

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX113022\
 Data File : VX033131.D
 Acq On : 30 Nov 2022 14:55
 Operator : JC/MD
 Sample : N5806-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

Quant Time: Dec 01 00:20:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

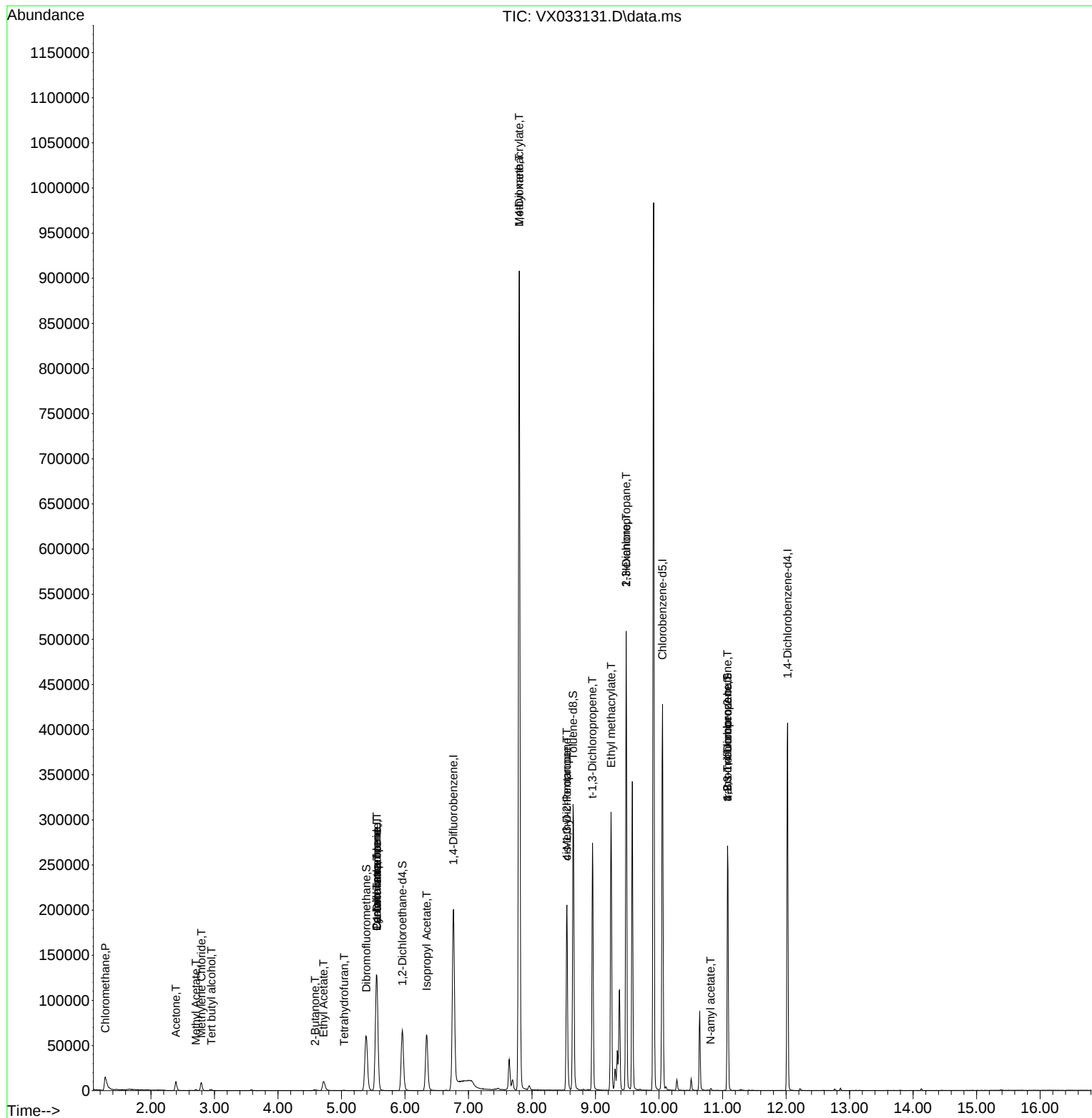
Internal Standards						
1) Pentafluorobenzene	5.556	168	121855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198895	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67502	57.138	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.280%
35) Dibromofluoromethane	5.391	113	53774	47.957	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.920%
50) Toluene-d8	8.647	98	187067	55.693	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	111.380%
62) 4-Bromofluorobenzene	11.079	95	69013	46.854	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.700%
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	708	0.704	ug/l #	43
11) Tert butyl alcohol	2.953	59	869	4.620	ug/l #	72
16) Acetone	2.392	43	12202	22.017	ug/l	100
18) Methyl Acetate	2.709	43	1487	0.969	ug/l	98
20) Methylene Chloride	2.794	84	4310	2.505	ug/l	92
25) 2-Butanone	4.586	43	1489	1.948	ug/l #	89
29) Tetrahydrofuran	5.044	42	482	0.994	ug/l #	38
31) Cyclohexane	5.556	56	2500	1.300	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	9507	5.303	ug/l #	50
37) Ethyl Acetate	4.714	43	18332	11.720	ug/l	100
38) Carbon Tetrachloride	5.556	117	12837	6.454	ug/l #	16
43) Isopropyl Acetate	6.342	43	85038	32.873	ug/l	100
48) Methyl methacrylate	7.799	41	81541	61.237	ug/l #	44
49) 1,4-Dioxane	7.799	88	142	5.793	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	70659	44.265	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	596	1.804	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31641	15.670	ug/l #	60
56) Ethyl methacrylate	9.244	69	664	0.358	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4061	1.868	ug/l #	42
59) 2-Hexanone	9.482	43	59361	50.340	ug/l #	51
74) N-amyl acetate	10.811	43	973	0.480	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	37493	23.731	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37493	77.138	ug/l #	6

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

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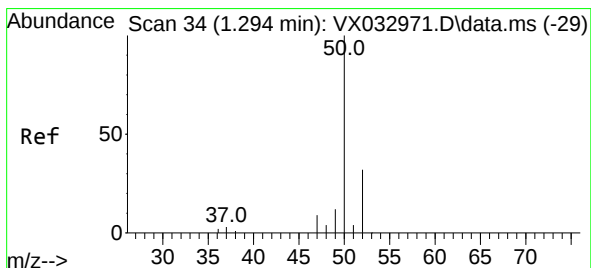
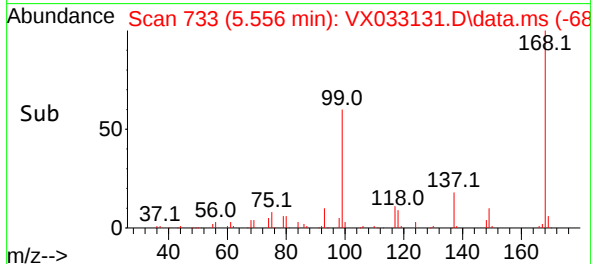
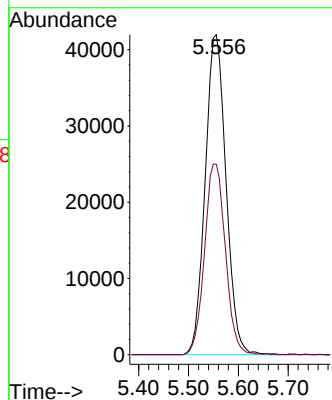
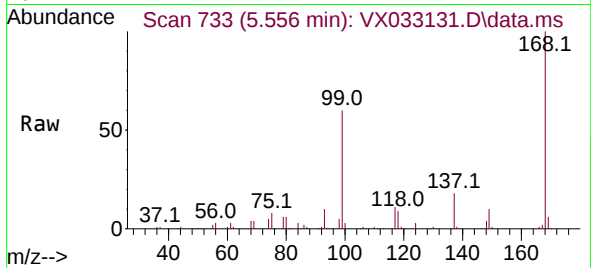




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

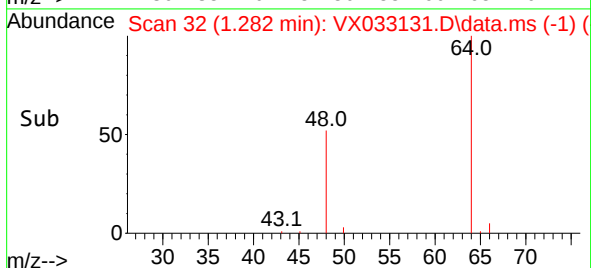
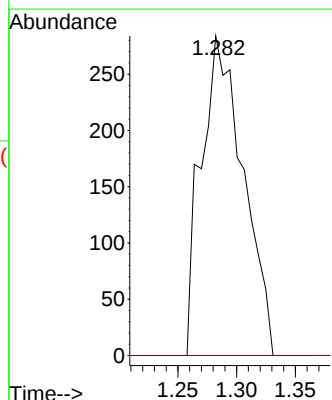
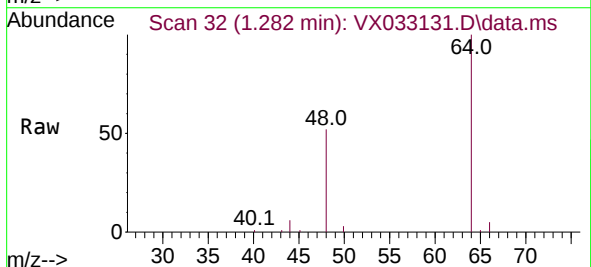
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

