

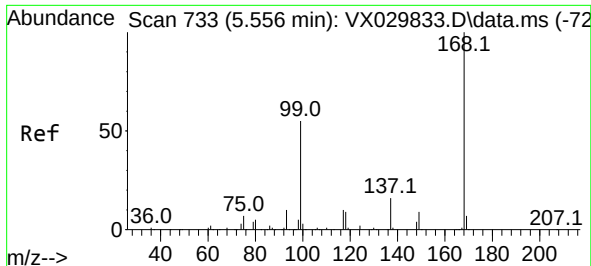
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029926.D
 Acq On : 05 Jul 2022 17:26
 Operator : JC/MD
 Sample : PB145991ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#12

Quant Time: Jul 06 06:57:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	204003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	356882	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	304718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112447	43.545	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.080%
35) Dibromofluoromethane	5.391	113	101876	45.678	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.360%
50) Toluene-d8	8.653	98	398720	47.654	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.300%
62) 4-Bromofluorobenzene	11.085	95	134799	45.577	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.160%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	421	0.335	ug/l	95
6) Chloroethane	1.697	64	163	1.132	ug/l #	41
13) Acrolein	2.245	56	26	Below Cal	#	14
16) Acetone	2.386	43	20917	16.557	ug/l	100
18) Methyl Acetate	2.709	43	1661	0.426	ug/l #	89
20) Methylene Chloride	2.794	84	11293	4.233	ug/l	94
25) 2-Butanone	4.580	43	6322	2.883	ug/l #	73
29) Tetrahydrofuran	5.038	42	1075	0.745	ug/l #	75
31) Cyclohexane	5.562	56	3992	1.109	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	15006	5.059	ug/l #	48
37) Ethyl Acetate	4.727	43	17936	4.421	ug/l	95
38) Carbon Tetrachloride	5.556	117	18861	7.338	ug/l #	17
43) Isopropyl Acetate	6.348	43	75965	12.434	ug/l	100
44) Trichloroethene	7.123	130	1356	0.525	ug/l	79
48) Methyl methacrylate	7.604	41	2590	0.894	ug/l #	13
49) 1,4-Dioxane	7.690	88	49	0.714	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	59934	14.877	ug/l #	53
54) cis-1,3-Dichloropropene	8.555	75	29073	8.126	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	3742	0.922	ug/l #	43
59) 2-Hexanone	9.482	43	50133	16.036	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	61864	19.820	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	1646	0.210	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	61864	62.944	ug/l #	13

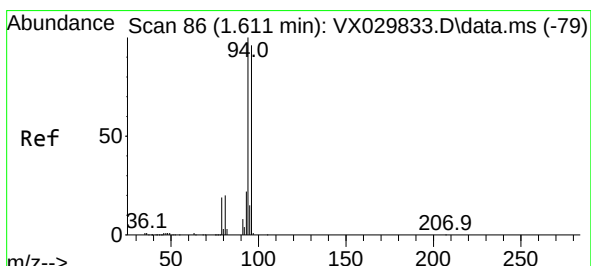
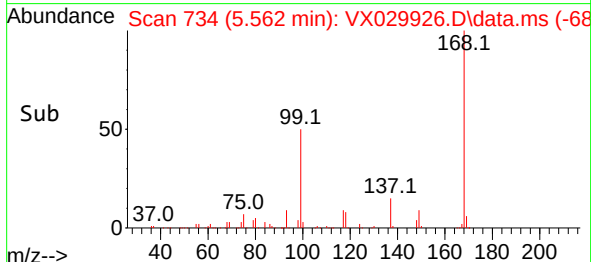
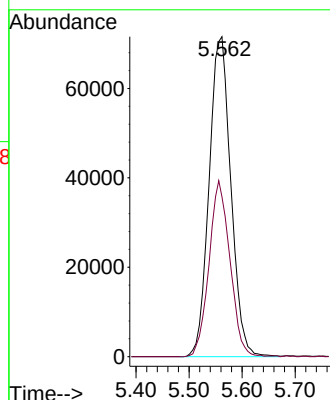
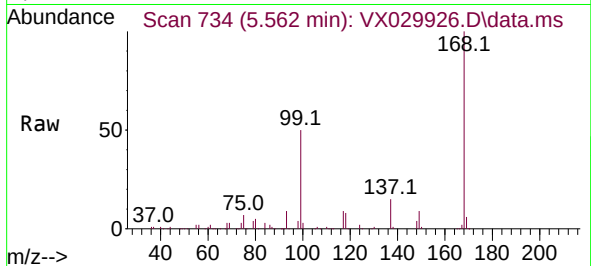
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

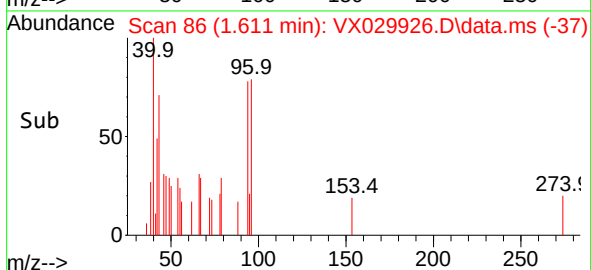
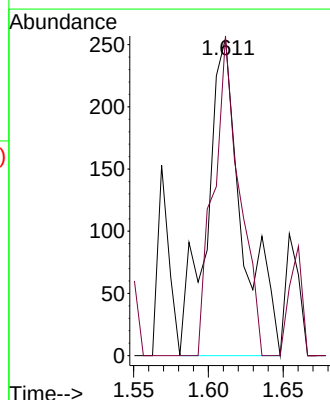
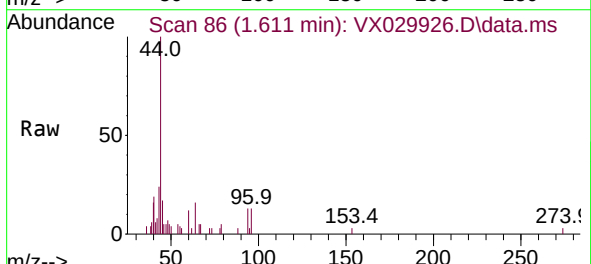
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#12

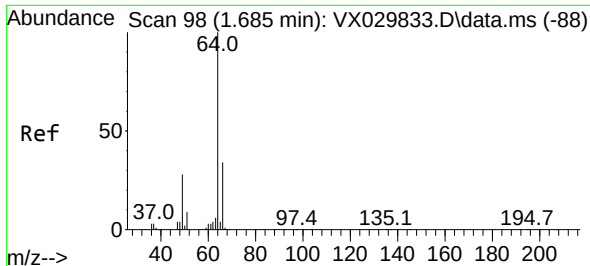
Tgt Ion:168 Resp: 204003
Ion Ratio Lower Upper
168 100
99 49.9 44.0 66.0



#5
Bromomethane
Concen: 0.335 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

Tgt Ion: 94 Resp: 421
Ion Ratio Lower Upper
94 100
96 100.8 76.9 115.3

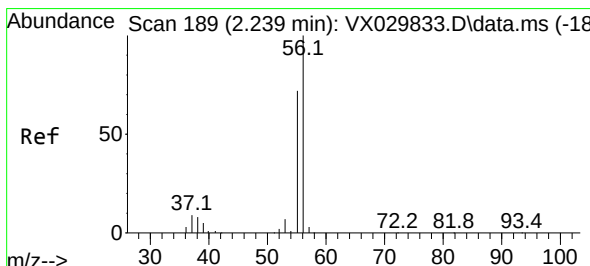
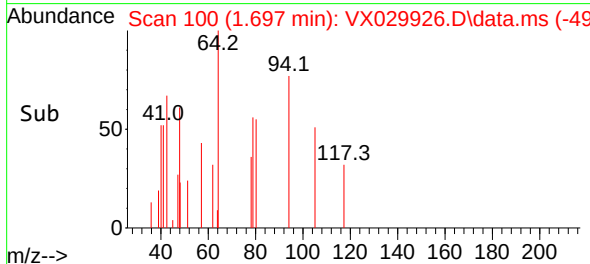
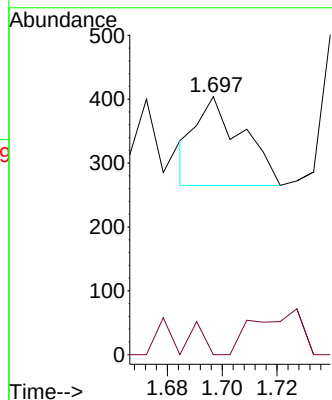
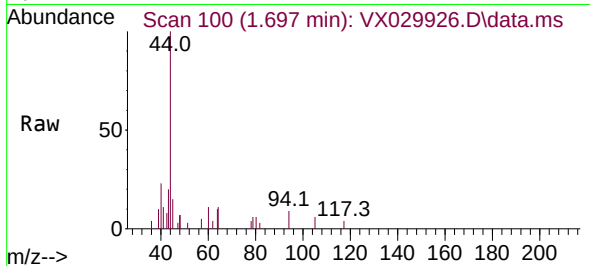




