

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072922\
 Data File : VW027110.D
 Acq On : 30 Jul 2022 02:19
 Operator : SY/MD
 Sample : N3956-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXF06

Quant Time: Jul 30 04:30:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 30 01:28:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	667183	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	663016	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	356448	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	203507	32.062	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	64.120%
7) Chloroethane-d5	1.561	69	171647	34.131	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.260%#
11) 1,1-Dichloroethene-d2	2.101	63	293832	27.191	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.380%#
21) 2-Butanone-d5	3.883	46	287798	79.517	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.520%
24) Chloroform-d	4.339	84	437315	38.254	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.500%
26) 1,2-Dichloroethane-d4	5.027	65	268072	41.308	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.620%
32) Benzene-d6	5.047	84	957070	41.106	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.220%
36) 1,2-Dichloropropane-d6	6.066	67	295519	41.470	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.940%
41) Toluene-d8	7.313	98	870442	41.362	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.720%
43) trans-1,3-Dichloroprop...	7.619	79	124326	39.495	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.980%
47) 2-Hexanone-d5	8.088	63	317738	103.719	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.720%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	418410	38.942	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	77.880%
66) 1,2-Dichlorobenzene-d4	11.622	152	334642	41.763	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.520%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	16787	2.500	ug/L #	49
13) Acetone	2.172	43	853094	318.234	ug/L	70
14) Carbon disulfide	2.291	76	17314	1.123	ug/L	100
15) Methyl Acetate	2.426	43	203585	45.699	ug/L #	88
19) 1,1-Dichloroethane	3.182	63	50635	5.450	ug/L	98
22) 2-Butanone	3.970	43	227531	76.936	ug/L	87
27) 1,2-Dichloroethane	5.095	62	254592	37.770	ug/L #	70
29) Cyclohexane	4.670	56	48085	6.750	ug/L	96
30) 1,1,1-Trichloroethane	4.603	97	10314	1.212	ug/L #	63
35) Methylcyclohexane	6.127	83	93512	11.398	ug/L #	87
39) cis-1,3-Dichloropropene	6.986	75	7713	1.005	ug/L #	66
40) 4-Methyl-2-pentanone	7.230	43	86274	12.755	ug/L	93
42) Toluene	7.384	91	5612433	254.763	ug/L	98
45) 1,1,2-Trichloroethane	7.783	97	224273	39.172	ug/L #	1
48) 2-Hexanone	8.140	43	108374	20.332	ug/L	96
52) Ethylbenzene	9.011	91	312759	14.021	ug/L	99
53) m,p-Xylene	9.137	106	182146	20.760	ug/L	100
54) o-Xylene	9.542	106	118441	14.018	ug/L	98
60) Isopropylbenzene	9.931	105	43190	1.942	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
 Data File : VV027110.D
 Acq On : 30 Jul 2022 02:19
 Operator : SY/MD
 Sample : N3956-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXF06

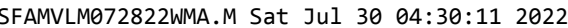
Quant Time: Jul 30 04:30:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 30 01:28:32 2022
 Response via : Initial Calibration

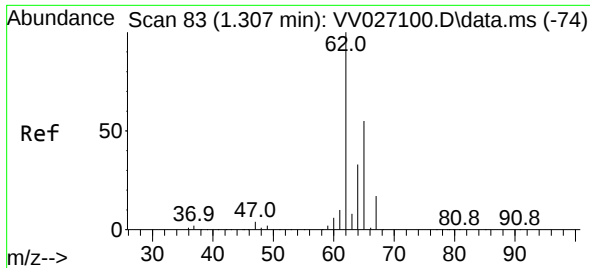
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

62) 1,3,5-Trimethylbenzene	10.538	105	21019	2.208	ug/L	91
63) 1,2,4-Trimethylbenzene	10.915	105	117240	15.431	ug/L	98
64) 1,3-Dichlorobenzene	11.181	146	16872	1.562	ug/L	96
65) 1,4-Dichlorobenzene	11.272	146	95229	8.369	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	146282	12.972	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.394	75	14010	7.148	ug/L #	4
70) 1,2,4-trichlorobenzene	13.262	180	12939	2.064	ug/L	97
71) Naphthalene	13.503	128	141726	6.498	ug/L	99

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

Quant Time: Jul 30 04:30:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 30 01:28:32 2022
Response via : Initial Calibration

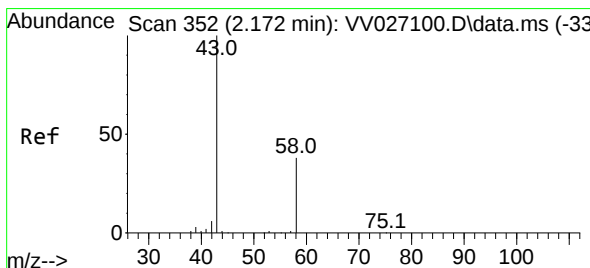
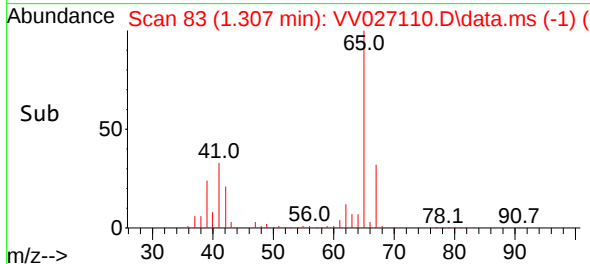
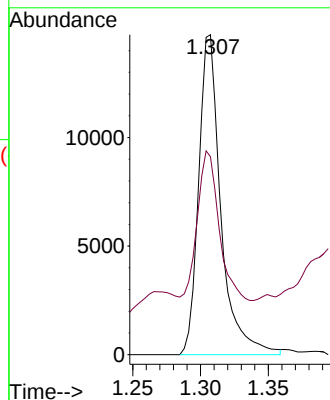
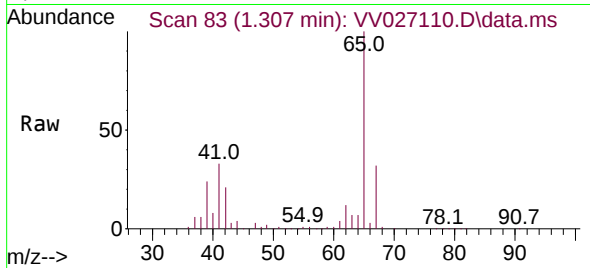




#5
 Vinyl chloride
 Concen: 2.500 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV027110.D
 Acq: 30 Jul 2022 02:19

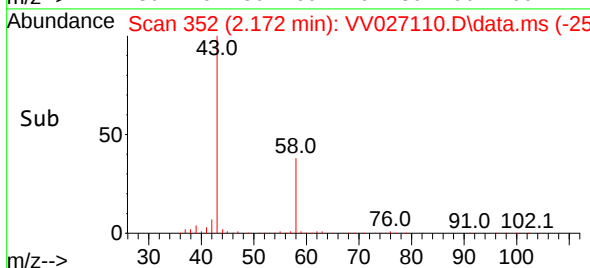
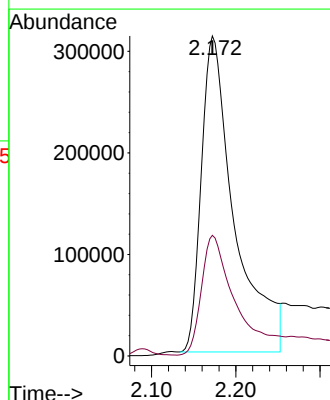
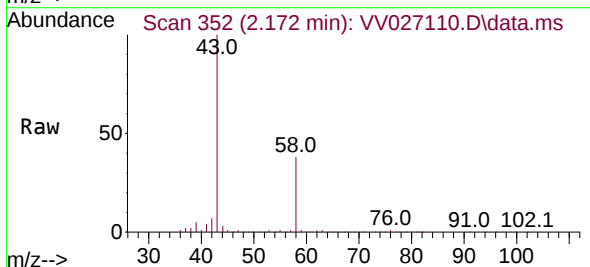
Instrument :
 MSVOA_V
 ClientSampleId :
 EXF06

