

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070622\
 Data File : VX029944.D
 Acq On : 06 Jul 2022 15:17
 Operator : JC/MD
 Sample : N3599-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MID0722

Quant Time: Jul 07 02:37:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

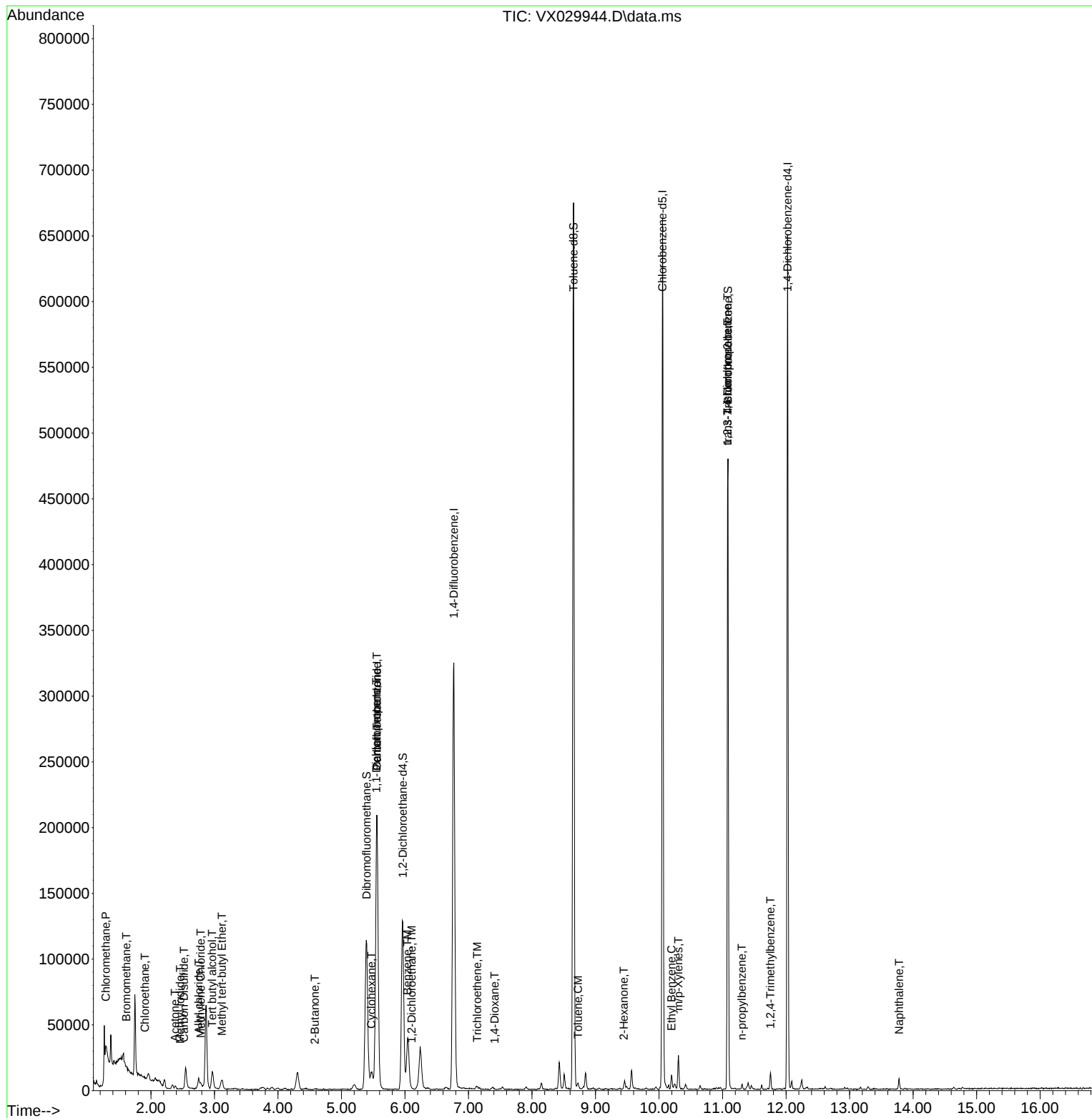
Internal Standards						
1) Pentafluorobenzene	5.556	168	205345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	352345	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	308158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	112318	43.211	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.420%
35) Dibromofluoromethane	5.397	113	103672	47.081	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.160%
50) Toluene-d8	8.653	98	401849	48.646	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.300%
62) 4-Bromofluorobenzene	11.085	95	130890	44.825	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.660%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	2026	0.878	ug/l #	68
5) Bromomethane	1.612	94	354	0.280	ug/l #	60
6) Chloroethane	1.904	64	2003	2.201	ug/l #	44
10) Methyl Iodide	2.459	142	495	2.042	ug/l #	86
11) Tert butyl alcohol	2.965	59	15801	23.244	ug/l #	94
13) Acrolein	2.239	56	44	Below Cal	#	14
14) Allyl chloride	2.752	41	1007	0.258	ug/l #	1
16) Acetone	2.380	43	2443	1.921	ug/l	99
17) Carbon Disulfide	2.520	76	1088	0.207	ug/l #	74
19) Methyl tert-butyl Ether	3.117	73	6819	0.955	ug/l #	81
20) Methylene Chloride	2.782	84	701	0.261	ug/l #	85
25) 2-Butanone	4.580	43	573	0.260	ug/l	92
31) Cyclohexane	5.471	56	9114	2.515	ug/l	85
36) 1,1-Dichloropropene	5.550	75	15033	5.133	ug/l #	46
38) Carbon Tetrachloride	5.556	117	19523	7.693	ug/l #	17
40) Benzene	6.038	78	48170	5.087	ug/l	96
42) 1,2-Dichloroethane	6.105	62	1164	0.400	ug/l	78
44) Trichloroethene	7.135	130	986	0.387	ug/l	59
49) 1,4-Dioxane	7.409	88	19	0.281	ug/l #	25
52) Toluene	8.726	92	1205	0.211	ug/l	83
59) 2-Hexanone	9.445	43	848	0.275	ug/l #	55
67) Ethyl Benzene	10.195	91	6182	0.575	ug/l	91
68) m/p-Xylenes	10.305	106	5855	1.419	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	61695	19.379	ug/l #	38
78) n-propylbenzene	11.305	91	2288	0.202	ug/l	86
81) trans-1,4-Dichloro-2-b...	11.079	75	61695	61.544	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.756	105	5675	0.709	ug/l	98
95) Naphthalene	13.780	128	5419	0.505	ug/l #	96

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

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Instrument :
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ClientSampleId :
MID0722

Quant Time: Jul 07 02:37:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 05:54:51 2022
Response via : Initial Calibration

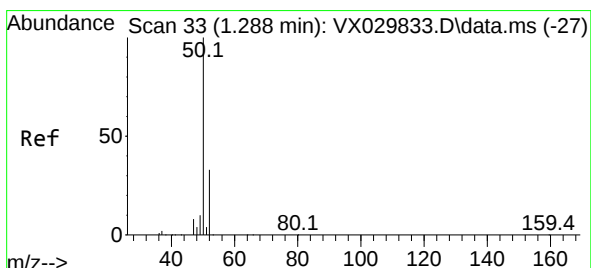
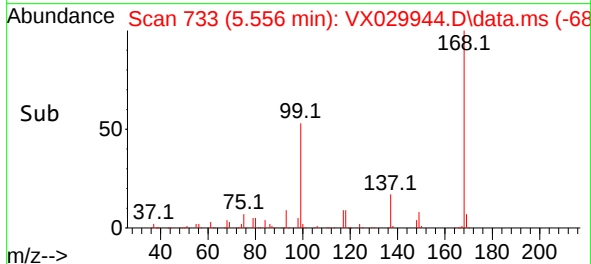
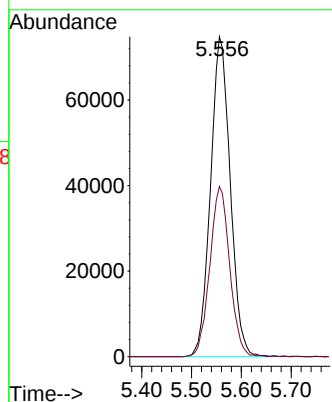
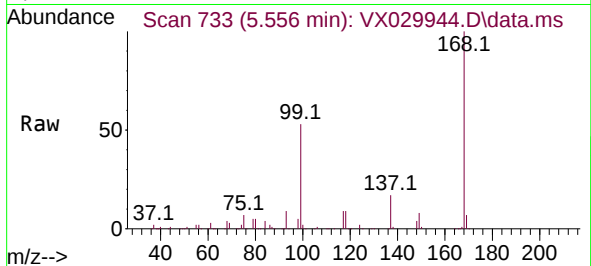




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

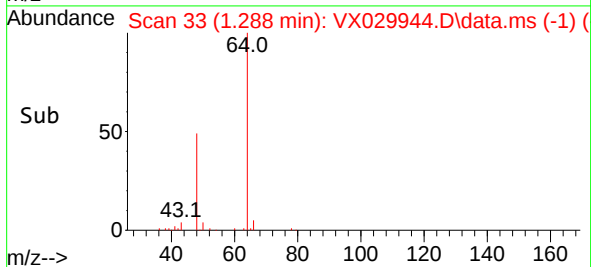
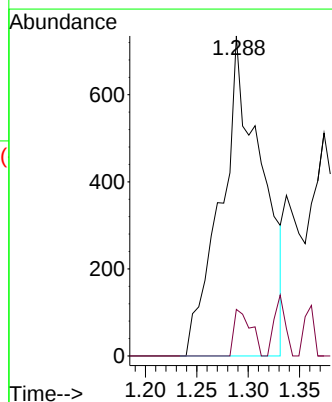
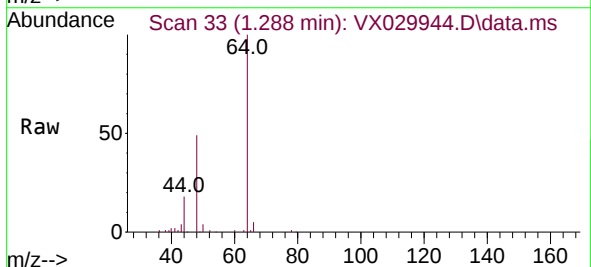
Instrument :
MSVOA_X
ClientSampleId :
MID0722

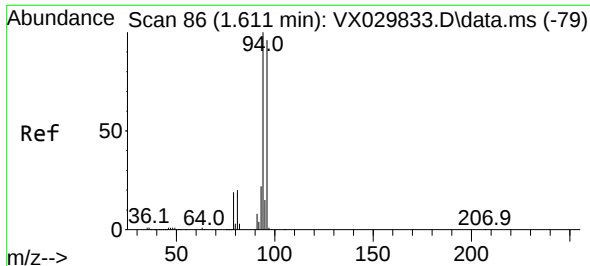
Tgt Ion:168 Resp: 205345
Ion Ratio Lower Upper
168 100
99 53.2 44.0 66.0



