

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
 Data File : VX024983.D
 Acq On : 27 Oct 2021 20:36
 Operator : JC/MD
 Sample : VIBLK602
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 28 05:02:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:48:27 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	155687	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	138851	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	65202	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	27166	46.034	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.060%
7) Chloroethane-d5	1.666	69	18946	47.132	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.260%
11) 1,1-Dichloroethene-d2	2.307	63	68920	36.388	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.780%
21) 2-Butanone-d5	4.465	46	55227	95.462	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.460%
24) Chloroform-d	5.068	84	114525	45.453	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.900%
26) 1,2-Dichloroethane-d4	5.964	65	75750	47.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.760%
32) Benzene-d6	5.983	84	184643	49.963	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.920%
36) 1,2-Dichloropropane-d6	7.312	67	54261	48.740	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.480%
41) Toluene-d8	8.653	98	186917	49.703	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.400%
43) trans-1,3-Dichloroprop...	8.952	79	33332	46.719	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.440%
47) 2-Hexanone-d5	9.391	63	52319	100.558	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.560%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	83222	49.244	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.480%
66) 1,2-Dichlorobenzene-d4	12.323	152	64586	48.316	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.640%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	341	0.818	ug/L #	66
5) Vinyl chloride	1.374	62	574	1.007	ug/L #	4
6) Bromomethane	1.612	94	595	1.291	ug/L	98
8) Chloroethane	1.697	64	371	1.165	ug/L	87
12) 1,1-Dichloroethene	2.313	96	1320	1.467	ug/L #	1
14) Carbon disulfide	2.514	76	5855	2.624	ug/L	99
15) Methyl Acetate	2.709	43	553	0.793	ug/L #	39
16) Methylene chloride	2.788	84	1092	1.084	ug/L	91
17) trans-1,2-Dichloroethene	3.093	96	1275	1.332	ug/L #	78
42) Toluene	8.726	91	5523	1.270	ug/L	89
44) trans-1,3-Dichloropropene	8.952	75	1552	0.880	ug/L	98
46) Tetrachloroethene	9.275	164	882	1.023	ug/L	82
53) m,p-Xylene	10.311	106	1525	0.839	ug/L	67
60) Isopropylbenzene	10.963	105	3973	0.821	ug/L	94
62) 1,3,5-Trimethylbenzene	11.756	105	3692	0.872	ug/L	91
63) 1,2,4-Trimethylbenzene	11.756	105	3692	0.872	ug/L	97
64) 1,3-Dichlorobenzene	11.976	146	2474	1.225	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	2428	1.202	ug/L #	87
67) 1,2-Dichlorobenzene	12.335	146	2099	1.044	ug/L #	90

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 Quant Title : VOC Analysis
 QLast Update : Thu Oct 28 04:48:27 2021
 Response via : Initial Calibration

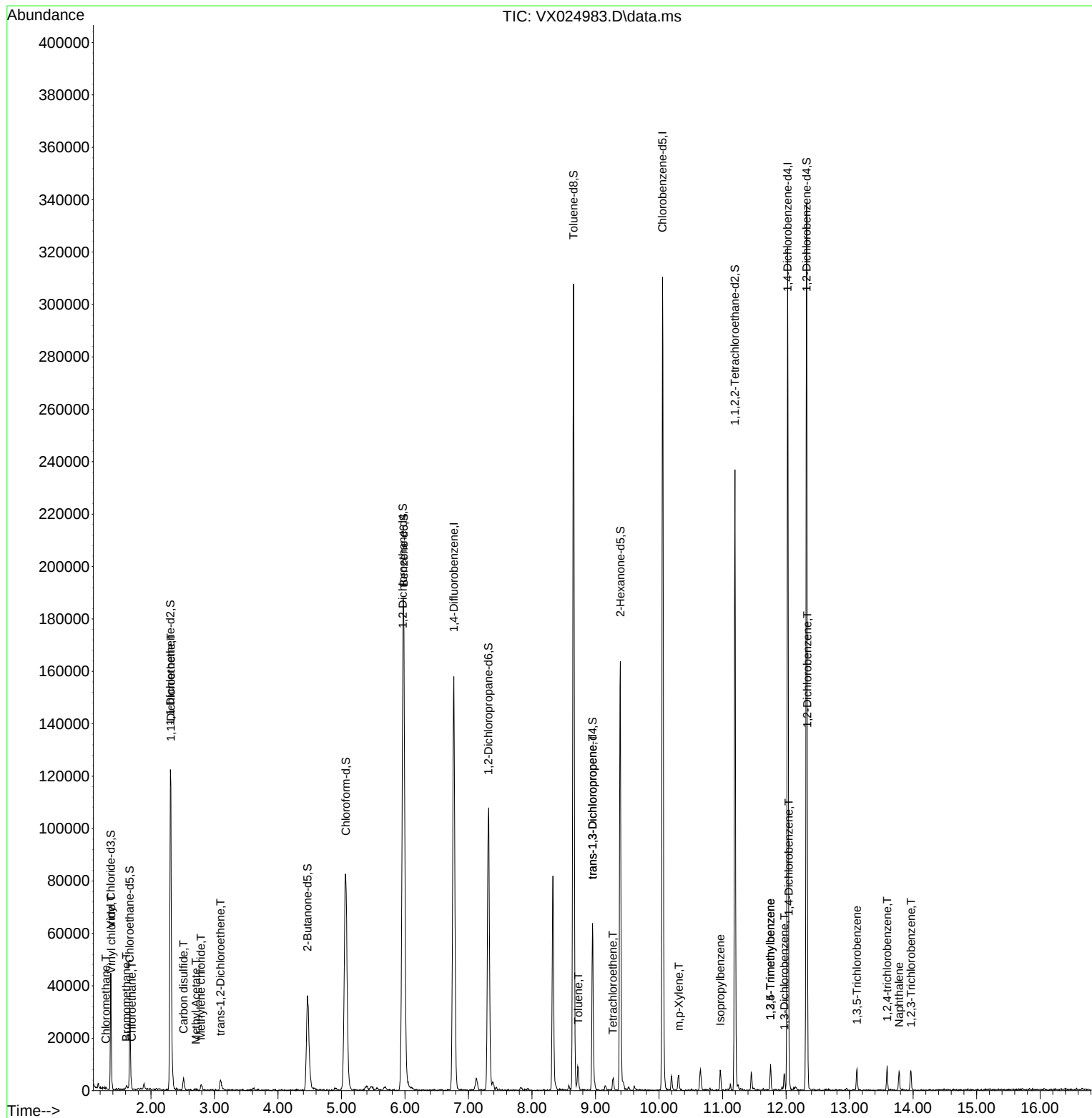
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) 1,3,5-Trichlorobenzene	13.116	180	2195	1.562	ug/L	94
70) 1,2,4-trichlorobenzene	13.591	180	1903	1.596	ug/L	96
71) Naphthalene	13.780	128	4798	1.168	ug/L	96
72) 1,2,3-Trichlorobenzene	13.969	180	1928	1.568	ug/L	92

