

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042420\
 Data File : VX015958.D
 Acq On : 25 Apr 2020 01:46
 Operator : JC/SP
 Sample : L2401-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRAINAGE-SEWALE

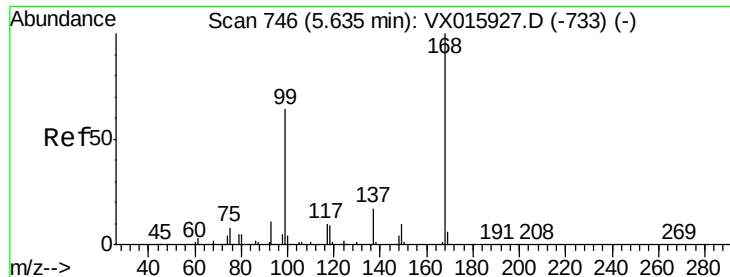
Quant Time: Apr 25 06:57:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 24 13:17:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	131968	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	251014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	247848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	122878	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	94764	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	5.47	113	73286	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
50) Toluene-d8	8.70	98	319803	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
62) 4-Bromofluorobenzene	11.12	95	133369	56.73	ug/l	0.00
Spiked Amount			Recovery	=	113.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	22	4.825	ug/l #	41
11) Tert butyl alcohol	3.02	59	206	0.515	ug/l #	72
13) Acrolein	2.26	56	86	0.346	ug/l #	15
14) Allyl chloride	2.70	41	637	0.241	ug/l #	47
16) Acetone	2.42	43	9448	13.517	ug/l	98
17) Carbon Disulfide	2.55	76	2563	0.324	ug/l #	88
18) Methyl Acetate	2.75	43	1821	0.861	ug/l	96
20) Methylene Chloride	2.84	84	2108	1.219	ug/l	90
25) 2-Butanone	4.65	43	2042	1.794	ug/l	96
29) Tetrahydrofuran	5.10	42	243	0.324	ug/l #	51
31) Cyclohexane	5.64	56	2879	1.030	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	11736	4.899	ug/l #	49
38) Carbon Tetrachloride	5.63	117	14376	6.567	ug/l #	16
43) Isopropyl Acetate	6.42	43	38387	9.723	ug/l	99
48) Methyl methacrylate	7.65	41	2429	1.251	ug/l #	12
49) 1,4-Dioxane	7.85	88	21	0.486	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	40362	17.439	ug/l #	43
54) cis-1,3-Dichloropropene	8.60	75	19319	6.282	ug/l #	57
57) 1,3-Dichloropropane	9.52	76	3007	0.989	ug/l #	43
59) 2-Hexanone	9.52	43	37187	21.160	ug/l #	48
74) N-amyl acetate	10.80	43	2176	0.549	ug/l #	44
76) 1,2,3-Trichloropropane	11.12	75	65190	24.732	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	65190	55.712	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX015958.D

Acq: 25 Apr 2020 01:46

Instrument :

MSVOA_X

ClientSampleId :