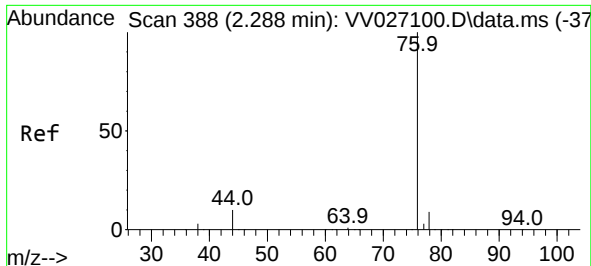
Tgt Ion: 62 Resp: 16787
 Ion Ratio Lower Upper
 62 100
 64 61.8 23.2 43.2#



#13
 Acetone
 Concen: 318.234 ug/L
 RT: 2.172 min Scan# 352
 Delta R.T. 0.000 min
 Lab File: VV027110.D
 Acq: 30 Jul 2022 02:19

Tgt Ion: 43 Resp: 853094
 Ion Ratio Lower Upper
 43 100
 58 39.9 0.0 49.6

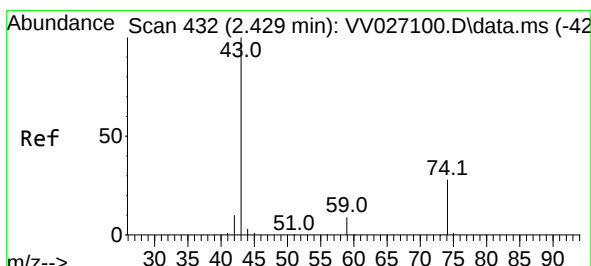
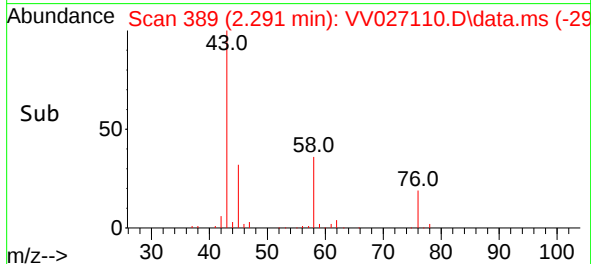
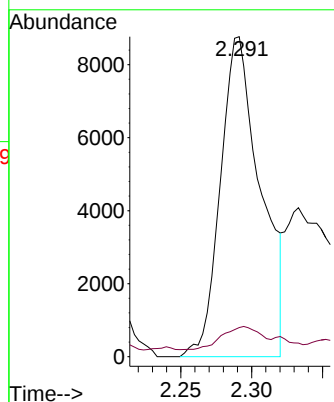
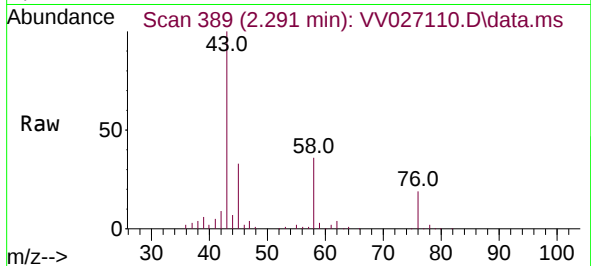




#14
Carbon disulfide
Concen: 1.123 ug/L
RT: 2.291 min Scan# 389
Delta R.T. 0.003 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

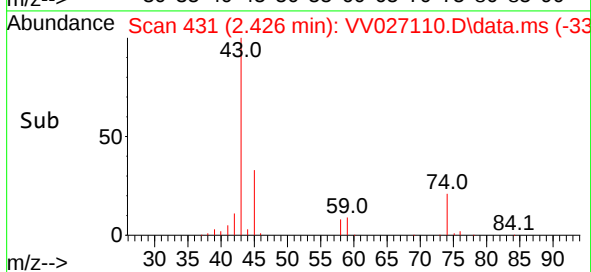
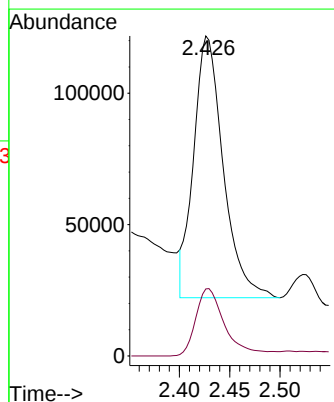
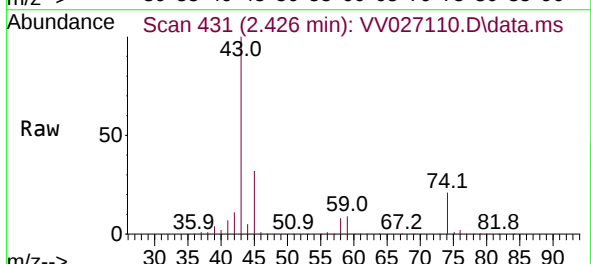
Instrument :
MSVOA_V
ClientSampleId :
EXF06

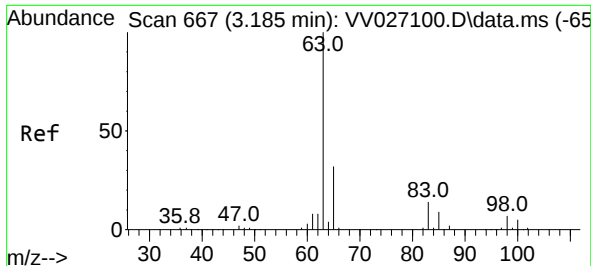
Tgt Ion: 76 Resp: 17314
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#15
Methyl Acetate
Concen: 45.699 ug/L
RT: 2.426 min Scan# 431
Delta R.T. -0.003 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Tgt Ion: 43 Resp: 203585
Ion Ratio Lower Upper
43 100
74 25.3 25.5 38.3#





#19

1,1-Dichloroethane

Concen: 5.450 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

Instrument :

MSVOA_V

ClientSampleId :

EXF06

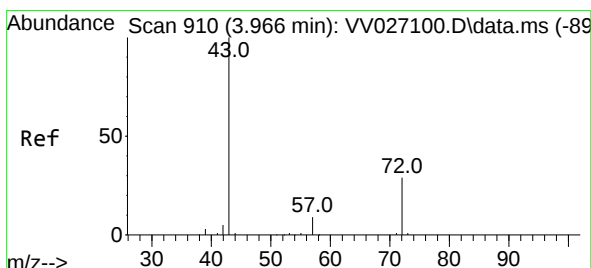
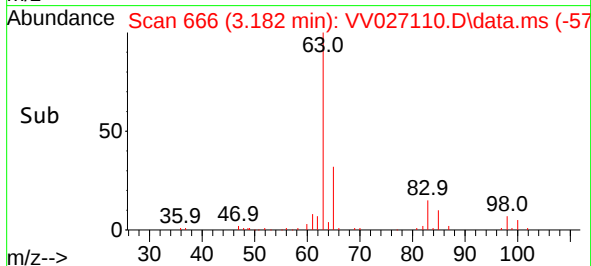
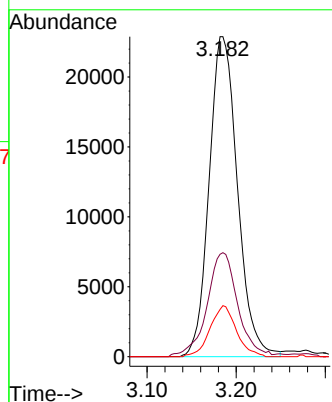
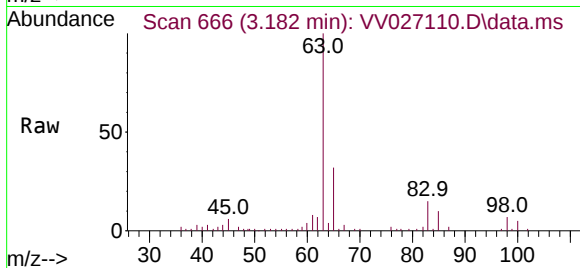
Tgt Ion: 63 Resp: 50635

