

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032829.D
 Acq On : 15 Nov 2022 17:44
 Operator : JC/MD
 Sample : N5614-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 03:35:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)

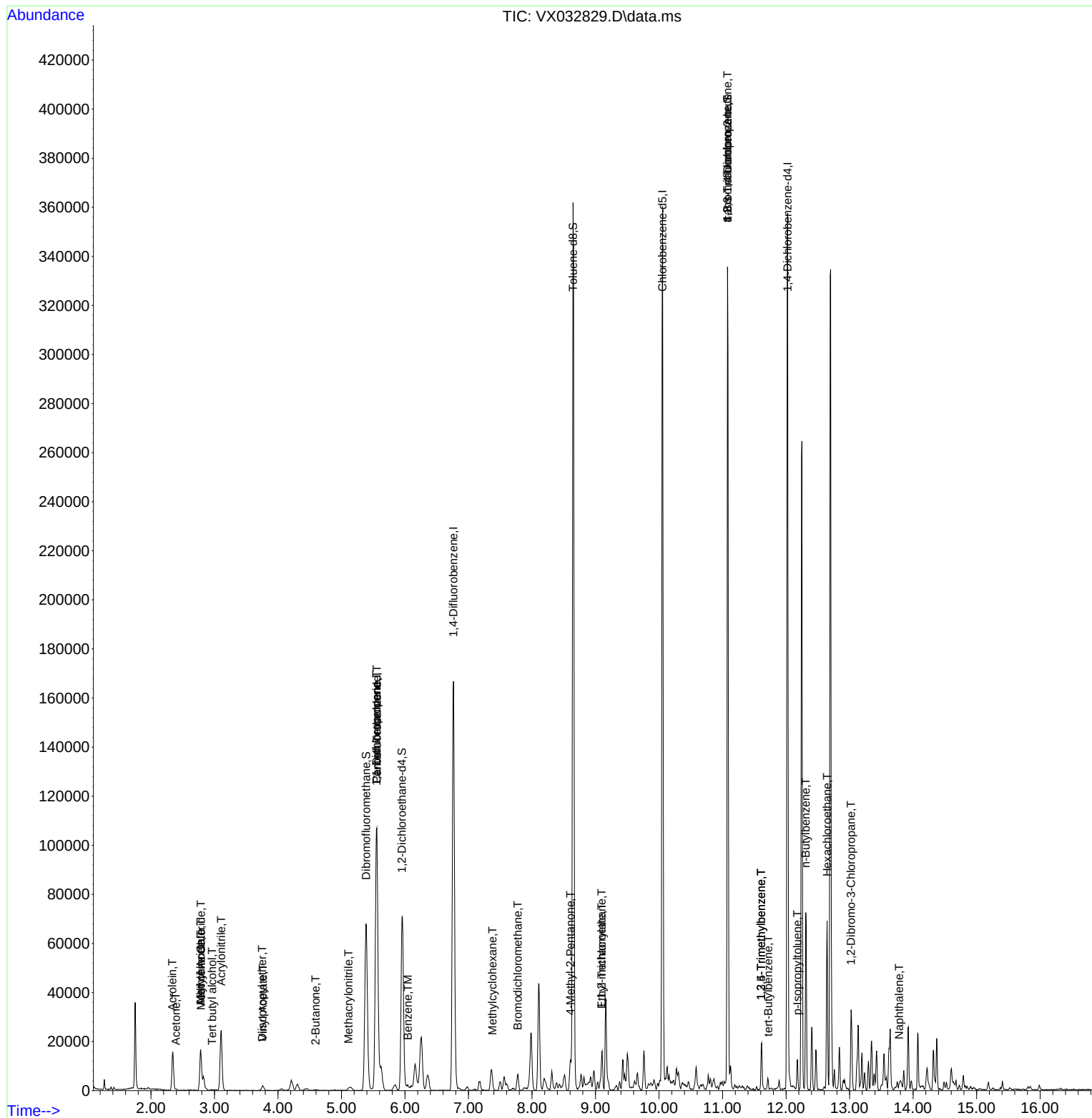
Internal Standards							
1) Pentafluorobenzene	5.556	168		103040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114		172119	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117		156239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152		75557	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.952	65		72365	50.544	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.080%	
35) Dibromofluoromethane	5.385	113		58067	47.296	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.600%	
50) Toluene-d8	8.647	98		214727	50.298	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.600%	
62) 4-Bromofluorobenzene	11.079	95		85780	51.439	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.880%	
Target Compounds							
						Qvalue	
11) Tert butyl alcohol	2.965	59		158	0.758	ug/l #	72
13) Acrolein	2.337	56		1952	9.383	ug/l	94
14) Allyl chloride	2.782	41		5105	3.099	ug/l #	61
15) Acrylonitrile	3.105	53		563	0.996	ug/l #	28
16) Acetone	2.392	43		677	1.301	ug/l #	87
18) Methyl Acetate	2.782	43		10799	6.382	ug/l #	51
20) Methylene Chloride	2.788	84		297	0.249	ug/l #	52
22) Diisopropyl ether	3.751	45		1884	0.529	ug/l #	77
23) Vinyl Acetate	3.764	43		1115	0.387	ug/l #	72
25) 2-Butanone	4.593	43		276	0.342	ug/l #	47
36) 1,1-Dichloropropene	5.550	75		7784	4.553	ug/l #	50
38) Carbon Tetrachloride	5.556	117		10760	5.674	ug/l #	17
39) Methylcyclohexane	7.379	83		1355	0.670	ug/l #	51
40) Benzene	6.044	78		2376	0.491	ug/l #	89
41) Methacrylonitrile	5.111	41		192	0.212	ug/l #	27
47) Bromodichloromethane	7.775	83		585	0.324	ug/l #	25
51) 4-Methyl-2-Pentanone	8.604	43		373	0.217	ug/l #	36
55) 1,1,2-Trichloroethane	9.098	97		5434	4.088	ug/l #	19
56) Ethyl methacrylate	9.098	69		1367	0.715	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75		45638	27.150	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.610	105		7527	1.471	ug/l	75
81) trans-1,4-Dichloro-2-b...	11.079	75		45638	86.392	ug/l #	6
83) tert-Butylbenzene	11.719	119		1757	0.344	ug/l	87
84) 1,2,4-Trimethylbenzene	11.610	105		7527	1.479	ug/l	80
86) p-Isopropyltoluene	12.177	119		5542	1.062	ug/l	96
89) n-Butylbenzene	12.311	91		6660	1.468	ug/l #	1
90) Hexachloroethane	12.646	117		22741	26.692	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	13.024	75		229	0.543	ug/l #	1
95) Naphthalene	13.780	128		2017	0.340	ug/l #	86

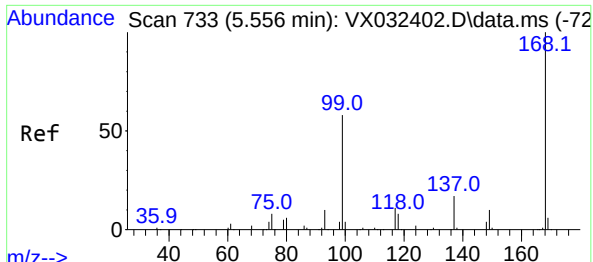
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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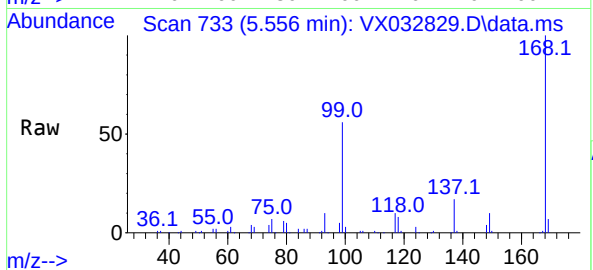
Quant Time: Nov 16 03:35:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 08:28:06 2022
Response via : Initial Calibration



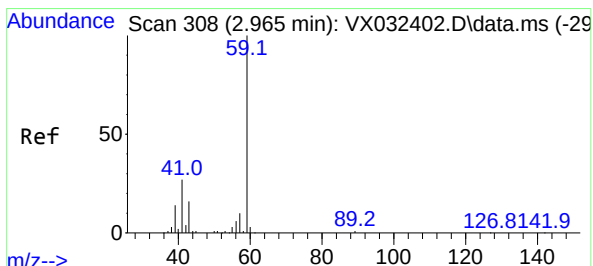
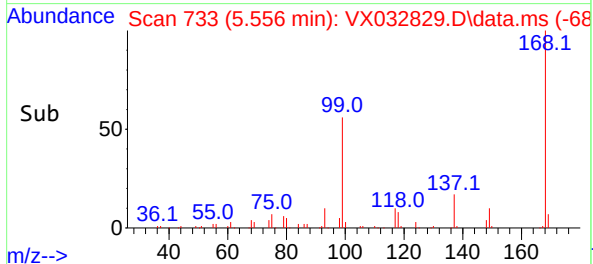
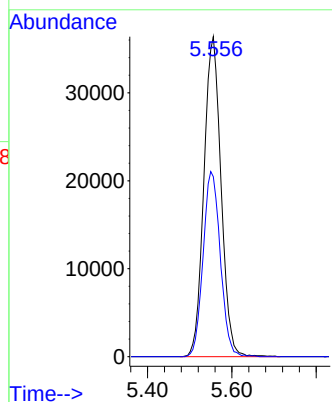


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Instrument :
MSVOA_X
ClientSampleId :

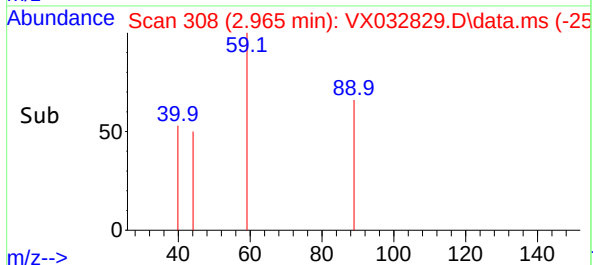
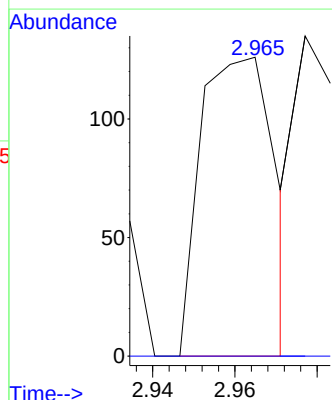
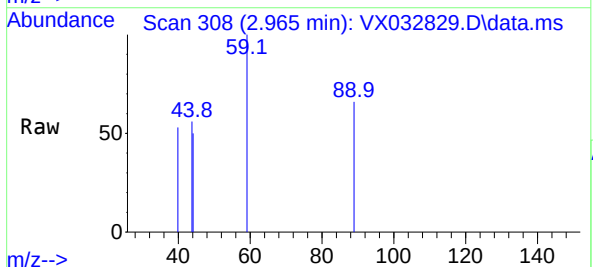


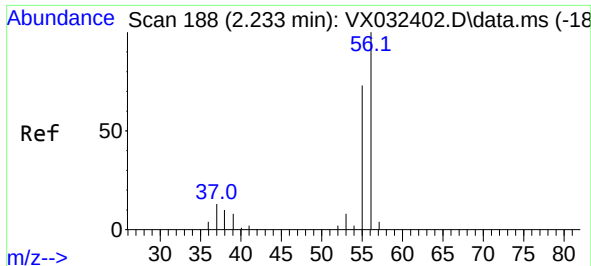
Tgt Ion:168 Resp: 103040
Ion Ratio Lower Upper
168 100
99 56.3 46.1 69.1



