

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032122\
 Data File : VX027589.D
 Acq On : 21 Mar 2022 16:25
 Operator : JC/MD
 Sample : N1998-07DL 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 05:47:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

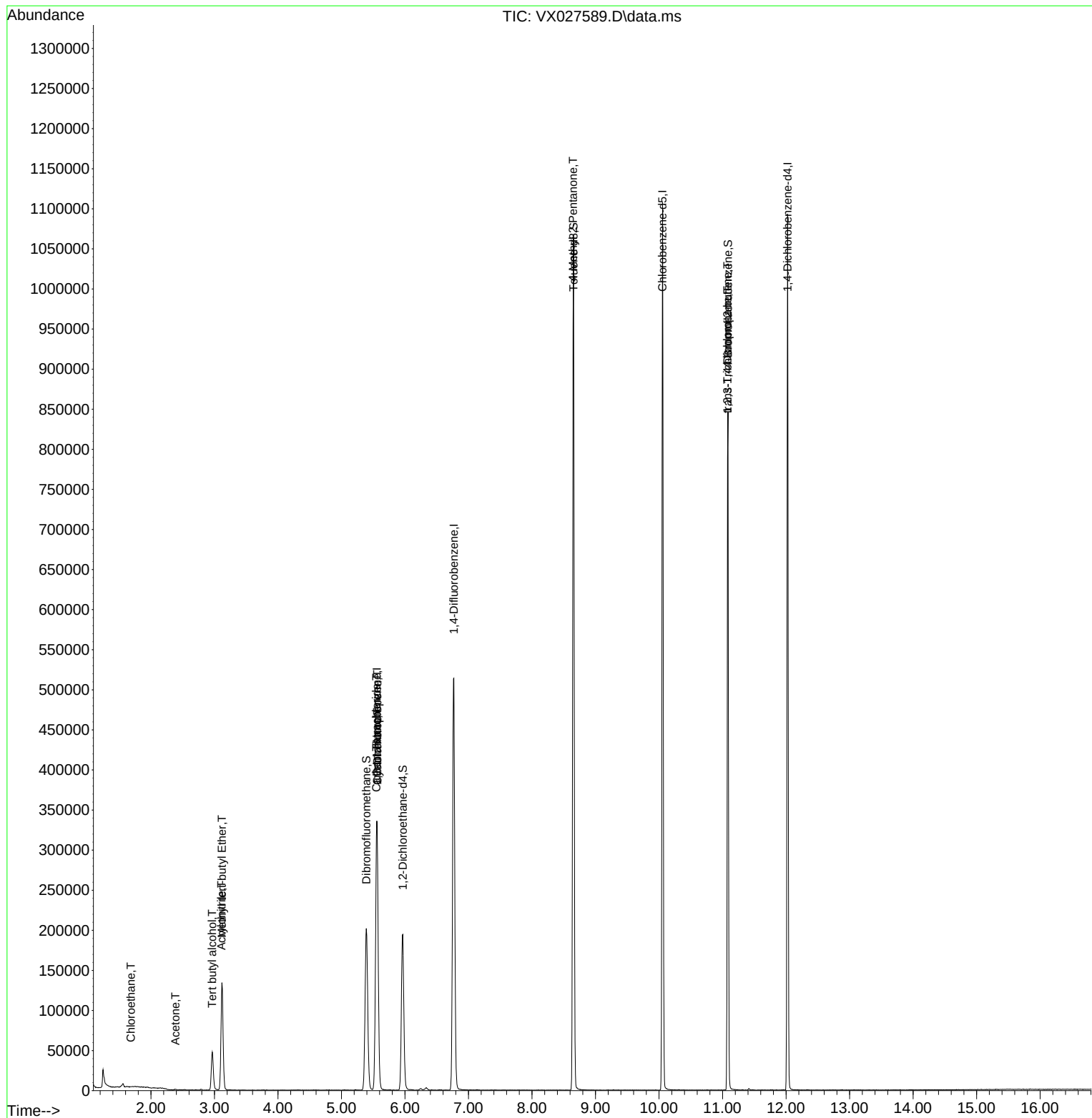
Internal Standards						
1) Pentafluorobenzene	5.556	168	348231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	556594	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	513290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	233411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	188099	43.847	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.700%
35) Dibromofluoromethane	5.391	113	182700	51.019	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.040%
50) Toluene-d8	8.653	98	657428	48.515	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.040%
62) 4-Bromofluorobenzene	11.085	95	231715	46.522	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.040%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	607	Below Cal		88
6) Chloroethane	1.684	64	1201	0.571	ug/l #	43
11) Tert butyl alcohol	2.965	59	54889	67.137	ug/l	99
15) Acrylonitrile	3.111	53	1791	0.964	ug/l #	17
16) Acetone	2.386	43	945	0.540	ug/l #	85
19) Methyl tert-butyl Ether	3.117	73	152992	14.023	ug/l	98
31) Cyclohexane	5.562	56	5321	0.999	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	22472	4.592	ug/l #	49
38) Carbon Tetrachloride	5.550	117	33237	5.937	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	2408	0.481	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	109015	22.329	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	109015	67.815	ug/l #	15

