

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033492.D
 Acq On : 19 Dec 2022 18:36
 Operator : JC/MD
 Sample : N6097-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:02:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

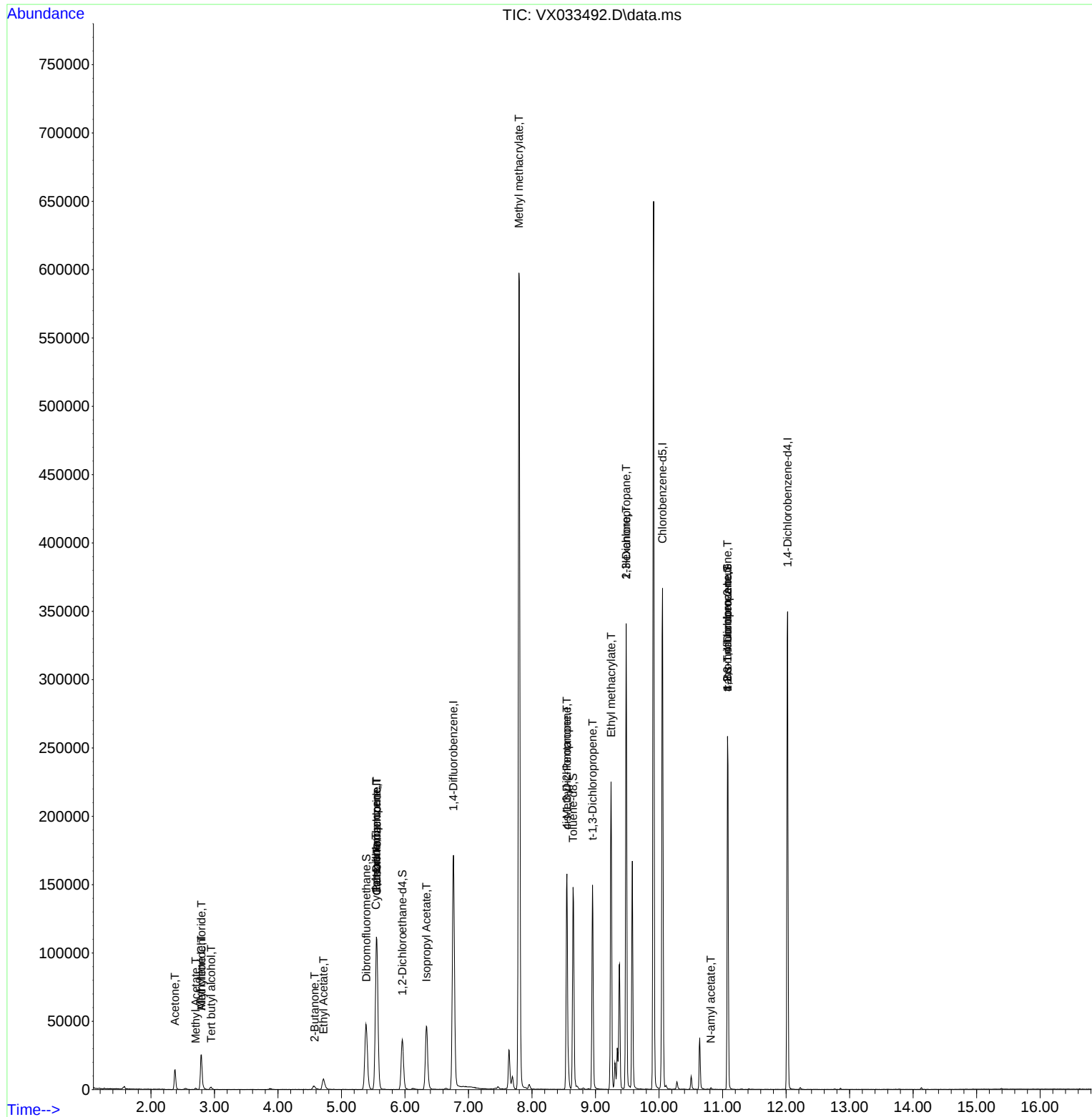
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	108219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	178568	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	166732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37722	54.334	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.660%	
35) Dibromofluoromethane	5.391	113	42815	53.308	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.620%	
50) Toluene-d8	8.647	98	89198	53.088	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.180%	
62) 4-Bromofluorobenzene	11.079	95	68075	52.990	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.980%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	1249	5.884	ug/l #	72
14) Allyl chloride	2.794	41	441	0.281	ug/l #	20
16) Acetone	2.380	43	15829	30.812	ug/l	97
18) Methyl Acetate	2.703	43	1255	0.844	ug/l	97
20) Methylene Chloride	2.794	84	13404	11.699	ug/l #	85
25) 2-Butanone	4.574	43	3626	4.917	ug/l	96
31) Cyclohexane	5.544	56	2017	1.222	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	7921	5.058	ug/l #	50
37) Ethyl Acetate	4.715	43	14144	9.555	ug/l	99
38) Carbon Tetrachloride	5.556	117	10932	6.231	ug/l #	15
43) Isopropyl Acetate	6.336	43	62995	26.450	ug/l	98
48) Methyl methacrylate	7.793	41	52413	42.640	ug/l #	42
51) 4-Methyl-2-Pentanone	8.549	43	56999	37.844	ug/l #	46
53) t-1,3-Dichloropropene	8.952	75	326	2.672	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	25144	13.628	ug/l #	59
56) Ethyl methacrylate	9.244	69	512	0.293	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2891	1.450	ug/l #	42
59) 2-Hexanone	9.482	43	38560	34.741	ug/l #	53
74) N-amyl acetate	10.817	43	547	0.295	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	35865	23.534	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35865	73.206	ug/l #	6

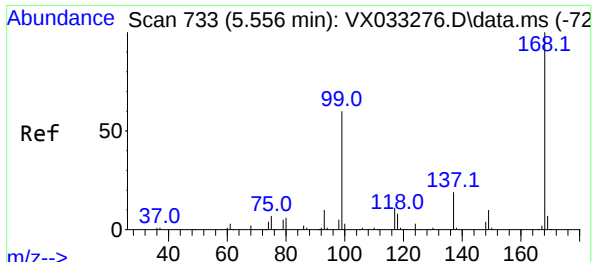
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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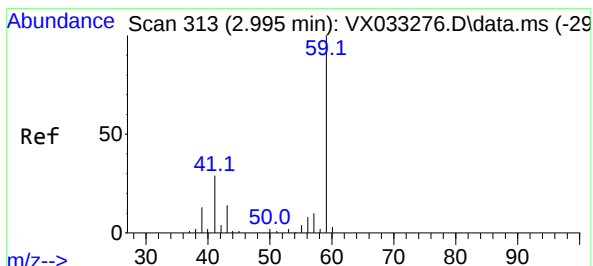
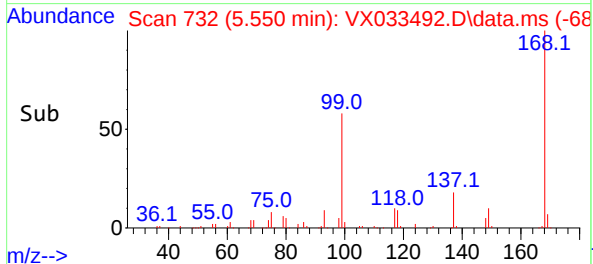
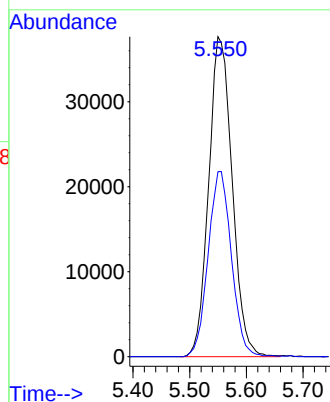
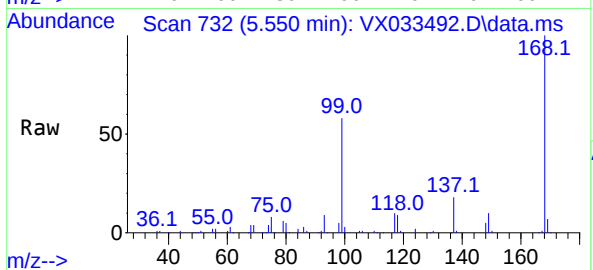