#11
Tert butyl alcohol
Concen: 0.758 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.000 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion: 59 Resp: 158
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

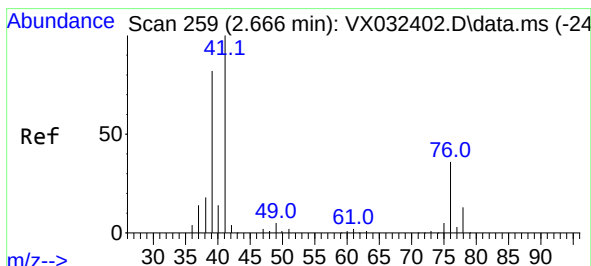
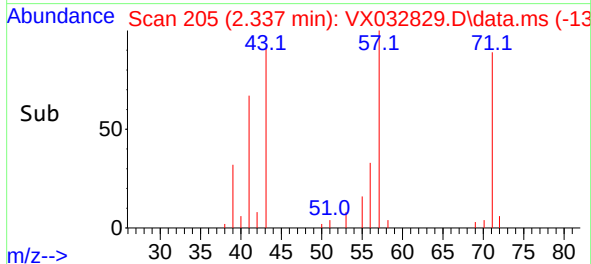
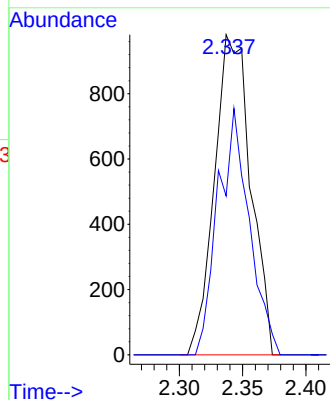
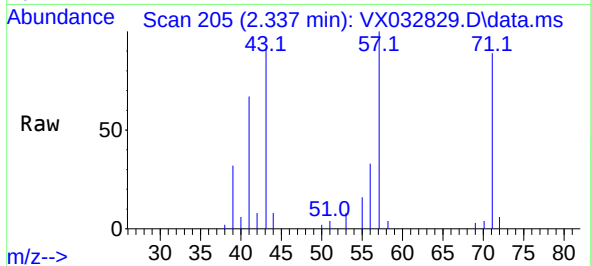




#13
Acrolein
Concen: 9.383 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.104 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

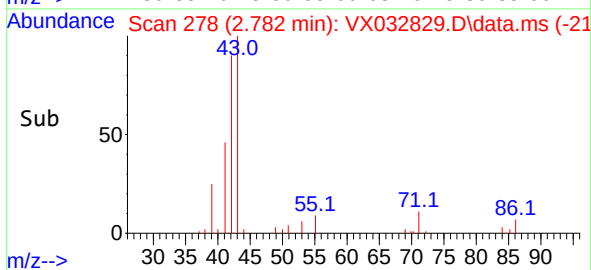
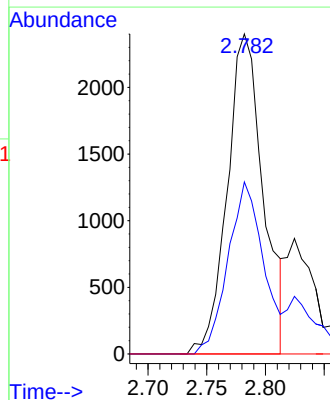
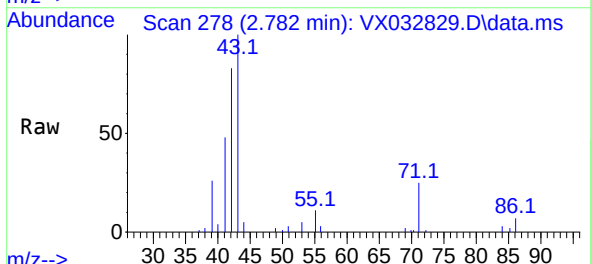
Instrument :
MSVOA_X
ClientSampleId :

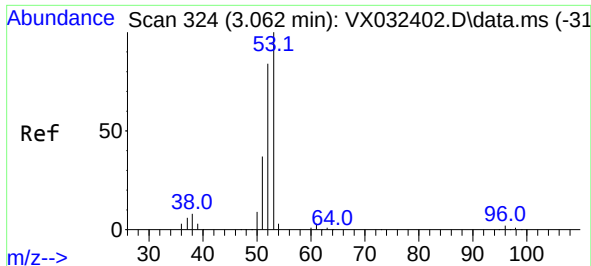
Tgt Ion: 56 Resp: 1952
Ion Ratio Lower Upper
56 100
55 66.5 56.9 85.3



#14
Allyl chloride
Concen: 3.099 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.116 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion: 41 Resp: 5105
Ion Ratio Lower Upper
41 100
39 53.0 61.4 92.2#
76 0.0 29.2 43.8#

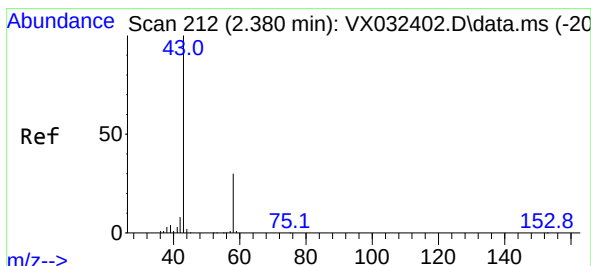
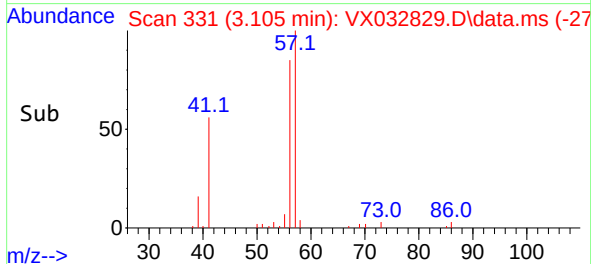
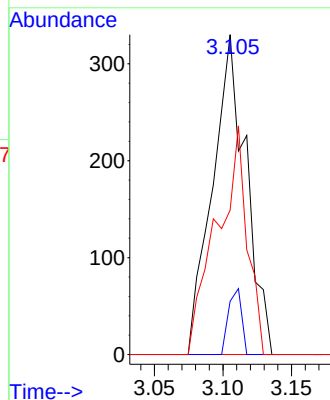
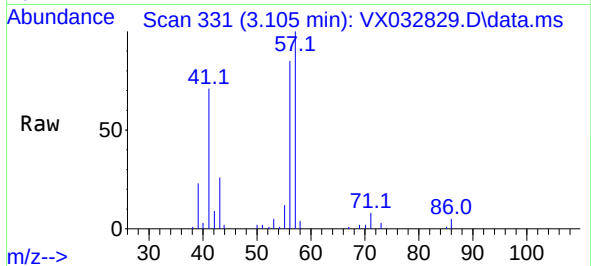




#15
Acrylonitrile
Concen: 0.996 ug/l
RT: 3.105 min Scan# 31
Delta R.T. 0.043 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

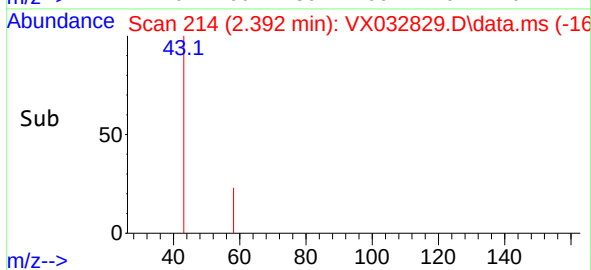
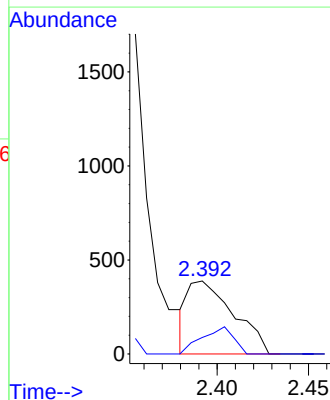
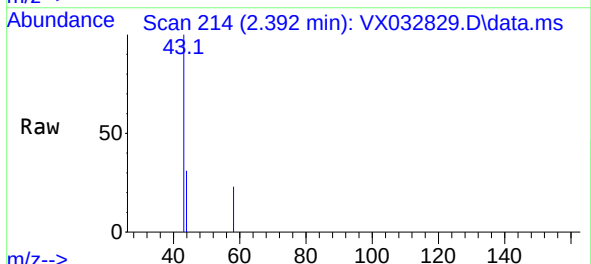
Instrument :
MSVOA_X
ClientSampleId :

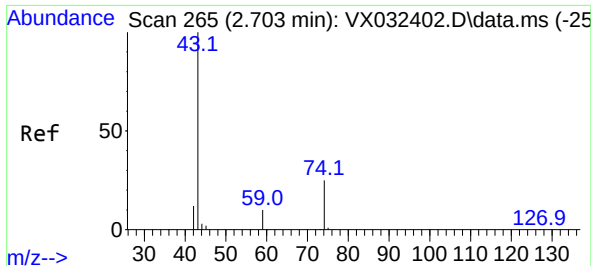
Tgt Ion: 53 Resp: 563
Ion Ratio Lower Upper
53 100
52 8.0 67.4 101.0#
51 64.5 30.3 45.5#



#16
Acetone
Concen: 1.301 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion: 43 Resp: 677
Ion Ratio Lower Upper
43 100
58 22.7 23.8 35.8#





#18

Methyl Acetate

Concen: 6.382 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.079 min

Lab File: VX032829.D

Acq: 15 Nov 2022 17:44

Instrument :

MSVOA_X

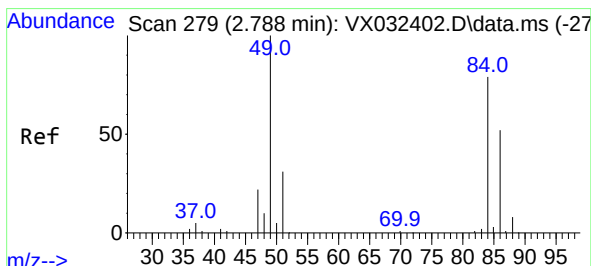
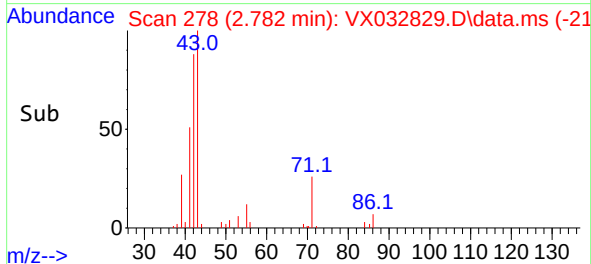
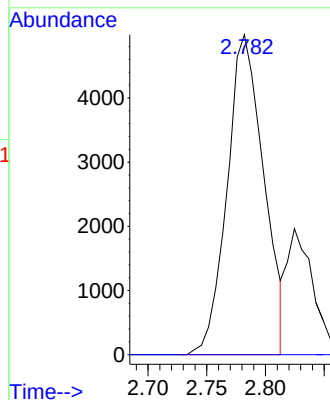
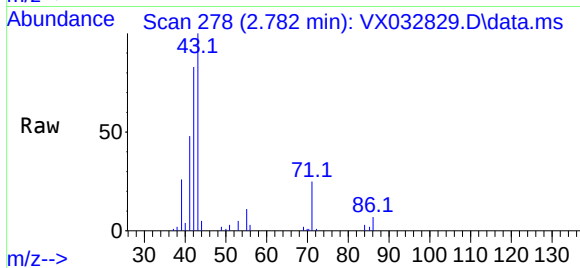
ClientSampleId :

