

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042722\
 Data File : VX028371.D
 Acq On : 27 Apr 2022 12:27
 Operator : JC/MD
 Sample : N2511-03
 Misc : 5.01g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1528

Quant Time: Apr 27 15:53:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

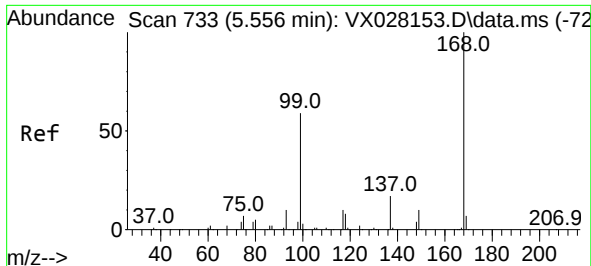
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	492399	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	804846	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	715657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	346366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	268748	41.859	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	83.720%		
35) Dibromofluoromethane	5.391	113	243731	43.182	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	86.360%		
50) Toluene-d8	8.653	98	919518	42.416	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	84.840%		
62) 4-Bromofluorobenzene	11.085	95	319170	38.505	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	77.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	528	Below Cal	#	83
5) Bromomethane	1.605	94	3152	Below Cal		84
6) Chloroethane	1.654	64	94	Below Cal	#	43
8) Diethyl Ether	2.178	74	23	Below Cal	#	1
10) Methyl Iodide	2.440	142	2814	5.696	ug/l	98
11) Tert butyl alcohol	2.953	59	8252	Below Cal	#	72
13) Acrolein	2.264	56	206	0.262	ug/l	# 29
16) Acetone	2.422	43	4170	0.735	ug/l	# 81
18) Methyl Acetate	2.733	43	2967	0.520	ug/l	# 69
20) Methylene Chloride	2.788	84	3390	0.712	ug/l	92
25) 2-Butanone	4.605	43	25468	6.698	ug/l	95
29) Tetrahydrofuran	5.074	42	2238	0.903	ug/l	# 59
31) Cyclohexane	5.544	56	9549	1.221	ug/l	# 16
36) 1,1-Dichloropropene	5.550	75	34279	4.656	ug/l	# 50
37) Ethyl Acetate	4.605	43	25468	3.409	ug/l	# 65
38) Carbon Tetrachloride	5.550	117	48268	5.807	ug/l	# 15
43) Isopropyl Acetate	6.367	43	5724	0.471	ug/l	# 56
76) 1,2,3-Trichloropropane	11.085	75	159953	23.465	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	159953	69.731	ug/l	# 15
94) Hexachlorobutadiene	13.725	225	1323	0.431	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1566	0.232	ug/l	85

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

Quant Time: Apr 27 15:53:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

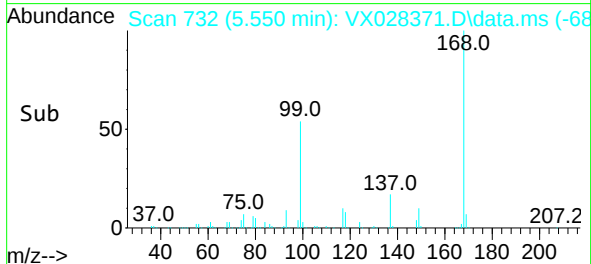
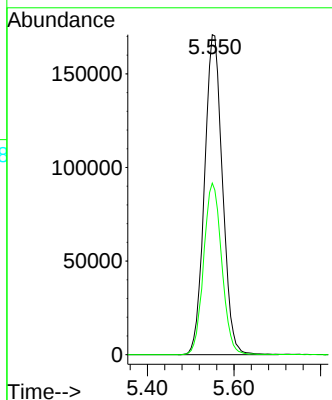
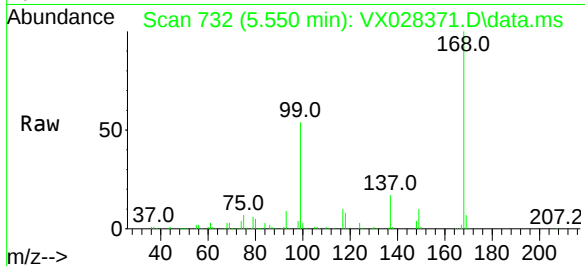




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

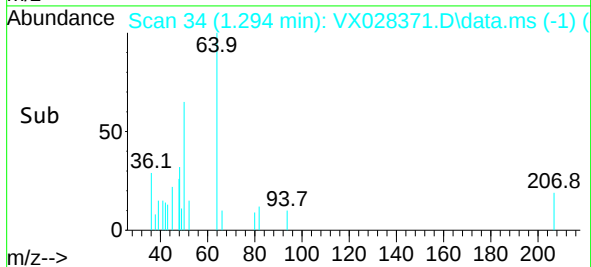
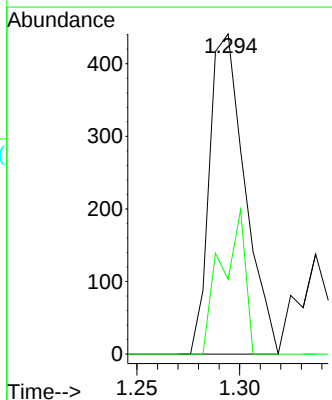
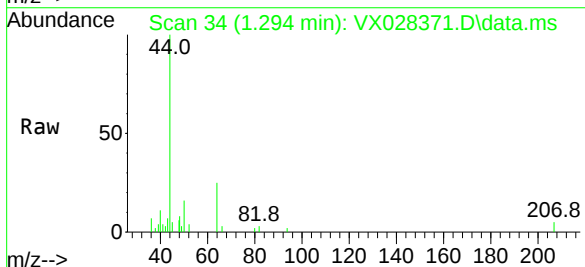
Instrument :
MSVOA_X
ClientSampleId :
1528

Tgt Ion:168 Resp: 492399
Ion Ratio Lower Upper
168 100
99 53.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

Tgt Ion: 50 Resp: 528
Ion Ratio Lower Upper
50 100
52 23.4 26.4 39.6#

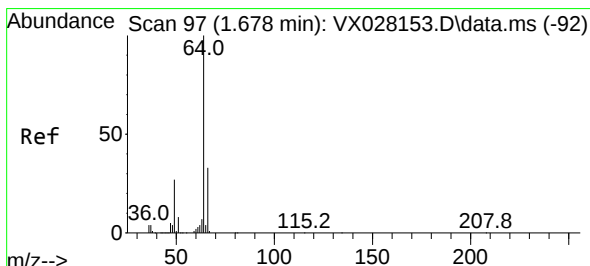
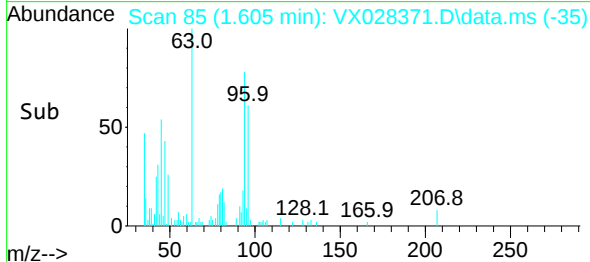
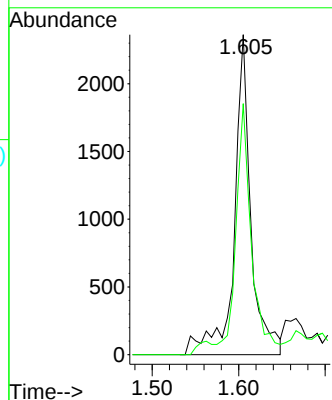
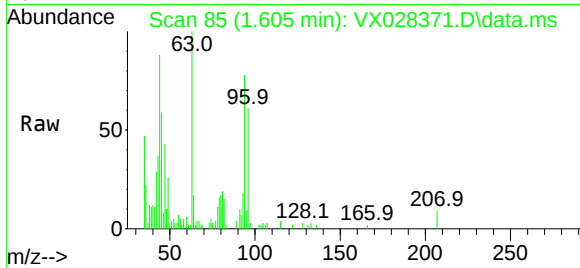




