

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029927.D
 Acq On : 05 Jul 2022 17:49
 Operator : JC/MD
 Sample : PB145991ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#13

Quant Time: Jul 06 06:58:13 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

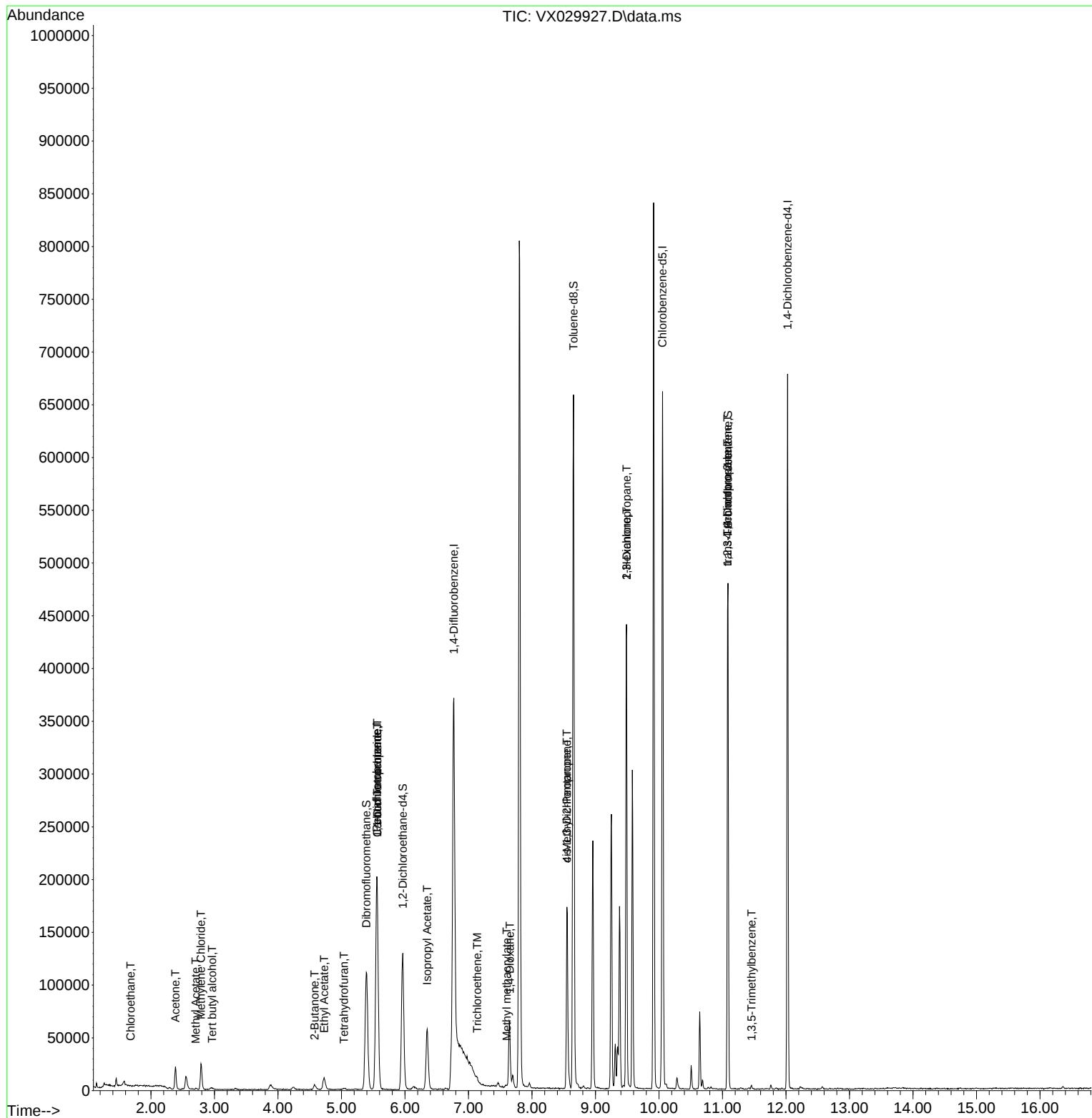
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	200239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	352324	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	110964	43.778	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.560%
35) Dibromofluoromethane	5.391	113	100335	45.569	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.140%
50) Toluene-d8	8.653	98	398371	48.228	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.460%
62) 4-Bromofluorobenzene	11.085	95	136806	46.854	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.700%
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	84	1.087	ug/l #	81
11) Tert butyl alcohol	2.965	59	1690	2.549	ug/l #	87
13) Acrolein	2.252	56	69	Below Cal	#	62
16) Acetone	2.386	43	21840	17.612	ug/l	97
18) Methyl Acetate	2.703	43	1290	0.337	ug/l #	89
20) Methylene Chloride	2.788	84	10946	4.180	ug/l	96
25) 2-Butanone	4.574	43	6452	2.998	ug/l	90
29) Tetrahydrofuran	5.038	42	966	0.682	ug/l #	79
36) 1,1-Dichloropropene	5.562	75	15080	5.149	ug/l #	48
37) Ethyl Acetate	4.727	43	18571	4.637	ug/l	97
38) Carbon Tetrachloride	5.562	117	19404	7.647	ug/l #	17
43) Isopropyl Acetate	6.349	43	76372	12.663	ug/l	99
44) Trichloroethene	7.135	130	1271	0.498	ug/l	92
48) Methyl methacrylate	7.604	41	2601	0.910	ug/l #	13
49) 1,4-Dioxane	7.653	88	46	0.679	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	60547	15.224	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	29487	8.348	ug/l #	59
57) 1,3-Dichloropropane	9.488	76	4044	1.010	ug/l #	42
59) 2-Hexanone	9.488	43	51567	16.708	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	61900	19.525	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	1697	0.213	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	61900	62.006	ug/l #	12

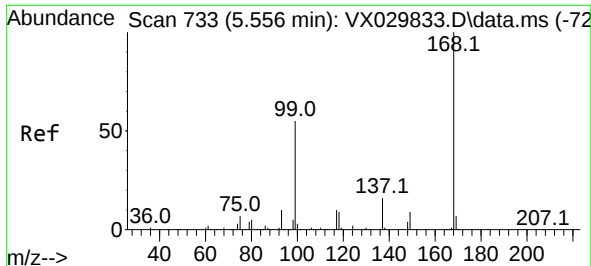
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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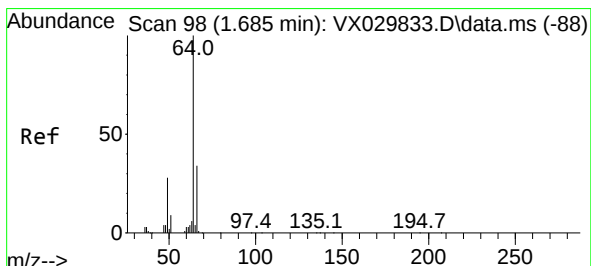
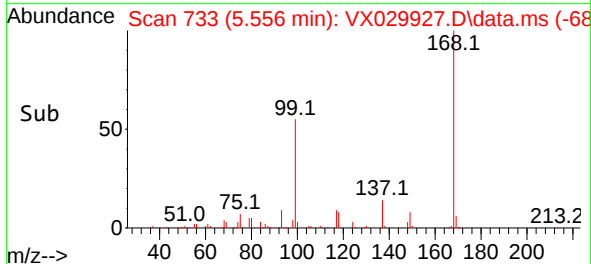
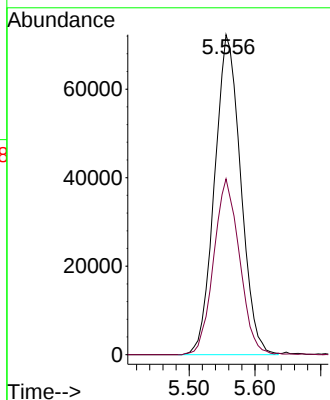
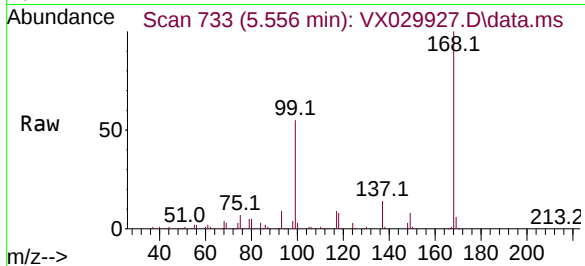