Tgt Ion: 43 Resp: 10799

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.0#



#20

Methylene Chloride

Concen: 0.249 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX032829.D

Acq: 15 Nov 2022 17:44

Tgt Ion: 84 Resp: 297

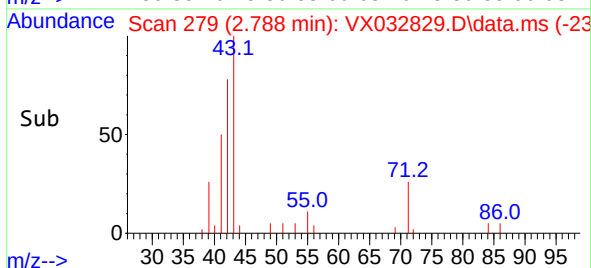
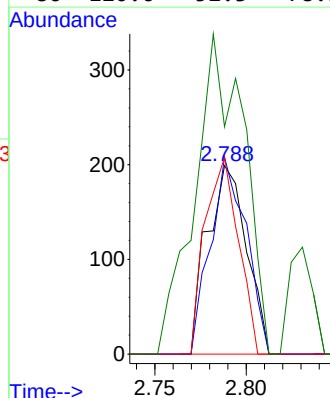
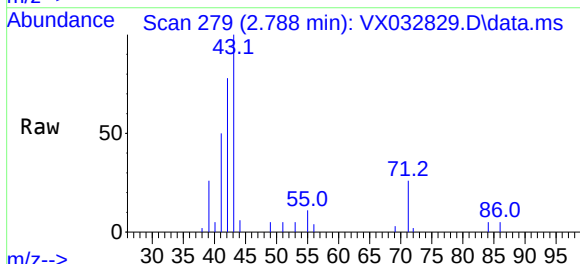
Ion Ratio Lower Upper

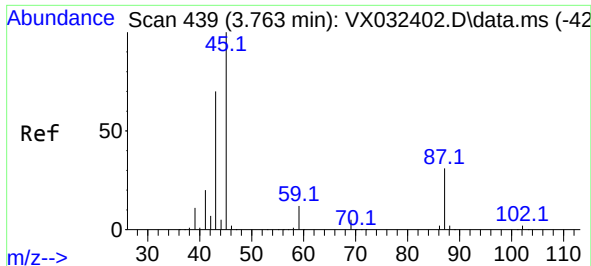
84 100

49 104.5 101.0 151.6

51 104.5 31.1 46.7#

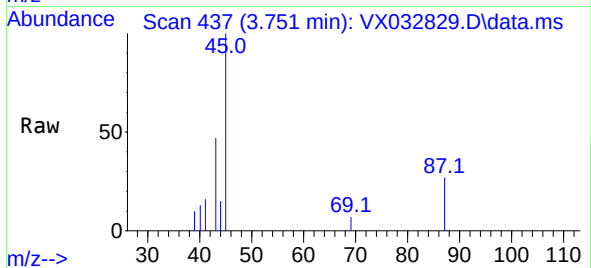
86 120.6 52.3 78.5#



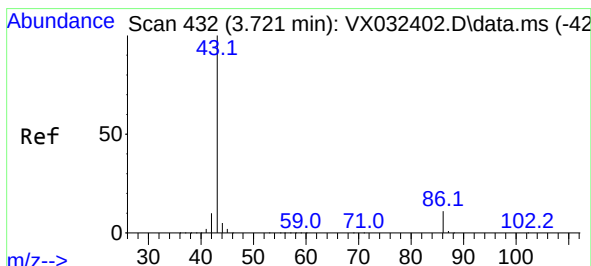
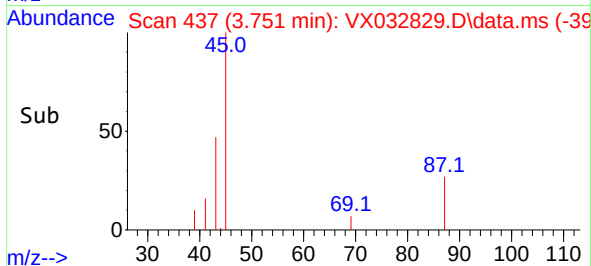
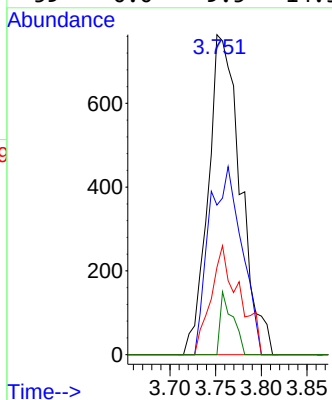


#22
Diisopropyl ether
Concen: 0.529 ug/l
RT: 3.751 min Scan# 41
Delta R.T. -0.012 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Instrument :
MSVOA_X
ClientSampleId :

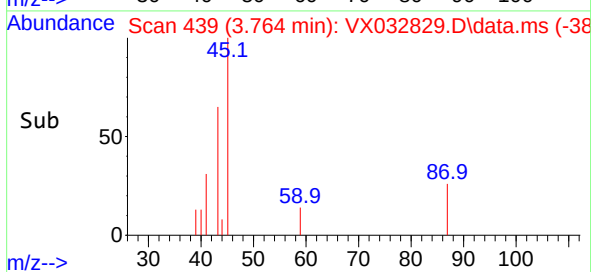
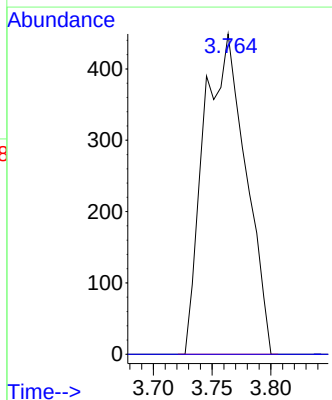
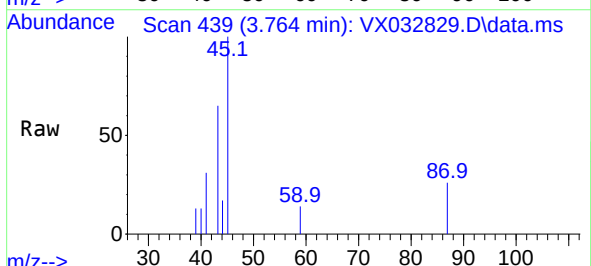


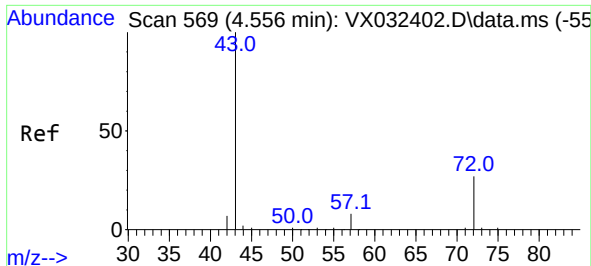
Tgt Ion:	45	Resp:	1884
Ion	Ratio	Lower	Upper
45	100		
43	46.7	56.4	84.6#
87	27.2	24.4	36.6
59	0.0	9.5	14.3#



#23
Vinyl Acetate
Concen: 0.387 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.043 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion:	43	Resp:	1115
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#25

2-Butanone

Concen: 0.342 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.037 min

Lab File: VX032829.D

Acq: 15 Nov 2022 17:44

Instrument :

MSVOA_X

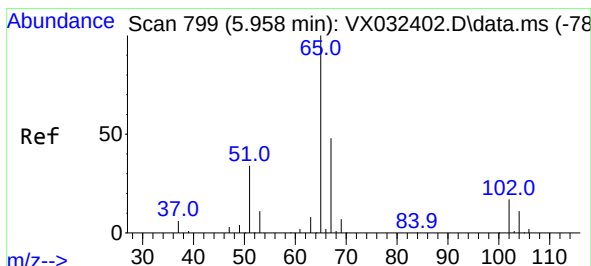
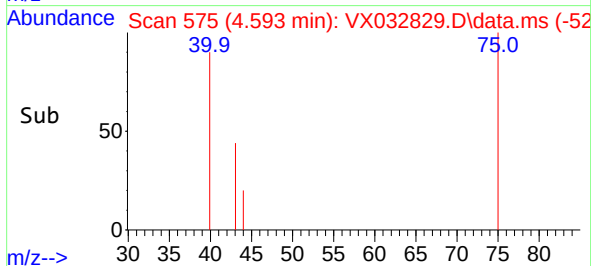
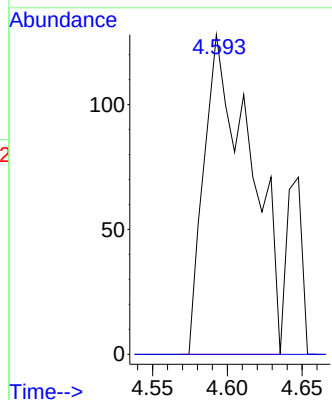
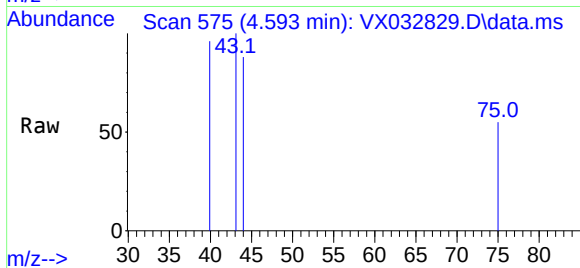
ClientSampleId :

Tgt Ion: 43 Resp: 276

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#



#33

1,2-Dichloroethane-d4

Concen: 50.544 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX032829.D

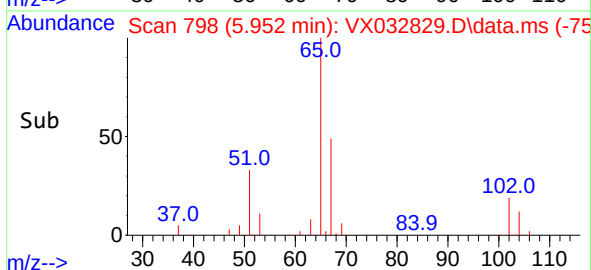
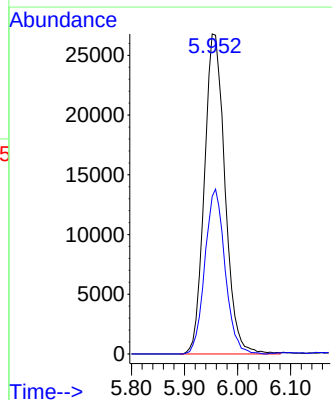
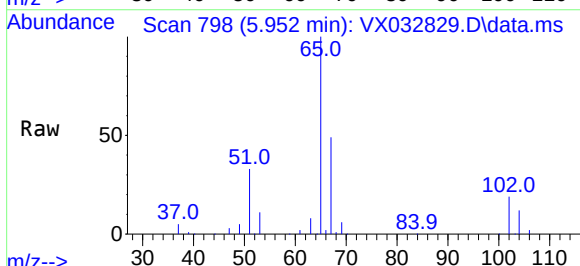
Acq: 15 Nov 2022 17:44

