Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020623\
Data File : VW025289.D
Acq On : 06 Feb 2023 11:17
Operator : SY/MD
Sample : O1378-03
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

Quant Time: Feb 07 00:19:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 07 00:17:55 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	8.842	114	368110	25.000 ug/L	0.00
28) Chlorobenzene-d5	11.628	117	322970	25.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	156482	25.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	2.361	65	84060	23.598 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 94.400%		
7) Chloroethane-d5	2.898	69	74802	23.650 ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 94.600%		
11) 1,1-Dichloroethene-d2	4.019	63	163683	16.572 ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 66.280%		
21) 2-Butanone-d5	7.080	46	46793	50.602 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 101.200%		
24) Chloroform-d	7.647	84	222927	23.105 ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.440%		
26) 1,2-Dichloroethane-d4	8.305	65	118830	25.284 ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 101.120%		
32) Benzene-d6	8.275	84	451901	23.086 ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.360%		
36) 1,2-Dichloropropane-d6	9.274	67	129650	22.637 ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 90.560%		
41) Toluene-d8	10.323	98	404844	23.137 ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.560%		
43) trans-1,3-Dichloroprop...	10.573	79	53455	24.978 ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 99.920%		
47) 2-Hexanone-d5	10.921	63	36539	56.901 ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 113.800%		
56) 1,1,2,2-Tetrachloroeth...	12.688	84	93964	24.125 ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 96.520%		
66) 1,2-Dichlorobenzene-d4	13.847	152	131155	24.158 ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 96.640%		

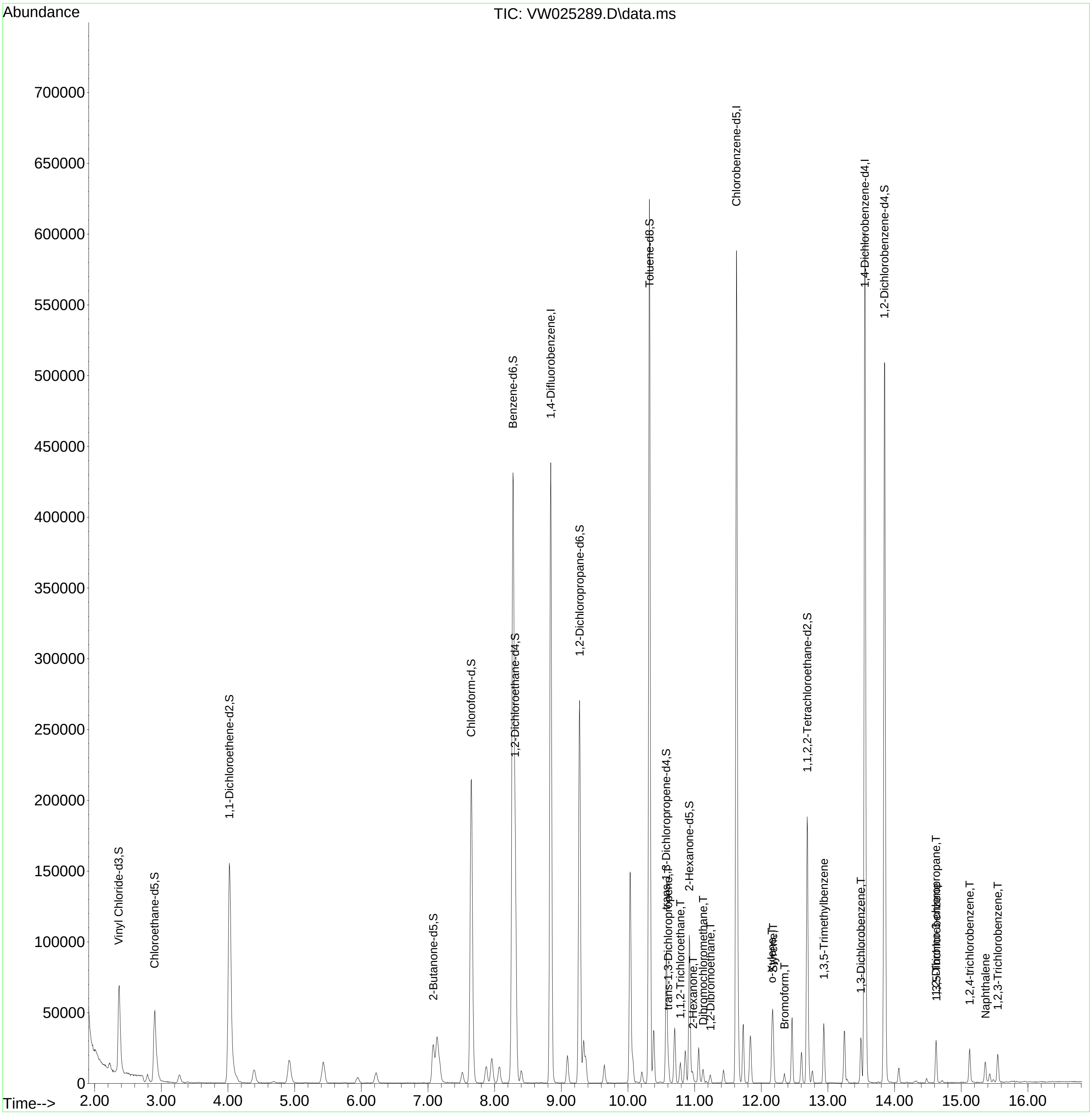
Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
44) trans-1,3-Dichloropropene	10.604	75	10029	1.559 ug/L	97
45) 1,1,2-Trichloroethane	10.786	97	4446	1.280 ug/L	90
48) 2-Hexanone	10.975	43	4245	2.763 ug/L #	96
49) Dibromochloromethane	11.128	129	4916	1.253 ug/L	95
50) 1,2-Dibromoethane	11.238	107	3914	1.230 ug/L #	93
54) o-Xylene	12.158	106	9888	0.973 ug/L	86
55) Styrene	12.176	104	16578	0.964 ug/L	99
59) Bromoform	12.347	173	2915	1.313 ug/L #	95
62) 1,3,5-Trimethylbenzene	12.938	105	21607	1.011 ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	12623	1.150 ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.621	75	1641	2.525 ug/L #	3
69) 1,3,5-Trichlorobenzene	14.627	180	8207	1.149 ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	6913	1.189 ug/L	93
71) Naphthalene	15.365	128	12338	1.161 ug/L #	87
72) 1,2,3-Trichlorobenzene	15.548	180	5933	1.188 ug/L	97