Ion Ratio Lower Upper

63 100

65 32.0 22.7 42.3

83 14.8 9.5 17.7



#22

2-Butanone

Concen: 76.936 ug/L

RT: 3.970 min Scan# 911

Delta R.T. 0.003 min

Lab File: VV027110.D

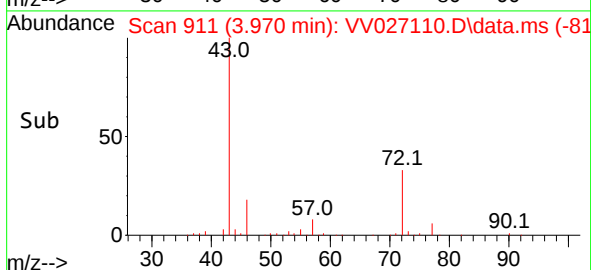
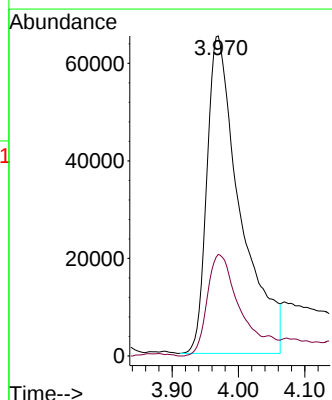
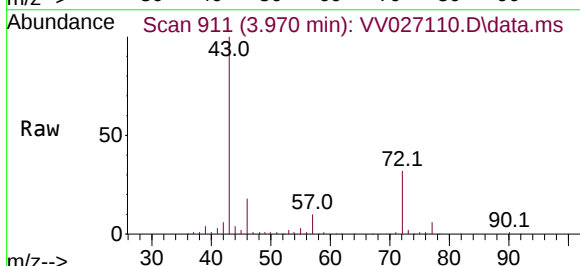
Acq: 30 Jul 2022 02:19

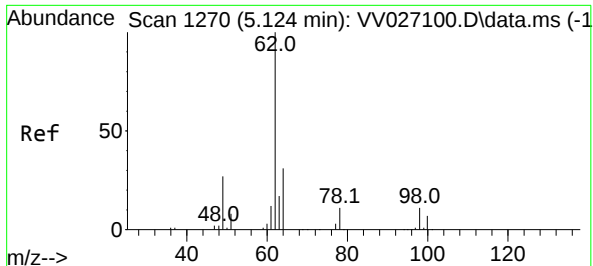
Tgt Ion: 43 Resp: 227531

Ion Ratio Lower Upper

43 100

72 30.2 11.9 35.7





#27

1,2-Dichloroethane

Concen: 37.770 ug/L

RT: 5.095 min Scan# 1129

Delta R.T. -0.029 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

Instrument :

MSVOA_V

ClientSampleId :

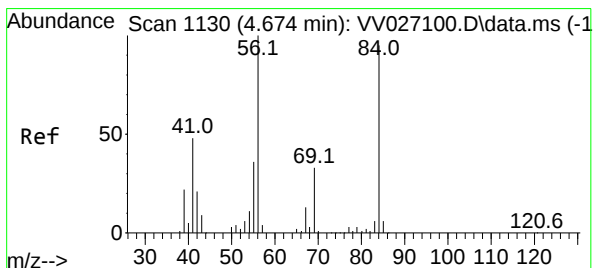
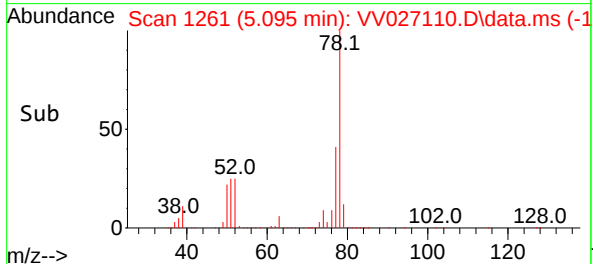
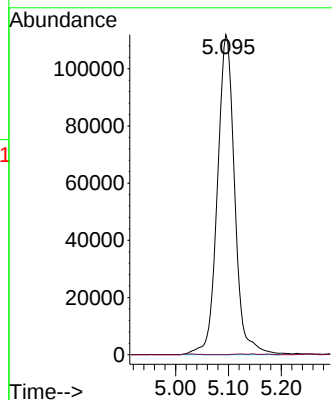
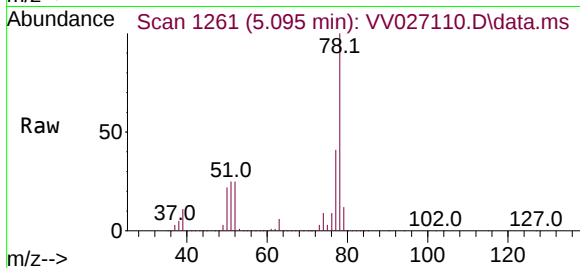
EXF06

Tgt Ion: 62 Resp: 254592

Ion Ratio Lower Upper

62 100

98 0.0 9.0 13.6#



#29

Cyclohexane

Concen: 6.750 ug/L

RT: 4.670 min Scan# 1129

Delta R.T. -0.003 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

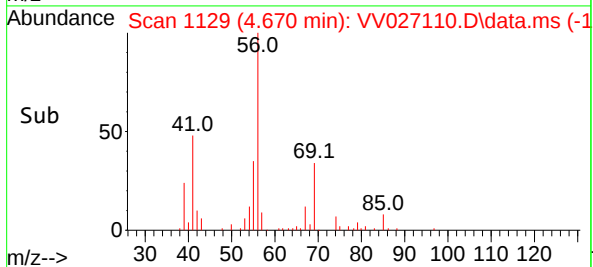
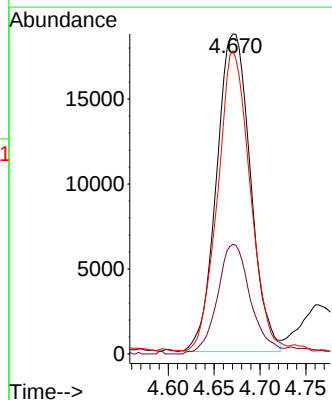
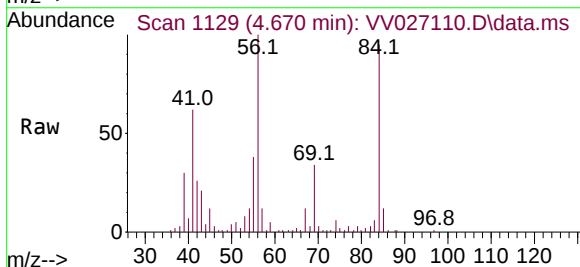
Tgt Ion: 56 Resp: 48085

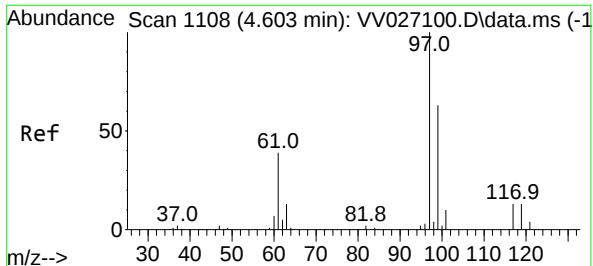
Ion Ratio Lower Upper

56 100

69 33.7 25.9 38.9

84 90.2 75.3 112.9





#30

1,1,1-Trichloroethane

Concen: 1.212 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

Instrument :

MSVOA_V

ClientSampleId :

EXF06

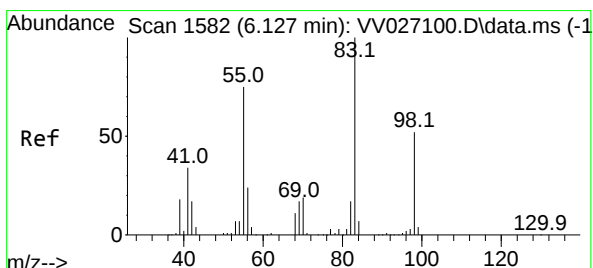
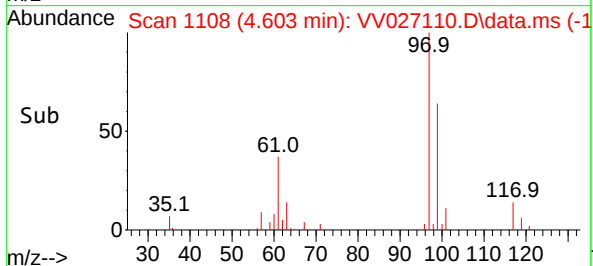
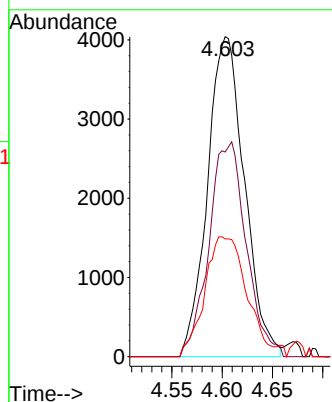
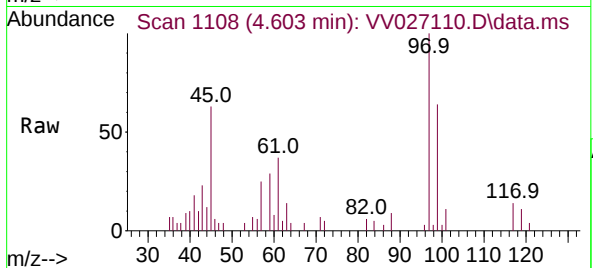
Tgt Ion: 97 Resp: 10314

