

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033213.D
 Acq On : 03 Dec 2022 01:48
 Operator : JC/MD
 Sample : PB149377ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#07

Quant Time: Dec 05 01:13:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

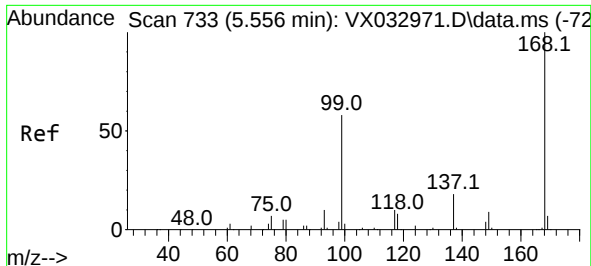
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	103550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186346	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	33821	32.317	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	64.640%#
35) Dibromofluoromethane	5.385	113	35927	34.198	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	68.400%#
50) Toluene-d8	8.647	98	75123	22.583	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	45.160%#
62) 4-Bromofluorobenzene	11.079	95	59147	42.860	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.720%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	273	0.320	ug/l #	43
11) Tert butyl alcohol	2.941	59	3127	19.562	ug/l #	72
16) Acetone	2.392	43	9164	19.458	ug/l	97
18) Methyl Acetate	2.709	43	1732	1.329	ug/l	93
20) Methylene Chloride	2.794	84	4773	3.668	ug/l	97
25) 2-Butanone	4.593	43	608	0.936	ug/l #	47
29) Tetrahydrofuran	5.050	42	92	0.223	ug/l #	47
31) Cyclohexane	5.562	56	2288	1.400	ug/l #	2
36) 1,1-Dichloropropene	5.550	75	8443	5.026	ug/l #	49
37) Ethyl Acetate	4.715	43	16857	11.502	ug/l	97
38) Carbon Tetrachloride	5.550	117	11275	6.051	ug/l #	16
43) Isopropyl Acetate	6.336	43	76611	31.609	ug/l	99
48) Methyl methacrylate	7.799	41	74650	59.837	ug/l #	43
49) 1,4-Dioxane	7.805	88	82	3.571	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	64357	43.032	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	528	1.789	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29289	15.482	ug/l #	59
56) Ethyl methacrylate	9.244	69	692	0.398	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3680	1.807	ug/l #	42
59) 2-Hexanone	9.482	43	55927	50.622	ug/l #	51
74) N-amyl acetate	10.640	43	20141	10.966	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	31585	22.074	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31585	71.750	ug/l #	6

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

Quant Time: Dec 05 01:13:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration

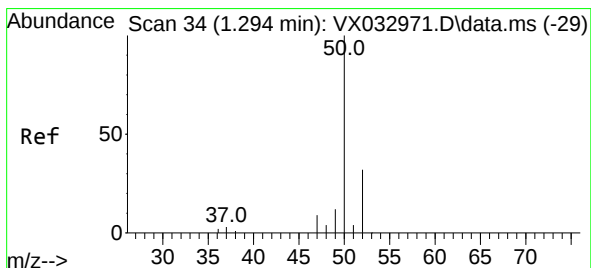
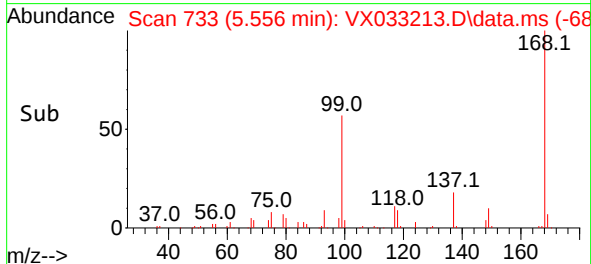
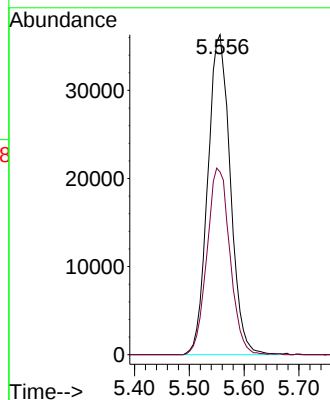
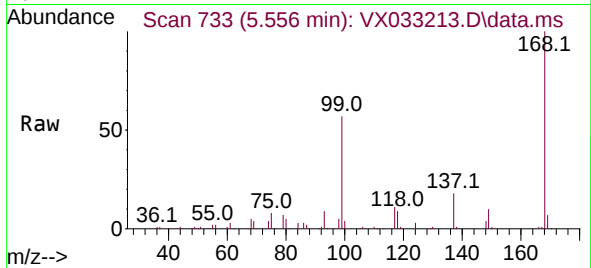




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

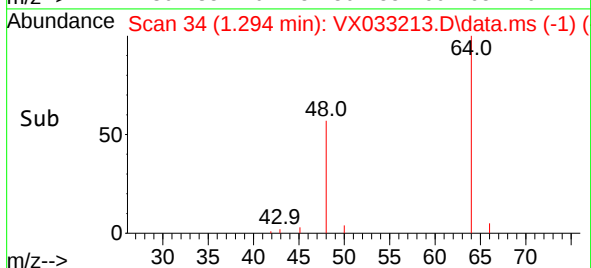
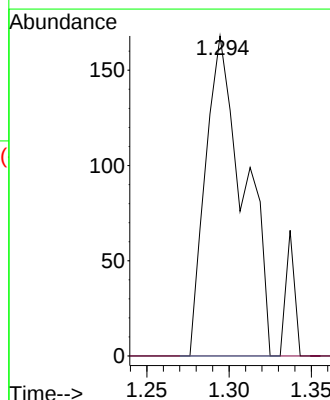
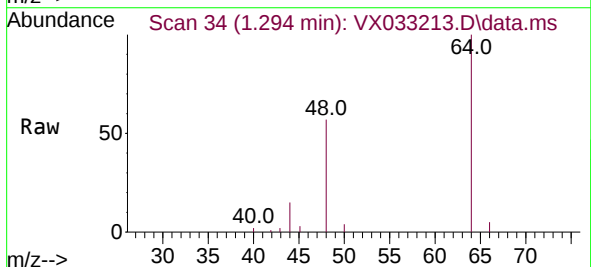
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#07

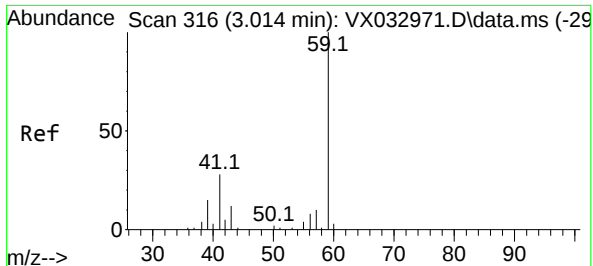
Tgt Ion:168 Resp: 103550
Ion Ratio Lower Upper
168 100
99 57.1 46.1 69.1



#3
Chloromethane
Concen: 0.320 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

Tgt Ion: 50 Resp: 273
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 19.562 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.024 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

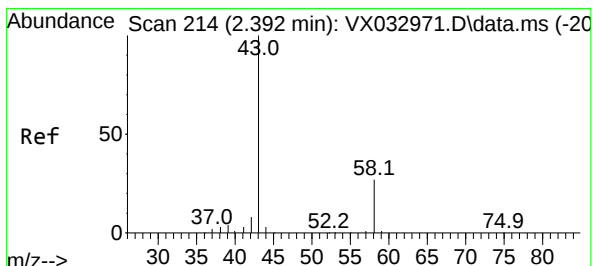
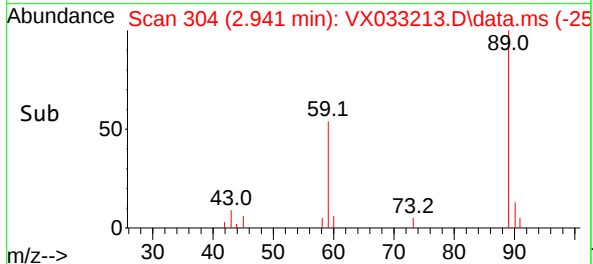
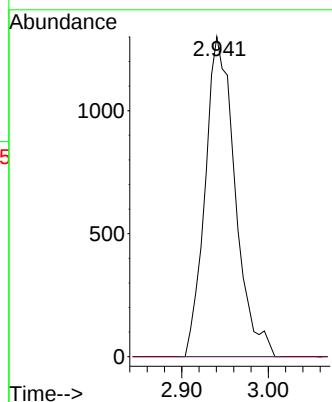
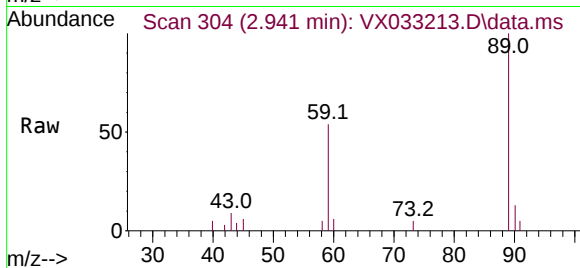
PB149377ZHE#07

