Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV011624\
Data File : VV033680.D
Acq On : 16 Jan 2024 18:56
Operator : SY/MD
Sample : P1131-18
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

Quant Time: Jan 17 00:15:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 17 00:08:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	102217	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	92997	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	47833	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	21316	3.813	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 76.200%			
7) Chloroethane-d5	1.526	69	22212	4.481	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 89.600%			
11) 1,1-Dichloroethene-d2	2.050	65	11233	4.459	ug/L	-0.01
Spiked Amount 5.000	Range 60 - 125		Recovery = 89.200%			
20) 2-Butanone-d5	3.876	46	65021	47.578	ug/L	0.06
Spiked Amount 50.000	Range 40 - 130		Recovery = 95.160%			
24) Chloroform-d	4.243	84	55916	4.626	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 92.600%			
26) 1,2-Dichloroethane-d4	4.937	65	29771	5.493	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 109.800%			
32) Benzene-d6	4.947	84	100136	4.463	ug/L	-0.01
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.200%			
36) 1,2-Dichloropropane-d6	5.989	67	36952	4.939	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 98.800%			
41) Toluene-d8	7.239	98	95392	4.762	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 95.200%			
43) trans-1,3-Dichloroprop...	7.558	79	12205	4.719	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 94.400%			
46) 2-Hexanone-d5	8.043	63	58273	57.387	ug/L	0.02
Spiked Amount 50.000	Range 45 - 130		Recovery = 114.780%			
56) 1,1,2,2-Tetrachloroeth...	10.156	84	23312	5.333	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 106.600%			
66) 1,2-Dichlorobenzene-d4	11.561	152	36695	4.996	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.000%			
Target Compounds						Qvalue
5) Vinyl chloride	1.275	62	64532	6.069	ug/L	99
18) trans-1,2-Dichloroethene	2.680	96	2110	0.259	ug/L	79
19) 1,1-Dichloroethane	3.101	63	11498	0.711	ug/L	92
22) cis-1,2-Dichloroethene	3.802	96	120481	14.137	ug/L	97
30) Cyclohexane	4.561	56	5530	0.350	ug/L	87
33) Benzene	4.995	78	43660	1.322	ug/L	100
35) Methylcyclohexane	6.027	83	3917	0.263	ug/L #	60
42) Toluene	7.317	91	5446	0.156	ug/L	94
51) Chlorobenzene	8.812	112	84487	3.950	ug/L	98
53) m,p-Xylene	9.075	106	5062	0.339	ug/L	95
54) o-Xylene	9.484	106	801	0.055	ug/L	99
60) Isopropylbenzene	9.866	105	6973	0.184	ug/L #	85
64) 1,3-Dichlorobenzene	11.117	146	34598	2.067	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	221980	13.545	ug/L	98
67) 1,2-Dichlorobenzene	11.580	146	63490	4.365	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	4980	0.460	ug/L #	73

