

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
 Data File : VX031493.D
 Acq On : 20 Sep 2022 14:13
 Operator : JC/MD
 Sample : N4655-01
 Misc : 5.10G/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-3-091522

Quant Time: Sep 21 04:54:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

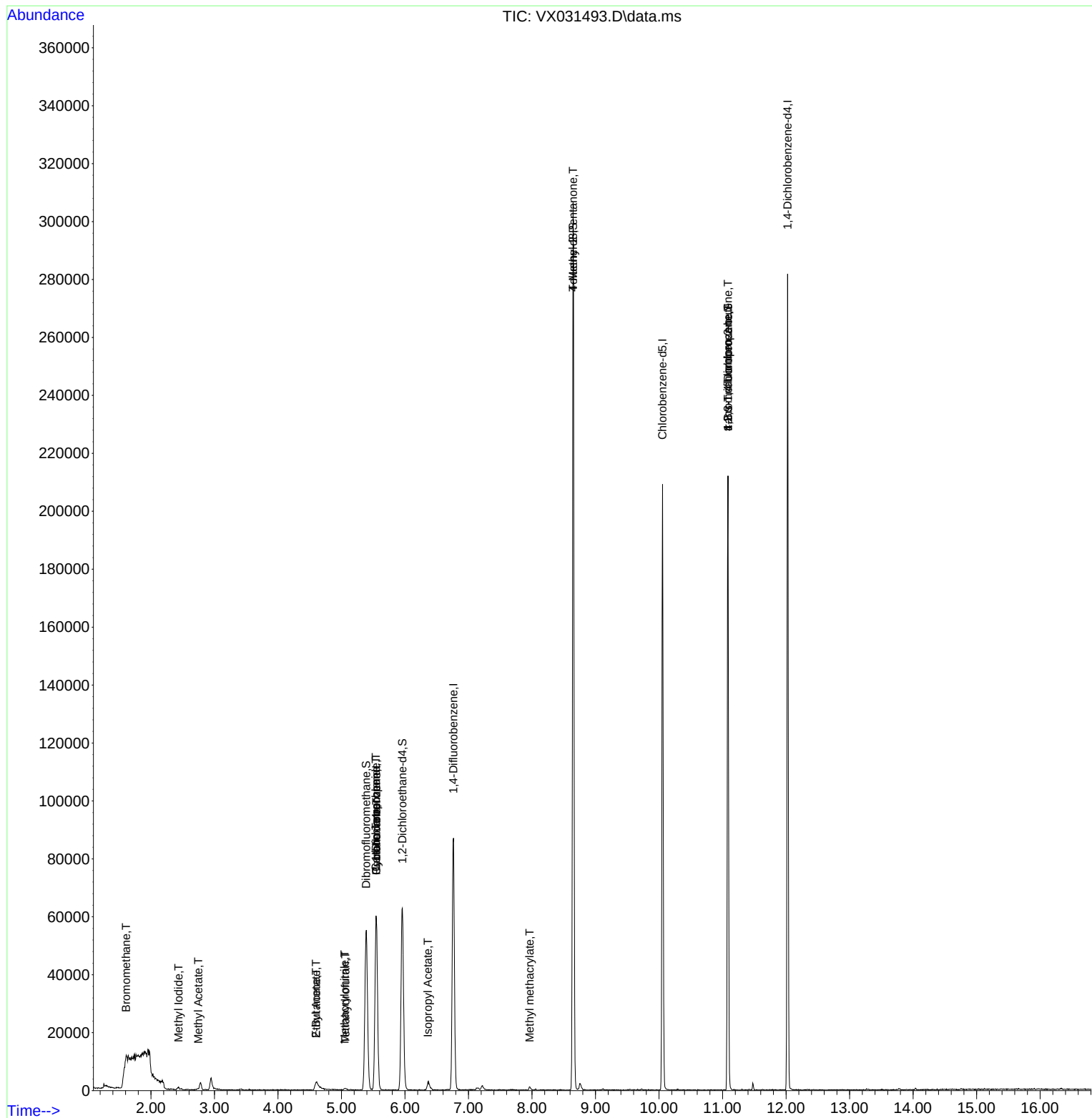
Internal Standards						
1) Pentafluorobenzene	5.549	168	58130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	89537	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	90087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58445	54.825	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.640%	
35) Dibromofluoromethane	5.385	113	46312	50.043	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.080%	
50) Toluene-d8	8.646	98	176462	49.467	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.940%	
62) 4-Bromofluorobenzene	11.085	95	50911	42.133	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 84.260%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	1303	0.724	ug/l	83
6) Chloroethane	1.690	64	202	Below Cal		99
10) Methyl Iodide	2.434	142	566	0.625	ug/l #	71
11) Tert butyl alcohol	2.940	59	2502	Below Cal	#	73
13) Acrolein	2.154	56	89	Below Cal	#	51
16) Acetone	2.410	43	407	Below Cal	#	45
18) Methyl Acetate	2.745	43	792	0.497	ug/l #	64
20) Methylene Chloride	2.782	84	1275	Below Cal		93
25) 2-Butanone	4.598	43	8115	9.860	ug/l	97
29) Tetrahydrofuran	5.062	42	397	0.740	ug/l #	72
31) Cyclohexane	5.549	56	1406	0.889	ug/l #	57
36) 1,1-Dichloropropene	5.543	75	4807	3.378	ug/l #	51
37) Ethyl Acetate	4.598	43	8115	4.780	ug/l #	68
38) Carbon Tetrachloride	5.543	117	5477	3.472	ug/l #	19
41) Methacrylonitrile	5.050	41	193	0.228	ug/l #	40
43) Isopropyl Acetate	6.360	43	1445	0.554	ug/l #	61
48) Methyl methacrylate	7.964	41	252	0.211	ug/l #	37
51) 4-Methyl-2-Pentanone	8.646	43	925	0.551	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.085	83	98	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.085	75	29178	23.400	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.085	75	29178	75.344	ug/l #	11

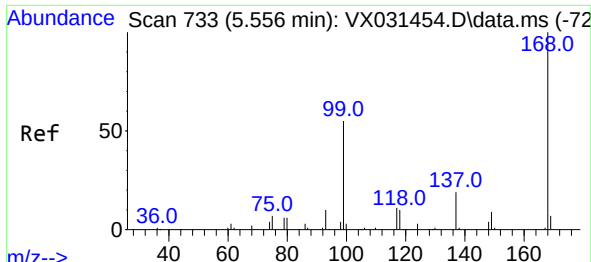
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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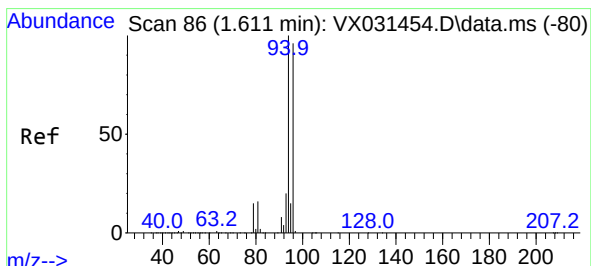
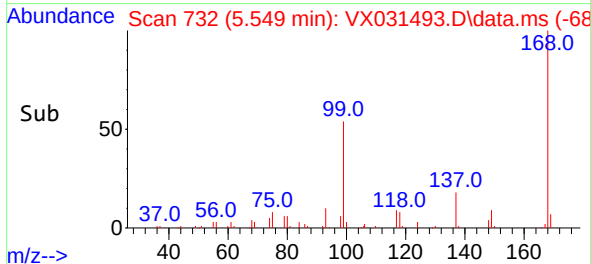
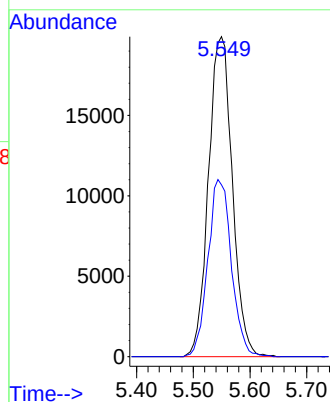
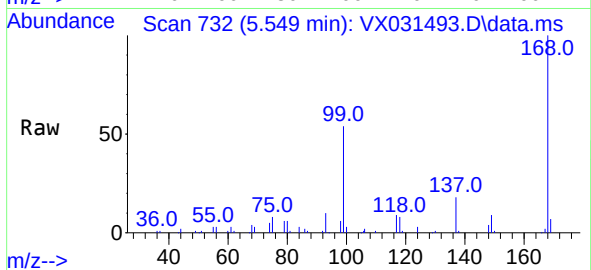