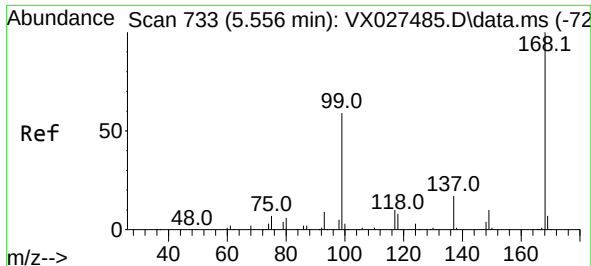
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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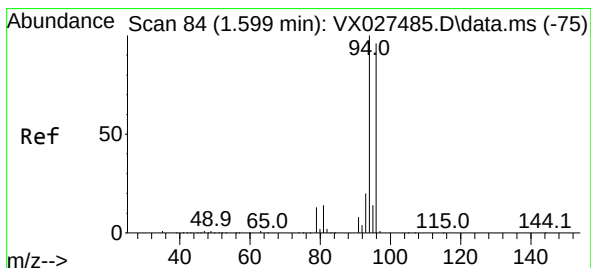
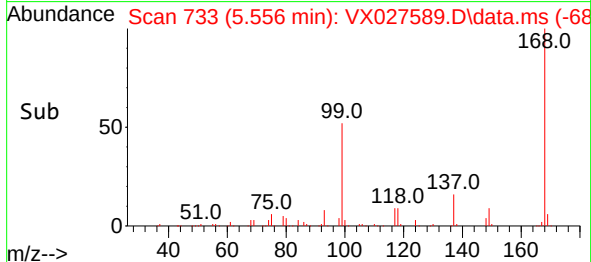
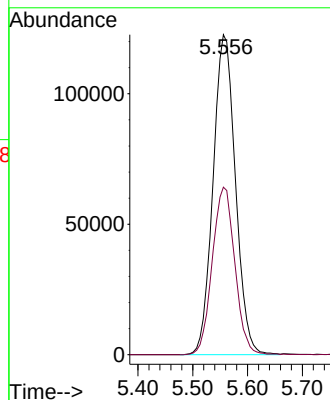
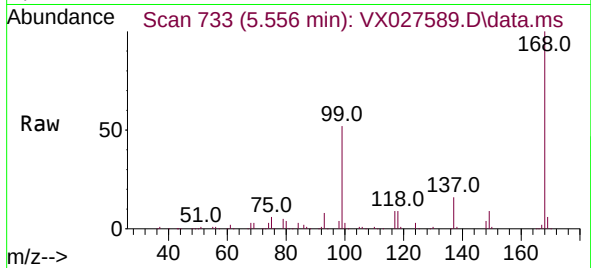




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027589.D
Acq: 21 Mar 2022 16:25

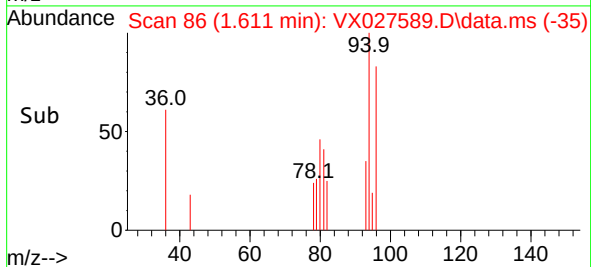
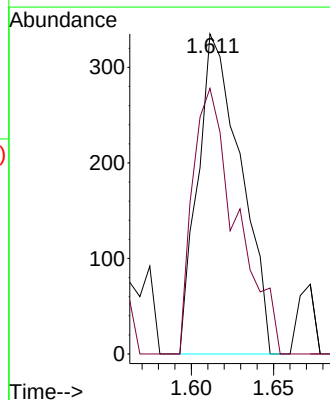
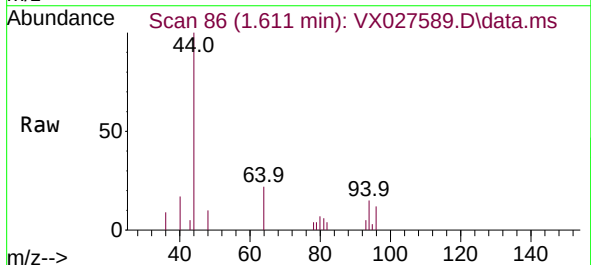
Instrument :
MSVOA_X
ClientSampleId :

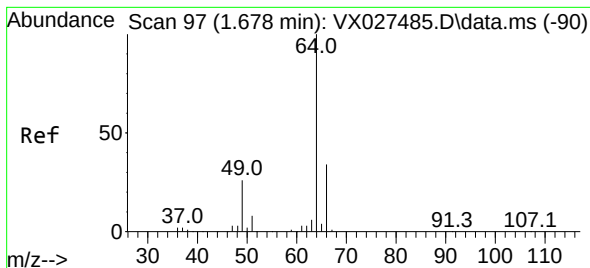
Tgt Ion:168 Resp: 348231
Ion Ratio Lower Upper
168 100
99 52.3 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027589.D
Acq: 21 Mar 2022 16:25

Tgt Ion: 94 Resp: 607
Ion Ratio Lower Upper
94 100
96 83.0 75.3 112.9





#6

Chloroethane

Concen: 0.571 ug/l

RT: 1.684 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX027589.D

Acq: 21 Mar 2022 16:25

Instrument :

MSVOA_X

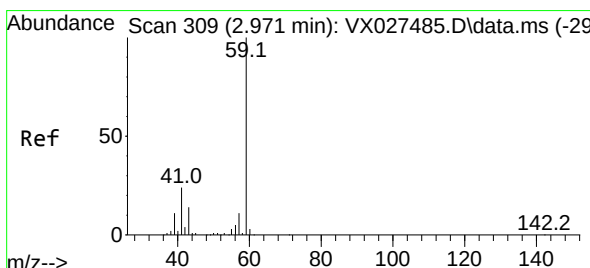
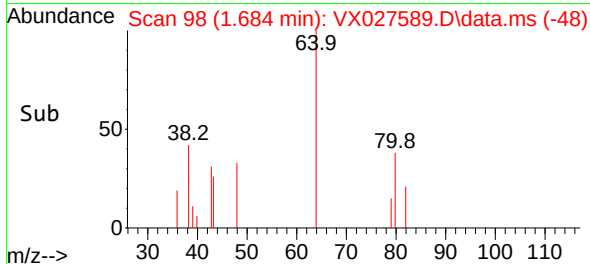
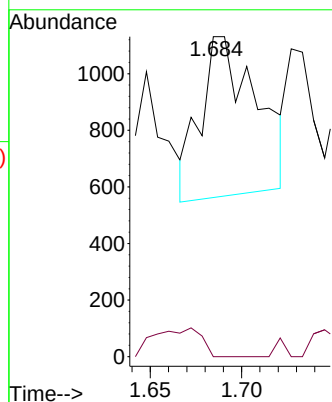
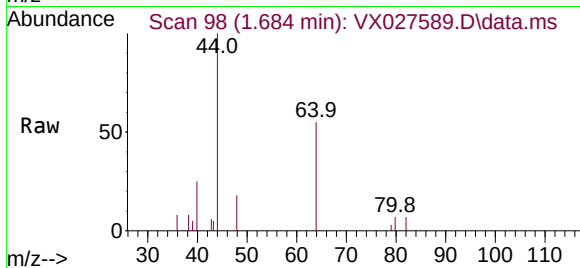
ClientSampleId :