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

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

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Data File : VV033680.D
Acq On : 16 Jan 2024 18:56
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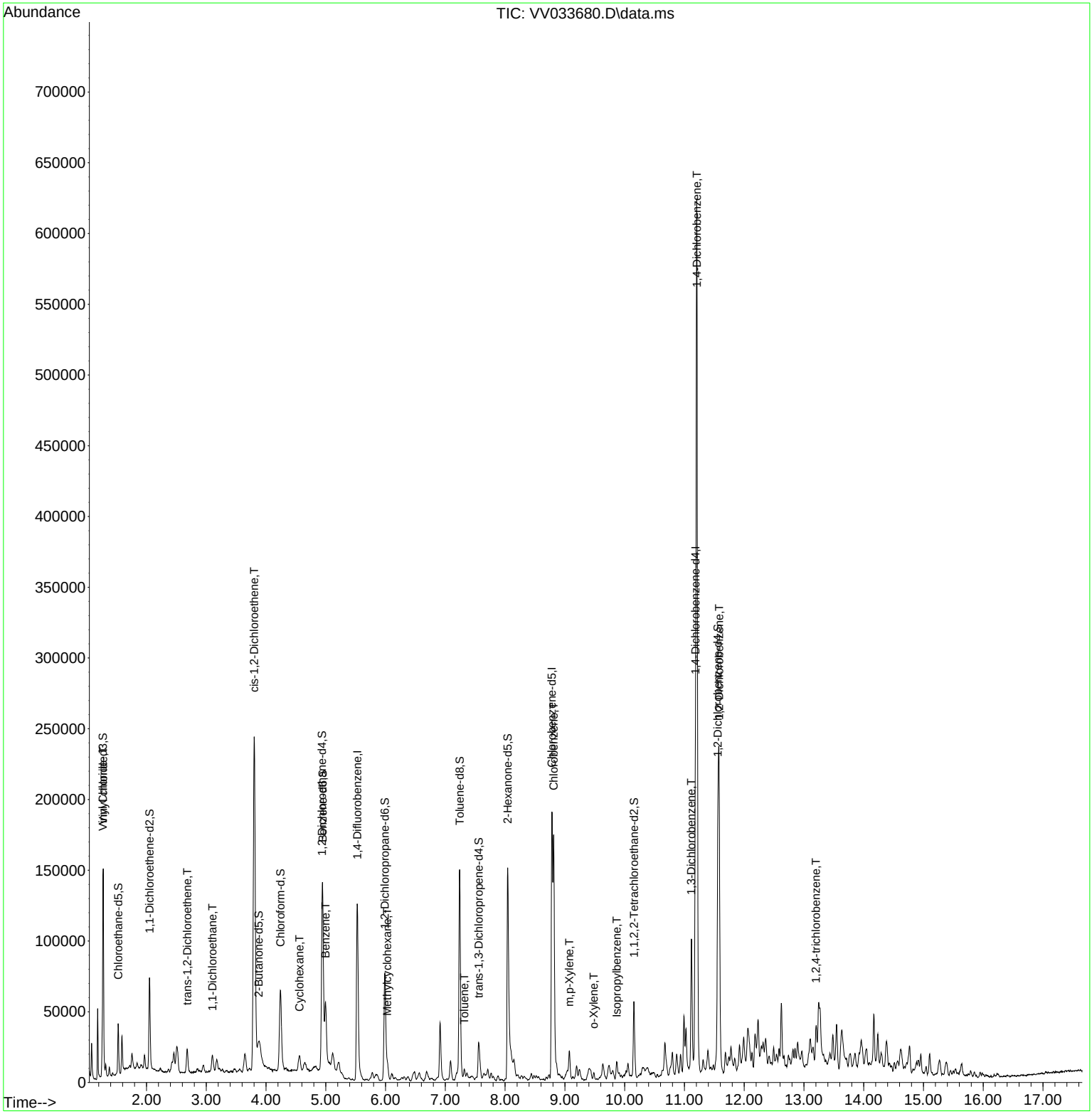
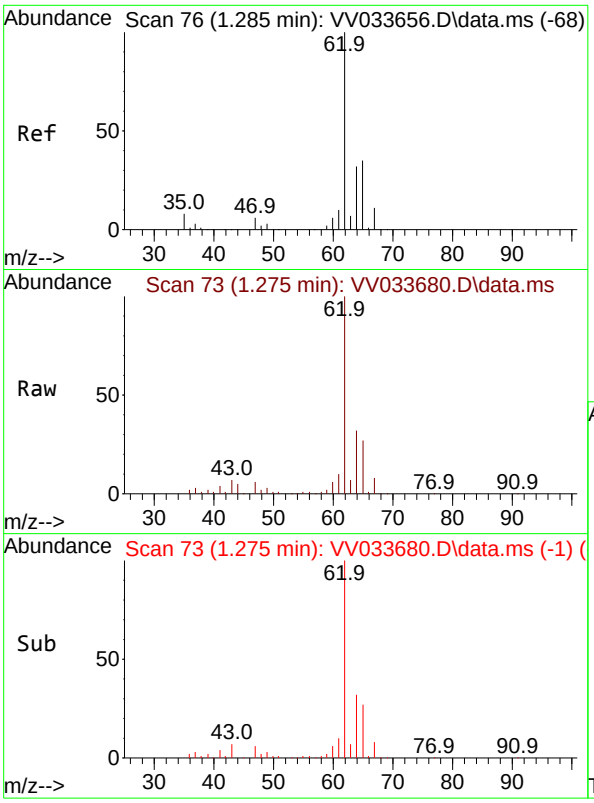
Quant Time: Jan 17 00:15:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jan 17 00:08:33 2024
Response via : Initial Calibration



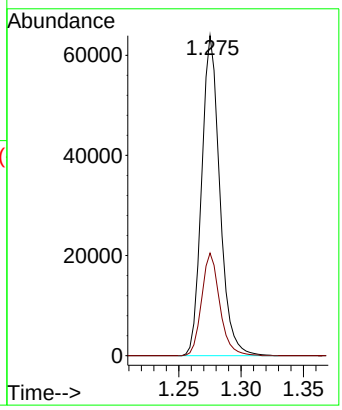


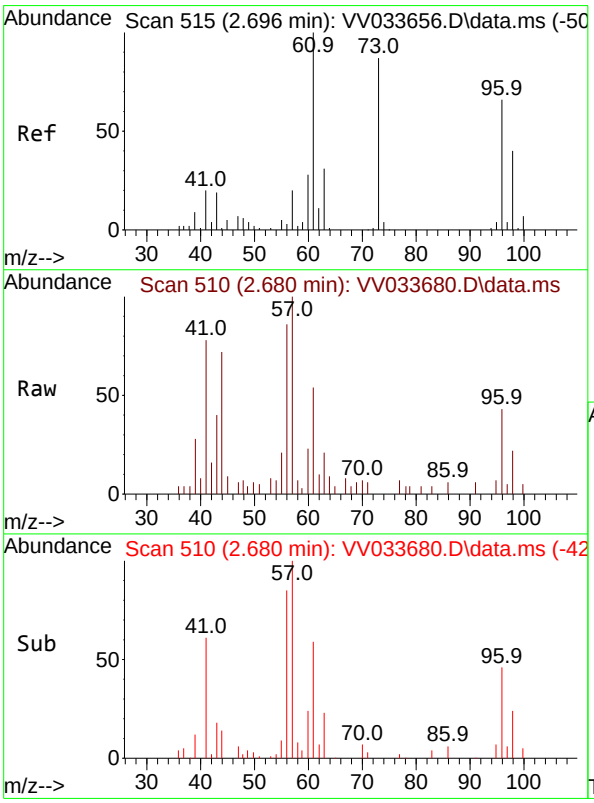
#5
Vinyl chloride
Concen: 6.069 ug/L
RT: 1.275 min Scan# 7
Delta R.T. -0.010 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