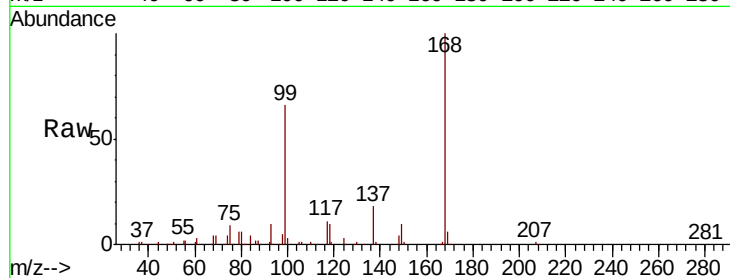
DRAINAGE-SEWALE

Tot Ion:168 Resp: 131968

Ion Ratio Lower Upper

168 100

99 65.5 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

50000

40000

30000

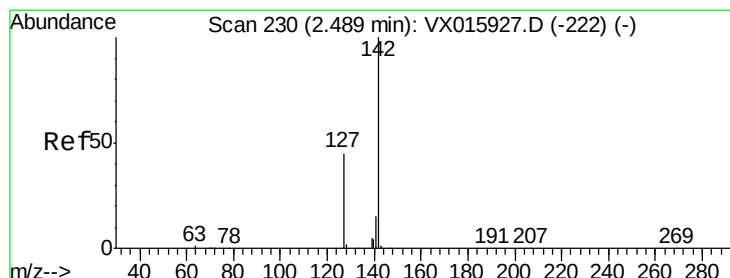
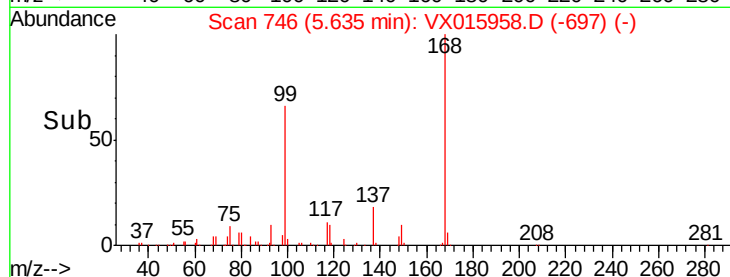
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.825 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX015958.D

Acq: 25 Apr 2020 01:46

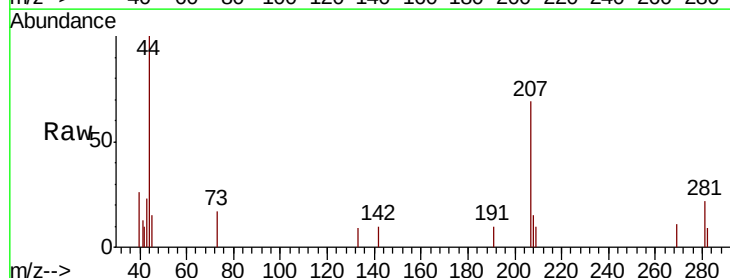
Tgt Ion:142 Resp: 22

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

80

60

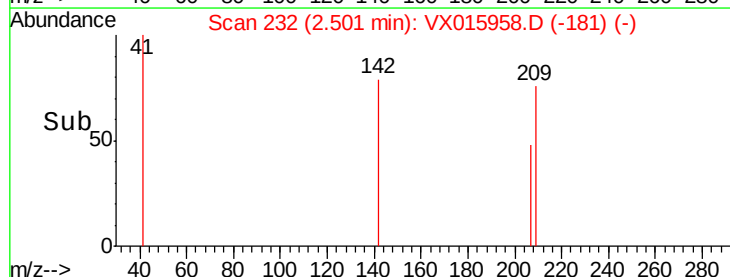
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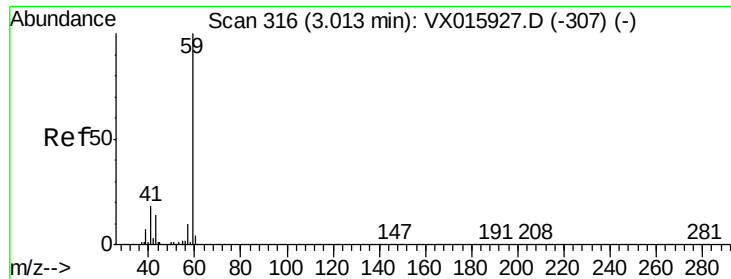
20

