

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120820\
 Data File : VX019765.D
 Acq On : 08 Dec 2020 17:44
 Operator : JC/MD
 Sample : L4946-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Dec 09 06:21:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 06:09:21 2020
 Response via : Initial Calibration

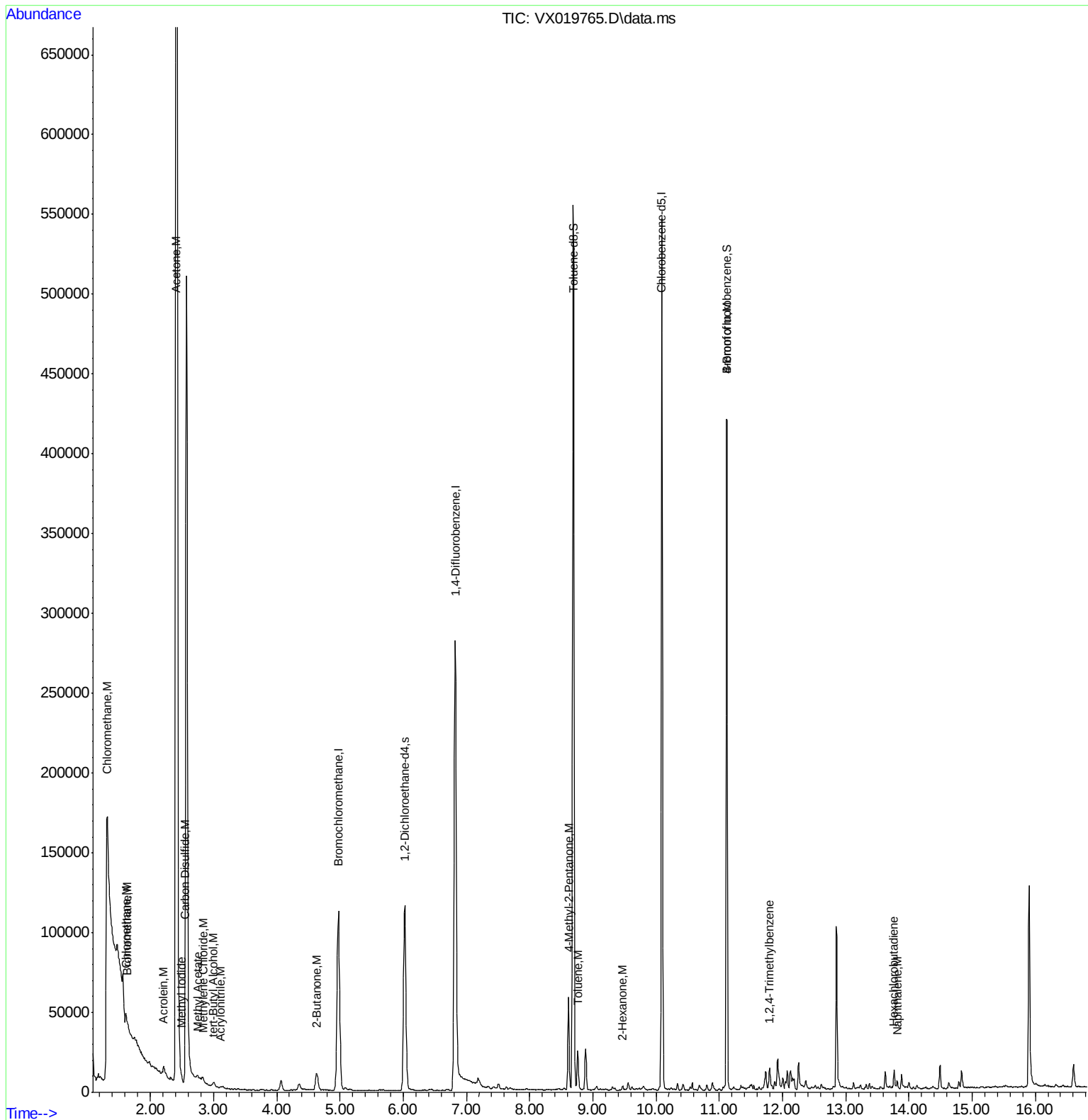
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

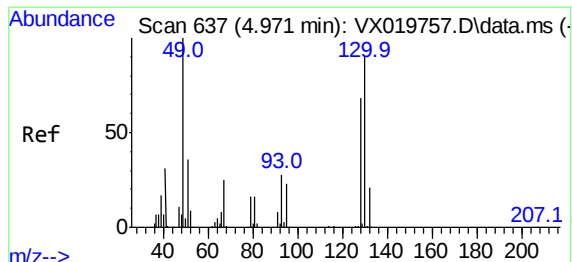
Internal Standards						
1) Bromochloromethane	4.971	128	51324	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	280562	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	251986	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	110569	31.08	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.60%
60) 4-Bromofluorobenzene	11.116	95	117286	27.72	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.40%
63) Toluene-d8	8.689	98	334999	30.35	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.17%
Target Compounds						Qvalue
3) Chloromethane	1.313	50	6161	2.12	ug/l #	46
5) Bromomethane	1.630	94	483	0.37	ug/l	88
6) Chloroethane	1.611	64	26384	12.42	ug/l #	46
11) Methyl Iodide	2.489	142	2886	0.80	ug/l	98
12) Methyl Acetate	2.745	43	2115	0.59	ug/l #	75
13) Acrolein	2.203	56	131	0.26	ug/l	98
14) Acrylonitrile	3.111	53	563	0.32	ug/l	92
15) Acetone	2.410	58	679240	1301.91	ug/l	98
16) Carbon Disulfide	2.550	76	9555	1.26	ug/l	97
18) Methylene Chloride	2.831	84	765	0.22	ug/l #	86
23) tert-Butyl Alcohol	3.001	59	2596	3.14	ug/l #	100
30) 2-Butanone	4.629	43	18886	8.19	ug/l #	98
56) Bromoform	11.116	173	769	0.29	ug/l #	1
58) 4-Methyl-2-Pentanone	8.616	43	31703	7.36	ug/l	100
59) 2-Hexanone	9.470	43	1260	0.37	ug/l	97
62) Toluene	8.763	91	15198	1.09	ug/l	99
80) 1,2,4-Trimethylbenzene	11.793	105	3018	0.23	ug/l	60
90) Hexachlorobutadiene	13.762	225	766	0.39	ug/l	94
91) Naphthalene	13.817	128	3419	0.23	ug/l #	95

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

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETTS-PT-BLVD(DEC)

Quant Time: Dec 09 06:21:22 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Dec 09 06:09:21 2020
Response via : Initial Calibration

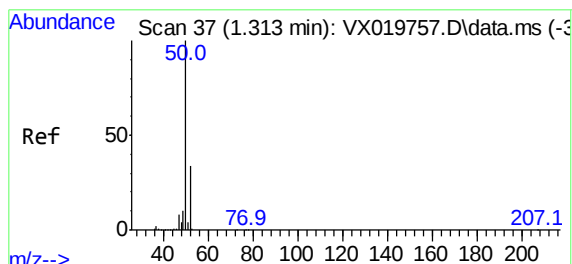
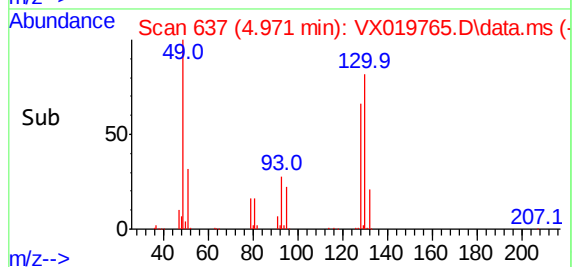
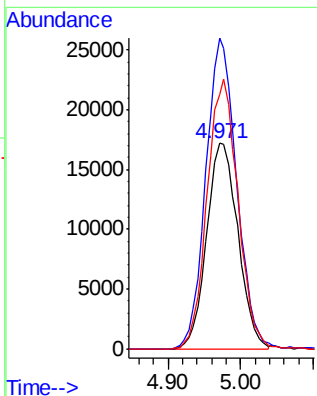
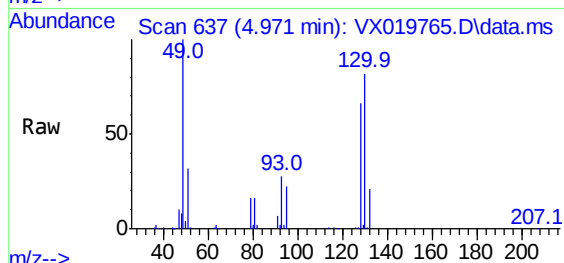




