

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033212.D
 Acq On : 03 Dec 2022 01:24
 Operator : JC/MD
 Sample : PB149377ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149377ZHE#06

Quant Time: Dec 05 01:12:52 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

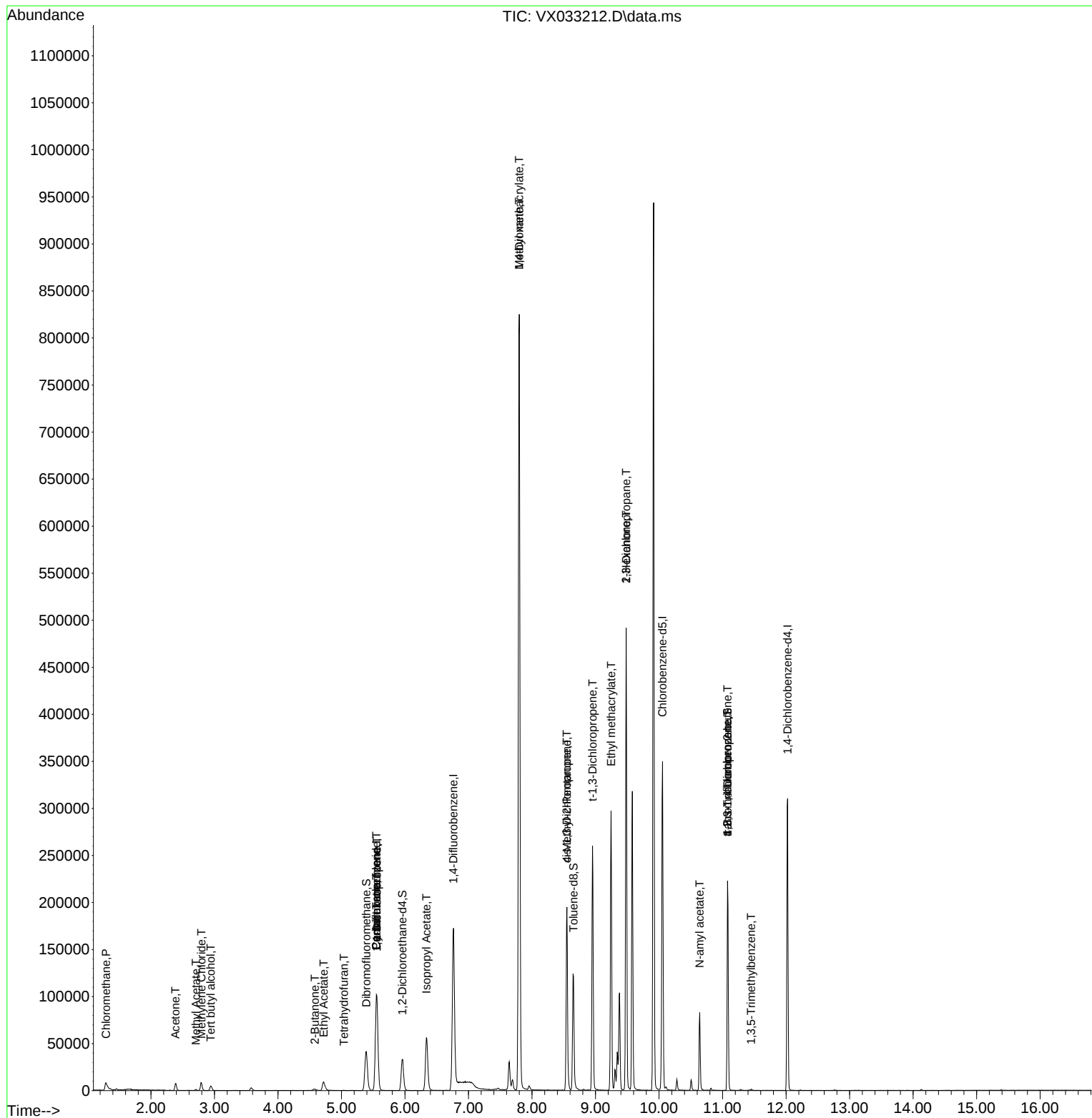
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	95451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	168764	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	154476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	34787	36.448	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	72.900%#
35) Dibromofluoromethane	5.391	113	37027	38.917	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	77.840%
50) Toluene-d8	8.653	98	74783	25.047	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	50.100%#
62) 4-Bromofluorobenzene	11.079	95	57086	45.676	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.360%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	289	0.367	ug/l #	43
11) Tert butyl alcohol	2.941	59	2905	19.715	ug/l #	72
16) Acetone	2.386	43	9504	21.893	ug/l	99
18) Methyl Acetate	2.709	43	1433	1.192	ug/l	99
20) Methylene Chloride	2.794	84	4100	3.328	ug/l #	90
25) 2-Butanone	4.580	43	624	1.042	ug/l	98
29) Tetrahydrofuran	5.038	42	101	0.266	ug/l #	31
31) Cyclohexane	5.550	56	2171	1.441	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	7574	4.979	ug/l #	50
37) Ethyl Acetate	4.721	43	16925	12.752	ug/l	98
38) Carbon Tetrachloride	5.550	117	10539	6.245	ug/l #	14
43) Isopropyl Acetate	6.336	43	77460	35.289	ug/l	99
48) Methyl methacrylate	7.799	41	75829	67.114	ug/l #	43
49) 1,4-Dioxane	7.799	88	41	1.971	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65945	48.687	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	587	1.850	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29174	17.027	ug/l #	62
56) Ethyl methacrylate	9.244	69	646	0.410	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3898	2.113	ug/l #	42
59) 2-Hexanone	9.482	43	56840	56.808	ug/l #	51
74) N-amyl acetate	10.640	43	20982	13.292	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	30142	24.510	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	814	0.209	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	30142	79.669	ug/l #	6

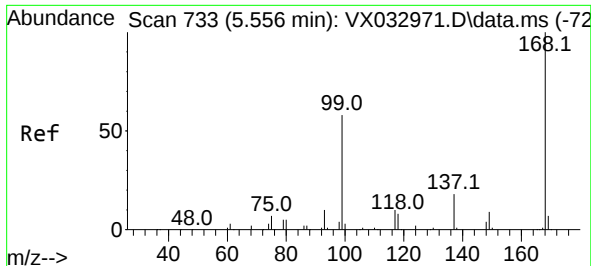
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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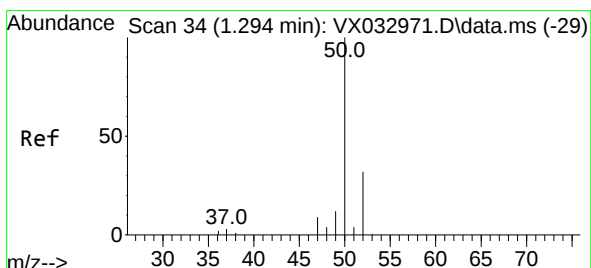
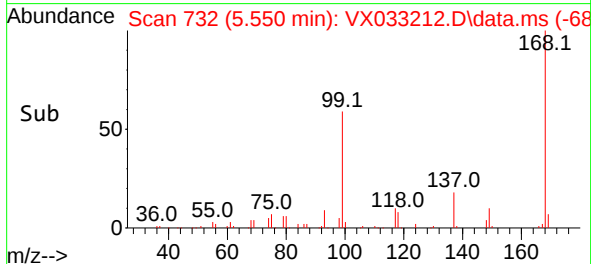
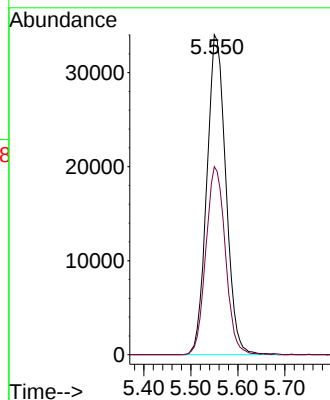
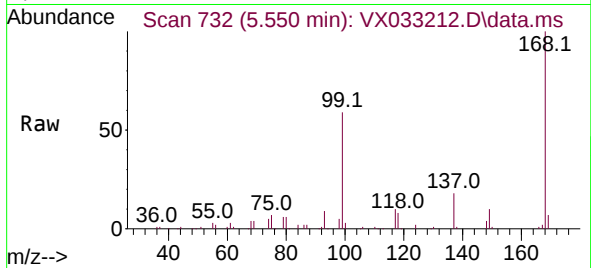




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

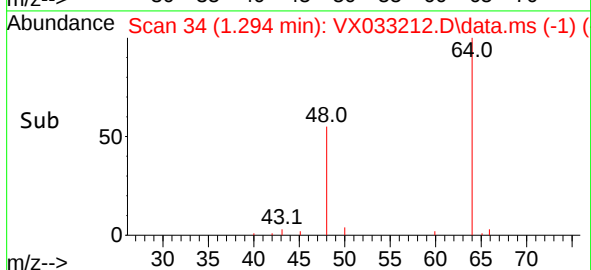
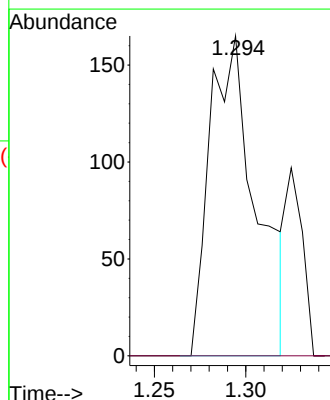
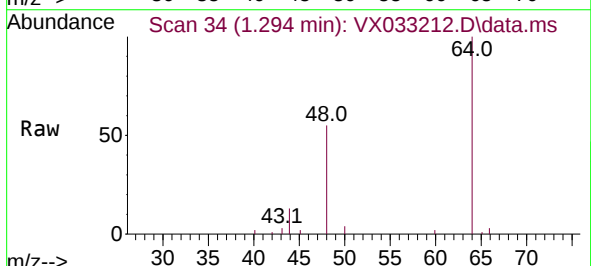
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#06

