

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011022\
 Data File : VX026406.D
 Acq On : 10 Jan 2022 16:40
 Operator : JC/MD
 Sample : N1046-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JAN)

Quant Time: Jan 11 04:56:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

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

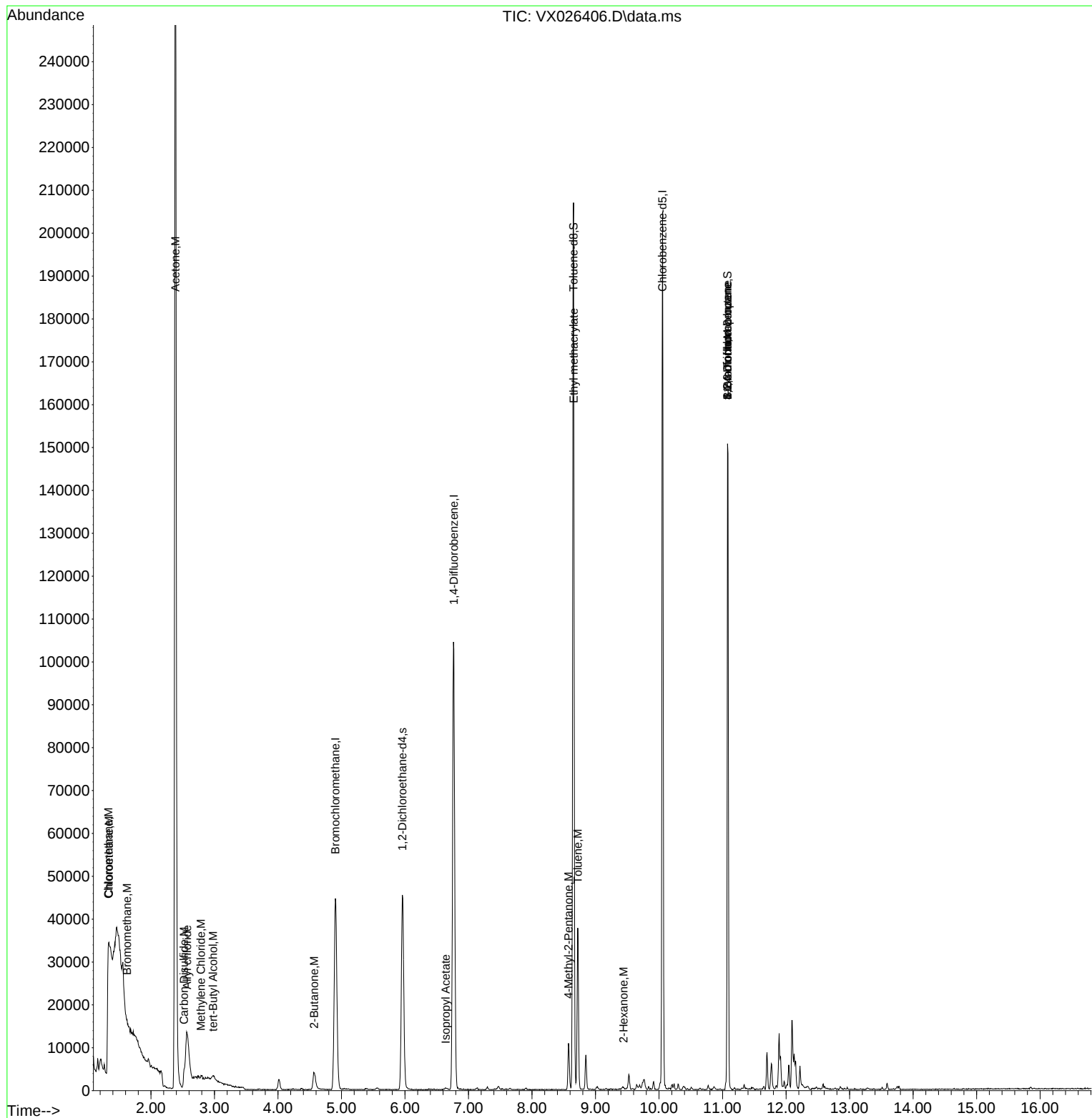
Internal Standards						
1) Bromochloromethane	4.904	128	18809	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	103490	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	88866	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	45399	30.017	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.067%	
60) 4-Bromofluorobenzene	11.079	95	42679	28.777	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 95.933%	
63) Toluene-d8	8.653	98	121894	29.858	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.533%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.331	50	934	0.944	ug/l #	44
5) Bromomethane	1.624	94	114	0.231	ug/l #	5
6) Chloroethane	1.337	64	67644	108.950	ug/l #	50
15) Acetone	2.386	58	95365	513.857	ug/l	96
16) Carbon Disulfide	2.520	76	6780	2.375	ug/l	98
17) Allyl chloride	2.569	41	1435	0.737	ug/l	83
18) Methylene Chloride	2.788	84	270	0.242	ug/l #	67
23) tert-Butyl Alcohol	2.977	59	253	1.181	ug/l #	100
30) 2-Butanone	4.568	43	8325	8.968	ug/l #	75
44) Isopropyl Acetate	6.641	43	622	0.223	ug/l #	57
51) Ethyl methacrylate	8.659	69	468	0.268	ug/l	95
56) Bromoform	11.079	173	382	0.484	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	6882	4.152	ug/l	99
59) 2-Hexanone	9.439	43	426	0.332	ug/l #	34
62) Toluene	8.720	91	22803	4.806	ug/l	98
72) 1,2,3-Trichloropropane	11.079	75	22199	15.651	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	22199	52.040	ug/l #	3

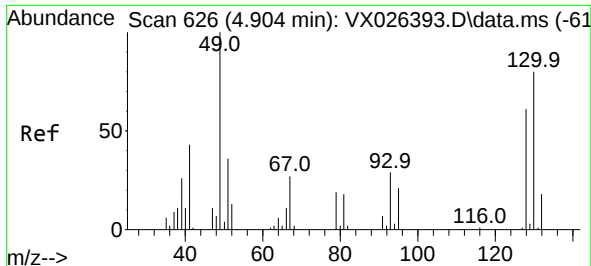
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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001-WILLETS-PT-BLVD(JAN)

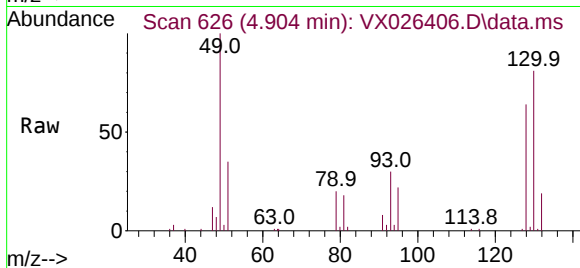
Quant Time: Jan 11 04:56:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration



