

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW083022\
 Data File : VW027594.D
 Acq On : 30 Aug 2022 18:30
 Operator : SY/MD
 Sample : N4400-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 31 04:50:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Aug 31 04:45:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	140541	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	146871	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	58620	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	47848	4.784	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.600%
7) Chloroethane-d5	1.565	69	40246	5.498	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.000%
11) 1,1-Dichloroethene-d2	2.105	63	69178	2.966	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.400%#
20) 2-Butanone-d5	3.905	46	62047	49.846	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.700%
24) Chloroform-d	4.346	84	96947	4.847	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
26) 1,2-Dichloroethane-d4	5.034	65	48754	5.635	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.600%
32) Benzene-d6	5.047	84	183947	4.522	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.066	67	59764	5.053	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.000%
41) Toluene-d8	7.314	98	133392	3.631	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	7.625	79	13735	3.392	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.800%
46) 2-Hexanone-d5	8.092	63	61796	46.357	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.720%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	41230	5.474	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	51013	5.870	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.400%
Target Compounds						Qvalue
3) Chloromethane	1.240	50	803	0.062	ug/L	91
5) Vinyl chloride	1.307	62	5185	0.396	ug/L #	67
6) Bromomethane	1.520	94	378	0.058	ug/L #	64
8) Chloroethane	1.584	64	1053	0.137	ug/L #	58
14) Carbon disulfide	2.294	76	2692	0.092	ug/L #	86
18) trans-1,2-Dichloroethene	2.767	96	506	0.046	ug/L #	61
22) cis-1,2-Dichloroethene	3.912	96	4907	0.420	ug/L	91
33) Benzene	5.108	78	3503	0.072	ug/L	100
35) Methylcyclohexane	6.069	83	15180	0.840	ug/L #	15
39) cis-1,3-Dichloropropene	6.992	75	1040	0.066	ug/L #	64
50) 1,2-Dibromoethane	8.317	107	4973	0.685	ug/L #	1
52) Ethylbenzene	9.021	91	2979	0.058	ug/L	100
53) m,p-Xylene	9.140	106	17342	0.881	ug/L	96
54) o-Xylene	9.545	106	1082	0.057	ug/L	63
61) 1,2,3-Trichloropropane	11.249	75	7606	1.479	ug/L #	64
62) 1,3,5-Trimethylbenzene	10.915	105	1212	0.113	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.580	75	578	0.506	ug/L #	4
71) Naphthalene	13.516	128	828	0.058	ug/L #	69

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Aug 31 04:45:39 2022
Response via : Initial Calibration

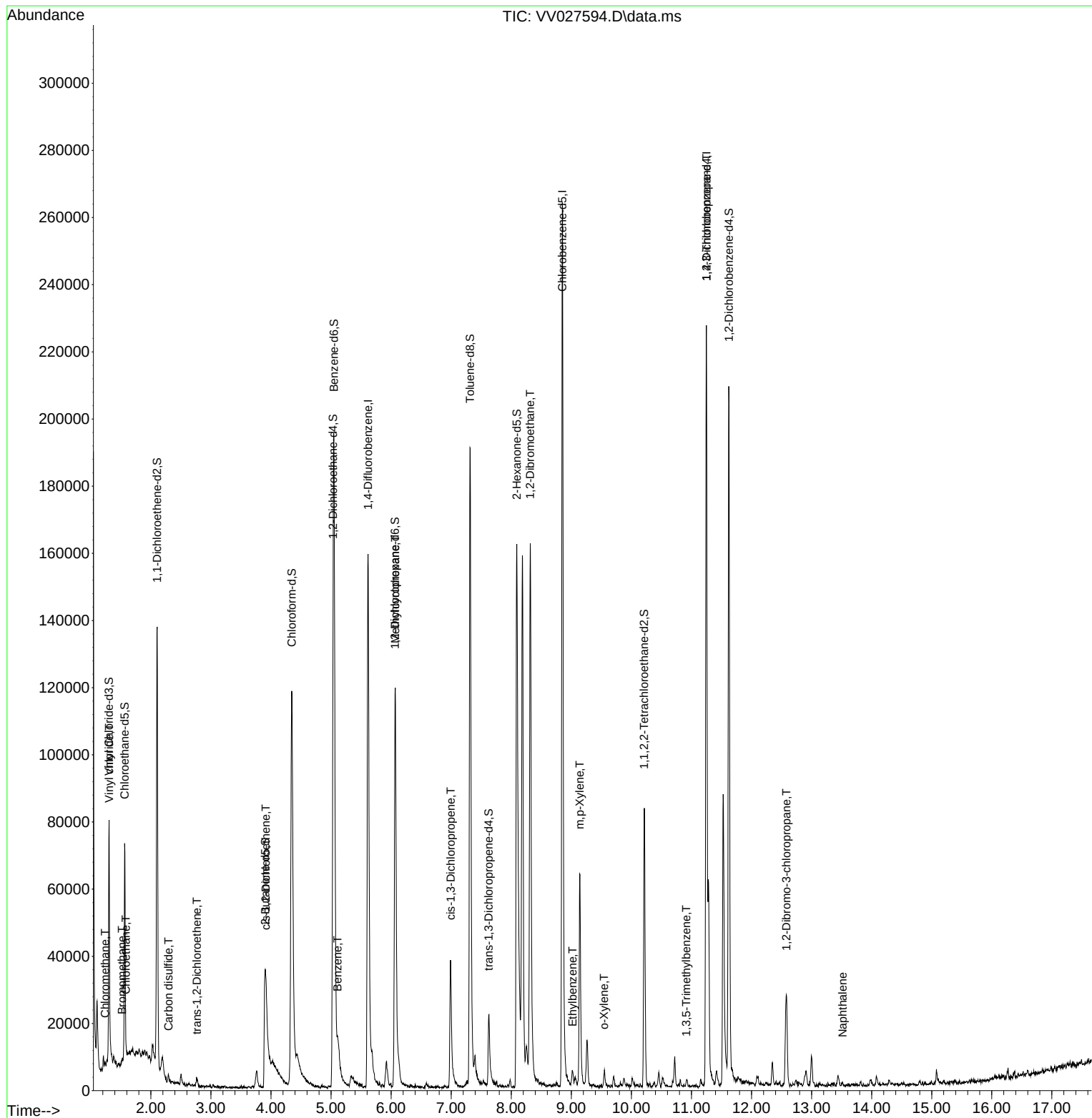
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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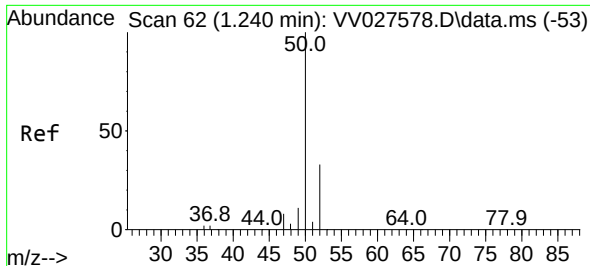
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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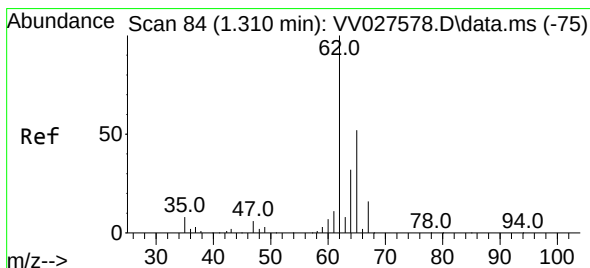
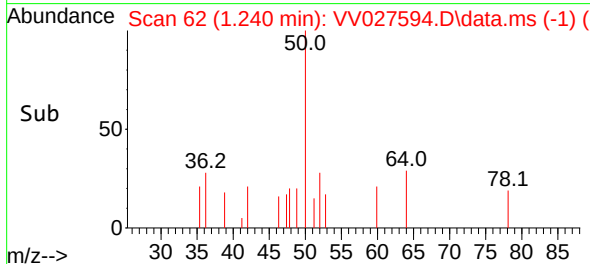
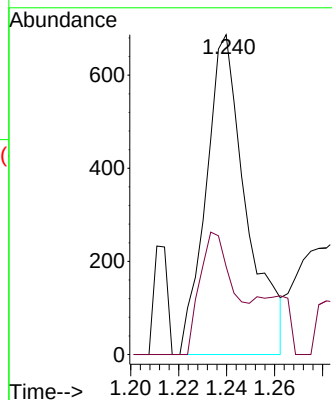
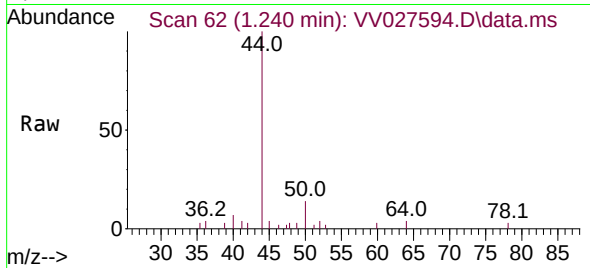