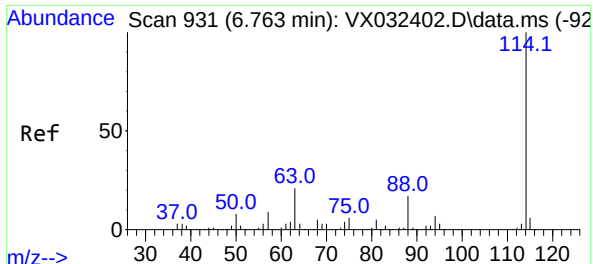
Tgt Ion: 65 Resp: 72365

Ion Ratio Lower Upper

65 100

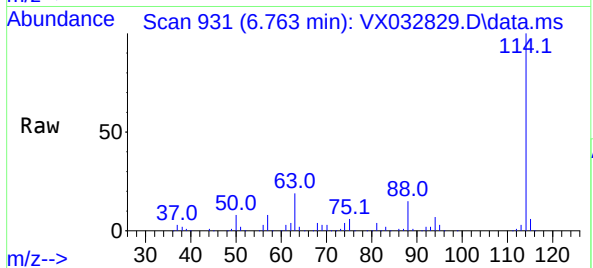
67 50.4 0.0 101.8



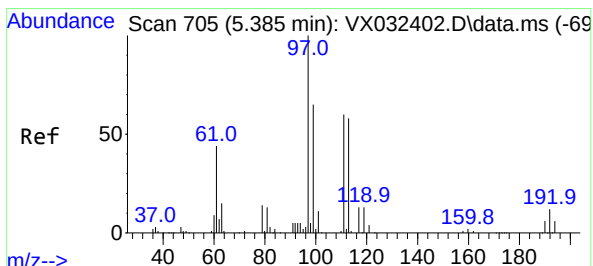
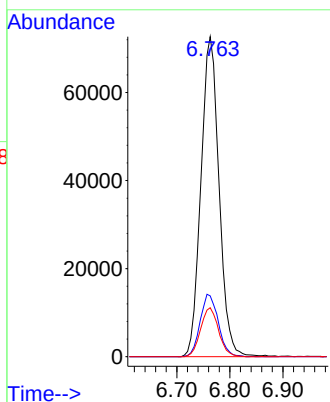
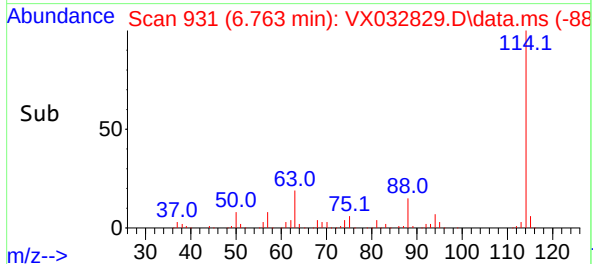


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Instrument :
MSVOA_X
ClientSampleId :

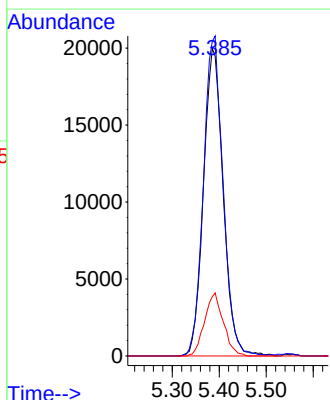
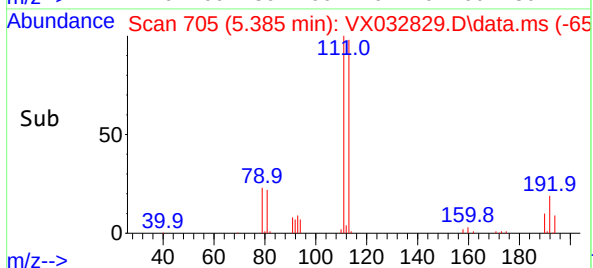
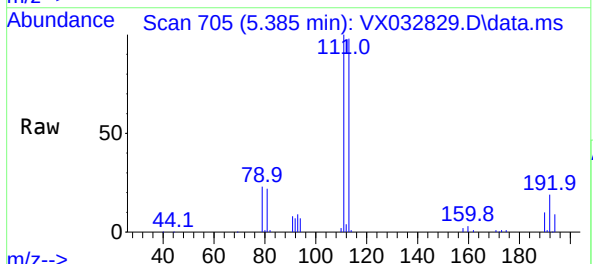


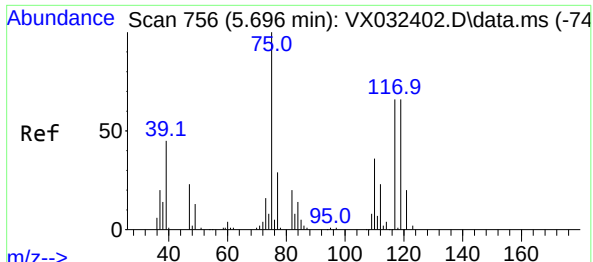
Tgt Ion:114 Resp: 172119
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.6
88 15.3 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.296 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

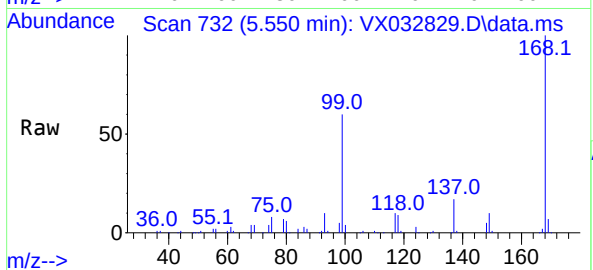
Tgt Ion:113 Resp: 58067
Ion Ratio Lower Upper
113 100
111 103.7 82.4 123.6
192 19.5 15.4 23.2



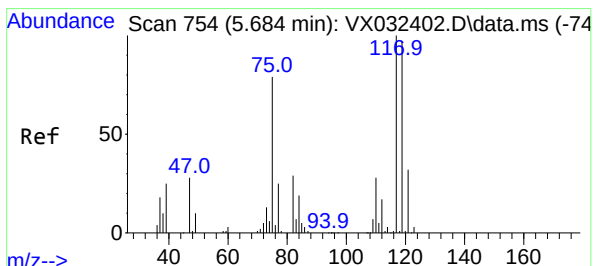
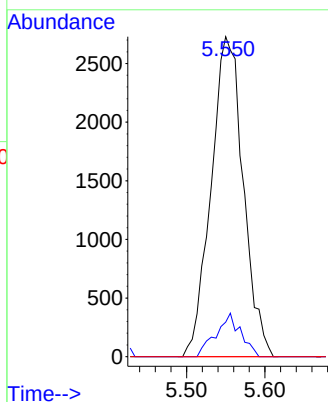
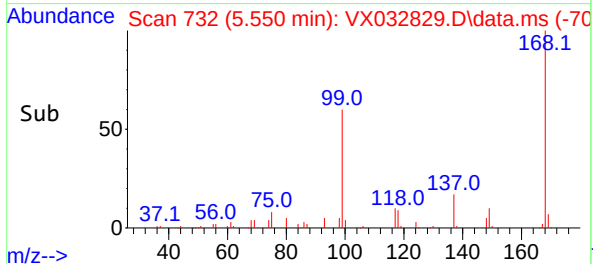


#36
1,1-Dichloropropene
Concen: 4.553 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

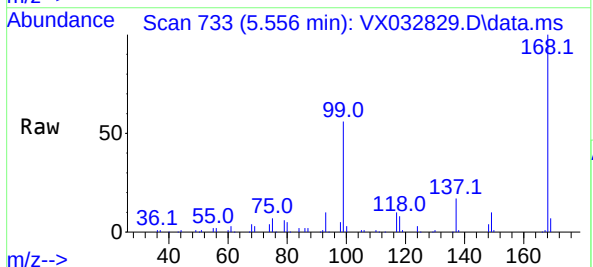
Instrument :
MSVOA_X
ClientSampleId :



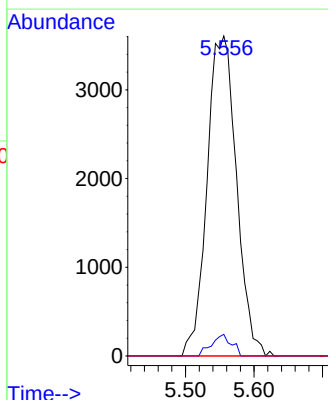
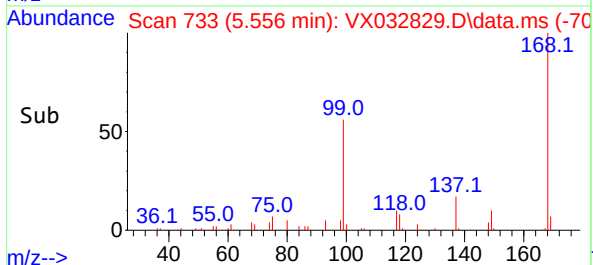
Tgt Ion: 75 Resp: 7784
Ion Ratio Lower Upper
75 100
110 10.4 18.4 55.2#
77 0.0 24.5 36.7#

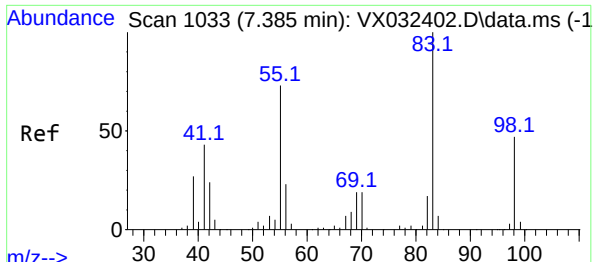


#38
Carbon Tetrachloride
Concen: 5.674 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44



Tgt Ion: 117 Resp: 10760
Ion Ratio Lower Upper
117 100
119 6.7 77.2 115.8#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.670 ug/l

RT: 7.379 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX032829.D

Acq: 15 Nov 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

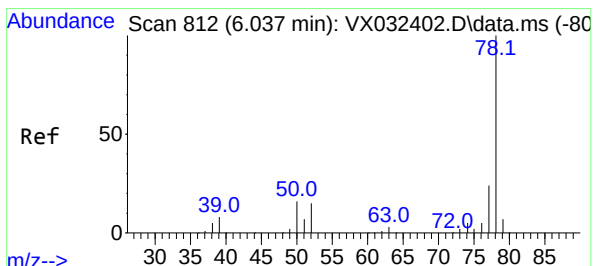
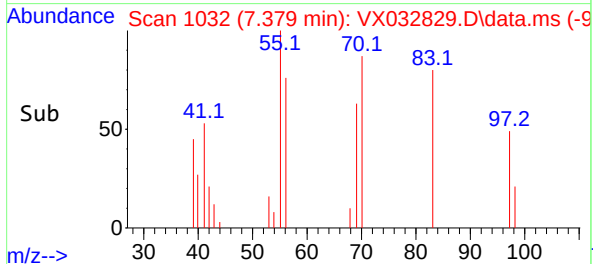
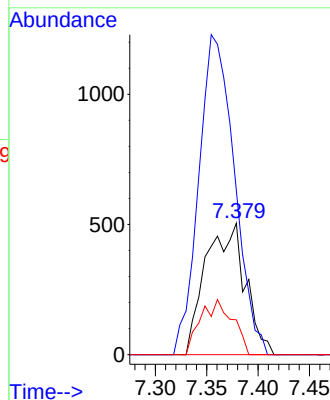
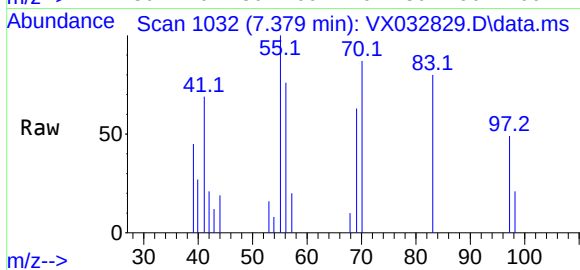
Tgt Ion: 83 Resp: 1355

