

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031115.D
 Acq On : 04 Sep 2022 04:45
 Operator : JC/MD
 Sample : N4479-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-8

Quant Time: Sep 06 01:31:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

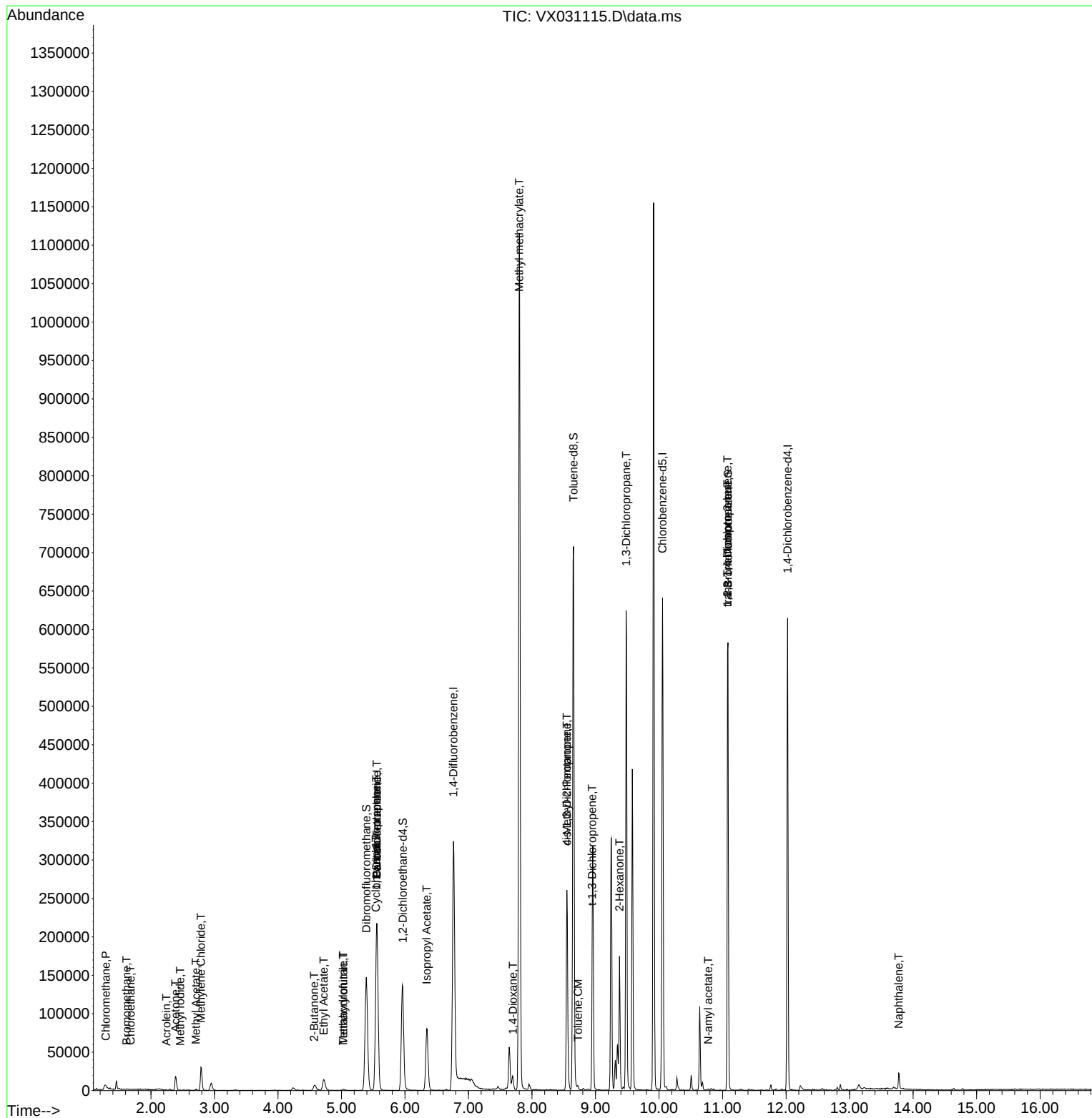
Internal Standards						
1) Pentafluorobenzene	5.556	168	217578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	347014	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	314559	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	134693	48.112	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.220%
35) Dibromofluoromethane	5.391	113	131657	51.989	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.980%
50) Toluene-d8	8.653	98	461821	49.551	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.100%
62) 4-Bromofluorobenzene	11.085	95	159718	48.519	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.040%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	248	0.815	ug/l #	42
5) Bromomethane	1.618	94	328	0.314	ug/l	98
6) Chloroethane	1.679	64	140	1.819	ug/l #	41
10) Methyl Iodide	2.459	142	344	3.037	ug/l #	74
11) Tert butyl alcohol	2.953	59	6517	Below Cal	#	74
13) Acrolein	2.239	56	207	0.404	ug/l	93
16) Acetone	2.386	43	21023	19.452	ug/l	99
18) Methyl Acetate	2.709	43	1657	0.534	ug/l #	57
20) Methylene Chloride	2.788	84	15566	3.899	ug/l #	78
25) 2-Butanone	4.568	43	6711	4.022	ug/l #	88
29) Tetrahydrofuran	5.026	42	633	0.588	ug/l #	54
31) Cyclohexane	5.544	56	3540	0.926	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14539	4.099	ug/l #	48
37) Ethyl Acetate	4.721	43	23383	7.587	ug/l #	91
38) Carbon Tetrachloride	5.556	117	20812	5.652	ug/l #	17
41) Methacrylonitrile	5.026	41	743	0.452	ug/l #	39
43) Isopropyl Acetate	6.342	43	102240	21.226	ug/l #	91
48) Methyl methacrylate	7.799	41	91019	37.430	ug/l #	42
49) 1,4-Dioxane	7.702	88	40	0.541	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	81865	26.438	ug/l #	52
52) Toluene	8.726	92	1524	0.231	ug/l	97
53) t-1,3-Dichloropropene	8.946	75	758	0.210	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	47376	11.723	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	6017	1.355	ug/l #	42
59) 2-Hexanone	9.378	43	103525	44.211	ug/l #	24
74) N-amyl acetate	10.774	43	795	0.235	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	74513	22.702	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	74513	71.346	ug/l #	13
95) Naphthalene	13.774	128	13828	1.099	ug/l	96

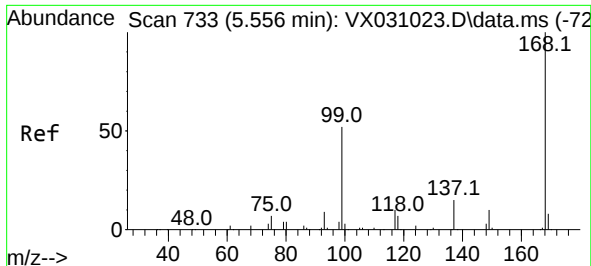
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

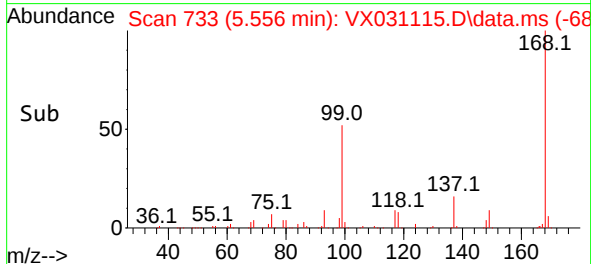
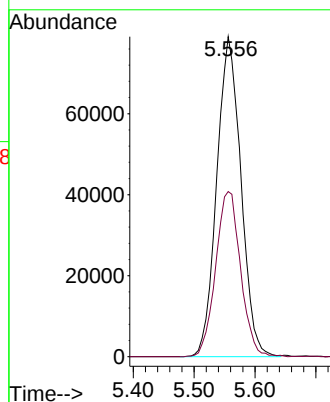
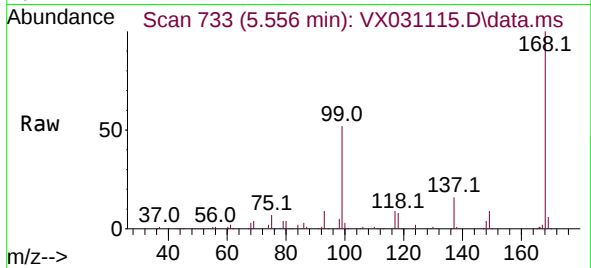




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

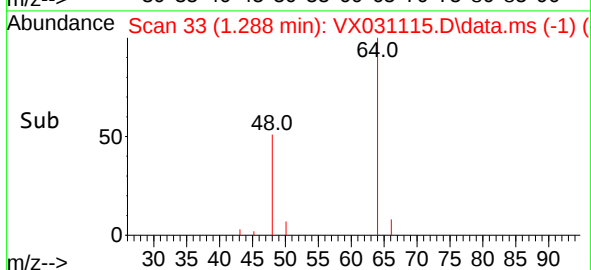
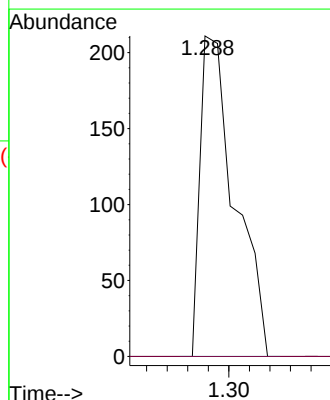
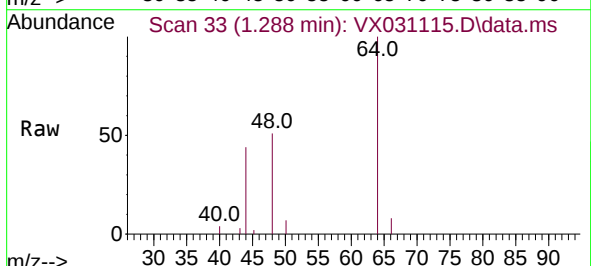
Instrument :
MSVOA_X
ClientSampleId :
SB-8

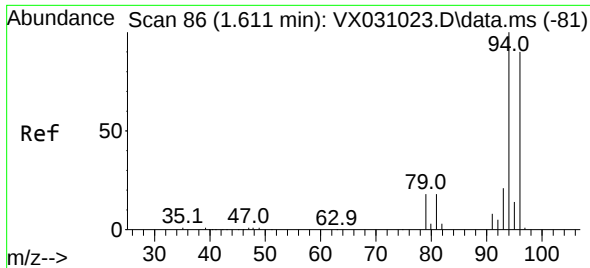
Tgt Ion:168 Resp: 217578
Ion Ratio Lower Upper
168 100
99 51.6 44.0 66.0



#3
Chloromethane
Concen: 0.815 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 50 Resp: 248
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