Tgt Ion: 59 Resp: 3127

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 19.458 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX033213.D

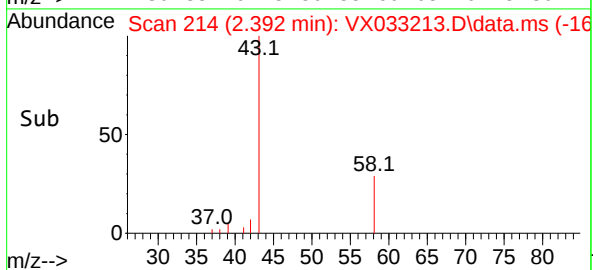
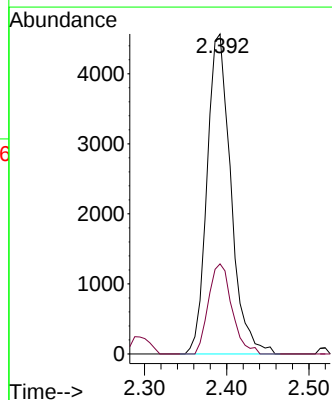
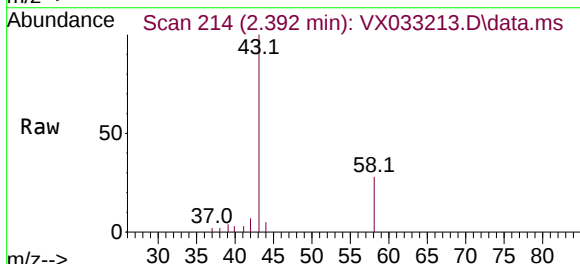
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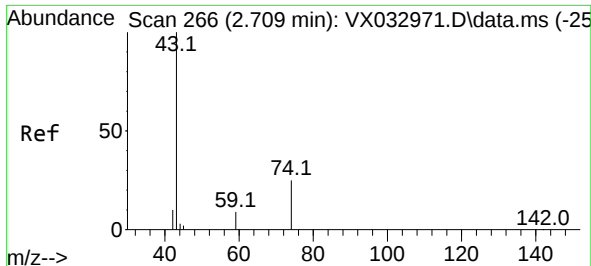
Tgt Ion: 43 Resp: 9164

Ion Ratio Lower Upper

43 100

58 28.2 23.8 35.8





#18

Methyl Acetate

Concen: 1.329 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

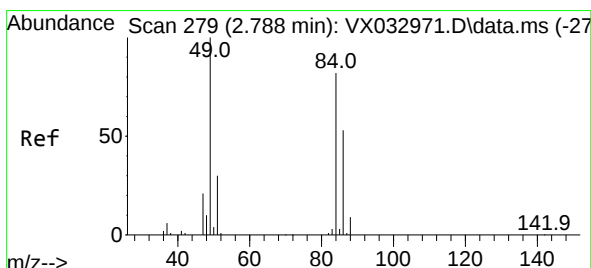
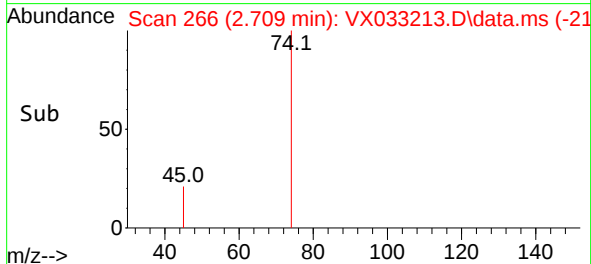
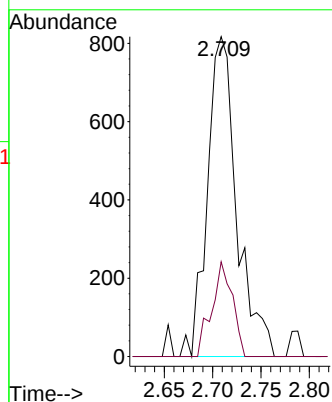
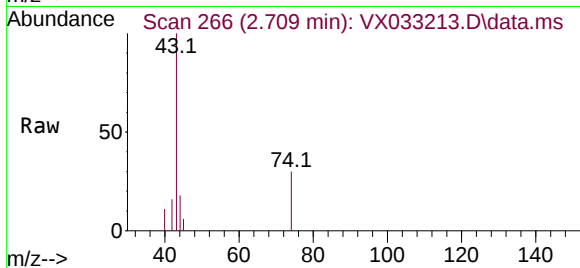
PB149377ZHE#07

Tgt Ion: 43 Resp: 1732

Ion Ratio Lower Upper

43 100

74 20.7 19.4 29.0



#20

Methylene Chloride

Concen: 3.668 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

Tgt Ion: 84 Resp: 4773

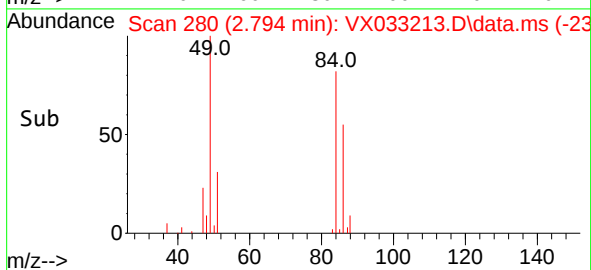
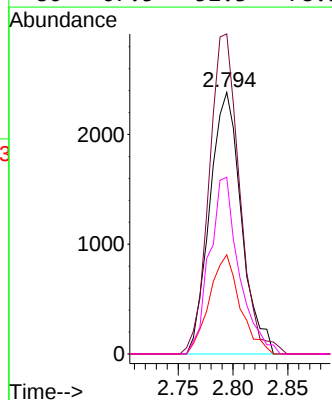
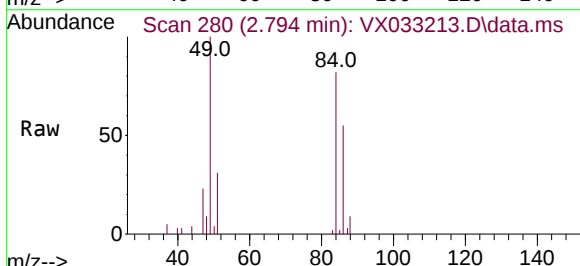
Ion Ratio Lower Upper

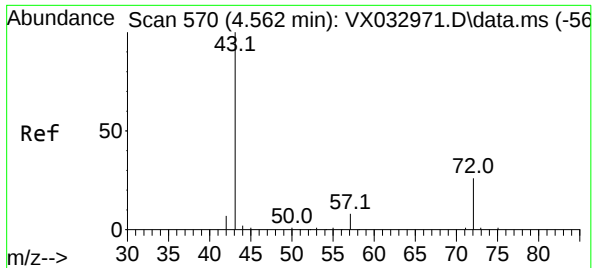
84 100

49 122.3 101.0 151.6

51 38.0 31.1 46.7

86 67.5 52.3 78.5

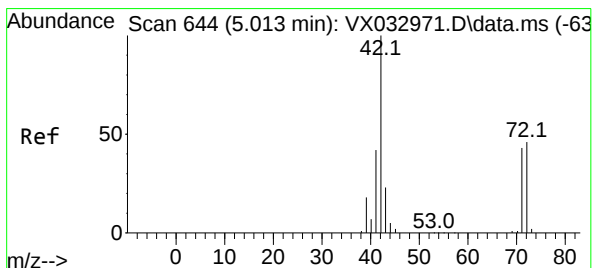
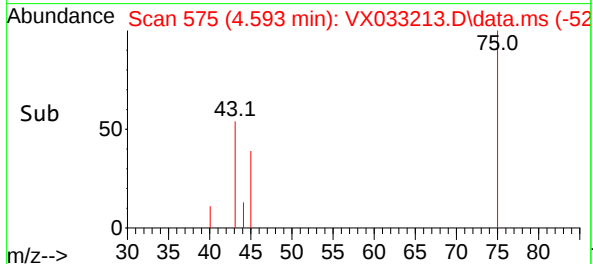
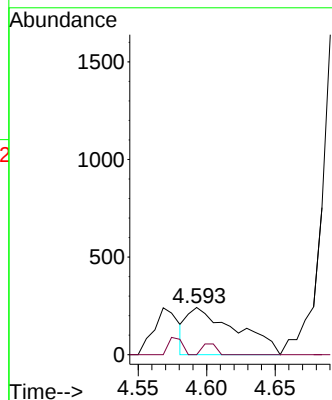
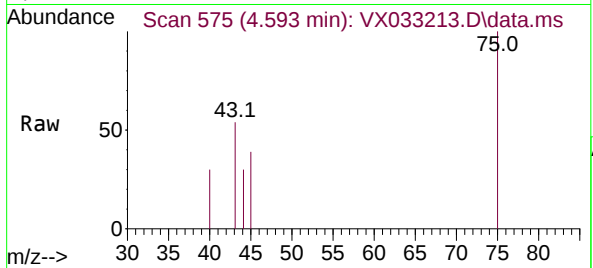




