

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028149.D
 Acq On : 19 Apr 2022 10:46
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Apr 20 08:14:01 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

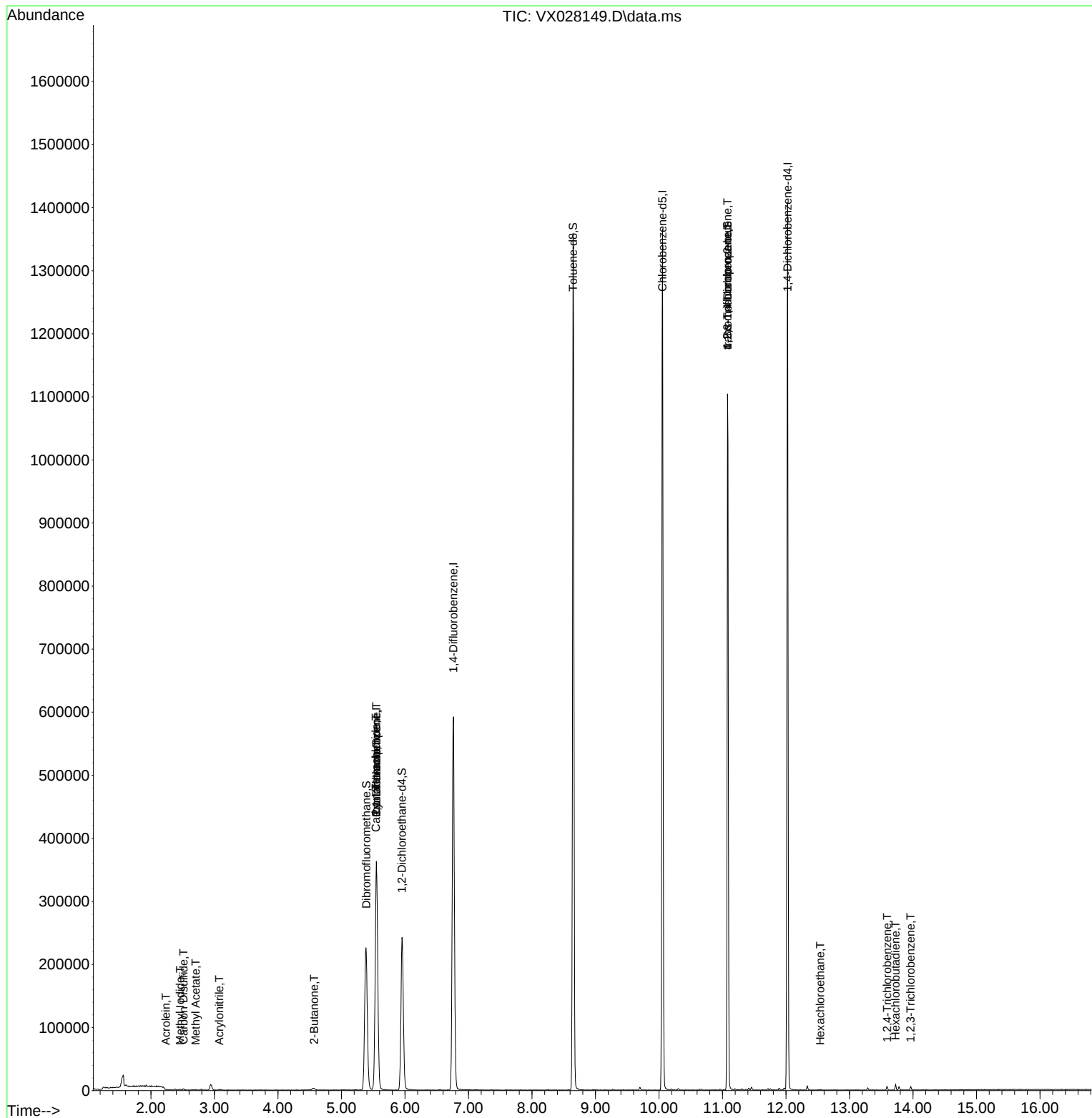
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	337251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	617401	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	611347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	283659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	230659	52.454	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.900%
35) Dibromofluoromethane	5.391	113	192897	44.551	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	89.100%
50) Toluene-d8	8.647	98	785274	47.221	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.440%
62) 4-Bromofluorobenzene	11.079	95	280118	44.054	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.100%
Target Compounds						Qvalue
3) Chloromethane	1.301	50	536	Below Cal		94
5) Bromomethane	1.605	94	1261	Below Cal	#	79
6) Chloroethane	1.697	64	1057	Below Cal	#	63
8) Diethyl Ether	2.166	74	23	Below Cal	#	1
10) Methyl Iodide	2.459	142	1291	5.544	ug/l #	87
11) Tert butyl alcohol	2.941	59	4941	Below Cal	#	75
13) Acrolein	2.233	56	157	0.291	ug/l #	7
15) Acrylonitrile	3.075	53	520	0.290	ug/l #	81
16) Acetone	2.380	43	1539	Below Cal	#	83
17) Carbon Disulfide	2.514	76	2242	0.321	ug/l #	93
18) Methyl Acetate	2.703	43	859	0.220	ug/l	90
25) 2-Butanone	4.568	43	581	0.223	ug/l #	44
31) Cyclohexane	5.550	56	7645	1.427	ug/l #	33
36) 1,1-Dichloropropene	5.550	75	26614	4.712	ug/l #	50
38) Carbon Tetrachloride	5.544	117	34466	5.406	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	147598	26.439	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	147598	78.570	ug/l #	15
90) Hexachloroethane	12.536	117	140	1.856	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	1574	0.279	ug/l	90
94) Hexachlorobutadiene	13.725	225	1237	0.492	ug/l	94
96) 1,2,3-Trichlorobenzene	13.963	180	1637	0.296	ug/l	90

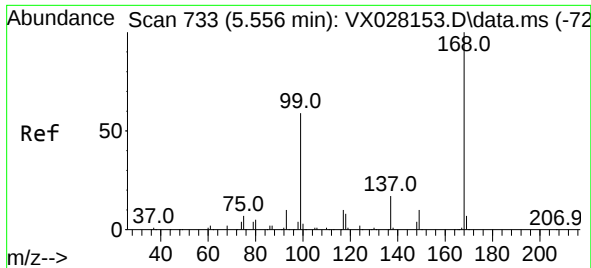
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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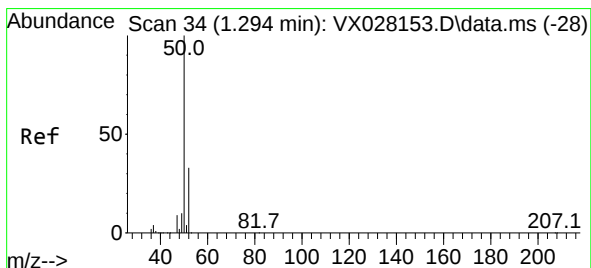
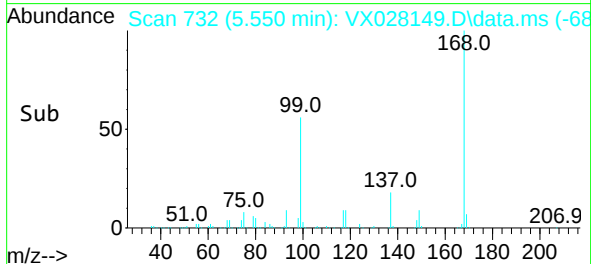
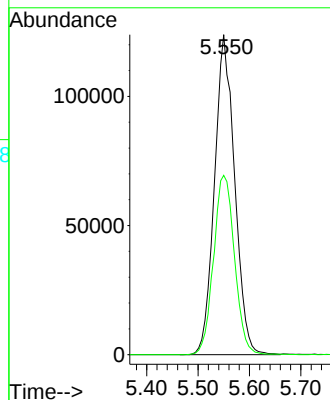
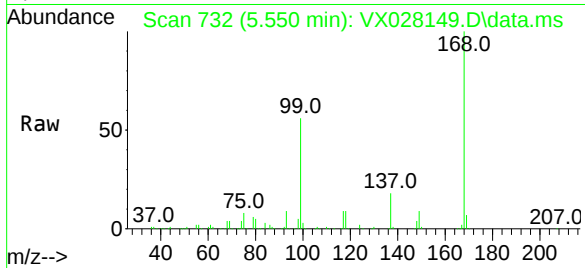




