

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
 Data File : VX033871.D
 Acq On : 24 Jan 2023 16:44
 Operator : JC/MD
 Sample : 01260-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

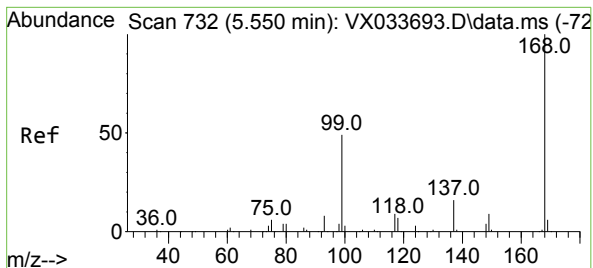
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-27

Quant Time: Jan 25 03:18:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	158959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	230860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76922	45.959	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.920%
35) Dibromofluoromethane	5.385	113	70876	49.442	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.880%
50) Toluene-d8	8.647	98	264041	50.553	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.100%
62) 4-Bromofluorobenzene	11.079	95	92553	47.727	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	456	1.568	ug/l #	86
16) Acetone	2.392	43	17577	17.370	ug/l	95
17) Carbon Disulfide	2.514	76	189	1.878	ug/l #	76
18) Methyl Acetate	2.709	43	1709	0.732	ug/l #	90
20) Methylene Chloride	2.788	84	5452	1.307	ug/l	91
25) 2-Butanone	4.586	43	2313	2.115	ug/l #	89
31) Cyclohexane	5.544	56	2381	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9398	4.492	ug/l #	49
37) Ethyl Acetate	4.721	43	20403	7.809	ug/l	98
38) Carbon Tetrachloride	5.550	117	13351	6.161	ug/l #	15
43) Isopropyl Acetate	6.336	43	90631	27.440	ug/l	98
48) Methyl methacrylate	7.799	41	74234	44.618	ug/l #	43
49) 1,4-Dioxane	7.793	88	163	4.429	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	68016	33.531	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	556	0.270	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33054	14.345	ug/l #	58
56) Ethyl methacrylate	9.244	69	549	0.250	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4077	1.613	ug/l #	43
59) 2-Hexanone	9.482	43	54060	38.291	ug/l #	50
73) Isopropylbenzene	10.963	105	73	Below Cal	#	48
74) N-amyl acetate	10.817	43	632	0.240	ug/l #	42
76) 1,2,3-Trichloropropane	11.079	75	43102	23.346	ug/l #	34
79) 2-Chlorotoluene	11.311	91	114	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	43102	72.557	ug/l #	8
82) 4-Chlorotoluene	11.457	91	73	Below Cal	#	43

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

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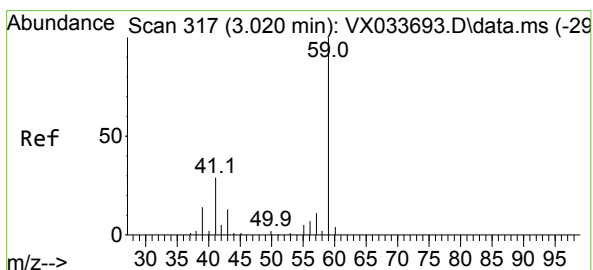
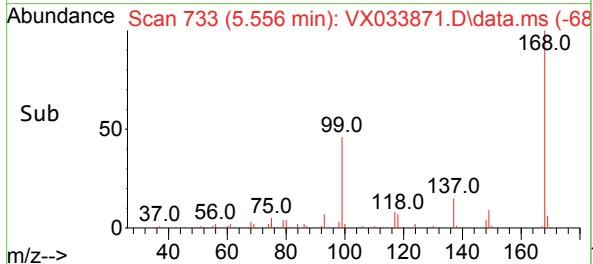
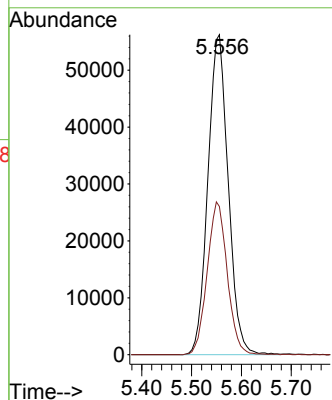
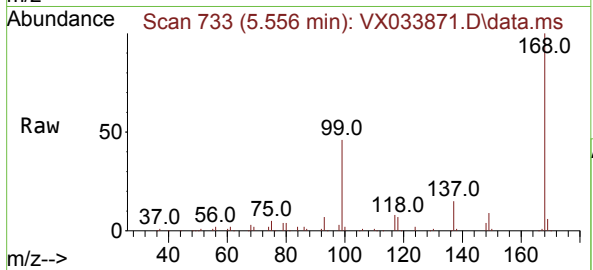
TP-27

Tgt Ion:168 Resp: 158959

Ion Ratio Lower Upper

168 100

99 46.3 39.6 59.4



#11

Tert butyl alcohol

Concen: 1.568 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.073 min

Lab File: VX033871.D

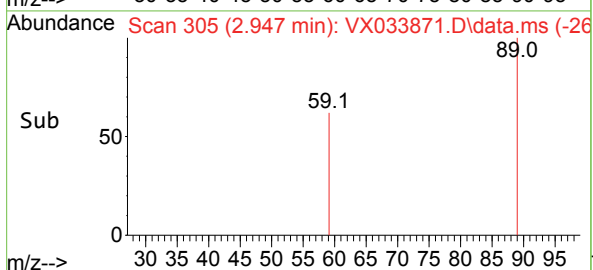
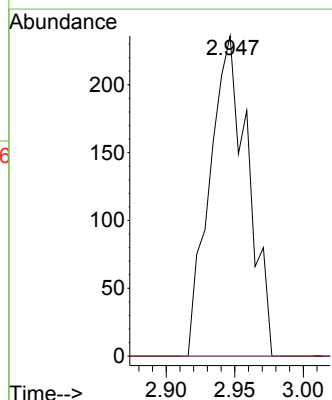
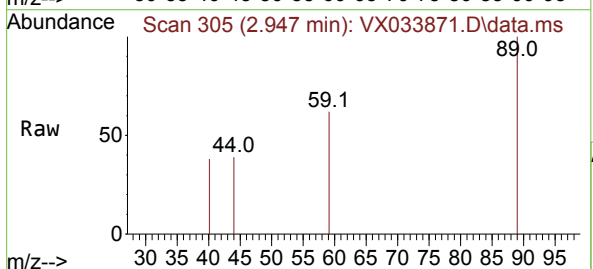
Acq: 24 Jan 2023 16:44

Tgt Ion: 59 Resp: 456

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#





#16

Acetone

Concen: 17.370 ug/l

RT: 2.392 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX033871.D

Acq: 24 Jan 2023 16:44

Instrument :

MSVOA_X

ClientSampleId :

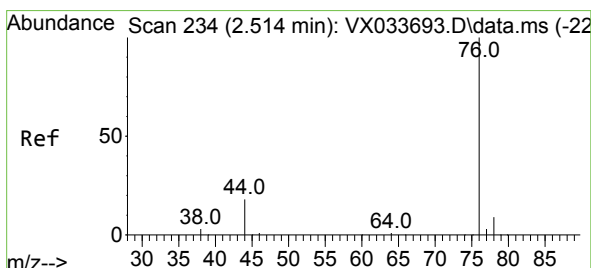
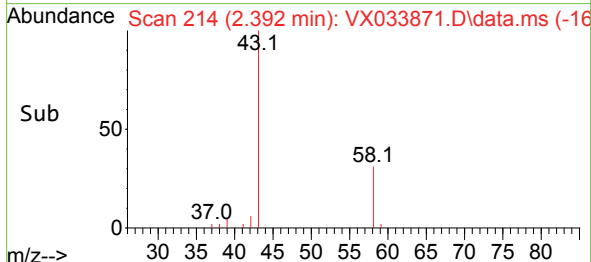
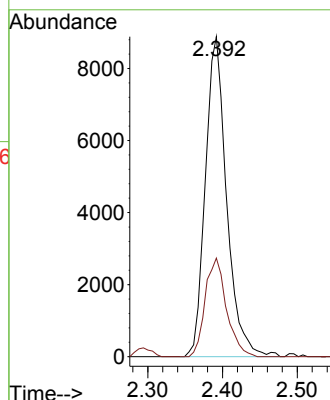
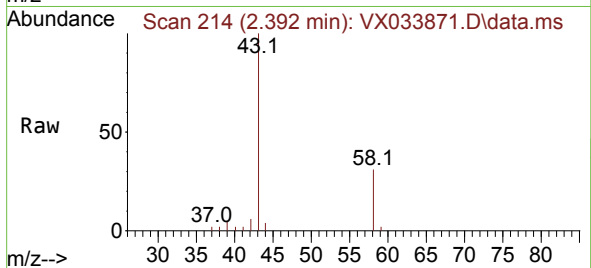
TP-27