#6
Chloroethane
Concen: 1.132 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

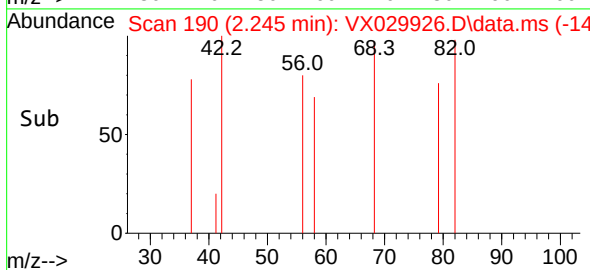
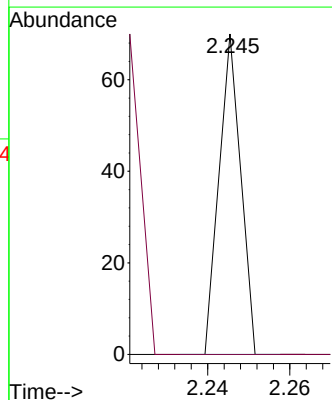
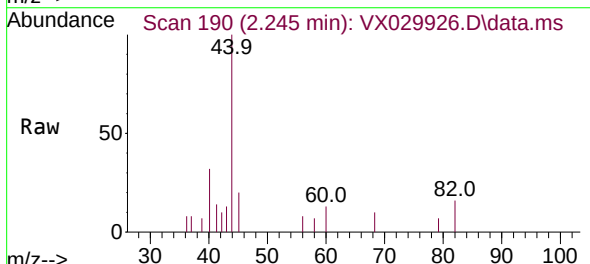
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#12

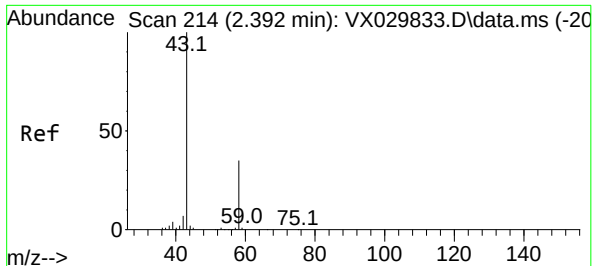
Tgt Ion: 64 Resp: 163
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#13
Acrolein
Concen: Below Cal
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

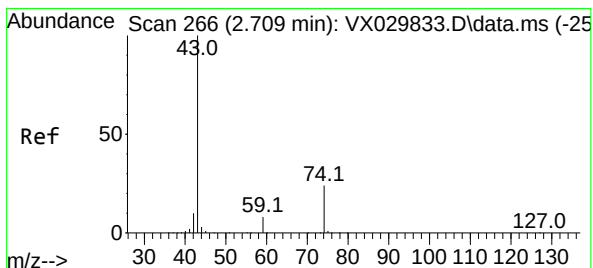
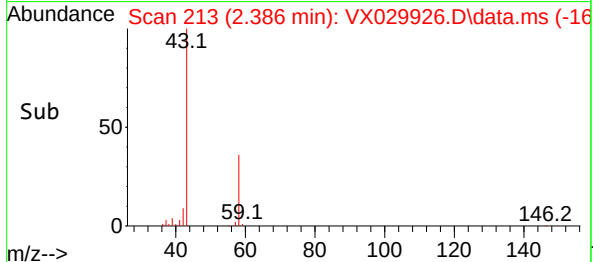
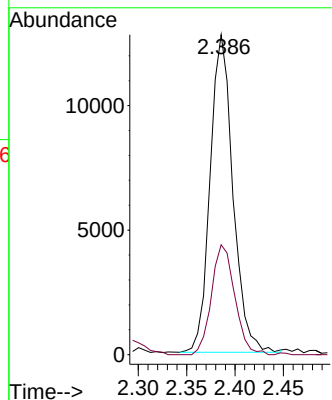
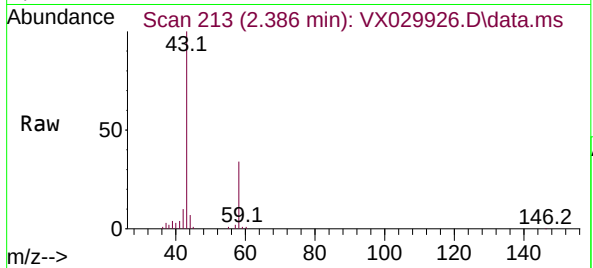




#16
Acetone
Concen: 16.557 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

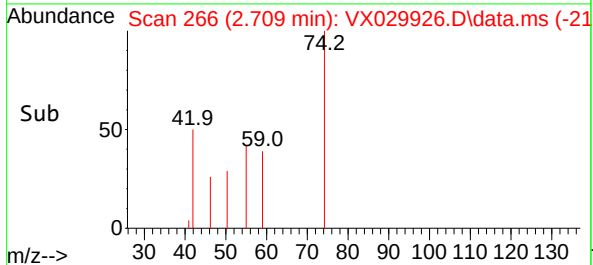
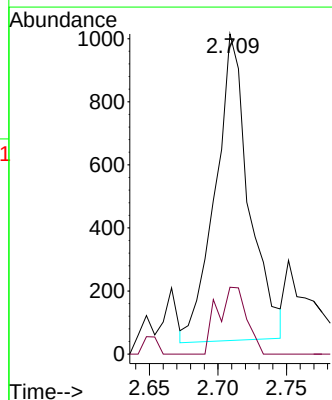
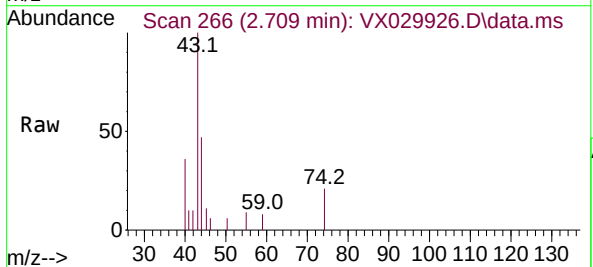
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#12

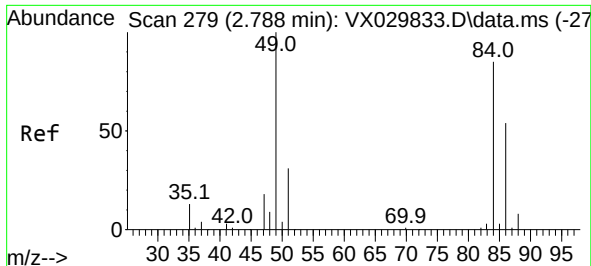
Tgt Ion: 43 Resp: 20917
Ion Ratio Lower Upper
43 100
58 34.6 27.7 41.5



#18
Methyl Acetate
Concen: 0.426 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

Tgt Ion: 43 Resp: 1661
Ion Ratio Lower Upper
43 100
74 19.0 19.4 29.2#

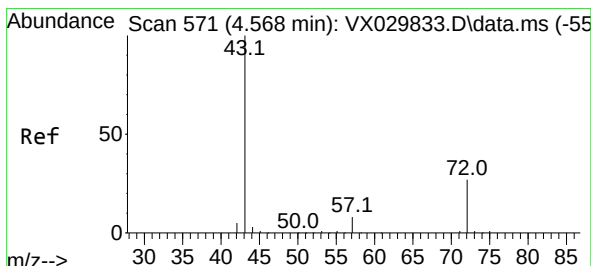
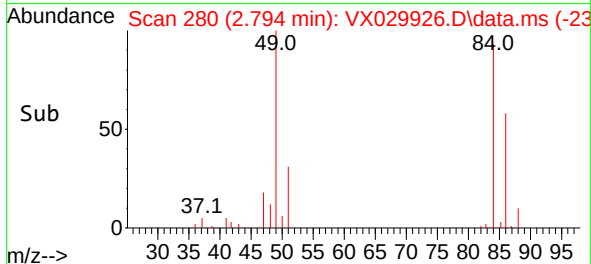
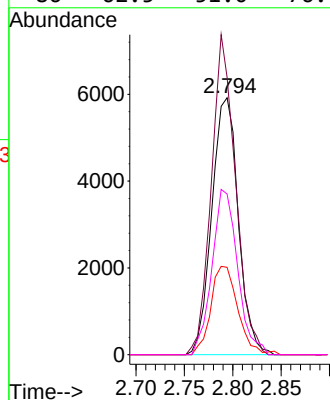
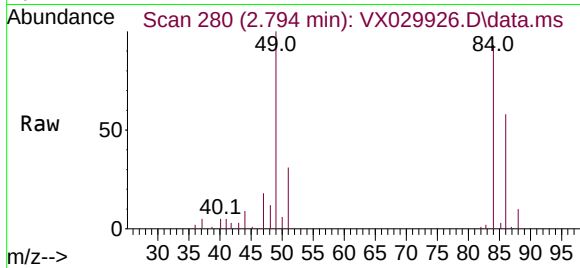