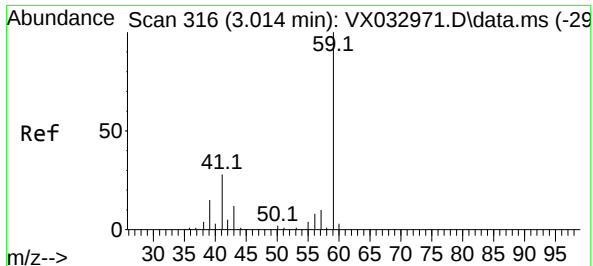
Tgt Ion:168 Resp: 121855
Ion Ratio Lower Upper
168 100
99 59.5 46.1 69.1



#3
Chloromethane
Concen: 0.704 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.012 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

Tgt Ion: 50 Resp: 708
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 4.620 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

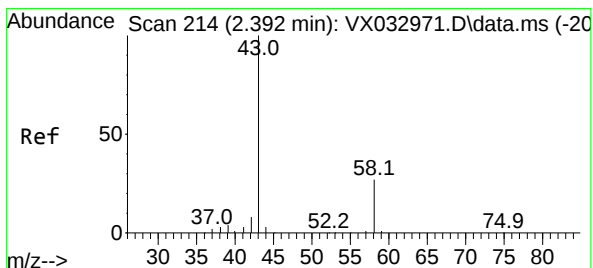
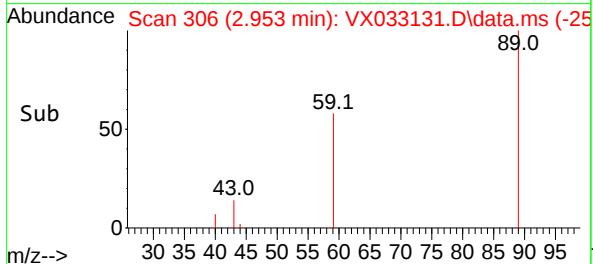
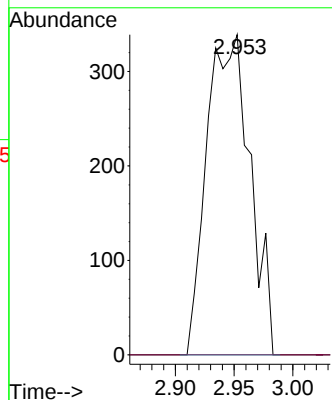
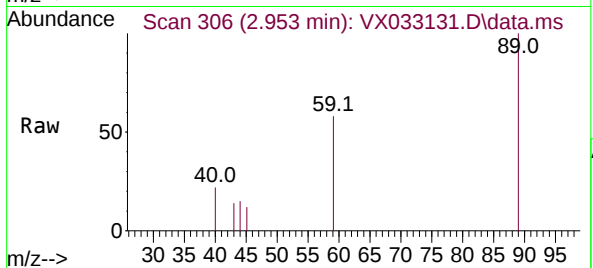
COMP-2

Tgt Ion: 59 Resp: 869

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 22.017 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX033131.D

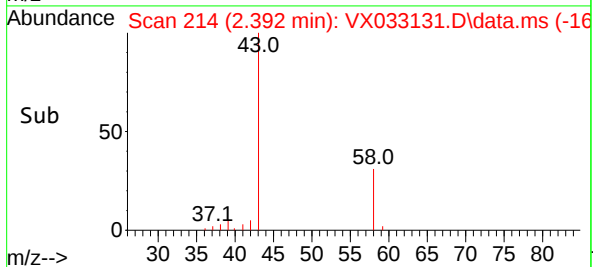
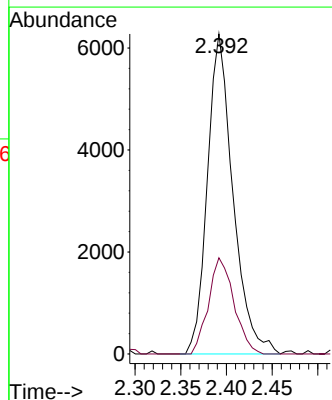
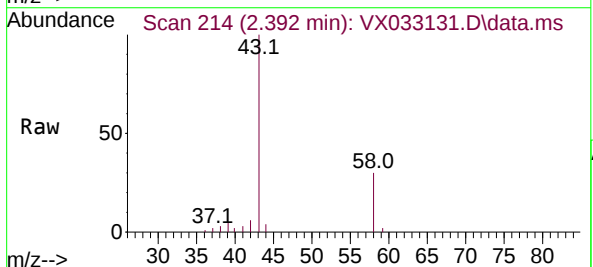
Acq: 30 Nov 2022 14:55

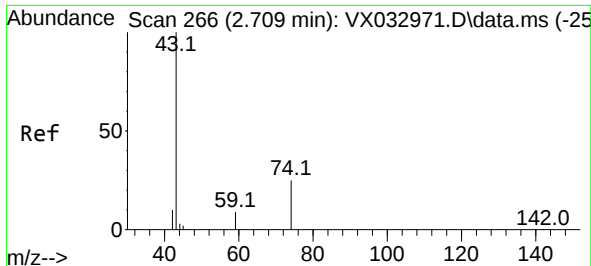
Tgt Ion: 43 Resp: 12202

Ion Ratio Lower Upper

43 100

58 30.1 23.8 35.8

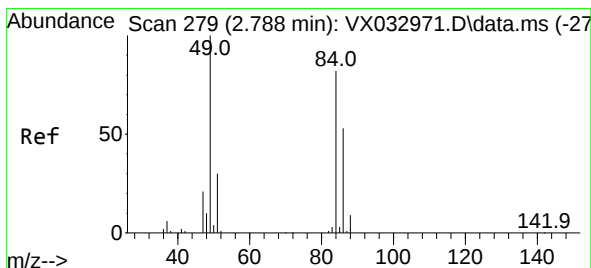
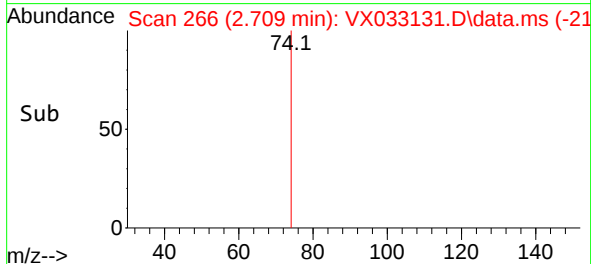
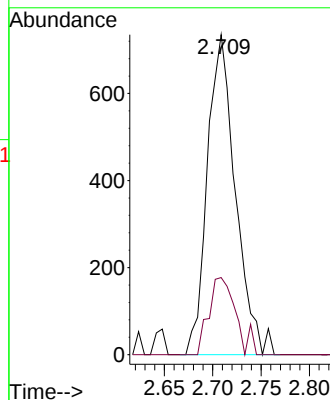
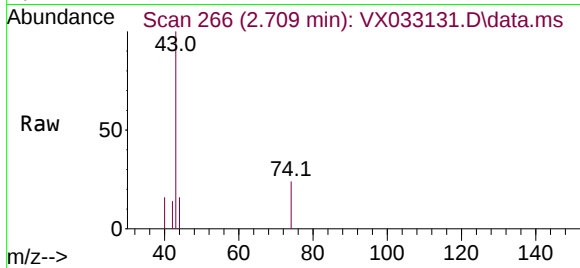




#18
Methyl Acetate
Concen: 0.969 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

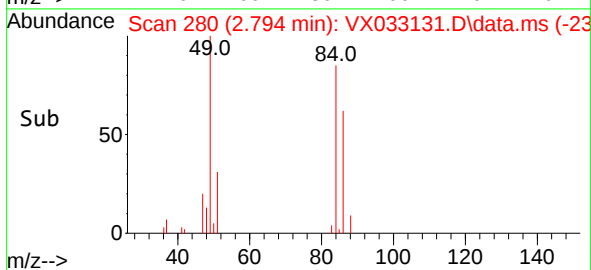
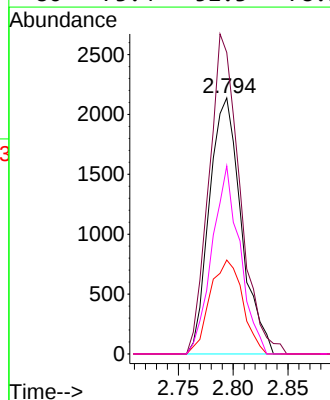
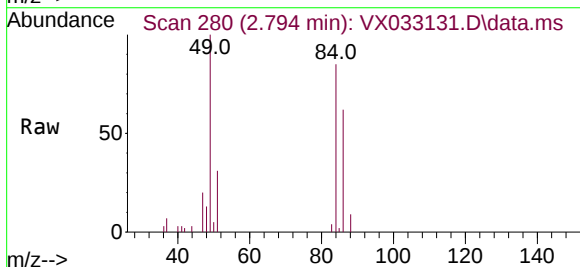
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

