

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121922\
 Data File : VX033488.D
 Acq On : 19 Dec 2022 16:40
 Operator : JC/MD
 Sample : PB149722ZHE#17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 20 05:01:50 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

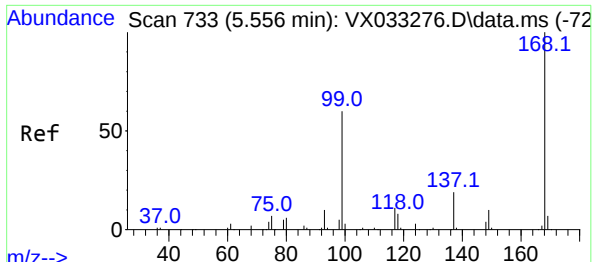
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	112531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186866	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37236	51.579	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.160%
35) Dibromofluoromethane	5.391	113	41193	49.011	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.020%
50) Toluene-d8	8.647	98	87159	49.571	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.140%
62) 4-Bromofluorobenzene	11.079	95	66793	49.683	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.360%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	1294	5.863	ug/l #	72
16) Acetone	2.380	43	28244	52.871	ug/l	99
18) Methyl Acetate	2.709	43	1460	0.944	ug/l #	87
20) Methylene Chloride	2.794	84	6711	5.633	ug/l	87
25) 2-Butanone	4.562	43	4221	5.505	ug/l	98
29) Tetrahydrofuran	5.032	42	260	0.523	ug/l #	31
31) Cyclohexane	5.556	56	2222	1.295	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8317	5.075	ug/l #	51
37) Ethyl Acetate	4.715	43	16424	10.603	ug/l	98
38) Carbon Tetrachloride	5.550	117	11498	6.263	ug/l #	15
43) Isopropyl Acetate	6.342	43	74222	29.780	ug/l	99
48) Methyl methacrylate	7.799	41	70063	54.468	ug/l #	42
49) 1,4-Dioxane	7.793	88	93	3.171	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65789	41.741	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	540	2.769	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28865	14.950	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	3944	1.891	ug/l #	42
59) 2-Hexanone	9.482	43	51986	44.758	ug/l #	51
74) N-amyl acetate	10.640	43	19243	10.144	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	33867	21.700	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33867	67.502	ug/l #	6

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

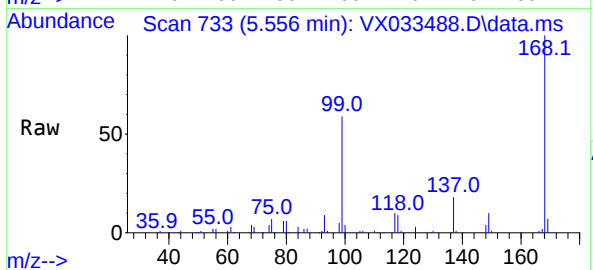
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration



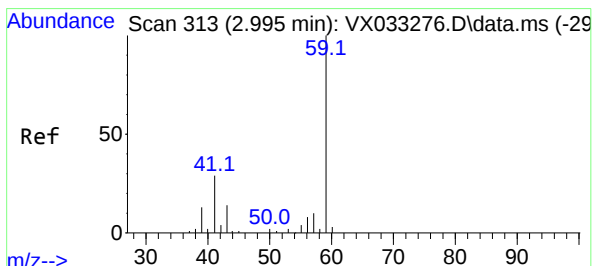
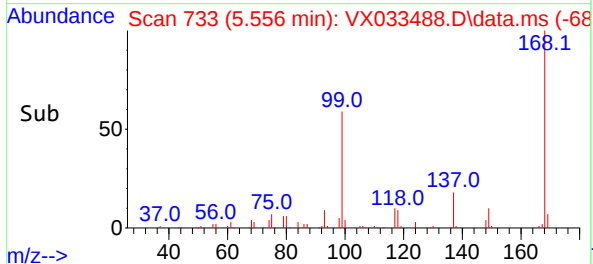
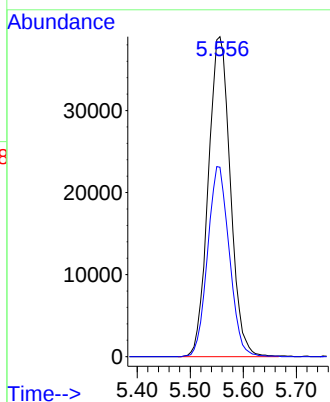


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

Instrument :
MSVOA_X
ClientSampleId :

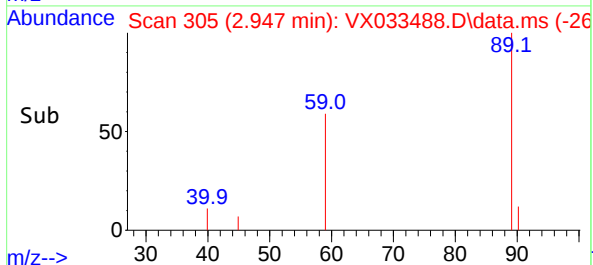
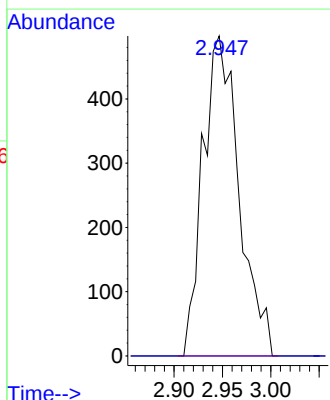
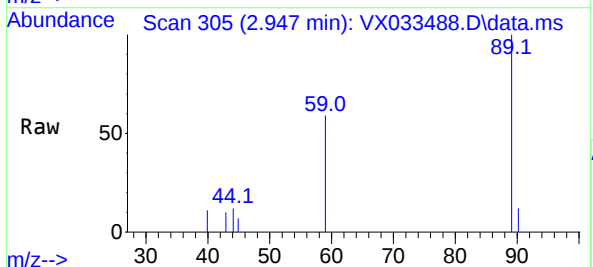


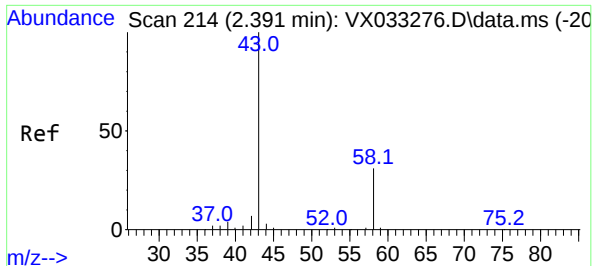
Tgt Ion:168 Resp: 112531
Ion Ratio Lower Upper
168 100
99 59.2 46.1 69.1



#11
Tert butyl alcohol
Concen: 5.863 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

Tgt Ion: 59 Resp: 1294
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

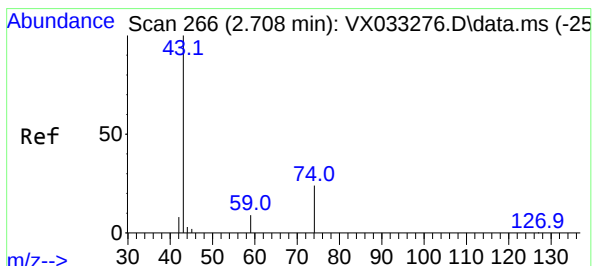
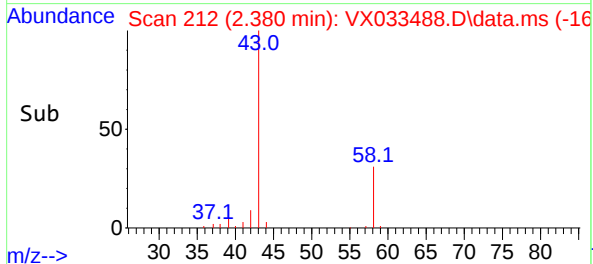
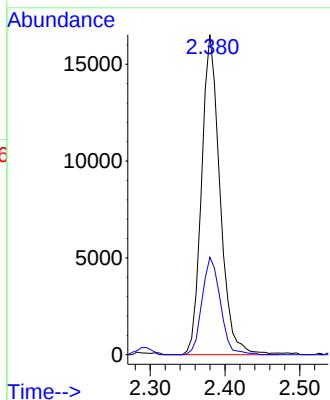
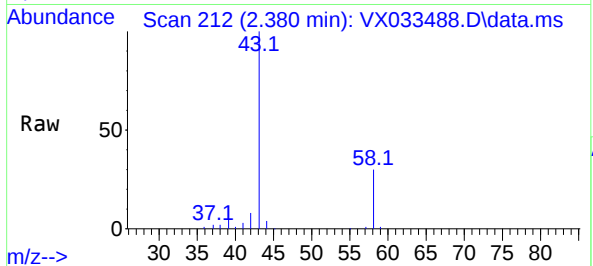




