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 Data File : VX029301.D
 Acq On : 08 Jun 2022 02:17
 Operator : JC/MD
 Sample : PB145355ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

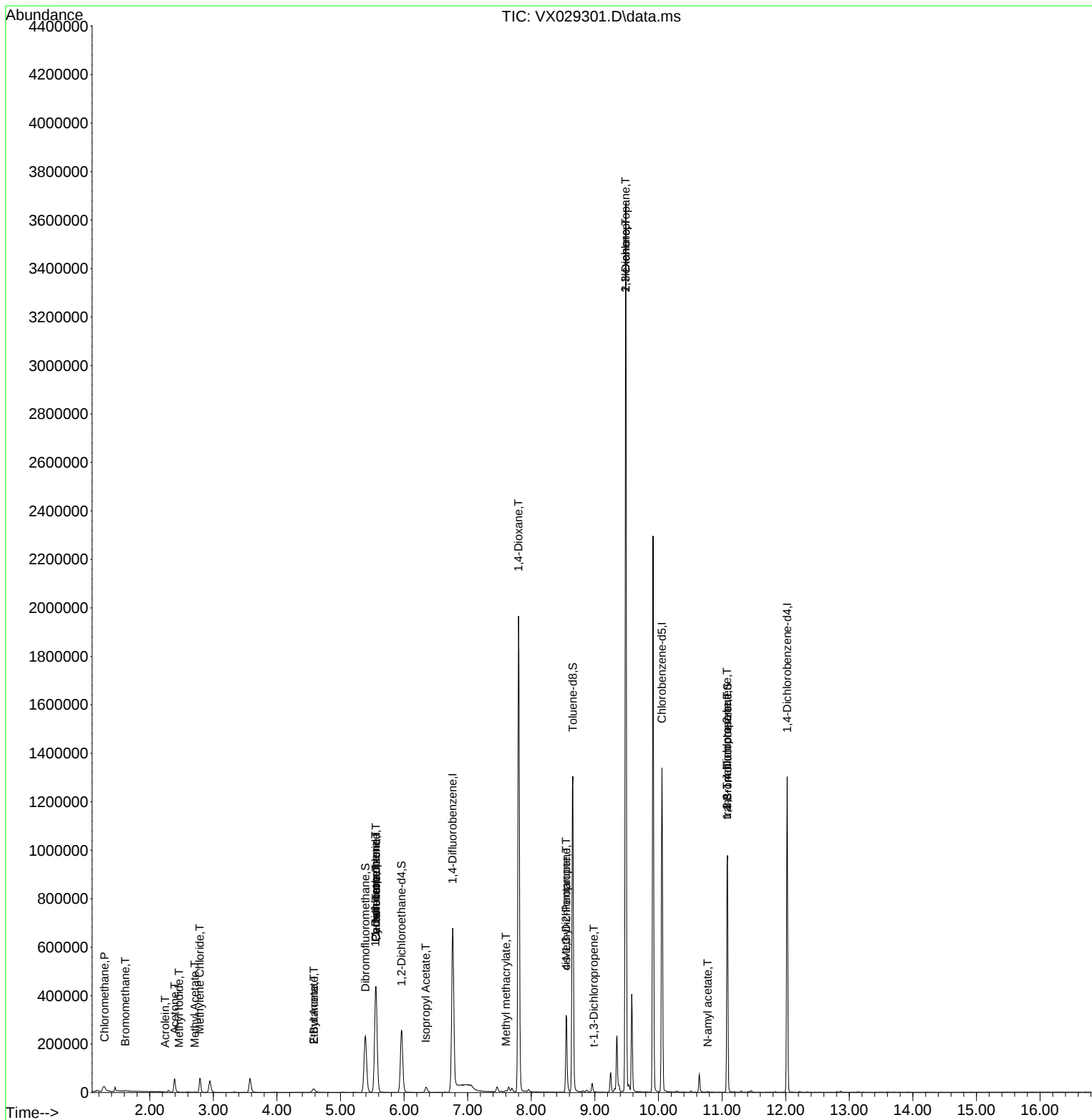
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#05

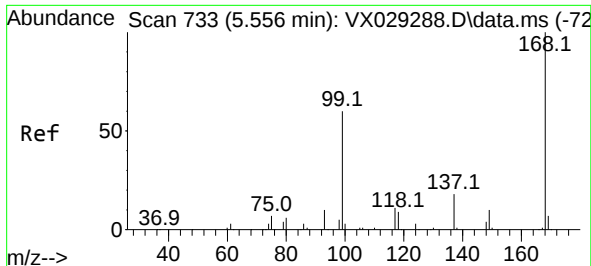
Quant Time: Jun 08 03:20:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	398856	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	685117	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	602994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	260963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	251861	41.173	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	82.340%
35) Dibromofluoromethane	5.391	113	207515	35.628	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	71.260%
50) Toluene-d8	8.653	98	788562	38.281	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	76.560%
62) 4-Bromofluorobenzene	11.085	95	281173	34.879	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	69.760%
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	1444	0.214	ug/l	92
5) Bromomethane	1.618	94	1047	0.279	ug/l	# 76
6) Chloroethane	1.685	64	414	Below Cal	#	43
10) Methyl Iodide	2.459	142	855	1.345	ug/l	# 92
11) Tert butyl alcohol	2.941	59	29053	Below Cal	#	76
13) Acrolein	2.239	56	428	0.581	ug/l	# 60
16) Acetone	2.392	43	66640	20.653	ug/l	96
18) Methyl Acetate	2.709	43	2005	0.235	ug/l	# 85
20) Methylene Chloride	2.788	84	27016	3.749	ug/l	98
25) 2-Butanone	4.580	43	9778	1.916	ug/l	90
31) Cyclohexane	5.556	56	7813	0.723	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	31844	3.310	ug/l	# 49
37) Ethyl Acetate	4.580	43	9778	0.985	ug/l	# 72
38) Carbon Tetrachloride	5.556	117	43698	4.444	ug/l	# 15
41) Methacrylonitrile	5.019	41	177	Below Cal	#	14
43) Isopropyl Acetate	6.342	43	29939	2.007	ug/l	96
48) Methyl methacrylate	7.604	41	8497	1.132	ug/l	# 7
49) 1,4-Dioxane	7.799	88	251	1.300	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	105031	10.756	ug/l	# 47
53) t-1,3-Dichloropropene	8.982	75	140	1.329	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	53260	4.927	ug/l	# 67
57) 1,3-Dichloropropane	9.482	76	35118	2.801	ug/l	# 44
59) 2-Hexanone	9.482	43	413290	55.667	ug/l	# 43
74) N-amyl acetate	10.774	43	1426	0.205	ug/l	# 45
76) 1,2,3-Trichloropropane	11.079	75	139590	22.901	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	139590	70.286	ug/l	# 15

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

Quant Time: Jun 08 03:20:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
Response via : Initial Calibration

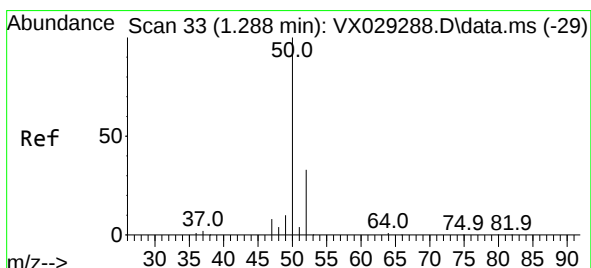
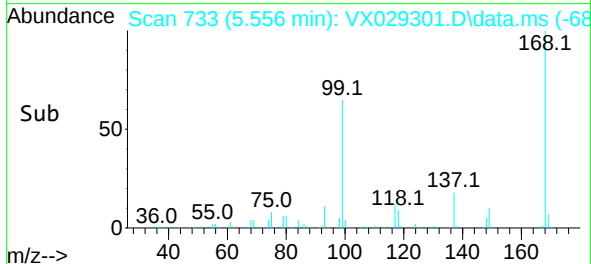
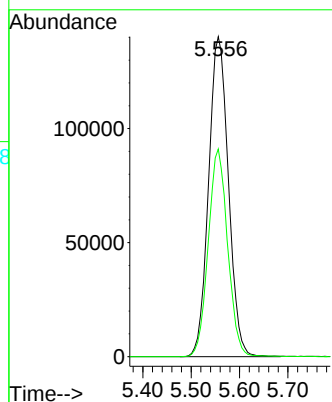
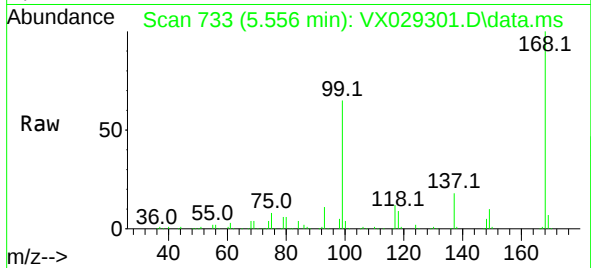




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

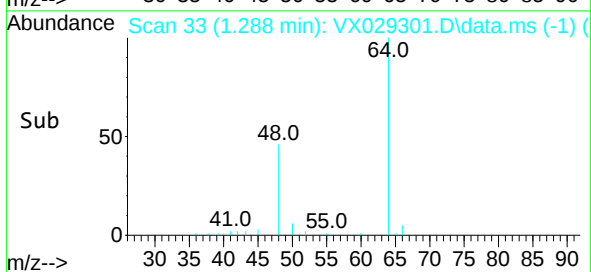
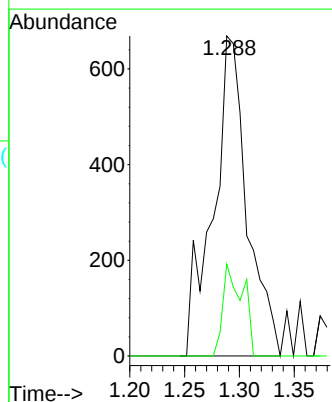
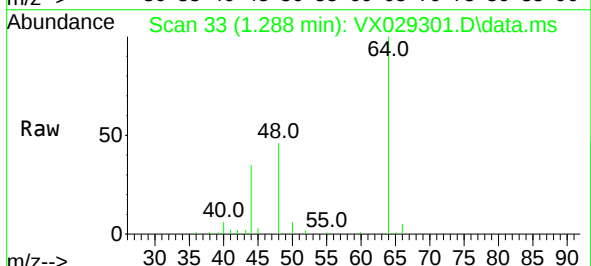
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#05