#3
Chloromethane
Concen: 0.062 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

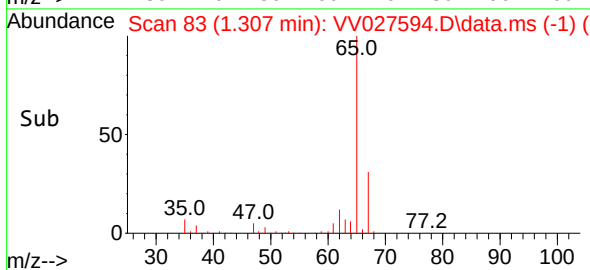
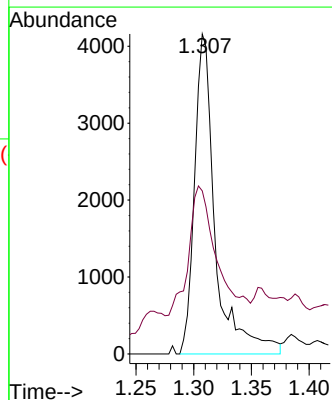
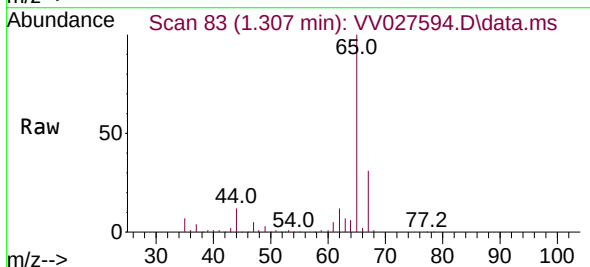
Instrument :
MSVOA_V
ClientSampleId :

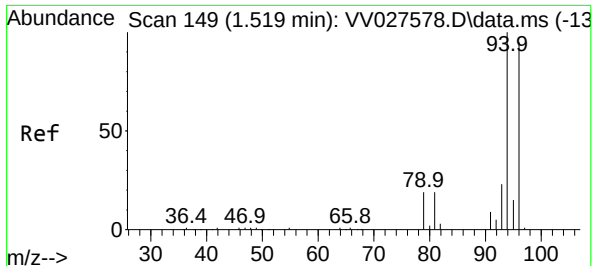
Tgt Ion: 50 Resp: 803
Ion Ratio Lower Upper
50 100
52 27.5 22.8 42.4



#5
Vinyl chloride
Concen: 0.396 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