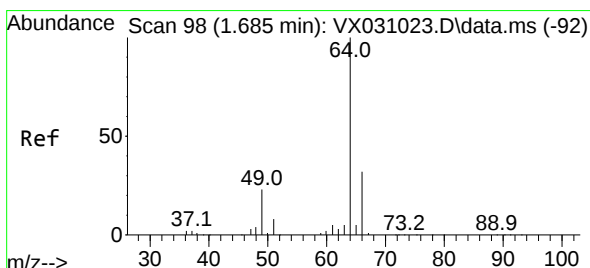
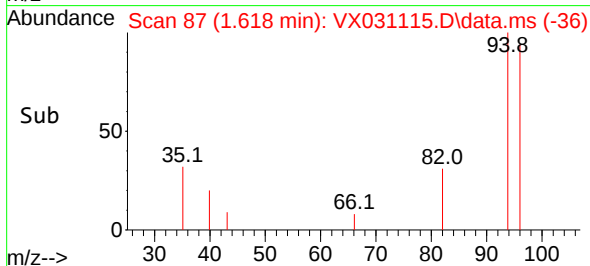
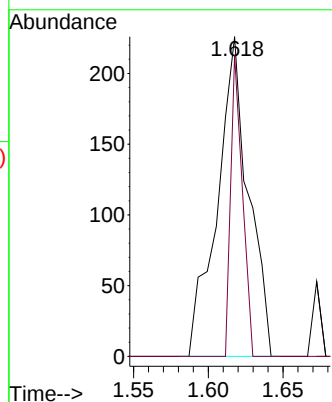
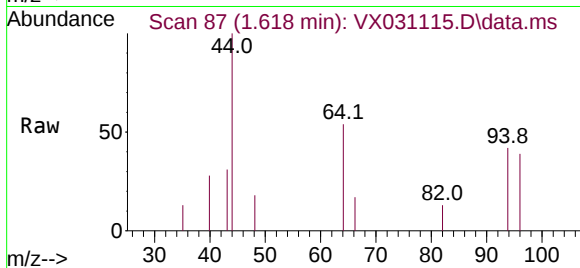




#5
Bromomethane
Concen: 0.314 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

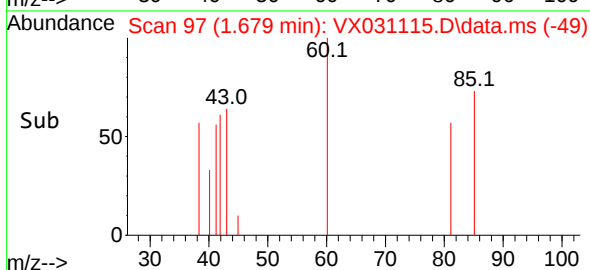
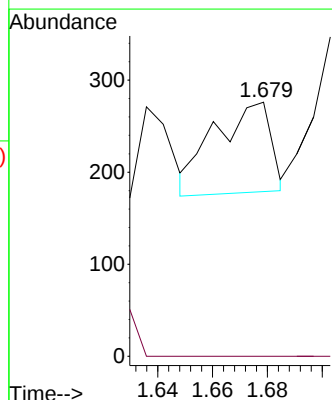
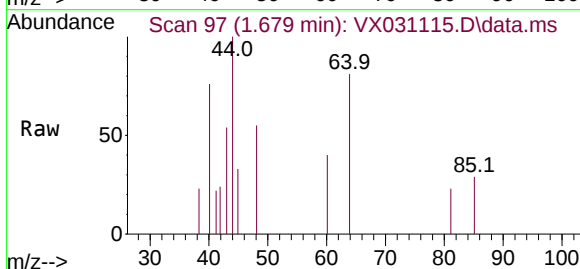
Instrument :
MSVOA_X
ClientSampleId :
SB-8

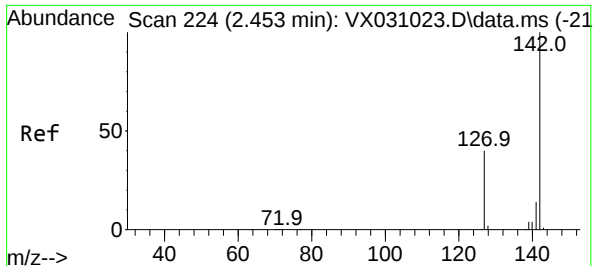
Tgt Ion: 94 Resp: 328
Ion Ratio Lower Upper
94 100
96 94.2 76.9 115.3



#6
Chloroethane
Concen: 1.819 ug/l
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 64 Resp: 140
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

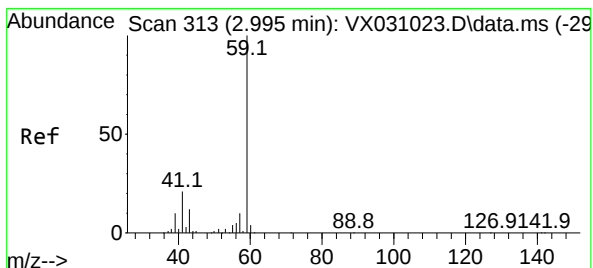
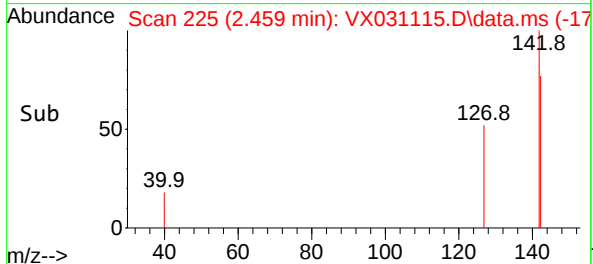
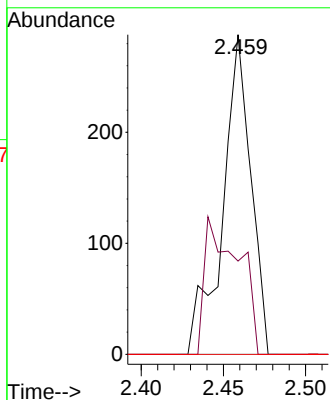
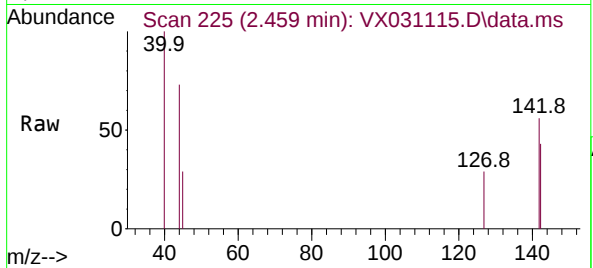




#10
Methyl Iodide
Concen: 3.037 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

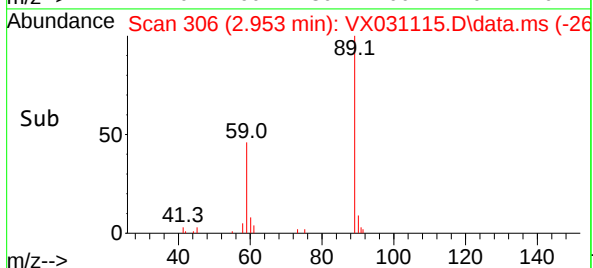
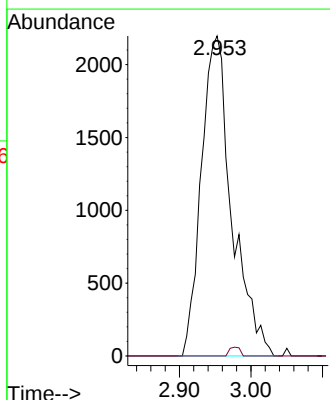
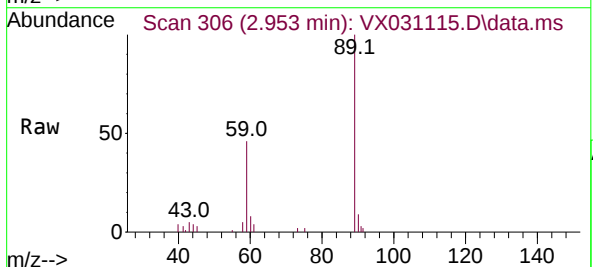
Instrument :
MSVOA_X
ClientSampleId :
SB-8

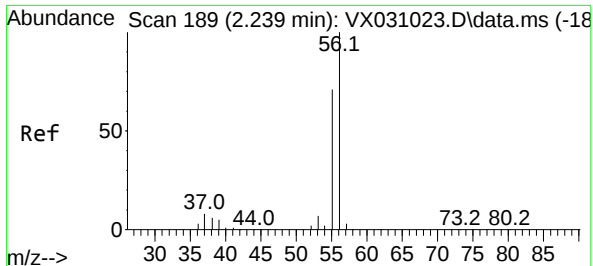
Tgt Ion:142 Resp: 344
Ion Ratio Lower Upper
142 100
127 51.5 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 59 Resp: 6517
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

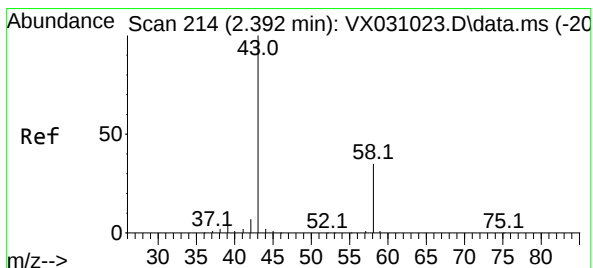
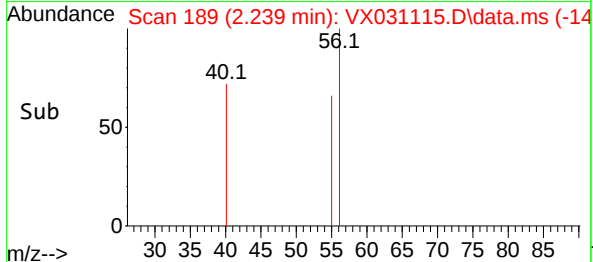
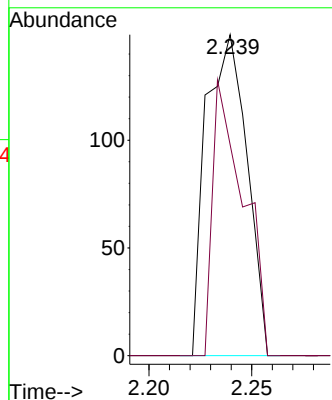
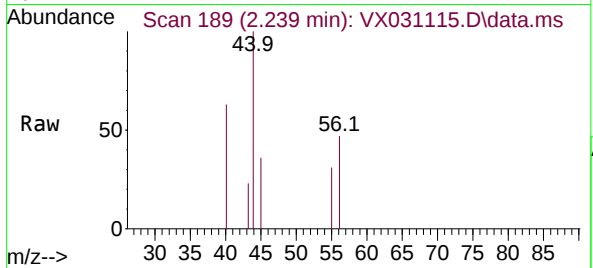