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

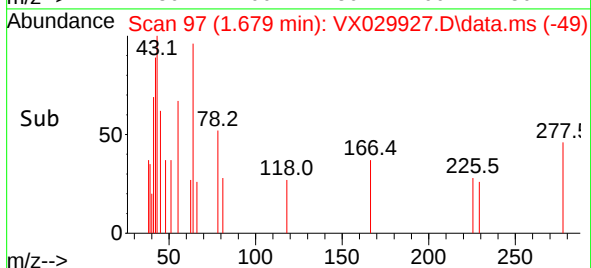
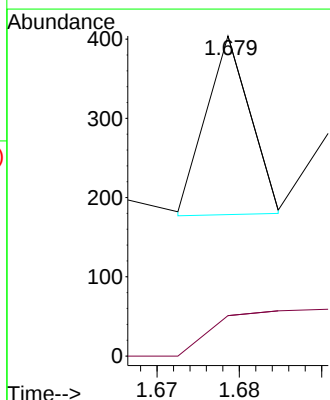
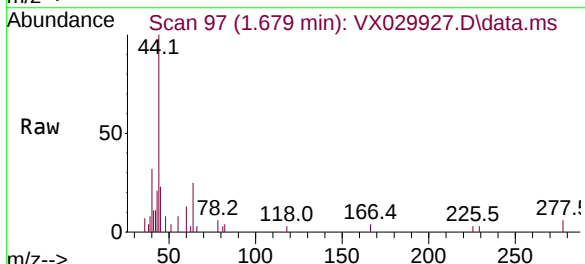
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#13

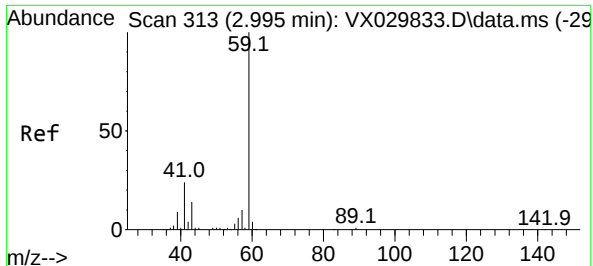
Tgt Ion:168 Resp: 200239
Ion Ratio Lower Upper
168 100
99 54.9 44.0 66.0



#6
Chloroethane
Concen: 1.087 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

Tgt Ion: 64 Resp: 84
Ion Ratio Lower Upper
64 100
66 23.0 27.2 40.8#

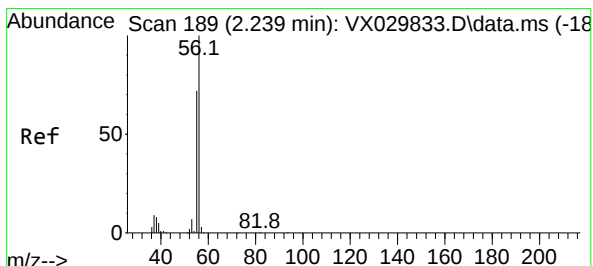
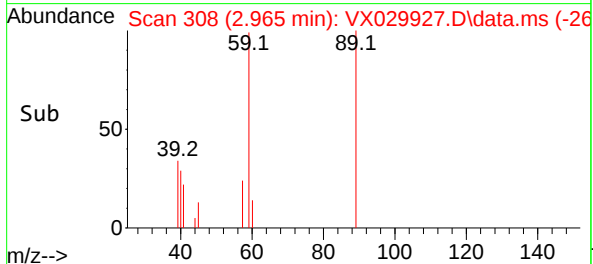
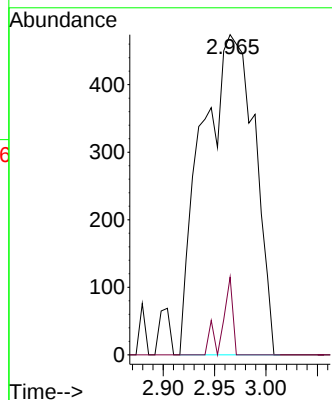
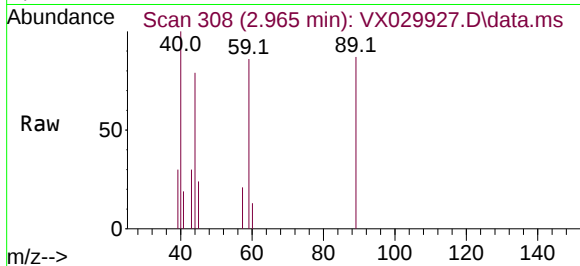




#11
Tert butyl alcohol
Concen: 2.549 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.030 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

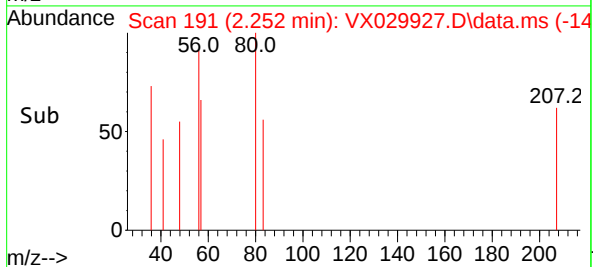
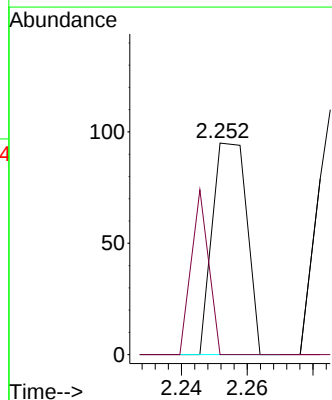
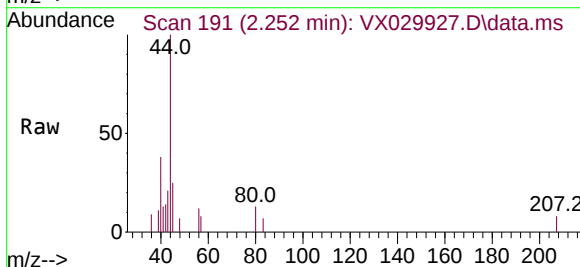
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#13

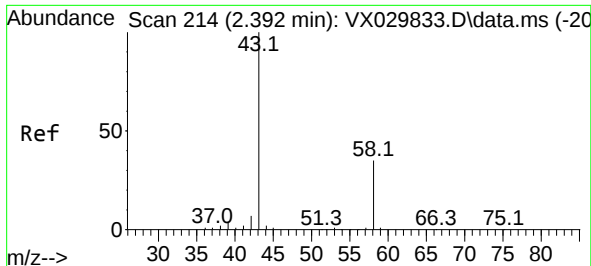
Tgt Ion: 59 Resp: 1690
Ion Ratio Lower Upper
59 100
57 4.7 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.252 min Scan# 191
Delta R.T. 0.013 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 39.1 56.6 84.8#

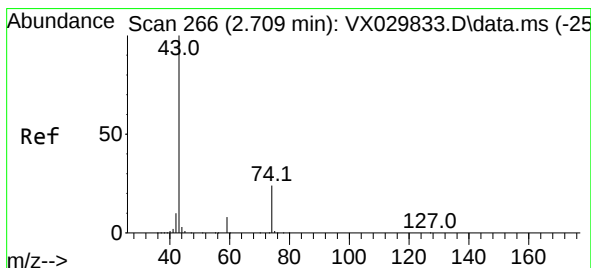
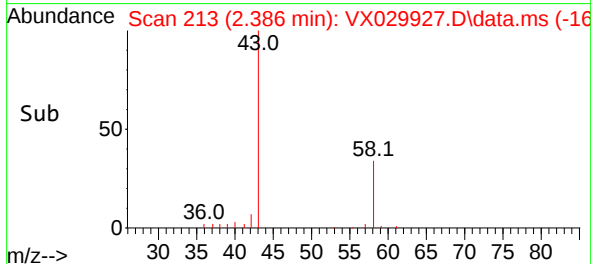
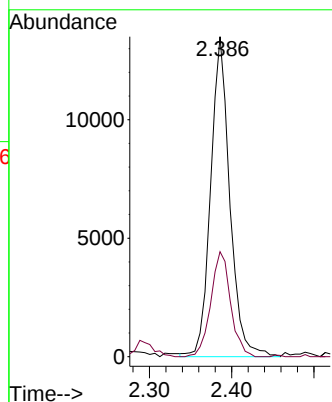
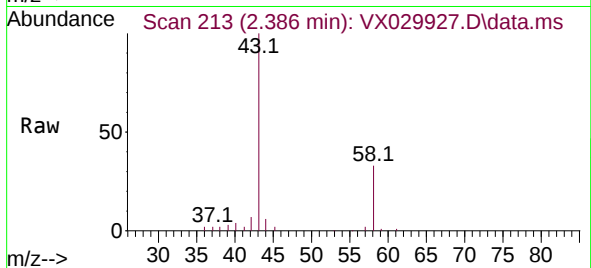




#16
Acetone
Concen: 17.612 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

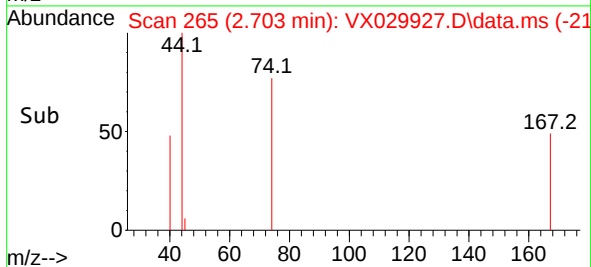
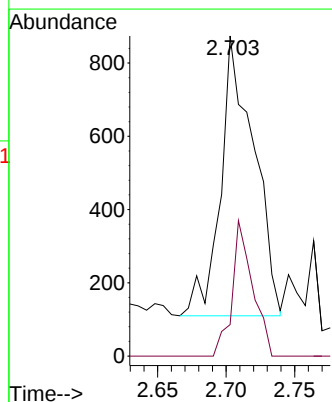
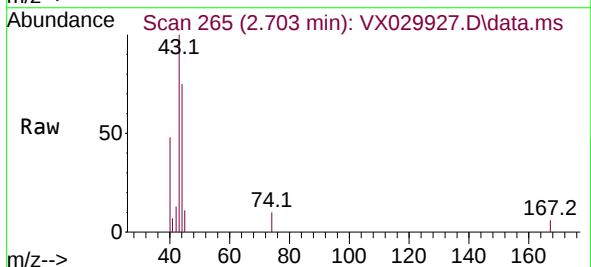
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#13