Tgt Ion: 62 Resp: 5185
Ion Ratio Lower Upper
62 100
64 51.0 22.6 42.0#

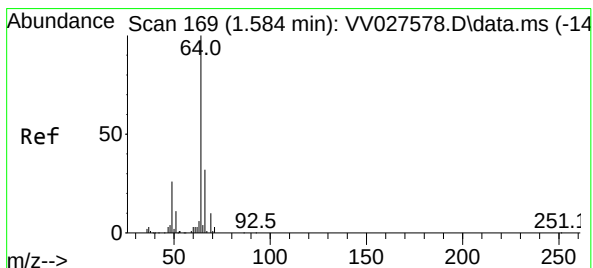
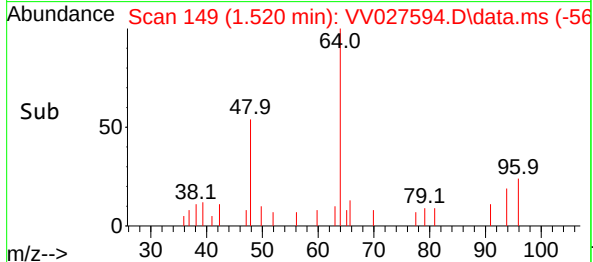
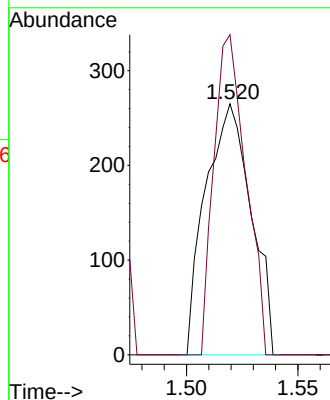
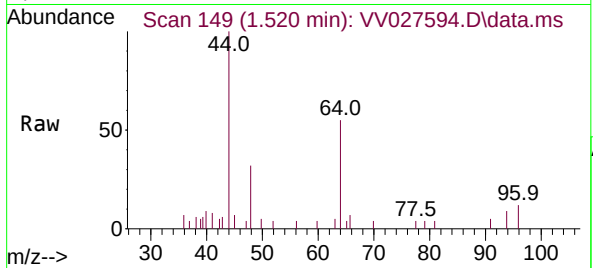




#6
Bromomethane
Concen: 0.058 ug/L
RT: 1.520 min Scan# 149
Delta R.T. 0.000 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

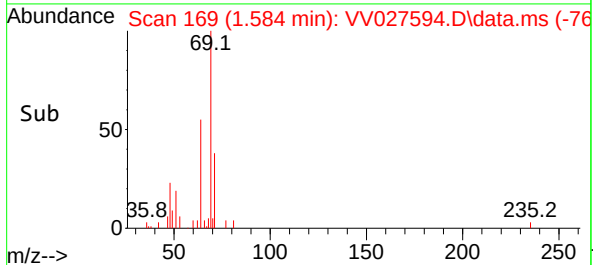
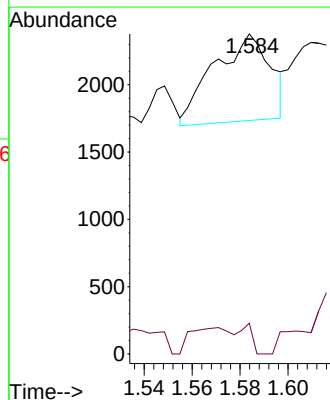
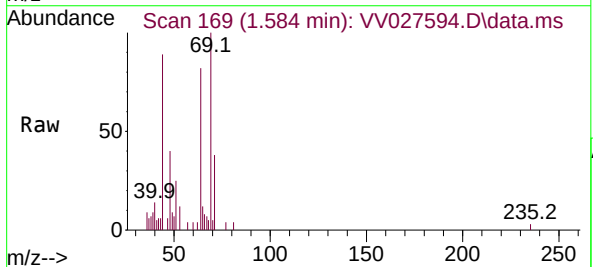
Instrument :
MSVOA_V
ClientSampleId :

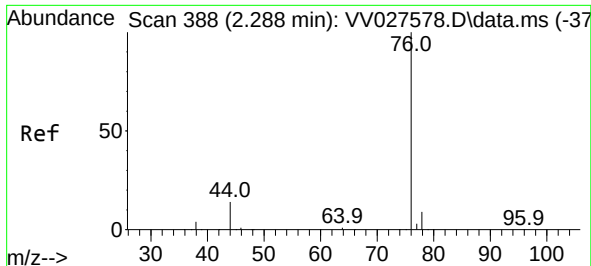
Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 127.5 65.2 121.0#



#8
Chloroethane
Concen: 0.137 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.000 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

Tgt Ion: 64 Resp: 1053
Ion Ratio Lower Upper
64 100
66 9.6 23.3 43.3#

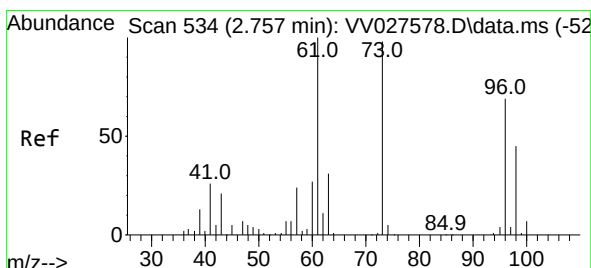
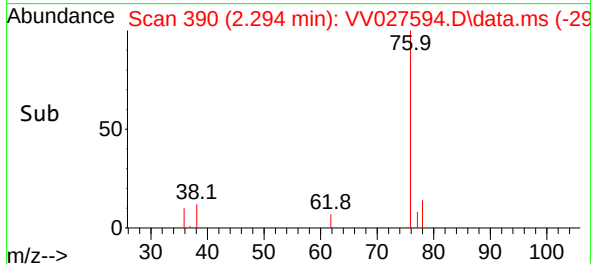
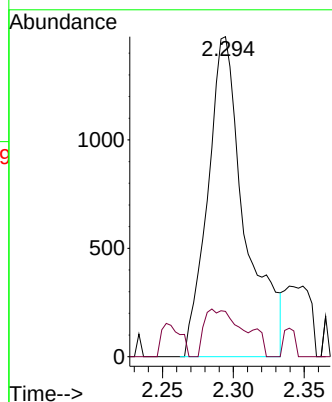
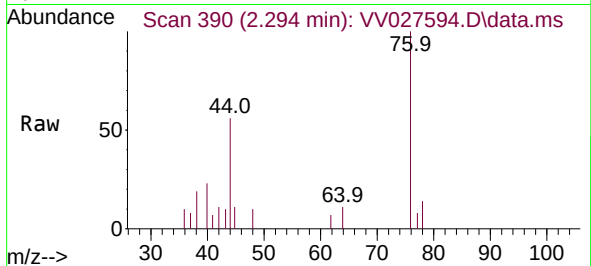