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

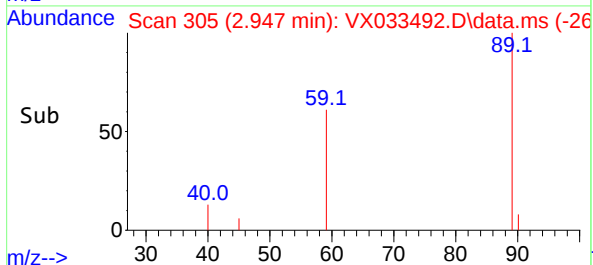
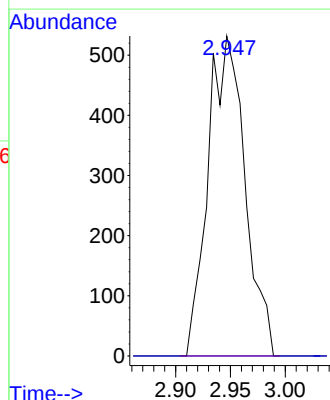
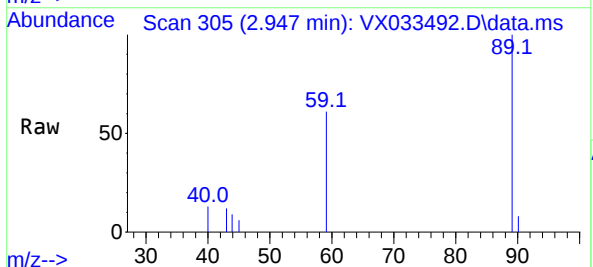
Instrument :
MSVOA_X
ClientSampleId :

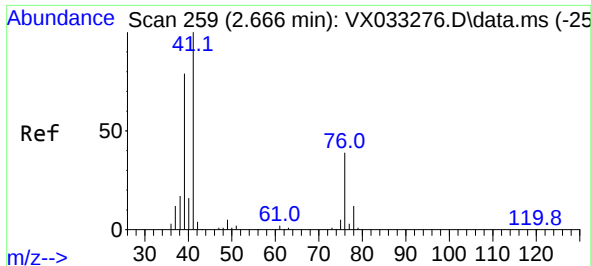
Tgt Ion:168 Resp: 108219
Ion Ratio Lower Upper
168 100
99 57.8 46.1 69.1



#11
Tert butyl alcohol
Concen: 5.884 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

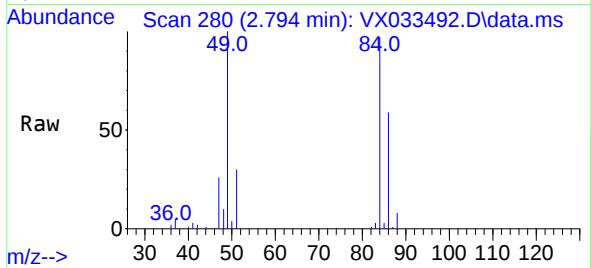
Tgt Ion: 59 Resp: 1249
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



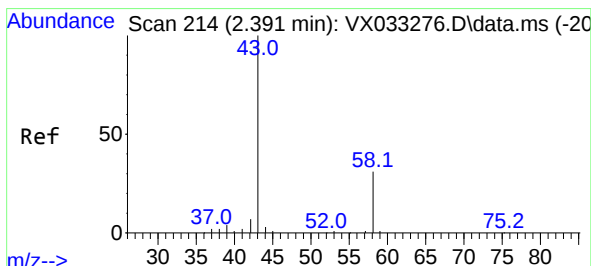
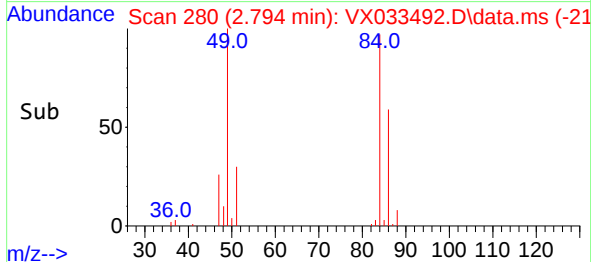
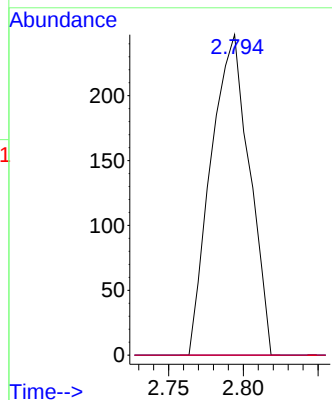


#14
 Allyl chloride
 Concen: 0.281 ug/l
 RT: 2.794 min Scan# 212
 Delta R.T. 0.128 min
 Lab File: VX033492.D
 Acq: 19 Dec 2022 18:36

Instrument :
 MSVOA_X
 ClientSampleId :

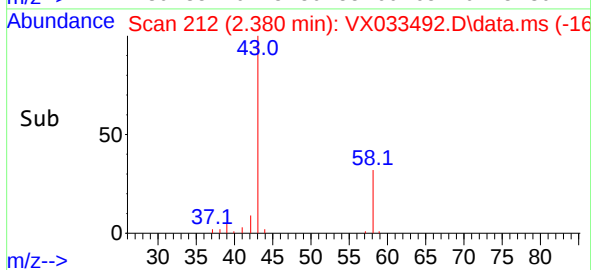
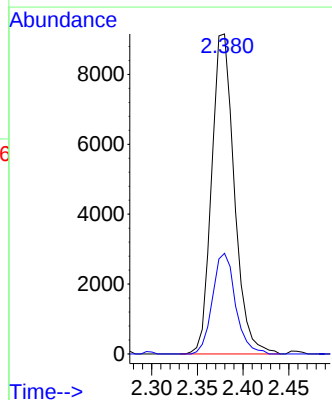
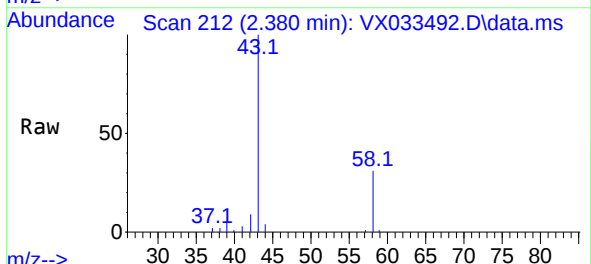


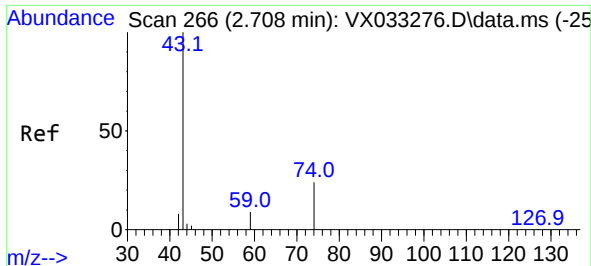
Tgt Ion: 41 Resp: 441
 Ion Ratio Lower Upper
 41 100
 39 0.0 61.4 92.2#
 76 0.0 29.2 43.8#



#16
 Acetone
 Concen: 30.812 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX033492.D
 Acq: 19 Dec 2022 18:36

Tgt Ion: 43 Resp: 15829
 Ion Ratio Lower Upper
 43 100
 58 31.4 23.8 35.8





#18

Methyl Acetate

Concen: 0.844 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

Instrument :

MSVOA_X

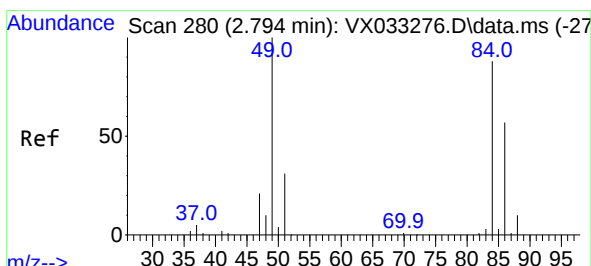
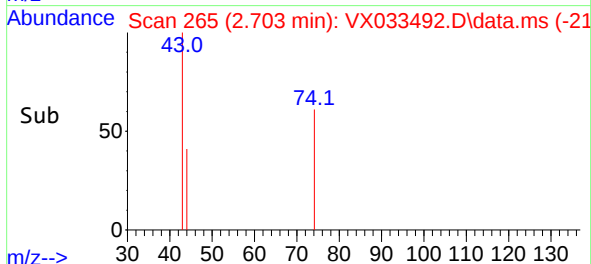
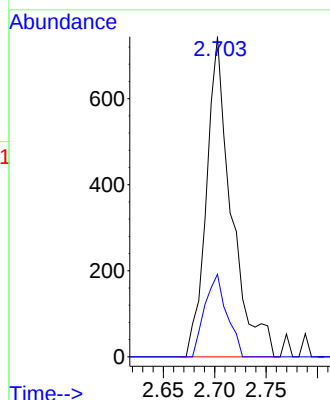
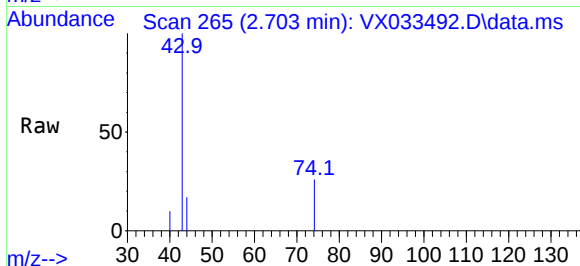
ClientSampleId :

