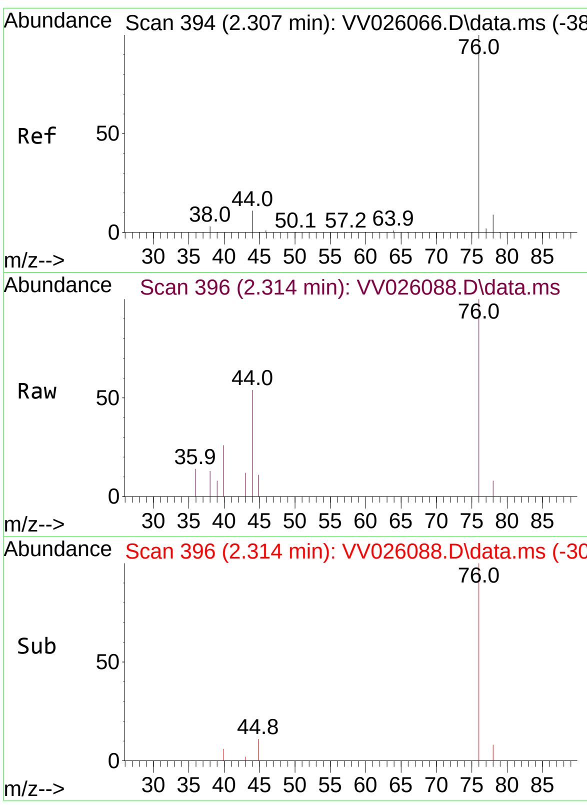
#12
1,1-Dichloroethene
Concen: 0.132 ug/L
RT: 2.134 min Scan# 34
Delta R.T. -0.000 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Tgt Ion: 96 Resp: 1911

Ion	Ratio	Lower	Upper
96	100		
61	303.2	122.6	227.6#
63	1659.6	78.5	145.9#

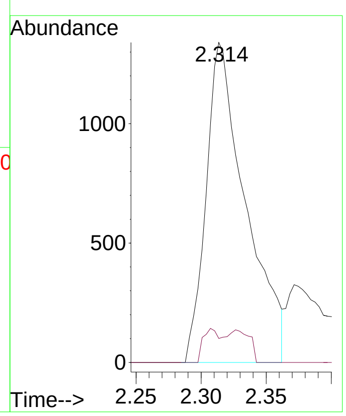


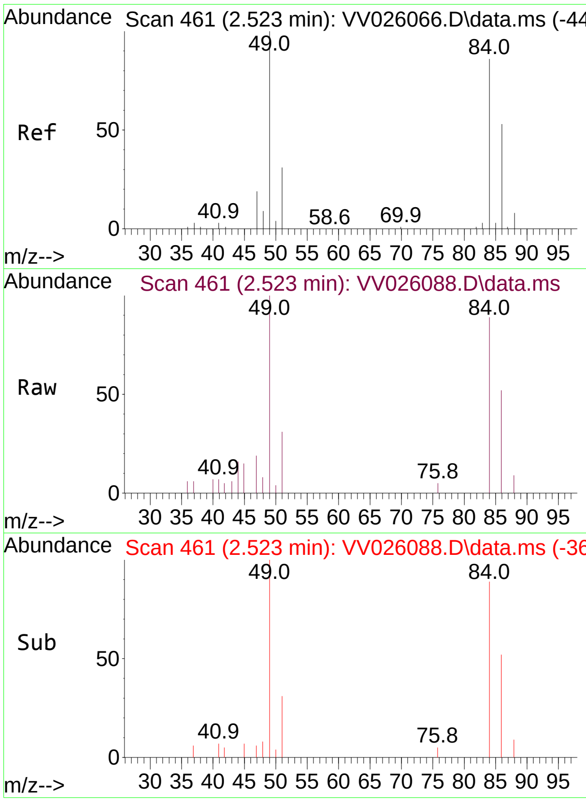


#14
Carbon disulfide
Concen: 0.069 ug/L
RT: 2.314 min Scan# 396
Delta R.T. 0.006 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion: 76 Resp: 2833

Ion	Ratio	Lower	Upper
76	100		
78	7.5	7.4	11.0





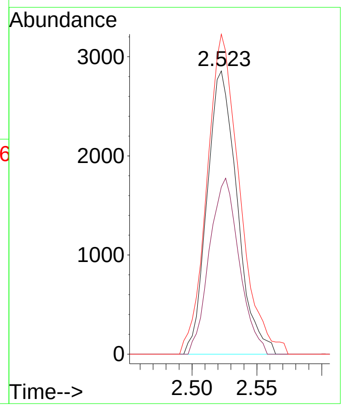
#16
Methylene chloride
Concen: 0.320 ug/L
RT: 2.523 min Scan# 4