Tgt Ion: 62 Resp: 64532

Ion	Ratio	Lower	Upper
62	100		
64	32.1	23.0	42.8

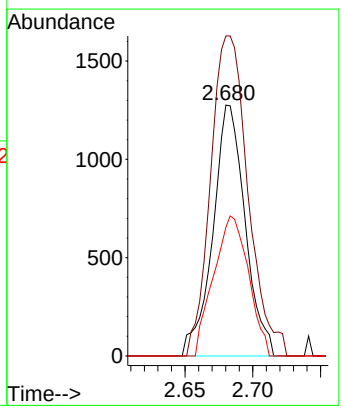


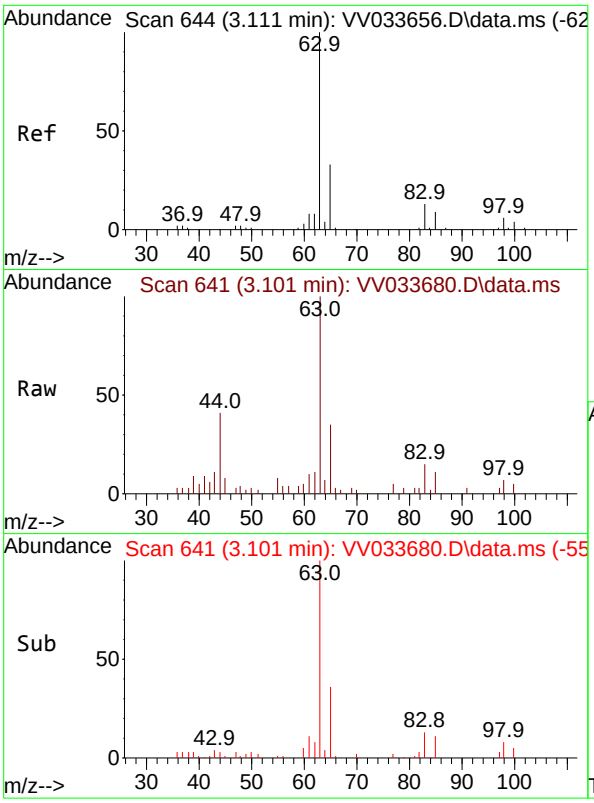


#18
trans-1,2-Dichloroethene
Concen: 0.259 ug/L
RT: 2.680 min Scan# 510
Delta R.T. -0.016 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Tgt Ion: 96 Resp: 2110

Ion	Ratio	Lower	Upper
96	100		
61	127.6	110.4	205.0
98	51.3	44.1	81.9



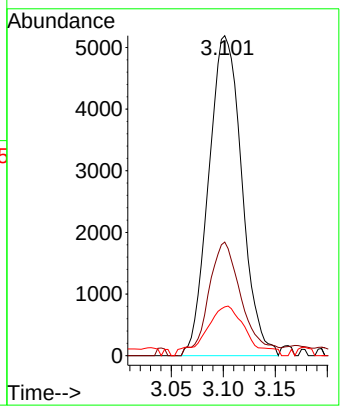


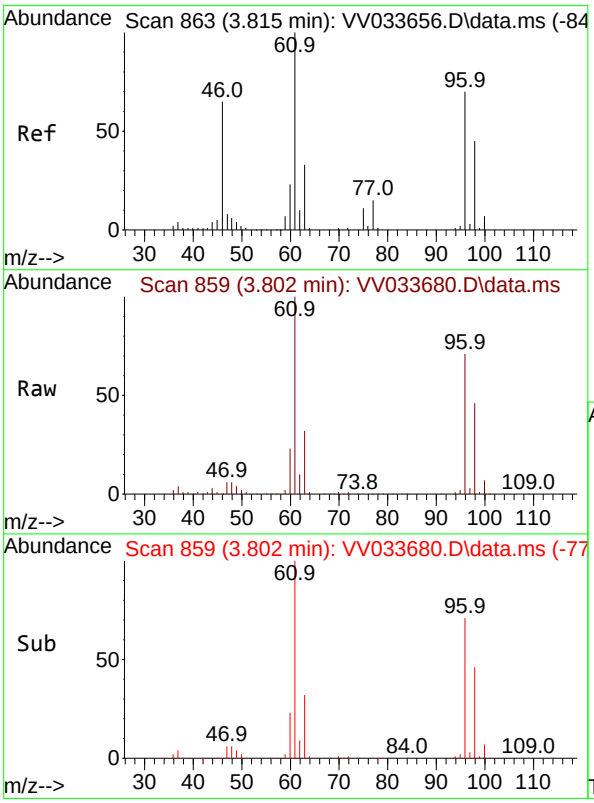
#19
1,1-Dichloroethane
Concen: 0.711 ug/L
RT: 3.101 min Scan# 64
Delta R.T. -0.010 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