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

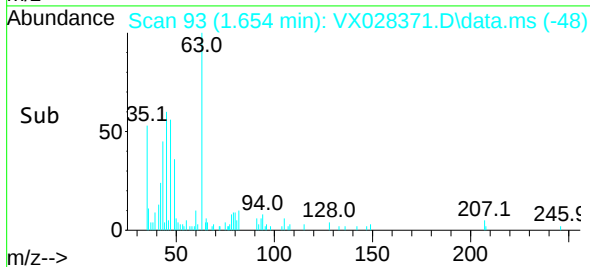
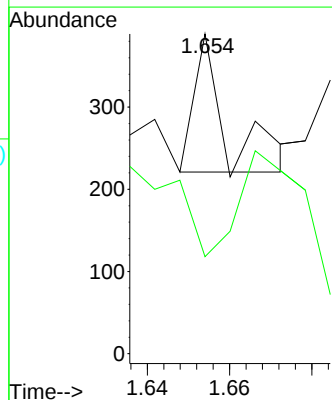
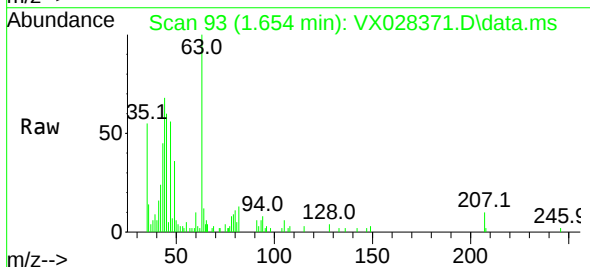
Instrument :
MSVOA_X
ClientSampleId :
1528

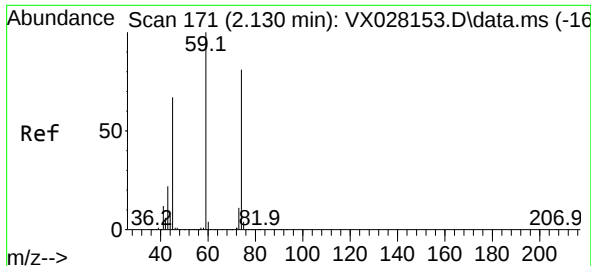
Tgt Ion: 94 Resp: 3152
Ion Ratio Lower Upper
94 100
96 78.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

Tgt Ion: 64 Resp: 94
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9

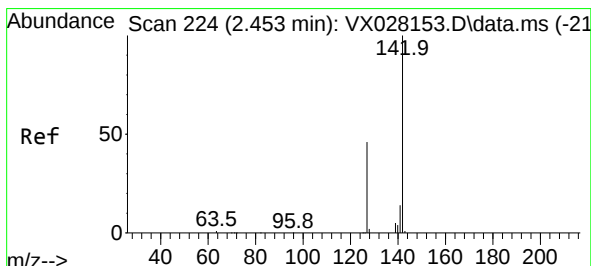
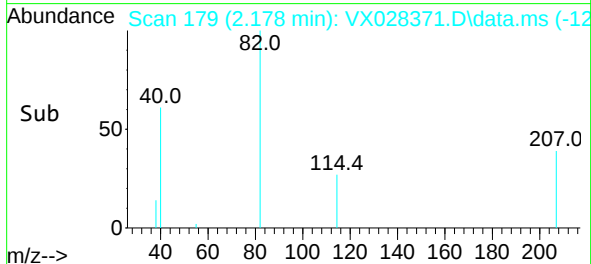
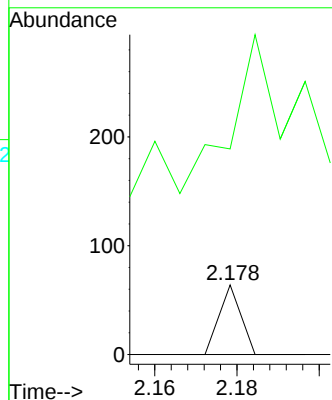
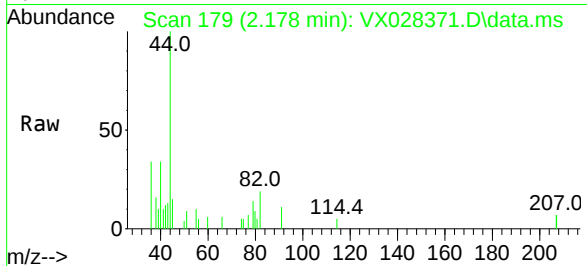




#8
Diethyl Ether
Concen: Below Cal
RT: 2.178 min Scan# 11
Delta R.T. 0.048 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

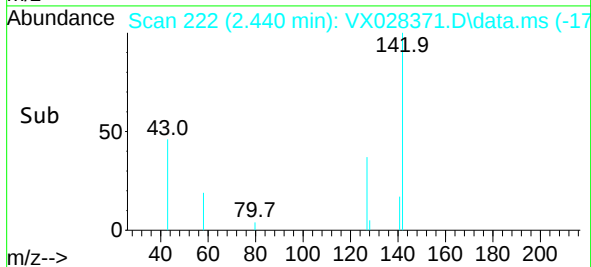
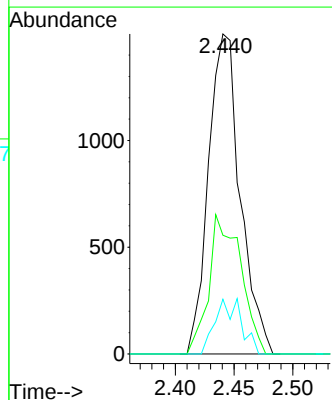
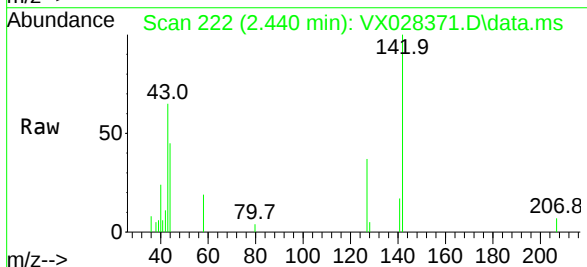
Instrument :
MSVOA_X
ClientSampleId :
1528

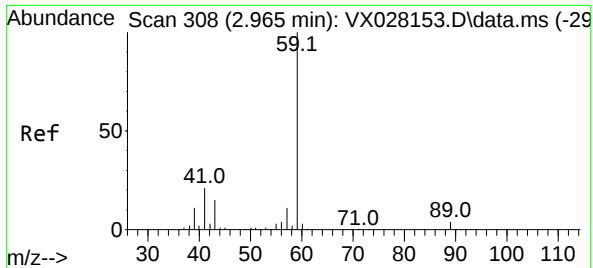
Tgt Ion: 74 Resp: 23
Ion Ratio Lower Upper
74 100
45 1265.2 42.0 126.0#



#10
Methyl Iodide
Concen: 5.696 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.013 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

Tgt Ion:142 Resp: 2814
Ion Ratio Lower Upper
142 100
127 43.7 33.9 50.9
141 14.1 11.4 17.2

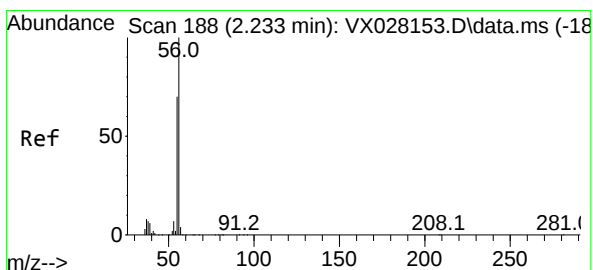
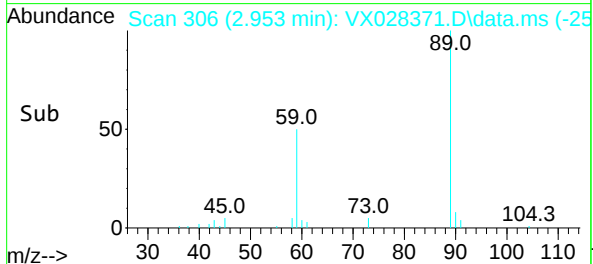
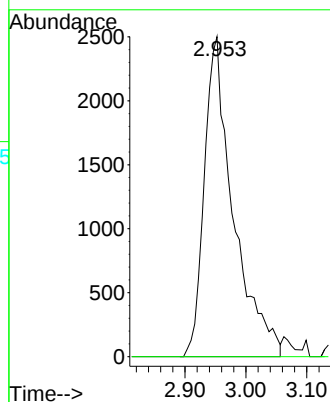
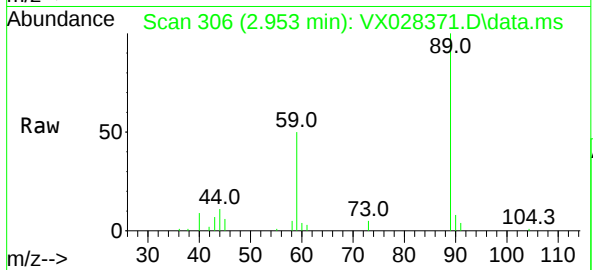