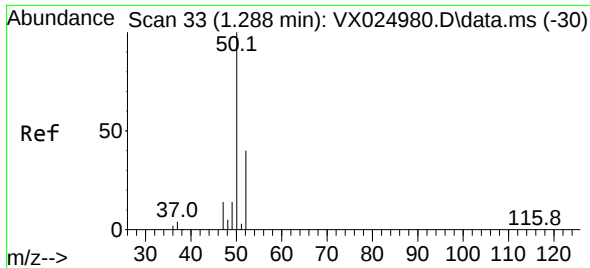
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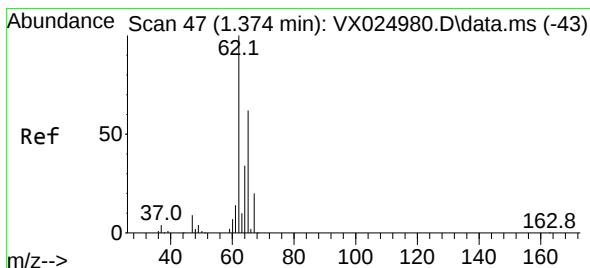
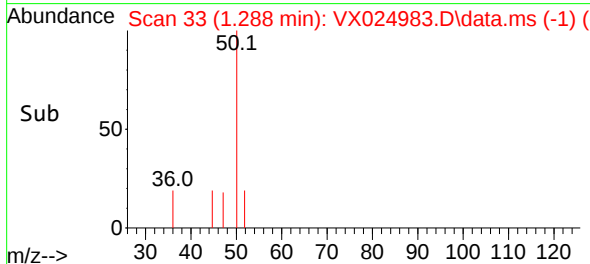
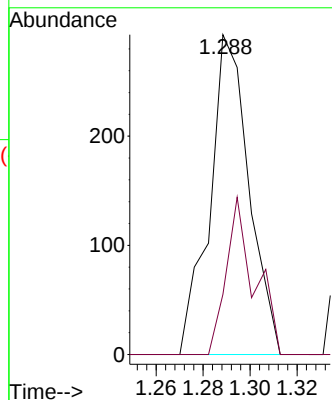
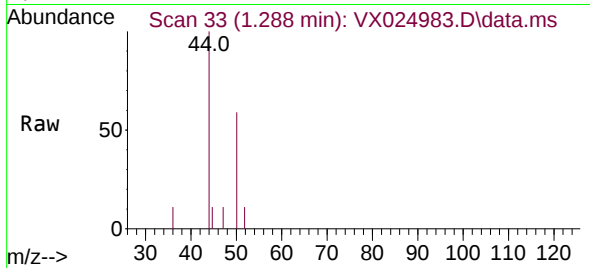




#3
Chloromethane
Concen: 0.818 ug/L
RT: 1.288 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

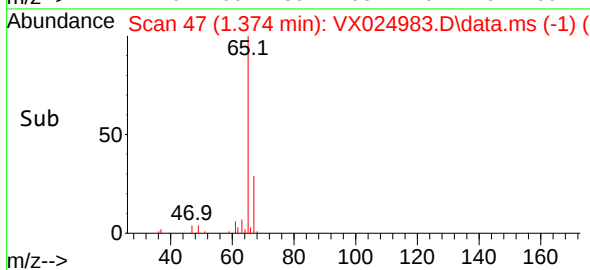
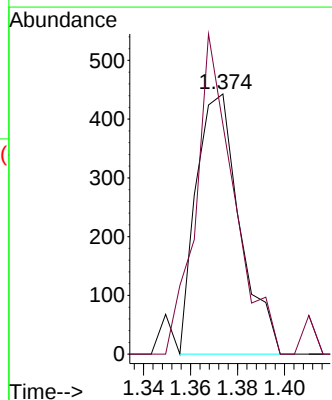
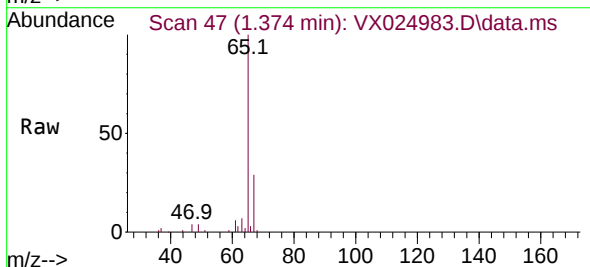
Instrument :
MSVOA_X
ClientSampled :

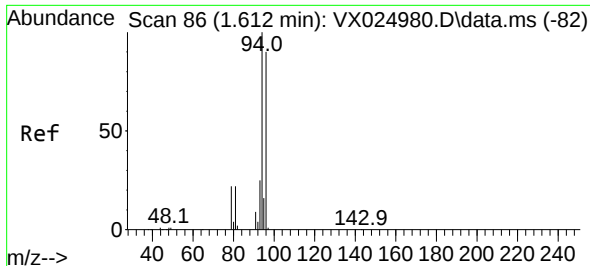
Tgt Ion: 50 Resp: 341
Ion Ratio Lower Upper
50 100
52 18.8 28.0 52.0#



#5
Vinyl chloride
Concen: 1.007 ug/L
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Tgt Ion: 62 Resp: 574
Ion Ratio Lower Upper
62 100
64 88.3 23.6 43.8#

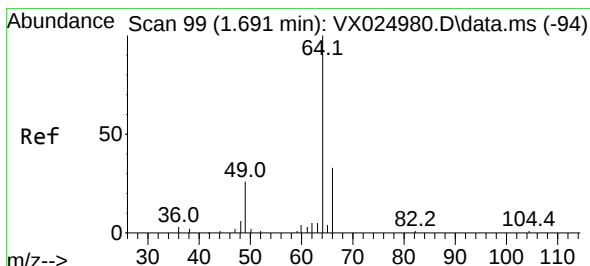
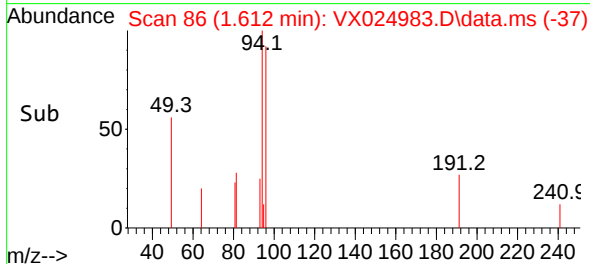
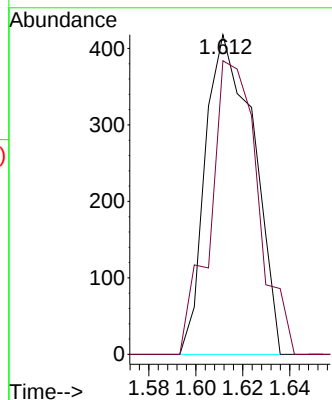
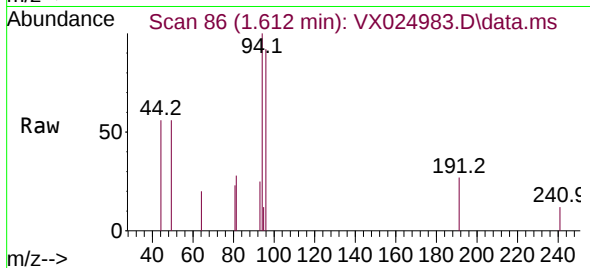




#6
Bromomethane
Concen: 1.291 ug/L
RT: 1.612 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