0

Time-->

2.48 2.49 2.50 2.51 2.52

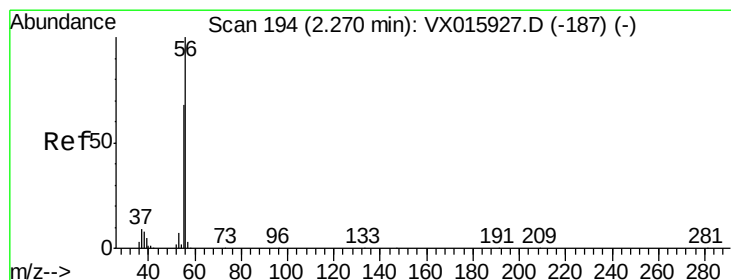
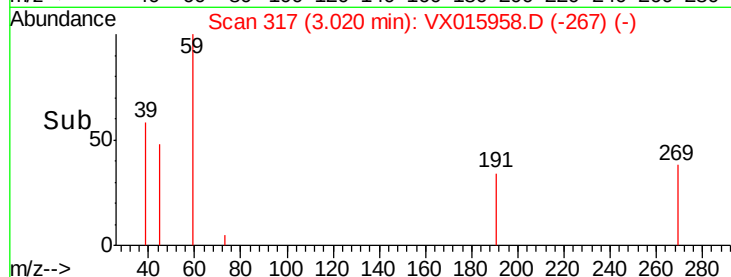
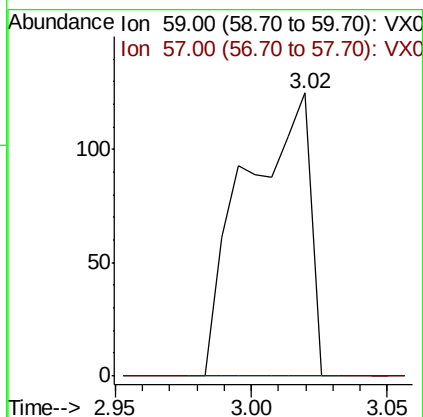
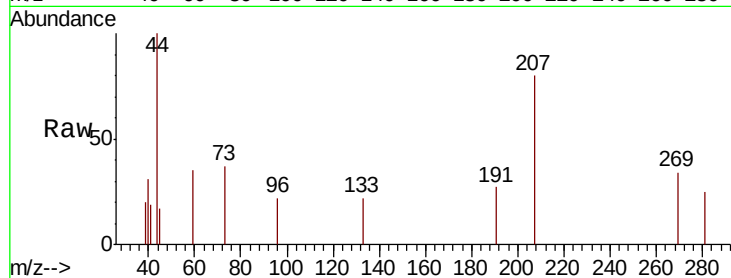




#11
Tert butyl alcohol
Concen: 0.515 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

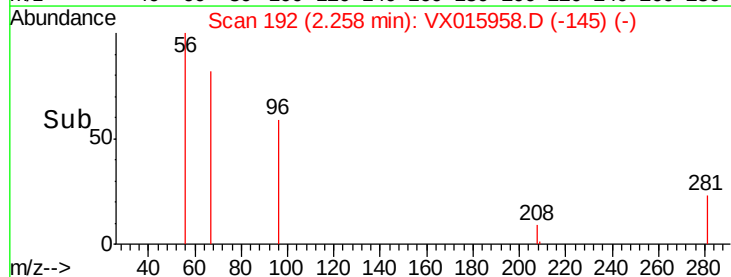
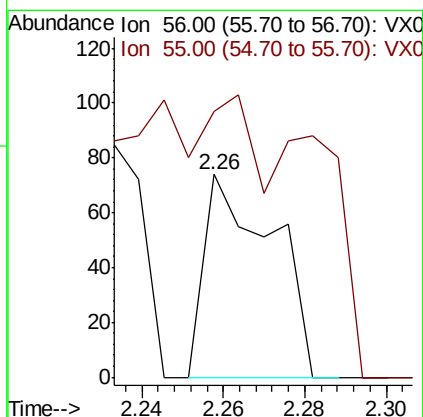
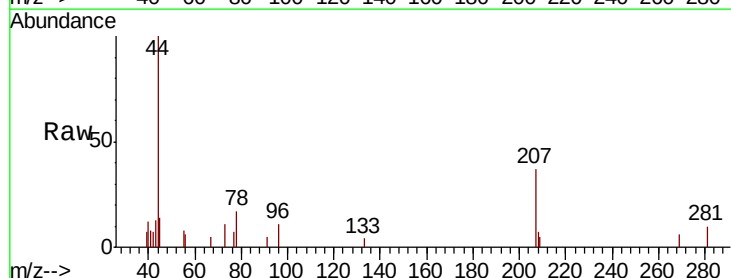
Instrument :
MSVOA_X
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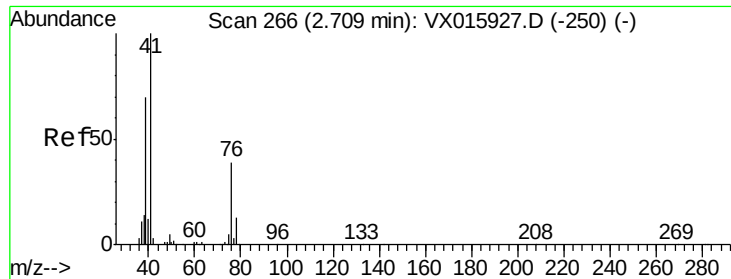
Tot Ion: 59 Resp: 206
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 0.346 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.01 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

