

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121222\
 Data File : VW029625.D
 Acq On : 13 Dec 2022 03:12
 Operator : SY/MD
 Sample : N5928-02DL 50X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ65DL

Quant Time: Dec 13 05:26:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 04:57:44 2022
 Response via : Initial Calibration

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

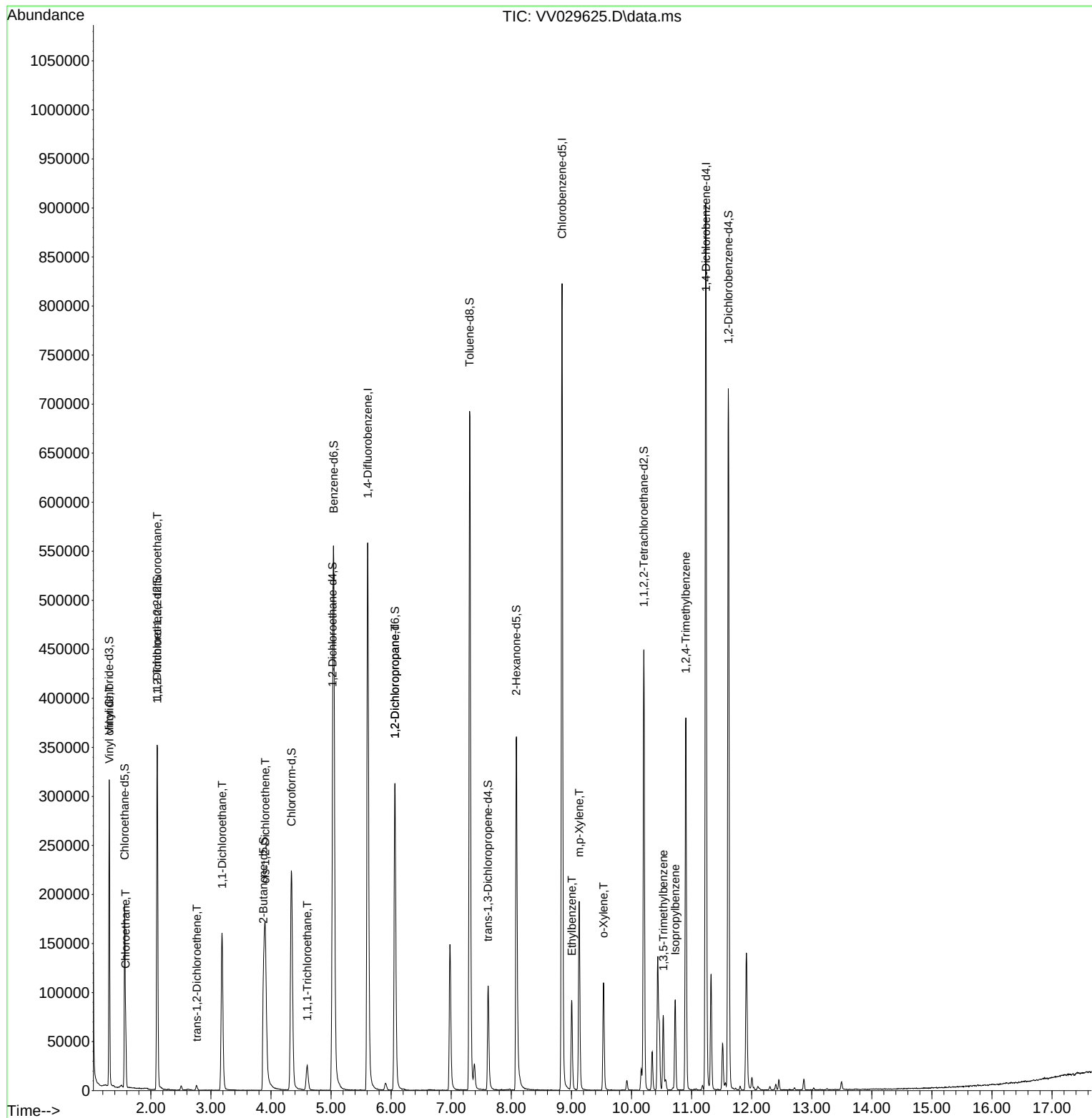
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	518561	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	475941	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	246436	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	141825	44.663	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.320%		
7) Chloroethane-d5	1.565	69	115445	47.677	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.360%		
11) 1,1-Dichloroethene-d2	2.105	63	182833	36.915	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.820%		
21) 2-Butanone-d5	3.873	46	170361	87.946	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.950%		
24) Chloroform-d	4.339	84	244870	40.978	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.960%		
26) 1,2-Dichloroethane-d4	5.024	65	145323	42.581	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.160%		
32) Benzene-d6	5.043	84	541055	43.023	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.040%		
36) 1,2-Dichloropropane-d6	6.063	67	163320	42.516	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.040%		
41) Toluene-d8	7.307	98	485129	40.941	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.880%		
43) trans-1,3-Dichloroprop...	7.612	79	66481	34.273	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.540%		
47) 2-Hexanone-d5	8.082	63	139892	85.281	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.280%		
56) 1,1,2,2-Tetrachloroeth...	10.204	84	224396	40.879	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	81.760%		
66) 1,2-Dichlorobenzene-d4	11.612	152	189802	40.459	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	80.920%		
Target Compounds						Qvalue
5) Vinyl chloride	1.311	62	64912	16.660	ug/L	100
8) Chloroethane	1.581	64	32401	14.934	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	1890	0.697	ug/L #	18
17) trans-1,2-Dichloroethene	2.764	96	2014	0.631	ug/L	95
19) 1,1-Dichloroethane	3.185	63	166364	30.406	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	69119	19.681	ug/L	90
30) 1,1,1-Trichloroethane	4.603	97	20824	4.016	ug/L	96
37) 1,2-Dichloropropane	6.063	63	17328	5.352	ug/L #	85
52) Ethylbenzene	9.005	91	66627	4.389	ug/L	99
53) m,p-Xylene	9.130	106	56736	9.443	ug/L	100
54) o-Xylene	9.535	106	31234	5.255	ug/L	98
60) Isopropylbenzene	10.728	105	58695	4.057	ug/L	93
62) 1,3,5-Trimethylbenzene	10.529	105	41640	3.255	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	209062	16.486	ug/L	99