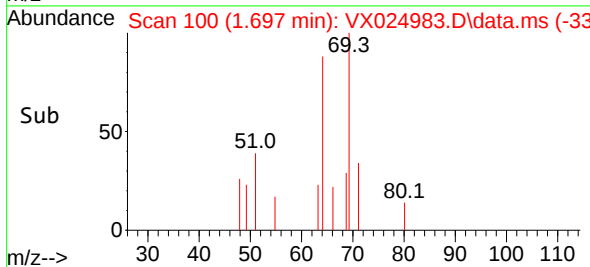
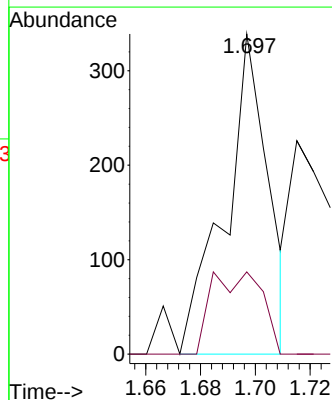
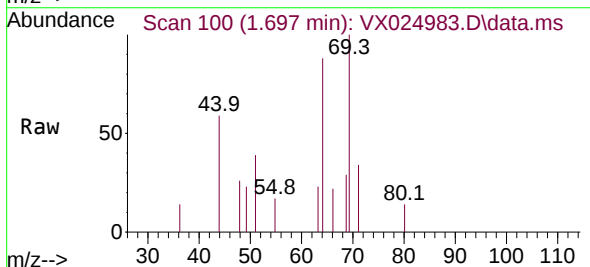
Instrument :
MSVOA_X
ClientSampleId :

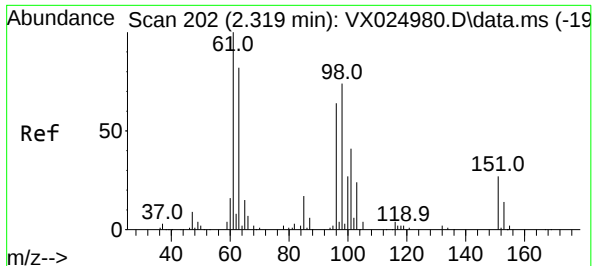
Tgt Ion: 94 Resp: 595
Ion Ratio Lower Upper
94 100
96 91.9 62.9 116.9



#8
Chloroethane
Concen: 1.165 ug/L
RT: 1.697 min Scan# 100
Delta R.T. 0.006 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Tgt Ion: 64 Resp: 371
Ion Ratio Lower Upper
64 100
66 25.7 23.3 43.3





#12

1,1-Dichloroethene

Concen: 1.467 ug/L

RT: 2.313 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX024983.D

Acq: 27 Oct 2021 20:36

Tgt Ion: 96 Resp: 1320

Ion Ratio Lower Upper

96 100

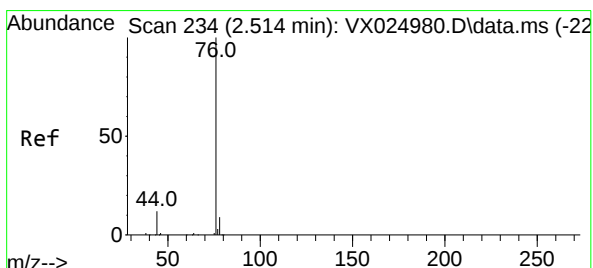
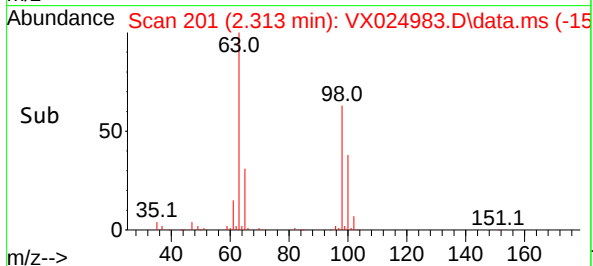
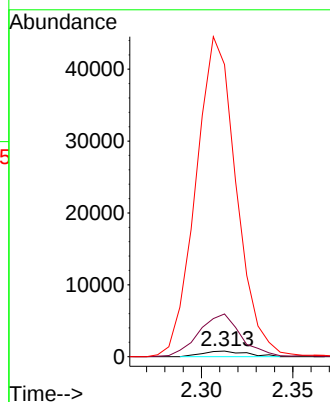
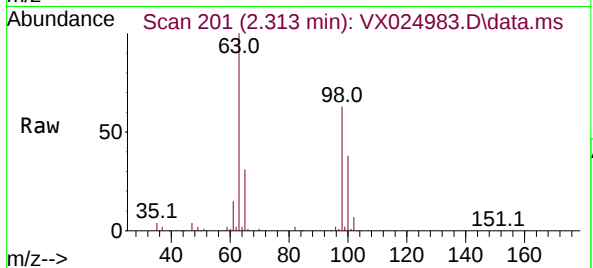
61 771.5 109.9 204.1#

63 5273.2 92.4 171.6#

Instrument :

MSVOA_X

ClientSampled :



#14

Carbon disulfide

Concen: 2.624 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX024983.D

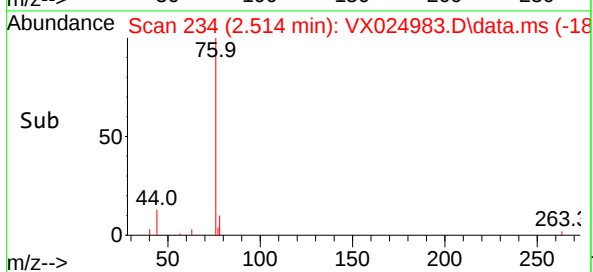
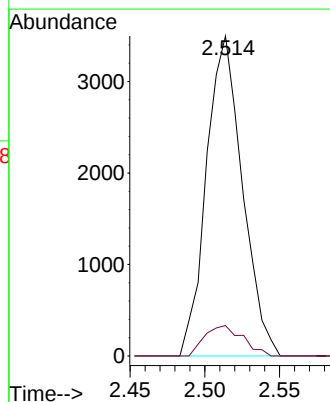
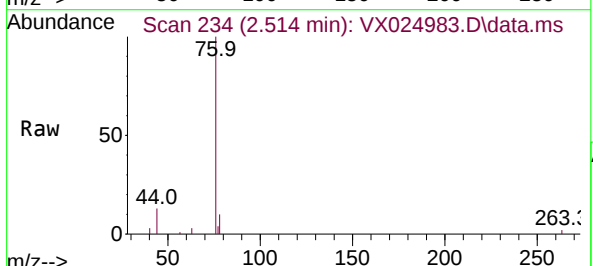
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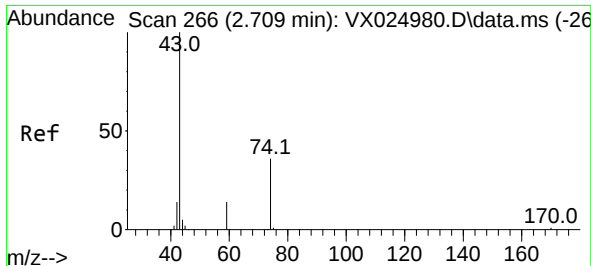
Tgt Ion: 76 Resp: 5855