Tgt Ion: 64 Resp: 1201

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#11

Tert butyl alcohol

Concen: 67.137 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.006 min

Lab File: VX027589.D

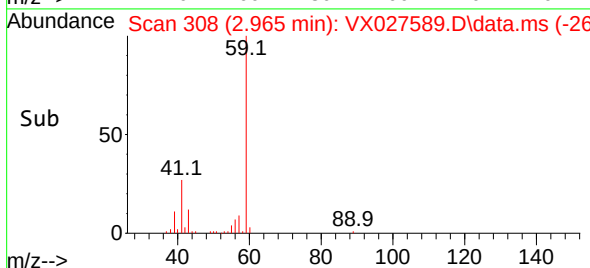
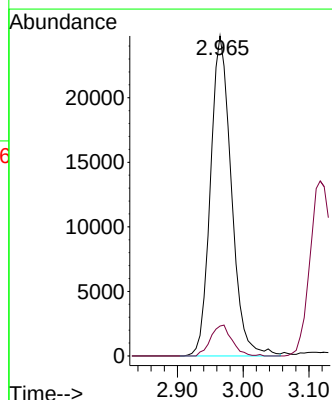
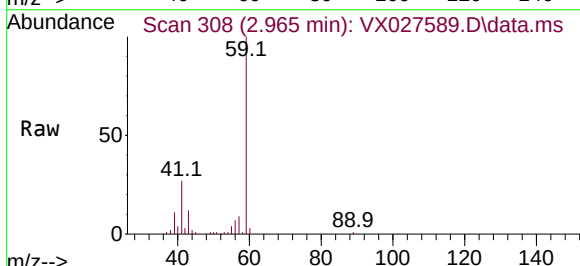
Acq: 21 Mar 2022 16:25

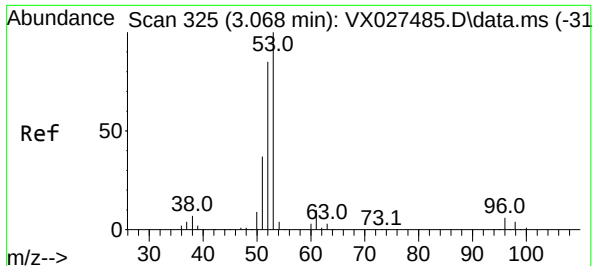
Tgt Ion: 59 Resp: 54889

Ion Ratio Lower Upper

59 100

57 9.8 8.3 12.5





#15

Acrylonitrile

Concen: 0.964 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.043 min

Lab File: VX027589.D

Acq: 21 Mar 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :

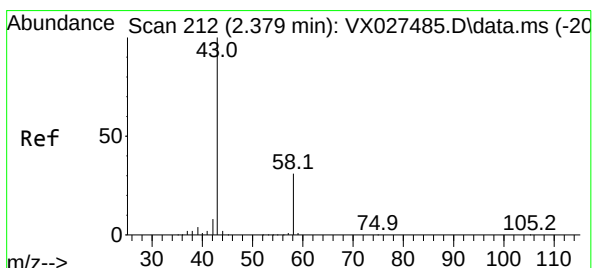
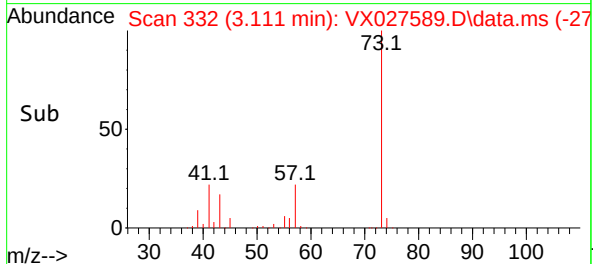
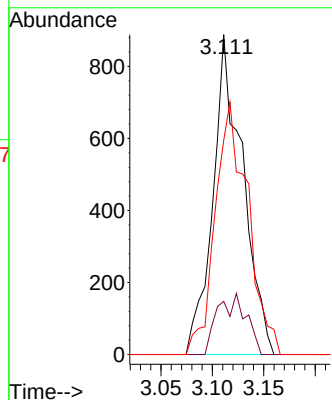
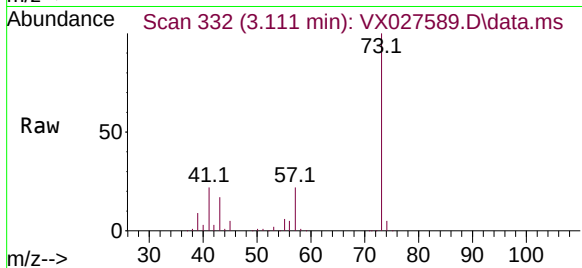
Tgt Ion: 53 Resp: 1791

Ion Ratio Lower Upper

53 100

52 9.4 65.7 98.5#

51 86.3 28.4 42.6#



#16

Acetone

Concen: 0.540 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027589.D

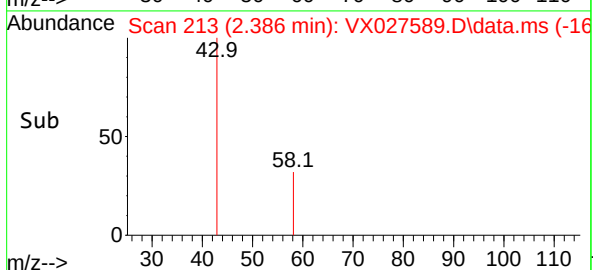
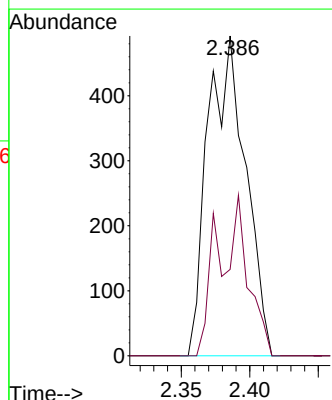
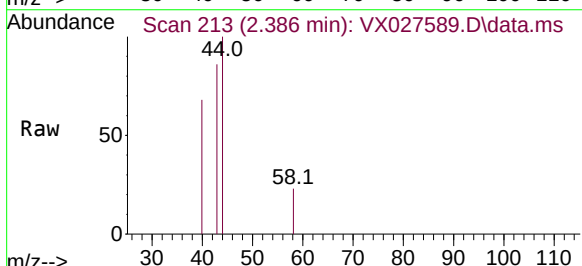
Acq: 21 Mar 2022 16:25