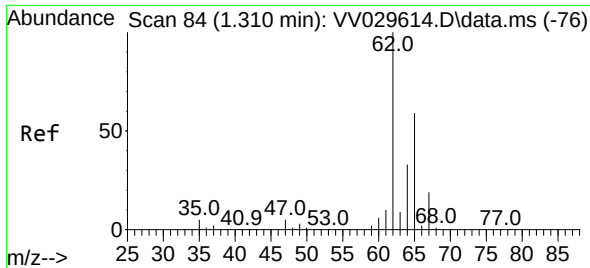
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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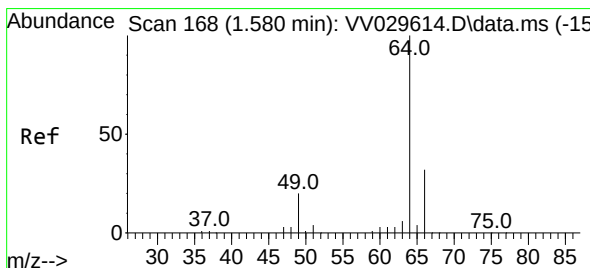
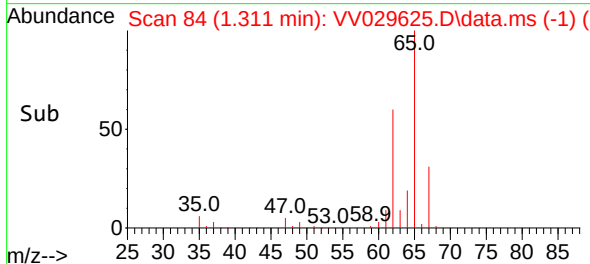
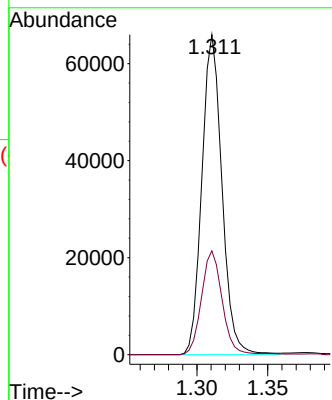
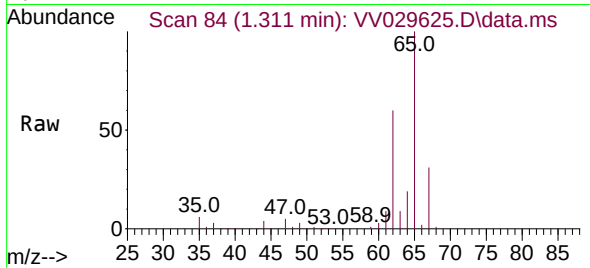




#5
 Vinyl chloride
 Concen: 16.660 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV029625.D
 Acq: 13 Dec 2022 03:12