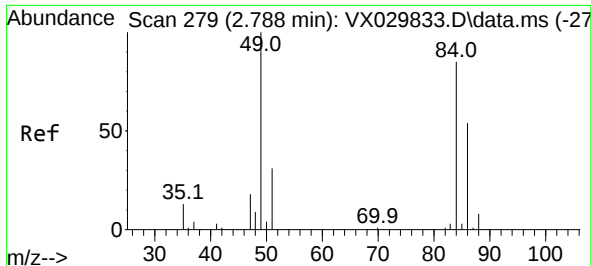
Tgt Ion: 43 Resp: 21840
Ion Ratio Lower Upper
43 100
58 32.8 27.7 41.5



#18
Methyl Acetate
Concen: 0.337 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
74 29.7 19.4 29.2#

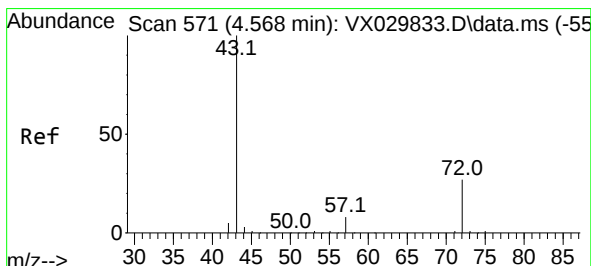
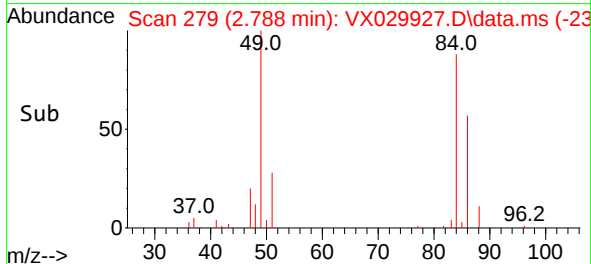
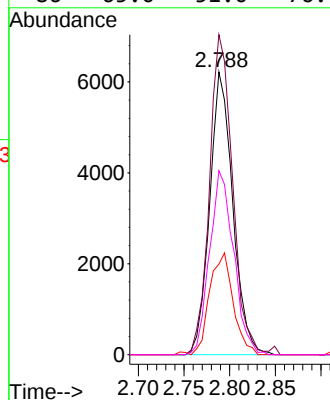
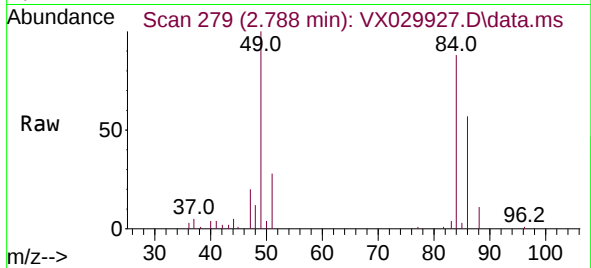




#20
Methylene Chloride
Concen: 4.180 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

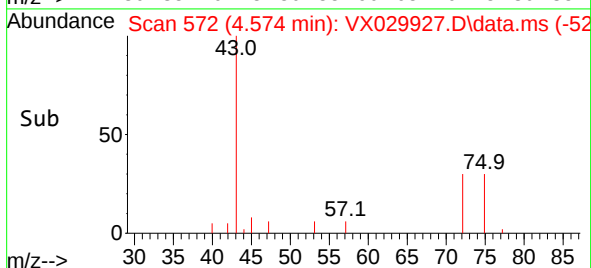
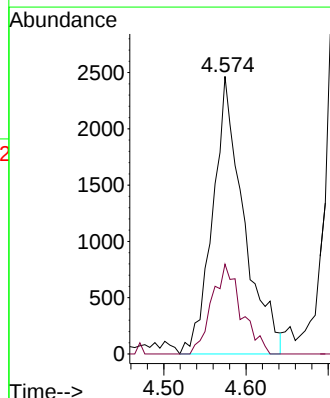
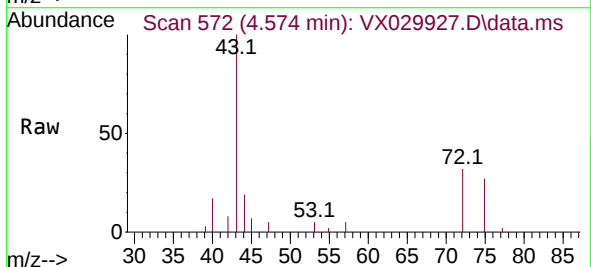
Instrument :
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ClientSampleId :
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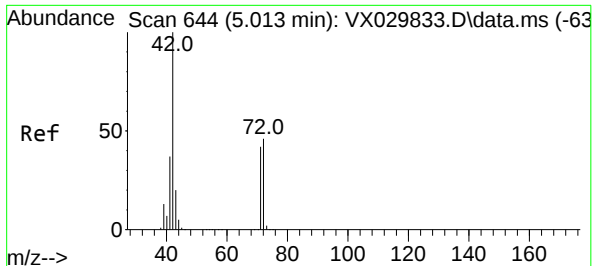
Tgt Ion:	84	Resp:	10946
Ion	Ratio	Lower	Upper
84	100		
49	113.2	93.8	140.6
51	32.0	29.4	44.0
86	65.0	51.0	76.4



#25
2-Butanone
Concen: 2.998 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

Tgt Ion:	43	Resp:	6452
Ion	Ratio	Lower	Upper
43	100		
72	32.3	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.682 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX029927.D

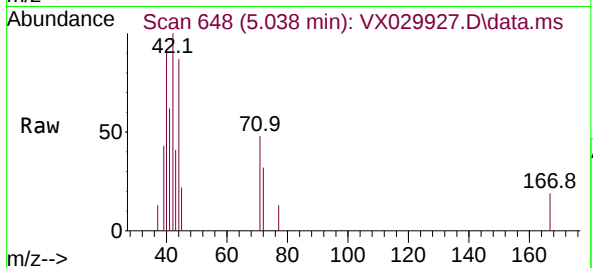
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Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#13



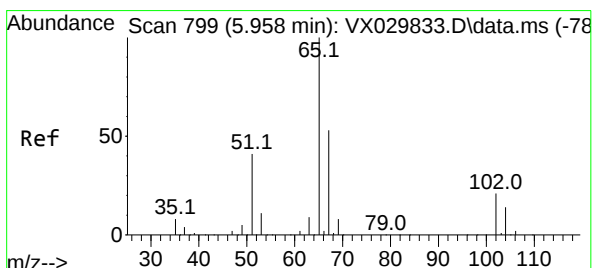
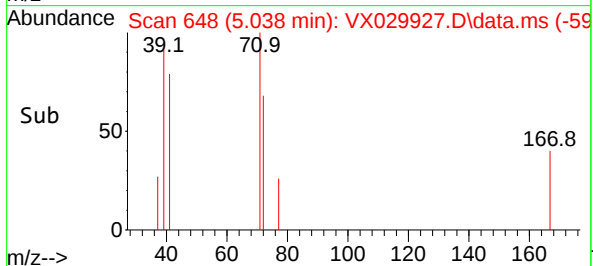
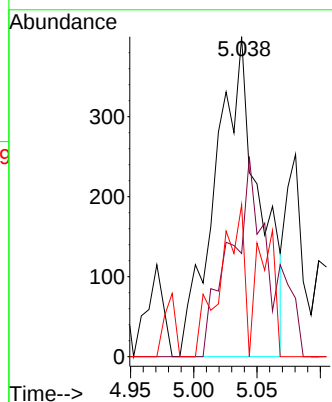
Tgt Ion: 42 Resp: 966