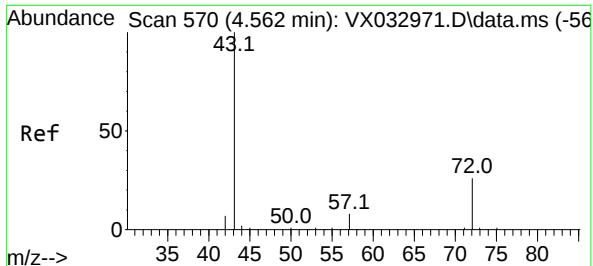
Tgt Ion: 43 Resp: 1487
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.0



#20
Methylene Chloride
Concen: 2.505 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

Tgt Ion: 84 Resp: 4310
Ion Ratio Lower Upper
84 100
49 117.7 101.0 151.6
51 36.7 31.1 46.7
86 73.4 52.3 78.5





#25

2-Butanone

Concen: 1.948 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

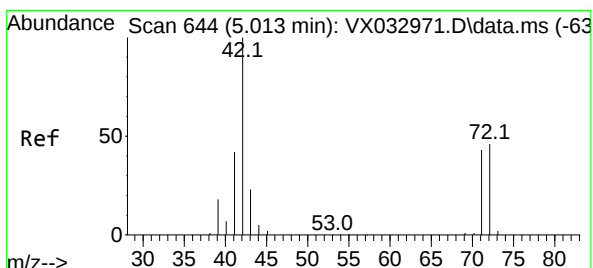
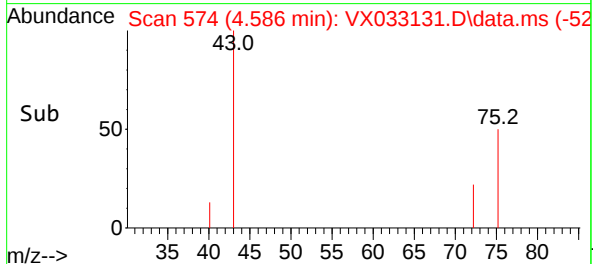
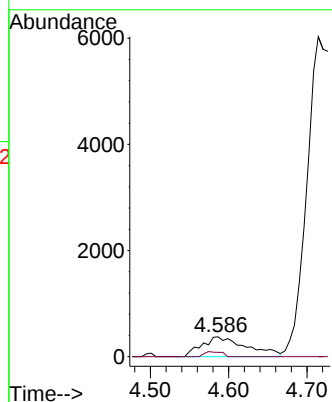
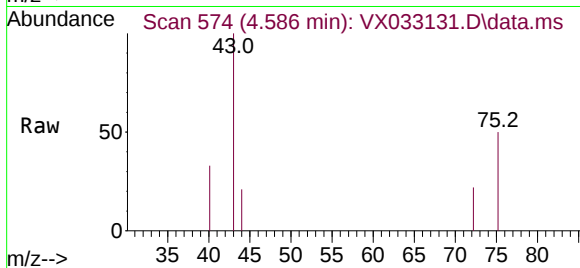
COMP-2

Tgt Ion: 43 Resp: 1489

Ion Ratio Lower Upper

43 100

72 21.7 22.2 33.2#



#29

Tetrahydrofuran

Concen: 0.994 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.043 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

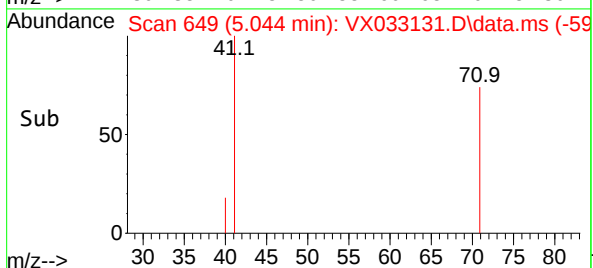
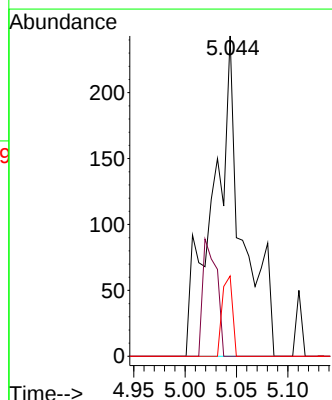
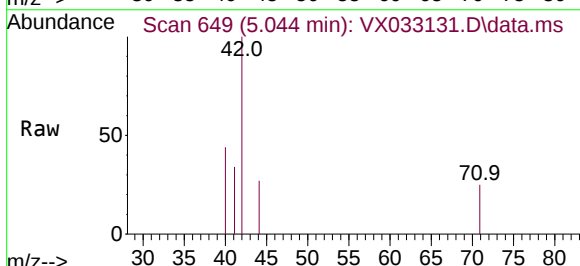
Tgt Ion: 42 Resp: 482

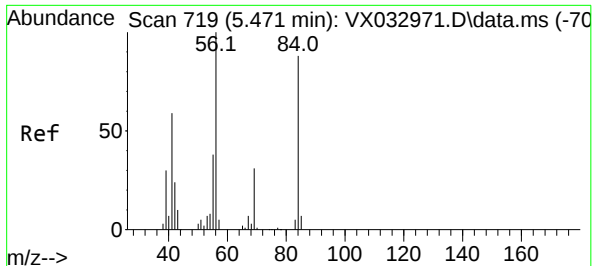
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 8.7 34.7 52.1#

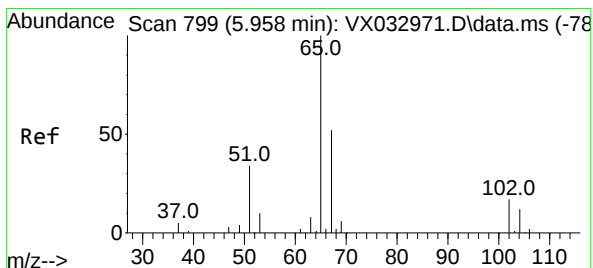
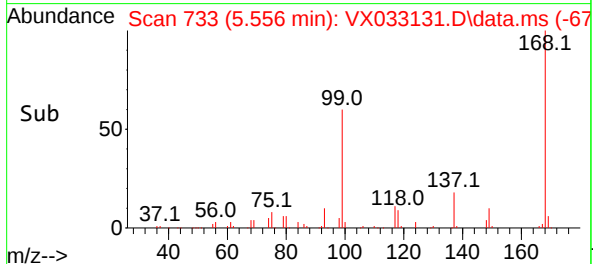
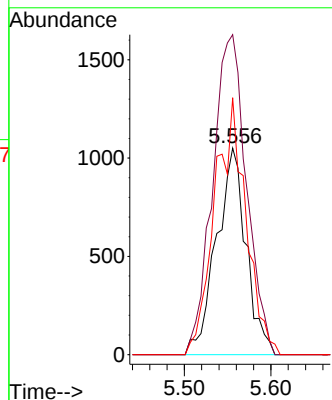
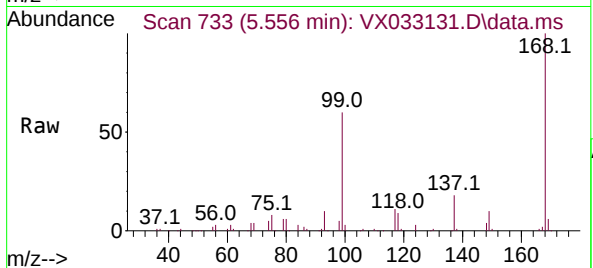




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

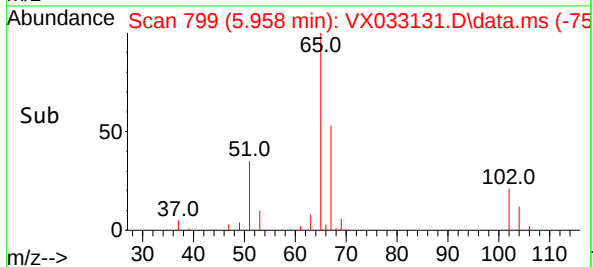
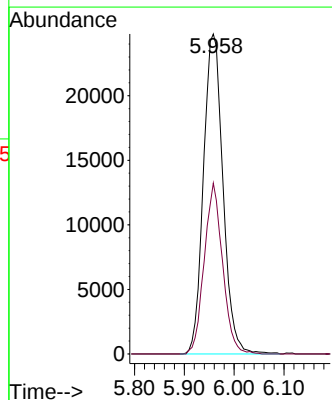
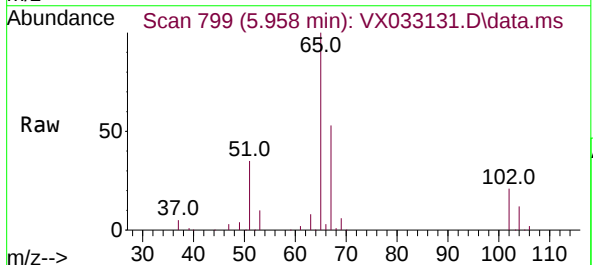
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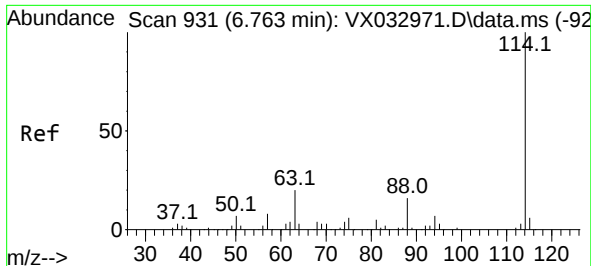
Tgt Ion: 56 Resp: 2500
Ion Ratio Lower Upper
56 100
69 154.9 24.1 36.1#
84 124.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 57.138 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