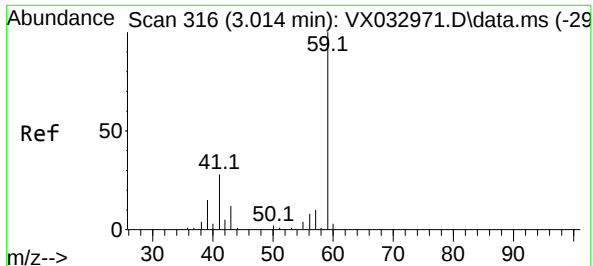
Tgt Ion:168 Resp: 95451
Ion Ratio Lower Upper
168 100
99 58.8 46.1 69.1



#3
Chloromethane
Concen: 0.367 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

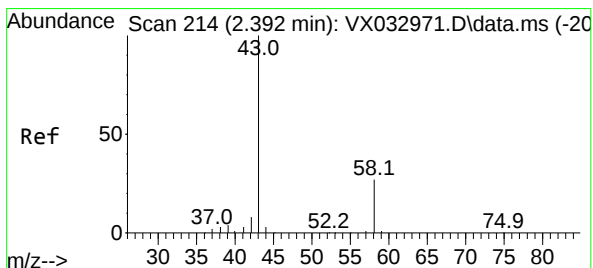
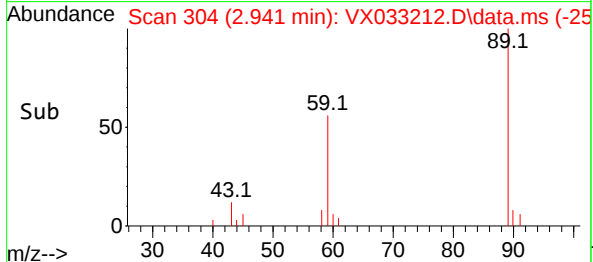
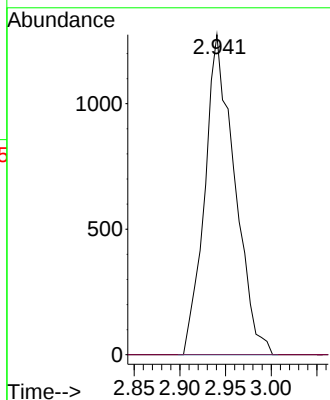
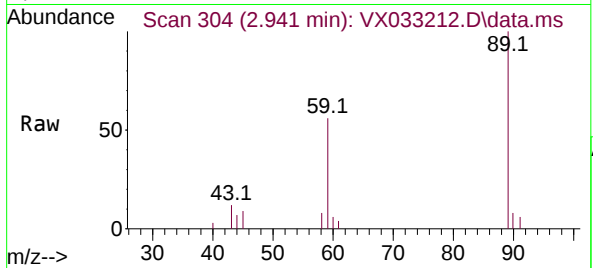




#11
Tert butyl alcohol
Concen: 19.715 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

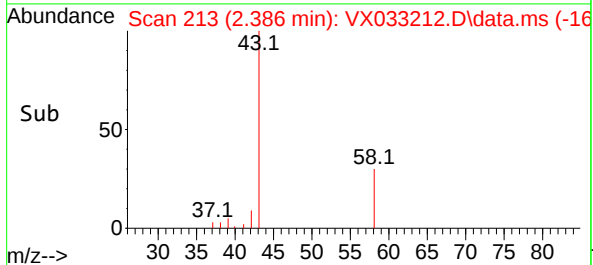
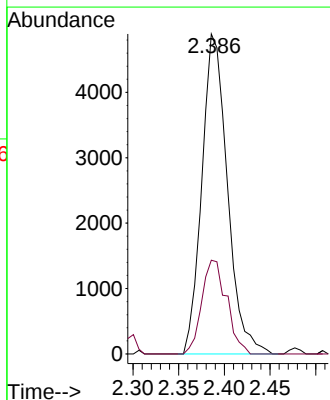
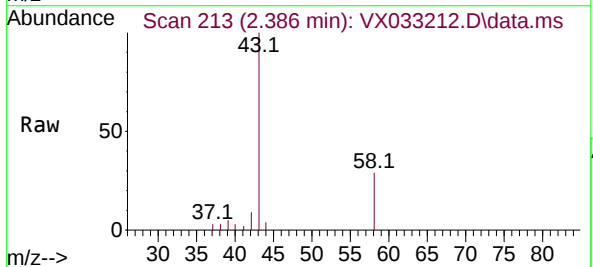
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#06

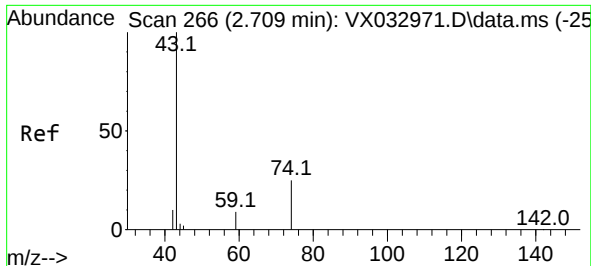
Tgt Ion: 59 Resp: 2905
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 21.893 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

Tgt Ion: 43 Resp: 9504
Ion Ratio Lower Upper
43 100
58 29.3 23.8 35.8

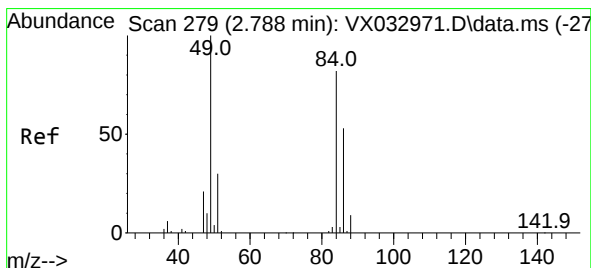
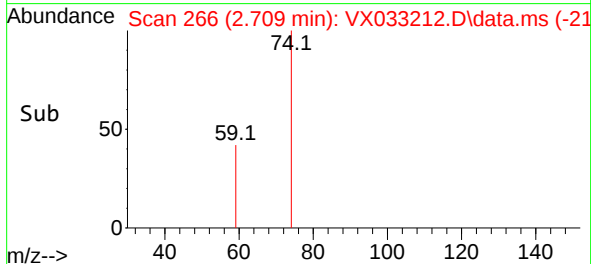
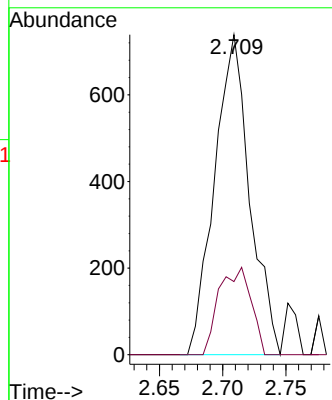
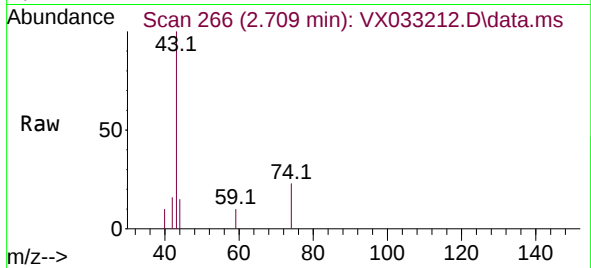




#18
Methyl Acetate
Concen: 1.192 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

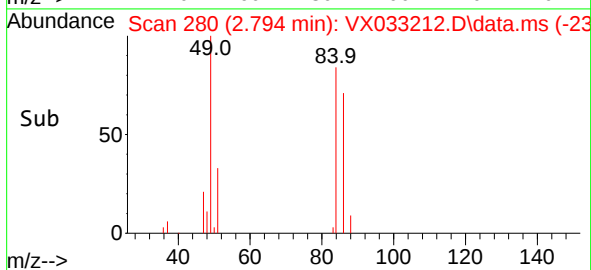
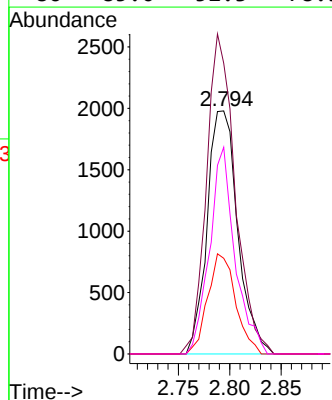
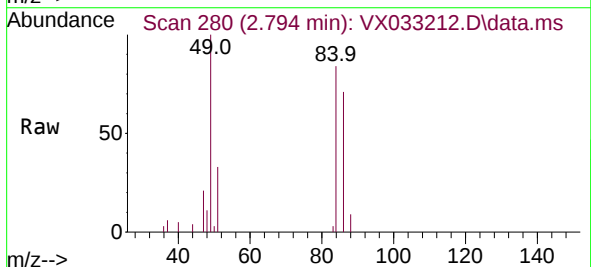
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#06