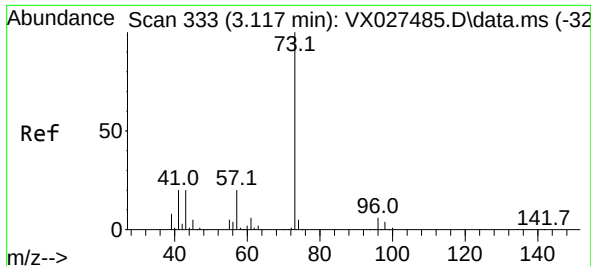
Tgt Ion: 43 Resp: 945

Ion Ratio Lower Upper

43 100

58 27.0 28.8 43.2#





#19

Methyl tert-butyl Ether

Concen: 14.023 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX027589.D

Acq: 21 Mar 2022 16:25

Instrument :

MSVOA_X

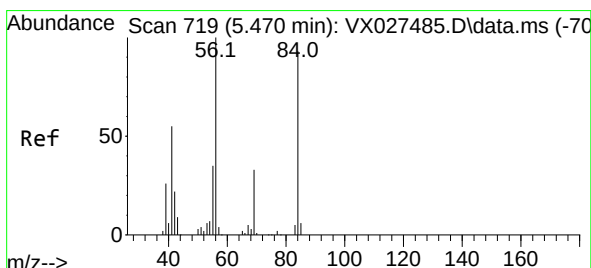
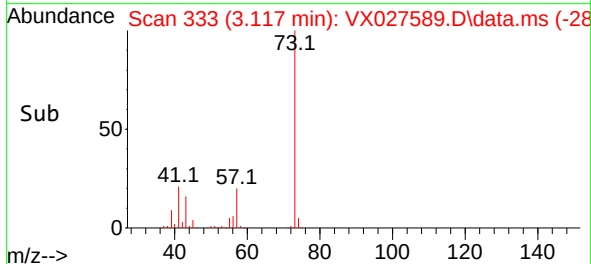
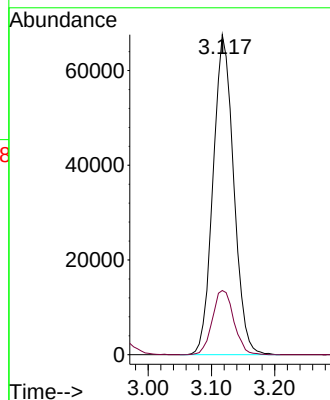
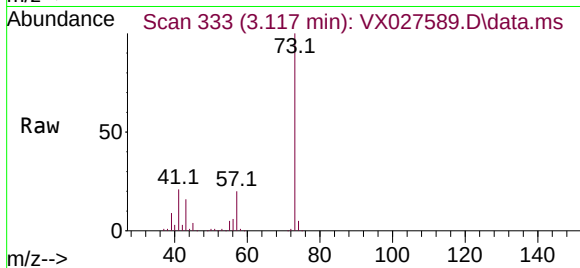
ClientSampleId :

Tgt Ion: 73 Resp: 152992

Ion Ratio Lower Upper

73 100

57 20.1 16.8 25.2



#31

Cyclohexane

Concen: 0.999 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX027589.D

Acq: 21 Mar 2022 16:25

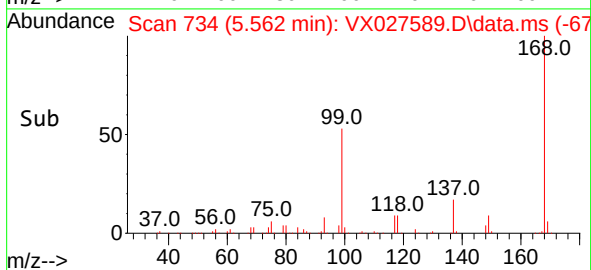
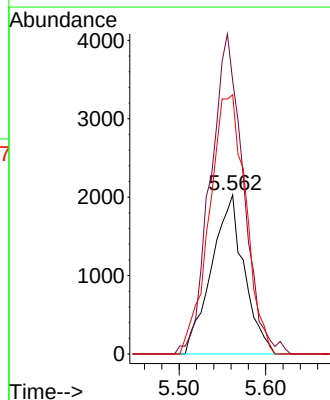
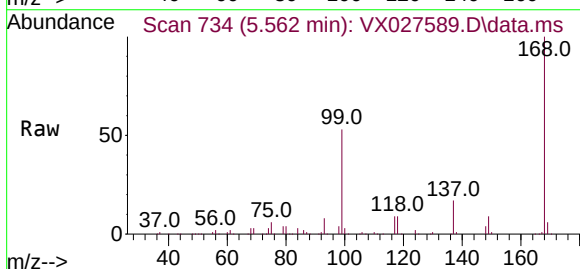
Tgt Ion: 56 Resp: 5321

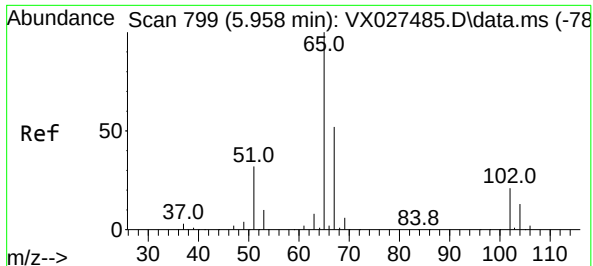
Ion Ratio Lower Upper

56 100

69 166.6 26.7 40.1#

84 162.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.847 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX027589.D

Acq: 21 Mar 2022 16:25

Instrument :