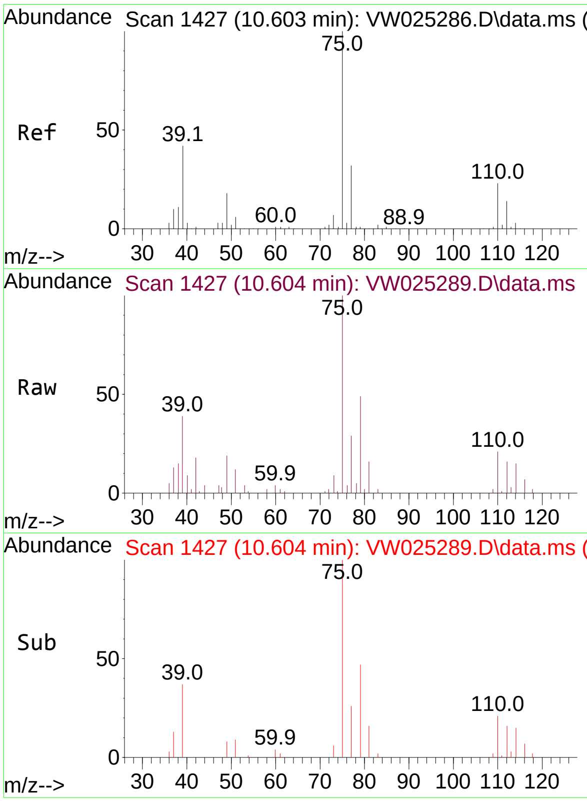
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW020623\
Data File : VW025289.D
Acq On   : 06 Feb 2023 11:17
Operator : SY/MD
Sample   : O1378-03
Misc   : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1   Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

Quant Time: Feb 07 00:19:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020323SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Feb 07 00:17:55 2023
Response via : Initial Calibration





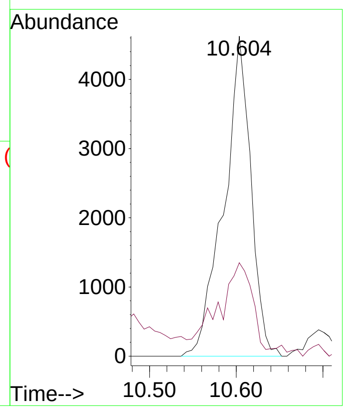
#44
trans-1,3-Dichloropropene
Concen: 1.559 ug/L
RT: 10.604 min   Scan# 14

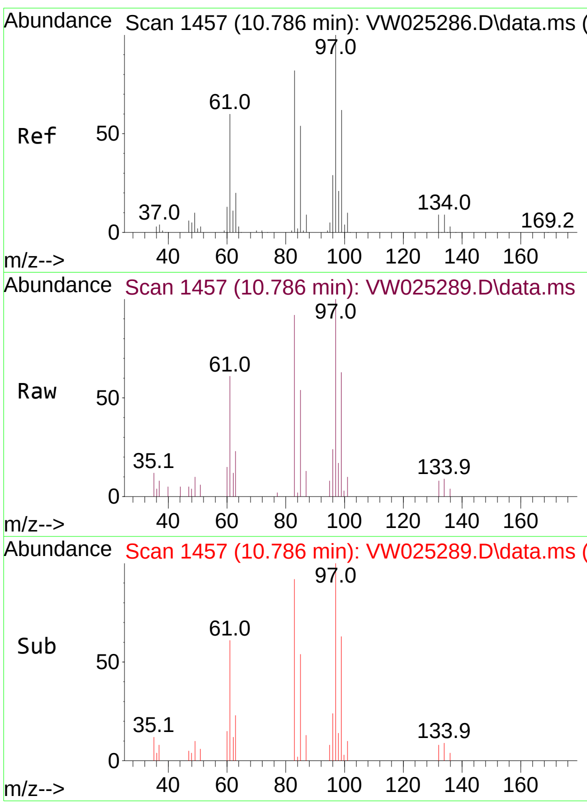
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