#20
Methylene Chloride
Concen: 4.233 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

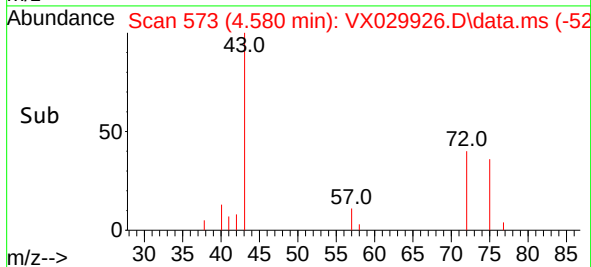
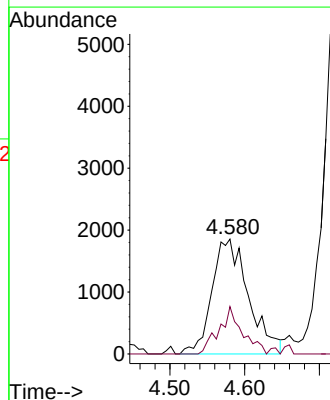
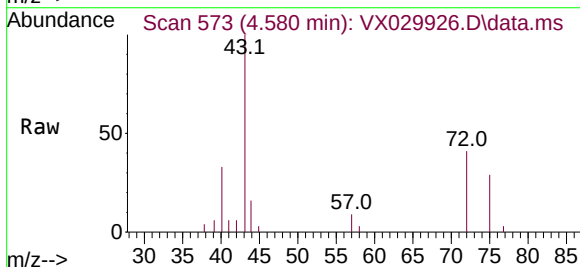
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#12

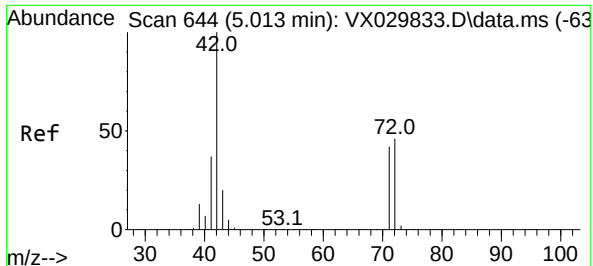
Tgt Ion: 84	Resp: 11293
Ion Ratio	Lower Upper
84 100	
49 107.9	93.8 140.6
51 34.0	29.4 44.0
86 62.5	51.0 76.4



#25
2-Butanone
Concen: 2.883 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

Tgt Ion: 43	Resp: 6322		
Ion Ratio	Lower	Upper	
43 100			
72 41.2	21.7	32.5#	





#29

Tetrahydrofuran

Concen: 0.745 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#12

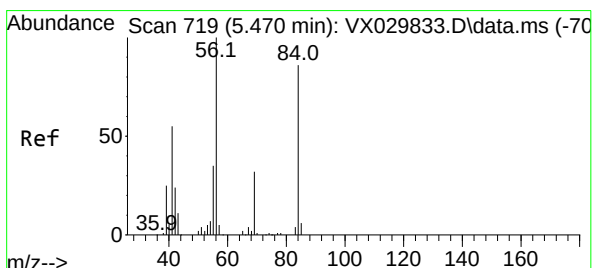
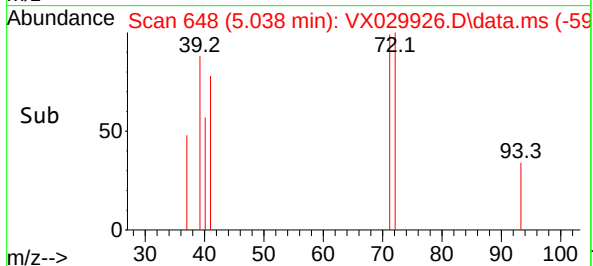
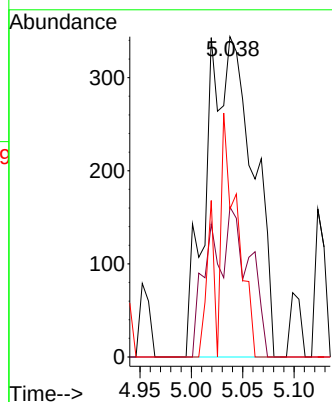
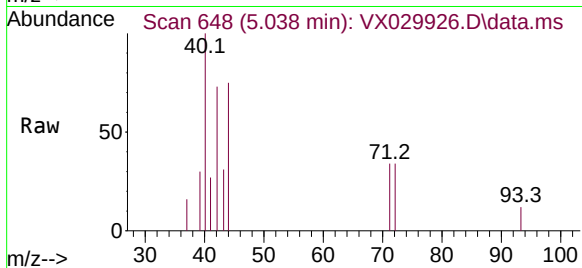
Tgt Ion: 42 Resp: 1075

Ion Ratio Lower Upper

42 100

72 22.6 36.5 54.7#

71 33.6 33.9 50.9#



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

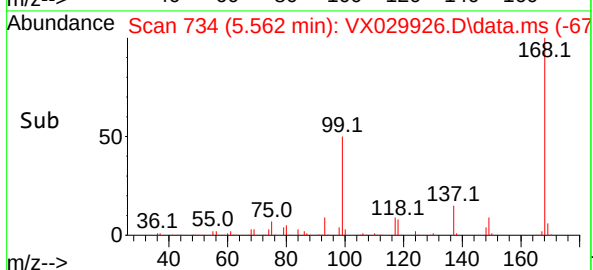
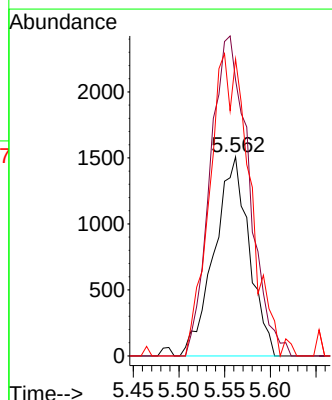
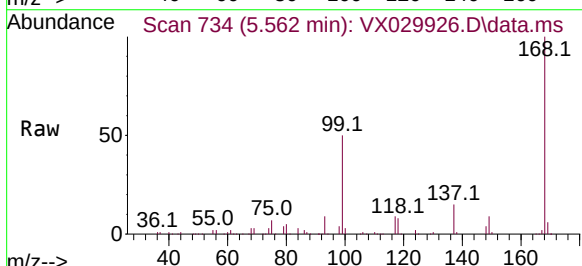
Tgt Ion: 56 Resp: 3992

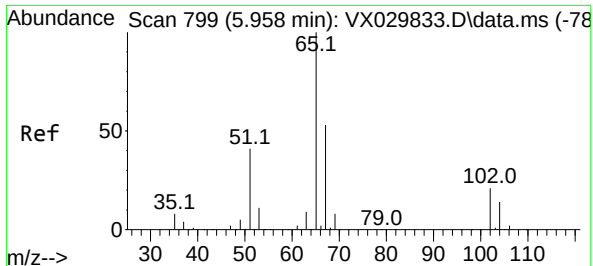
Ion Ratio Lower Upper

56 100

69 138.7 25.4 38.0#

84 149.2 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.545 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

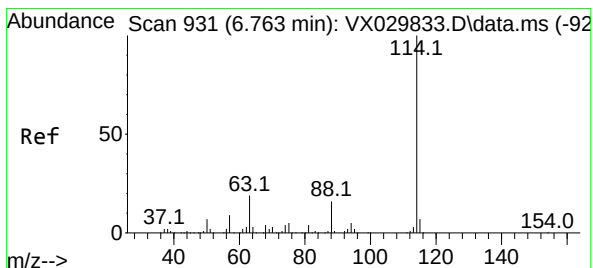
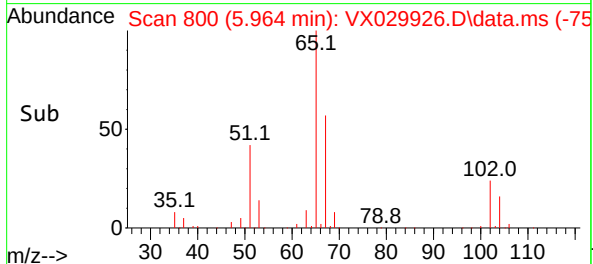
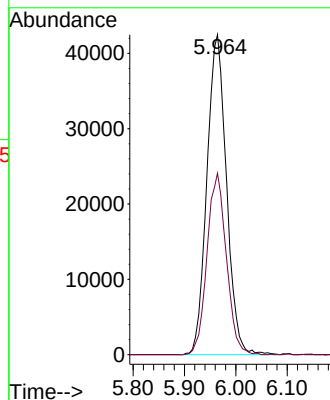
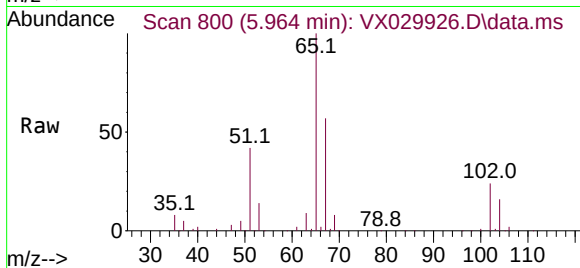
PB145991ZHE#12