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8





#15

Methyl Acetate

Concen: 0.793 ug/L

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX024983.D

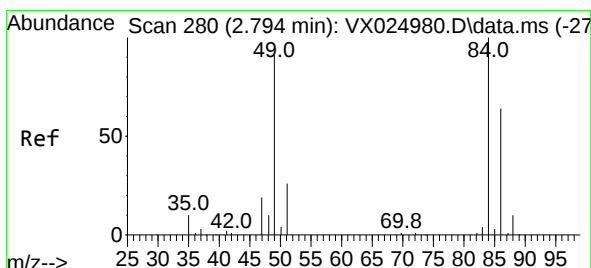
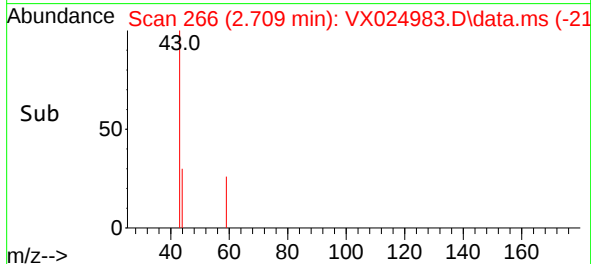
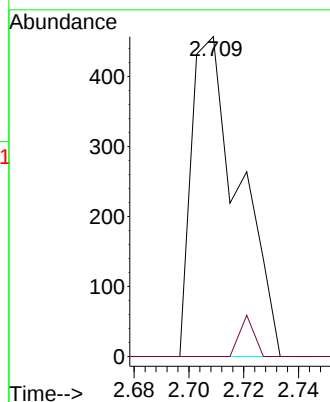
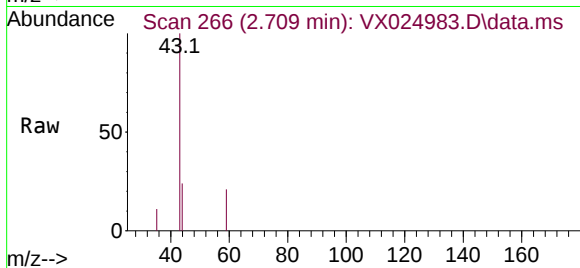
Acq: 27 Oct 2021 20:36

Tgt Ion: 43 Resp: 553

Ion Ratio Lower Upper

43 100

74 0.0 28.6 42.8#



#16

Methylene chloride

Concen: 1.084 ug/L

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX024983.D

Acq: 27 Oct 2021 20:36

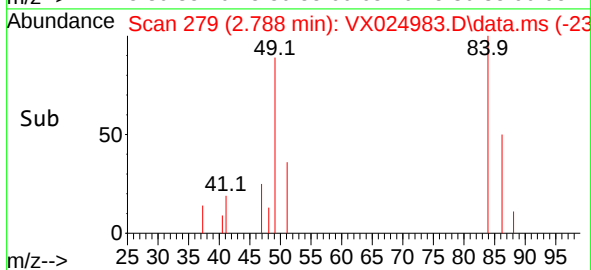
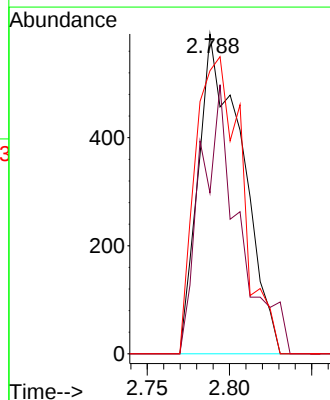
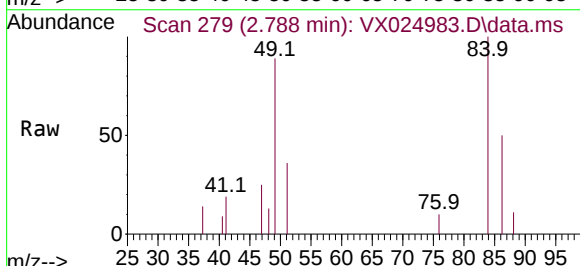
Tgt Ion: 84 Resp: 1092

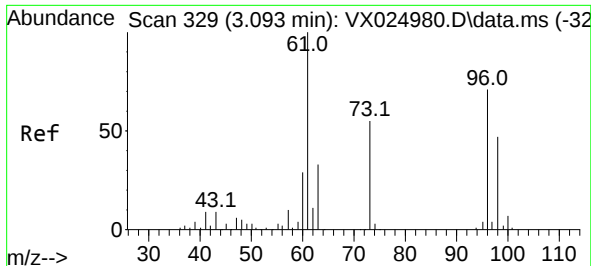
Ion Ratio Lower Upper

84 100

86 50.3 44.4 82.5

49 88.5 64.0 118.8

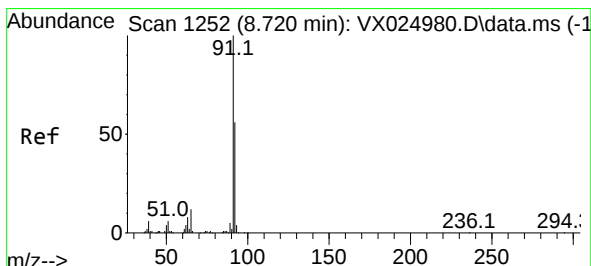
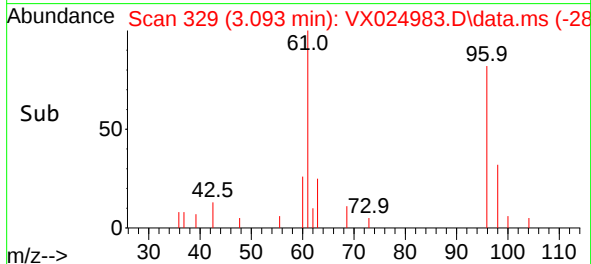
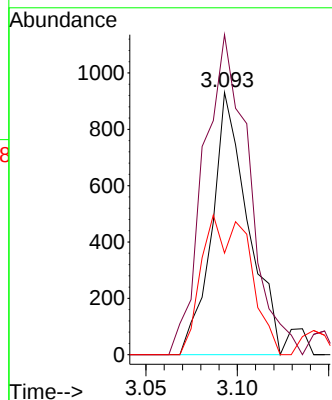
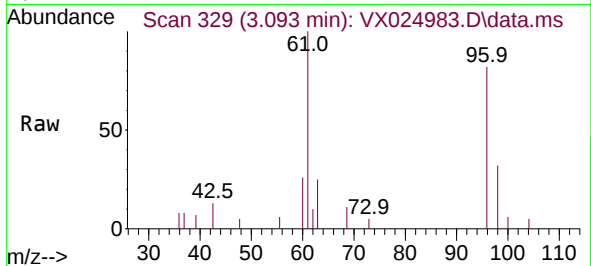




#17
trans-1,2-Dichloroethene
Concen: 1.332 ug/L
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

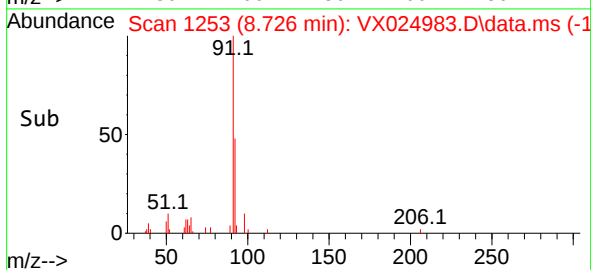
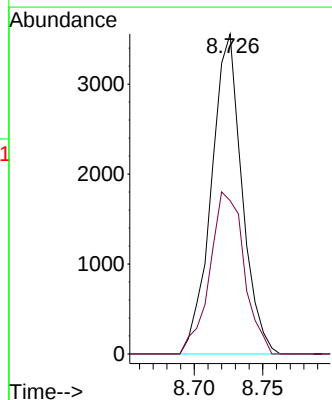
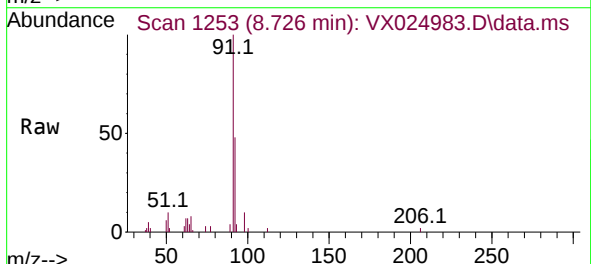
Instrument :
MSVOA_X
ClientSampled :