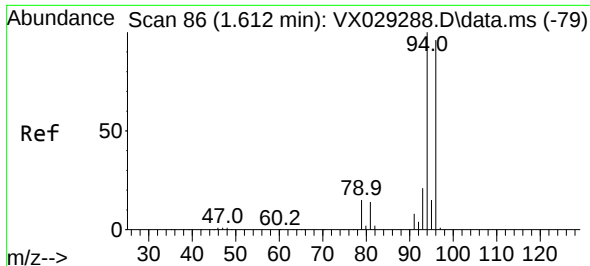
Tgt Ion:168 Resp: 398856
Ion Ratio Lower Upper
168 100
99 64.9 41.7 62.5#



#3
Chloromethane
Concen: 0.214 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 50 Resp: 1444
Ion Ratio Lower Upper
50 100
52 28.7 26.4 39.6

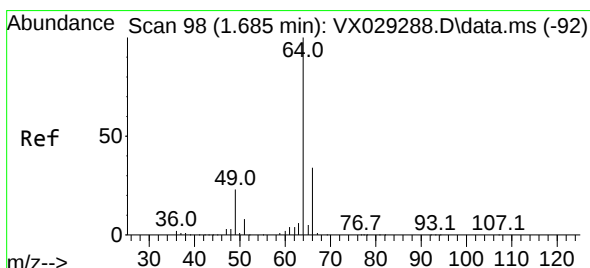
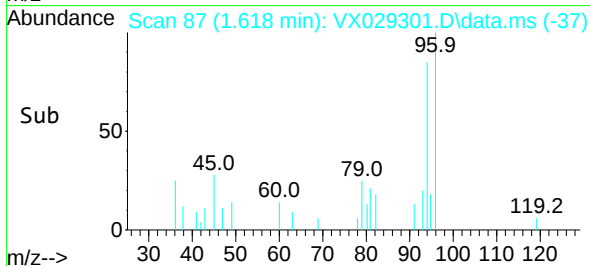
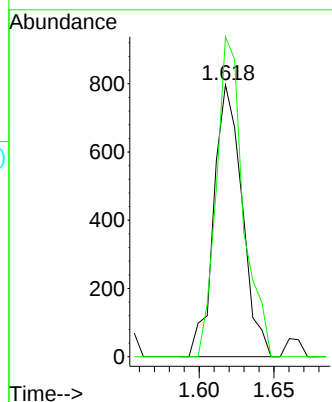
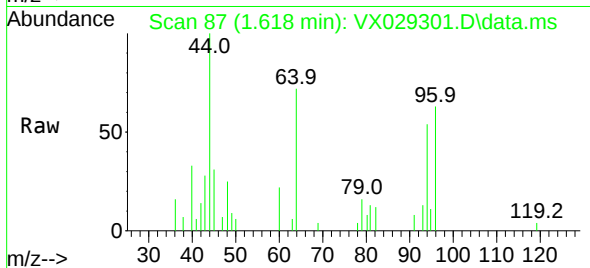




#5
Bromomethane
Concen: 0.279 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

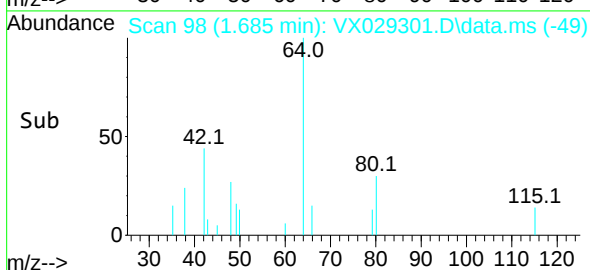
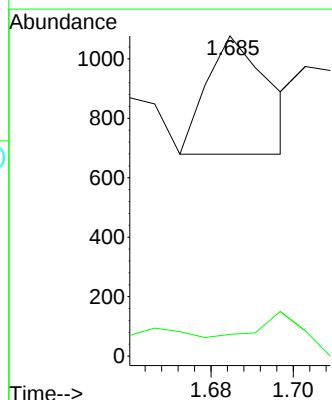
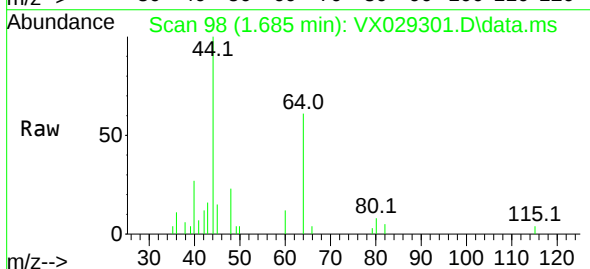
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#05

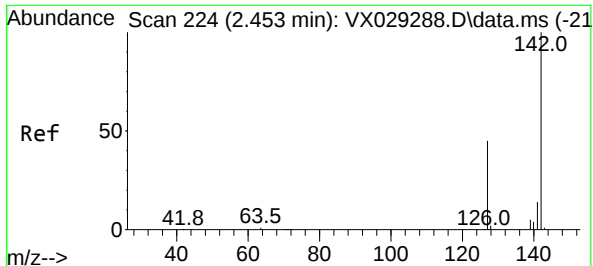
Tgt Ion: 94 Resp: 1047
Ion Ratio Lower Upper
94 100
96 117.7 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

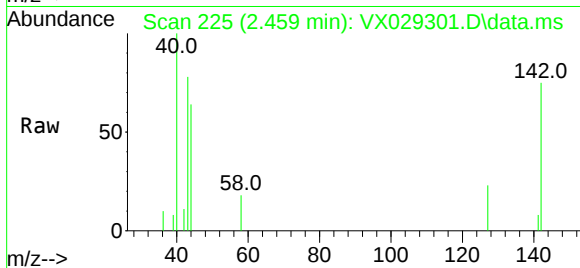
Tgt Ion: 64 Resp: 414
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



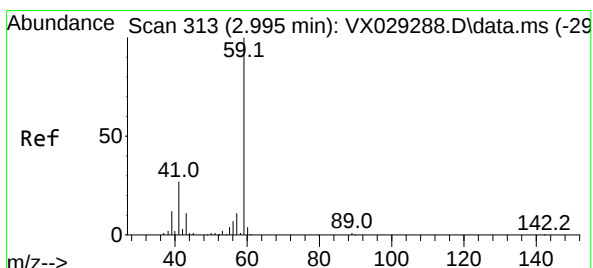
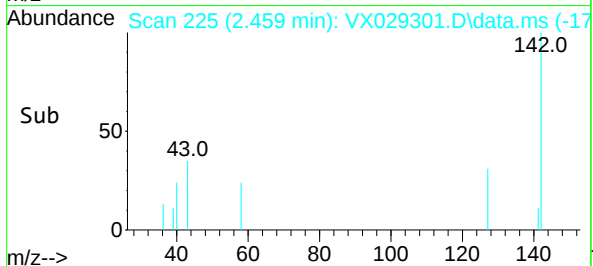
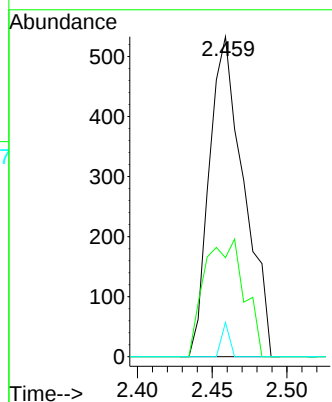


#10
Methyl Iodide
Concen: 1.345 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#05

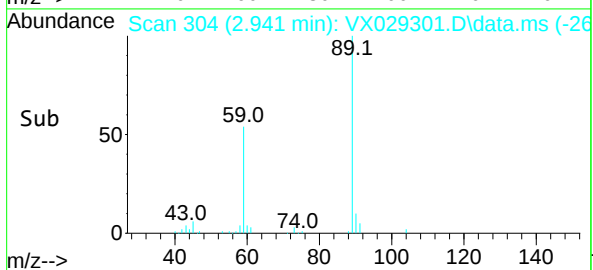
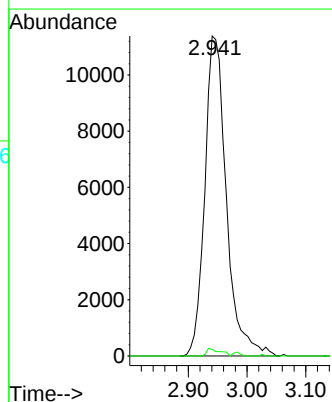
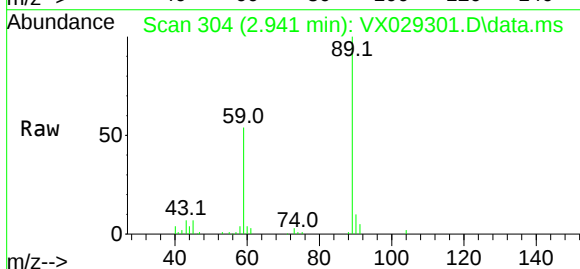


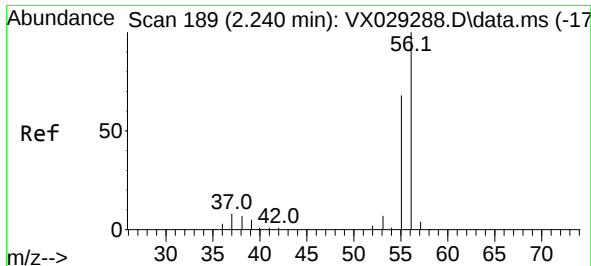
Tgt Ion:142 Resp: 855
Ion Ratio Lower Upper
142 100
127 42.2 33.9 50.9
141 2.5 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.054 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 59 Resp: 29053
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#