#13
Acrolein
Concen: 0.404 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

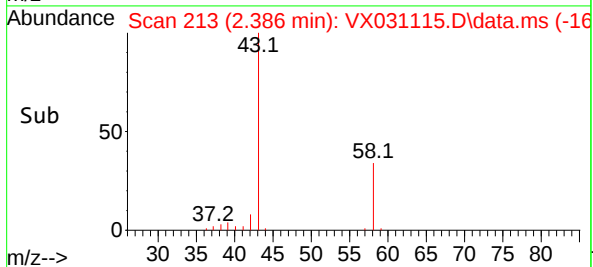
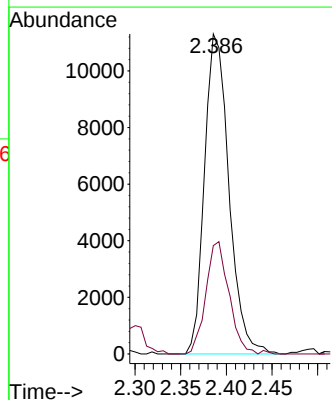
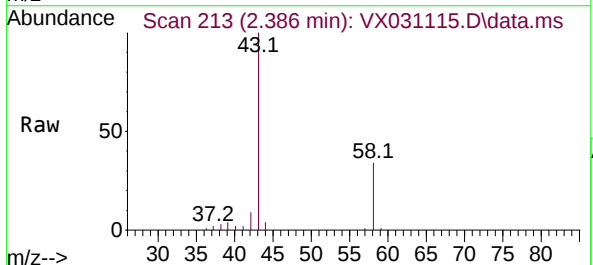
Instrument :
MSVOA_X
ClientSampleId :
SB-8

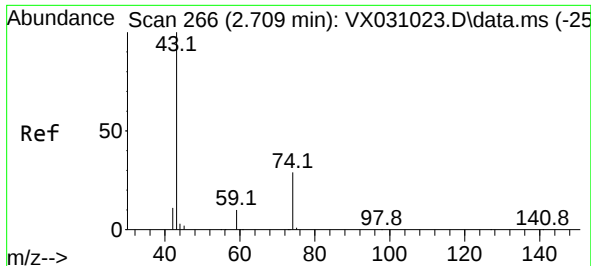
Tgt Ion: 56 Resp: 207
Ion Ratio Lower Upper
56 100
55 64.7 56.6 84.8



#16
Acetone
Concen: 19.452 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 43 Resp: 21023
Ion Ratio Lower Upper
43 100
58 33.8 27.7 41.5





#18

Methyl Acetate

Concen: 0.534 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX031115.D

Acq: 04 Sep 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

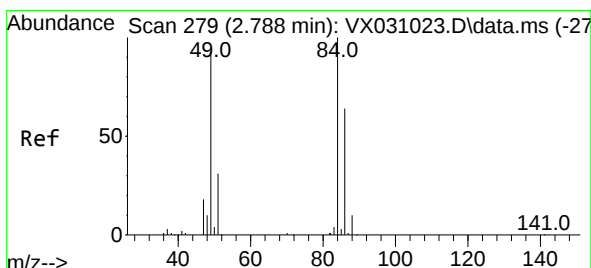
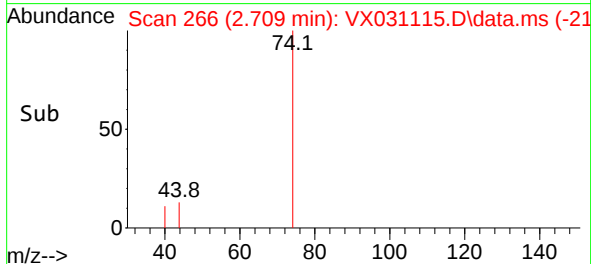
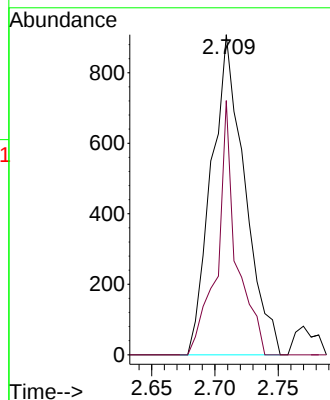
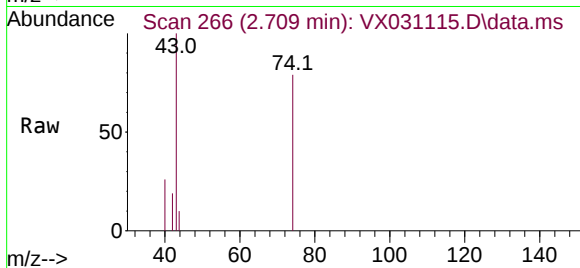
SB-8

Tgt Ion: 43 Resp: 1657

Ion Ratio Lower Upper

43 100

74 45.4 19.4 29.2#



#20

Methylene Chloride

Concen: 3.899 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX031115.D

Acq: 04 Sep 2022 04:45

Tgt Ion: 84 Resp: 15566

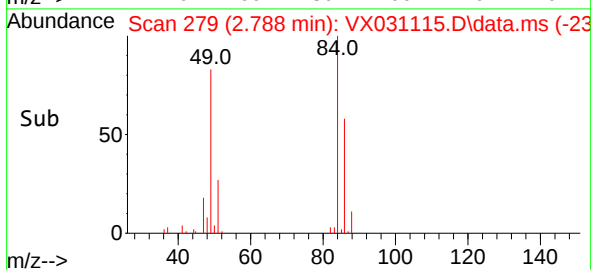
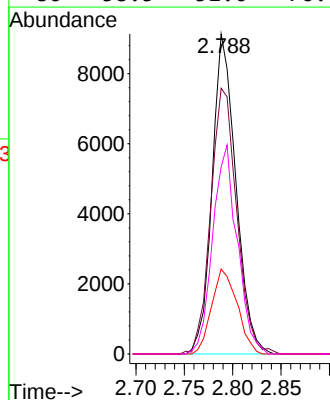
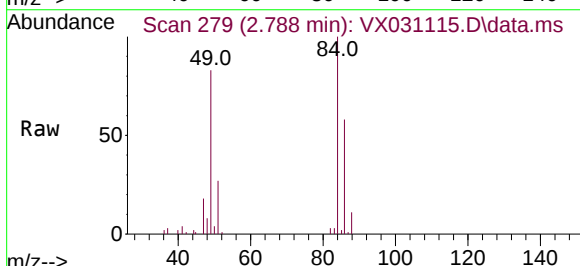
Ion Ratio Lower Upper

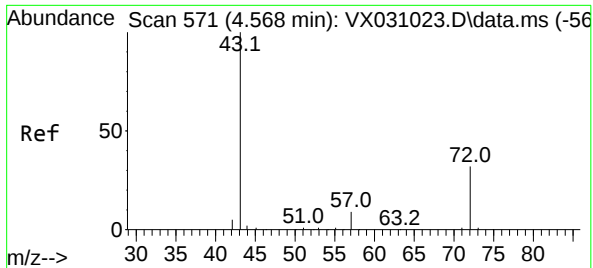
84 100

49 83.0 93.8 140.6#

51 26.6 29.4 44.0#

86 58.5 51.0 76.4





#25

2-Butanone

Concen: 4.022 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.000 min

Lab File: VX031115.D

Acq: 04 Sep 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

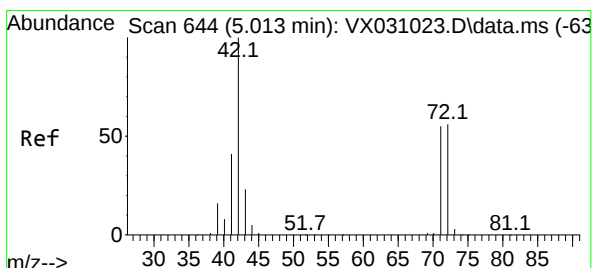
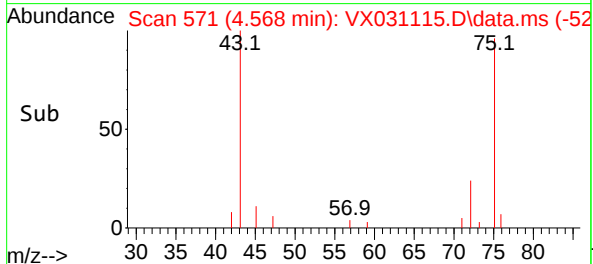
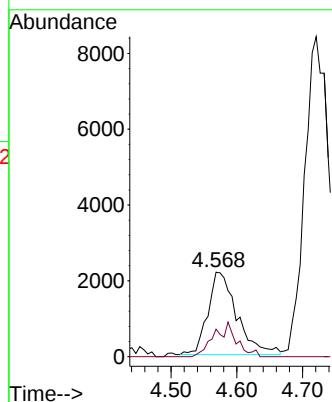
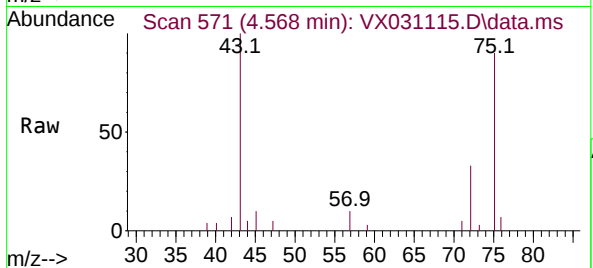
SB-8

Tgt Ion: 43 Resp: 6711

Ion Ratio Lower Upper

43 100

72 33.4 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.588 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.013 min

Lab File: VX031115.D

Acq: 04 Sep 2022 04:45

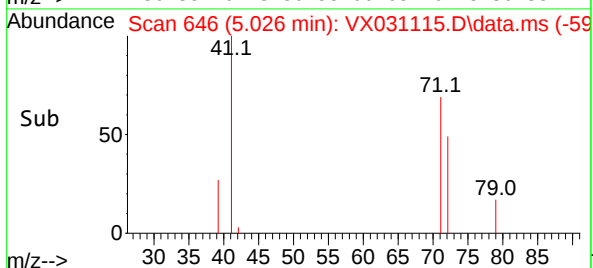
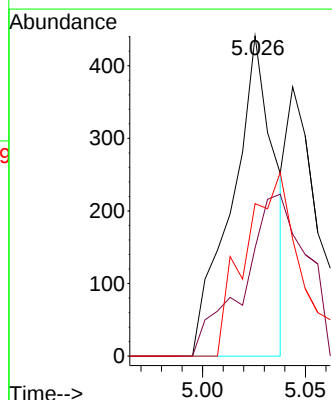
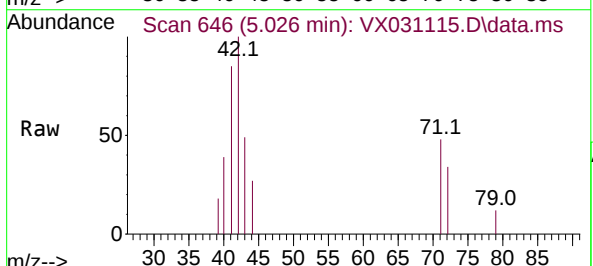
Tgt Ion: 42 Resp: 633

