

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025898.D
 Acq On : 17 Dec 2021 20:13
 Operator : JC/MD
 Sample : M5165-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EXCAVATION-INFLUENT

Quant Time: Dec 19 02:36:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

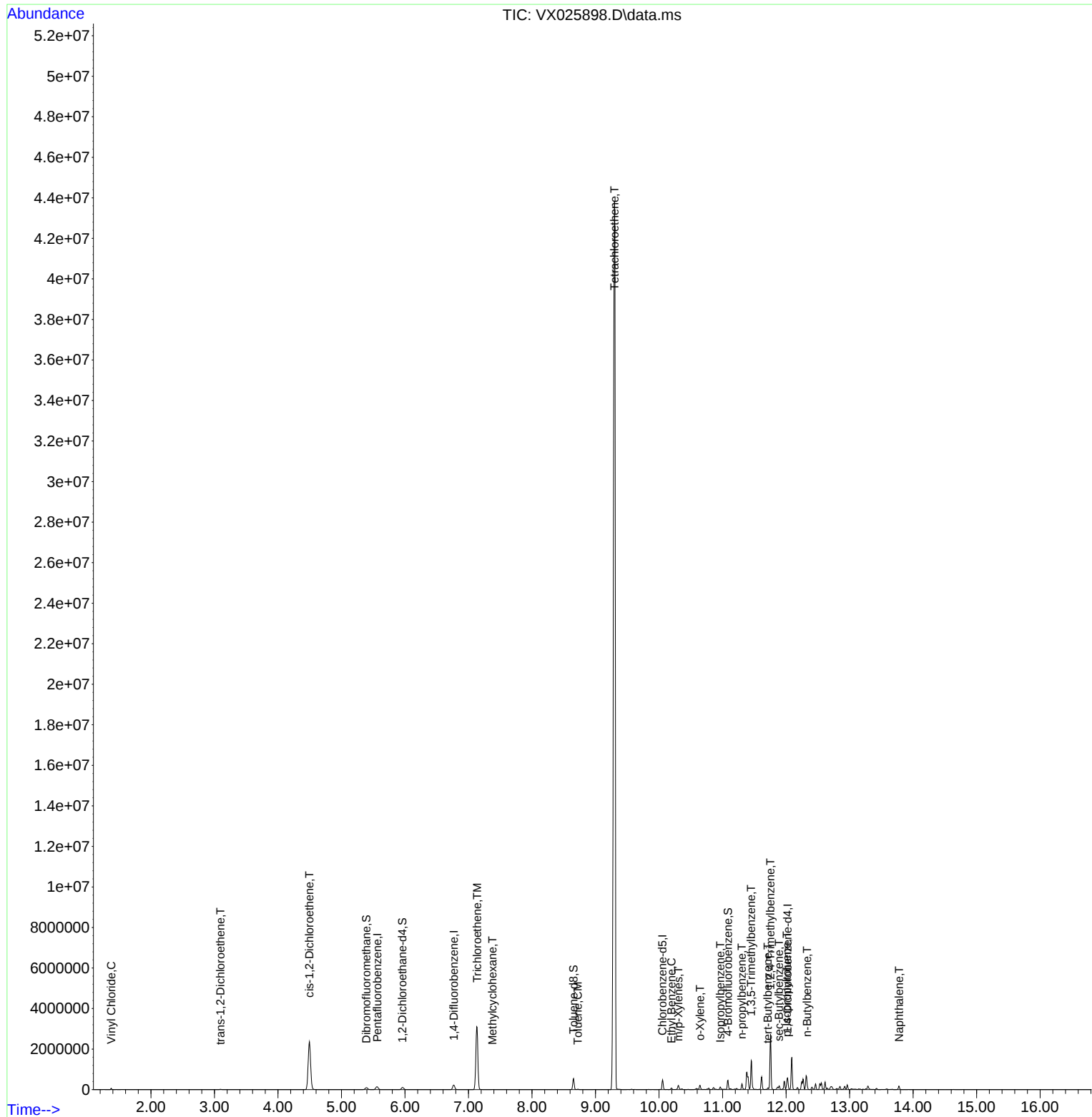
Internal Standards						
1) Pentafluorobenzene	5.562	168	134559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	235828	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106215	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	103919	53.675	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.360%
35) Dibromofluoromethane	5.391	113	85505	51.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.980%
50) Toluene-d8	8.653	98	317268	52.944	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.880%
62) 4-Bromofluorobenzene	11.085	95	118062	51.865	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.740%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.374	62	36913	22.146	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	7081	4.454	ug/l	92
27) cis-1,2-Dichloroethene	4.495	96	1456031	772.423	ug/l	94
39) Methylcyclohexane	7.379	83	3506	1.405	ug/l	96
44) Trichloroethene	7.135	130	1168459	630.824	ug/l	93
52) Toluene	8.720	92	9288	2.191	ug/l	97
64) Tetrachloroethene	9.299	164	10453812	6060.345	ug/l	95
67) Ethyl Benzene	10.195	91	42274	5.546	ug/l	99
68) m/p-Xylenes	10.305	106	44828	15.113	ug/l	99
69) o-Xylene	10.646	106	45830	15.706	ug/l	99
73) Isopropylbenzene	10.963	105	64407	8.355	ug/l	99
78) n-propylbenzene	11.305	91	168283	19.300	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	627889	98.210	ug/l	99
83) tert-Butylbenzene	11.713	119	24866	3.968	ug/l	89
84) 1,2,4-Trimethylbenzene	11.756	105	1156518	181.081	ug/l	99
85) sec-Butylbenzene	11.890	105	89920	11.938	ug/l	100
86) p-Isopropyltoluene	12.012	119	94288	14.905	ug/l	99
89) n-Butylbenzene	12.329	91	94088	17.831	ug/l #	19
95) Naphthalene	13.780	128	113372	17.284	ug/l	100

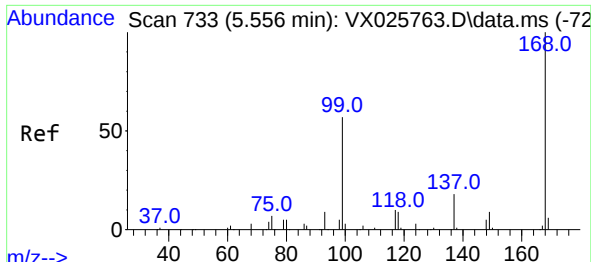
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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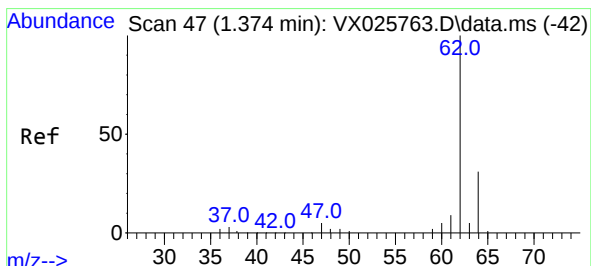
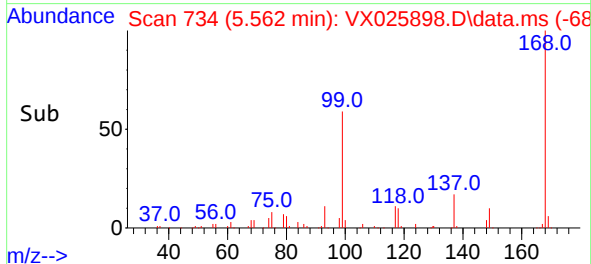
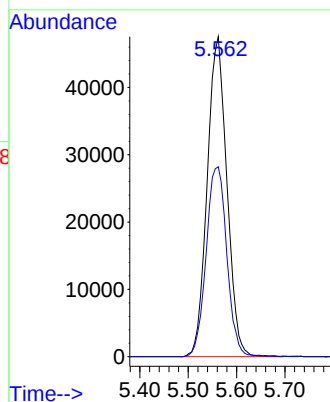
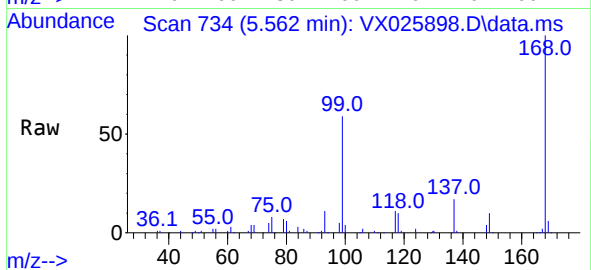