MSVOA_X

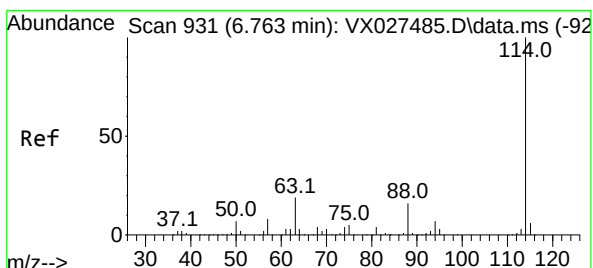
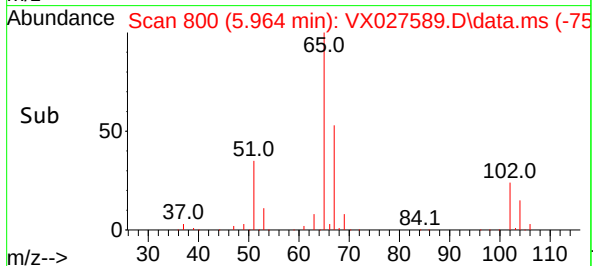
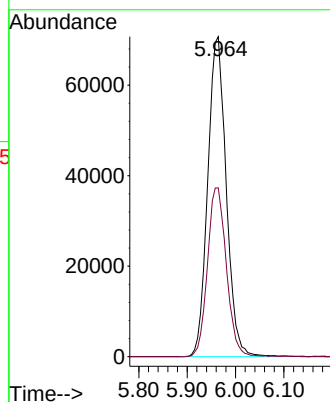
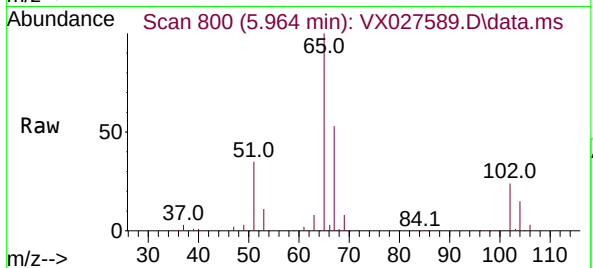
ClientSampleId :

Tgt Ion: 65 Resp: 188099

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX027589.D

Acq: 21 Mar 2022 16:25

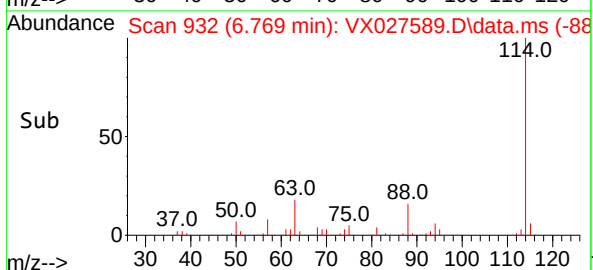
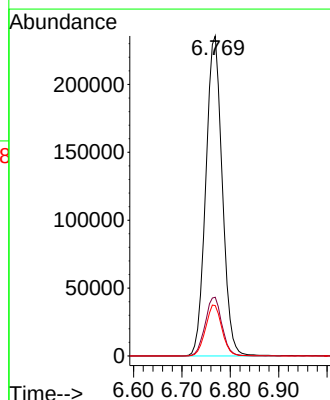
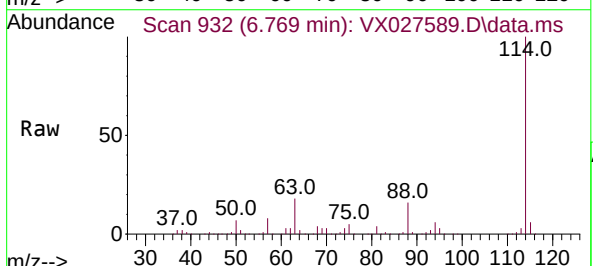
Tgt Ion:114 Resp: 556594

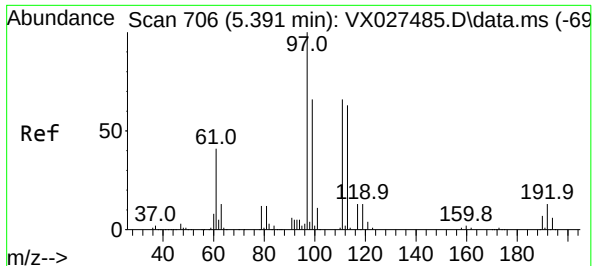
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.019 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

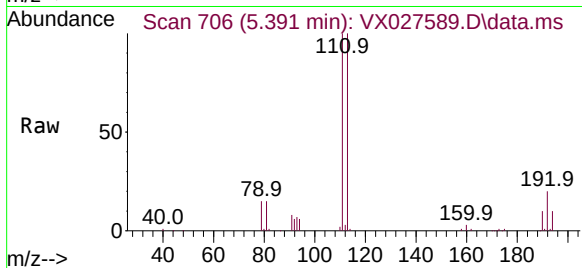
Lab File: VX027589.D

Acq: 21 Mar 2022 16:25

Instrument :

MSVOA_X

ClientSampleId :



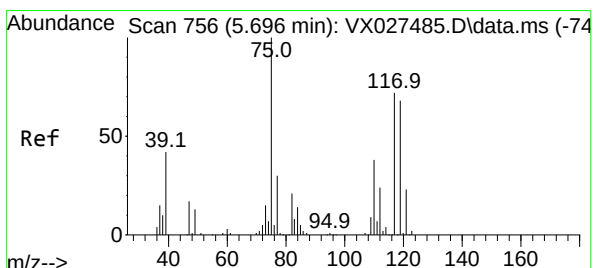
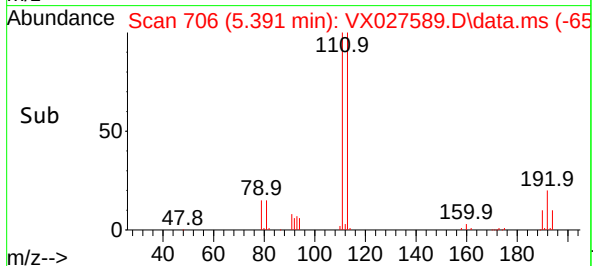
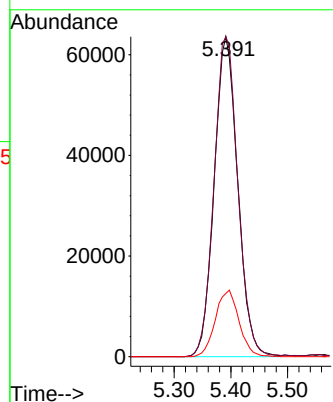
Tgt Ion:113 Resp: 182700