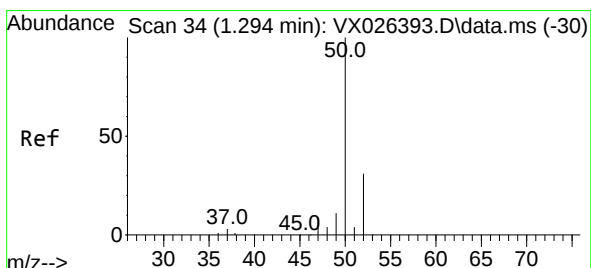
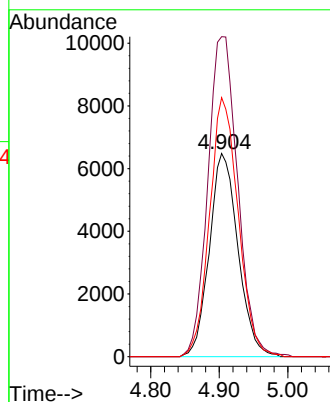
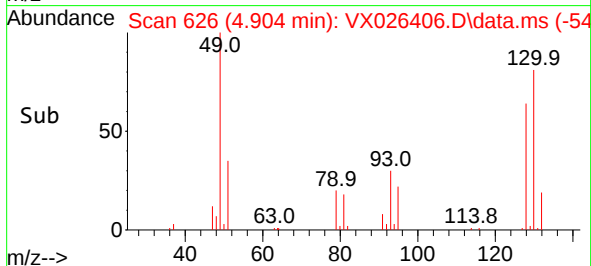


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)

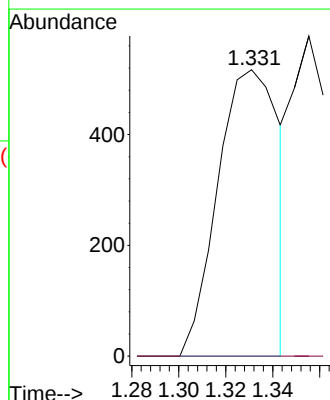
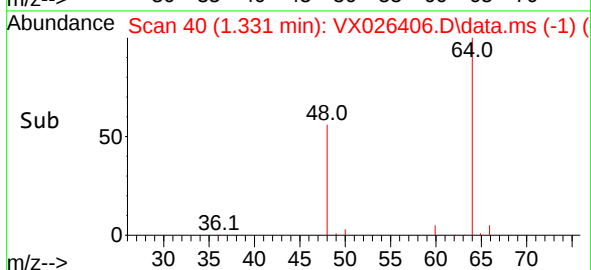
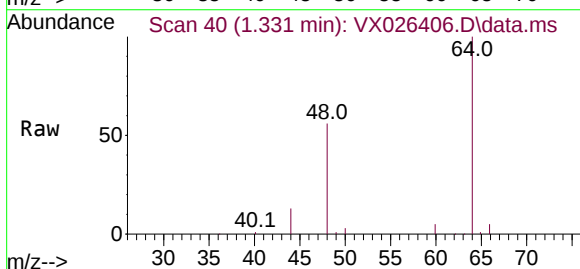


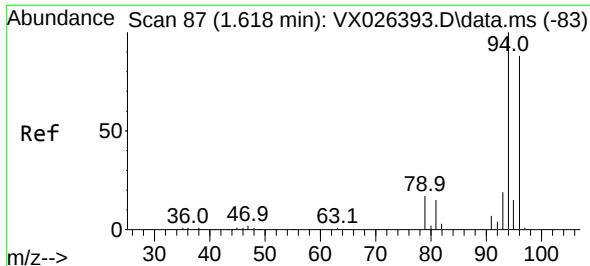
Tgt Ion:128 Resp: 18809
Ion Ratio Lower Upper
128 100
49 164.4 0.0 413.5
130 127.6 0.0 326.0



#3
Chloromethane
Concen: 0.944 ug/l
RT: 1.331 min Scan# 40
Delta R.T. 0.037 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

Tgt Ion: 50 Resp: 934
Ion Ratio Lower Upper
50 100
52 0.0 24.8 37.2#

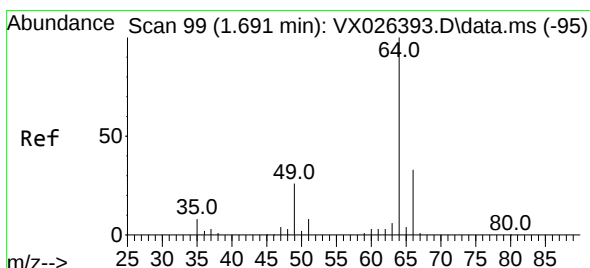
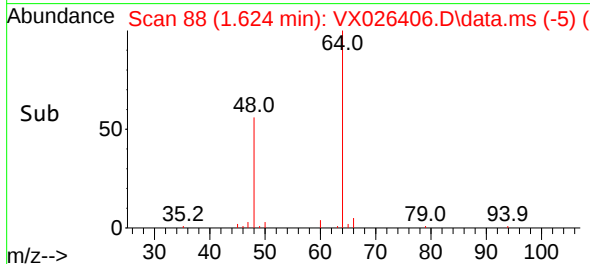
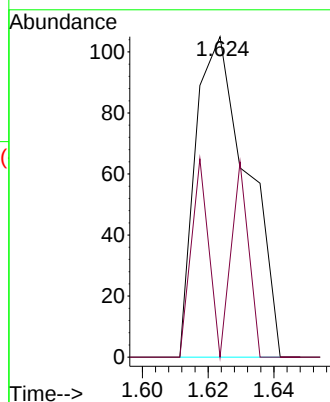
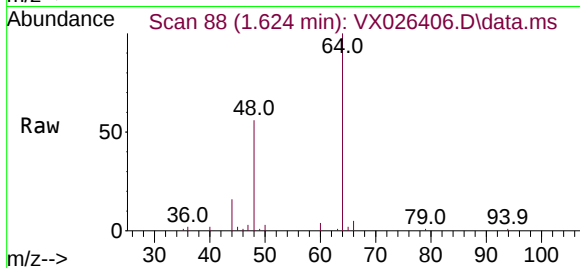




#5
Bromomethane
Concen: 0.231 ug/l
RT: 1.624 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

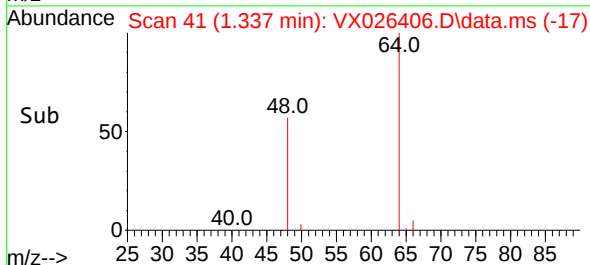
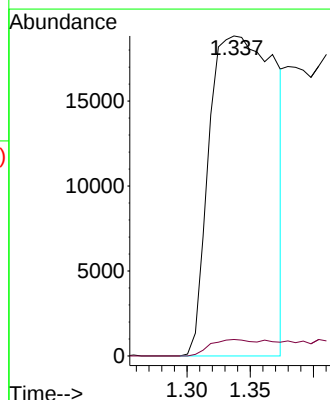
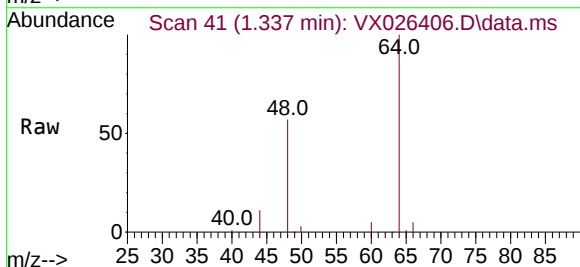
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)