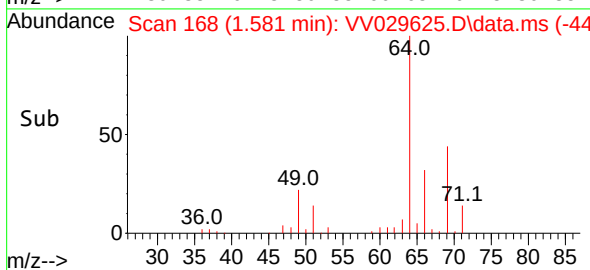
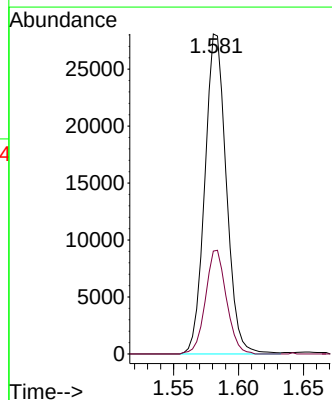
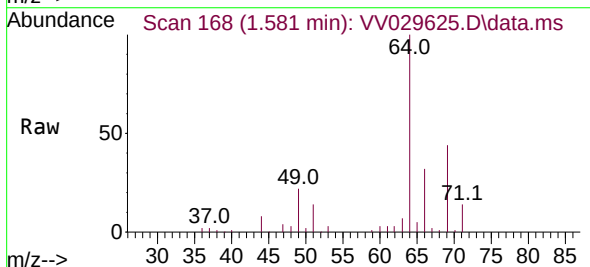
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ65DL

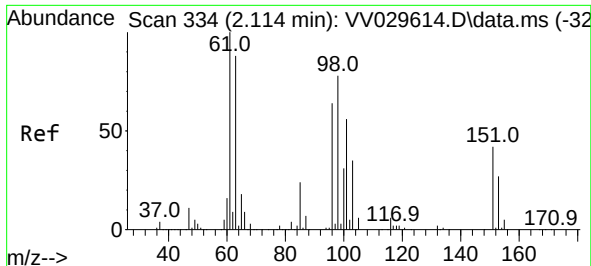
Tgt Ion: 62 Resp: 64912
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.5 41.9



#8
 Chloroethane
 Concen: 14.934 ug/L
 RT: 1.581 min Scan# 168
 Delta R.T. 0.000 min
 Lab File: VV029625.D
 Acq: 13 Dec 2022 03:12

Tgt Ion: 64 Resp: 32401
 Ion Ratio Lower Upper
 64 100
 66 32.2 22.5 41.9

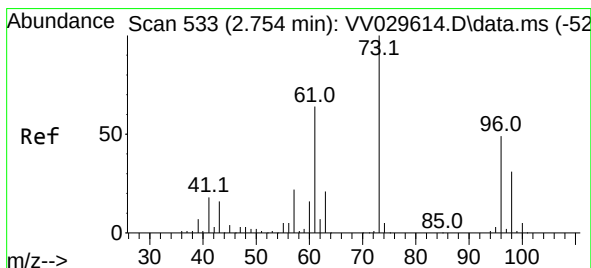
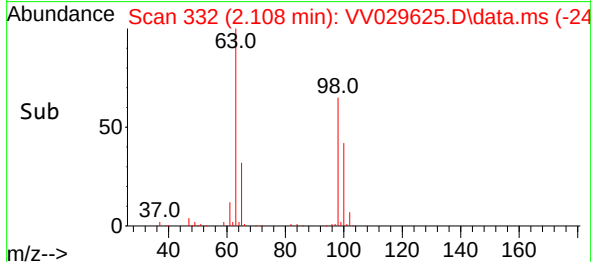
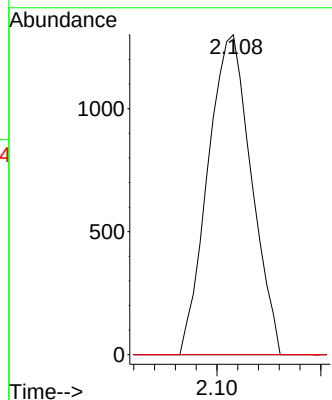
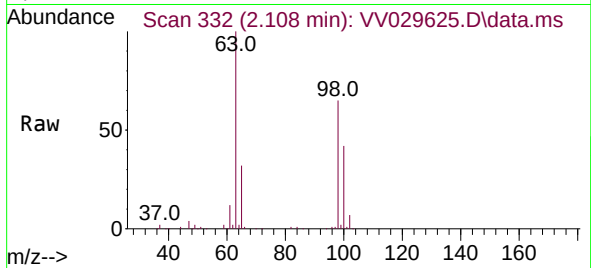




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.697 ug/L
RT: 2.108 min Scan# 31
Delta R.T. -0.006 min
Lab File: VV029625.D
Acq: 13 Dec 2022 03:12