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

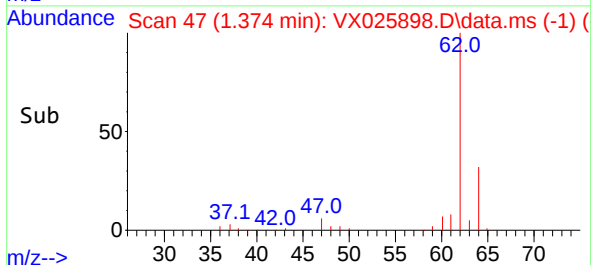
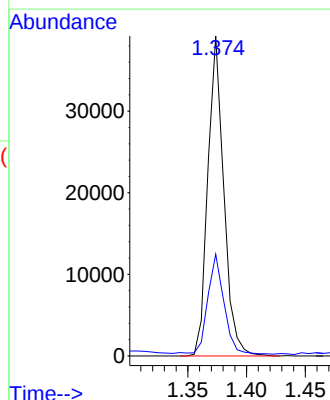
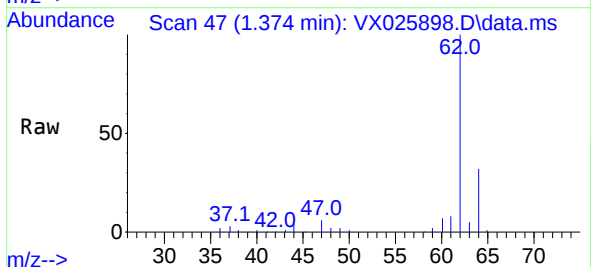
Instrument :
MSVOA_X
ClientSampleId :
EXCAVATION-INFLUENT

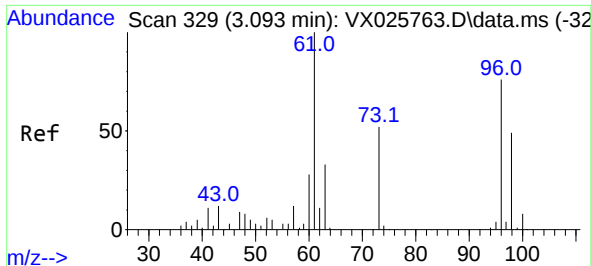
Tgt Ion:168 Resp: 134559
Ion Ratio Lower Upper
168 100
99 59.3 45.8 68.8



#4
Vinyl Chloride
Concen: 22.146 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

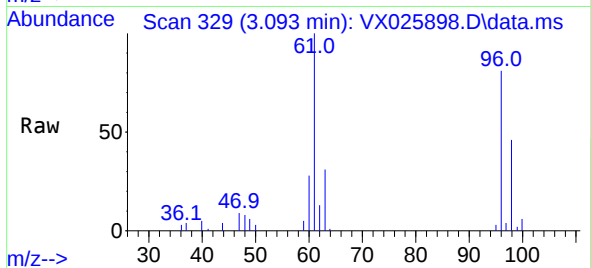
Tgt Ion: 62 Resp: 36913
Ion Ratio Lower Upper
62 100
64 31.0 25.4 38.2



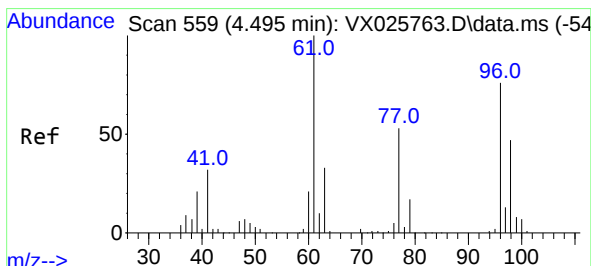
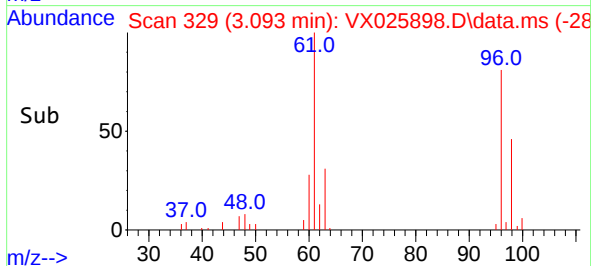
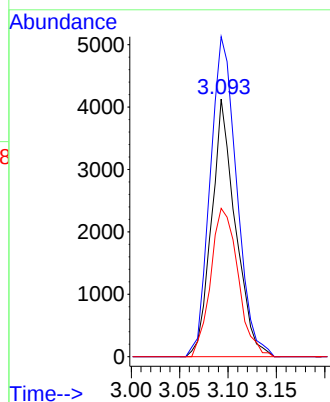


#21
trans-1,2-Dichloroethene
Concen: 4.454 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Instrument :
MSVOA_X
ClientSampleId :
EXCAVATION-INFLUENT

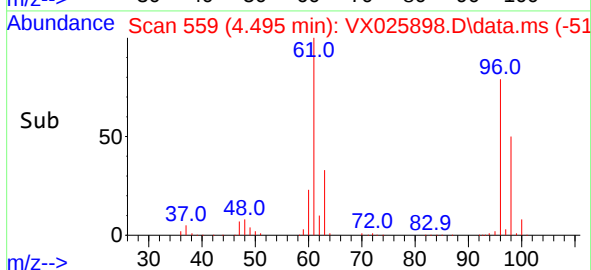
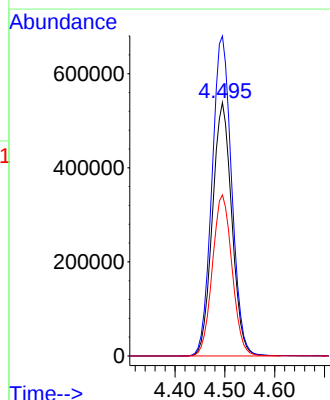
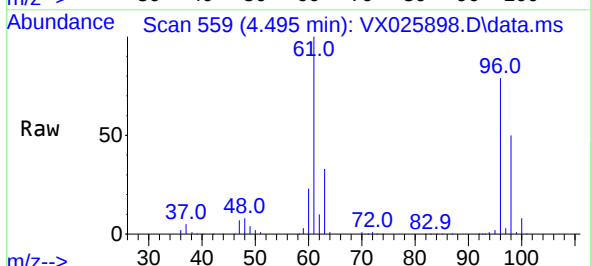


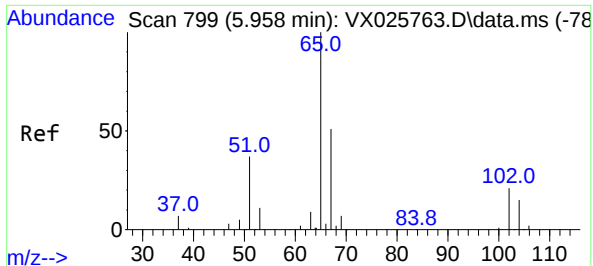
Tgt Ion: 96 Resp: 7081
Ion Ratio Lower Upper
96 100
61 124.2 105.7 158.5
98 57.6 52.1 78.1



#27
cis-1,2-Dichloroethene
Concen: 772.423 ug/l
RT: 4.495 min Scan# 559
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Tgt Ion: 96 Resp: 1456031
Ion Ratio Lower Upper
96 100
61 127.8 0.0 276.8
98 64.5 0.0 130.6





#33

1,2-Dichloroethane-d4

Concen: 53.675 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025898.D

Acq: 17 Dec 2021 20:13

Instrument :

MSVOA_X

ClientSampleId :