#16
Acetone
Concen: 52.871 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

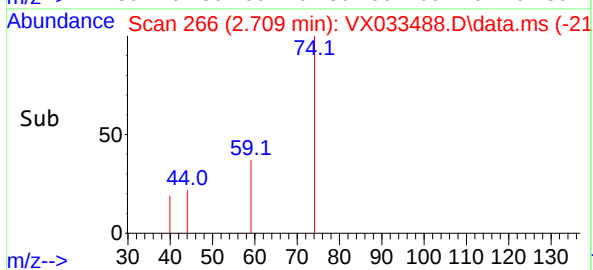
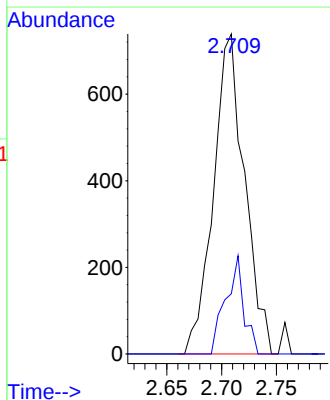
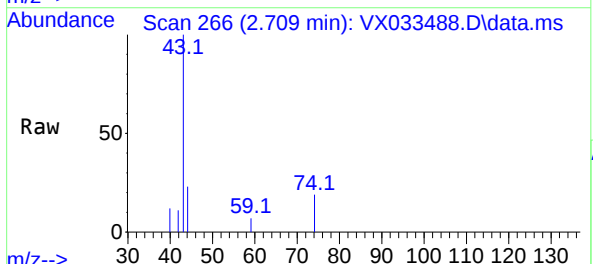
Instrument :
MSVOA_X
ClientSampleId :

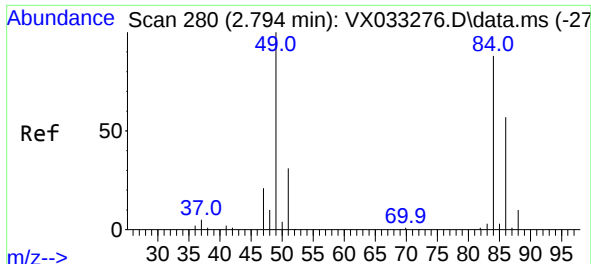
Tgt Ion: 43 Resp: 28244
Ion Ratio Lower Upper
43 100
58 30.4 23.8 35.8



#18
Methyl Acetate
Concen: 0.944 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

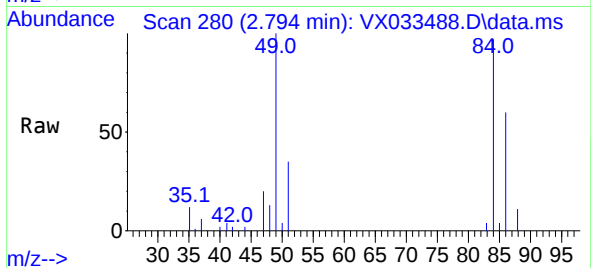
Tgt Ion: 43 Resp: 1460
Ion Ratio Lower Upper
43 100
74 17.8 19.4 29.0#





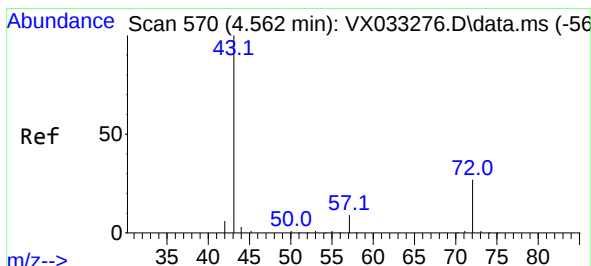
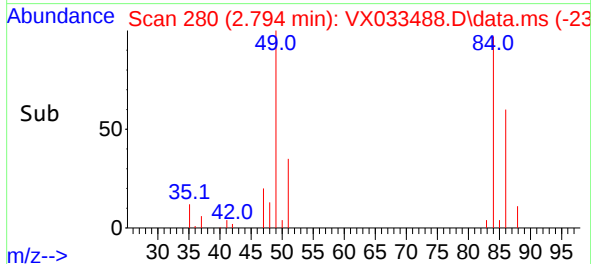
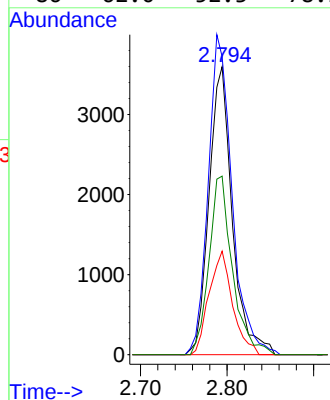
#20
Methylene Chloride
Concen: 5.633 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 6711

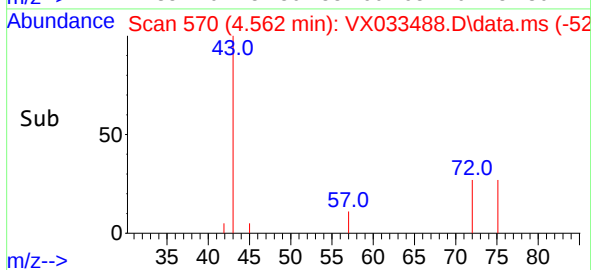
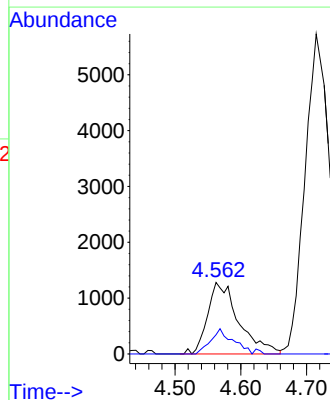
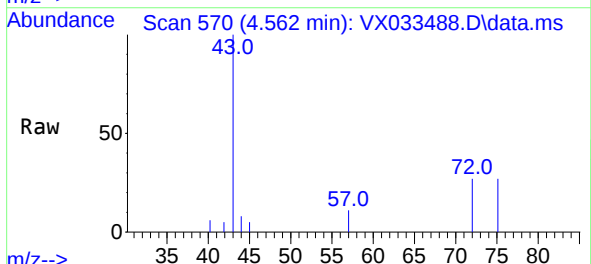
Ion	Ratio	Lower	Upper
84	100		
49	103.5	101.0	151.6
51	36.0	31.1	46.7
86	62.0	52.3	78.5

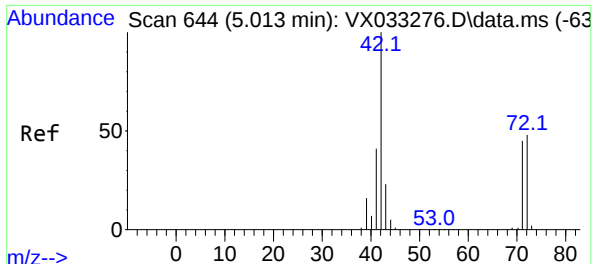


#25
2-Butanone
Concen: 5.505 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