Tgt Ion: 65 Resp: 112447

Ion Ratio Lower Upper

65 100

67 56.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

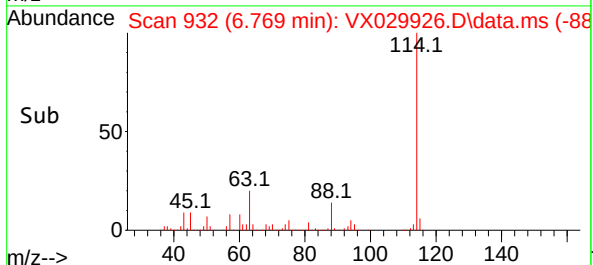
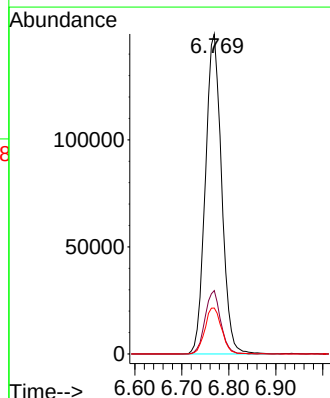
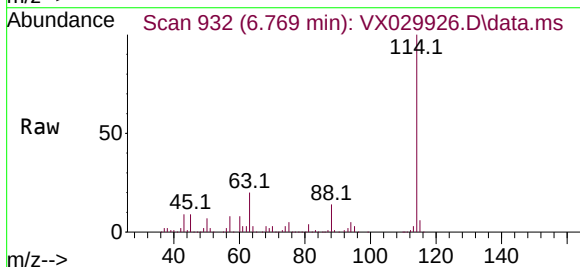
Tgt Ion: 114 Resp: 356882

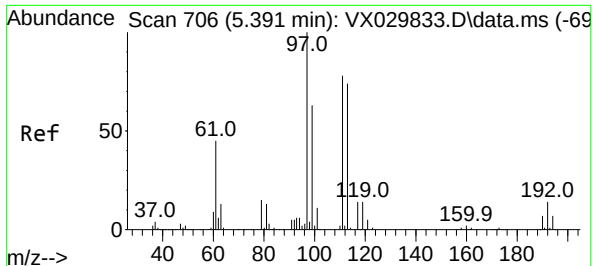
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

88 14.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 45.678 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#12

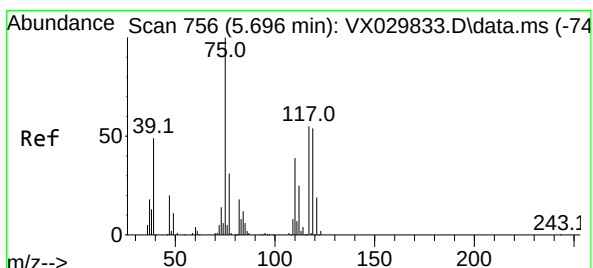
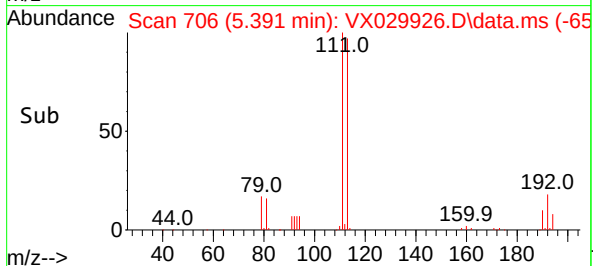
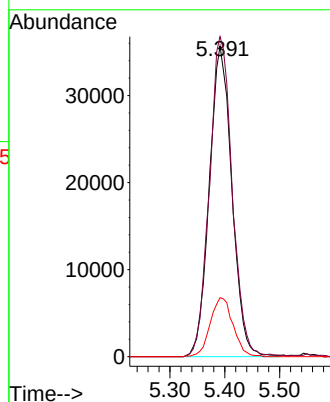
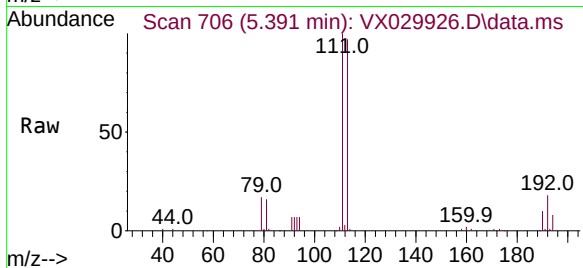
Tgt Ion:113 Resp: 101876

Ion Ratio Lower Upper

113 100

111 104.3 83.2 124.8

192 19.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.059 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

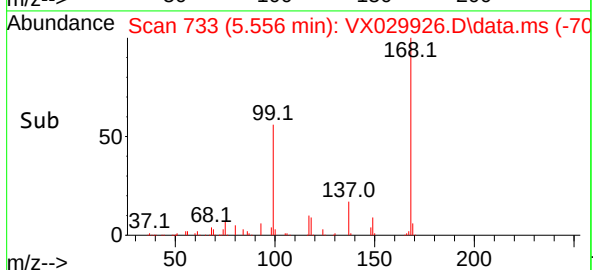
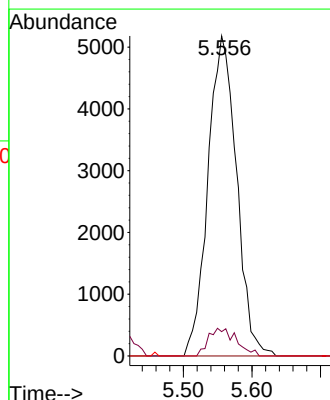
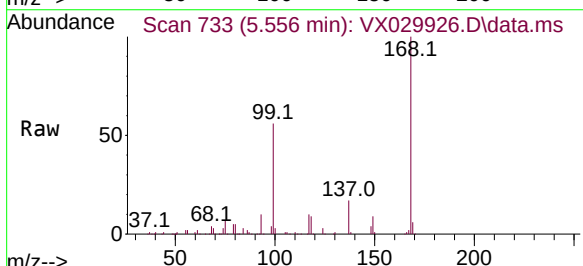
Tgt Ion: 75 Resp: 15006

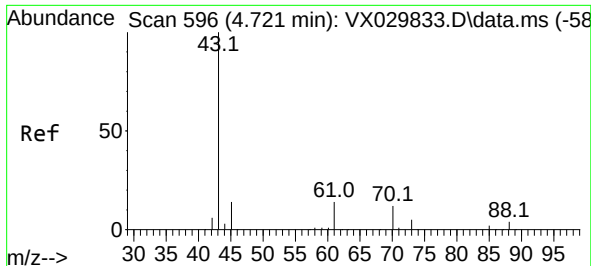
Ion Ratio Lower Upper

75 100

110 8.4 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.421 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

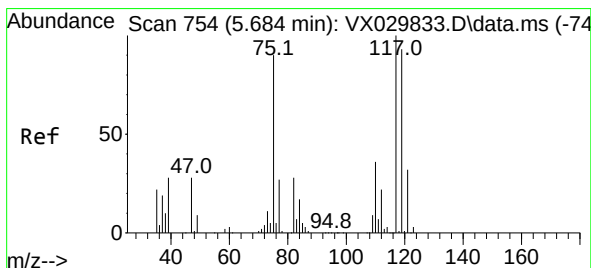
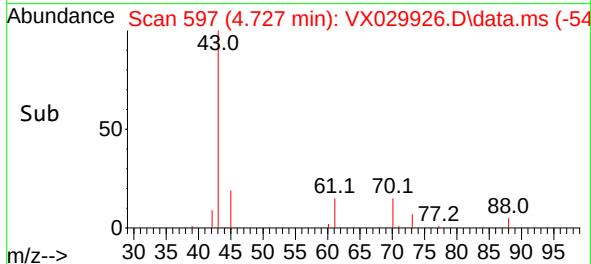
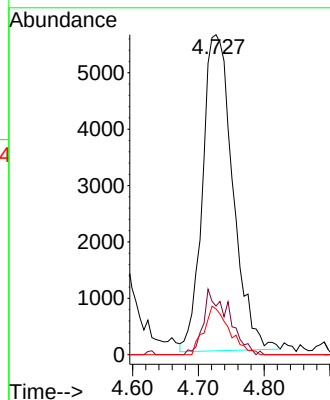
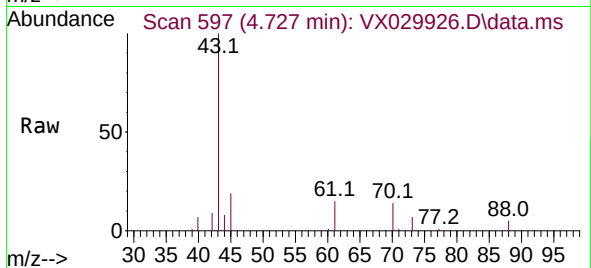
Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#12