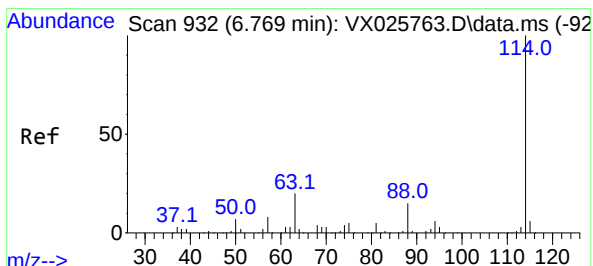
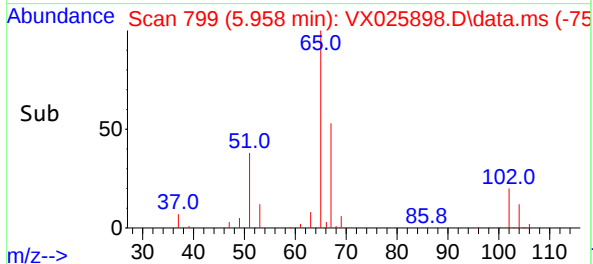
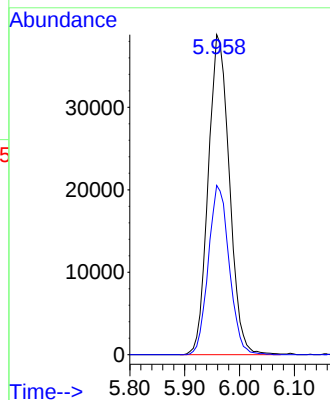
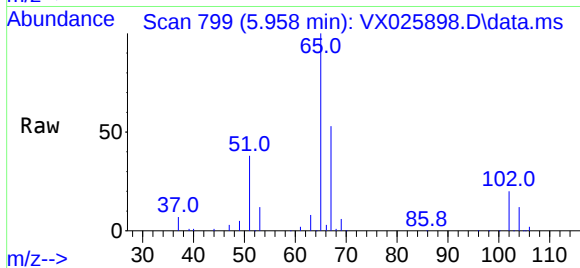
EXCAVATION-INFLUENT

Tgt Ion: 65 Resp: 103919

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX025898.D

Acq: 17 Dec 2021 20:13

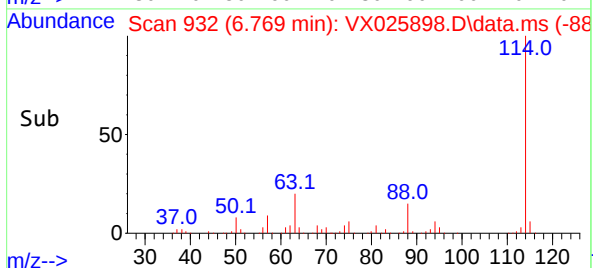
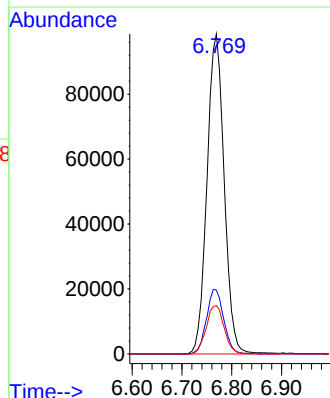
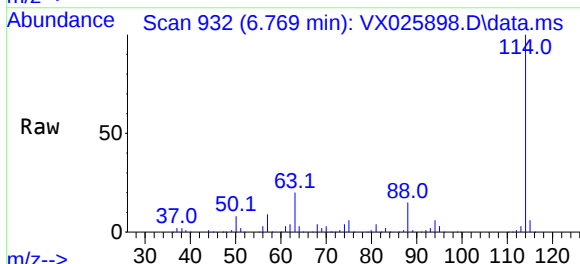
Tgt Ion: 114 Resp: 235828

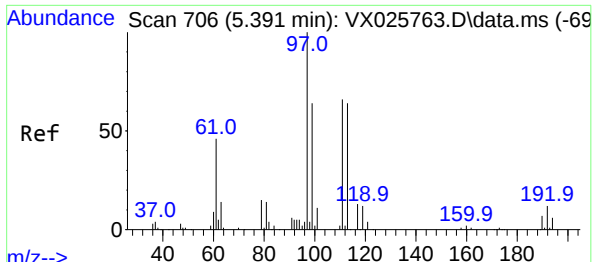
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.1 0.0 30.6

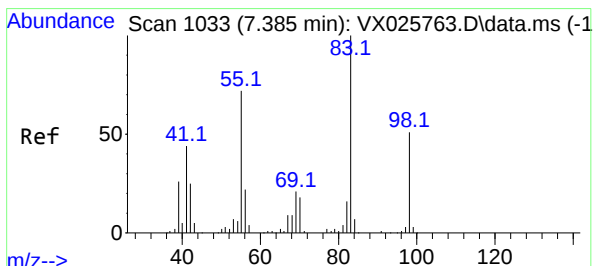
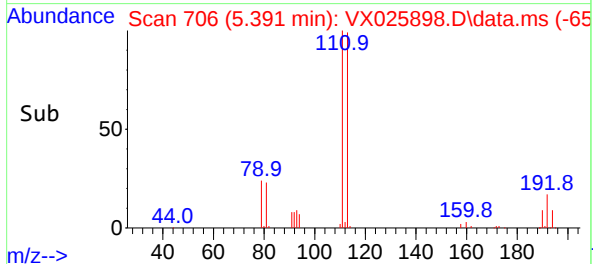
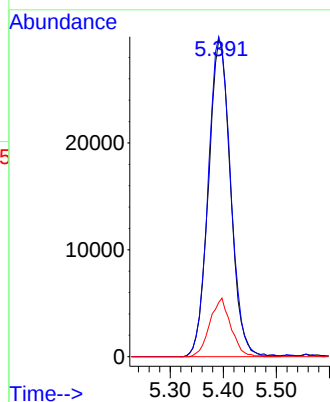
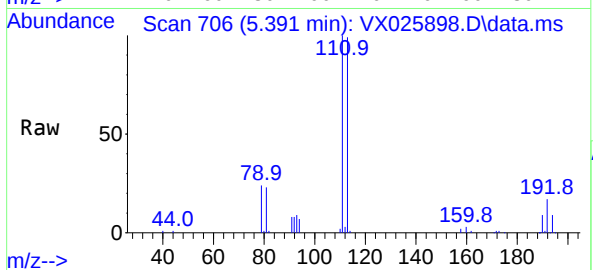




#35
Dibromofluoromethane
Concen: 51.989 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

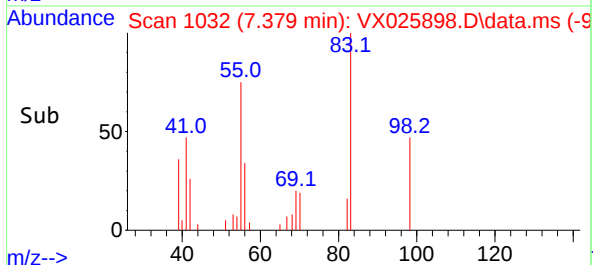
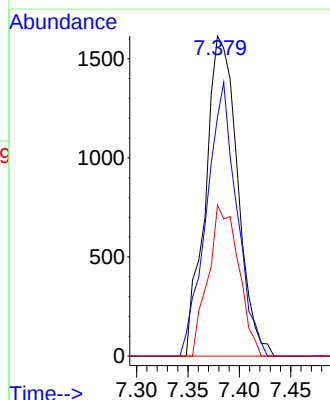
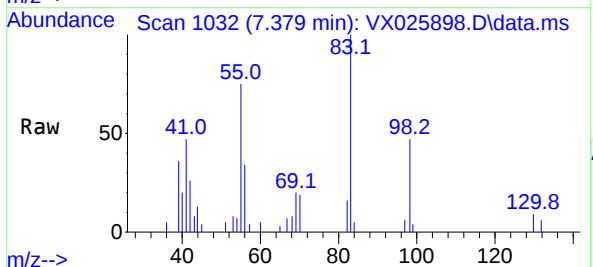
Instrument :
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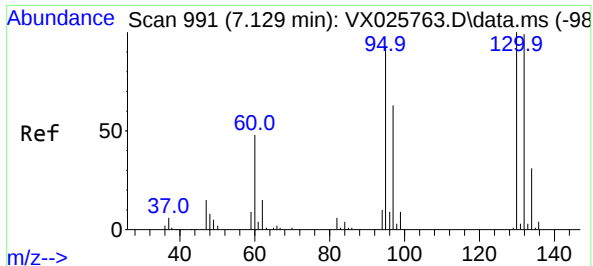
Tgt Ion:113 Resp: 85505
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.8
192 17.6 15.0 22.4



#39
Methylcyclohexane
Concen: 1.405 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Tgt Ion: 83 Resp: 3506
Ion Ratio Lower Upper
83 100
55 74.6 57.8 86.8
98 47.2 40.5 60.7