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

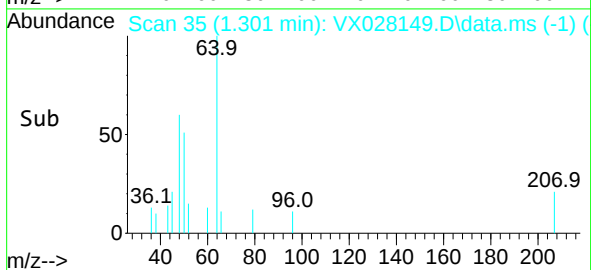
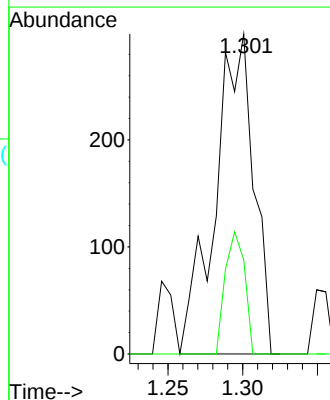
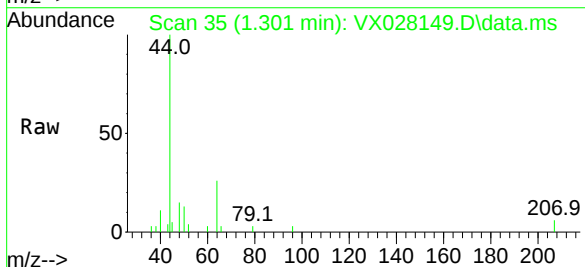
Instrument :
MSVOA_X
ClientSampleId :
IBLK

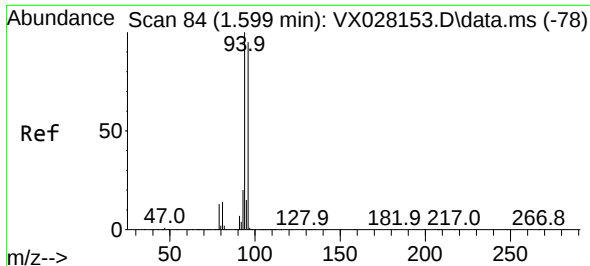
Tgt Ion:168 Resp: 337251
Ion Ratio Lower Upper
168 100
99 56.1 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

Tgt Ion: 50 Resp: 536
Ion Ratio Lower Upper
50 100
52 29.4 26.4 39.6

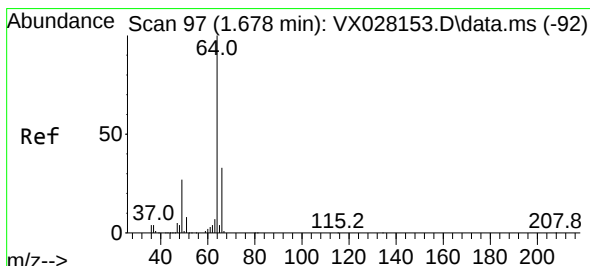
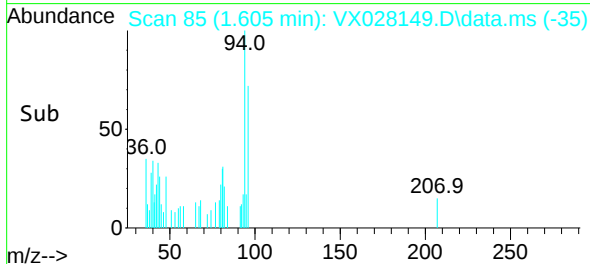
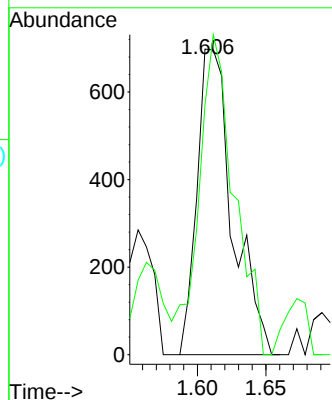
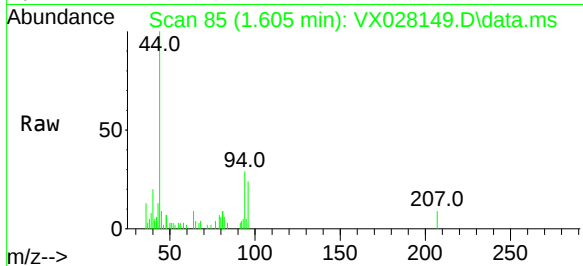




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

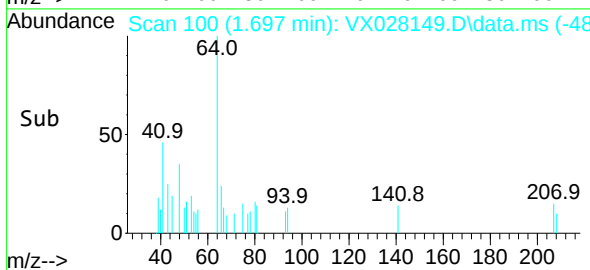
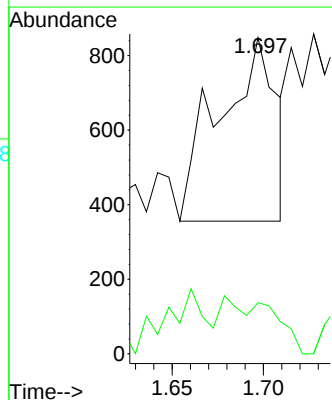
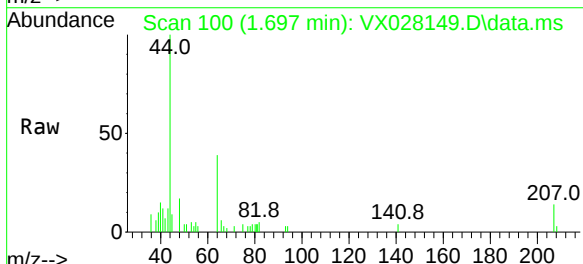
Instrument :
MSVOA_X
ClientSampleId :
IBLK

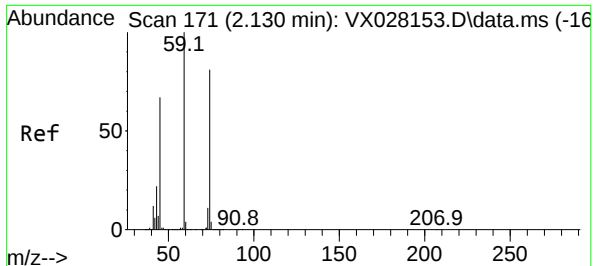
Tgt Ion: 94 Resp: 1261
Ion Ratio Lower Upper
94 100
96 73.5 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

Tgt Ion: 64 Resp: 1057
Ion Ratio Lower Upper
64 100
66 11.2 25.3 37.9#

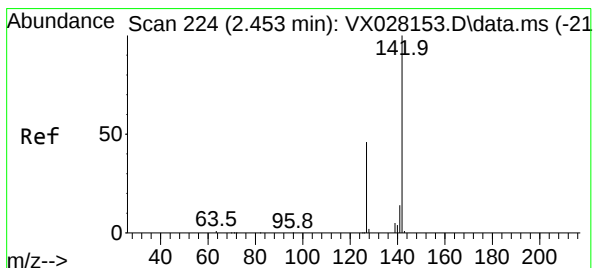
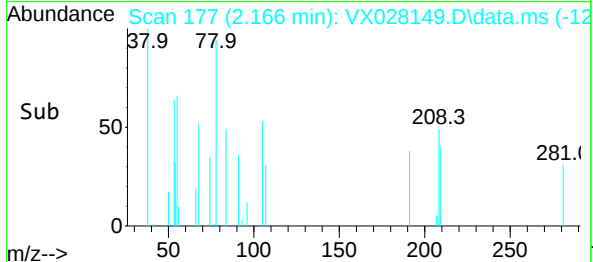
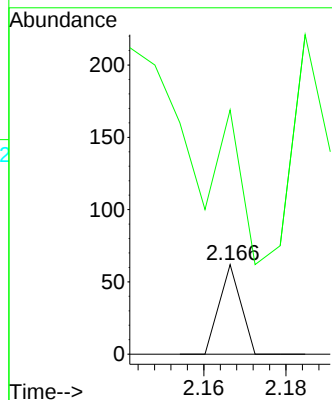
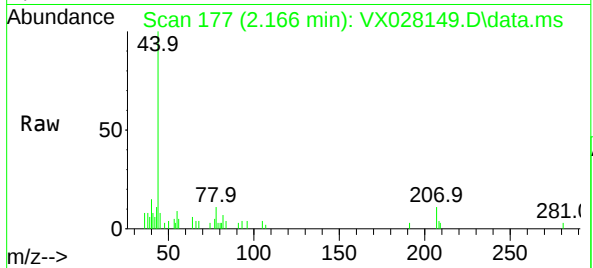




#8
Diethyl Ether
Concen: Below Cal
RT: 2.166 min Scan# 11
Delta R.T. 0.036 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