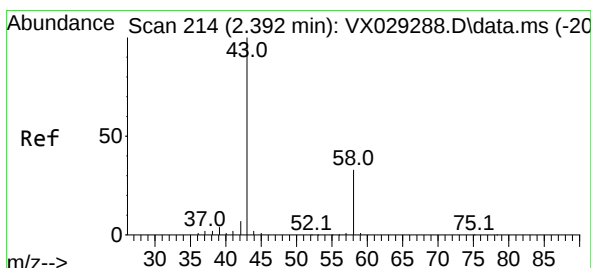
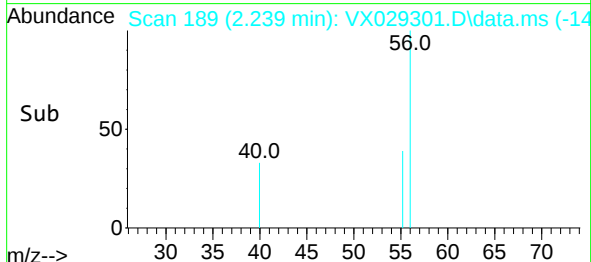
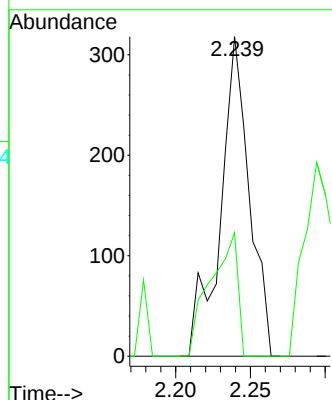
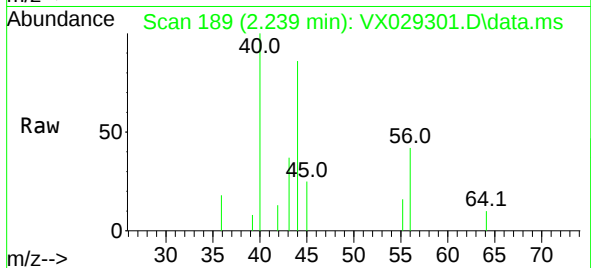




#13
Acrolein
Concen: 0.581 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

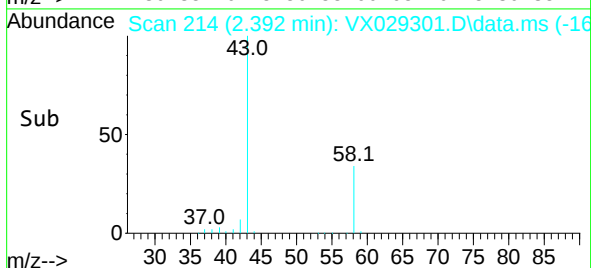
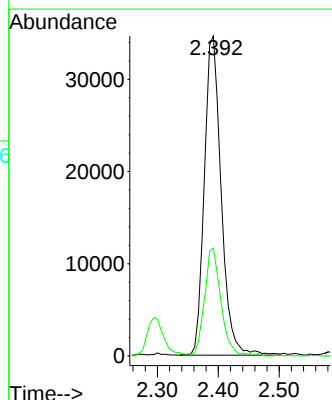
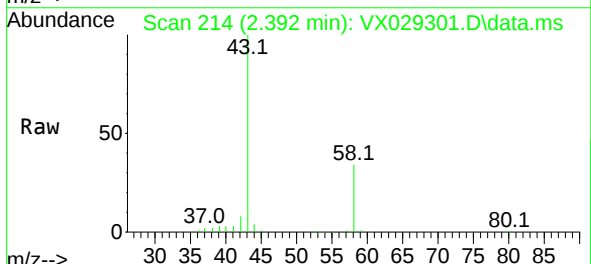
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ClientSampleId :
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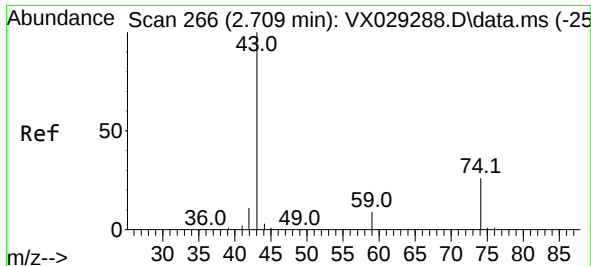
Tgt Ion: 56 Resp: 428
Ion Ratio Lower Upper
56 100
55 36.7 55.0 82.6#



#16
Acetone
Concen: 20.653 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 43 Resp: 66640
Ion Ratio Lower Upper
43 100
58 33.6 28.8 43.2

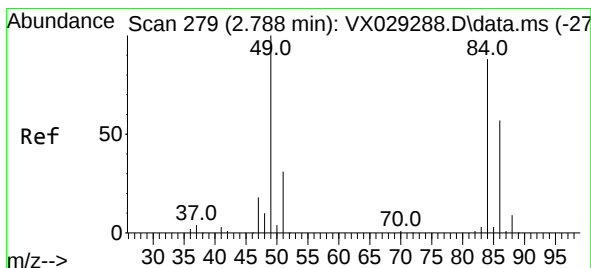
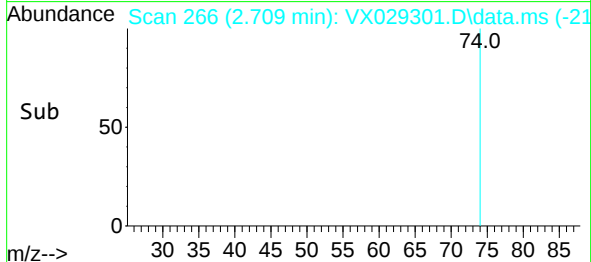
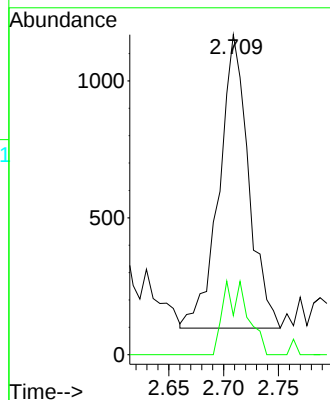
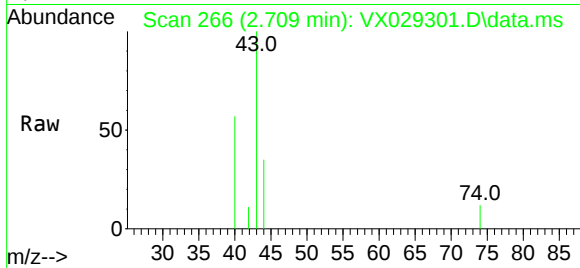




#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

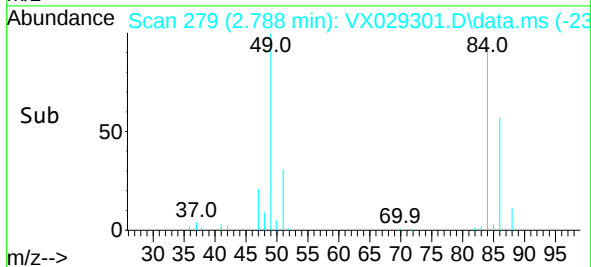
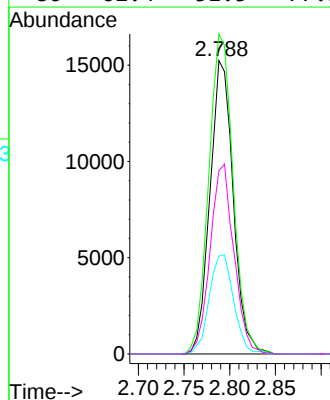
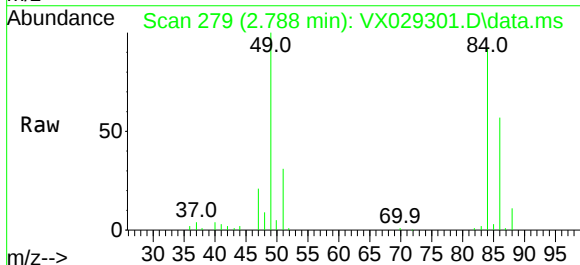
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ClientSampleId :
PB145355ZHE#05

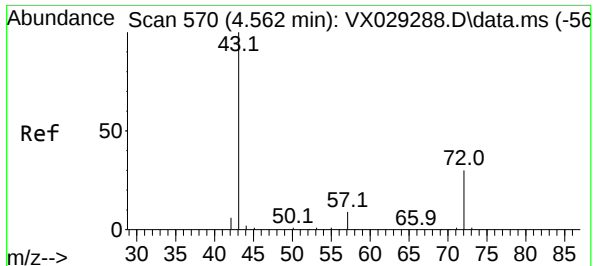
Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
74 20.5 22.8 34.2#



#20
Methylene Chloride
Concen: 3.749 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 84 Resp: 27016
Ion Ratio Lower Upper
84 100
49 109.0 85.5 128.3
51 33.3 26.6 39.8
86 62.4 51.5 77.3





#25

2-Butanone

Concen: 1.916 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX029301.D

Acq: 08 Jun 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

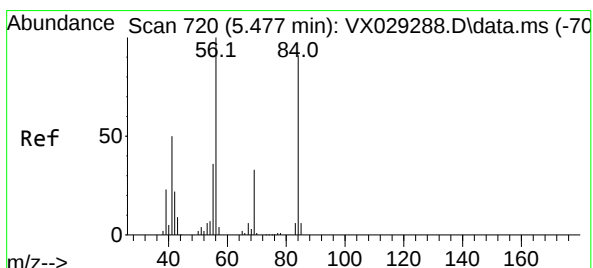
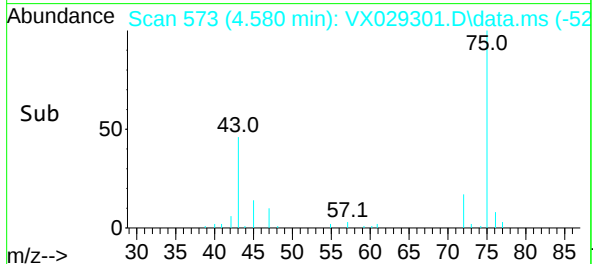
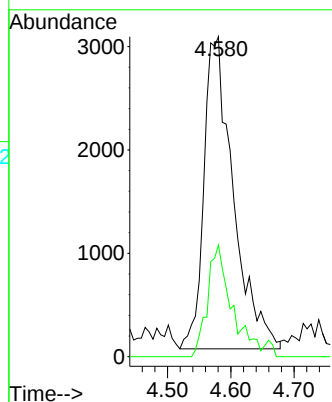
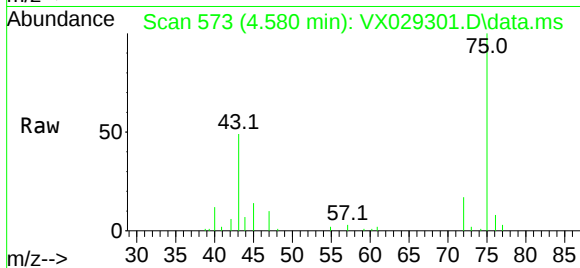
PB145355ZHE#05