Ion Ratio Lower Upper

42 100

72 56.1 36.5 54.7#

71 25.7 33.9 50.9#



#33

1,2-Dichloroethane-d4

Concen: 43.778 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029927.D

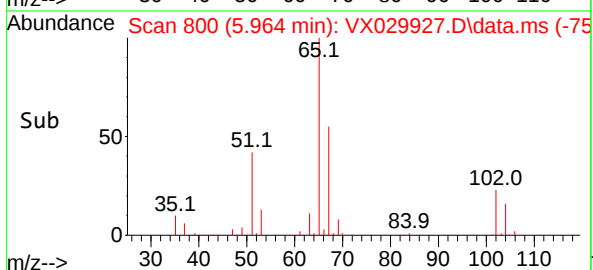
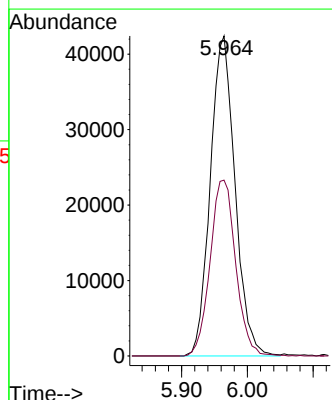
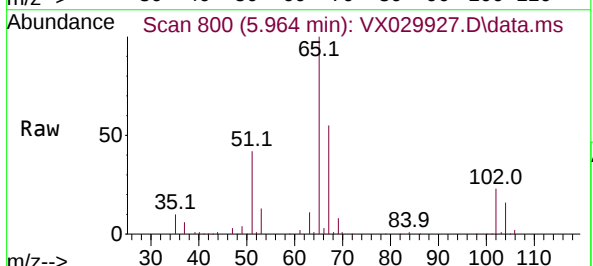
Acq: 05 Jul 2022 17:49

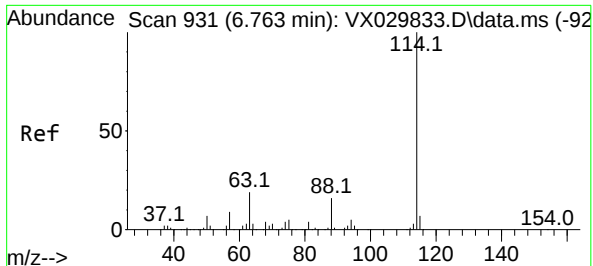
Tgt Ion: 65 Resp: 110964

Ion Ratio Lower Upper

65 100

67 56.9 0.0 109.6

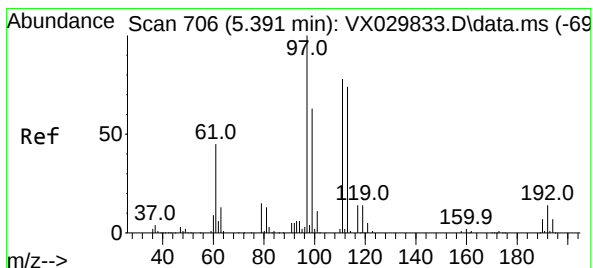
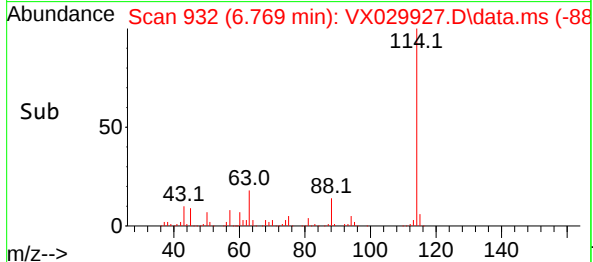
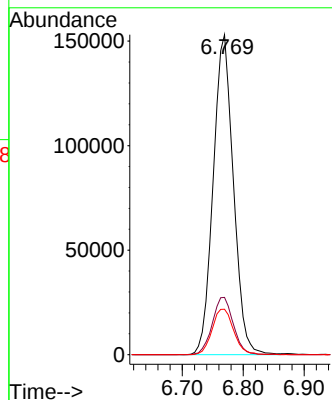
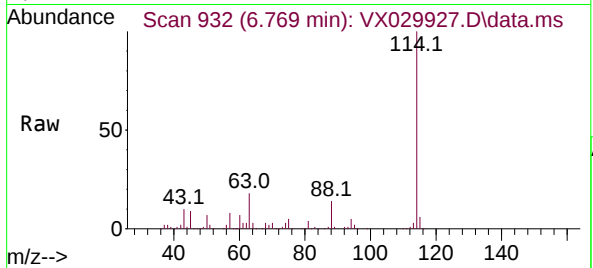




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

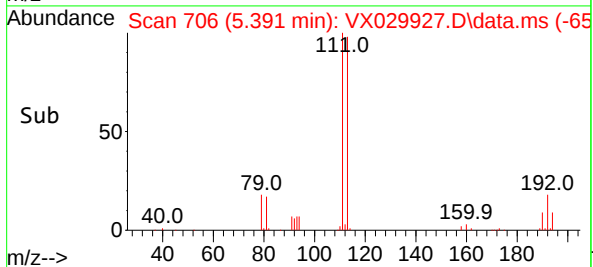
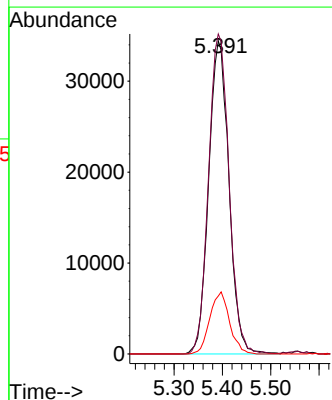
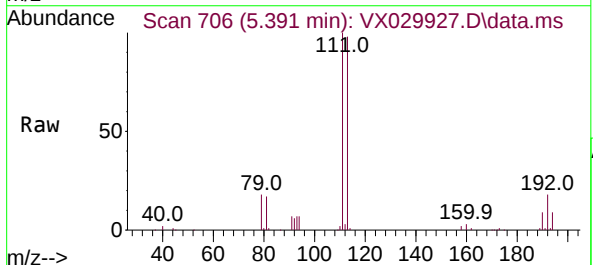
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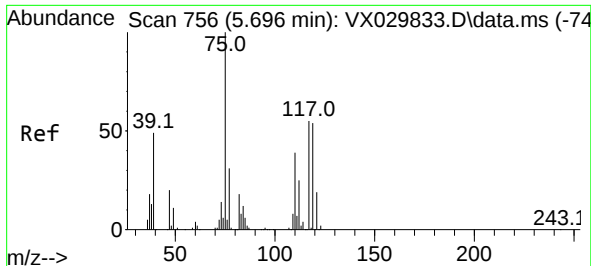
Tgt Ion:114 Resp: 352324
Ion Ratio Lower Upper
114 100
63 17.9 0.0 38.4
88 14.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.569 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

Tgt Ion:113 Resp: 100335
Ion Ratio Lower Upper
113 100
111 103.5 83.2 124.8
192 19.3 14.8 22.2

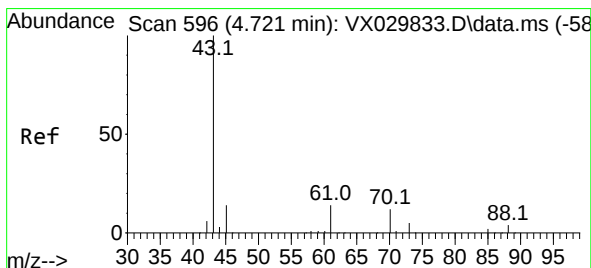
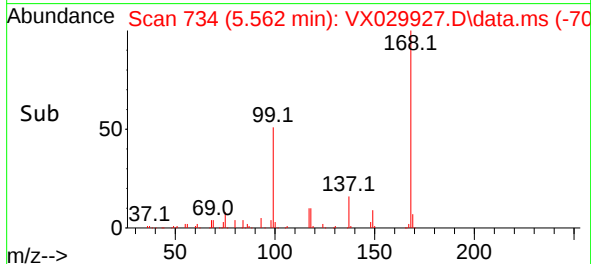
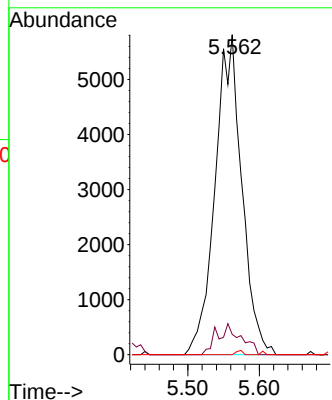
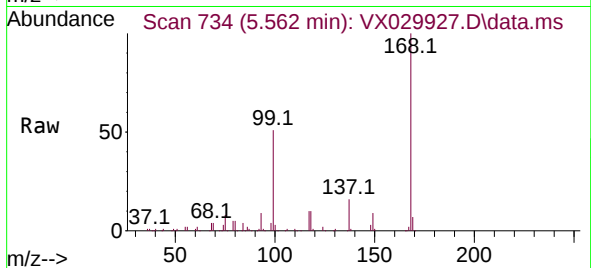




#36
1,1-Dichloropropene
Concen: 5.149 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