#3
Chloromethane
Concen: 0.878 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 50 Resp: 2026
Ion Ratio Lower Upper
50 100
52 14.6 26.3 39.5

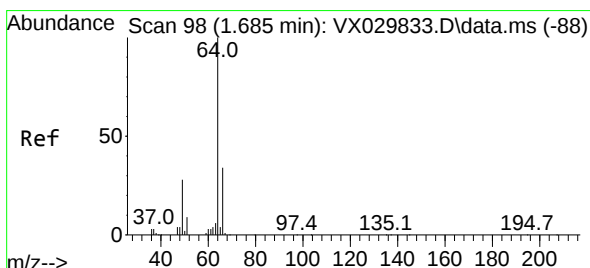
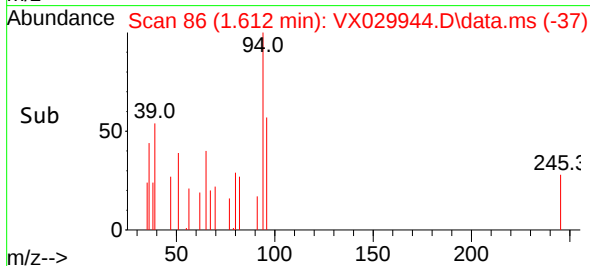
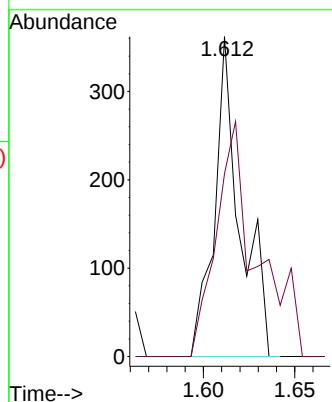
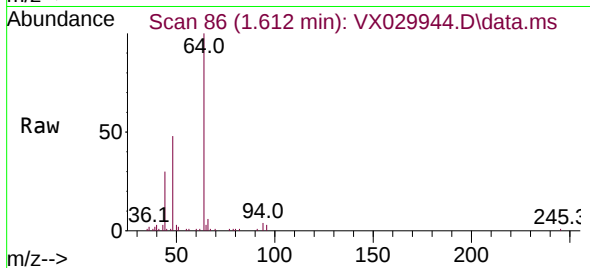




#5
Bromomethane
Concen: 0.280 ug/l
RT: 1.612 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

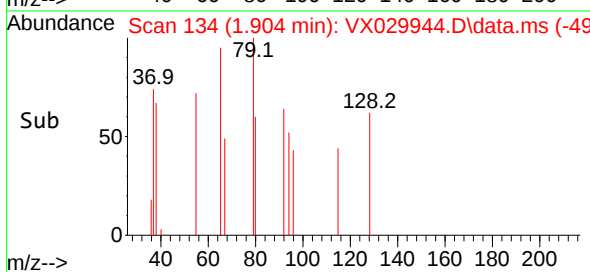
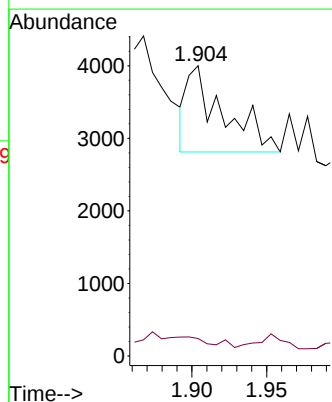
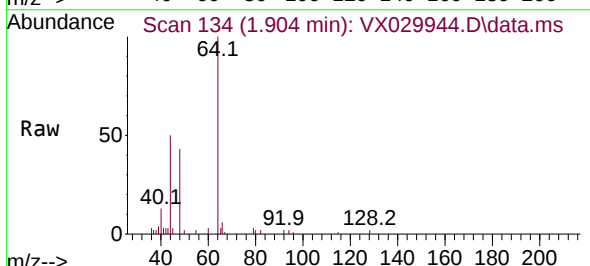
Instrument :
MSVOA_X
ClientSampleId :
MID0722

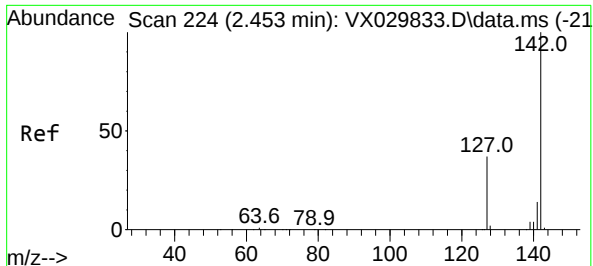
Tgt Ion: 94 Resp: 354
Ion Ratio Lower Upper
94 100
96 57.2 76.9 115.3#



#6
Chloroethane
Concen: 2.201 ug/l
RT: 1.904 min Scan# 134
Delta R.T. 0.219 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 64 Resp: 2003
Ion Ratio Lower Upper
64 100
66 2.1 27.2 40.8#

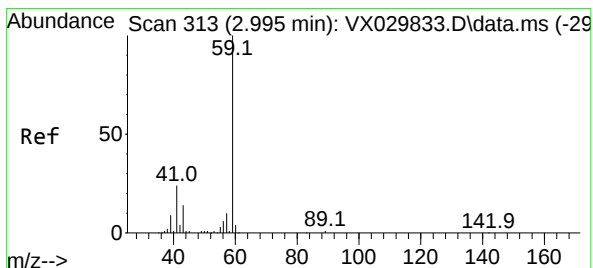
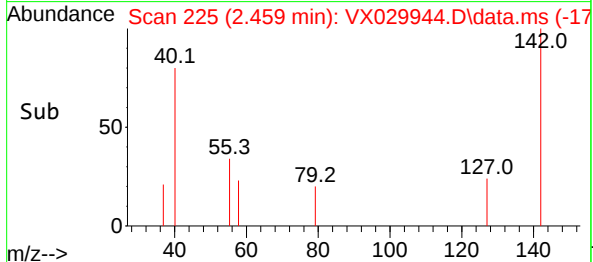
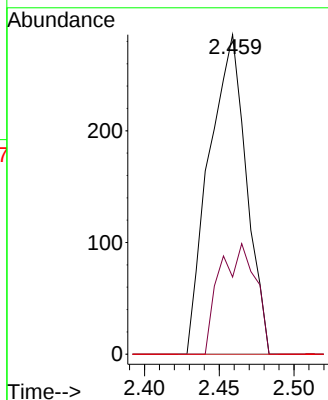
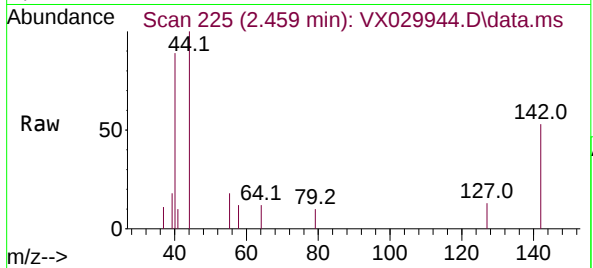




#10
Methyl Iodide
Concen: 2.042 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

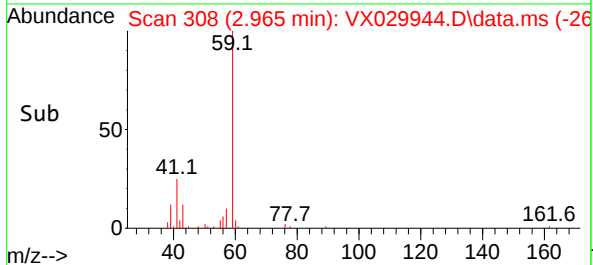
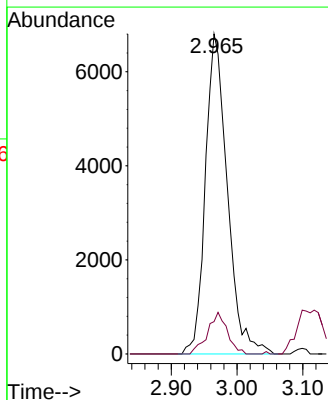
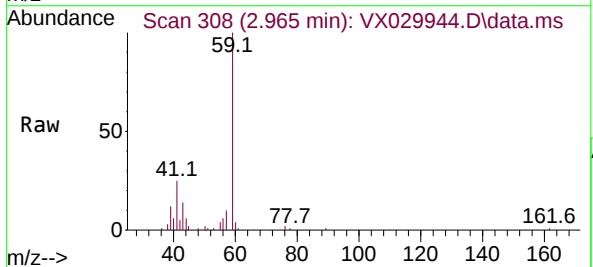
Instrument :
MSVOA_X
ClientSampleId :
MID0722

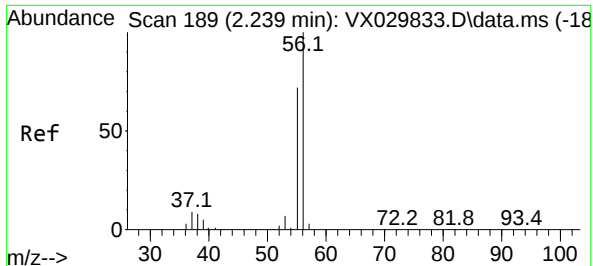
Tgt Ion:142 Resp: 495
Ion Ratio Lower Upper
142 100
127 33.5 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 23.244 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.030 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 59 Resp: 15801
Ion Ratio Lower Upper
59 100
57 11.6 7.4 11.2#

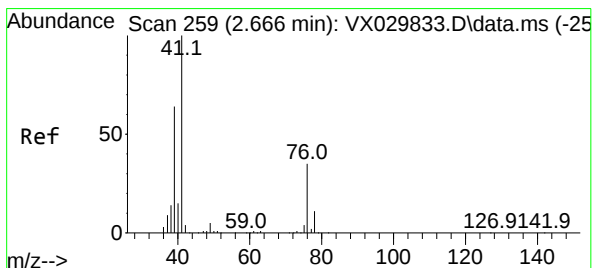
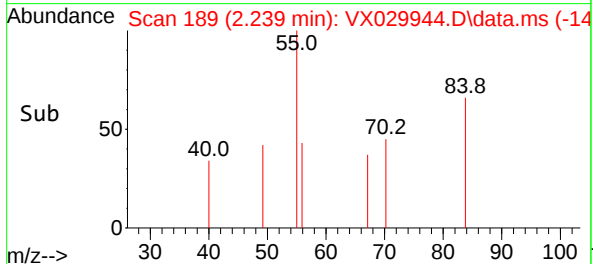
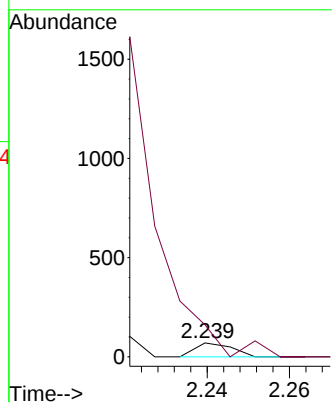
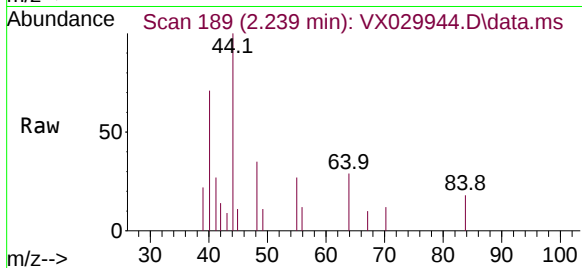