Ion Ratio Lower Upper

83 100

55 124.8 58.4 87.6#

98 26.5 37.2 55.8#



#40

Benzene

Concen: 0.491 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX032829.D

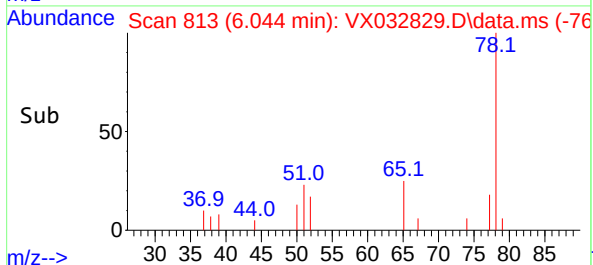
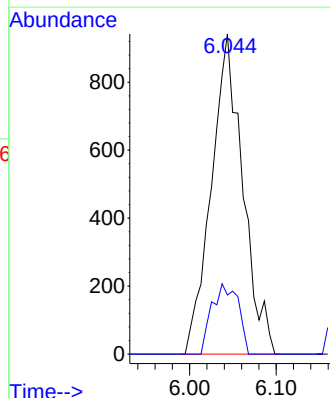
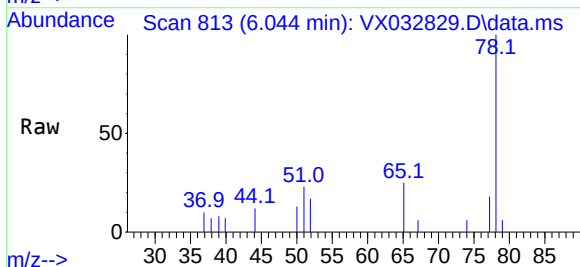
Acq: 15 Nov 2022 17:44

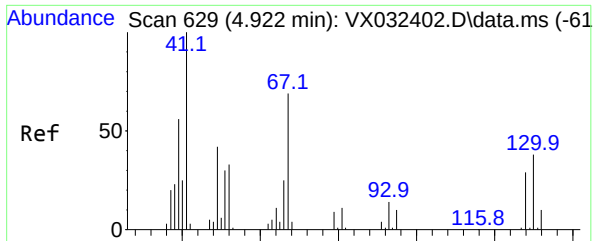
Tgt Ion: 78 Resp: 2376

Ion Ratio Lower Upper

78 100

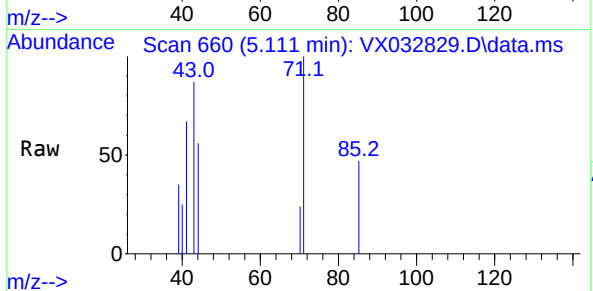
77 18.5 19.0 28.4#





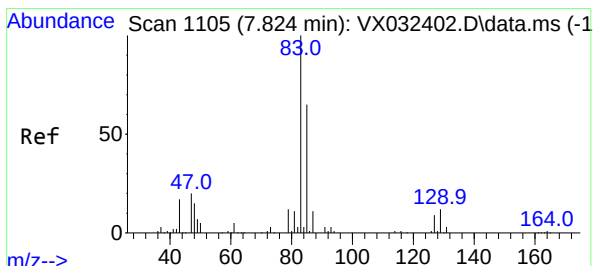
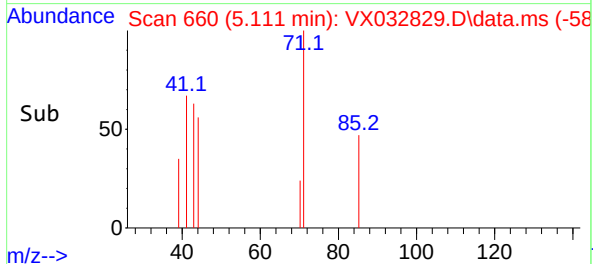
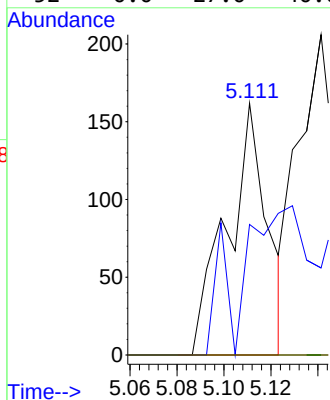
#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 5.111 min Scan# 60
Delta R.T. 0.189 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 41 Resp: 192

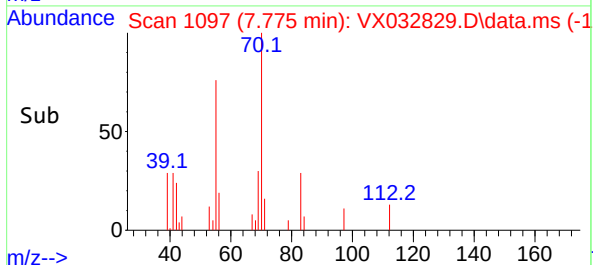
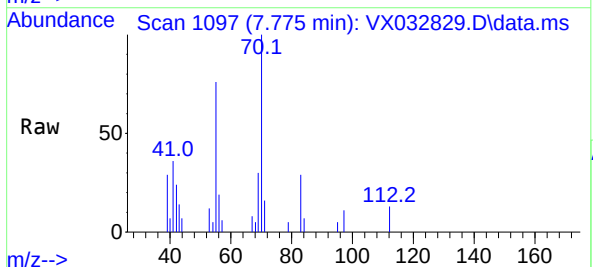
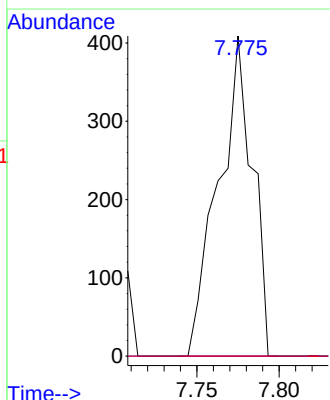
Ion	Ratio	Lower	Upper
41	100		
39	104.7	47.5	71.3#
67	0.0	60.5	90.7#
52	0.0	27.0	40.6#

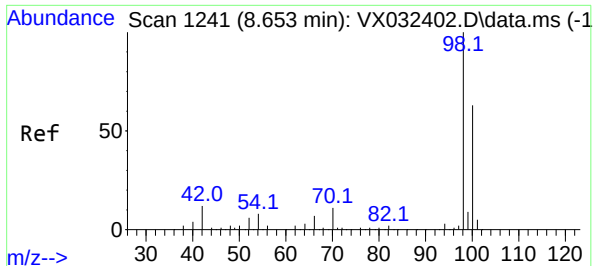


#47
Bromodichloromethane
Concen: 0.324 ug/l
RT: 7.775 min Scan# 1097
Delta R.T. -0.049 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion: 83 Resp: 585

Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.2	78.4#
127	0.0	7.4	11.2#

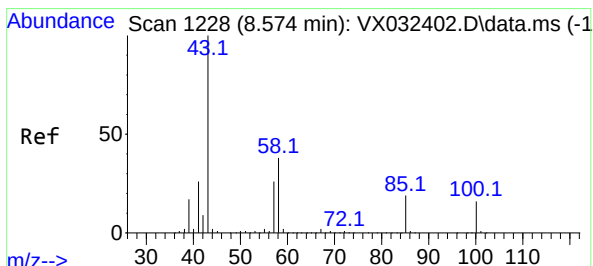
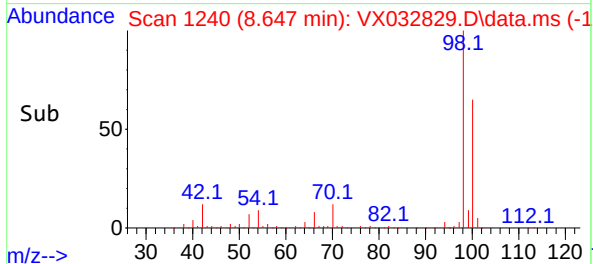
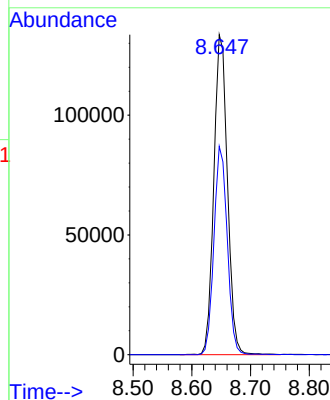
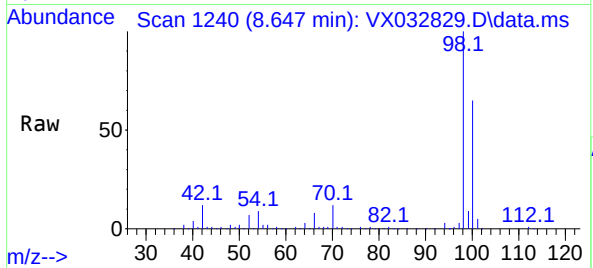




#50
Toluene-d8
Concen: 50.298 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

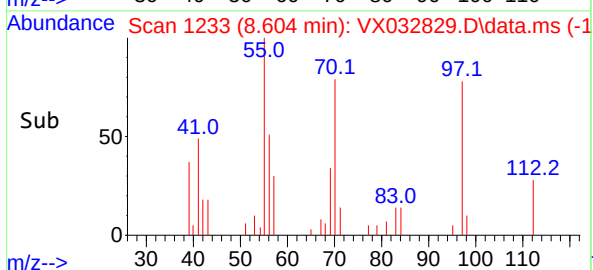
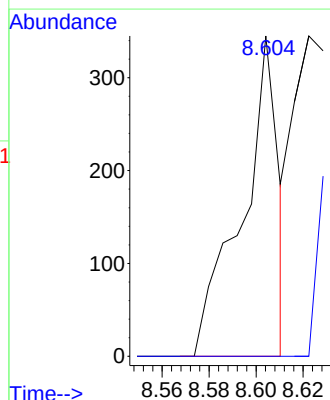
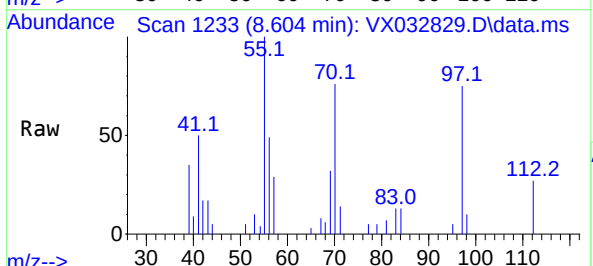
Instrument :
MSVOA_X
ClientSampleId :