Tgt Ion: 43 Resp: 1255

Ion Ratio Lower Upper

43 100

74 22.8 19.4 29.0



#20

Methylene Chloride

Concen: 11.699 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

Tgt Ion: 84 Resp: 13404

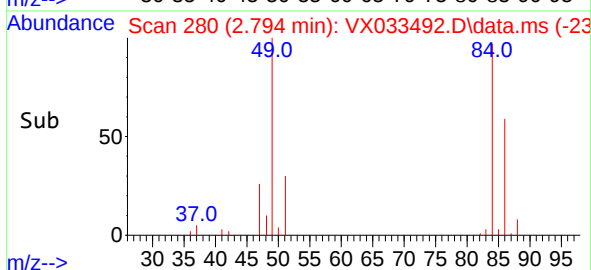
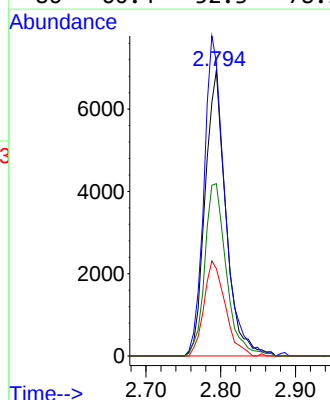
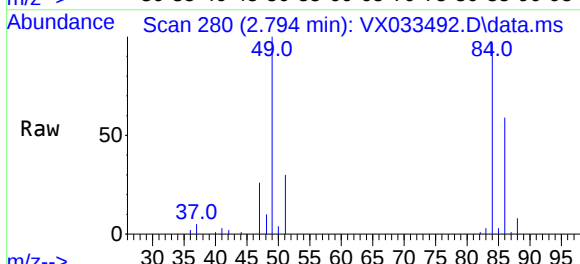
Ion Ratio Lower Upper

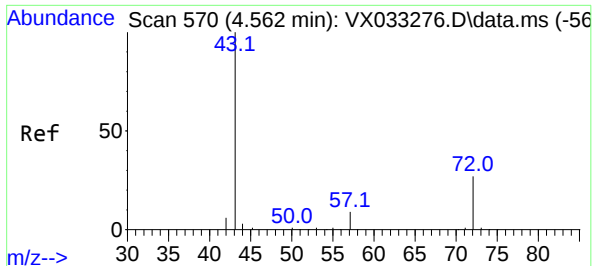
84 100

49 102.9 101.0 151.6

51 30.6 31.1 46.7#

86 60.4 52.3 78.5





#25

2-Butanone

Concen: 4.917 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

Instrument :

MSVOA_X

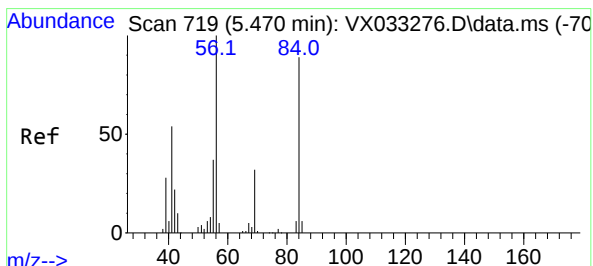
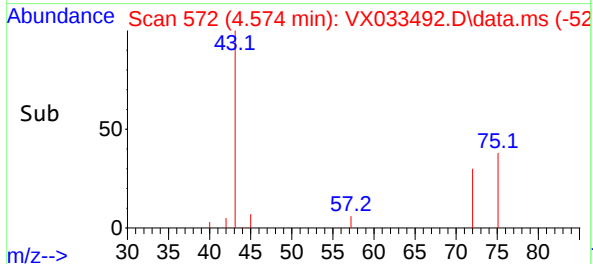
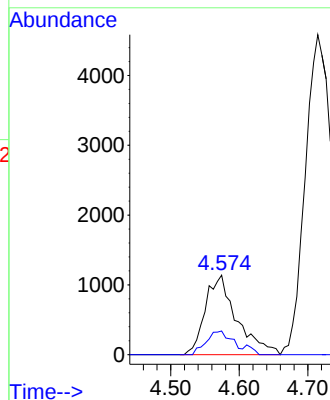
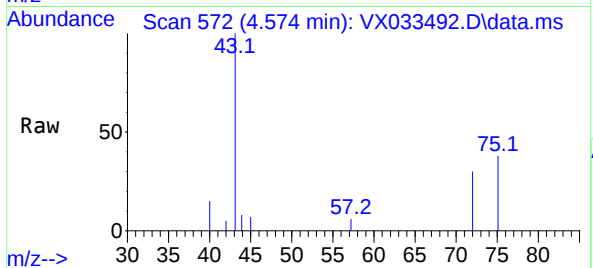
ClientSampleId :

Tgt Ion: 43 Resp: 3626

Ion Ratio Lower Upper

43 100

72 29.8 22.2 33.2



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

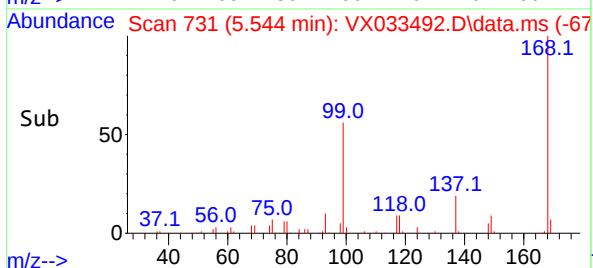
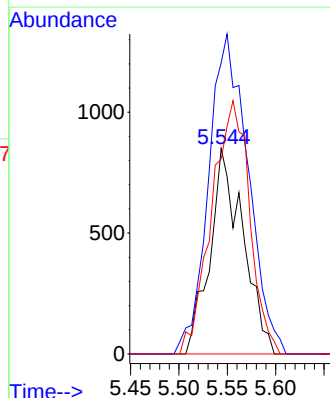
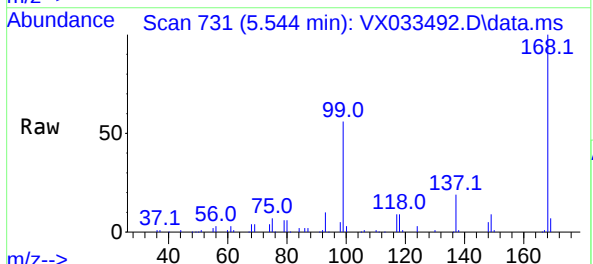
Tgt Ion: 56 Resp: 2017

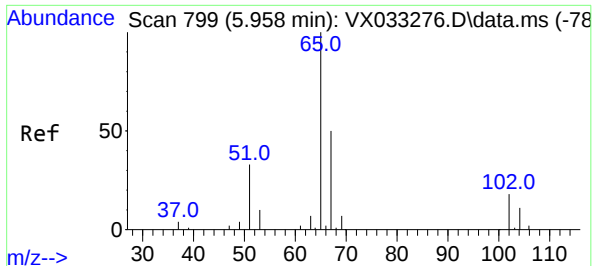
Ion Ratio Lower Upper

56 100

69 135.6 24.1 36.1#

84 94.8 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 54.334 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

Instrument :

MSVOA_X

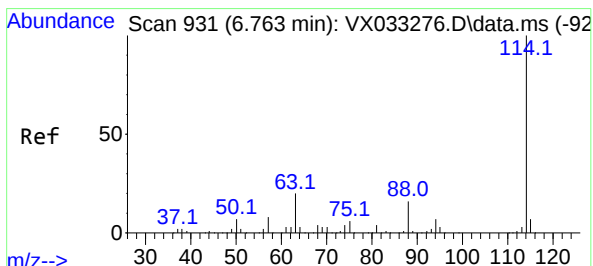
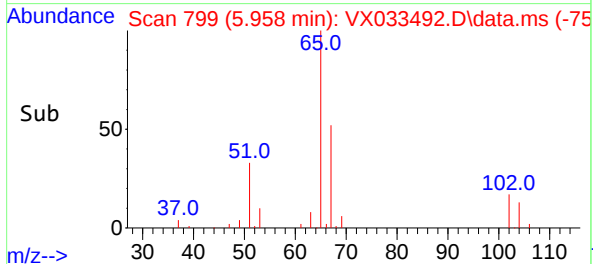
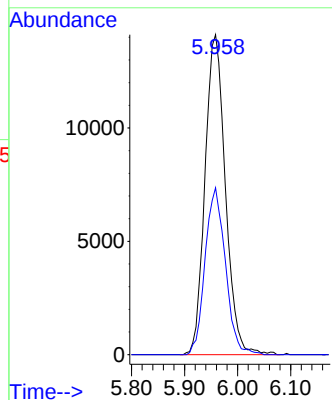
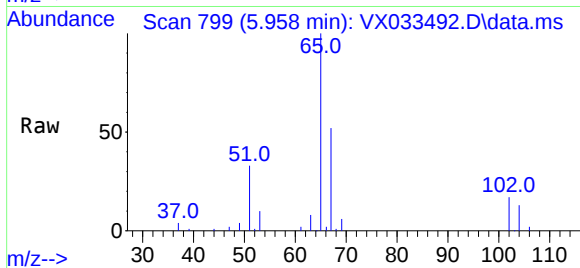
ClientSampleId :