#25
2-Butanone
Concen: 0.936 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

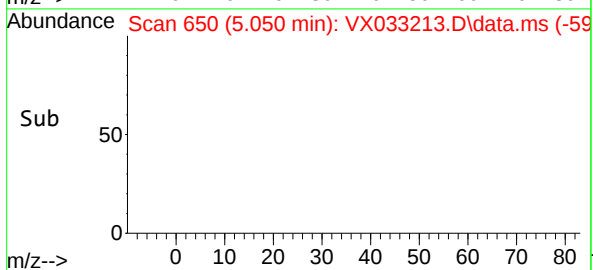
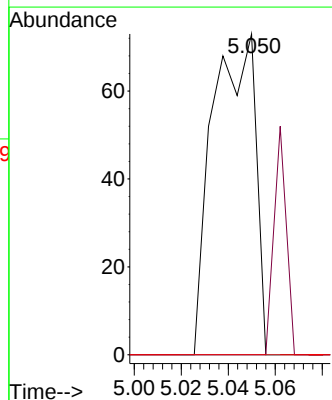
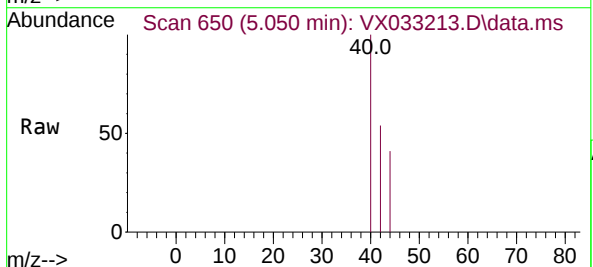
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#07

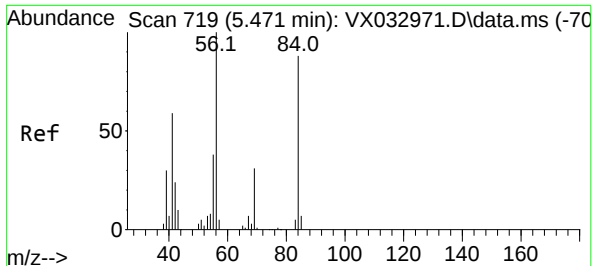
Tgt Ion: 43 Resp: 608
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#



#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.049 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

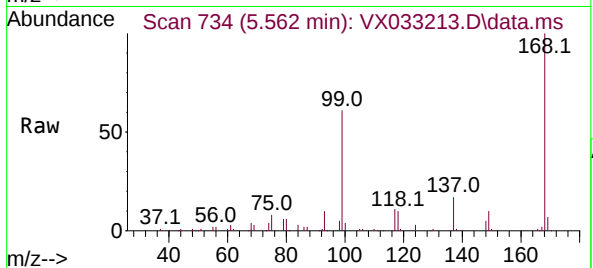
Tgt Ion: 42 Resp: 92
Ion Ratio Lower Upper
42 100
72 20.7 37.6 56.4#
71 0.0 34.7 52.1#





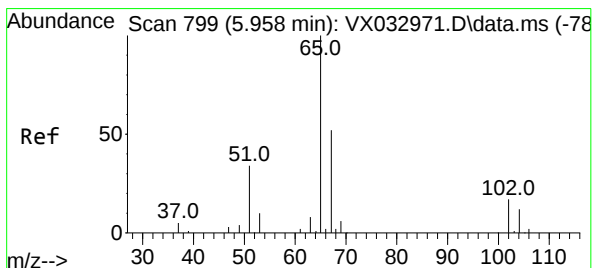
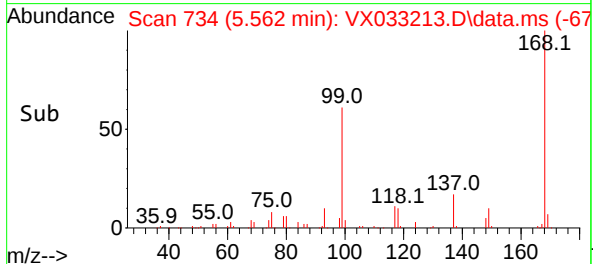
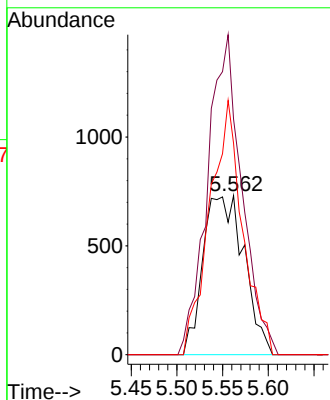
#31
Cyclohexane
Concen: 1.400 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#07



Tgt Ion: 56 Resp: 2288

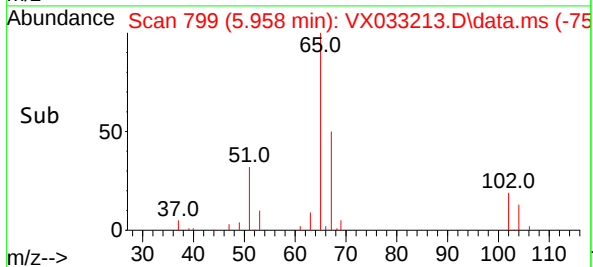
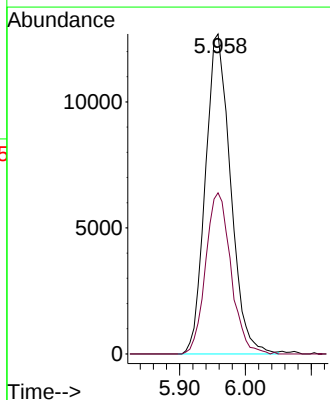
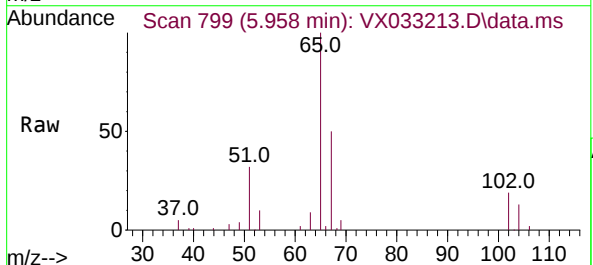
Ion	Ratio	Lower	Upper
56	100		
69	148.0	24.1	36.1#
84	132.8	66.9	100.3#

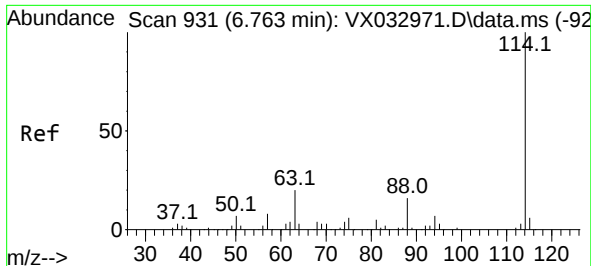


#33
1,2-Dichloroethane-d4
Concen: 32.317 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

Tgt Ion: 65 Resp: 33821

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	101.8

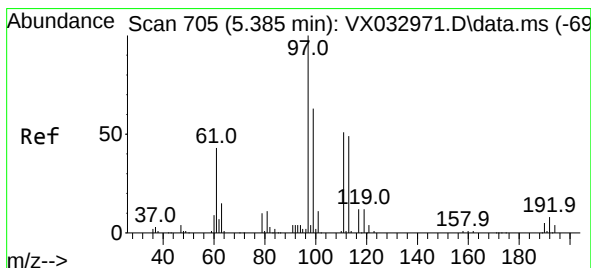
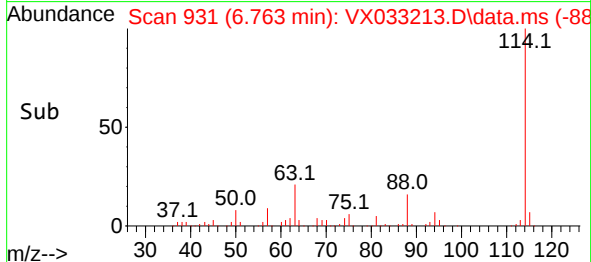
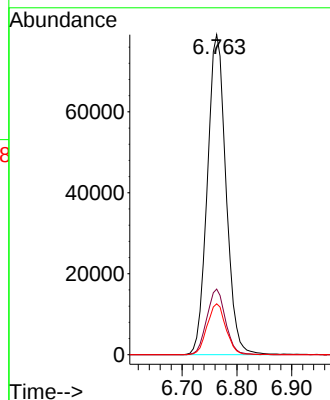
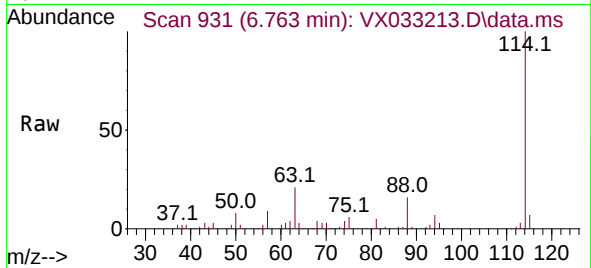