Tgt Ion: 43 Resp: 4221

Ion	Ratio	Lower	Upper
43	100		
72	26.8	22.2	33.2





#29

Tetrahydrofuran

Concen: 0.523 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX033488.D

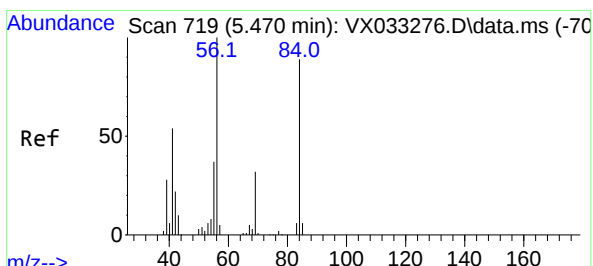
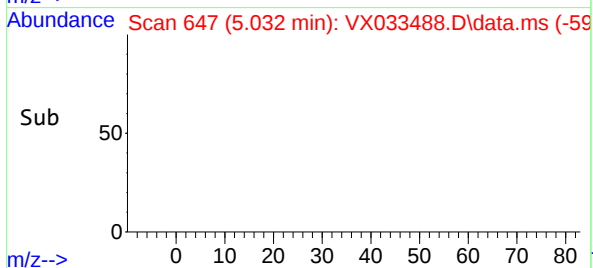
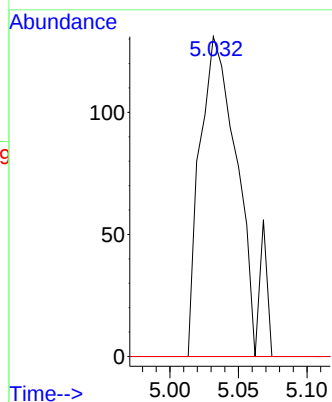
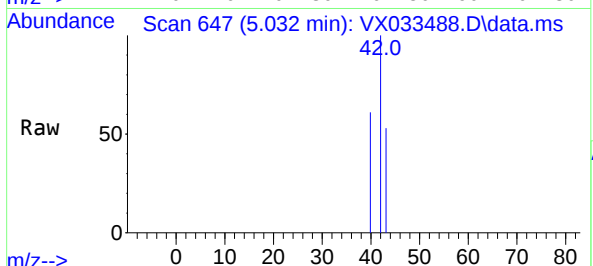
Acq: 19 Dec 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	260
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.6	56.4#
71	0.0	34.7	52.1#



#31

Cyclohexane

Concen: 1.295 ug/l

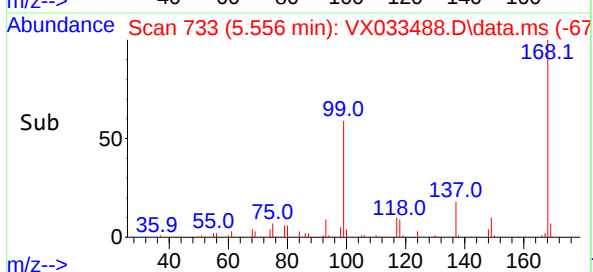
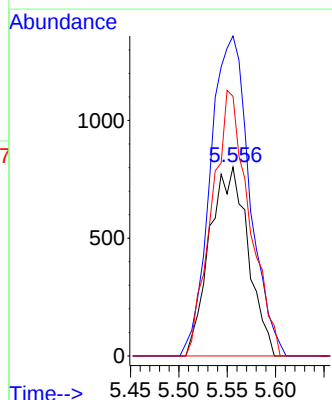
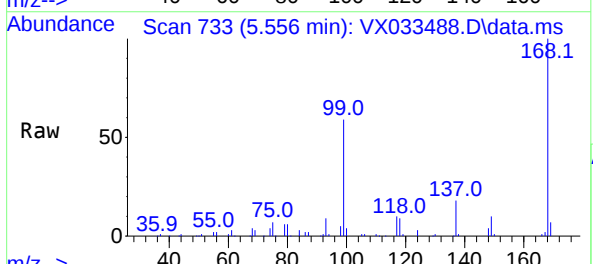
RT: 5.556 min Scan# 733

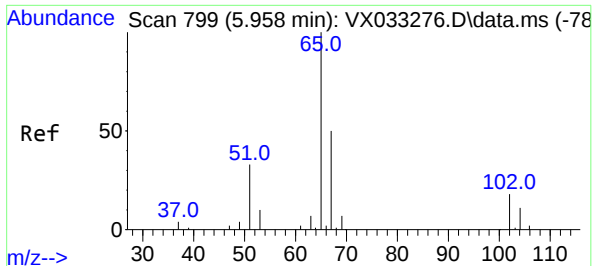
Delta R.T. 0.086 min

Lab File: VX033488.D

Acq: 19 Dec 2022 16:40

Tgt Ion:	56	Resp:	2222
Ion	Ratio	Lower	Upper
56	100		
69	169.5	24.1	36.1#
84	137.5	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 51.579 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033488.D

Acq: 19 Dec 2022 16:40

Instrument :

MSVOA_X

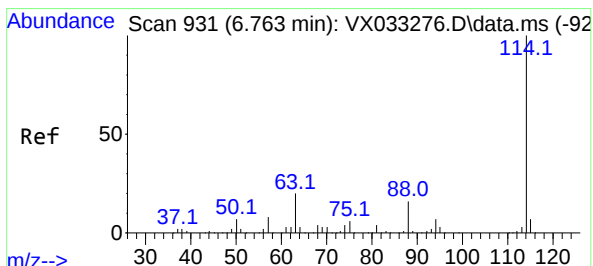
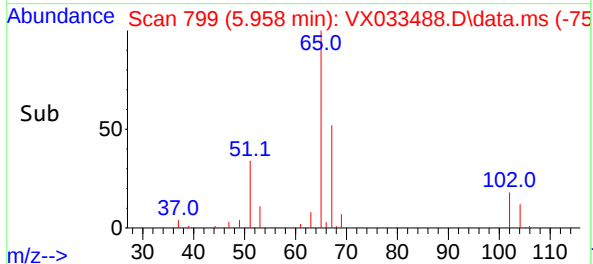
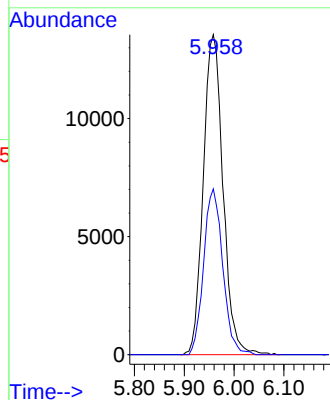
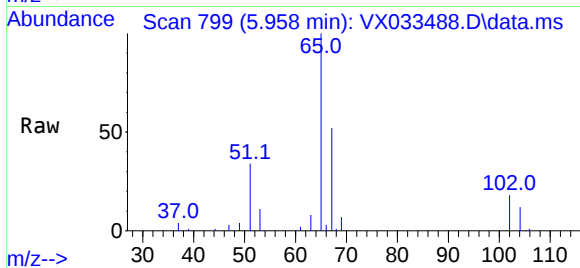
ClientSampleId :

Tgt Ion: 65 Resp: 37236

Ion Ratio Lower Upper

65 100

67 50.2 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: VX033488.D

Acq: 19 Dec 2022 16:40

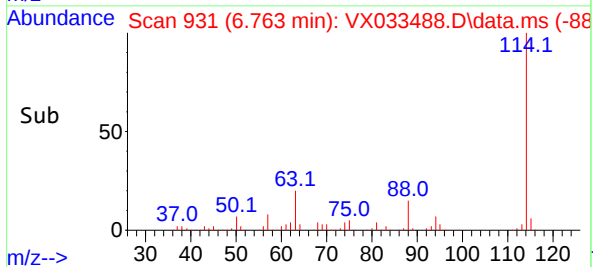
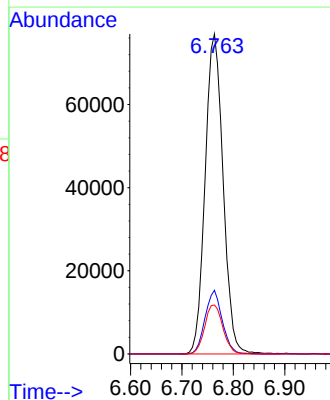
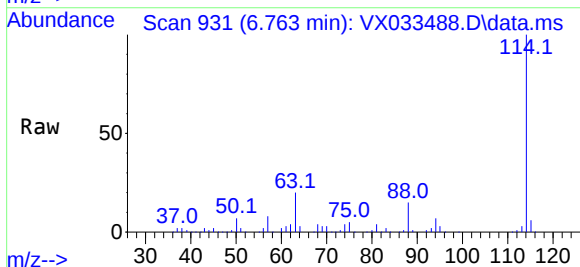
Tgt Ion:114 Resp: 186866

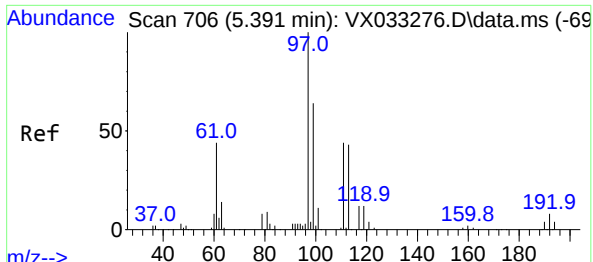
Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.6