Ion Ratio Lower Upper

97 100

99 32.2 51.4 77.2#

61 21.7 32.1 48.1#



#35

Methylcyclohexane

Concen: 11.398 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.000 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

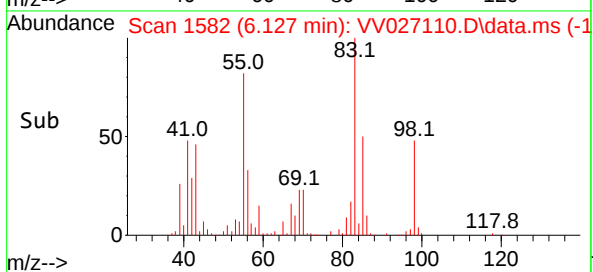
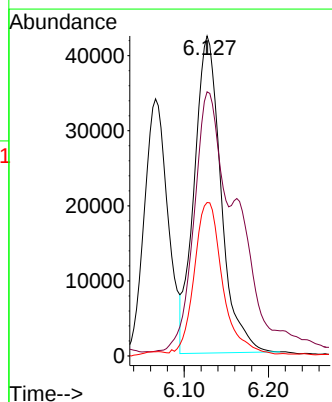
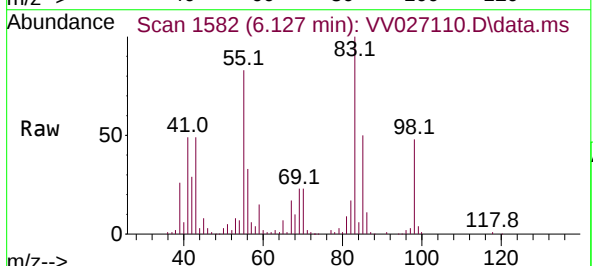
Tgt Ion: 83 Resp: 93512

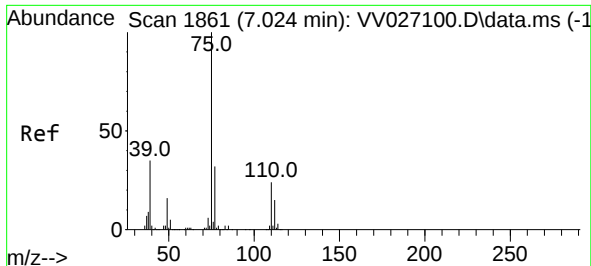
Ion Ratio Lower Upper

83 100

55 86.3 55.5 83.3#

98 50.0 39.0 58.4





#39

cis-1,3-Dichloropropene

Concen: 1.005 ug/L

RT: 6.986 min Scan# 1849

Delta R.T. -0.039 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

Instrument :

MSVOA_V

ClientSampleId :

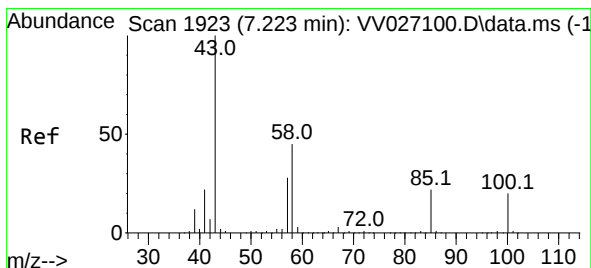
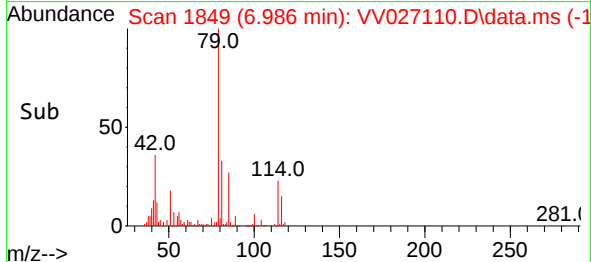
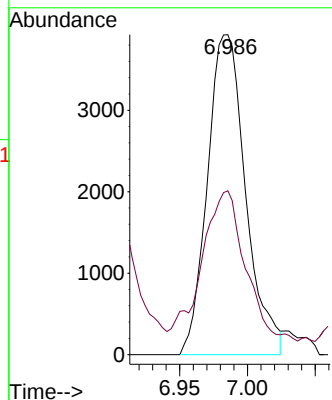
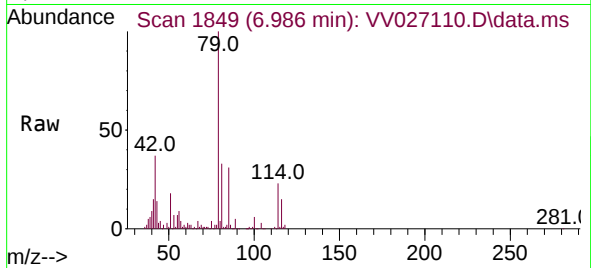
EXF06

Tgt Ion: 75 Resp: 7713

Ion Ratio Lower Upper

75 100

77 51.2 22.5 41.7#



#40

4-Methyl-2-pentanone

Concen: 12.755 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.006 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

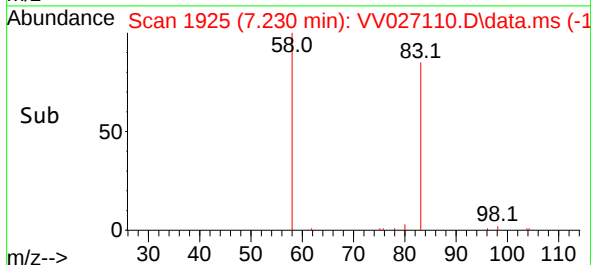
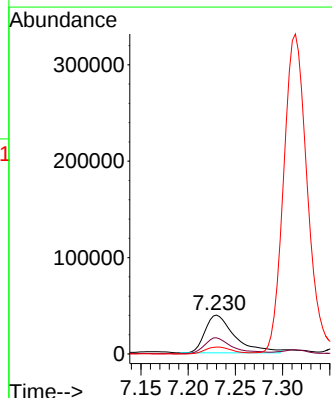
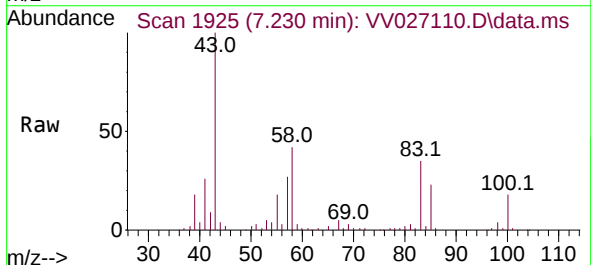
Tgt Ion: 43 Resp: 86274