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

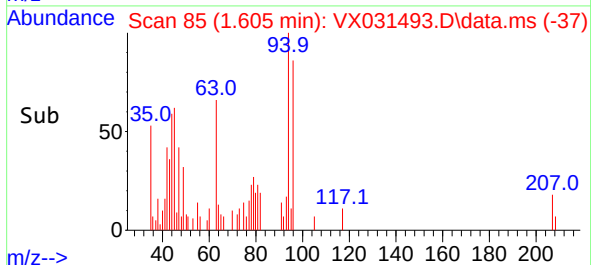
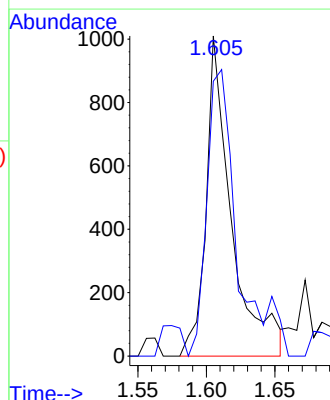
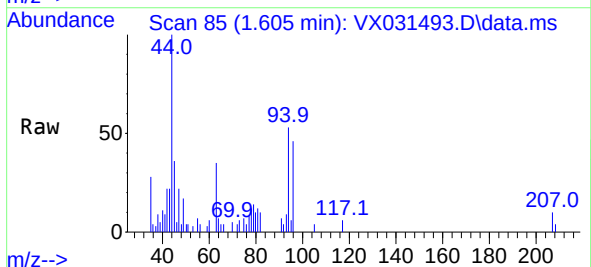
Instrument :
MSVOA_X
ClientSampleId :
SU-3-091522

Tgt Ion:168 Resp: 58130
Ion Ratio Lower Upper
168 100
99 53.7 48.8 73.2

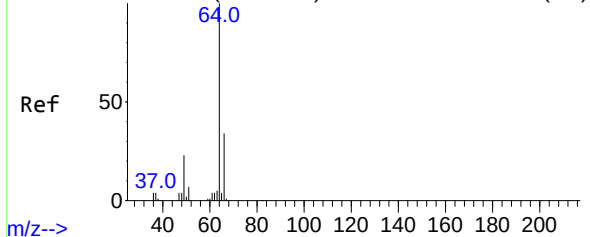


#5
Bromomethane
Concen: 0.724 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.006 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

Tgt Ion: 94 Resp: 1303
Ion Ratio Lower Upper
94 100
96 77.1 74.4 111.6



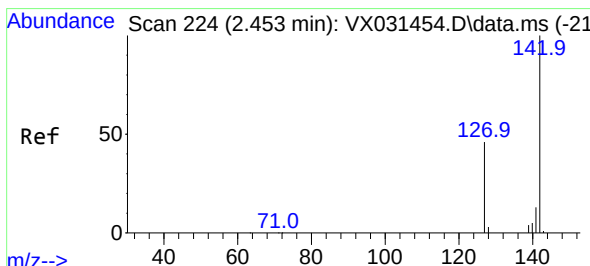
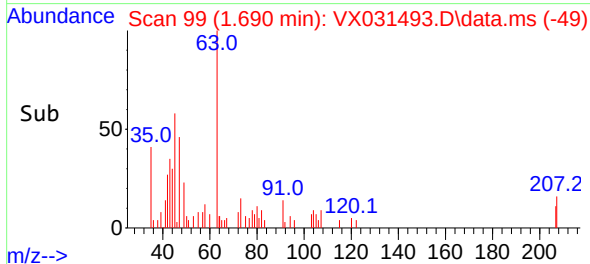
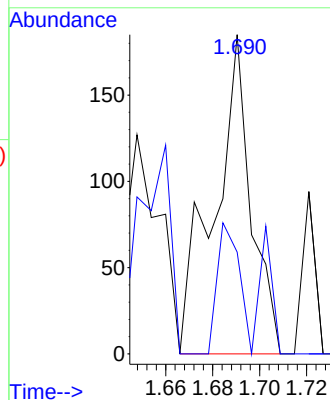
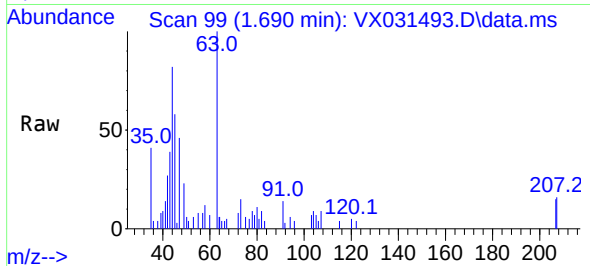
Abundance Scan 98 (1.685 min): VX031454.D\data.ms (-92)



#6
Chloroethane
Concen: Below Cal
RT: 1.690 min Scan# 99
Delta R.T. 0.005 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

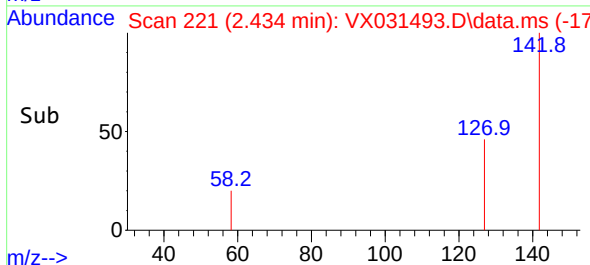
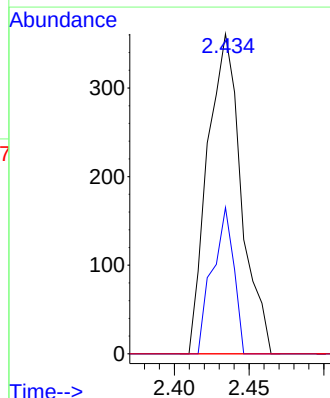
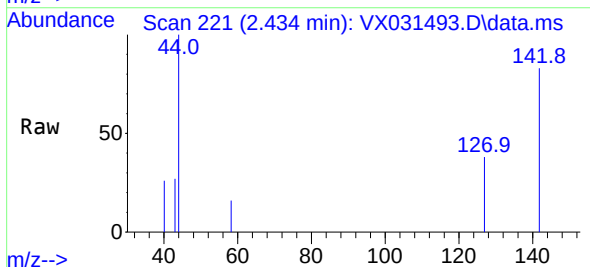
Instrument :
MSVOA_X
ClientSampleId :
SU-3-091522

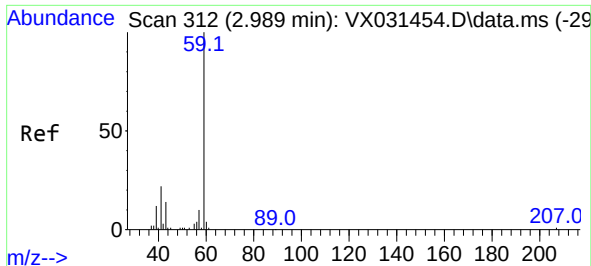
Tgt Ion: 64 Resp: 202
Ion Ratio Lower Upper
64 100
66 31.9 25.0 37.4



#10
Methyl Iodide
Concen: 0.625 ug/l
RT: 2.434 min Scan# 221
Delta R.T. -0.019 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

Tgt Ion: 142 Resp: 566
Ion Ratio Lower Upper
142 100
127 29.0 37.4 56.0#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 304