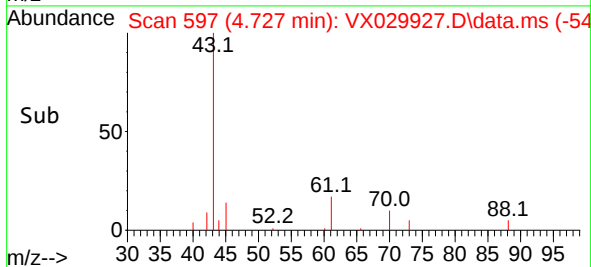
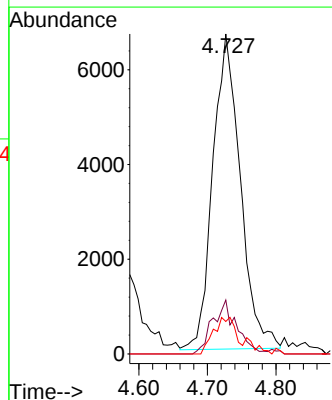
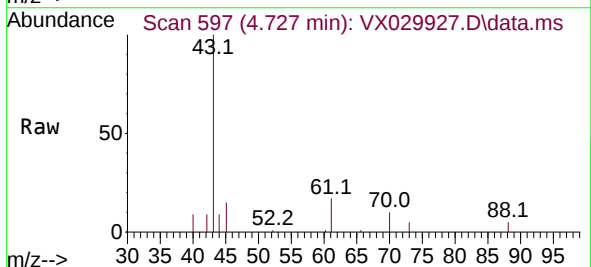
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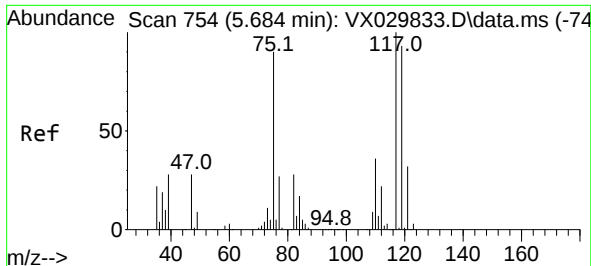
Tgt Ion: 75 Resp: 15080
Ion Ratio Lower Upper
75 100
110 8.7 19.3 57.9#
77 0.3 24.4 36.6#



#37
Ethyl Acetate
Concen: 4.637 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

Tgt Ion: 43 Resp: 18571
Ion Ratio Lower Upper
43 100
61 15.0 11.7 17.5
70 9.3 9.3 13.9

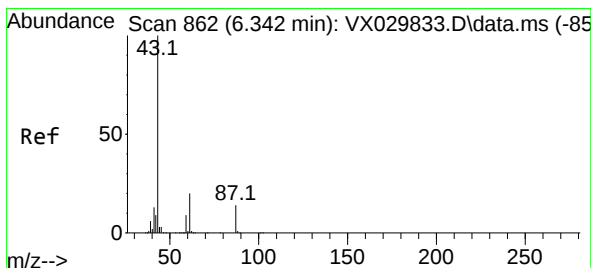
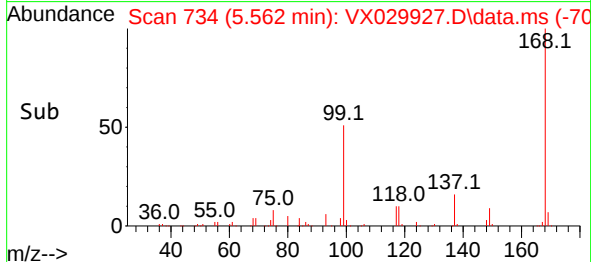
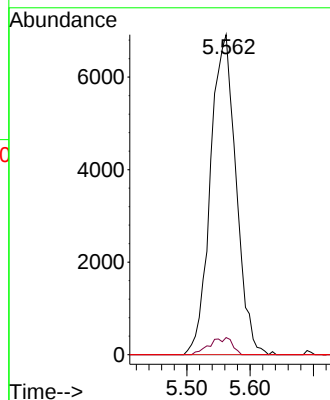
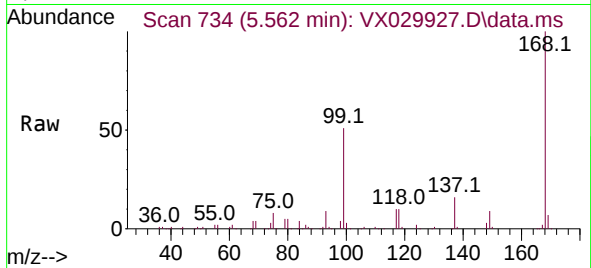




#38
Carbon Tetrachloride
Concen: 7.647 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

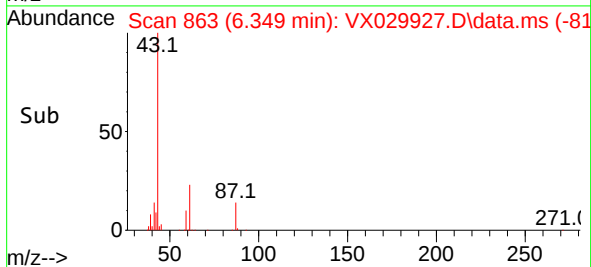
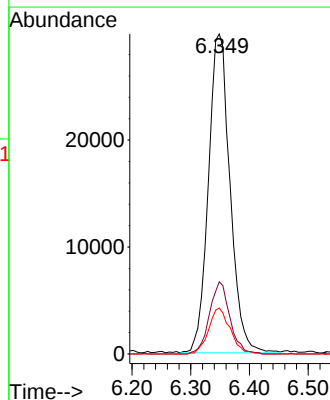
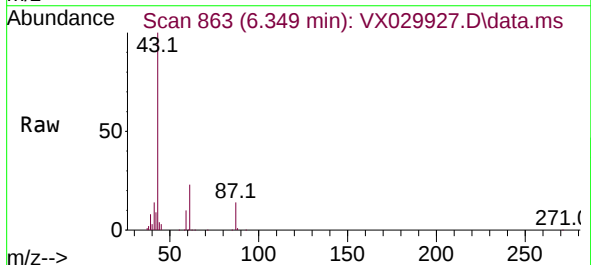
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#13

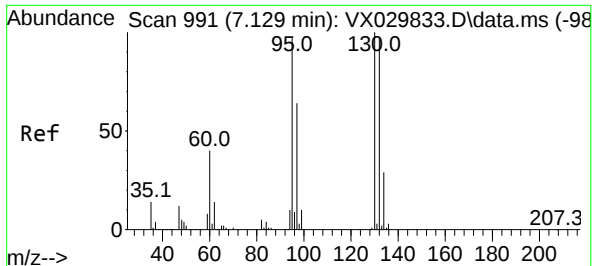
Tgt Ion:117 Resp: 19404
Ion Ratio Lower Upper
117 100
119 5.3 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 12.663 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

Tgt Ion: 43 Resp: 76372
Ion Ratio Lower Upper
43 100
61 21.2 16.5 24.7
87 14.3 11.1 16.7

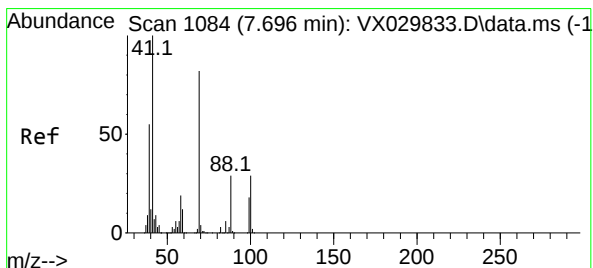
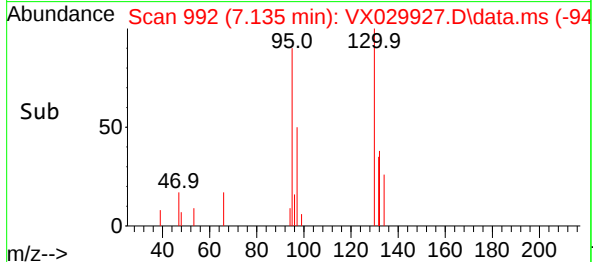
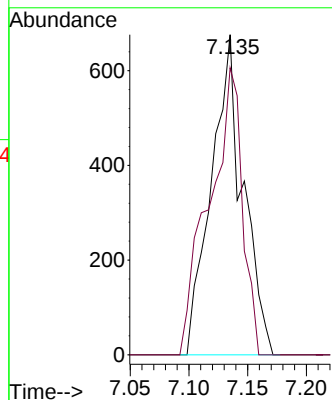
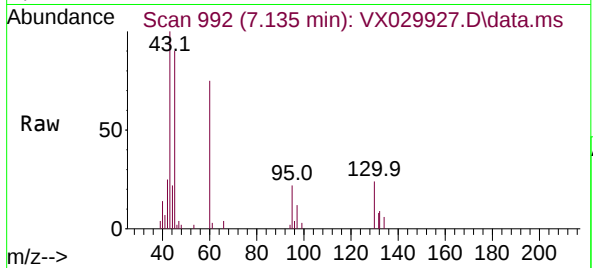




#44
Trichloroethene
Concen: 0.498 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