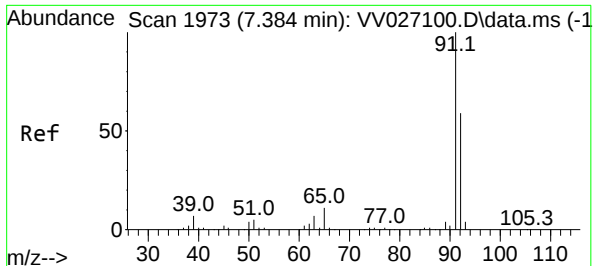
Ion Ratio Lower Upper

43 100

58 39.0 35.3 52.9

100 16.7 15.7 23.5

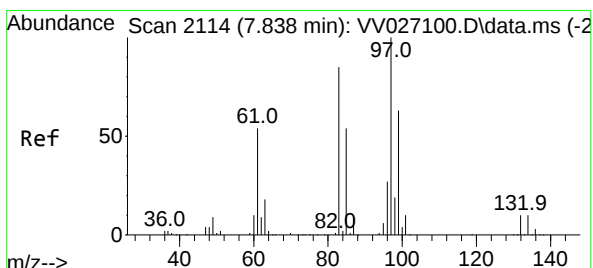
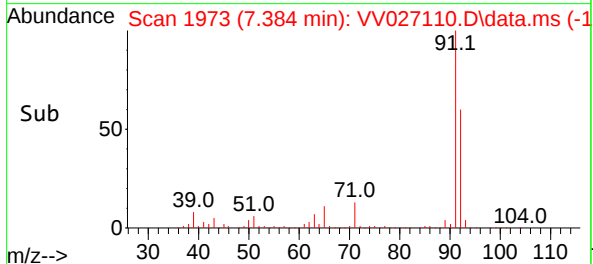
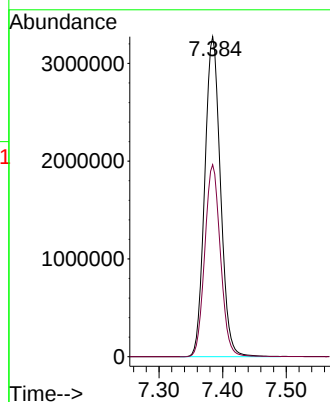
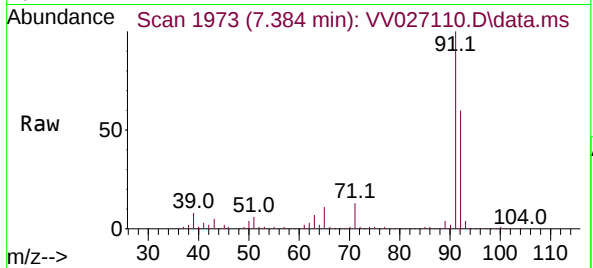




#42
Toluene
Concen: 254.763 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

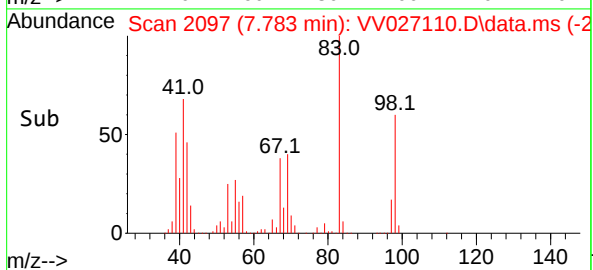
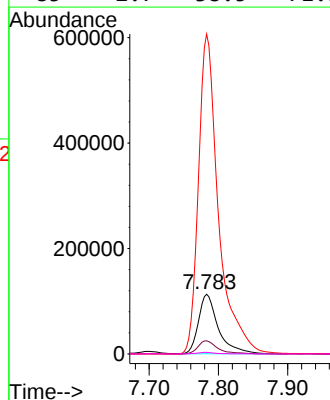
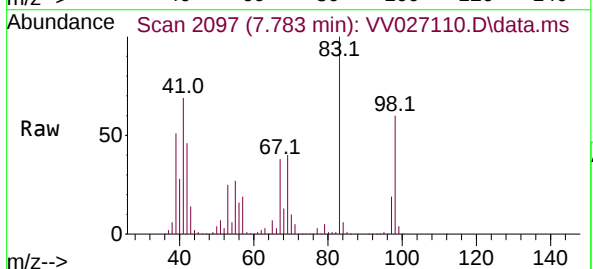
Instrument :
MSVOA_V
ClientSampleId :
EXF06

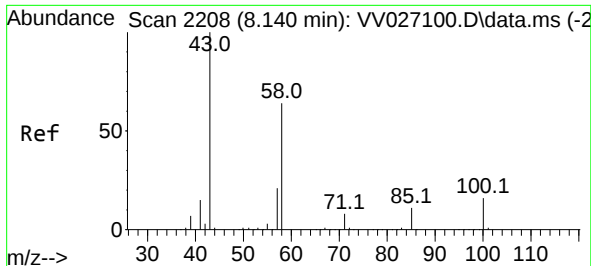
Tgt Ion: 91 Resp: 5612433
Ion Ratio Lower Upper
91 100
92 60.0 40.9 76.0



#45
1,1,2-Trichloroethane
Concen: 39.172 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. -0.055 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Tgt Ion: 97 Resp: 224273
Ion Ratio Lower Upper
97 100
99 21.9 43.2 80.2#
83 535.9 58.0 107.6#
85 2.7 38.5 71.5#



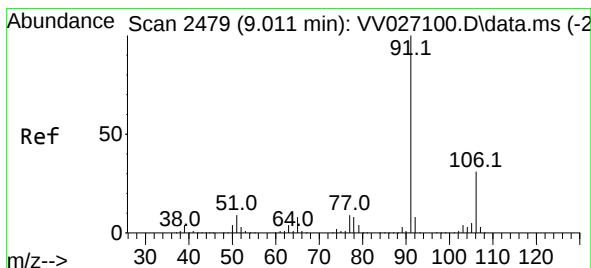
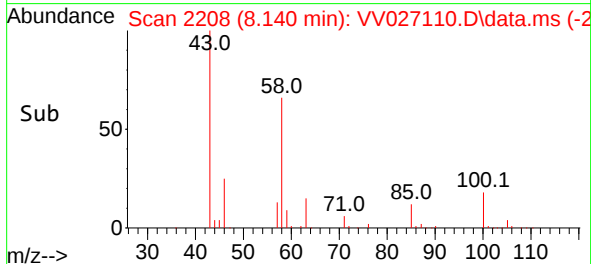
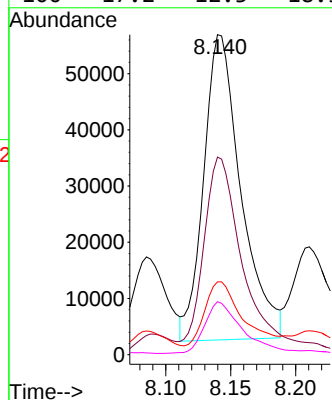
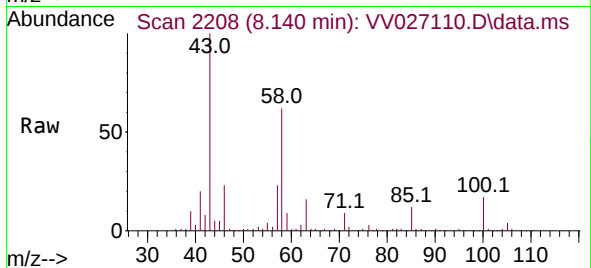


#48
2-Hexanone
Concen: 20.332 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Instrument :
MSVOA_V
ClientSampleId :
EXF06

Tgt Ion: 43 Resp: 108374

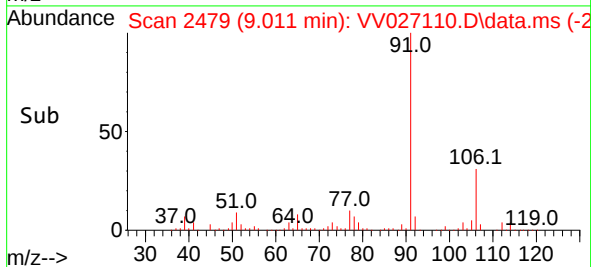
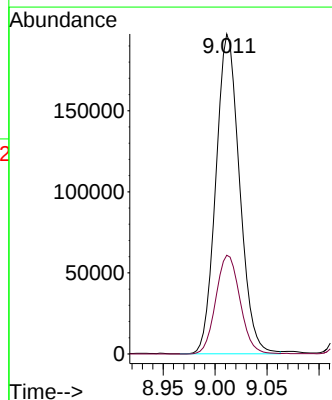
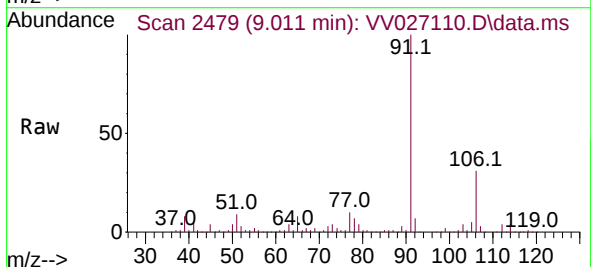
Ion	Ratio	Lower	Upper
43	100		
58	67.5	50.8	76.2
57	21.4	17.1	25.7
100	17.2	12.3	18.5