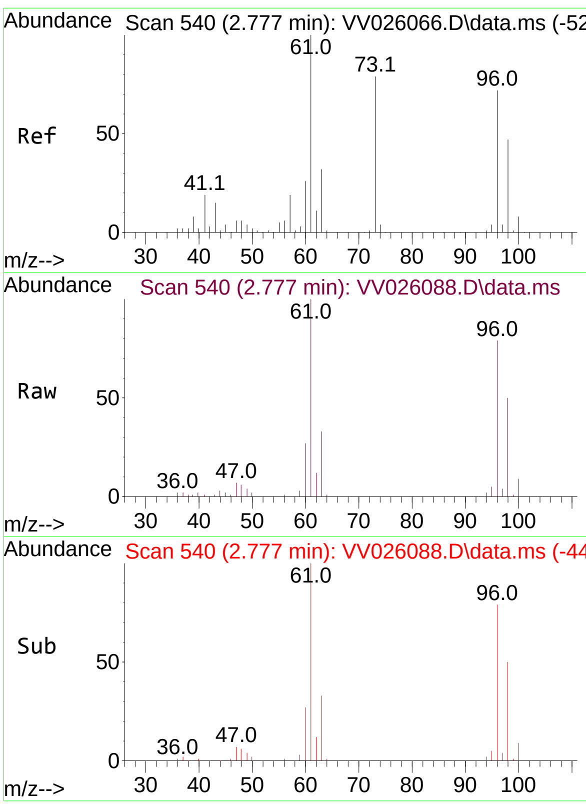
Instrument :
MSVOA_V
ClientSampleId :
C0B75

Delta R.T. -0.000 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion: 84 Resp: 4599

Ion	Ratio	Lower	Upper
84	100		
86	59.0	45.6	84.6
49	113.0	82.9	153.9

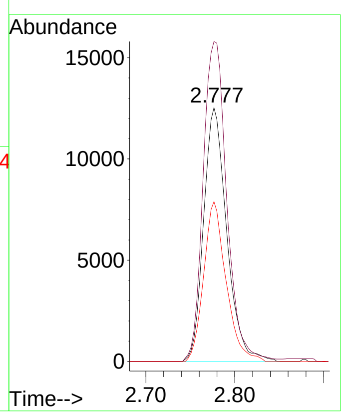


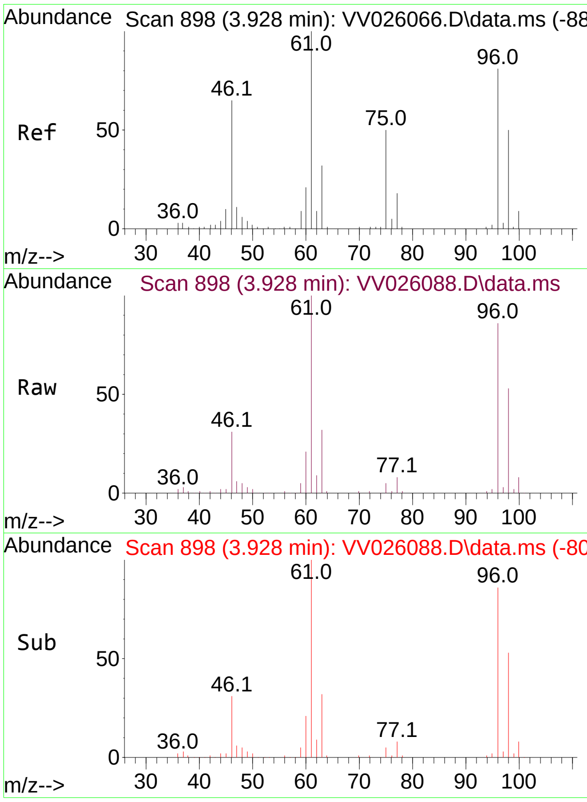


#18
trans-1,2-Dichloroethene
Concen: 1.664 ug/L
RT: 2.777 min Scan# 540
Delta R.T. -0.000 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion: 96 Resp: 22628

Ion	Ratio	Lower	Upper
96	100		
61	126.1	94.3	175.1
98	63.0	44.4	82.5





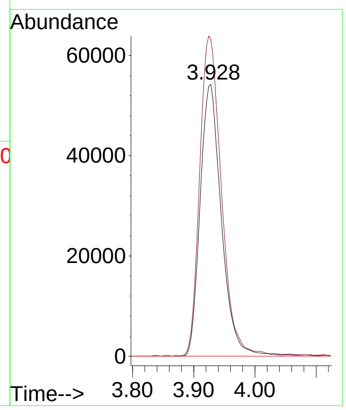
#22
cis-1,2-Dichloroethene
Concen: 9.715 ug/L
RT: 3.928 min   Scan# 89

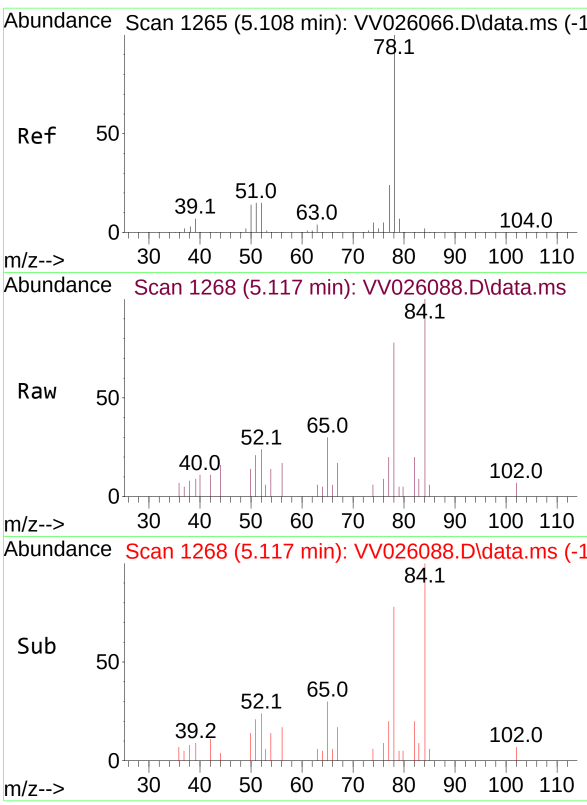
Instrument :
MSVOA_V
ClientSampleId :
C0B75