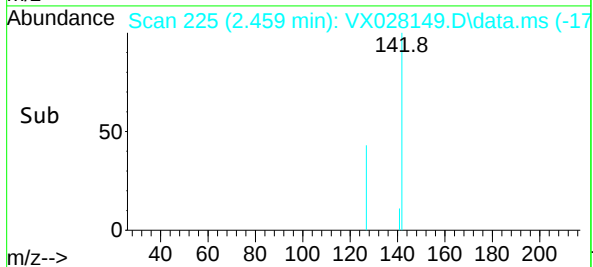
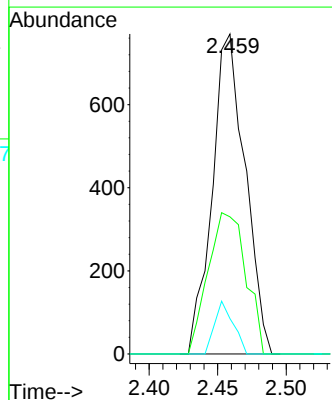
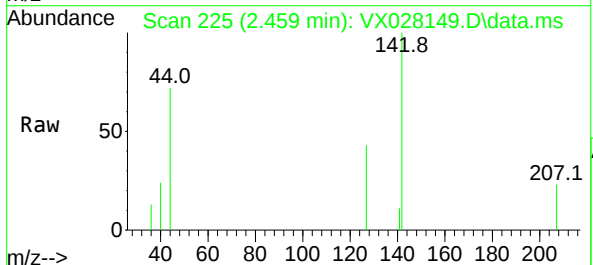
Instrument :
MSVOA_X
ClientSampleId :
IBLK

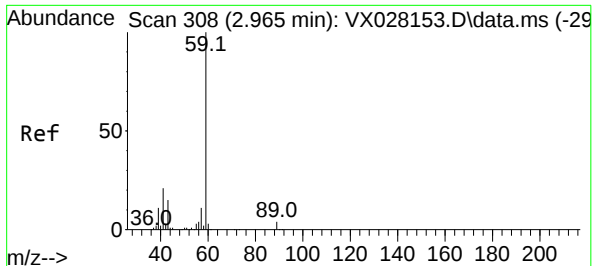
Tgt Ion: 74 Resp: 23
Ion Ratio Lower Upper
74 100
45 1621.7 42.0 126.0#



#10
Methyl Iodide
Concen: 5.544 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

Tgt Ion: 142 Resp: 1291
Ion Ratio Lower Upper
142 100
127 50.5 33.9 50.9
141 9.3 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 308

Delta R.T. -0.024 min

Lab File: VX028149.D

Acq: 19 Apr 2022 10:46

Instrument :

MSVOA_X

ClientSampleId :

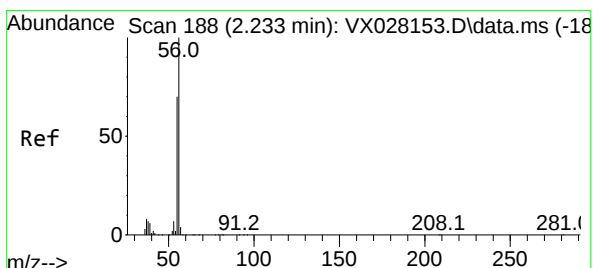
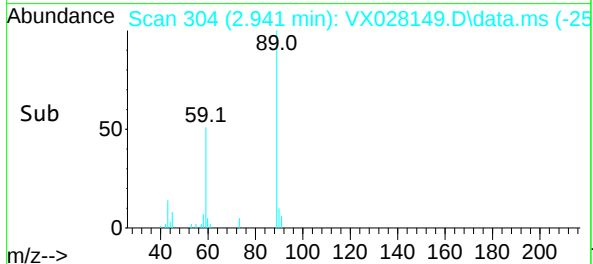
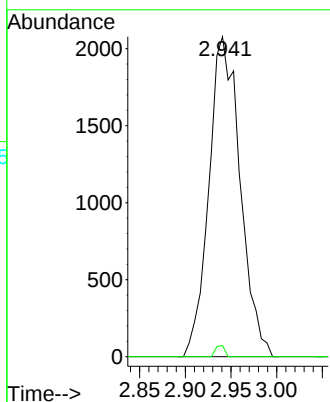
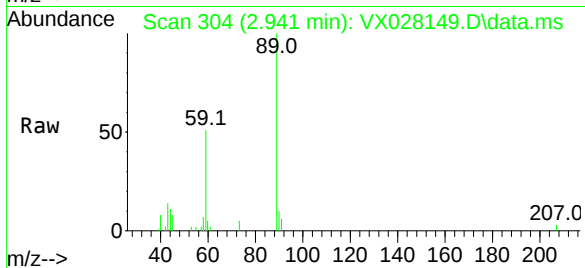
IBLK

Tgt Ion: 59 Resp: 4941

Ion Ratio Lower Upper

59 100

57 1.0 8.3 12.5#



#13

Acrolein

Concen: 0.291 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX028149.D

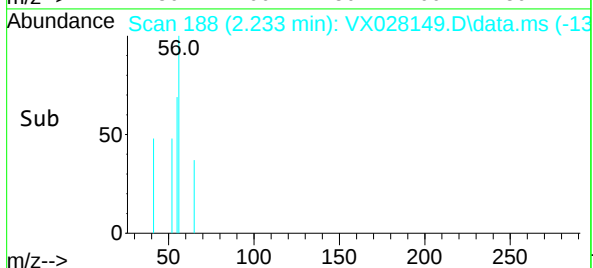
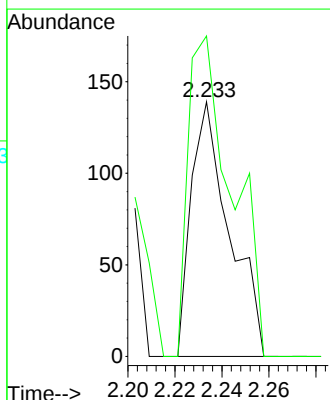
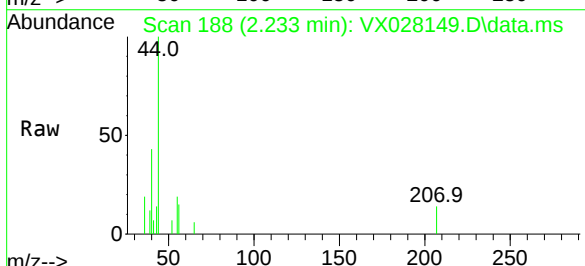
Acq: 19 Apr 2022 10:46

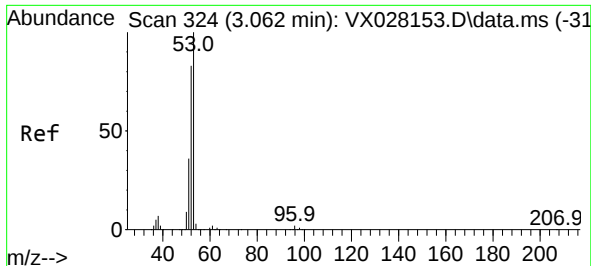
Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 144.6 55.0 82.6#

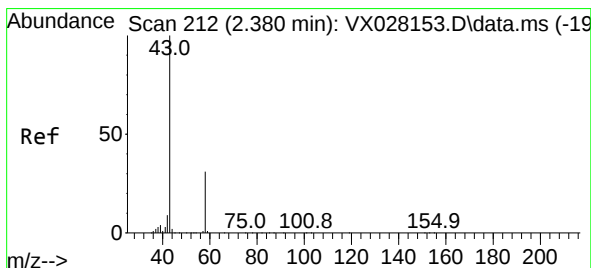
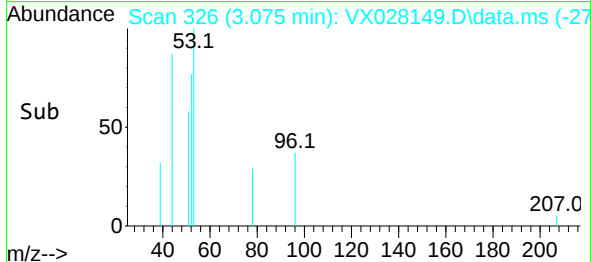
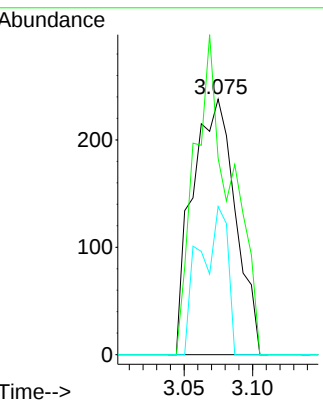
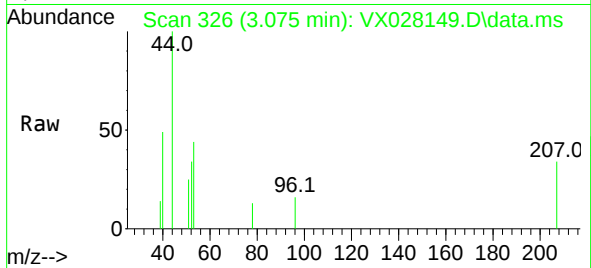