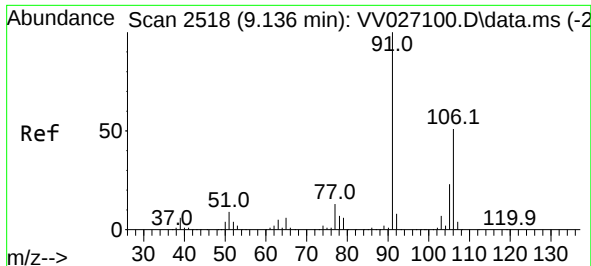


#52
Ethylbenzene
Concen: 14.021 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Tgt Ion: 91 Resp: 312759

Ion	Ratio	Lower	Upper
91	100		
106	30.9	21.8	40.6

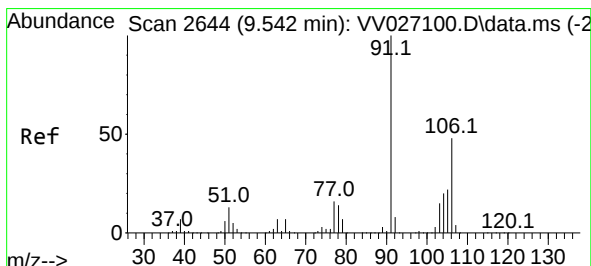
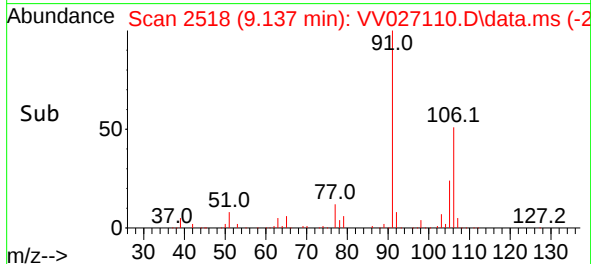
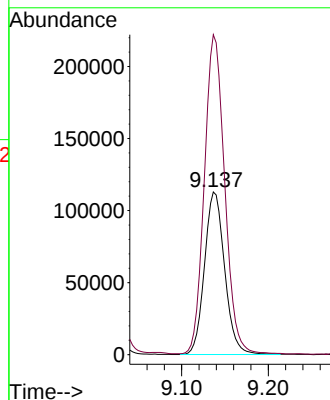
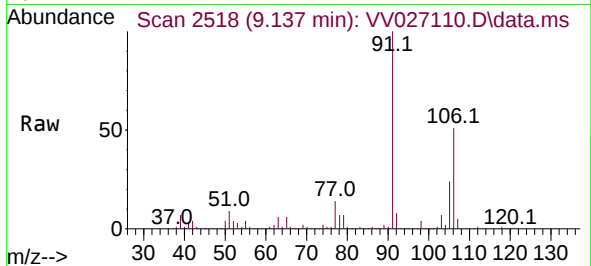




#53
m,p-Xylene
Concen: 20.760 ug/L
RT: 9.137 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

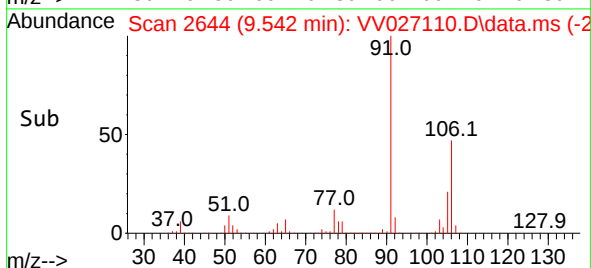
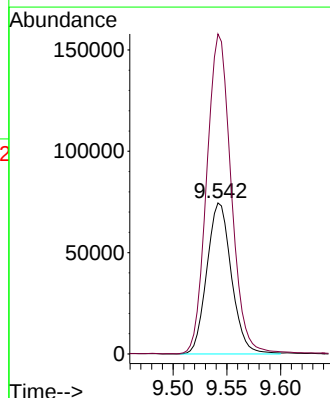
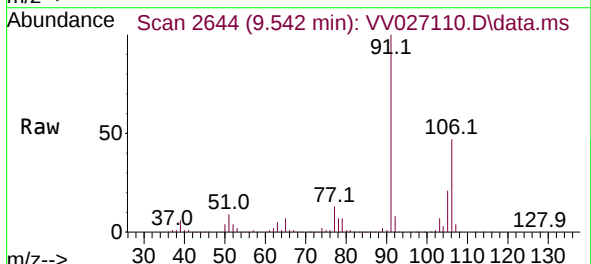
Instrument :
MSVOA_V
ClientSampleId :
EXF06

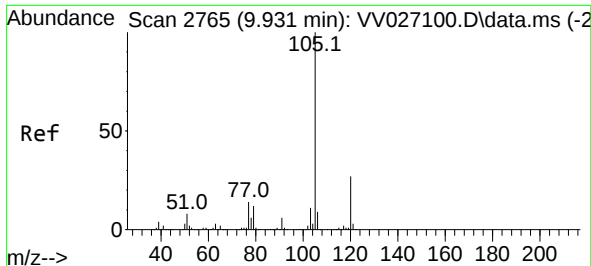
Tgt Ion:106 Resp: 182146
Ion Ratio Lower Upper
106 100
91 196.6 137.5 255.3



#54
o-Xylene
Concen: 14.018 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Tgt Ion:106 Resp: 118441
Ion Ratio Lower Upper
106 100
91 211.9 146.6 272.2

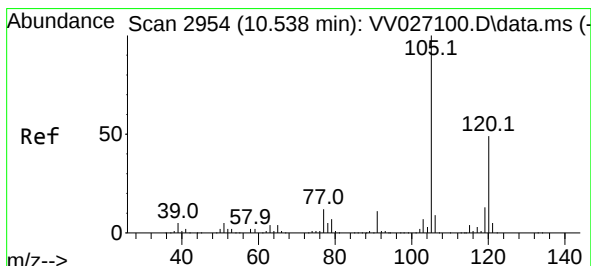
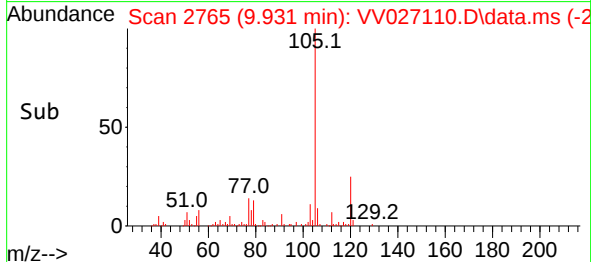
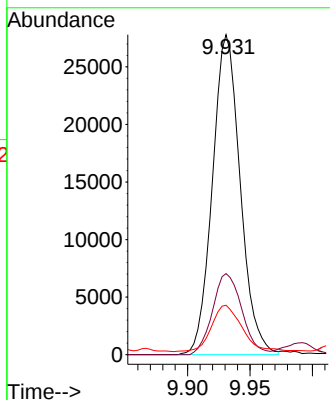
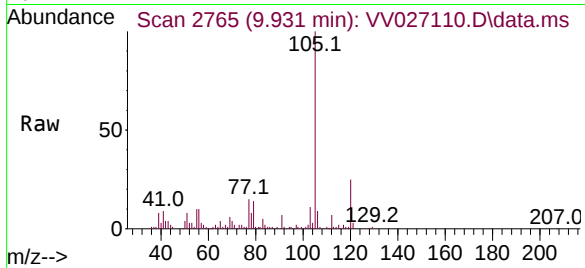




#60
Isopropylbenzene
Concen: 1.942 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