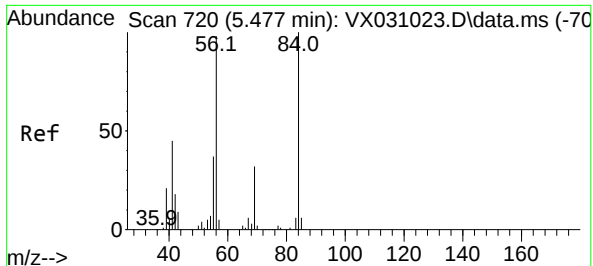
Ion Ratio Lower Upper

42 100

72 74.2 36.5 54.7#

71 73.6 33.9 50.9#

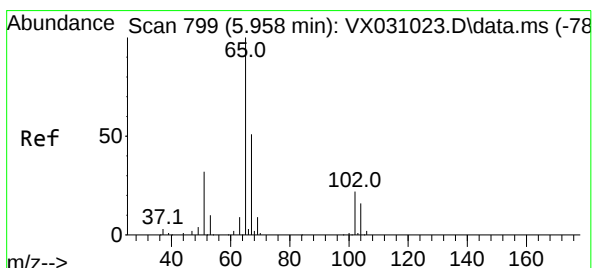
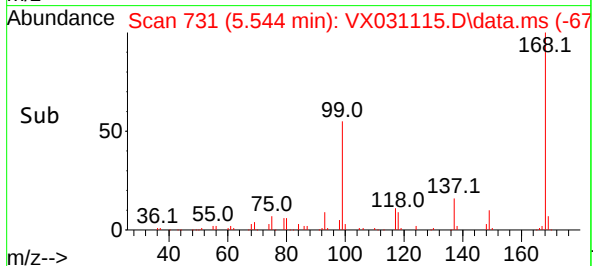
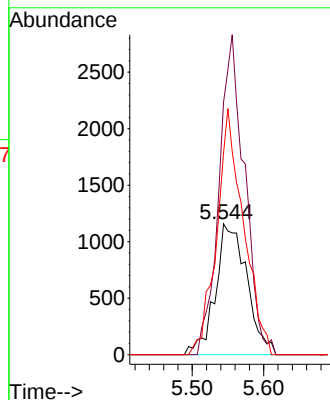
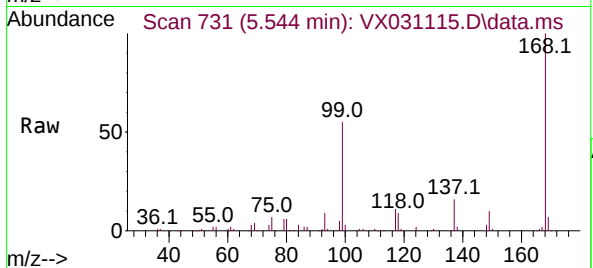




#31
Cyclohexane
Concen: 0.926 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

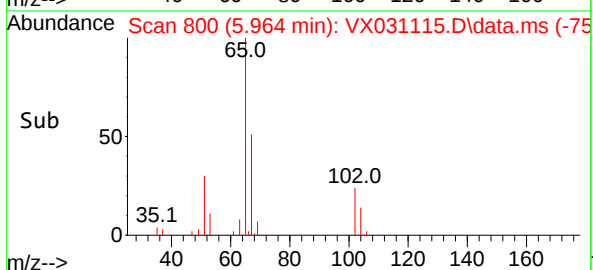
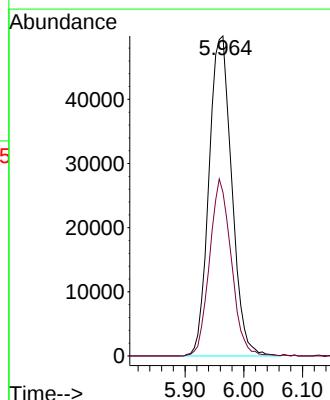
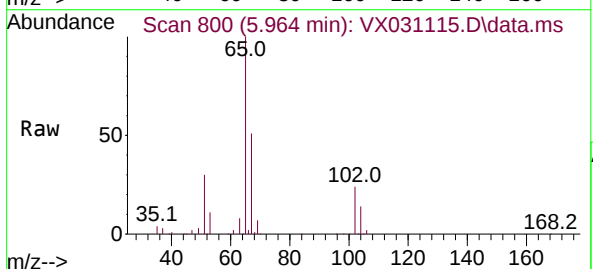
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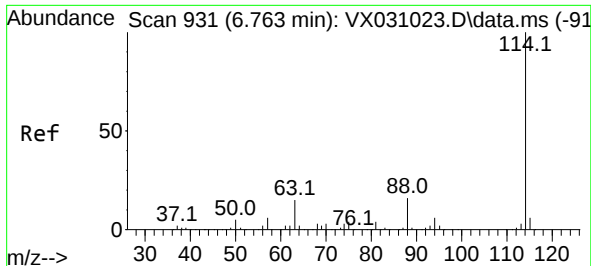
Tgt Ion: 56 Resp: 3540
Ion Ratio Lower Upper
56 100
69 193.1 25.4 38.0#
84 154.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 48.112 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 65 Resp: 134693
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6

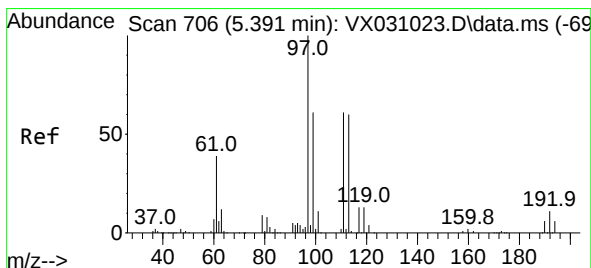
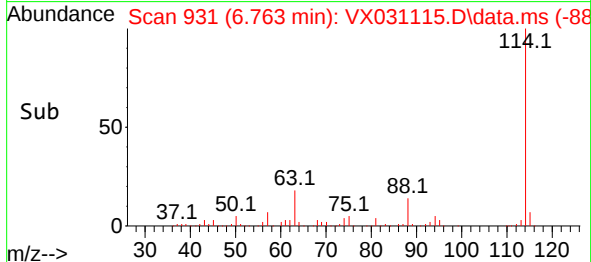
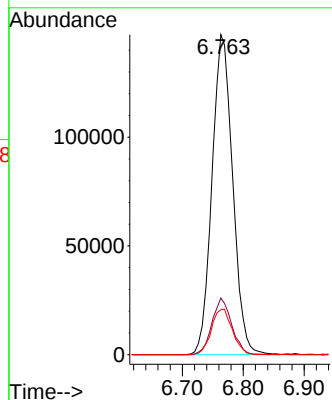
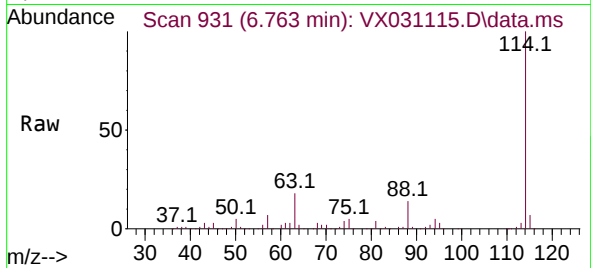




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

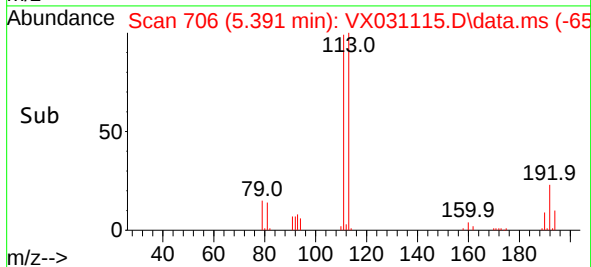
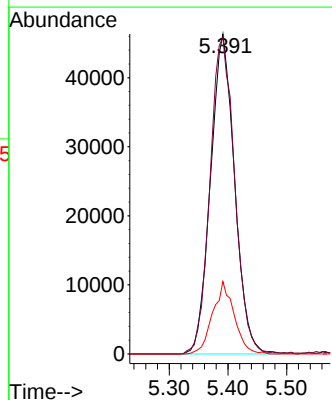
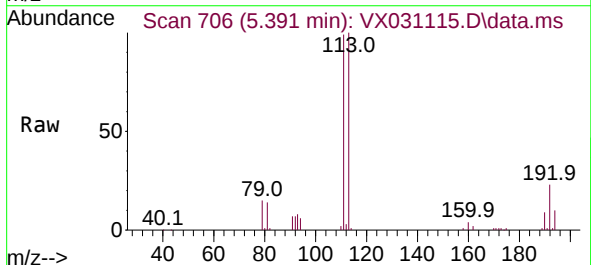
Instrument :
MSVOA_X
ClientSampleId :
SB-8

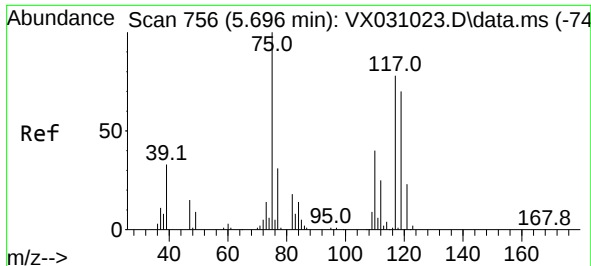
Tgt Ion:114 Resp: 347014
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.4
88 14.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.989 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion:113 Resp: 131657
Ion Ratio Lower Upper
113 100
111 101.6 83.2 124.8
192 20.1 14.8 22.2

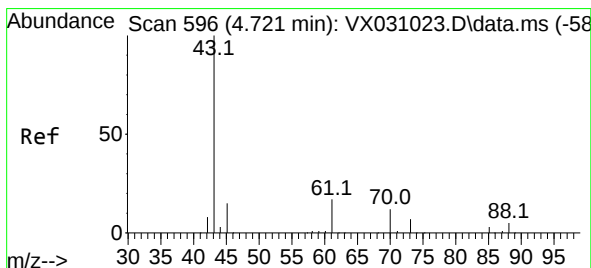
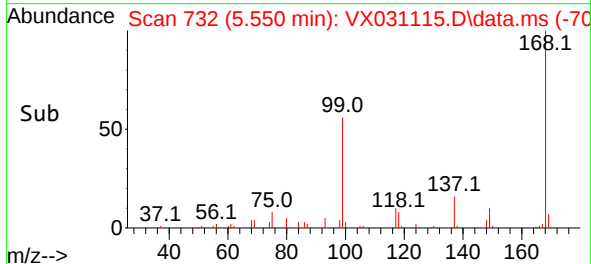
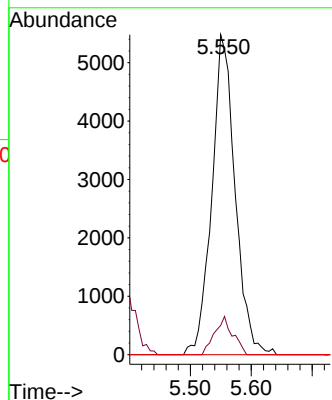
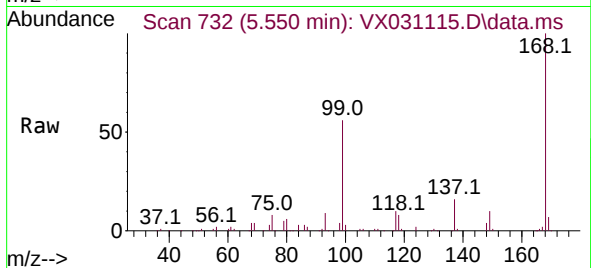