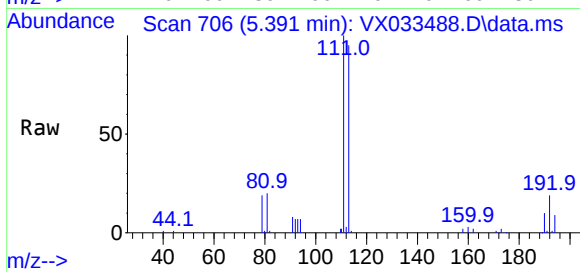
88 15.3 0.0 33.4



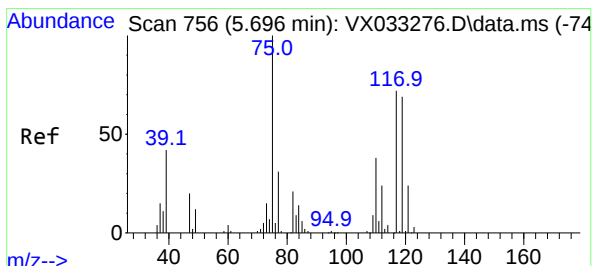
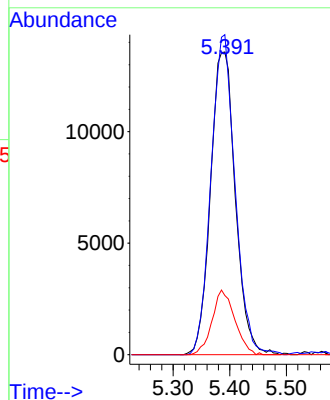
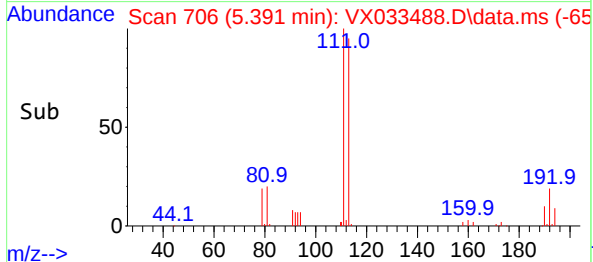


#35
Dibromofluoromethane
Concen: 49.011 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

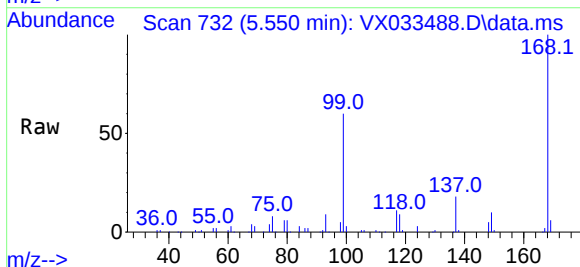
Instrument :
MSVOA_X
ClientSampleId :



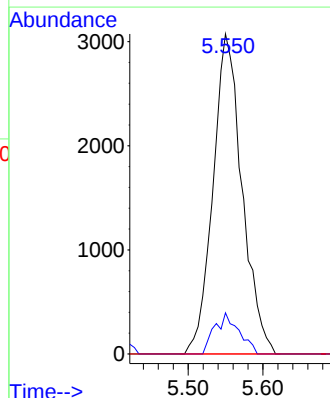
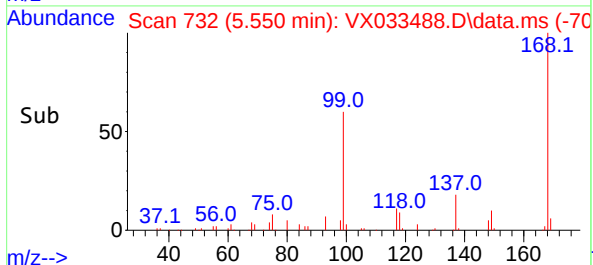
Tgt Ion:113 Resp: 41193
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 19.6 15.4 23.2

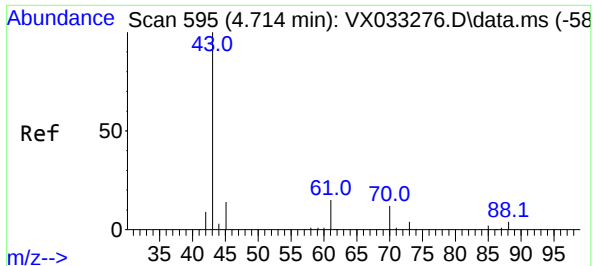


#36
1,1-Dichloropropene
Concen: 5.075 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40



Tgt Ion: 75 Resp: 8317
Ion Ratio Lower Upper
75 100
110 10.7 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 10.603 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

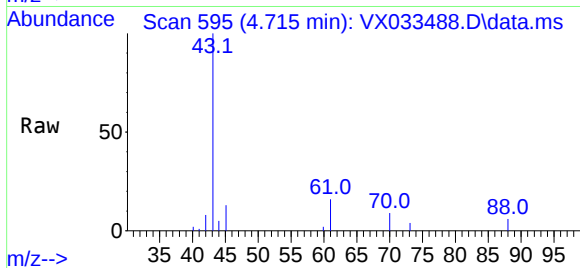
Lab File: VX033488.D

Acq: 19 Dec 2022 16:40

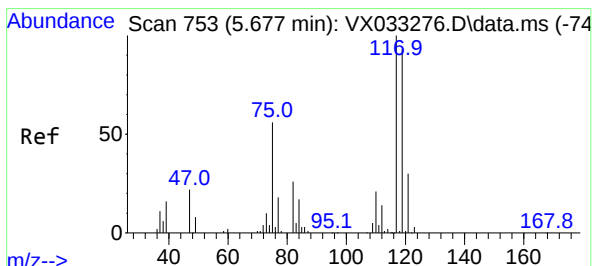
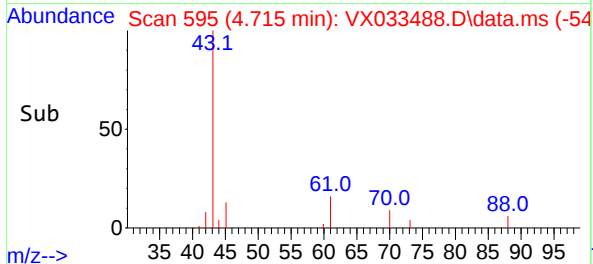
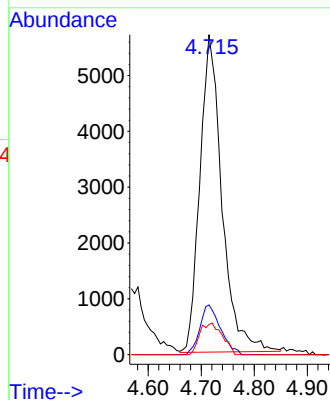
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	16424
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	10.2	9.1	13.7



#38

Carbon Tetrachloride

Concen: 6.263 ug/l

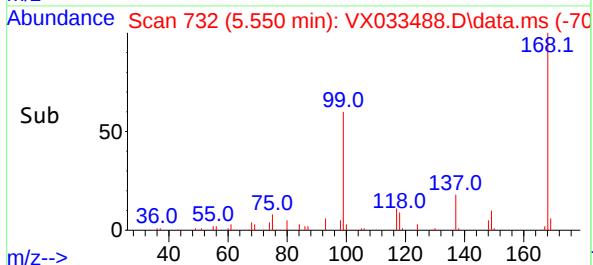
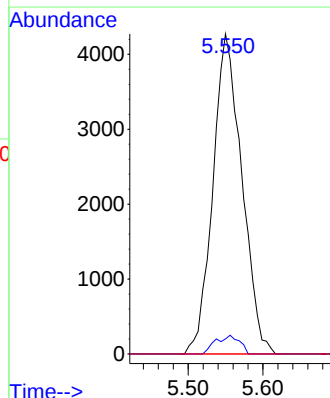
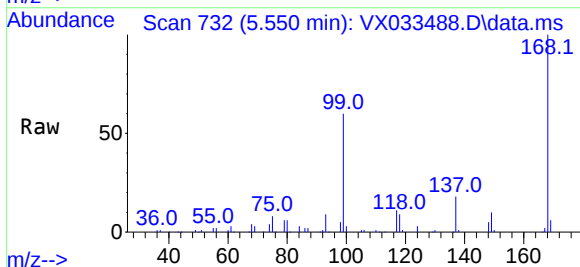
RT: 5.550 min Scan# 732