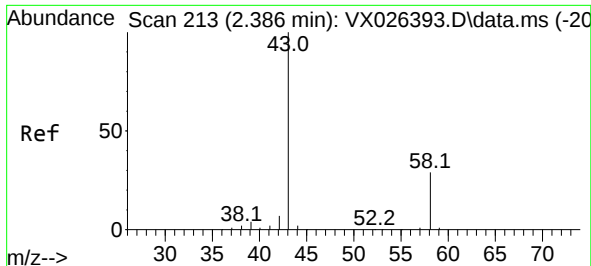
Tgt Ion: 94 Resp: 114
Ion Ratio Lower Upper
94 100
96 0.0 70.3 105.5#



#6
Chloroethane
Concen: 108.950 ug/l
RT: 1.337 min Scan# 41
Delta R.T. -0.354 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

Tgt Ion: 64 Resp: 67644
Ion Ratio Lower Upper
64 100
66 5.1 26.6 39.8#





#15

Acetone

Concen: 513.857 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX026406.D

Acq: 10 Jan 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

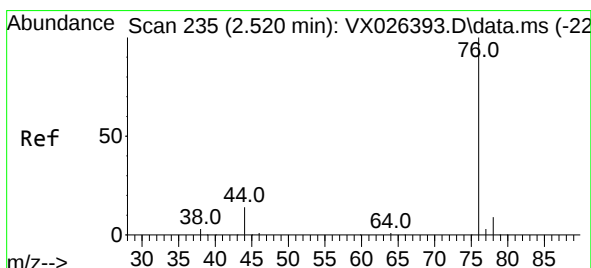
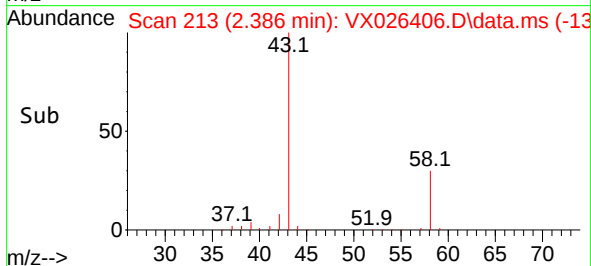
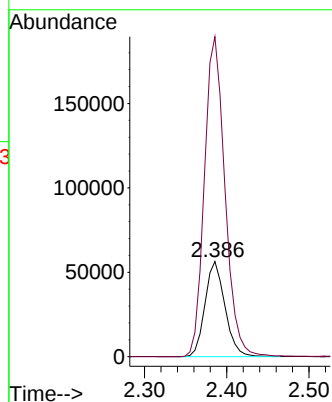
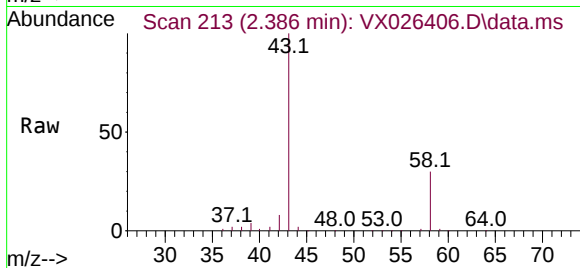
001-WILLETS-PT-BLVD(JAN)

Tgt Ion: 58 Resp: 95365

Ion Ratio Lower Upper

58 100

43 335.9 276.3 414.5



#16

Carbon Disulfide

Concen: 2.375 ug/l

RT: 2.520 min Scan# 235

Delta R.T. -0.000 min

Lab File: VX026406.D

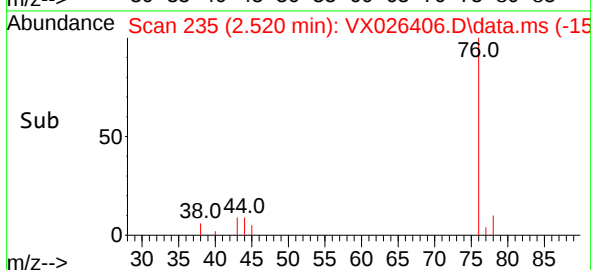
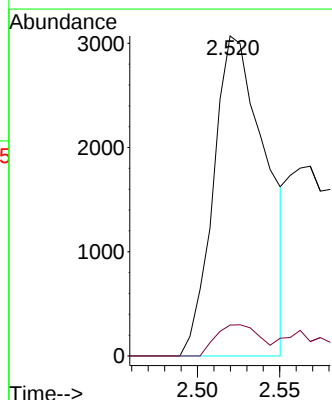
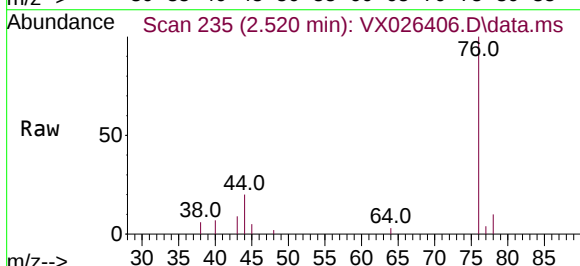
Acq: 10 Jan 2022 16:40

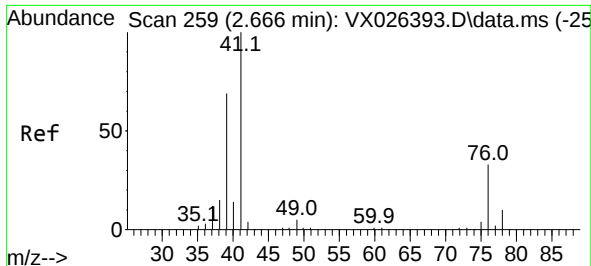
Tgt Ion: 76 Resp: 6780

Ion Ratio Lower Upper

76 100

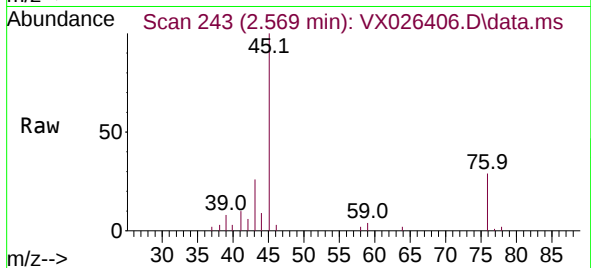
78 9.7 7.3 10.9



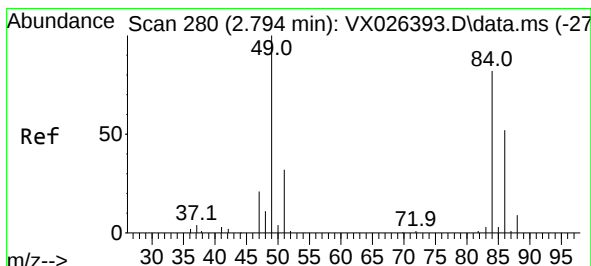
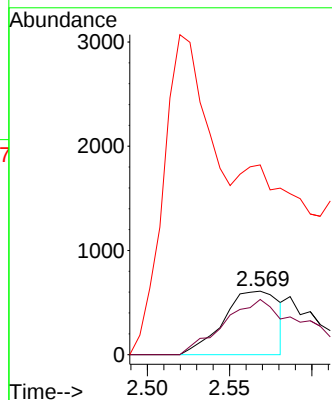
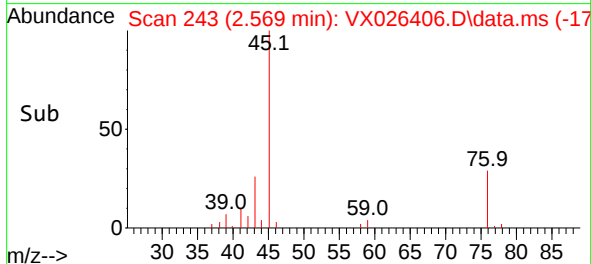