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

192 20.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.592 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX027589.D

Acq: 21 Mar 2022 16:25

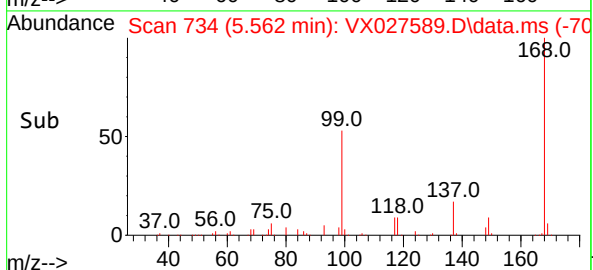
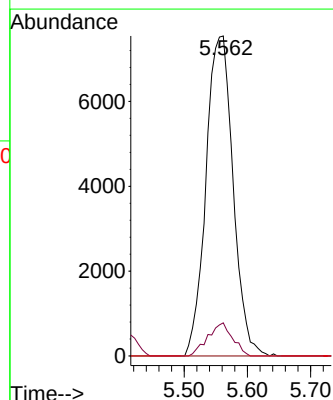
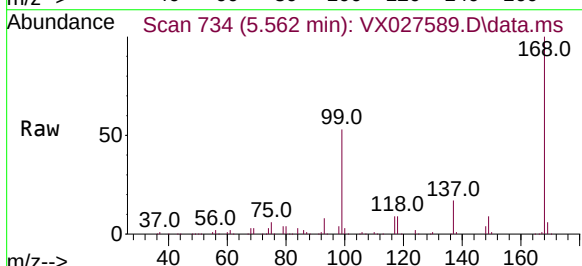
Tgt Ion: 75 Resp: 22472

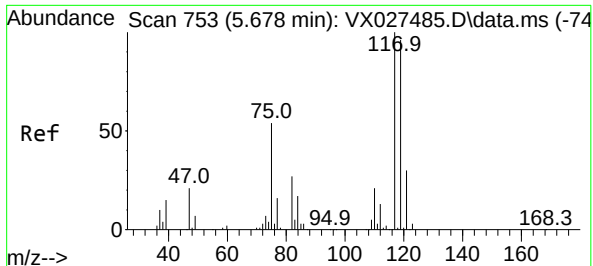
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

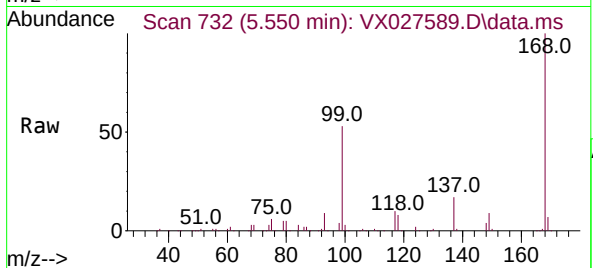
77 0.0 24.8 37.2#



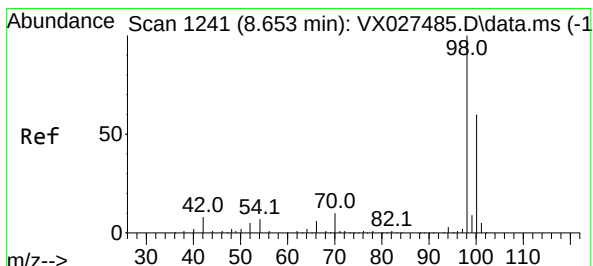
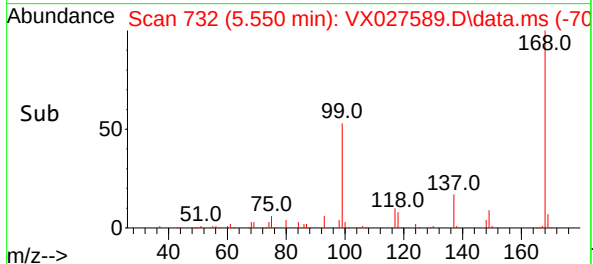
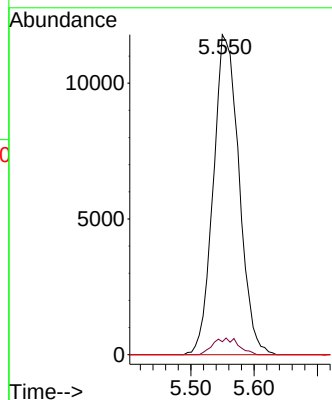


#38
Carbon Tetrachloride
Concen: 5.937 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX027589.D
Acq: 21 Mar 2022 16:25

Instrument :
MSVOA_X
ClientSampleId :

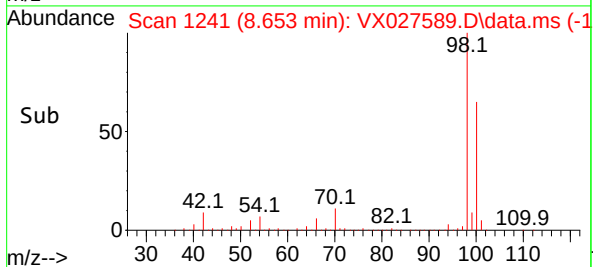
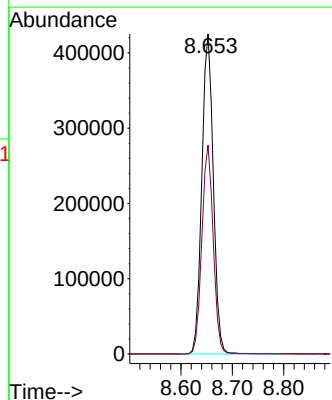
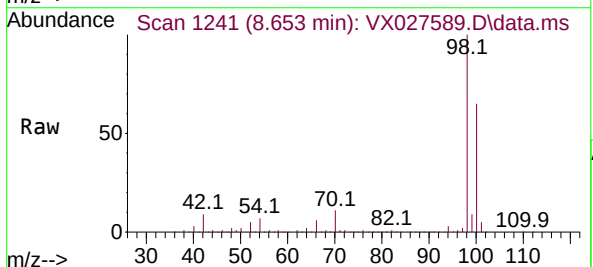


