

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010422\
 Data File : VX026270.D
 Acq On : 04 Jan 2022 14:41
 Operator : JC/MD
 Sample : M5335-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 05 06:09:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

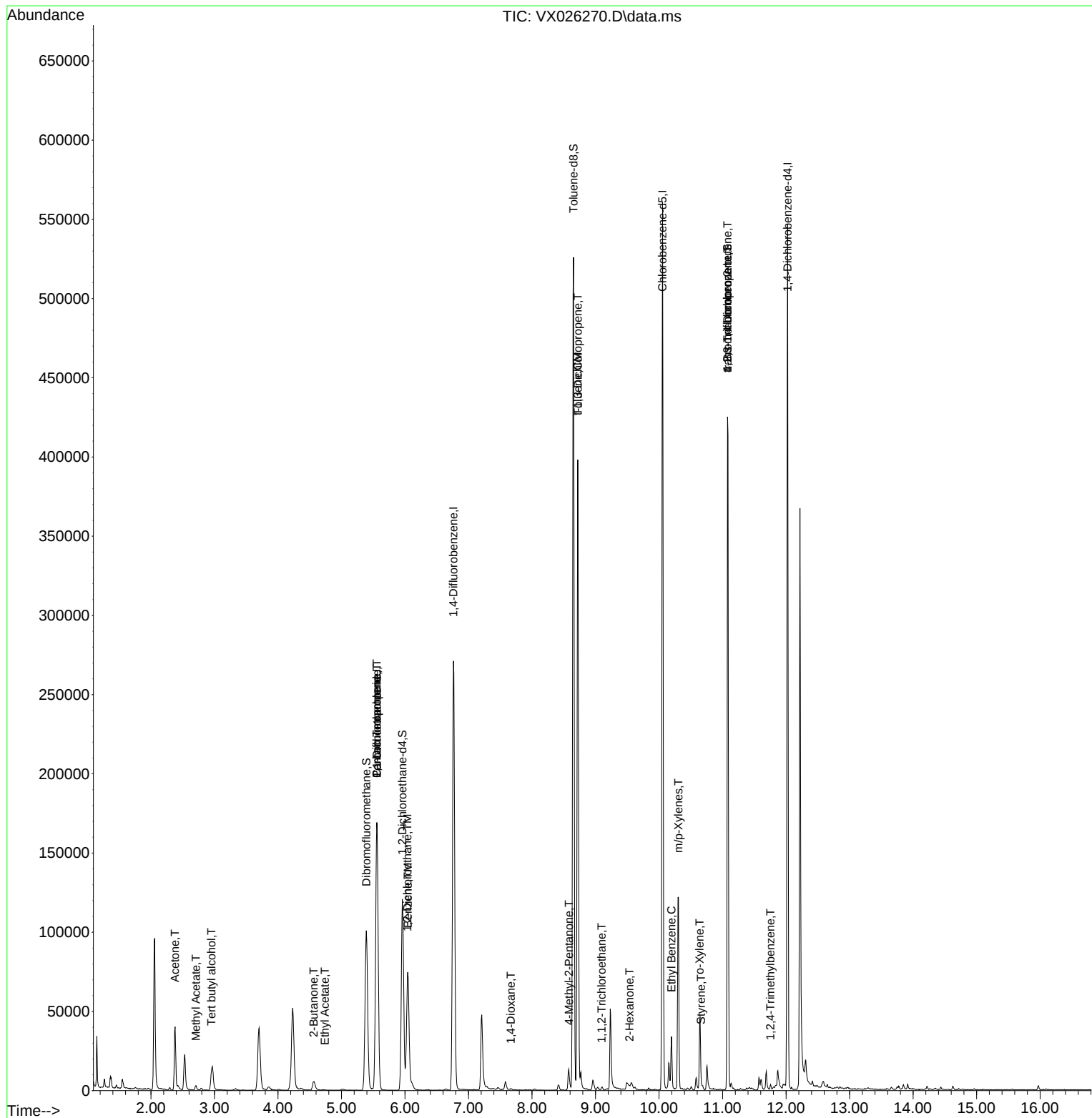
Internal Standards						
1) Pentafluorobenzene	5.556	168	151689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263523	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	118762	54.118	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.240%		
35) Dibromofluoromethane	5.391	113	87351	50.986	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.980%		
50) Toluene-d8	8.653	98	308427	48.399	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 96.800%		
62) 4-Bromofluorobenzene	11.079	95	116388	51.304	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 102.600%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.952	59	9990	22.792	ug/l	97
16) Acetone	2.379	43	43471	36.561	ug/l	94
18) Methyl Acetate	2.709	43	3467	0.899	ug/l	99
20) Methylene Chloride	2.800	84	461	Below Cal	#	85
25) 2-Butanone	4.562	43	10958	6.616	ug/l #	89
36) 1,1-Dichloropropene	5.556	75	13169	4.766	ug/l #	50
37) Ethyl Acetate	4.739	43	966	0.301	ug/l #	69
38) Carbon Tetrachloride	5.556	117	16804	5.467	ug/l #	15
40) Benzene	6.043	78	87240	11.062	ug/l	98
42) 1,2-Dichloroethane	6.037	62	967	0.303	ug/l #	74
49) 1,4-Dioxane	7.665	88	318	6.890	ug/l #	52
51) 4-Methyl-2-Pentanone	8.579	43	8149	2.508	ug/l	99
52) Toluene	8.720	92	141130	29.068	ug/l	99
53) t-1,3-Dichloropropene	8.720	75	1793	2.426	ug/l #	1
55) 1,1,2-Trichloroethane	9.098	97	714	0.358	ug/l #	15
59) 2-Hexanone	9.537	43	686	0.279	ug/l #	34
67) Ethyl Benzene	10.195	91	17567	1.950	ug/l	99
68) m/p-Xylenes	10.305	106	27218	8.093	ug/l	89
69) o-Xylene	10.640	106	9240	2.808	ug/l	88
70) Styrene	10.658	104	1831	0.339	ug/l #	11
76) 1,2,3-Trichloropropane	11.079	75	61255	25.335	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	61255	73.296	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.756	105	1326	0.205	ug/l	84

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

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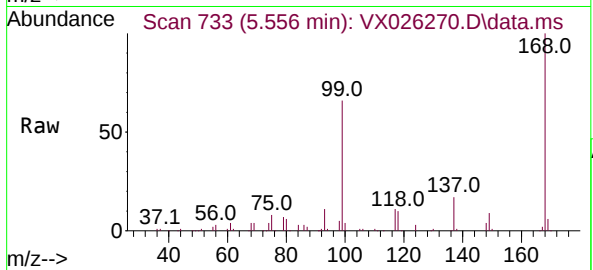
Quant Time: Jan 05 06:09:27 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration



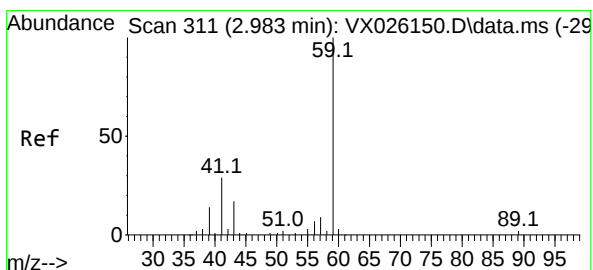
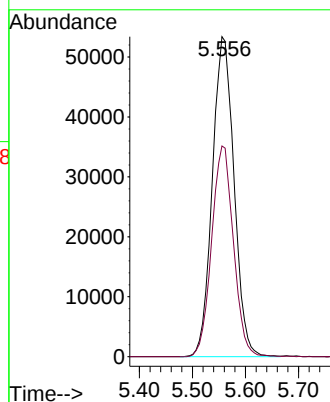
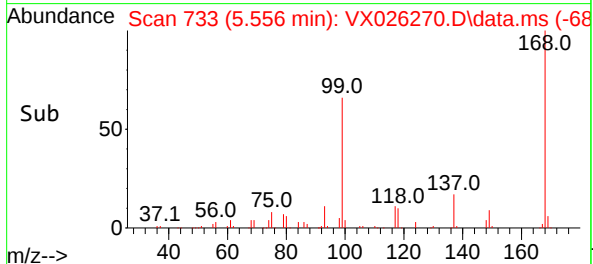


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

Instrument :
MSVOA_X
ClientSampleId :

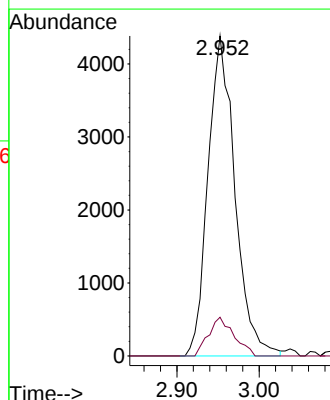
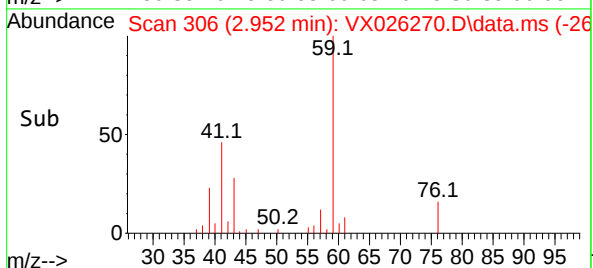
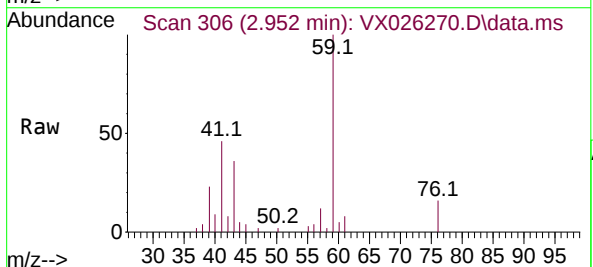