Delta R.T.   -0.000 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion: 96 Resp: 130245

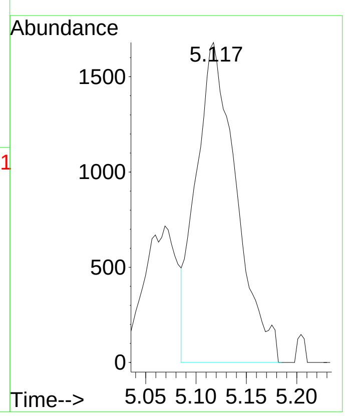
Ion	Ratio	Lower	Upper
96	100		
61	116.7	83.1	154.3
68	0.0	0.0	0.0

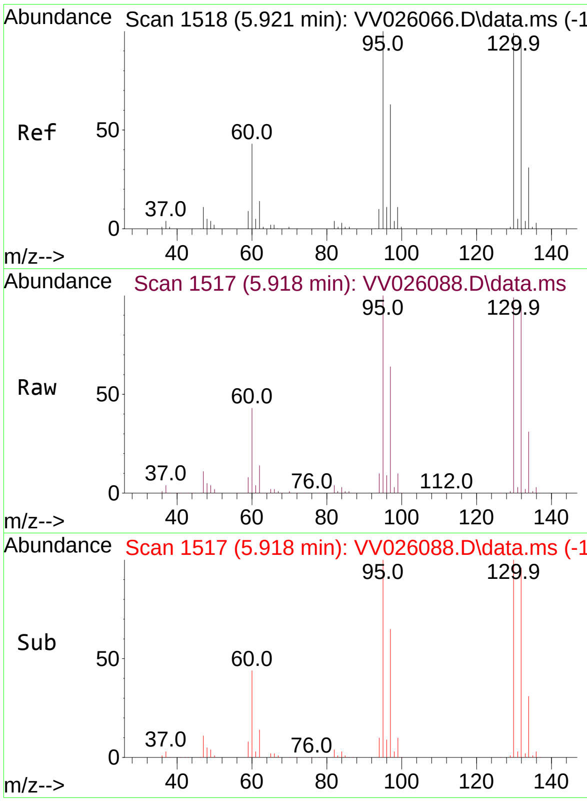




#33
Benzene
Concen: 0.084 ug/L
RT: 5.117 min   Scan# 1268
Delta R.T.   0.010 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion: 78 Resp: 4672



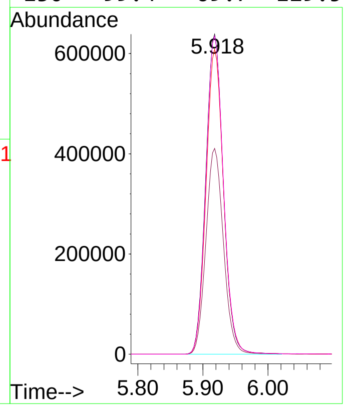


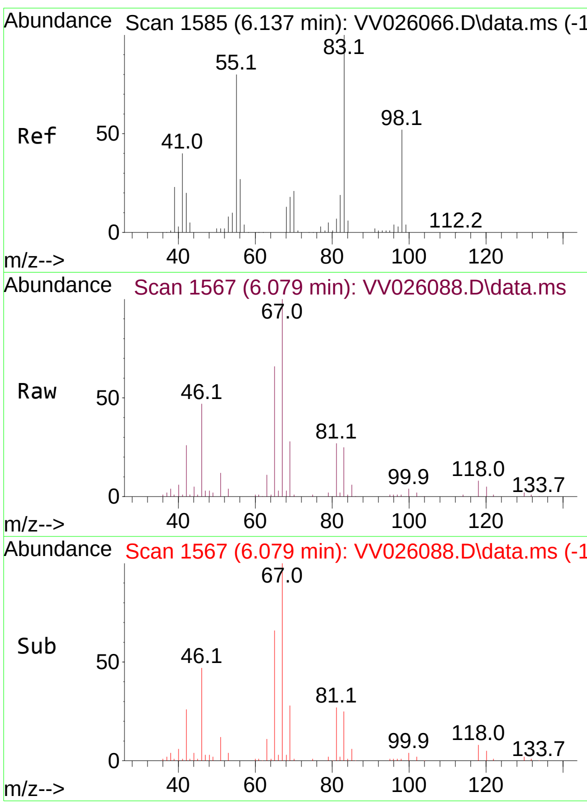
#34
Trichloroethene
Concen: 82.650 ug/L
RT: 5.918 min   Scan# 1
Delta R.T.   -0.003 min
Lab File: VV026088.D
Acq: 10 Jun 2022   05:18