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.971 min Scan# 637
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

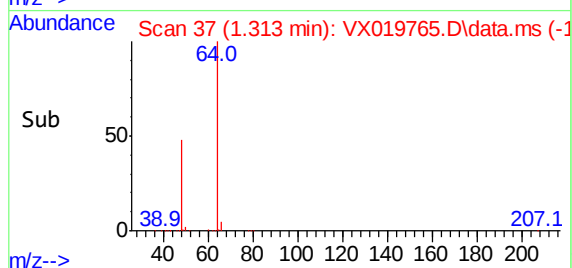
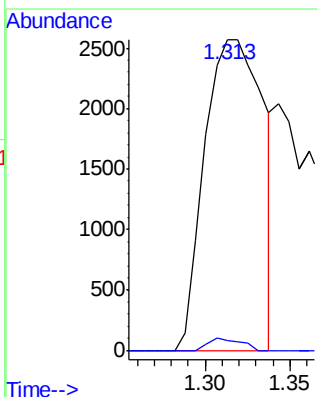
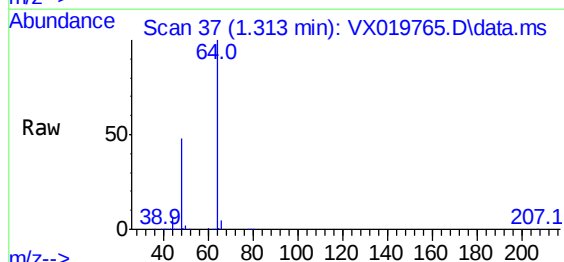
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

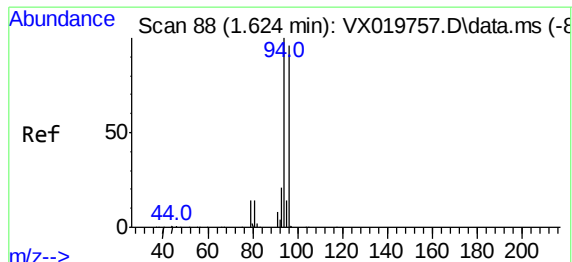
Tgt Ion:128 Resp: 51324
Ion Ratio Lower Upper
128 100
49 148.8 0.0 367.5
130 129.1 0.0 318.8



#3
Chloromethane
Concen: 2.12 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion: 50 Resp: 6161
Ion Ratio Lower Upper
50 100
52 3.1 26.9 40.3#

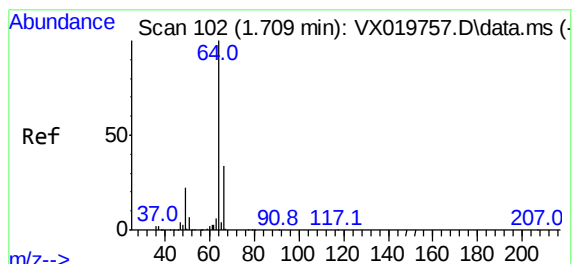
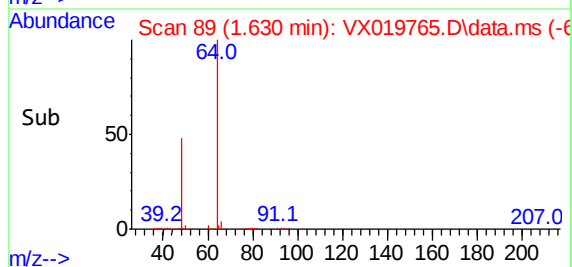
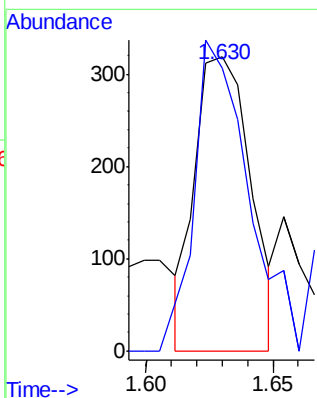
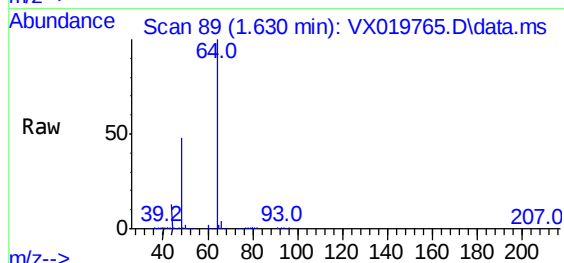




#5
Bromomethane
Concen: 0.37 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

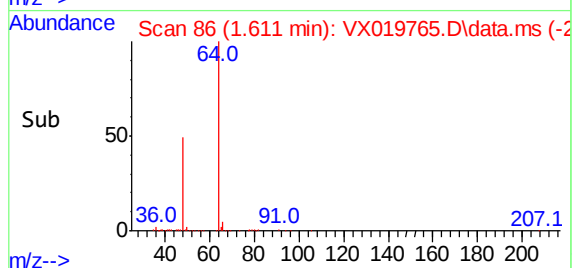
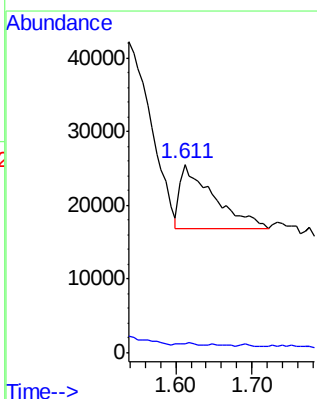
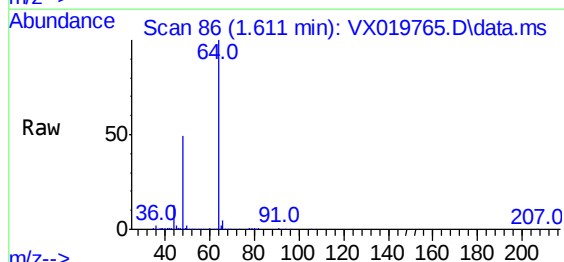
Instrument :
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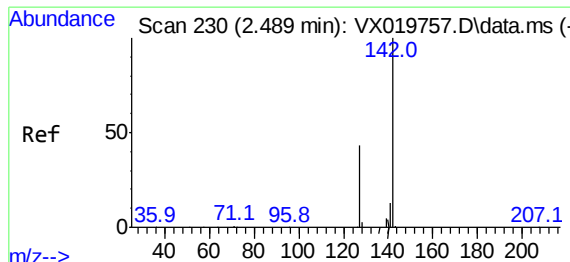
Tgt Ion: 94 Resp: 483
Ion Ratio Lower Upper
94 100
96 107.6 76.6 114.8