Tgt Ion: 43 Resp: 9778

Ion Ratio Lower Upper

43 100

72 35.8 24.4 36.6



#31

Cyclohexane

Concen: 0.723 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX029301.D

Acq: 08 Jun 2022 02:17

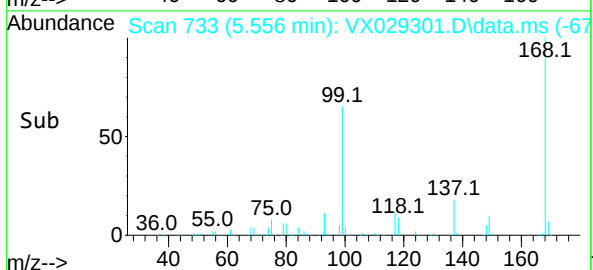
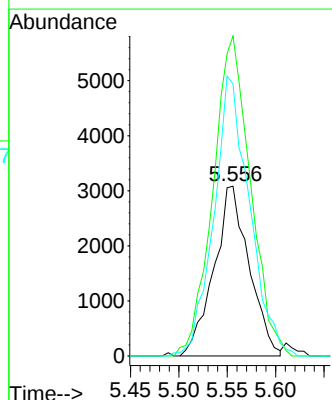
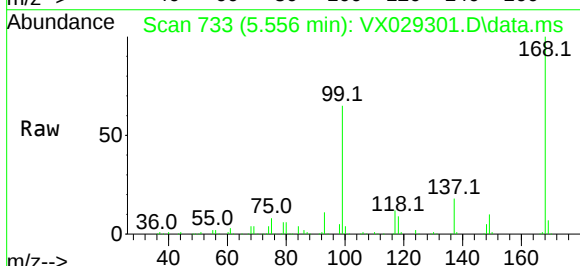
Tgt Ion: 56 Resp: 7813

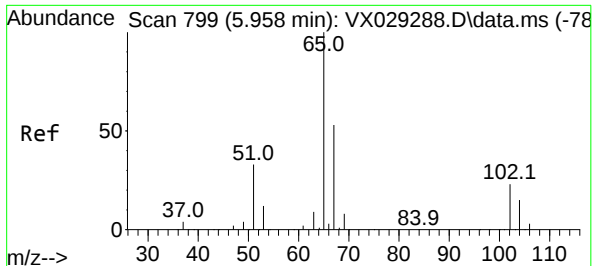
Ion Ratio Lower Upper

56 100

69 183.4 26.7 40.1#

84 158.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 41.173 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029301.D

Acq: 08 Jun 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

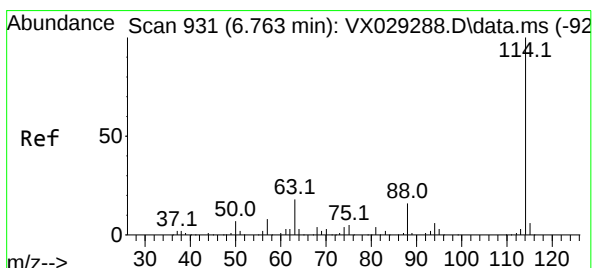
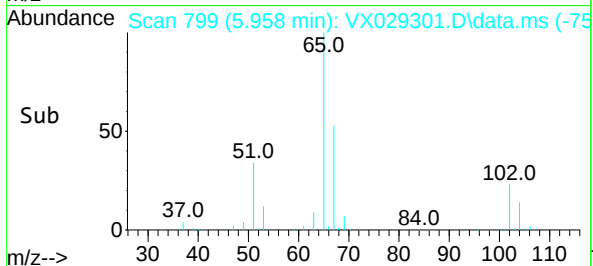
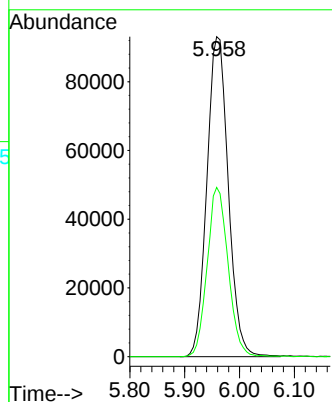
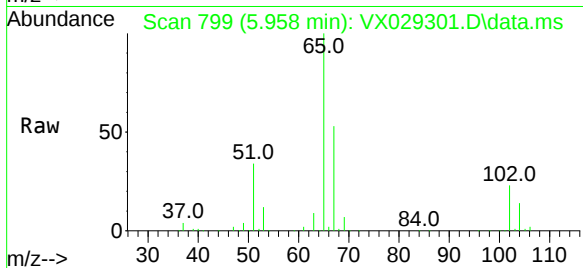
PB145355ZHE#05

Tgt Ion: 65 Resp: 251861

Ion Ratio Lower Upper

65 100

67 52.0 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: VX029301.D

Acq: 08 Jun 2022 02:17

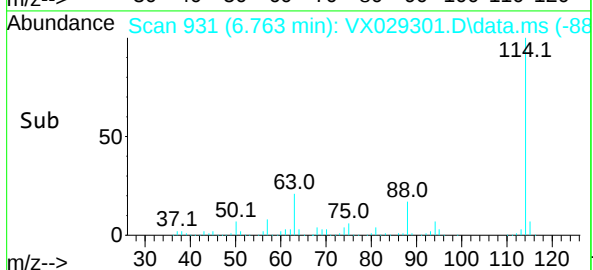
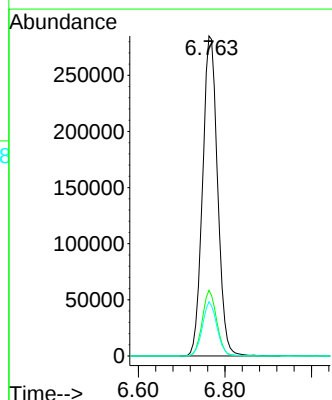
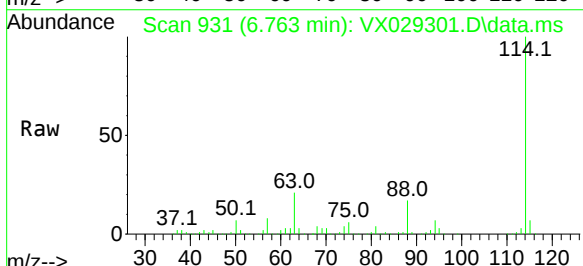
Tgt Ion: 114 Resp: 685117

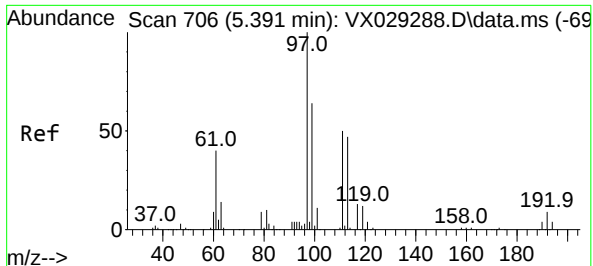
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.8

88 17.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 35.628 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029301.D

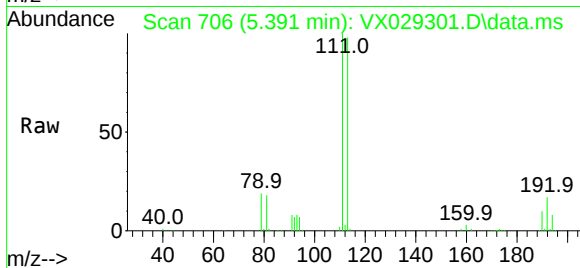
Acq: 08 Jun 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#05



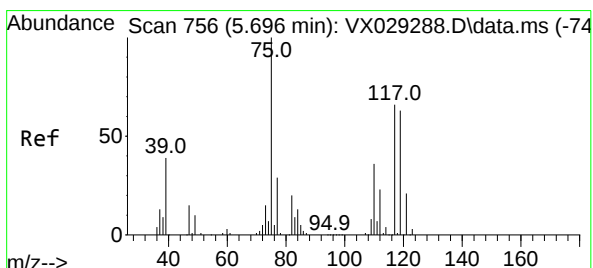
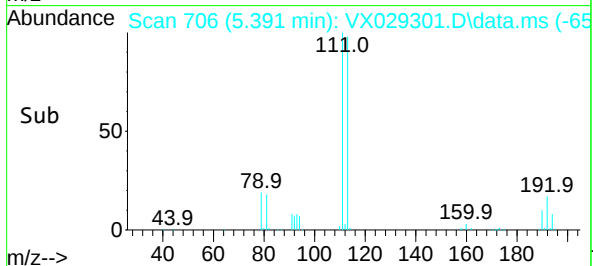
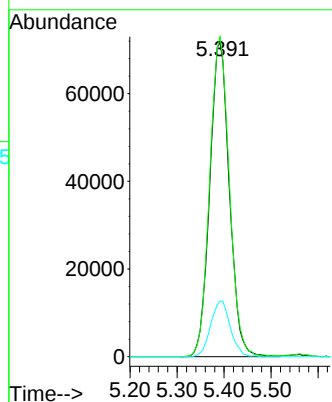
Tgt Ion:113 Resp: 207515

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

192 17.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 3.310 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029301.D