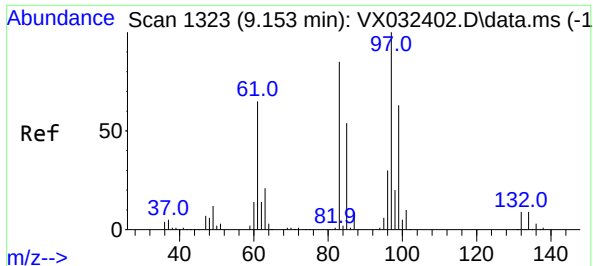
Tgt Ion: 98 Resp: 214727
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.217 ug/l
RT: 8.604 min Scan# 1233
Delta R.T. 0.031 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#

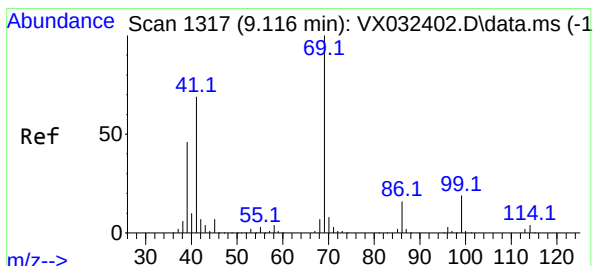
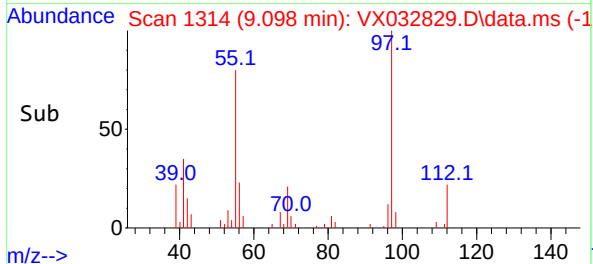
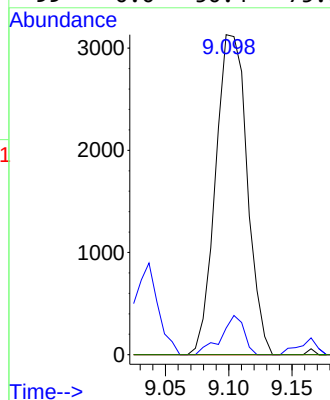
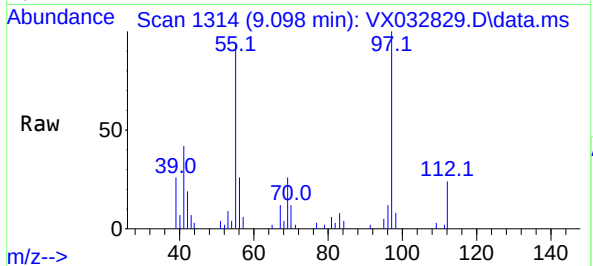




#55
1,1,2-Trichloroethane
Concen: 4.088 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.055 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

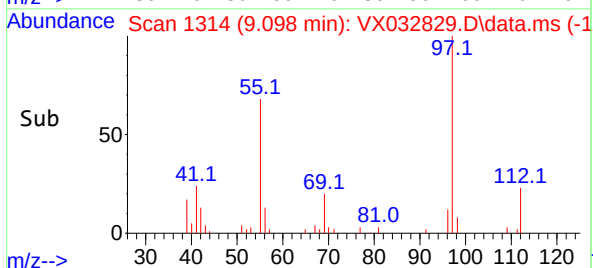
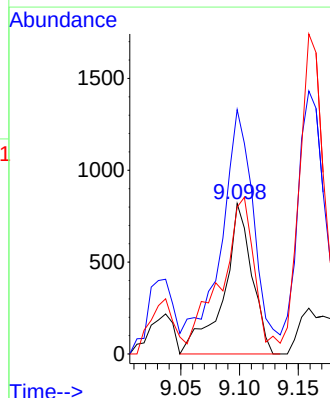
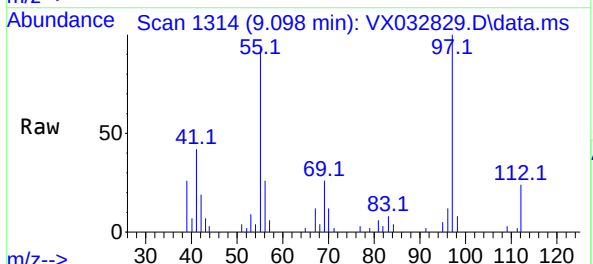
Instrument :
MSVOA_X
ClientSampleId :

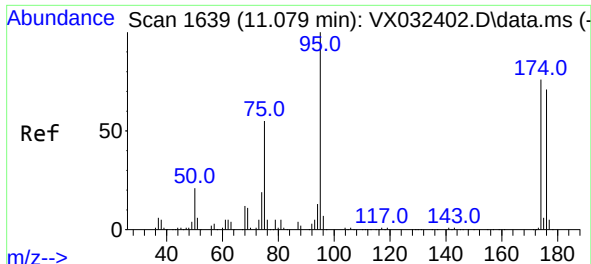
Tgt Ion:	97	Resp:	5434
Ion	Ratio	Lower	Upper
97	100		
83	8.3	68.1	102.1#
85	0.0	43.3	64.9#
99	0.0	50.4	75.6#



#56
Ethyl methacrylate
Concen: 0.715 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.018 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion:	69	Resp:	1367
Ion	Ratio	Lower	Upper
69	100		
41	188.0	54.3	81.5#
39	113.8	35.2	52.8#

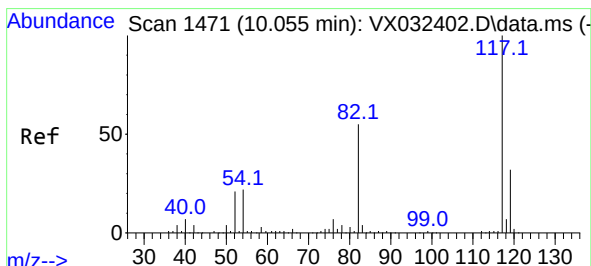
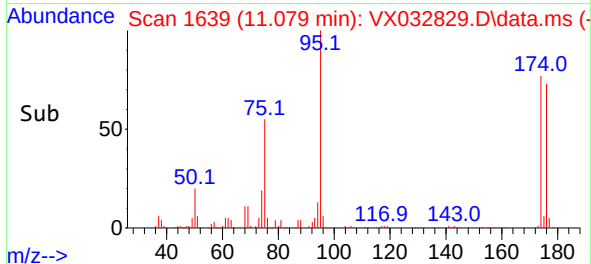
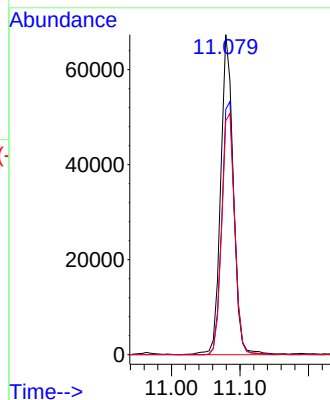
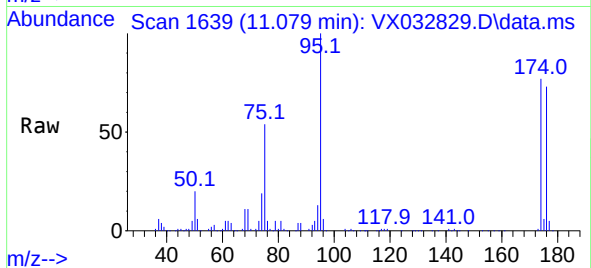




#62
4-Bromofluorobenzene
Concen: 51.439 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

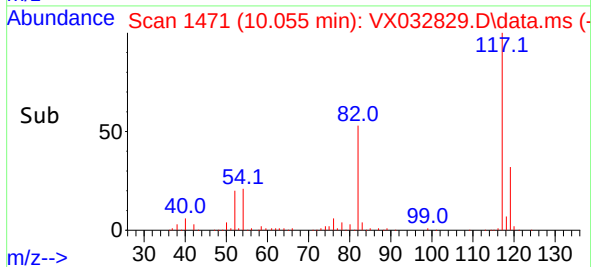
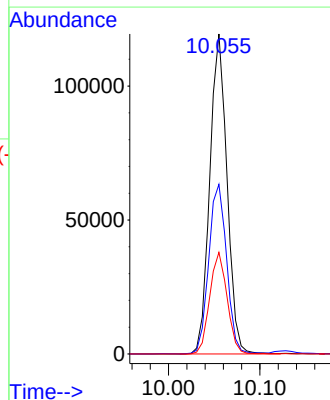
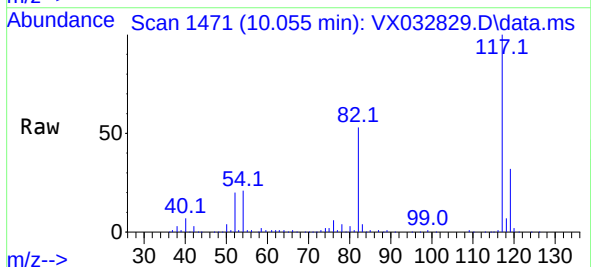
Instrument :
MSVOA_X
ClientSampleId :

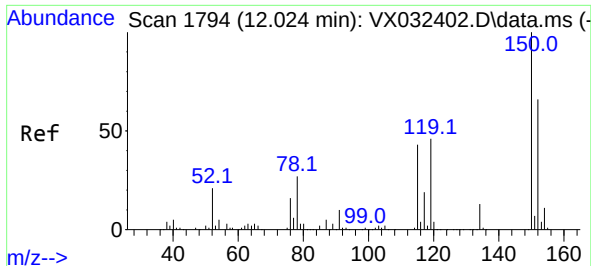
Tgt Ion: 95 Resp: 85780
Ion Ratio Lower Upper
95 100
174 80.6 0.0 164.0
176 77.2 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

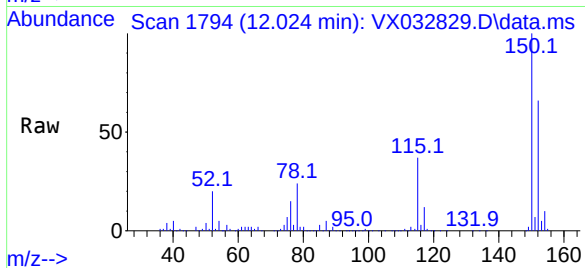
Tgt Ion: 117 Resp: 156239
Ion Ratio Lower Upper
117 100
82 53.0 44.3 66.5
119 31.8 25.7 38.5