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

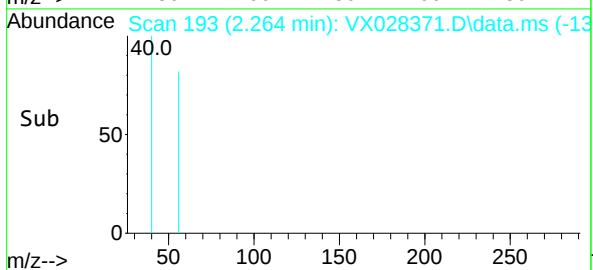
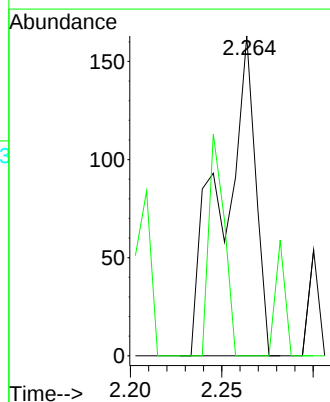
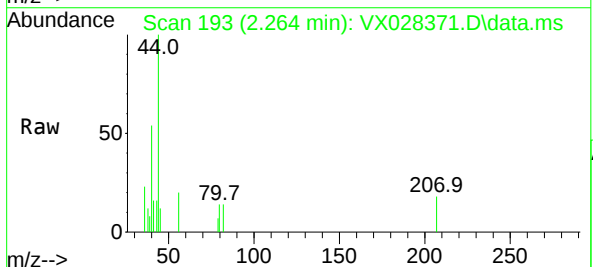
Instrument :
MSVOA_X
ClientSampleId :
1528

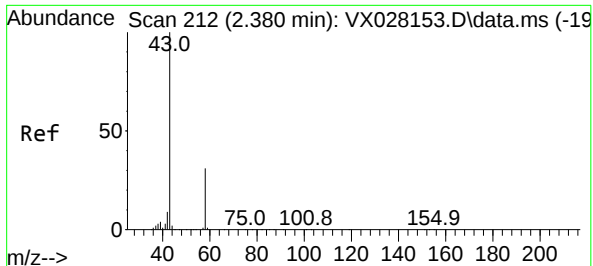
Tgt Ion: 59 Resp: 8252
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.262 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.031 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 10.7 55.0 82.6#





#16

Acetone

Concen: 0.735 ug/l

RT: 2.422 min Scan# 21

Delta R.T. 0.042 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

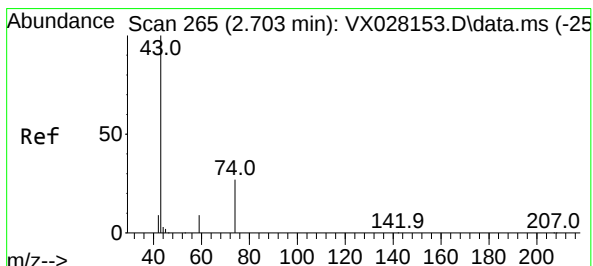
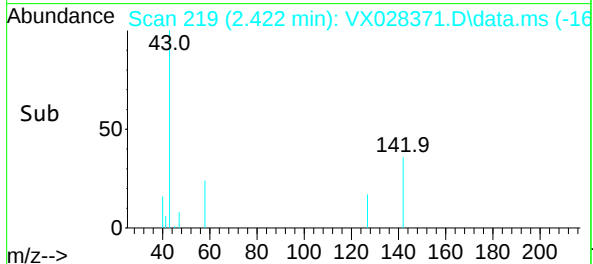
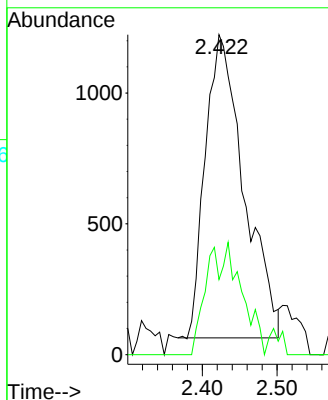
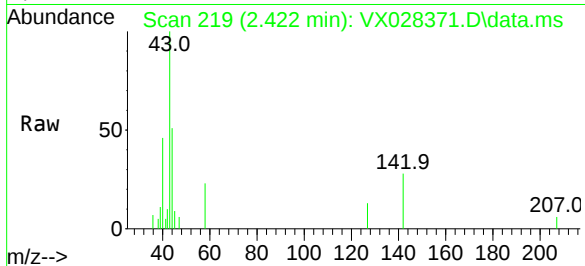
1528

Tgt Ion: 43 Resp: 4170

Ion Ratio Lower Upper

43 100

58 24.8 28.8 43.2#



#18

Methyl Acetate

Concen: 0.520 ug/l

RT: 2.733 min Scan# 270

Delta R.T. 0.030 min

Lab File: VX028371.D

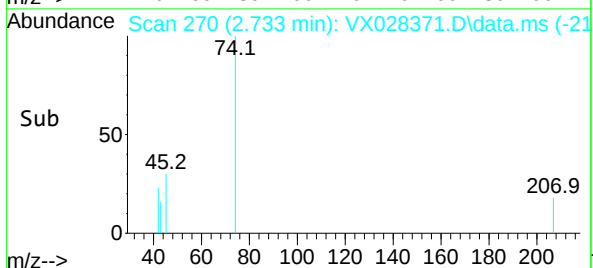
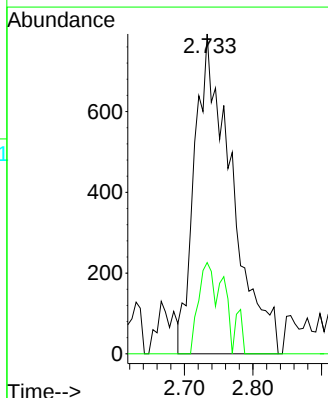
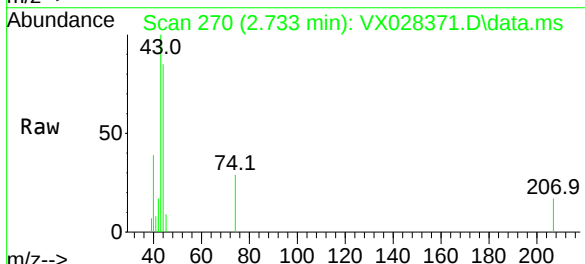
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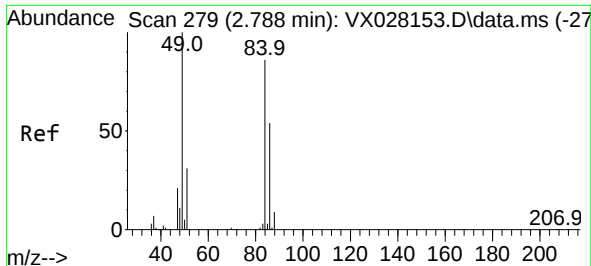
Tgt Ion: 43 Resp: 2967

Ion Ratio Lower Upper

43 100

74 12.0 22.8 34.2#





#20

Methylene Chloride

Concen: 0.712 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX028371.D

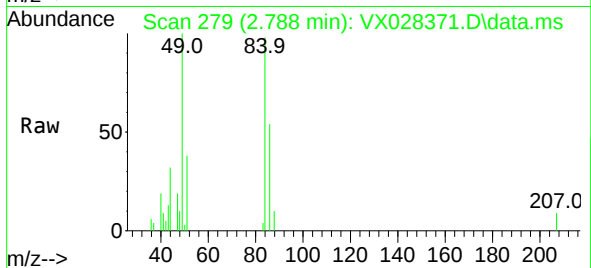
Acq: 27 Apr 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