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Tgt Ion: 95 Resp: 1200725

Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.0	81.6
132	95.3	67.5	125.4
130	99.4	69.7	129.5

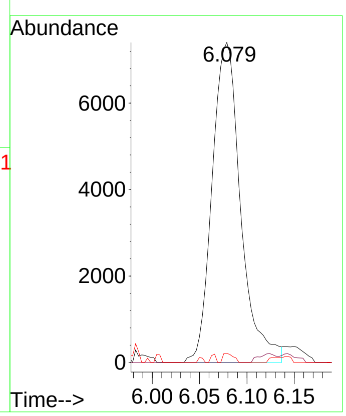


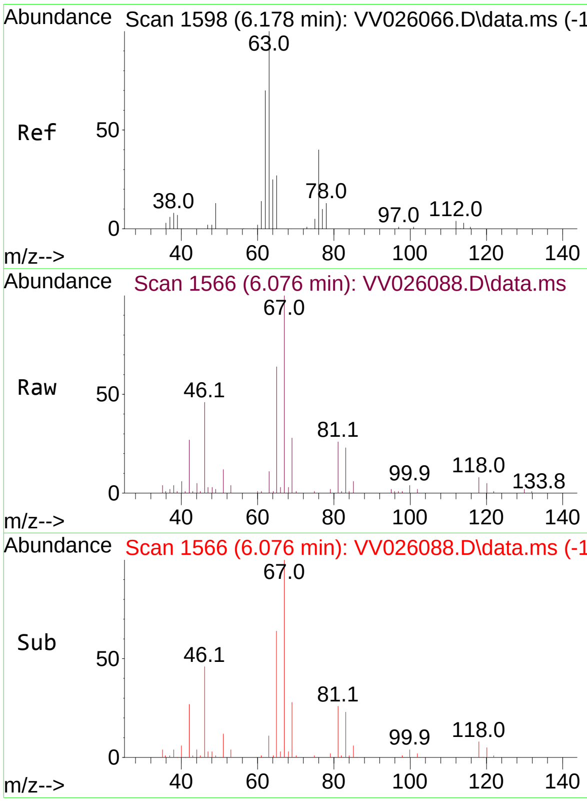


#35
Methylcyclohexane
Concen: 0.695 ug/L
RT: 6.079 min   Scan# 1567
Delta R.T.   -0.058 min
Lab File: VV026088.D
Acq: 10 Jun 2022   05:18

Tgt Ion: 83 Resp: 15558

Ion	Ratio	Lower	Upper
83	100		
55	1.7	59.4	89.0#
98	0.0	38.9	58.3#





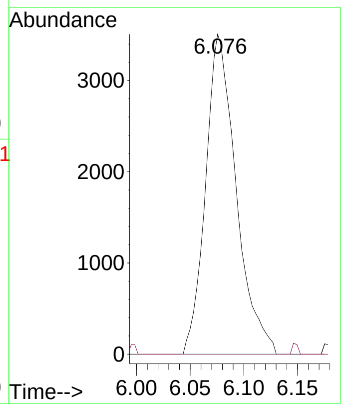
#37
1,2-Dichloropropane
Concen: 0.516 ug/L
RT: 6.076 min Scan# 1

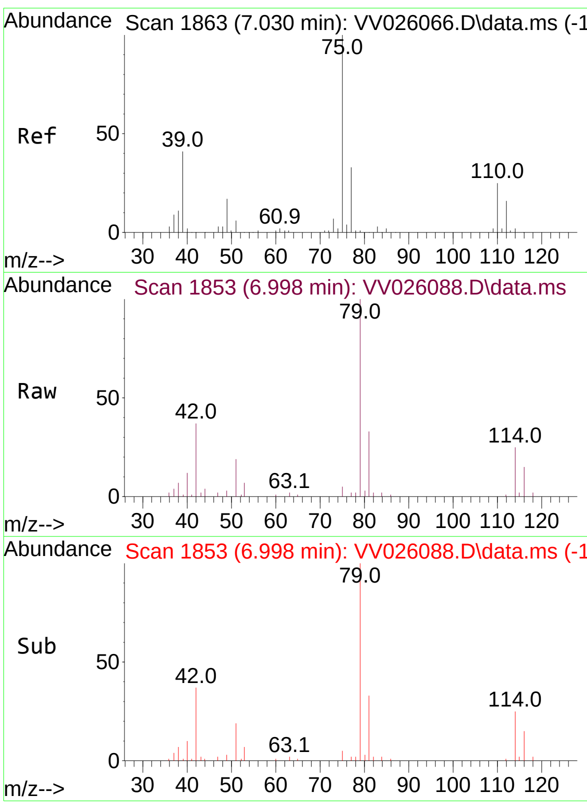
Instrument :
MSVOA_V
ClientSampleId :
C0B75

Delta R.T. -0.103 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion: 63 Resp: 6953