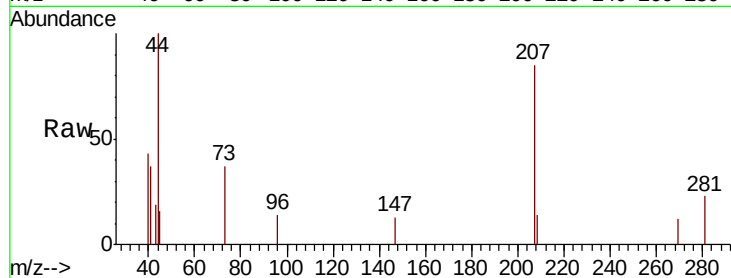




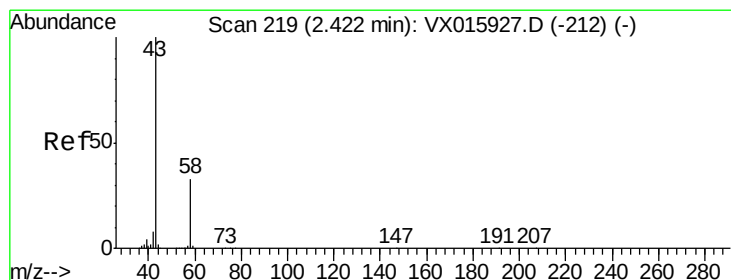
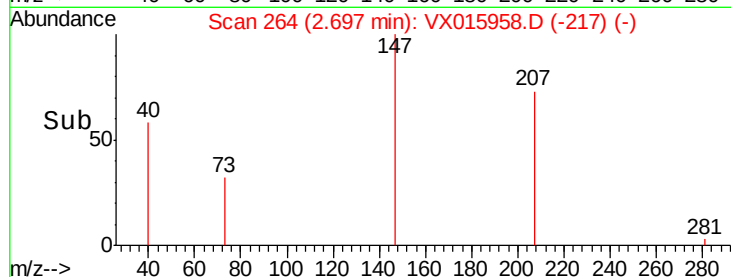
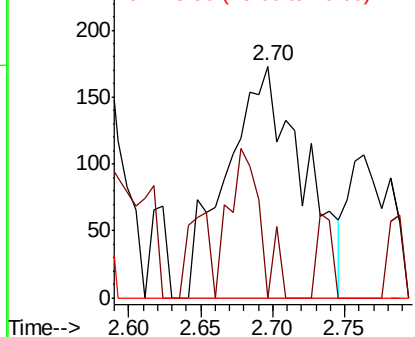
#14
Allvl chloride
Concen: 0.241 ug/l
RT: 2.70 min Scan# 264
Delta R.T. -0.01 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Instrument :
MSVOA_X
ClientSampleId :
DRAINAGE-SEWALE

Tot Ion: 41 Resp: 637
Ion Ratio Lower Upper
41 100
39 27.0 51.6 77.4#
76 0.0 29.3 43.9#

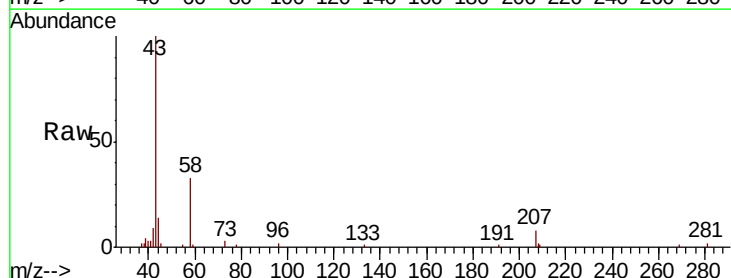


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 75.90 (75.60 to 76.60): VX0