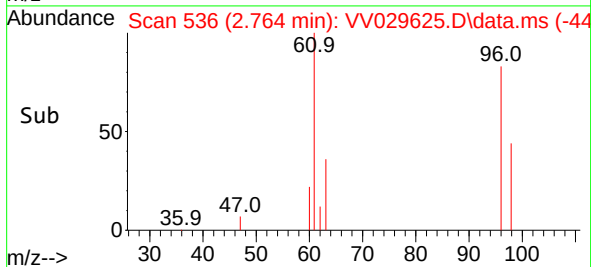
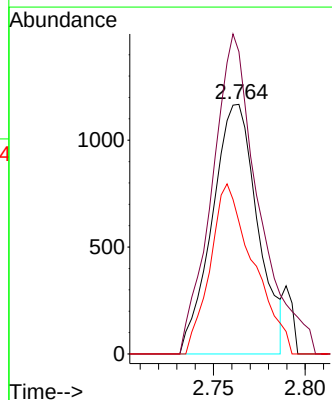
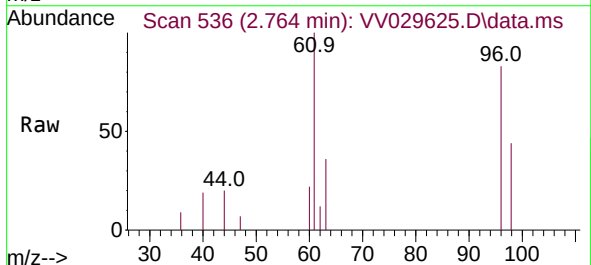
Instrument :
MSVOA_V
ClientSampleId :
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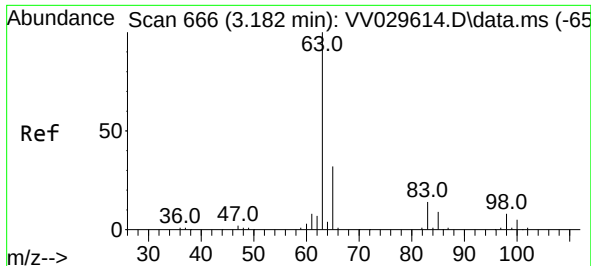
Tgt Ion:101 Resp: 1890
Ion Ratio Lower Upper
101 100
85 0.0 33.6 50.4#
151 0.0 63.5 95.3#



#17
trans-1,2-Dichloroethene
Concen: 0.631 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.010 min
Lab File: VV029625.D
Acq: 13 Dec 2022 03:12

Tgt Ion: 96 Resp: 2014
Ion Ratio Lower Upper
96 100
61 121.1 86.4 160.4
98 52.9 43.4 80.6





#19

1,1-Dichloroethane

Concen: 30.406 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV029625.D

Acq: 13 Dec 2022 03:12

Instrument :

MSVOA_V

ClientSampleId :

EXZ65DL

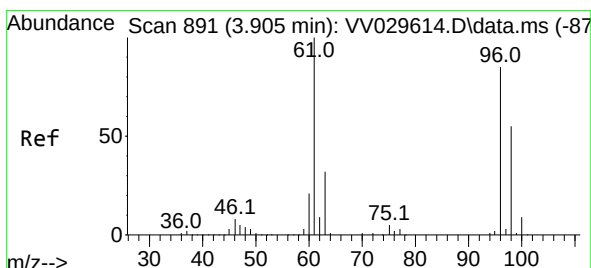
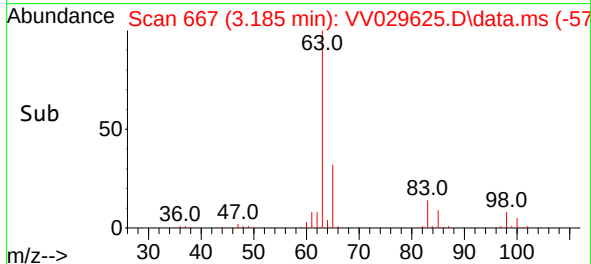
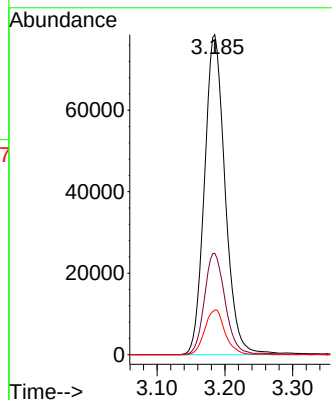
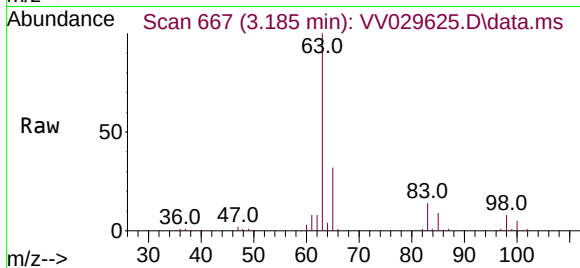
Tgt Ion: 63 Resp: 166364

Ion Ratio Lower Upper

63 100

65 31.7 22.5 41.7

83 14.0 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 19.681 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.000 min