#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

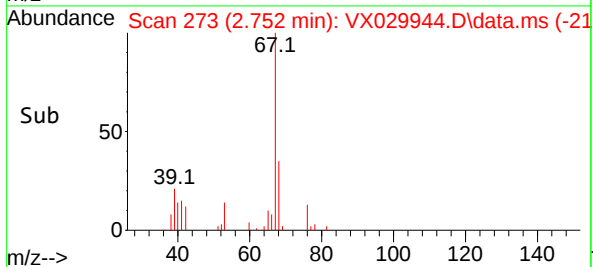
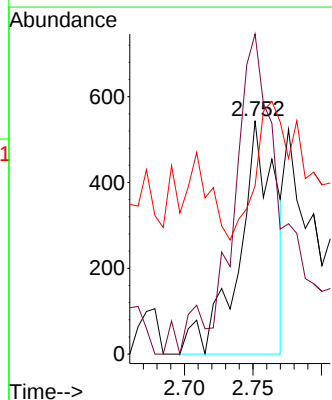
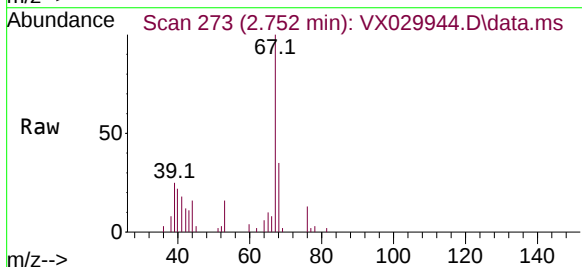
Instrument :
MSVOA_X
ClientSampleId :
MID0722

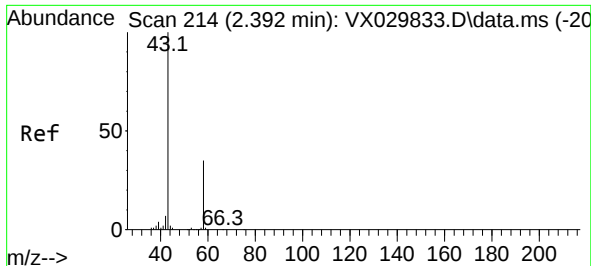
Tgt Ion: 56 Resp: 44
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#



#14
Allyl chloride
Concen: 0.258 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.085 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 41 Resp: 1007
Ion Ratio Lower Upper
41 100
39 152.2 48.9 73.3#
76 74.1 26.9 40.3#

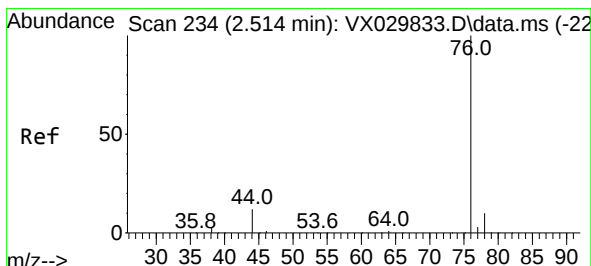
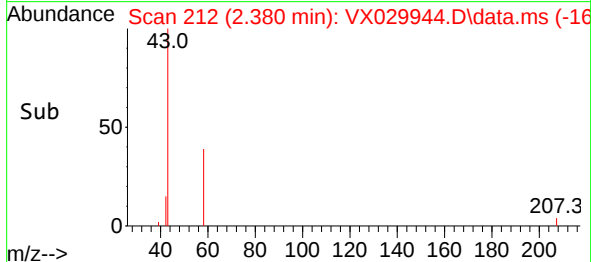
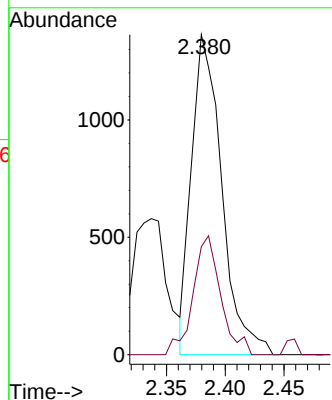
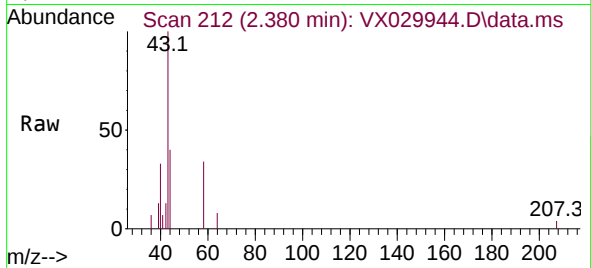




#16
Acetone
Concen: 1.921 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

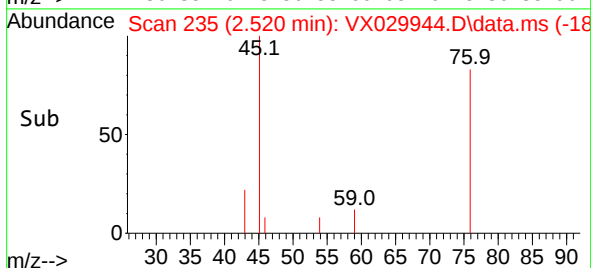
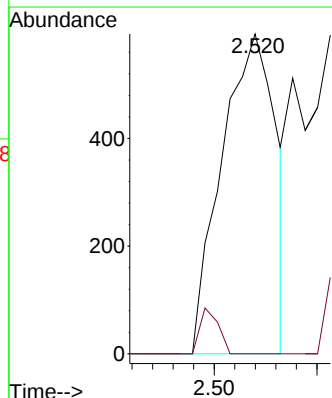
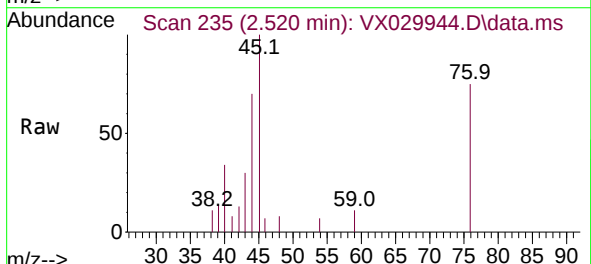
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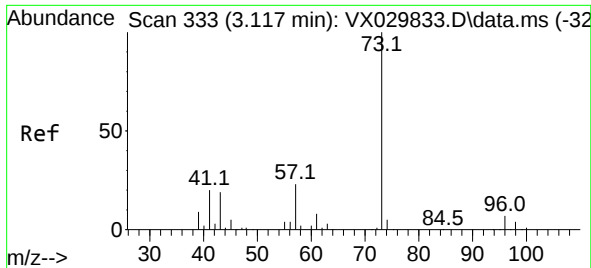
Tgt Ion: 43 Resp: 2443
Ion Ratio Lower Upper
43 100
58 33.7 27.7 41.5



#17
Carbon Disulfide
Concen: 0.207 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 76 Resp: 1088
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#

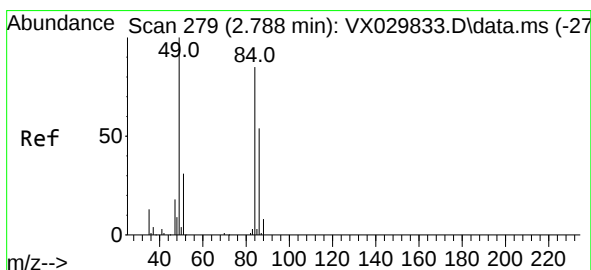
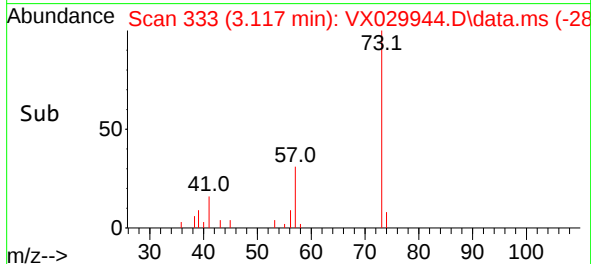
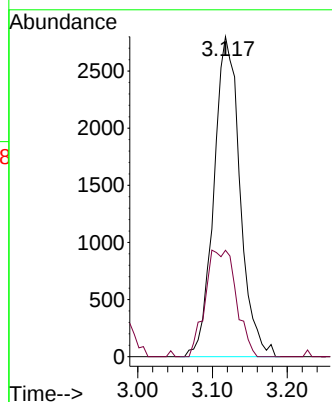
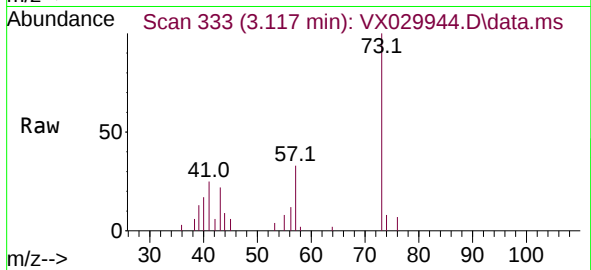




#19
Methyl tert-butyl Ether
Concen: 0.955 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

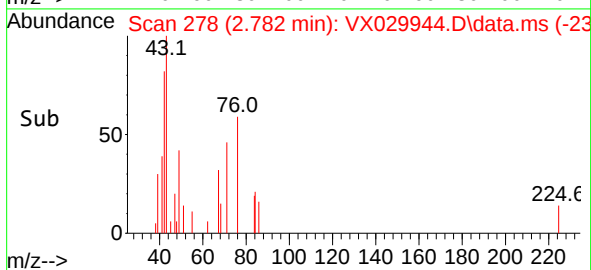
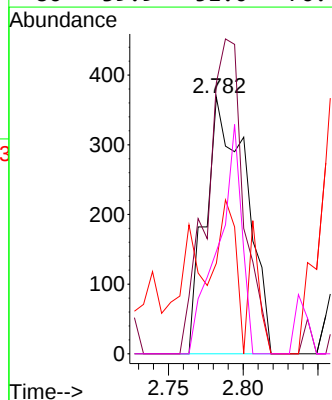
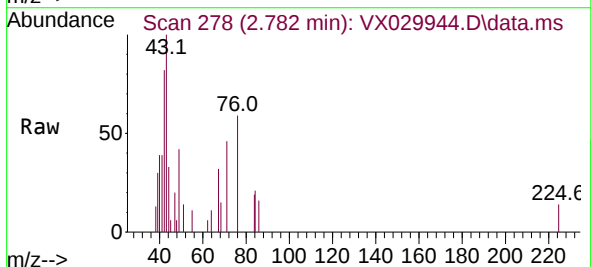
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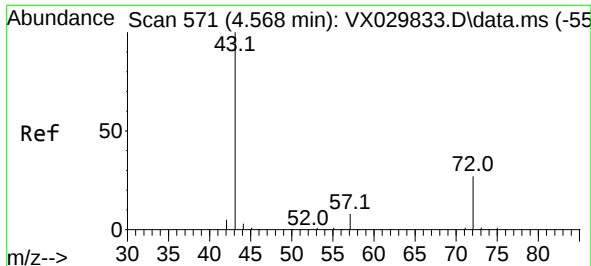
Tgt Ion: 73 Resp: 6819
Ion Ratio Lower Upper
73 100
57 33.3 19.0 28.6#