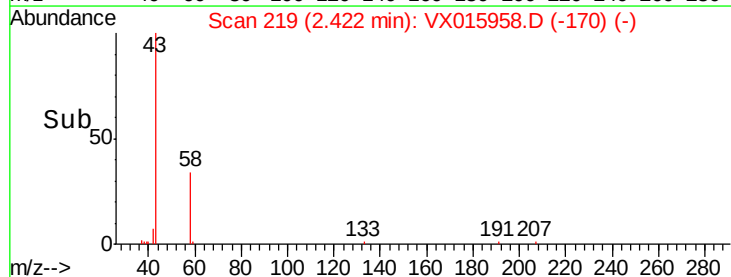
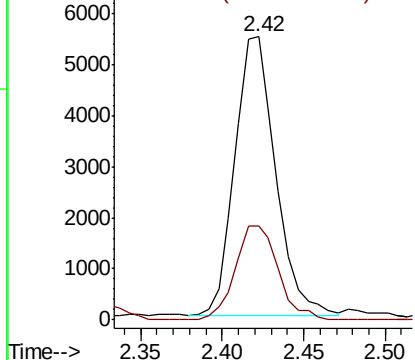


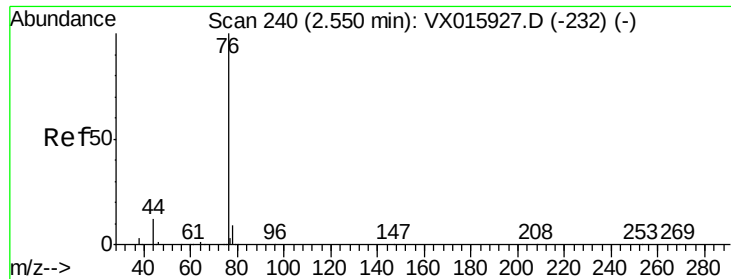
#16
Acetone
Concen: 13.517 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Tgt Ion: 43 Resp: 9448
Ion Ratio Lower Upper
43 100
58 33.9 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.324 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX015958.D

Acq: 25 Apr 2020 01:46

Instrument :

MSVOA_X

ClientSampleId :

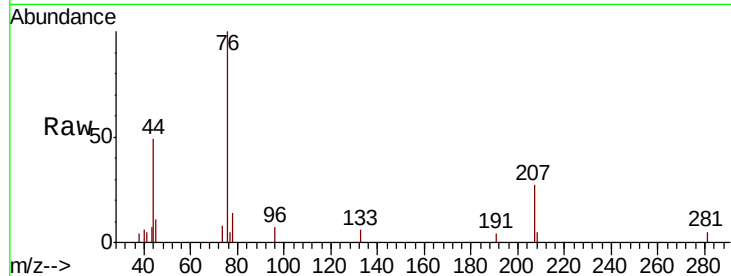
DRAINAGE-SEWALE

Tot Ion: 76 Resp: 2563

Ion Ratio Lower Upper

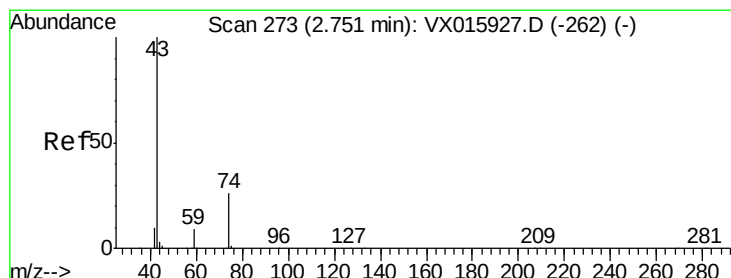
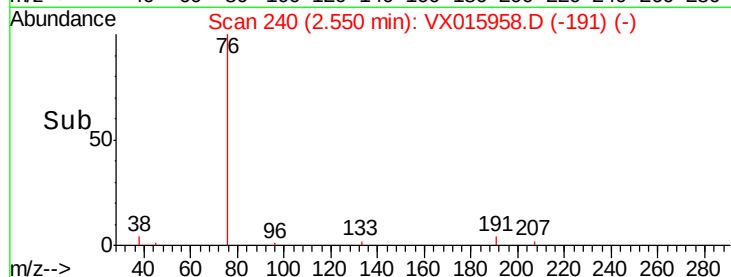
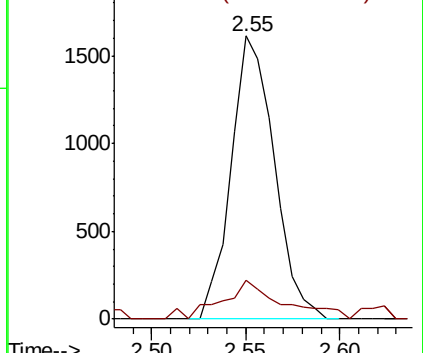
76 100