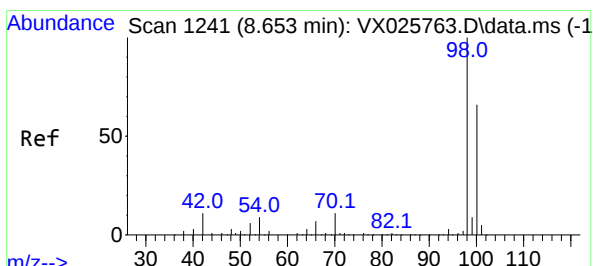
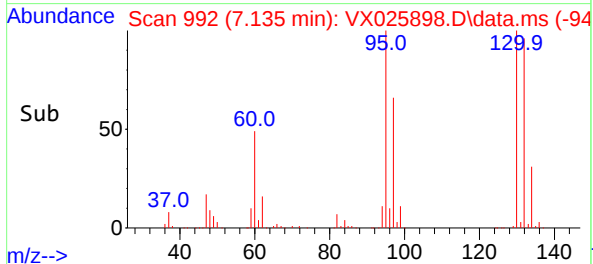
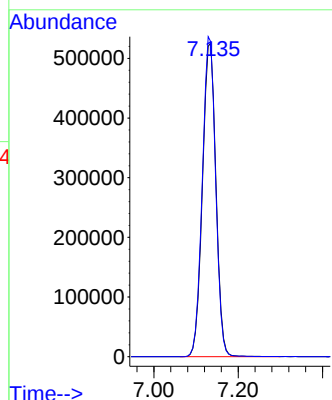
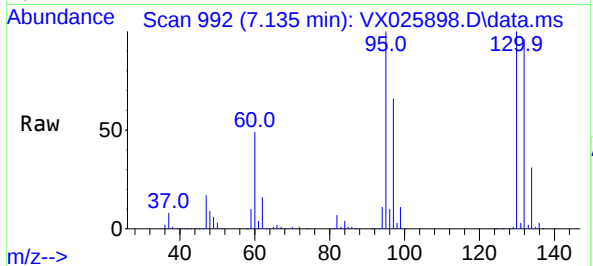




#44
Trichloroethene
Concen: 630.824 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

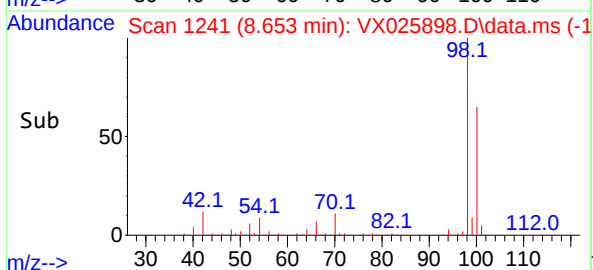
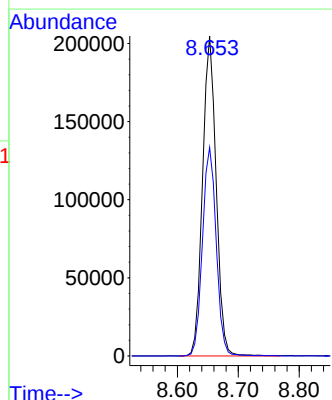
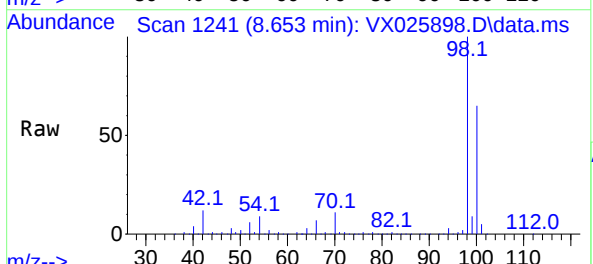
Instrument :
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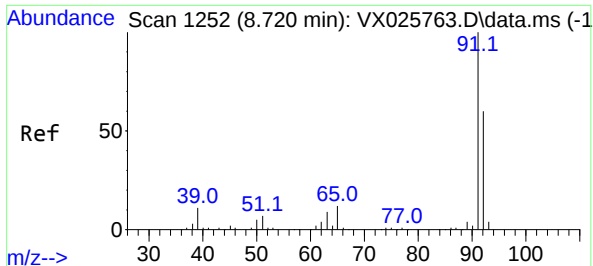
Tgt Ion:130 Resp: 1168459
Ion Ratio Lower Upper
130 100
95 100.4 0.0 186.4



#50
Toluene-d8
Concen: 52.944 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Tgt Ion: 98 Resp: 317268
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8





#52

Toluene

Concen: 2.191 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX025898.D

Acq: 17 Dec 2021 20:13

Instrument :

MSVOA_X

ClientSampleId :

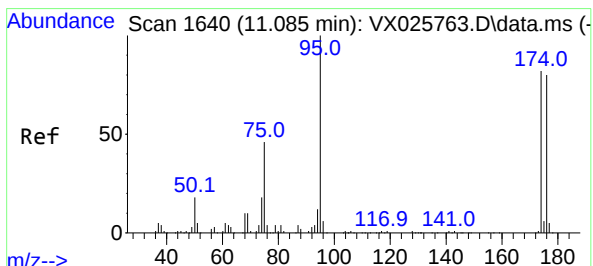
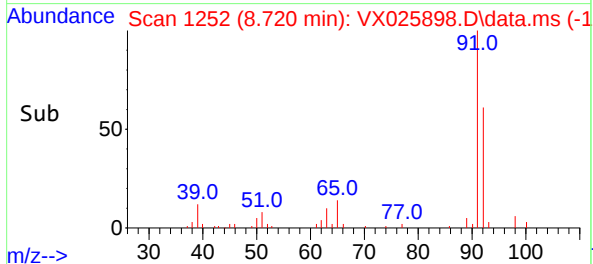
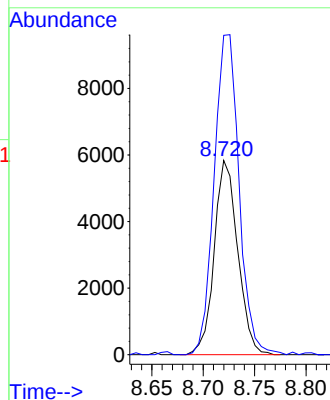
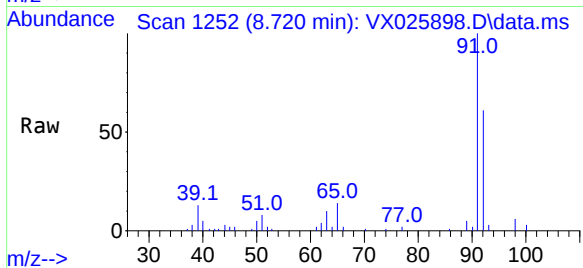
EXCAVATION-INFLUENT

Tgt Ion: 92 Resp: 9288

Ion Ratio Lower Upper

92 100

91 174.4 136.0 204.0



#62

4-Bromofluorobenzene

Concen: 51.865 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025898.D

Acq: 17 Dec 2021 20:13

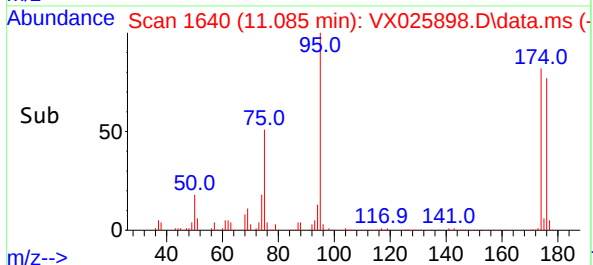
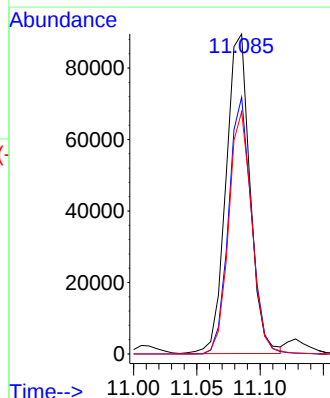
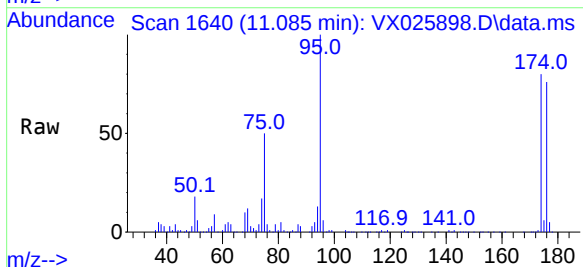
Tgt Ion: 95 Resp: 118062