#14
Carbon disulfide
Concen: 0.092 ug/L
RT: 2.294 min Scan# 31
Delta R.T. 0.007 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

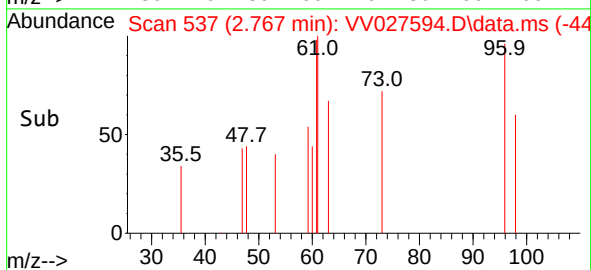
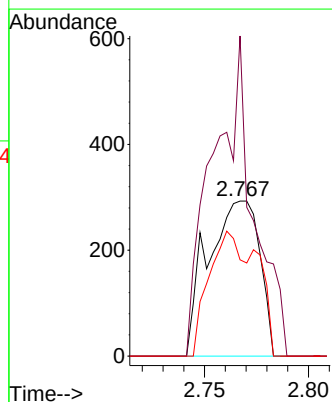
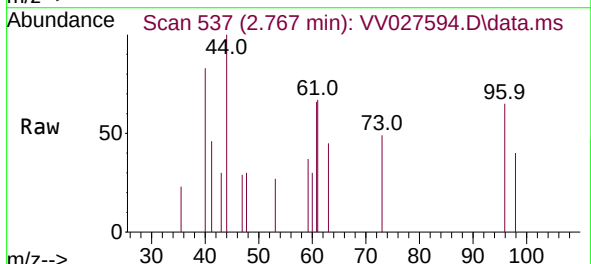
Instrument :
MSVOA_V
ClientSampleId :

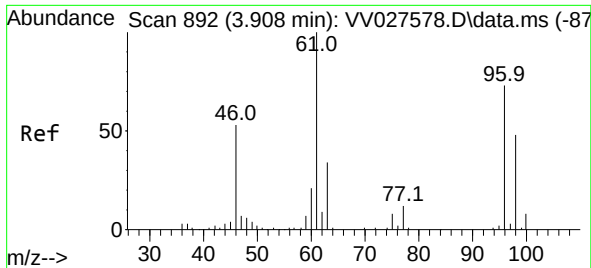
Tgt Ion: 76 Resp: 2692
Ion Ratio Lower Upper
76 100
78 14.2 7.3 10.9#



#18
trans-1,2-Dichloroethene
Concen: 0.046 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

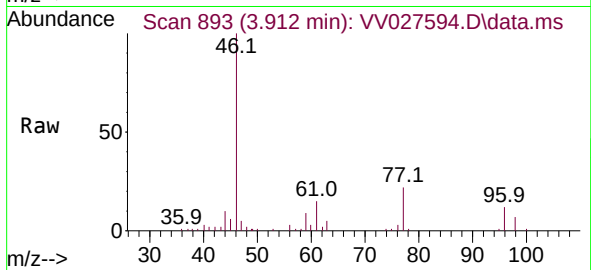
Tgt Ion: 96 Resp: 506
Ion Ratio Lower Upper
96 100
61 206.5 97.6 181.4#
98 62.1 45.9 85.3



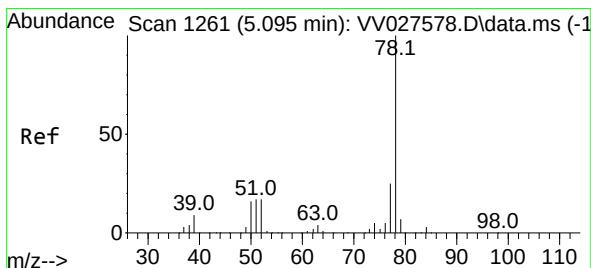
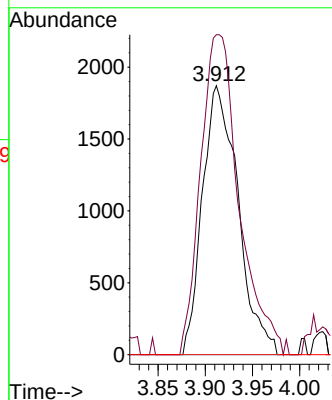
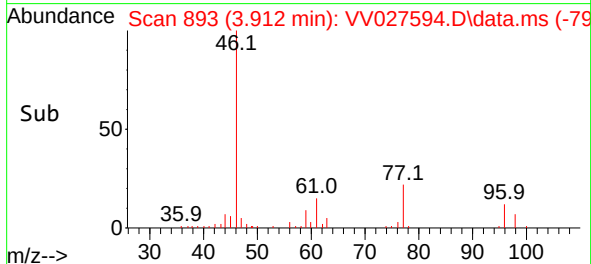


#22
 cis-1,2-Dichloroethene
 Concen: 0.420 ug/L
 RT: 3.912 min Scan# 893
 Delta R.T. 0.003 min
 Lab File: VV027594.D
 Acq: 30 Aug 2022 18:30

Instrument :
 MSVOA_V
 ClientSampleId :