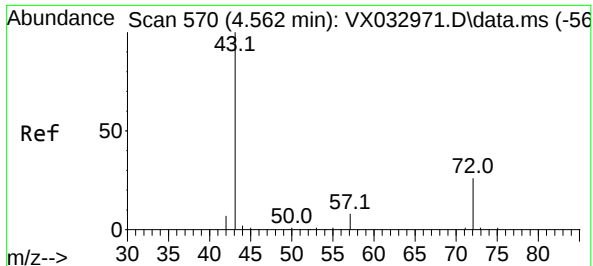
Tgt Ion: 43 Resp: 1433
Ion Ratio Lower Upper
43 100
74 24.8 19.4 29.0



#20
Methylene Chloride
Concen: 3.328 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

Tgt Ion: 84 Resp: 4100
Ion Ratio Lower Upper
84 100
49 119.7 101.0 151.6
51 39.4 31.1 46.7
86 85.0 52.3 78.5#





#25

2-Butanone

Concen: 1.042 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

Instrument :

MSVOA_X

ClientSampleId :

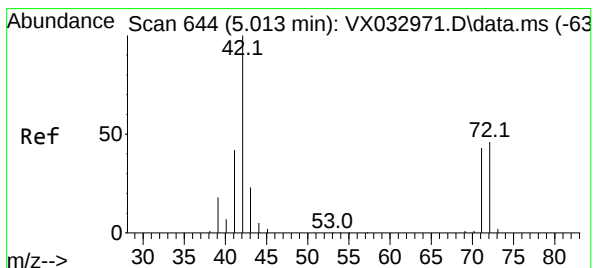
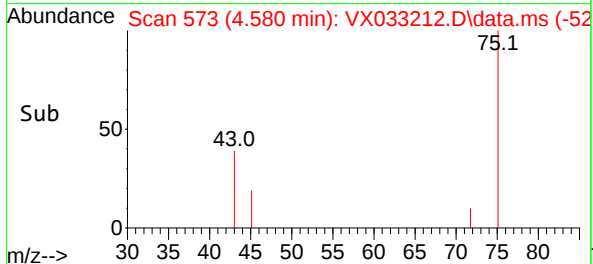
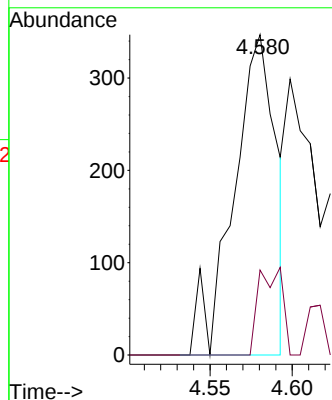
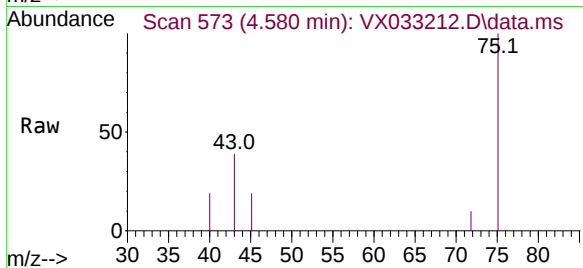
PB149377ZHE#06

Tgt Ion: 43 Resp: 624

Ion Ratio Lower Upper

43 100

72 26.5 22.2 33.2



#29

Tetrahydrofuran

Concen: 0.266 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.037 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

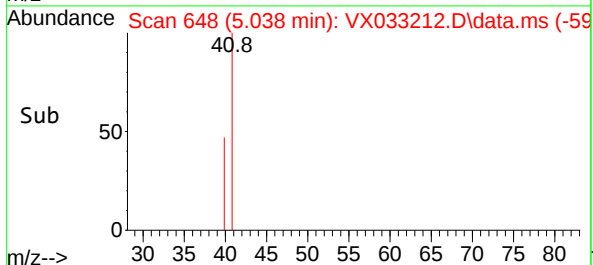
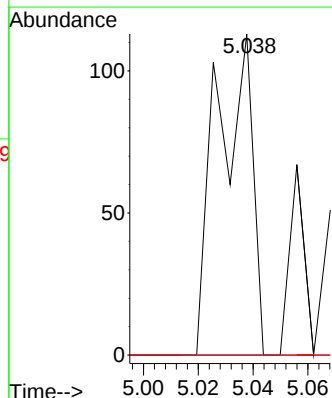
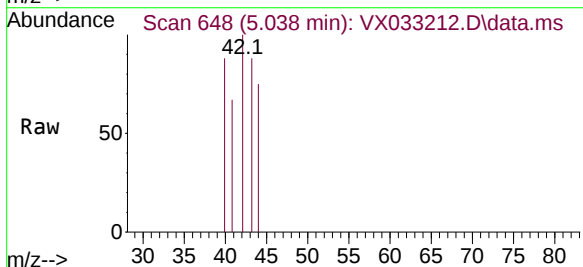
Tgt Ion: 42 Resp: 101

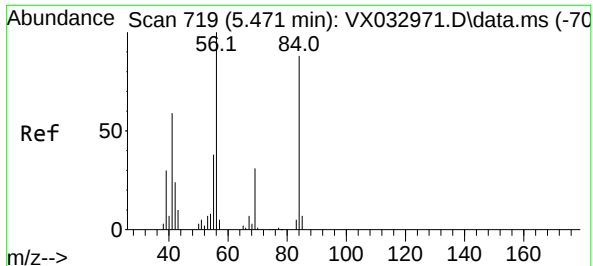
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#

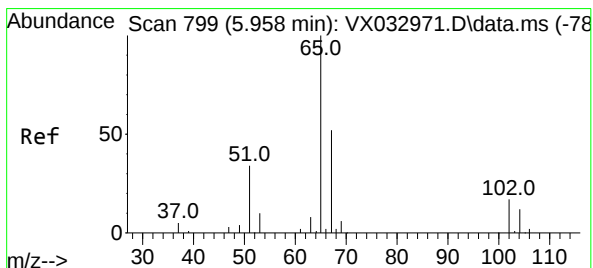
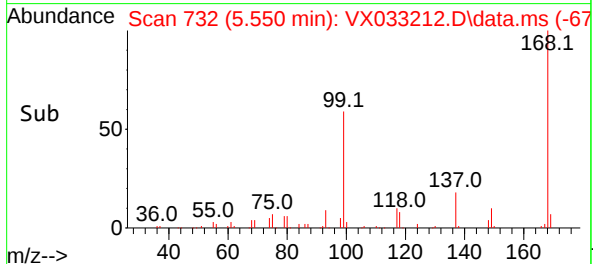
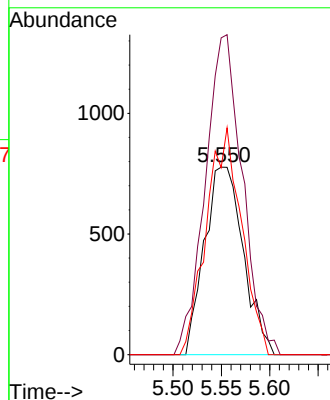
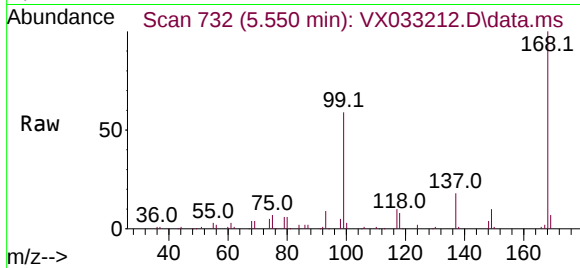




#31
Cyclohexane
Concen: 1.441 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

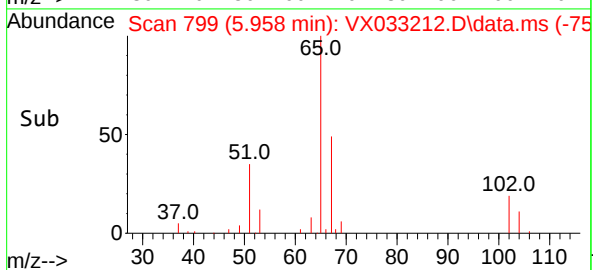
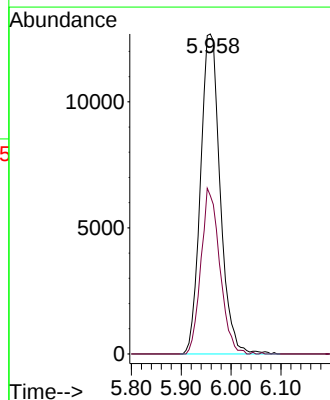
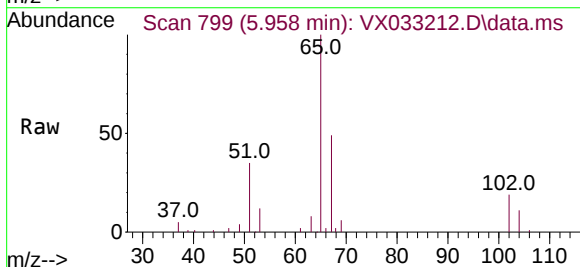
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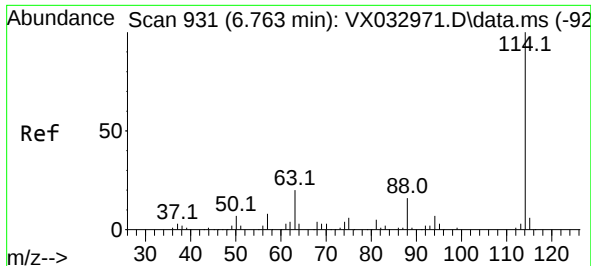
Tgt Ion: 56 Resp: 2171
Ion Ratio Lower Upper
56 100
69 169.0 24.1 36.1#
84 99.7 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 36.448 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

Tgt Ion: 65 Resp: 34787
Ion Ratio Lower Upper
65 100
67 49.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#06