#15
Acrylonitrile
Concen: 0.290 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.013 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

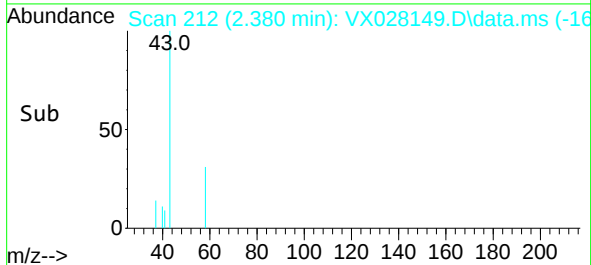
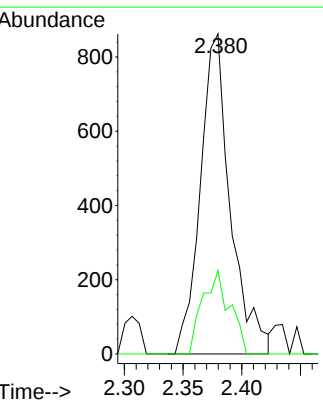
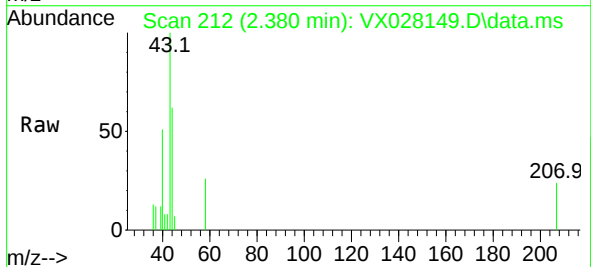
Instrument :
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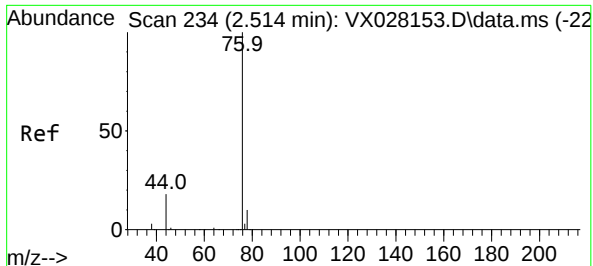
Tgt Ion: 53 Resp: 520
Ion Ratio Lower Upper
53 100
52 105.4 65.7 98.5#
51 37.5 28.4 42.6



#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

Tgt Ion: 43 Resp: 1539
Ion Ratio Lower Upper
43 100
58 26.1 28.8 43.2#

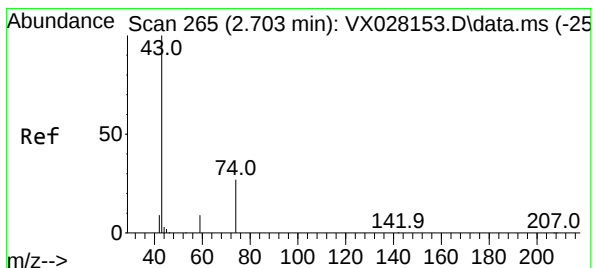
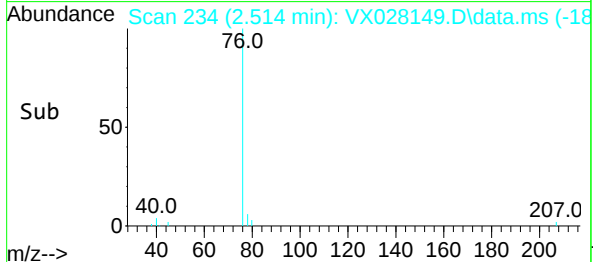
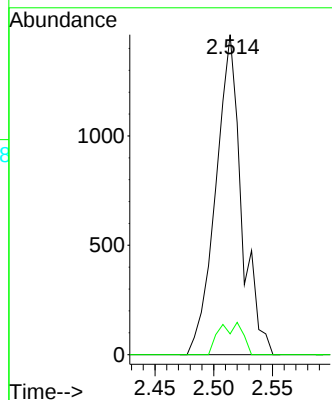
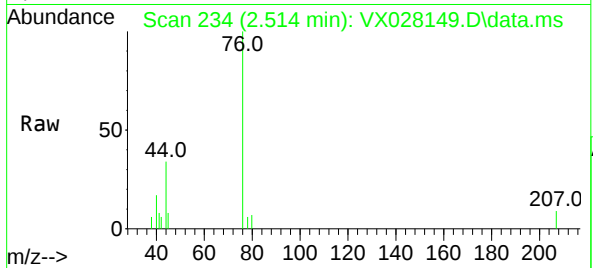




#17
Carbon Disulfide
Concen: 0.321 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

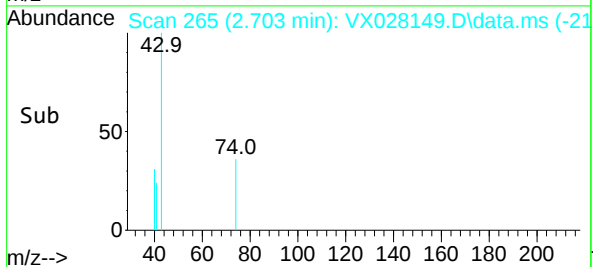
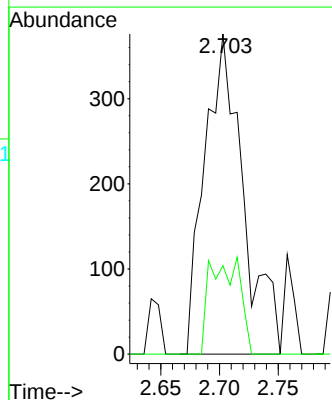
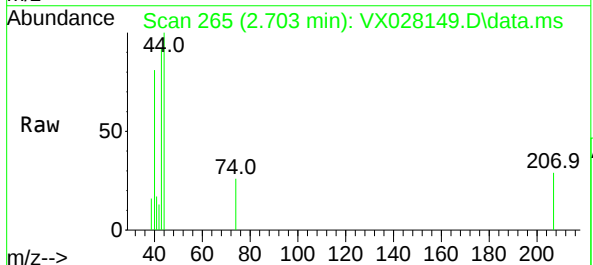
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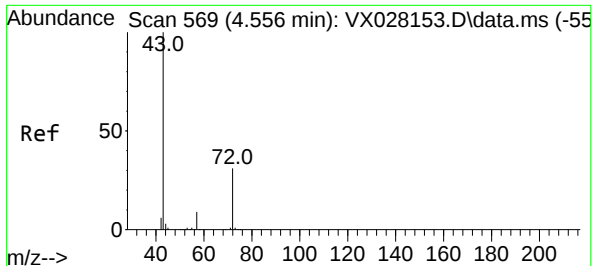
Tgt Ion: 76 Resp: 2242
Ion Ratio Lower Upper
76 100
78 6.5 7.2 10.8#



#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

Tgt Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
74 23.4 22.8 34.2





#25

2-Butanone

Concen: 0.223 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028149.D

Acq: 19 Apr 2022 10:46

Instrument :

MSVOA_X

ClientSampleId :

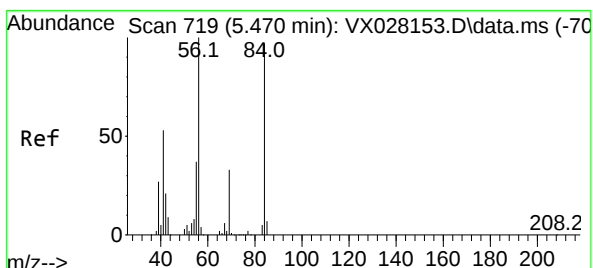
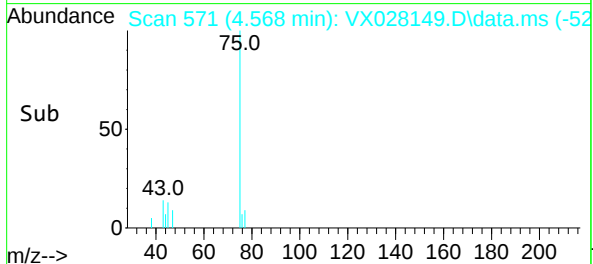
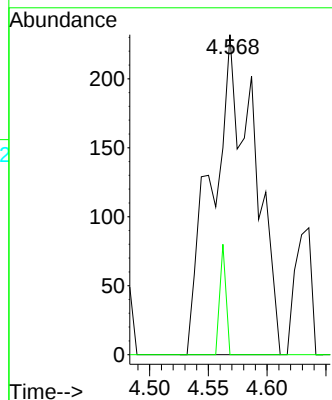
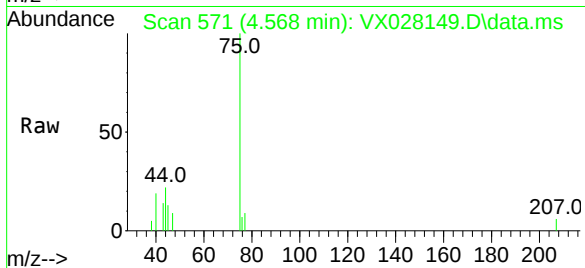
IBLK