Delta R.T.   0.000 min
Lab File: VW025289.D
Acq: 06 Feb 2023   11:17

Tgt Ion: 75 Resp: 10029

Ion	Ratio	Lower	Upper
75	100		
77	29.2	21.7	40.3

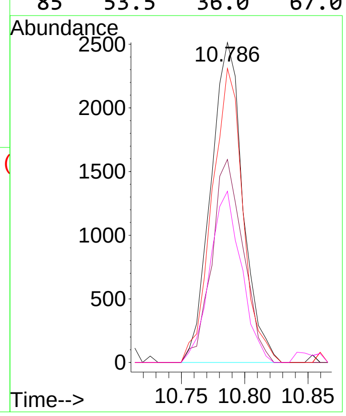


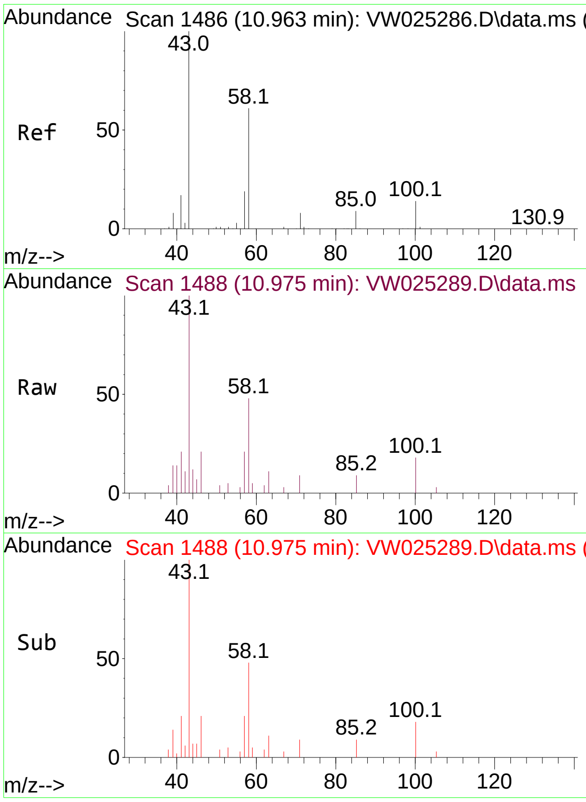


#45
1,1,2-Trichloroethane
Concen: 1.280 ug/L
RT: 10.786 min   Scan# 1457
Delta R.T.   0.000 min
Lab File: VW025289.D
Acq: 06 Feb 2023   11:17

Tgt Ion: 97 Resp: 4446

Ion	Ratio	Lower	Upper
97	100		
99	63.4	41.4	76.8
83	91.9	54.0	100.4
85	53.5	36.0	67.0



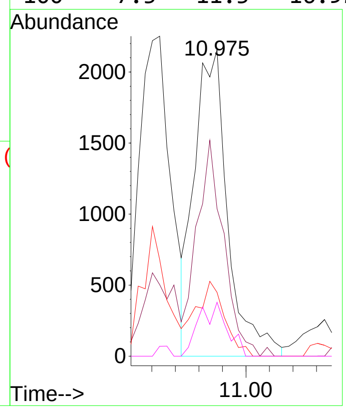


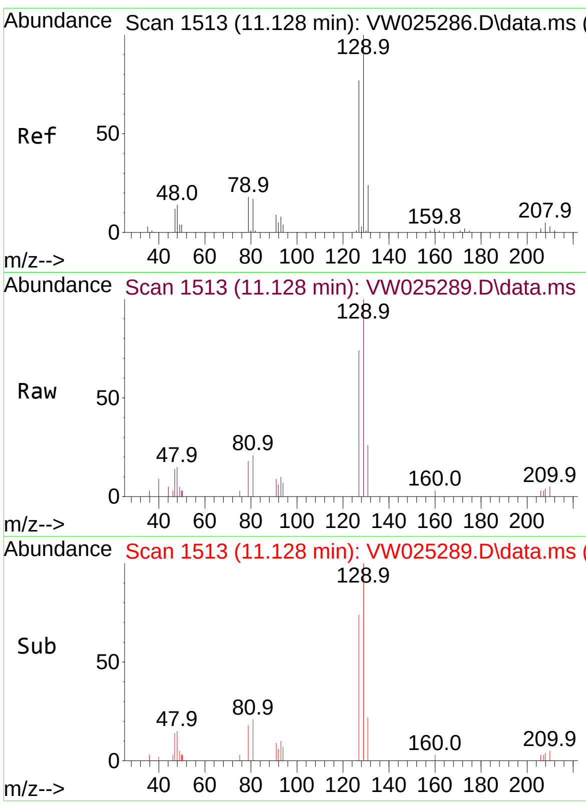
#48
2-Hexanone
Concen: 2.763 ug/L
RT: 10.975 min Scan# 14
Delta R.T. 0.012 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion: 43 Resp: 4245