Tgt Ion: 65 Resp: 37722

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

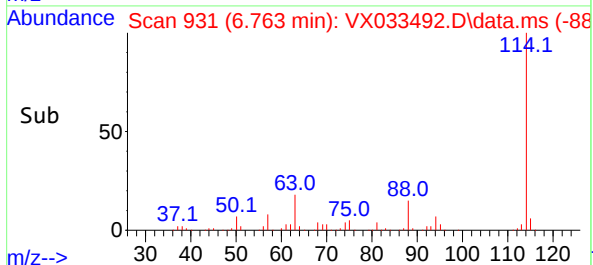
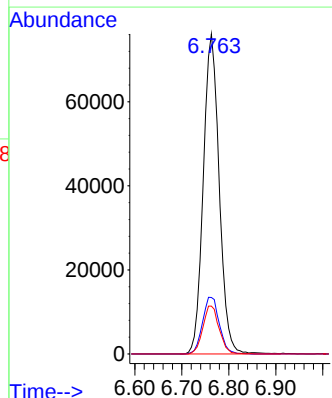
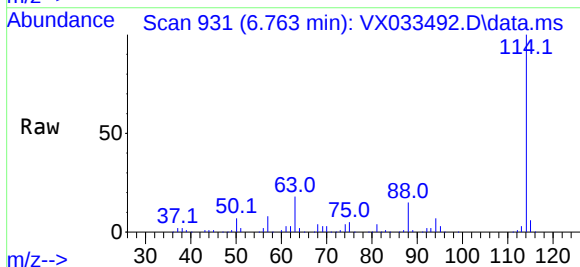
Tgt Ion: 114 Resp: 178568

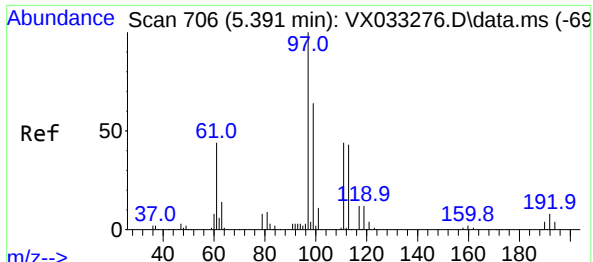
Ion Ratio Lower Upper

114 100

63 17.6 0.0 41.6

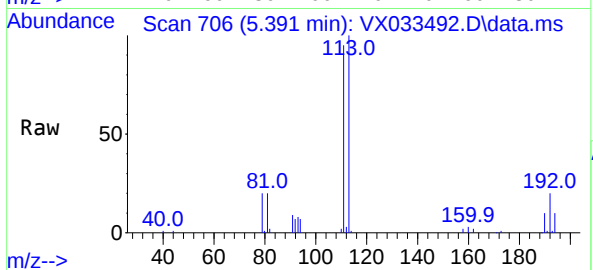
88 14.9 0.0 33.4



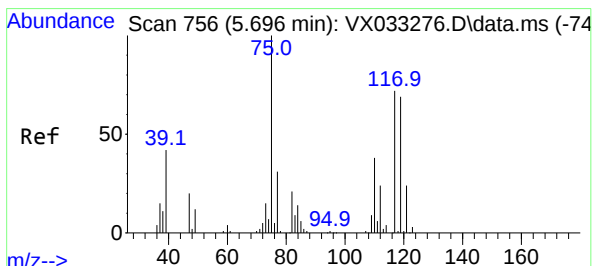
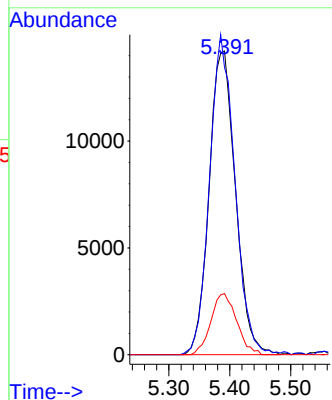
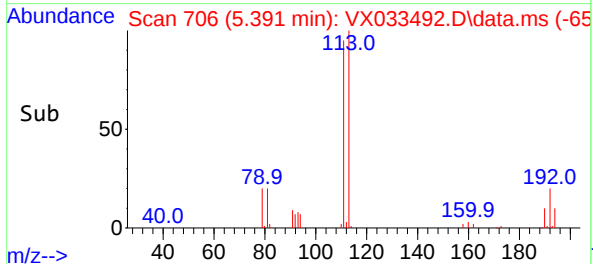


#35
Dibromofluoromethane
Concen: 53.308 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

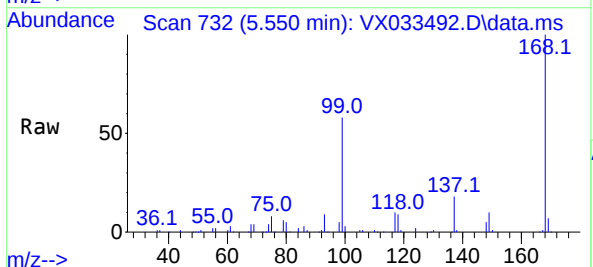
Instrument :
MSVOA_X
ClientSampleId :



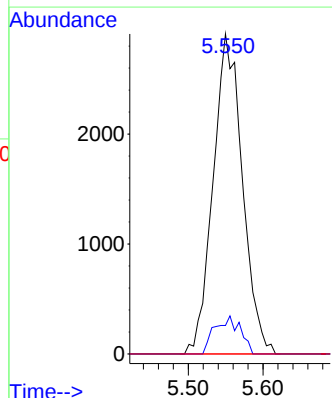
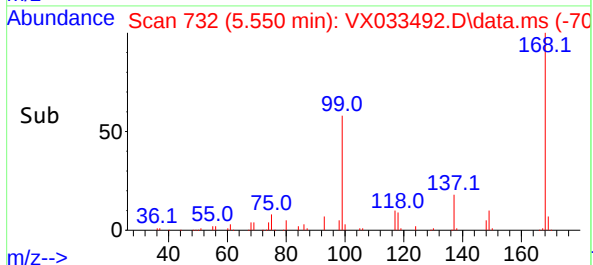
Tgt Ion:113 Resp: 42815
Ion Ratio Lower Upper
113 100
111 101.0 82.4 123.6
192 19.5 15.4 23.2

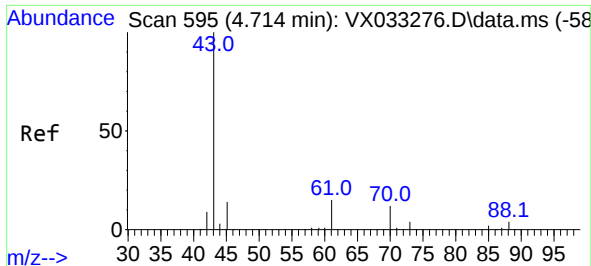


#36
1,1-Dichloropropene
Concen: 5.058 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36



Tgt Ion: 75 Resp: 7921
Ion Ratio Lower Upper
75 100
110 10.3 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 9.555 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

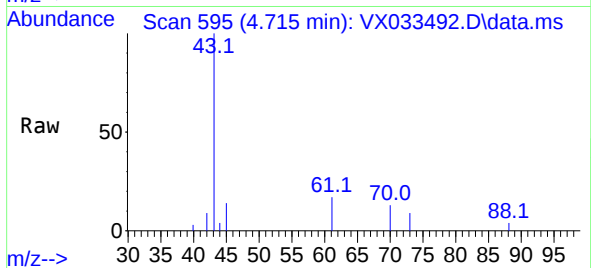
Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

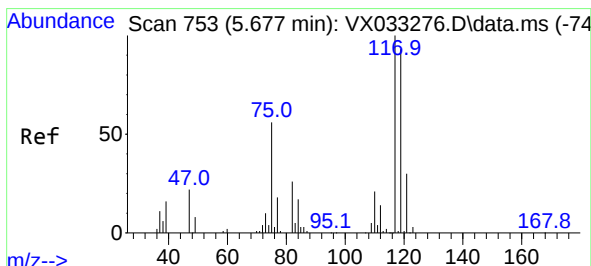
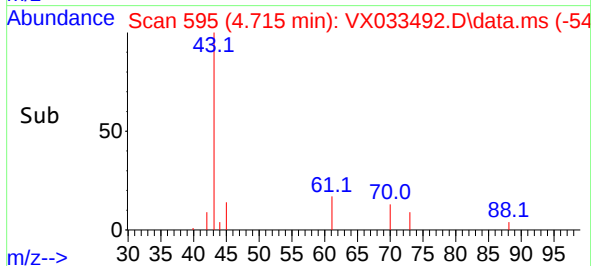
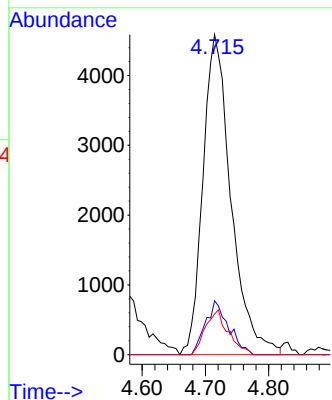
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 14144
Ion Ratio	Lower Upper
43	100
61	13.9 11.5 17.3
70	11.4 9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.231 ug/l