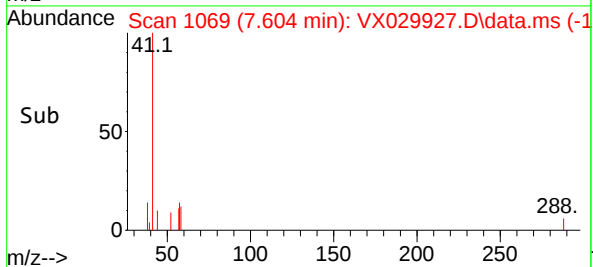
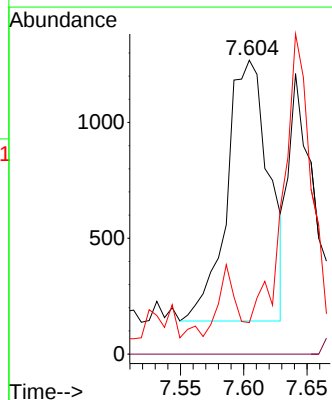
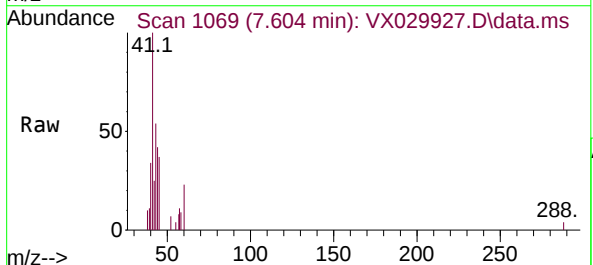
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#13

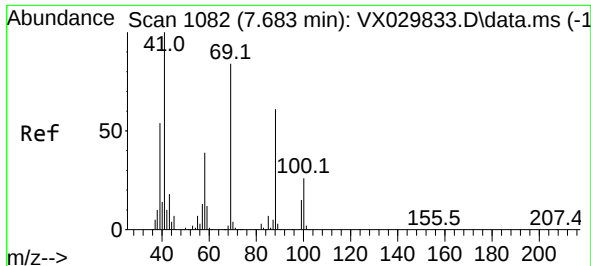
Tgt Ion:130 Resp: 1271
Ion Ratio Lower Upper
130 100
95 89.6 0.0 194.8



#48
Methyl methacrylate
Concen: 0.910 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.091 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

Tgt Ion: 41 Resp: 2601
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: 0.679 ug/l

RT: 7.653 min Scan# 1082

Delta R.T. -0.030 min

Lab File: VX029927.D

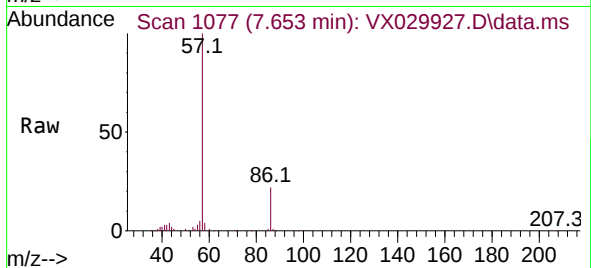
Acq: 05 Jul 2022 17:49

Instrument :

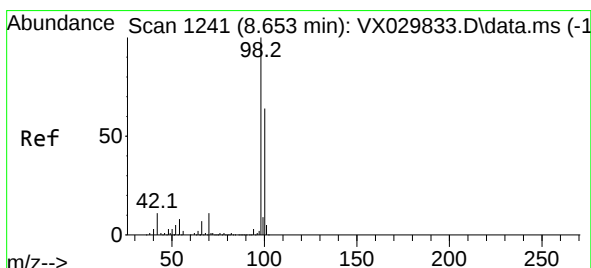
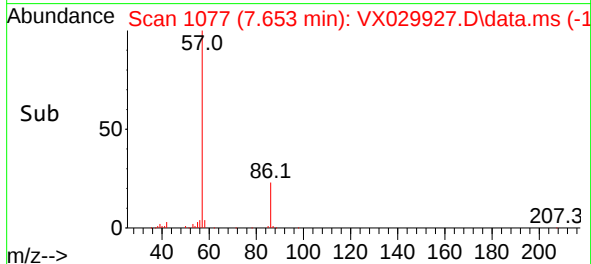
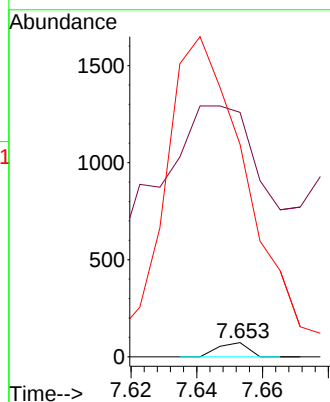
MSVOA_X

ClientSampleId :

PB145991ZHE#13



Tgt Ion:	88	Resp:	46
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	6573.9	53.8	80.6#



#50

Toluene-d8

Concen: 48.228 ug/l

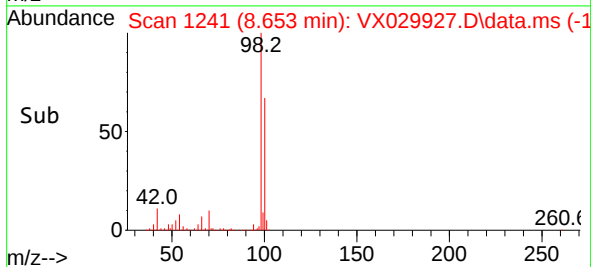
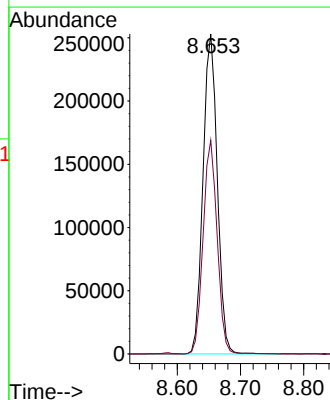
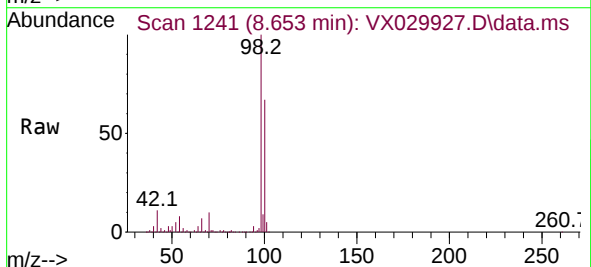
RT: 8.653 min Scan# 1241

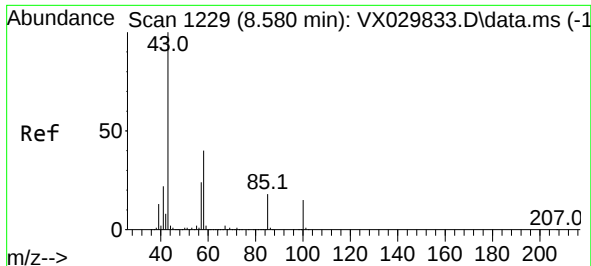
Delta R.T. 0.000 min

Lab File: VX029927.D

Acq: 05 Jul 2022 17:49

Tgt Ion:	98	Resp:	398371
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5

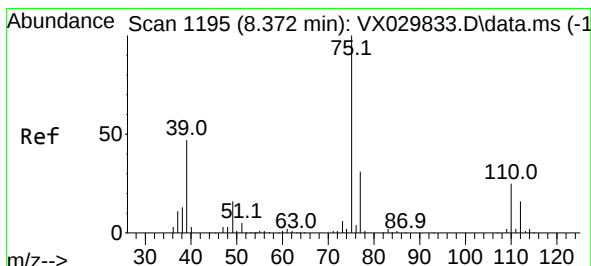
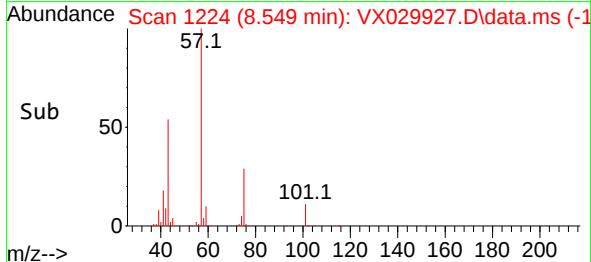
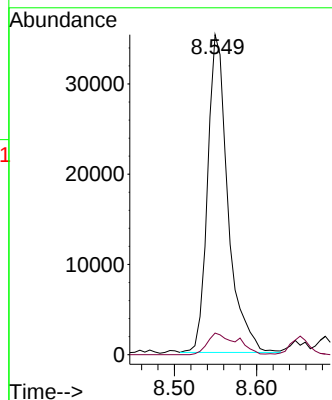
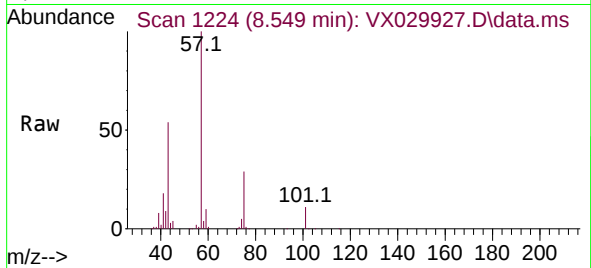




#51
4-Methyl-2-Pentanone
Concen: 15.224 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