Acq: 08 Jun 2022 02:17

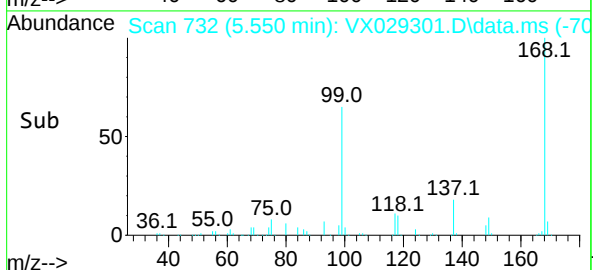
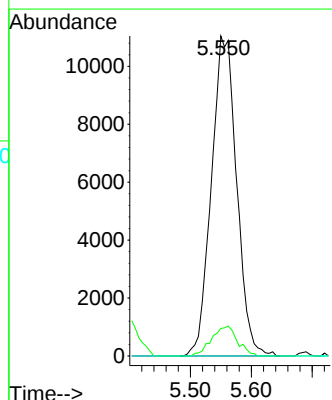
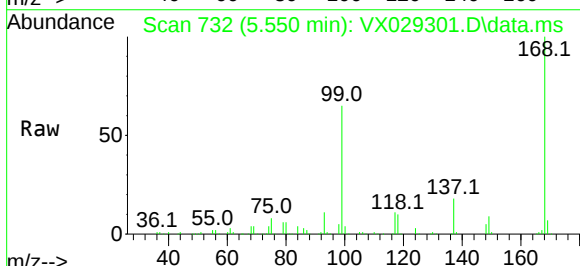
Tgt Ion: 75 Resp: 31844

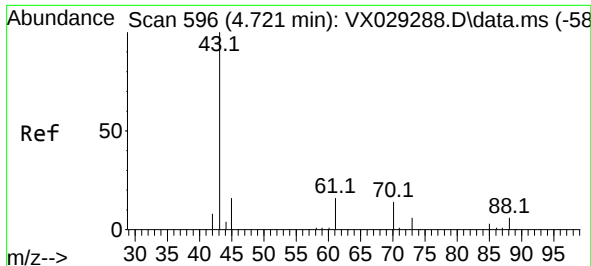
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.985 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.140 min

Lab File: VX029301.D

Acq: 08 Jun 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#05

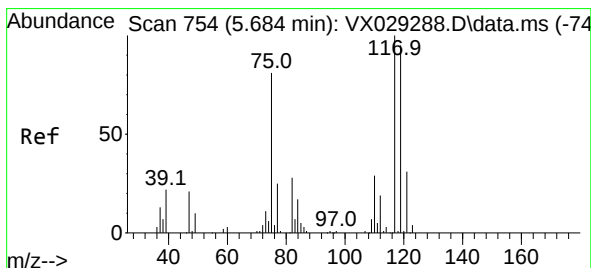
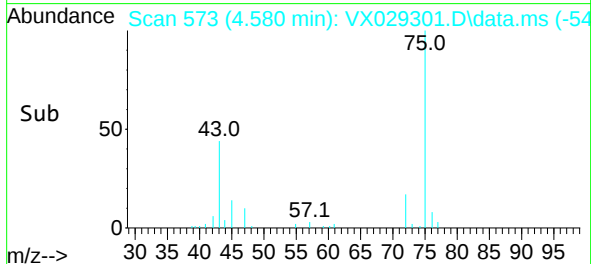
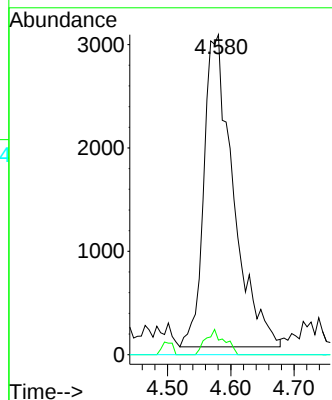
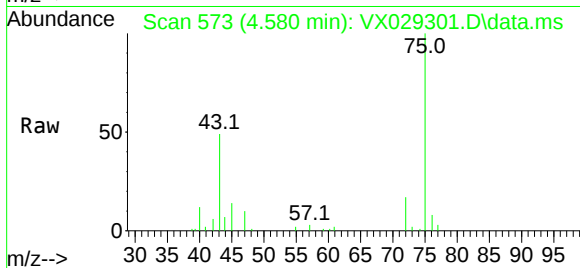
Tgt Ion: 43 Resp: 9778

Ion Ratio Lower Upper

43 100

61 5.1 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 4.444 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX029301.D

Acq: 08 Jun 2022 02:17

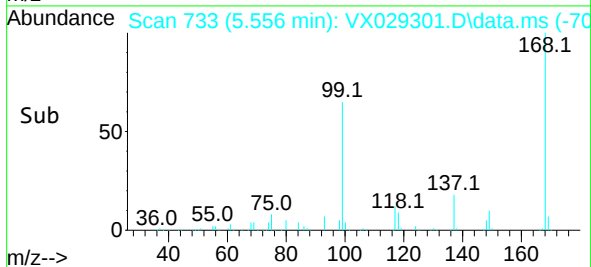
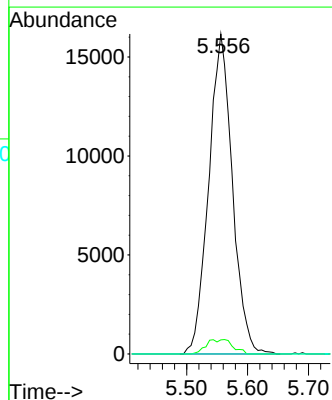
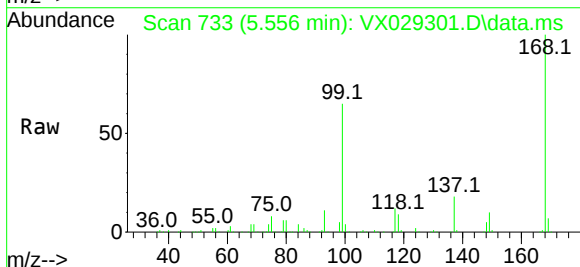
Tgt Ion: 117 Resp: 43698

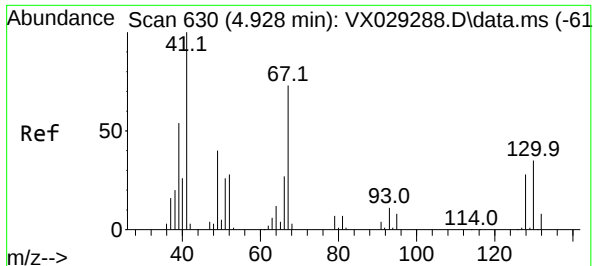
Ion Ratio Lower Upper

117 100

119 4.4 77.3 115.9#

121 0.0 24.2 36.2#

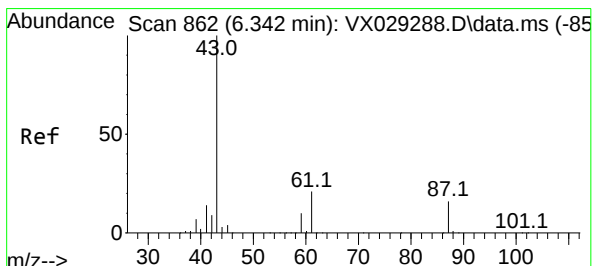
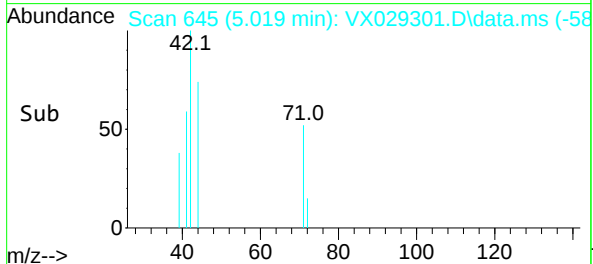
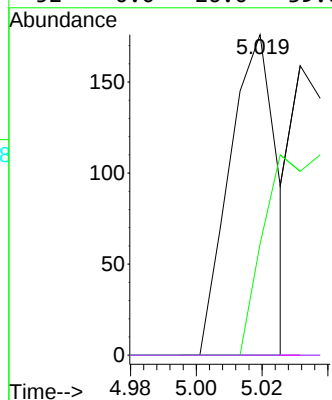
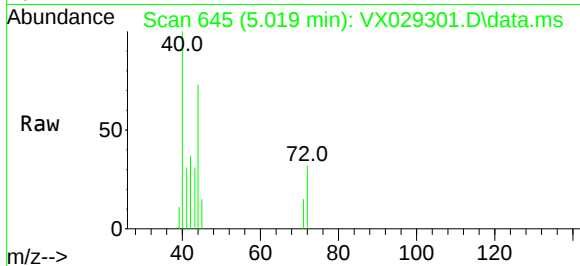




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

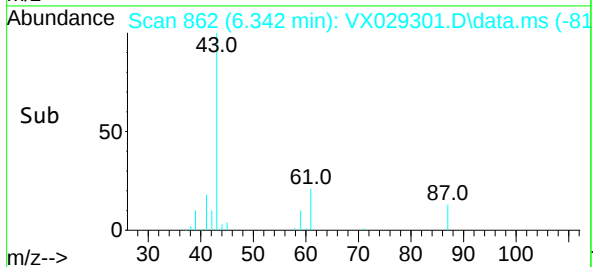
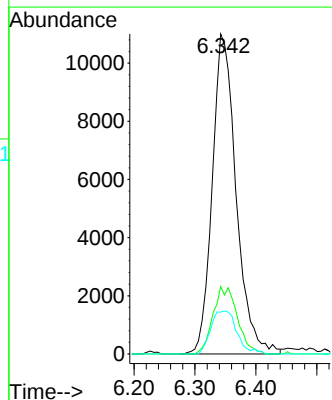
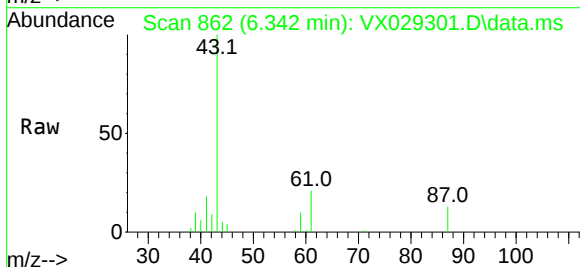
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#05