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

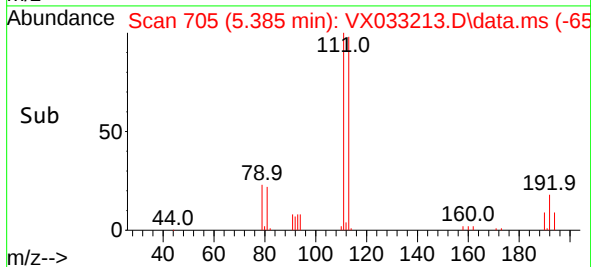
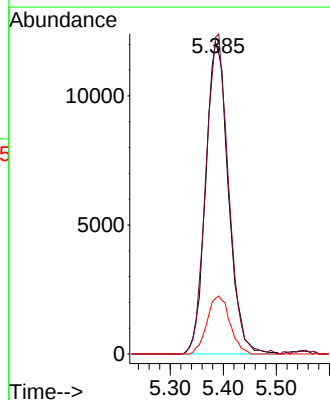
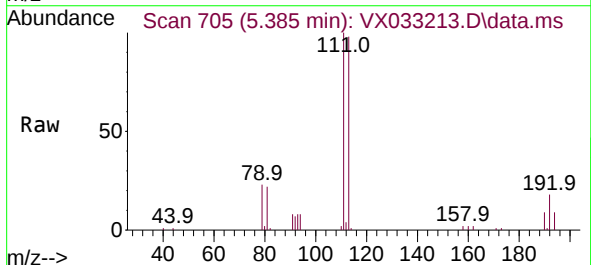
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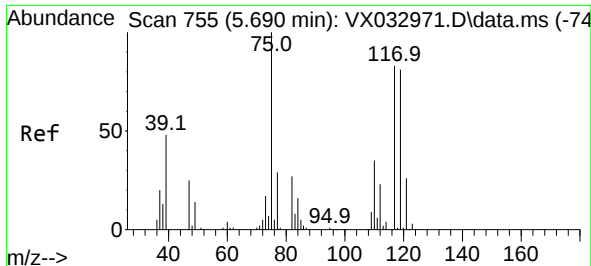
Tgt Ion:114 Resp: 186346
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.6
88 15.9 0.0 33.4



#35
Dibromofluoromethane
Concen: 34.198 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

Tgt Ion:113 Resp: 35927
Ion Ratio Lower Upper
113 100
111 102.4 82.4 123.6
192 18.6 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.026 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#07

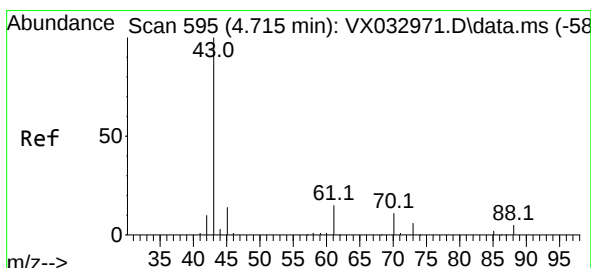
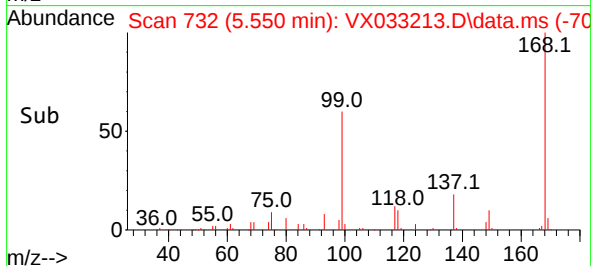
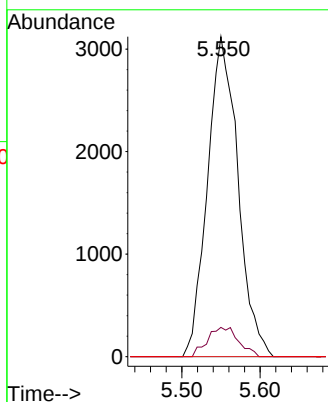
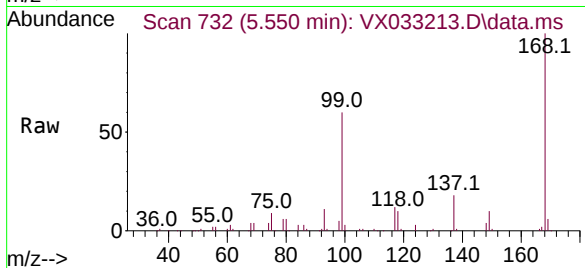
Tgt Ion: 75 Resp: 8443

Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 11.502 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

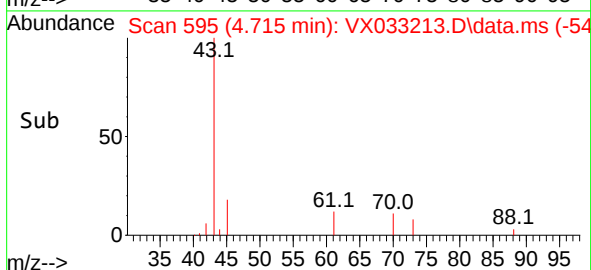
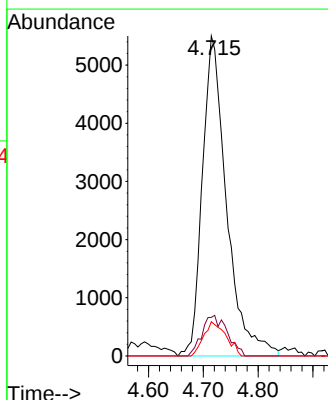
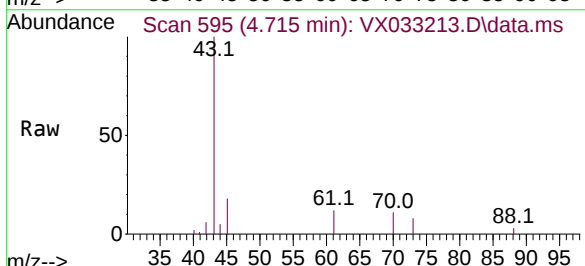
Tgt Ion: 43 Resp: 16857

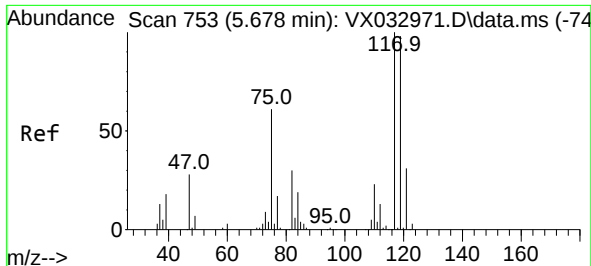
Ion Ratio Lower Upper

43 100

61 13.2 11.5 17.3

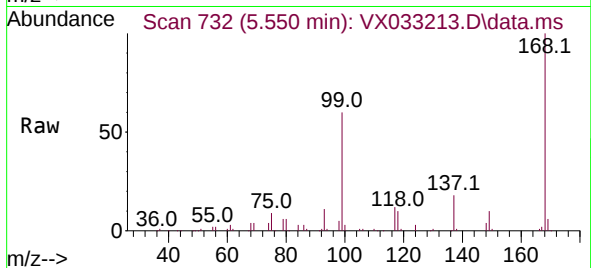
70 9.8 9.1 13.7



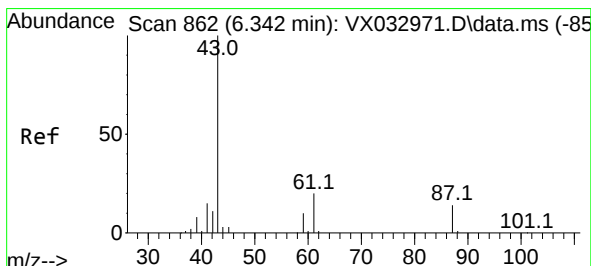
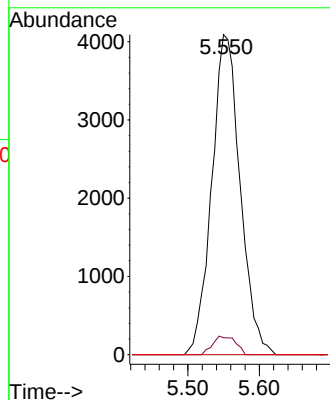
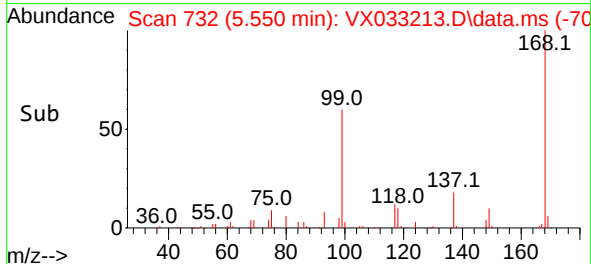