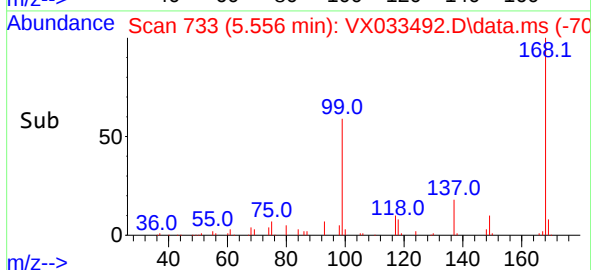
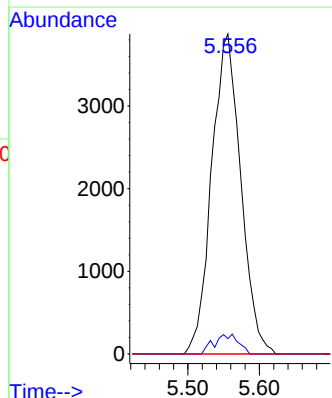
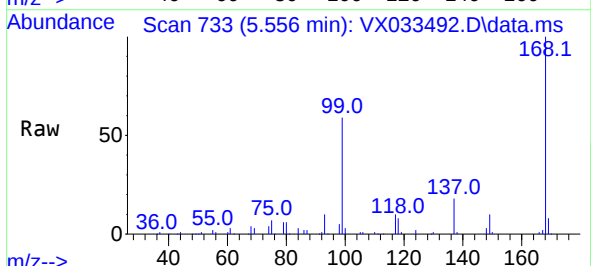
RT: 5.556 min Scan# 733

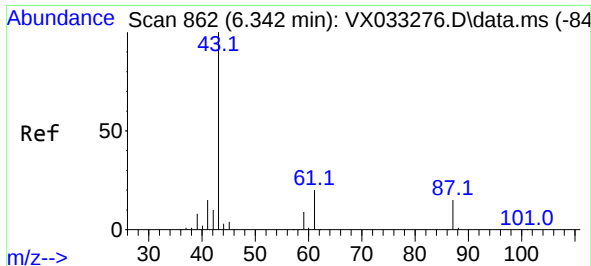
Delta R.T. -0.122 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

Tgt Ion: 117	Resp: 10932
Ion Ratio	Lower Upper
117	100
119	4.8 77.2 115.8#
121	0.0 25.8 38.6#

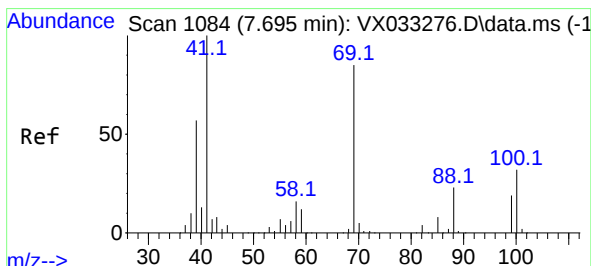
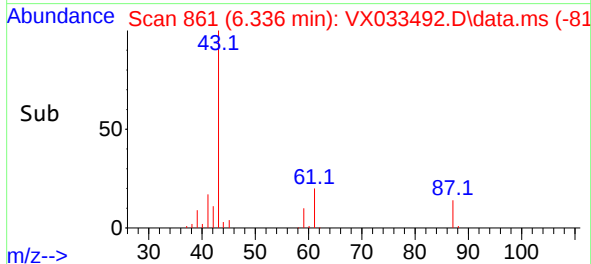
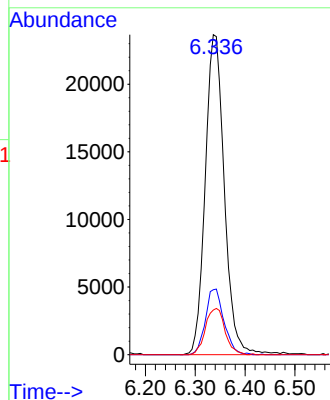
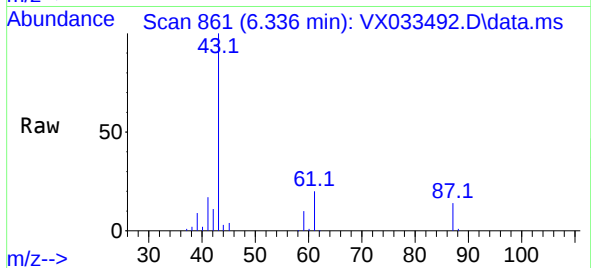




#43
Isopropyl Acetate
Concen: 26.450 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

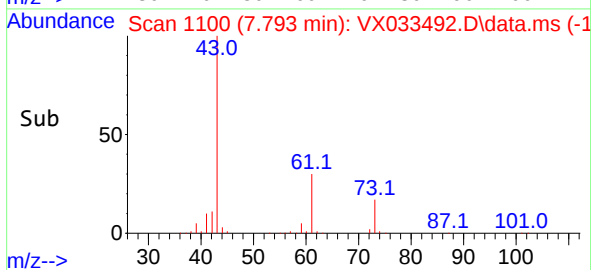
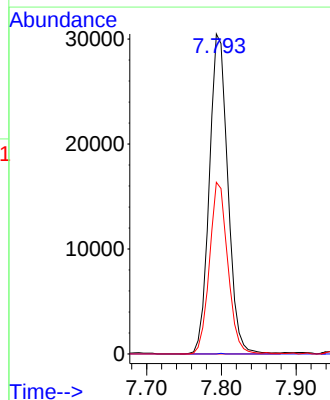
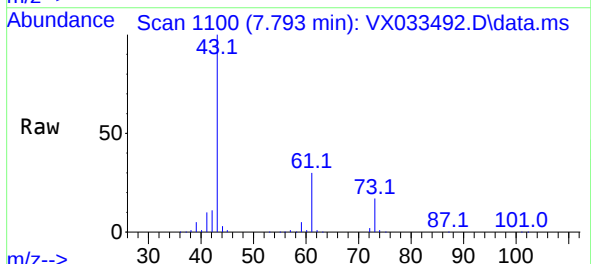
Instrument :
MSVOA_X
ClientSampleId :

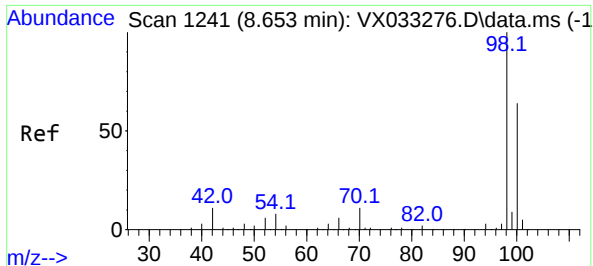
Tgt Ion: 43 Resp: 62995
Ion Ratio Lower Upper
43 100
61 19.8 15.4 23.0
87 14.8 10.8 16.2



#48
Methyl methacrylate
Concen: 42.640 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

Tgt Ion: 41 Resp: 52413
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 52.9 51.9 77.9





#50

Toluene-d8

Concen: 53.088 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

Instrument :

MSVOA_X

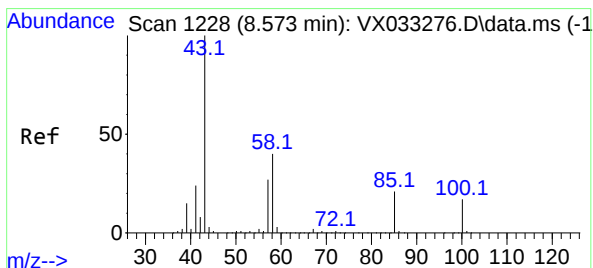
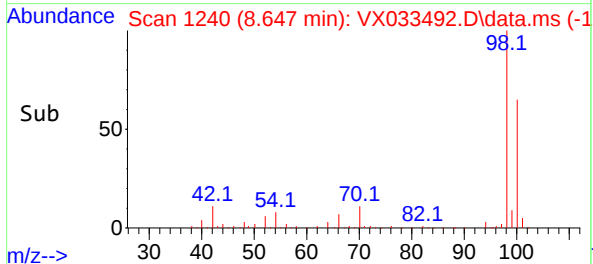
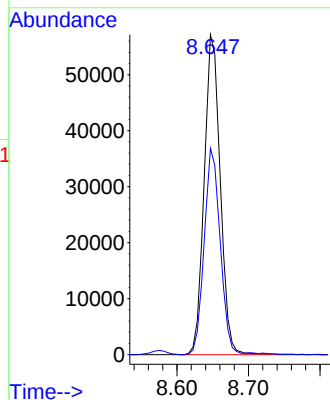
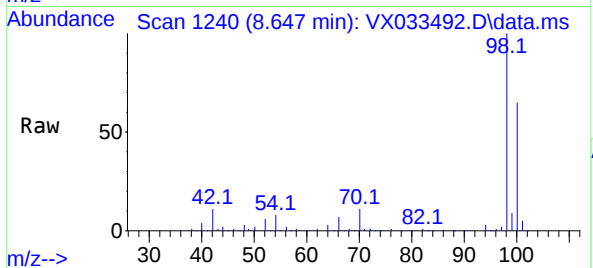
ClientSampleId :