#36
1,1-Dichloropropene
Concen: 4.099 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

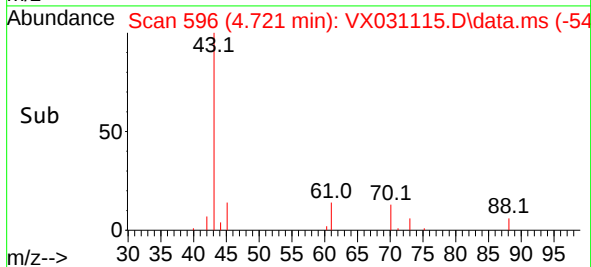
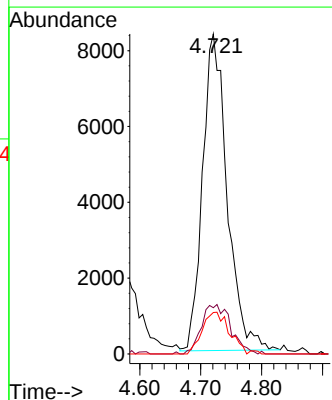
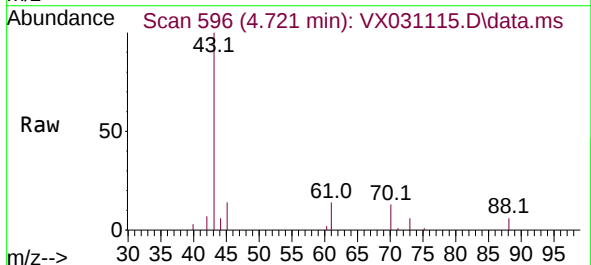
Instrument :
MSVOA_X
ClientSampleId :
SB-8

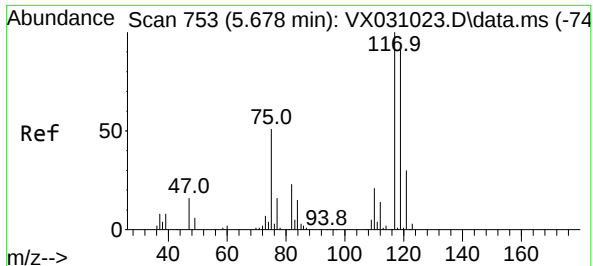
Tgt Ion: 75 Resp: 14539
Ion Ratio Lower Upper
75 100
110 9.3 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 7.587 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.000 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 43 Resp: 23383
Ion Ratio Lower Upper
43 100
61 18.6 11.7 17.5#
70 14.6 9.3 13.9#

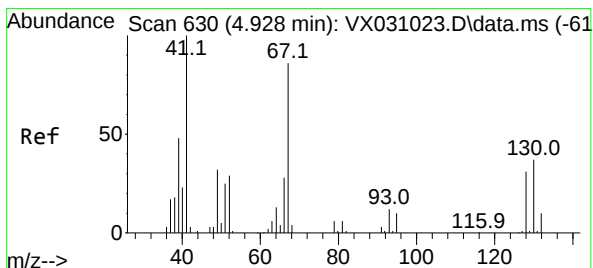
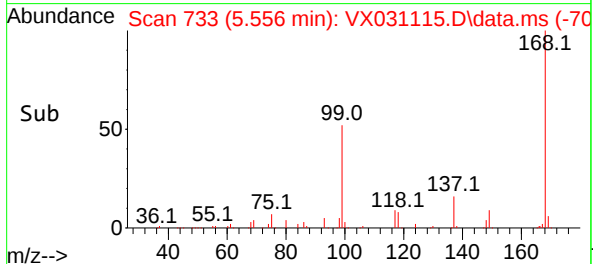
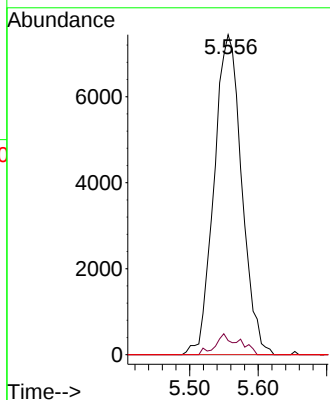
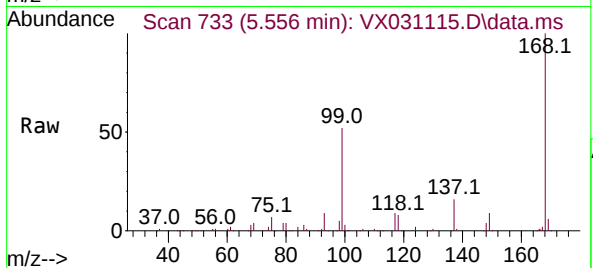




#38
Carbon Tetrachloride
Concen: 5.652 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

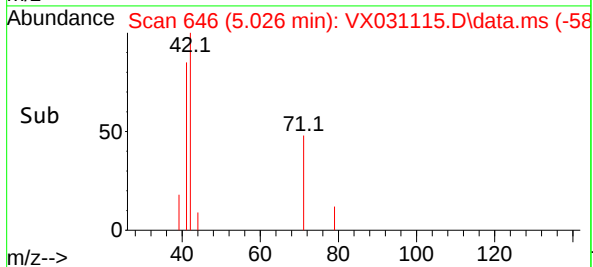
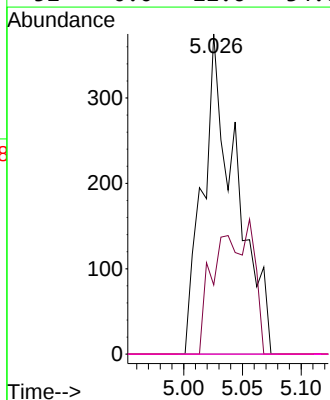
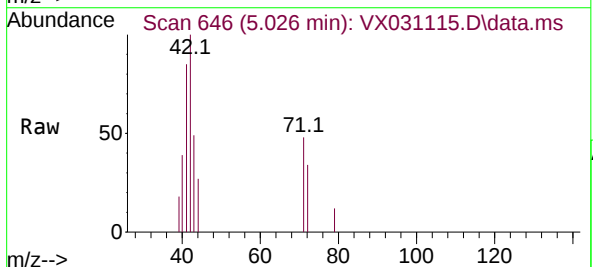
Instrument :
MSVOA_X
ClientSampleId :
SB-8

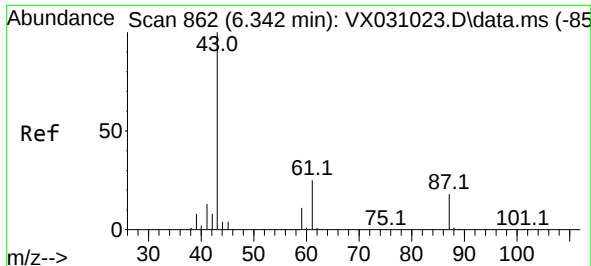
Tgt Ion:117 Resp: 20812
Ion Ratio Lower Upper
117 100
119 4.4 74.1 111.1#
121 0.0 25.8 38.8#



#41
Methacrylonitrile
Concen: 0.452 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 41 Resp: 743
Ion Ratio Lower Upper
41 100
39 34.5 42.9 64.3#
67 0.0 60.1 90.1#
52 0.0 22.6 34.0#

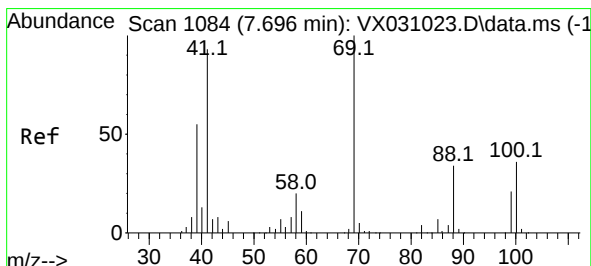
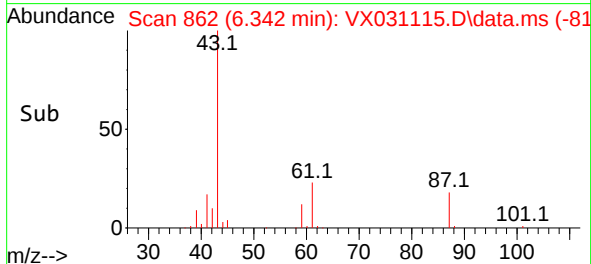
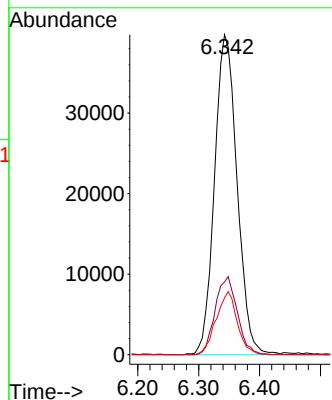
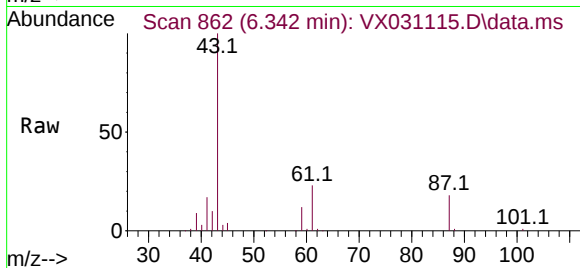




#43
Isopropyl Acetate
Concen: 21.226 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

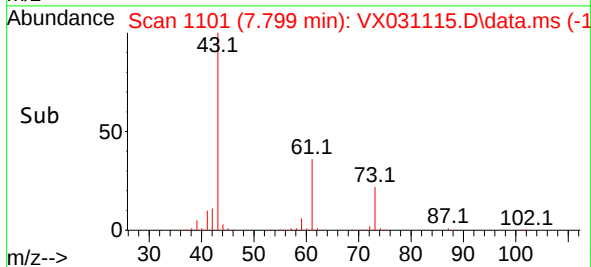
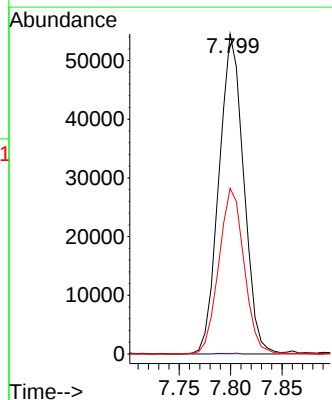
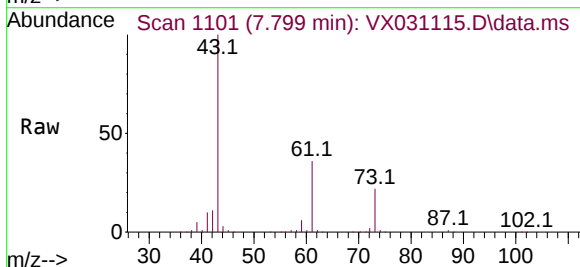
Instrument :
MSVOA_X
ClientSampleId :
SB-8