Ion	Ratio	Lower	Upper
43	100		
58	56.8	46.3	69.5
57	21.4	16.5	24.7
100	7.3	11.3	16.9#

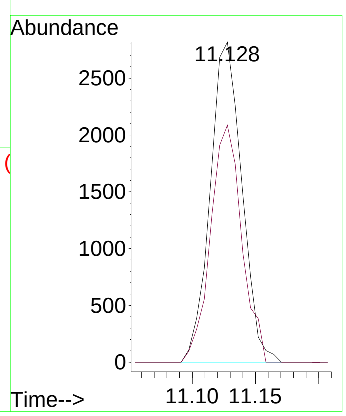


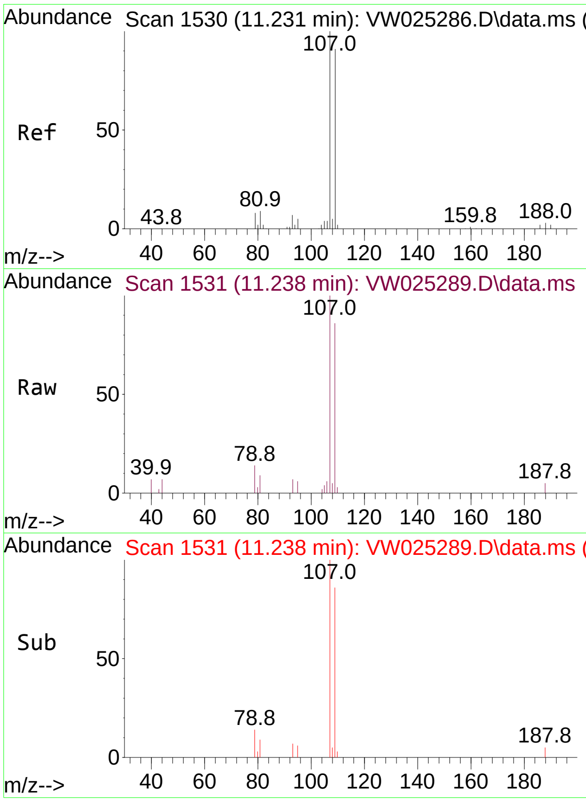


#49
Dibromochloromethane
Concen: 1.253 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Tgt Ion:129 Resp: 4916

Ion	Ratio	Lower	Upper
129	100		
127	74.1	54.8	101.8



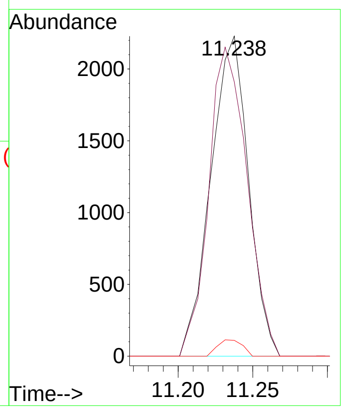


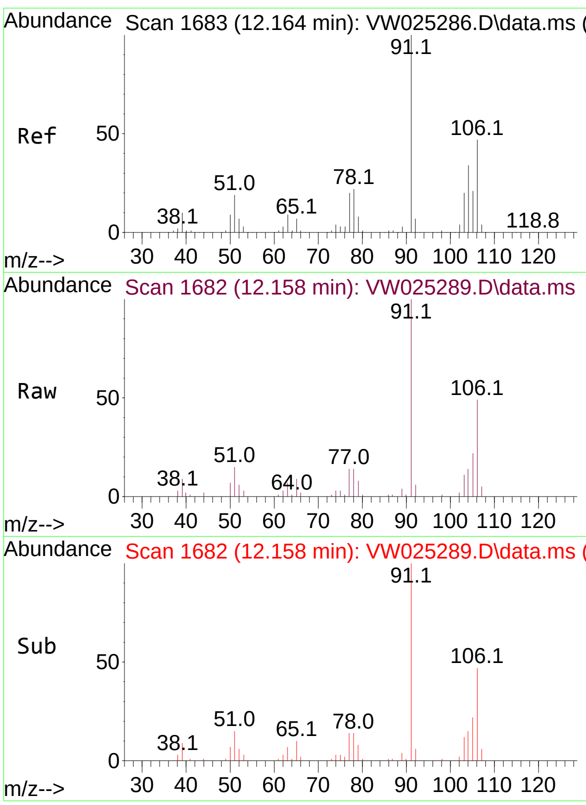
#50
1,2-Dibromoethane
Concen: 1.230 ug/L
RT: 11.238 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion:107 Resp: 3914