Tgt Ion:	43	Resp:	17936
Ion	Ratio	Lower	Upper
43	100		
61	17.4	11.7	17.5
70	12.8	9.3	13.9



#38

Carbon Tetrachloride

Concen: 7.338 ug/l

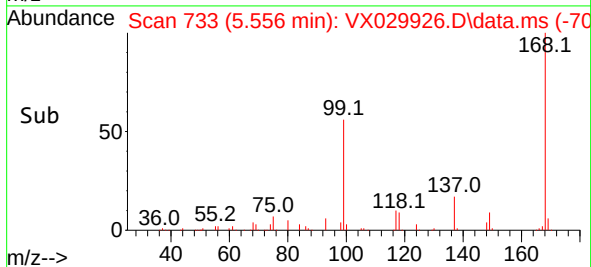
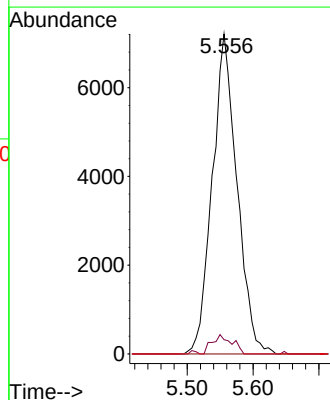
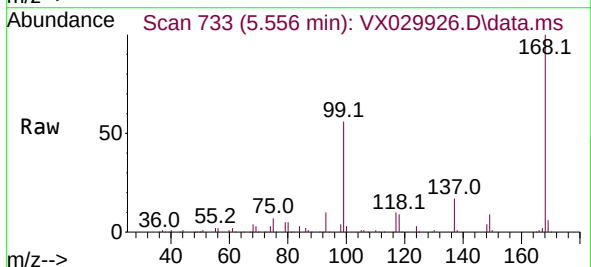
RT: 5.556 min Scan# 733

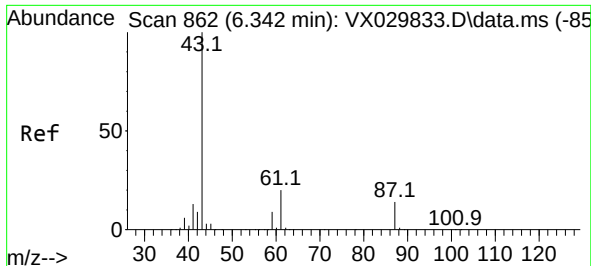
Delta R.T. -0.128 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

Tgt Ion:	117	Resp:	18861
Ion	Ratio	Lower	Upper
117	100		
119	4.4	74.1	111.1#
121	0.0	25.8	38.8#

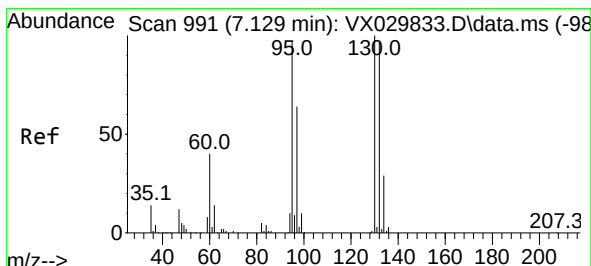
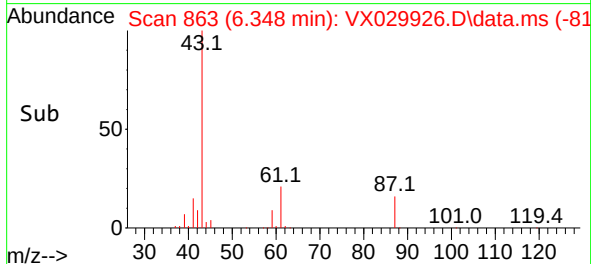
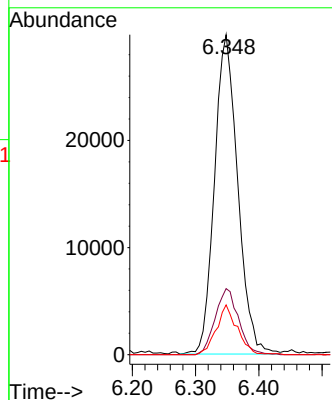
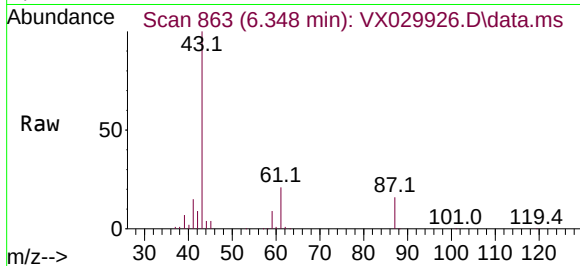




#43
Isopropyl Acetate
Concen: 12.434 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

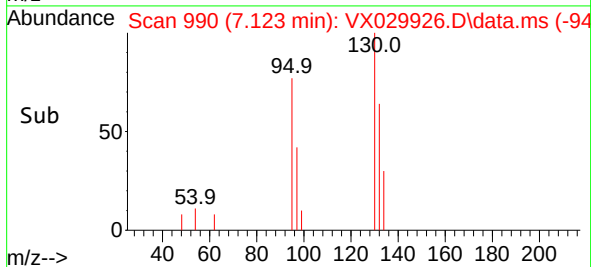
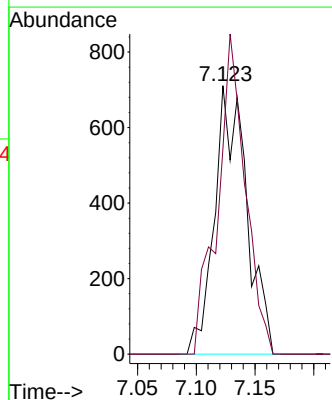
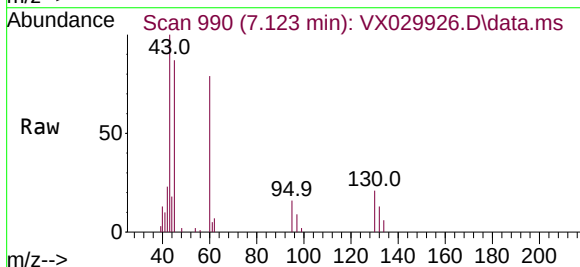
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#12

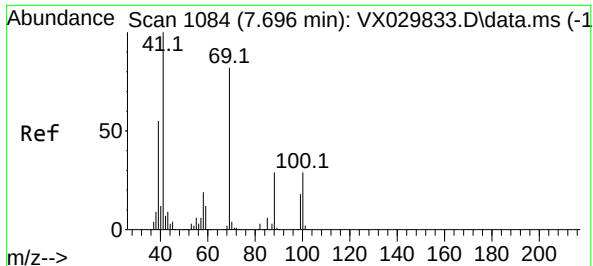
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.8	16.5	24.7
87	14.0	11.1	16.7



#44
Trichloroethene
Concen: 0.525 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	76.5	0.0	194.8





#48

Methyl methacrylate

Concen: 0.894 ug/l

RT: 7.604 min Scan# 1069

Delta R.T. -0.091 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#12

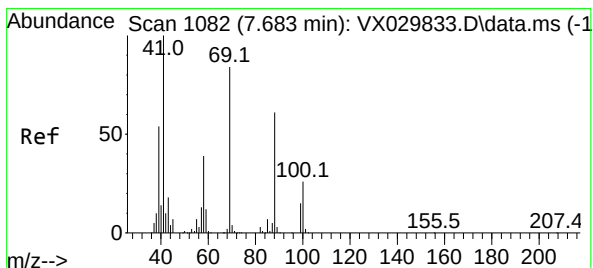
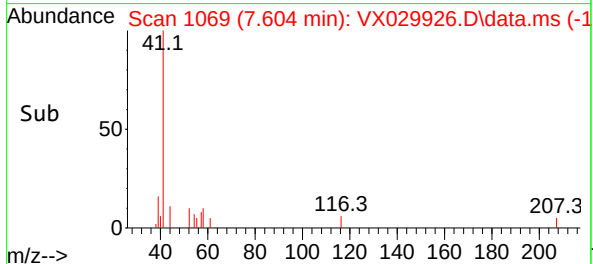
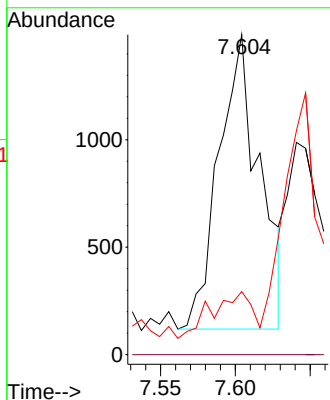
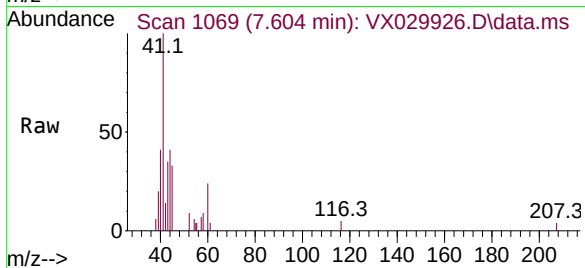
Tgt Ion: 41 Resp: 2590