Tgt Ion: 65 Resp: 67502
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8

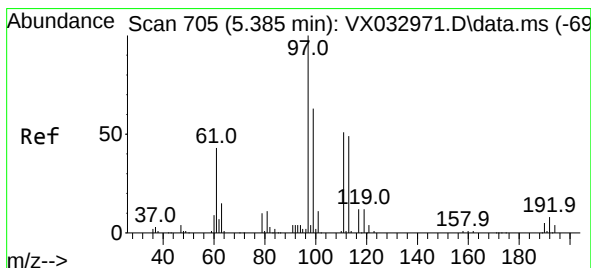
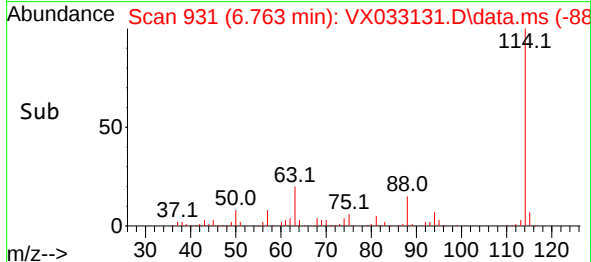
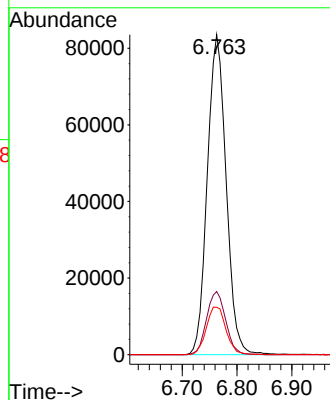
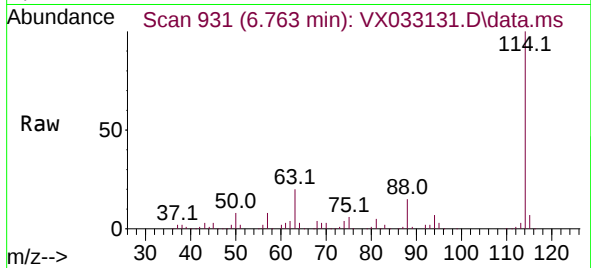




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

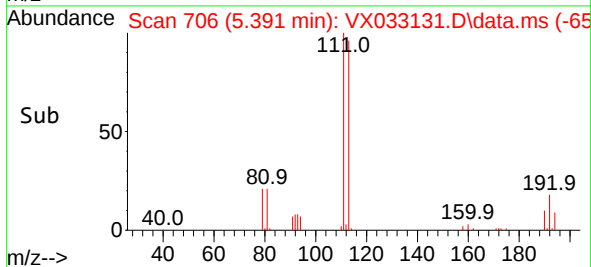
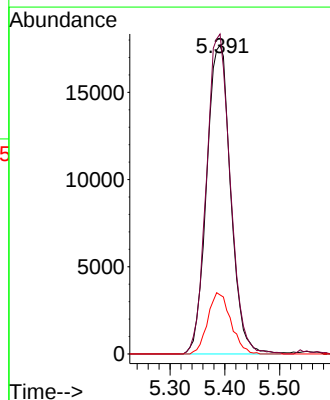
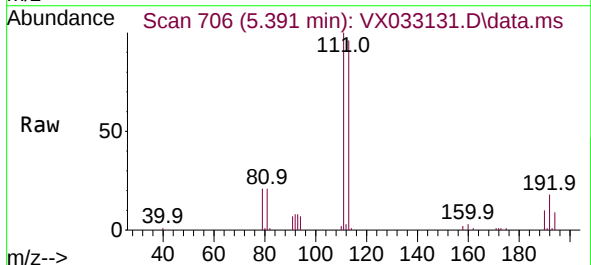
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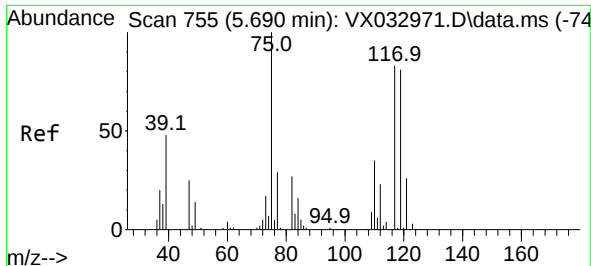
Tgt Ion:114 Resp: 198895
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.6
88 14.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.957 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

Tgt Ion:113 Resp: 53774
Ion Ratio Lower Upper
113 100
111 102.9 82.4 123.6
192 19.0 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.303 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

COMP-2

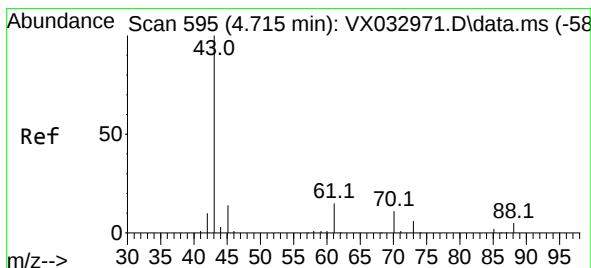
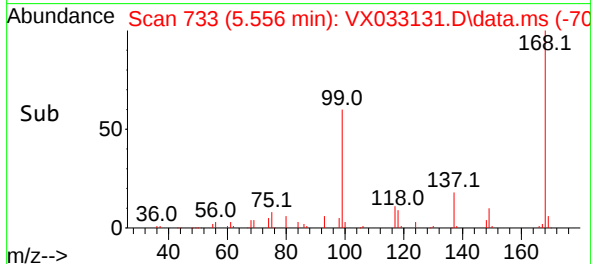
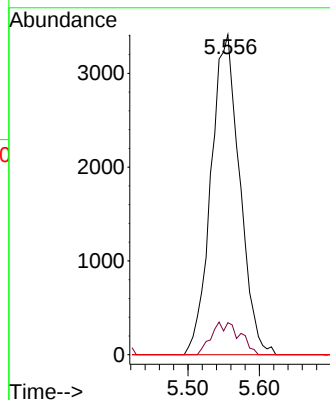
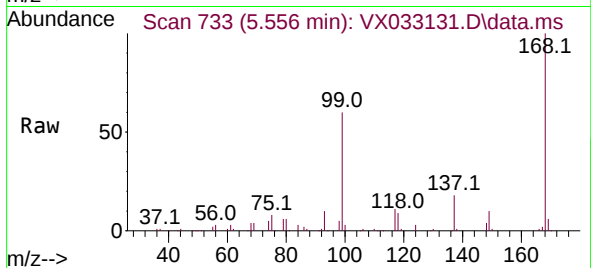
Tgt Ion: 75 Resp: 9507

Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 11.720 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

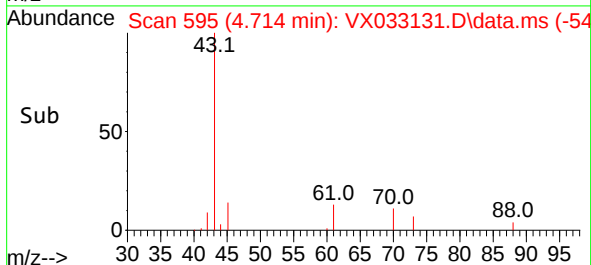
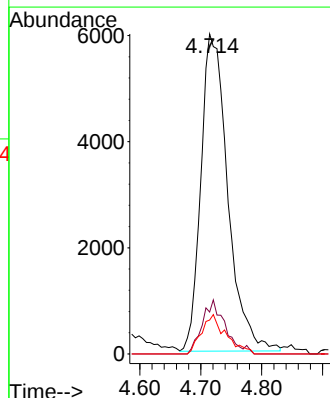
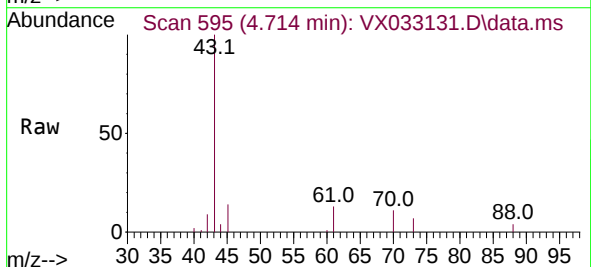
Tgt Ion: 43 Resp: 18332