Tgt Ion: 43 Resp: 17577

Ion Ratio Lower Upper

43 100

58 30.8 22.6 33.8



#17

Carbon Disulfide

Concen: 1.878 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX033871.D

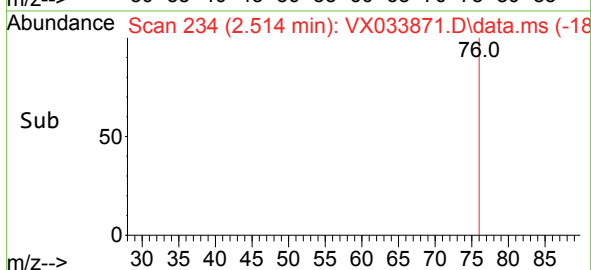
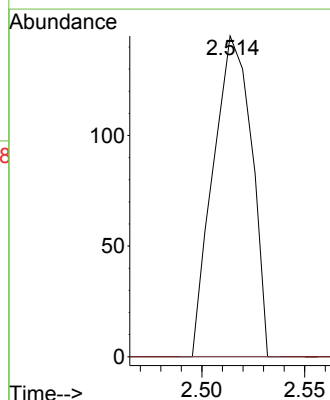
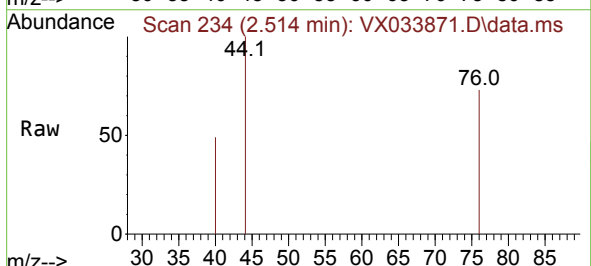
Acq: 24 Jan 2023 16:44

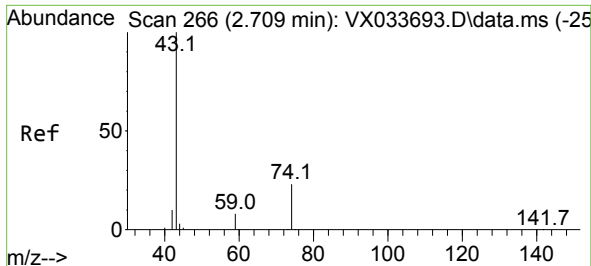
Tgt Ion: 76 Resp: 189

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

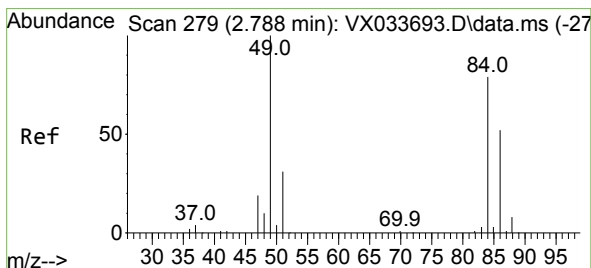
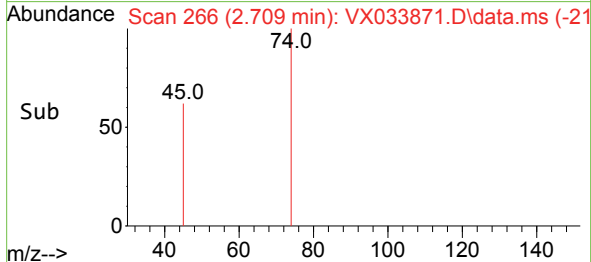
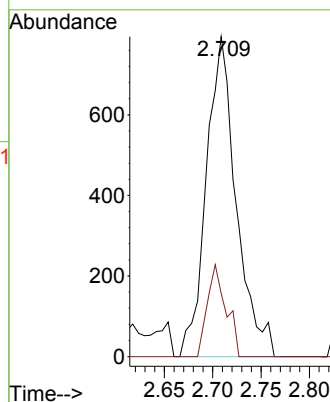
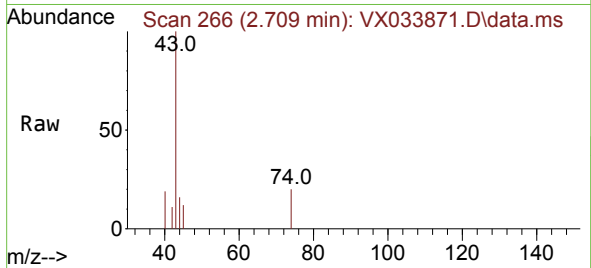




#18
Methyl Acetate
Concen: 0.732 ug/l
RT: 2.709 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

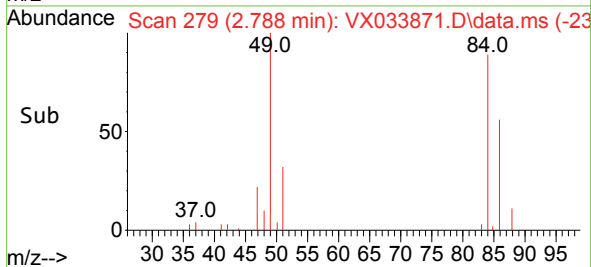
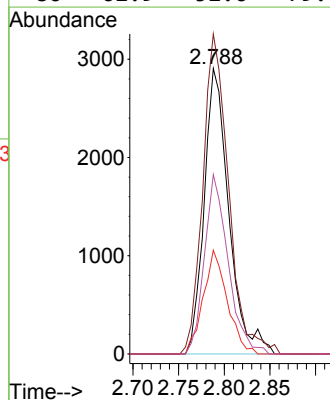
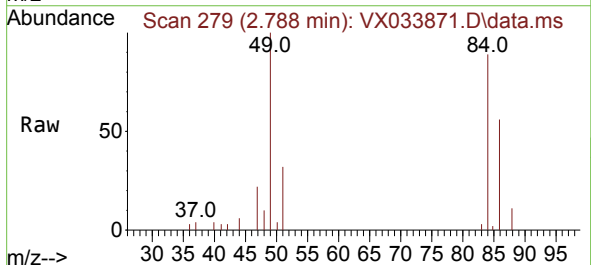
Instrument :
MSVOA_X
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TP-27

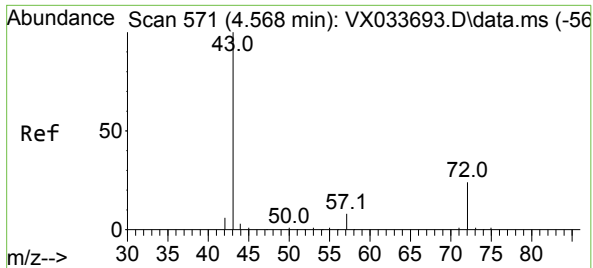
Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
74 17.9 18.2 27.4#



#20
Methylene Chloride
Concen: 1.307 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion: 84 Resp: 5452
Ion Ratio Lower Upper
84 100
49 112.1 101.1 151.7
51 36.3 31.0 46.6
86 62.9 52.6 79.0

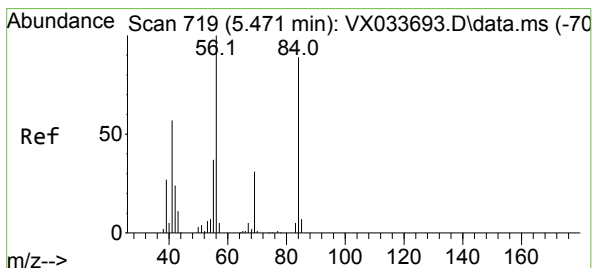
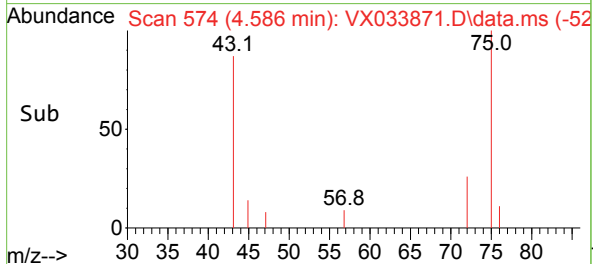
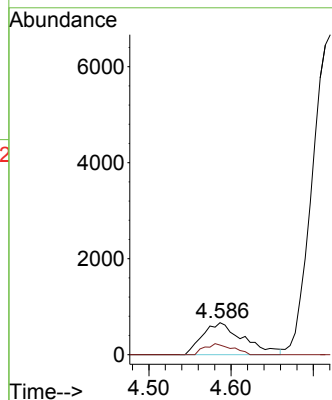
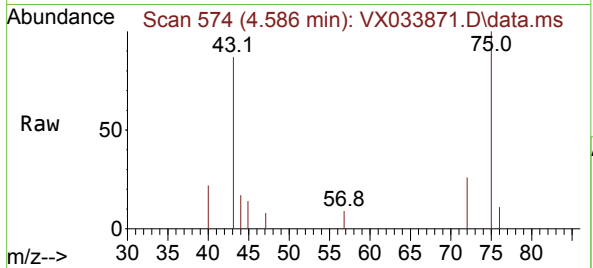




#25
2-Butanone
Concen: 2.115 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

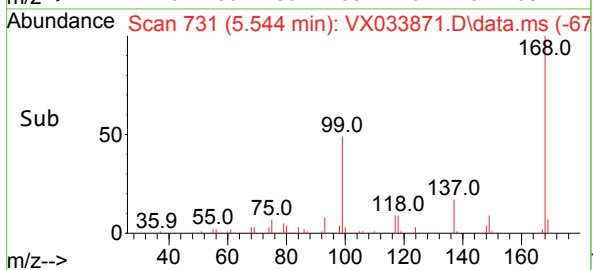
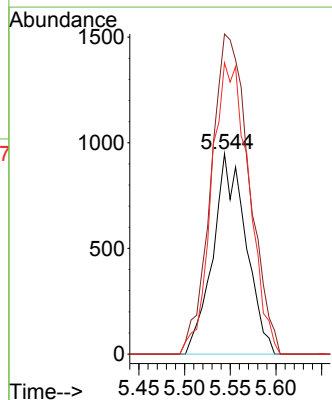
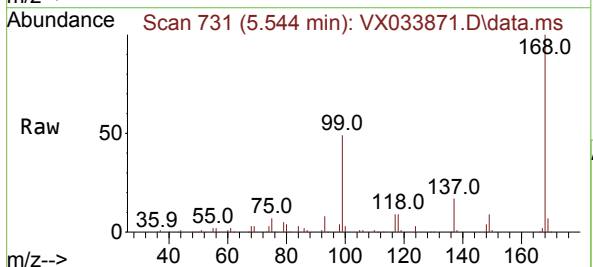
Instrument :
MSVOA_X
ClientSampleId :
TP-27