#38
Carbon Tetrachloride
Concen: 6.051 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

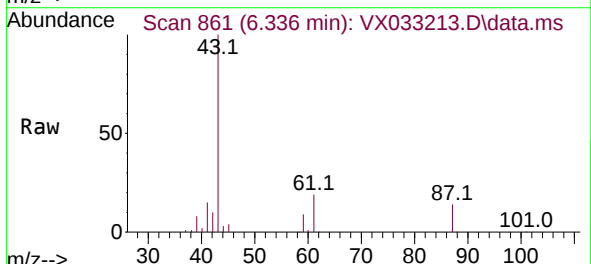
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#07



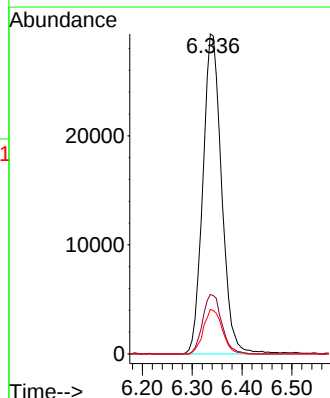
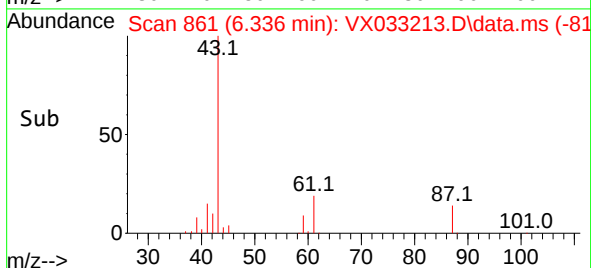
Tgt Ion:117 Resp: 11275
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 25.8 38.6#

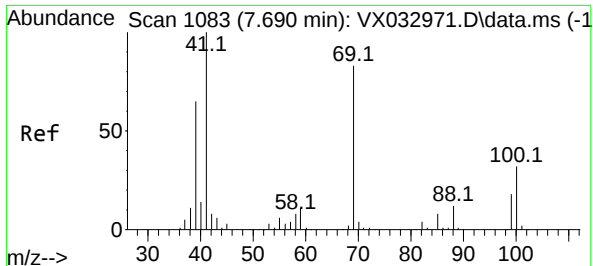


#43
Isopropyl Acetate
Concen: 31.609 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48



Tgt Ion: 43 Resp: 76611
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.0
87 13.9 10.8 16.2





#48

Methyl methacrylate

Concen: 59.837 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#07

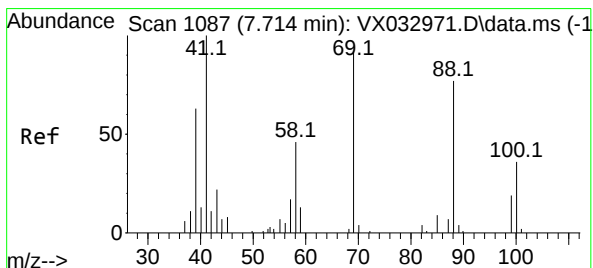
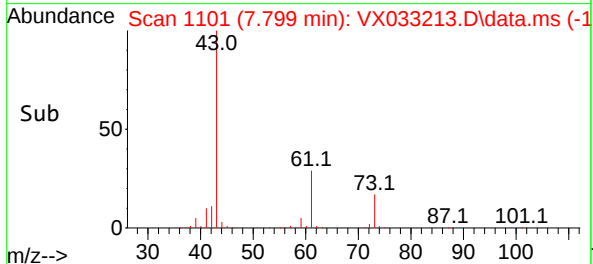
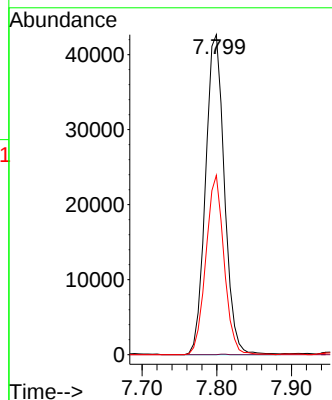
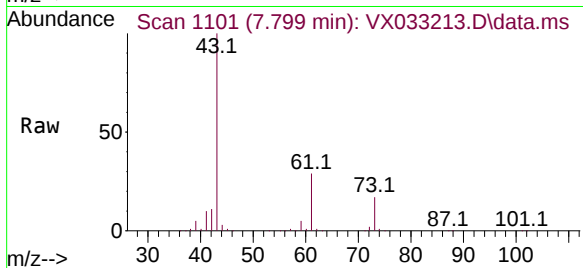
Tgt Ion: 41 Resp: 74650

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 54.0 51.9 77.9



#49

1,4-Dioxane

Concen: 3.571 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.134 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

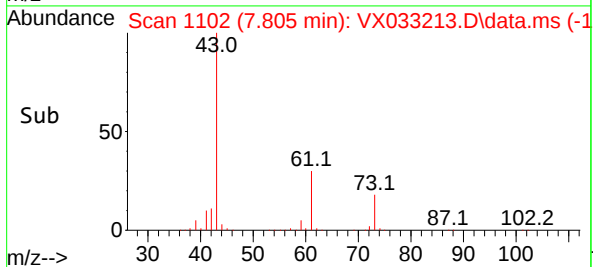
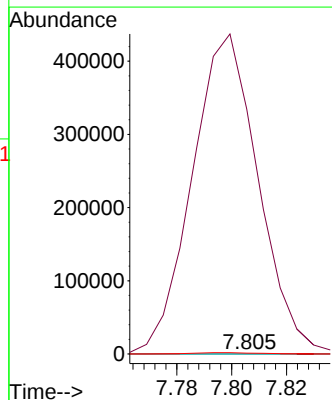
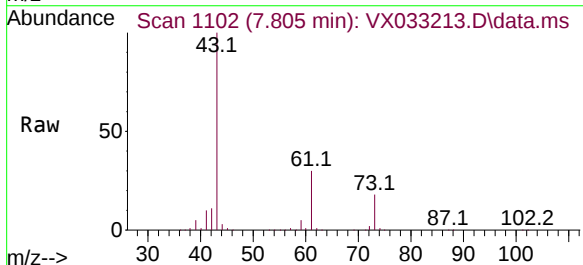
Tgt Ion: 88 Resp: 82

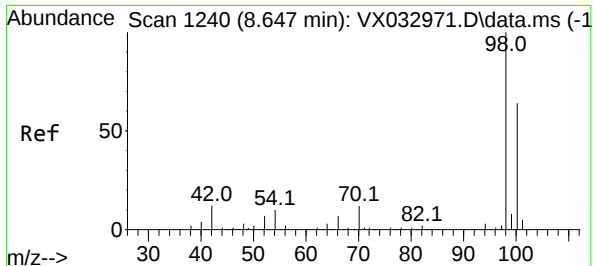
Ion Ratio Lower Upper

88 100

43 902172.0 26.6 39.8#

58 3701.2 51.7 77.5#

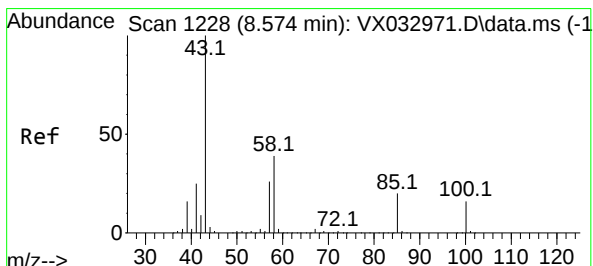
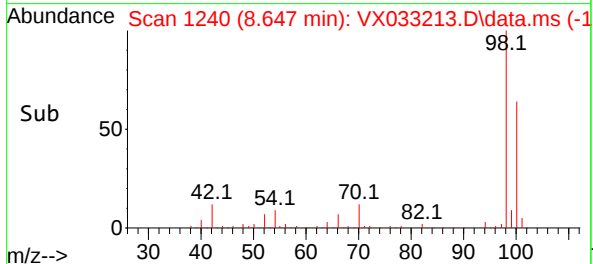
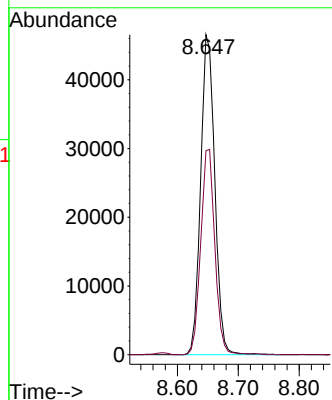
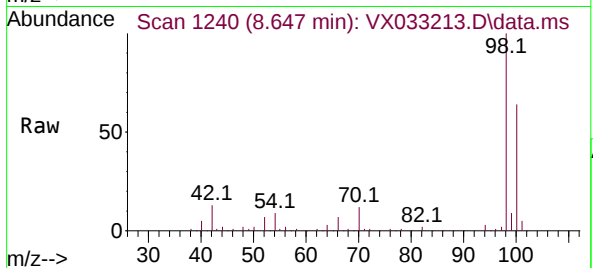