Delta R.T. -0.049 min

Lab File: VX031493.D

Acq: 20 Sep 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

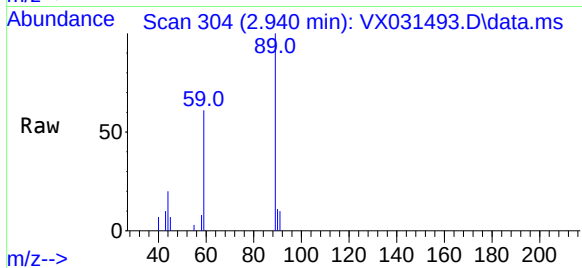
SU-3-091522

Tgt Ion: 59 Resp: 2502

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance

1000

800

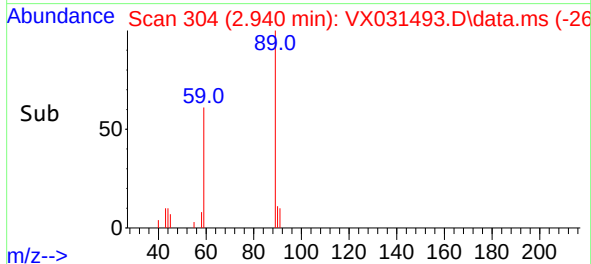
600

400

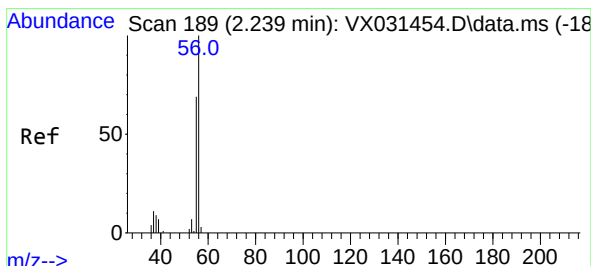
200

0

Time-->



Time-->



#13

Acrolein

Concen: Below Cal

RT: 2.154 min Scan# 175

Delta R.T. -0.085 min

Lab File: VX031493.D

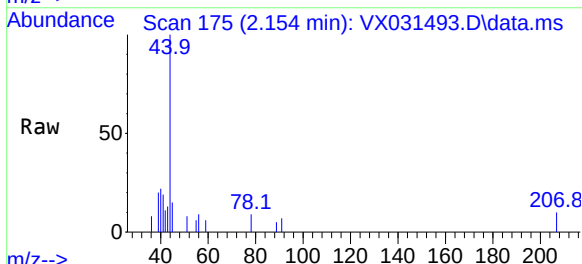
Acq: 20 Sep 2022 14:13

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 110.1 56.0 84.0#



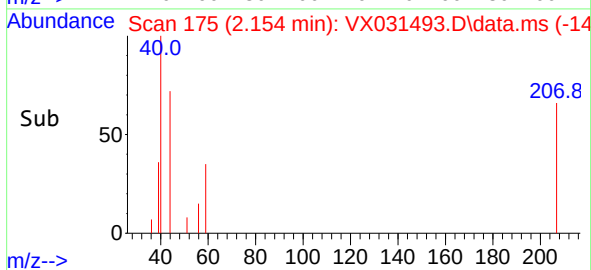
Abundance

100

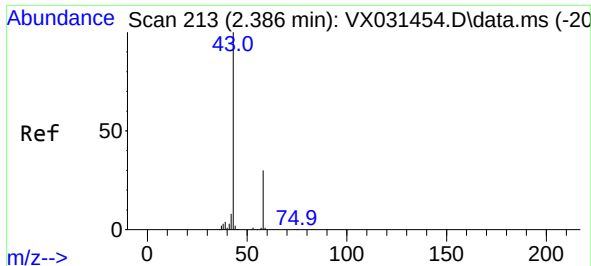
50

0

Time-->



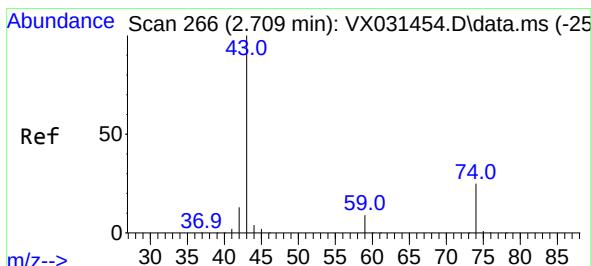
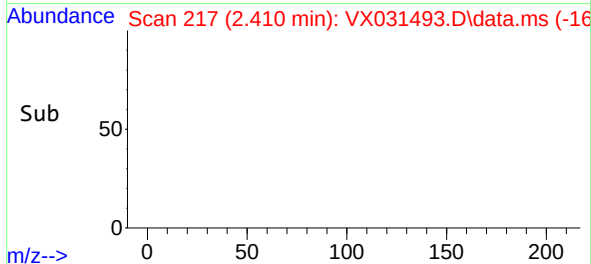
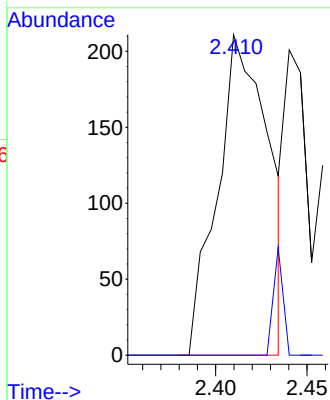
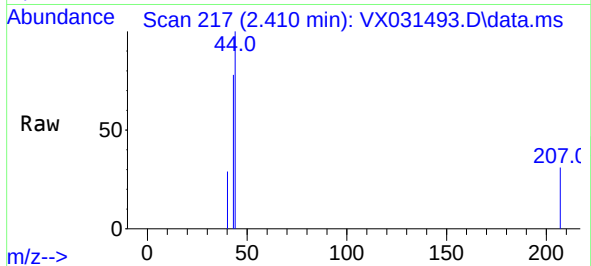
Time-->



#16
Acetone
Concen: Below Cal
RT: 2.410 min Scan# 213
Delta R.T. 0.024 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

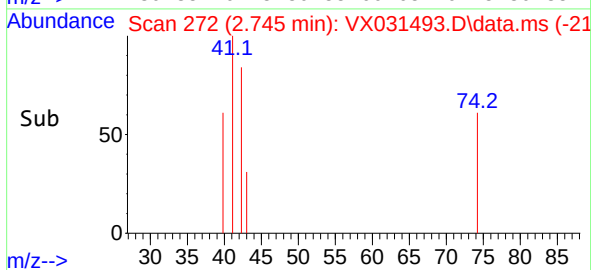
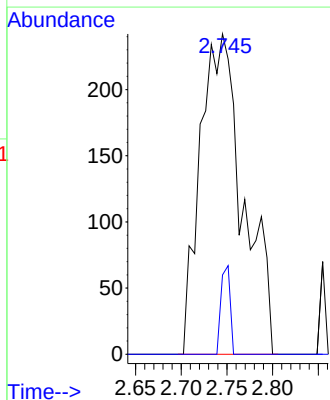
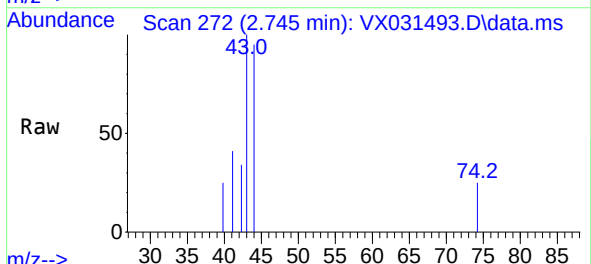
Instrument :
MSVOA_X
ClientSampleId :
SU-3-091522

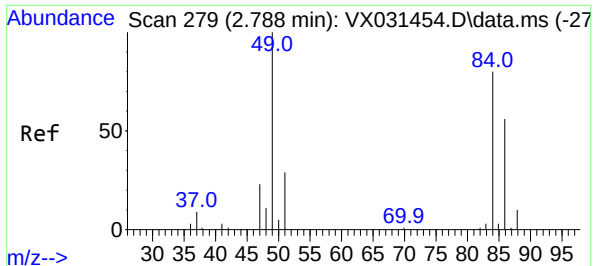
Tgt Ion: 43 Resp: 407
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#18
Methyl Acetate
Concen: 0.497 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.036 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

Tgt Ion: 43 Resp: 792
Ion Ratio Lower Upper
43 100
74 5.8 18.6 27.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX031493.D

Acq: 20 Sep 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

SU-3-091522

Tgt Ion: 84 Resp: 1275

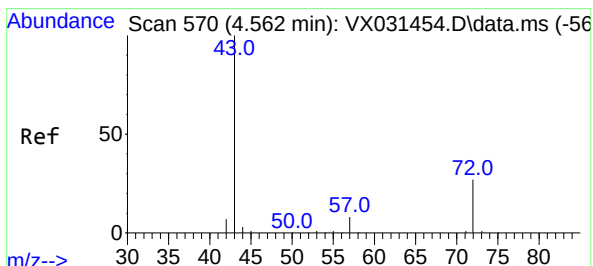
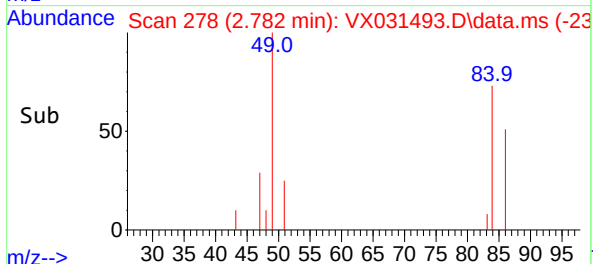
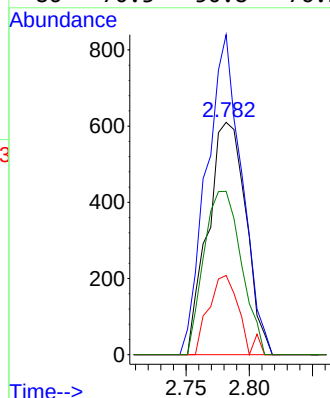
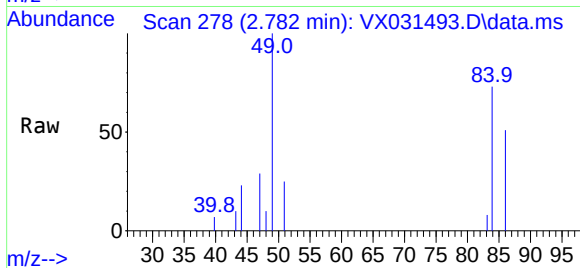
Ion Ratio Lower Upper