Tgt Ion: 43 Resp: 581

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#



#31

Cyclohexane

Concen: 1.427 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028149.D

Acq: 19 Apr 2022 10:46

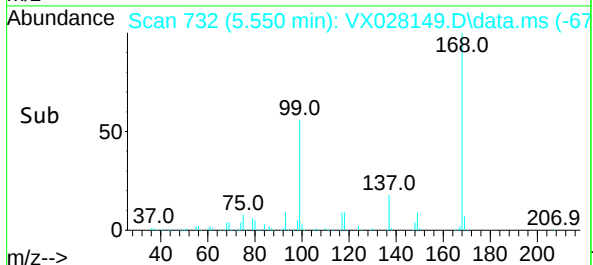
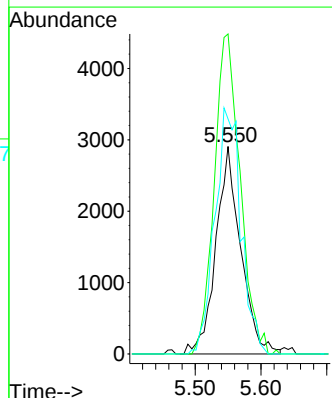
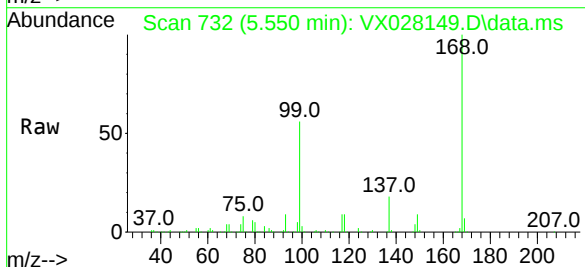
Tgt Ion: 56 Resp: 7645

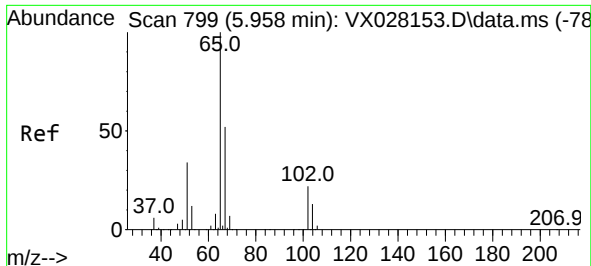
Ion Ratio Lower Upper

56 100

69 154.2 26.7 40.1#

84 113.2 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 52.454 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX028149.D

Acq: 19 Apr 2022 10:46

Instrument :

MSVOA_X

ClientSampleId :

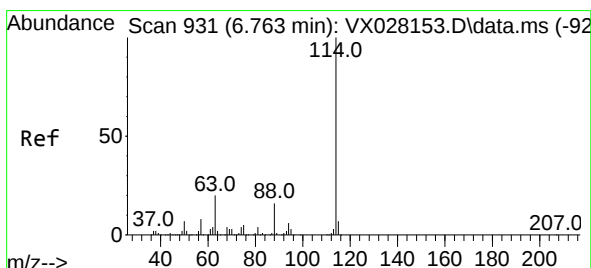
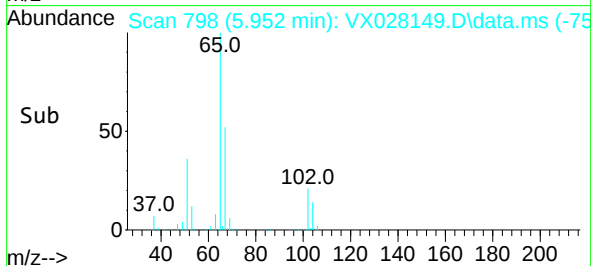
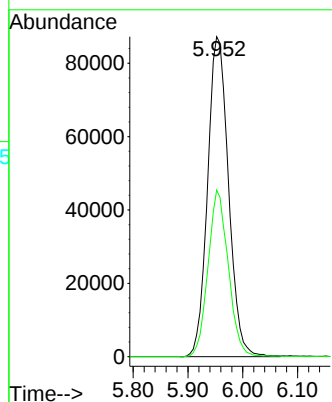
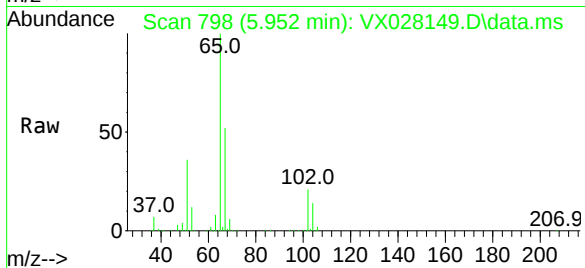
IBLK

Tgt Ion: 65 Resp: 230659

Ion Ratio Lower Upper

65 100

67 50.5 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: VX028149.D

Acq: 19 Apr 2022 10:46

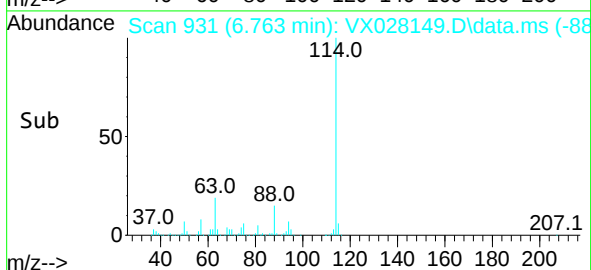
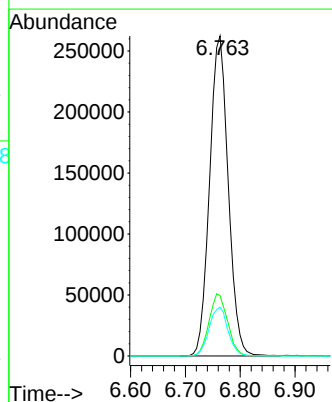
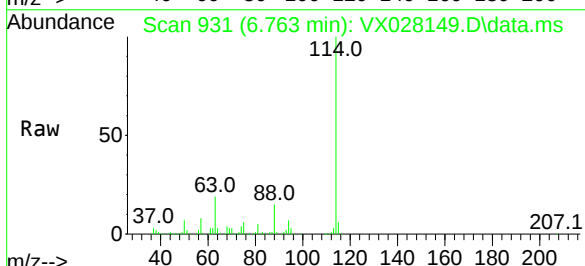
Tgt Ion: 114 Resp: 617401

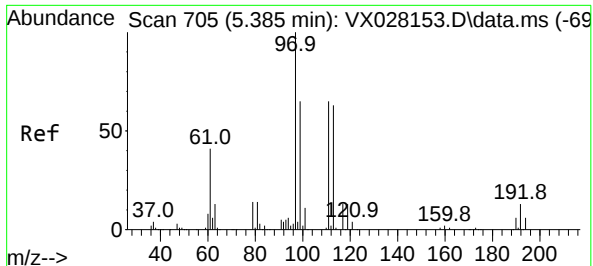
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

88 15.3 0.0 32.4

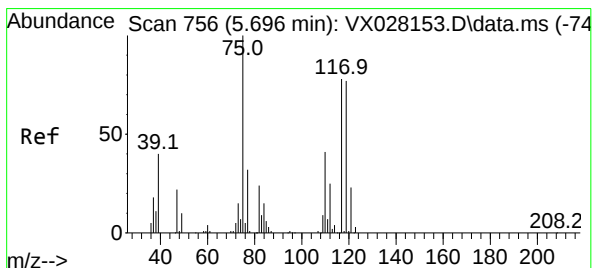
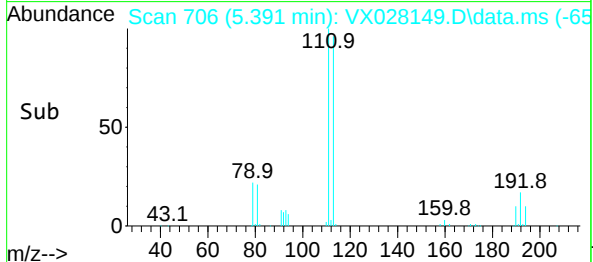
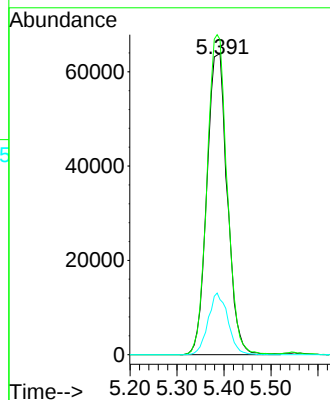
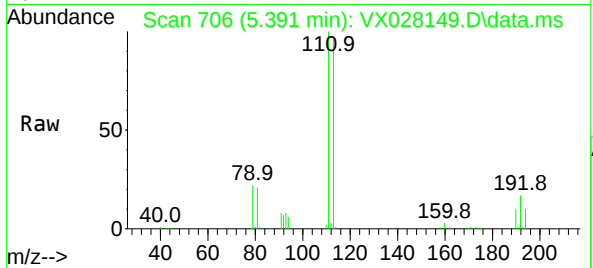