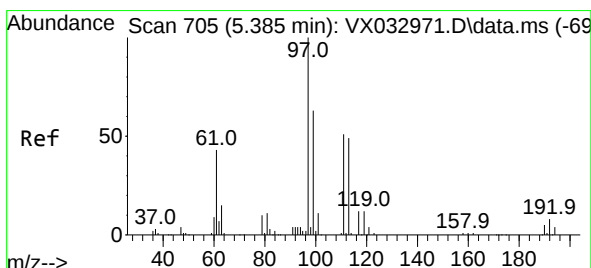
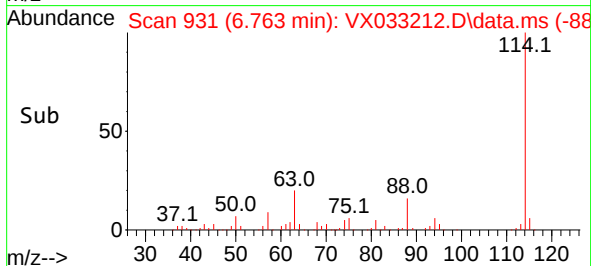
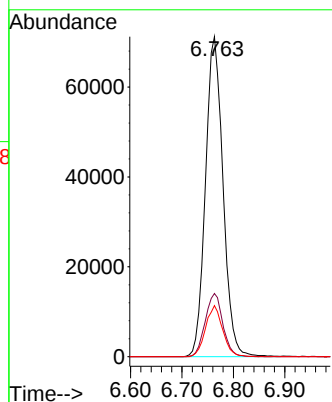
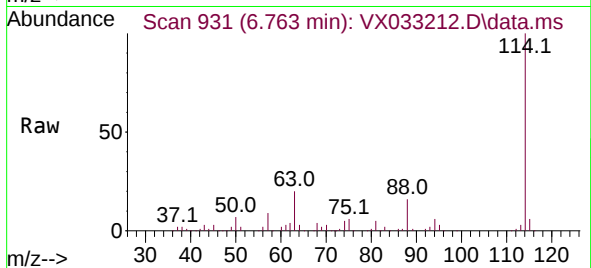
Tgt Ion:114 Resp: 168764

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.6

88 15.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 38.917 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

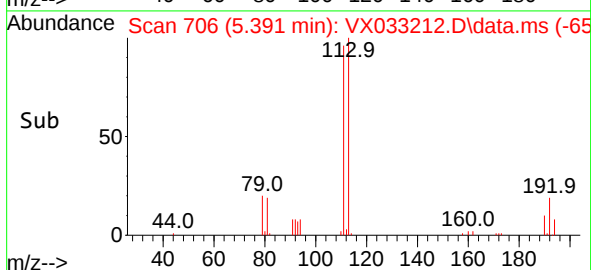
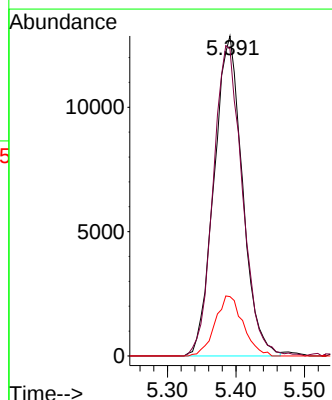
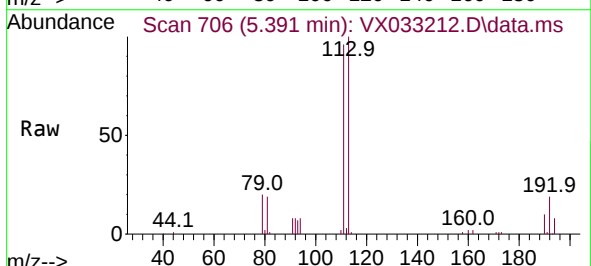
Tgt Ion:113 Resp: 37027

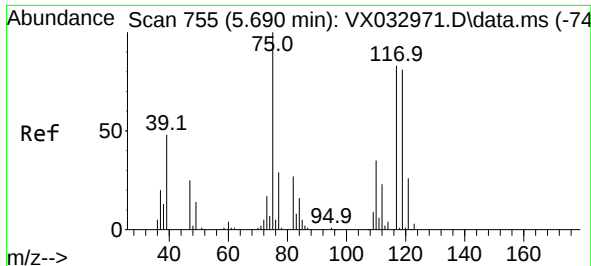
Ion Ratio Lower Upper

113 100

111 99.6 82.4 123.6

192 18.4 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.979 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#06

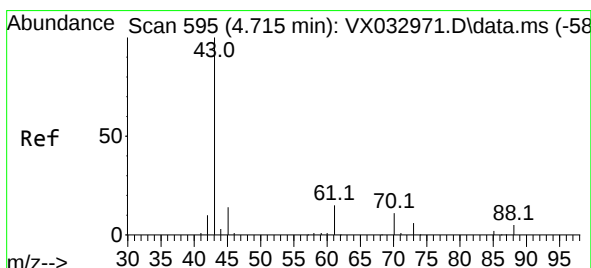
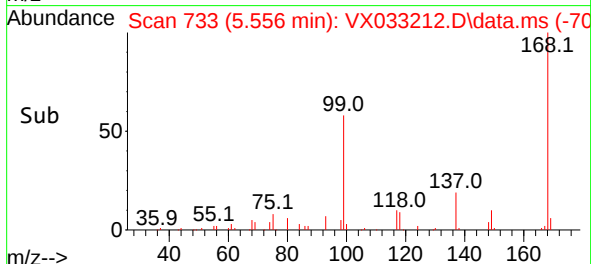
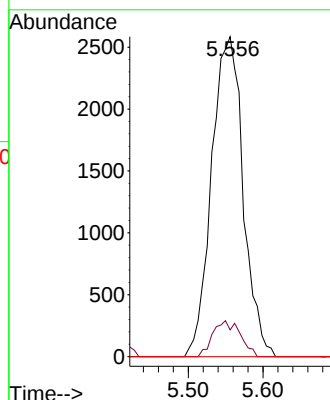
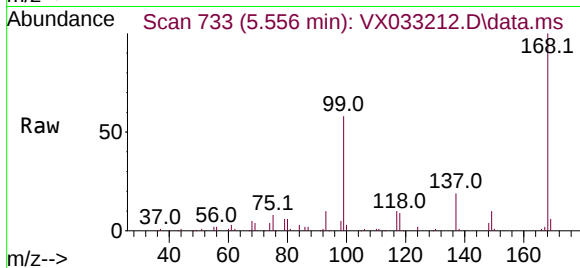
Tgt Ion: 75 Resp: 7574

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 12.752 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

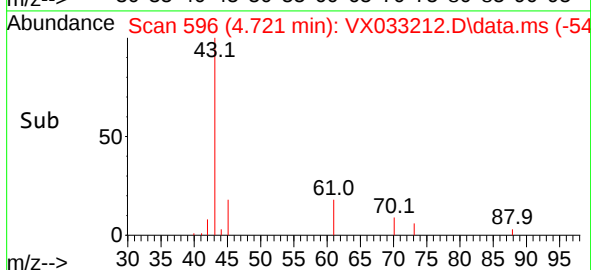
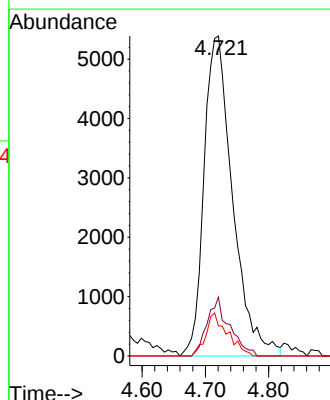
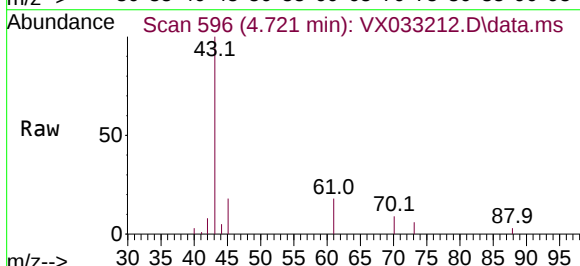
Tgt Ion: 43 Resp: 16925

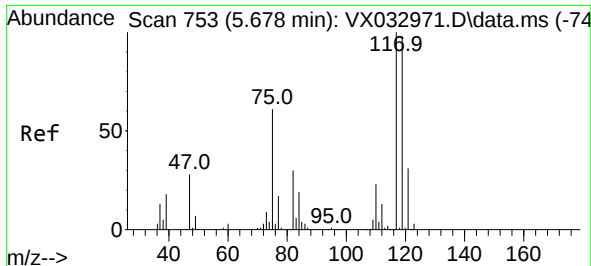
Ion Ratio Lower Upper

43 100

61 14.3 11.5 17.3

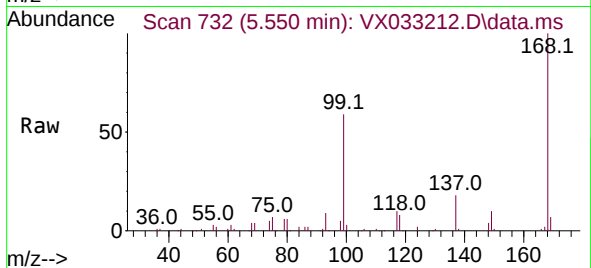
70 10.2 9.1 13.7



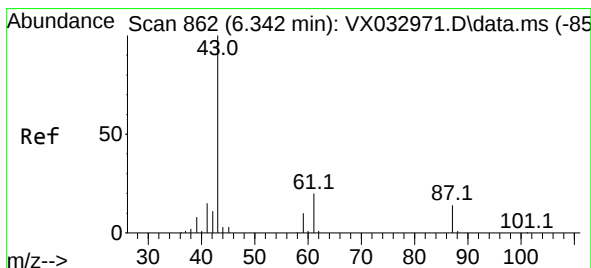
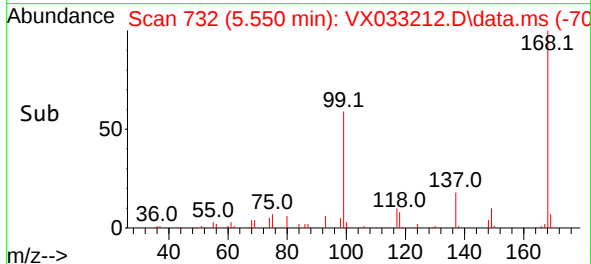
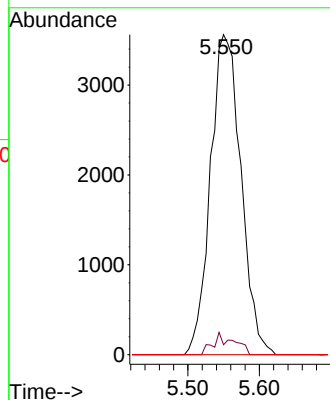