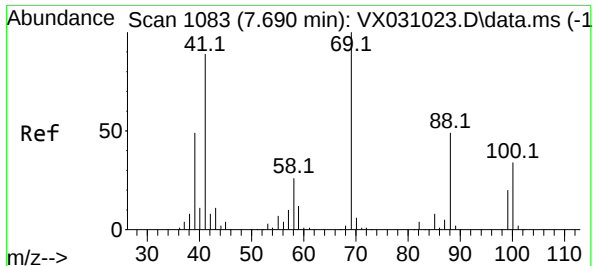
Tgt Ion: 43 Resp: 102240
Ion Ratio Lower Upper
43 100
61 23.8 16.5 24.7
87 18.5 11.1 16.7#



#48
Methyl methacrylate
Concen: 37.430 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 41 Resp: 91019
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 53.0 44.6 66.8





#49

1,4-Dioxane

Concen: 0.541 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.025 min

Lab File: VX031115.D

Acq: 04 Sep 2022 04:45

Instrument :

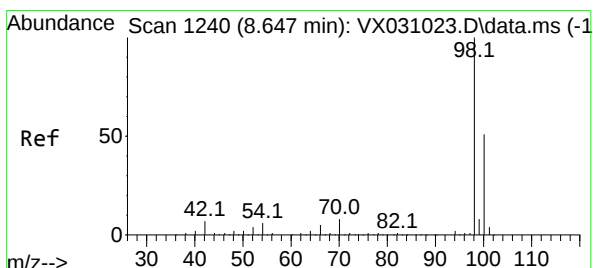
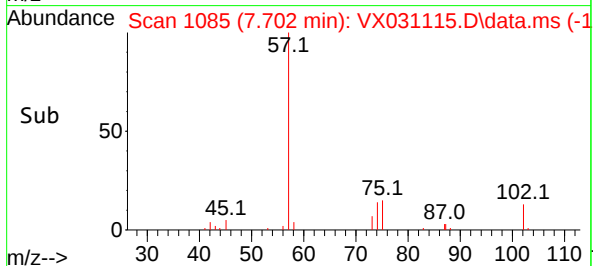
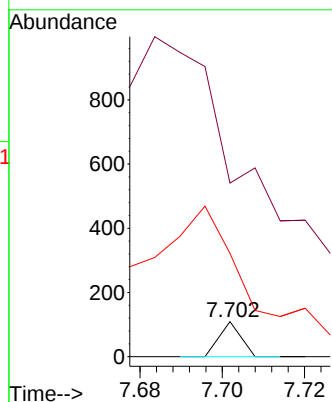
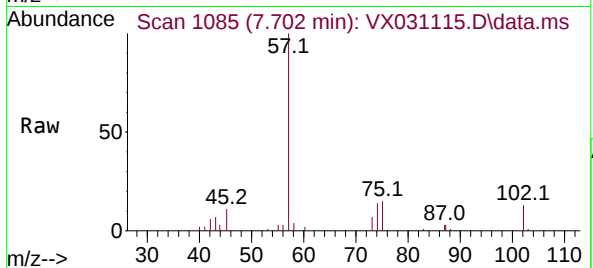
MSVOA_X

ClientSampleId :

SB-8

Tgt Ion: 88 Resp: 40

Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	2052.5	53.8	80.6#



#50

Toluene-d8

Concen: 49.551 ug/l

RT: 8.653 min Scan# 1241

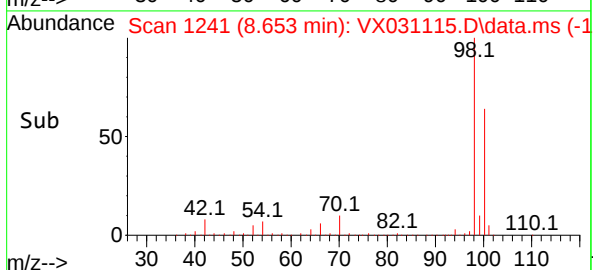
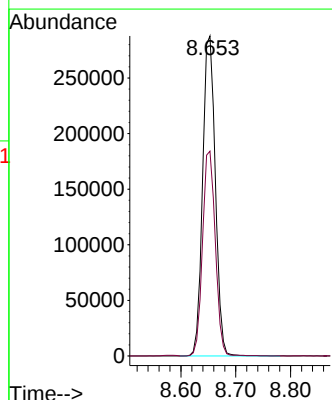
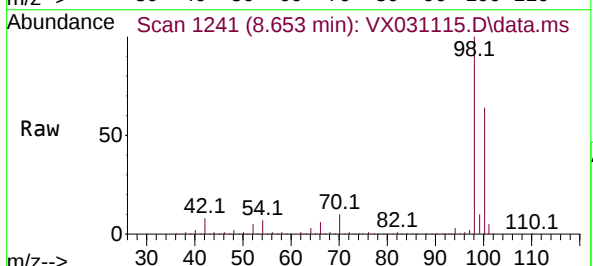
Delta R.T. -0.000 min

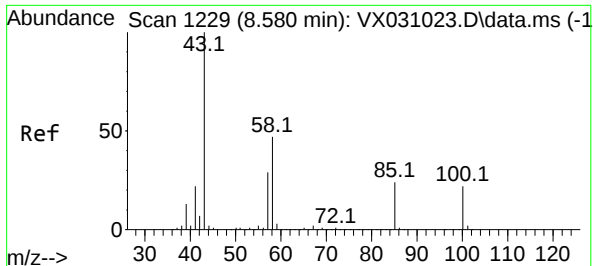
Lab File: VX031115.D

Acq: 04 Sep 2022 04:45

Tgt Ion: 98 Resp: 461821

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.3	78.5

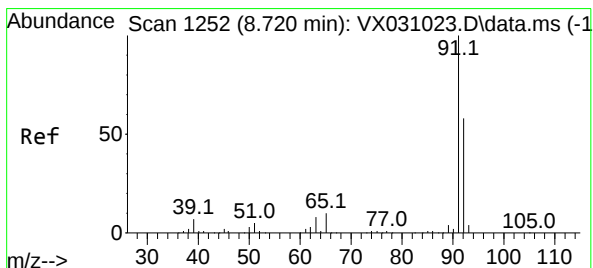
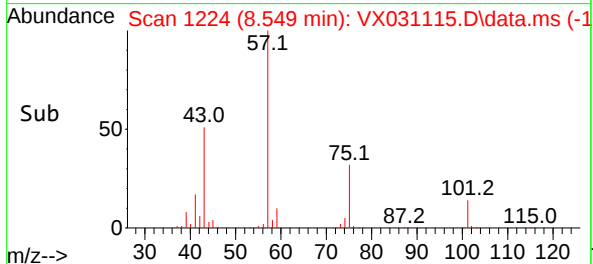
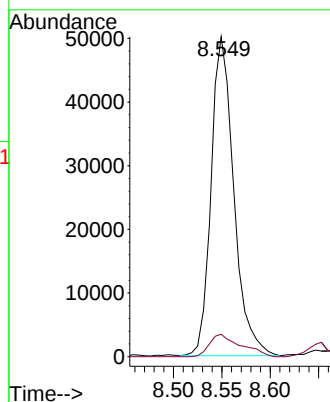
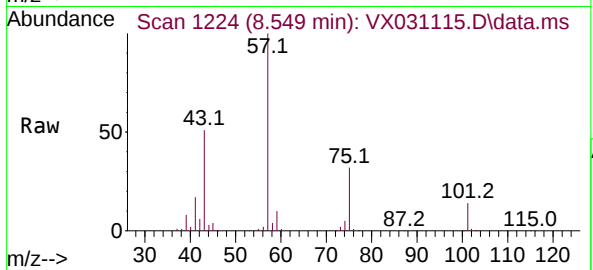




#51
4-Methyl-2-Pentanone
Concen: 26.438 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

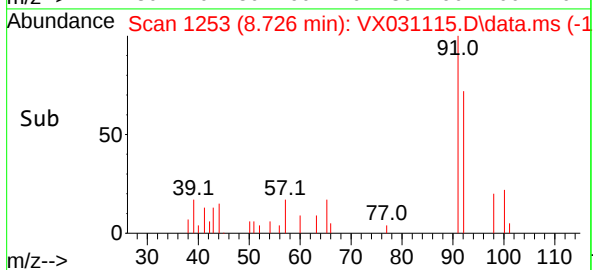
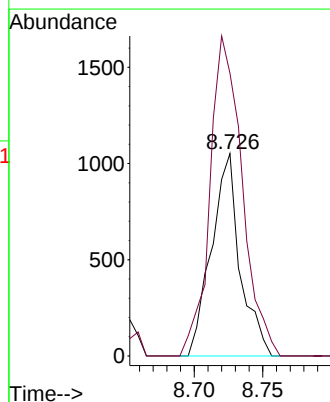
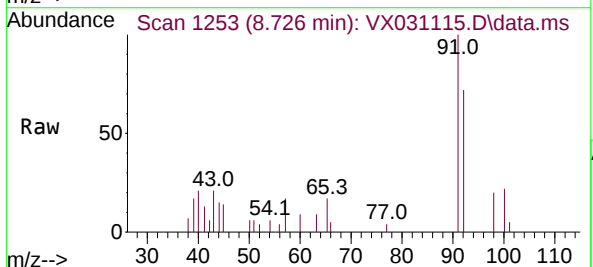
Instrument :
MSVOA_X
ClientSampleId :
SB-8

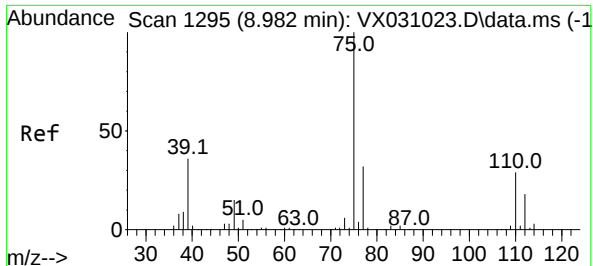
Tgt Ion: 43 Resp: 81865
Ion Ratio Lower Upper
43 100
58 9.7 31.4 47.2#



#52
Toluene
Concen: 0.231 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 92 Resp: 1524
Ion Ratio Lower Upper
92 100
91 178.5 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 0.210 ug/l