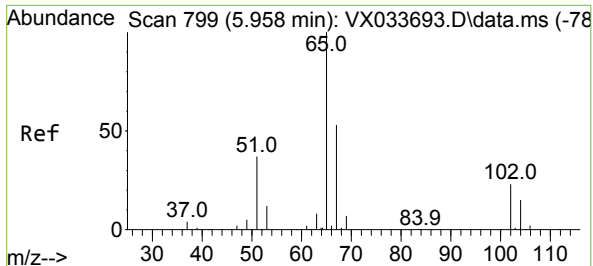
Tgt Ion: 43 Resp: 2313
Ion Ratio Lower Upper
43 100
72 29.9 19.4 29.2#



#31
Cyclohexane
Concen: 0.967 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion: 56 Resp: 2381
Ion Ratio Lower Upper
56 100
69 159.8 24.6 37.0#
84 145.5 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.959 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033871.D

Acq: 24 Jan 2023 16:44

Instrument :

MSVOA_X

ClientSampleId :

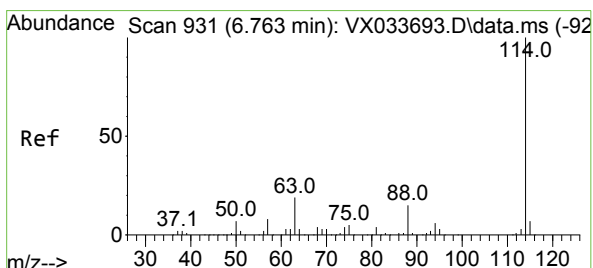
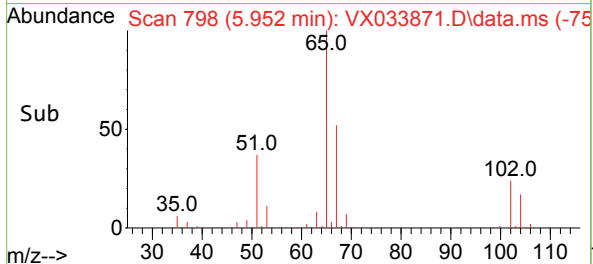
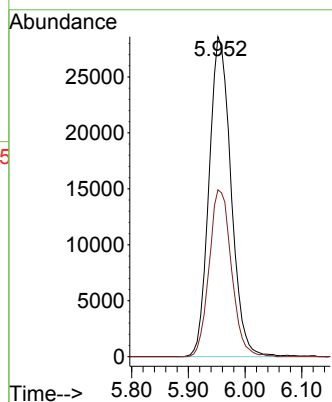
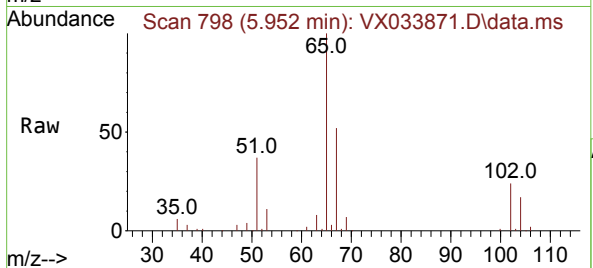
TP-27

Tgt Ion: 65 Resp: 76922

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033871.D

Acq: 24 Jan 2023 16:44

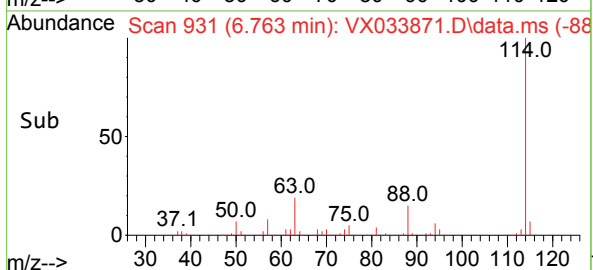
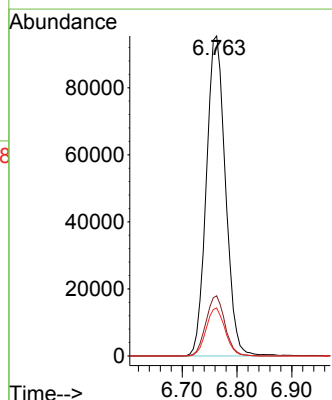
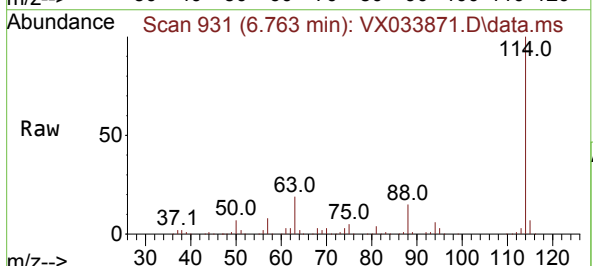
Tgt Ion: 114 Resp: 230860

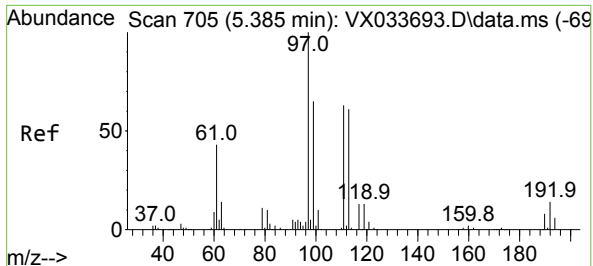
Ion Ratio Lower Upper

114 100

63 18.8 0.0 37.4

88 15.0 0.0 30.6

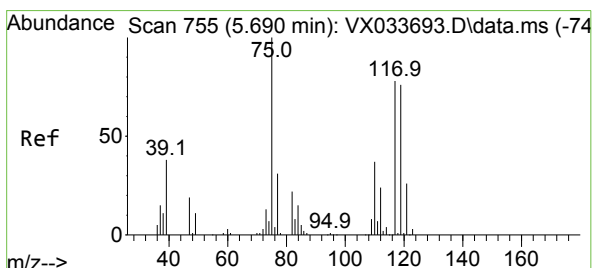
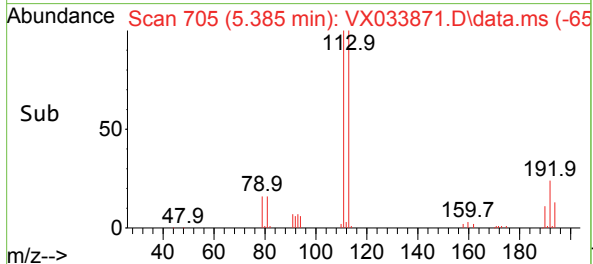
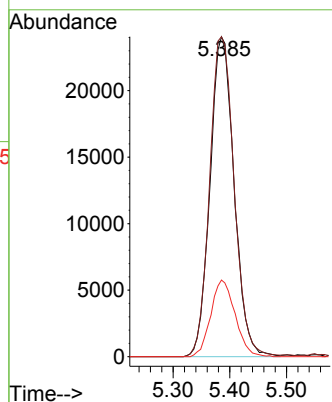
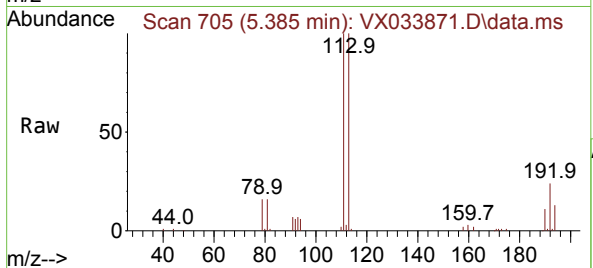




#35
Dibromofluoromethane
Concen: 49.442 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