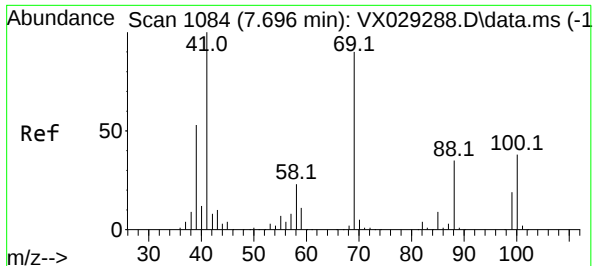
Tgt Ion: 41 Resp: 177
Ion Ratio Lower Upper
41 100
39 116.9 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



#43
Isopropyl Acetate
Concen: 2.007 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 43 Resp: 29939
Ion Ratio Lower Upper
43 100
61 21.4 18.5 27.7
87 14.6 13.0 19.6

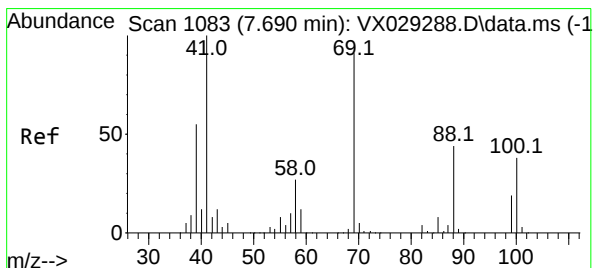
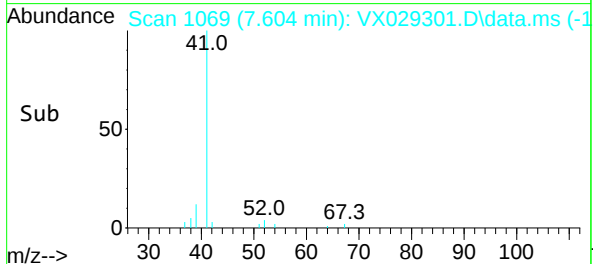
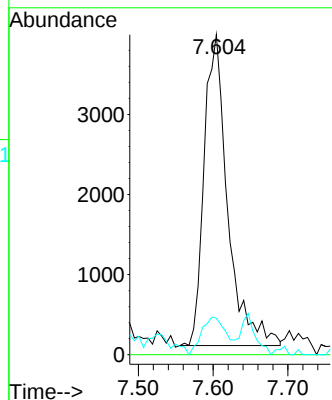
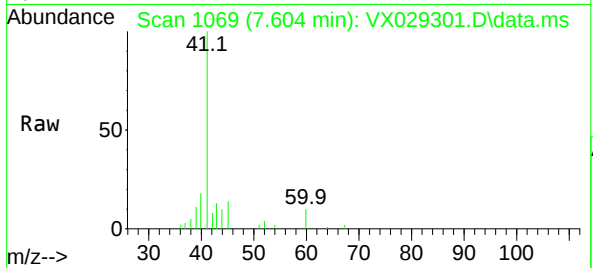




#48
Methyl methacrylate
Concen: 1.132 ug/l
RT: 7.604 min Scan# 1101
Delta R.T. -0.092 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

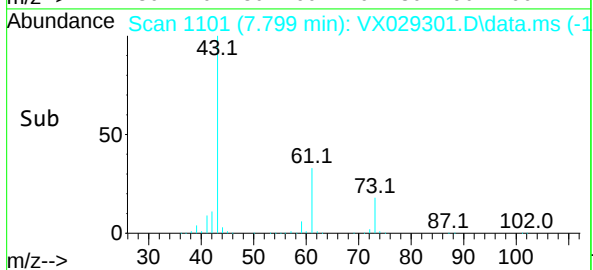
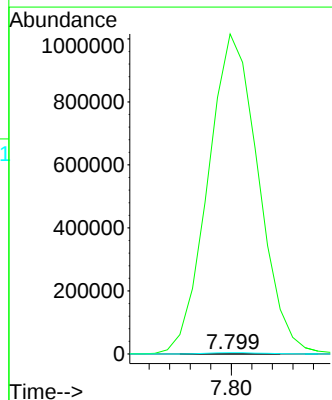
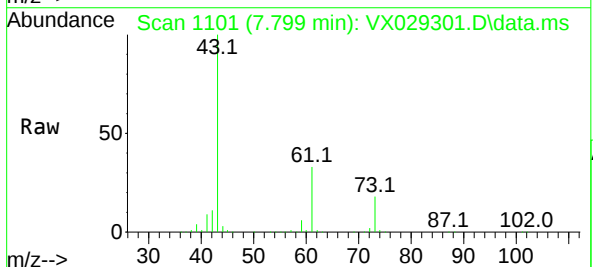
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#05

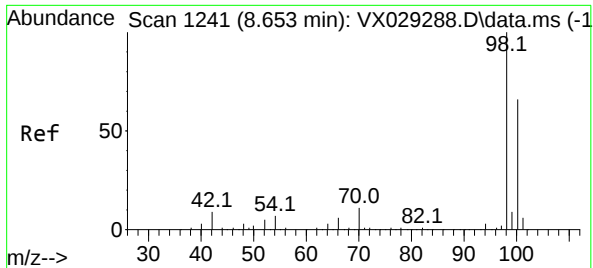
Tgt Ion: 41 Resp: 8497
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 1.300 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 88 Resp: 251
Ion Ratio Lower Upper
88 100
43 693908.4 21.9 32.9#
58 3170.1 53.7 80.5#

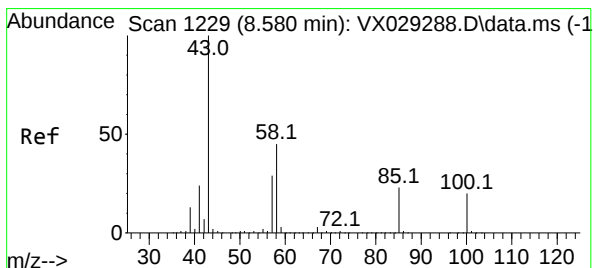
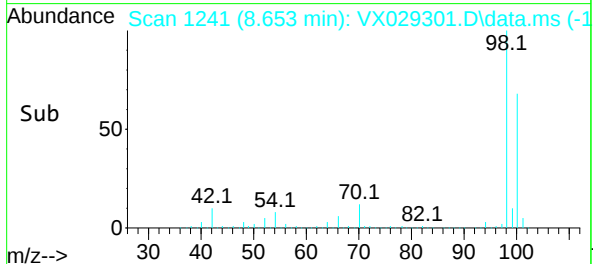
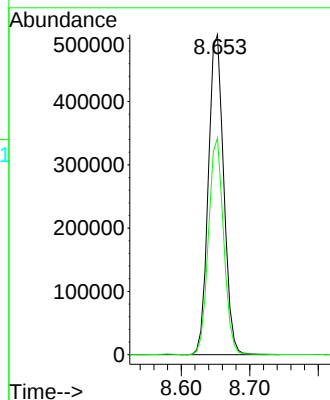
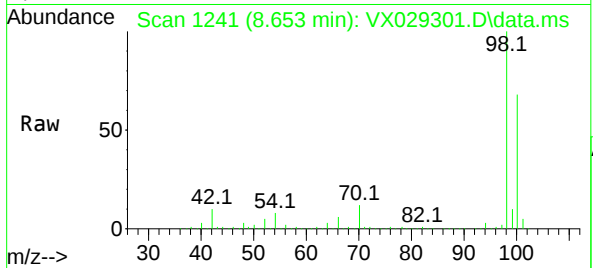




#50
Toluene-d8
Concen: 38.281 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

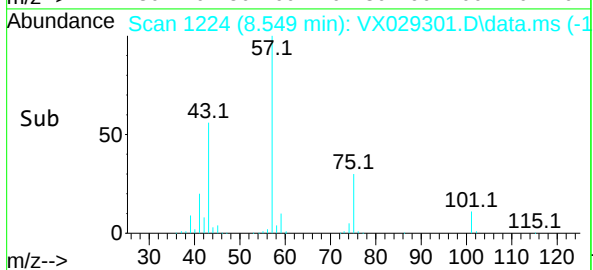
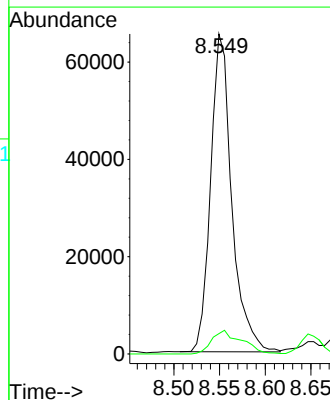
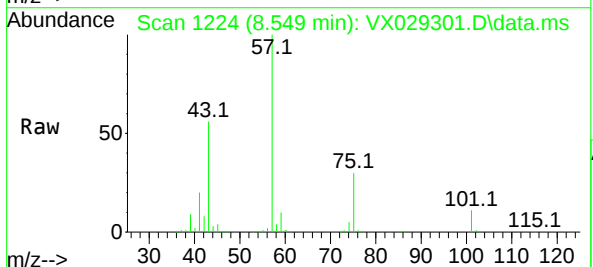
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#05

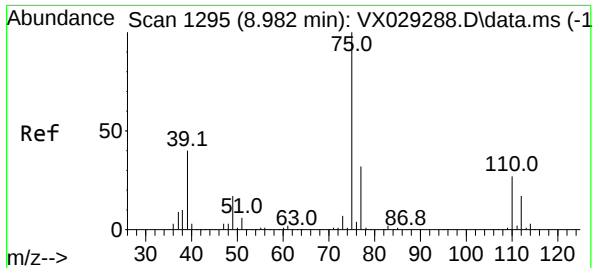
Tgt Ion: 98 Resp: 788562
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 10.756 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 43 Resp: 105031
Ion Ratio Lower Upper
43 100
58 10.5 36.1 54.1#