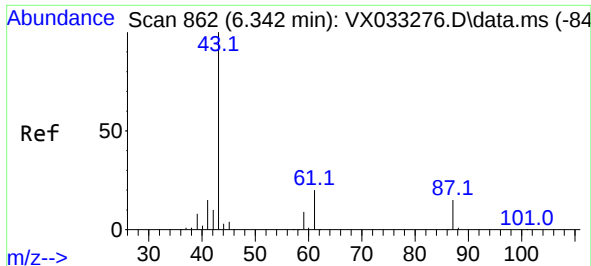
Delta R.T. -0.128 min

Lab File: VX033488.D

Acq: 19 Dec 2022 16:40

Tgt Ion:	117	Resp:	11498
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.2	115.8#
121	0.0	25.8	38.6#

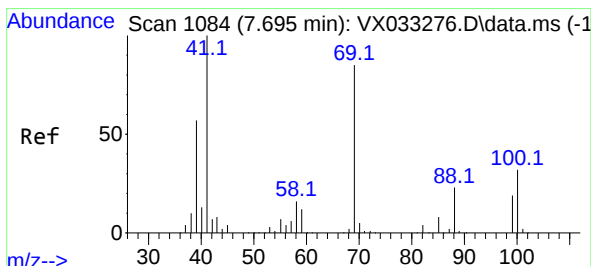
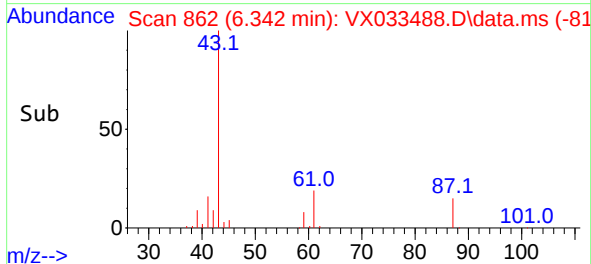
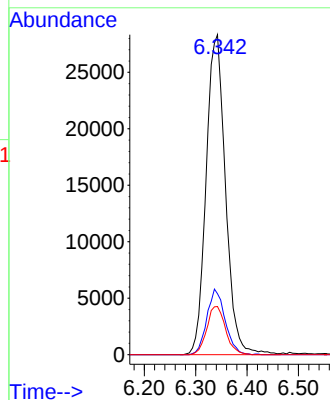
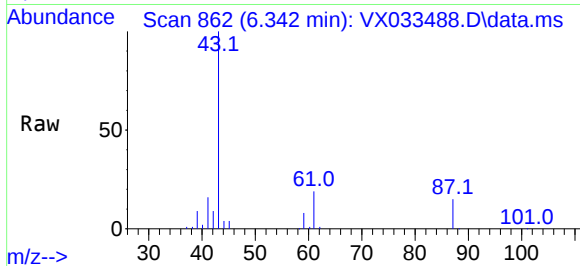




#43
Isopropyl Acetate
Concen: 29.780 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

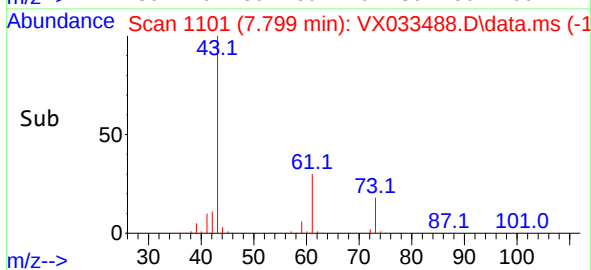
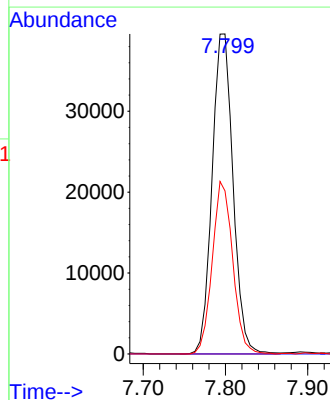
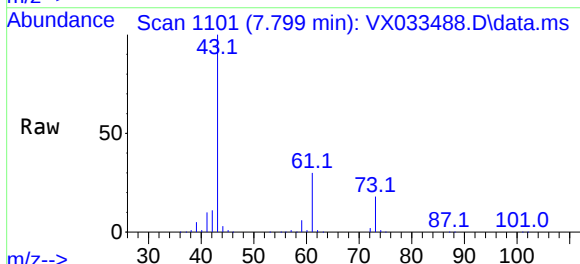
Instrument :
MSVOA_X
ClientSampleId :

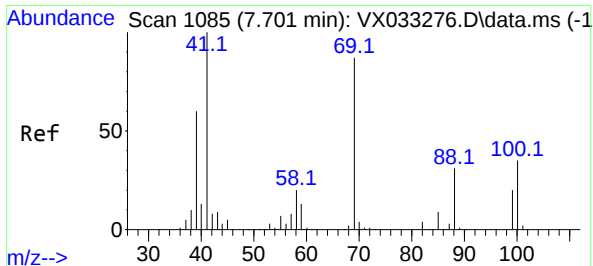
Tgt Ion: 43 Resp: 74222
Ion Ratio Lower Upper
43 100
61 19.3 15.4 23.0
87 14.6 10.8 16.2



#48
Methyl methacrylate
Concen: 54.468 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

Tgt Ion: 41 Resp: 70063
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 52.6 51.9 77.9





#49

1,4-Dioxane

Concen: 3.171 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.092 min

Lab File: VX033488.D

Acq: 19 Dec 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

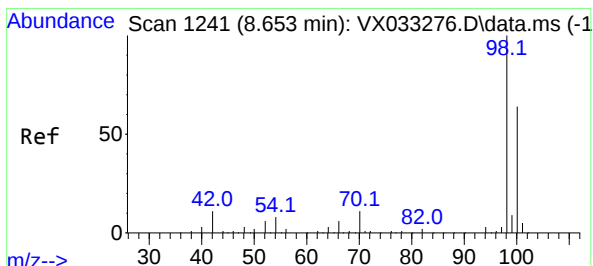
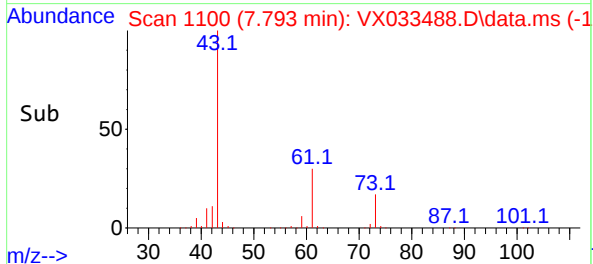
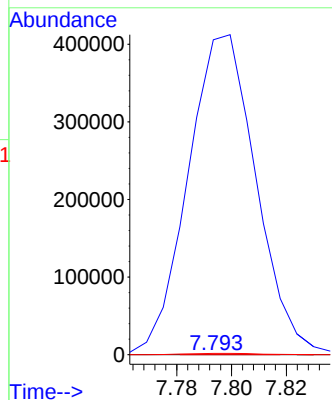
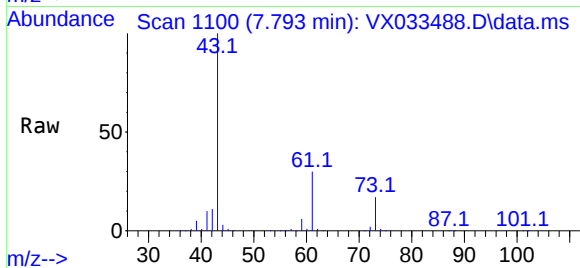
Tgt Ion: 88 Resp: 93