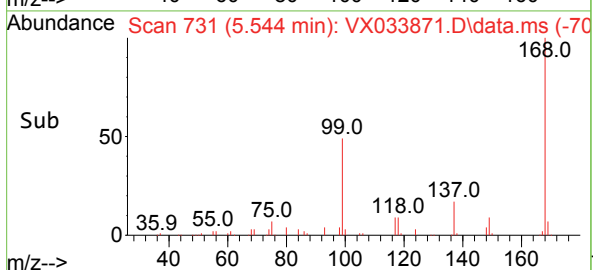
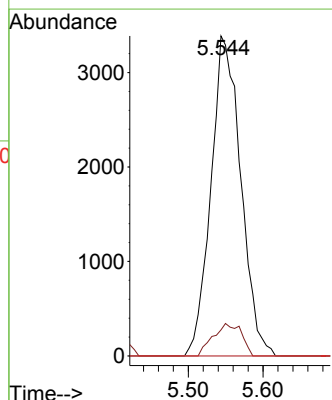
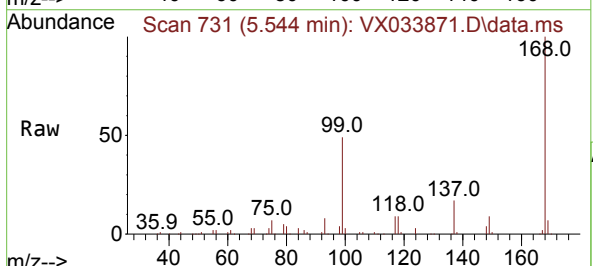
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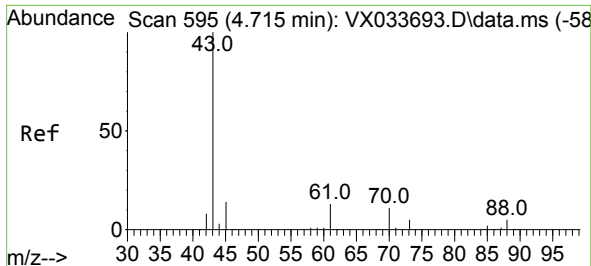
Tgt Ion:113 Resp: 70876
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 24.3 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.492 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion: 75 Resp: 9398
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 7.809 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX033871.D

Acq: 24 Jan 2023 16:44

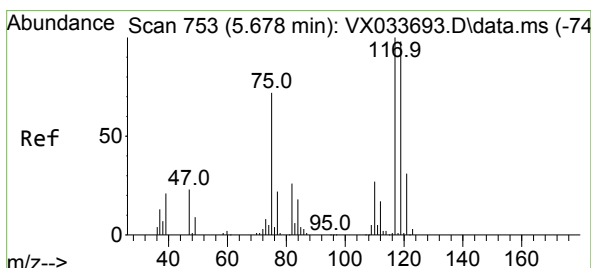
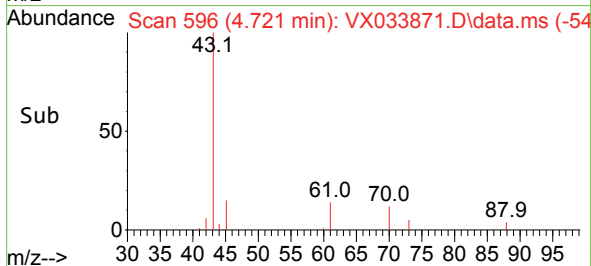
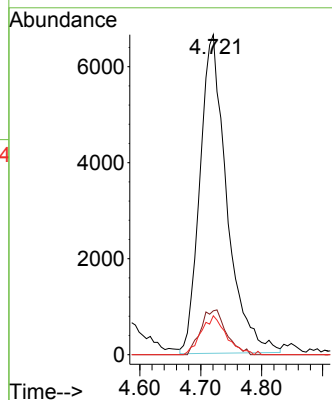
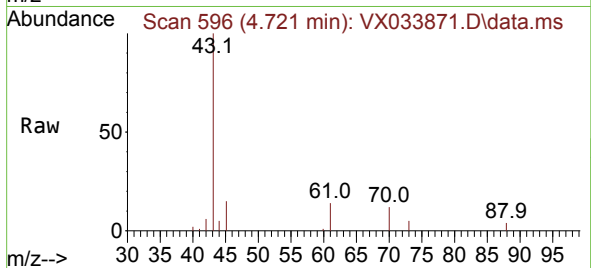
Instrument :

MSVOA_X

ClientSampleId :

TP-27

Tgt Ion:	43	Resp:	20403
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.1	16.7
70	11.4	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.161 ug/l

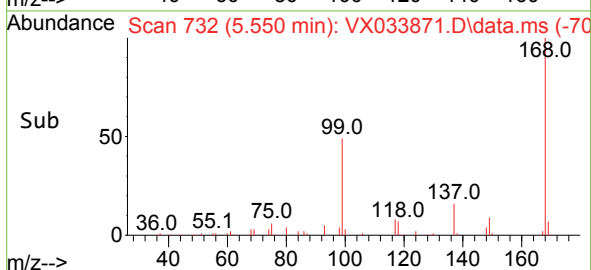
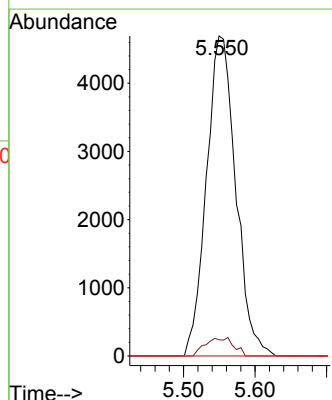
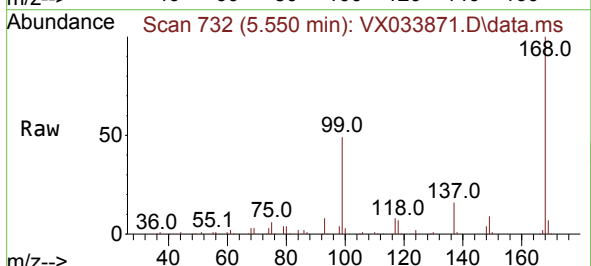
RT: 5.550 min Scan# 732

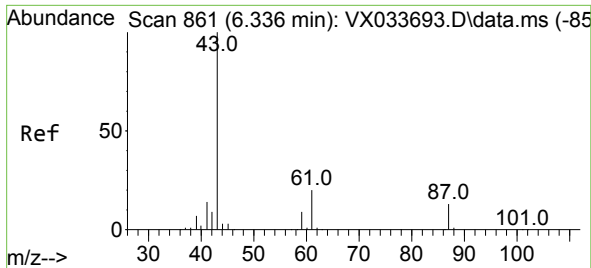
Delta R.T. -0.128 min

Lab File: VX033871.D

Acq: 24 Jan 2023 16:44

Tgt Ion:	117	Resp:	13351
Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.0	117.0#
121	0.0	24.4	36.6#

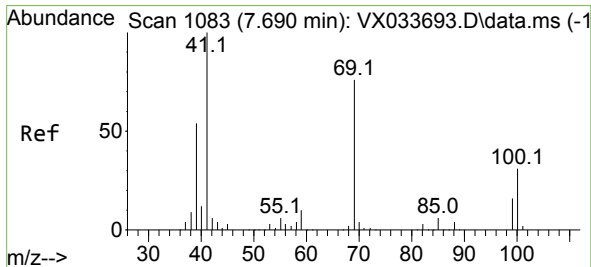
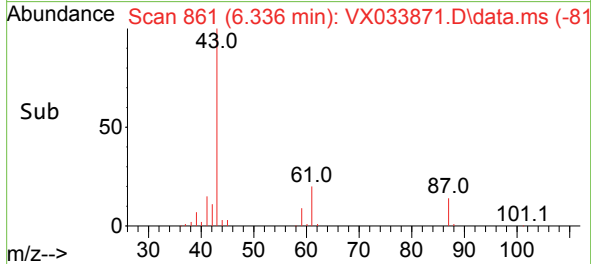
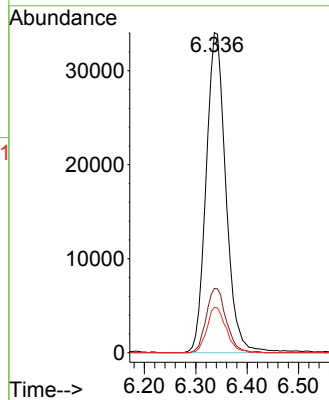
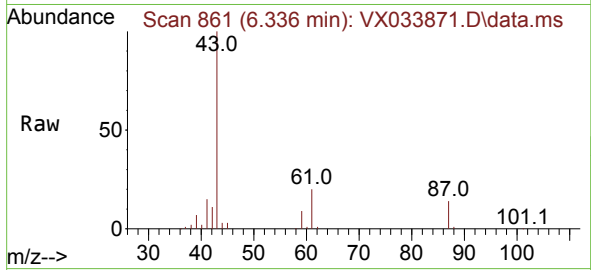




#43
Isopropyl Acetate
Concen: 27.440 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

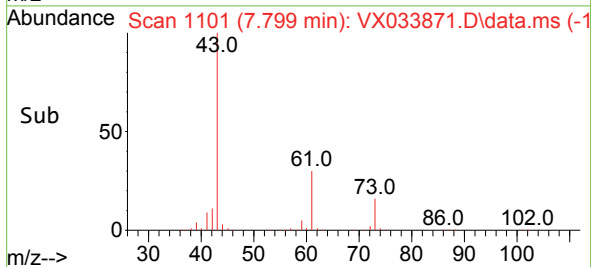
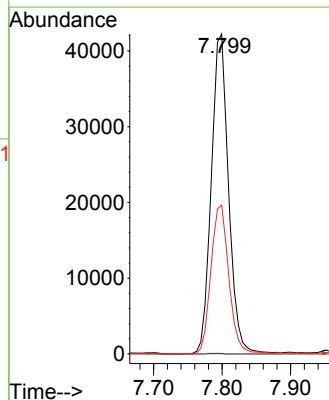
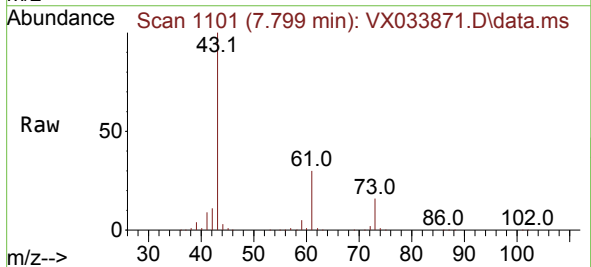
Instrument :
MSVOA_X
ClientSampleId :
TP-27