#50
Toluene-d8
Concen: 22.583 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

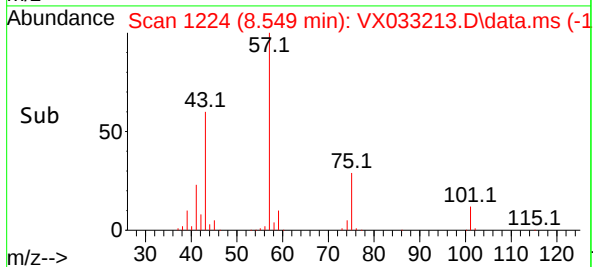
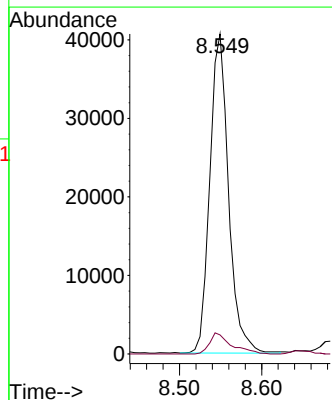
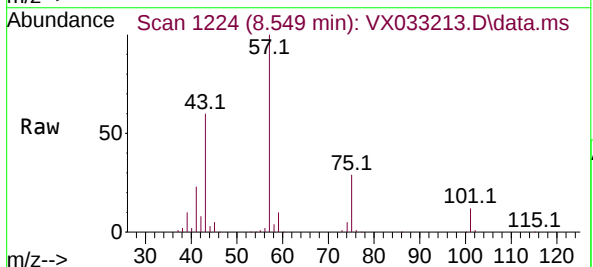
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#07

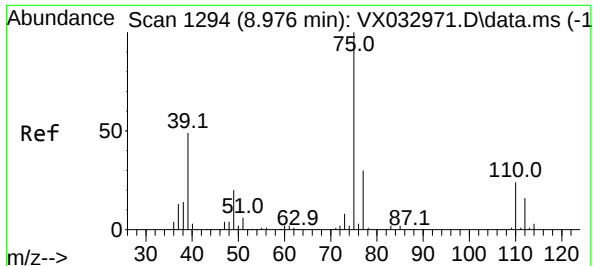
Tgt Ion: 98 Resp: 75123
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 43.032 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

Tgt Ion: 43 Resp: 64357
Ion Ratio Lower Upper
43 100
58 7.6 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 1.789 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

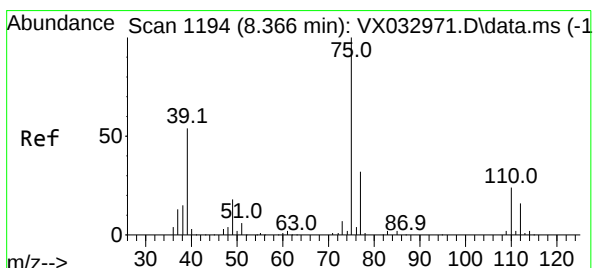
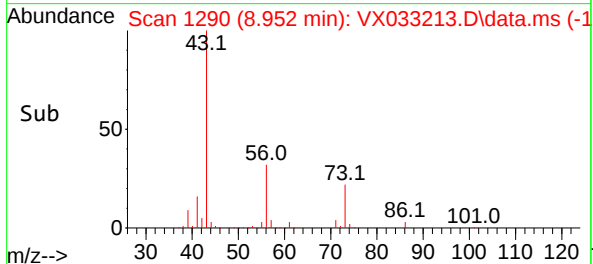
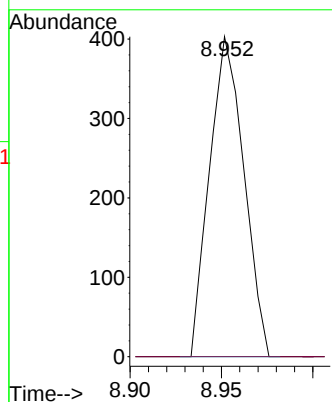
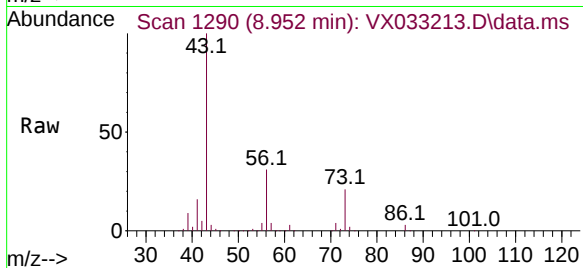
PB149377ZHE#07

Tgt Ion: 75 Resp: 528

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 15.482 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

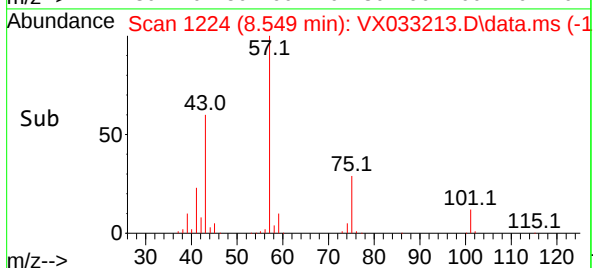
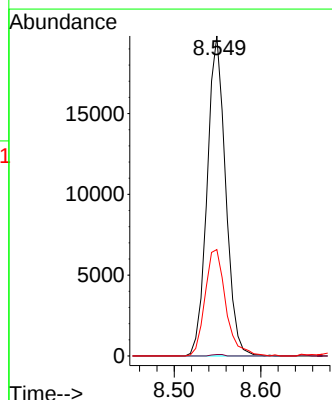
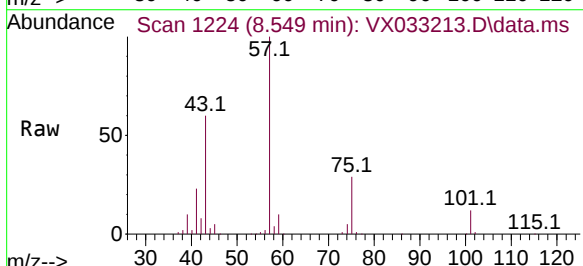
Tgt Ion: 75 Resp: 29289

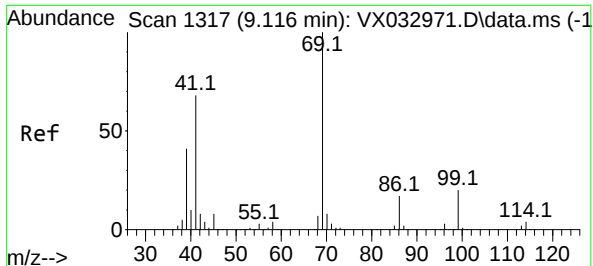
Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

39 33.3 45.5 68.3#





#56

Ethyl methacrylate

Concen: 0.398 ug/l

RT: 9.244 min Scan# 1

Delta R.T. 0.128 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

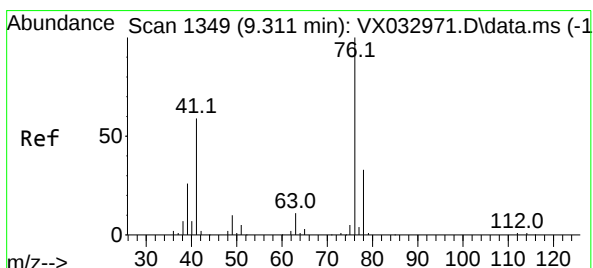
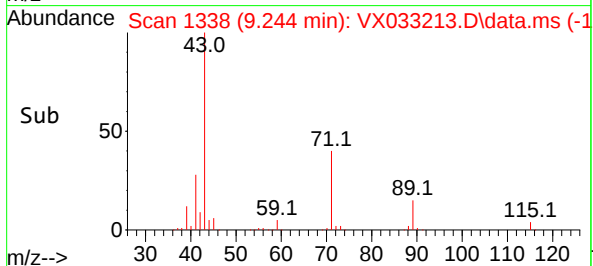
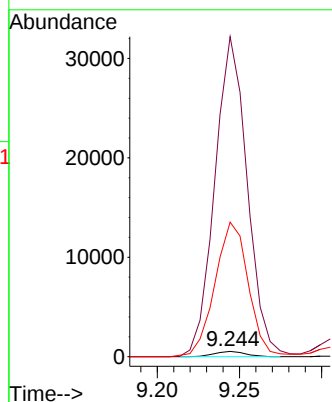
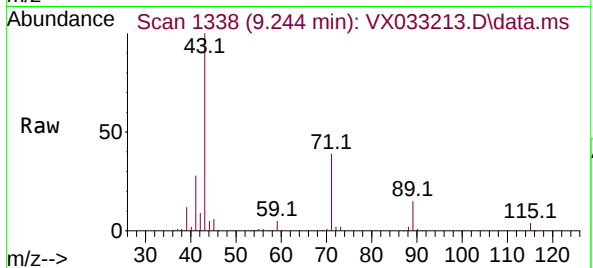
Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#07