Lab File: VV029625.D

Acq: 13 Dec 2022 03:12

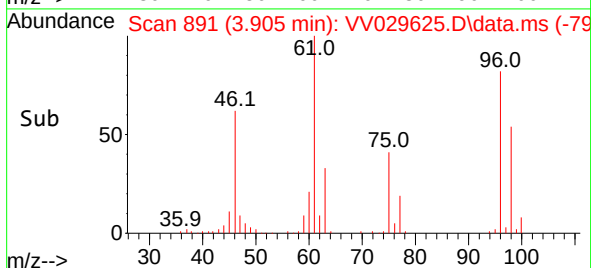
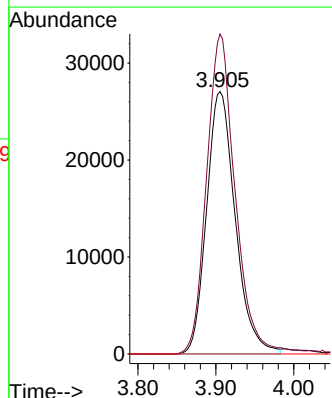
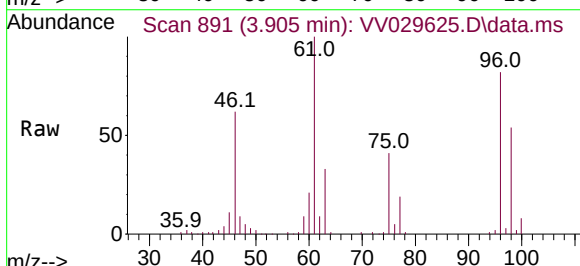
Tgt Ion: 96 Resp: 69119

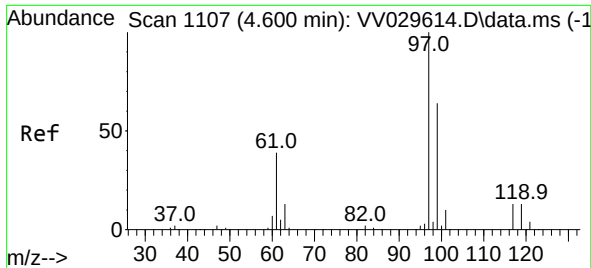
Ion Ratio Lower Upper

96 100

61 122.0 78.0 144.9

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 4.016 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV029625.D

Acq: 13 Dec 2022 03:12

Instrument :

MSVOA_V

ClientSampleId :

EXZ65DL

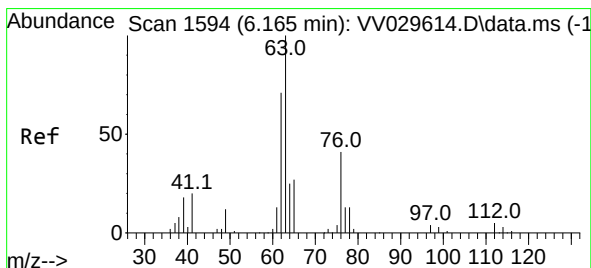
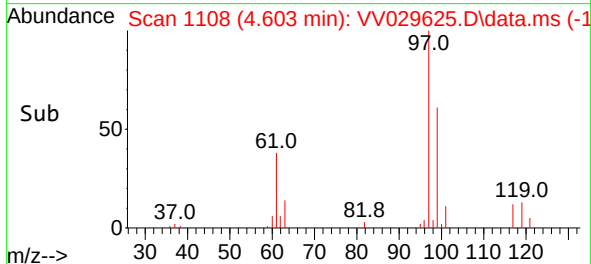
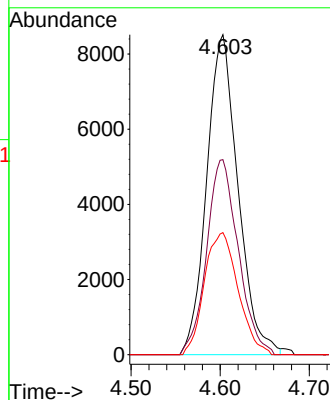
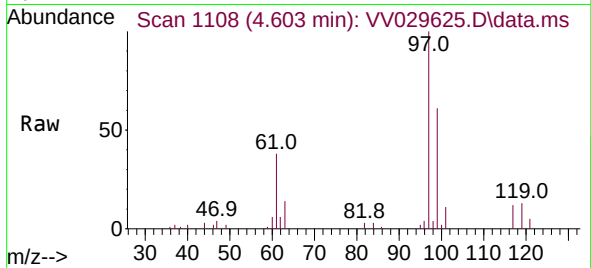
Tgt Ion: 97 Resp: 20824