84 100

49 137.7 105.9 158.9

51 34.1 32.2 48.2

86 70.3 50.8 76.2



#25

2-Butanone

Concen: 9.860 ug/l

RT: 4.598 min Scan# 576

Delta R.T. 0.036 min

Lab File: VX031493.D

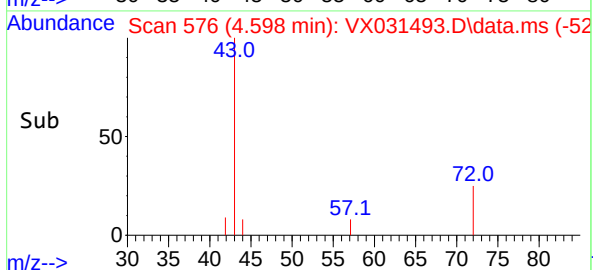
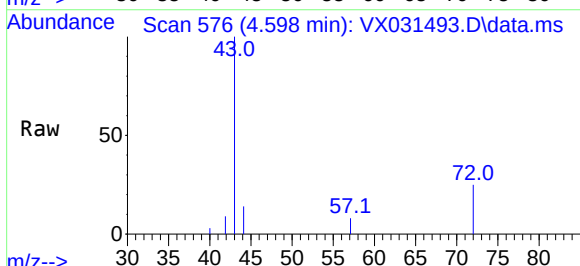
Acq: 20 Sep 2022 14:13

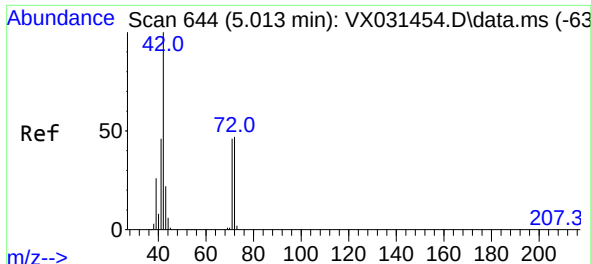
Tgt Ion: 43 Resp: 8115

Ion Ratio Lower Upper

43 100

72 24.9 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.740 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX031493.D

Acq: 20 Sep 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

SU-3-091522

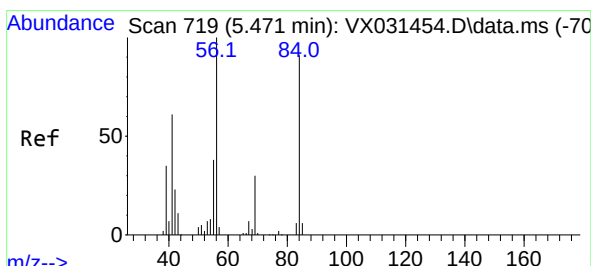
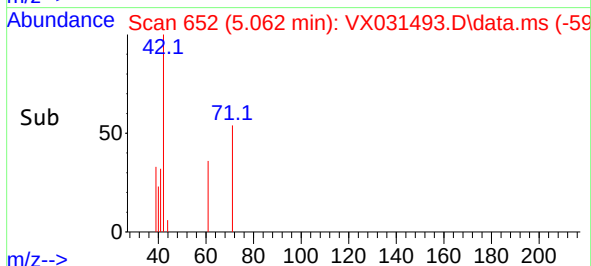
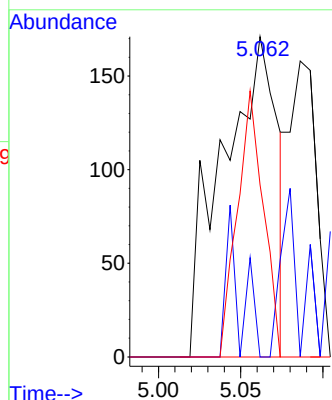
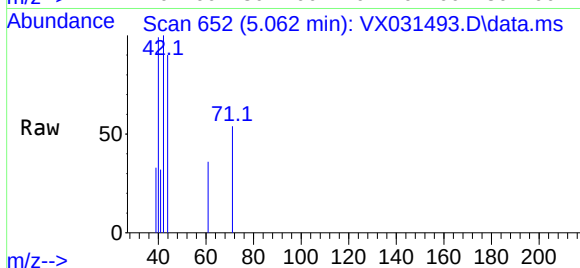
Tgt Ion: 42 Resp: 397

Ion Ratio Lower Upper

42 100

72 12.3 36.4 54.6#

71 39.5 33.5 50.3



#31

Cyclohexane

Concen: 0.889 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.078 min

Lab File: VX031493.D

Acq: 20 Sep 2022 14:13

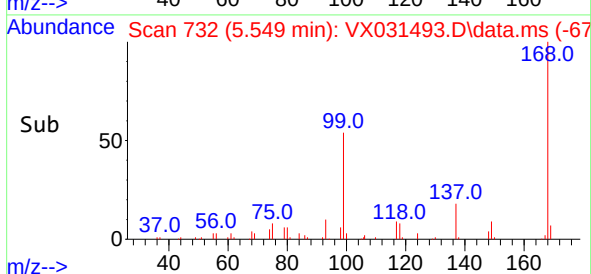
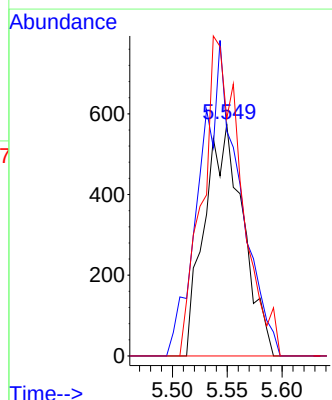
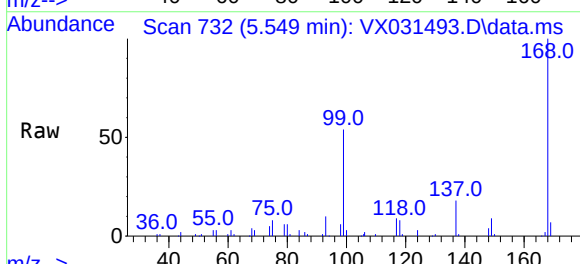
Tgt Ion: 56 Resp: 1406

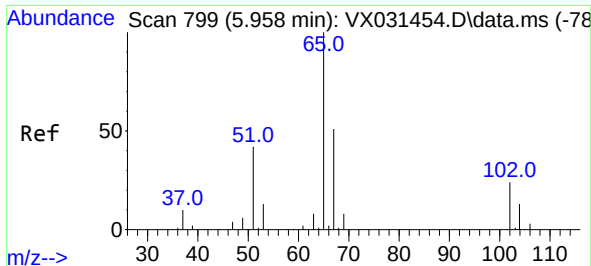
Ion Ratio Lower Upper

56 100

69 97.0 25.1 37.7#

84 102.4 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 54.825 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX031493.D

Acq: 20 Sep 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

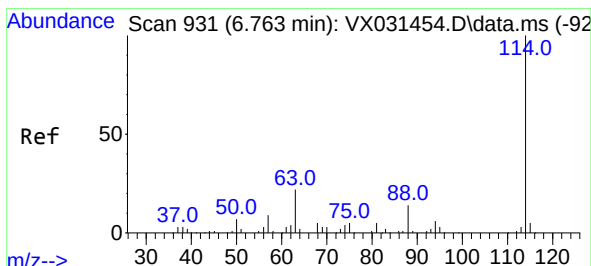
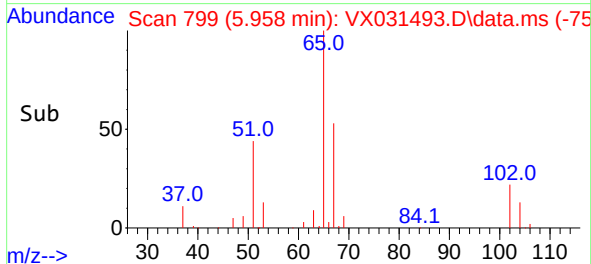
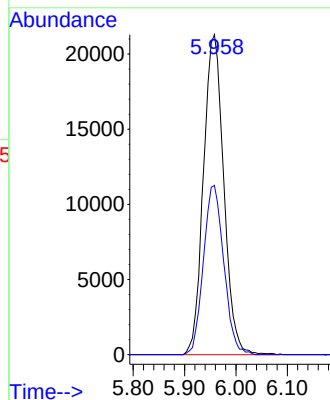
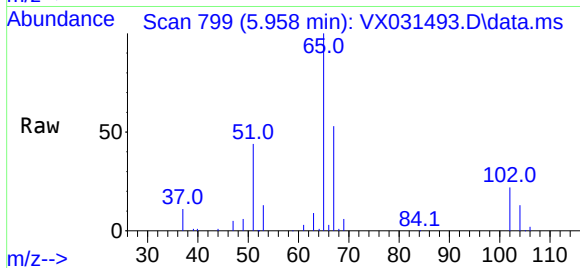
SU-3-091522