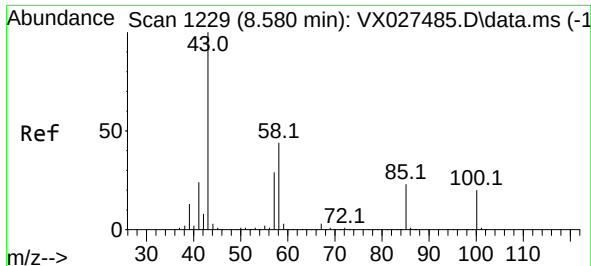
Tgt Ion:117 Resp: 33237
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.515 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027589.D
Acq: 21 Mar 2022 16:25

Tgt Ion: 98 Resp: 657428
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8

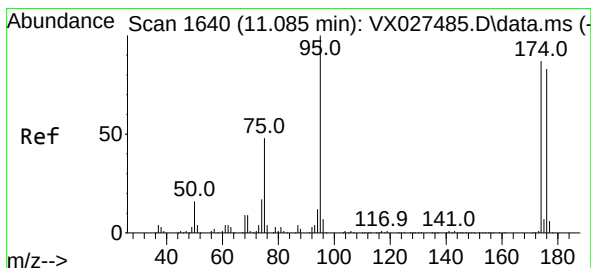
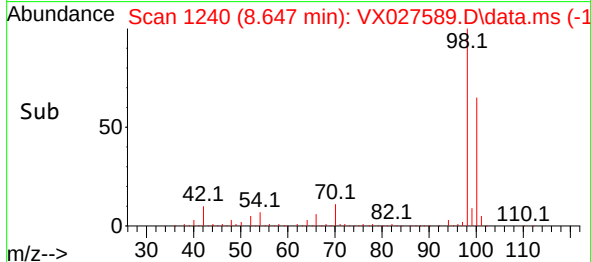
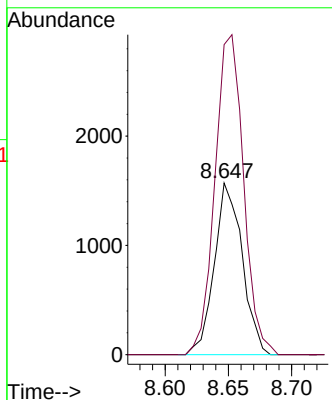
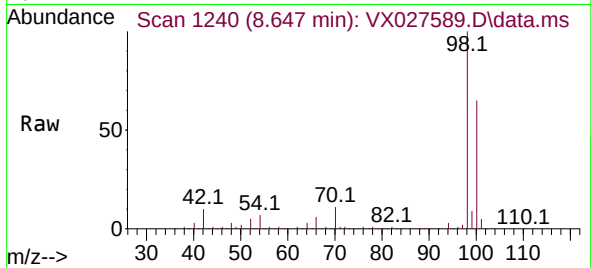




#51
 4-Methyl-2-Pentanone
 Concen: 0.481 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX027589.D
 Acq: 21 Mar 2022 16:25

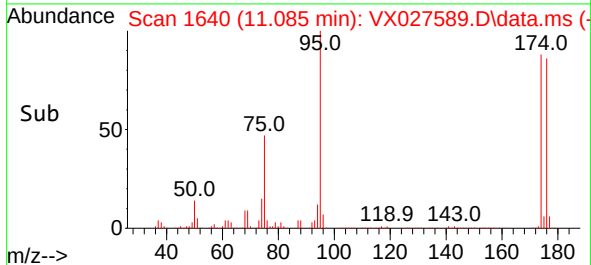
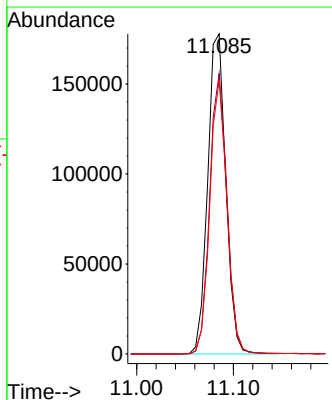
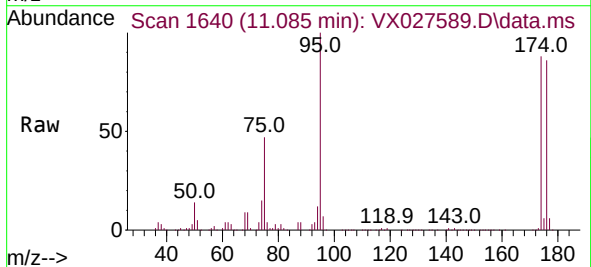
Instrument :
 MSVOA_X
 ClientSampleId :

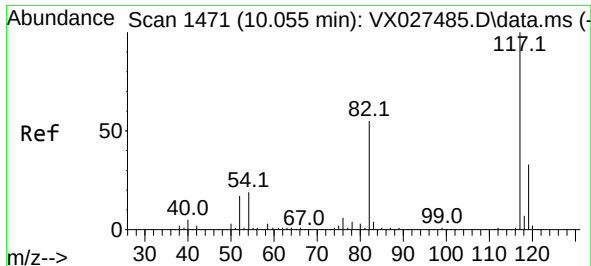
Tgt Ion: 43 Resp: 2408
 Ion Ratio Lower Upper
 43 100
 58 191.6 36.1 54.1#



#62
 4-Bromofluorobenzene
 Concen: 46.522 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.000 min
 Lab File: VX027589.D
 Acq: 21 Mar 2022 16:25

Tgt Ion: 95 Resp: 231715
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 163.0
 176 81.4 0.0 155.0