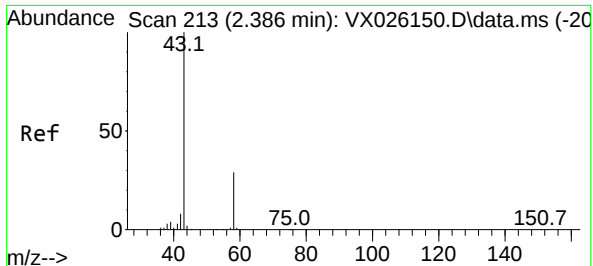
Tgt Ion:168 Resp: 151689
Ion Ratio Lower Upper
168 100
99 65.9 45.8 68.8



#11
Tert butyl alcohol
Concen: 22.792 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

Tgt Ion: 59 Resp: 9990
Ion Ratio Lower Upper
59 100
57 11.4 8.2 12.2

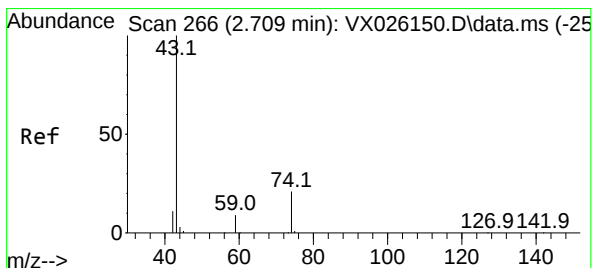
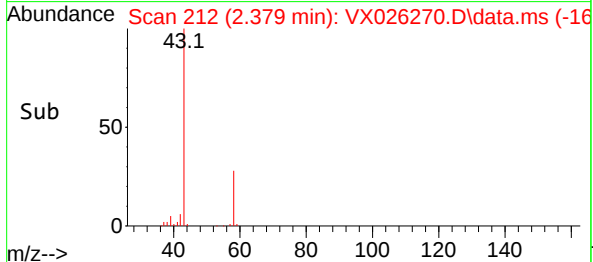
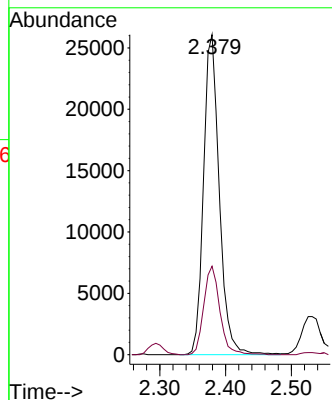
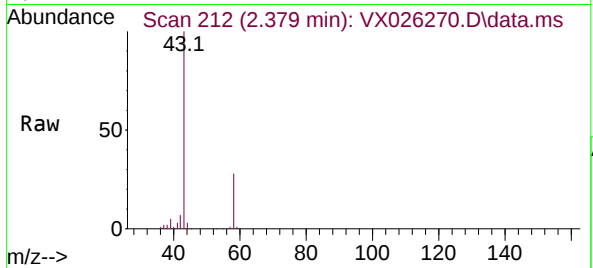




#16
Acetone
Concen: 36.561 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.007 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

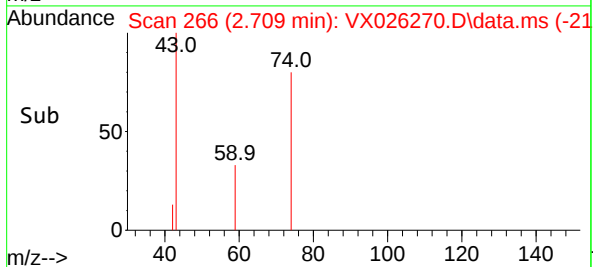
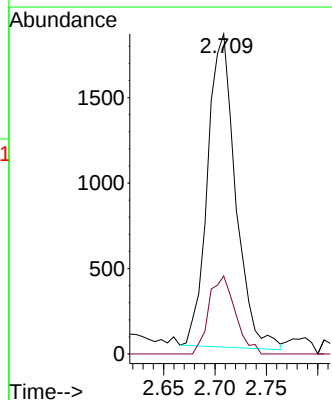
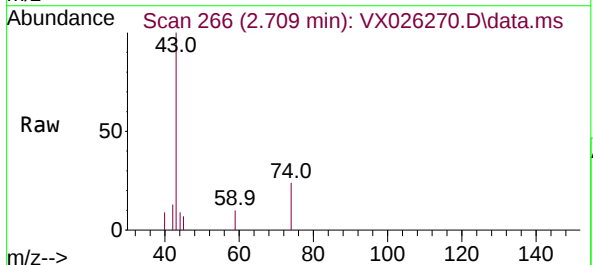
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 43471
Ion Ratio Lower Upper
43 100
58 27.6 24.8 37.2



#18
Methyl Acetate
Concen: 0.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

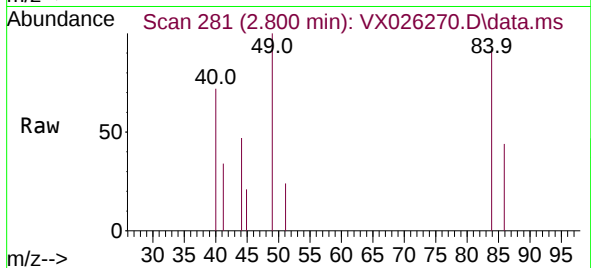
Tgt Ion: 43 Resp: 3467
Ion Ratio Lower Upper
43 100
74 23.4 19.1 28.7



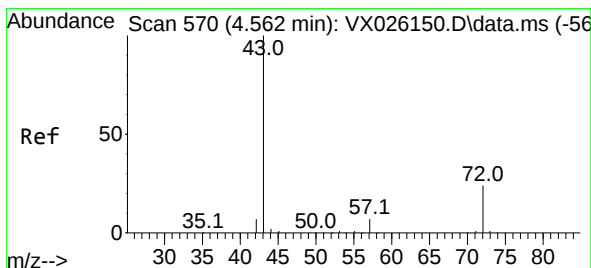
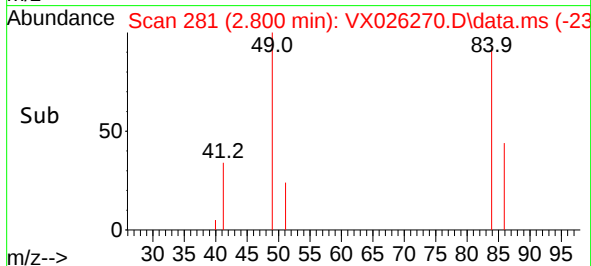
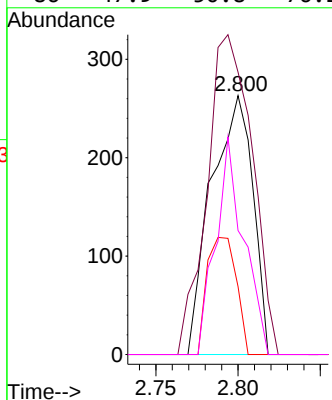


#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

Instrument :
MSVOA_X
ClientSampleId :

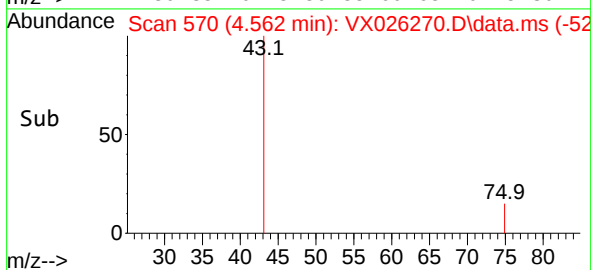
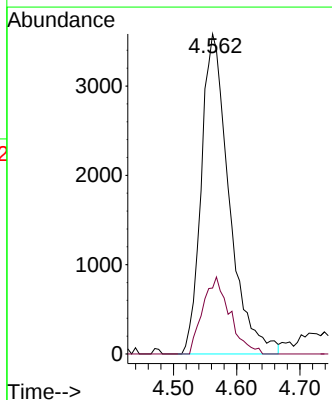
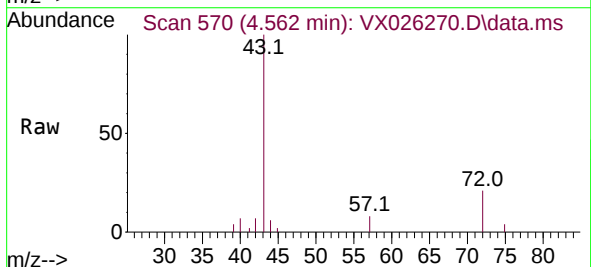