#6
Chloroethane
Concen: 12.42 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.098 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion: 64 Resp: 26384
Ion Ratio Lower Upper
64 100
66 3.4 27.4 41.2#

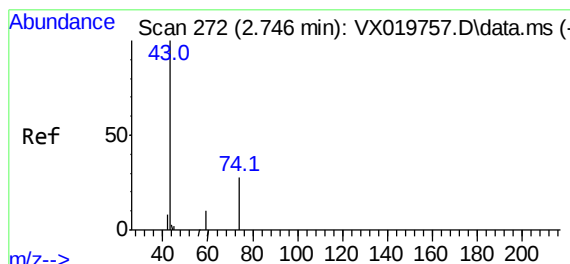
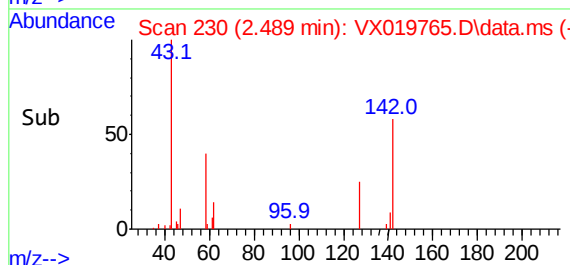
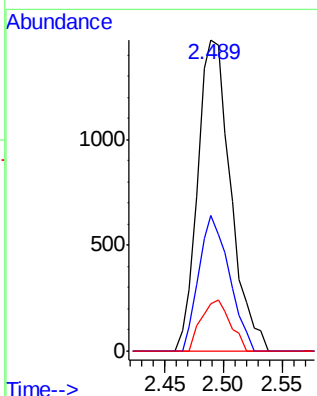
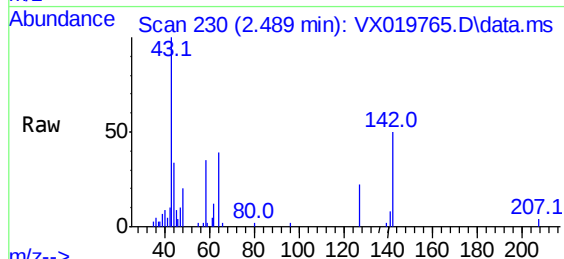




#11
Methyl Iodide
Concen: 0.80 ug/l
RT: 2.489 min Scan# 230
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

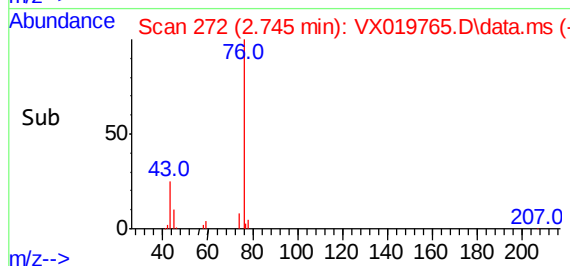
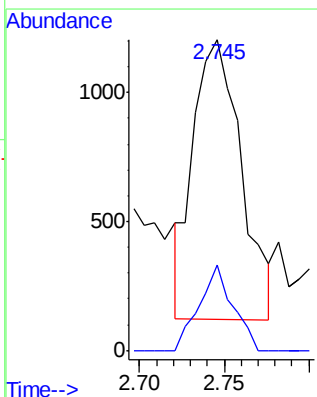
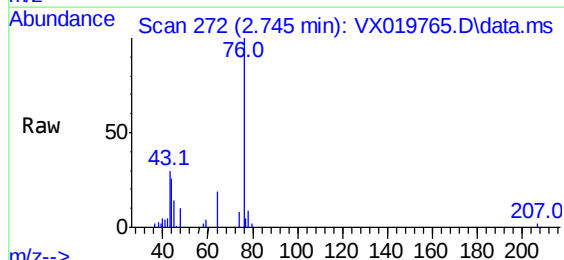
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

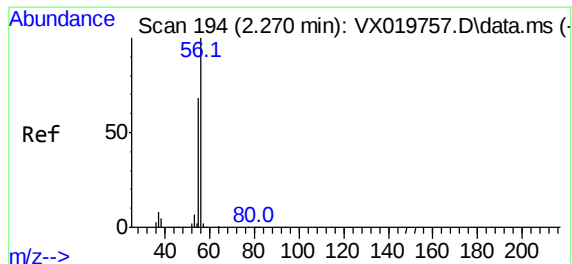
Tgt Ion:142 Resp: 2886
Ion Ratio Lower Upper
142 100
127 43.4 21.4 64.2
141 15.3 6.5 19.4



#12
Methyl Acetate
Concen: 0.59 ug/l
RT: 2.745 min Scan# 272
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion: 43 Resp: 2115
Ion Ratio Lower Upper
43 100
74 41.8 22.8 34.2#

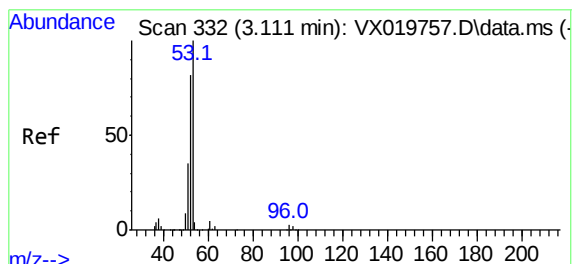
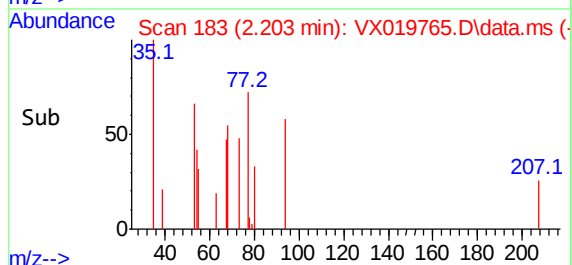
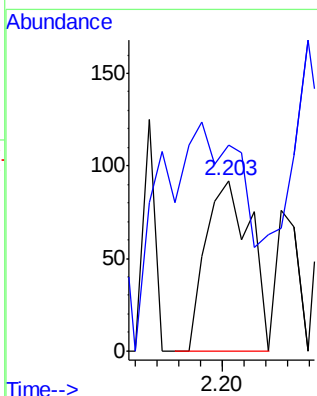
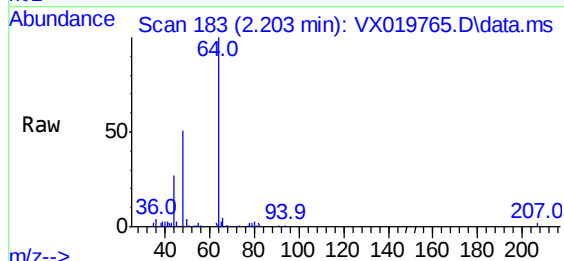




#13
Acrolein
Concen: 0.26 ug/l
RT: 2.203 min Scan# 183
Delta R.T. -0.067 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