#20
Methylene Chloride
Concen: 0.261 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 84 Resp: 701
Ion Ratio Lower Upper
84 100
49 105.7 93.8 140.6
51 35.3 29.4 44.0
86 39.9 51.0 76.4#





#25

2-Butanone

Concen: 0.260 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX029944.D

Acq: 06 Jul 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

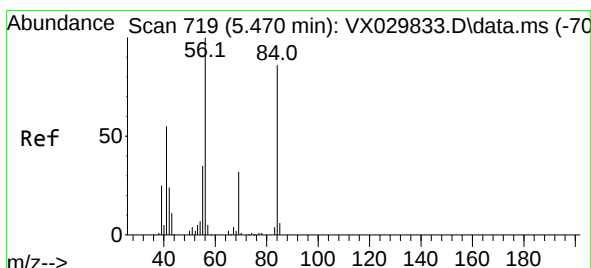
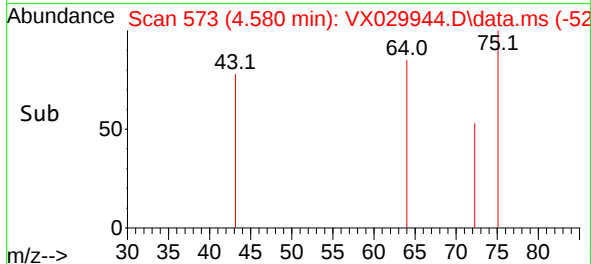
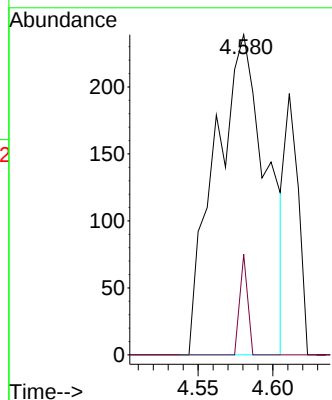
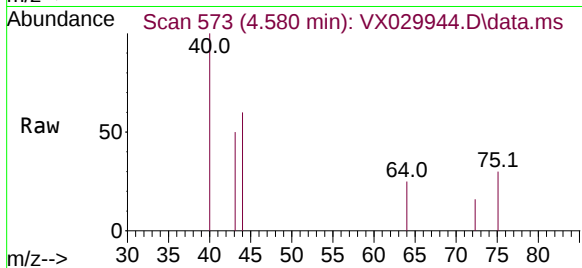
MID0722

Tgt Ion: 43 Resp: 573

Ion Ratio Lower Upper

43 100

72 31.4 21.7 32.5



#31

Cyclohexane

Concen: 2.515 ug/l

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX029944.D

Acq: 06 Jul 2022 15:17

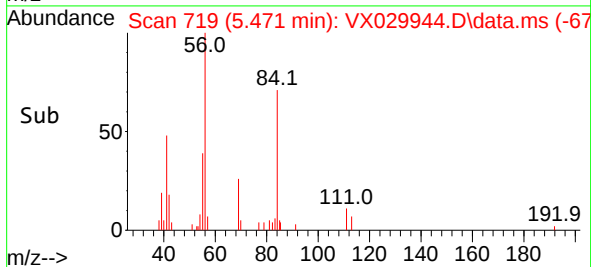
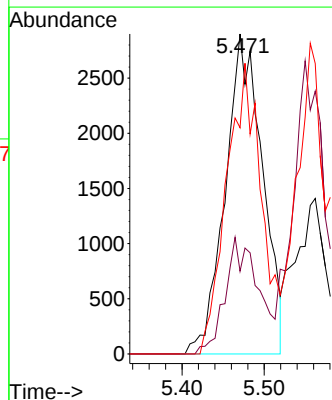
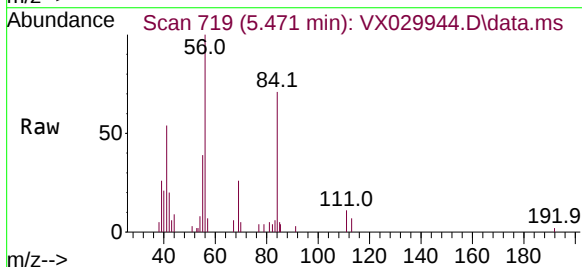
Tgt Ion: 56 Resp: 9114

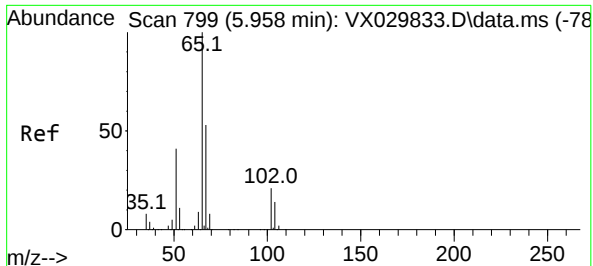
Ion Ratio Lower Upper

56 100

69 25.8 25.4 38.0

84 70.7 68.9 103.3





#33

1,2-Dichloroethane-d4

Concen: 43.211 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029944.D

Acq: 06 Jul 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

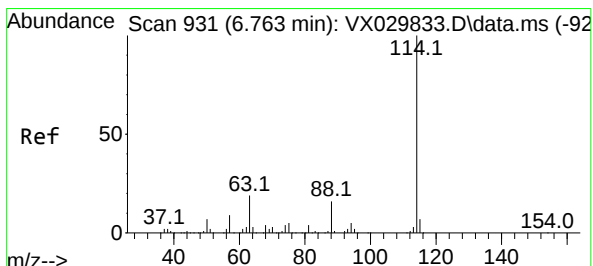
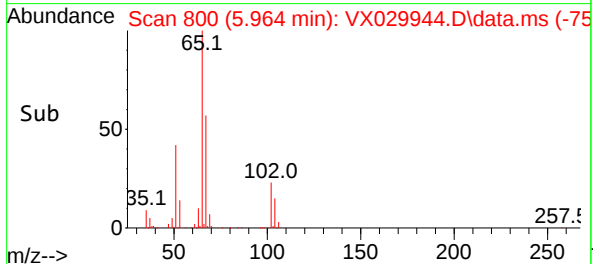
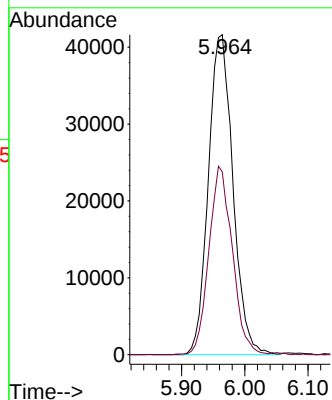
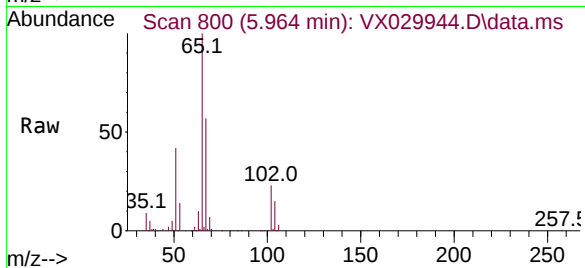
MID0722

Tgt Ion: 65 Resp: 112318

Ion Ratio Lower Upper

65 100

67 56.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029944.D

Acq: 06 Jul 2022 15:17

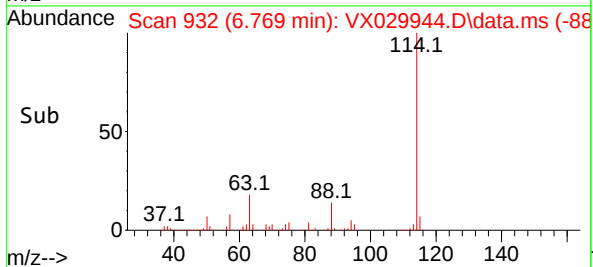
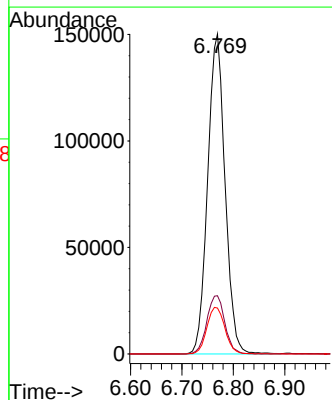
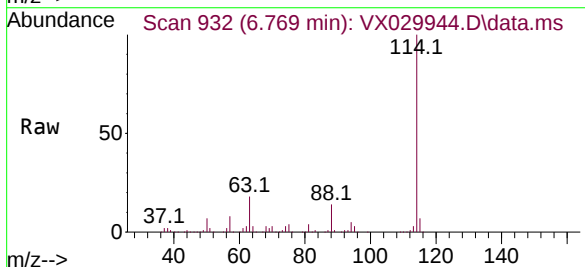
Tgt Ion: 114 Resp: 352345

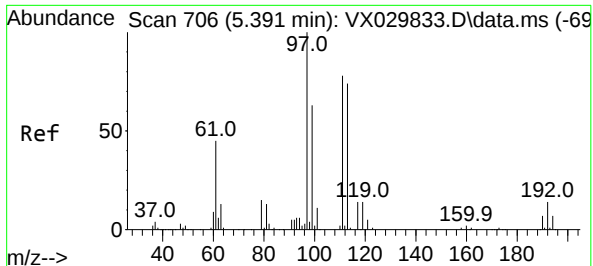
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 14.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.081 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX029944.D