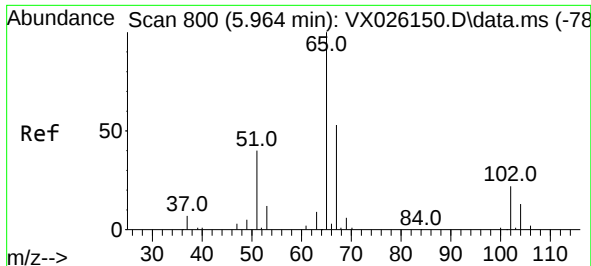
Tgt Ion: 84	Resp: 461
Ion Ratio	Lower Upper
84 100	
49 109.1	97.1 145.7
51 26.2	29.3 43.9#
86 47.9	50.8 76.2#



#25
2-Butanone
Concen: 6.616 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

Tgt Ion: 43	Resp: 10958
Ion Ratio	Lower Upper
43 100	
72 20.6	21.0 31.4#





#33

1,2-Dichloroethane-d4

Concen: 54.118 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Instrument :

MSVOA_X

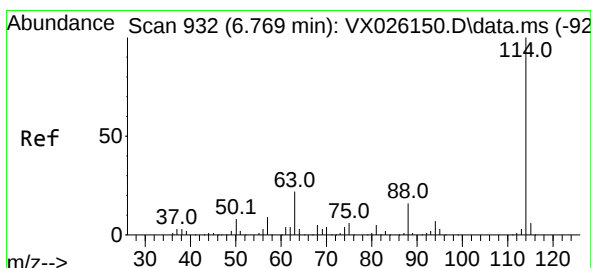
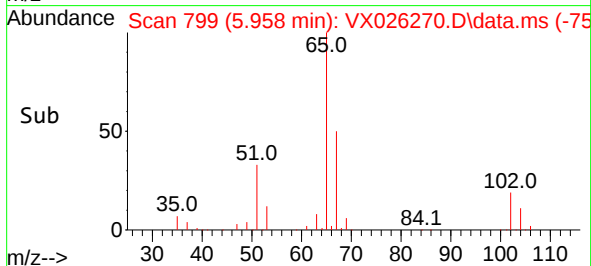
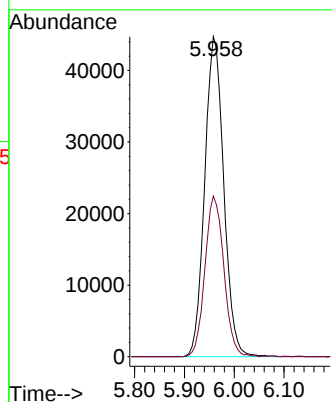
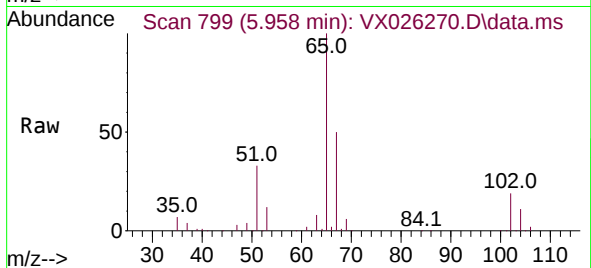
ClientSampleId :

Tgt Ion: 65 Resp: 118762

Ion Ratio Lower Upper

65 100

67 49.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

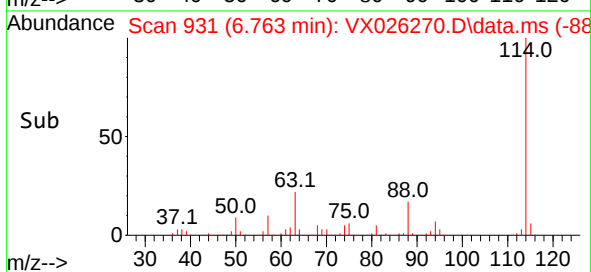
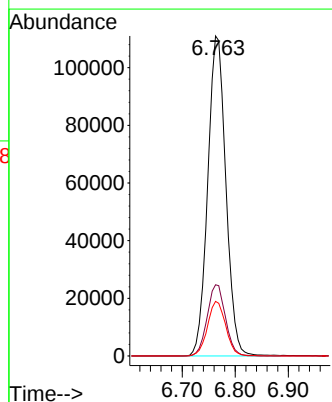
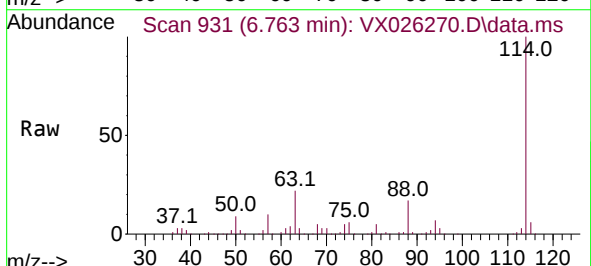
Tgt Ion: 114 Resp: 263523

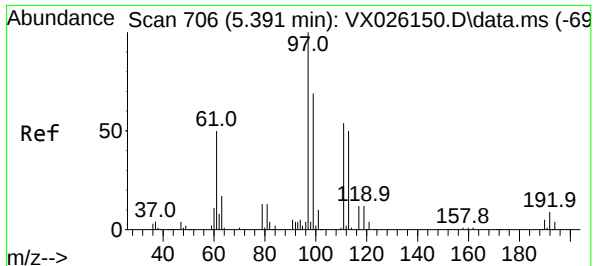
Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.0

88 17.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.986 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

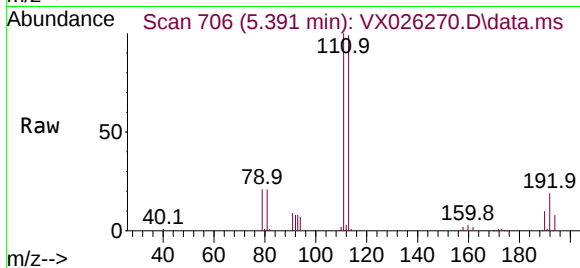
Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :



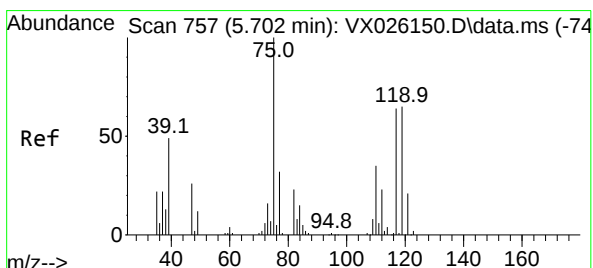
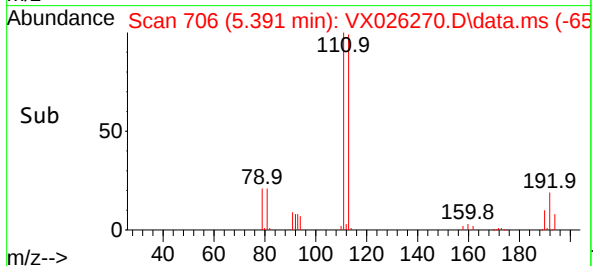
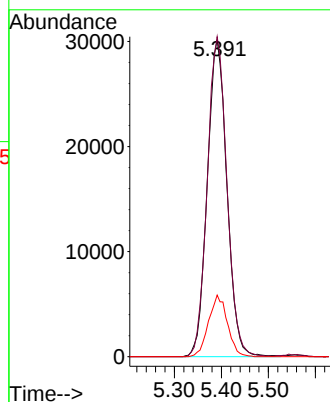
Tgt Ion:113 Resp: 87351

Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.8

192 18.6 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.766 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

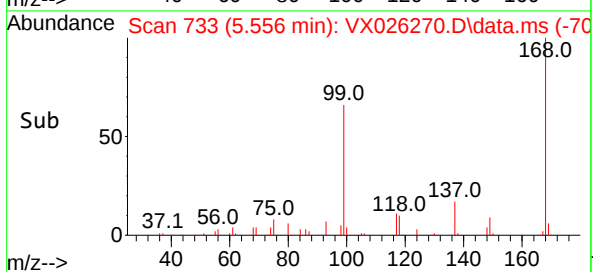
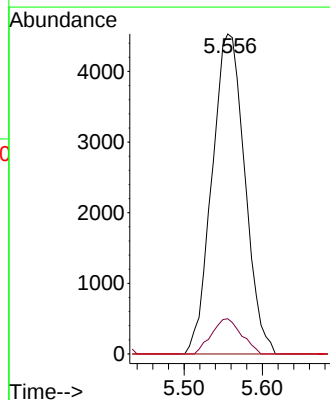
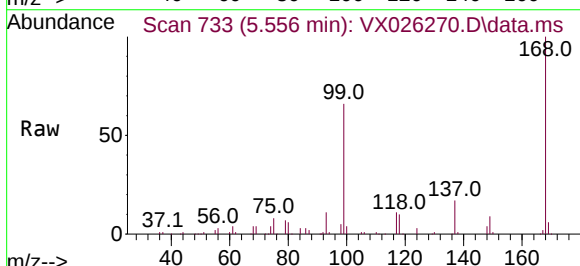
Tgt Ion: 75 Resp: 13169

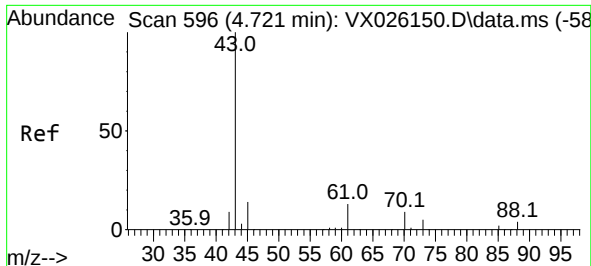
Ion Ratio Lower Upper

75 100

110 10.0 18.2 54.6#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.301 ug/l