Ion Ratio Lower Upper

88 100

43 772895.7 26.6 39.8#

58 3477.4 51.7 77.5#



#50

Toluene-d8

Concen: 49.571 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033488.D

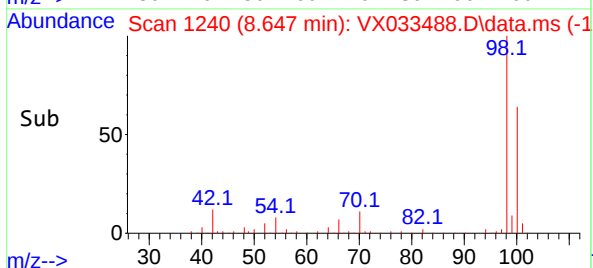
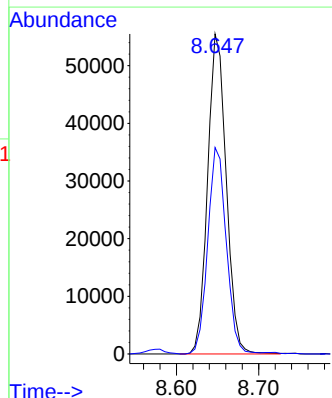
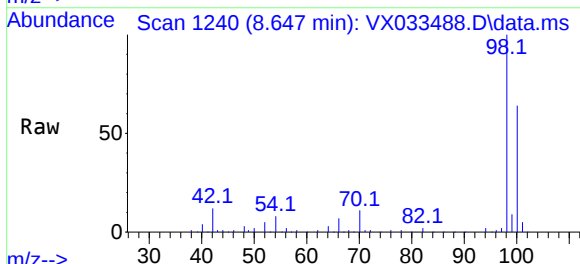
Acq: 19 Dec 2022 16:40

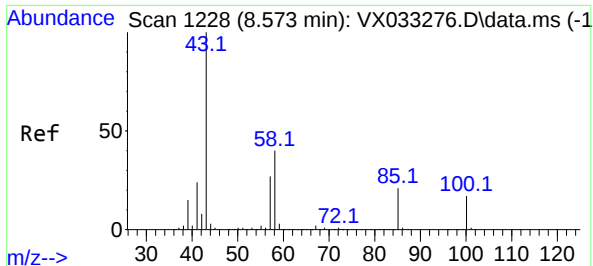
Tgt Ion: 98 Resp: 87159

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3

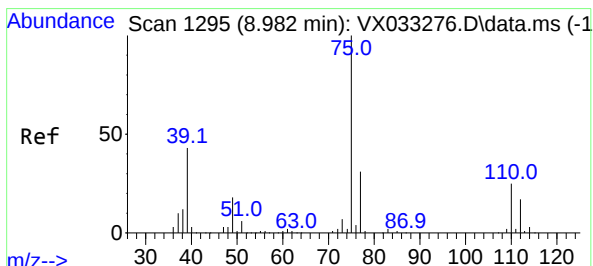
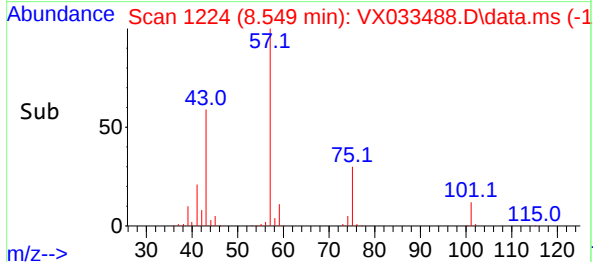
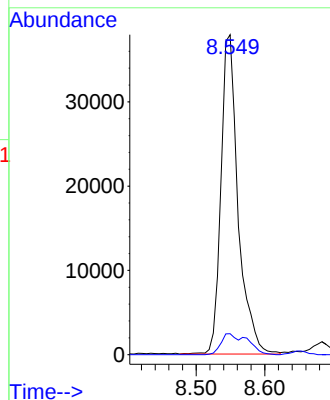
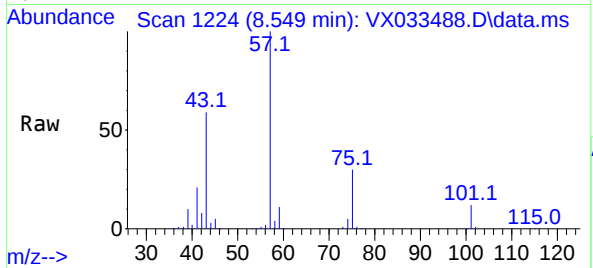




#51
4-Methyl-2-Pentanone
Concen: 41.741 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

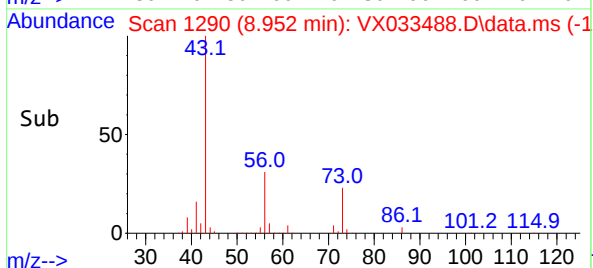
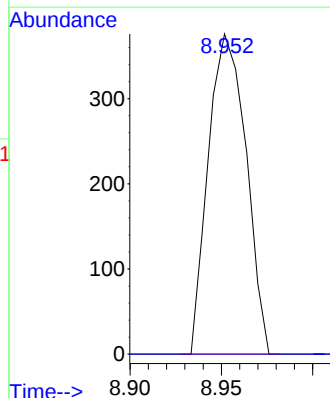
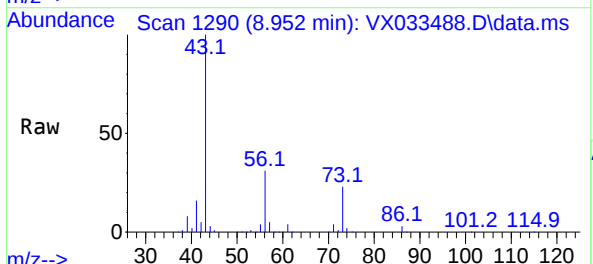
Instrument :
MSVOA_X
ClientSampleId :

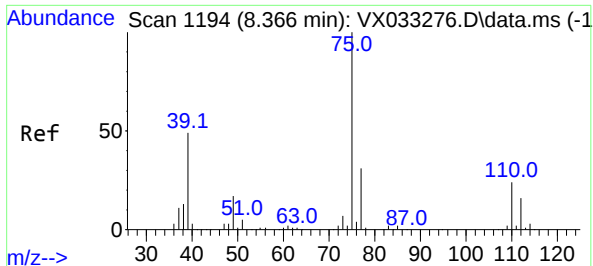
Tgt Ion: 43 Resp: 65789
Ion Ratio Lower Upper
43 100
58 6.2 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 2.769 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

Tgt Ion: 75 Resp: 540
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

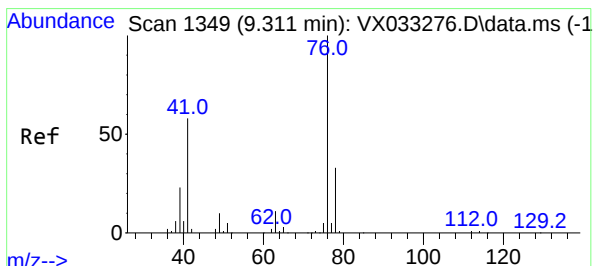
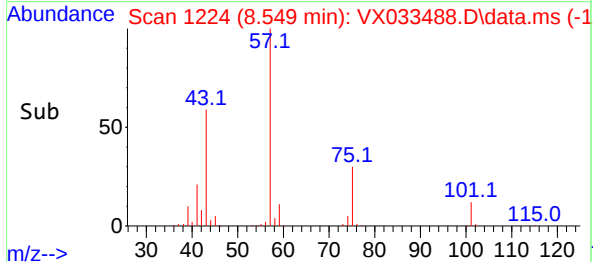
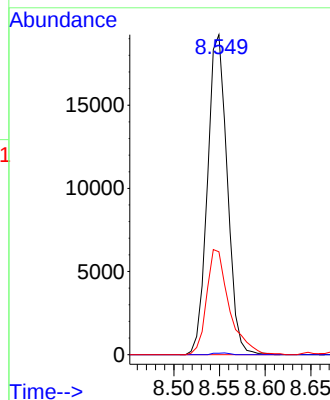
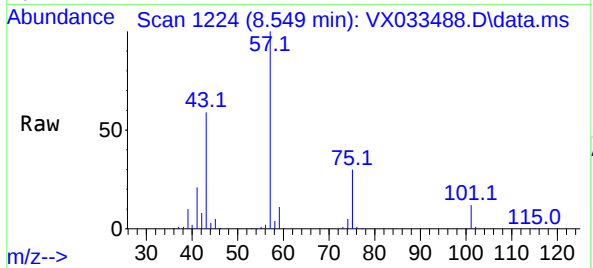




#54
 cis-1,3-Dichloropropene
 Concen: 14.950 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033488.D
 Acq: 19 Dec 2022 16:40