Tgt Ion: 63 Resp: 11498

Ion	Ratio	Lower	Upper
63	100		
65	35.5	21.6	40.2
83	15.3	9.1	16.9

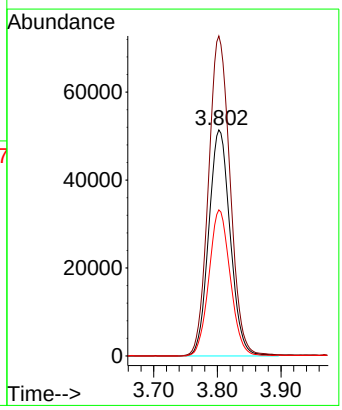


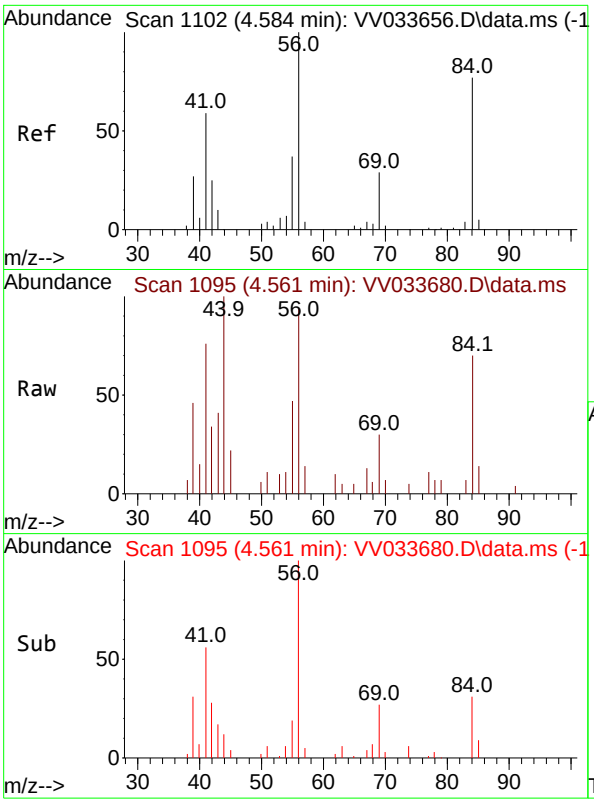


#22
cis-1,2-Dichloroethene
Concen: 14.137 ug/L
RT: 3.802 min Scan# 859
Delta R.T. -0.013 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Tgt Ion: 96 Resp: 120481

Ion	Ratio	Lower	Upper
96	100		
61	141.5	97.1	180.3
98	64.6	42.6	79.0



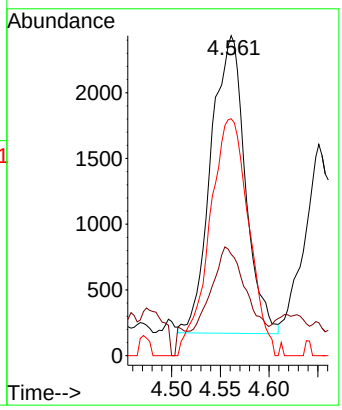


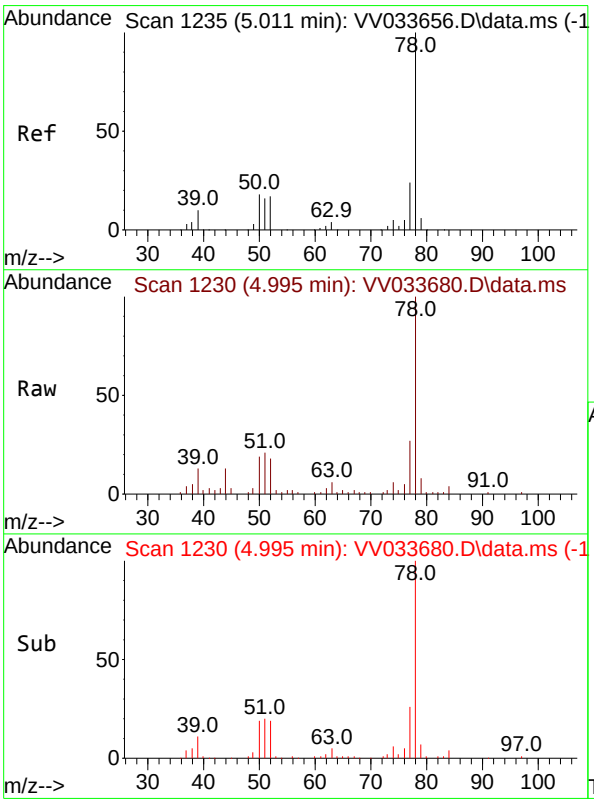
#30
Cyclohexane
Concen: 0.350 ug/L
RT: 4.561 min Scan# 1
Delta R.T. -0.023 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

Tgt Ion: 56 Resp: 5530

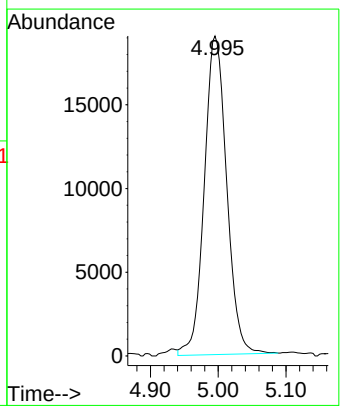
Ion	Ratio	Lower	Upper
56	100		
69	26.1	23.3	34.9
84	90.8	61.7	92.5

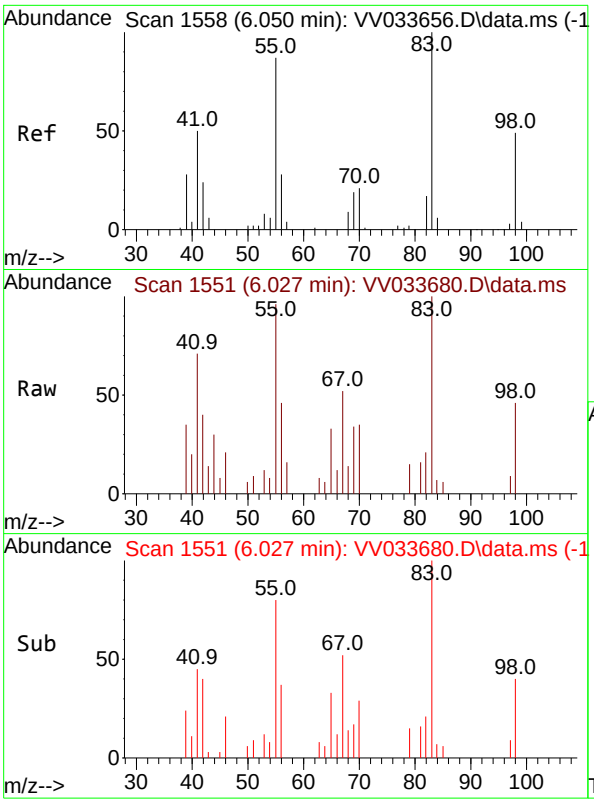




#33
Benzene
Concen: 1.322 ug/L
RT: 4.995 min Scan# 1230
Delta R.T. -0.016 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Tgt Ion: 78 Resp: 43660