Ion Ratio Lower Upper

41 100

69 0.0 68.8 103.2#

39 0.0 44.6 66.8#



#49

1,4-Dioxane

Concen: 0.714 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.006 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

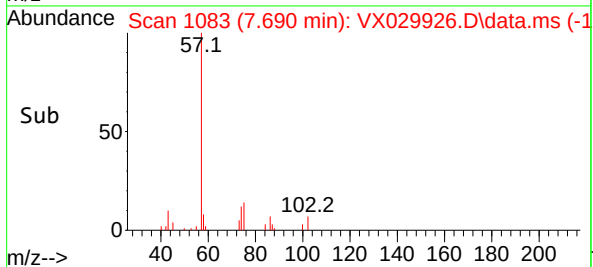
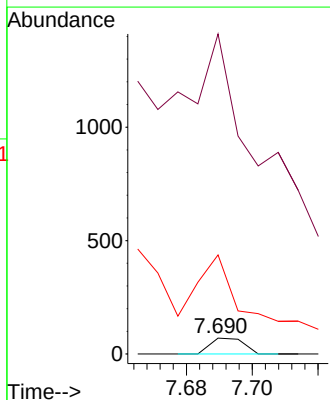
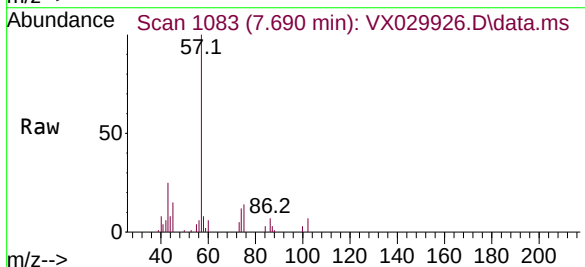
Tgt Ion: 88 Resp: 49

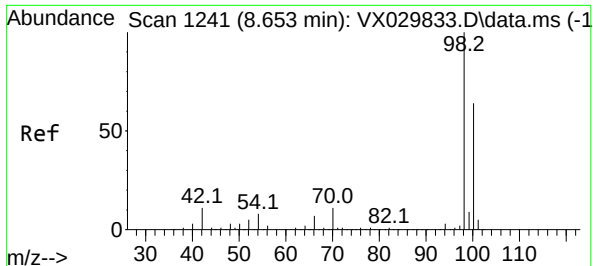
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 1191.8 53.8 80.6#

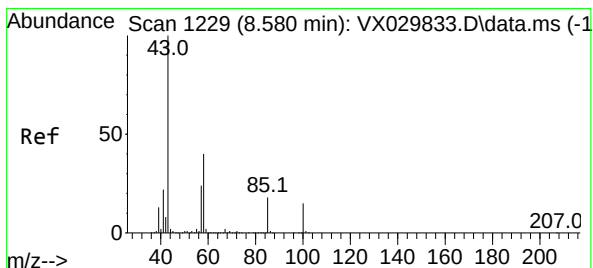
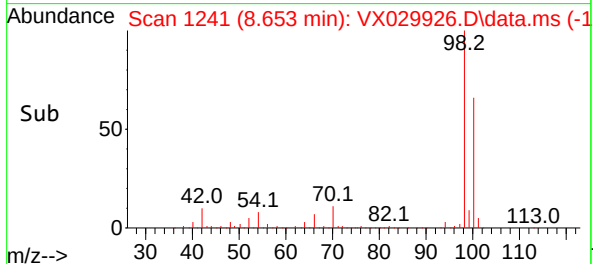
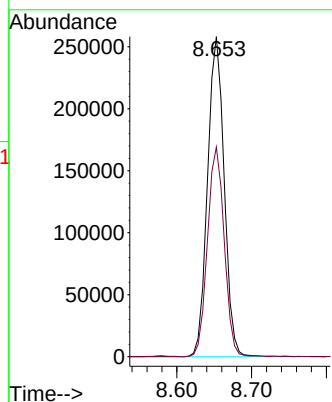
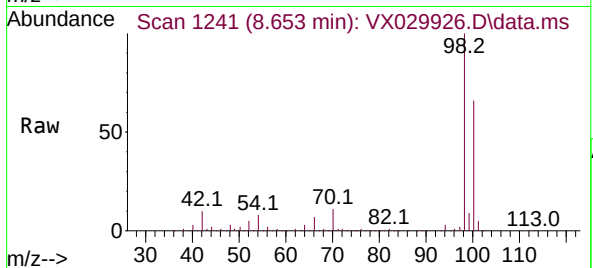




#50
Toluene-d8
Concen: 47.654 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

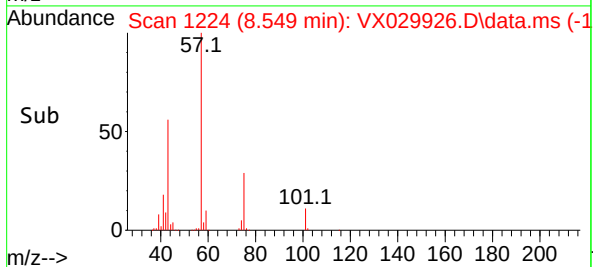
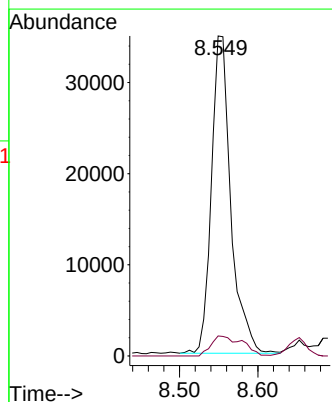
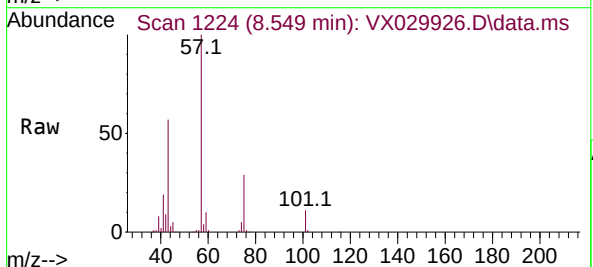
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#12

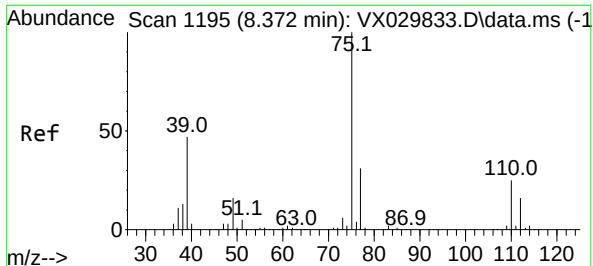
Tgt Ion: 98 Resp: 398720
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 14.877 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

Tgt Ion: 43 Resp: 59934
Ion Ratio Lower Upper
43 100
58 10.2 31.4 47.2#

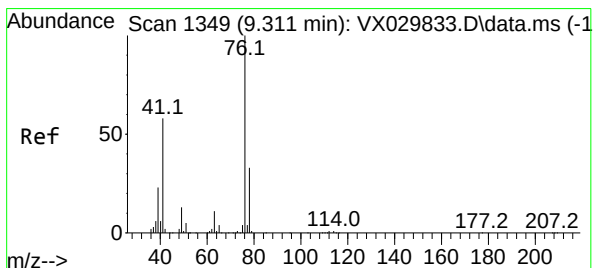
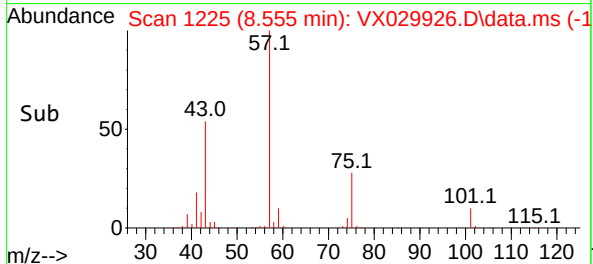
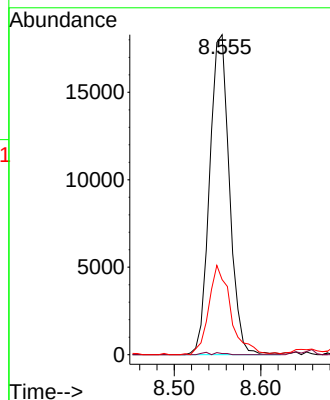
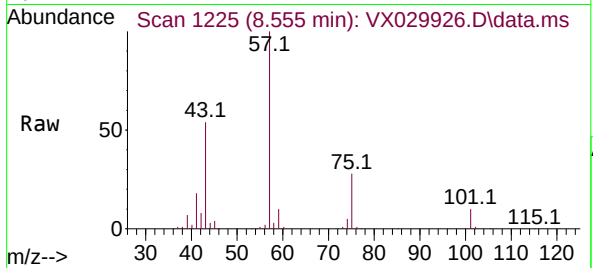