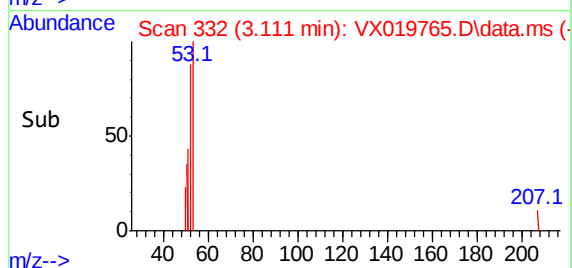
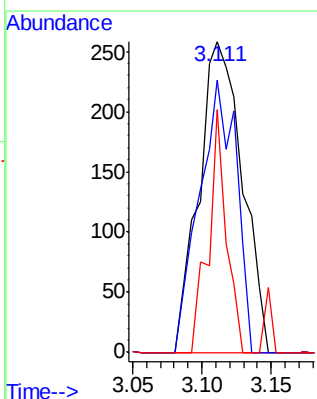
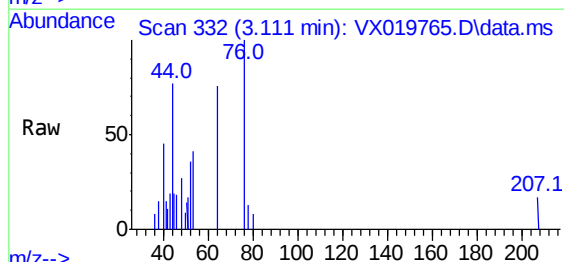
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

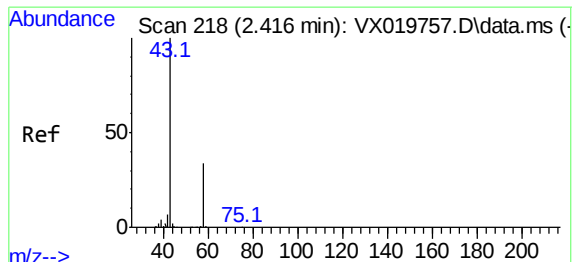
Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 71.8 56.3 84.5



#14
Acrylonitrile
Concen: 0.32 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion: 53 Resp: 563
Ion Ratio Lower Upper
53 100
52 74.4 41.1 123.3
51 32.1 17.6 52.9

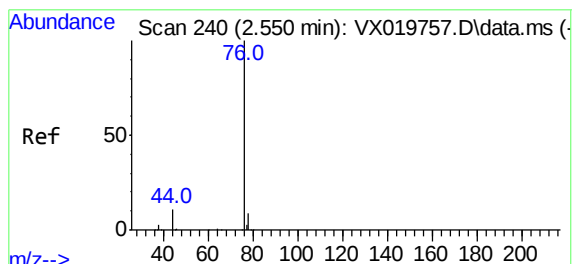
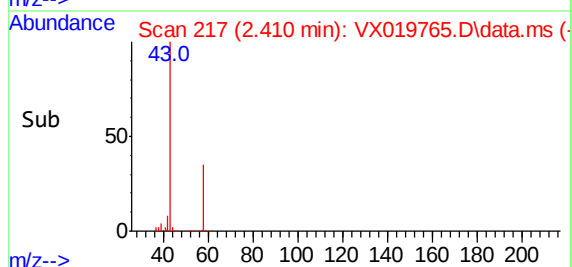
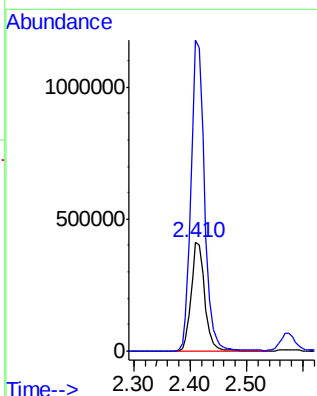
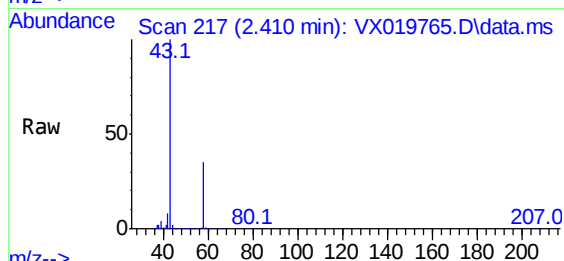




#15
Acetone
Concen: 1301.91 ug/l
RT: 2.410 min Scan# 217
Delta R.T. -0.006 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

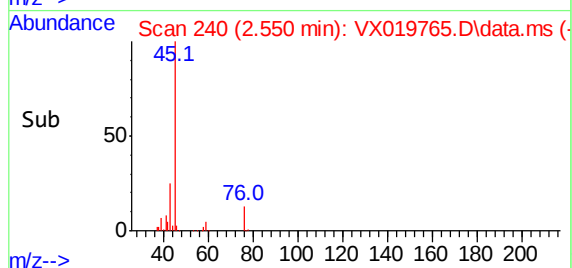
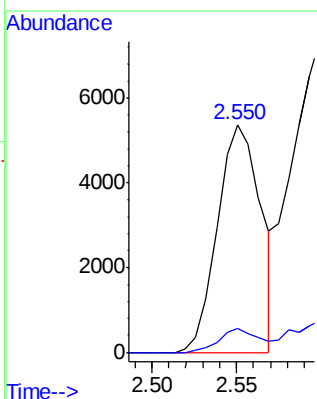
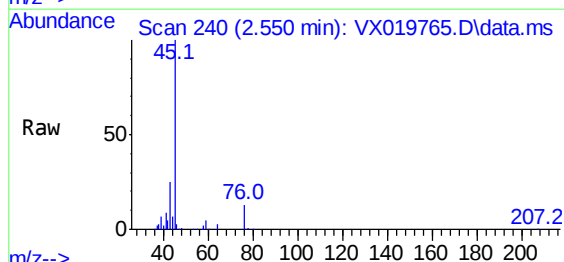
Instrument :
MSVOA_X
ClientSampleId :
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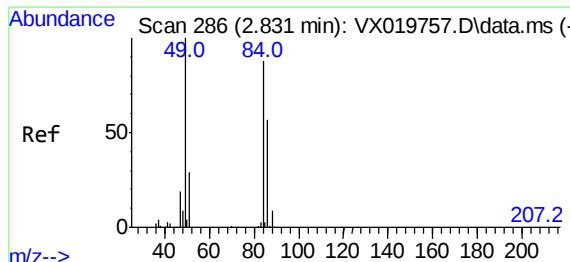
Tgt Ion: 58 Resp: 679240
Ion Ratio Lower Upper
58 100
43 287.6 232.6 348.8



#16
Carbon Disulfide
Concen: 1.26 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion: 76 Resp: 9555
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.0



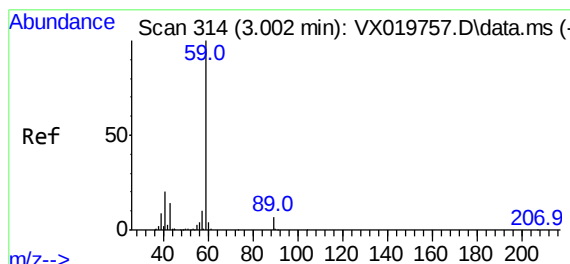
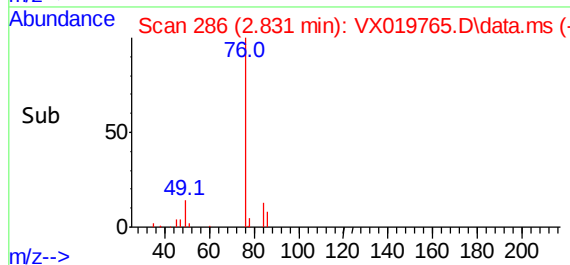
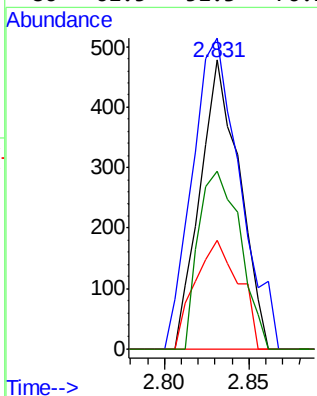
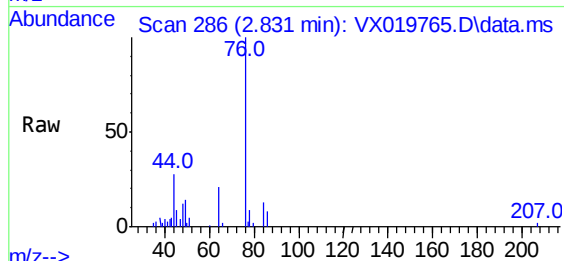