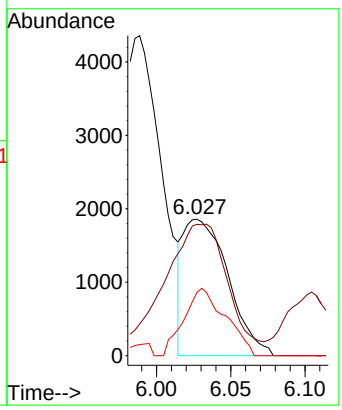


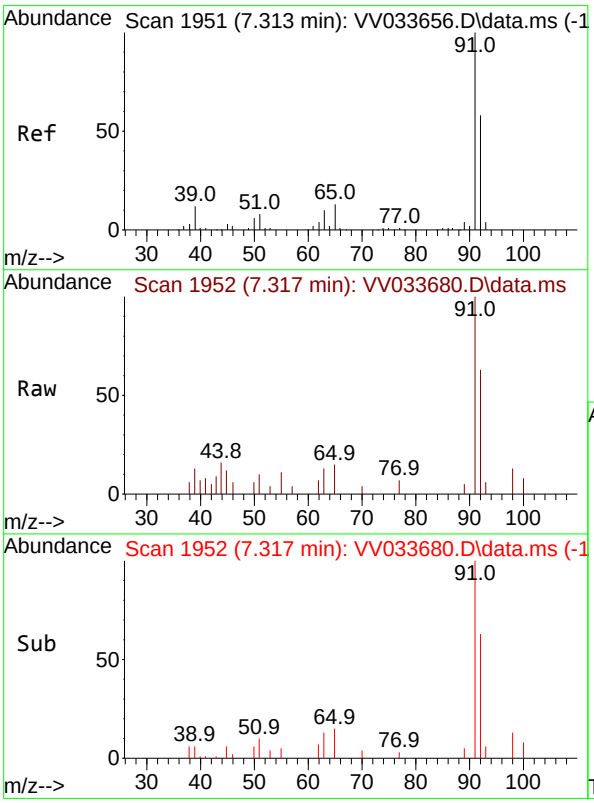
#35
Methylcyclohexane
Concen: 0.263 ug/L
RT: 6.027 min Scan# 1
Delta R.T. -0.023 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

Tgt Ion: 83 Resp: 3917

Ion	Ratio	Lower	Upper
83	100		
55	140.9	68.7	103.1#
98	45.6	38.3	57.5

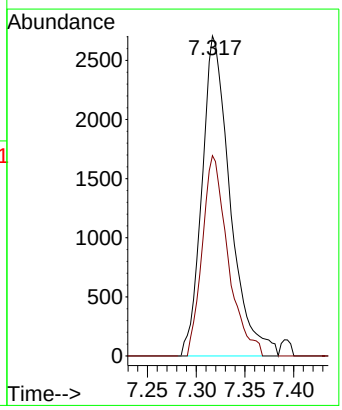


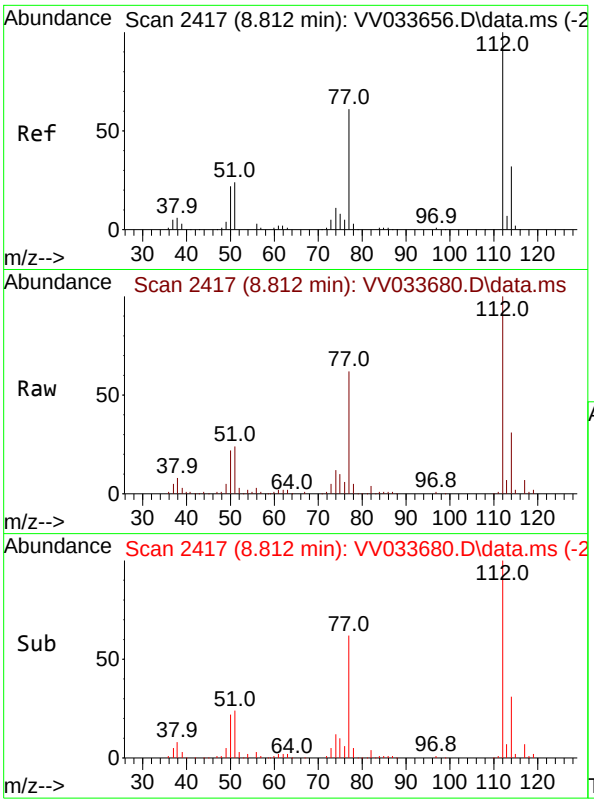


#42
Toluene
Concen: 0.156 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. 0.003 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Tgt Ion: 91 Resp: 5446