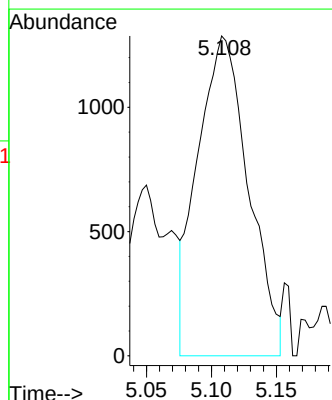
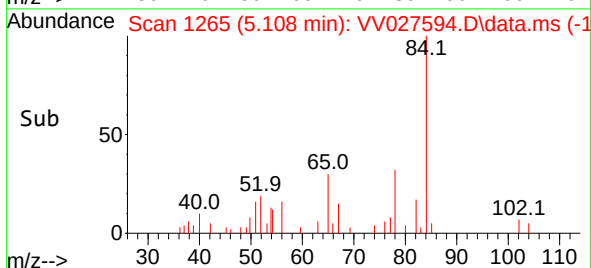
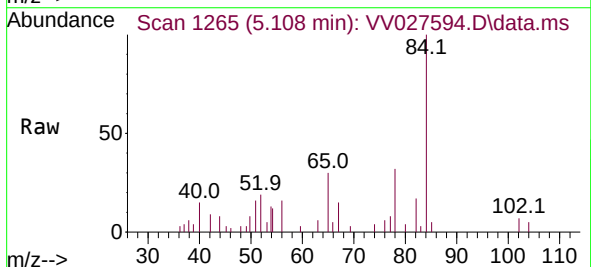


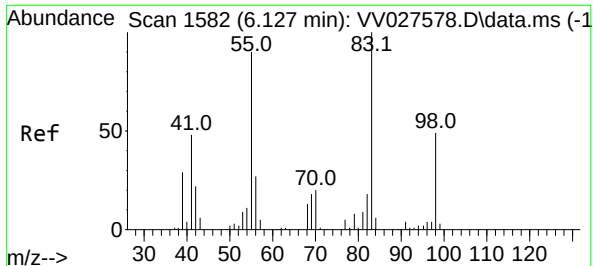
Tgt Ion: 96 Resp: 4907
 Ion Ratio Lower Upper
 96 100
 61 119.0 90.6 168.2
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 0.072 ug/L
 RT: 5.108 min Scan# 1265
 Delta R.T. 0.013 min
 Lab File: VV027594.D
 Acq: 30 Aug 2022 18:30

Tgt Ion: 78 Resp: 3503





#35

Methylcyclohexane

Concen: 0.840 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV027594.D

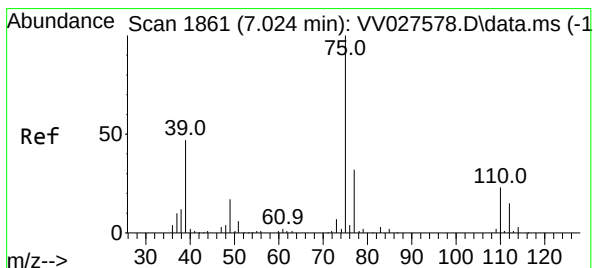
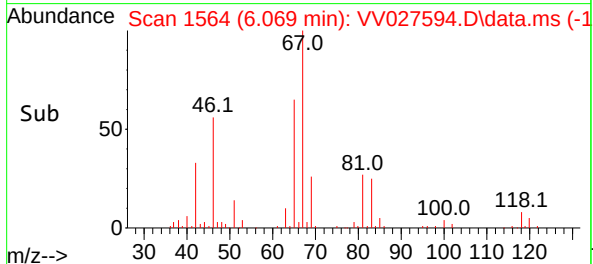
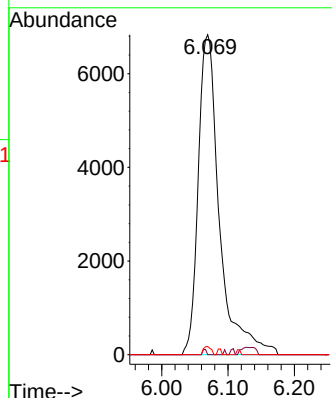
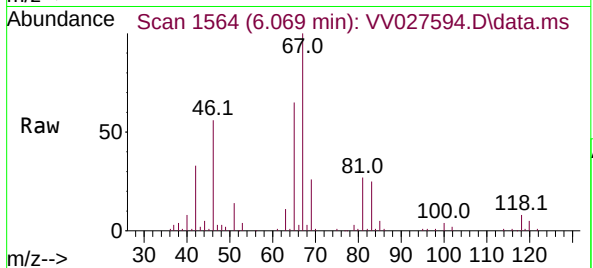
Acq: 30 Aug 2022 18:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 15180
Ion Ratio	Lower Upper
83 100	
55 0.3	68.2 102.4#
98 0.9	39.0 58.4#



#39

cis-1,3-Dichloropropene

Concen: 0.066 ug/L

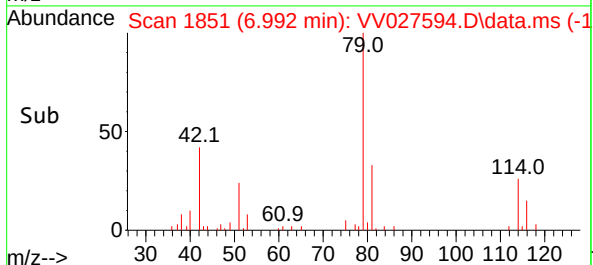
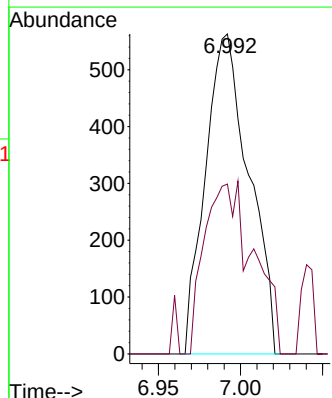
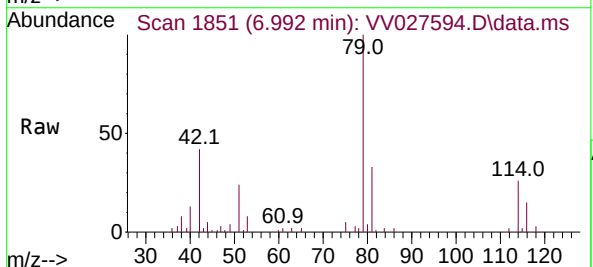
RT: 6.992 min Scan# 1851