Acq: 06 Jul 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

MID0722

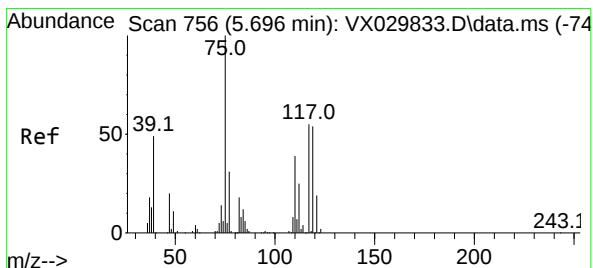
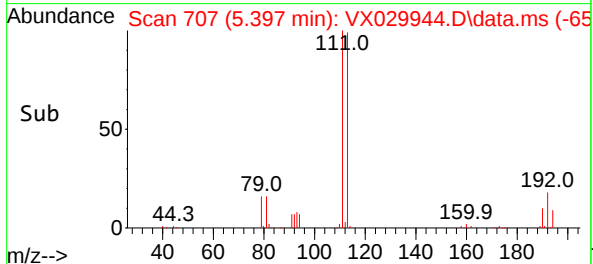
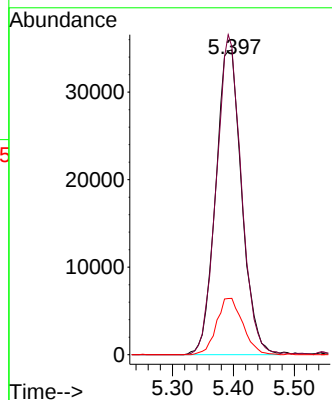
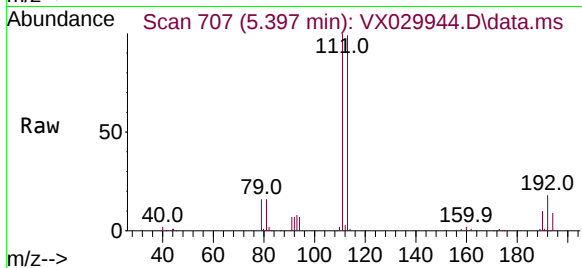
Tgt Ion:113 Resp: 103672

Ion Ratio Lower Upper

113 100

111 100.6 83.2 124.8

192 18.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.133 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029944.D

Acq: 06 Jul 2022 15:17

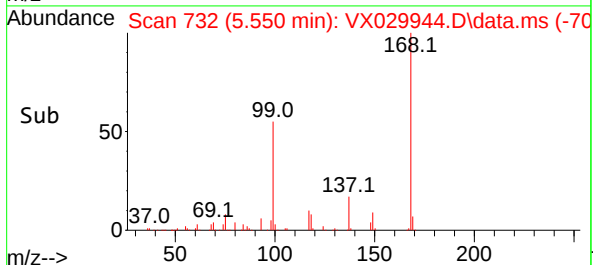
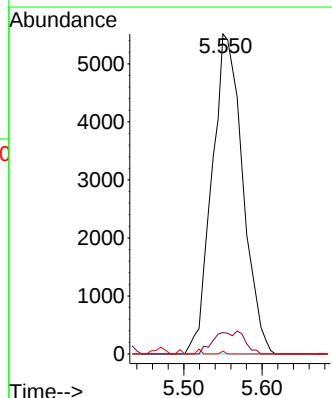
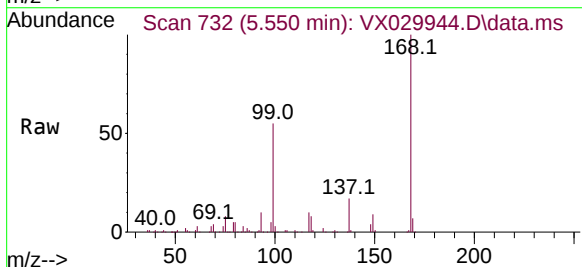
Tgt Ion: 75 Resp: 15033

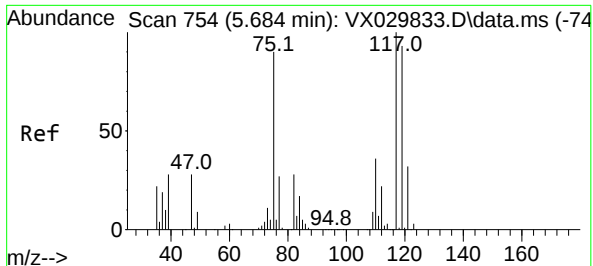
Ion Ratio Lower Upper

75 100

110 7.1 19.3 57.9#

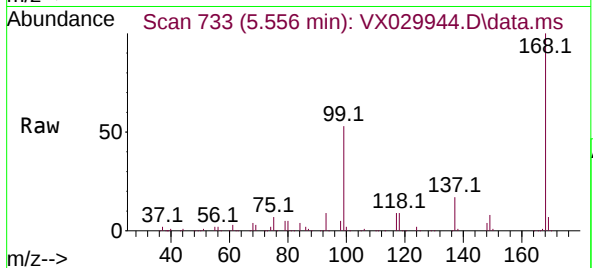
77 0.1 24.4 36.6#



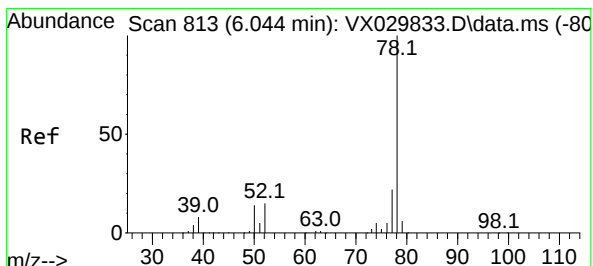
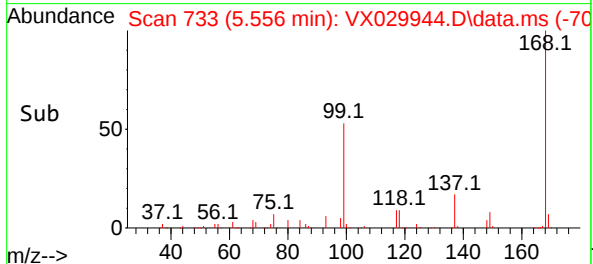
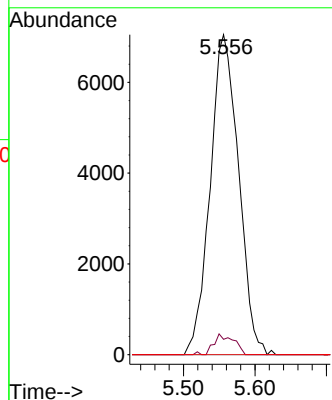


#38
Carbon Tetrachloride
Concen: 7.693 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Instrument :
MSVOA_X
ClientSampleId :
MID0722

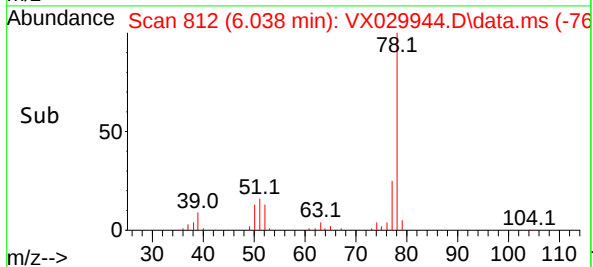
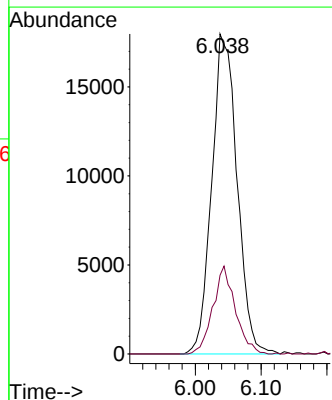
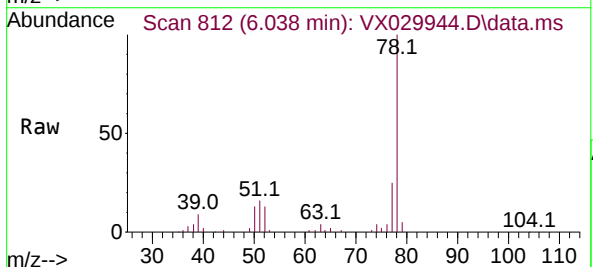


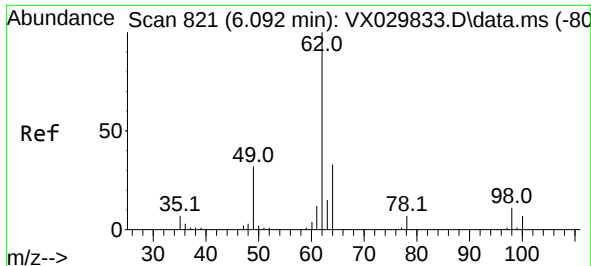
Tgt Ion:117 Resp: 19523
Ion Ratio Lower Upper
117 100
119 4.8 74.1 111.1#
121 0.0 25.8 38.8#



#40
Benzene
Concen: 5.087 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 78 Resp: 48170
Ion Ratio Lower Upper
78 100
77 24.6 18.0 27.0





#42

1,2-Dichloroethane

Concen: 0.400 ug/l

RT: 6.105 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX029944.D

Acq: 06 Jul 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

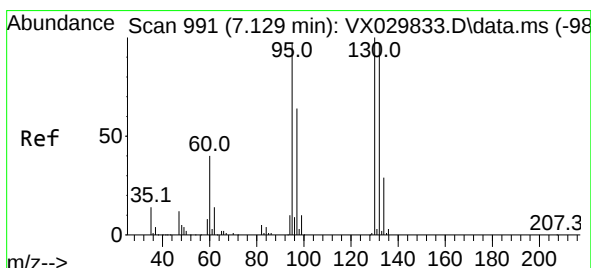
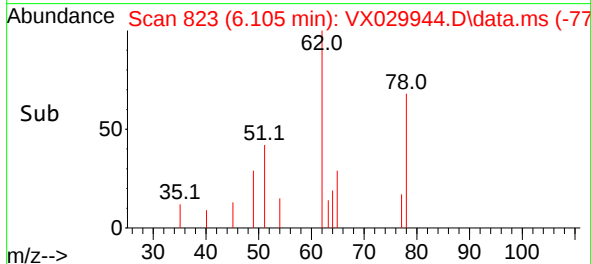
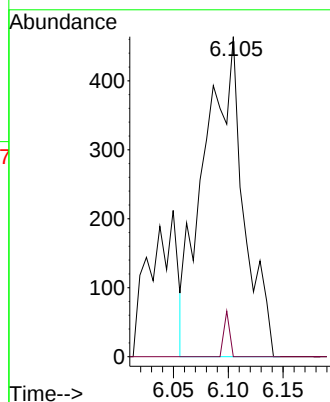
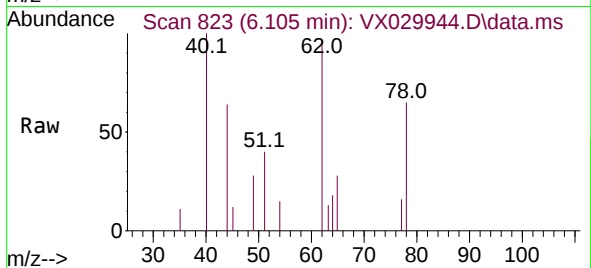
MID0722