Ion	Ratio	Lower	Upper
63	100		
112	0.6	3.8	5.6#

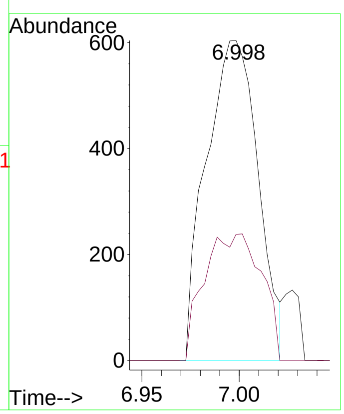


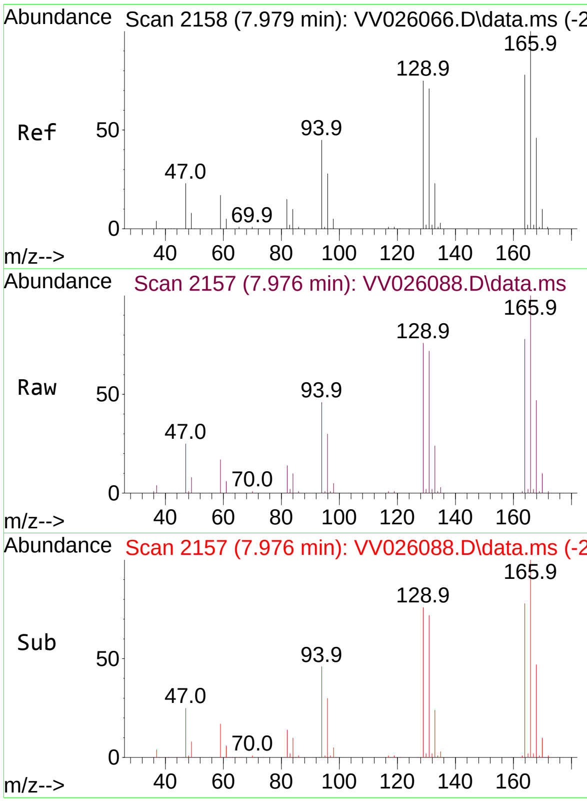


#39
cis-1,3-Dichloropropene
Concen: 0.068 ug/L
RT: 6.998 min Scan# 1853
Delta R.T. -0.032 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion: 75 Resp: 1122

Ion	Ratio	Lower	Upper
75	100		
77	39.4	23.2	43.0



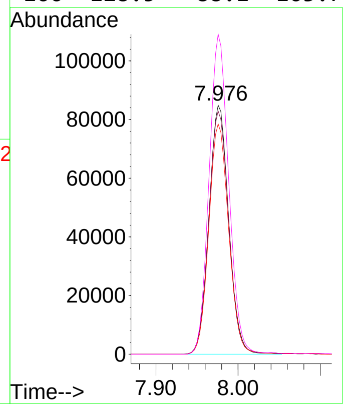


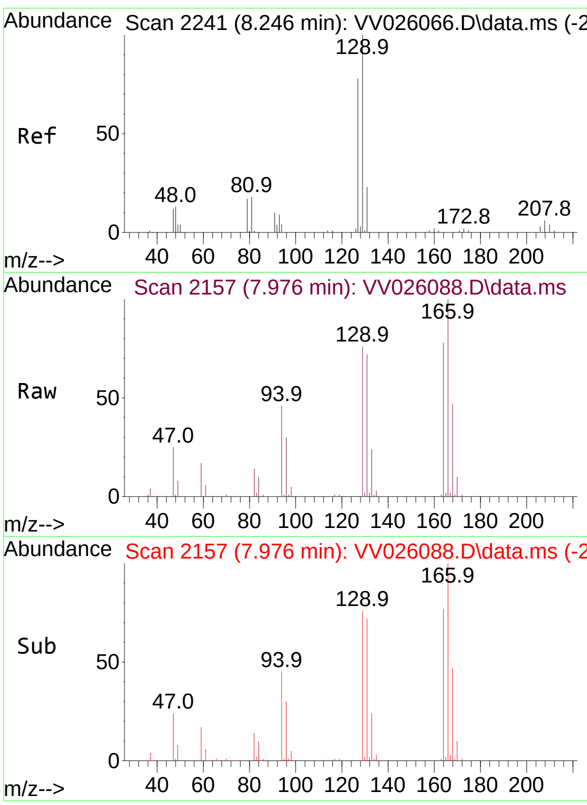
#47
Tetrachloroethene
Concen: 12.674 ug/L
RT: 7.976 min   Scan# 2
Delta R.T.   -0.003 min
Lab File: VV026088.D
Acq: 10 Jun 2022   05:18

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Tgt Ion:164 Resp: 142525

Ion	Ratio	Lower	Upper
164	100		
129	97.7	68.3	126.9
131	92.5	66.5	123.5
166	128.5	88.1	163.7