#17
 Allyl chloride
 Concen: 0.737 ug/l
 RT: 2.569 min Scan# 243
 Delta R.T. -0.098 min
 Lab File: VX026406.D
 Acq: 10 Jan 2022 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(JAN)

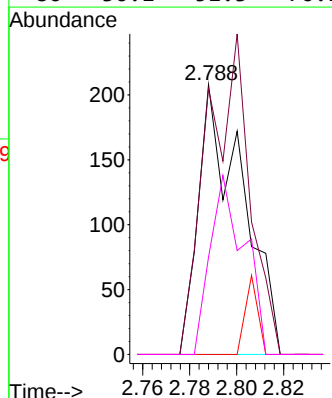
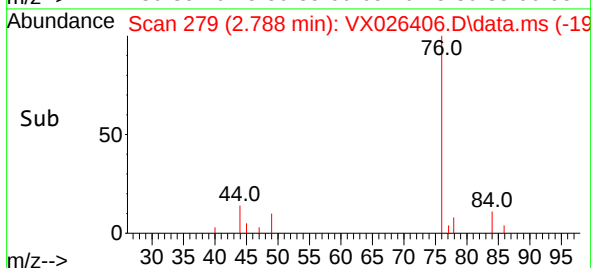
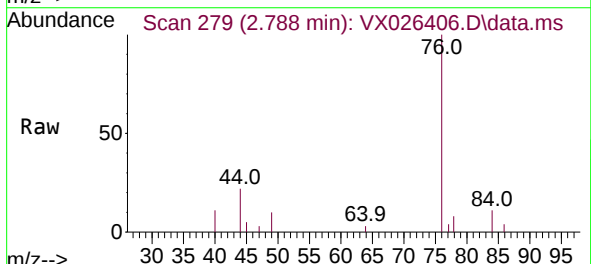


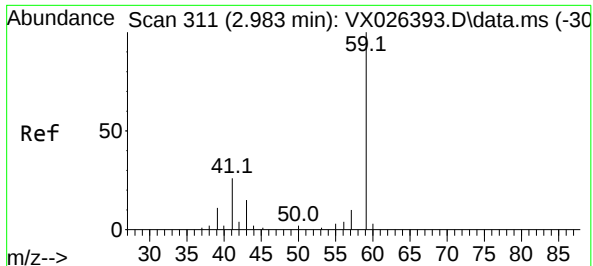
Tgt Ion:	41	Resp:	1435
Ion	Ratio	Lower	Upper
41	100		
39	86.9	34.5	103.5
76	36.4	16.7	50.0



#18
 Methylene Chloride
 Concen: 0.242 ug/l
 RT: 2.788 min Scan# 279
 Delta R.T. -0.006 min
 Lab File: VX026406.D
 Acq: 10 Jan 2022 16:40

Tgt Ion:	84	Resp:	270
Ion	Ratio	Lower	Upper
84	100		
49	98.6	97.8	146.8
51	0.0	31.1	46.7#
86	36.1	51.3	76.9#





#23

tert-Butyl Alcohol

Concen: 1.181 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX026406.D

Acq: 10 Jan 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

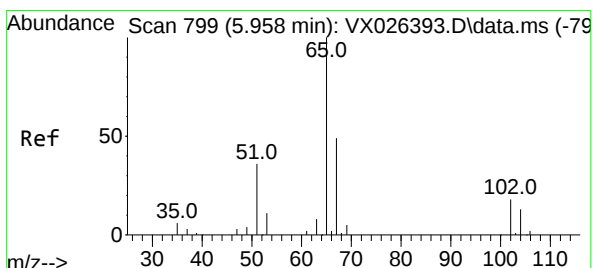
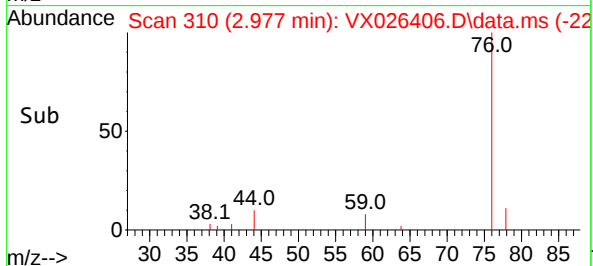
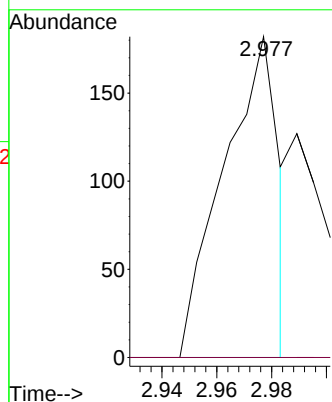
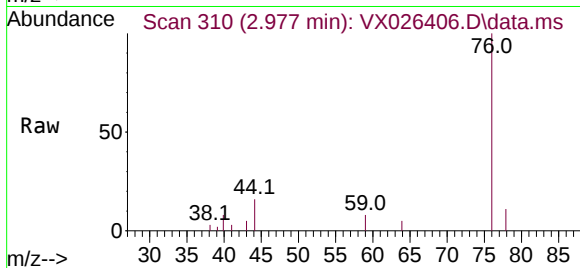
001-WILLETS-PT-BLVD(JAN)

Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 30.017 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX026406.D

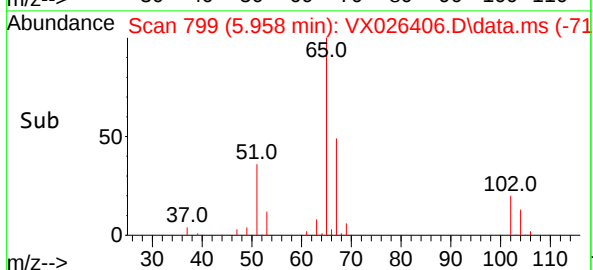
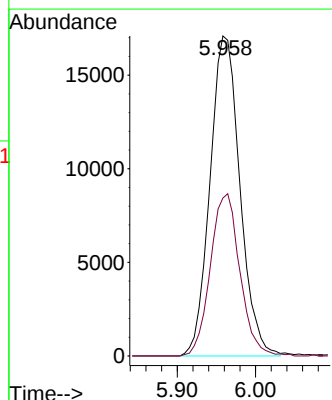
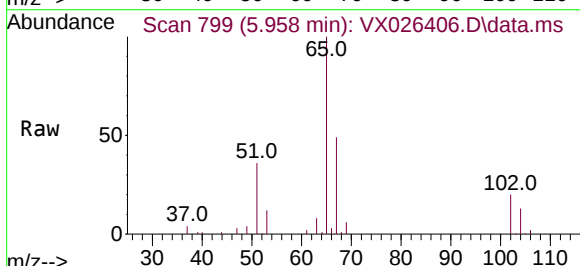
Acq: 10 Jan 2022 16:40