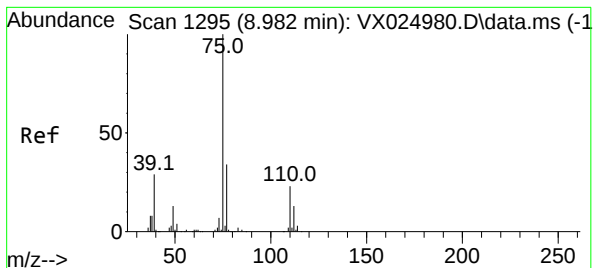
Tgt Ion: 96 Resp: 1275
Ion Ratio Lower Upper
96 100
61 122.0 99.4 184.6
98 38.8 47.0 87.2#



#42
Toluene
Concen: 1.270 ug/L
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Tgt Ion: 91 Resp: 5523
Ion Ratio Lower Upper
91 100
92 47.9 39.3 72.9



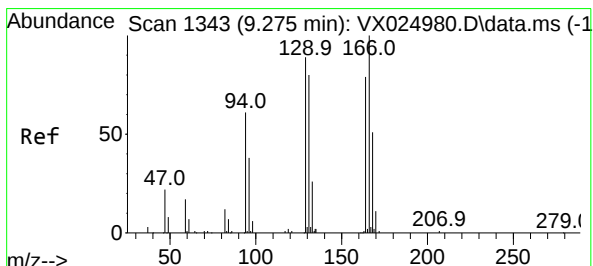
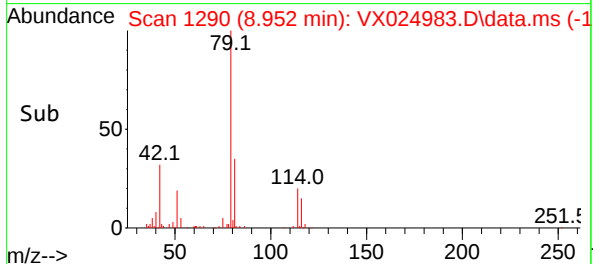
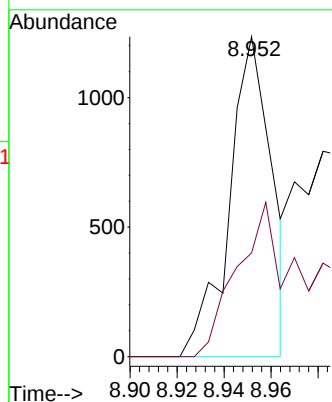
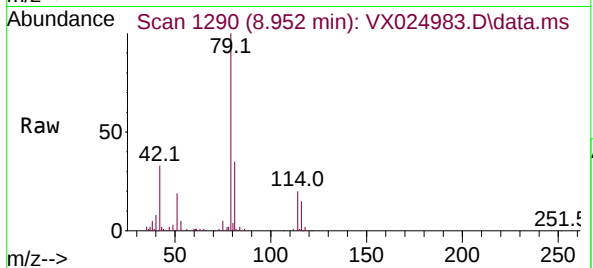


#44

trans-1,3-Dichloropropene
Concen: 0.880 ug/L
RT: 8.952 min Scan# 1290
Delta R.T. -0.031 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Instrument :
MSVOA_X
ClientSampled :

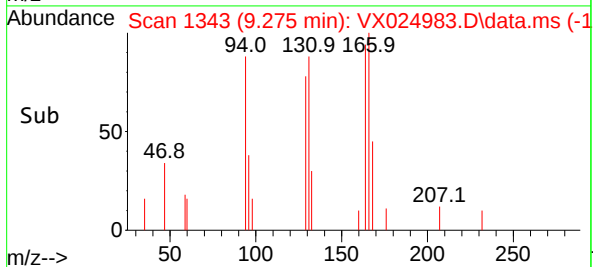
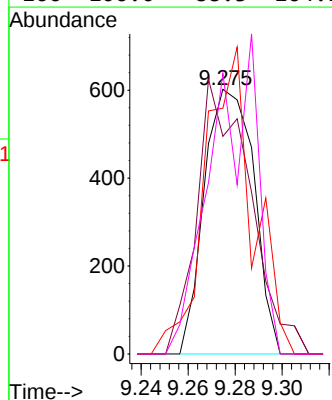
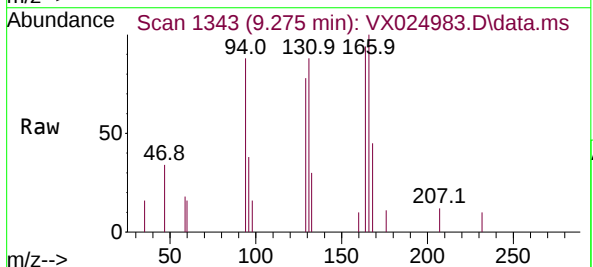
Tgt Ion: 75 Resp: 1552
Ion Ratio Lower Upper
75 100
77 32.4 23.4 43.6

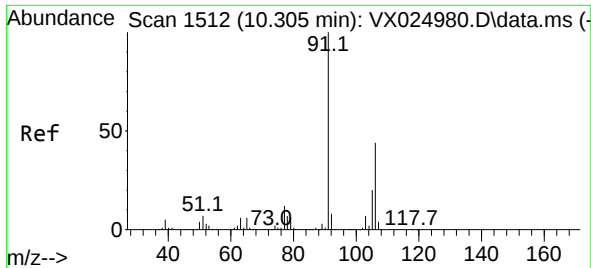


#46

Tetrachloroethene
Concen: 1.023 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Tgt Ion:164 Resp: 882
Ion Ratio Lower Upper
164 100
129 82.2 78.5 145.7
131 92.9 70.5 130.9
166 106.0 88.3 164.1

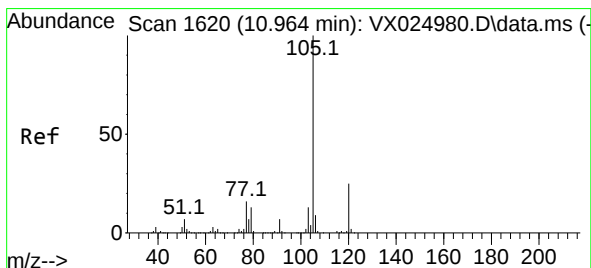
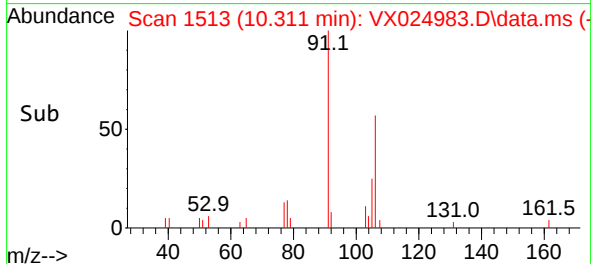
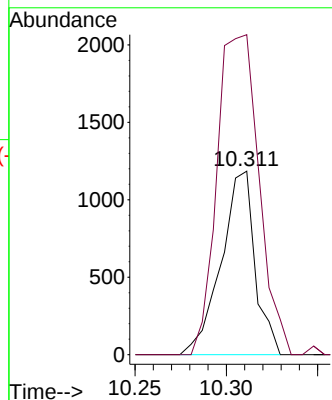
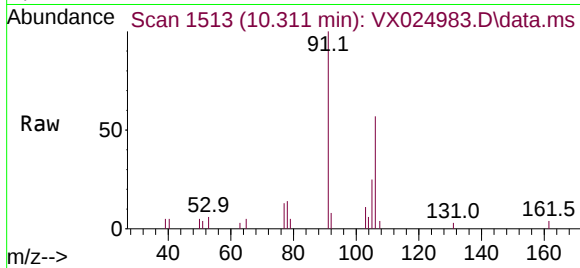