#35
Dibromofluoromethane
Concen: 44.551 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

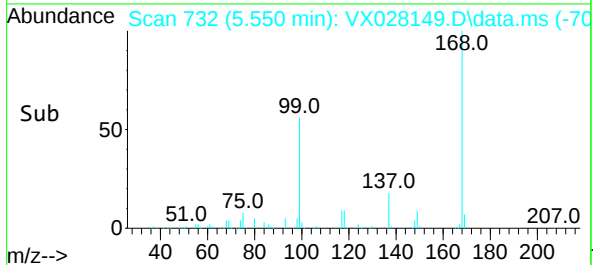
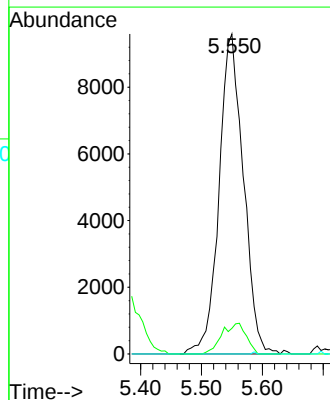
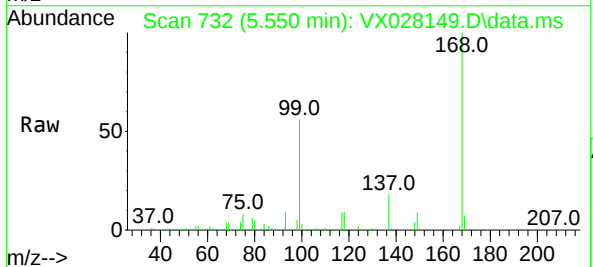
Instrument :
MSVOA_X
ClientSampleId :
IBLK

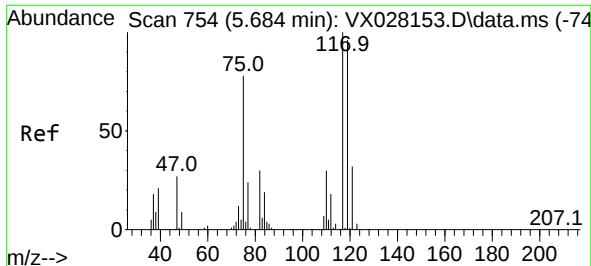
Tgt Ion:113 Resp: 192897
Ion Ratio Lower Upper
113 100
111 104.4 82.8 124.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.712 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

Tgt Ion: 75 Resp: 26614
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 24.8 37.2#

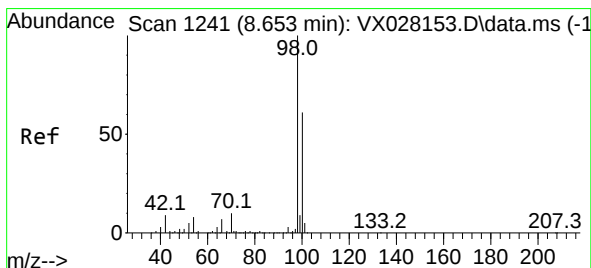
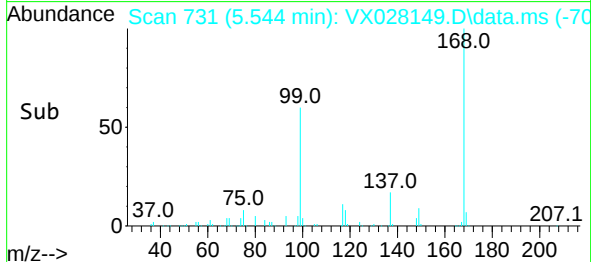
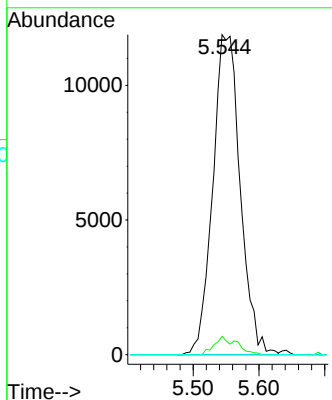
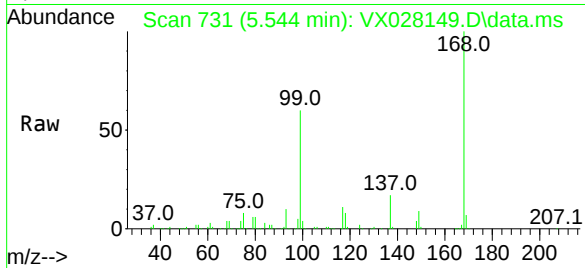




#38
Carbon Tetrachloride
Concen: 5.406 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

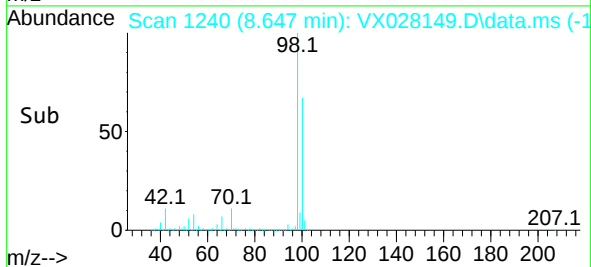
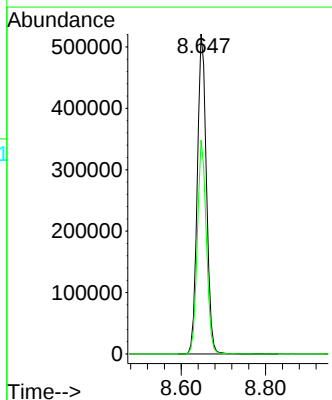
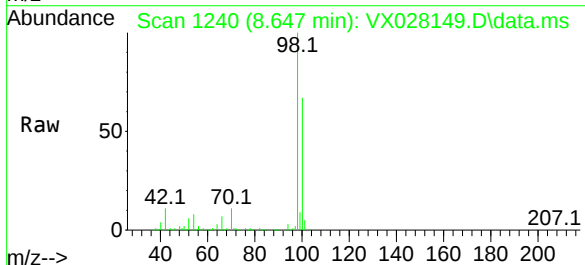
Instrument :
MSVOA_X
ClientSampleId :
IBLK

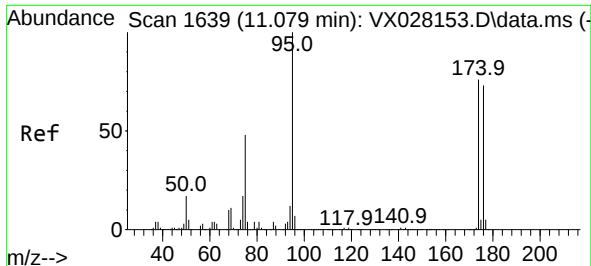
Tgt Ion:117 Resp: 34466
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.221 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

Tgt Ion: 98 Resp: 785274
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

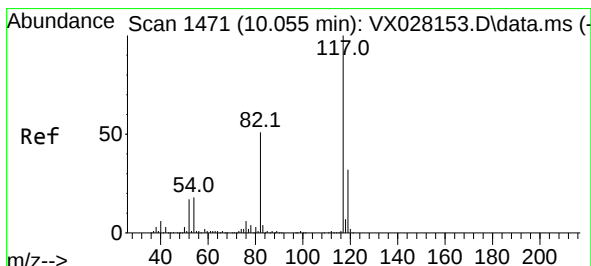
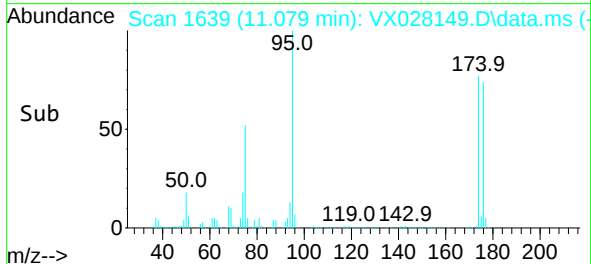
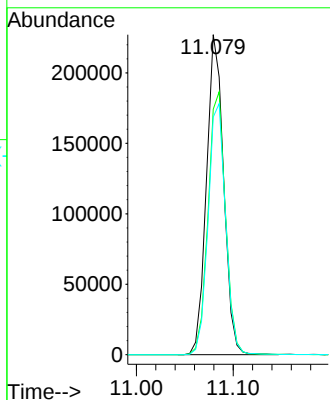
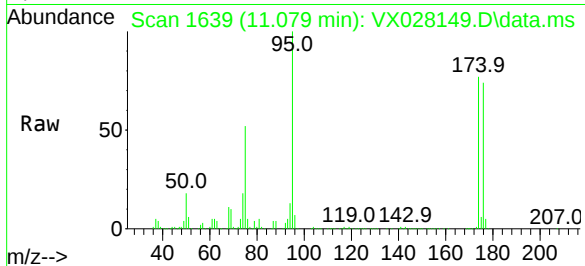