RT: 4.739 min Scan# 596

Delta R.T. 0.018 min

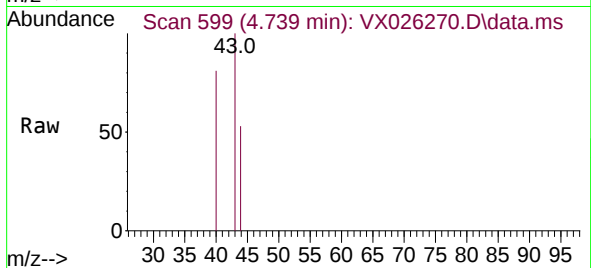
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Acq: 04 Jan 2022 14:41

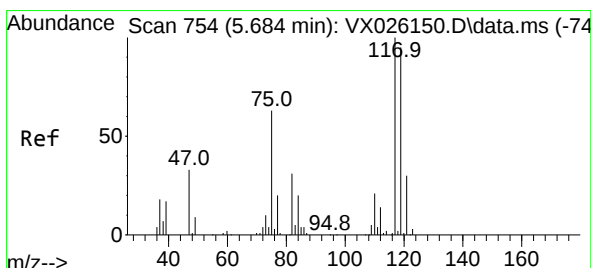
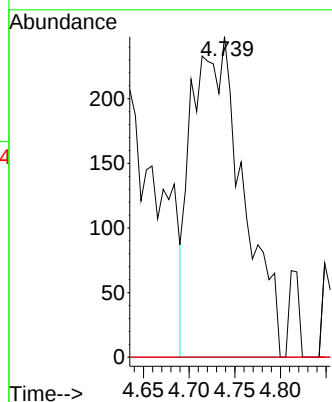
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	966
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	8.5	12.7#



#38

Carbon Tetrachloride

Concen: 5.467 ug/l

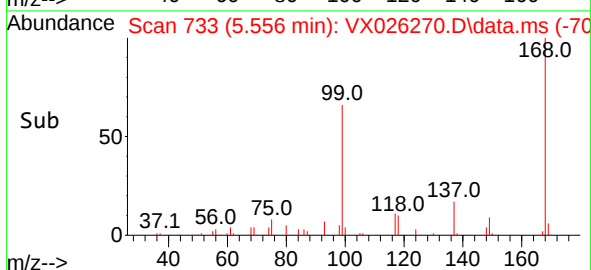
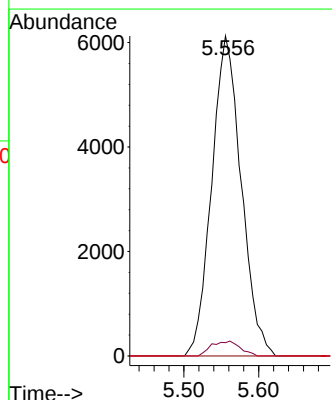
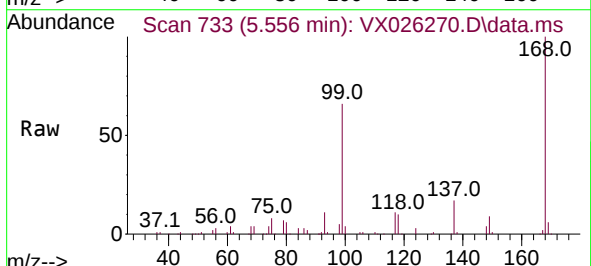
RT: 5.556 min Scan# 733

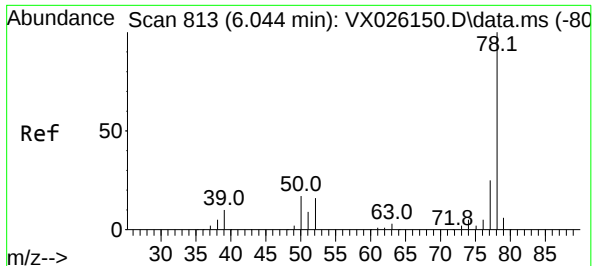
Delta R.T. -0.128 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Tgt Ion:	117	Resp:	16804
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.2	115.8#
121	0.0	23.8	35.8#

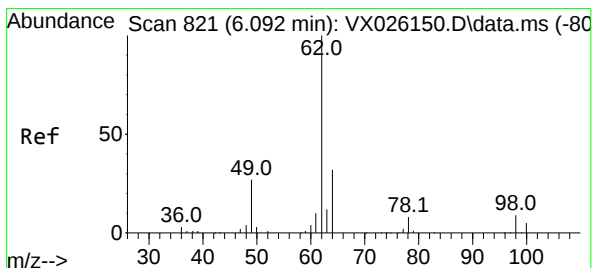
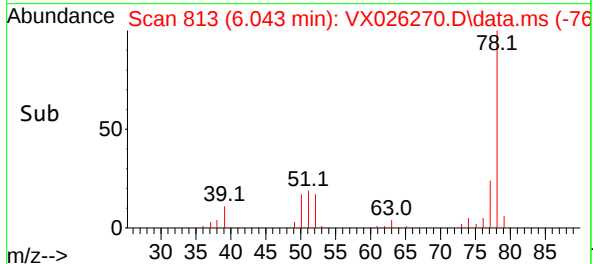
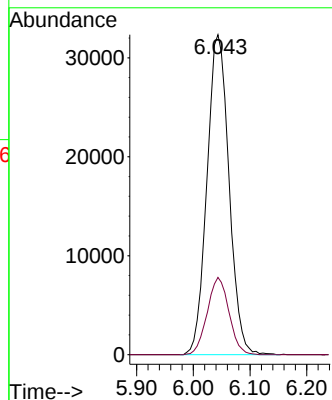
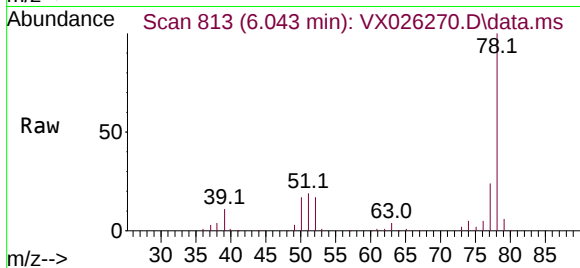




#40
Benzene
Concen: 11.062 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.001 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

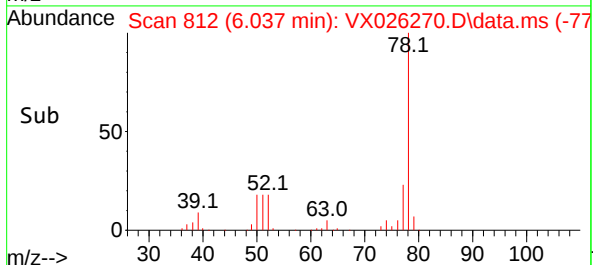
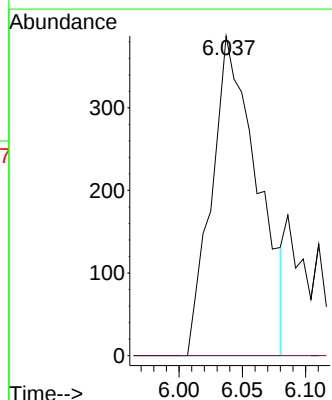
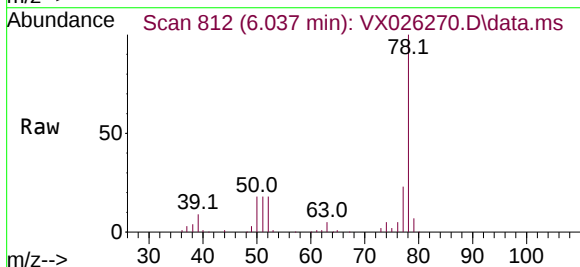
Instrument :
MSVOA_X
ClientSampleId :

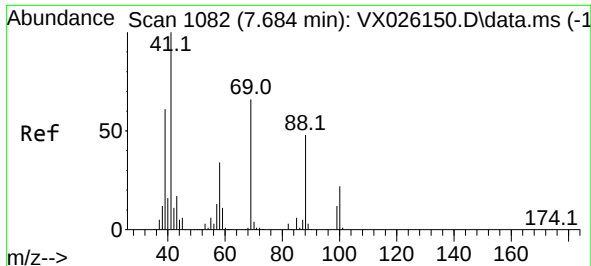
Tgt Ion: 78 Resp: 87240
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.055 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

Tgt Ion: 62 Resp: 967
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.8





#49

1,4-Dioxane

Concen: 6.890 ug/l

RT: 7.665 min Scan# 1082

Delta R.T. -0.019 min

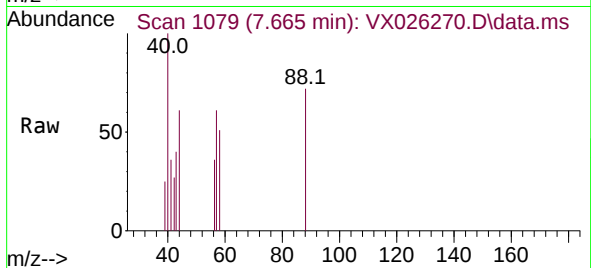
Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :



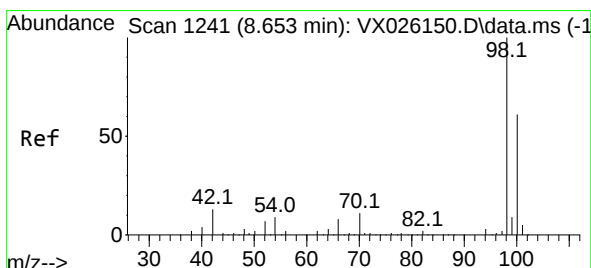
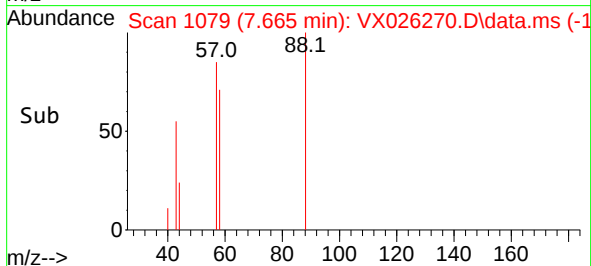
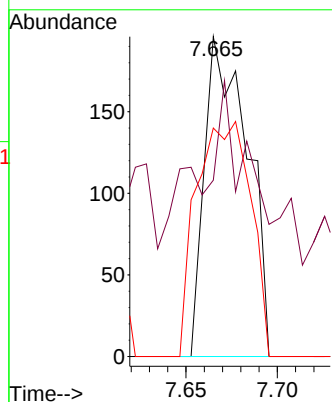
Tgt Ion: 88 Resp: 318

Ion Ratio Lower Upper

88 100

43 71.7 25.3 37.9#

58 93.4 51.8 77.6#



#50

Toluene-d8

Concen: 48.399 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026270.D

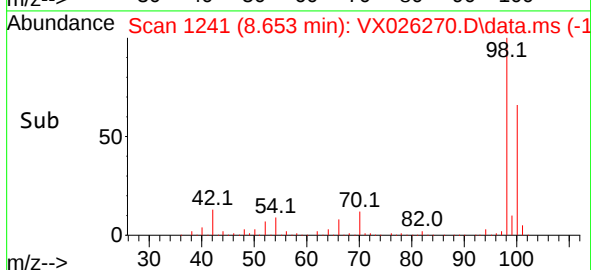
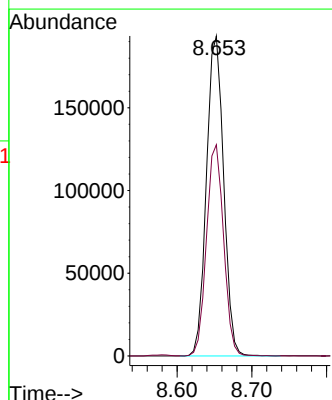
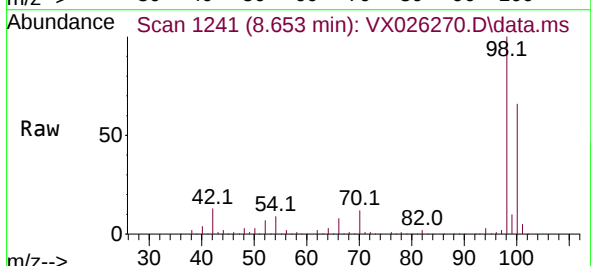
Acq: 04 Jan 2022 14:41

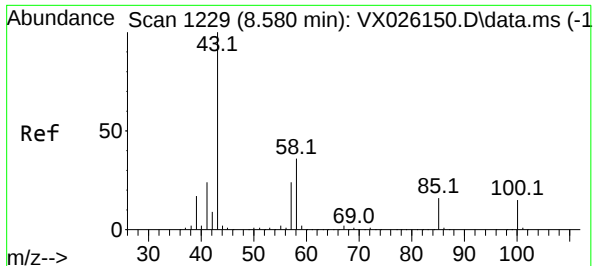
Tgt Ion: 98 Resp: 308427

Ion Ratio Lower Upper

98 100

100 65.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 2.508 ug/l

RT: 8.579 min Scan# 11

Delta R.T. -0.001 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Instrument :

MSVOA_X

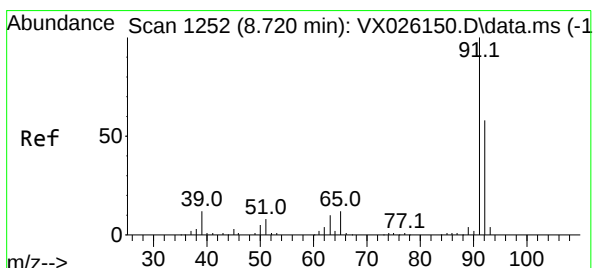
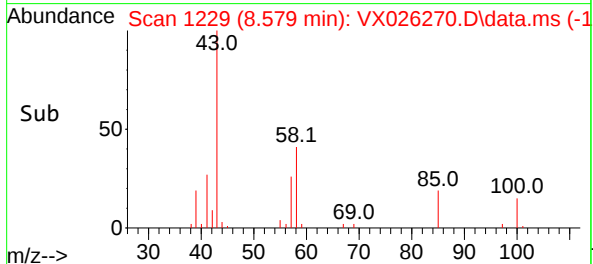
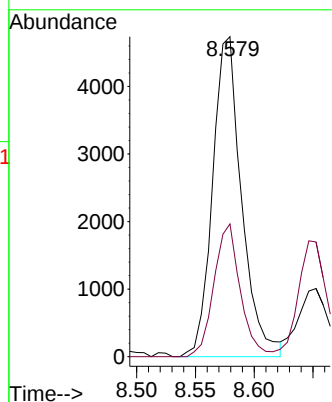
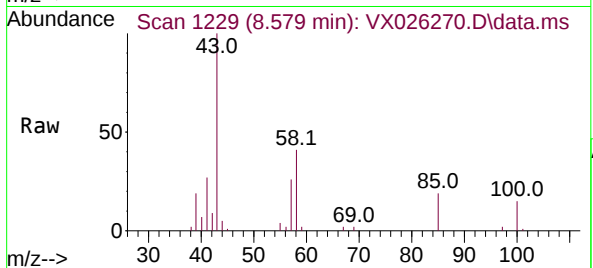
ClientSampleId :

Tgt Ion: 43 Resp: 8149

Ion Ratio Lower Upper

43 100

58 37.7 30.8 46.2



#52

Toluene

Concen: 29.068 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX026270.D

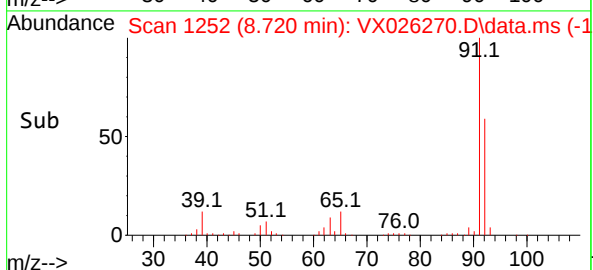
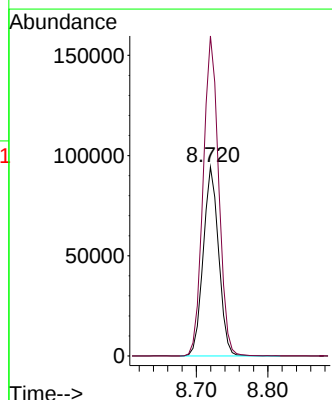
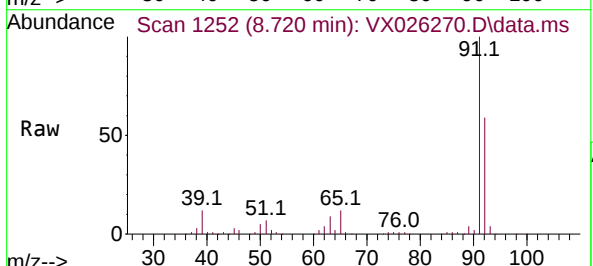
Acq: 04 Jan 2022 14:41

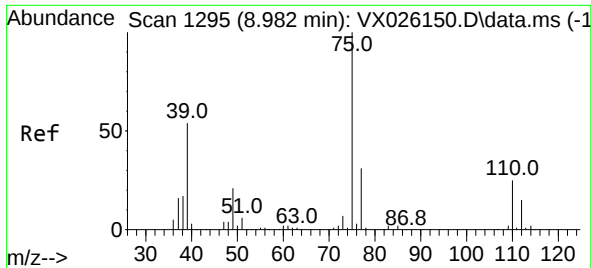
Tgt Ion: 92 Resp: 141130

Ion Ratio Lower Upper

92 100

91 170.9 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 2.426 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Instrument :