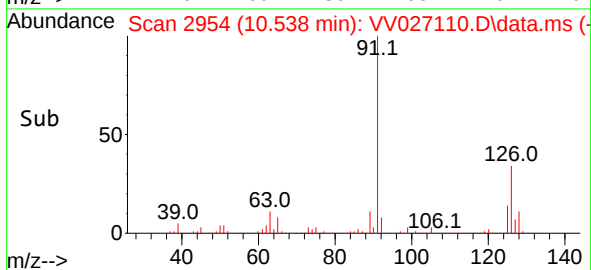
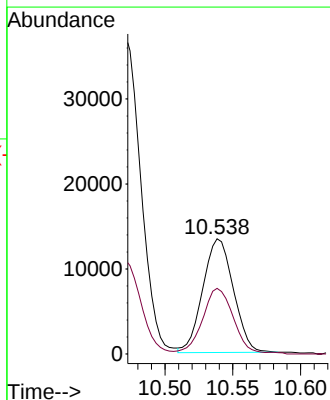
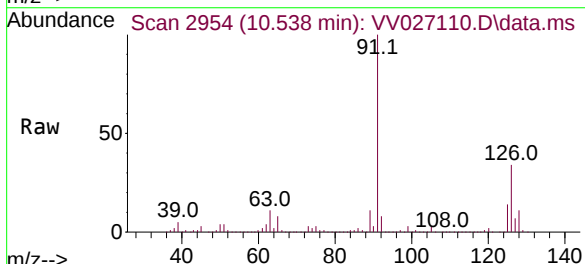
Instrument :
MSVOA_V
ClientSampleId :
EXF06

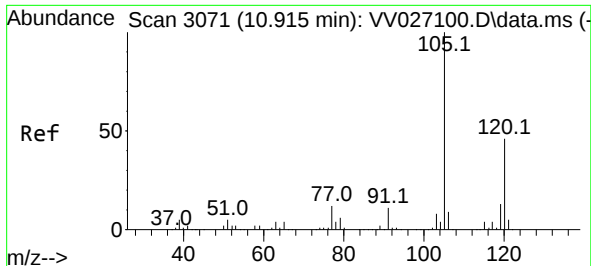
Tgt Ion:105 Resp: 43190
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0
77 15.2 11.8 17.6



#62
1,3,5-Trimethylbenzene
Concen: 2.208 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Tgt Ion:105 Resp: 21019
Ion Ratio Lower Upper
105 100
120 55.0 39.3 58.9

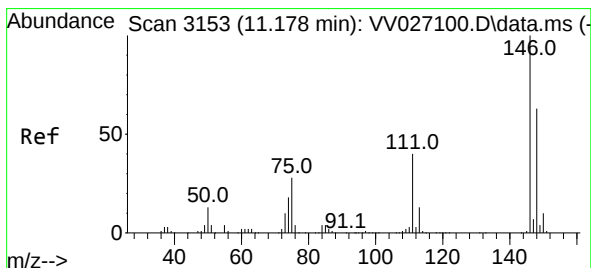
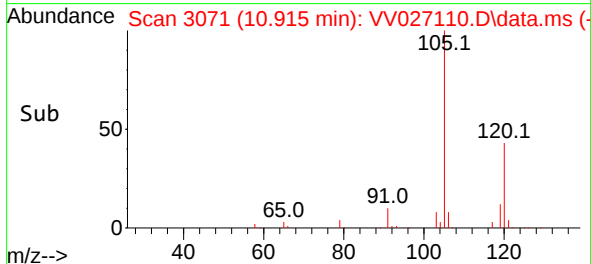
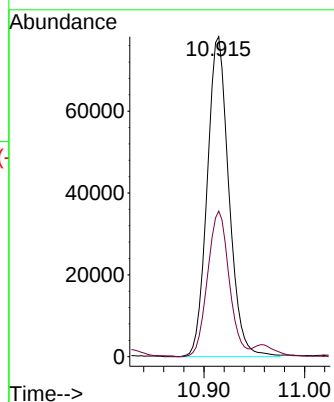
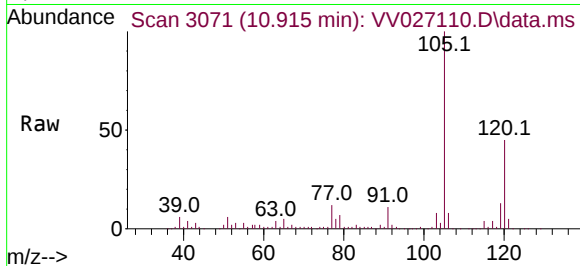




#63
1,2,4-Trimethylbenzene
Concen: 15.431 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.000 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

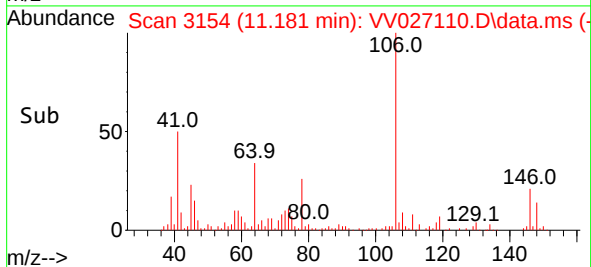
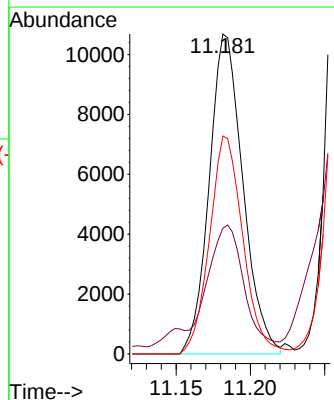
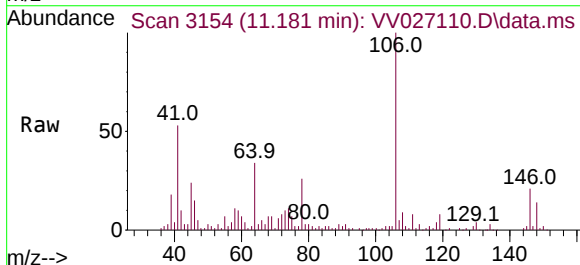
Instrument :
MSVOA_V
ClientSampleId :
EXF06

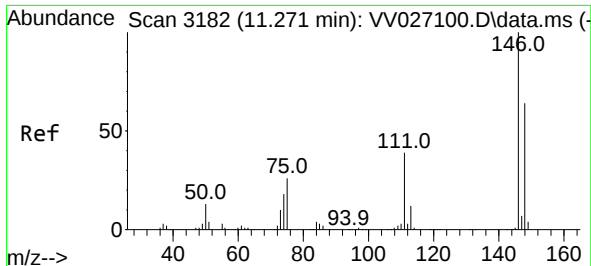
Tgt Ion:105 Resp: 117240
Ion Ratio Lower Upper
105 100
120 45.2 37.0 55.6



#64
1,3-Dichlorobenzene
Concen: 1.562 ug/L
RT: 11.181 min Scan# 3154
Delta R.T. 0.003 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Tgt Ion:146 Resp: 16872
Ion Ratio Lower Upper
146 100
111 39.3 28.4 52.8
148 68.1 44.7 82.9





#65

1,4-Dichlorobenzene

Concen: 8.369 ug/L

RT: 11.272 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

Instrument :

MSVOA_V

ClientSampleId :

EXF06

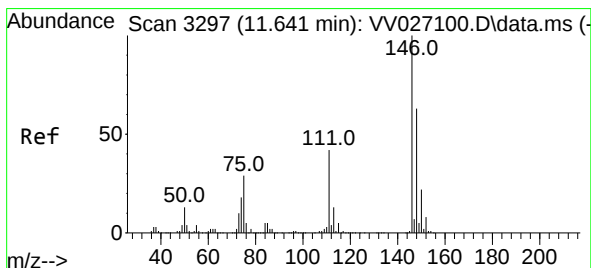
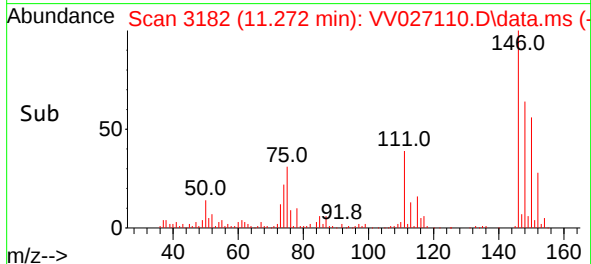
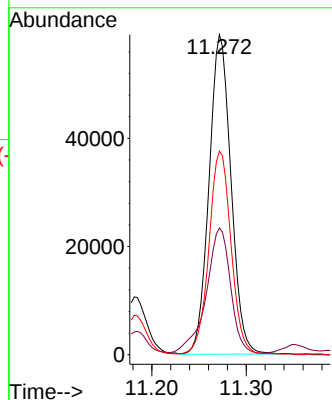
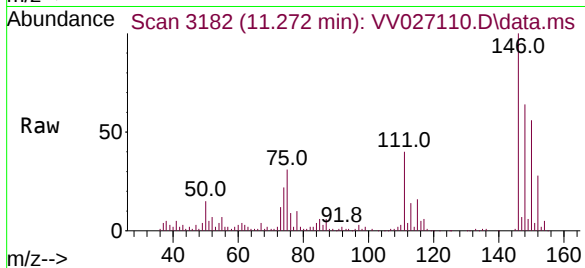
Tgt Ion:146 Resp: 95229