Ion	Ratio	Lower	Upper
107	100		
109	85.7	65.0	120.6
188	4.9	2.3	3.5#

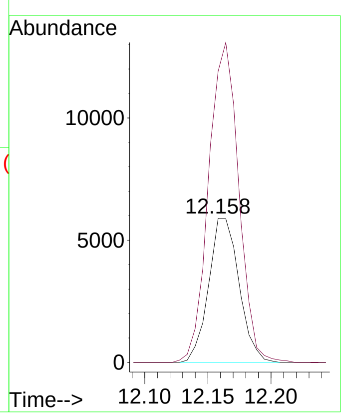


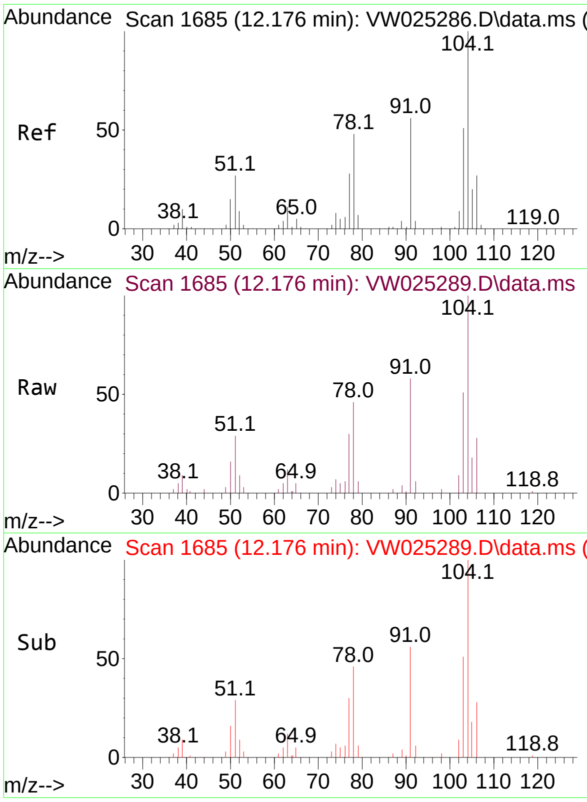


#54
o-Xylene
Concen: 0.973 ug/L
RT: 12.158 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Tgt Ion:106 Resp: 9888

Ion	Ratio	Lower	Upper
106	100		
91	202.3	157.6	292.8



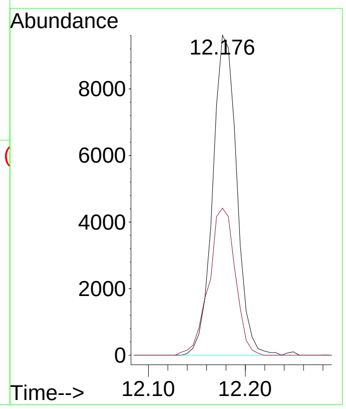


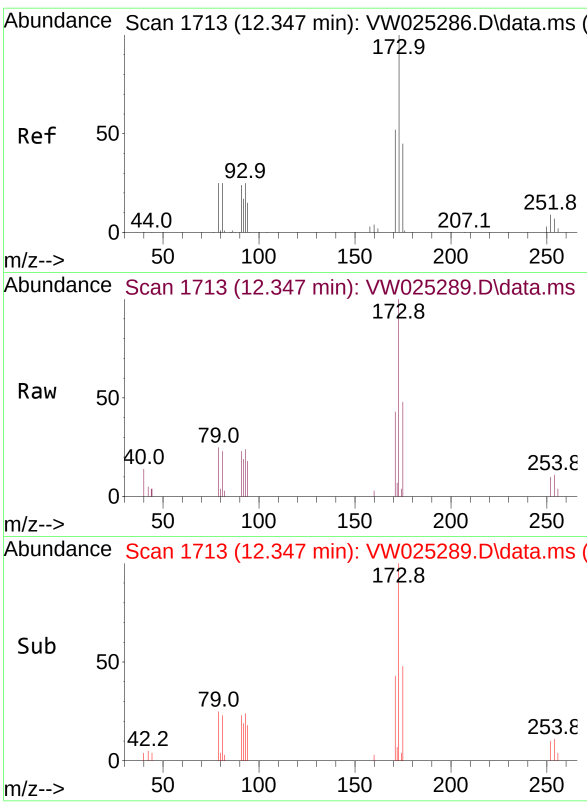
#55
Styrene
Concen: 0.964 ug/L
RT: 12.176 min Scan# 1(
Delta R.T. 0.000 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion:104 Resp: 16578