#18
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

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

Tgt Ion: 84 Resp: 765

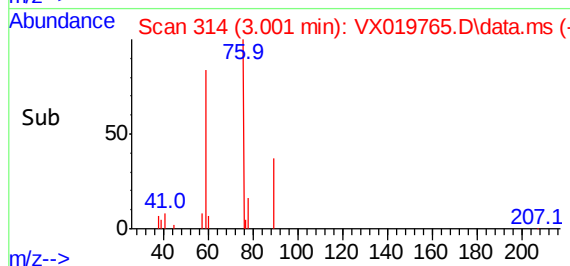
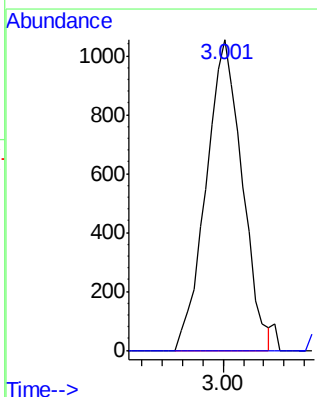
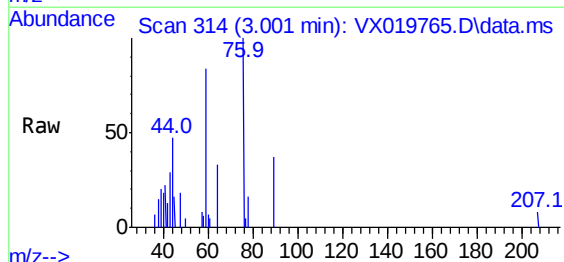
Ion	Ratio	Lower	Upper
84	100		
49	90.2	90.6	136.0#
51	37.7	26.3	39.5
86	61.5	51.3	76.9

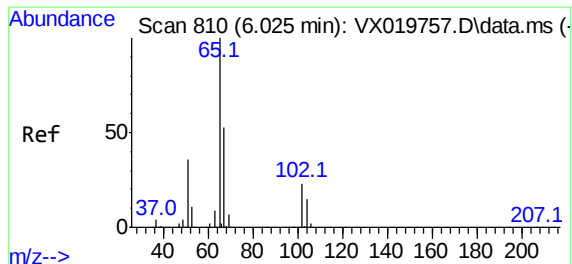


#23
tert-Butyl Alcohol
Concen: 3.14 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion: 59 Resp: 2596

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

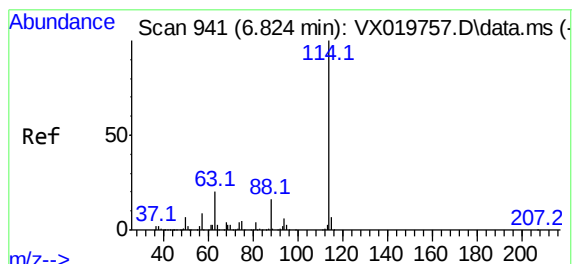
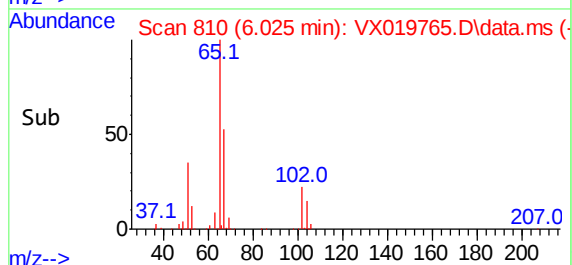
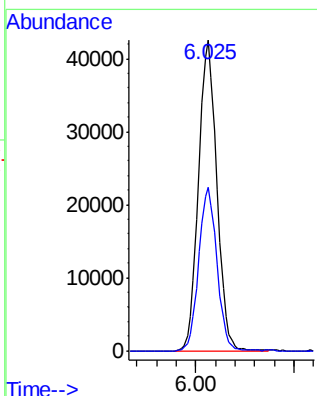
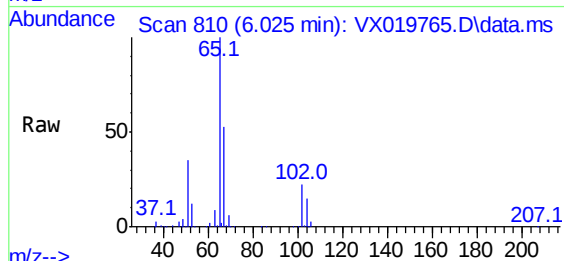




#27
1,2-Dichloroethane-d4
Concen: 31.08 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

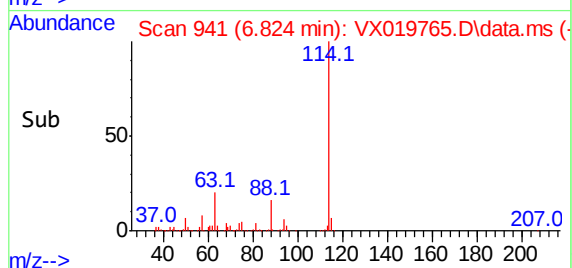
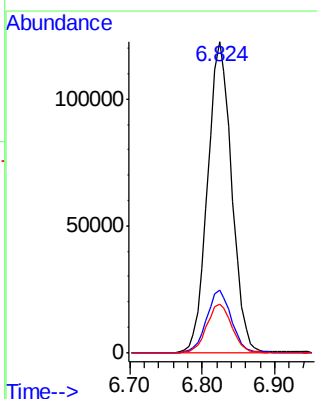
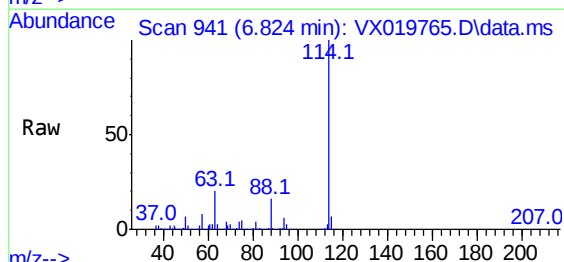
Instrument :
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001-WILLETS-PT-BLVD(DEC)

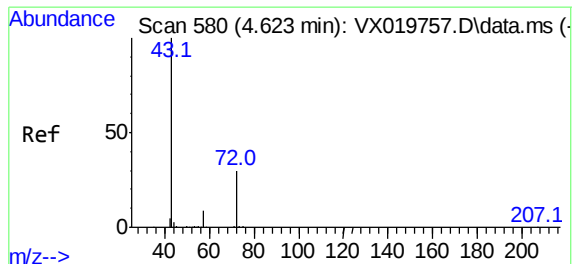
Tgt Ion: 65 Resp: 110569
Ion Ratio Lower Upper
65 100
67 52.1 41.9 62.9



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.824 min Scan# 941
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion:114 Resp: 280562
Ion Ratio Lower Upper
114 100
63 20.2 16.2 24.2
88 16.0 13.0 19.6