#53
m,p-Xylene
Concen: 0.839 ug/L
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

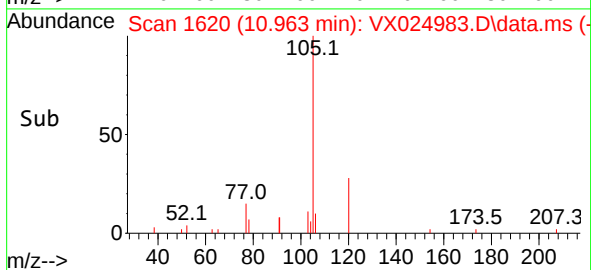
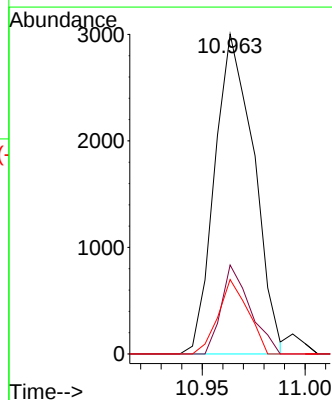
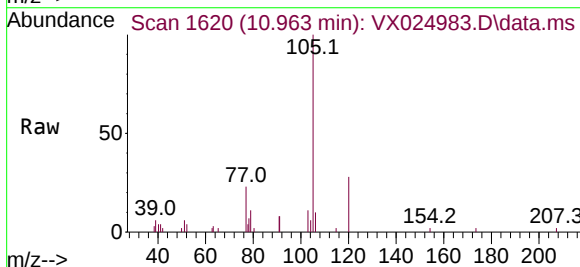
Instrument :
MSVOA_X
ClientSampled :

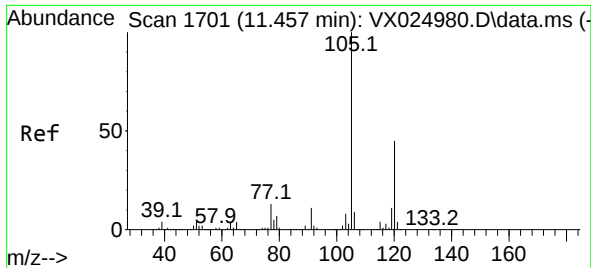
Tgt Ion:106 Resp: 1525
Ion Ratio Lower Upper
106 100
91 174.3 160.2 297.6



#60
Isopropylbenzene
Concen: 0.821 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Tgt Ion:105 Resp: 3973
Ion Ratio Lower Upper
105 100
120 20.4 19.8 29.6
77 17.6 13.2 19.8

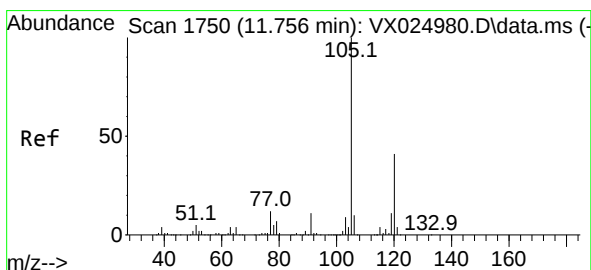
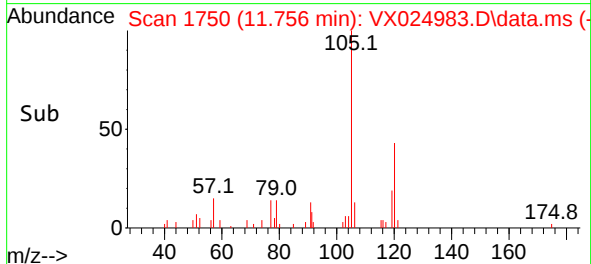
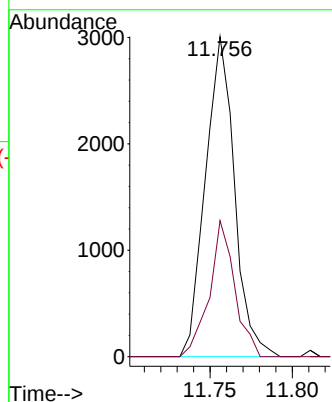
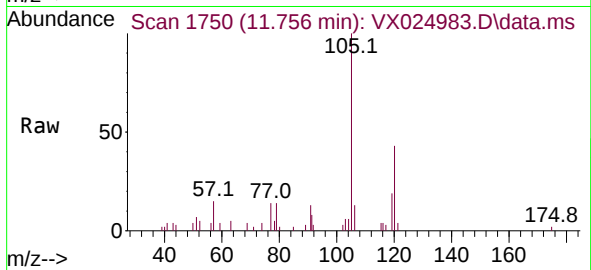




#62
1,3,5-Trimethylbenzene
Concen: 0.872 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.299 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

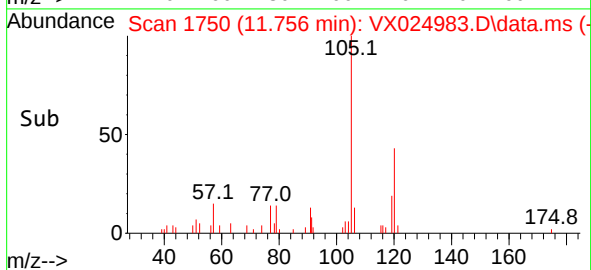
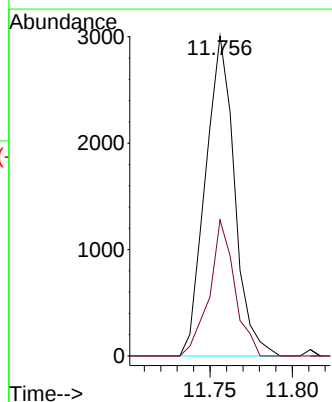
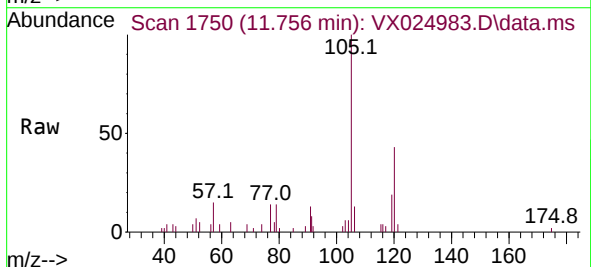
Instrument :
MSVOA_X
ClientSampled :

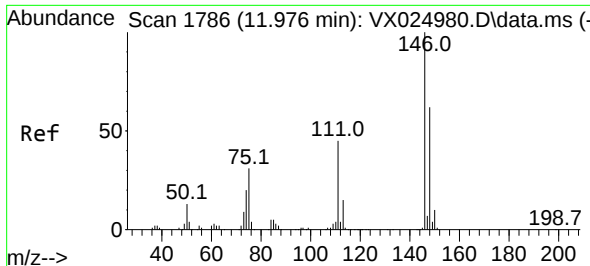
Tgt Ion:105 Resp: 3692
Ion Ratio Lower Upper
105 100
120 37.0 34.4 51.6