Ion	Ratio	Lower	Upper
104	100		
78	45.9	32.8	60.8

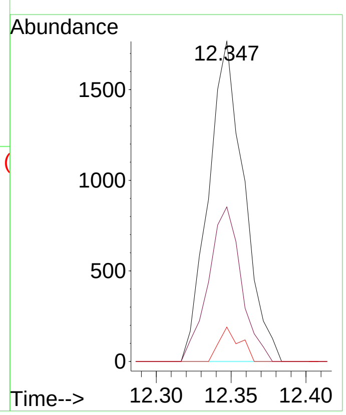


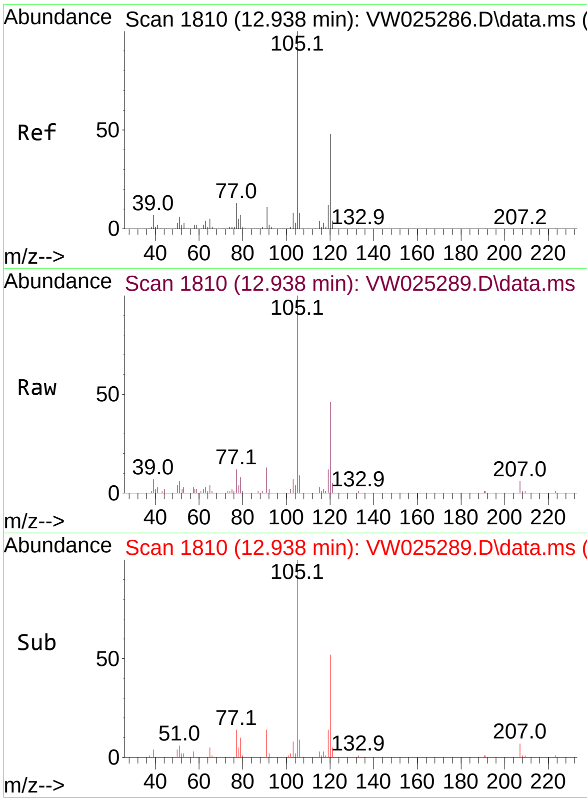


#59
Bromoform
Concen: 1.313 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Tgt Ion:173 Resp: 2915

Ion	Ratio	Lower	Upper
173	100		
175	44.8	38.6	58.0
254	6.3	7.0	10.4#

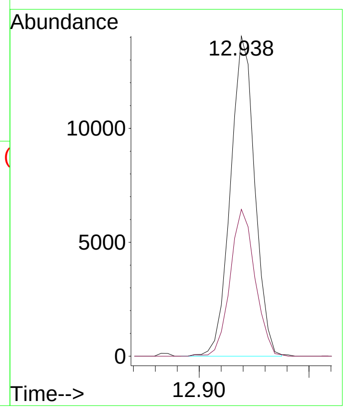


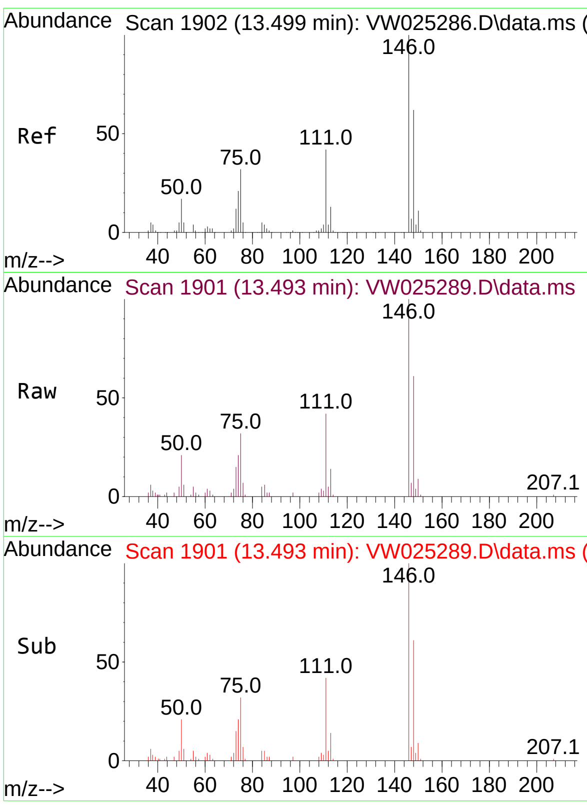


#62
1,3,5-Trimethylbenzene
Concen: 1.011 ug/L
RT: 12.938 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

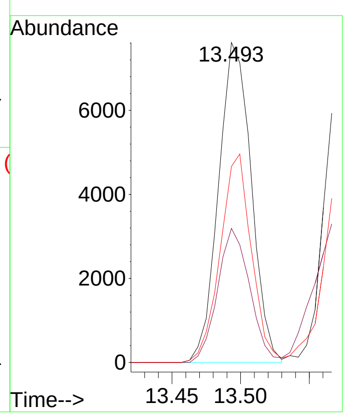
Tgt Ion:105	Resp:	21607	
Ion	Ratio	Lower	Upper
105	100		
120	46.9	37.0	55.4

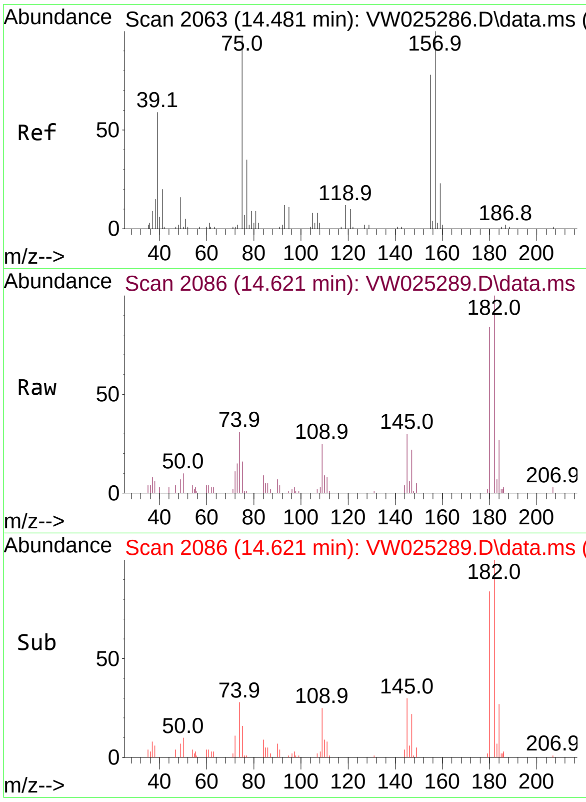




#64
1,3-Dichlorobenzene
Concen: 1.150 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Tgt Ion:146	Resp:	12623	
Ion	Ratio	Lower	Upper
146	100		
111	41.9	29.0	53.8
148	61.2	41.7	77.5