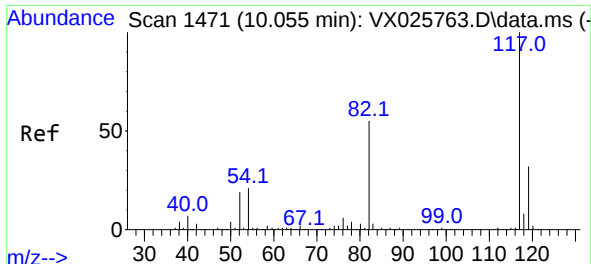
Ion Ratio Lower Upper

95 100

174 76.4 0.0 157.4

176 72.9 0.0 154.6

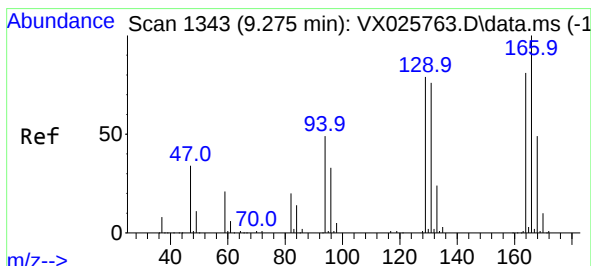
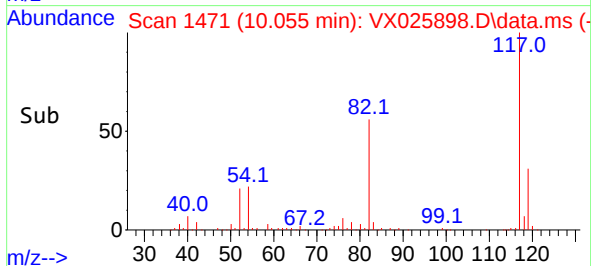
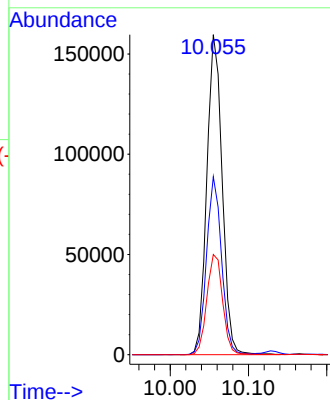
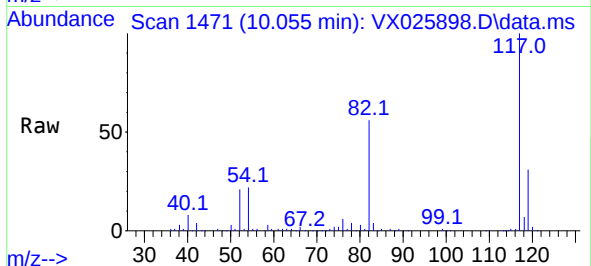




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

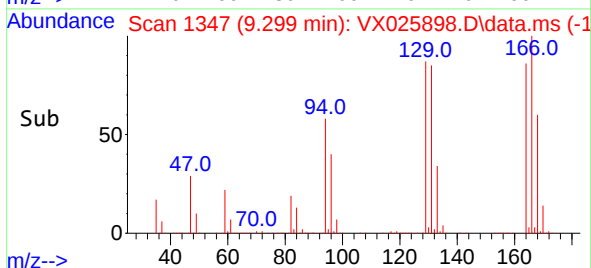
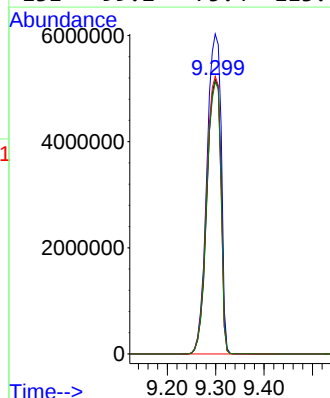
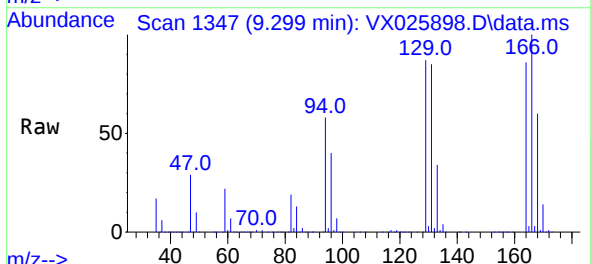
Instrument :
MSVOA_X
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EXCAVATION-INFLUENT

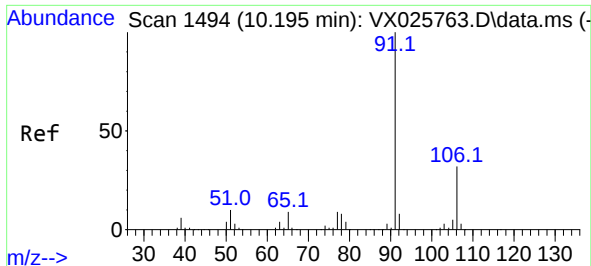
Tgt Ion:117 Resp: 216249
Ion Ratio Lower Upper
117 100
82 55.5 43.8 65.6
119 31.3 25.2 37.8



#64
Tetrachloroethene
Concen: 6060.345 ug/l
RT: 9.299 min Scan# 1347
Delta R.T. 0.024 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Tgt Ion:164 Resp:10453812
Ion Ratio Lower Upper
164 100
166 116.7 99.4 149.0
129 101.2 78.6 118.0
131 99.2 75.4 113.0

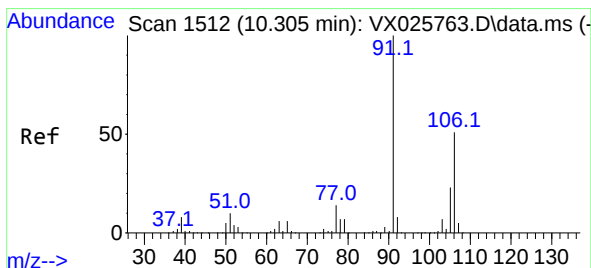
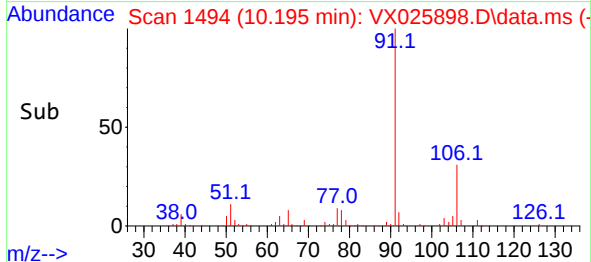
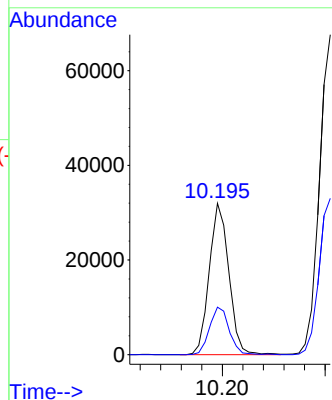
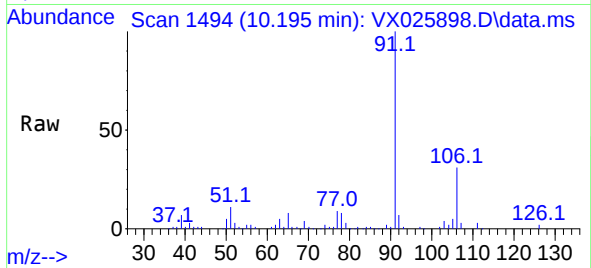




#67
Ethyl Benzene
Concen: 5.546 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

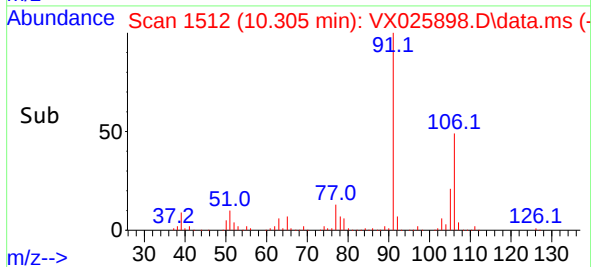
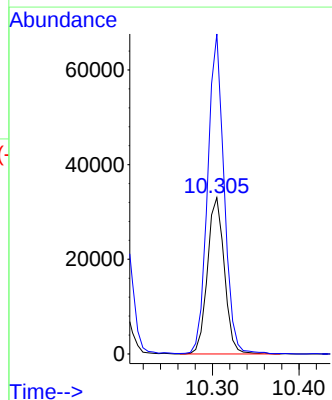
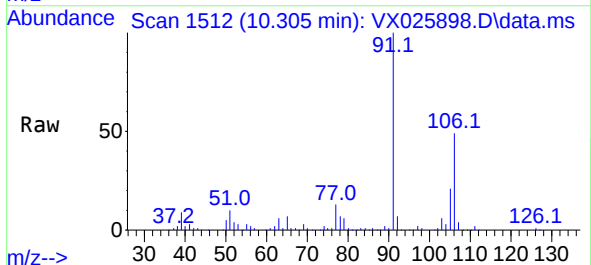
Instrument :
MSVOA_X
ClientSampleId :
EXCAVATION-INFLUENT