Tgt Ion:	69	Resp:	692
Ion Ratio	Lower	Upper	
69	100		
41	6399.7	54.3	81.5#
39	2776.4	35.2	52.8#



#57

1,3-Dichloropropane

Concen: 1.807 ug/l

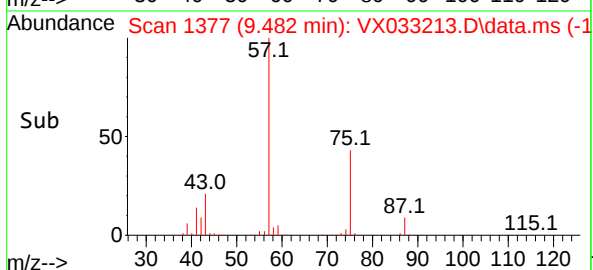
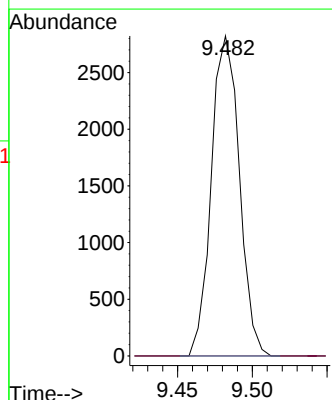
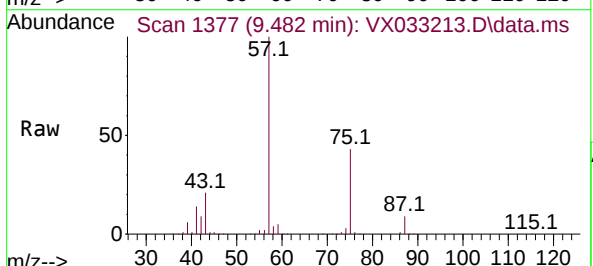
RT: 9.482 min Scan# 1377

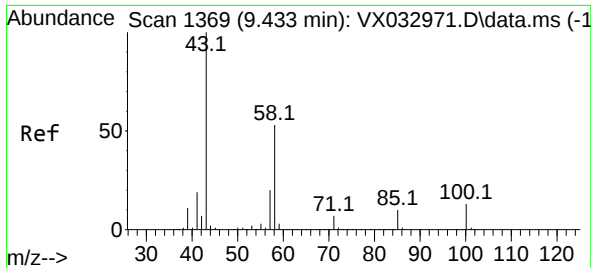
Delta R.T. 0.171 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

Tgt Ion:	76	Resp:	3680
Ion Ratio	Lower	Upper	
76	100		
78	0.0	26.0	39.0#





#59

2-Hexanone

Concen: 50.622 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

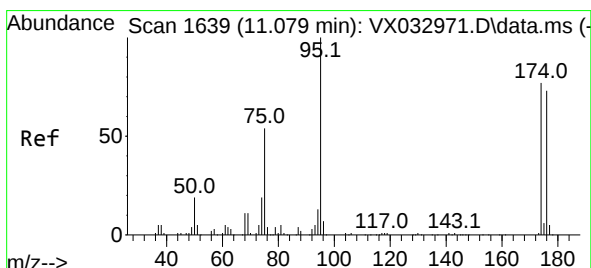
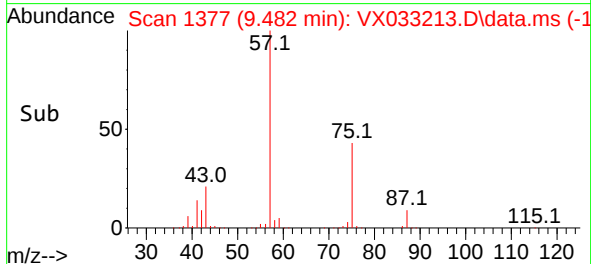
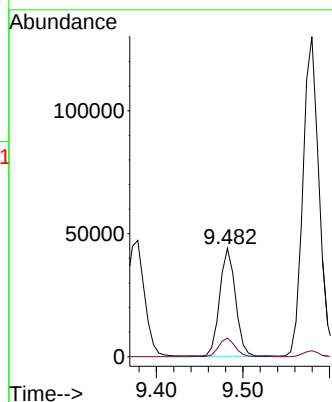
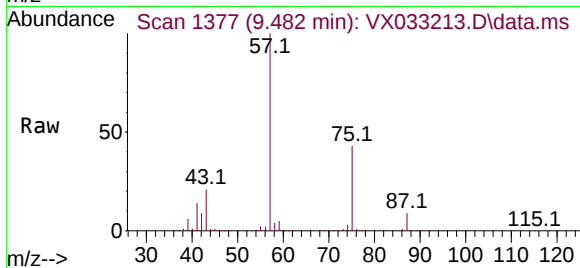
PB149377ZHE#07

Tgt Ion: 43 Resp: 55927

Ion Ratio Lower Upper

43 100

58 18.0 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 42.860 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

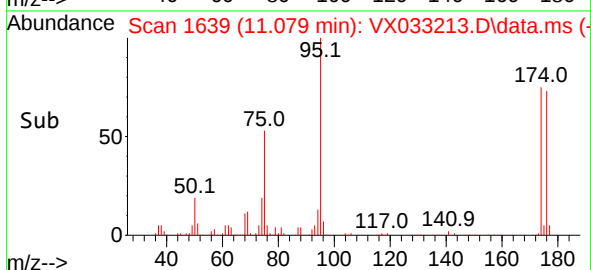
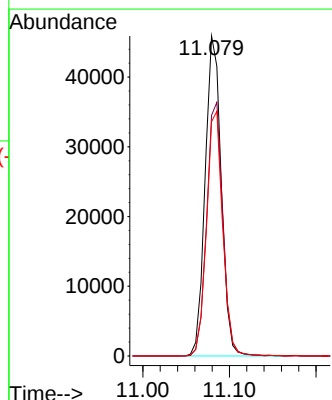
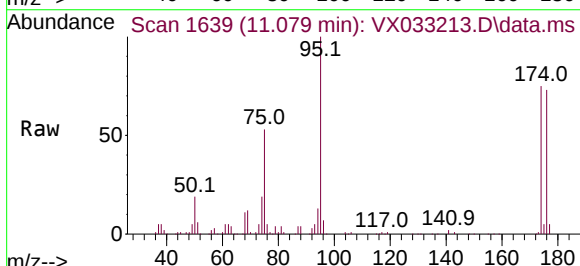
Tgt Ion: 95 Resp: 59147

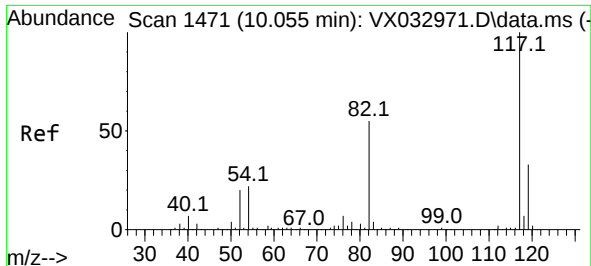
Ion Ratio Lower Upper

95 100

174 80.0 0.0 164.0

176 76.7 0.0 154.4

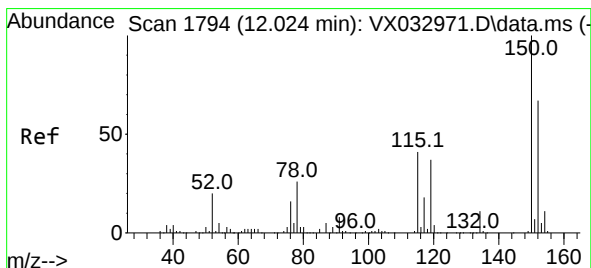
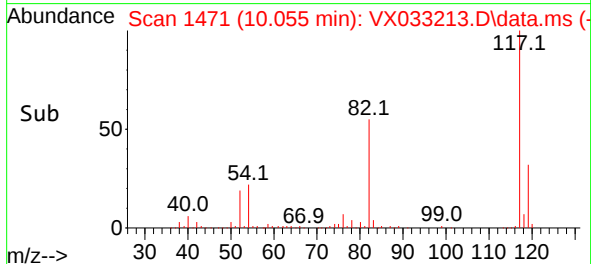
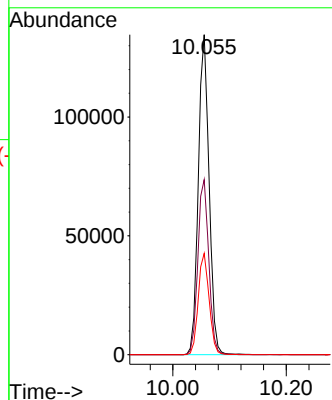
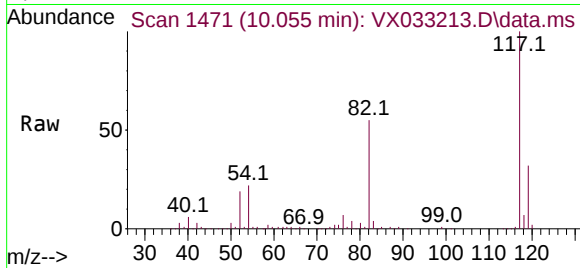