MSVOA_X

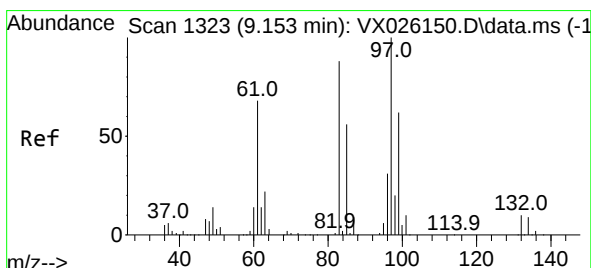
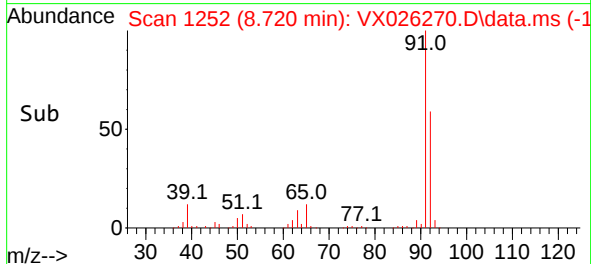
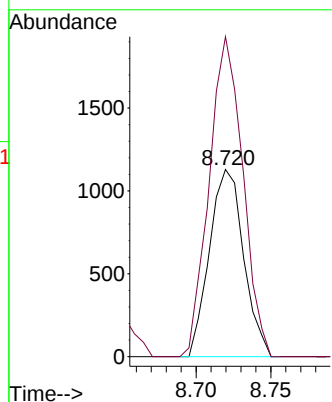
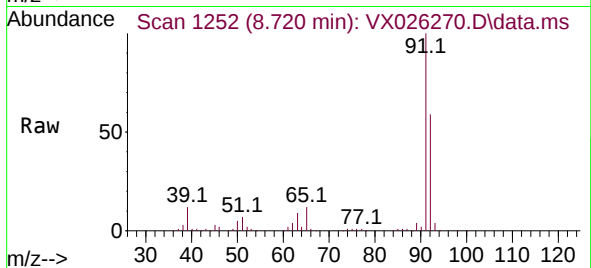
ClientSampleId :

Tgt Ion: 75 Resp: 1793

Ion Ratio Lower Upper

75 100

77 170.9 25.1 37.7#



#55

1,1,2-Trichloroethane

Concen: 0.358 ug/l

RT: 9.098 min Scan# 1314

Delta R.T. -0.055 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Tgt Ion: 97 Resp: 714

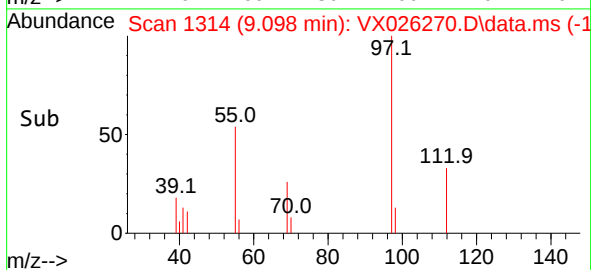
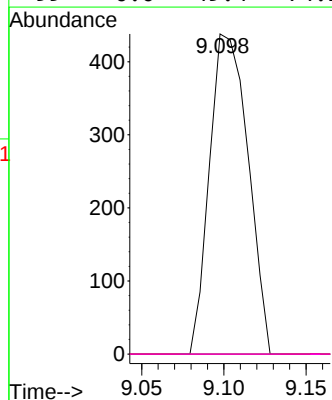
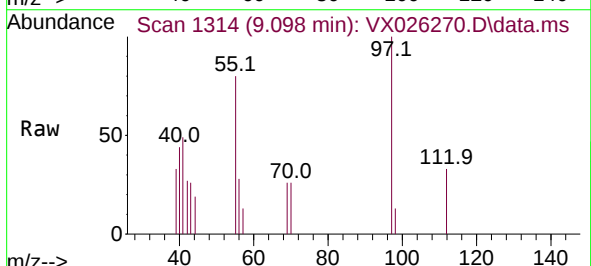
Ion Ratio Lower Upper

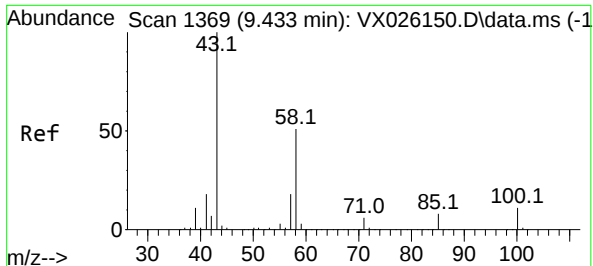
97 100

83 0.0 70.5 105.7#

85 0.0 43.8 65.6#

99 0.0 49.4 74.2#





#59

2-Hexanone

Concen: 0.279 ug/l

RT: 9.537 min Scan# 11

Delta R.T. 0.104 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Instrument :

MSVOA_X

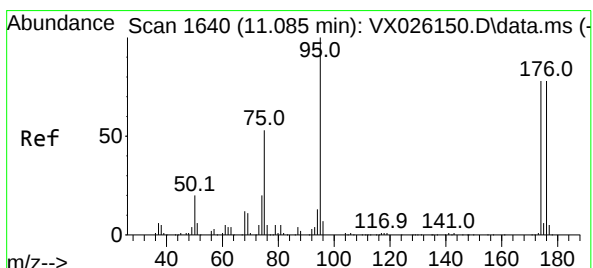
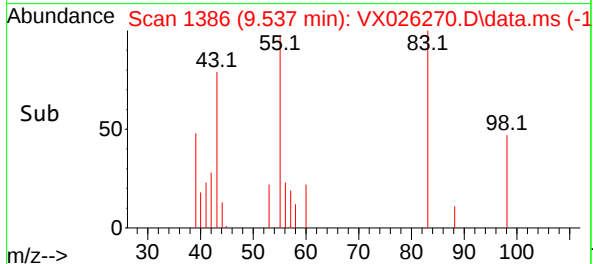
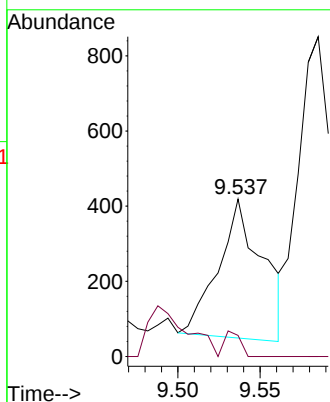
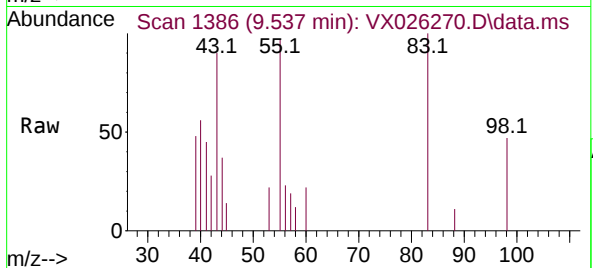
ClientSampleId :

Tgt Ion: 43 Resp: 686

Ion Ratio Lower Upper

43 100

58 6.6 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 51.304 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

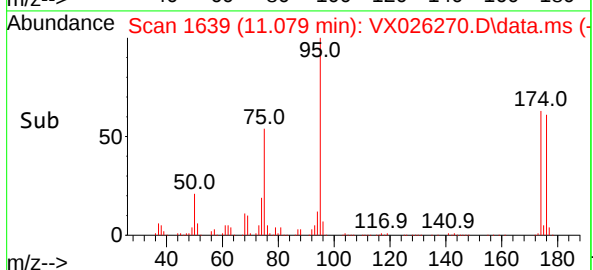
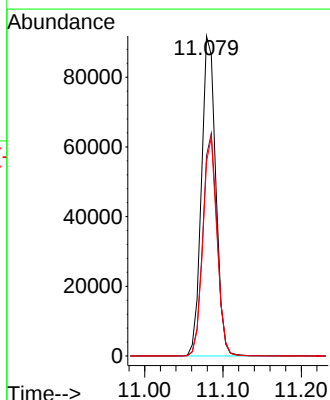
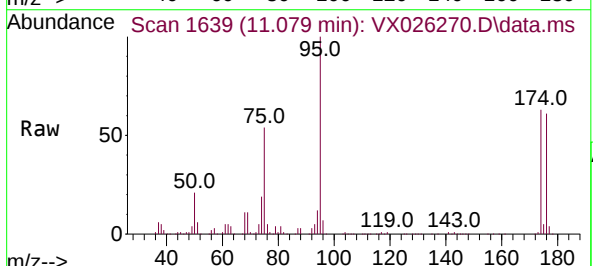
Tgt Ion: 95 Resp: 116388