#54
 cis-1,3-Dichloropropene
 Concen: 8.126 ug/l
 RT: 8.555 min Scan# 1195
 Delta R.T. 0.183 min
 Lab File: VX029926.D
 Acq: 05 Jul 2022 17:26

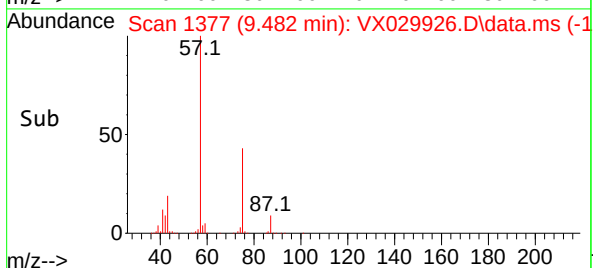
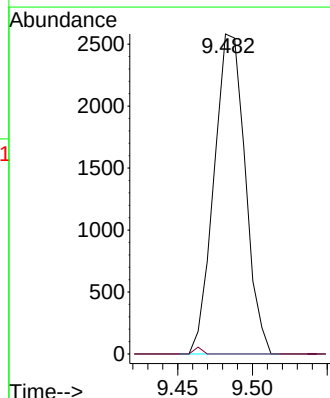
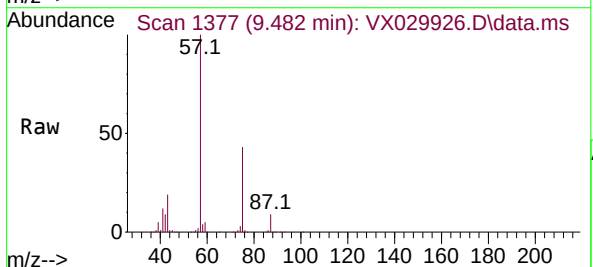
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#12

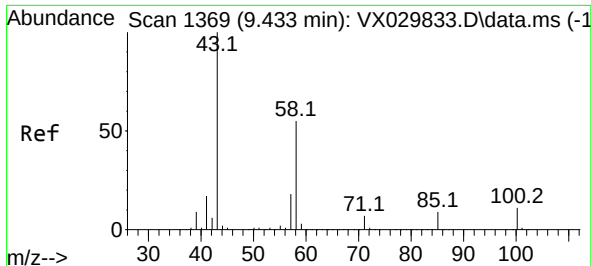
Tgt Ion: 75 Resp: 29073
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.0 37.4#
 39 23.5 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 0.922 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX029926.D
 Acq: 05 Jul 2022 17:26

Tgt Ion: 76 Resp: 3742
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.9 38.9#

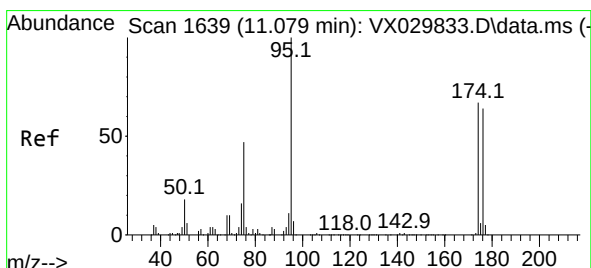
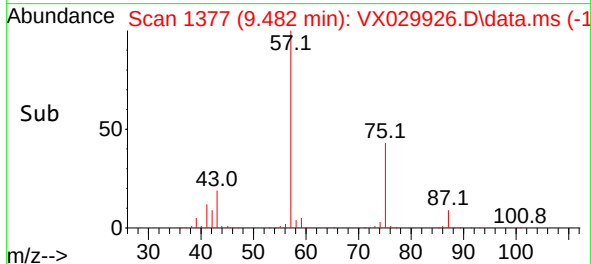
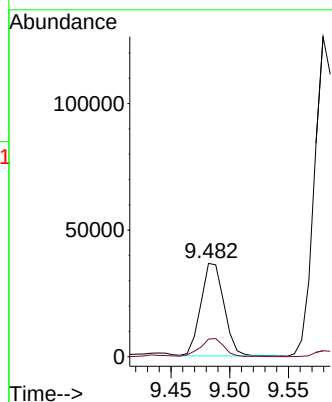
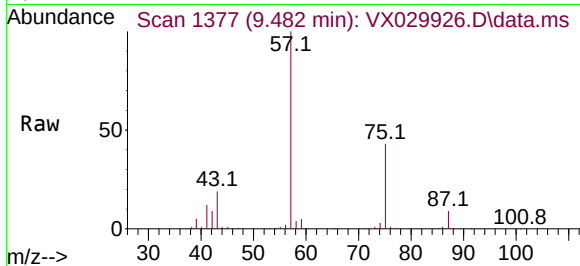




#59
2-Hexanone
Concen: 16.036 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

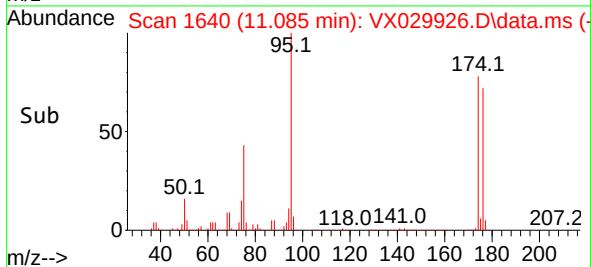
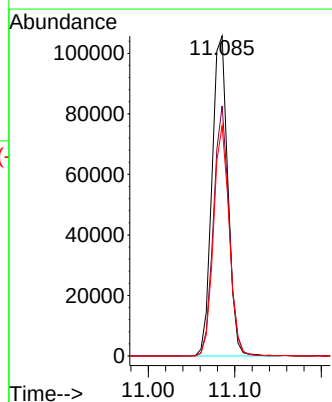
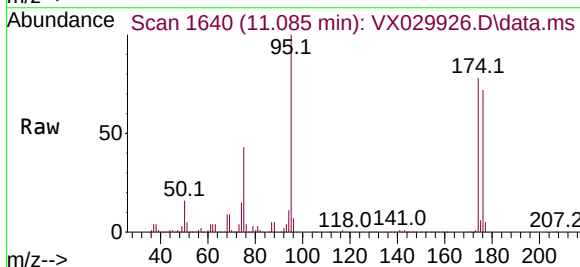
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#12

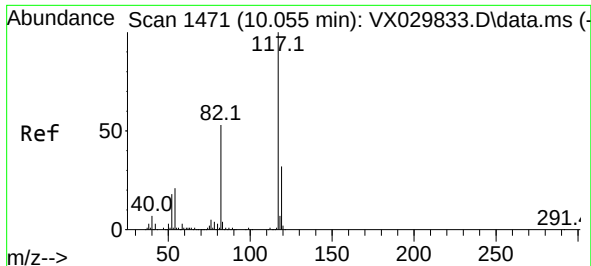
Tgt Ion: 43 Resp: 50133
Ion Ratio Lower Upper
43 100
58 20.3 27.6 82.8#



#62
4-Bromofluorobenzene
Concen: 45.577 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

Tgt Ion: 95 Resp: 134799
Ion Ratio Lower Upper
95 100
174 76.5 0.0 149.0
176 71.1 0.0 146.0