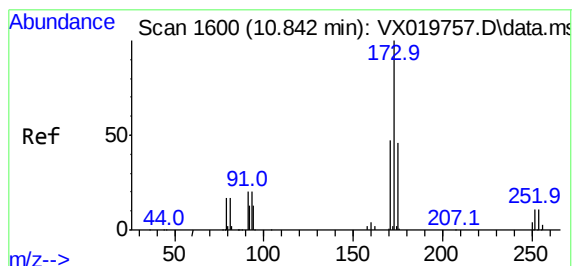
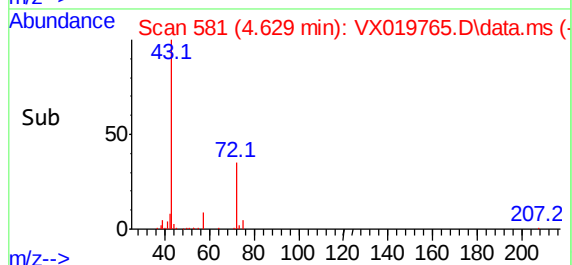
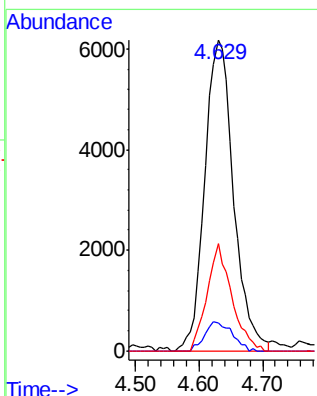
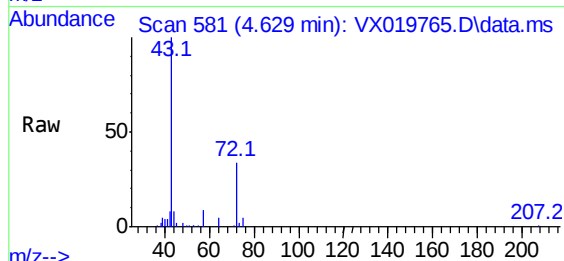




#30
2-Butanone
Concen: 8.19 ug/l
RT: 4.629 min Scan# 581
Delta R.T. 0.006 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

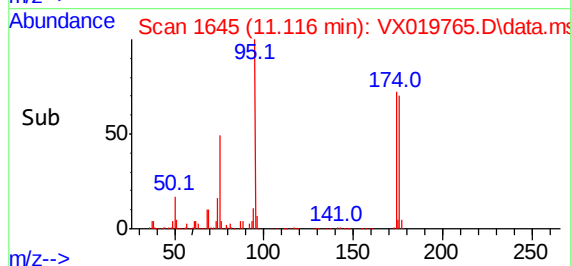
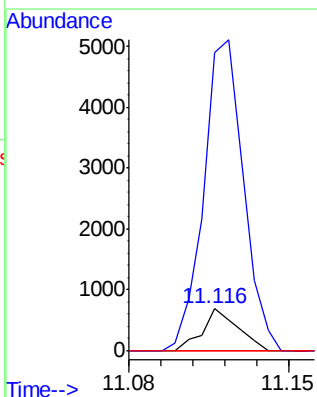
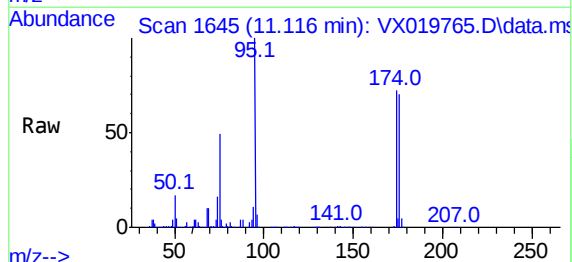
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

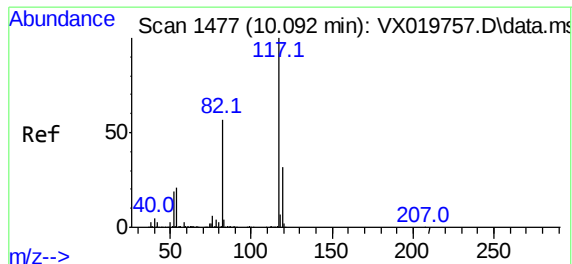
Tgt Ion: 43 Resp: 18886
Ion Ratio Lower Upper
43 100
57 6.5 7.2 10.8#
72 29.3 23.7 35.5



#56
Bromoform
Concen: 0.29 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.274 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion:173 Resp: 769
Ion Ratio Lower Upper
173 100
175 845.3 38.1 57.1#
254 0.0 8.2 12.4#

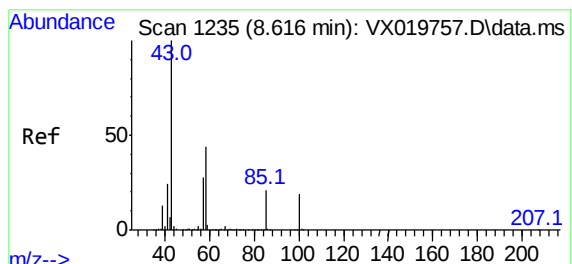
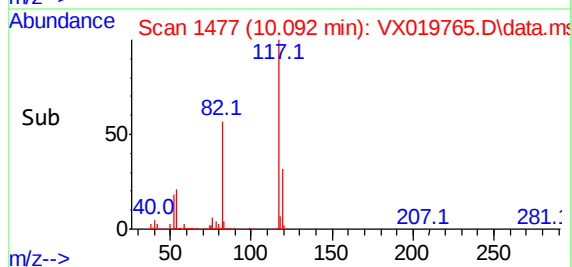
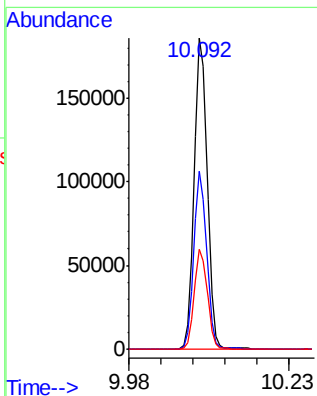
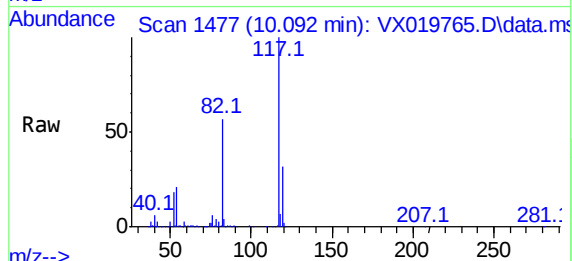




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

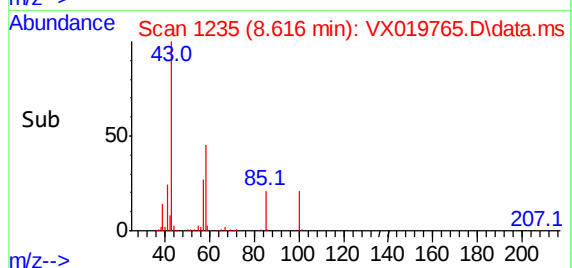
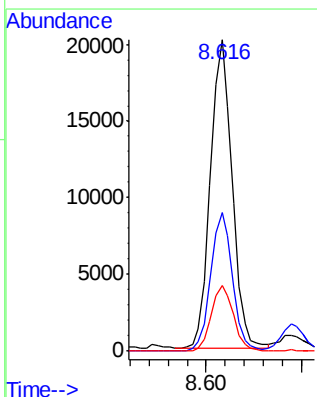
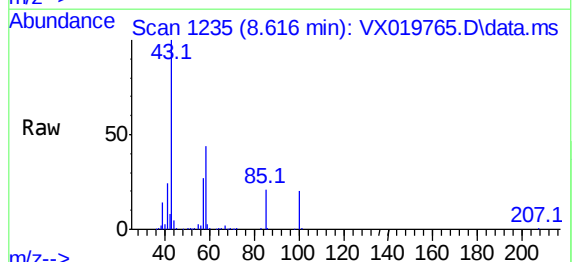
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