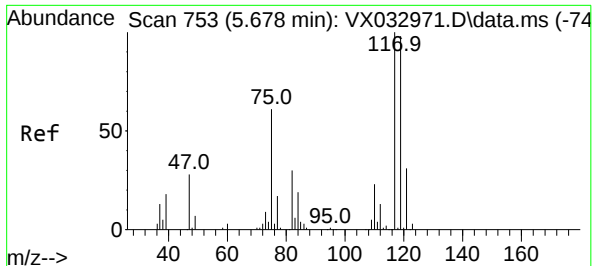
Ion Ratio Lower Upper

43 100

61 14.6 11.5 17.3

70 11.2 9.1 13.7

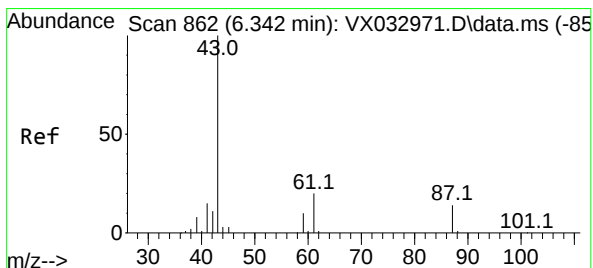
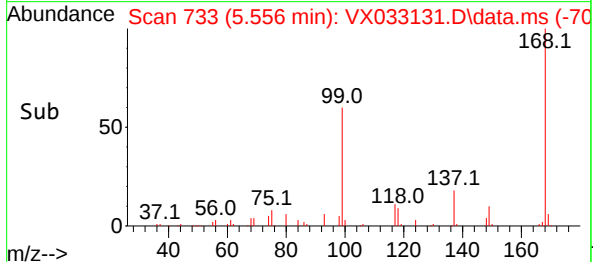
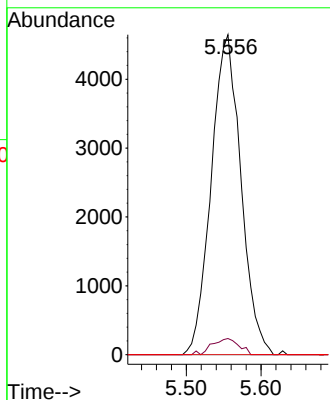
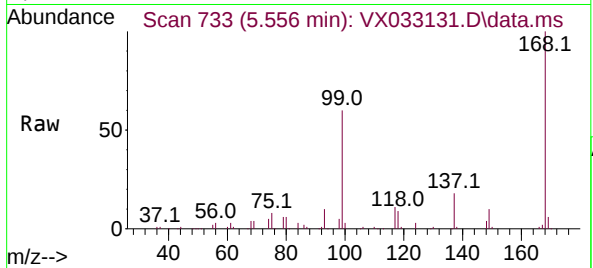




#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.128 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

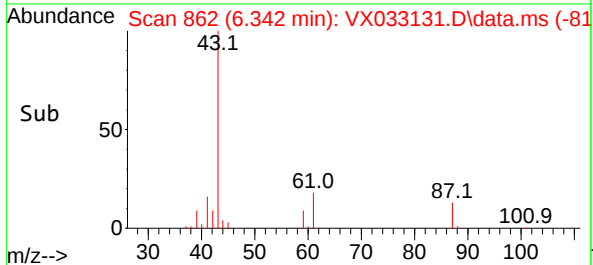
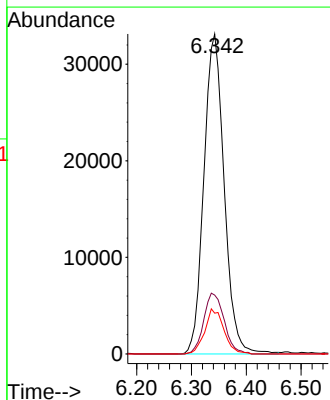
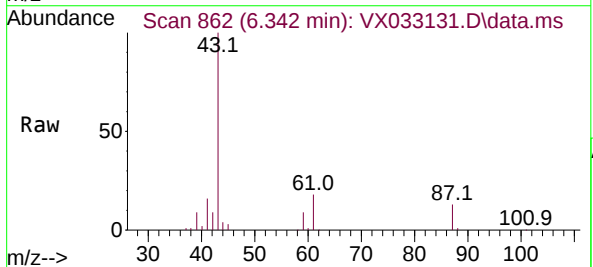
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

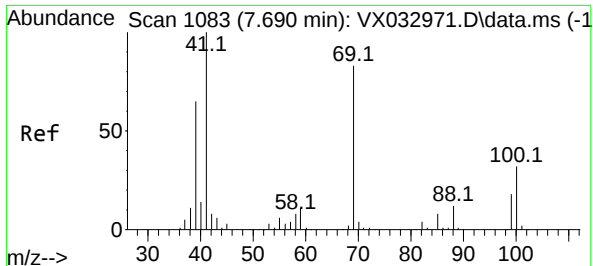
Tgt Ion:117 Resp: 12837
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 32.873 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

Tgt Ion: 43 Resp: 85038
Ion Ratio Lower Upper
43 100
61 19.1 15.4 23.0
87 13.3 10.8 16.2





#48

Methyl methacrylate

Concen: 61.237 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

COMP-2

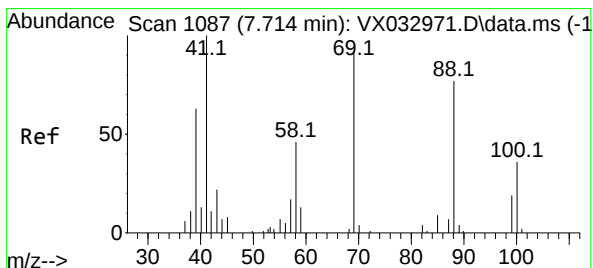
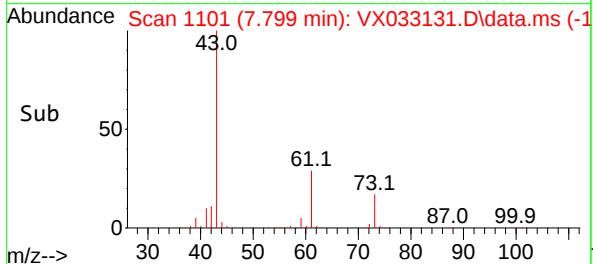
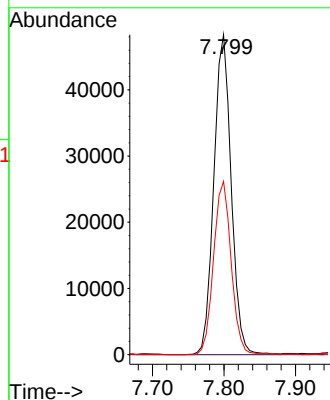
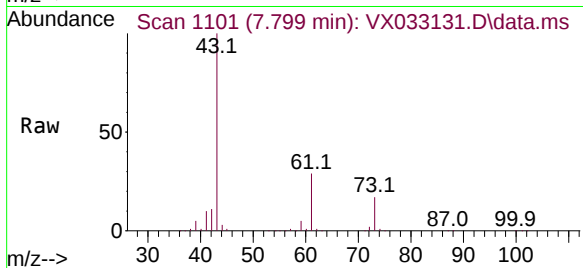
Tgt Ion: 41 Resp: 81541

Ion Ratio Lower Upper

41 100

69 0.0 65.1 97.7#

39 54.9 51.9 77.9



#49

1,4-Dioxane

Concen: 5.793 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

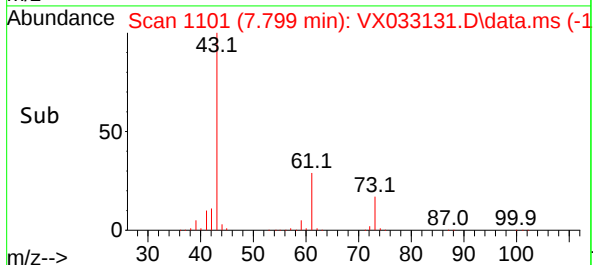
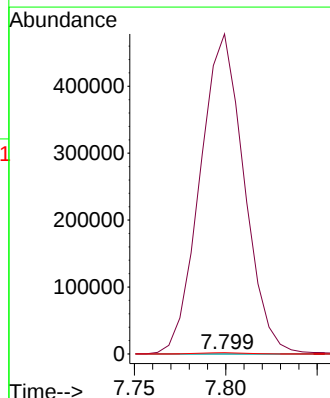
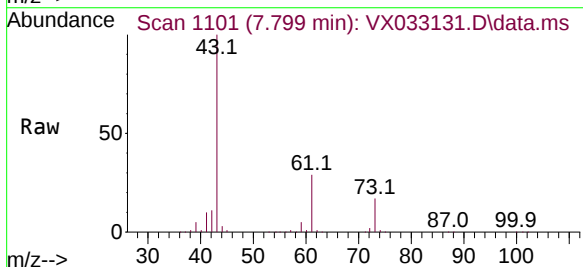
Tgt Ion: 88 Resp: 142