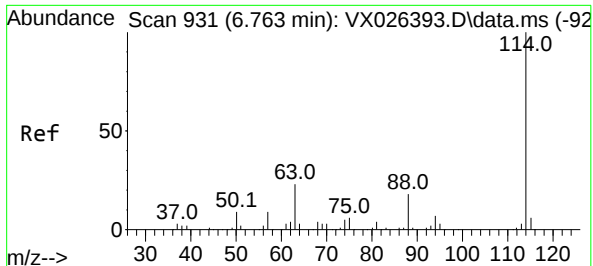
Tgt Ion: 65 Resp: 45399

Ion Ratio Lower Upper

65 100

67 49.9 39.6 59.4





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX026406.D

Acq: 10 Jan 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JAN)

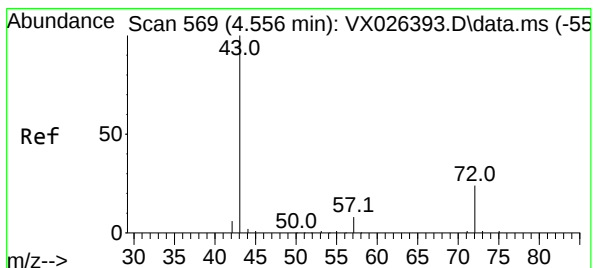
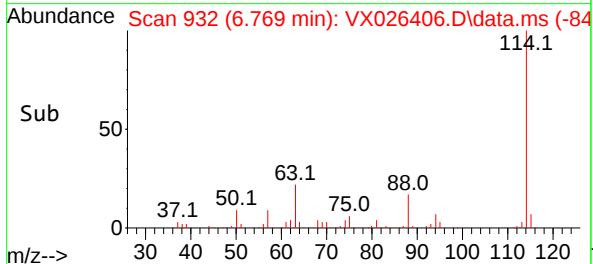
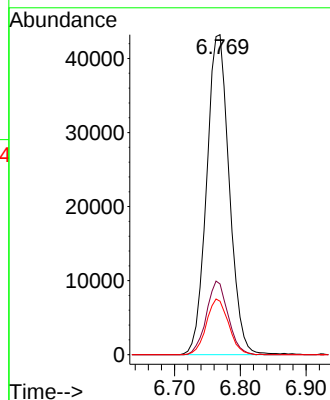
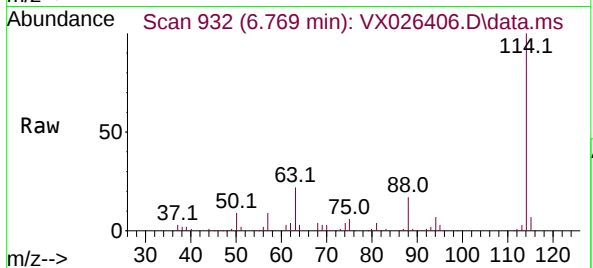
Tgt Ion:114 Resp: 103490

Ion Ratio Lower Upper

114 100

63 22.0 17.4 26.2

88 17.0 13.5 20.3



#30

2-Butanone

Concen: 8.968 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX026406.D

Acq: 10 Jan 2022 16:40

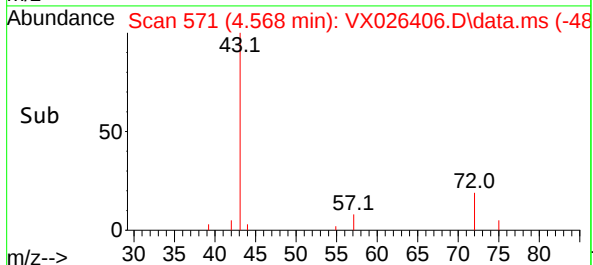
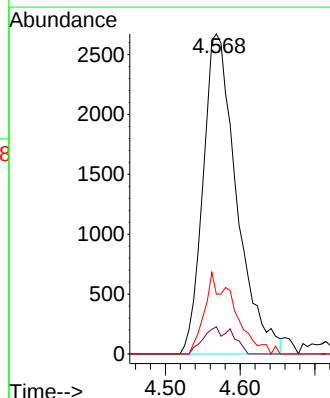
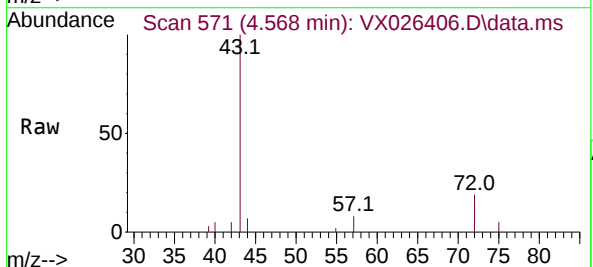
Tgt Ion: 43 Resp: 8325

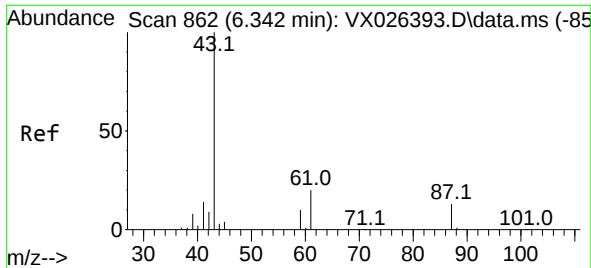
Ion Ratio Lower Upper

43 100

57 4.4 6.3 9.5#

72 9.6 19.8 29.6#





#44

Isopropyl Acetate

Concen: 0.223 ug/l

RT: 6.641 min Scan# 911

Delta R.T. 0.299 min

Lab File: VX026406.D

Acq: 10 Jan 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

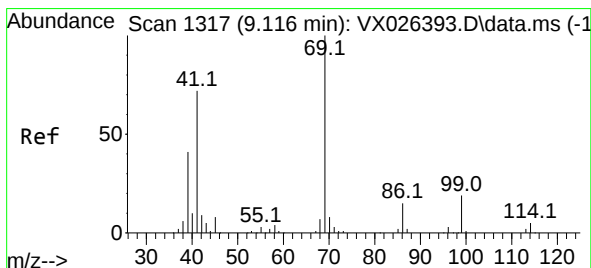
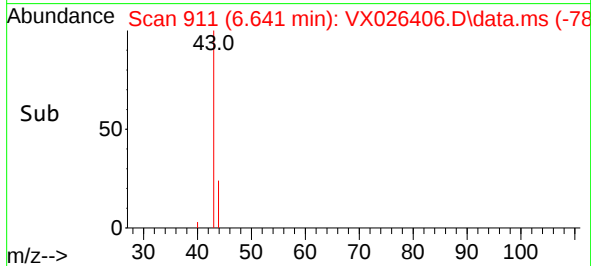
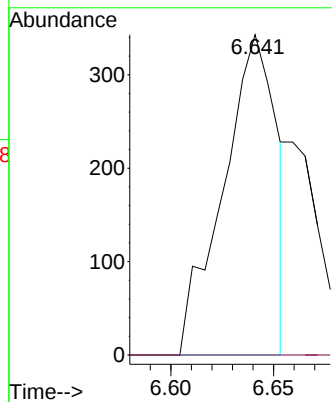
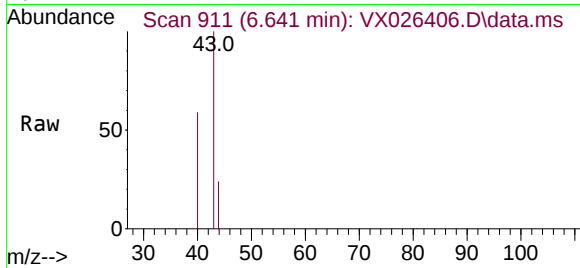
001-WILLETS-PT-BLVD(JAN)

Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.2#



#51

Ethyl methacrylate

Concen: 0.268 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. -0.457 min

Lab File: VX026406.D

Acq: 10 Jan 2022 16:40

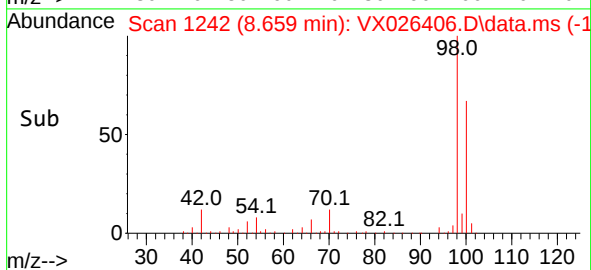
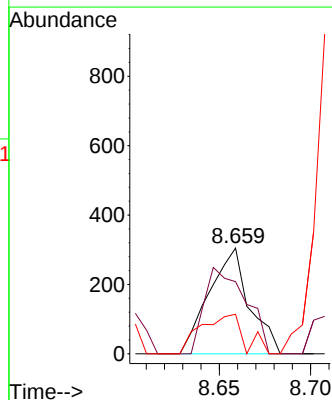
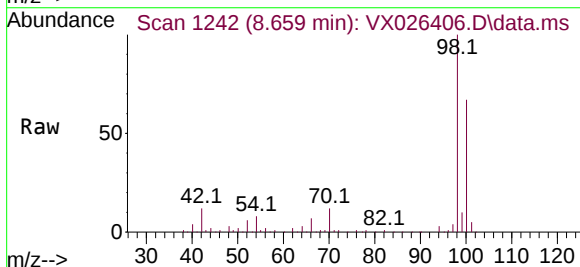
Tgt Ion: 69 Resp: 468

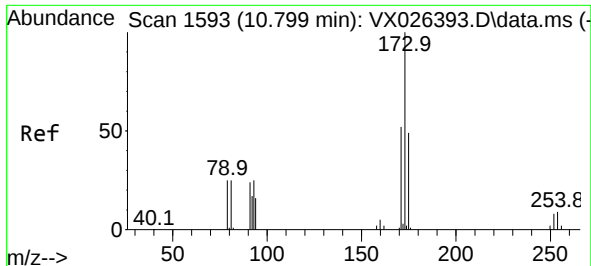
Ion Ratio Lower Upper

69 100

41 68.2 35.9 107.7

39 37.4 20.3 61.0

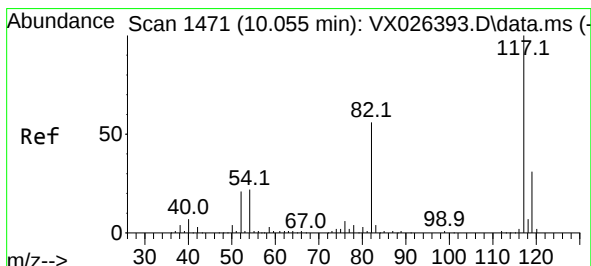
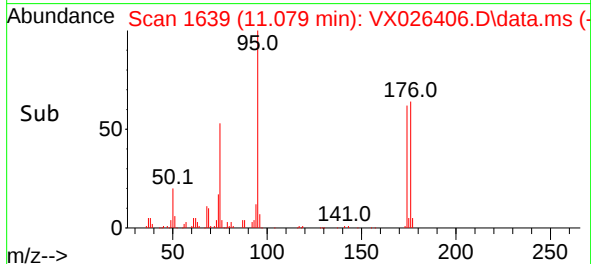
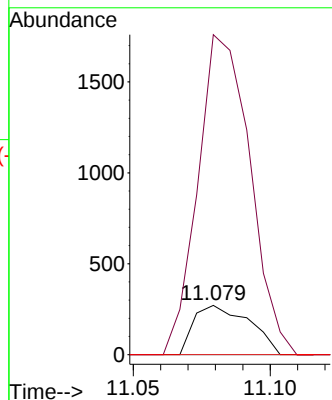
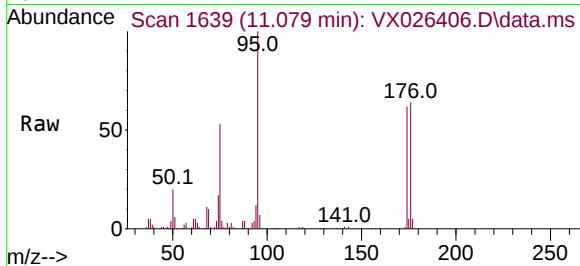




#56
Bromoform
Concen: 0.484 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

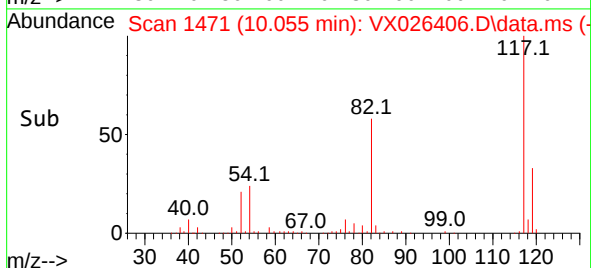
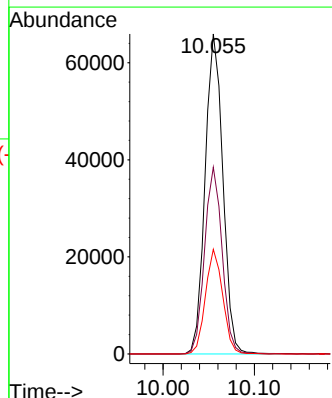
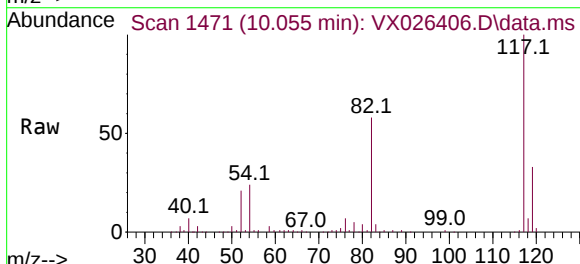
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)

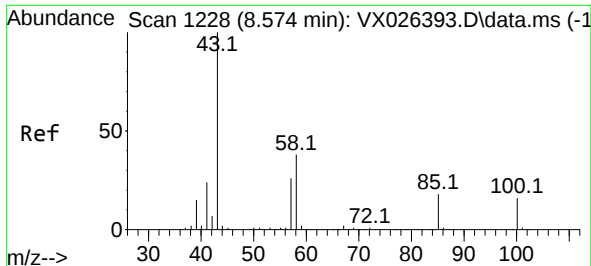
Tgt Ion:173 Resp: 382
Ion Ratio Lower Upper
173 100
175 610.2 38.0 57.0#
254 0.0 6.6 10.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

Tgt Ion:117 Resp: 88866
Ion Ratio Lower Upper
117 100
82 57.7 46.2 69.4
119 31.8 25.4 38.2





#58

4-Methyl-2-Pentanone

Concen: 4.152 ug/l

RT: 8.574 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX026406.D

Acq: 10 Jan 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JAN)