RT: 8.946 min Scan# 11

Delta R.T. -0.036 min

Lab File: VX031115.D

Acq: 04 Sep 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

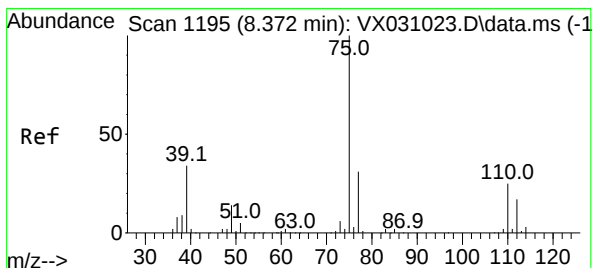
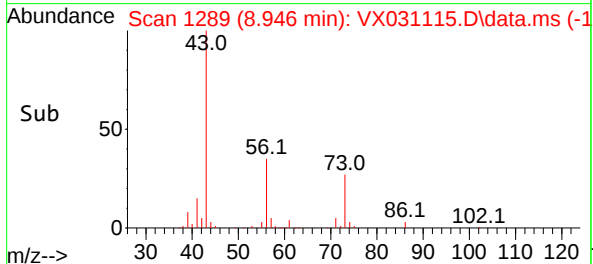
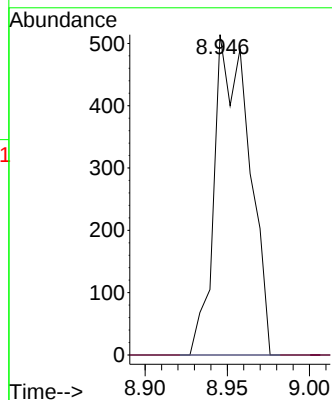
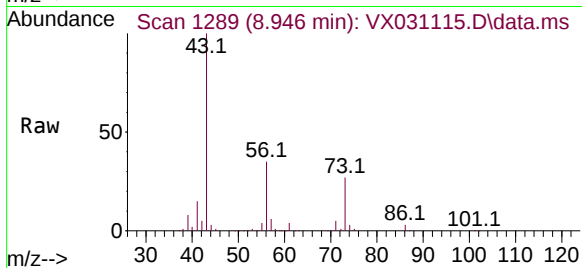
SB-8

Tgt Ion: 75 Resp: 758

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#54

cis-1,3-Dichloropropene

Concen: 11.723 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX031115.D

Acq: 04 Sep 2022 04:45

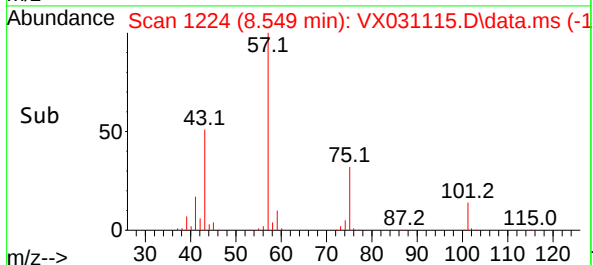
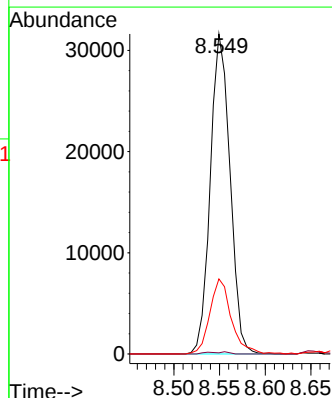
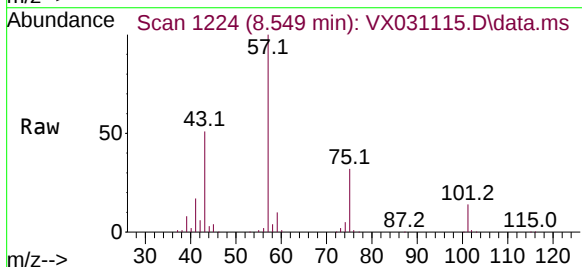
Tgt Ion: 75 Resp: 47376

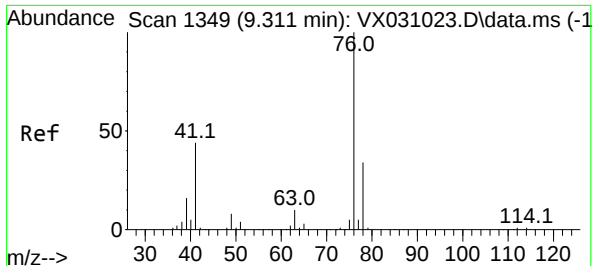
Ion Ratio Lower Upper

75 100

77 0.4 25.0 37.4#

39 23.5 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.355 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031115.D

Acq: 04 Sep 2022 04:45

Instrument :

MSVOA_X

ClientSampleId :

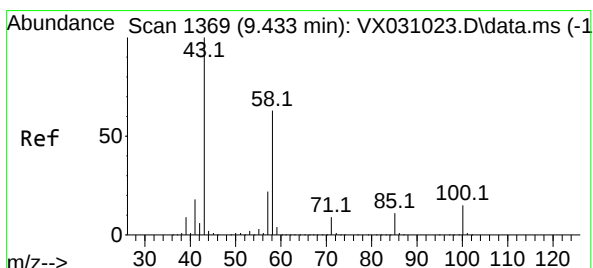
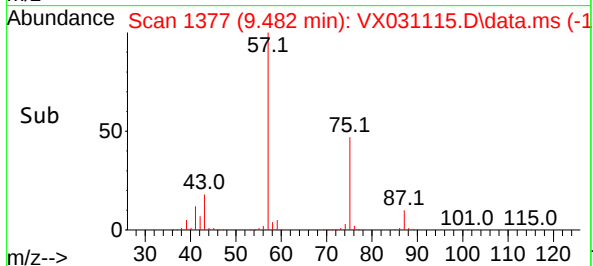
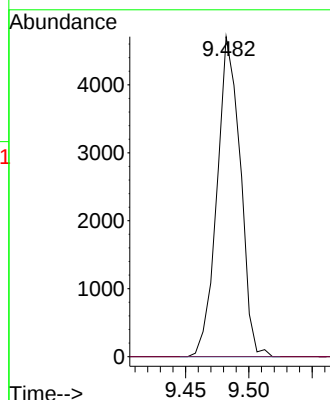
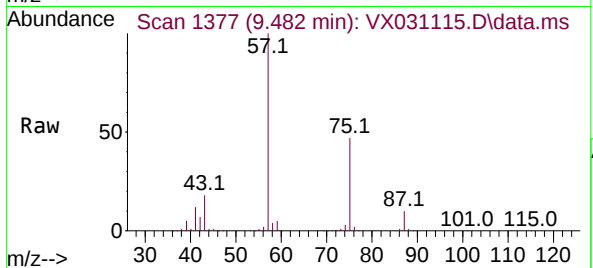
SB-8

Tgt Ion: 76 Resp: 6017

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 44.211 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX031115.D

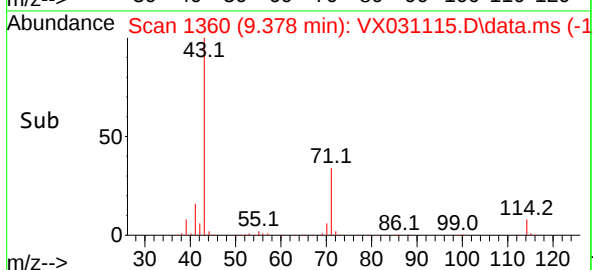
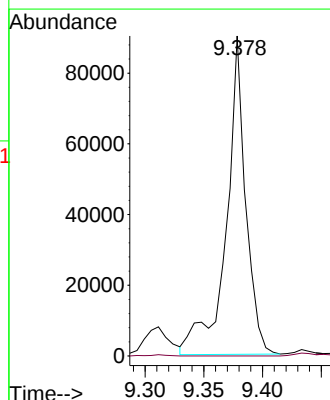
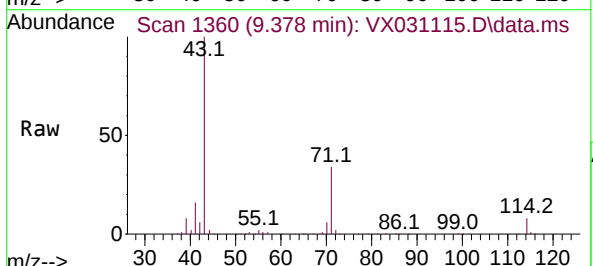
Acq: 04 Sep 2022 04:45

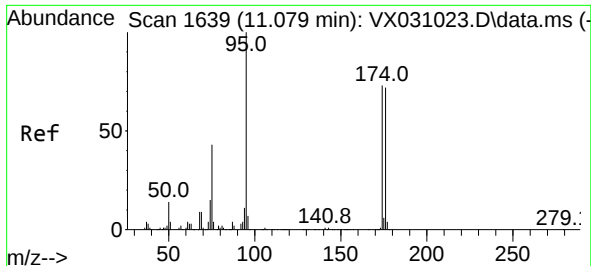
Tgt Ion: 43 Resp: 103525

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#

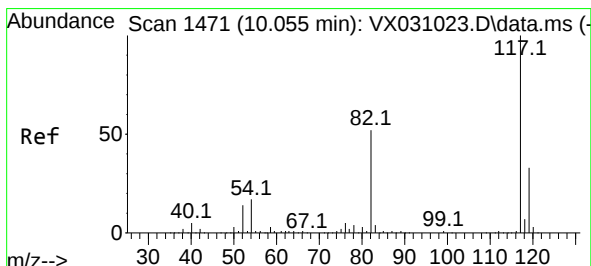
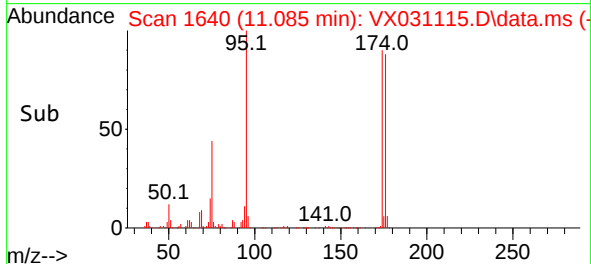
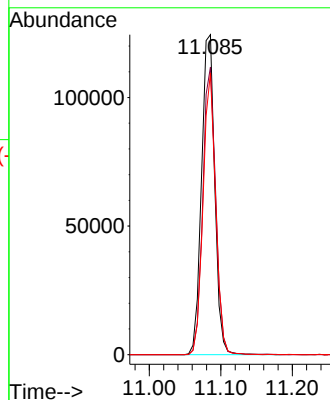
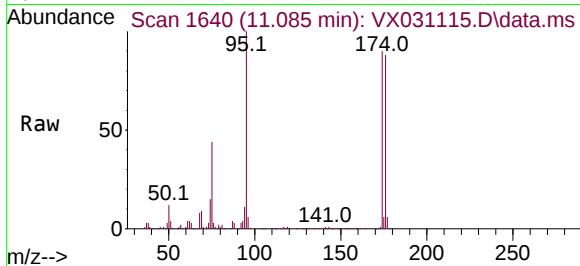




#62
4-Bromofluorobenzene
Concen: 48.519 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