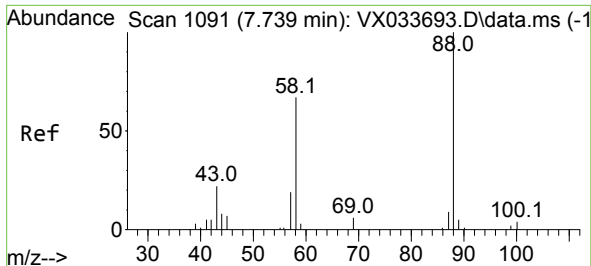
Tgt Ion:	43	Resp:	90631
Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.7	23.5
87	13.8	10.6	15.8



#48
Methyl methacrylate
Concen: 44.618 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion:	41	Resp:	74234
Ion	Ratio	Lower	Upper
41	100		
69	0.1	63.1	94.7#
39	48.2	43.2	64.8

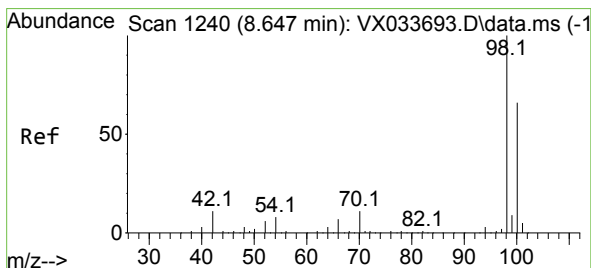
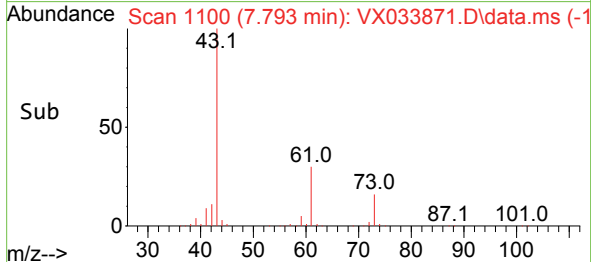
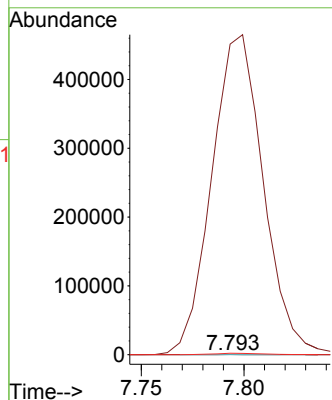
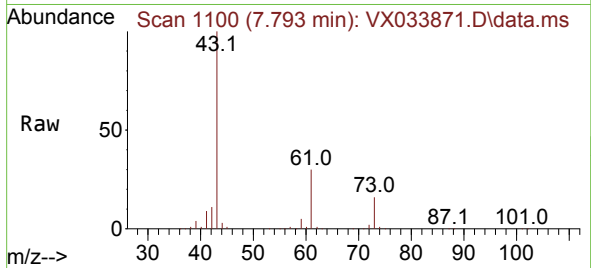




#49
1,4-Dioxane
Concen: 4.429 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.055 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

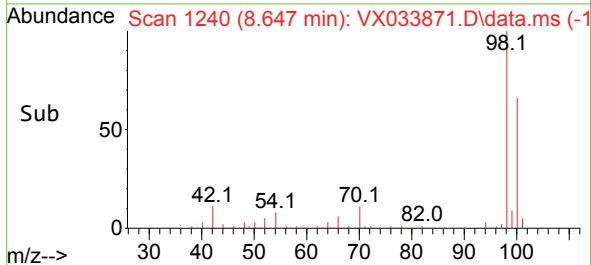
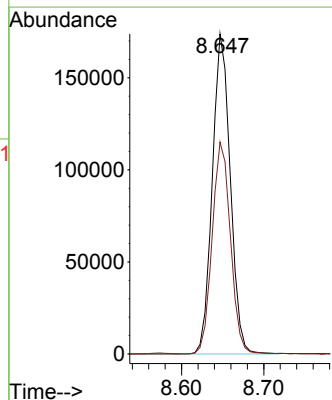
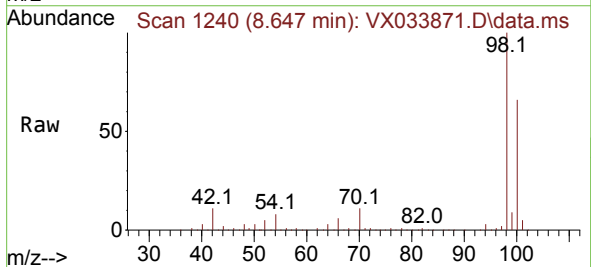
Instrument :
MSVOA_X
ClientSampleId :
TP-27

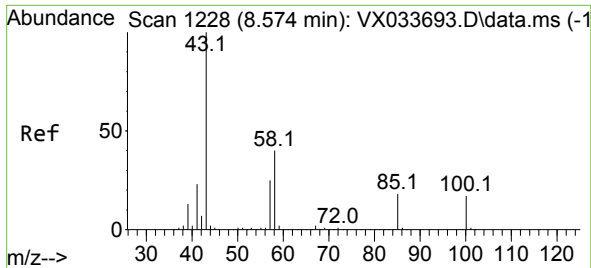
Tgt Ion: 88 Resp: 163
Ion Ratio Lower Upper
88 100
43 504519.0 0.0 0.0#
58 2111.0 56.5 84.7#



#50
Toluene-d8
Concen: 50.553 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion: 98 Resp: 264041
Ion Ratio Lower Upper
98 100
100 67.5 53.6 80.4

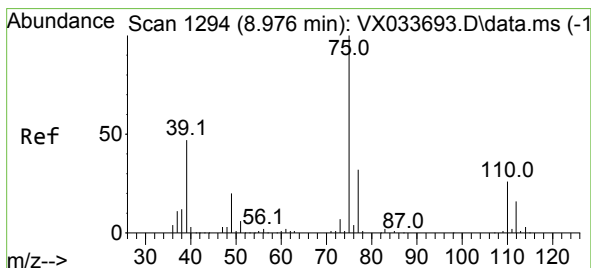
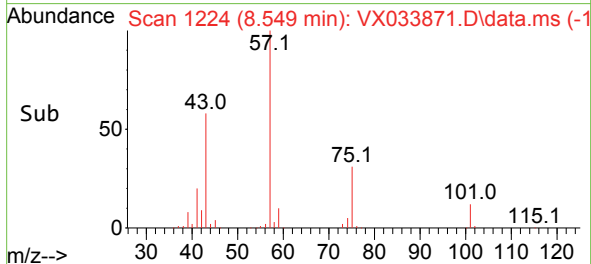
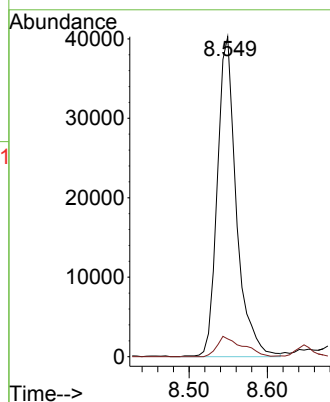
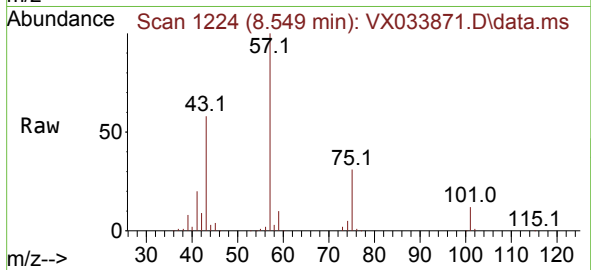




#51
4-Methyl-2-Pentanone
Concen: 33.531 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

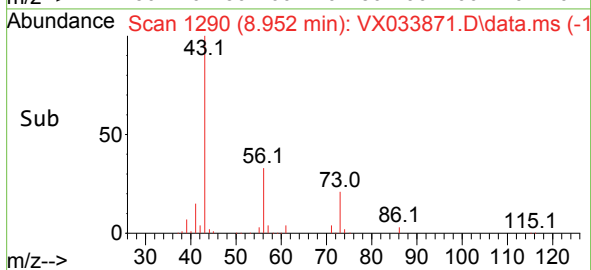
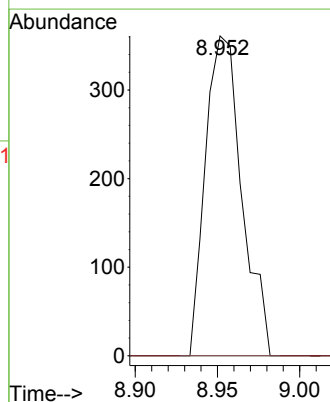
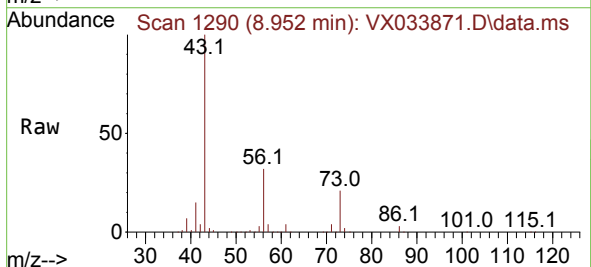
Instrument :
MSVOA_X
ClientSampleId :
TP-27