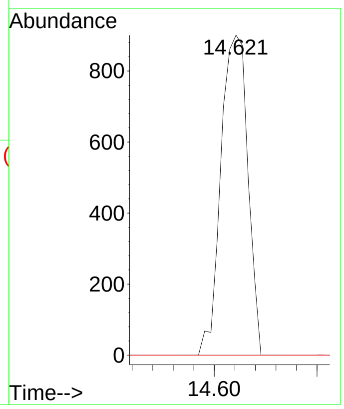


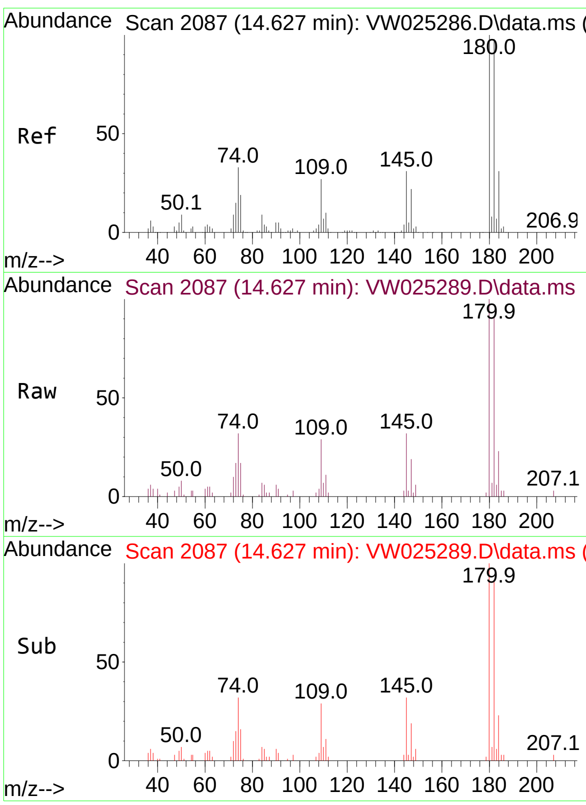
#68
1,2-Dibromo-3-chloropropane
Concen: 2.525 ug/L
RT: 14.621 min Scan# 2(
Delta R.T. 0.140 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion: 75 Resp: 1641

Ion	Ratio	Lower	Upper
75	100		
155	0.0	63.4	95.2#
157	0.0	82.5	123.7#

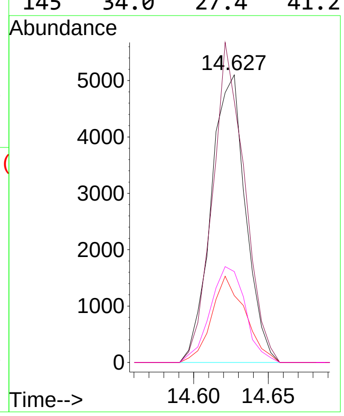


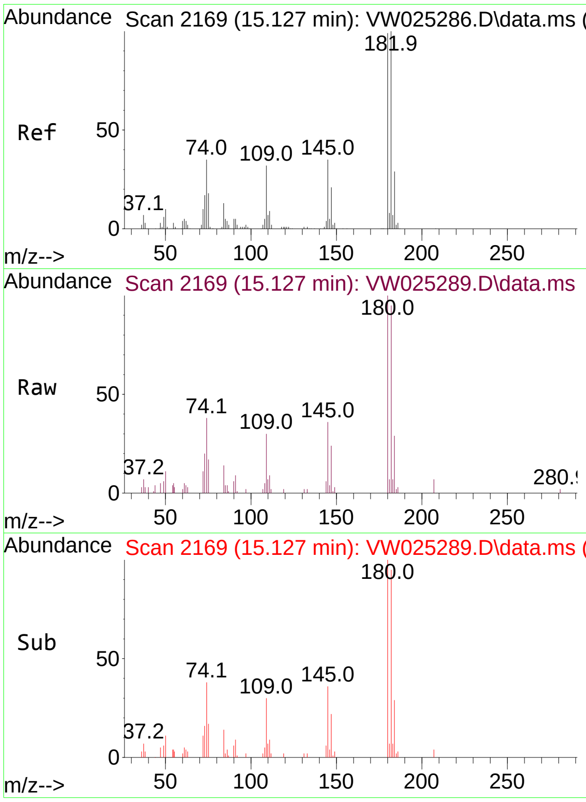


#69
1,3,5-Trichlorobenzene
Concen: 1.149 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Tgt Ion:180 Resp: 8207