1528



Tgt Ion: 84 Resp: 3390

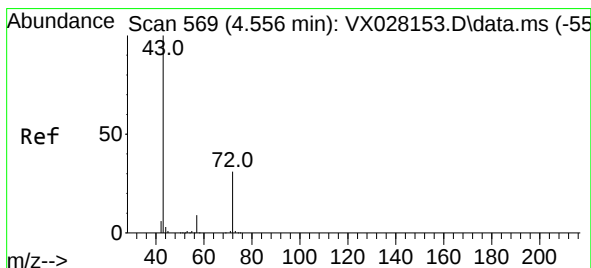
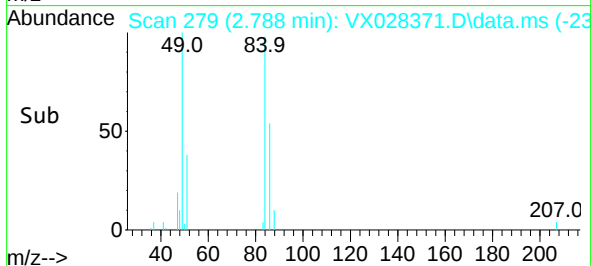
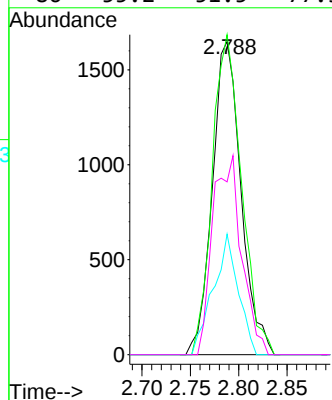
Ion Ratio Lower Upper

84 100

49 102.2 85.5 128.3

51 38.4 26.6 39.8

86 55.2 51.5 77.3



#25

2-Butanone

Concen: 6.698 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.049 min

Lab File: VX028371.D

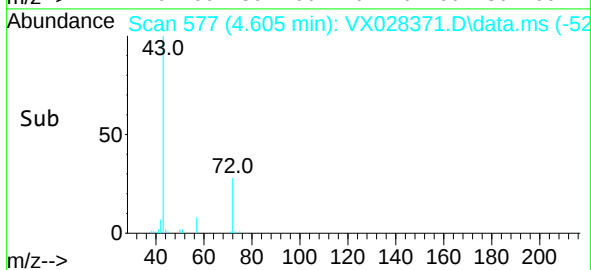
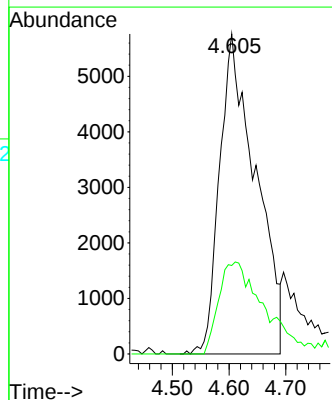
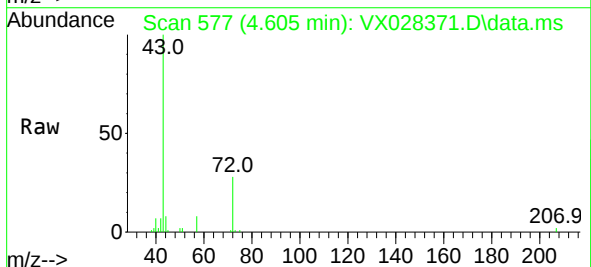
Acq: 27 Apr 2022 12:27

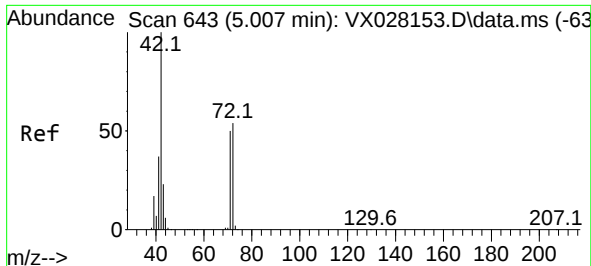
Tgt Ion: 43 Resp: 25468

Ion Ratio Lower Upper

43 100

72 27.7 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.903 ug/l

RT: 5.074 min Scan# 61

Delta R.T. 0.067 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

1528

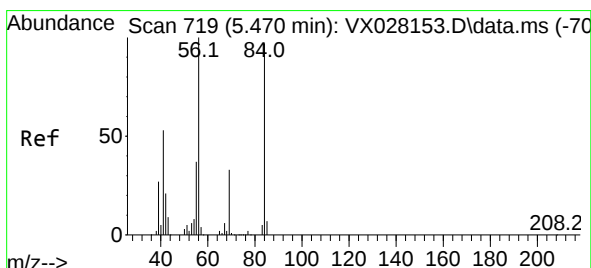
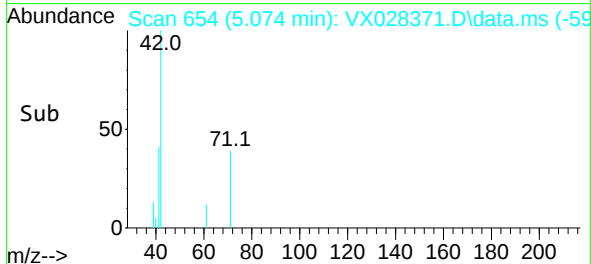
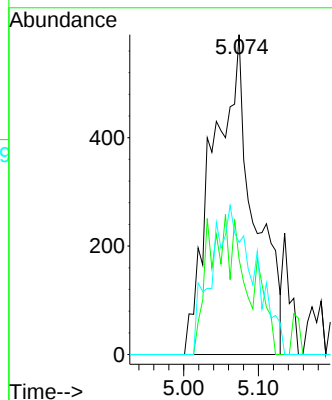
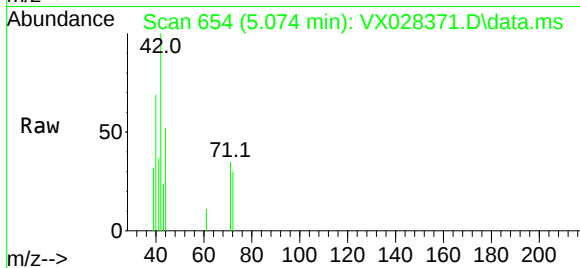
Tgt Ion: 42 Resp: 2238

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 48.5 40.5 60.7



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.074 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

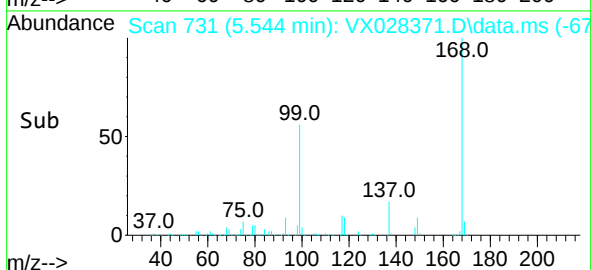
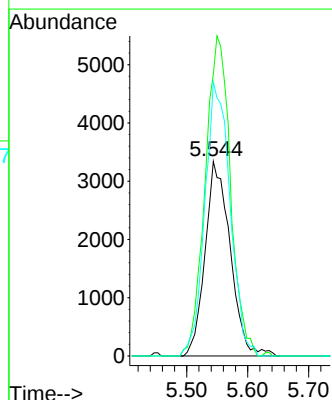
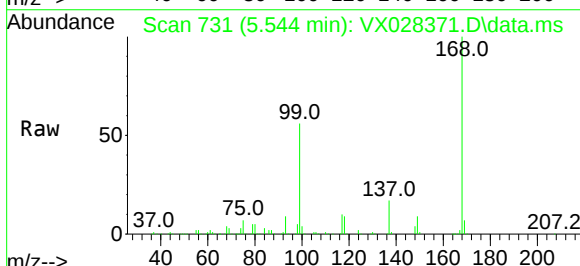
Tgt Ion: 56 Resp: 9549