Ion	Ratio	Lower	Upper
91	100		
92	62.6	40.5	75.3



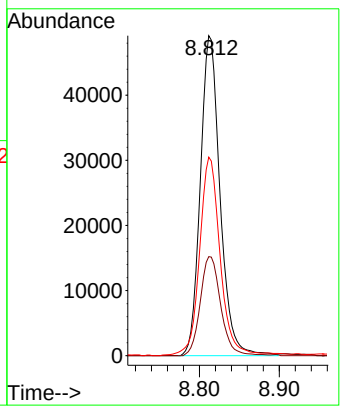


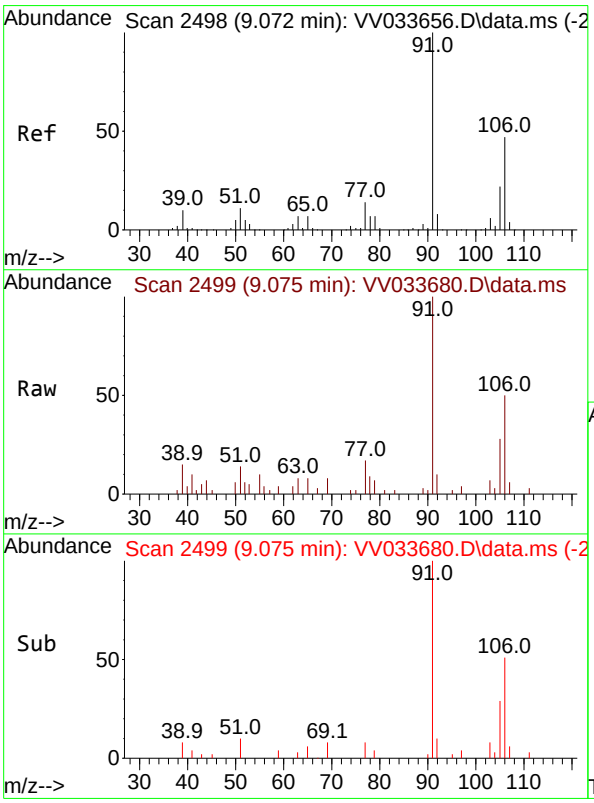
#51
Chlorobenzene
Concen: 3.950 ug/L
RT: 8.812 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

Tgt Ion:112 Resp: 84487

Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.9	42.5
77	62.0	50.8	76.2

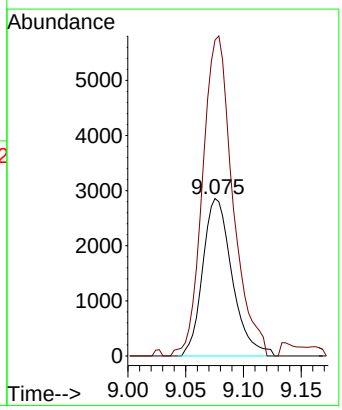


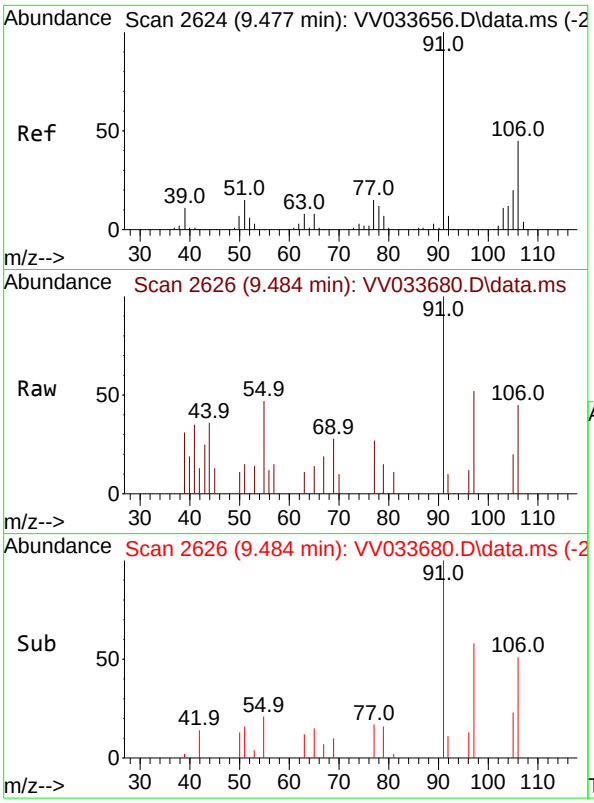


#53
m,p-Xylene
Concen: 0.339 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.003 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Tgt Ion:106 Resp: 5062