Ion	Ratio	Lower	Upper
180	100		
182	103.1	77.7	116.5
184	29.4	24.4	36.6
145	34.0	27.4	41.2



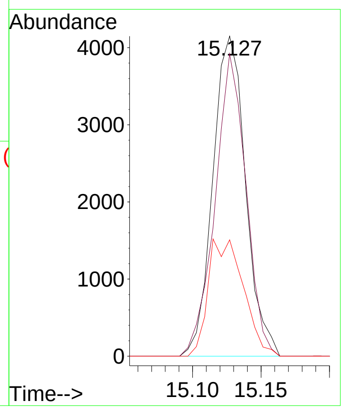


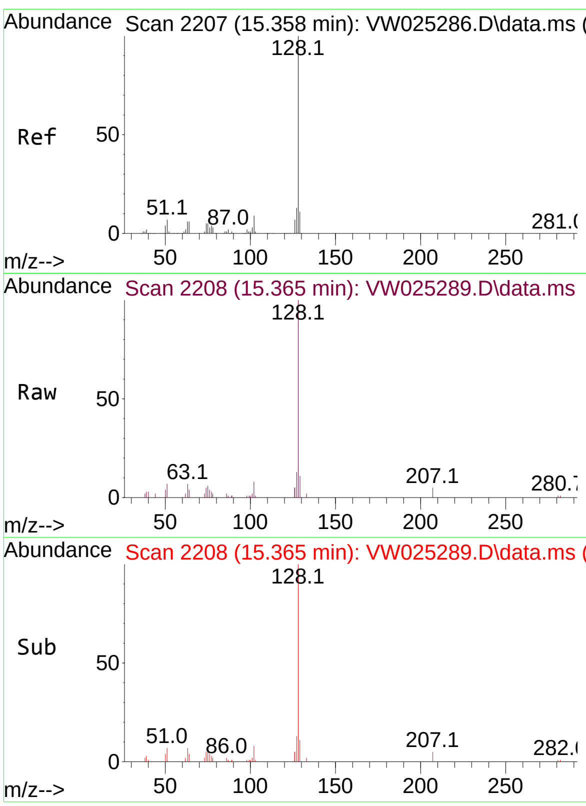
#70
1,2,4-trichlorobenzene
Concen: 1.189 ug/L
RT: 15.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion:180 Resp: 6913

Ion	Ratio	Lower	Upper
180	100		
182	89.0	76.4	114.6
145	39.4	27.4	41.2

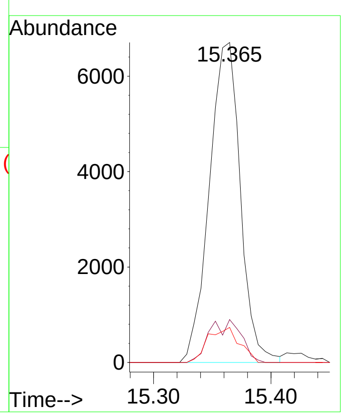


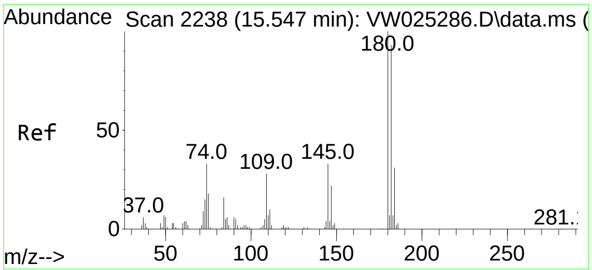


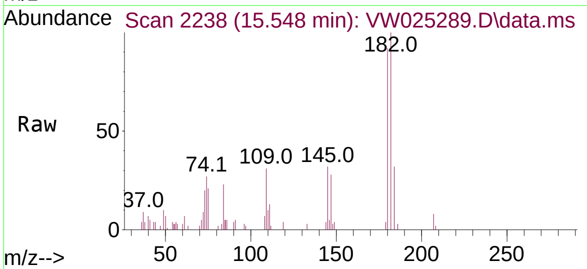
#71
Naphthalene
Concen: 1.161 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.006 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

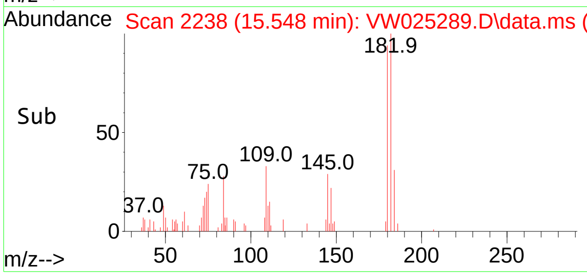
Tgt Ion:128 Resp: 12338

Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.4	15.6#
129	6.9	8.7	13.1#









#72
1,2,3-Trichlorobenzene
Concen: 1.188 ug/L
RT: 15.548 min Scan# 2
Delta R.T. 0.000 min
Lab File: VW025289.D
Acq: 06 Feb 2023 11:17

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2023-01

Tgt Ion:180 Resp: 5933

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.1	112.7
145	33.9	28.8	43.2