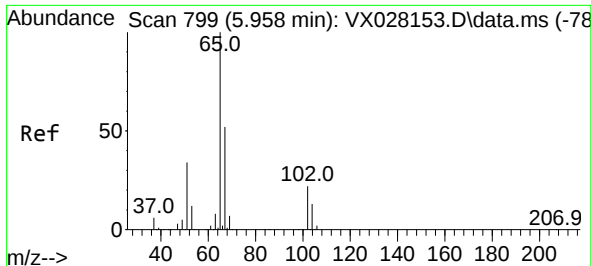
Ion Ratio Lower Upper

56 100

69 144.6 26.7 40.1#

84 140.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 41.859 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

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ClientSampleId :

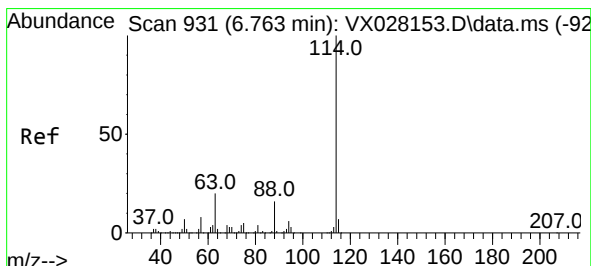
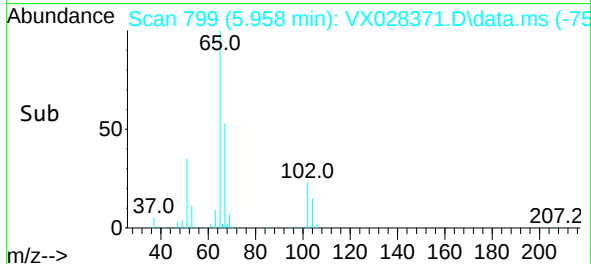
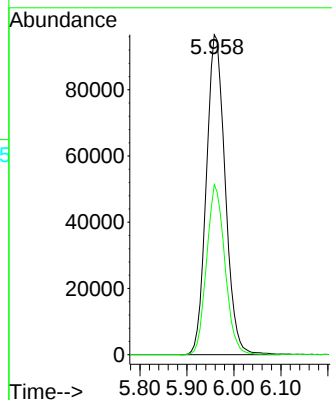
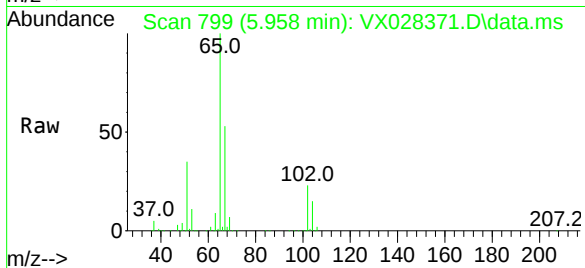
1528

Tgt Ion: 65 Resp: 268748

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

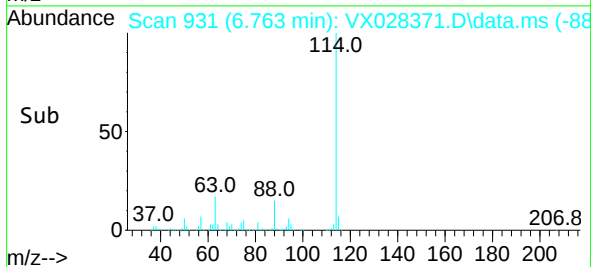
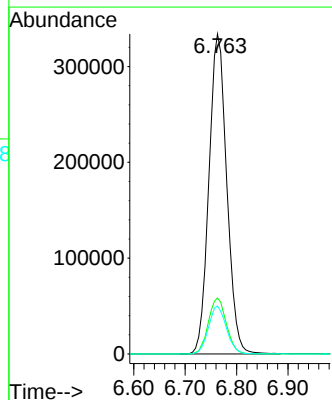
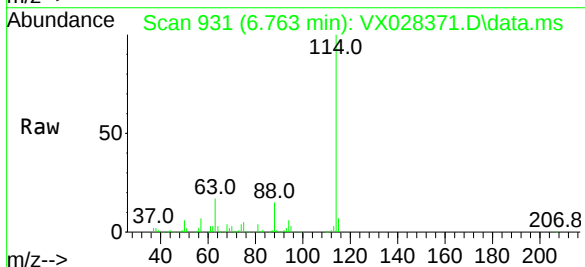
Tgt Ion: 114 Resp: 804846

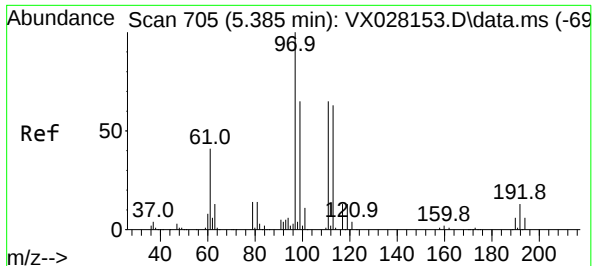
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

88 15.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 43.182 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

1528

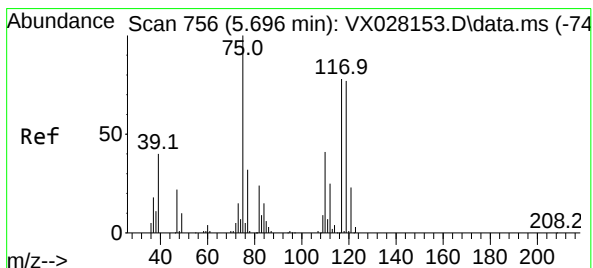
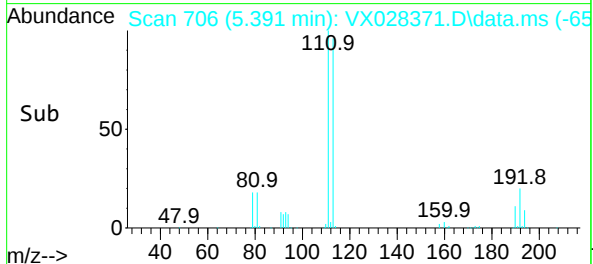
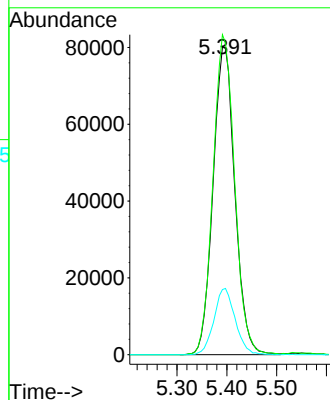
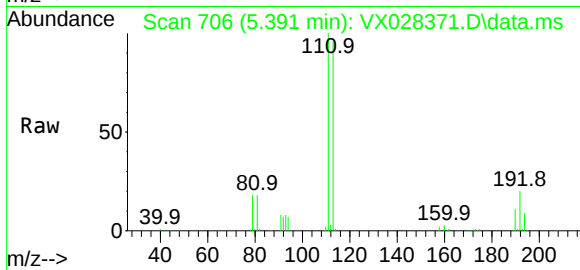
Tgt Ion:113 Resp: 243731

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 20.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.656 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

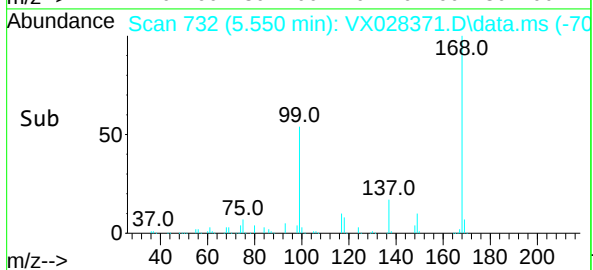
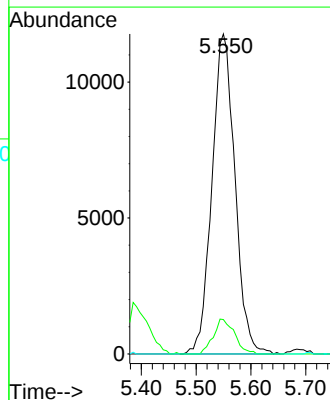
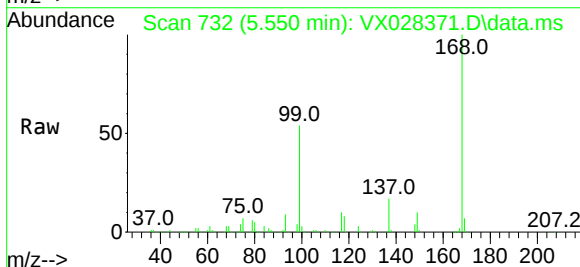
Tgt Ion: 75 Resp: 34279