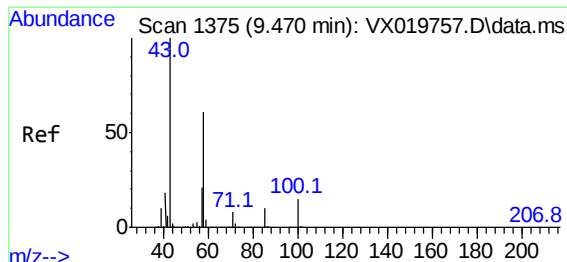
Tgt Ion:117 Resp: 251986
Ion Ratio Lower Upper
117 100
82 56.1 45.0 67.6
119 32.0 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 7.36 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion: 43 Resp: 31703
Ion Ratio Lower Upper
43 100
58 43.9 35.2 52.8
85 20.9 16.8 25.2



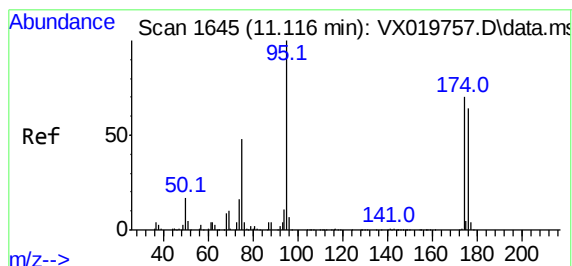
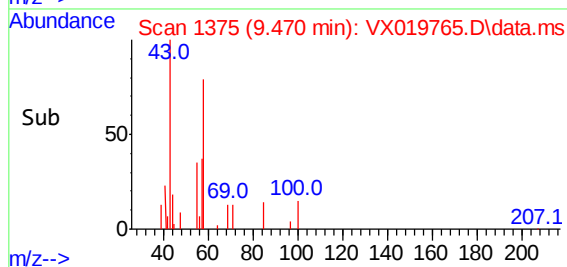
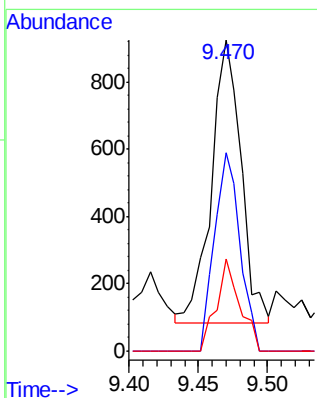
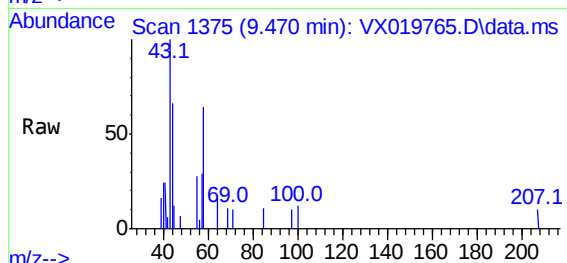


#59
2-Hexanone
Concen: 0.37 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

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

Tgt Ion: 43 Resp: 1260

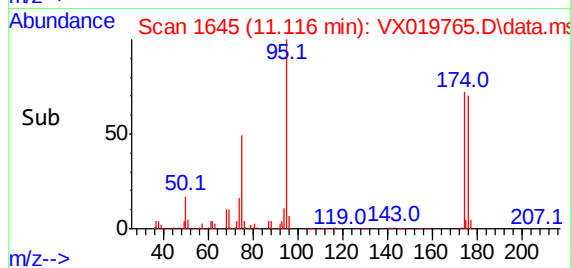
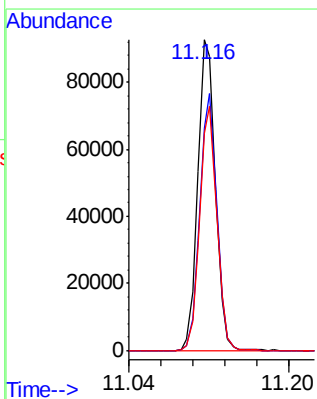
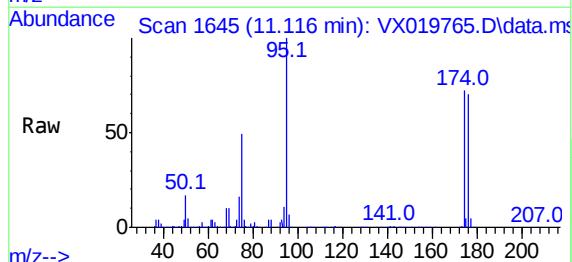
Ion	Ratio	Lower	Upper
43	100		
58	59.9	49.0	73.6
57	25.3	17.1	25.7

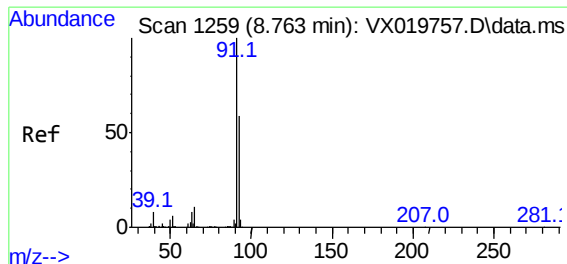


#60
4-Bromofluorobenzene
Concen: 27.72 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion: 95 Resp: 117286

Ion	Ratio	Lower	Upper
95	100		
174	80.1	63.0	94.4
176	76.6	59.9	89.9

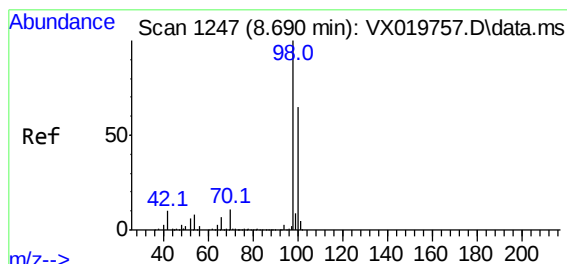
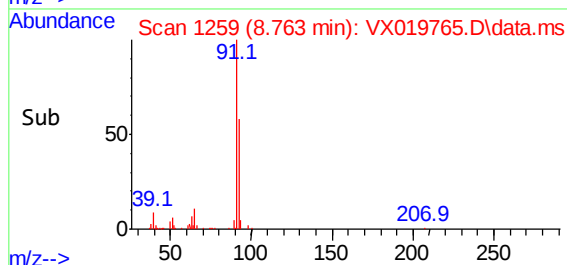
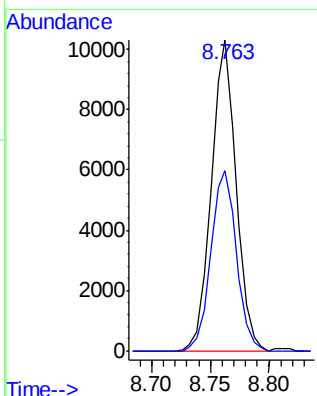
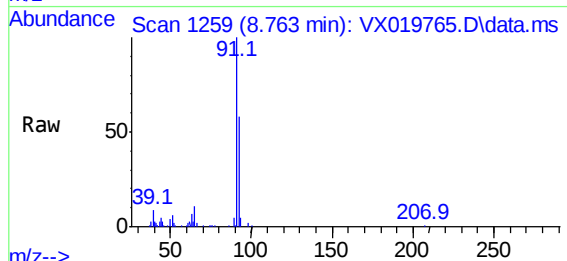