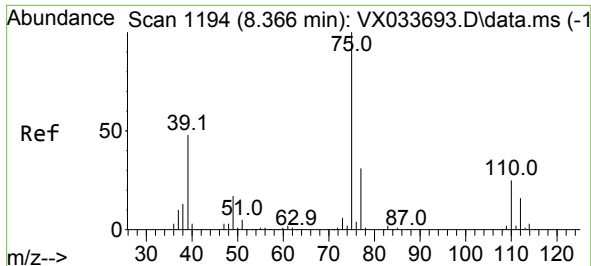
Tgt Ion: 43 Resp: 68016
Ion Ratio Lower Upper
43 100
58 8.5 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.270 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion: 75 Resp: 556
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

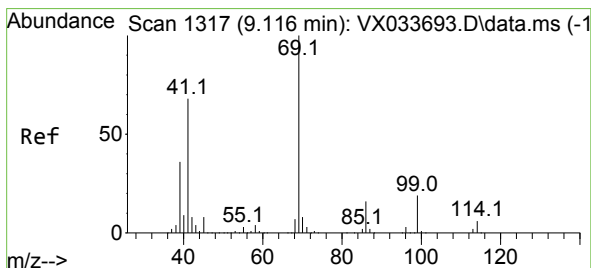
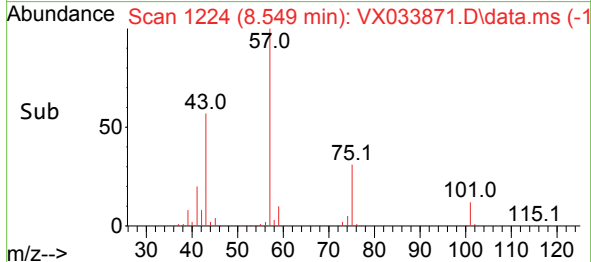
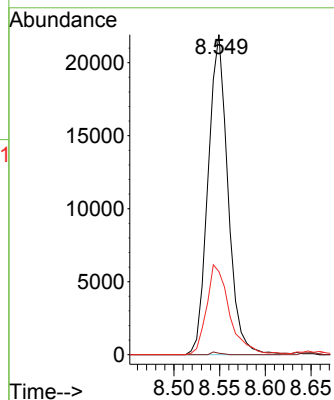
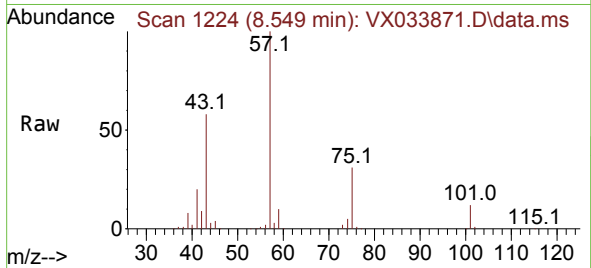




#54
cis-1,3-Dichloropropene
Concen: 14.345 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

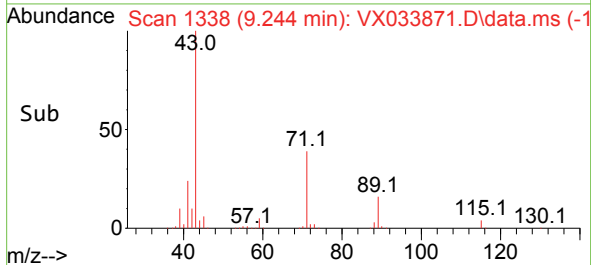
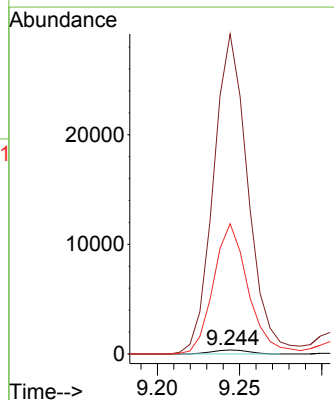
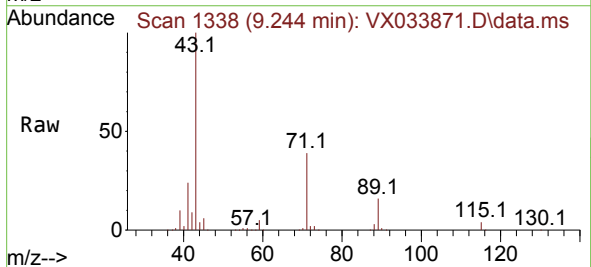
Instrument :
MSVOA_X
ClientSampleId :
TP-27

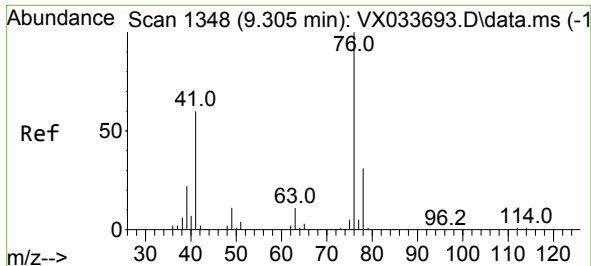
Tgt Ion: 75 Resp: 33054
Ion Ratio Lower Upper
75 100
77 0.4 25.0 37.6#
39 26.0 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.250 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion: 69 Resp: 549
Ion Ratio Lower Upper
69 100
41 7788.0 55.1 82.7#
39 3191.4 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.613 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033871.D

Acq: 24 Jan 2023 16:44

Instrument :

MSVOA_X

ClientSampleId :

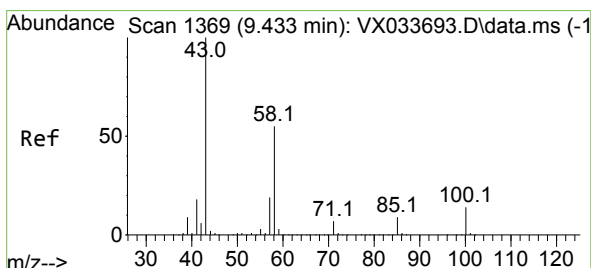
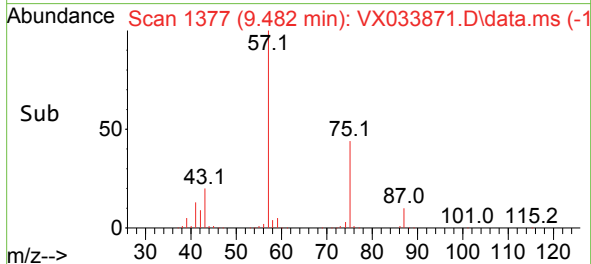
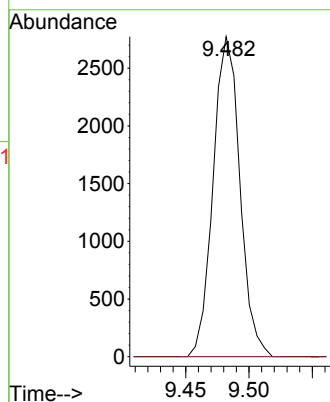
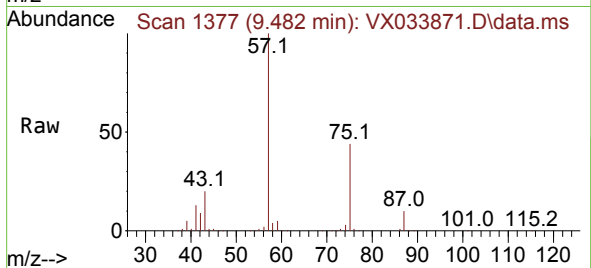
TP-27

Tgt Ion: 76 Resp: 4077

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 38.291 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033871.D

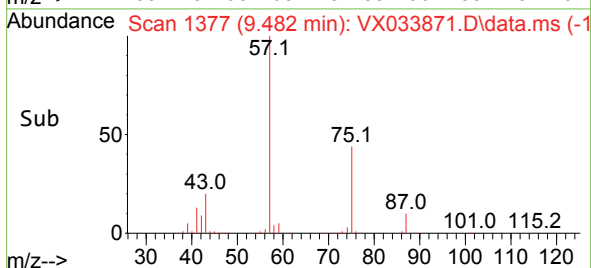
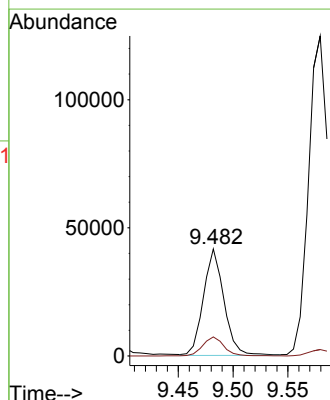
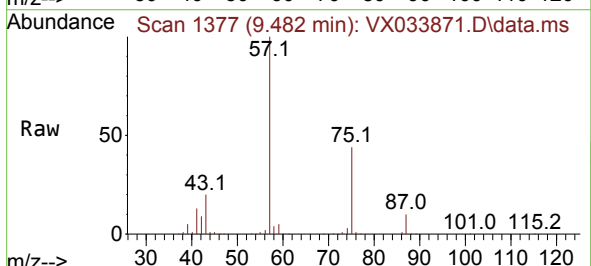
Acq: 24 Jan 2023 16:44