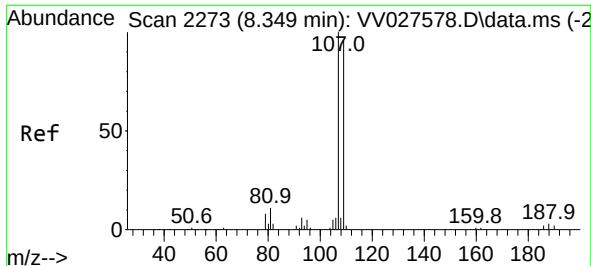
Delta R.T. -0.032 min

Lab File: VV027594.D

Acq: 30 Aug 2022 18:30

Tgt Ion: 75	Resp: 1040
Ion Ratio	Lower Upper
75 100	
77 53.1	22.9 42.5#





#50

1,2-Dibromoethane

Concen: 0.685 ug/L

RT: 8.317 min Scan# 21

Delta R.T. -0.032 min

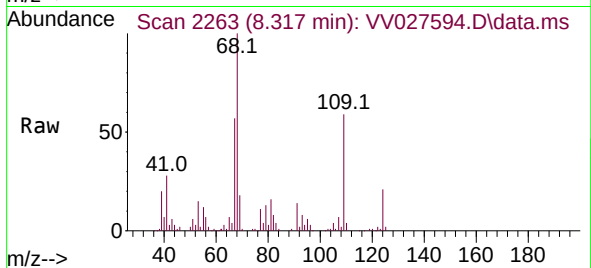
Lab File: VV027594.D

Acq: 30 Aug 2022 18:30

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ClientSampleId :



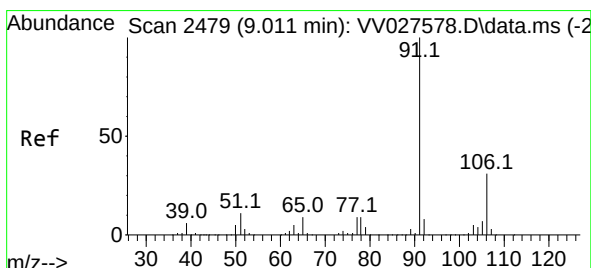
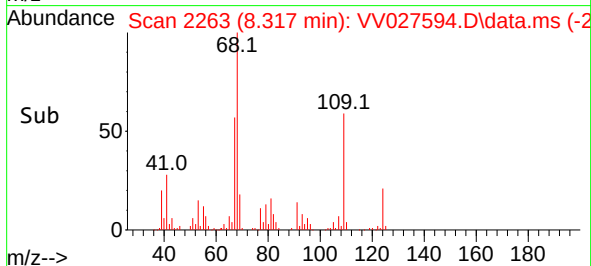
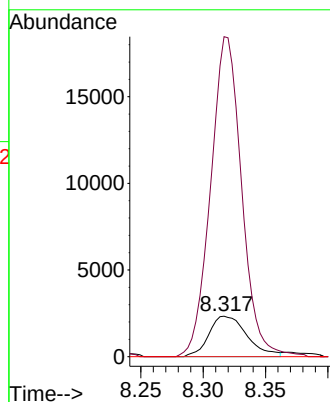
Tgt Ion:107 Resp: 4973

Ion Ratio Lower Upper

107 100

109 790.4 67.8 125.8#

188 0.0 3.5 5.3#



#52

Ethylbenzene

Concen: 0.058 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.010 min

Lab File: VV027594.D

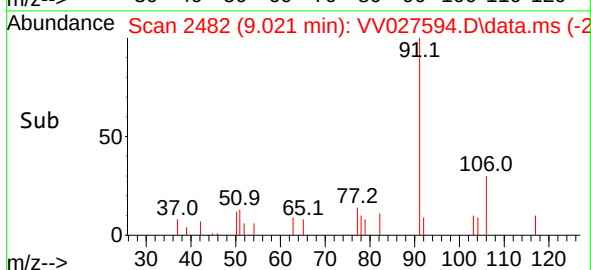
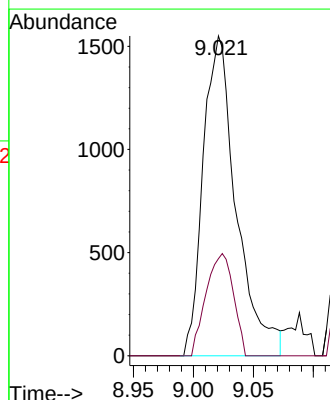
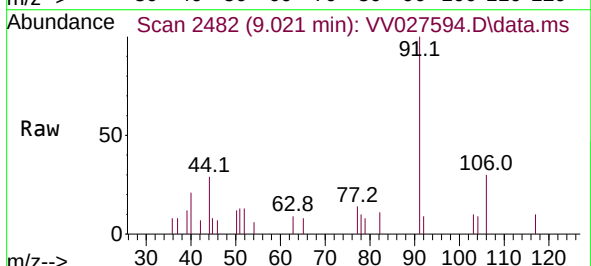
Acq: 30 Aug 2022 18:30