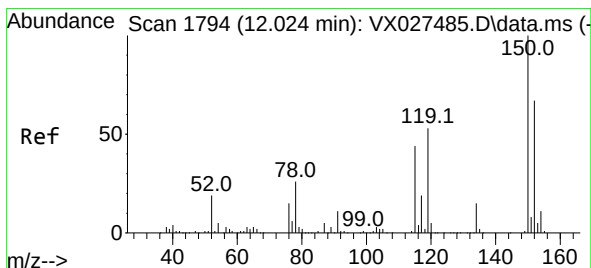
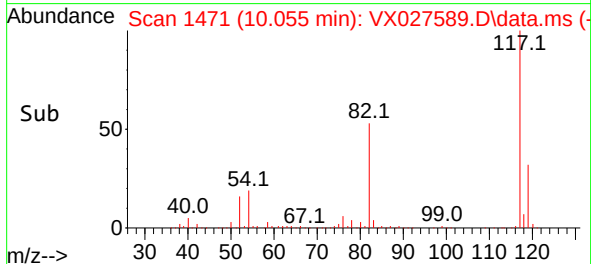
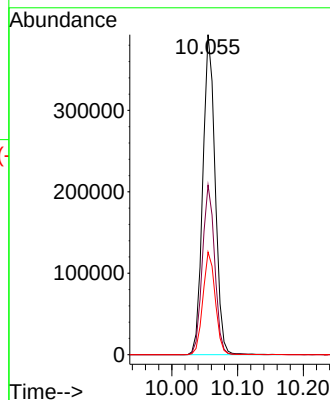
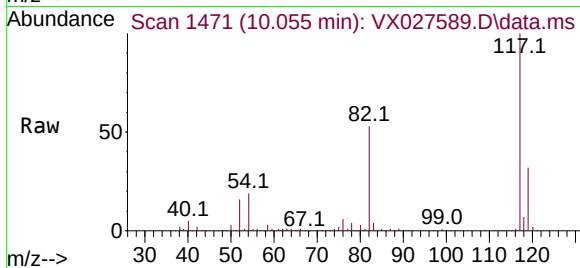




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027589.D
Acq: 21 Mar 2022 16:25

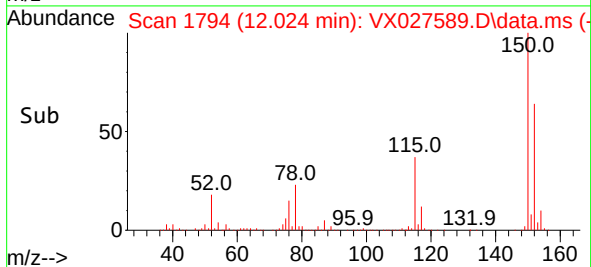
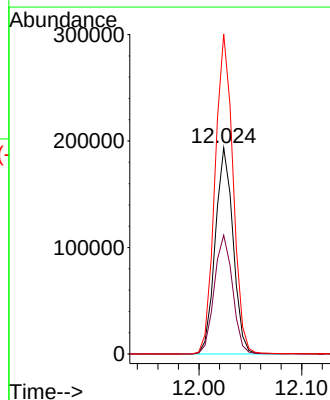
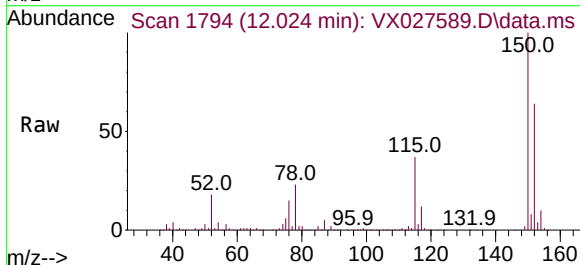
Instrument :
MSVOA_X
ClientSampleId :

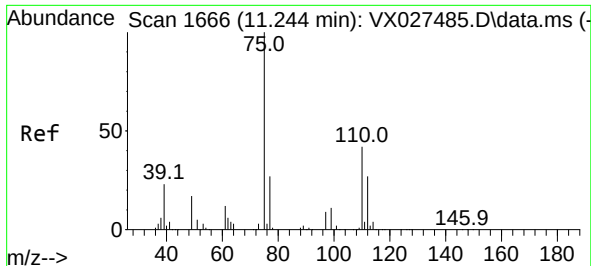
Tgt Ion:117 Resp: 513290
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.8
119 32.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX027589.D
Acq: 21 Mar 2022 16:25

Tgt Ion:152 Resp: 233411
Ion Ratio Lower Upper
152 100
115 59.1 37.5 112.7
150 157.1 0.0 338.2

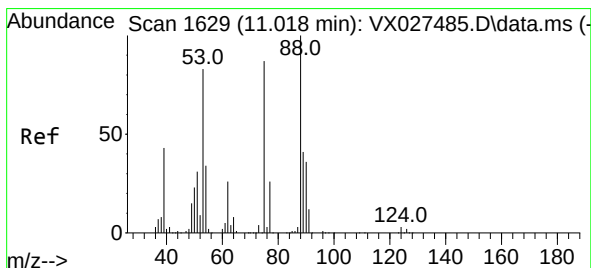
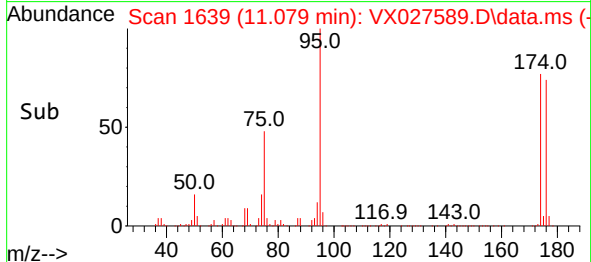
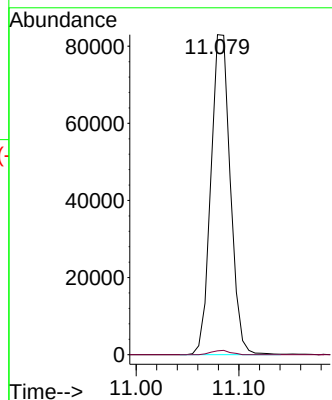
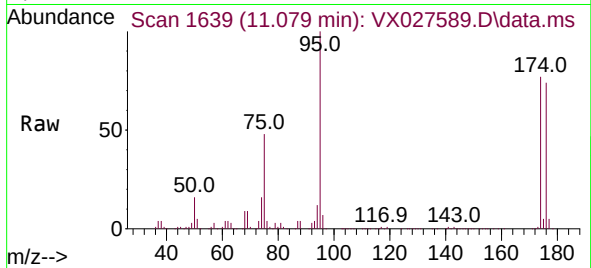




#76
1,2,3-Trichloropropane
Concen: 22.329 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027589.D
Acq: 21 Mar 2022 16:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 109015
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.815 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027589.D
Acq: 21 Mar 2022 16:25

Tgt Ion: 75 Resp: 109015
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