Tgt Ion: 62 Resp: 1164

Ion Ratio Lower Upper

62 100

98 2.1 0.0 20.2



#44

Trichloroethene

Concen: 0.387 ug/l

RT: 7.135 min Scan# 992

Delta R.T. 0.006 min

Lab File: VX029944.D

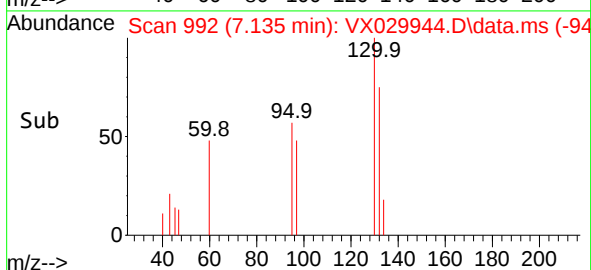
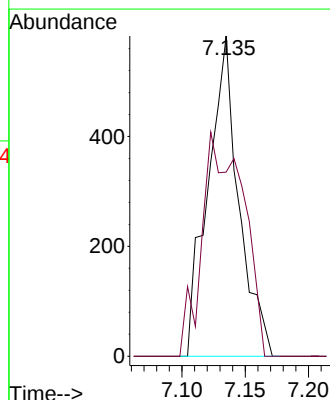
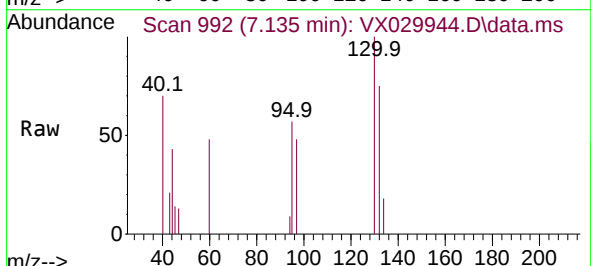
Acq: 06 Jul 2022 15:17

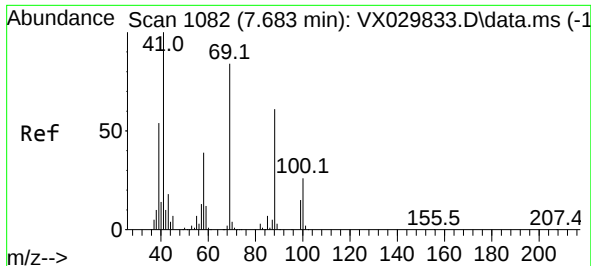
Tgt Ion:130 Resp: 986

Ion Ratio Lower Upper

130 100

95 57.5 0.0 194.8





#49

1,4-Dioxane

Concen: 0.281 ug/l

RT: 7.409 min Scan# 1082

Delta R.T. -0.274 min

Lab File: VX029944.D

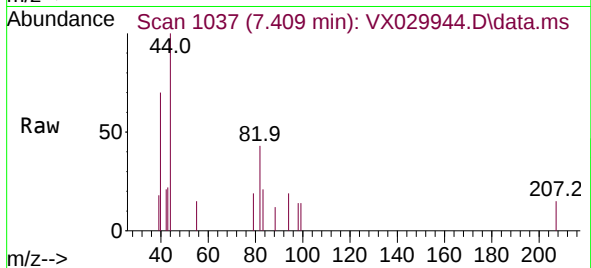
Acq: 06 Jul 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

MID0722



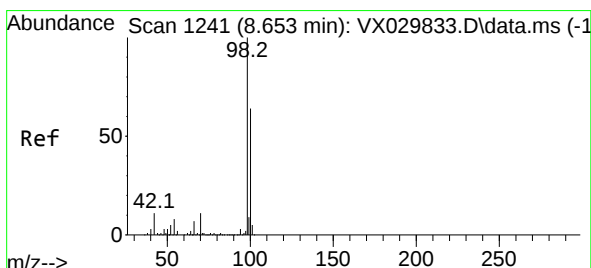
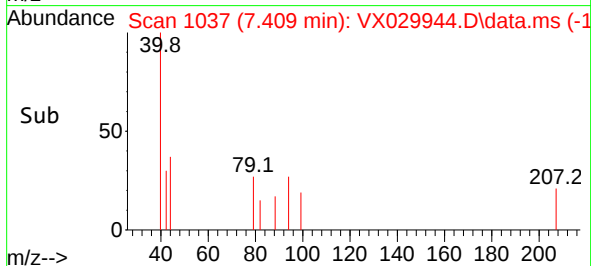
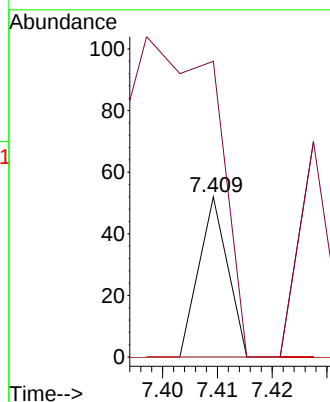
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 48.646 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX029944.D

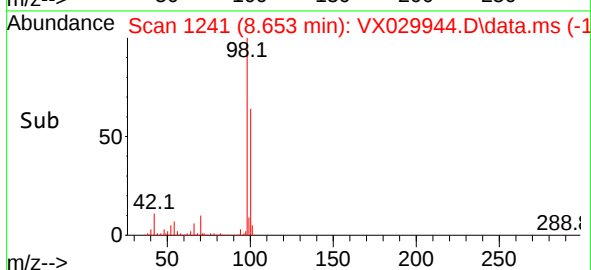
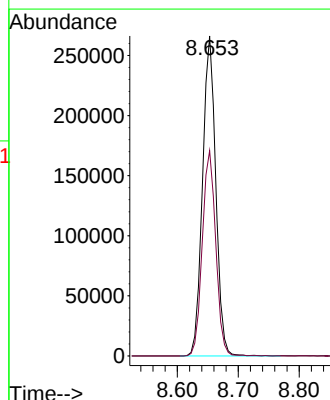
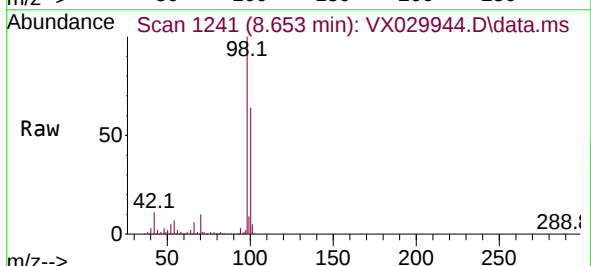
Acq: 06 Jul 2022 15:17

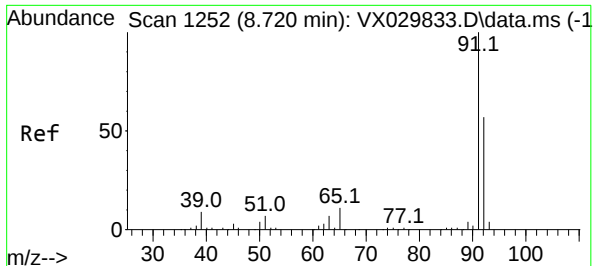
Tgt Ion: 98 Resp: 401849

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5

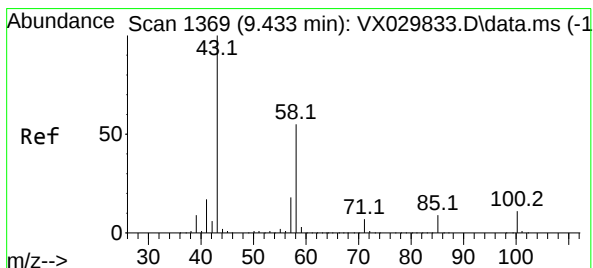
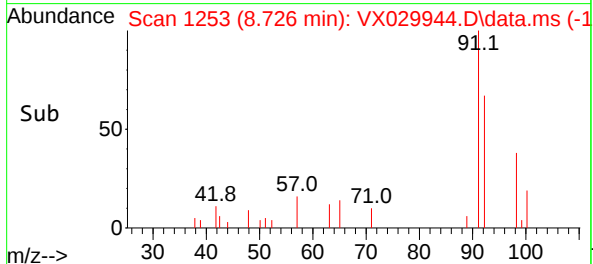
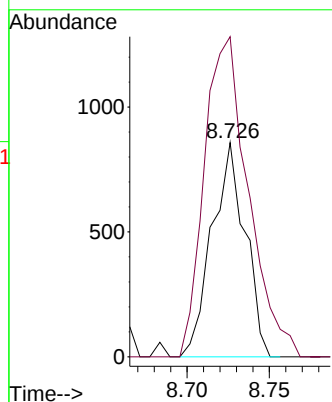
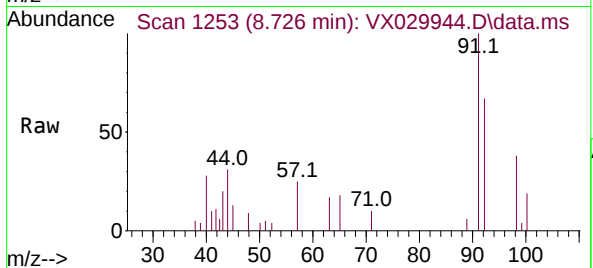




#52
Toluene
Concen: 0.211 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

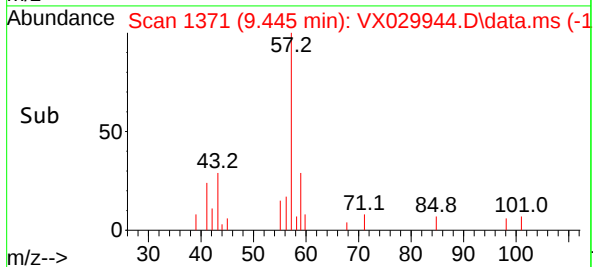
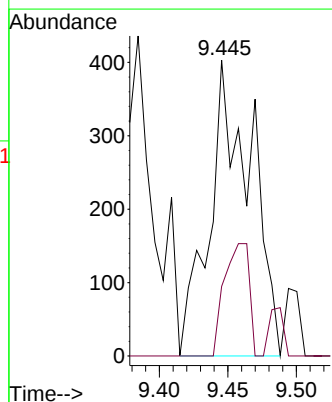
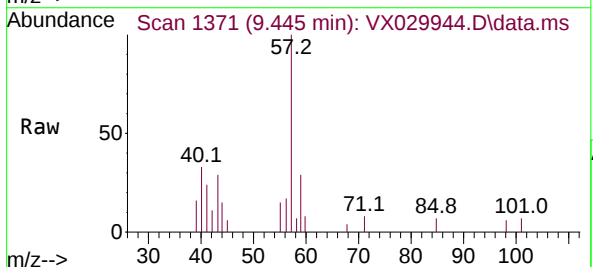
Instrument :
MSVOA_X
ClientSampleId :
MID0722