#63
1,2,4-Trimethylbenzene
Concen: 0.872 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Tgt Ion:105 Resp: 3692
Ion Ratio Lower Upper
105 100
120 37.0 31.0 46.6

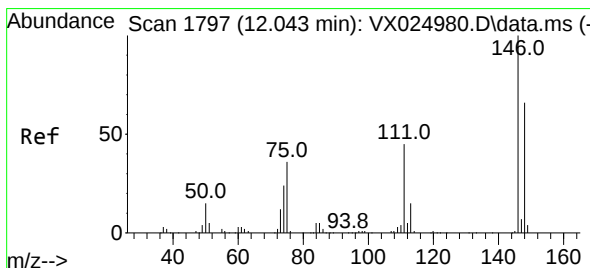
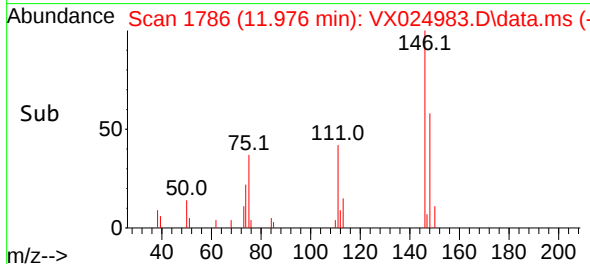
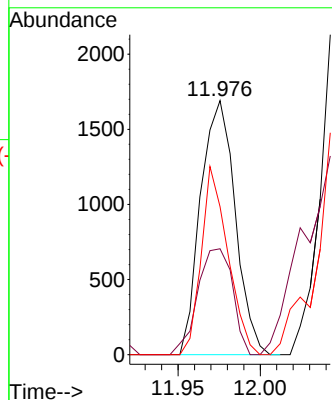
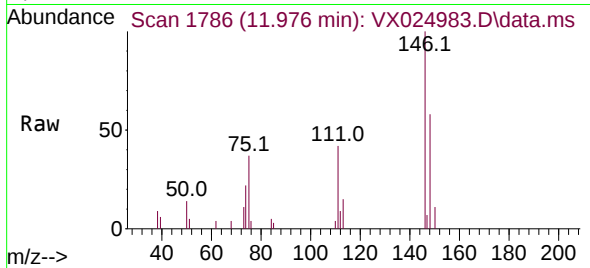




#64
1,3-Dichlorobenzene
Concen: 1.225 ug/L
RT: 11.976 min Scan# 1786
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

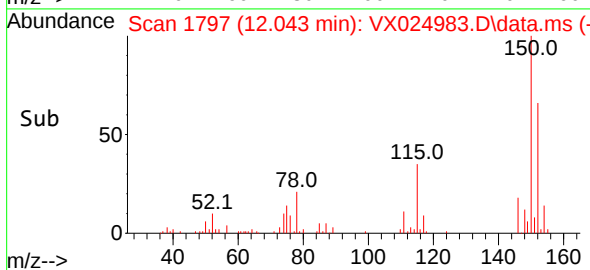
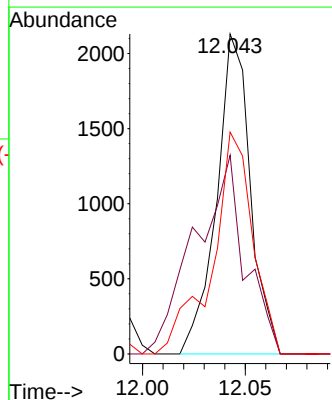
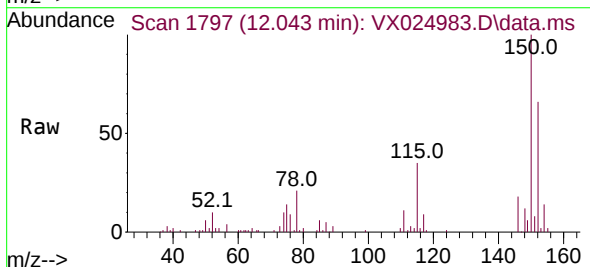
Instrument :
MSVOA_X
ClientSampled :

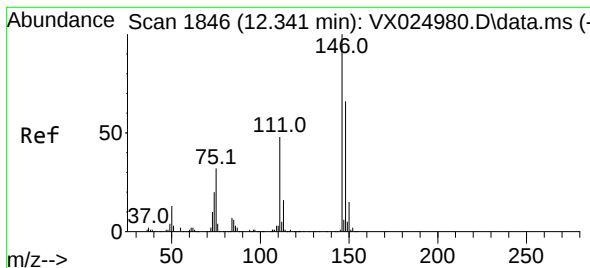
Tgt Ion:146 Resp: 2474
Ion Ratio Lower Upper
146 100
111 41.7 31.1 57.9
148 58.2 43.2 80.2



#65
1,4-Dichlorobenzene
Concen: 1.202 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Tgt Ion:146 Resp: 2428
Ion Ratio Lower Upper
146 100
111 62.1 31.8 59.0#
148 69.3 46.1 85.5

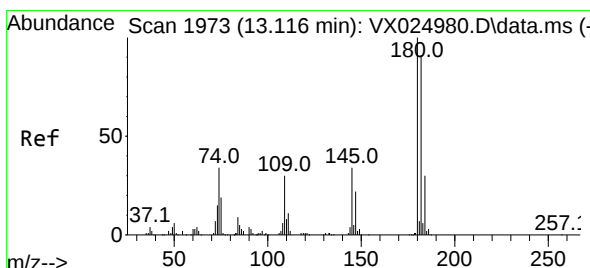
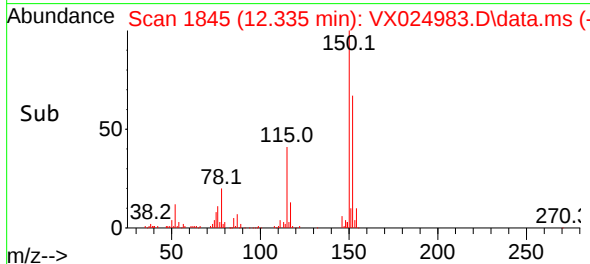
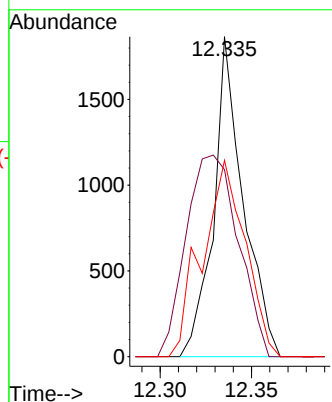
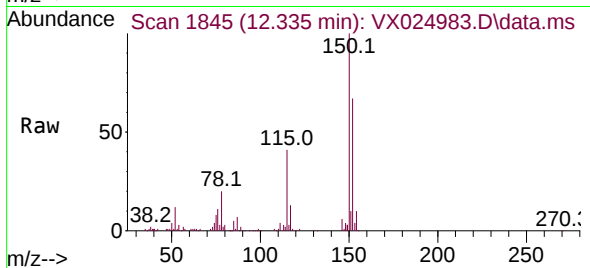




#67
1,2-Dichlorobenzene
Concen: 1.044 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