Tgt Ion: 65 Resp: 58445

Ion Ratio Lower Upper

65 100

67 53.0 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031493.D

Acq: 20 Sep 2022 14:13

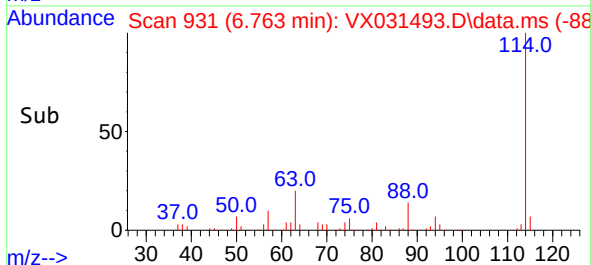
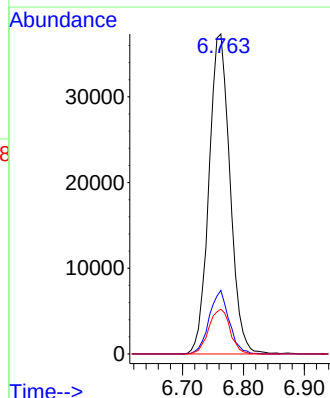
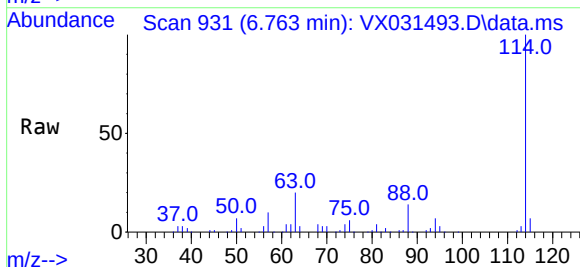
Tgt Ion: 114 Resp: 89537

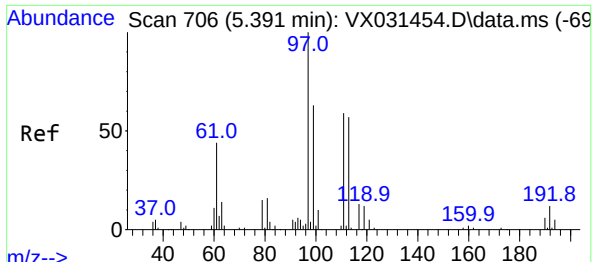
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

88 14.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.043 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX031493.D

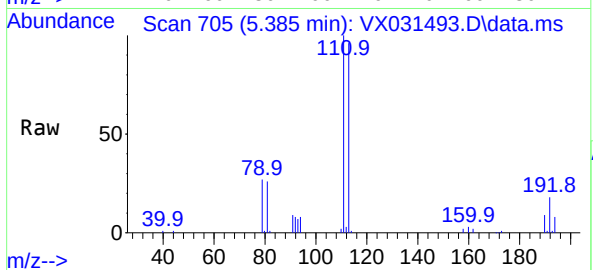
Acq: 20 Sep 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

SU-3-091522



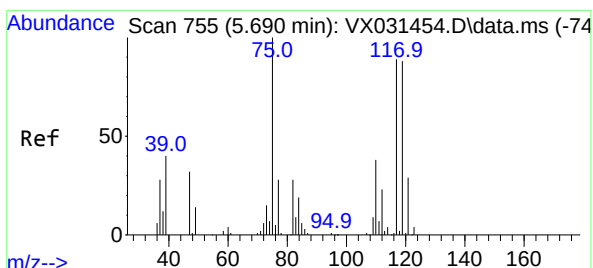
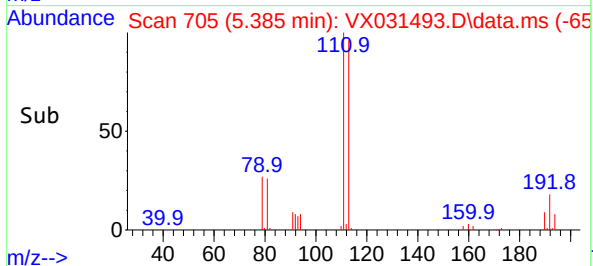
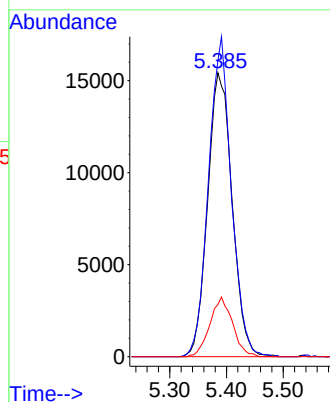
Tgt Ion:113 Resp: 46312

Ion Ratio Lower Upper

113 100

111 105.0 82.4 123.6

192 19.4 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.378 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.147 min

Lab File: VX031493.D

Acq: 20 Sep 2022 14:13

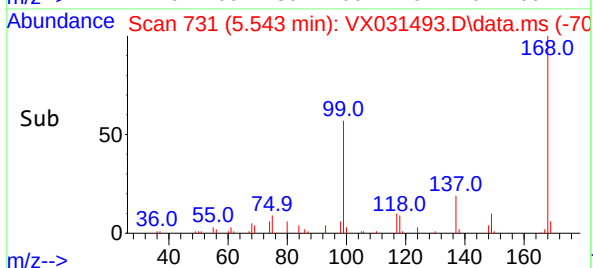
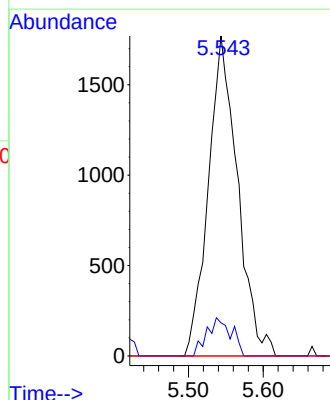
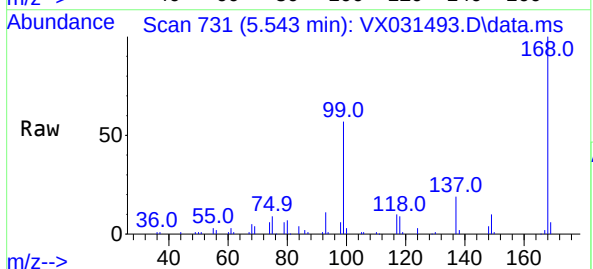
Tgt Ion: 75 Resp: 4807

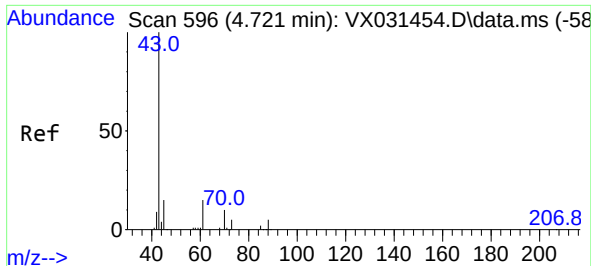
Ion Ratio Lower Upper

75 100

110 10.0 17.5 52.5#

77 0.0 24.9 37.3#

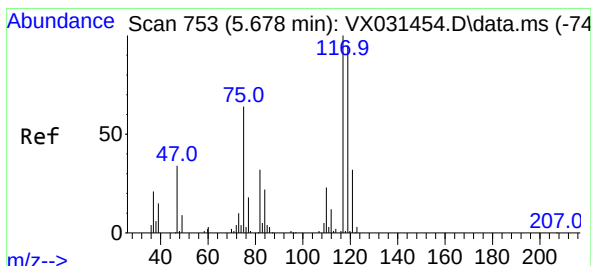
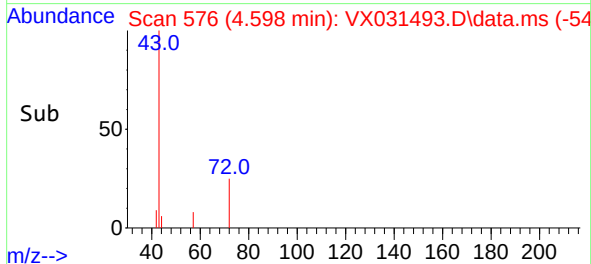
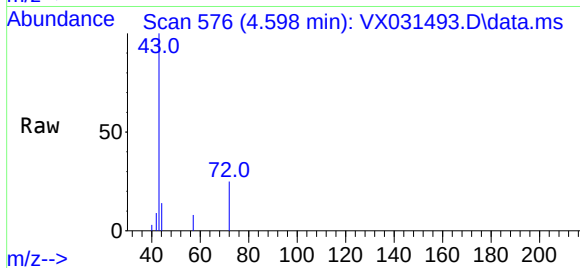




#37
Ethyl Acetate
Concen: 4.780 ug/l
RT: 4.598 min Scan# 51
Delta R.T. -0.123 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