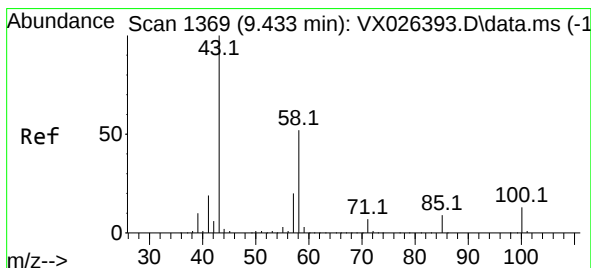
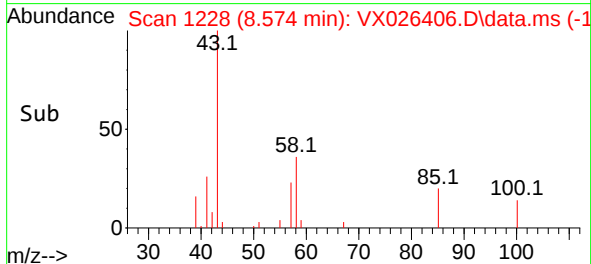
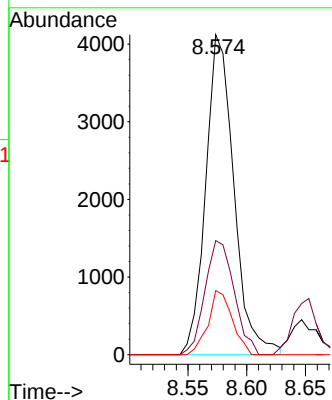
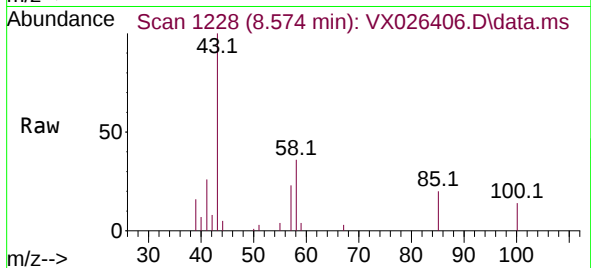
Tgt Ion: 43 Resp: 6882

Ion Ratio Lower Upper

43 100

58 36.8 30.2 45.4

85 17.2 14.1 21.1



#59

2-Hexanone

Concen: 0.332 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX026406.D

Acq: 10 Jan 2022 16:40

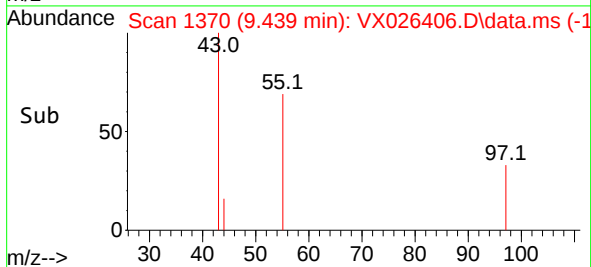
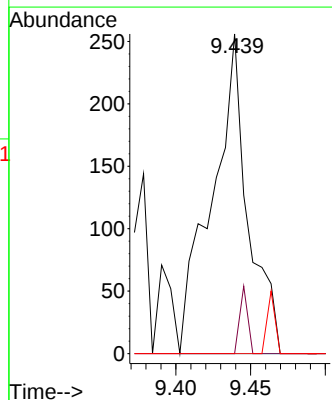
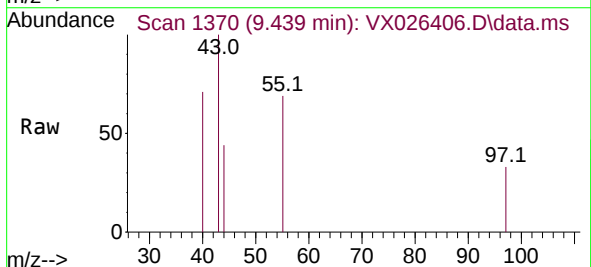
Tgt Ion: 43 Resp: 426

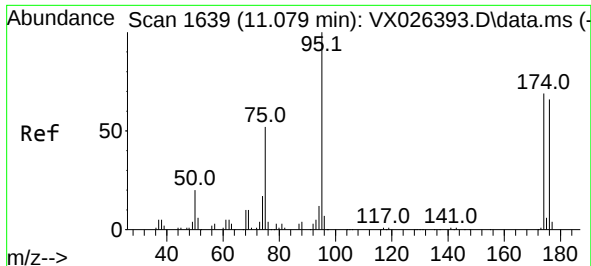
Ion Ratio Lower Upper

43 100

58 0.0 42.0 63.0#

57 0.0 15.2 22.8#

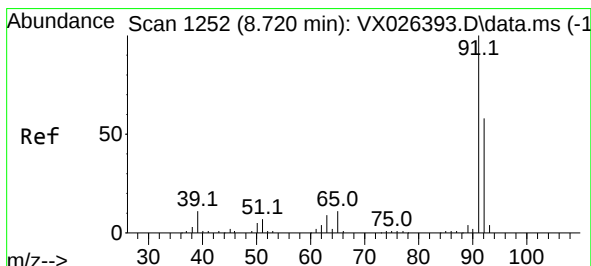
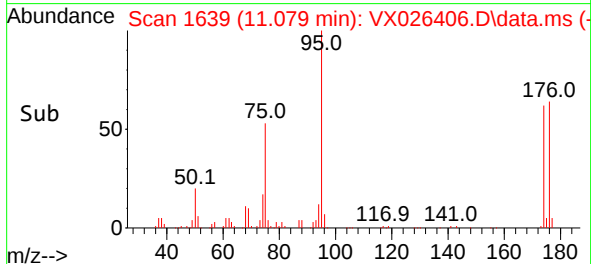
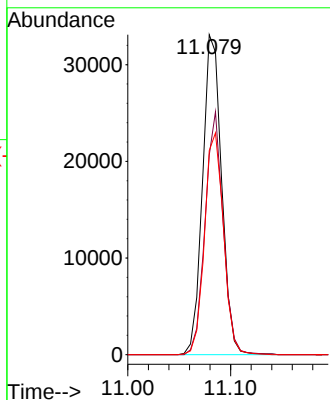
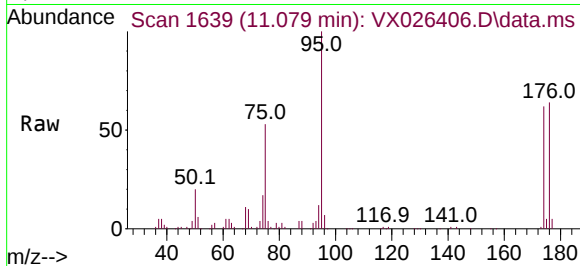




#60
4-Bromofluorobenzene
Concen: 28.777 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