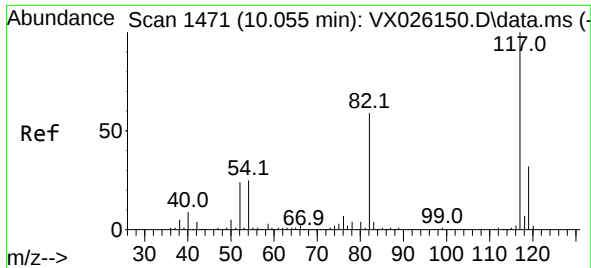
Ion Ratio Lower Upper

95 100

174 69.4 0.0 157.4

176 67.2 0.0 154.6

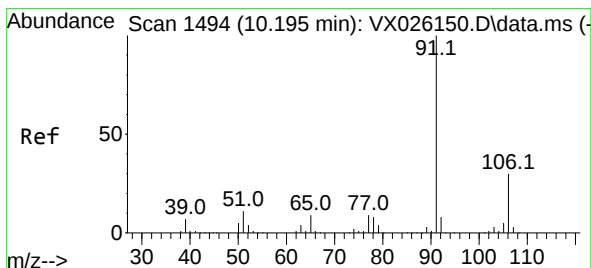
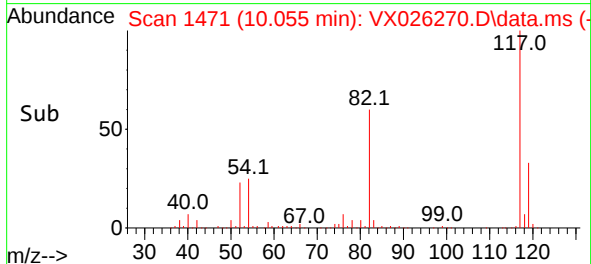
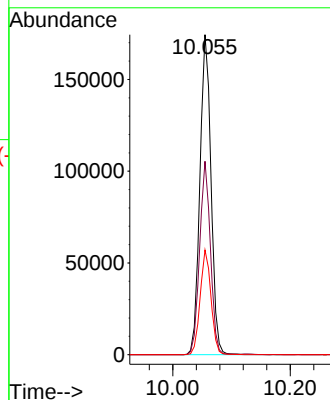
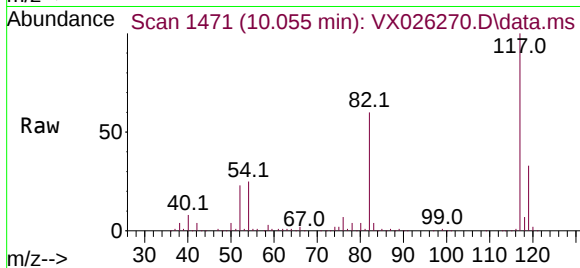




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

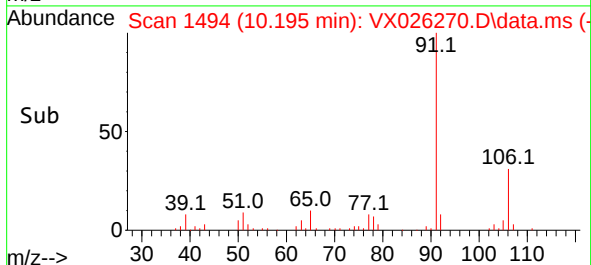
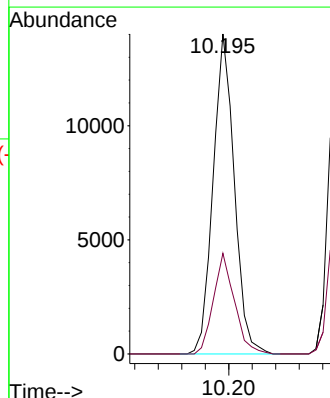
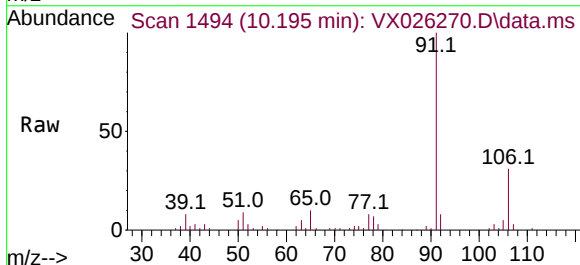
Instrument :
MSVOA_X
ClientSampleId :

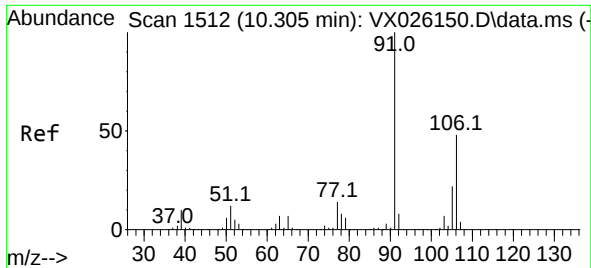
Tgt Ion:117 Resp: 229325
Ion Ratio Lower Upper
117 100
82 60.4 43.8 65.6
119 32.7 25.2 37.8



#67
Ethyl Benzene
Concen: 1.950 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

Tgt Ion: 91 Resp: 17567
Ion Ratio Lower Upper
91 100
106 31.5 25.7 38.5

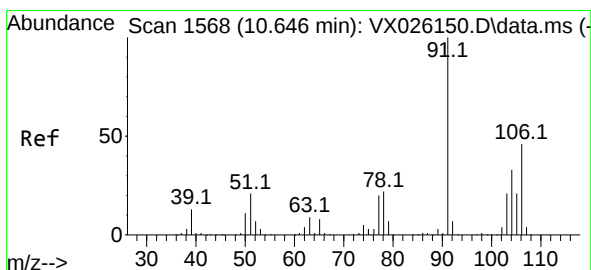
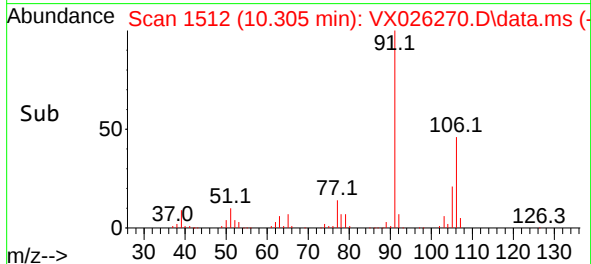
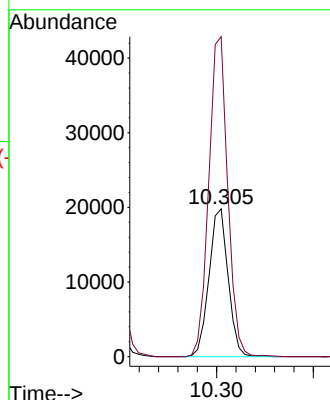
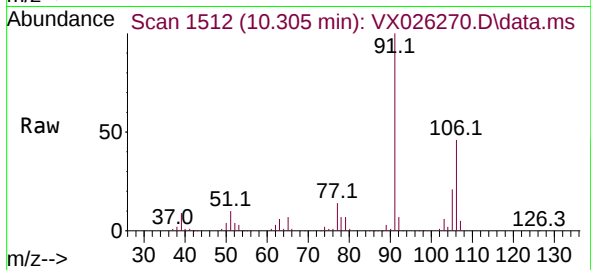




#68
m/p-Xylenes
Concen: 8.093 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

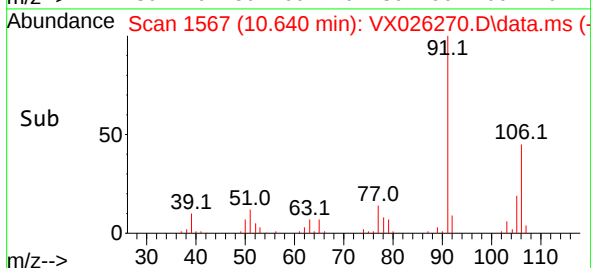
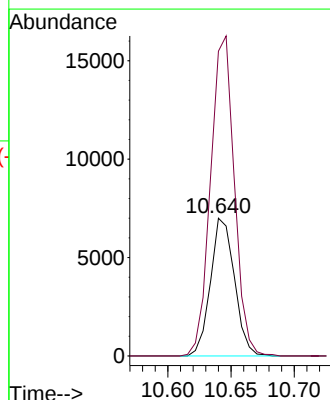
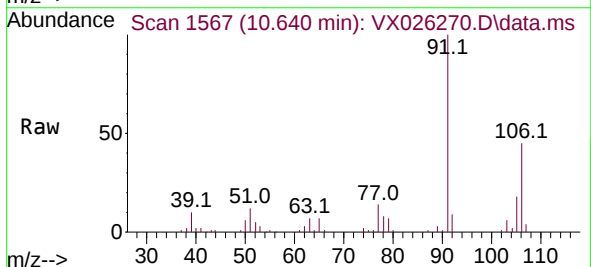
Instrument :
MSVOA_X
ClientSampleId :

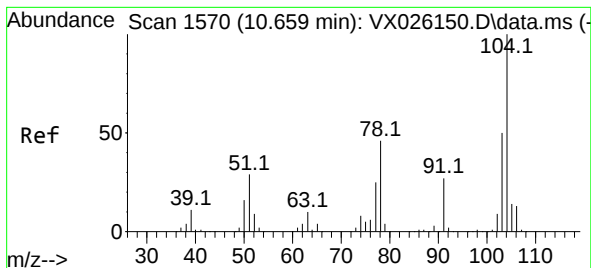
Tgt Ion:106 Resp: 27218
Ion Ratio Lower Upper
106 100
91 215.2 158.6 238.0