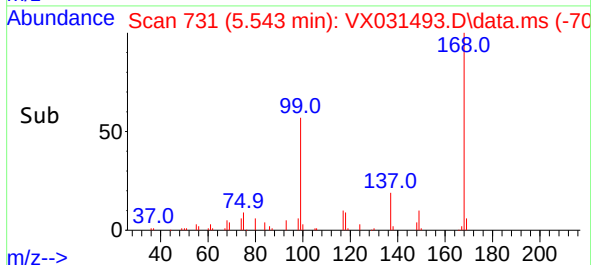
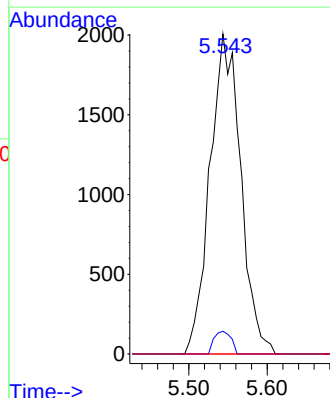
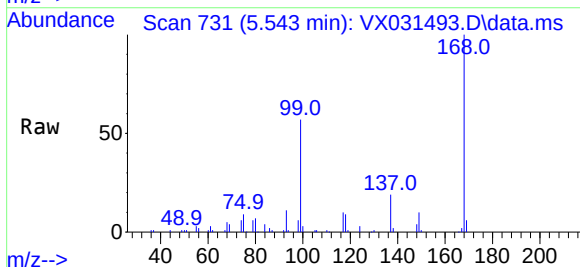
Instrument :
MSVOA_X
ClientSampleId :
SU-3-091522

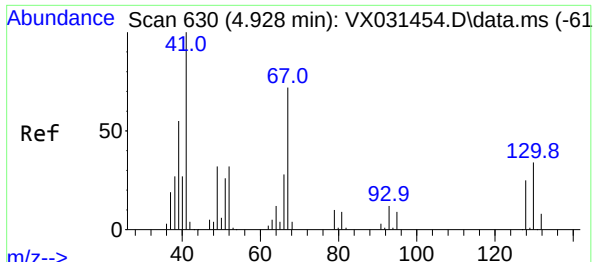
Tgt Ion: 43 Resp: 8115
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 3.472 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.135 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

Tgt Ion: 117 Resp: 5477
Ion Ratio Lower Upper
117 100
119 7.1 74.6 112.0#
121 0.0 25.3 37.9#

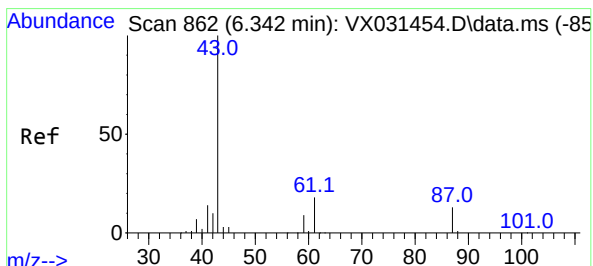
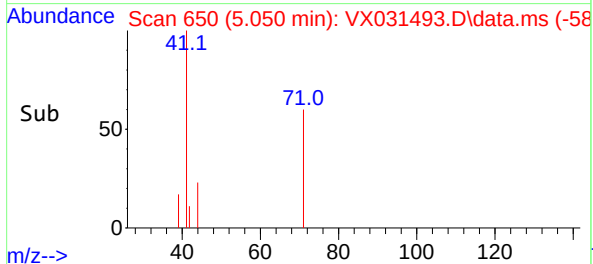
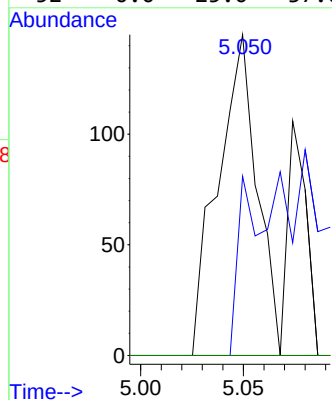
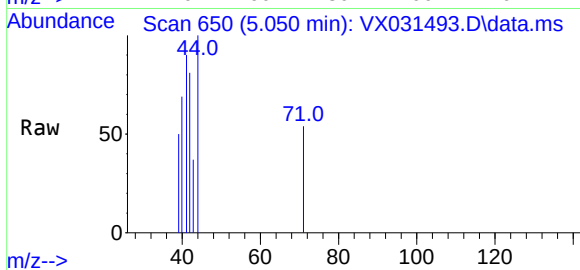




#41
Methacrylonitrile
Concen: 0.228 ug/l
RT: 5.050 min Scan# 61
Delta R.T. 0.122 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

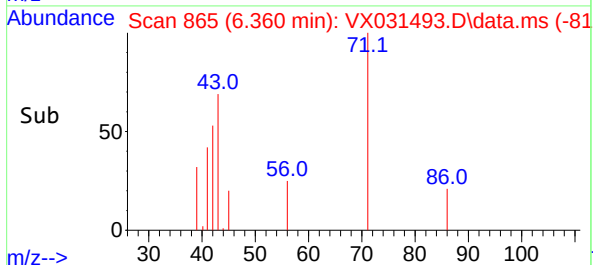
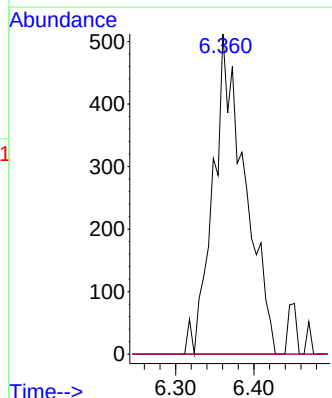
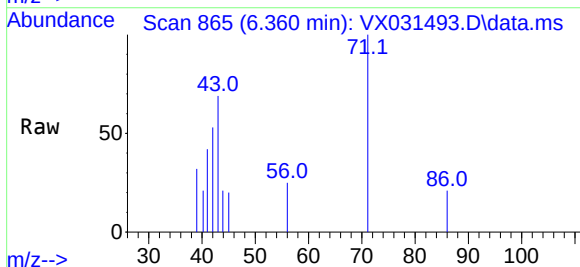
Instrument :
MSVOA_X
ClientSampleId :
SU-3-091522

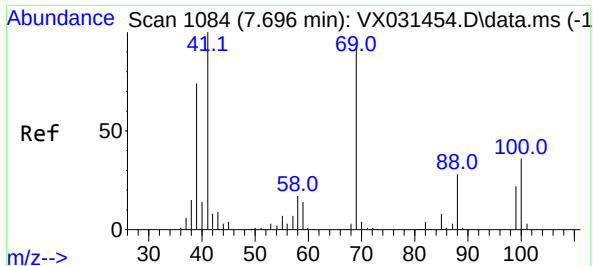
Tgt Ion:	41	Resp:	193
Ion	Ratio	Lower	Upper
41	100		
39	36.3	45.0	67.6#
67	0.0	58.2	87.4#
52	0.0	25.0	37.6#



#43
Isopropyl Acetate
Concen: 0.554 ug/l
RT: 6.360 min Scan# 865
Delta R.T. 0.018 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

Tgt Ion:	43	Resp:	1445
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.3	22.9#
87	0.0	10.6	15.8#





#48

Methyl methacrylate

Concen: 0.211 ug/l

RT: 7.964 min Scan# 1128

Delta R.T. 0.268 min

Lab File: VX031493.D

Acq: 20 Sep 2022 14:13

Instrument :

MSVOA_X

ClientSampleId :

SU-3-091522

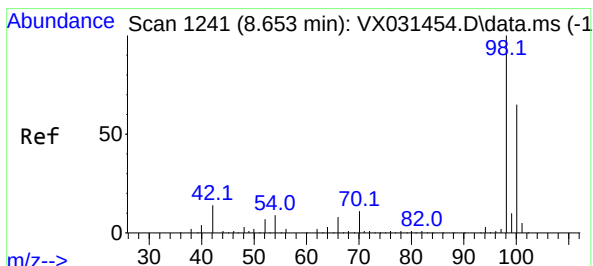
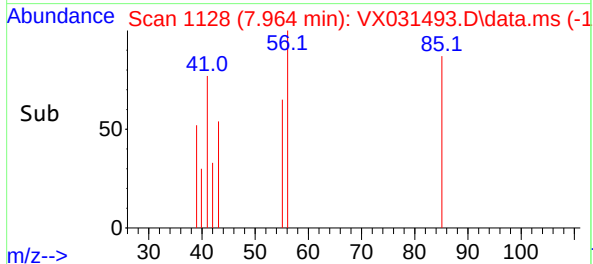
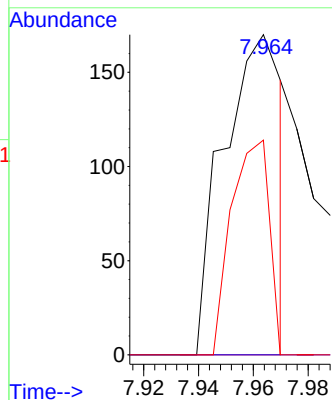
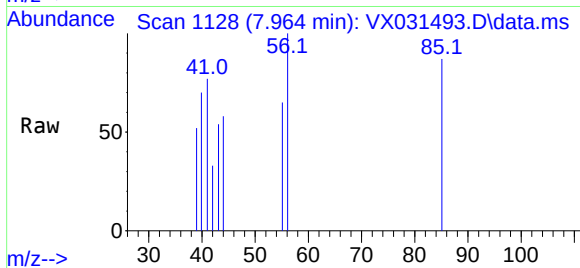
Tgt Ion: 41 Resp: 252