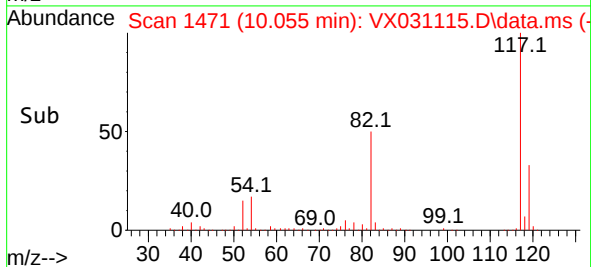
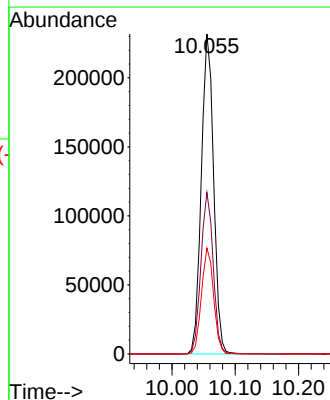
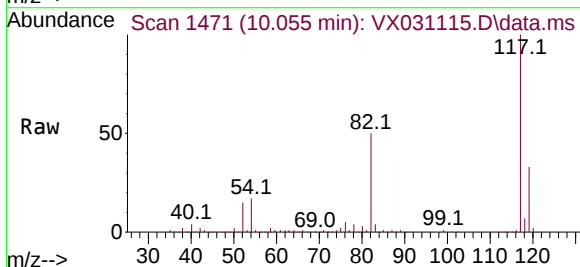
Instrument :
MSVOA_X
ClientSampleId :
SB-8

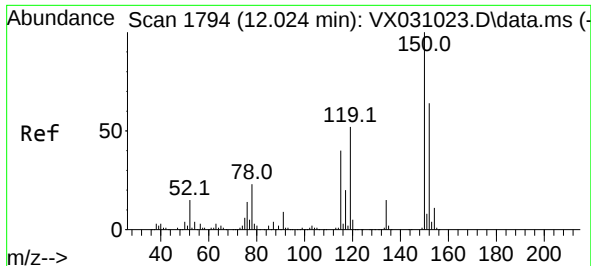
Tgt Ion: 95 Resp: 159718
Ion Ratio Lower Upper
95 100
174 87.8 0.0 149.0
176 84.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 117 Resp: 314559
Ion Ratio Lower Upper
117 100
82 50.4 42.7 64.1
119 33.1 25.4 38.2

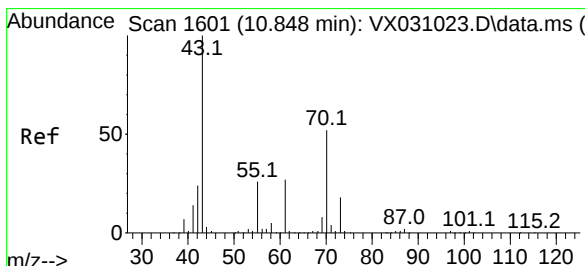
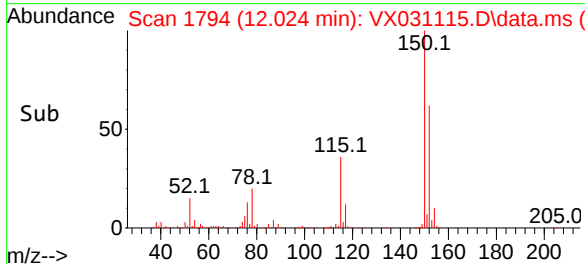
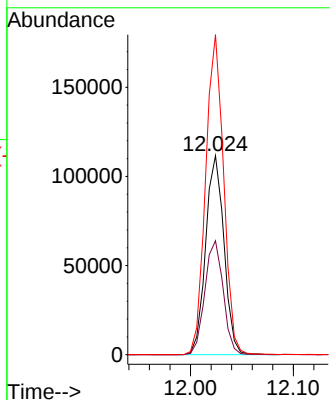
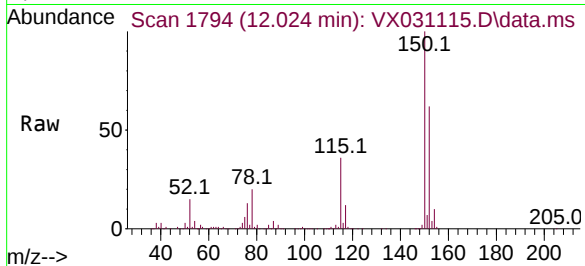




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

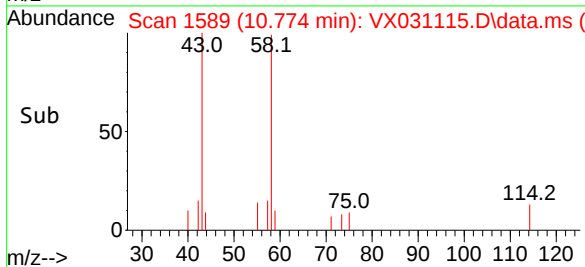
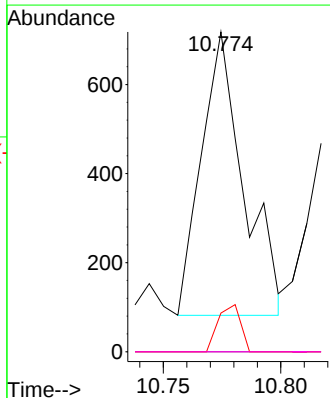
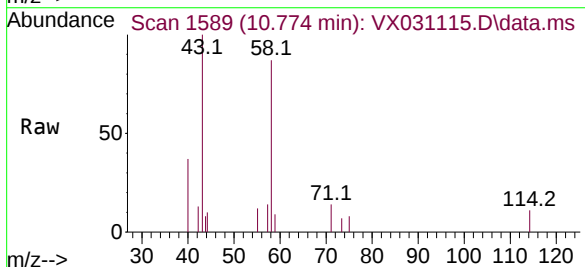
Instrument :
MSVOA_X
ClientSampleId :
SB-8

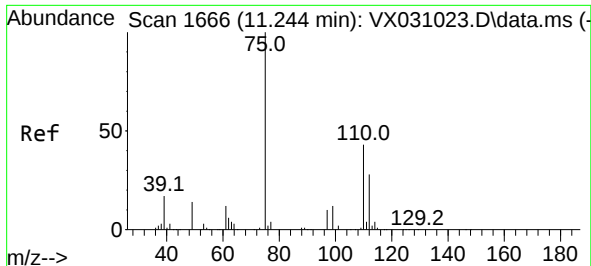
Tgt Ion:152 Resp: 138848
Ion Ratio Lower Upper
152 100
115 57.4 40.5 121.5
150 157.9 0.0 347.0



#74
N-ethyl acetate
Concen: 0.235 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 8.9 18.4 27.6#
61 0.0 19.2 28.8#

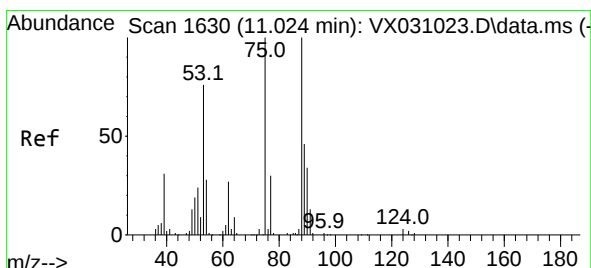
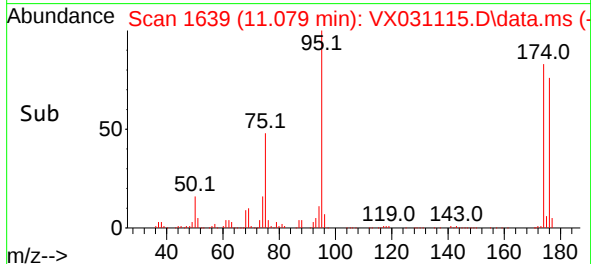
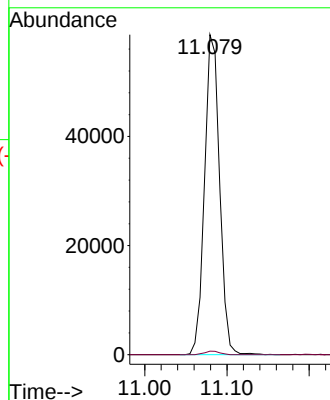
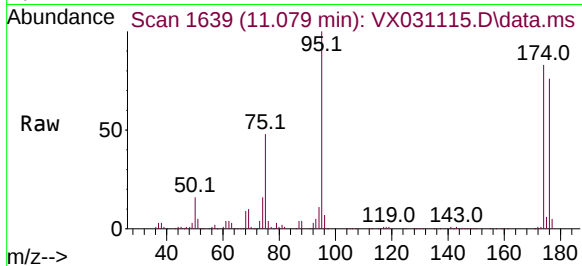




#76
1,2,3-Trichloropropane
Concen: 22.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

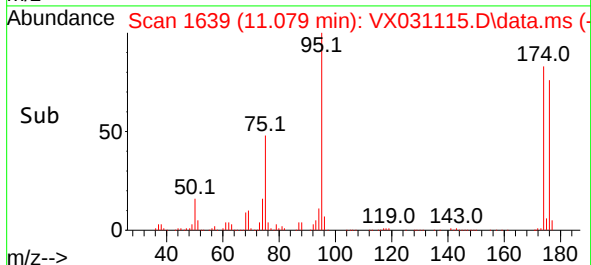
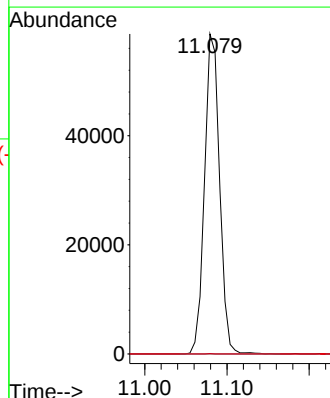
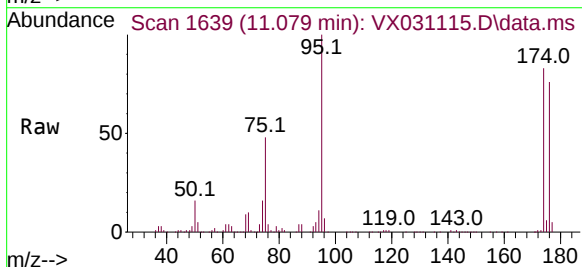
Instrument :
MSVOA_X
ClientSampleId :
SB-8

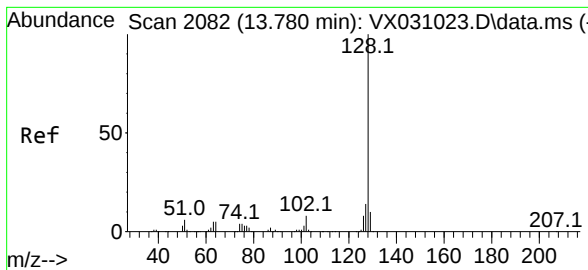
Tgt Ion: 75 Resp: 74513
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.346 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031115.D
Acq: 04 Sep 2022 04:45

Tgt Ion: 75 Resp: 74513
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#95
 Naphthalene
 Concen: 1.099 ug/l
 RT: 13.774 min Scan# 2081
 Delta R.T. -0.000 min
 Lab File: VX031115.D
 Acq: 04 Sep 2022 04:45

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-8

Tgt Ion:	128	Resp:	13828
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.2	15.2
129	12.3	8.6	13.0