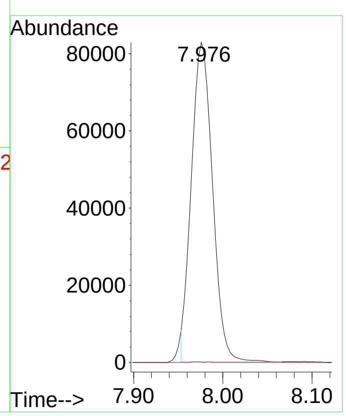


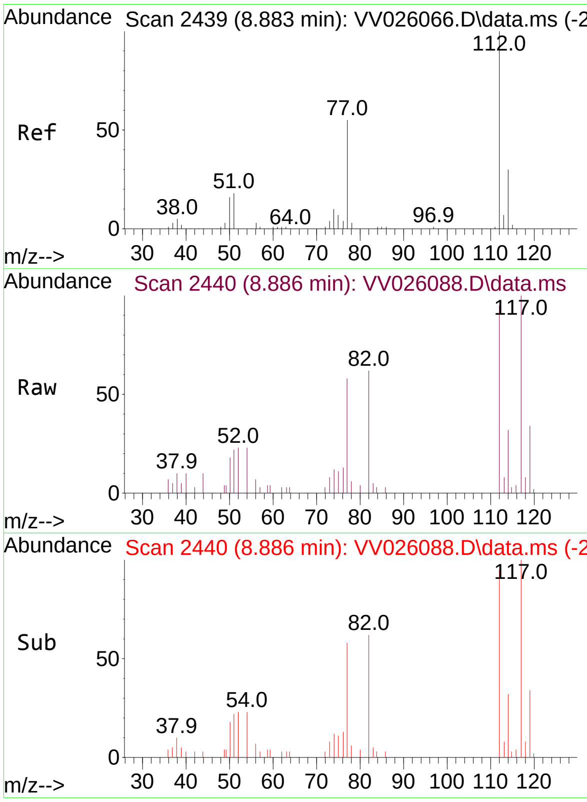


#49
Dibromochloromethane
Concen: 14.278 ug/L
RT: 7.976 min   Scan# 2157
Delta R.T.   -0.270 min
Lab File: VV026088.D
Acq: 10 Jun 2022   05:18

Tgt Ion:129 Resp: 136393

Ion	Ratio	Lower	Upper
129	100		
127	0.1	55.9	103.7#





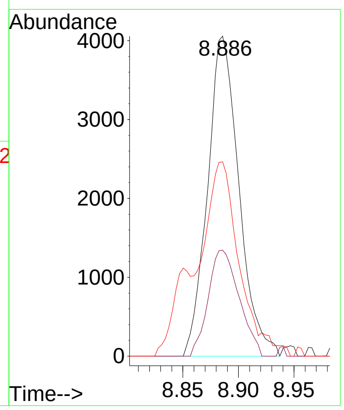
#51
Chlorobenzene
Concen: 0.211 ug/L
RT: 8.886 min Scan# 24

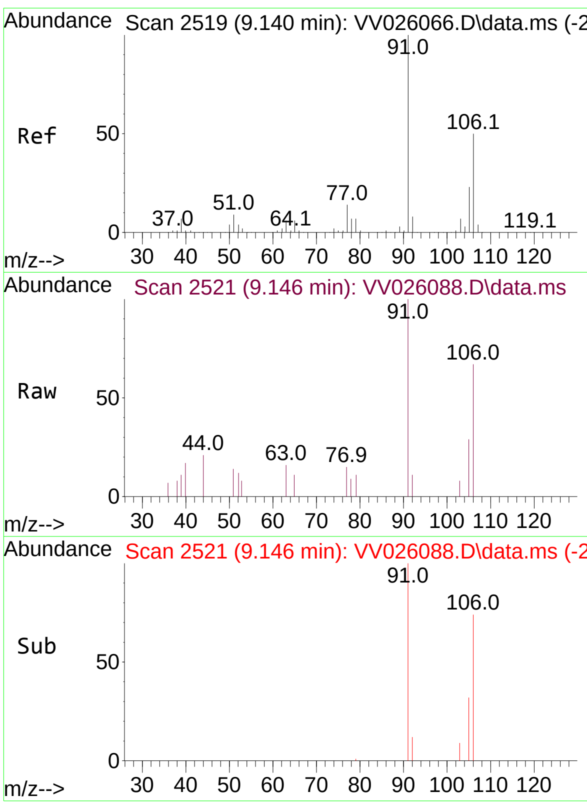
Instrument :
MSVOA_V
ClientSampleId :
C0B75

Delta R.T. 0.003 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion:112 Resp: 7985