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

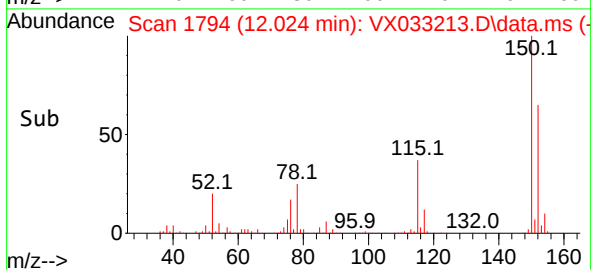
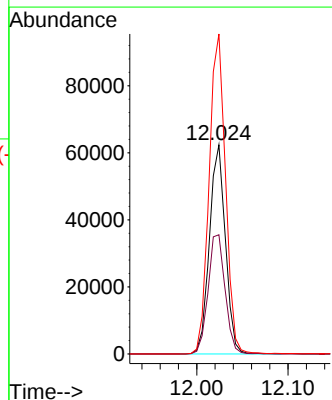
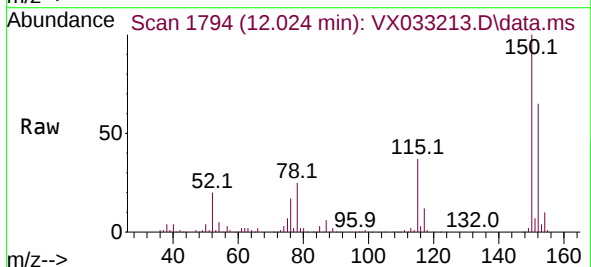
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#07

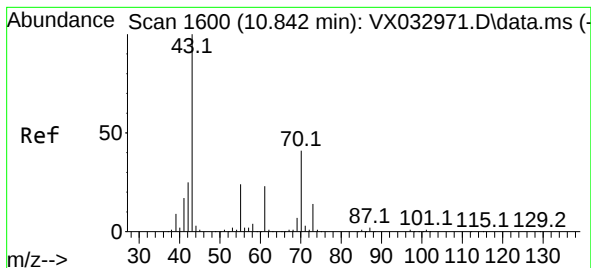
Tgt Ion:117 Resp: 177090
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

Tgt Ion:152 Resp: 75555
Ion Ratio Lower Upper
152 100
115 60.7 44.0 132.0
150 156.7 0.0 351.8





#74

N-amy1 acetate

Concen: 10.966 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX033213.D

Acq: 03 Dec 2022 01:48

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#07

Tgt Ion: 43 Resp: 20141

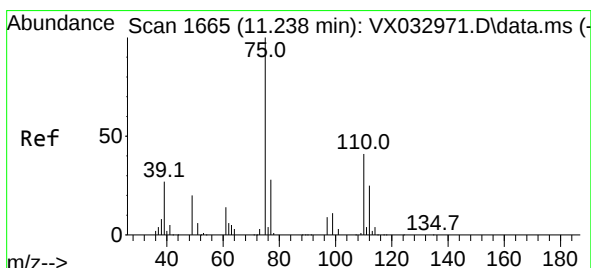
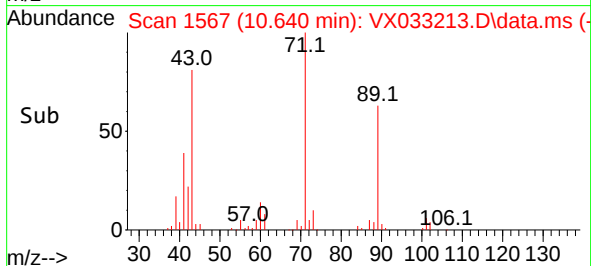
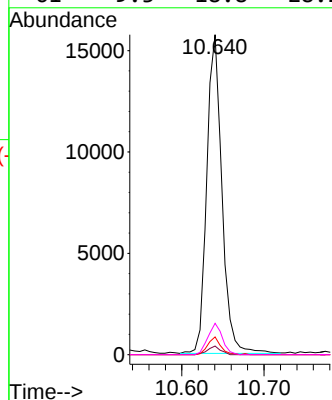
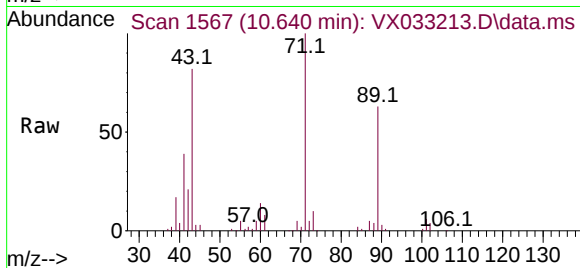
Ion Ratio Lower Upper

43 100

70 2.3 33.6 50.4#

55 4.9 19.4 29.2#

61 9.3 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 22.074 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033213.D

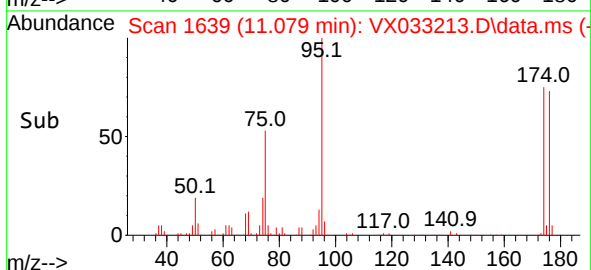
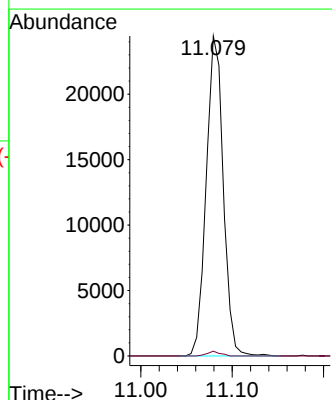
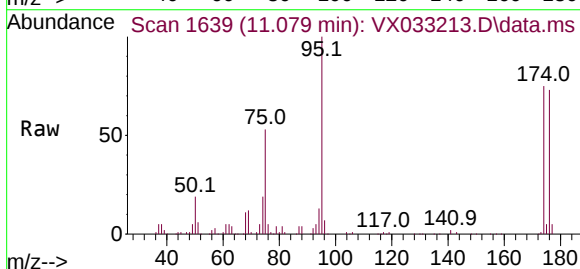
Acq: 03 Dec 2022 01:48

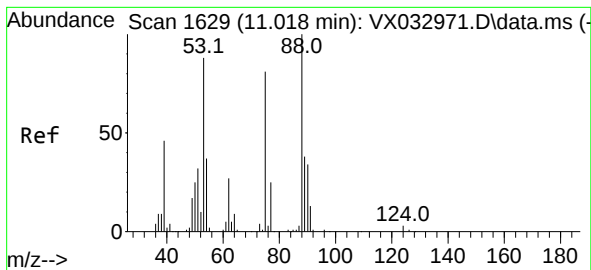
Tgt Ion: 75 Resp: 31585

Ion Ratio Lower Upper

75 100

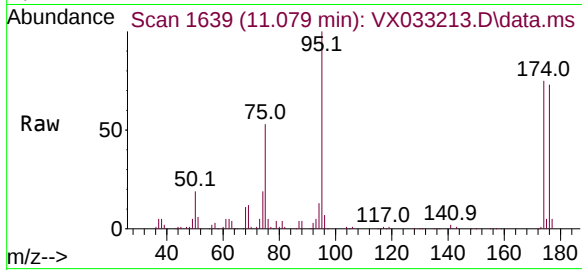
77 1.1 20.0 60.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.750 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033213.D
Acq: 03 Dec 2022 01:48

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#07



Tgt Ion: 75 Resp: 31585
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