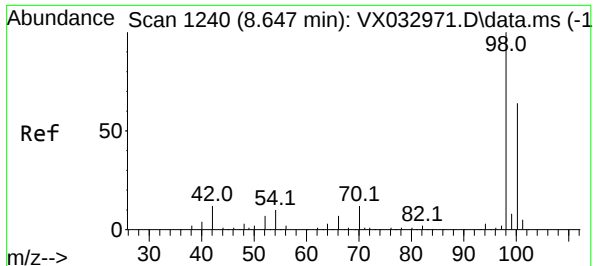
Ion Ratio Lower Upper

88 100

43 567890.8 26.6 39.8#

58 2400.0 51.7 77.5#

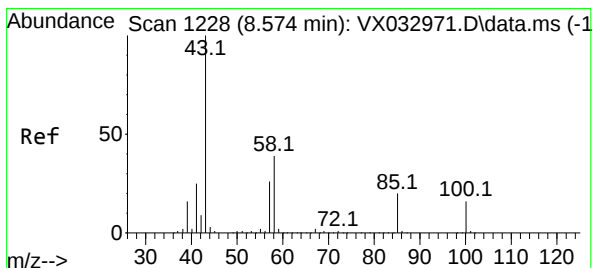
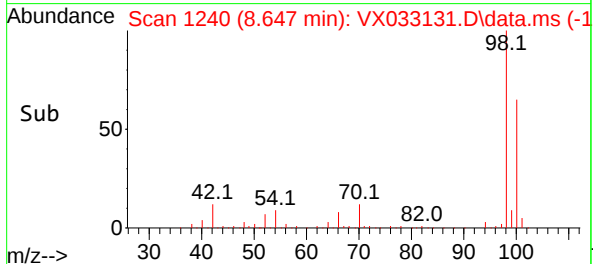
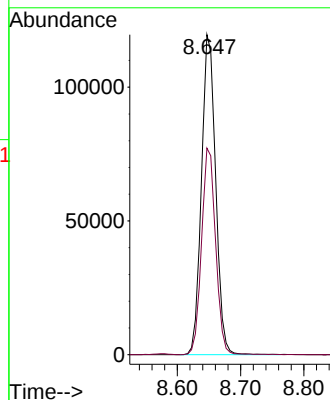
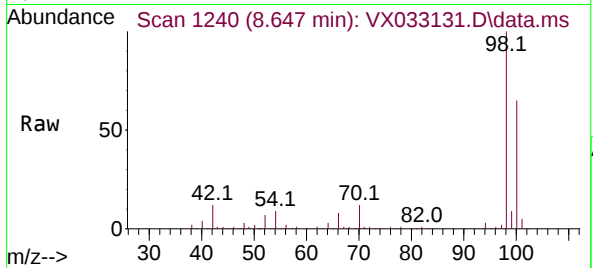




#50
Toluene-d8
Concen: 55.693 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

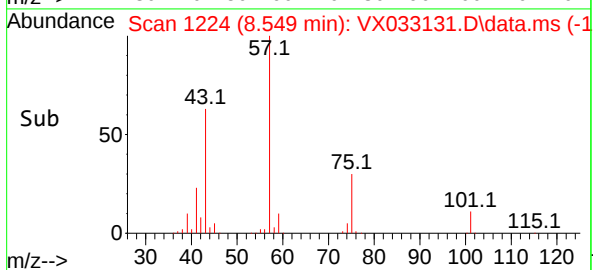
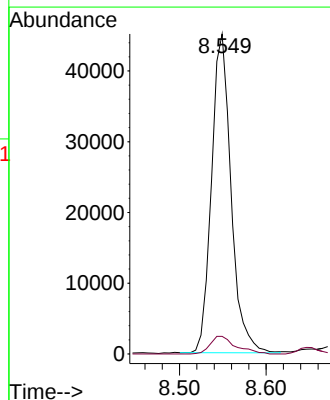
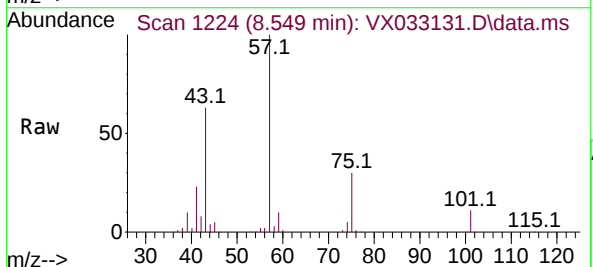
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

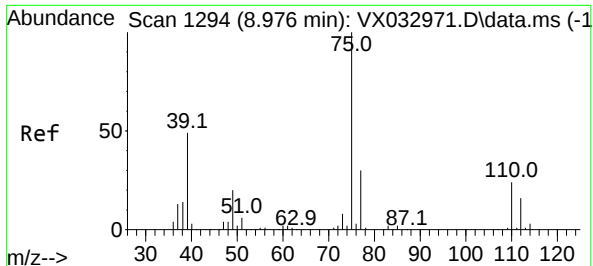
Tgt Ion: 98 Resp: 187067
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 44.265 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

Tgt Ion: 43 Resp: 70659
Ion Ratio Lower Upper
43 100
58 7.2 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 1.804 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

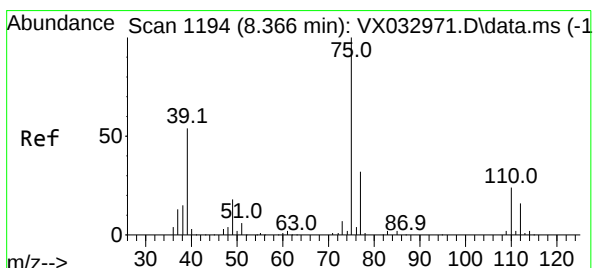
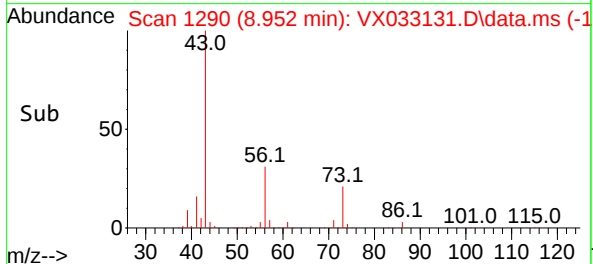
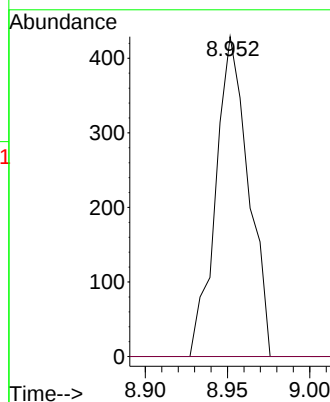
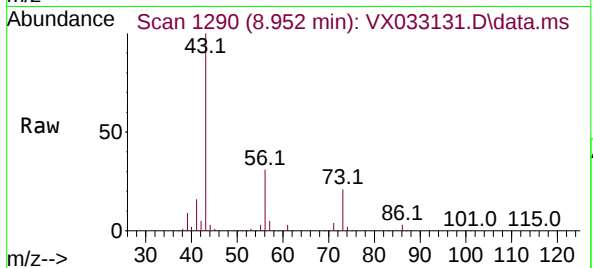
COMP-2

Tgt Ion: 75 Resp: 596

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 15.670 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

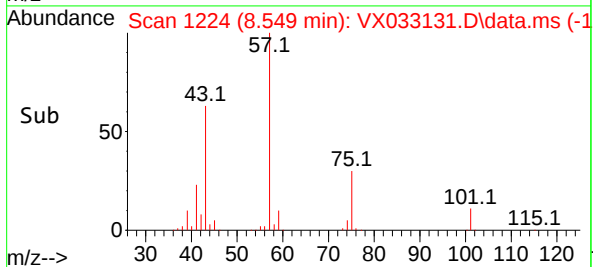
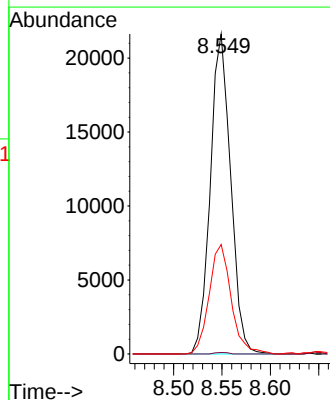
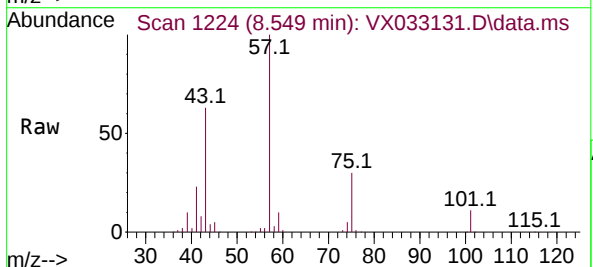
Tgt Ion: 75 Resp: 31641

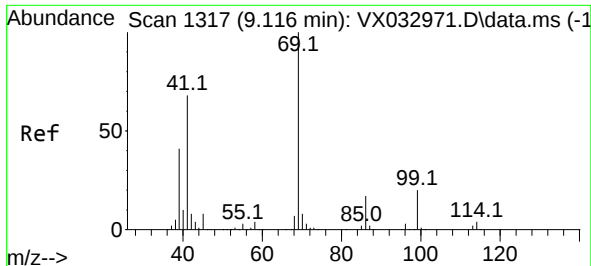
Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

39 34.2 45.5 68.3#





#56

Ethyl methacrylate

Concen: 0.358 ug/l

RT: 9.244 min Scan# 1

Delta R.T. 0.128 min

Lab File: VX033131.D

Acq: 30 Nov 2022 14:55

Instrument :

MSVOA_X

ClientSampleId :