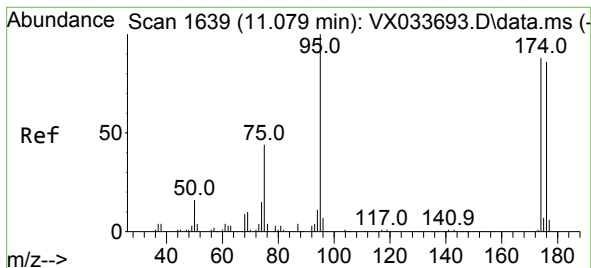
Tgt Ion: 43 Resp: 54060

Ion Ratio Lower Upper

43 100

58 18.8 27.4 82.0#

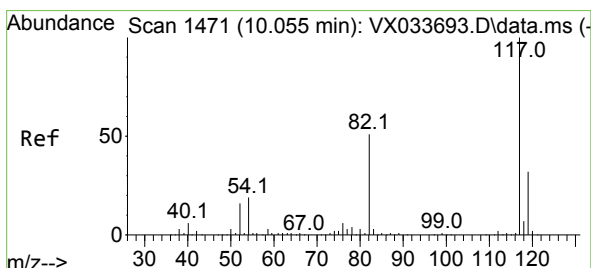
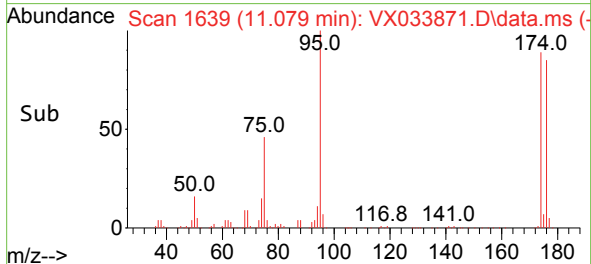
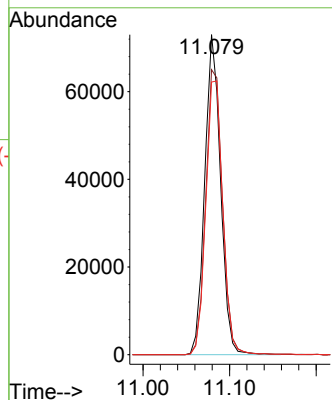
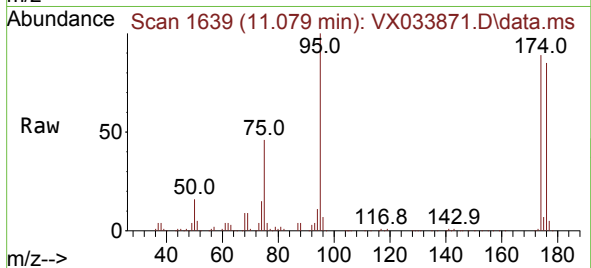




#62
4-Bromofluorobenzene
Concen: 47.727 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

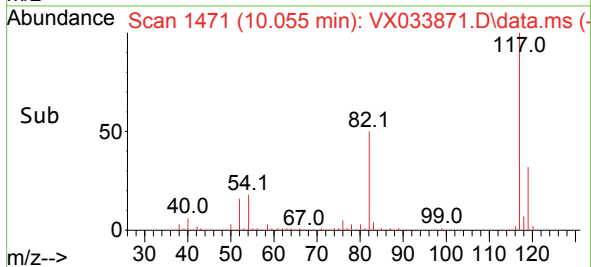
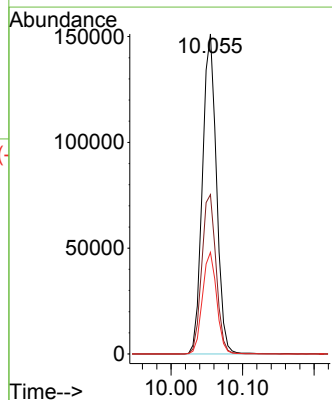
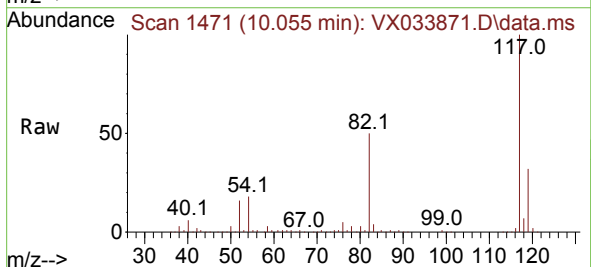
Instrument :
MSVOA_X
ClientSampleId :
TP-27

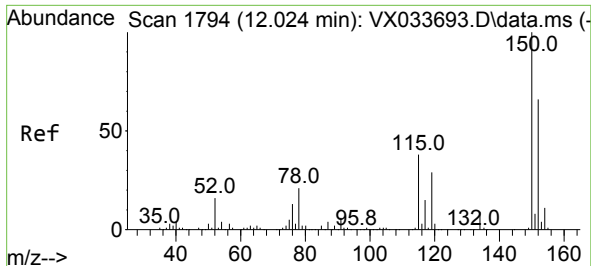
Tgt Ion: 95 Resp: 92553
Ion Ratio Lower Upper
95 100
174 94.9 0.0 184.4
176 92.2 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion: 117 Resp: 206226
Ion Ratio Lower Upper
117 100
82 49.8 40.6 60.8
119 31.7 25.6 38.4

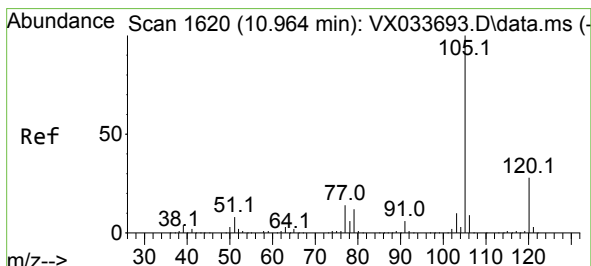
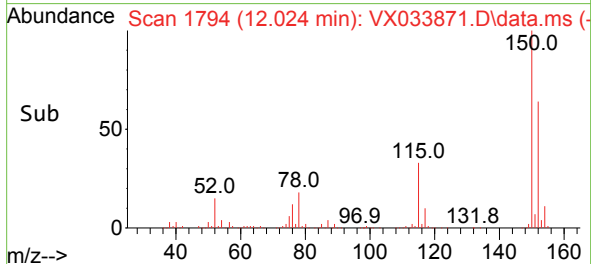
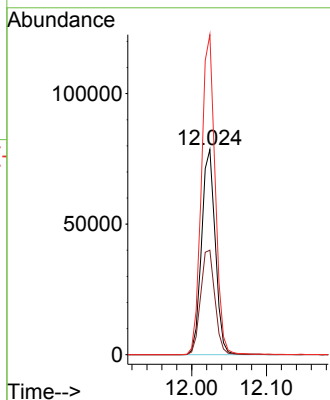
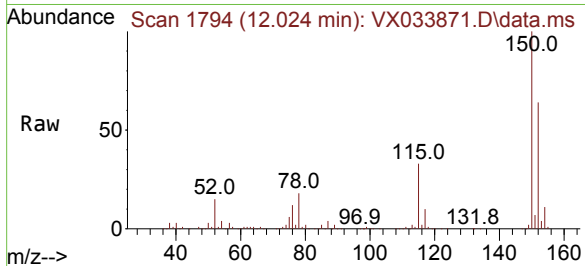




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

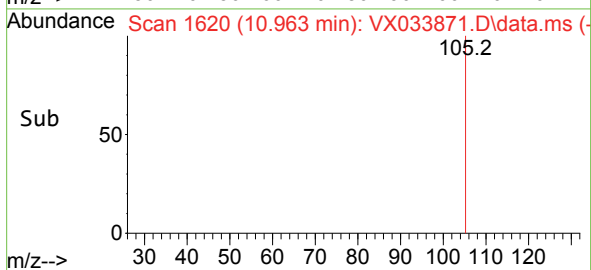
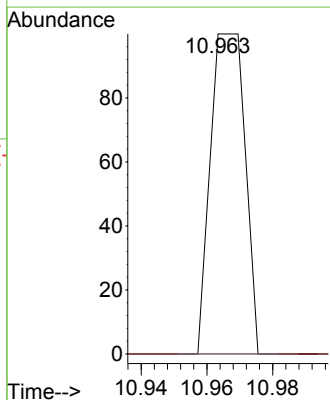
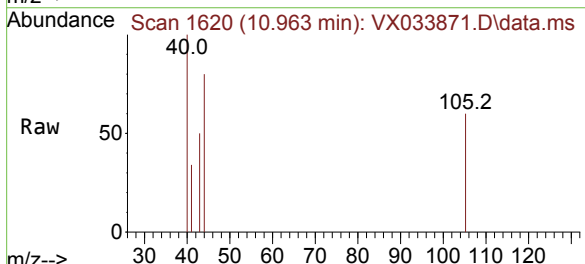
Instrument :
MSVOA_X
ClientSampleId :
TP-27

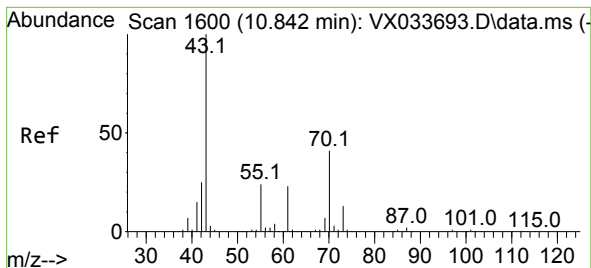
Tgt Ion:152 Resp: 100482
Ion Ratio Lower Upper
152 100
115 53.1 38.7 116.1
150 156.3 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion:105 Resp: 73
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#74