Ion Ratio Lower Upper

97 100

99 61.5 52.1 78.1

61 41.1 31.8 47.8



#37

1,2-Dichloropropane

Concen: 5.352 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.103 min

Lab File: VV029625.D

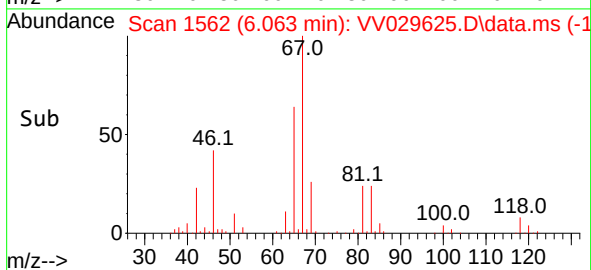
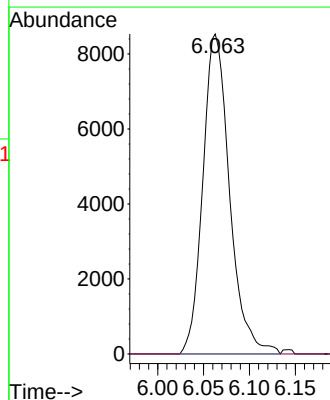
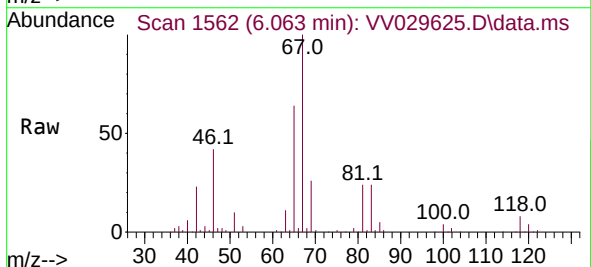
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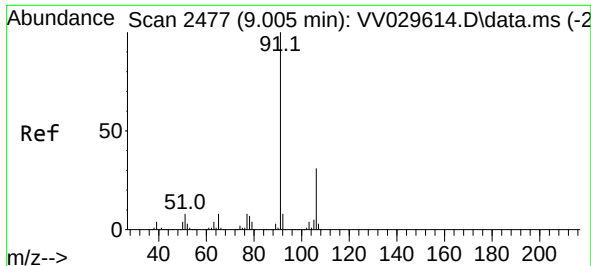
Tgt Ion: 63 Resp: 17328

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#





#52

Ethylbenzene

Concen: 4.389 ug/L

RT: 9.005 min Scan# 2477

Delta R.T. 0.000 min

Lab File: VV029625.D

Acq: 13 Dec 2022 03:12

Instrument :

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ClientSampleId :

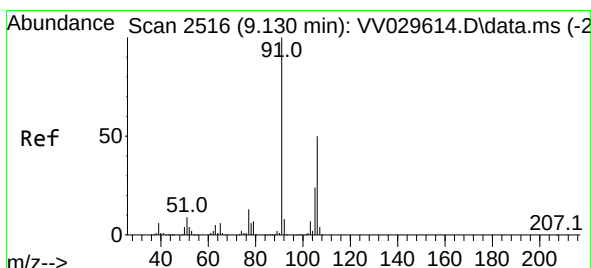
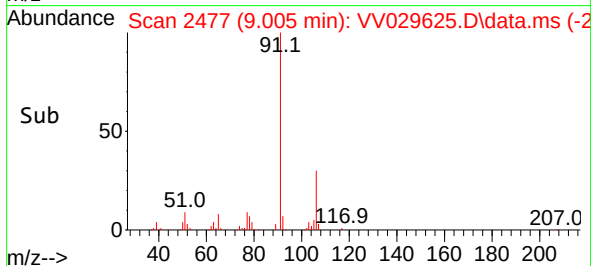
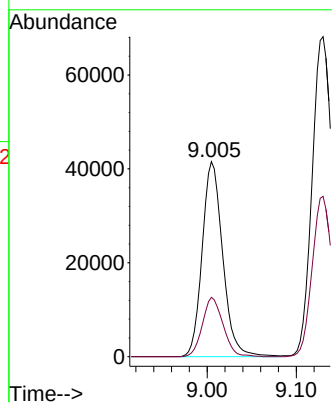
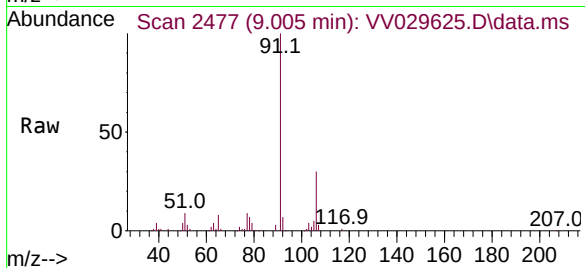
EXZ65DL