Ion	Ratio	Lower	Upper
106	100		
91	200.6	146.2	271.4



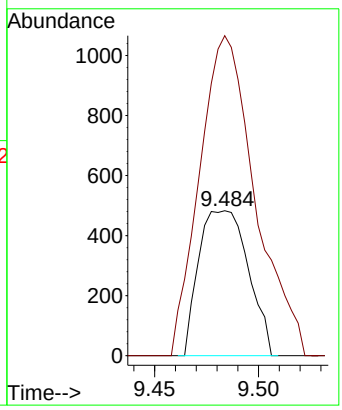


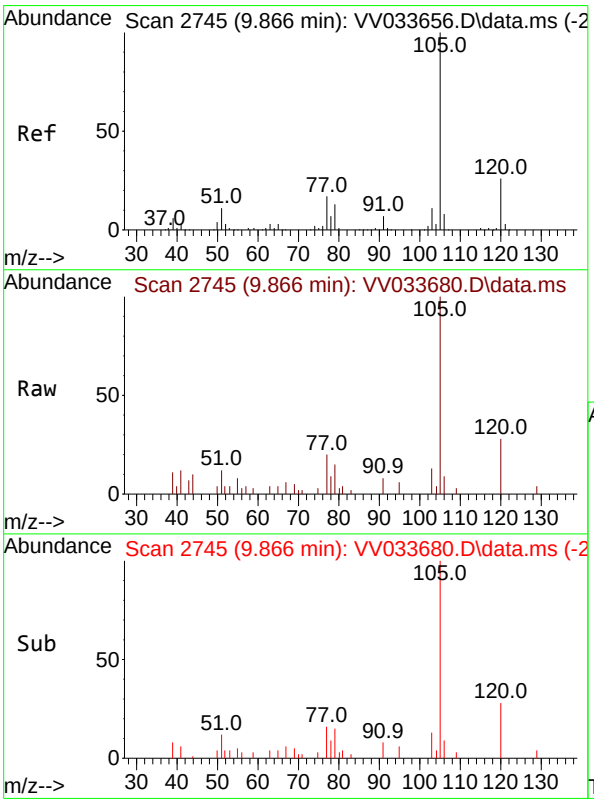
#54
o-Xylene
Concen: 0.055 ug/L
RT: 9.484 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

Tgt Ion:106 Resp: 801

Ion	Ratio	Lower	Upper
106	100		
91	220.7	156.0	289.6

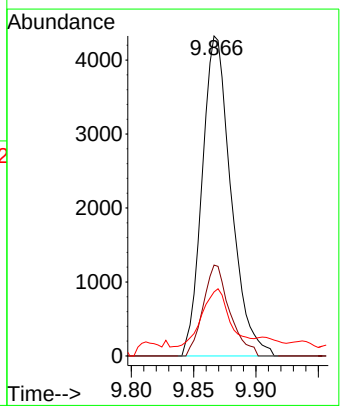


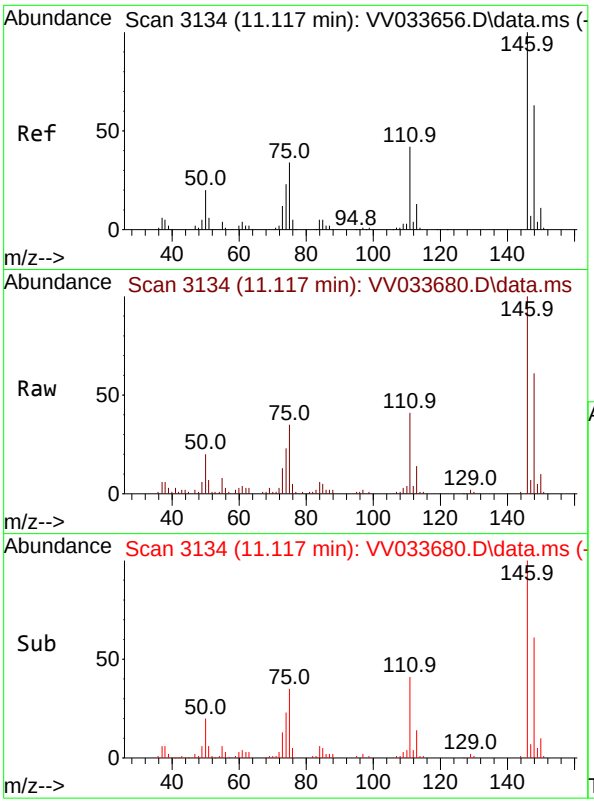


#60
Isopropylbenzene
Concen: 0.184 ug/L
RT: 9.866 min Scan# 2745
Delta R.T. -0.000 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Tgt Ion:105 Resp: 6973

Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.0	31.6
77	0.0	13.4	20.0#



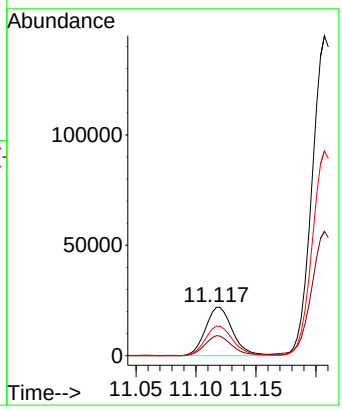


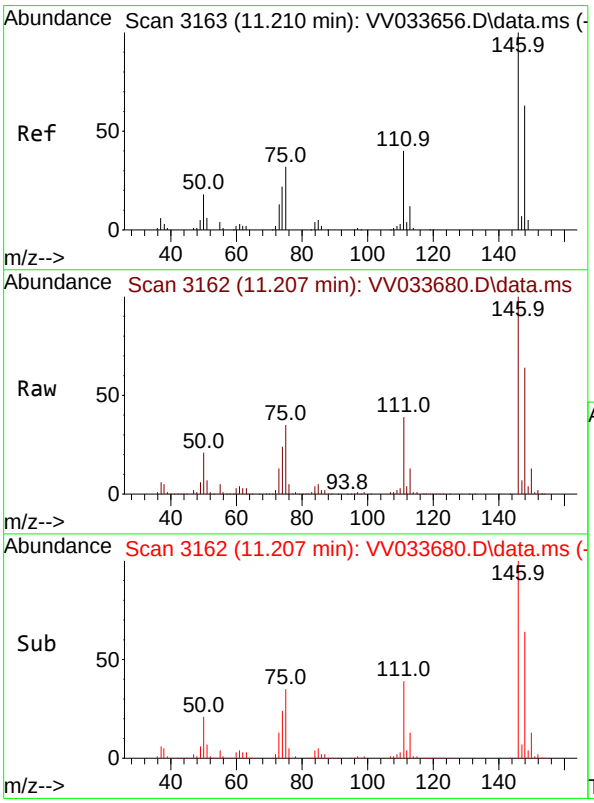
#64
1,3-Dichlorobenzene
Concen: 2.067 ug/L
RT: 11.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