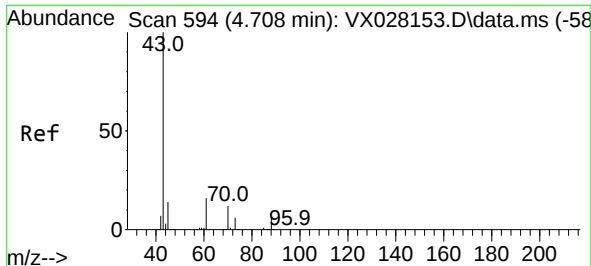
Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 3.409 ug/l

RT: 4.605 min Scan# 51

Delta R.T. -0.103 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

1528

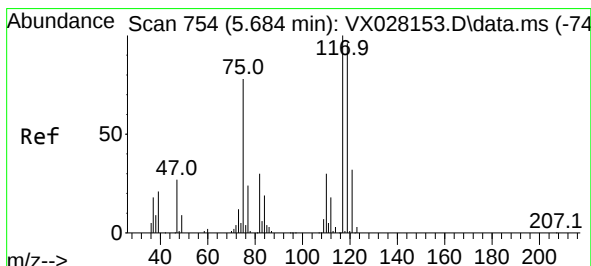
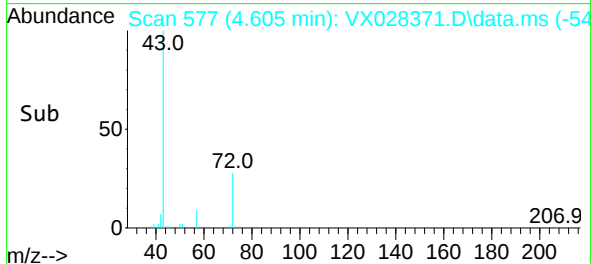
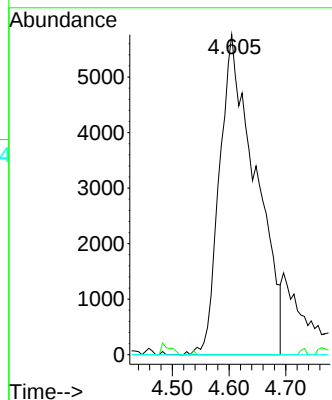
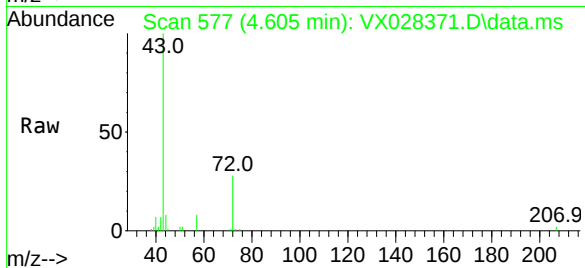
Tgt Ion: 43 Resp: 25468

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.807 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

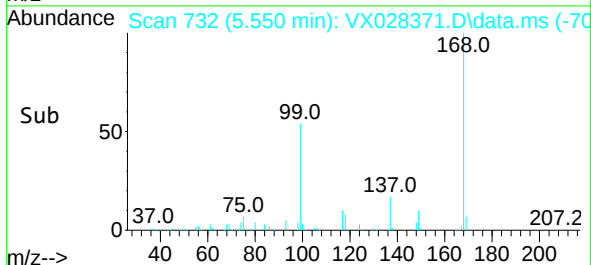
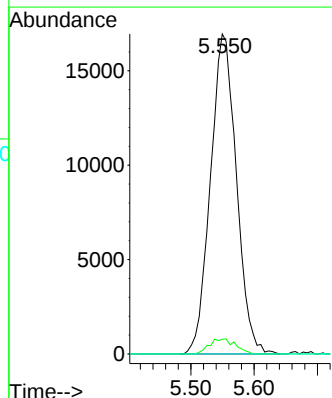
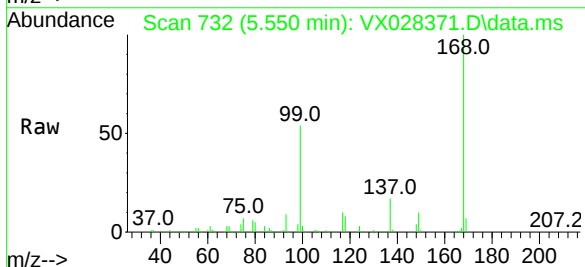
Tgt Ion: 117 Resp: 48268

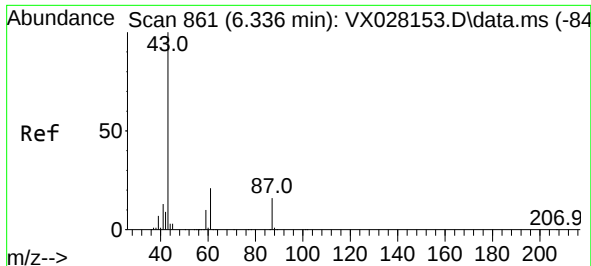
Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 0.471 ug/l

RT: 6.367 min Scan# 861

Delta R.T. 0.031 min

Lab File: VX028371.D

Acq: 27 Apr 2022 12:27

Instrument :

MSVOA_X

ClientSampleId :

1528

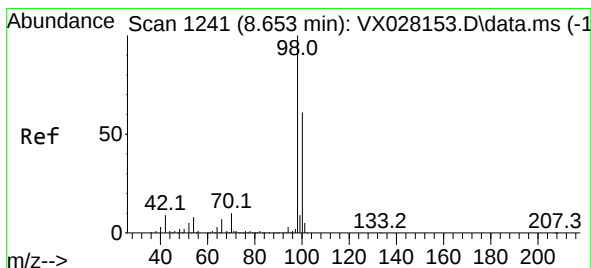
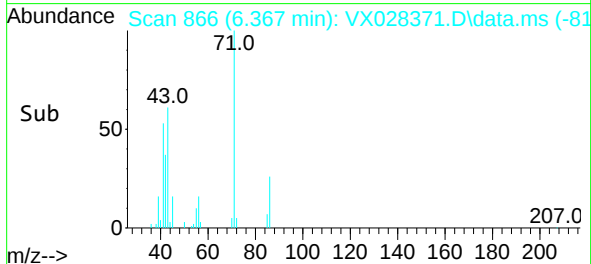
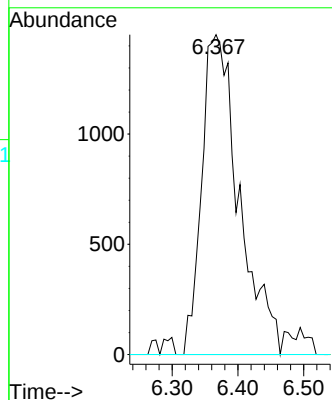
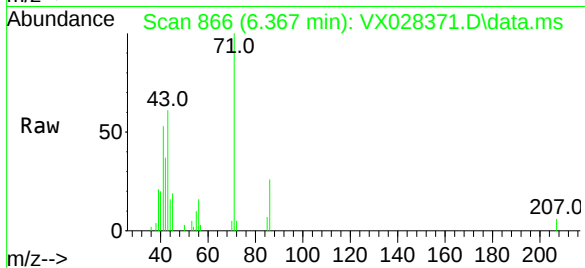
Tgt Ion: 43 Resp: 5724