Tgt Ion: 98 Resp: 89198

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 37.844 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX033492.D

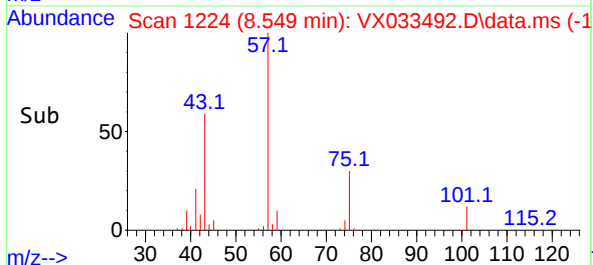
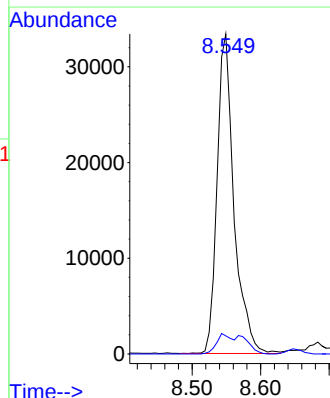
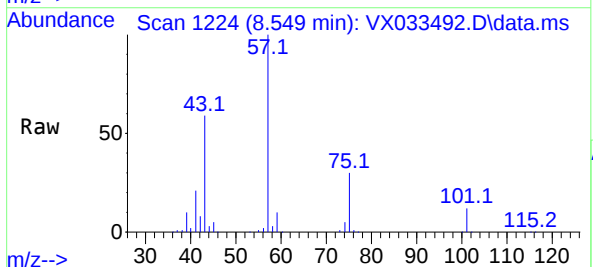
Acq: 19 Dec 2022 18:36

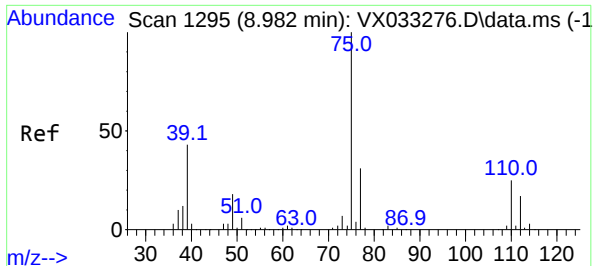
Tgt Ion: 43 Resp: 56999

Ion Ratio Lower Upper

43 100

58 6.0 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 2.672 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

Instrument :

MSVOA_X

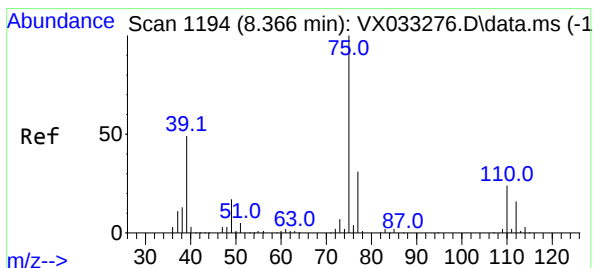
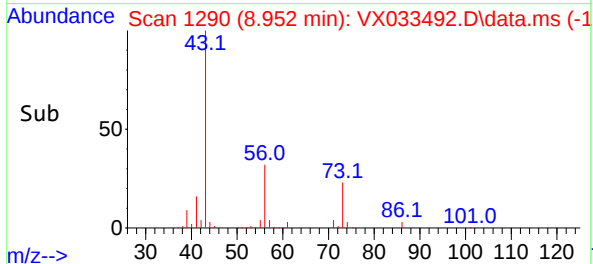
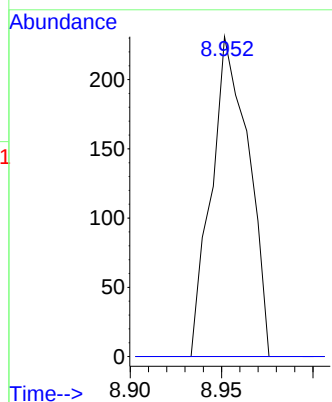
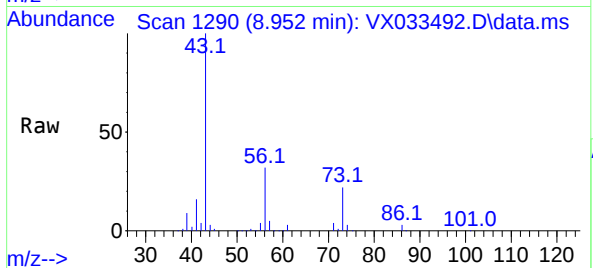
ClientSampleId :

Tgt Ion: 75 Resp: 326

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 13.628 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

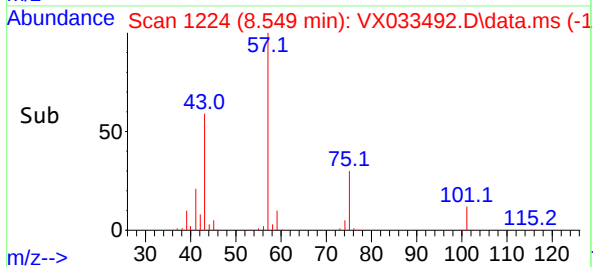
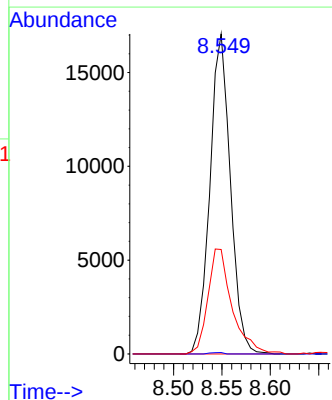
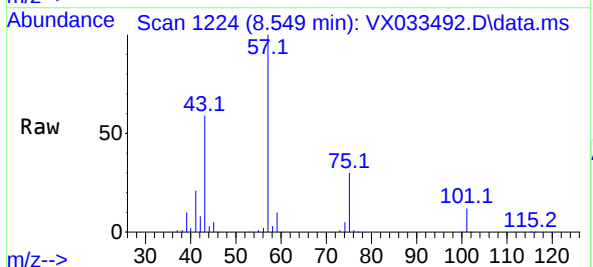
Tgt Ion: 75 Resp: 25144

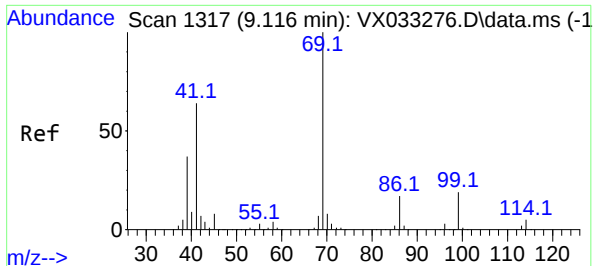
Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

39 32.7 45.5 68.3#





#56

Ethyl methacrylate

Concen: 0.293 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

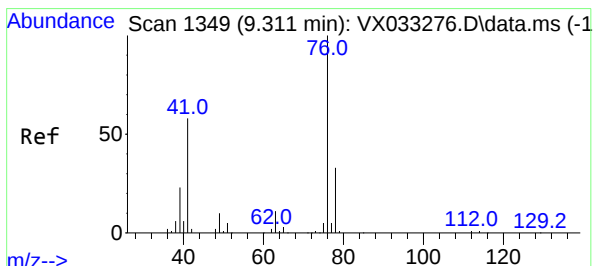
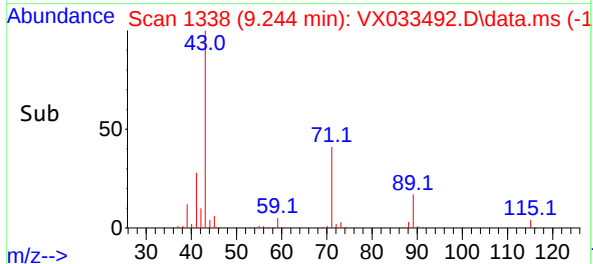
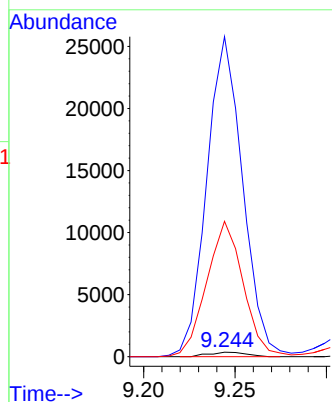
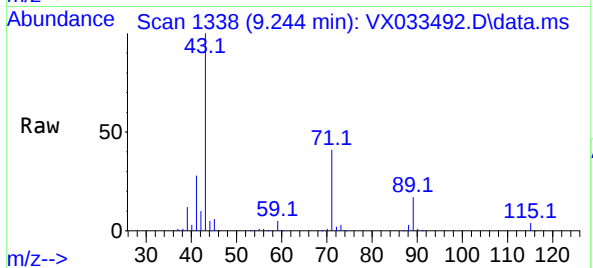
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 512