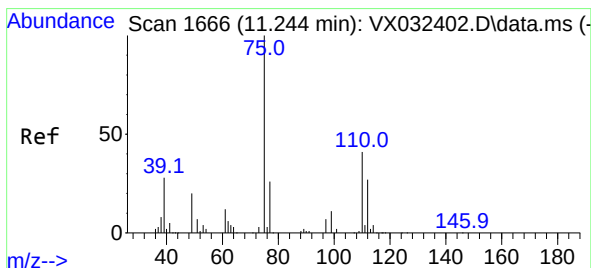
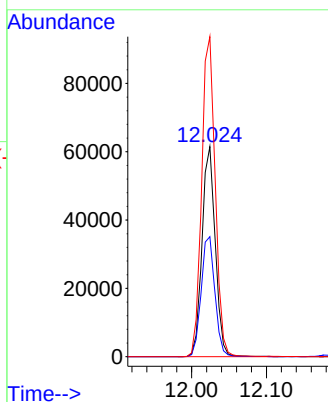
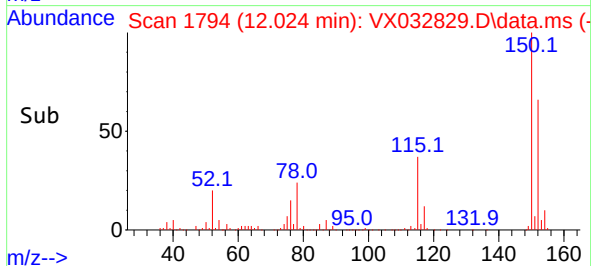


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Instrument :
MSVOA_X
ClientSampleId :

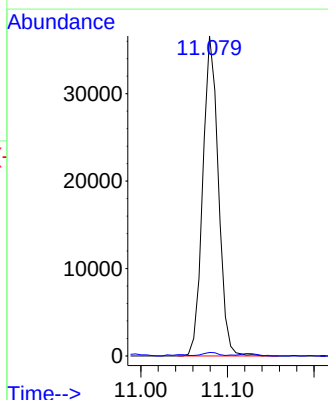
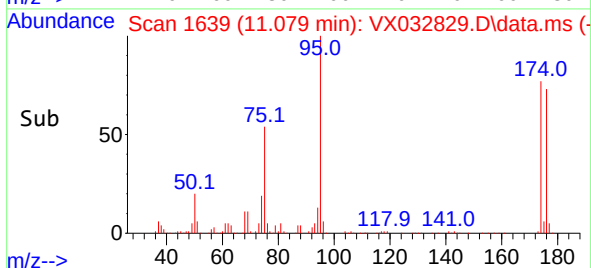
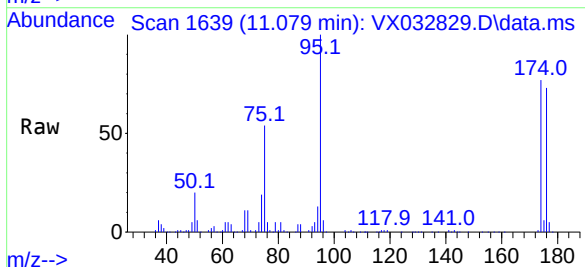


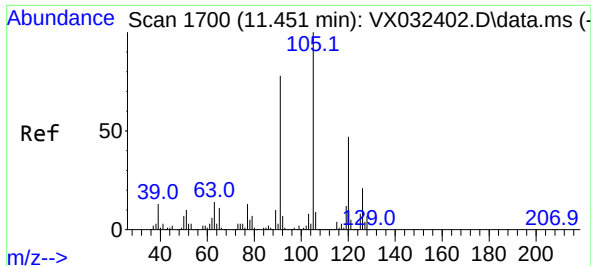
Tgt Ion:152 Resp: 75557
Ion Ratio Lower Upper
152 100
115 59.6 44.0 132.0
150 156.0 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.150 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion: 75 Resp: 45638
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#

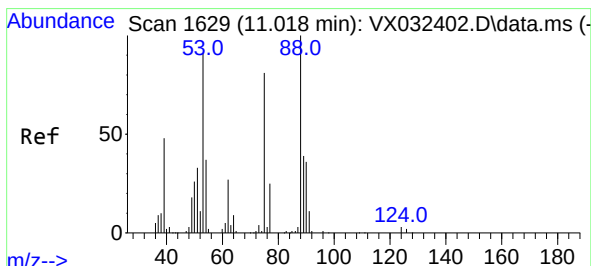
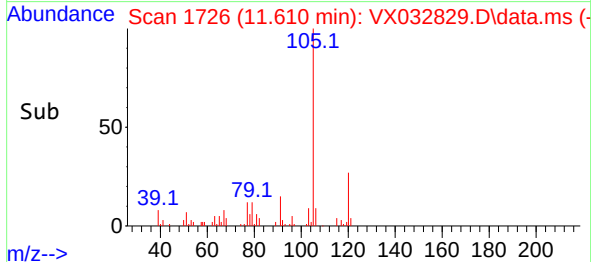
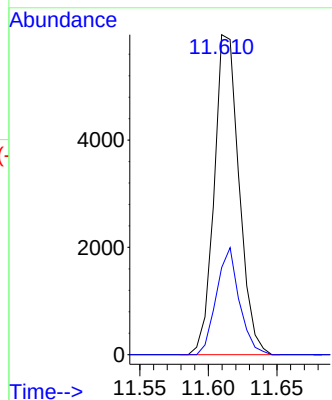
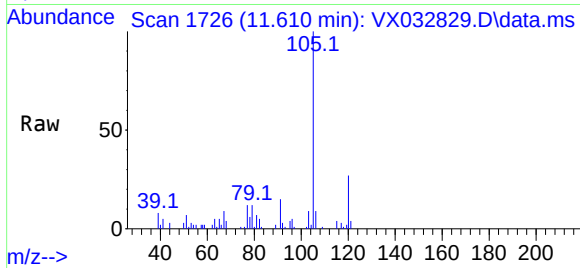




#80
1,3,5-Trimethylbenzene
Concen: 1.471 ug/l
RT: 11.610 min Scan# 11
Delta R.T. 0.159 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

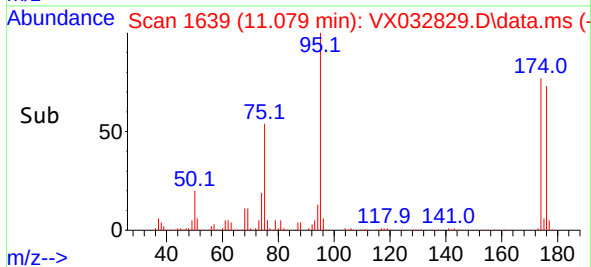
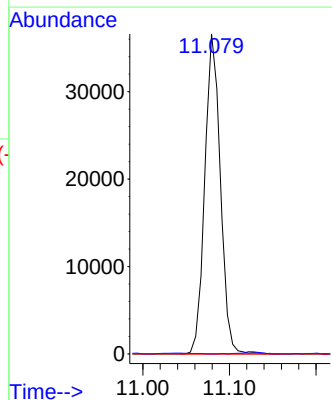
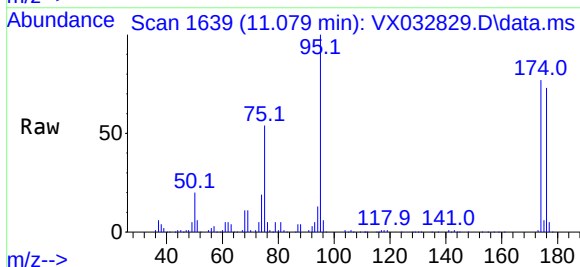
Instrument :
MSVOA_X
ClientSampleId :

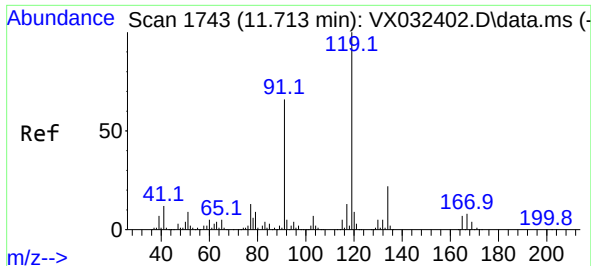
Tgt Ion:105 Resp: 7527
Ion Ratio Lower Upper
105 100
120 30.8 23.6 71.0



#81
trans-1,4-Dichloro-2-butene
Concen: 86.392 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion: 75 Resp: 45638
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

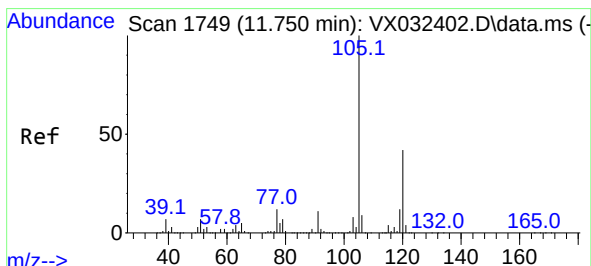
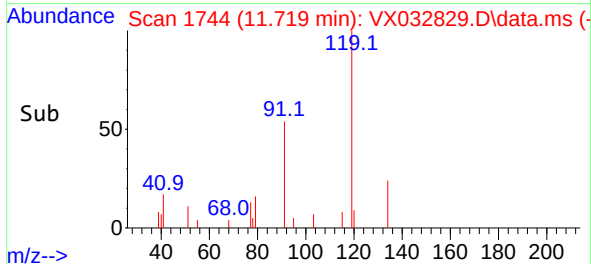
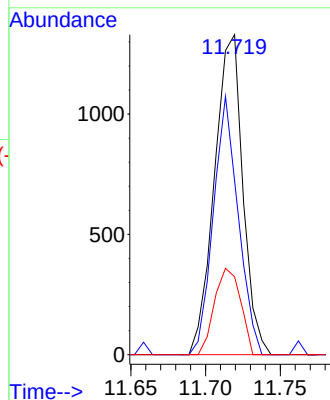
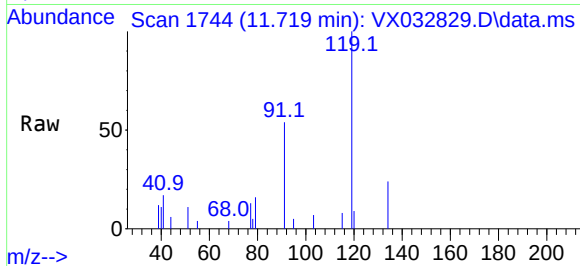




#83
tert-Butylbenzene
Concen: 0.344 ug/l
RT: 11.719 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

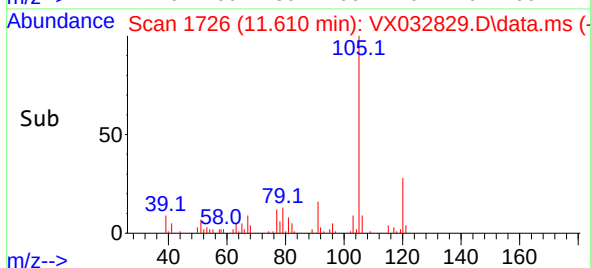
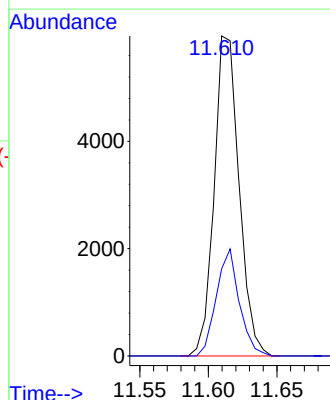
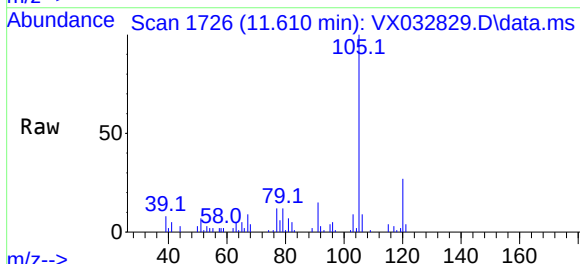
Instrument :
MSVOA_X
ClientSampleId :