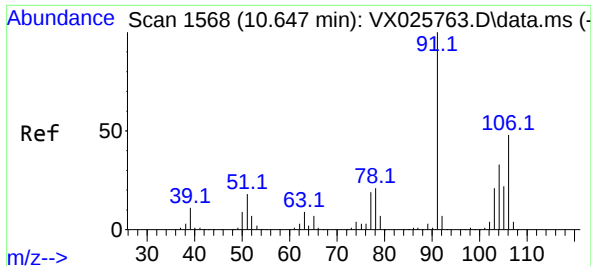
Tgt Ion: 91 Resp: 42274
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5



#68
m/p-Xylenes
Concen: 15.113 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Tgt Ion: 106 Resp: 44828
Ion Ratio Lower Upper
106 100
91 199.7 158.6 238.0

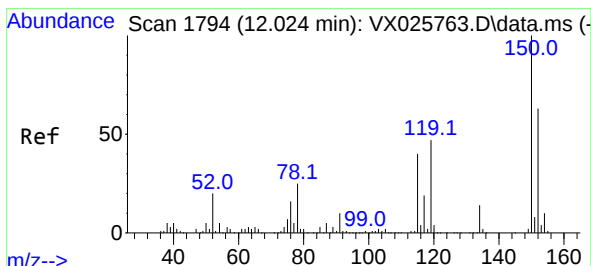
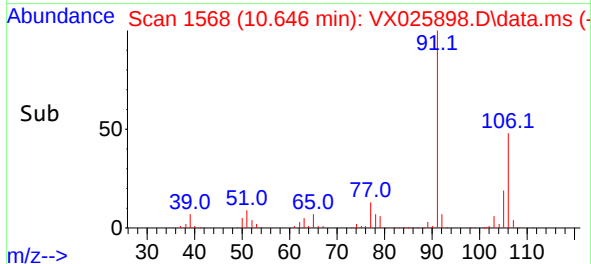
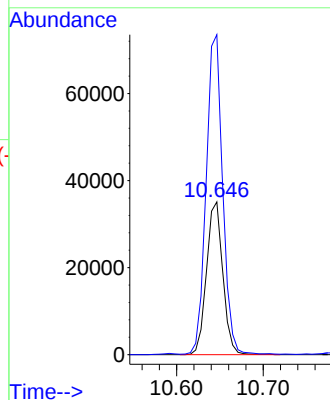
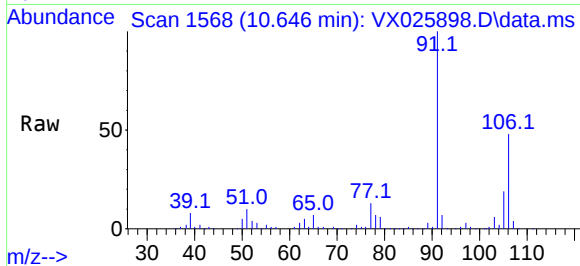




#69
o-Xylene
Concen: 15.706 ug/l
RT: 10.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

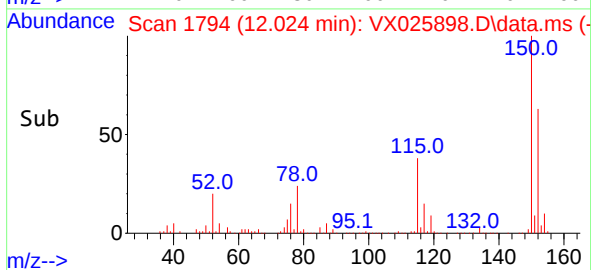
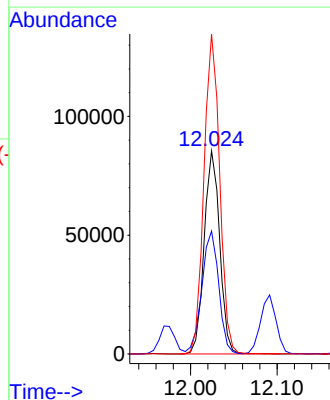
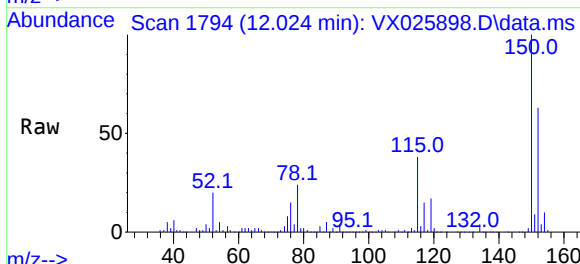
Instrument :
MSVOA_X
ClientSampleId :
EXCAVATION-INFLUENT

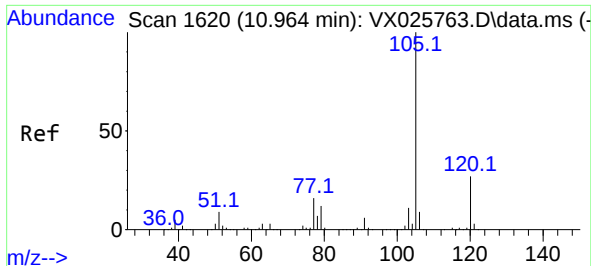
Tgt Ion:106 Resp: 45830
Ion Ratio Lower Upper
106 100
91 211.8 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Tgt Ion:152 Resp: 106215
Ion Ratio Lower Upper
152 100
115 65.5 41.3 123.9
150 160.1 0.0 351.8

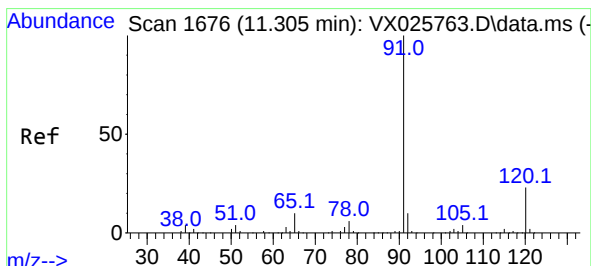
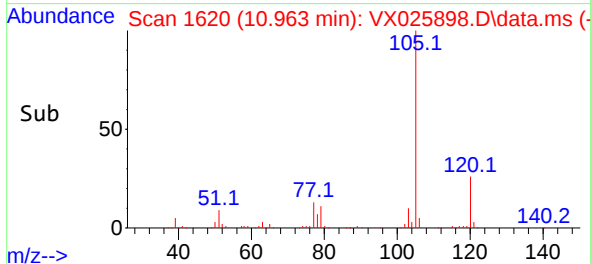
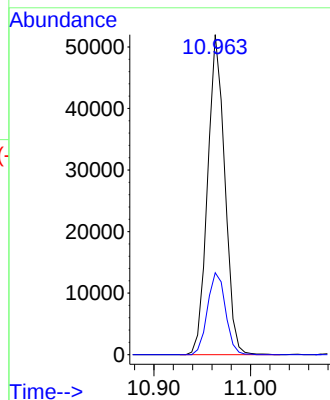
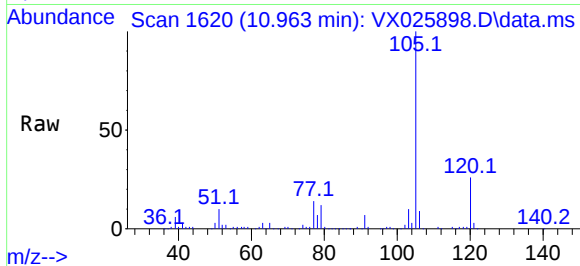




#73
Isopropylbenzene
Concen: 8.355 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