Ion Ratio Lower Upper

146 100

111 39.6 27.4 51.0

148 63.6 44.6 82.8



#67

1,2-Dichlorobenzene

Concen: 12.972 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV027110.D

Acq: 30 Jul 2022 02:19

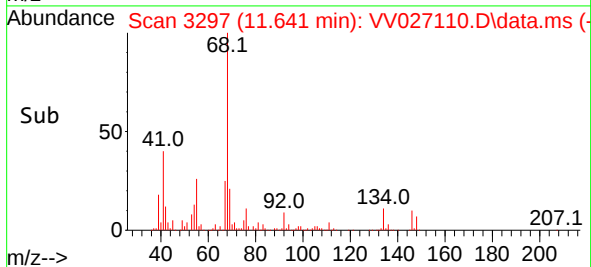
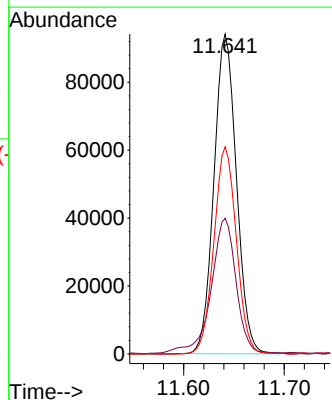
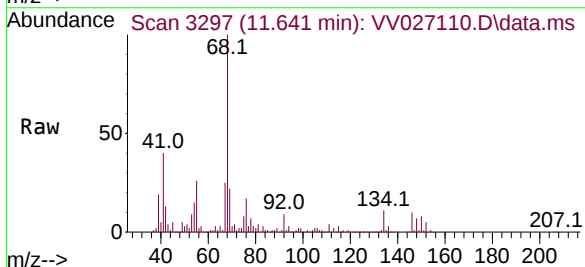
Tgt Ion:146 Resp: 146282

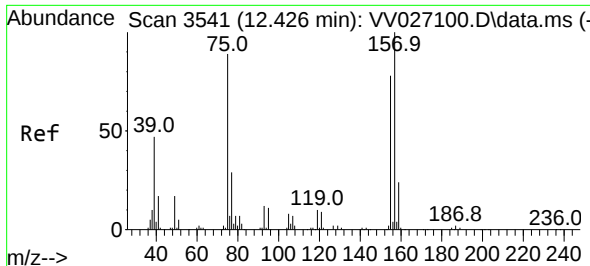
Ion Ratio Lower Upper

146 100

111 42.4 34.0 51.0

148 64.7 50.5 75.7

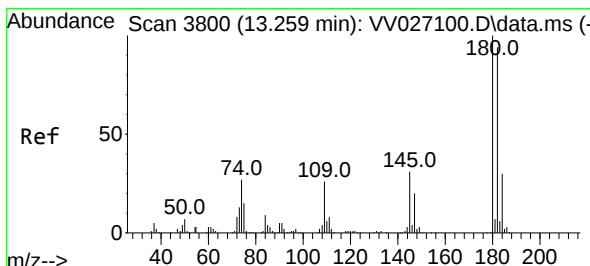
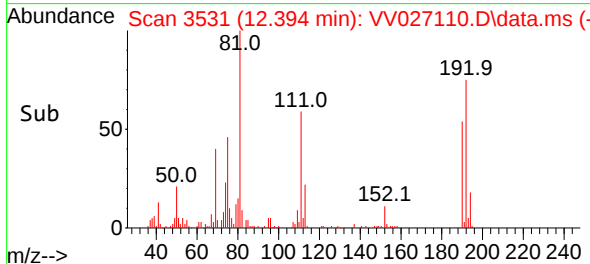
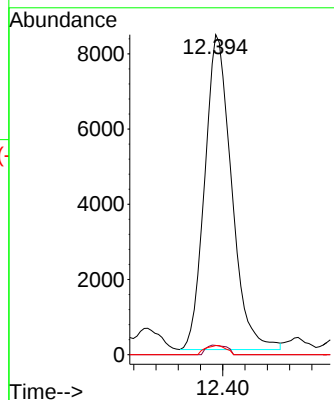
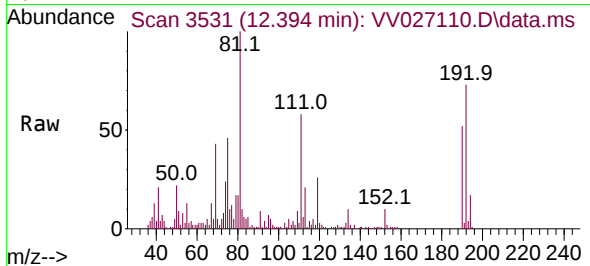




#68
 1,2-Dibromo-3-chloropropane
 Concen: 7.148 ug/L
 RT: 12.394 min Scan# 3531
 Delta R.T. -0.032 min
 Lab File: VV027110.D
 Acq: 30 Jul 2022 02:19

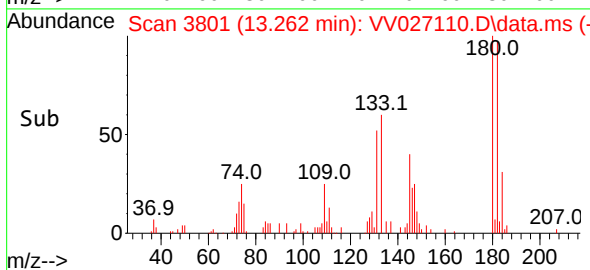
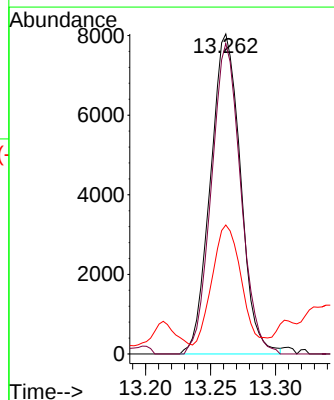
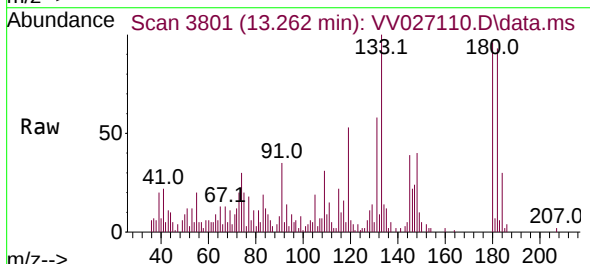
Instrument :
 MSVOA_V
 ClientSampleId :
 EXF06

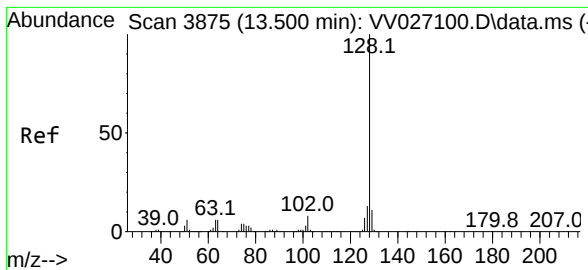
Tgt Ion: 75 Resp: 14010
 Ion Ratio Lower Upper
 75 100
 155 5.2 69.1 103.7#
 157 2.9 87.8 131.8#



#70
 1,2,4-trichlorobenzene
 Concen: 2.064 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.003 min
 Lab File: VV027110.D
 Acq: 30 Jul 2022 02:19

Tgt Ion:180 Resp: 12939
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.9 113.9
 145 35.8 24.7 37.1





#71
Naphthalene
Concen: 6.498 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.003 min
Lab File: VV027110.D
Acq: 30 Jul 2022 02:19

Instrument :
MSVOA_V
ClientSampleId :
EXF06

Tgt Ion:128 Resp: 141726
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.5 8.6 13.0