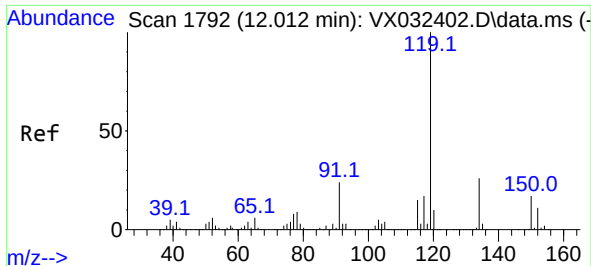
Tgt Ion:119 Resp: 1757
Ion Ratio Lower Upper
119 100
91 70.6 29.4 88.2
134 24.7 11.0 33.0



#84
1,2,4-Trimethylbenzene
Concen: 1.479 ug/l
RT: 11.610 min Scan# 1726
Delta R.T. -0.140 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion:105 Resp: 7527
Ion Ratio Lower Upper
105 100
120 30.8 21.9 65.5





#86

p-Isopropyltoluene

Concen: 1.062 ug/l

RT: 12.177 min Scan# 119

Delta R.T. 0.165 min

Lab File: VX032829.D

Acq: 15 Nov 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :

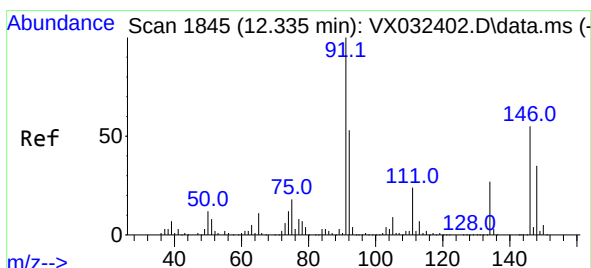
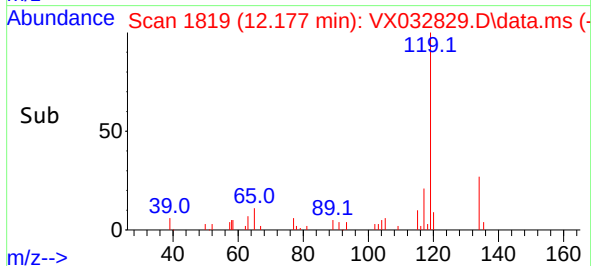
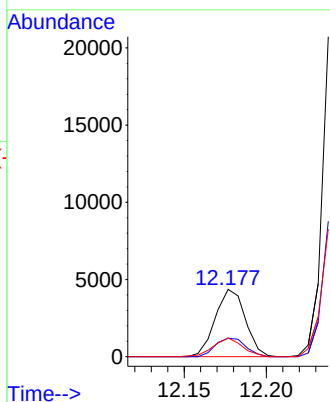
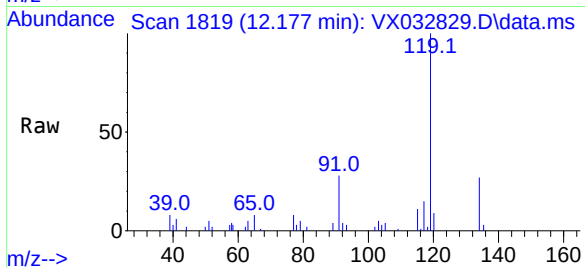
Tgt Ion:119 Resp: 5542

Ion Ratio Lower Upper

119 100

134 27.7 12.9 38.7

91 27.0 12.5 37.5



#89

n-Butylbenzene

Concen: 1.468 ug/l

RT: 12.311 min Scan# 1841

Delta R.T. -0.024 min

Lab File: VX032829.D

Acq: 15 Nov 2022 17:44

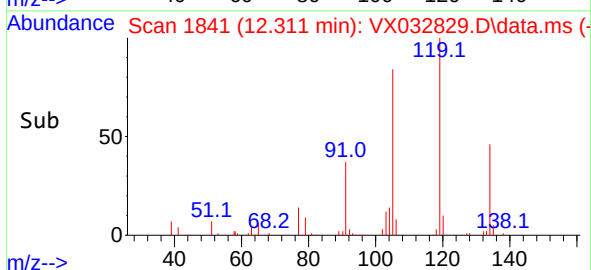
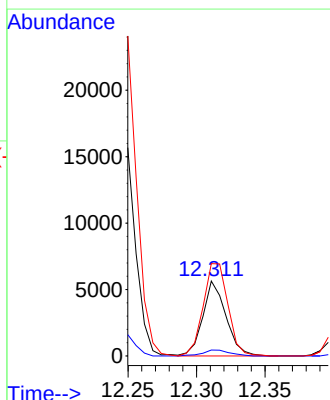
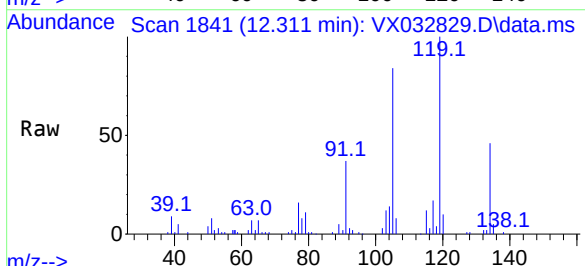
Tgt Ion: 91 Resp: 6660

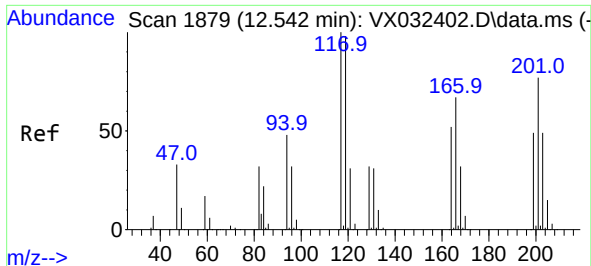
Ion Ratio Lower Upper

91 100

92 9.2 26.2 78.6#

134 131.4 12.9 38.6#

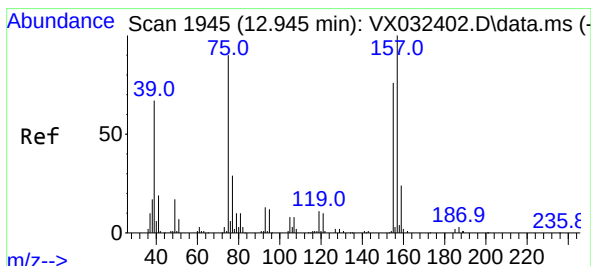
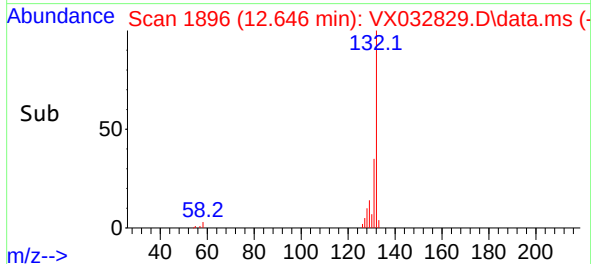
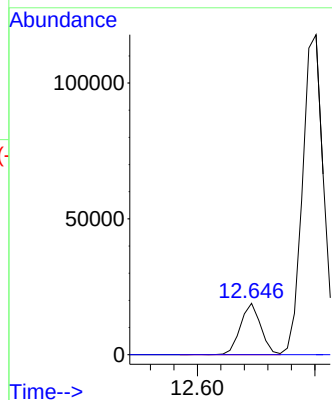
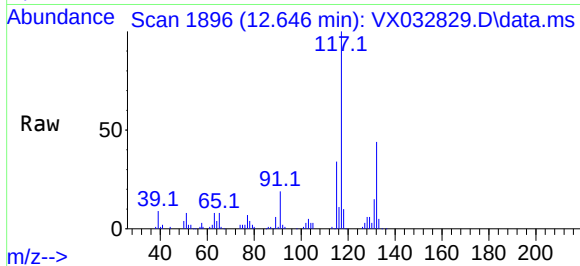




#90
Hexachloroethane
Concen: 26.692 ug/l
RT: 12.646 min Scan# 117
Delta R.T. 0.104 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

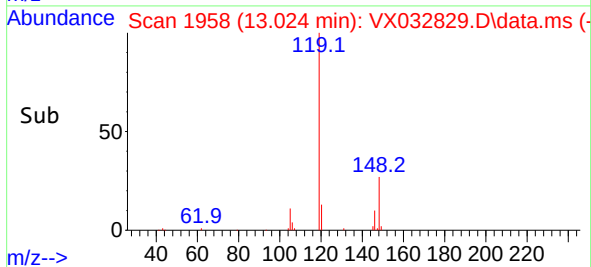
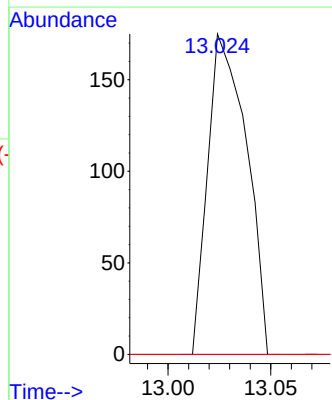
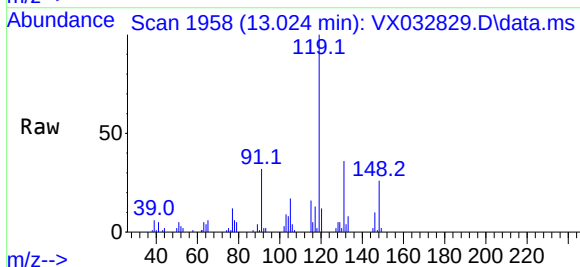
Instrument :
MSVOA_X
ClientSampleId :

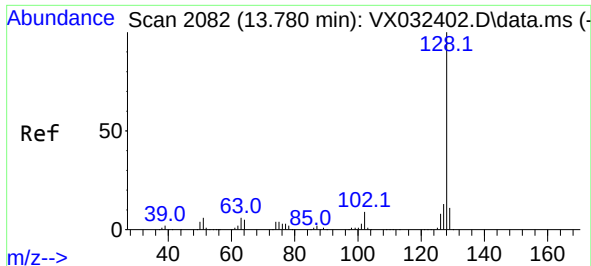
Tgt Ion:117 Resp: 22741
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.543 ug/l
RT: 13.024 min Scan# 1958
Delta R.T. 0.079 min
Lab File: VX032829.D
Acq: 15 Nov 2022 17:44

Tgt Ion: 75 Resp: 229
Ion Ratio Lower Upper
75 100
155 0.0 41.6 124.8#
157 0.0 54.1 162.4#





#95

Naphthalene

Concen: 0.340 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

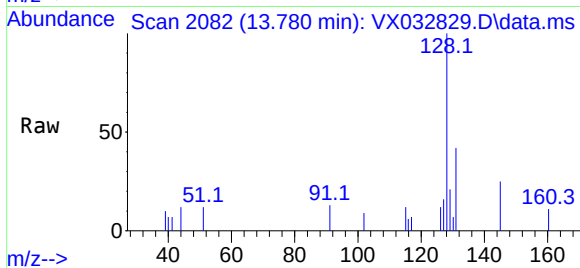
Lab File: VX032829.D

Acq: 15 Nov 2022 17:44

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	128	Resp:	2017
Ion	Ratio	Lower	Upper
128	100		
127	6.9	10.2	15.4#
129	5.8	8.9	13.3#