Ion	Ratio	Lower	Upper
112	100		
114	33.2	22.3	41.5
77	60.8	44.6	66.8

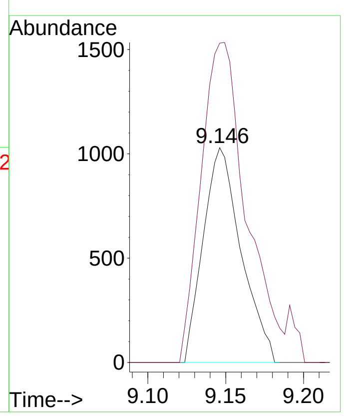


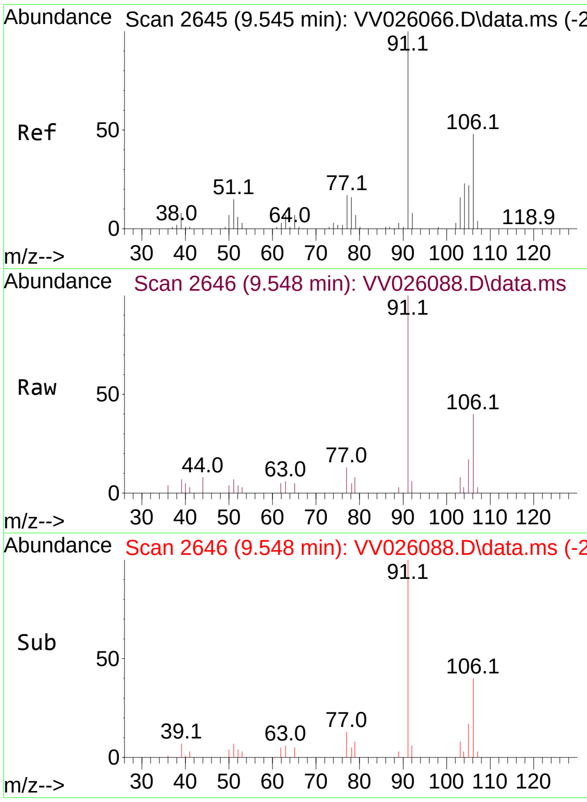


#53
m,p-Xylene
Concen: 0.074 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.006 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion:106 Resp: 1742

Ion	Ratio	Lower	Upper
106	100		
91	148.8	140.4	260.8



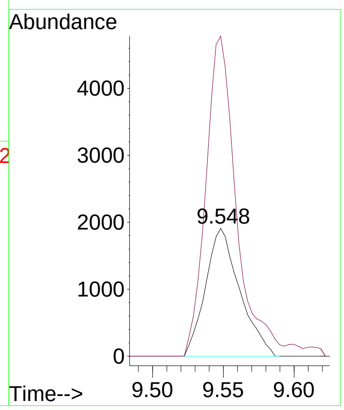


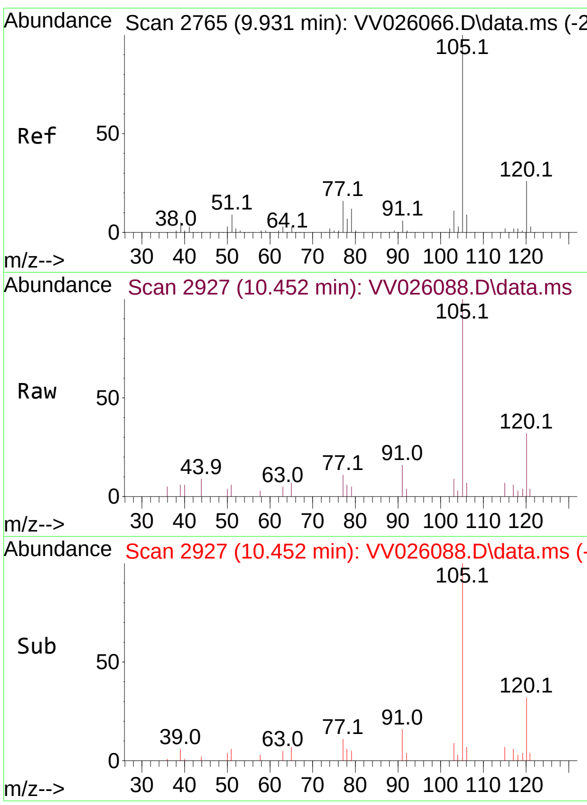
#54
o-Xylene
Concen: 0.144 ug/L
RT: 9.548 min Scan# 2(
Delta R.T. 0.003 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Tgt Ion:106 Resp: 3213

Ion	Ratio	Lower	Upper
106	100		
91	250.4	145.4	270.0

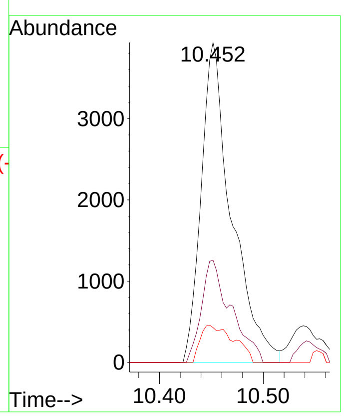


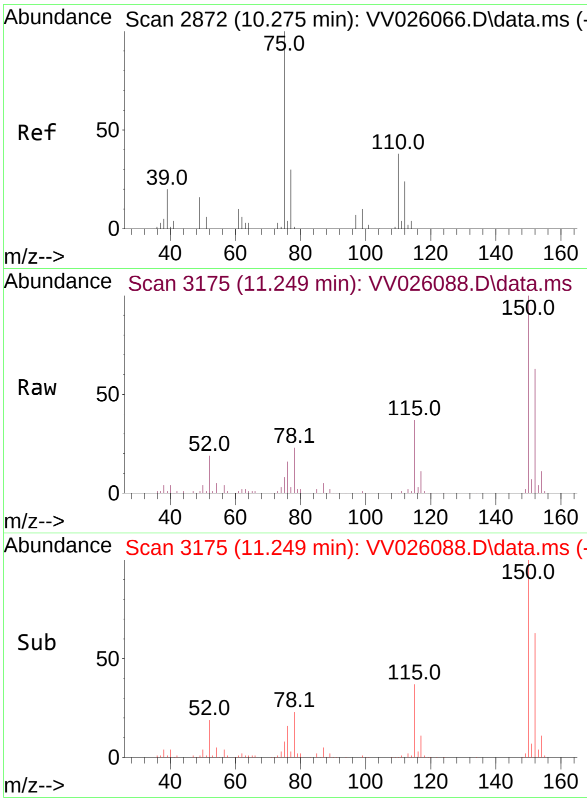


#60
Isopropylbenzene
Concen: 0.163 ug/L
RT: 10.452 min Scan# 2927
Delta R.T. 0.521 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion:105 Resp: 8002