Ion Ratio Lower Upper

43 100

61 0.0 18.5 27.7#

87 0.0 13.0 19.6#



#50

Toluene-d8

Concen: 42.416 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028371.D

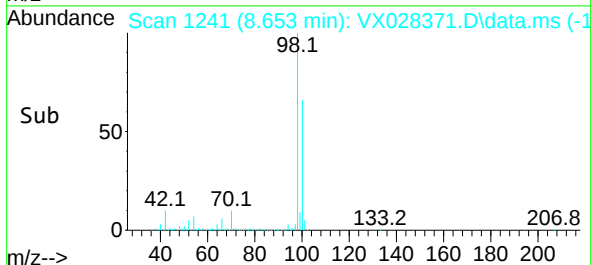
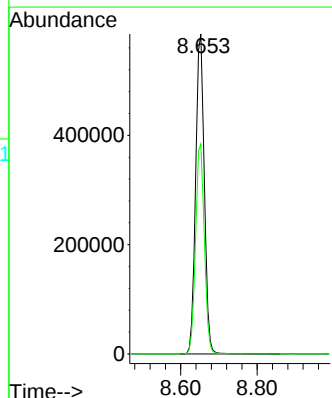
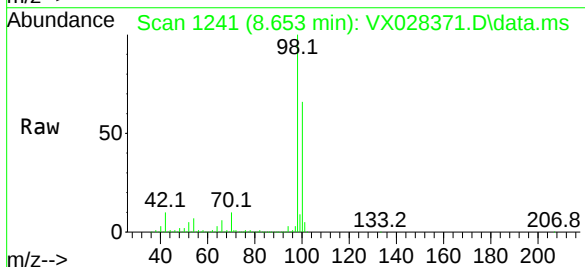
Acq: 27 Apr 2022 12:27

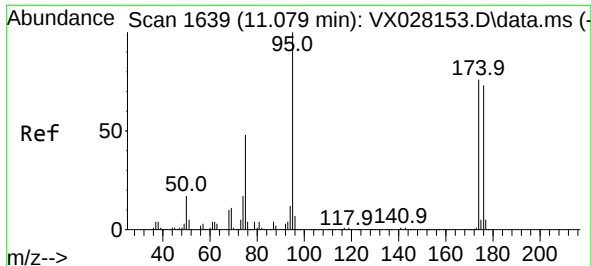
Tgt Ion: 98 Resp: 919518

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8

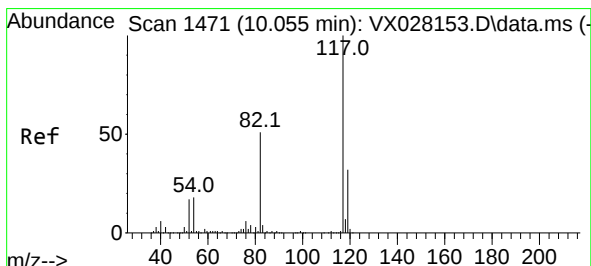
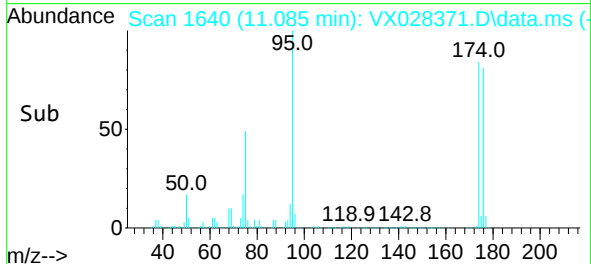
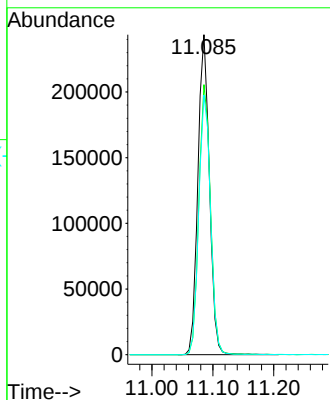
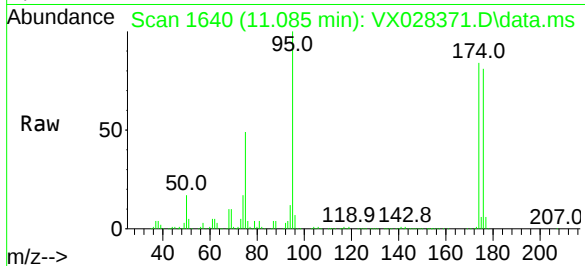




#62
4-Bromofluorobenzene
Concen: 38.505 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

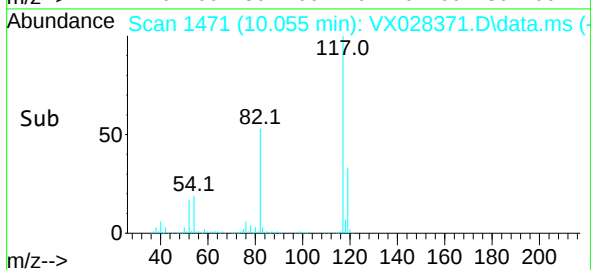
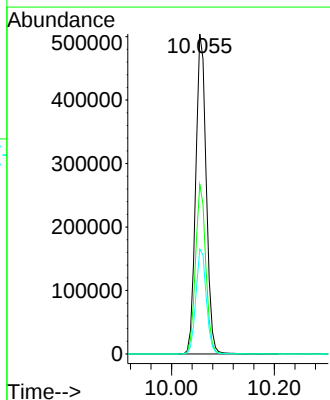
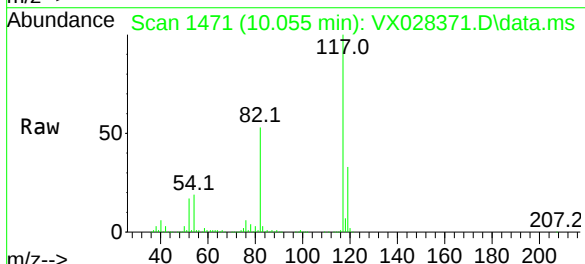
Instrument :
MSVOA_X
ClientSampleId :
1528

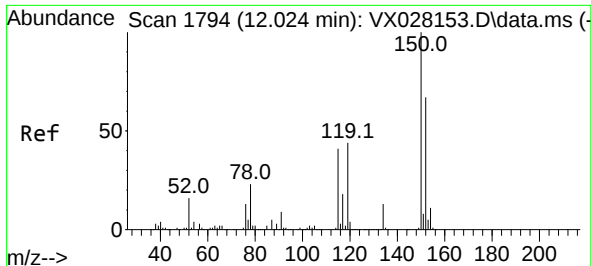
Tgt Ion: 95 Resp: 319170
Ion Ratio Lower Upper
95 100
174 85.4 0.0 163.0
176 83.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

Tgt Ion: 117 Resp: 715657
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.7 24.8 37.2

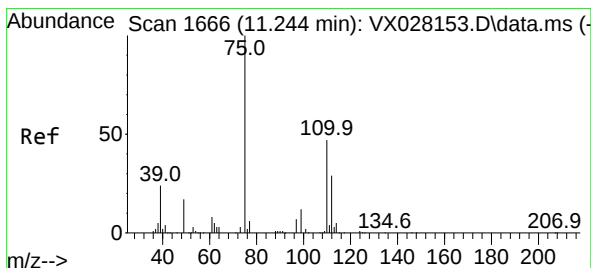
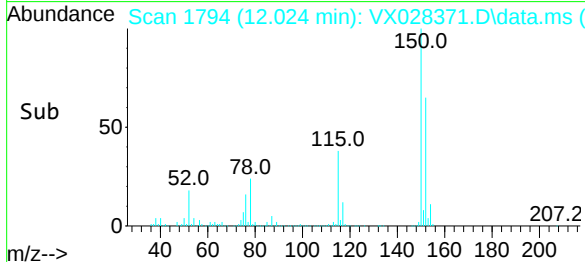
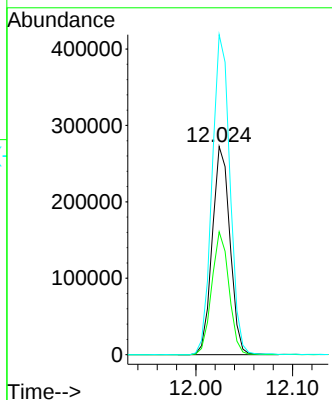
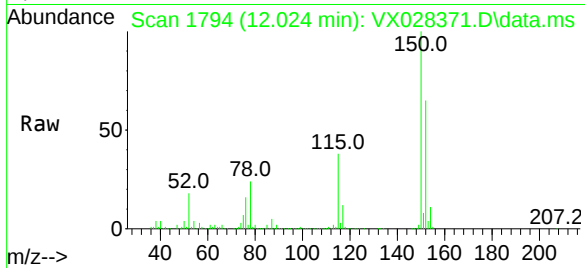