Ion	Ratio	Lower	Upper
69	100		
41	6894.9	54.3	81.5#
39	2969.1	35.2	52.8#



#57

1,3-Dichloropropane

Concen: 1.450 ug/l

RT: 9.482 min Scan# 1377

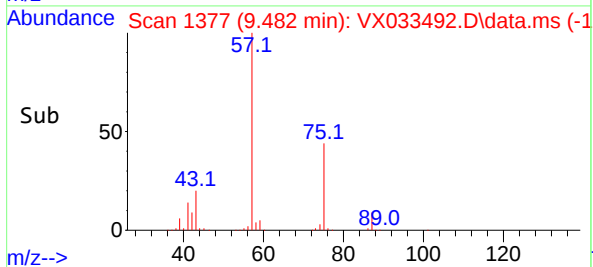
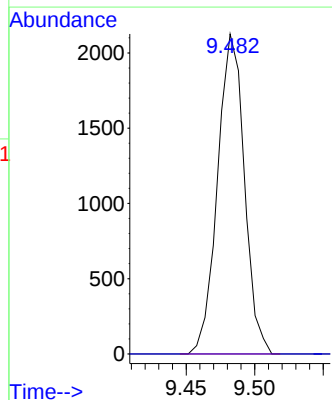
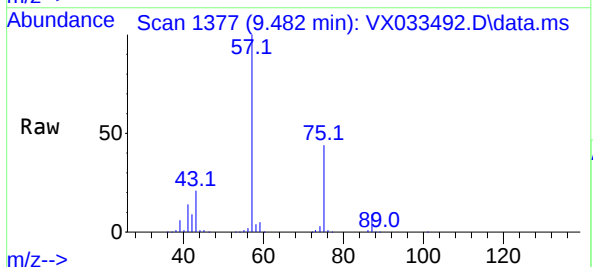
Delta R.T. 0.171 min

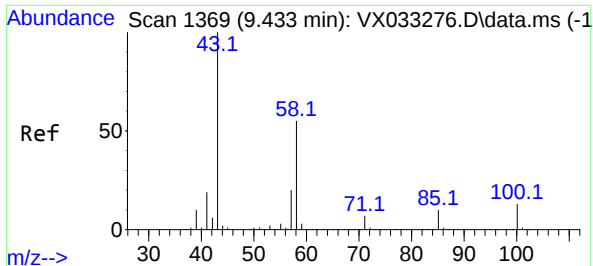
Lab File: VX033492.D

Acq: 19 Dec 2022 18:36

Tgt Ion: 76 Resp: 2891

Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.0	39.0#

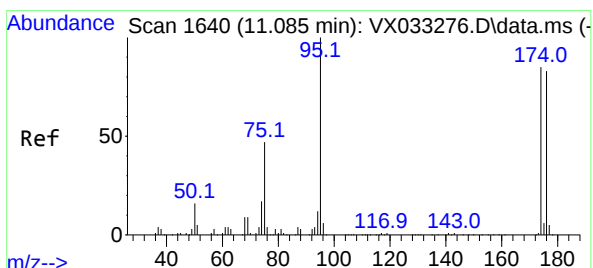
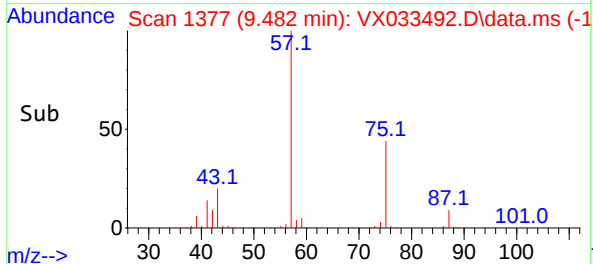
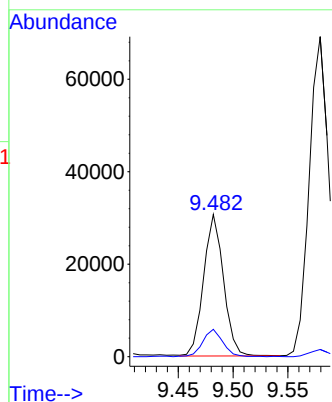
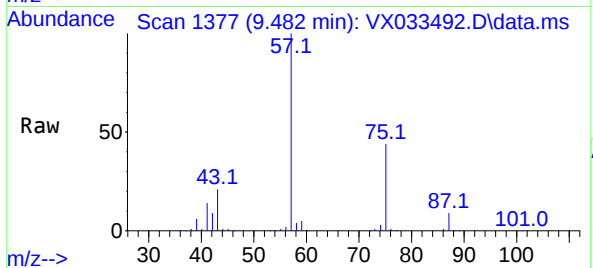




#59
2-Hexanone
Concen: 34.741 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

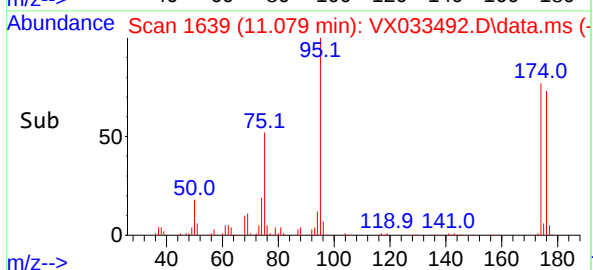
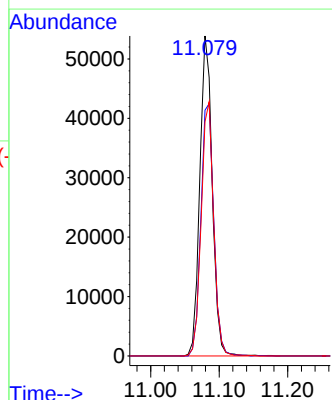
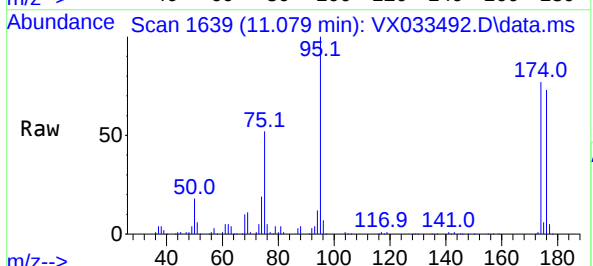
Instrument :
MSVOA_X
ClientSampleId :

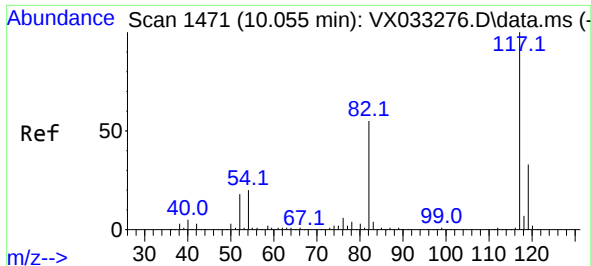
Tgt Ion: 43 Resp: 38560
Ion Ratio Lower Upper
43 100
58 19.6 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 52.990 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

Tgt Ion: 95 Resp: 68075
Ion Ratio Lower Upper
95 100
174 81.7 0.0 164.0
176 79.7 0.0 154.4