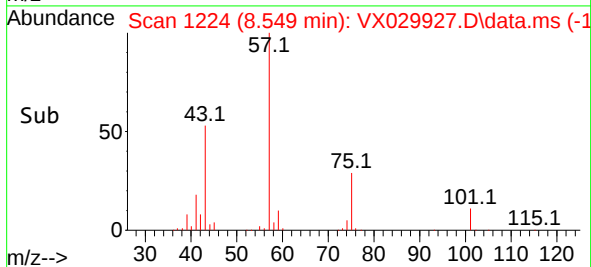
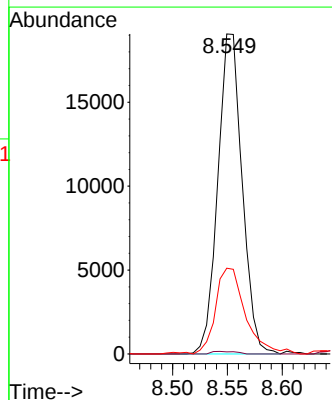
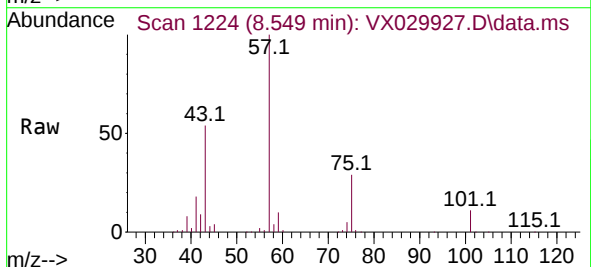
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#13

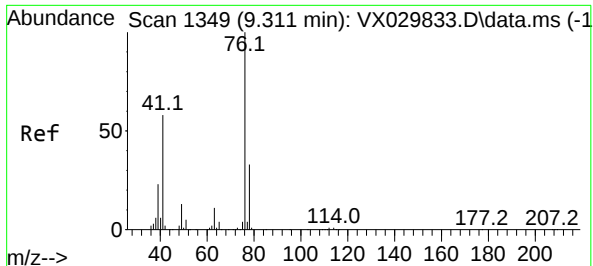
Tgt Ion: 43 Resp: 60547
Ion Ratio Lower Upper
43 100
58 10.0 31.4 47.2#



#54
cis-1,3-Dichloropropene
Concen: 8.348 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX029927.D
Acq: 05 Jul 2022 17:49

Tgt Ion: 75 Resp: 29487
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 26.4 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.010 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX029927.D

Acq: 05 Jul 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

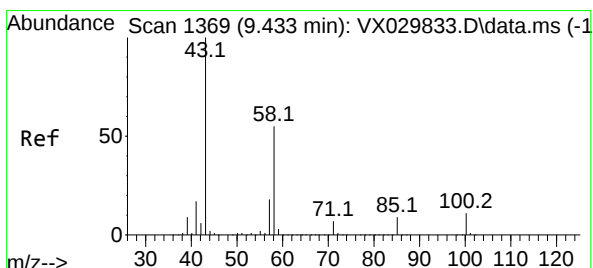
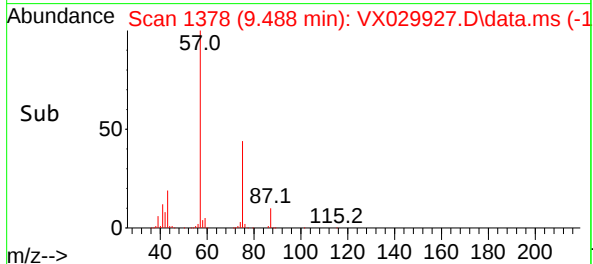
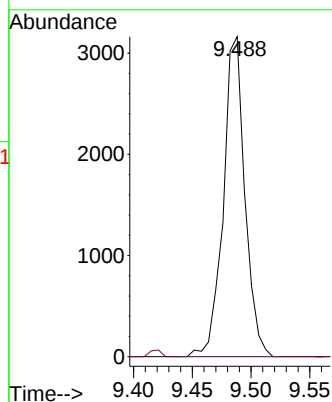
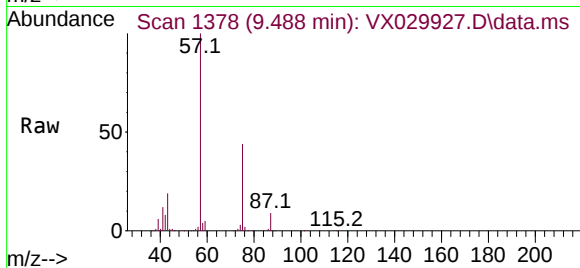
PB145991ZHE#13

Tgt Ion: 76 Resp: 4044

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 16.708 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX029927.D

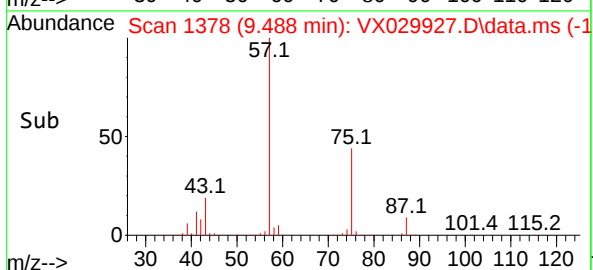
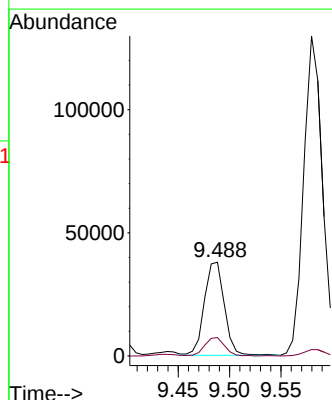
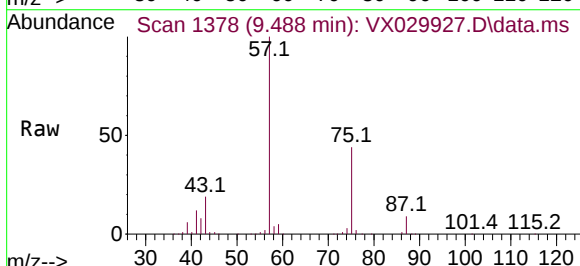
Acq: 05 Jul 2022 17:49

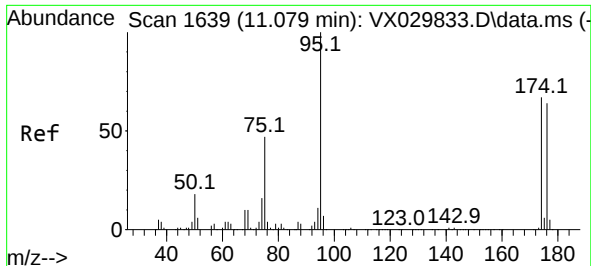
Tgt Ion: 43 Resp: 51567

Ion Ratio Lower Upper

43 100

58 19.8 27.6 82.8#





#62

4-Bromofluorobenzene

Concen: 46.854 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX029927.D

Acq: 05 Jul 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#13

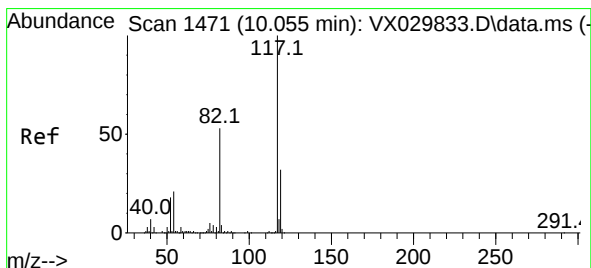
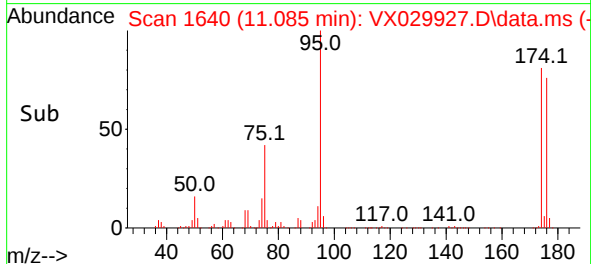
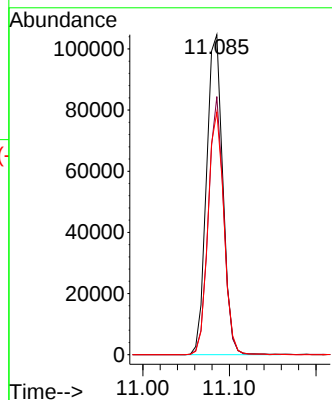
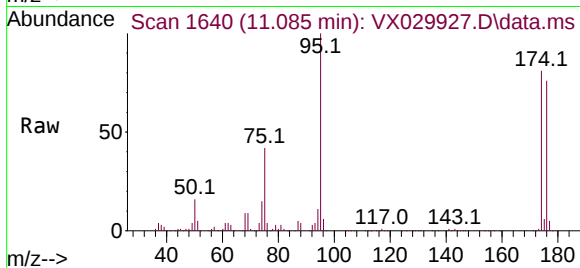
Tgt Ion: 95 Resp: 136806