Tgt Ion:146 Resp: 34598

Ion	Ratio	Lower	Upper
146	100		
111	41.1	29.2	54.2
148	60.8	44.1	81.9

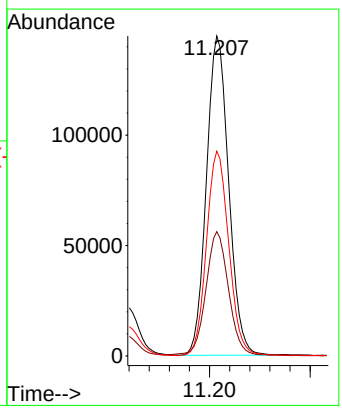


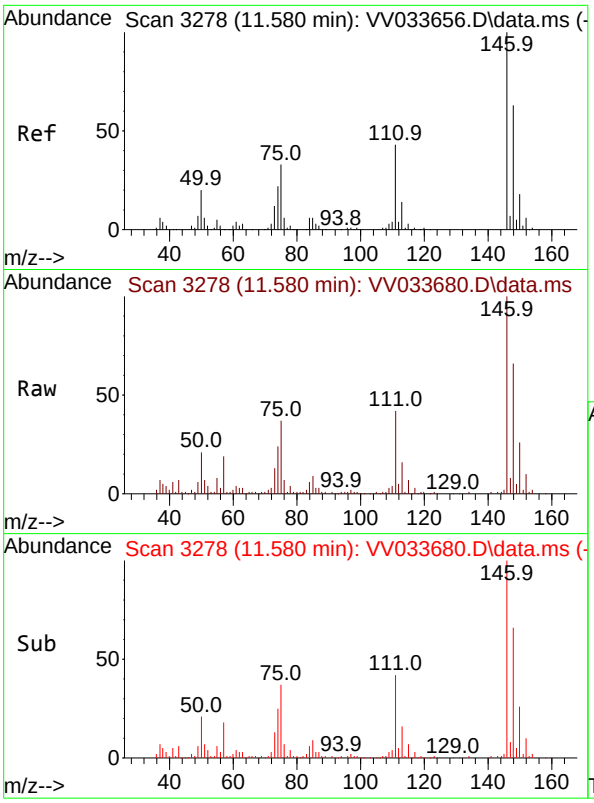


#65
1,4-Dichlorobenzene
Concen: 13.545 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. -0.003 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Tgt Ion:146 Resp: 221980

Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.5	51.1
148	64.0	43.3	80.5



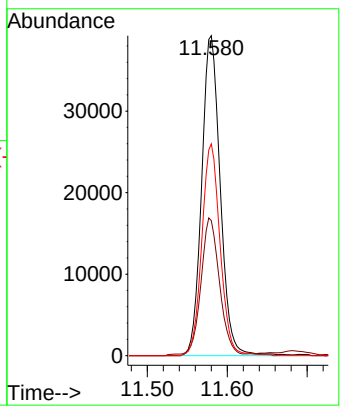


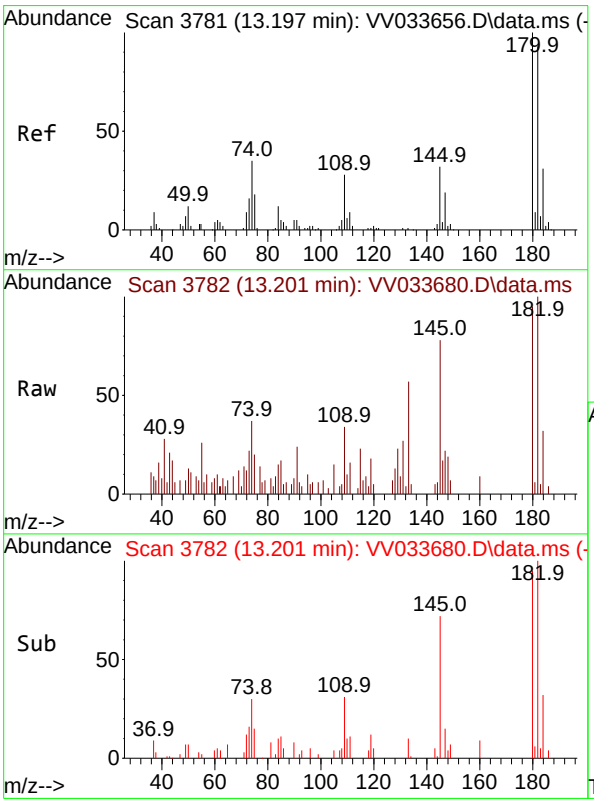
#67
1,2-Dichlorobenzene
Concen: 4.365 ug/L
RT: 11.580 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Instrument :
MSVOA_V
ClientSampleId :
C0AY0

Tgt Ion:146 Resp: 63490

Ion	Ratio	Lower	Upper
146	100		
111	42.2	36.1	54.1
148	66.2	52.2	78.2





#70
1,2,4-trichlorobenzene
Concen: 0.460 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.003 min
Lab File: VV033680.D
Acq: 16 Jan 2024 18:56

Tgt Ion:180 Resp: 4980

Ion	Ratio	Lower	Upper
180	100		
182	100.4	75.0	112.6
145	79.7	24.8	37.2#