Tgt Ion: 91 Resp: 66627

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.6



#53

m,p-Xylene

Concen: 9.443 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.000 min

Lab File: VV029625.D

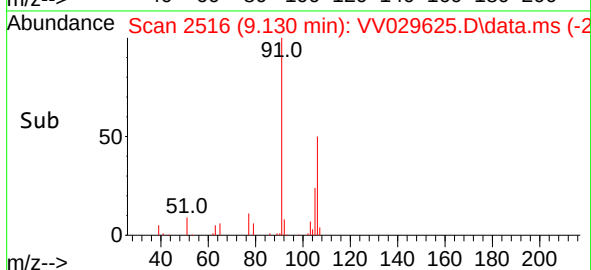
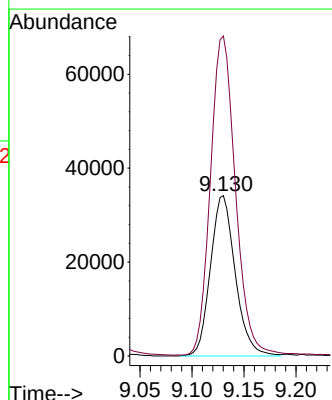
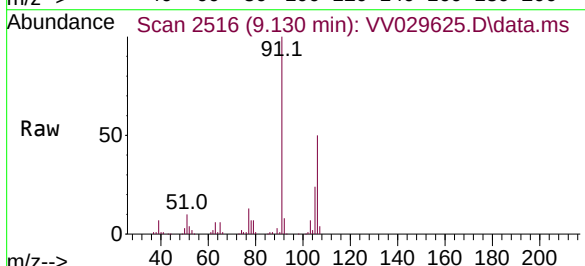
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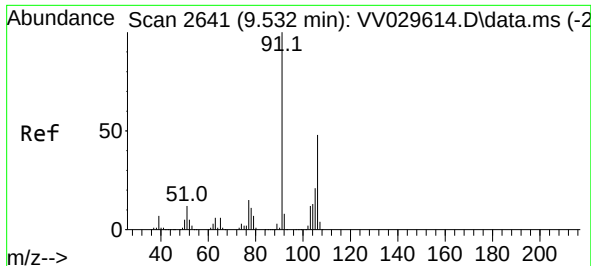
Tgt Ion: 106 Resp: 56736

Ion Ratio Lower Upper

106 100

91 199.6 139.5 259.1

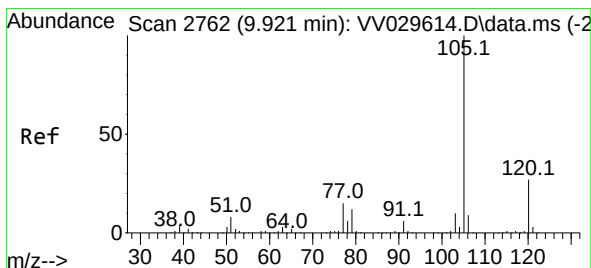
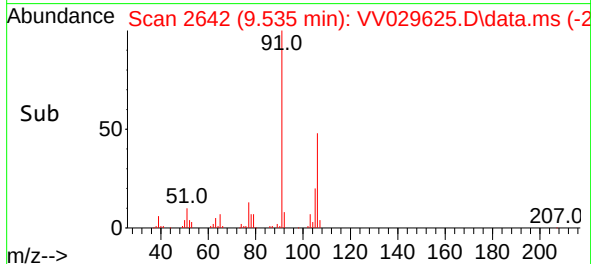
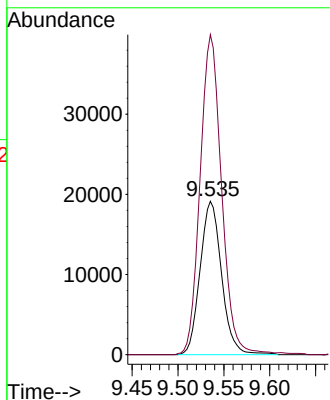
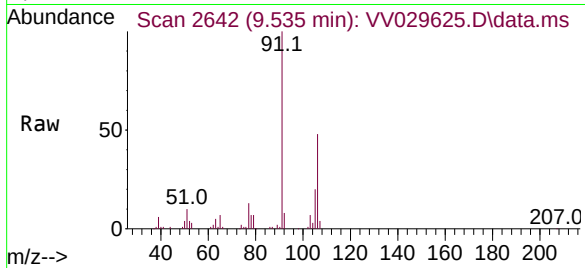




#54
o-Xylene
Concen: 5.255 ug/L
RT: 9.535 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV029625.D
Acq: 13 Dec 2022 03:12