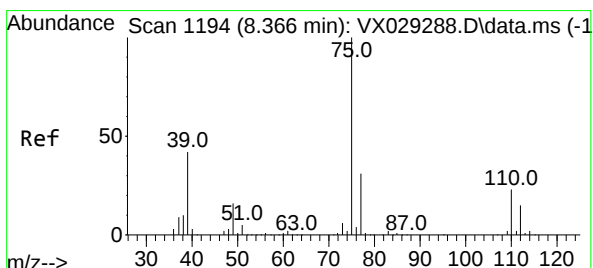
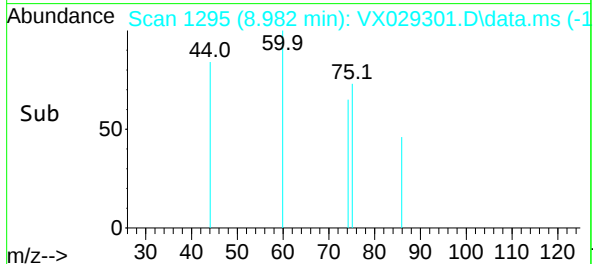
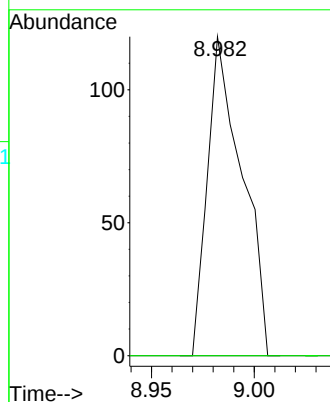
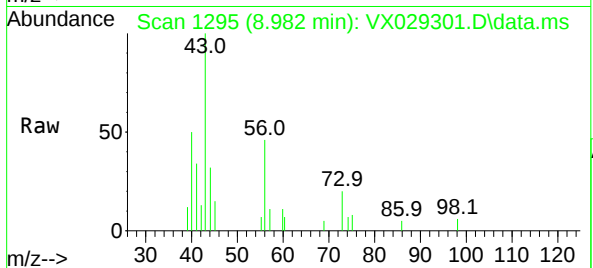




#53
 t-1,3-Dichloropropene
 Concen: 1.329 ug/l
 RT: 8.982 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029301.D
 Acq: 08 Jun 2022 02:17

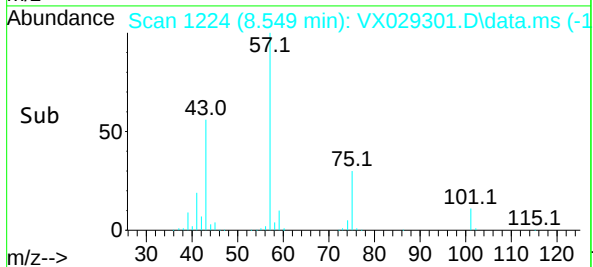
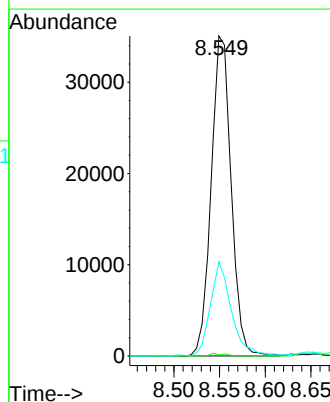
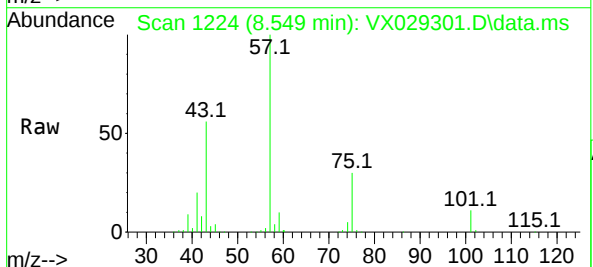
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#05

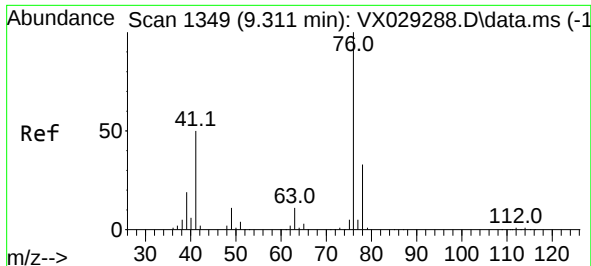
Tgt Ion: 75 Resp: 140
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 4.927 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX029301.D
 Acq: 08 Jun 2022 02:17

Tgt Ion: 75 Resp: 53260
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.8 37.2#
 39 29.1 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 2.801 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX029301.D

Acq: 08 Jun 2022 02:17

Instrument :

MSVOA_X

ClientSampleId :

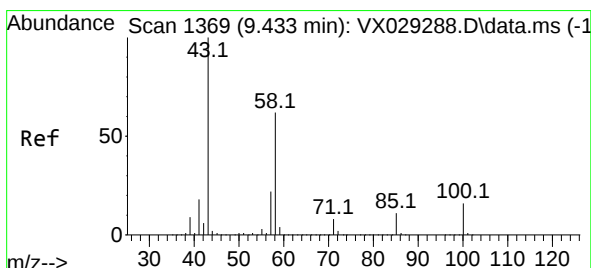
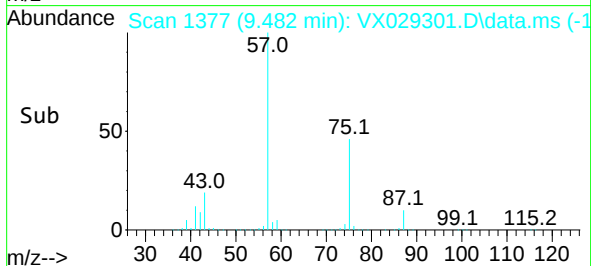
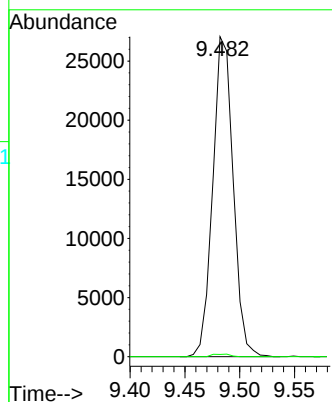
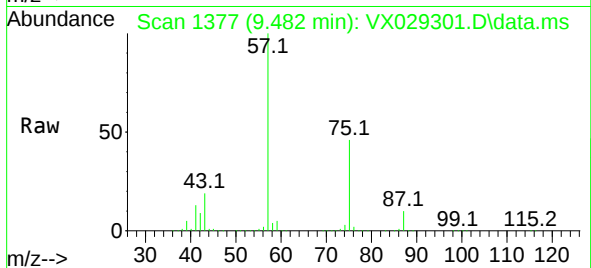
PB145355ZHE#05

Tgt Ion: 76 Resp: 35118

Ion Ratio Lower Upper

76 100

78 0.7 25.8 38.8#



#59

2-Hexanone

Concen: 55.667 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX029301.D

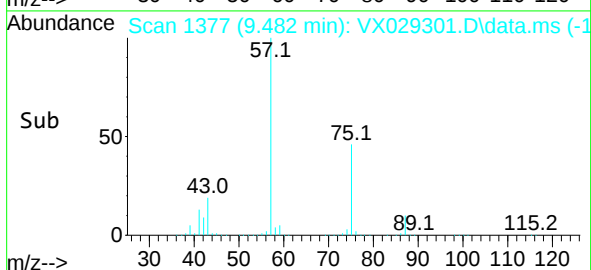
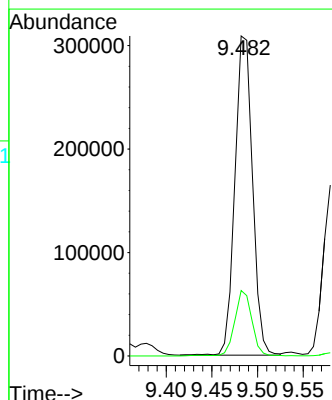
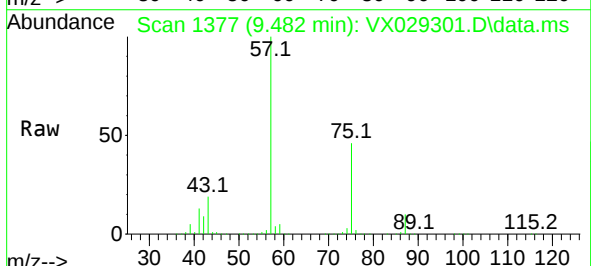
Acq: 08 Jun 2022 02:17

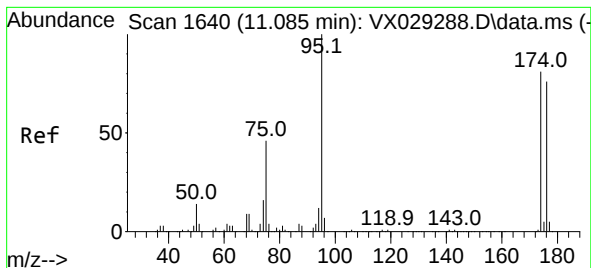
Tgt Ion: 43 Resp: 413290

Ion Ratio Lower Upper

43 100

58 19.6 31.9 95.7#

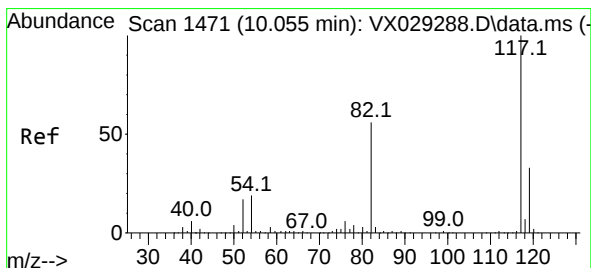
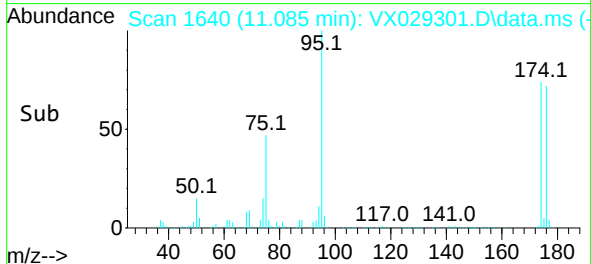
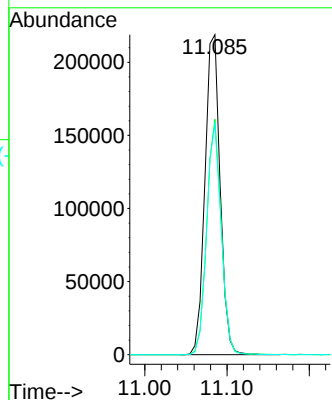
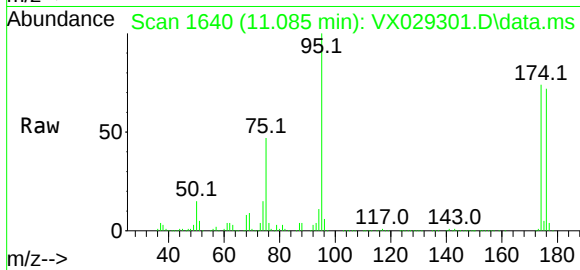