COMP-2

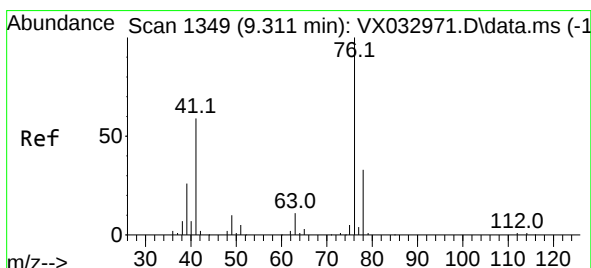
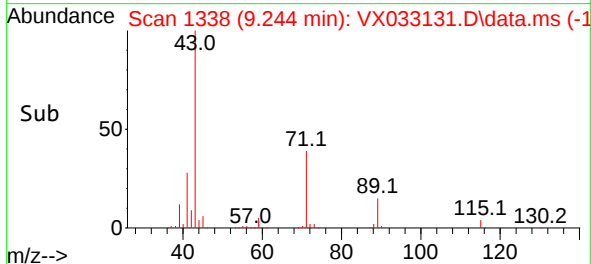
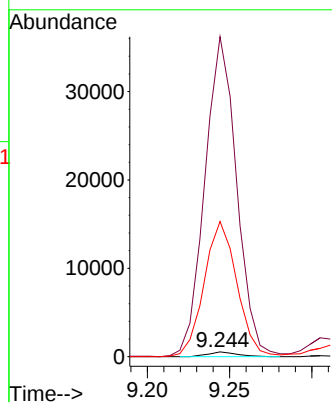
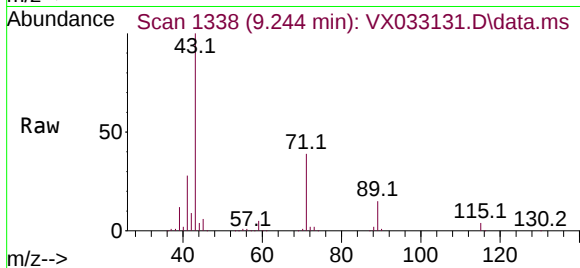
Tgt Ion: 69 Resp: 664

Ion Ratio Lower Upper

69 100

41 7344.0 54.3 81.5#

39 3195.6 35.2 52.8#



#57

1,3-Dichloropropane

Concen: 1.868 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033131.D

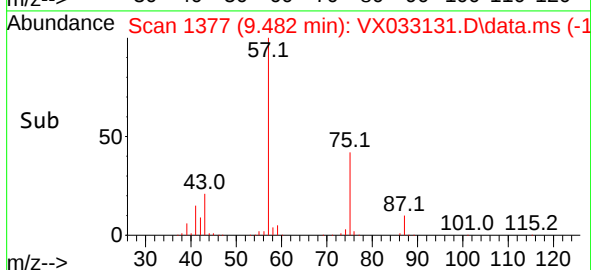
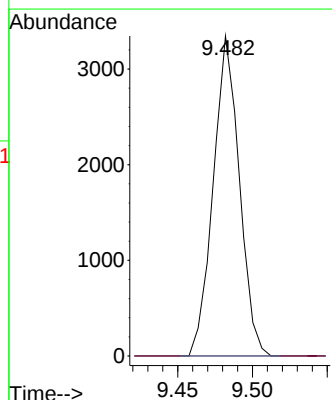
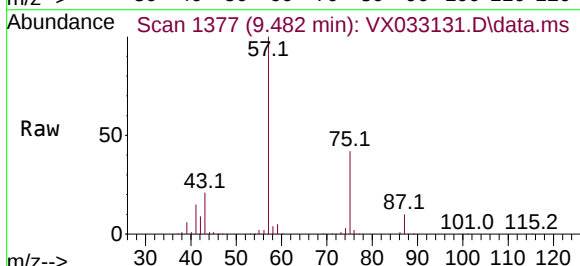
Acq: 30 Nov 2022 14:55

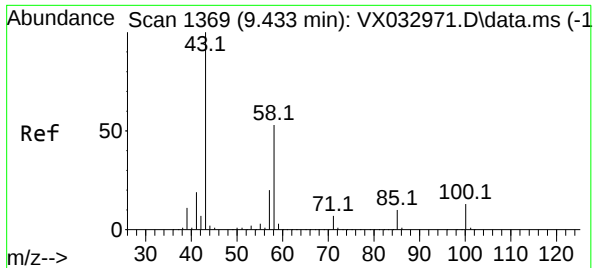
Tgt Ion: 76 Resp: 4061

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#

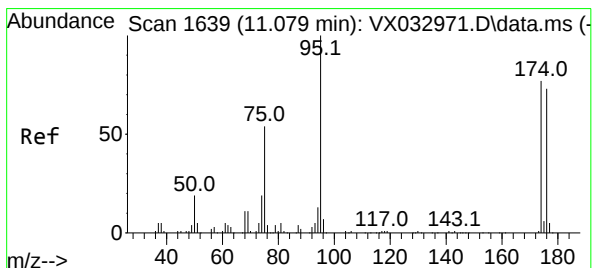
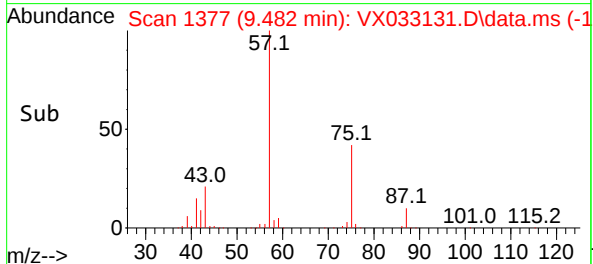
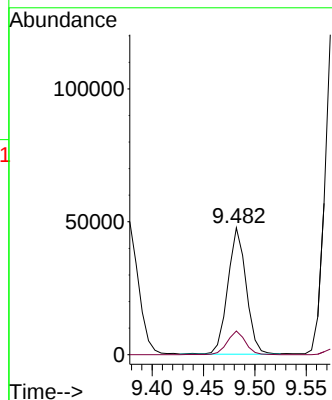
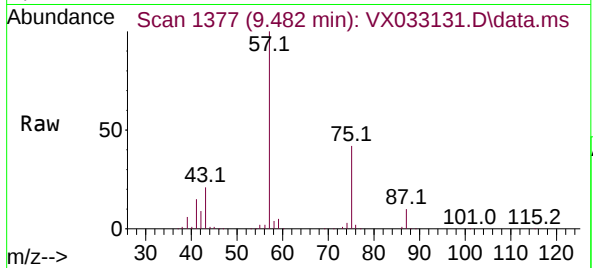




#59
2-Hexanone
Concen: 50.340 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

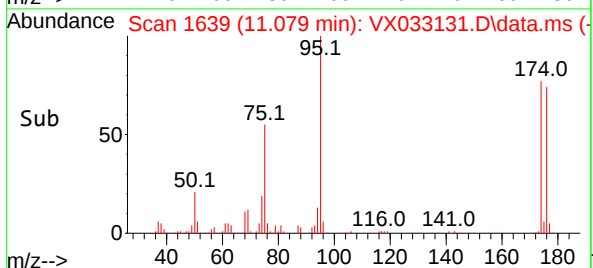
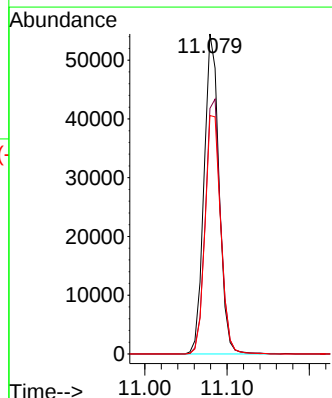
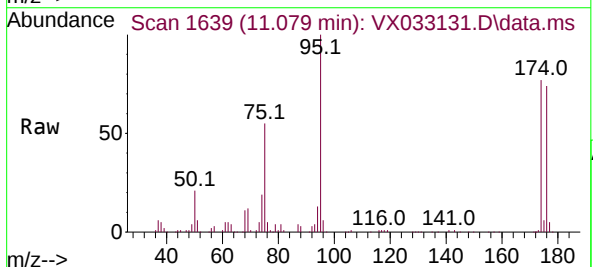
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

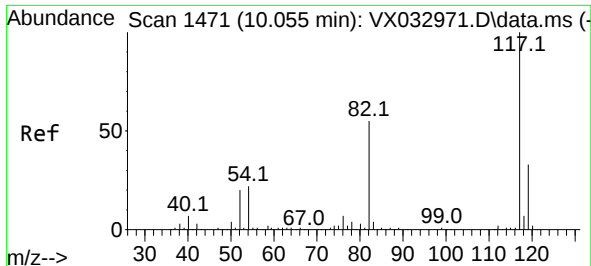
Tgt Ion: 43 Resp: 59361
Ion Ratio Lower Upper
43 100
58 18.5 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 46.854 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

Tgt Ion: 95 Resp: 69013
Ion Ratio Lower Upper
95 100
174 81.1 0.0 164.0
176 77.9 0.0 154.4