#38
Carbon Tetrachloride
Concen: 6.245 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#06

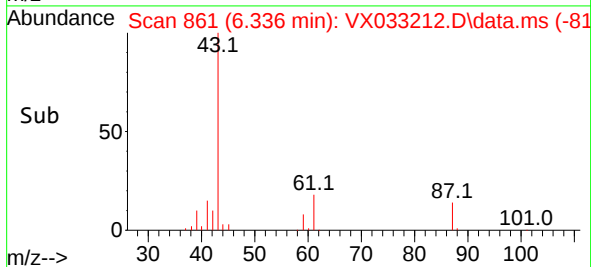
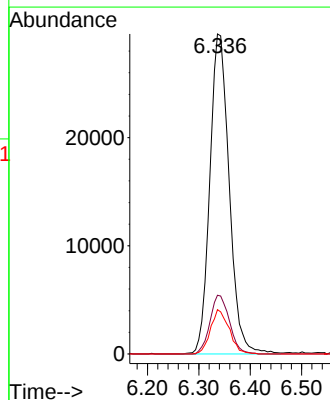
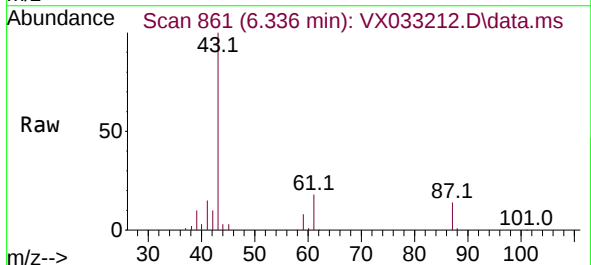


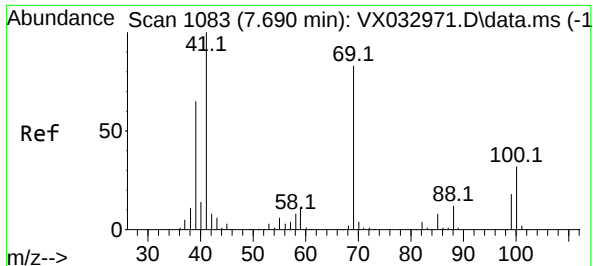
Tgt Ion:117 Resp: 10539
Ion Ratio Lower Upper
117 100
119 3.1 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 35.289 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

Tgt Ion: 43 Resp: 77460
Ion Ratio Lower Upper
43 100
61 18.4 15.4 23.0
87 13.3 10.8 16.2





#48

Methyl methacrylate

Concen: 67.114 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#06

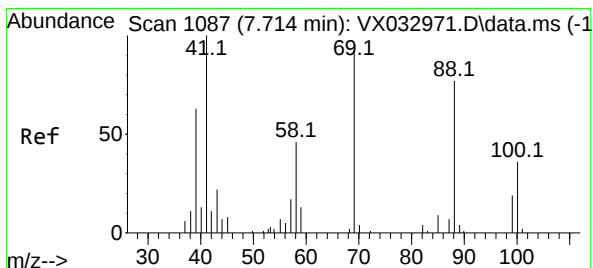
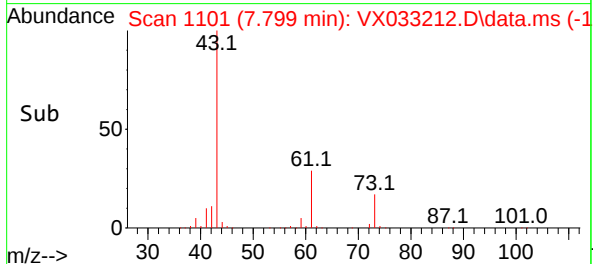
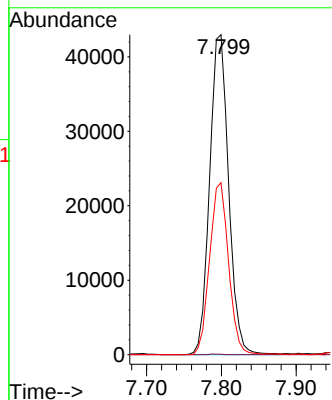
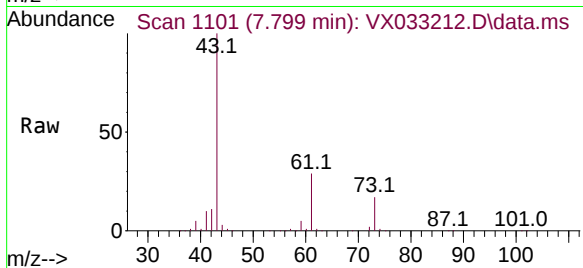
Tgt Ion: 41 Resp: 75829

Ion Ratio Lower Upper

41 100

69 0.1 65.1 97.7#

39 53.7 51.9 77.9



#49

1,4-Dioxane

Concen: 1.971 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

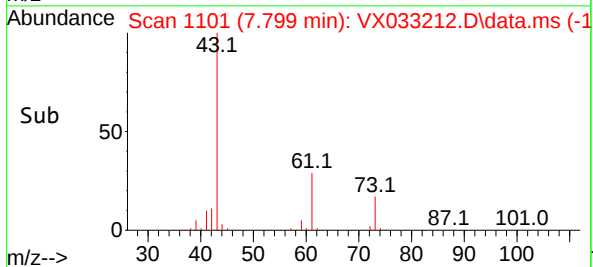
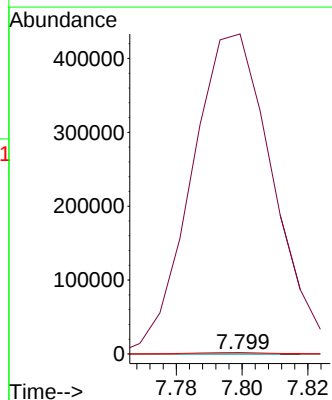
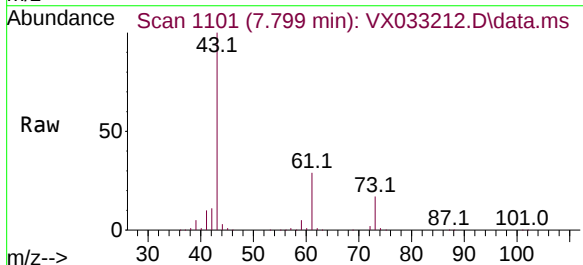
Tgt Ion: 88 Resp: 41

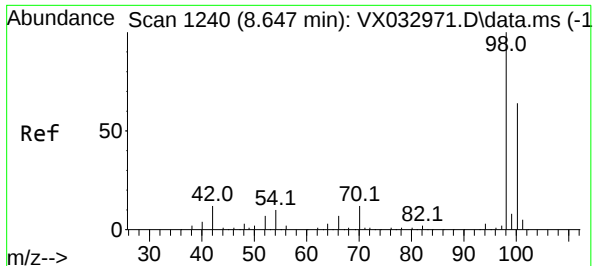
Ion Ratio Lower Upper

88 100

43 1841287.8 26.6 39.8#

58 7751.2 51.7 77.5#

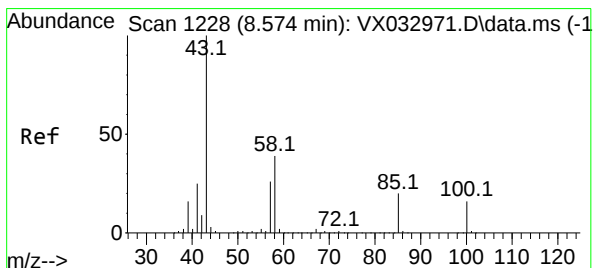
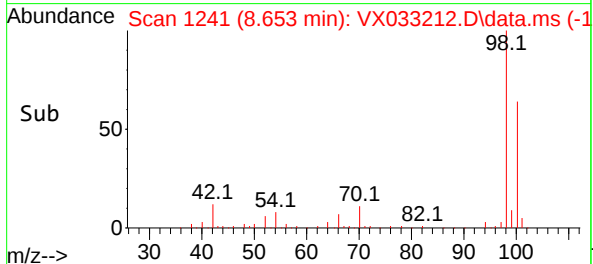
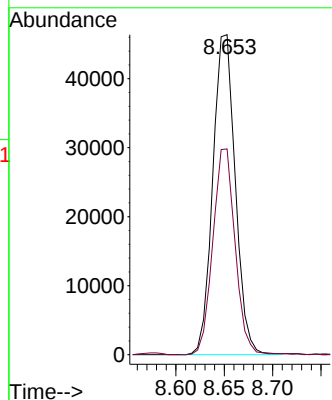
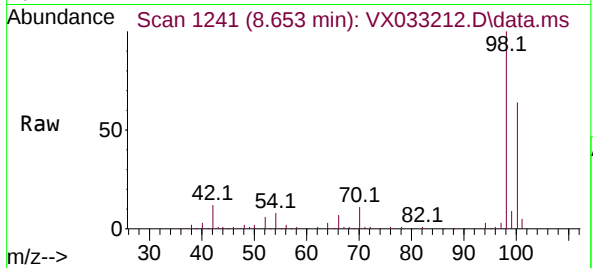