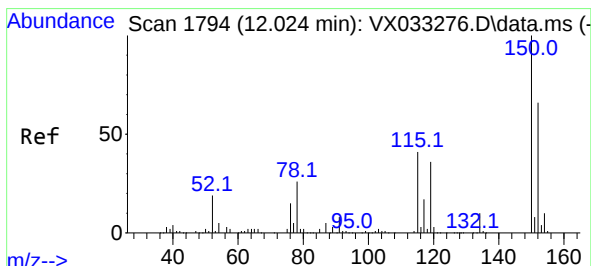
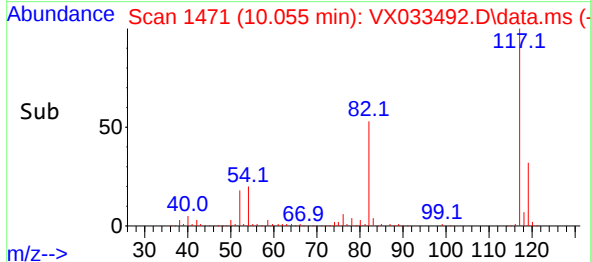
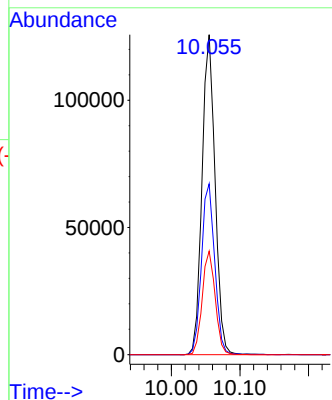
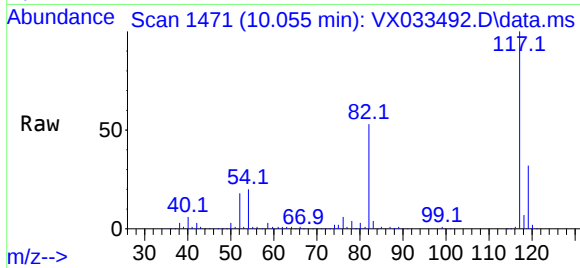




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

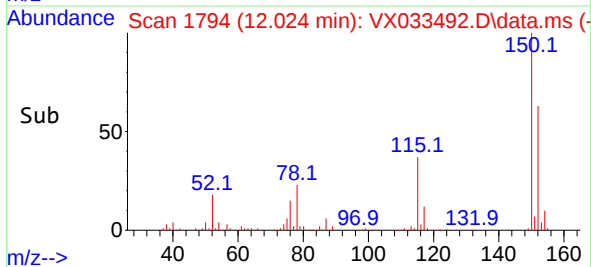
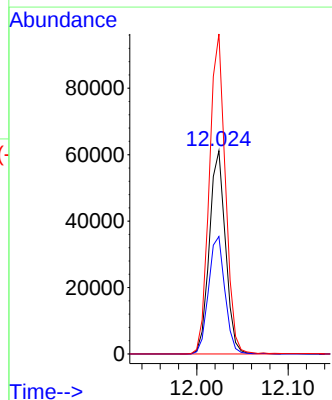
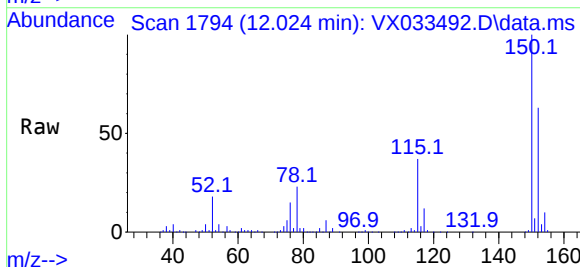
Instrument :
MSVOA_X
ClientSampleId :

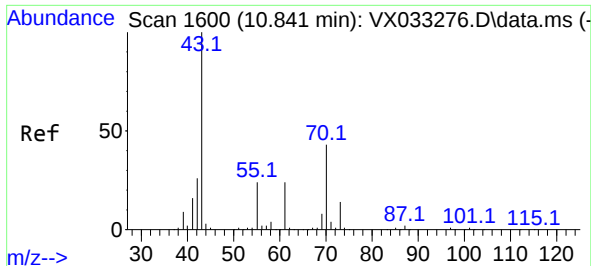
Tgt Ion:117 Resp: 166732
Ion Ratio Lower Upper
117 100
82 53.4 44.3 66.5
119 32.4 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

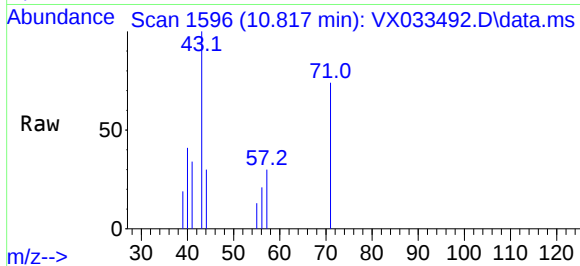
Tgt Ion:152 Resp: 74906
Ion Ratio Lower Upper
152 100
115 58.9 44.0 132.0
150 157.1 0.0 351.8



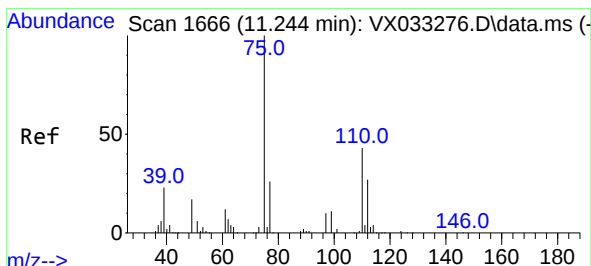
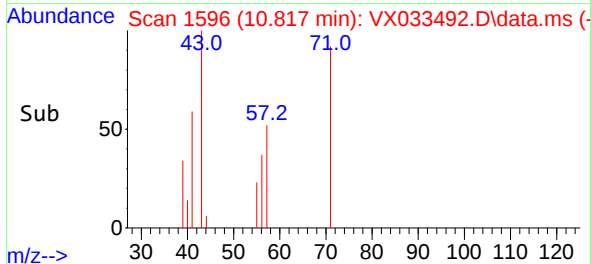
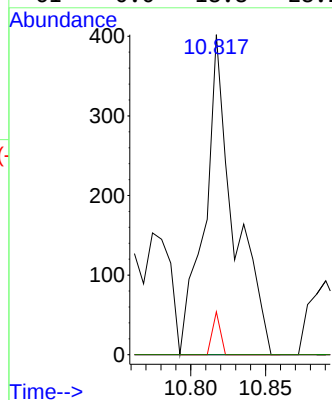


#74
N-amy1 acetate
Concen: 0.295 ug/l
RT: 10.817 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

Instrument :
MSVOA_X
ClientSampleId :

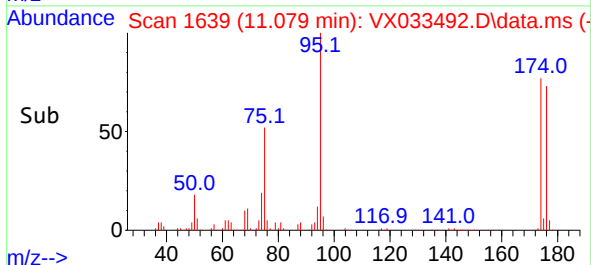
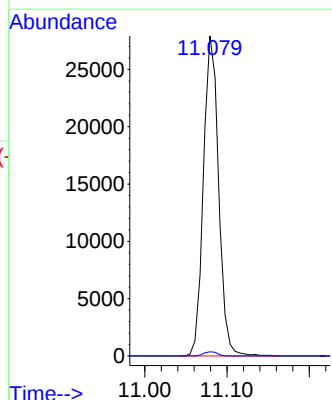
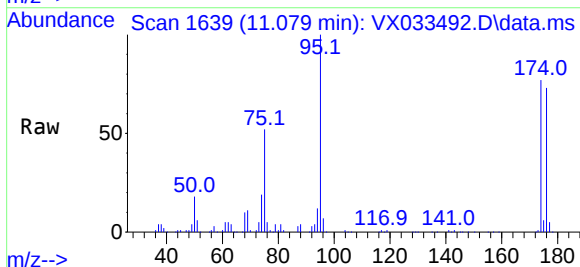


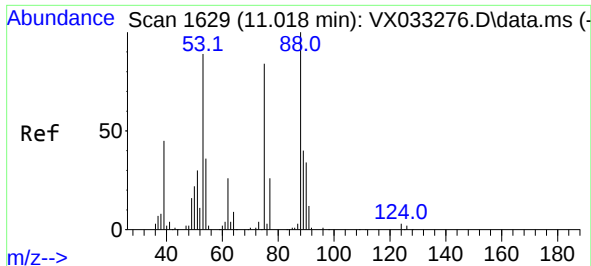
Tgt Ion: 43	Resp: 547
Ion Ratio	Lower Upper
43 100	
70 0.0	33.6 50.4#
55 3.7	19.4 29.2#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 23.534 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033492.D
Acq: 19 Dec 2022 18:36

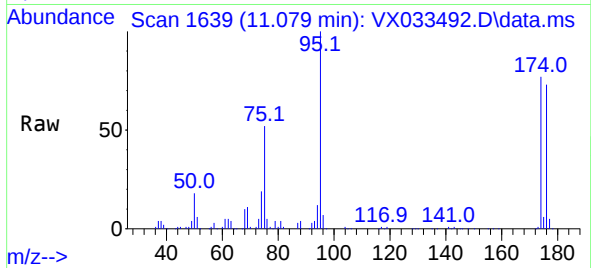
Tgt Ion: 75	Resp: 35865		
Ion Ratio	Lower	Upper	
75 100			
77 1.2	20.0	60.0#	





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.206 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033492.D
 Acq: 19 Dec 2022 18:36

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 35865
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