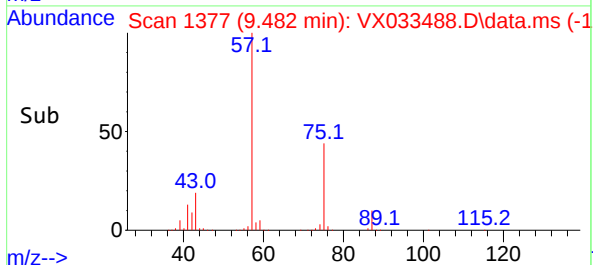
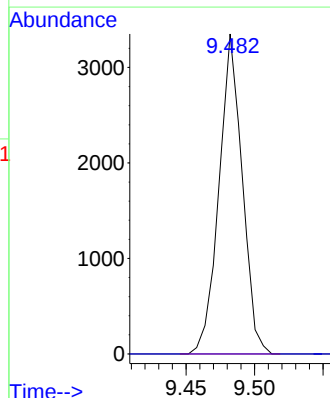
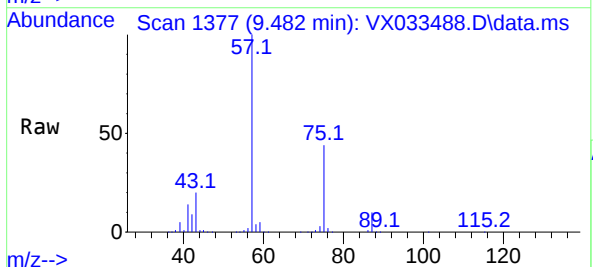
Instrument :
 MSVOA_X
 ClientSampleId :

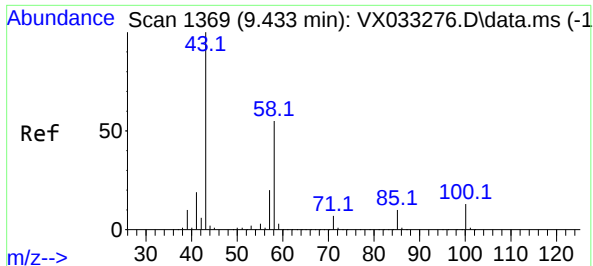
Tgt Ion: 75 Resp: 28865
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 32.2 45.5 68.3#



#57
 1,3-Dichloropropane
 Concen: 1.891 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX033488.D
 Acq: 19 Dec 2022 16:40

Tgt Ion: 76 Resp: 3944
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

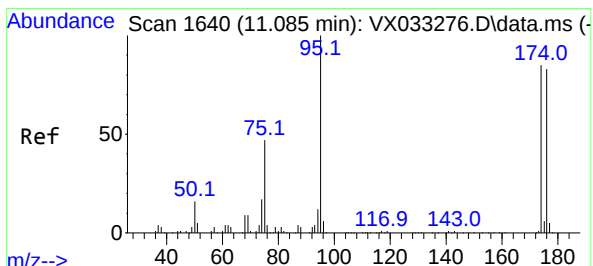
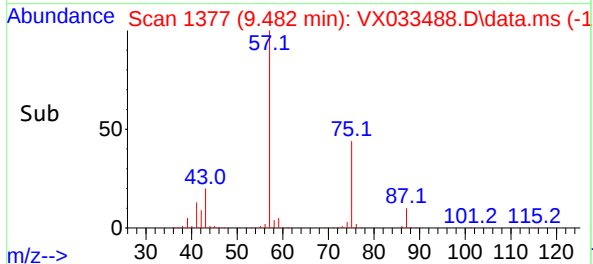
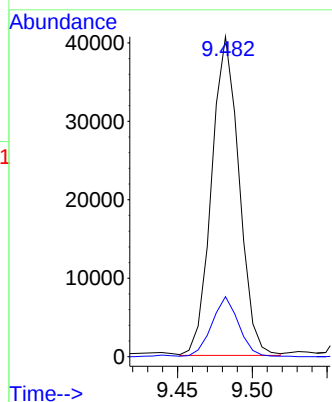
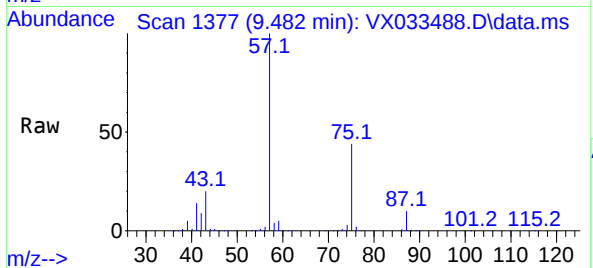




#59
2-Hexanone
Concen: 44.758 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

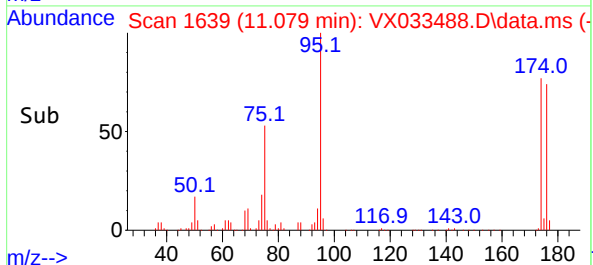
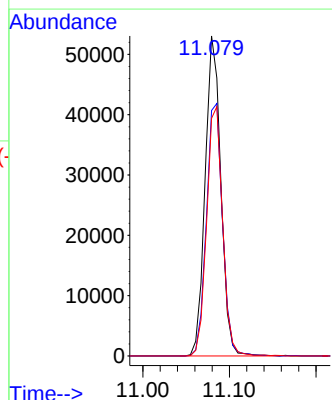
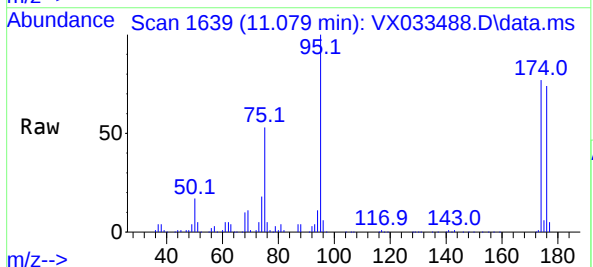
Instrument :
MSVOA_X
ClientSampleId :

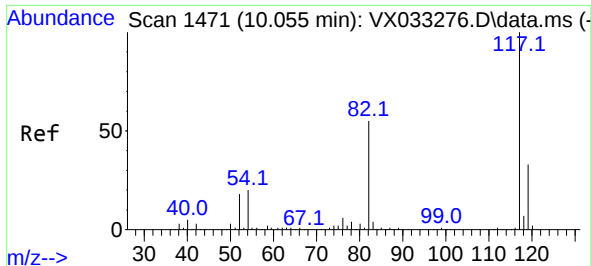
Tgt Ion: 43 Resp: 51986
Ion Ratio Lower Upper
43 100
58 18.5 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 49.683 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

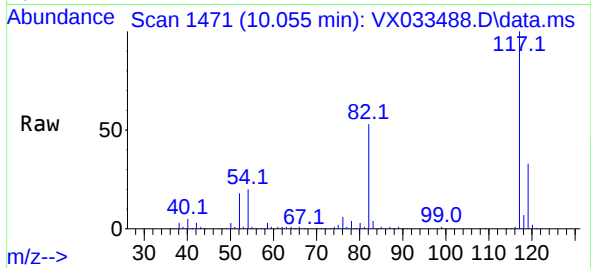
Tgt Ion: 95 Resp: 66793
Ion Ratio Lower Upper
95 100
174 81.1 0.0 164.0
176 79.1 0.0 154.4



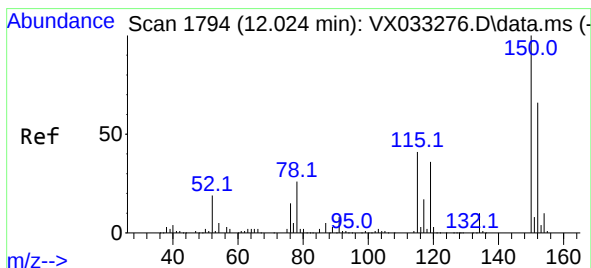
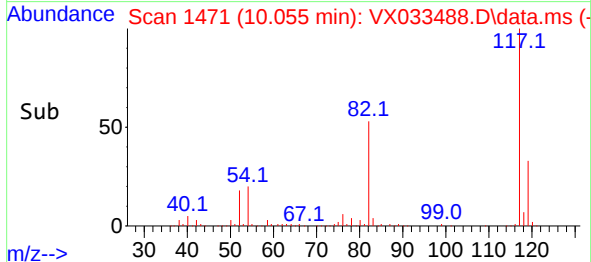
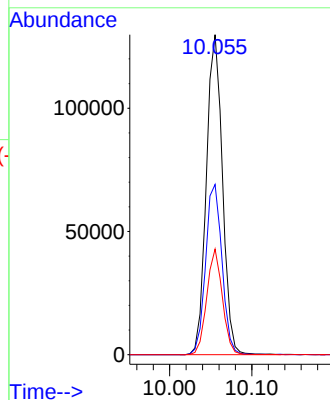