#62
4-Bromofluorobenzene
Concen: 34.879 ug/l
RT: 11.085 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

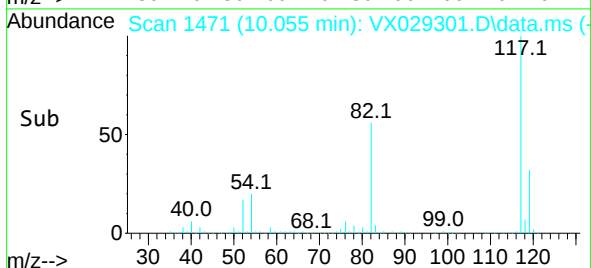
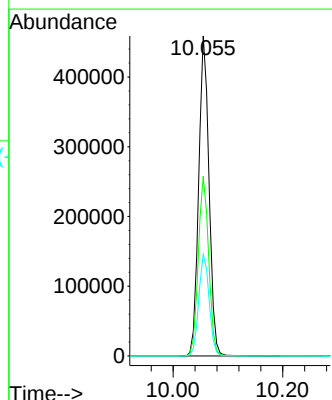
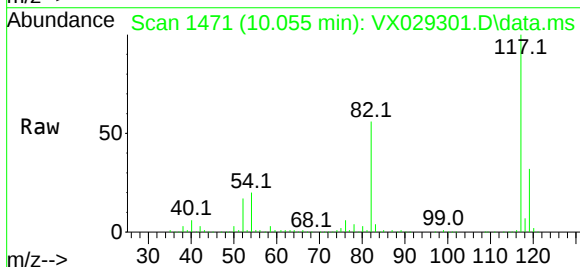
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#05

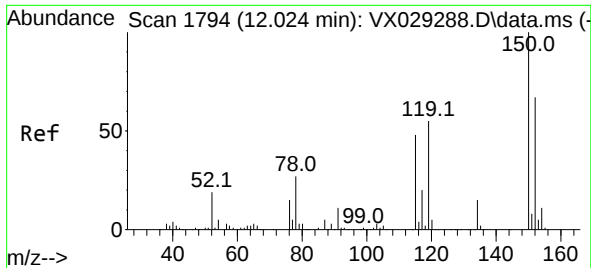
Tgt Ion: 95 Resp: 281173
Ion Ratio Lower Upper
95 100
174 70.3 0.0 163.0
176 69.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 117 Resp: 602994
Ion Ratio Lower Upper
117 100
82 56.1 41.8 62.8
119 31.7 24.8 37.2

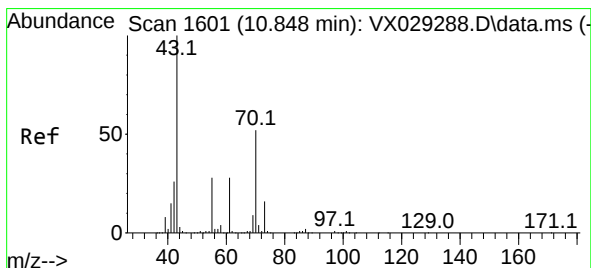
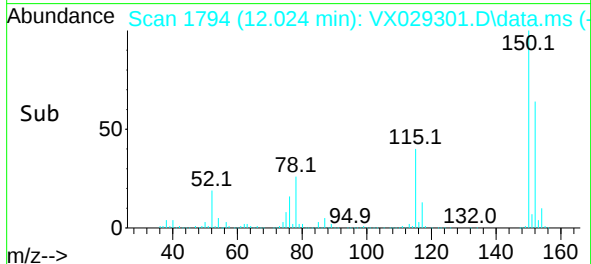
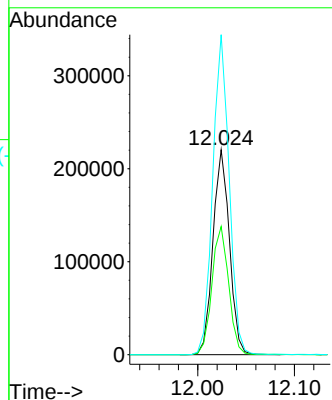
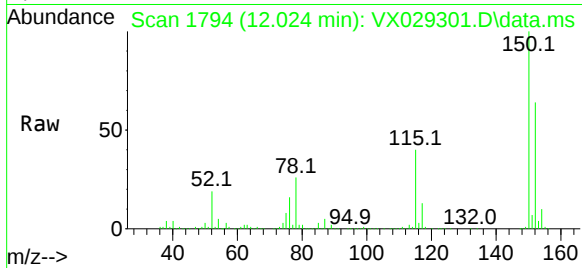




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

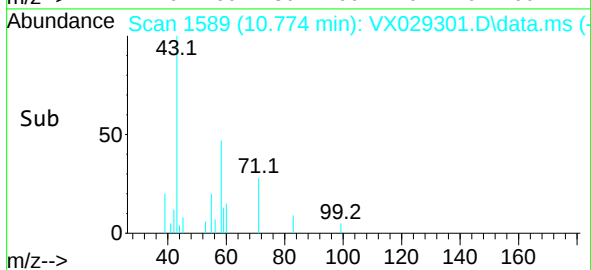
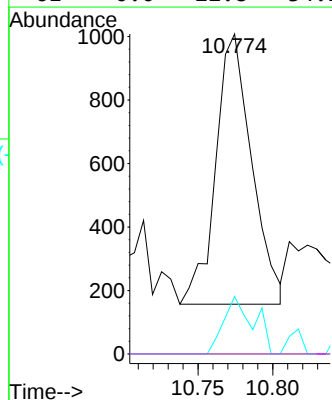
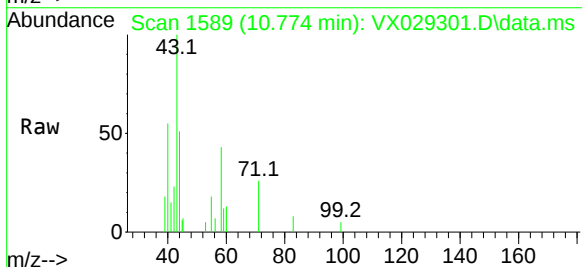
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#05

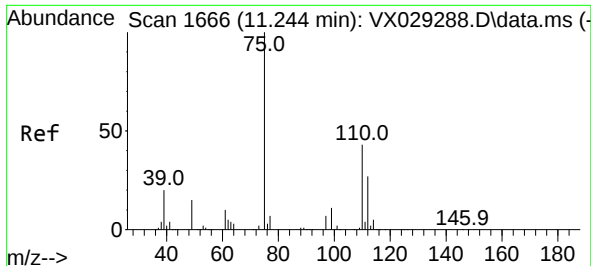
Tgt Ion:152 Resp: 260963
Ion Ratio Lower Upper
152 100
115 63.7 37.5 112.7
150 155.9 0.0 338.2



#74
N-ethyl acetate
Concen: 0.205 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 43 Resp: 1426
Ion Ratio Lower Upper
43 100
70 0.0 42.5 63.7#
55 17.8 23.1 34.7#
61 0.0 22.8 34.2#

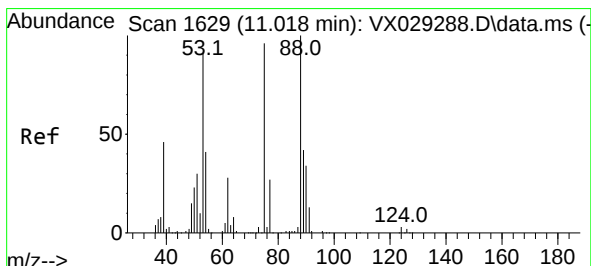
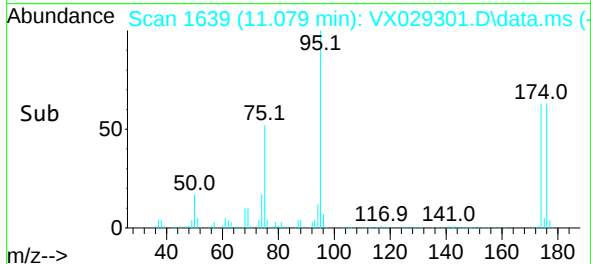
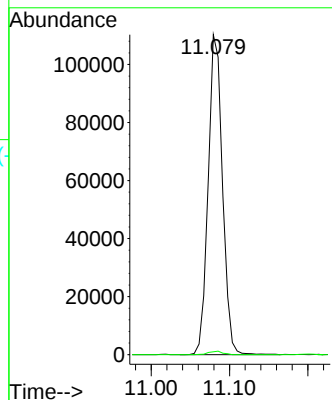
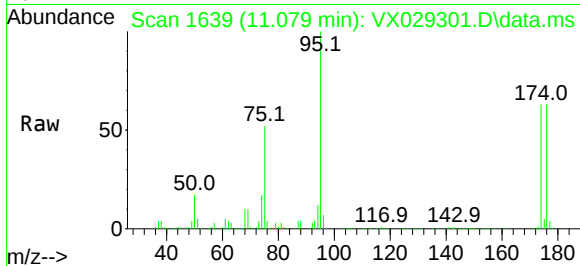




#76
1,2,3-Trichloropropane
Concen: 22.901 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#05

Tgt Ion: 75 Resp: 139590
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.286 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029301.D
Acq: 08 Jun 2022 02:17

Tgt Ion: 75 Resp: 139590
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