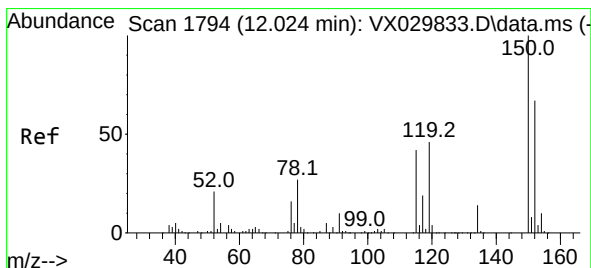
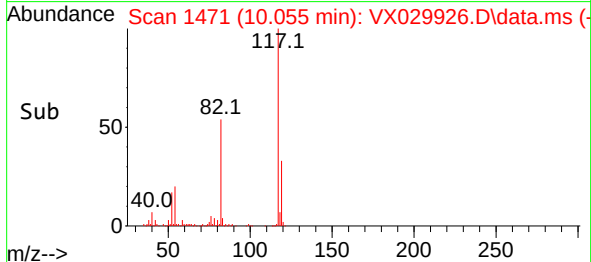
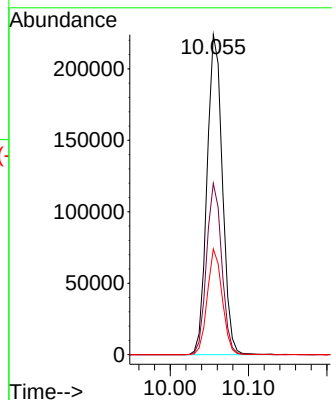
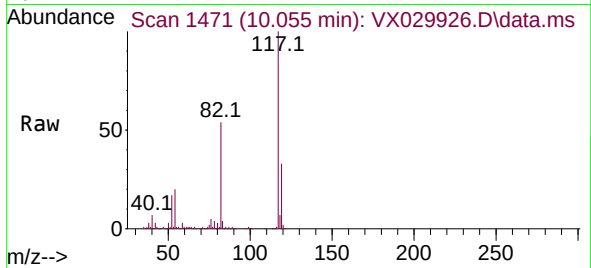




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

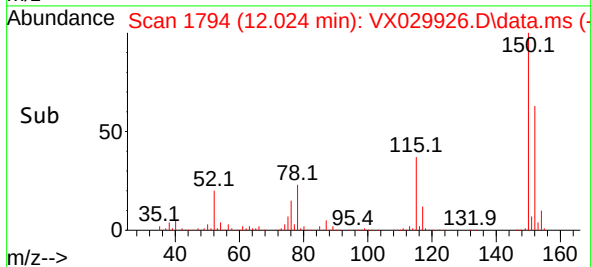
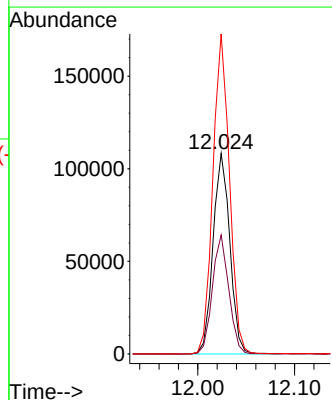
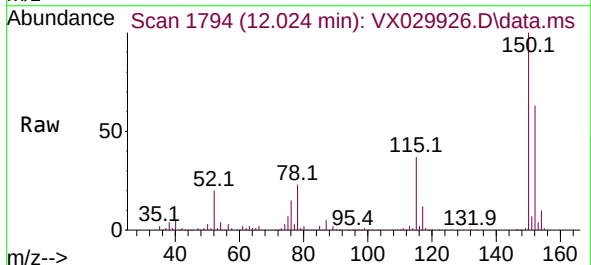
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#12

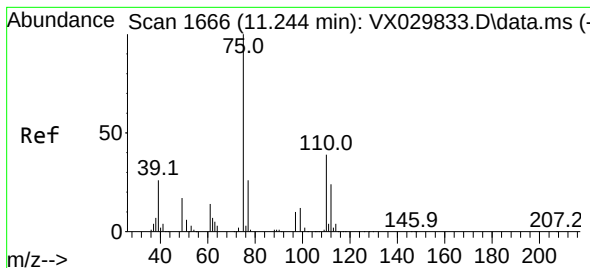
Tgt Ion:117 Resp: 304718
Ion Ratio Lower Upper
117 100
82 53.5 42.7 64.1
119 33.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029926.D
Acq: 05 Jul 2022 17:26

Tgt Ion:152 Resp: 130387
Ion Ratio Lower Upper
152 100
115 58.2 40.5 121.5
150 157.7 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 19.820 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX029926.D

Acq: 05 Jul 2022 17:26

Instrument :

MSVOA_X

ClientSampleId :

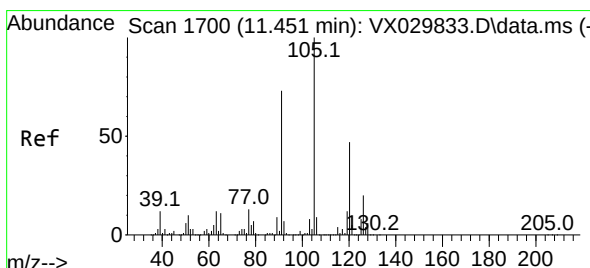
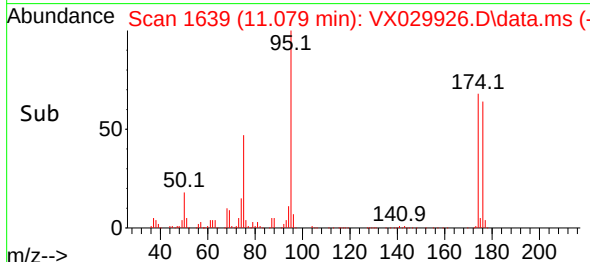
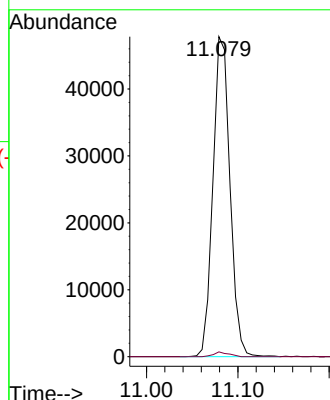
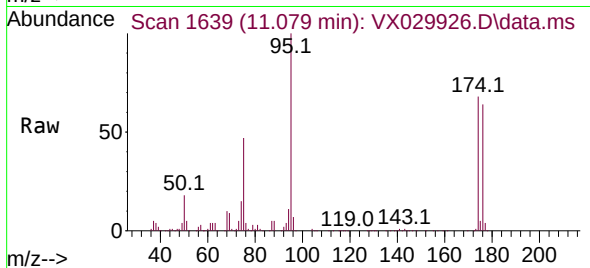
PB145991ZHE#12

Tgt Ion: 75 Resp: 61864

Ion Ratio Lower Upper

75 100

77 1.3 19.8 59.3#



#80

1,3,5-Trimethylbenzene

Concen: 0.210 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX029926.D

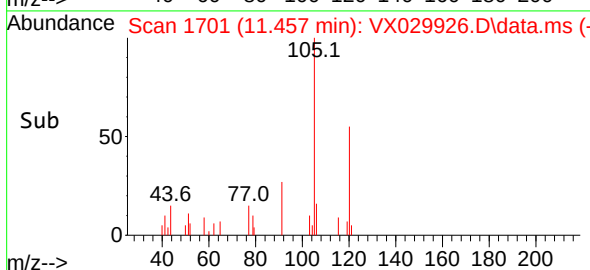
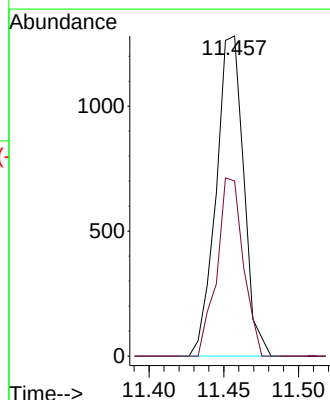
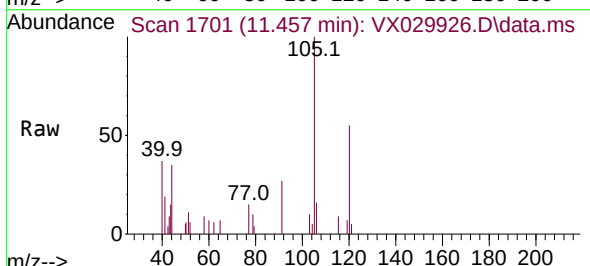
Acq: 05 Jul 2022 17:26

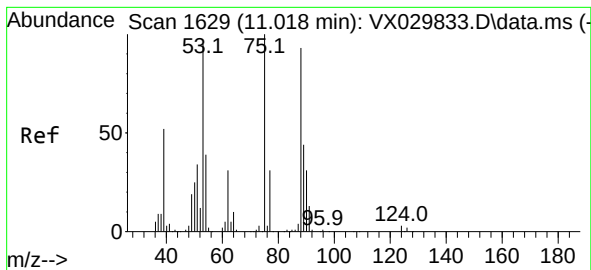
Tgt Ion: 105 Resp: 1646

Ion Ratio Lower Upper

105 100

120 53.0 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.944 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029926.D
 Acq: 05 Jul 2022 17:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#12

Tgt Ion: 75 Resp: 61864
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