#69
o-Xylene
Concen: 2.808 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

Tgt Ion:106 Resp: 9240
Ion Ratio Lower Upper
106 100
91 230.3 105.5 316.4





#70

Styrene

Concen: 0.339 ug/l

RT: 10.658 min Scan# 1

Delta R.T. -0.001 min

Lab File: VX026270.D

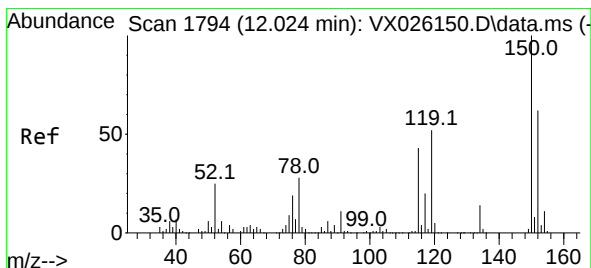
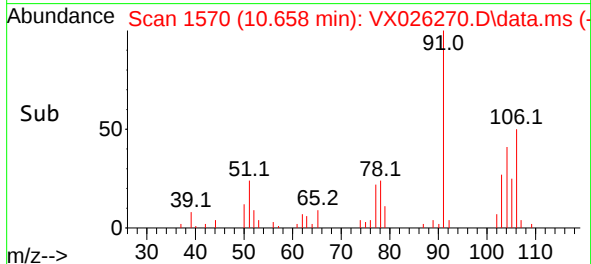
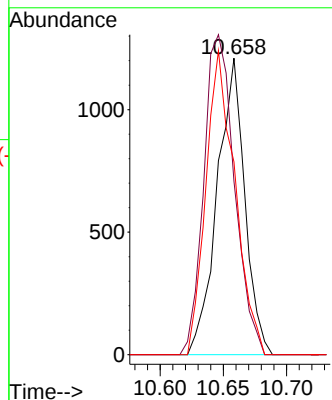
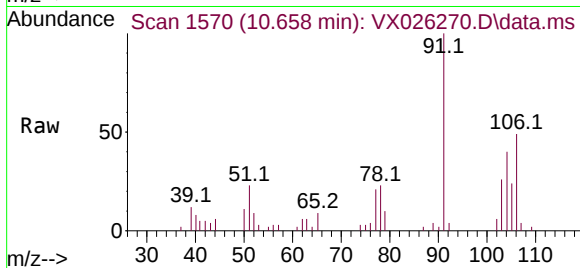
Acq: 04 Jan 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	104	Resp:	1831
Ion Ratio	Lower	Upper	
104	100		
78	120.5	39.8	59.6#
103	107.9	43.0	64.6#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

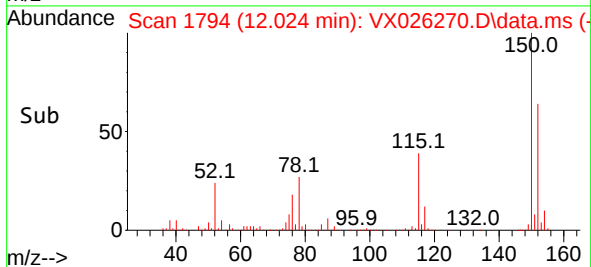
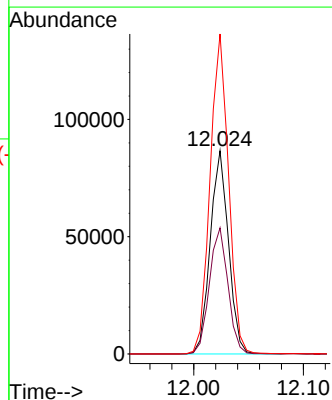
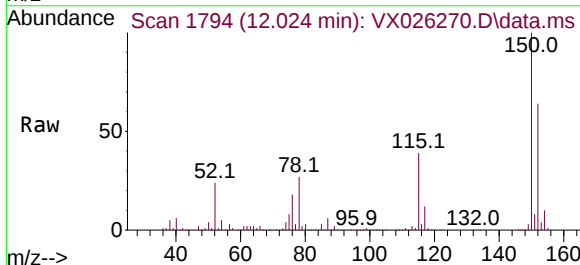
RT: 12.024 min Scan# 1794

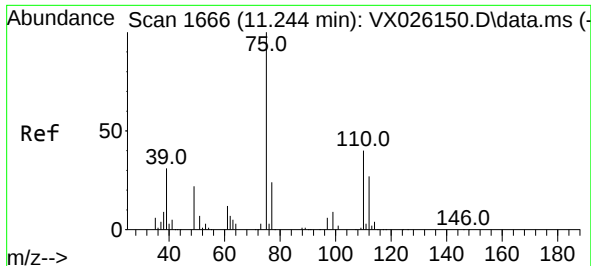
Delta R.T. -0.000 min

Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Tgt Ion:	152	Resp:	100166
Ion Ratio	Lower	Upper	
152	100		
115	63.2	41.3	123.9
150	159.7	0.0	351.8

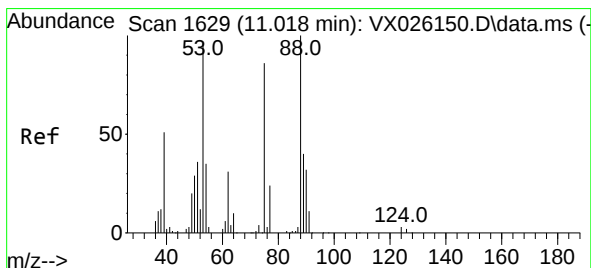
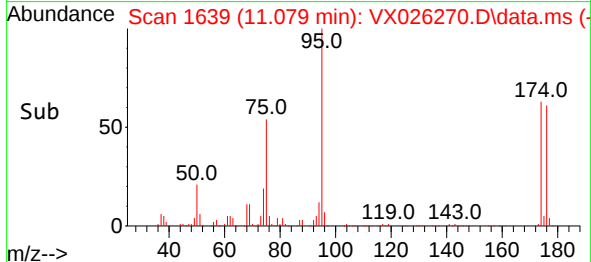
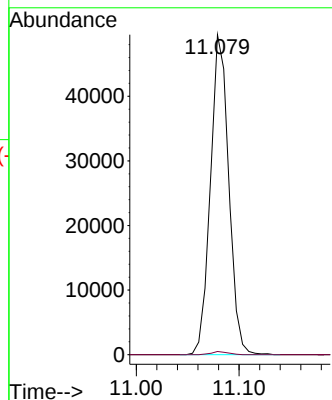
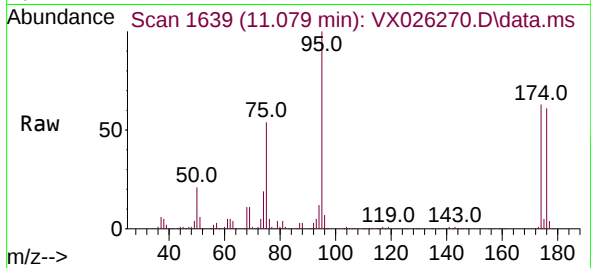




#76
1,2,3-Trichloropropane
Concen: 25.335 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

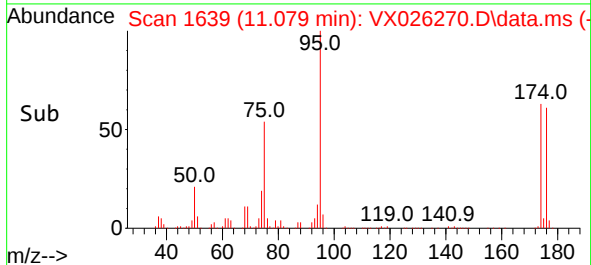
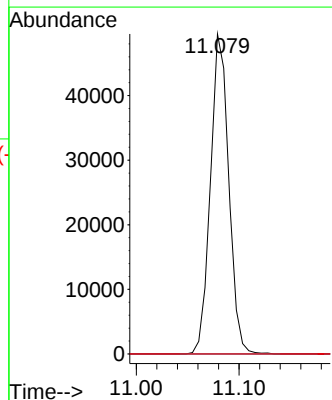
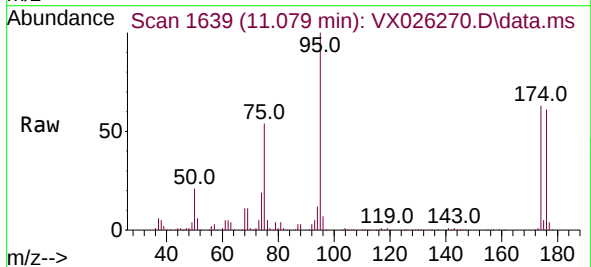
Instrument :
MSVOA_X
ClientSampleId :

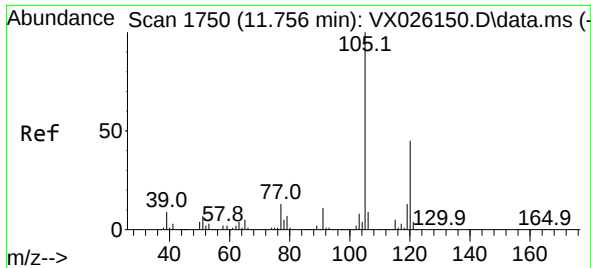
Tgt Ion: 75 Resp: 61255
Ion Ratio Lower Upper
75 100
77 0.9 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026270.D
Acq: 04 Jan 2022 14:41

Tgt Ion: 75 Resp: 61255
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.205 ug/l

RT: 11.756 min Scan# 11

Delta R.T. -0.000 min

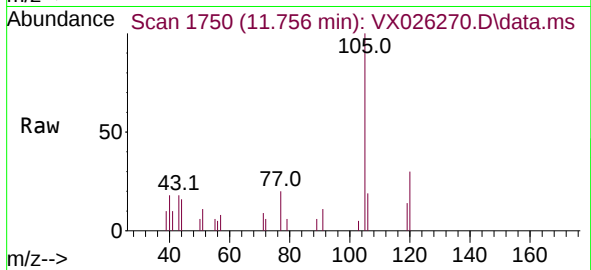
Lab File: VX026270.D

Acq: 04 Jan 2022 14:41

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:105 Resp: 1326

Ion Ratio Lower Upper

105 100

120 35.1 22.9 68.7