N-amy1 acetate

Concen: 0.240 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.025 min

Lab File: VX033871.D

Acq: 24 Jan 2023 16:44

Instrument :

MSVOA_X

ClientSampleId :

TP-27

Tgt Ion: 43 Resp: 632

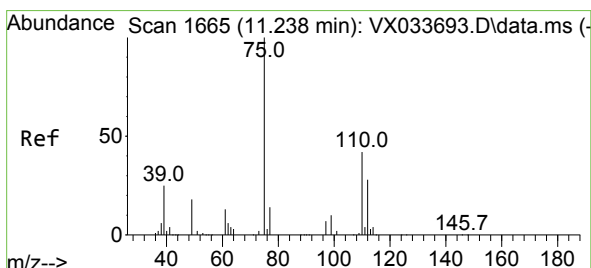
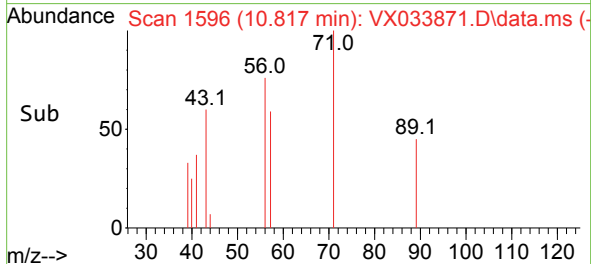
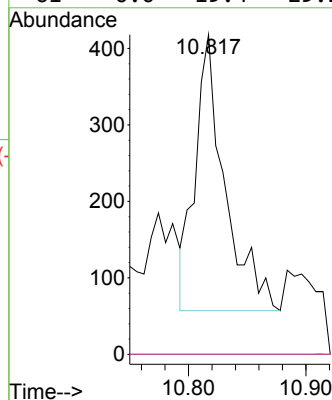
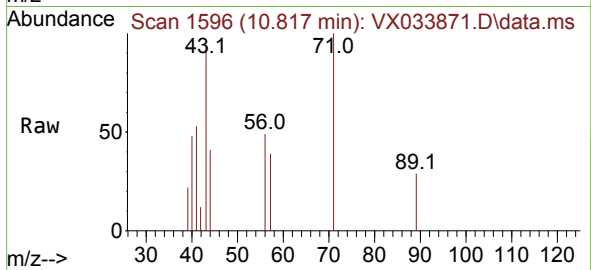
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 0.0 19.4 29.0#

61 0.0 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 23.346 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033871.D

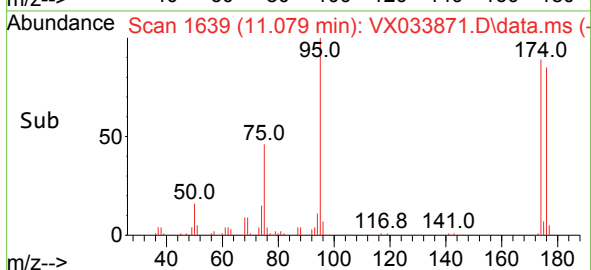
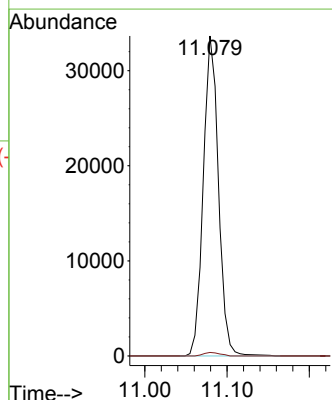
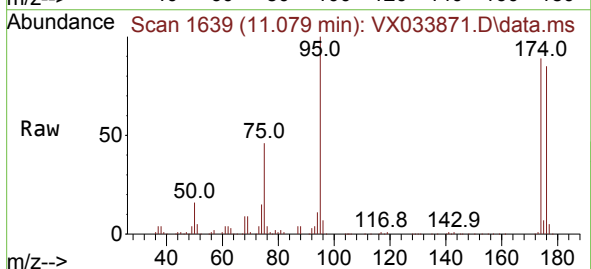
Acq: 24 Jan 2023 16:44

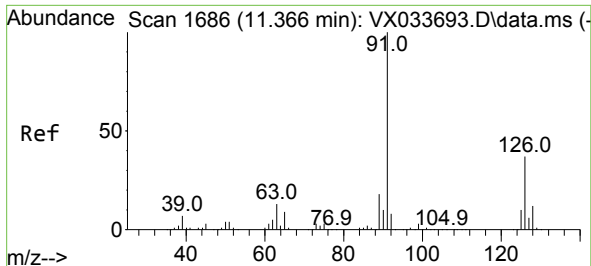
Tgt Ion: 75 Resp: 43102

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#

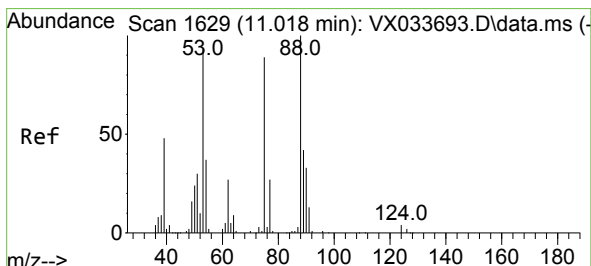
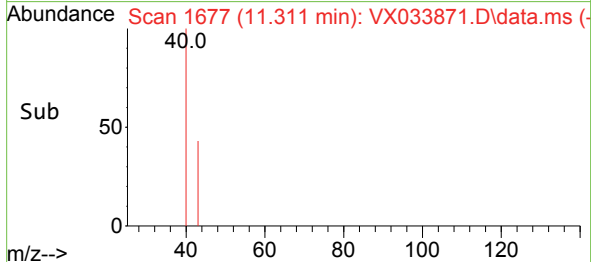
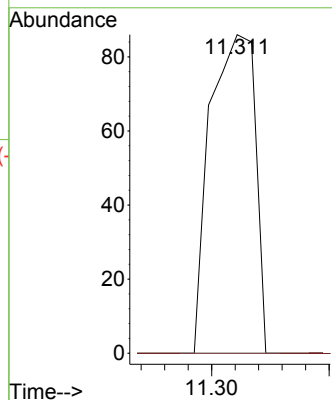
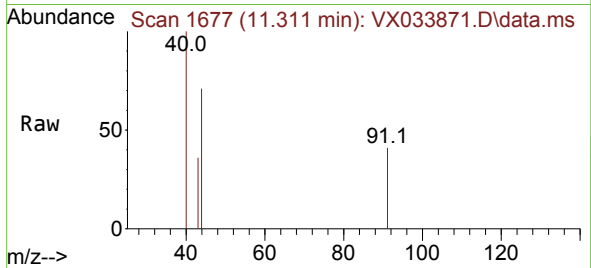




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

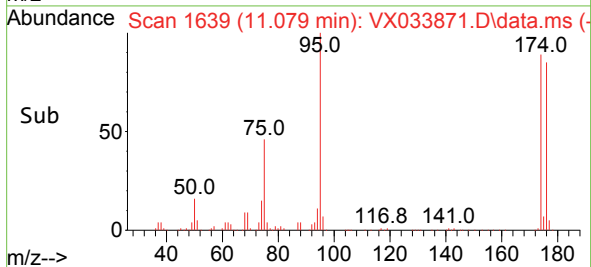
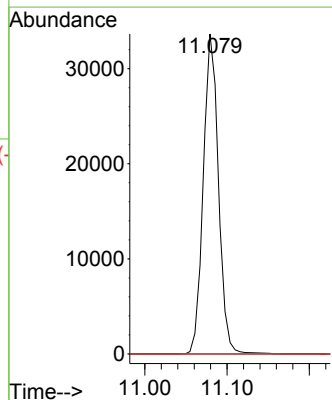
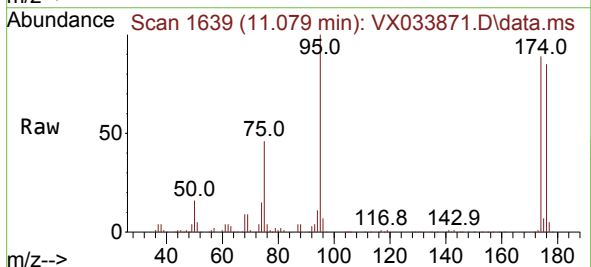
Instrument :
MSVOA_X
ClientSampleId :
TP-27

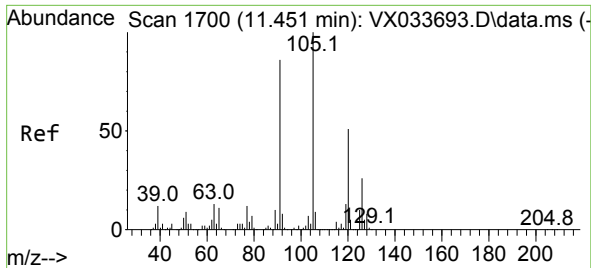
Tgt Ion: 91 Resp: 114
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.557 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033871.D
Acq: 24 Jan 2023 16:44

Tgt Ion: 75 Resp: 43102
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX033871.D
 Acq: 24 Jan 2023 16:44

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-27

Tgt Ion: 91 Resp: 73
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