Ion	Ratio	Lower	Upper
105	100		
120	31.1	21.3	31.9
77	12.8	12.4	18.6



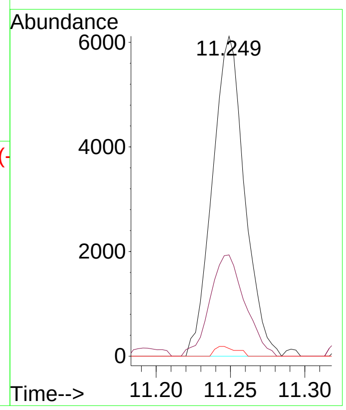


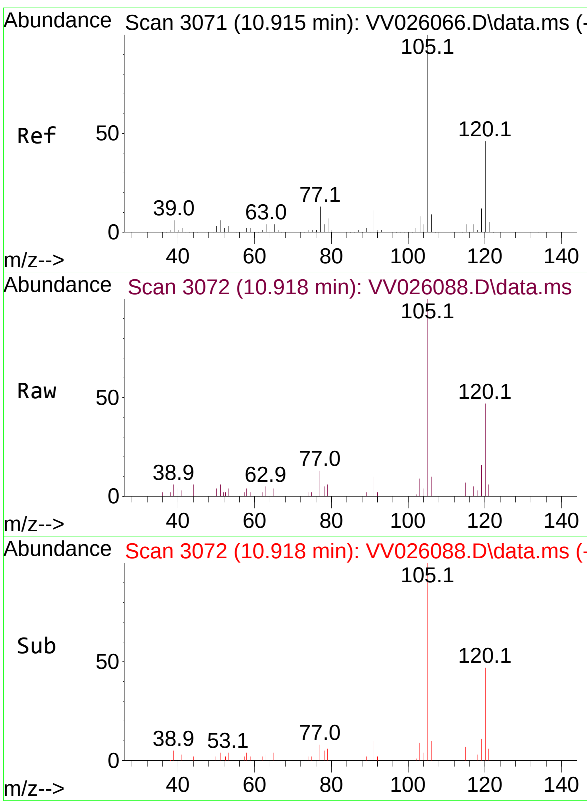
#61
1,2,3-Trichloropropane
Concen: 1.593 ug/L
RT: 11.249 min Scan# 3
Delta R.T. 0.974 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Tgt Ion: 75 Resp: 9213

Ion	Ratio	Lower	Upper
75	100		
77	34.4	26.6	40.0
110	2.0	32.0	48.0#

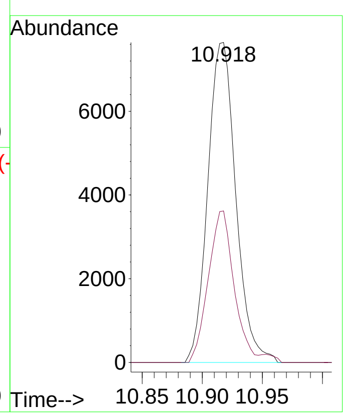


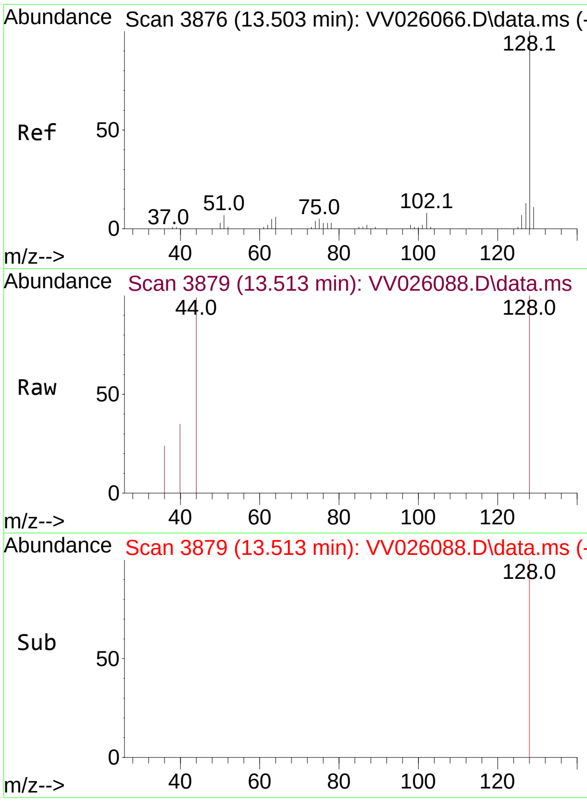


#63
1,2,4-Trimethylbenzene
Concen: 0.320 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Tgt Ion:105 Resp: 12412

Ion	Ratio	Lower	Upper
105	100		
120	43.4	36.7	55.1





#71
Naphthalene
Concen: 0.055 ug/L
RT: 13.513 min Scan# 38
Delta R.T. 0.010 min
Lab File: VV026088.D
Acq: 10 Jun 2022 05:18

Instrument :
MSVOA_V
ClientSampleId :
C0B75

Tgt Ion:128 Resp: 979

Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.7	13.1#
127	0.0	10.3	15.5#