Ion Ratio Lower Upper

95 100

174 75.4 0.0 149.0

176 74.2 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: VX029927.D

Acq: 05 Jul 2022 17:49

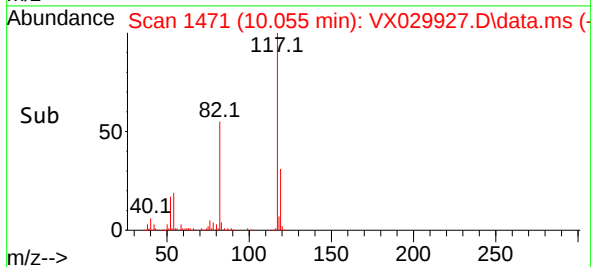
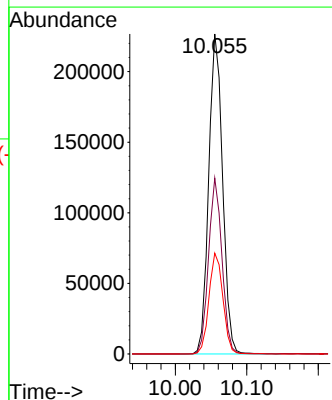
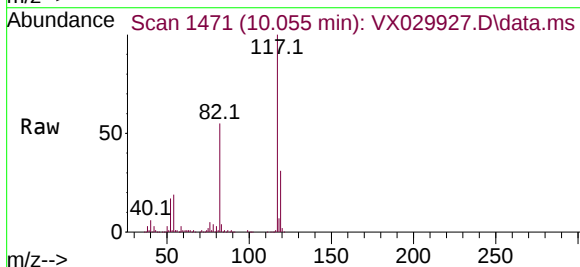
Tgt Ion: 117 Resp: 305363

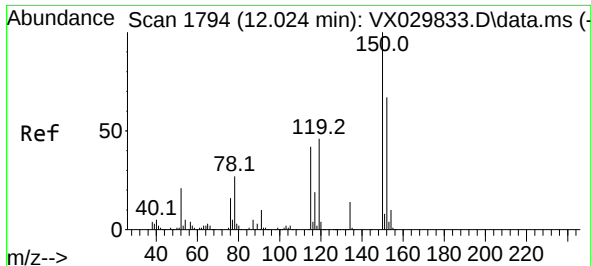
Ion Ratio Lower Upper

117 100

82 54.9 42.7 64.1

119 31.5 25.4 38.2

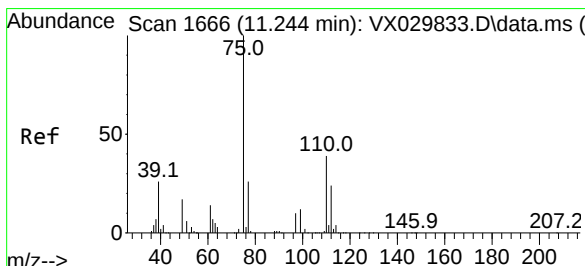
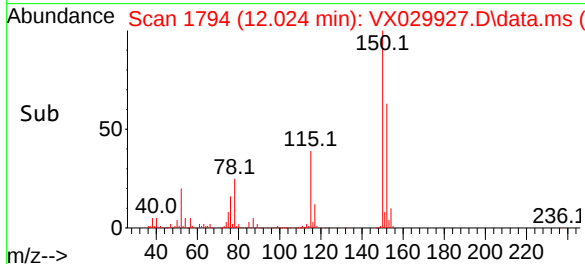
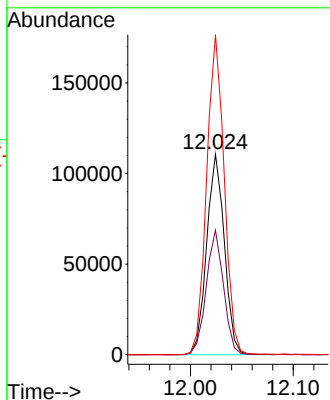
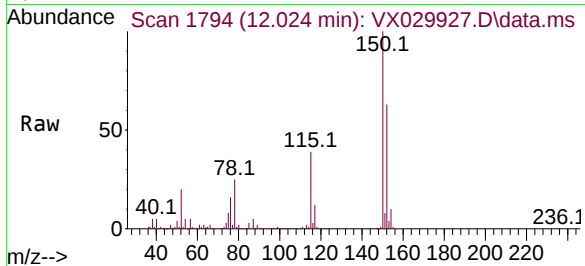




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029927.D
 Acq: 05 Jul 2022 17:49

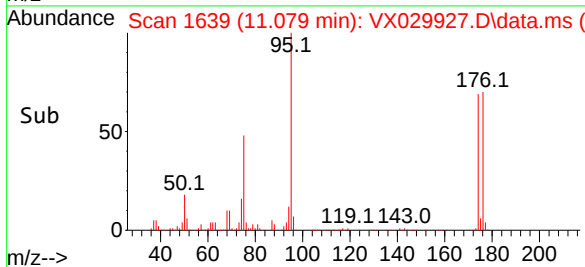
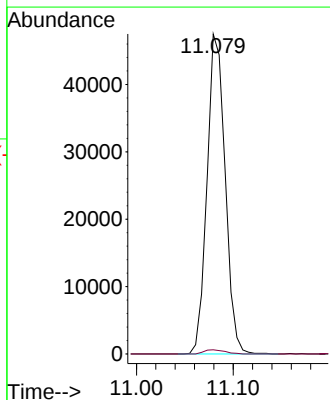
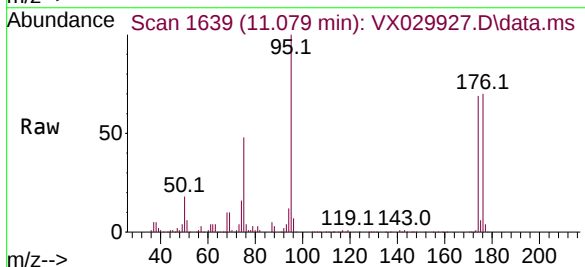
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#13

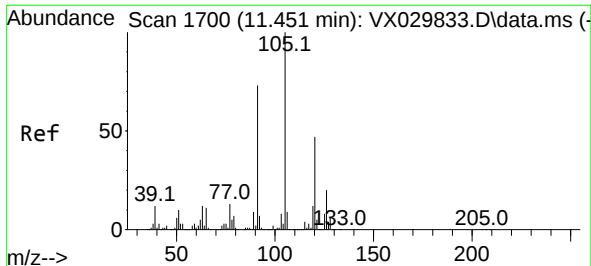
Tgt Ion:152 Resp: 132436
 Ion Ratio Lower Upper
 152 100
 115 60.9 40.5 121.5
 150 158.3 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 19.525 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX029927.D
 Acq: 05 Jul 2022 17:49

Tgt Ion: 75 Resp: 61900
 Ion Ratio Lower Upper
 75 100
 77 1.5 19.8 59.3#

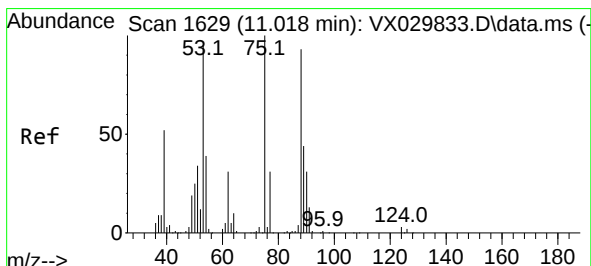
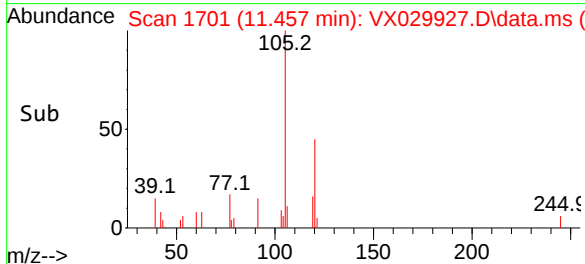
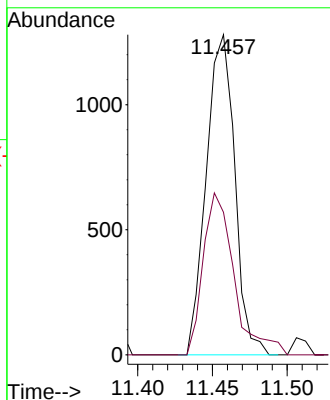
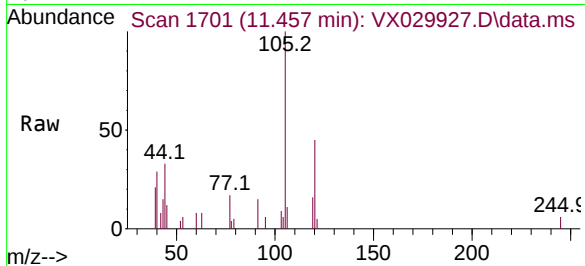




#80
 1,3,5-Trimethylbenzene
 Concen: 0.213 ug/l
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX029927.D
 Acq: 05 Jul 2022 17:49

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#13

Tgt Ion:105 Resp: 1697
 Ion Ratio Lower Upper
 105 100
 120 54.8 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.006 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX029927.D
 Acq: 05 Jul 2022 17:49

Tgt Ion: 75 Resp: 61900
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