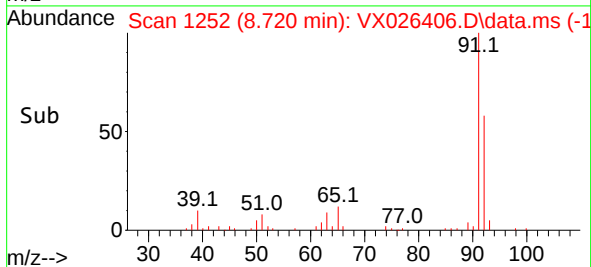
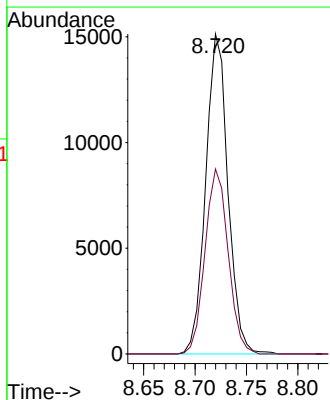
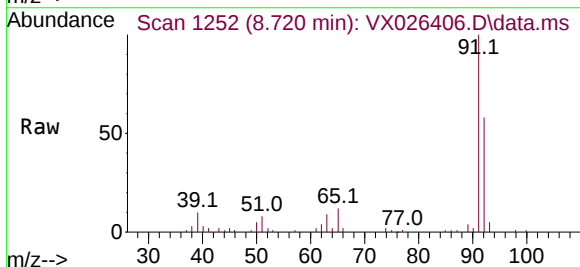
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)

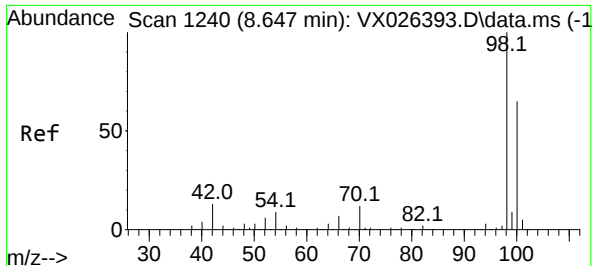
Tgt Ion: 95 Resp: 42679
Ion Ratio Lower Upper
95 100
174 71.9 58.0 87.0
176 69.3 56.5 84.7



#62
Toluene
Concen: 4.806 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

Tgt Ion: 91 Resp: 22803
Ion Ratio Lower Upper
91 100
92 60.2 47.2 70.8

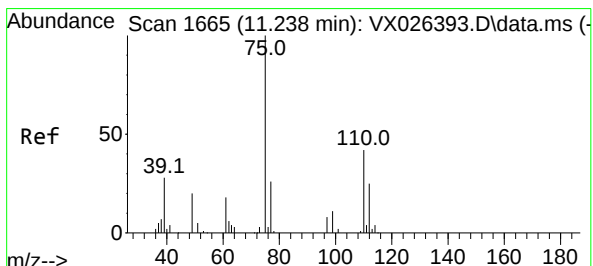
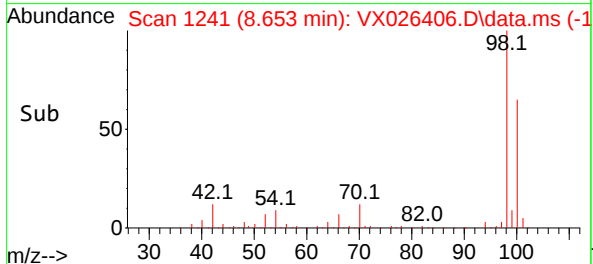
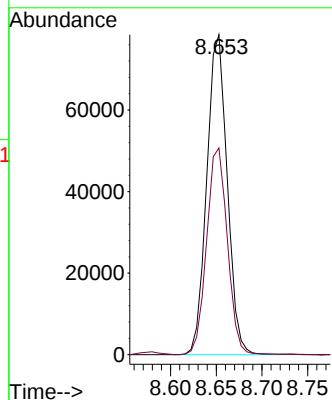
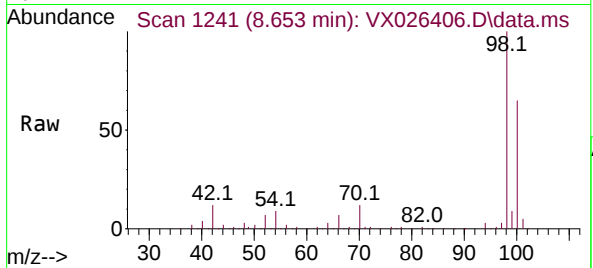




#63
Toluene-d8
Concen: 29.858 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

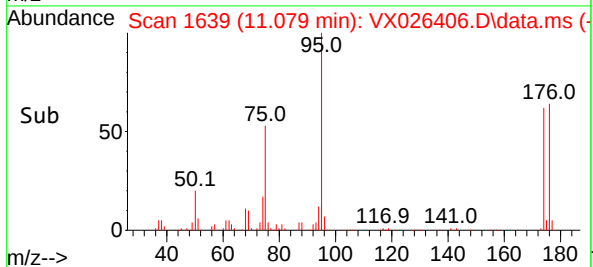
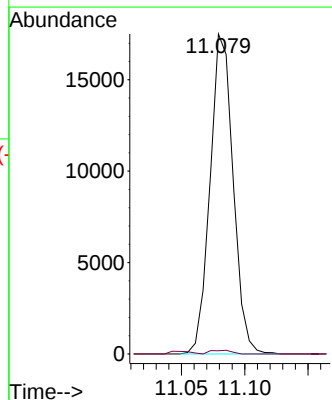
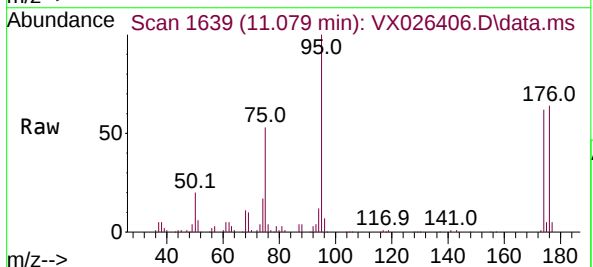
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(JAN)

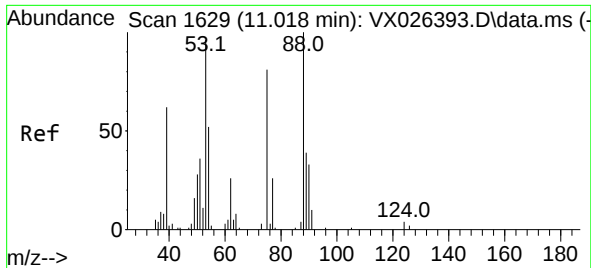
Tgt Ion: 98 Resp: 121894
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 15.651 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX026406.D
Acq: 10 Jan 2022 16:40

Tgt Ion: 75 Resp: 22199
Ion Ratio Lower Upper
75 100
77 1.1 0.0 76.2





#77

t-1,4-Dichloro-2-butene

Concen: 52.040 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX026406.D

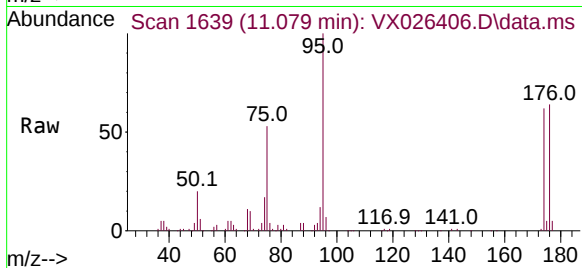
Acq: 10 Jan 2022 16:40

Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(JAN)



Tgt Ion: 75 Resp: 22199

Ion Ratio Lower Upper

75 100

53 0.0 59.0 176.8#

89 0.0 24.0 72.0#