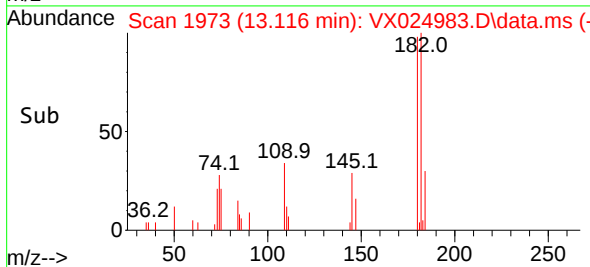
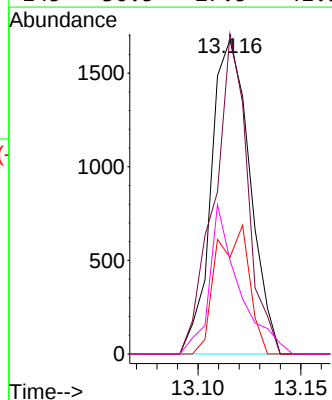
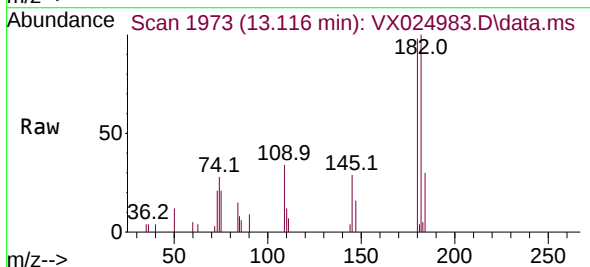
Instrument :
MSVOA_X
ClientSampled :

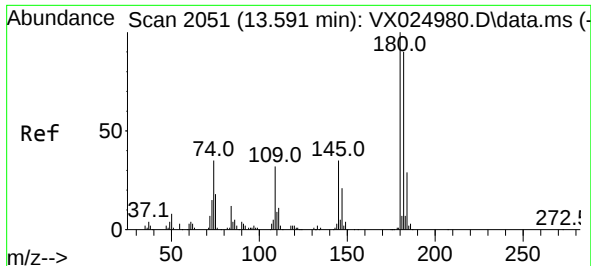
Tgt Ion:146 Resp: 2099
Ion Ratio Lower Upper
146 100
111 58.5 38.5 57.7#
148 61.4 53.2 79.8



#69
1,3,5-Trichlorobenzene
Concen: 1.562 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Tgt Ion:180 Resp: 2195
Ion Ratio Lower Upper
180 100
182 88.0 74.2 111.4
184 34.8 23.7 35.5
145 36.5 27.5 41.3

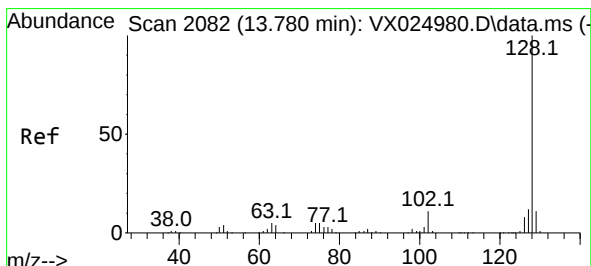
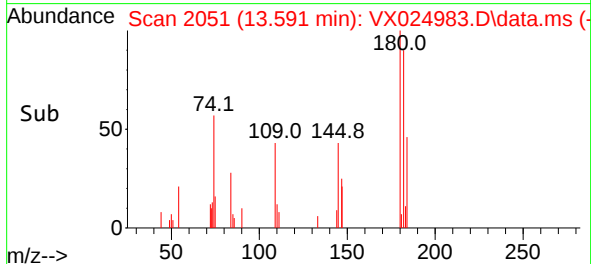
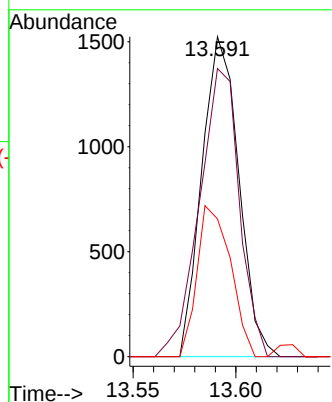
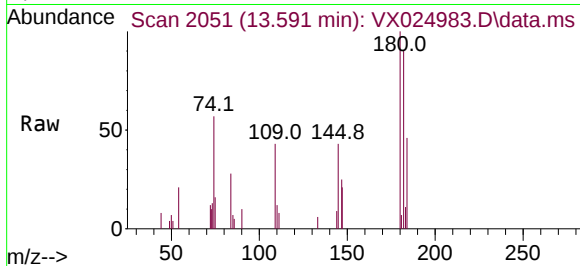




#70
1,2,4-trichlorobenzene
Concen: 1.596 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

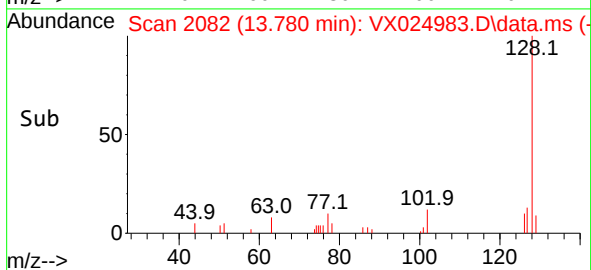
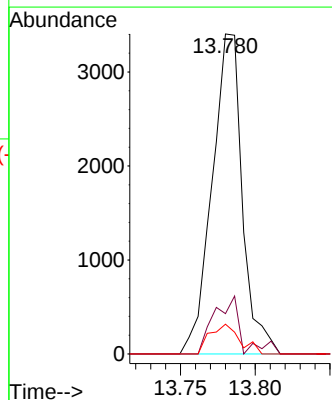
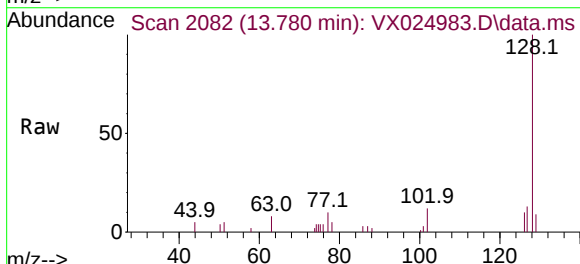
Instrument :
MSVOA_X
ClientSampleId :

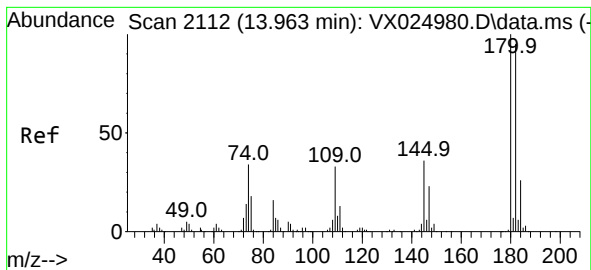
Tgt Ion:180 Resp: 1903
Ion Ratio Lower Upper
180 100
182 97.0 76.4 114.6
145 42.7 28.8 43.2



#71
Naphthalene
Concen: 1.168 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024983.D
Acq: 27 Oct 2021 20:36

Tgt Ion:128 Resp: 4798
Ion Ratio Lower Upper
128 100
127 13.9 10.6 15.8
129 9.1 9.1 13.7





#72
 1,2,3-Trichlorobenzene
 Concen: 1.568 ug/L
 RT: 13.969 min Scan# 2113
 Delta R.T. 0.006 min
 Lab File: VX024983.D
 Acq: 27 Oct 2021 20:36

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:180 Resp: 1928
 Ion Ratio Lower Upper
 180 100
 182 100.0 73.3 109.9
 145 33.5 29.0 43.4