#50
Toluene-d8
Concen: 25.047 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

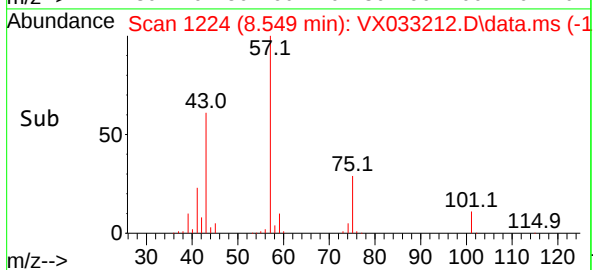
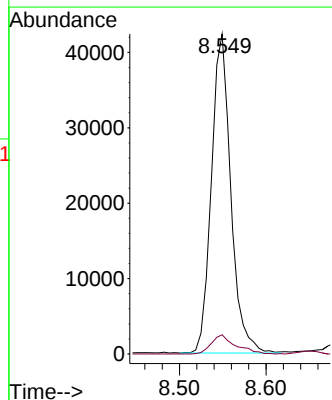
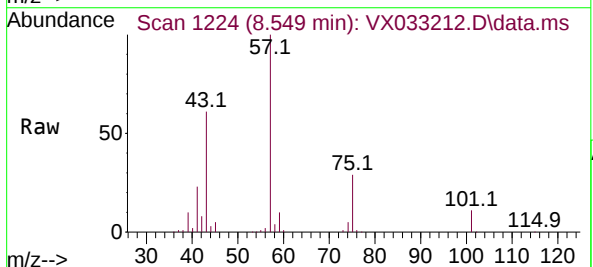
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#06

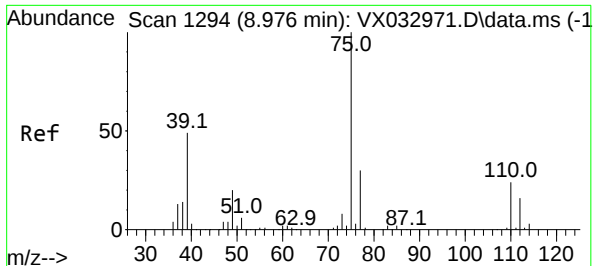
Tgt Ion: 98 Resp: 74783
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 48.687 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

Tgt Ion: 43 Resp: 65945
Ion Ratio Lower Upper
43 100
58 7.4 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 1.850 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

Instrument :

MSVOA_X

ClientSampleId :

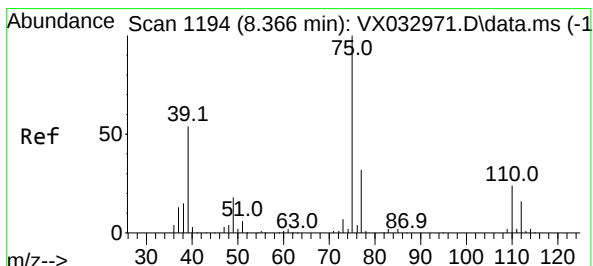
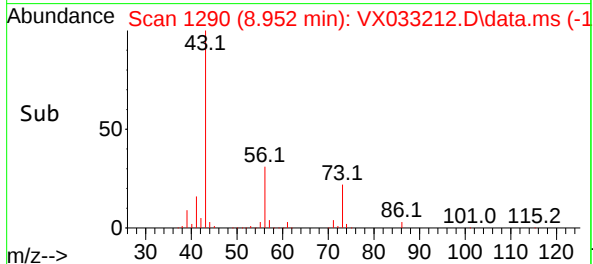
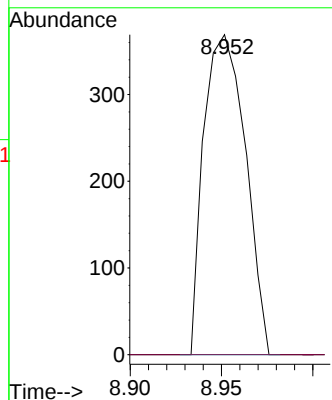
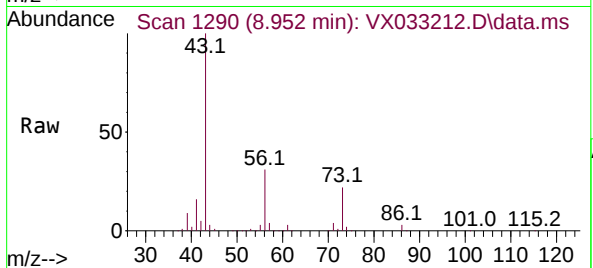
PB149377ZHE#06

Tgt Ion: 75 Resp: 587

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 17.027 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

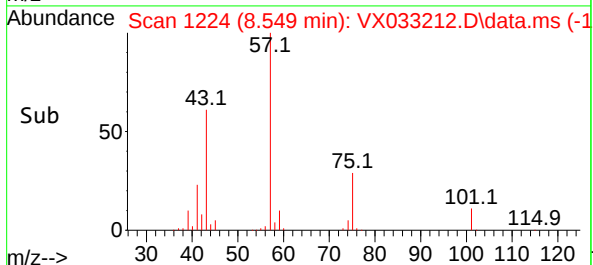
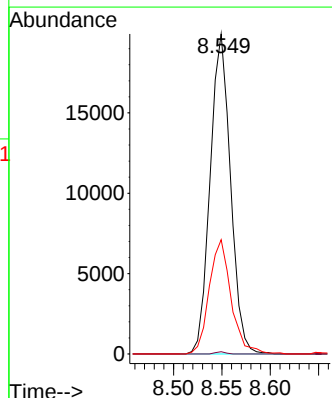
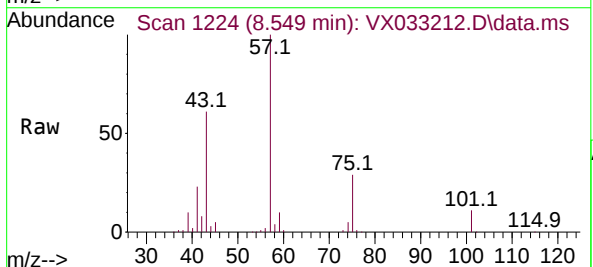
Tgt Ion: 75 Resp: 29174

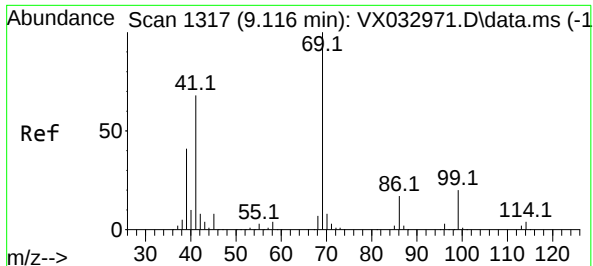
Ion Ratio Lower Upper

75 100

77 0.7 25.1 37.7#

39 35.7 45.5 68.3#





#56

Ethyl methacrylate

Concen: 0.410 ug/l

RT: 9.244 min Scan# 1

Delta R.T. 0.128 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#06

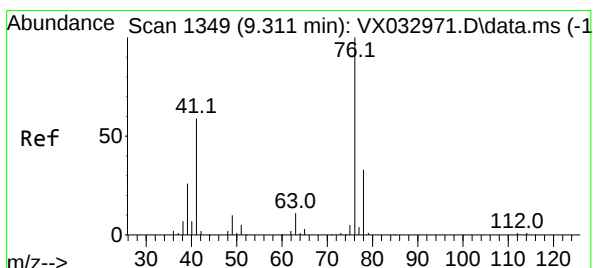
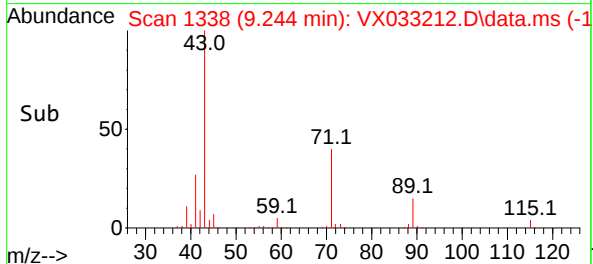
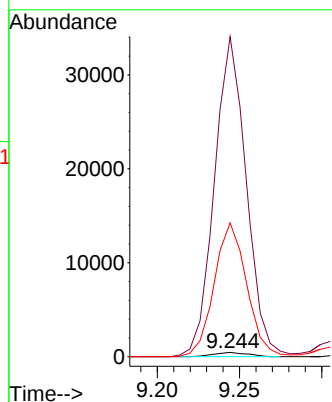
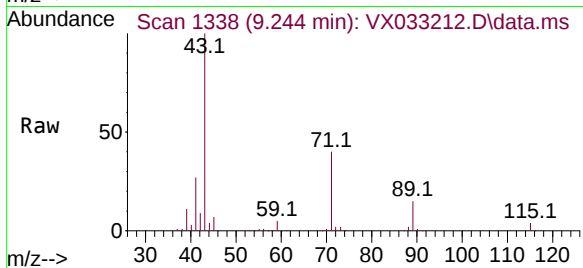
Tgt Ion: 69 Resp: 646