#62
Toluene
Concen: 1.09 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

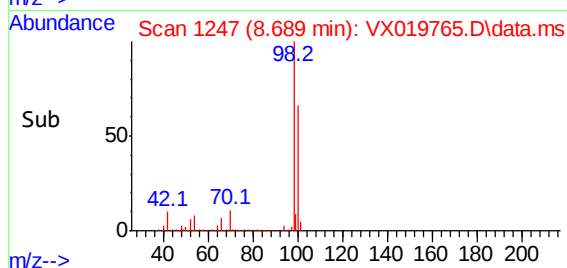
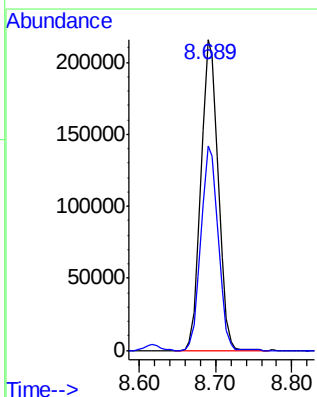
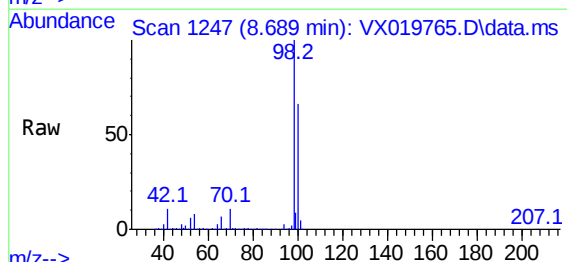
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

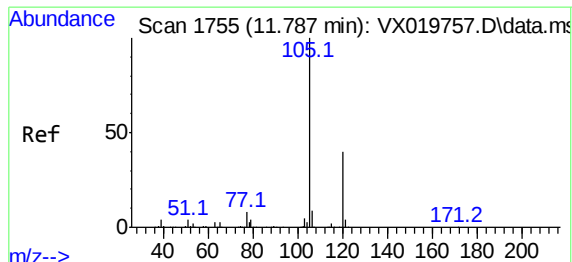
Tgt Ion: 91 Resp: 15198
Ion Ratio Lower Upper
91 100
92 59.7 47.2 70.8



#63
Toluene-d8
Concen: 30.35 ug/l
RT: 8.689 min Scan# 1247
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

Tgt Ion: 98 Resp: 334999
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

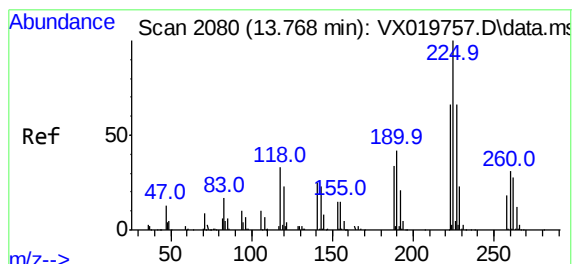
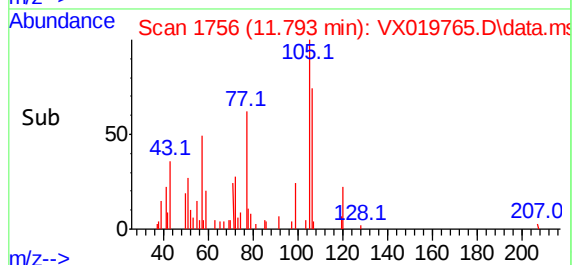
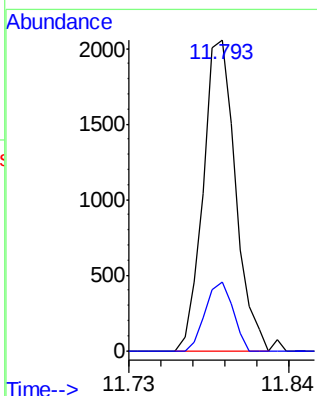
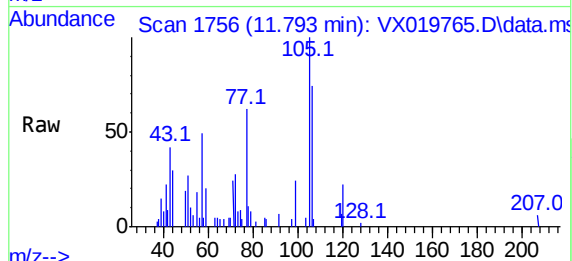




#80
1,2,4-Trimethylbenzene
Concen: 0.23 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. 0.006 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

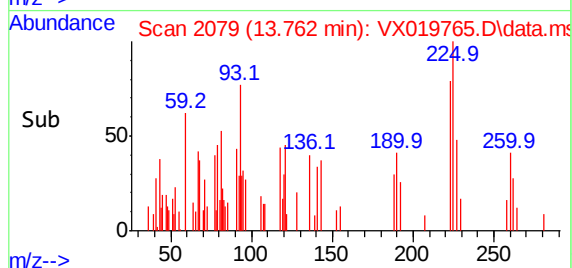
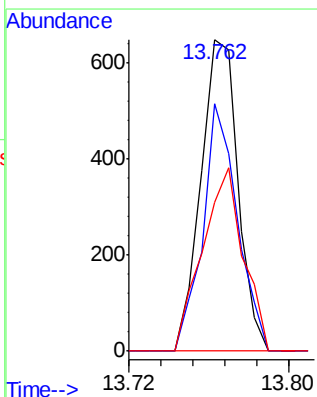
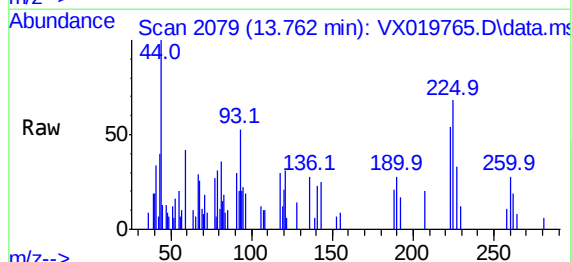
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

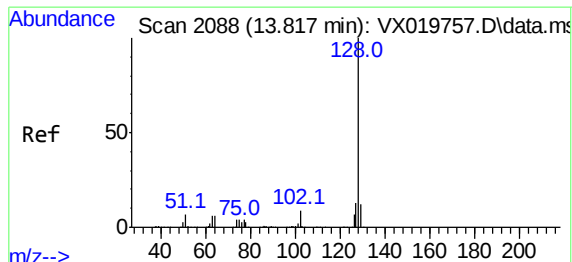
Tgt Ion:105 Resp: 3018
Ion Ratio Lower Upper
105 100
120 18.9 0.0 89.8



#90
Hexachlorobutadiene
Concen: 0.39 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.006 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

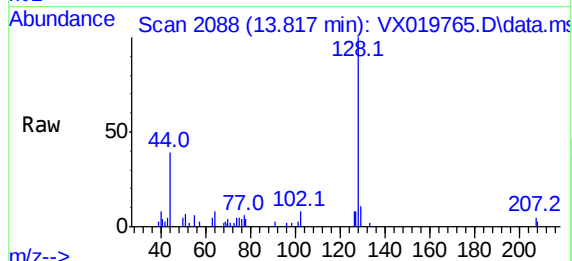
Tgt Ion:225 Resp: 766
Ion Ratio Lower Upper
225 100
223 73.9 0.0 129.4
227 64.8 0.0 130.4





#91
Naphthalene
Concen: 0.23 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX019765.D
Acq: 08 Dec 2020 17:44

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



Tgt Ion:128 Resp: 3419

Ion	Ratio	Lower	Upper
128	100		
127	10.0	10.2	15.4#
129	9.8	8.8	13.2