78 13.8 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.861 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX015958.D

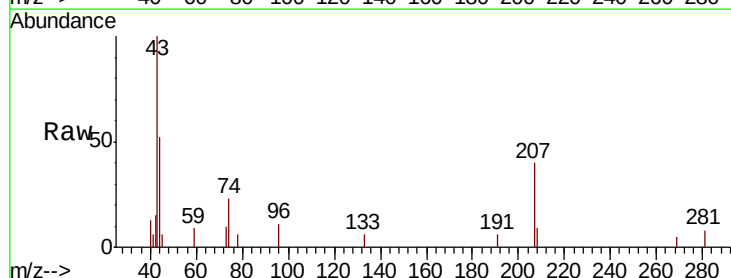
Acq: 25 Apr 2020 01:46

Tgt Ion: 43 Resp: 1821

Ion Ratio Lower Upper

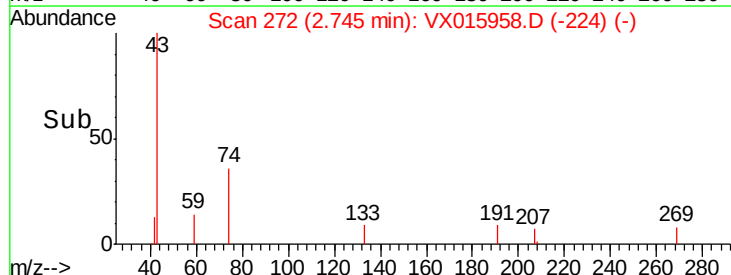
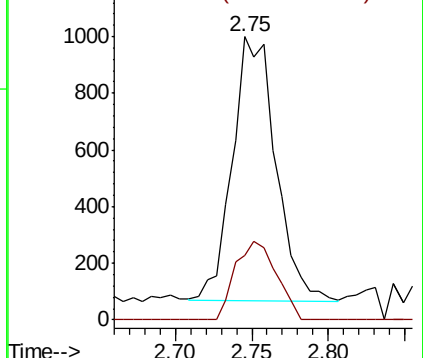
43 100

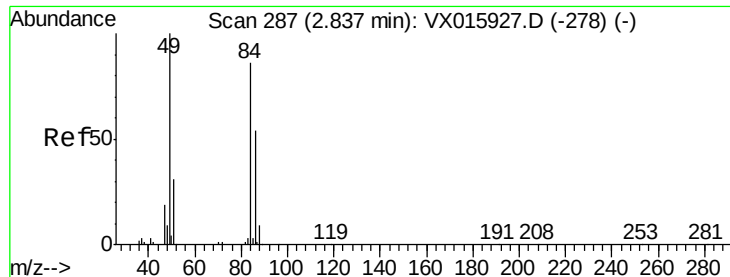
74 28.4 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