Ion Ratio Lower Upper

41 100

69 0.0 64.6 96.8#

39 43.3 51.4 77.0#



#50

Toluene-d8

Concen: 49.467 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.007 min

Lab File: VX031493.D

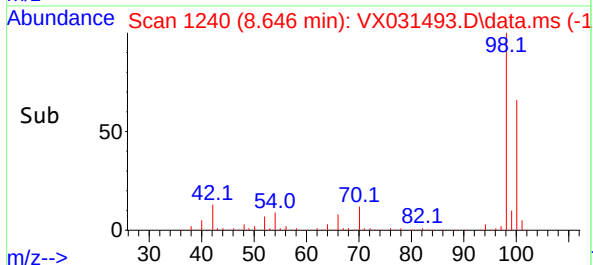
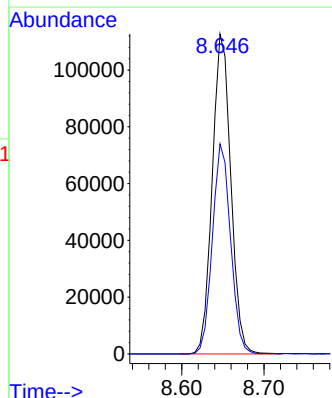
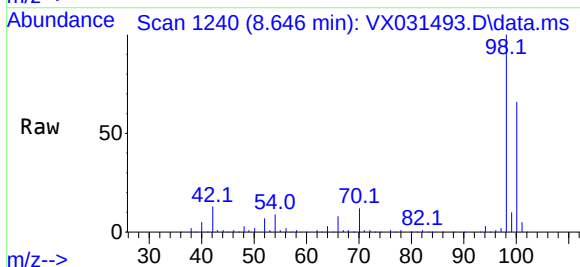
Acq: 20 Sep 2022 14:13

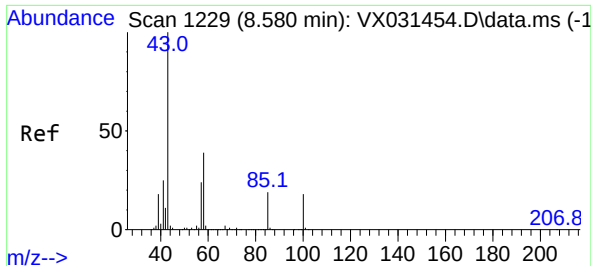
Tgt Ion: 98 Resp: 176462

Ion Ratio Lower Upper

98 100

100 64.4 52.5 78.7

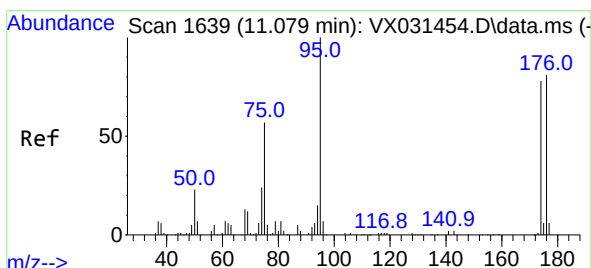
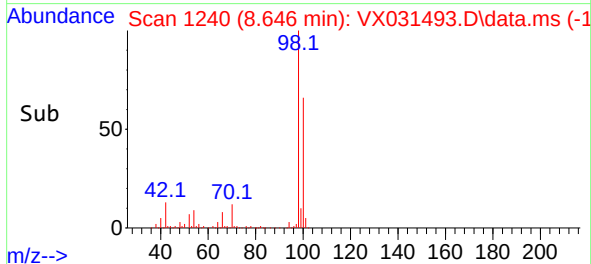
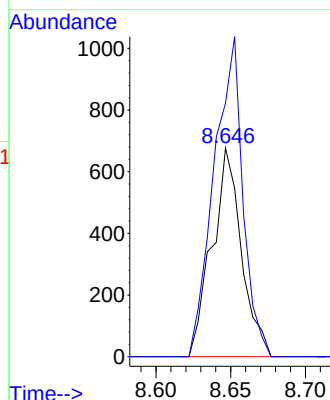
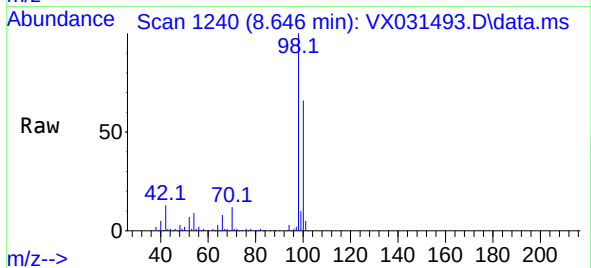




#51
4-Methyl-2-Pentanone
Concen: 0.551 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.066 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

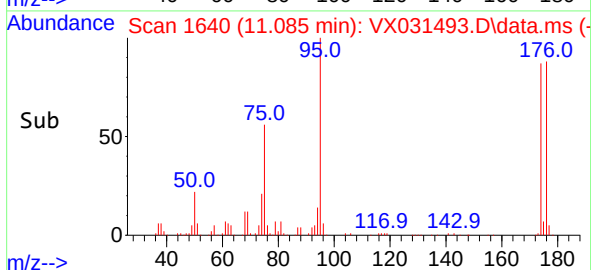
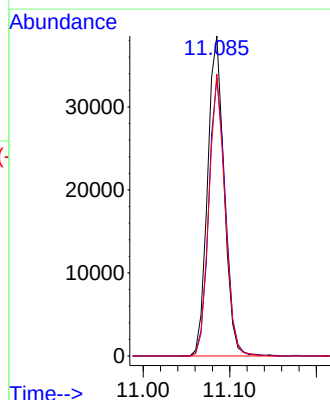
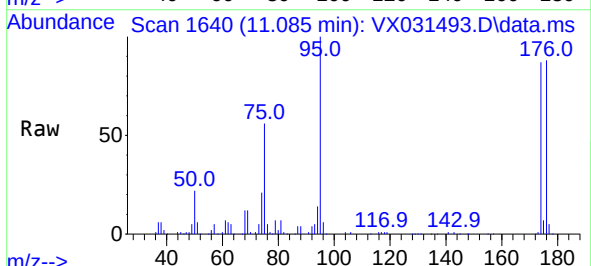
Instrument :
MSVOA_X
ClientSampleId :
SU-3-091522

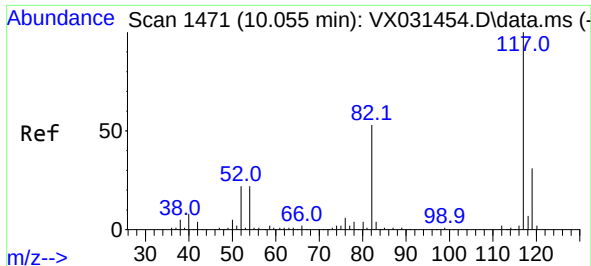
Tgt Ion: 43 Resp: 925
Ion Ratio Lower Upper
43 100
58 150.2 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 42.133 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

Tgt Ion: 95 Resp: 50911
Ion Ratio Lower Upper
95 100
174 87.7 0.0 153.2
176 85.6 0.0 144.0

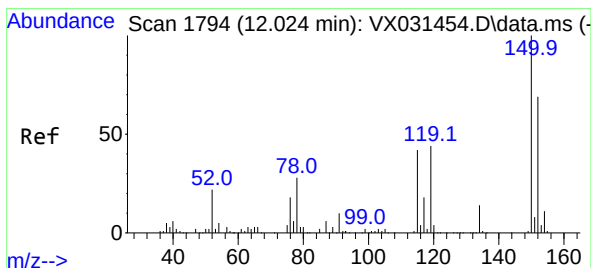
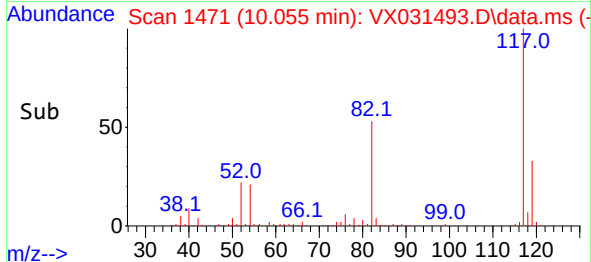
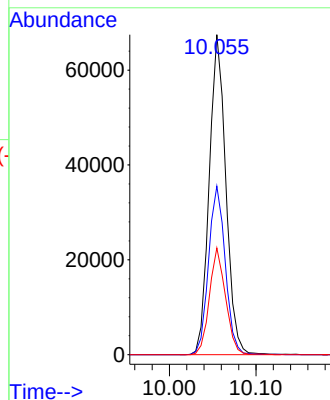
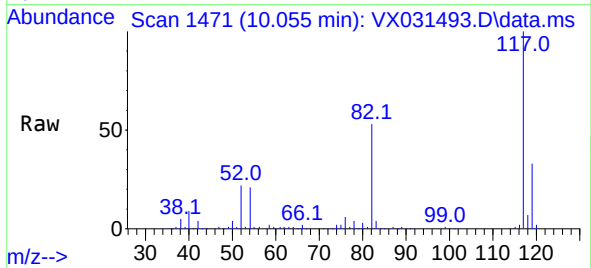