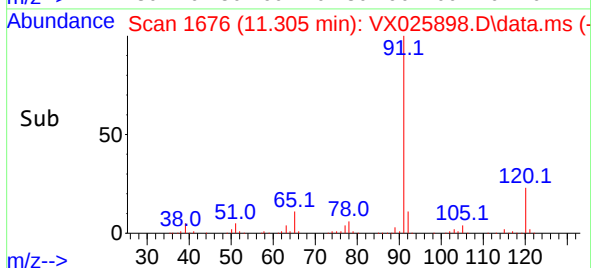
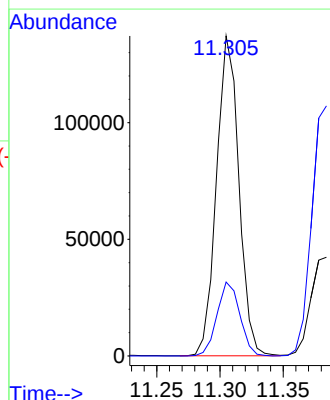
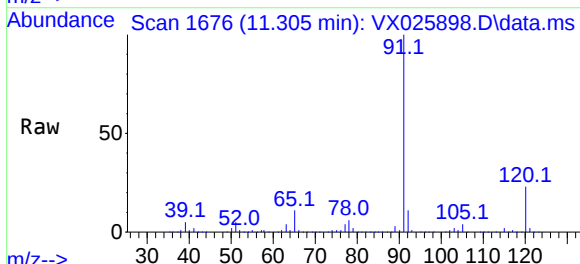
Instrument :
MSVOA_X
ClientSampleId :
EXCAVATION-INFLUENT

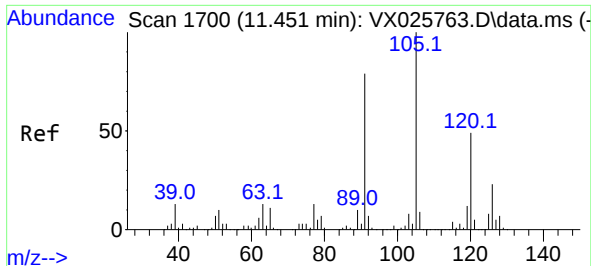
Tgt Ion:105 Resp: 64407
Ion Ratio Lower Upper
105 100
120 26.8 13.6 40.7



#78
n-propylbenzene
Concen: 19.300 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Tgt Ion: 91 Resp: 168283
Ion Ratio Lower Upper
91 100
120 23.6 12.0 36.1

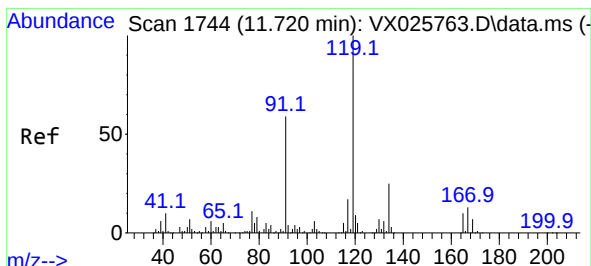
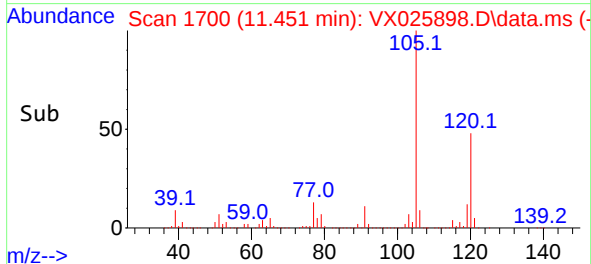
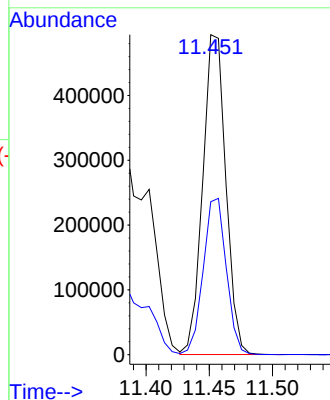
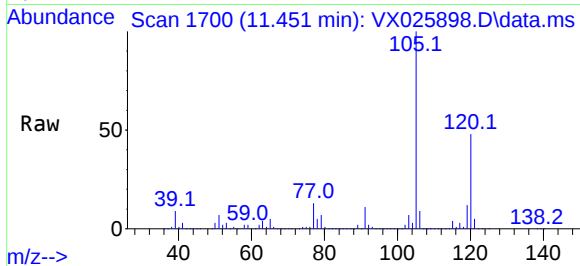




#80
1,3,5-Trimethylbenzene
Concen: 98.210 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

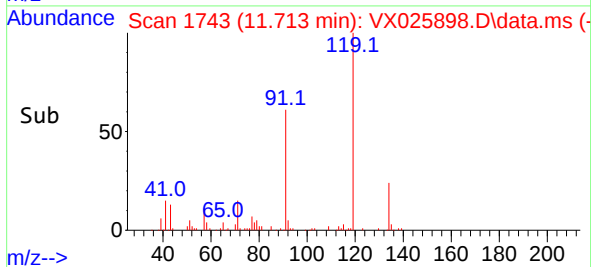
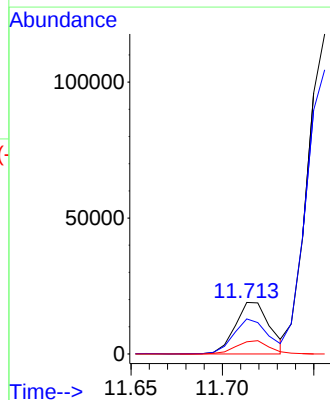
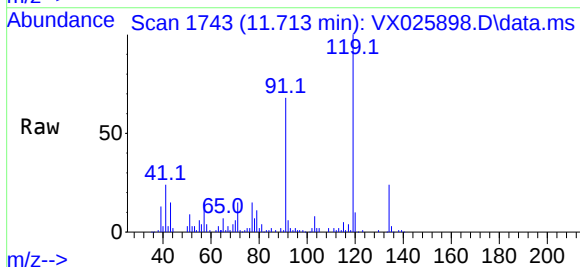
Instrument :
MSVOA_X
ClientSampleId :
EXCAVATION-INFLUENT

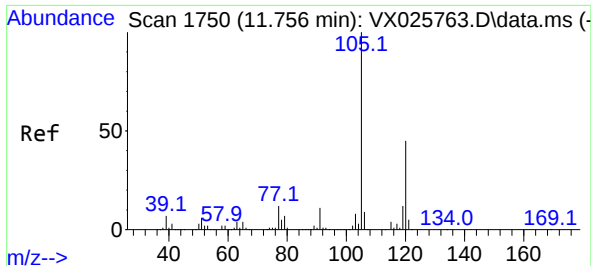
Tgt Ion:105 Resp: 627889
Ion Ratio Lower Upper
105 100
120 48.9 24.9 74.7



#83
tert-Butylbenzene
Concen: 3.968 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Tgt Ion:119 Resp: 24866
Ion Ratio Lower Upper
119 100
91 68.9 28.7 86.1
134 24.8 11.9 35.9

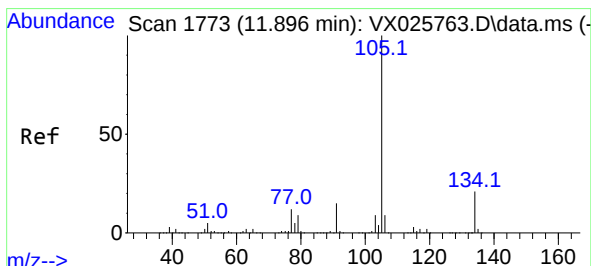
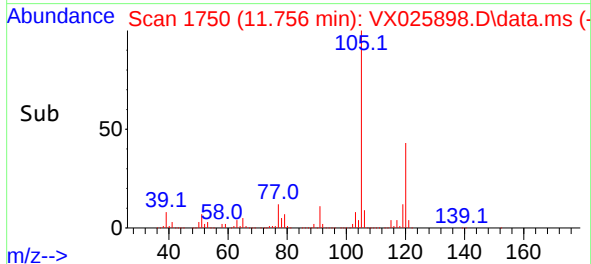
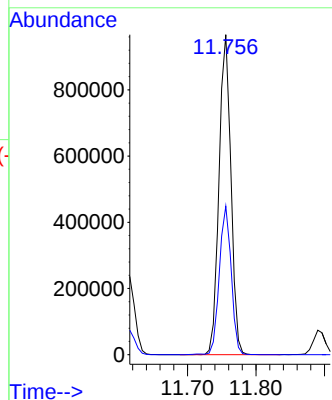
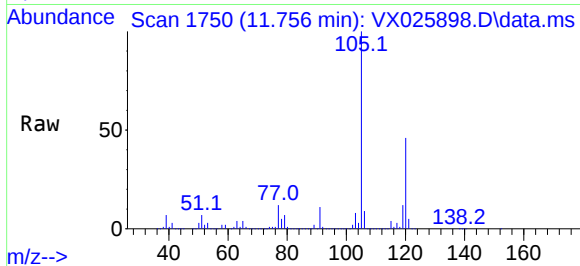