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028371.D
 Acq: 27 Apr 2022 12:27

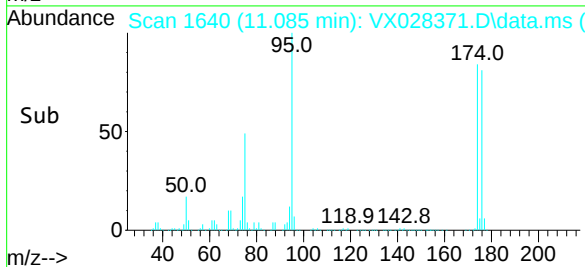
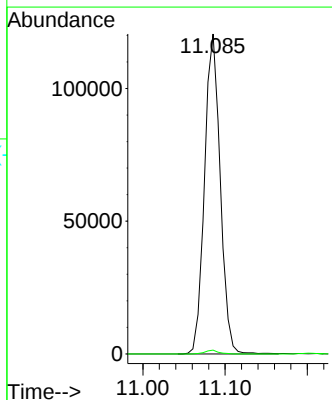
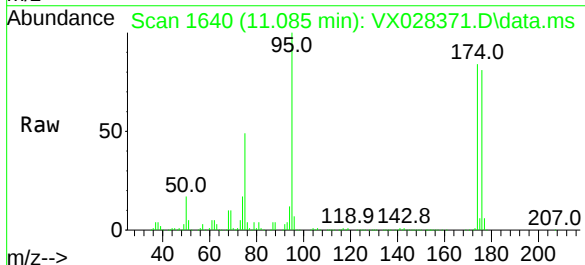
Instrument :
 MSVOA_X
 ClientSampleId :
 1528

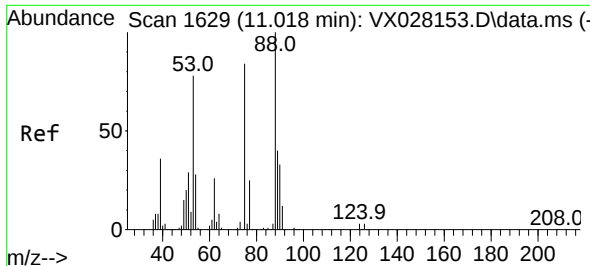
Tgt Ion:152 Resp: 346366
 Ion Ratio Lower Upper
 152 100
 115 57.5 37.5 112.7
 150 155.0 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.465 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX028371.D
 Acq: 27 Apr 2022 12:27

Tgt Ion: 75 Resp: 159953
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#

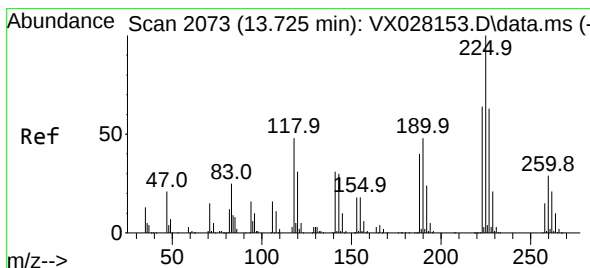
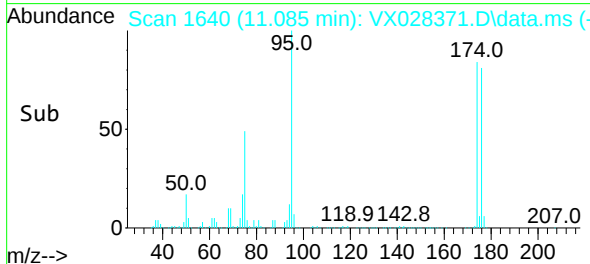
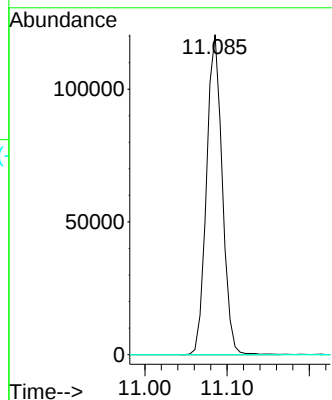
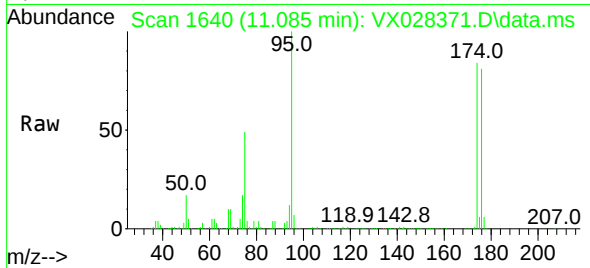




#81
trans-1,4-Dichloro-2-butene
Concen: 69.731 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

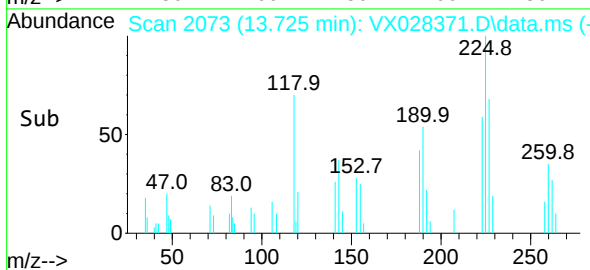
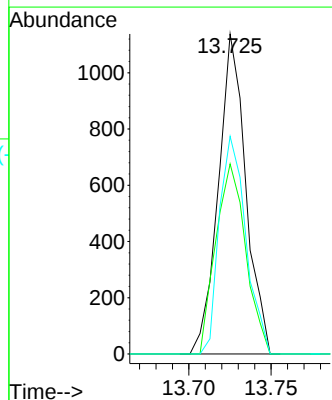
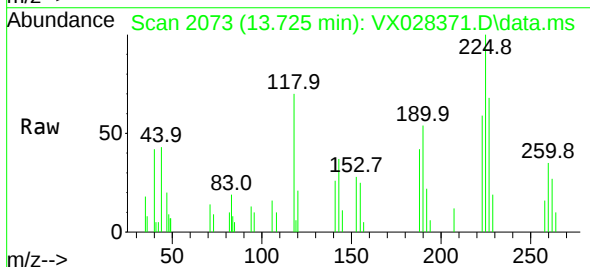
Instrument :
MSVOA_X
ClientSampleId :
1528

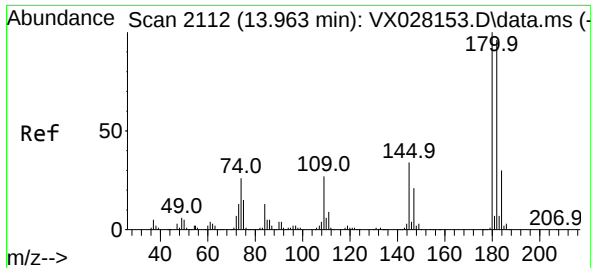
Tgt Ion: 75 Resp: 159953
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: 0.431 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028371.D
Acq: 27 Apr 2022 12:27

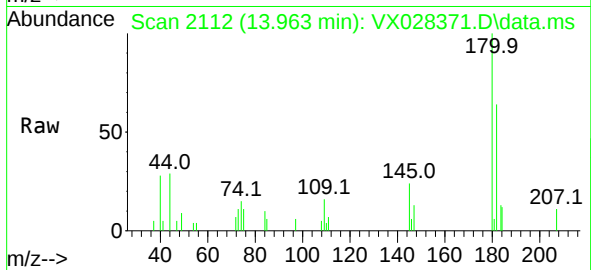
Tgt Ion: 225 Resp: 1323
Ion Ratio Lower Upper
225 100
223 64.6 34.2 102.5
227 65.8 33.9 101.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.232 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX028371.D
 Acq: 27 Apr 2022 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 1528



Tgt Ion:	180	Resp:	1566
Ion	Ratio	Lower	Upper
180	100		
182	83.1	50.0	149.8
145	27.2	16.2	48.5