Ion Ratio Lower Upper

69 100

41 7116.3 54.3 81.5#

39 3032.5 35.2 52.8#



#57

1,3-Dichloropropane

Concen: 2.113 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033212.D

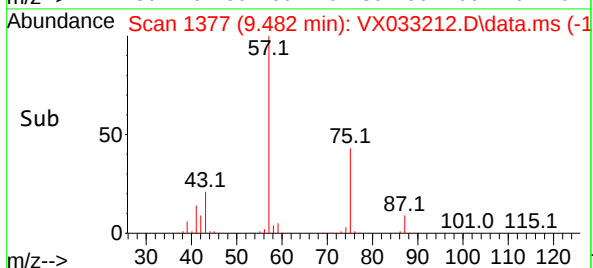
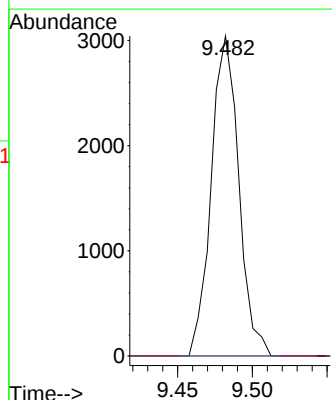
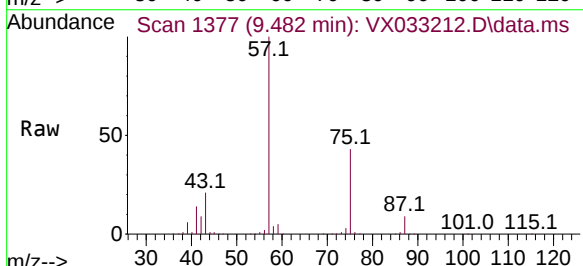
Acq: 03 Dec 2022 01:24

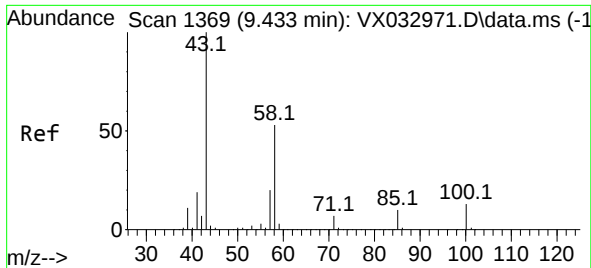
Tgt Ion: 76 Resp: 3898

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#

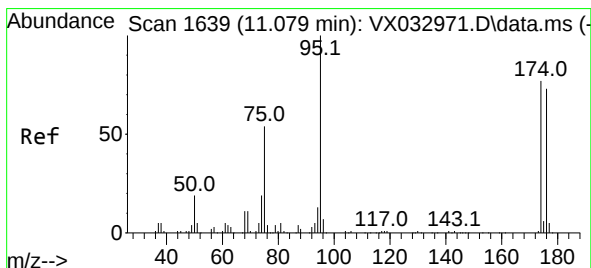
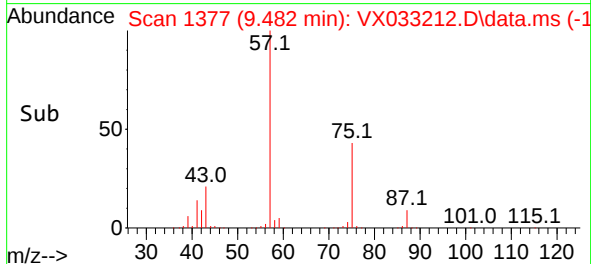
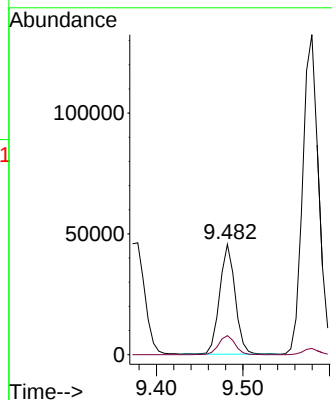
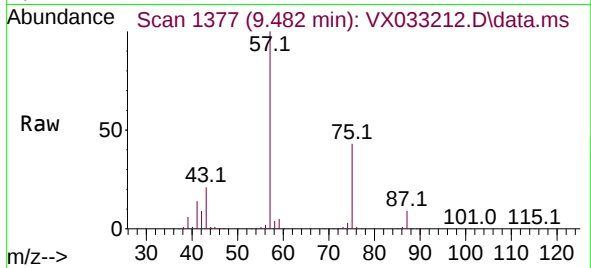




#59
2-Hexanone
Concen: 56.808 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

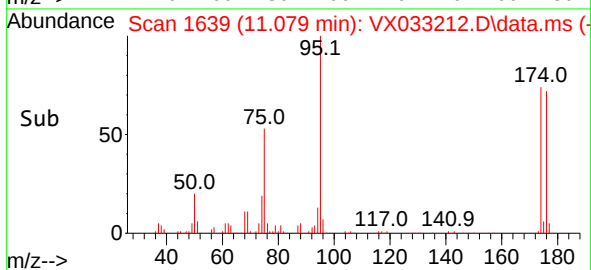
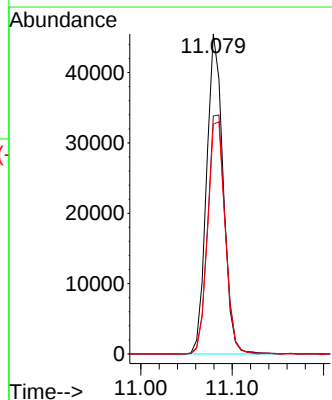
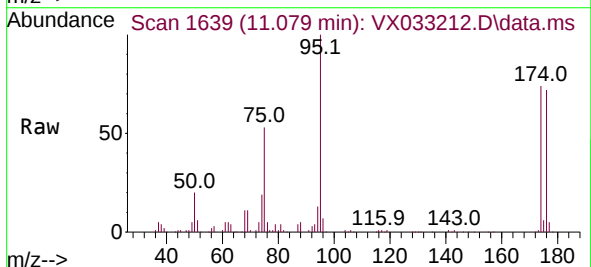
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#06

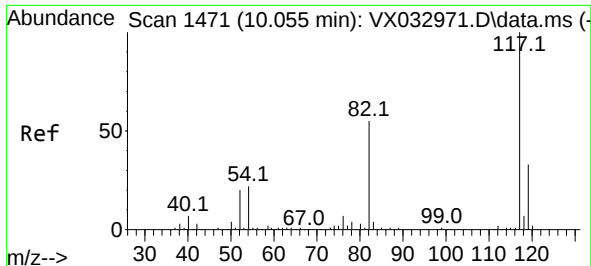
Tgt Ion: 43 Resp: 56840
Ion Ratio Lower Upper
43 100
58 18.4 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 45.676 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

Tgt Ion: 95 Resp: 57086
Ion Ratio Lower Upper
95 100
174 79.0 0.0 164.0
176 76.1 0.0 154.4

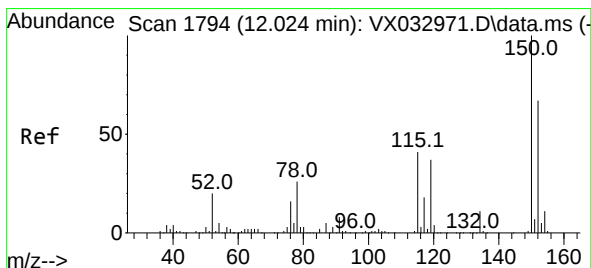
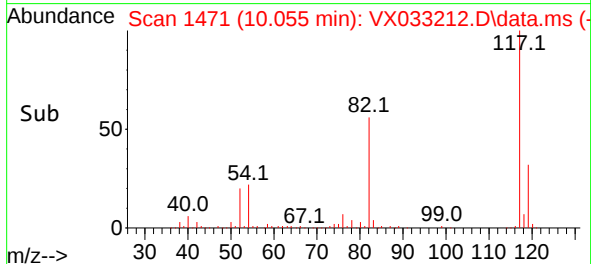
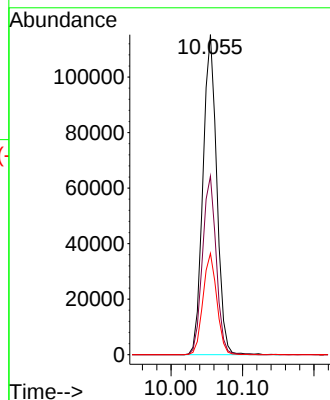
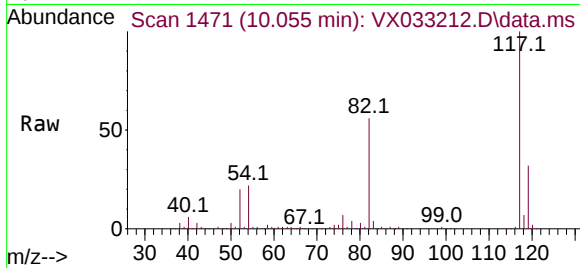