#84
1,2,4-Trimethylbenzene
Concen: 181.081 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

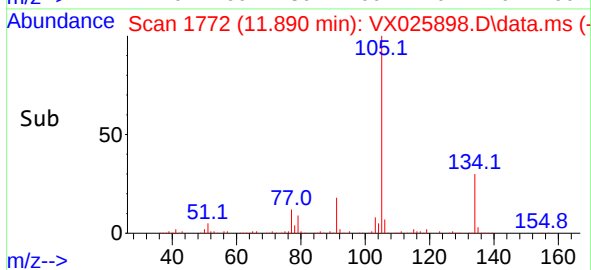
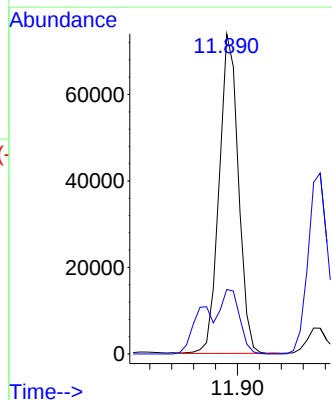
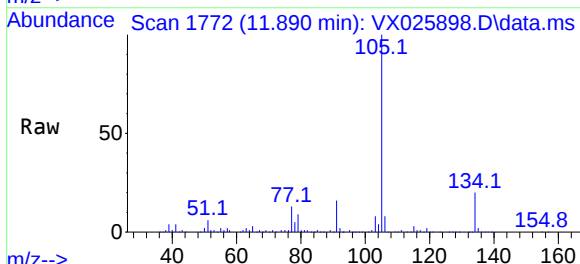
Instrument :
MSVOA_X
ClientSampleId :
EXCAVATION-INFLUENT

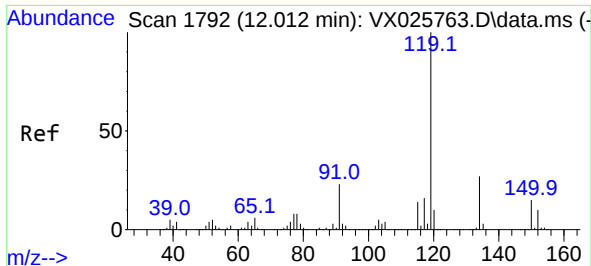
Tgt Ion:105 Resp: 1156518
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.7



#85
sec-Butylbenzene
Concen: 11.938 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.006 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Tgt Ion:105 Resp: 89920
Ion Ratio Lower Upper
105 100
134 20.6 10.4 31.1

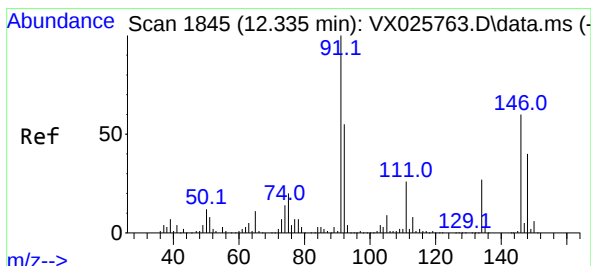
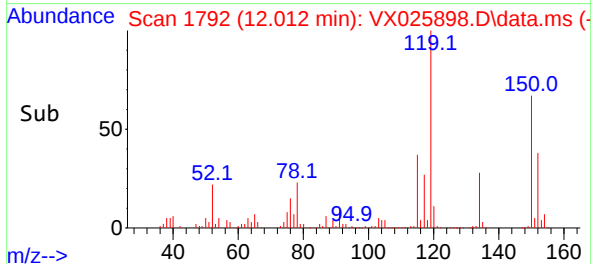
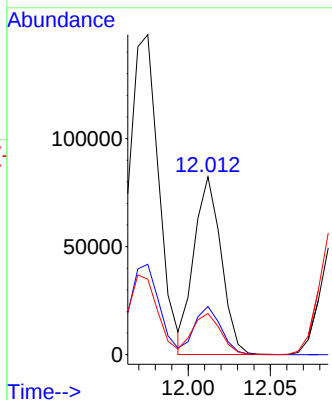
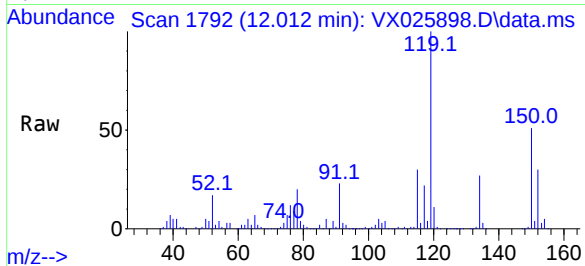




#86
p-Isopropyltoluene
Concen: 14.905 ug/l
RT: 12.012 min Scan# 119
Delta R.T. -0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

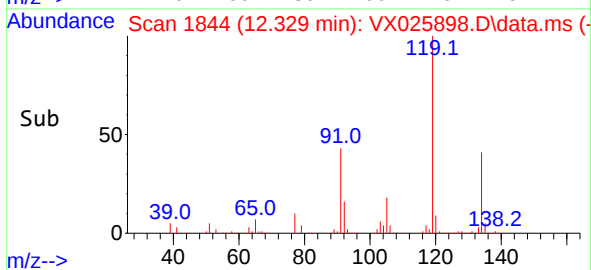
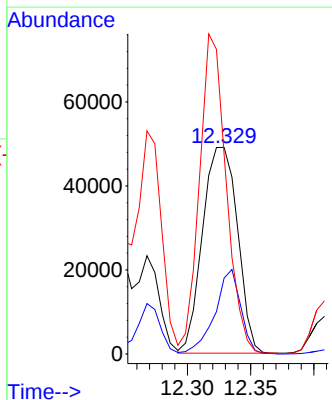
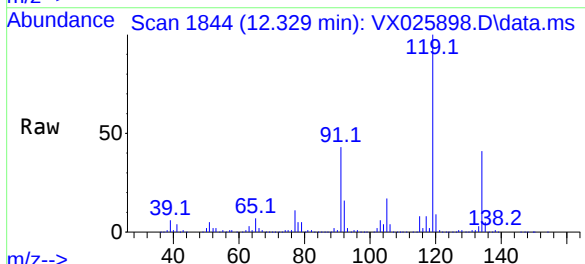
Instrument :
MSVOA_X
ClientSampleId :
EXCAVATION-INFLUENT

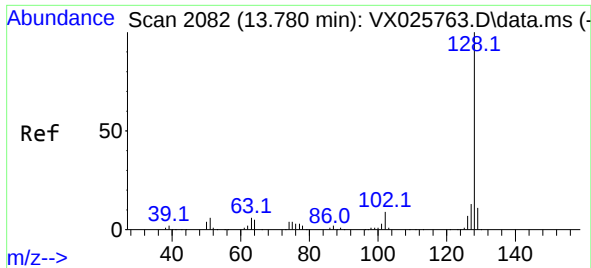
Tgt Ion:119 Resp: 94288
Ion Ratio Lower Upper
119 100
134 26.8 13.2 39.6
91 24.0 11.9 35.9



#89
n-Butylbenzene
Concen: 17.831 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

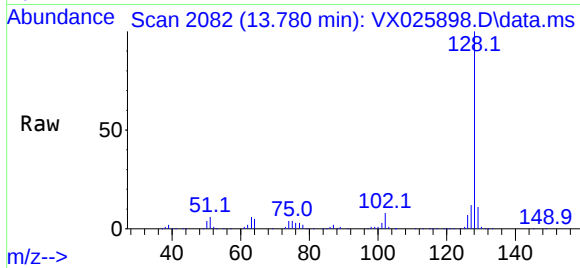
Tgt Ion: 91 Resp: 94088
Ion Ratio Lower Upper
91 100
92 30.5 27.3 81.8
134 119.0 13.5 40.4#





#95
Naphthalene
Concen: 17.284 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX025898.D
Acq: 17 Dec 2021 20:13

Instrument :
MSVOA_X
ClientSampleId :
EXCAVATION-INFLUENT



Tgt Ion:	128	Resp:	113372
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.8	13.2