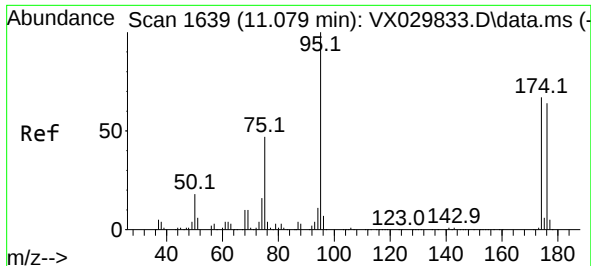
Tgt Ion: 92 Resp: 1205
Ion Ratio Lower Upper
92 100
91 197.8 139.2 208.8



#59
2-Hexanone
Concen: 0.275 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
58 22.8 27.6 82.8#

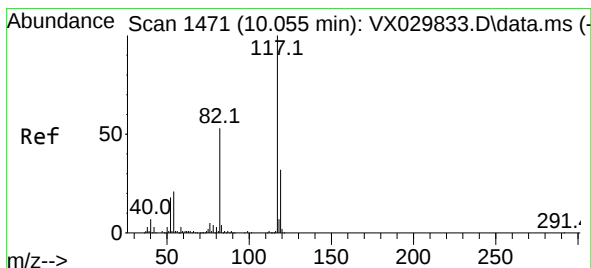
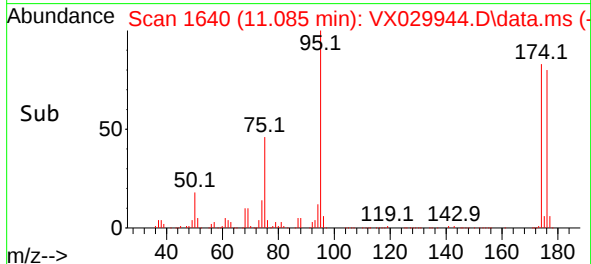
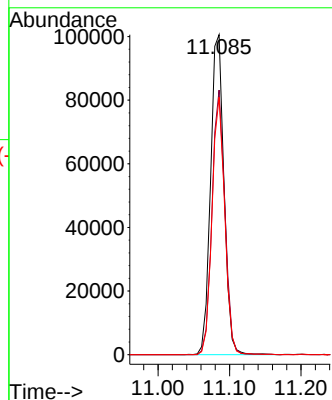
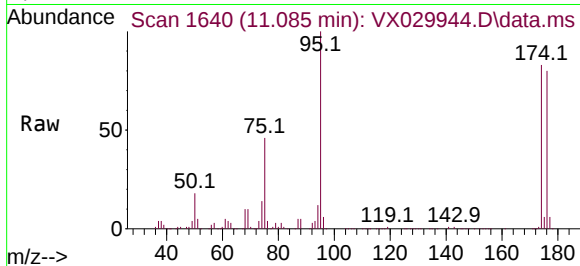




#62
4-Bromofluorobenzene
Concen: 44.825 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

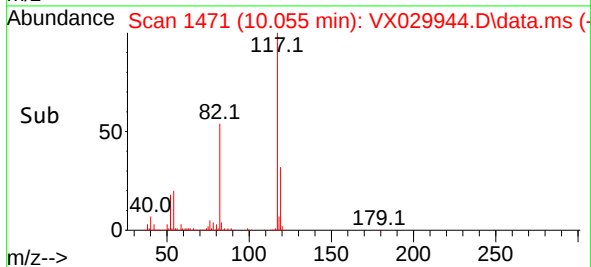
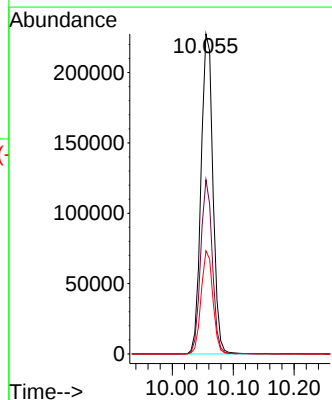
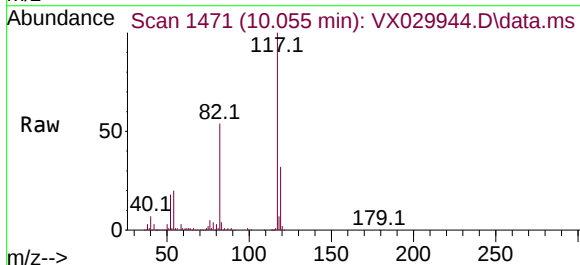
Instrument :
MSVOA_X
ClientSampleId :
MID0722

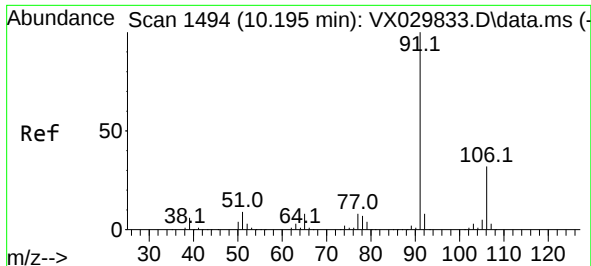
Tgt Ion: 95 Resp: 130890
Ion Ratio Lower Upper
95 100
174 79.1 0.0 149.0
176 76.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 117 Resp: 308158
Ion Ratio Lower Upper
117 100
82 54.5 42.7 64.1
119 32.2 25.4 38.2

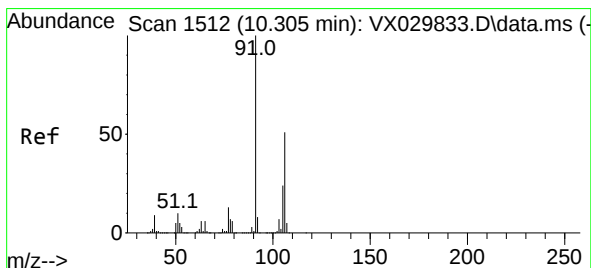
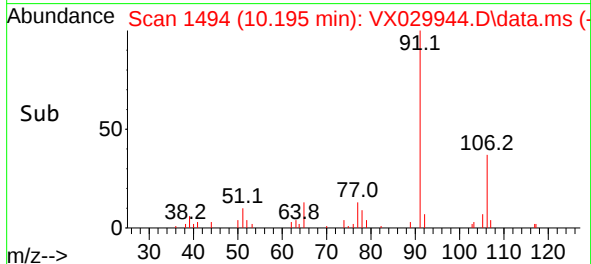
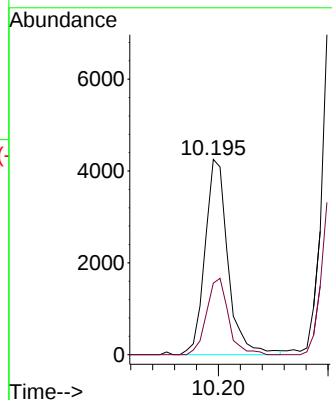
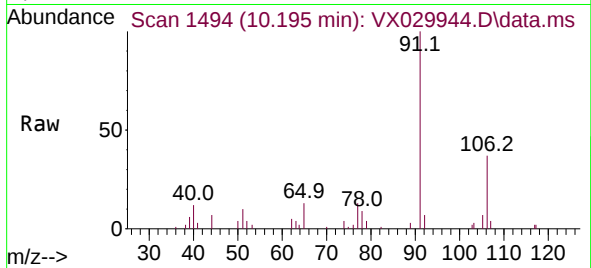




#67
Ethyl Benzene
Concen: 0.575 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

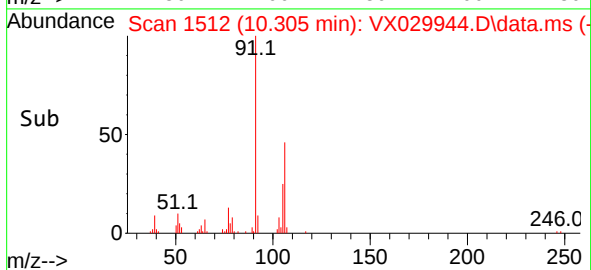
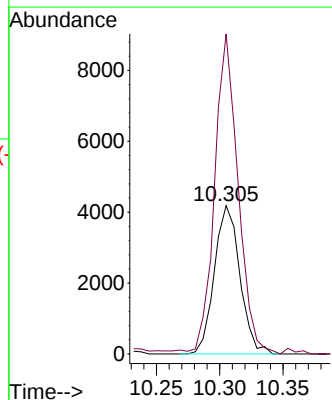
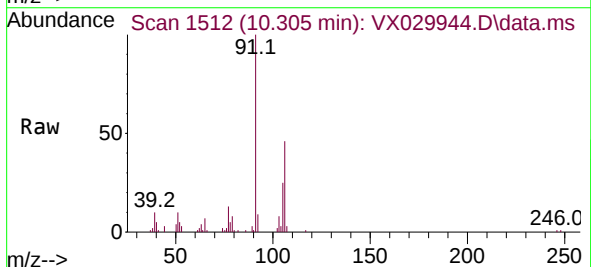
Instrument :
MSVOA_X
ClientSampleId :
MID0722

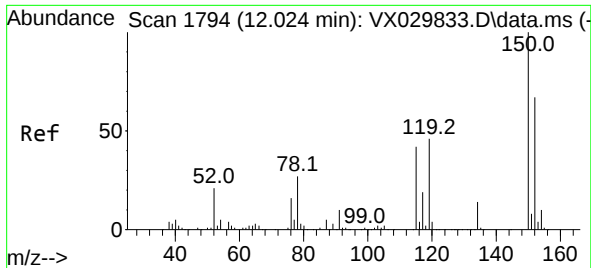
Tgt Ion: 91 Resp: 6182
Ion Ratio Lower Upper
91 100
106 36.7 25.5 38.3



#68
m/p-Xylenes
Concen: 1.419 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 106 Resp: 5855
Ion Ratio Lower Upper
106 100
91 199.3 158.2 237.4