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

Instrument :
MSVOA_X
ClientSampleId :

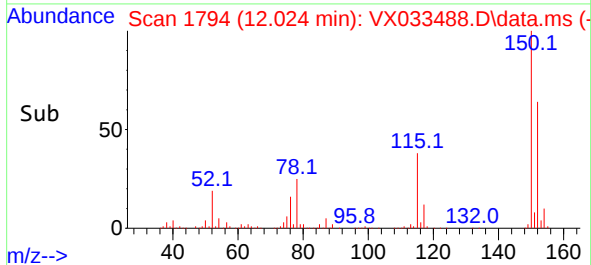
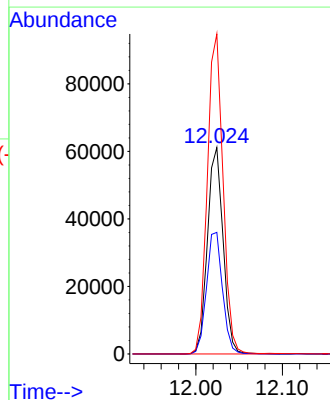
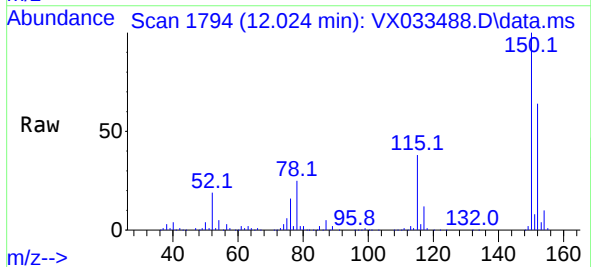


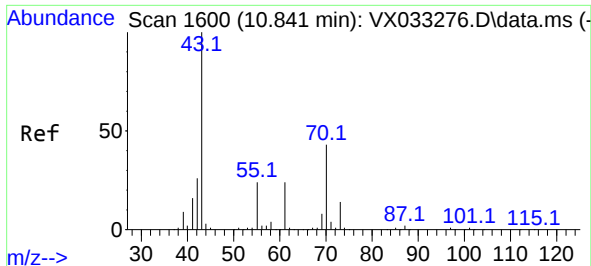
Tgt Ion:117 Resp: 176778
Ion Ratio Lower Upper
117 100
82 53.2 44.3 66.5
119 33.0 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

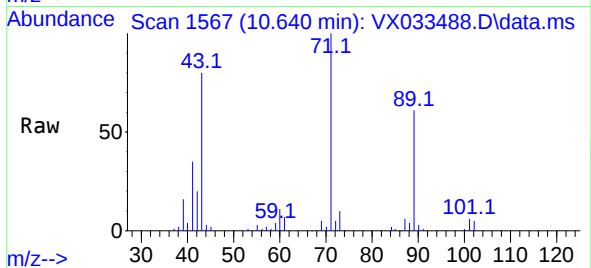
Tgt Ion:152 Resp: 76710
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 155.2 0.0 351.8



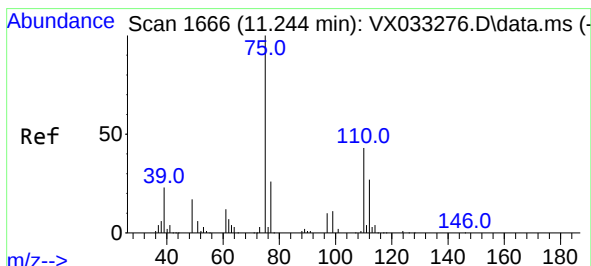
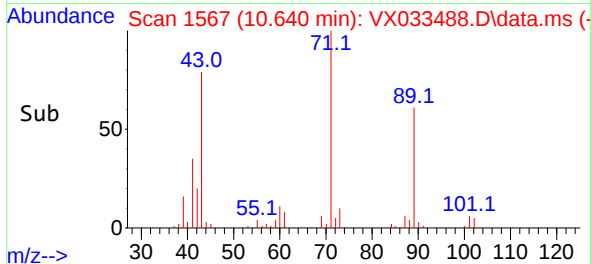
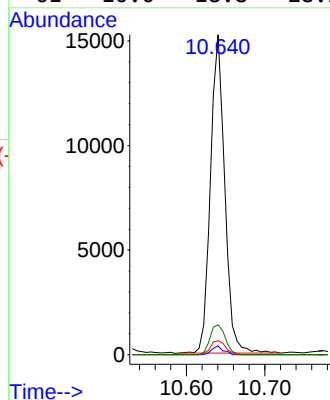


#74
N-amy1 acetate
Concen: 10.144 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

Instrument :
MSVOA_X
ClientSampleId :

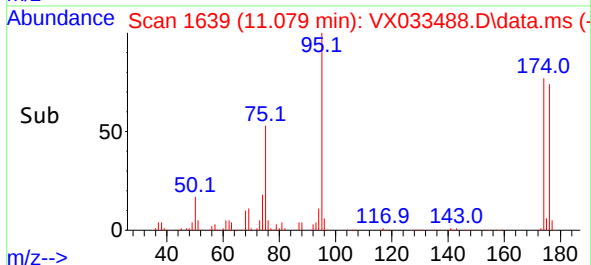
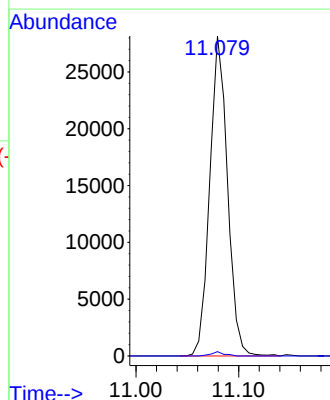
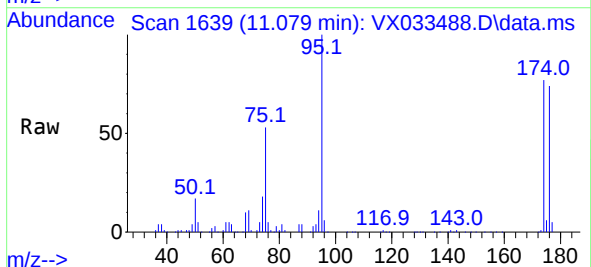


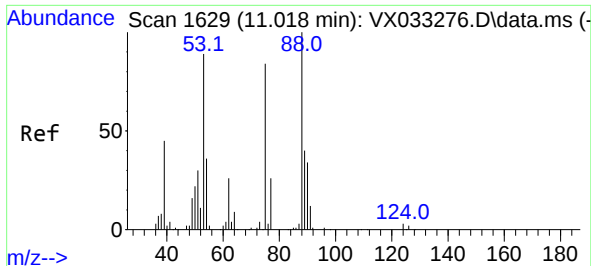
Tgt Ion:	43	Resp:	19243
Ion	Ratio	Lower	Upper
43	100		
70	2.2	33.6	50.4#
55	4.6	19.4	29.2#
61	10.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 21.700 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033488.D
Acq: 19 Dec 2022 16:40

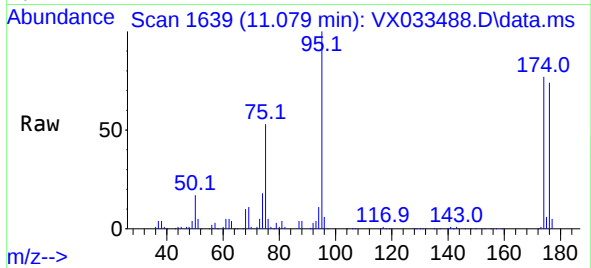
Tgt Ion:	75	Resp:	33867
Ion	Ratio	Lower	Upper
75	100		
77	1.0	20.0	60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.502 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033488.D
 Acq: 19 Dec 2022 16:40

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 33867
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