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

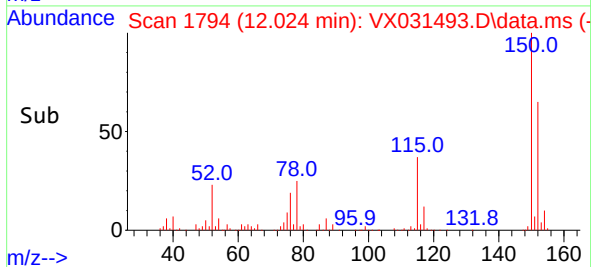
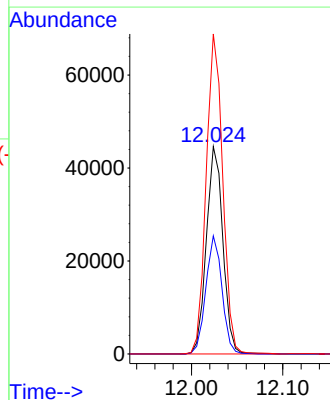
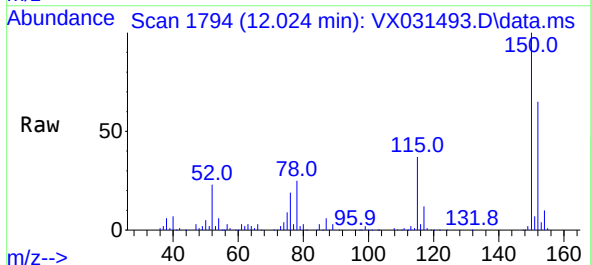
Instrument :
MSVOA_X
ClientSampleId :
SU-3-091522

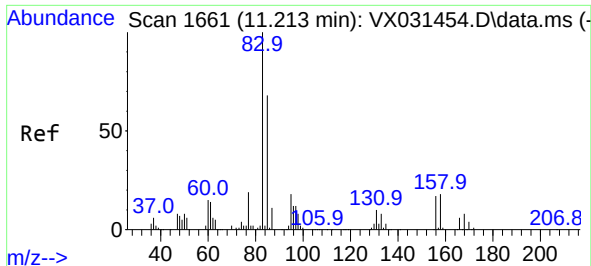
Tgt Ion:	117	Resp:	90087
Ion	Ratio	Lower	Upper
117	100		
82	52.6	46.8	70.2
119	33.4	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

Tgt Ion:	152	Resp:	55869
Ion	Ratio	Lower	Upper
152	100		
115	55.6	43.4	130.1
150	154.0	0.0	346.8

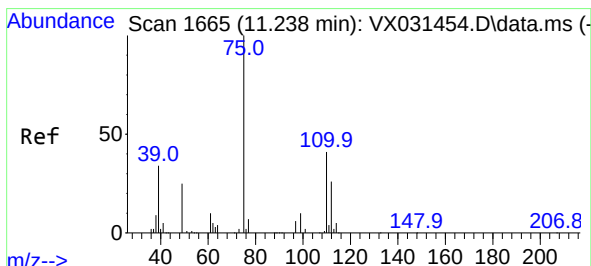
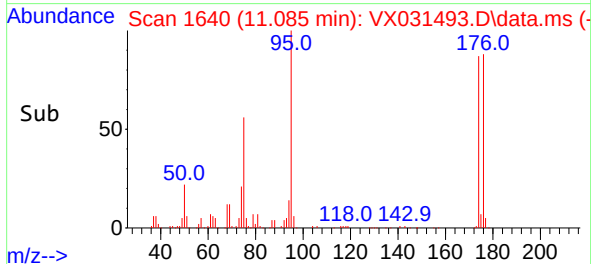
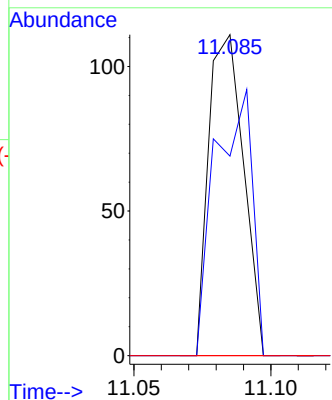
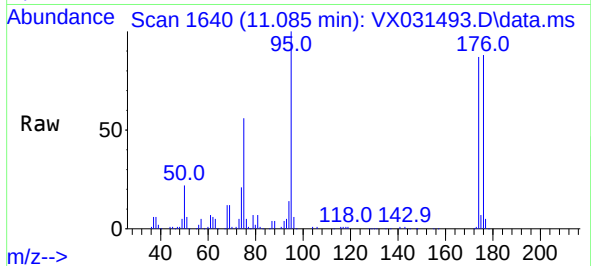




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.085 min Scan# 1640
Delta R.T. -0.128 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

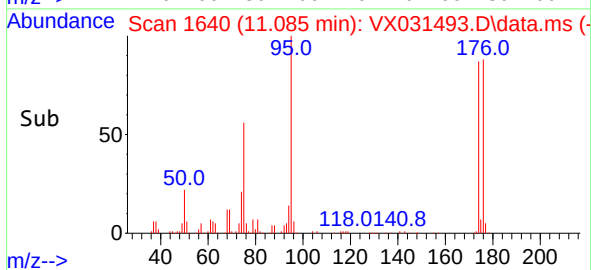
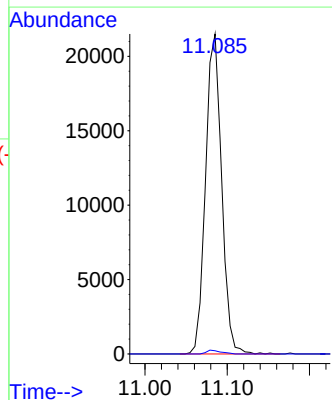
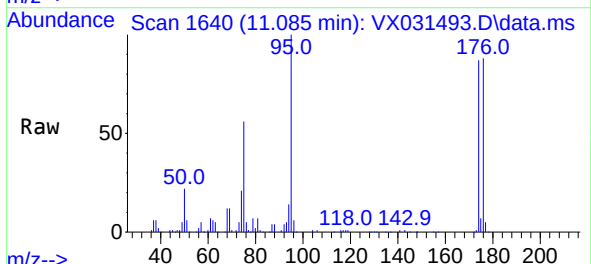
Instrument :
MSVOA_X
ClientSampleId :
SU-3-091522

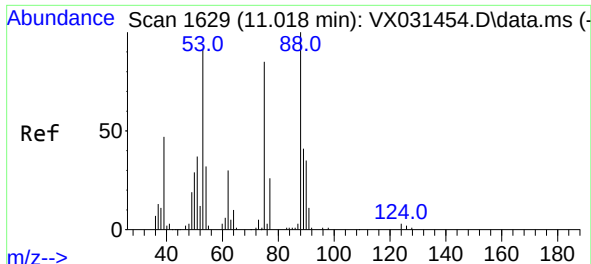
Tgt Ion: 83 Resp: 98
Ion Ratio Lower Upper
83 100
131 87.8 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 23.400 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.153 min
Lab File: VX031493.D
Acq: 20 Sep 2022 14:13

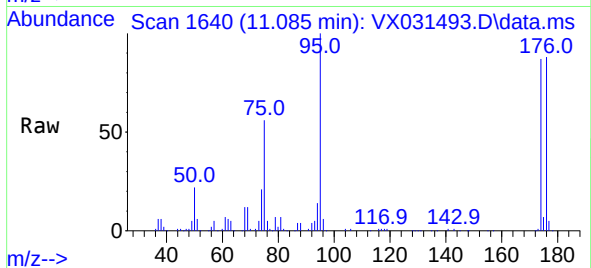
Tgt Ion: 75 Resp: 29178
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.344 ug/l
 RT: 11.085 min Scan# 10
 Delta R.T. 0.067 min
 Lab File: VX031493.D
 Acq: 20 Sep 2022 14:13

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-3-091522



Tgt Ion: 75 Resp: 29178
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