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

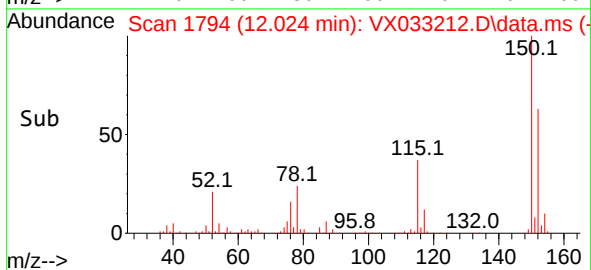
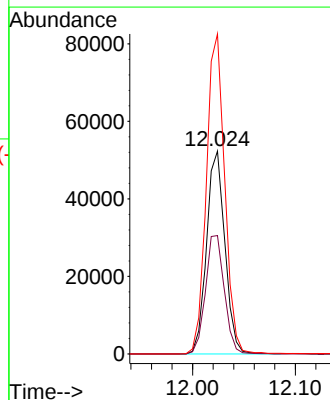
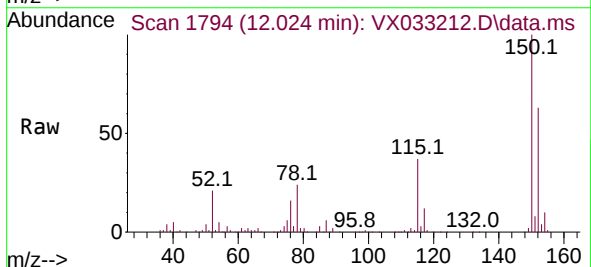
Instrument :
MSVOA_X
ClientSampleId :
PB149377ZHE#06

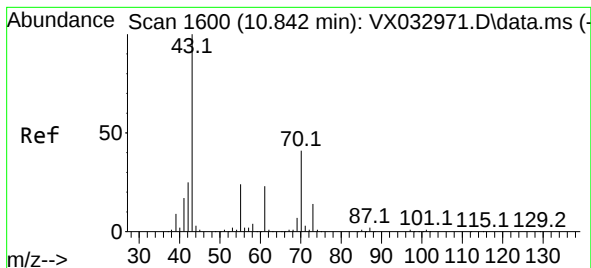
Tgt Ion:117 Resp: 154476
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033212.D
Acq: 03 Dec 2022 01:24

Tgt Ion:152 Resp: 64936
Ion Ratio Lower Upper
152 100
115 60.1 44.0 132.0
150 157.9 0.0 351.8





#74

N-amy1 acetate

Concen: 13.292 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

Instrument :

MSVOA_X

ClientSampleId :

PB149377ZHE#06

Tgt Ion: 43 Resp: 20982

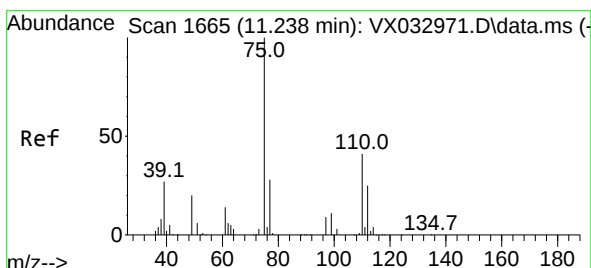
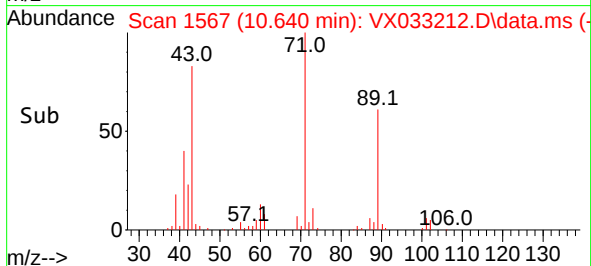
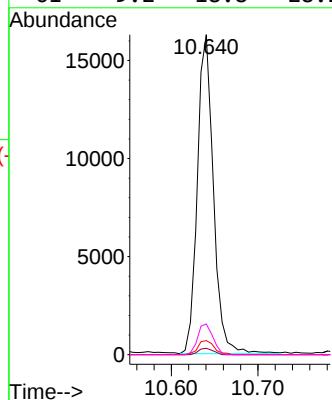
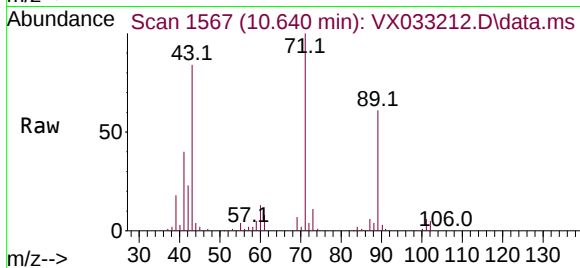
Ion Ratio Lower Upper

43 100

70 1.8 33.6 50.4#

55 4.5 19.4 29.2#

61 9.2 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.510 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX033212.D

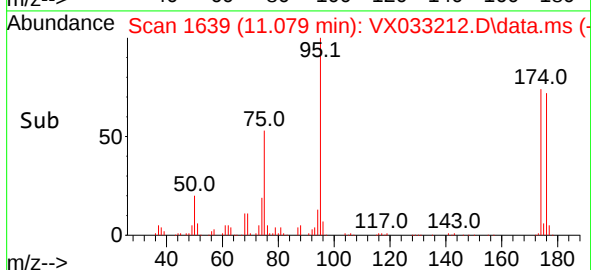
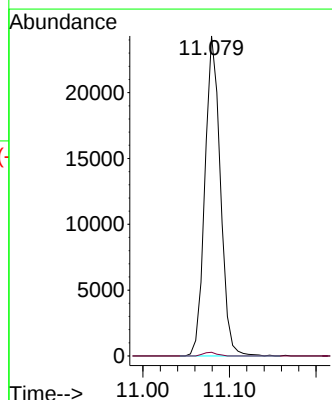
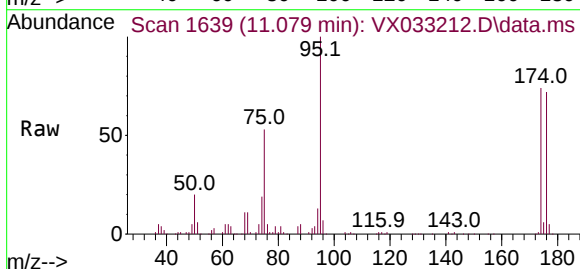
Acq: 03 Dec 2022 01:24

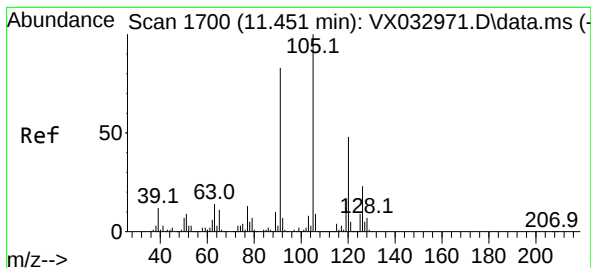
Tgt Ion: 75 Resp: 30142

Ion Ratio Lower Upper

75 100

77 1.0 20.0 60.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.209 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

Instrument :

MSVOA_X

ClientSampleId :

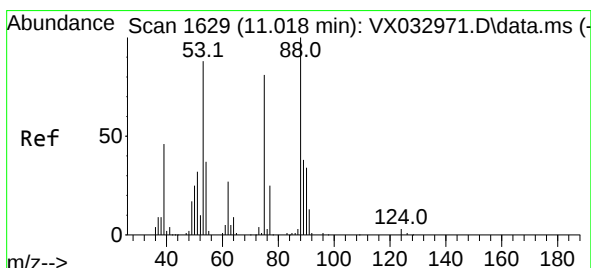
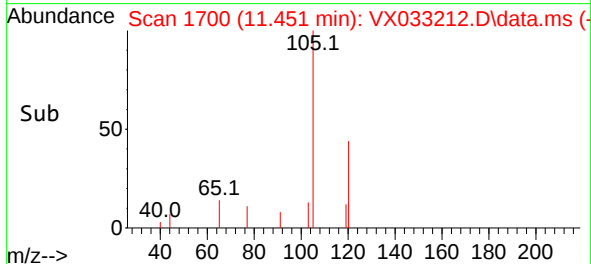
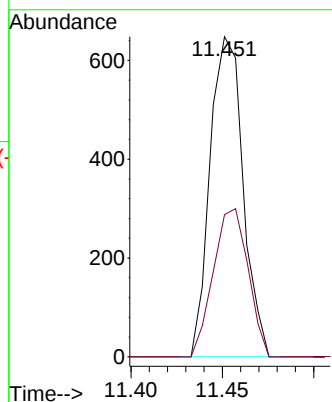
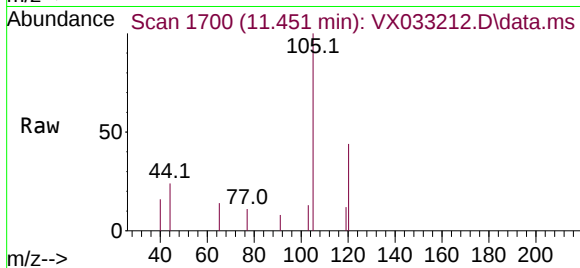
PB149377ZHE#06

Tgt Ion:105 Resp: 814

Ion Ratio Lower Upper

105 100

120 48.9 23.6 71.0



#81

trans-1,4-Dichloro-2-butene

Concen: 79.669 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033212.D

Acq: 03 Dec 2022 01:24

Tgt Ion: 75 Resp: 30142

Ion Ratio Lower Upper

75 100

53 0.0 86.9 130.3#

89 0.0 38.3 57.5#