#62
4-Bromofluorobenzene
Concen: 44.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

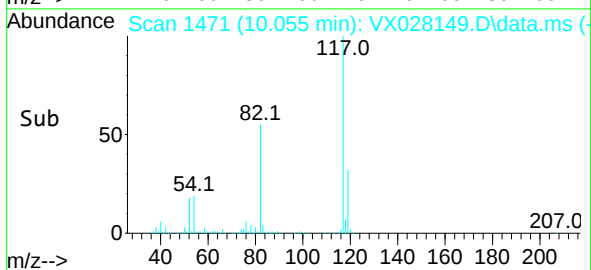
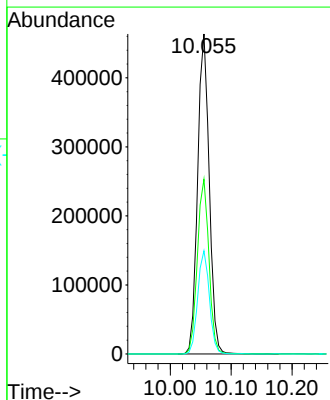
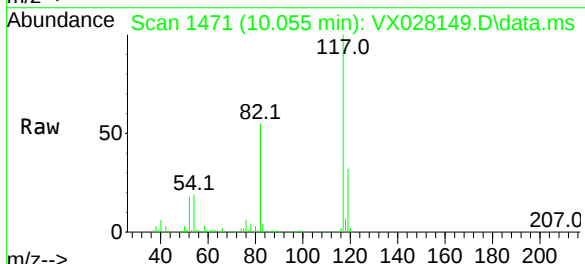
Instrument :
MSVOA_X
ClientSampleId :
IBLK

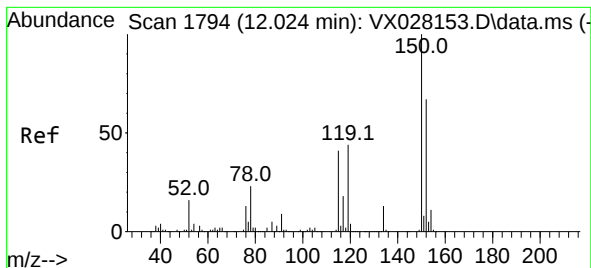
Tgt Ion: 95 Resp: 280118
Ion Ratio Lower Upper
95 100
174 83.6 0.0 163.0
176 80.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

Tgt Ion: 117 Resp: 611347
Ion Ratio Lower Upper
117 100
82 54.6 41.8 62.8
119 32.3 24.8 37.2

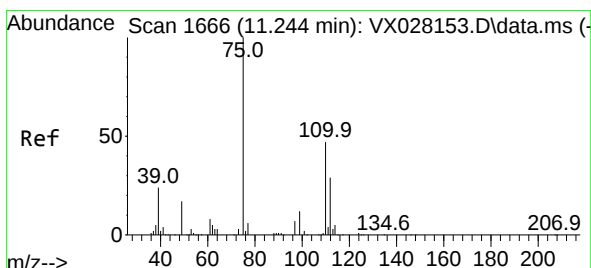
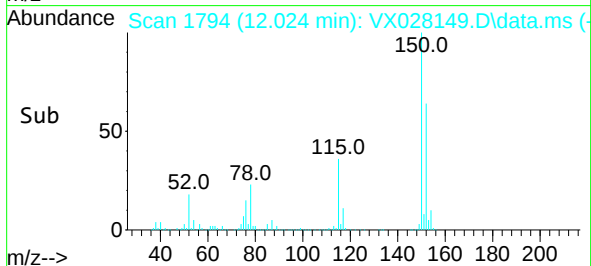
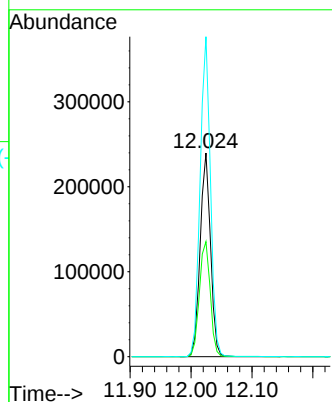
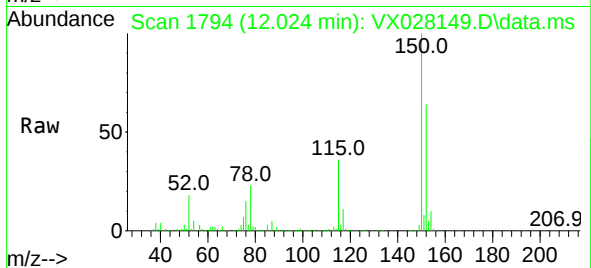




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028149.D
 Acq: 19 Apr 2022 10:46

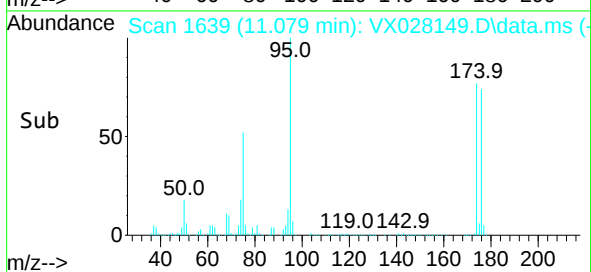
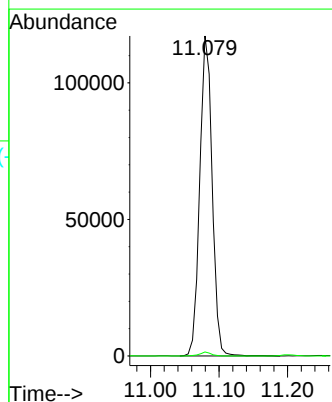
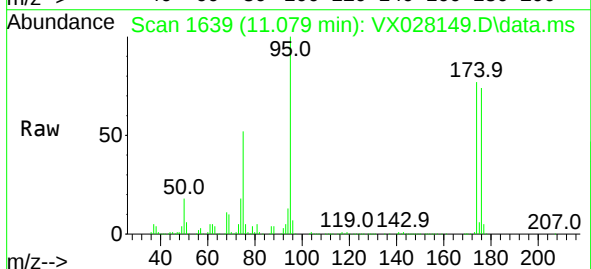
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

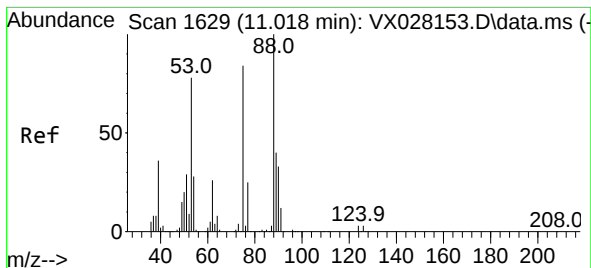
Tgt Ion:152 Resp: 283659
 Ion Ratio Lower Upper
 152 100
 115 59.2 37.5 112.7
 150 156.2 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 26.439 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028149.D
 Acq: 19 Apr 2022 10:46

Tgt Ion: 75 Resp: 147598
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

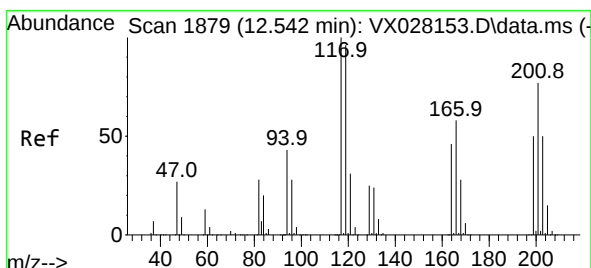
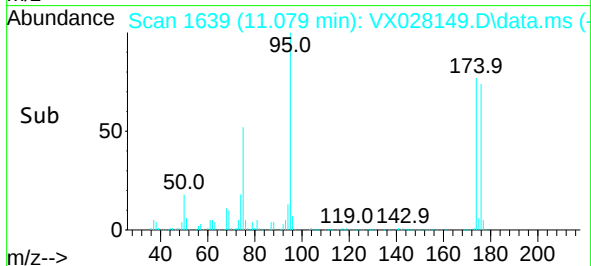
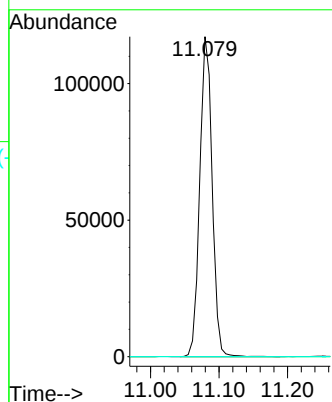
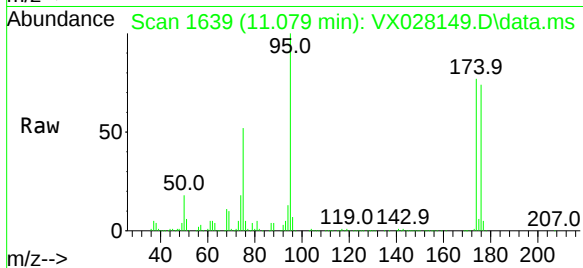