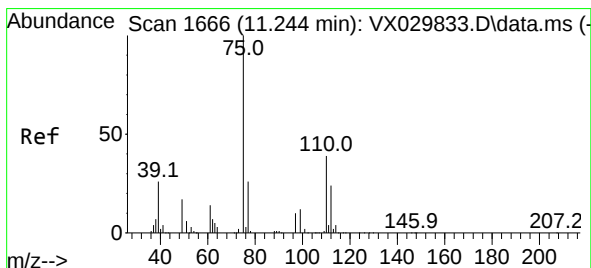
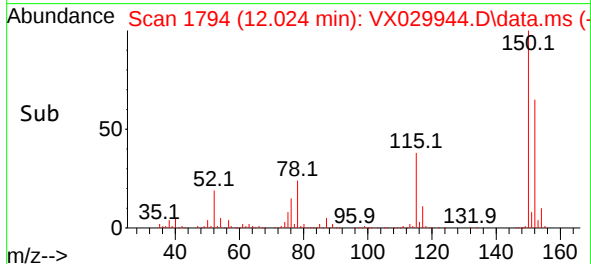
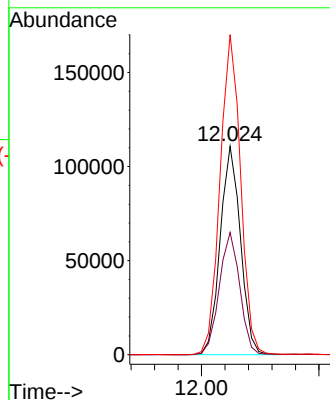
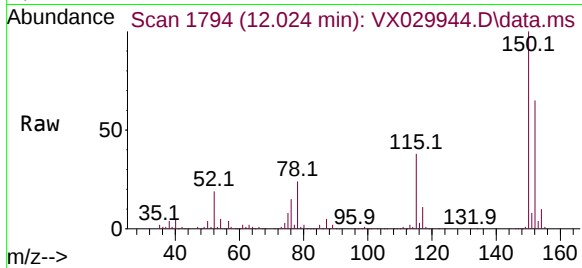




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

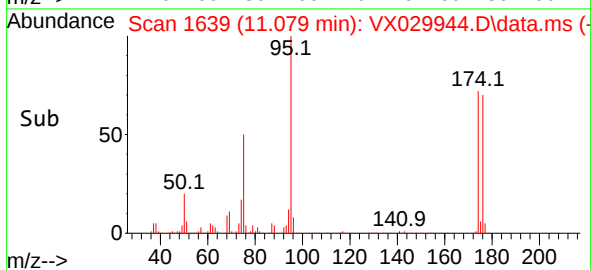
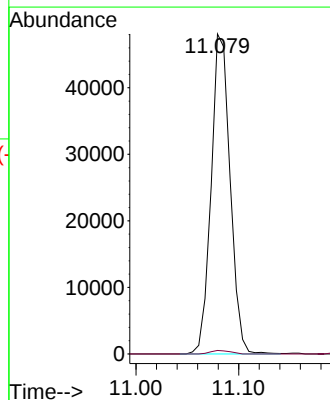
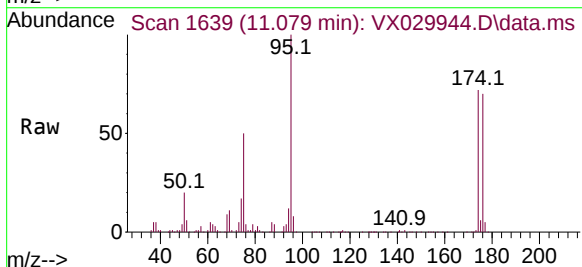
Instrument :
MSVOA_X
ClientSampleId :
MID0722

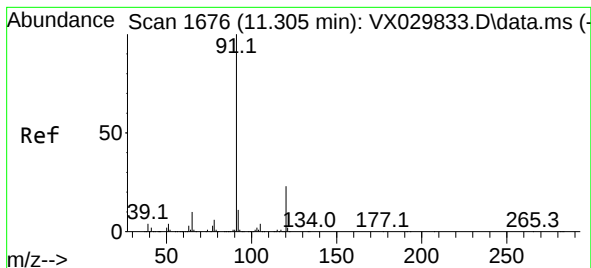
Tgt Ion:152 Resp: 132988
Ion Ratio Lower Upper
152 100
115 59.3 40.5 121.5
150 155.6 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 19.379 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX029944.D
Acq: 06 Jul 2022 15:17

Tgt Ion: 75 Resp: 61695
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#





#78

n-propylbenzene

Concen: 0.202 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX029944.D

Acq: 06 Jul 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

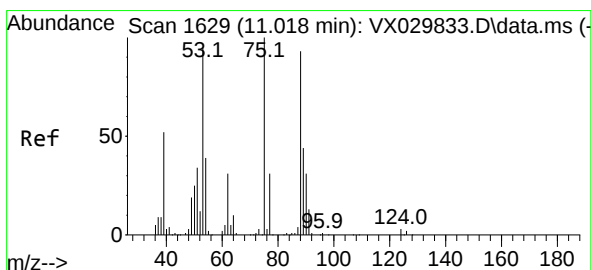
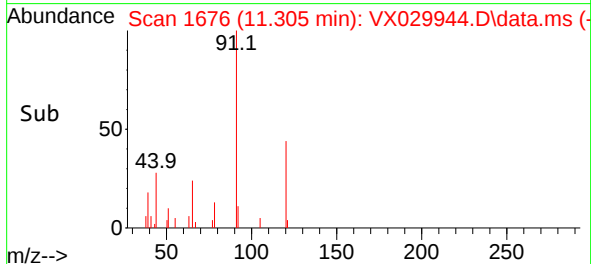
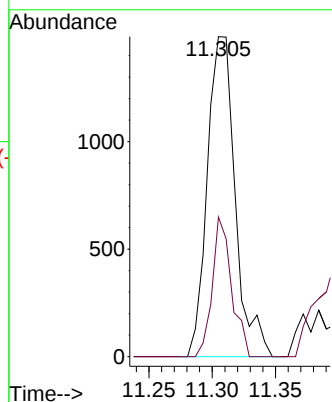
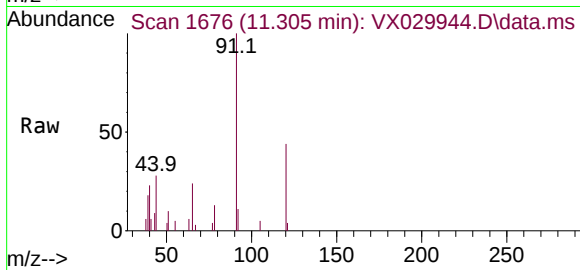
MID0722

Tgt Ion: 91 Resp: 2288

Ion Ratio Lower Upper

91 100

120 30.0 11.6 34.8



#81

trans-1,4-Dichloro-2-butene

Concen: 61.544 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX029944.D

Acq: 06 Jul 2022 15:17

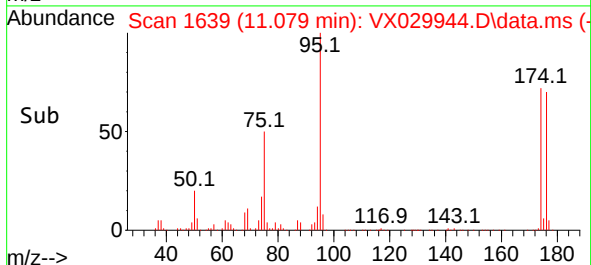
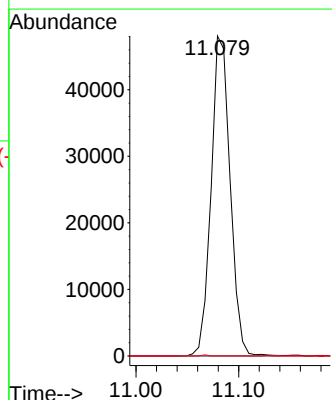
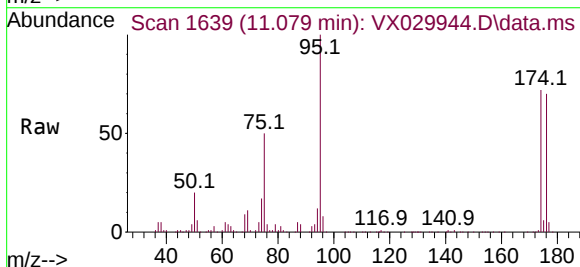
Tgt Ion: 75 Resp: 61695

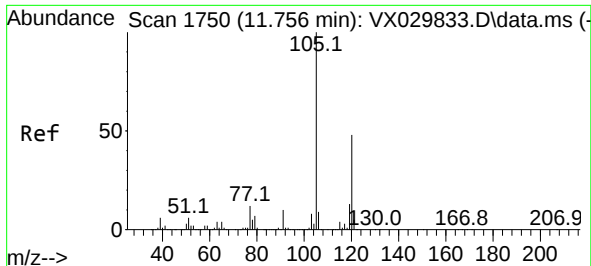
Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.1 34.8 52.2#

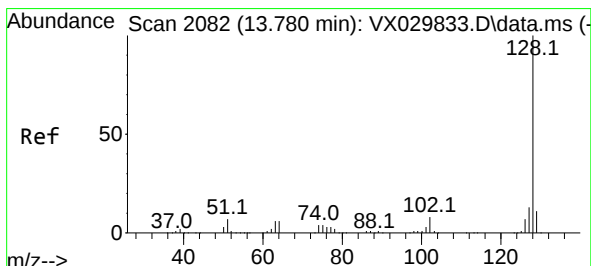
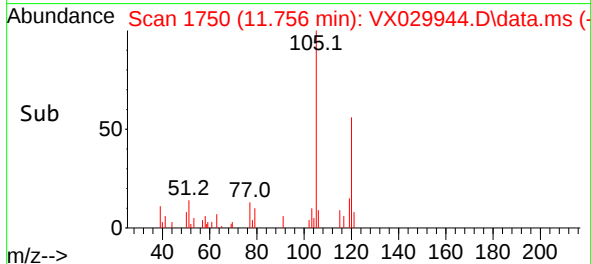
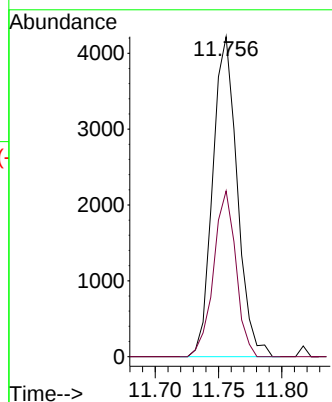
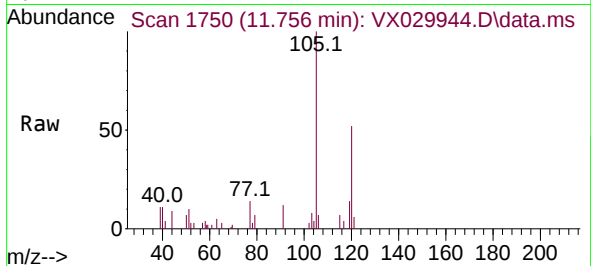




#84
 1,2,4-Trimethylbenzene
 Concen: 0.709 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029944.D
 Acq: 06 Jul 2022 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 MID0722

Tgt Ion:105 Resp: 5675
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.9 68.8



#95
 Naphthalene
 Concen: 0.505 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX029944.D
 Acq: 06 Jul 2022 15:17

Tgt Ion:128 Resp: 5419
 Ion Ratio Lower Upper
 128 100
 127 10.0 10.2 15.2#
 129 11.2 8.6 13.0