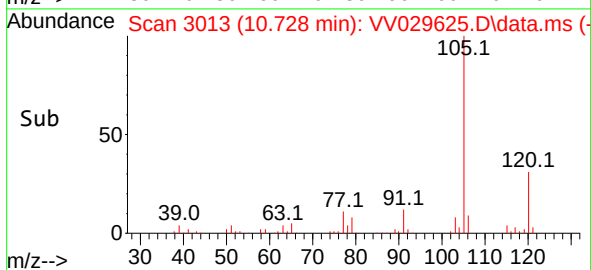
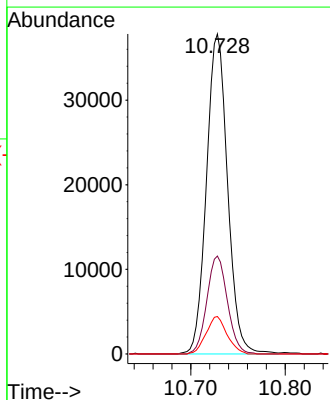
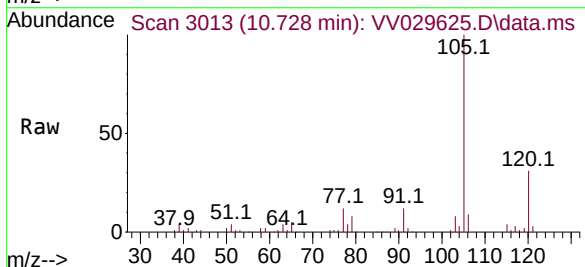
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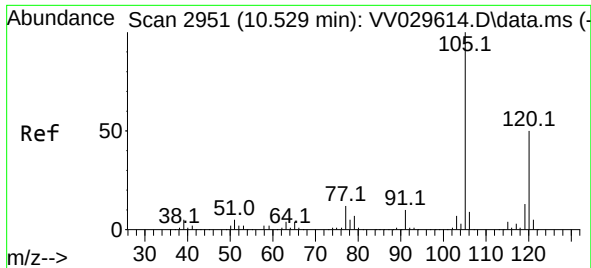
Tgt Ion:106 Resp: 31234
Ion Ratio Lower Upper
106 100
91 208.6 148.0 274.8



#60
Isopropylbenzene
Concen: 4.057 ug/L
RT: 10.728 min Scan# 3013
Delta R.T. 0.807 min
Lab File: VV029625.D
Acq: 13 Dec 2022 03:12

Tgt Ion:105 Resp: 58695
Ion Ratio Lower Upper
105 100
120 29.7 21.1 31.7
77 11.6 11.6 17.4





#62

1,3,5-Trimethylbenzene

Concen: 3.255 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV029625.D

Acq: 13 Dec 2022 03:12

Instrument :

MSVOA_V

ClientSampleId :

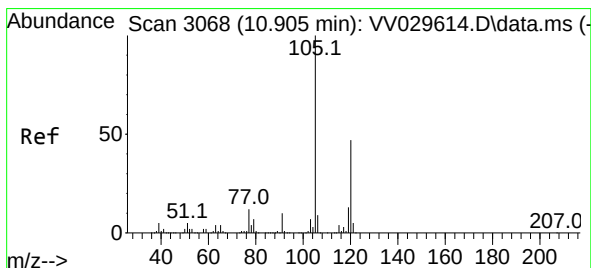
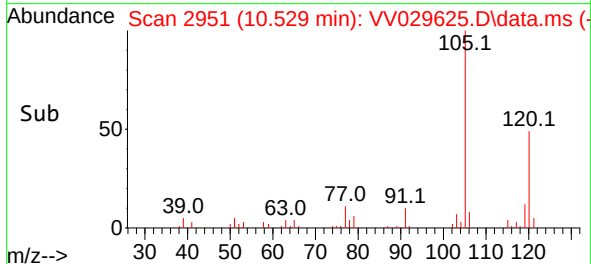
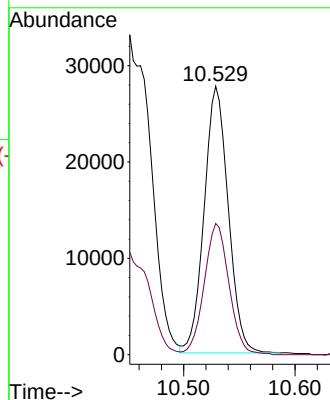
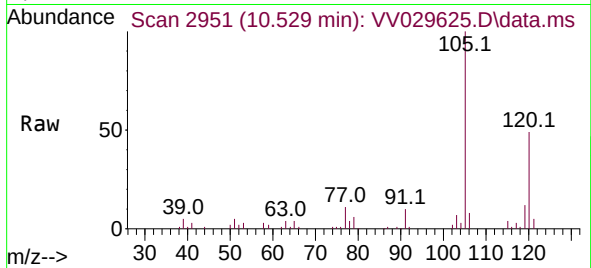
EXZ65DL

Tgt Ion:105 Resp: 41640

Ion Ratio Lower Upper

105 100

120 50.7 40.0 60.0



#63

1,2,4-Trimethylbenzene

Concen: 16.486 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV029625.D

Acq: 13 Dec 2022 03:12

Tgt Ion:105 Resp: 209062

Ion Ratio Lower Upper

105 100

120 46.4 36.7 55.1