#81
trans-1,4-Dichloro-2-butene
Concen: 78.570 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

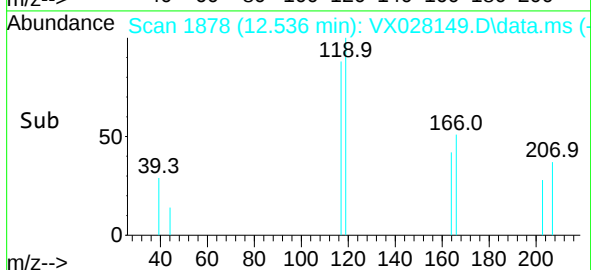
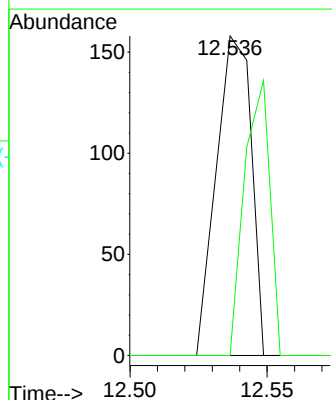
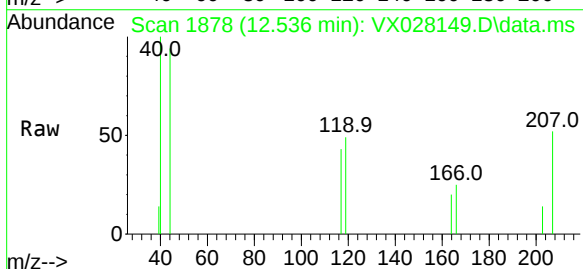
Instrument :
MSVOA_X
ClientSampleId :
IBLK

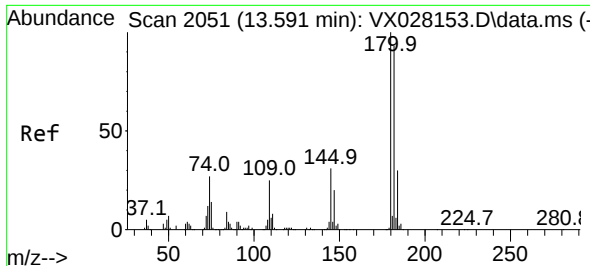
Tgt Ion: 75 Resp: 147598
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.856 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VX028149.D
Acq: 19 Apr 2022 10:46

Tgt Ion: 117 Resp: 140
Ion Ratio Lower Upper
117 100
201 62.1 39.5 118.5

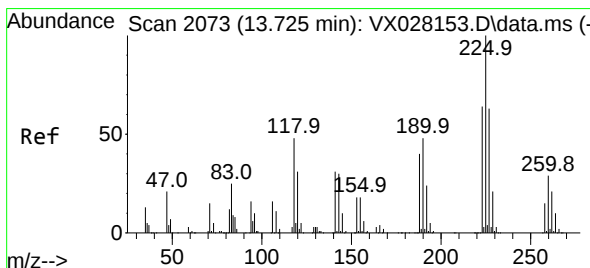
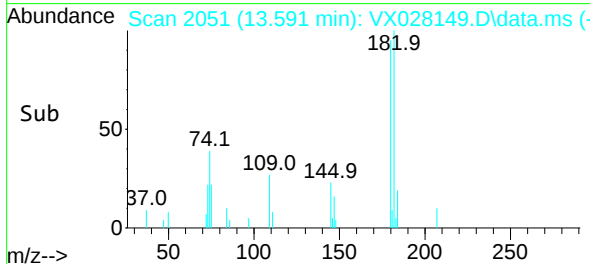
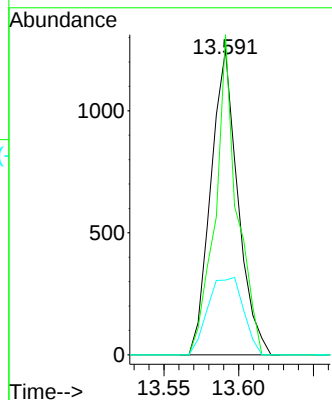
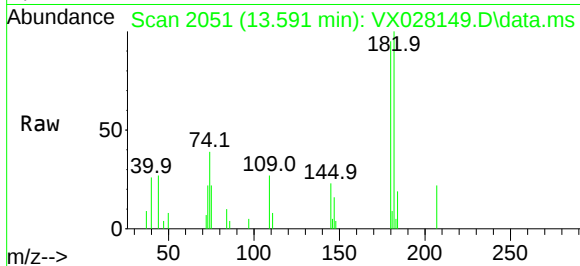




#93
 1,2,4-Trichlorobenzene
 Concen: 0.279 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.000 min
 Lab File: VX028149.D
 Acq: 19 Apr 2022 10:46

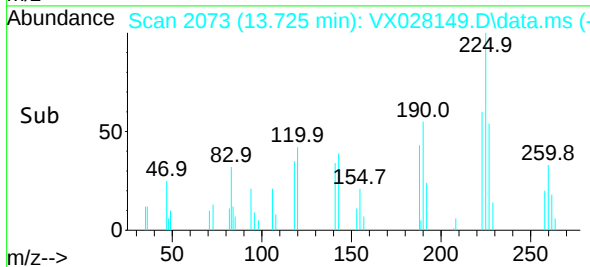
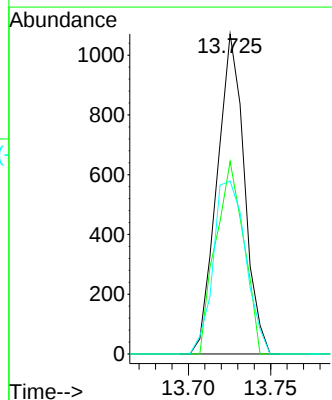
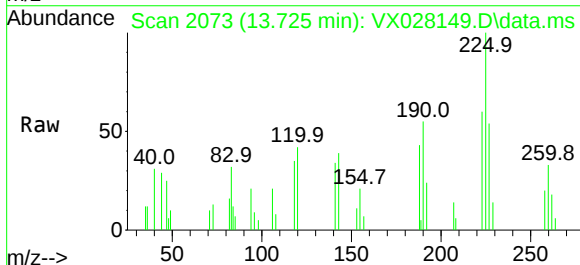
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

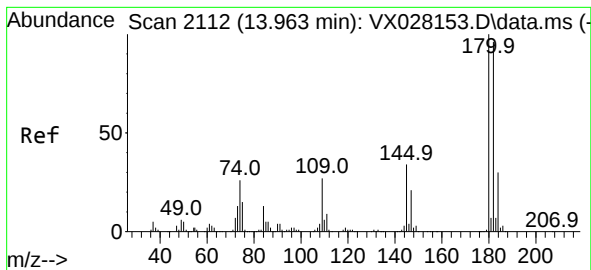
Tgt Ion:	180	Resp:	1574
Ion	Ratio	Lower	Upper
180	100		
182	84.2	47.7	143.1
145	33.1	15.2	45.5



#94
 Hexachlorobutadiene
 Concen: 0.492 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. 0.000 min
 Lab File: VX028149.D
 Acq: 19 Apr 2022 10:46

Tgt Ion:	225	Resp:	1237
Ion	Ratio	Lower	Upper
225	100		
223	61.8	34.2	102.5
227	64.3	33.9	101.7





#96

1,2,3-Trichlorobenzene

Concen: 0.296 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028149.D

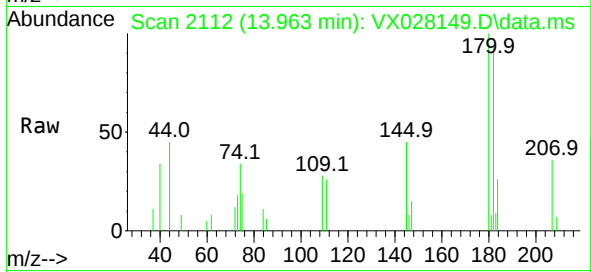
Acq: 19 Apr 2022 10:46

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion:180 Resp: 1637

Ion Ratio Lower Upper

180 100

182 88.6 50.0 149.8

145 29.9 16.2 48.5