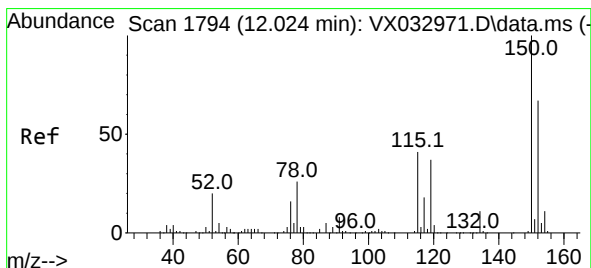
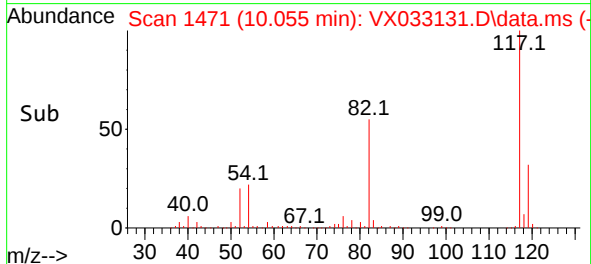
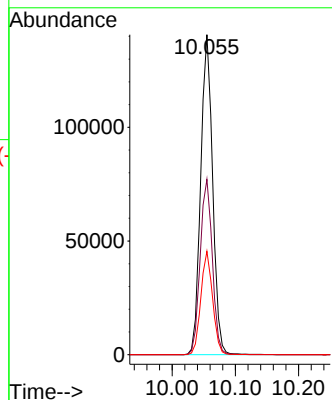
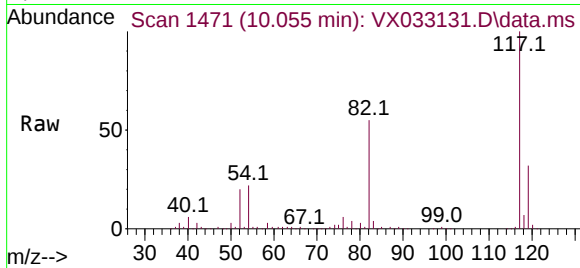




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

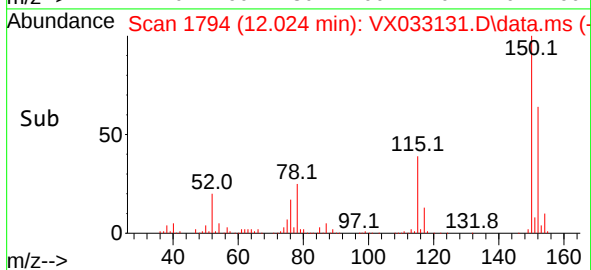
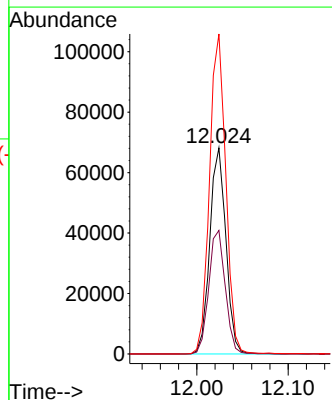
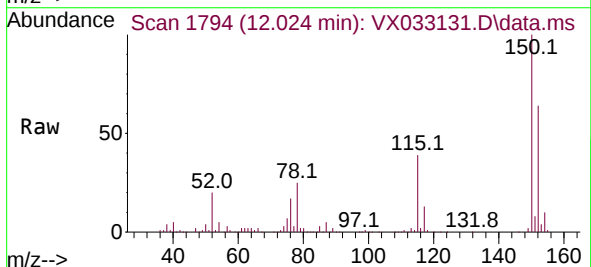
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

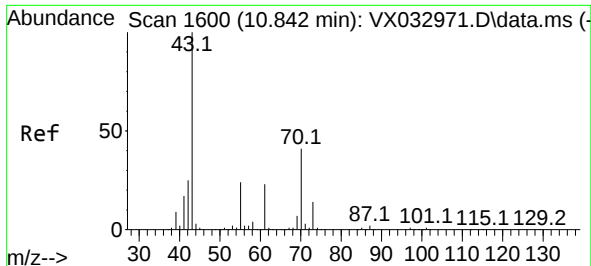
Tgt Ion:117 Resp: 185263
Ion Ratio Lower Upper
117 100
82 54.8 44.3 66.5
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

Tgt Ion:152 Resp: 83423
Ion Ratio Lower Upper
152 100
115 61.3 44.0 132.0
150 156.7 0.0 351.8

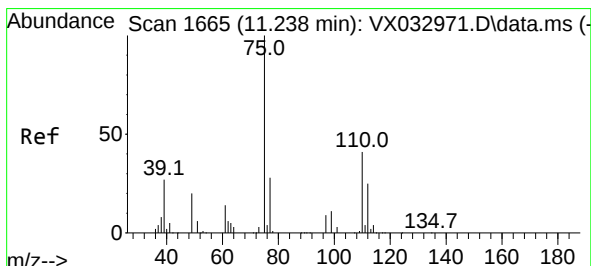
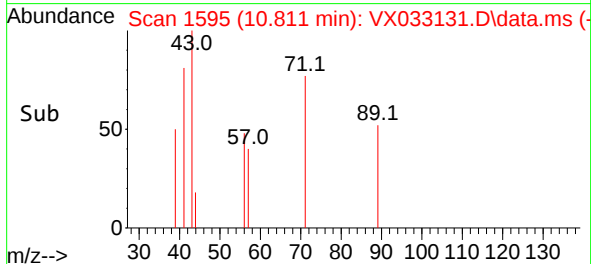
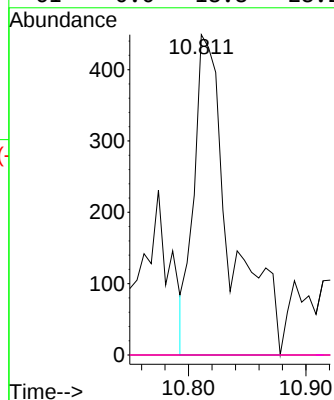
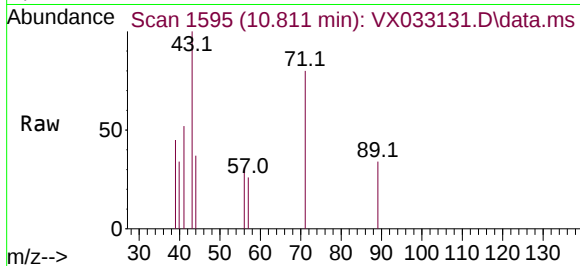




#74
N-amy1 acetate
Concen: 0.480 ug/l
RT: 10.811 min Scan# 1639
Delta R.T. -0.030 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

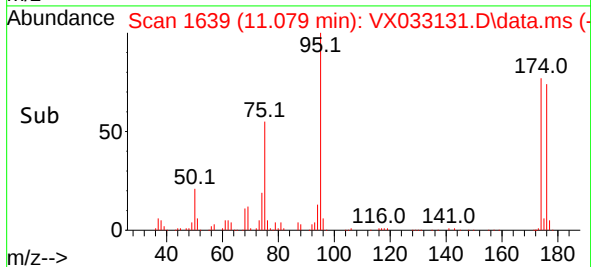
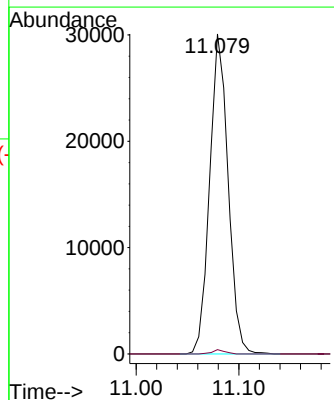
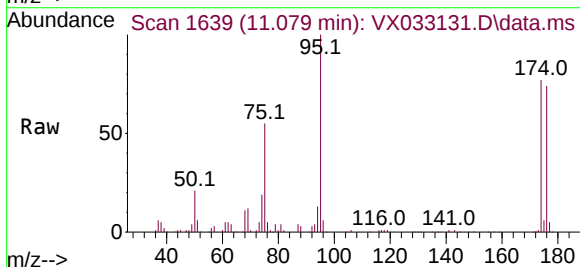
Instrument :
MSVOA_X
ClientSampleId :
COMP-2

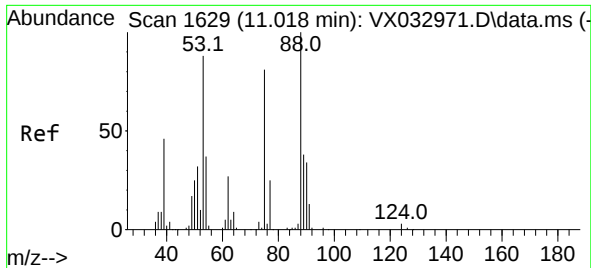
Tgt Ion: 43	Resp: 973
Ion Ratio	Lower Upper
43 100	
70 0.0	33.6 50.4#
55 0.0	19.4 29.2#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 23.731 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033131.D
Acq: 30 Nov 2022 14:55

Tgt Ion: 75	Resp: 37493
Ion Ratio	Lower Upper
75 100	
77 0.9	20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.138 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033131.D
 Acq: 30 Nov 2022 14:55

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-2

Tgt Ion: 75 Resp: 37493
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