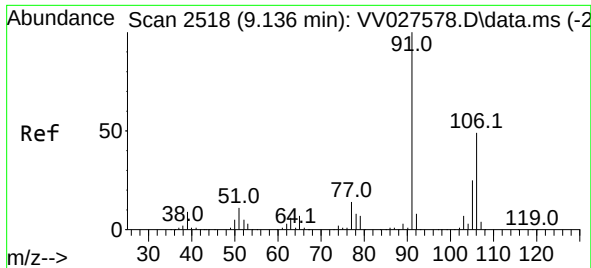
Tgt Ion: 91 Resp: 2979

Ion Ratio Lower Upper

91 100

106 30.4 21.4 39.8

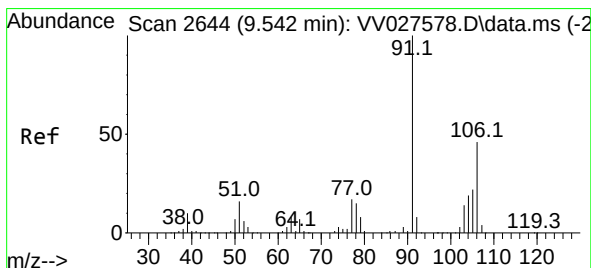
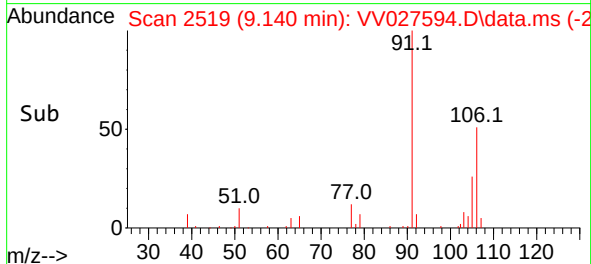
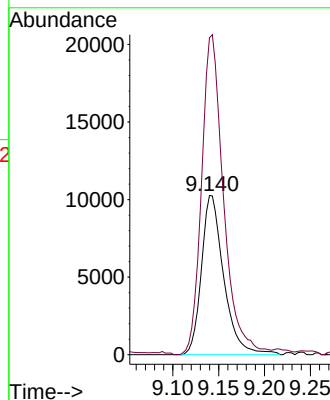
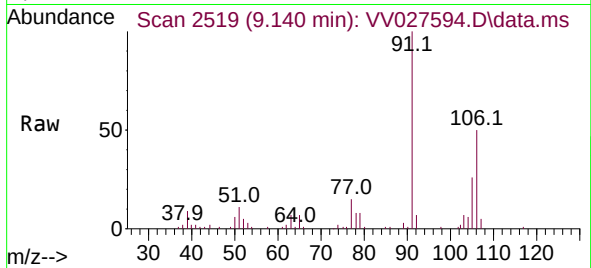




#53
m,p-Xylene
Concen: 0.881 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

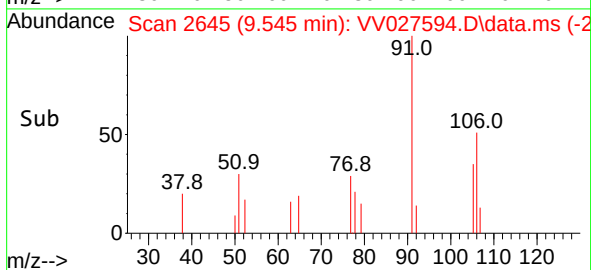
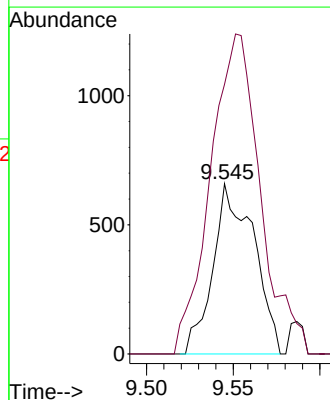
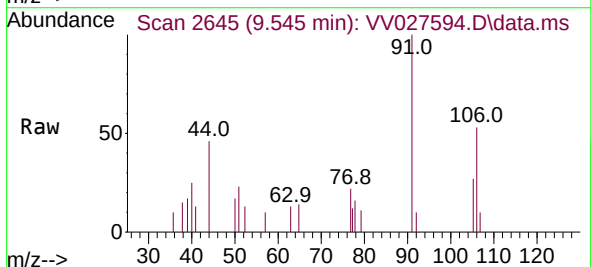
Instrument :
MSVOA_V
ClientSampleId :

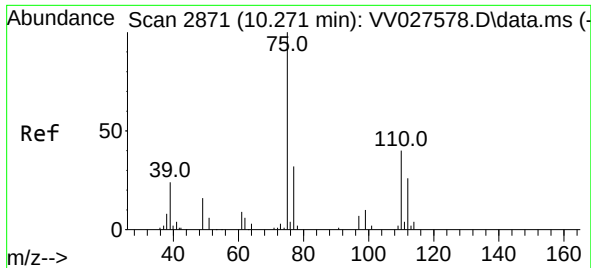
Tgt Ion:106 Resp: 17342
Ion Ratio Lower Upper
106 100
91 199.0 143.8 267.0



#54
o-Xylene
Concen: 0.057 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

Tgt Ion:106 Resp: 1082
Ion Ratio Lower Upper
106 100
91 158.4 151.6 281.6

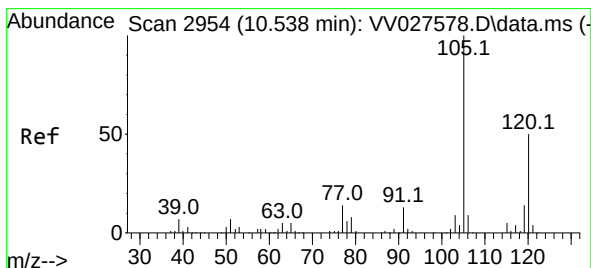
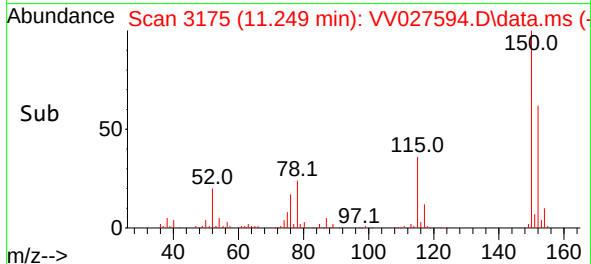
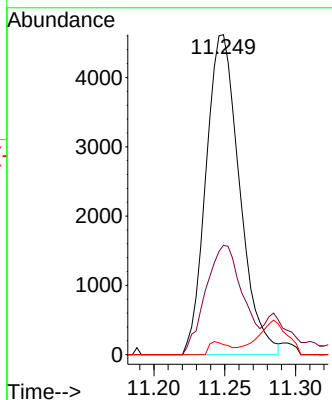
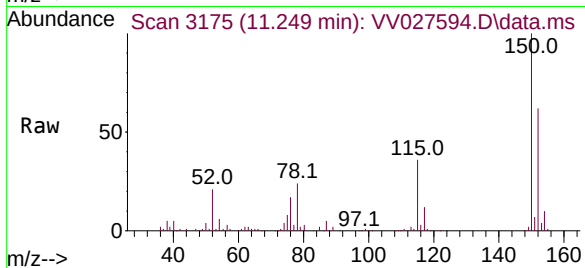




#61
 1,2,3-Trichloropropane
 Concen: 1.479 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.978 min
 Lab File: VV027594.D
 Acq: 30 Aug 2022 18:30

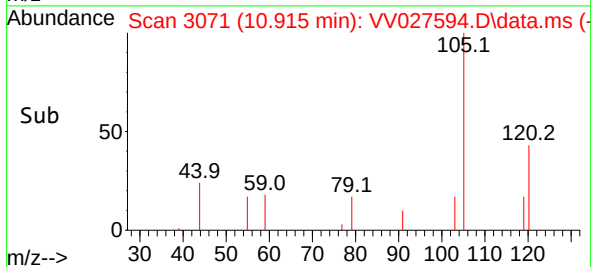
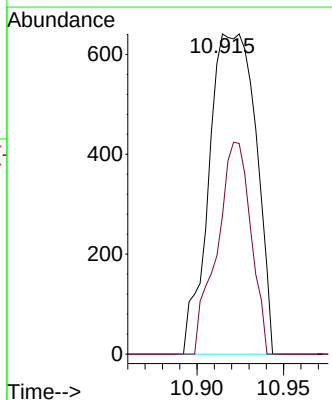
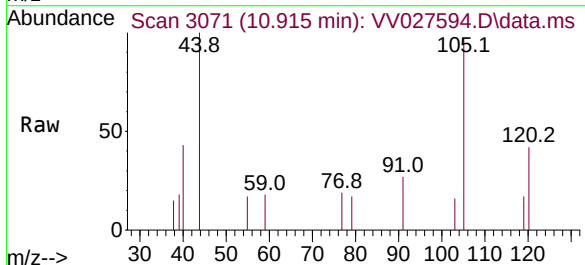
Instrument :
 MSVOA_V
 ClientSampleId :

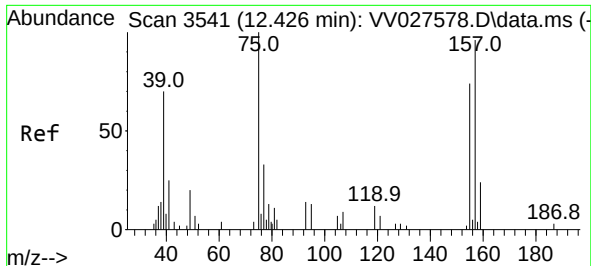
Tgt Ion: 75 Resp: 7606
 Ion Ratio Lower Upper
 75 100
 77 38.0 26.2 39.2
 110 2.3 29.9 44.9#



#62
 1,3,5-Trimethylbenzene
 Concen: 0.113 ug/L
 RT: 10.915 min Scan# 3071
 Delta R.T. 0.376 min
 Lab File: VV027594.D
 Acq: 30 Aug 2022 18:30

Tgt Ion: 105 Resp: 1212
 Ion Ratio Lower Upper
 105 100
 120 47.6 38.7 58.1

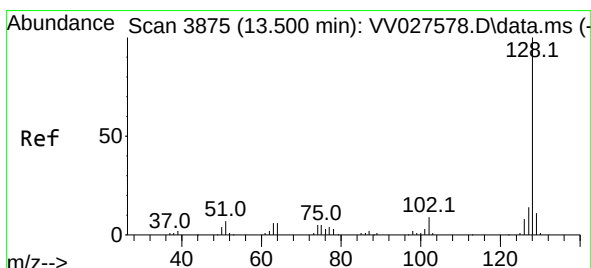
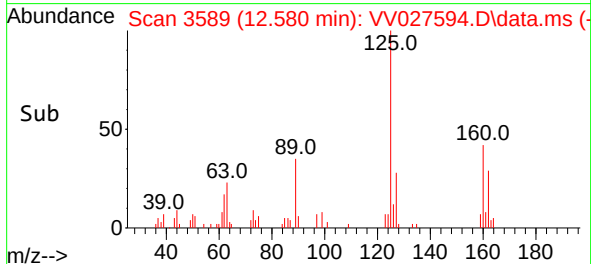
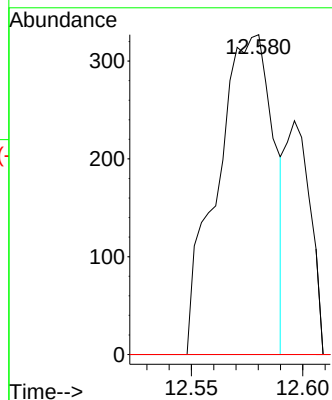
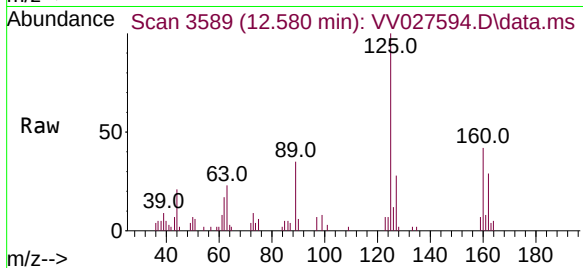




#68
1,2-Dibromo-3-chloropropane
Concen: 0.506 ug/L
RT: 12.580 min Scan# 31
Delta R.T. 0.155 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 578
Ion Ratio Lower Upper
75 100
155 0.0 63.1 94.7#
157 0.0 81.8 122.8#



#71
Naphthalene
Concen: 0.058 ug/L
RT: 13.516 min Scan# 3880
Delta R.T. 0.016 min
Lab File: VV027594.D
Acq: 30 Aug 2022 18:30

Tgt Ion: 128 Resp: 828
Ion Ratio Lower Upper
128 100
129 0.0 8.7 13.1#
127 0.0 10.4 15.6#