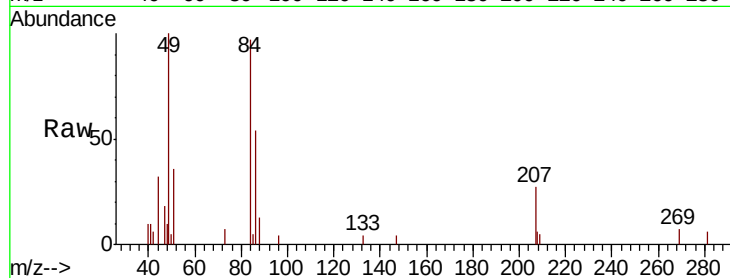




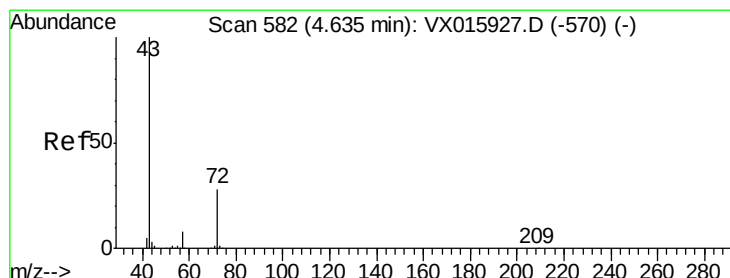
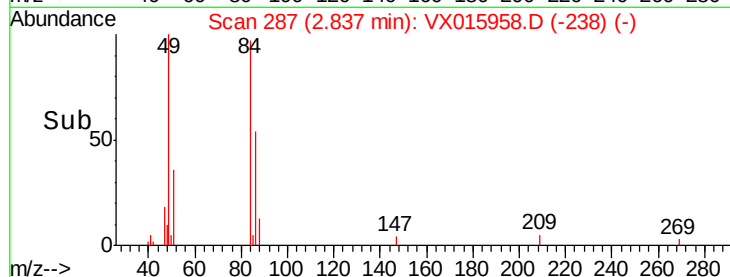
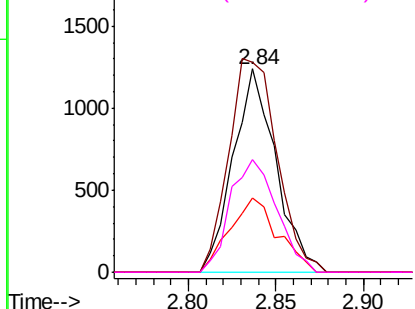
#20
Methylene Chloride
Concen: 1.219 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Instrument :
MSVOA_X
ClientSampleId :
DRAINAGE-SEWALE

Tot Ion:	84	Resp:	2108
Ion	Ratio	Lower	Upper
84	100		
49	103.1	93.0	139.6
51	36.7	28.6	43.0
86	55.7	50.4	75.6

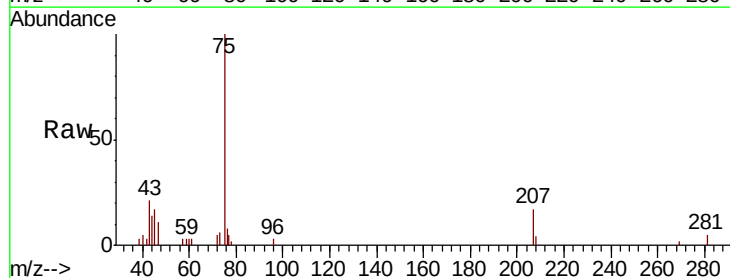


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

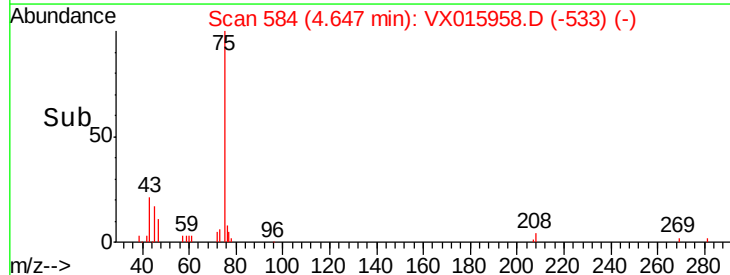
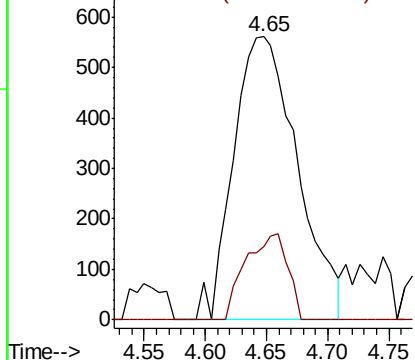


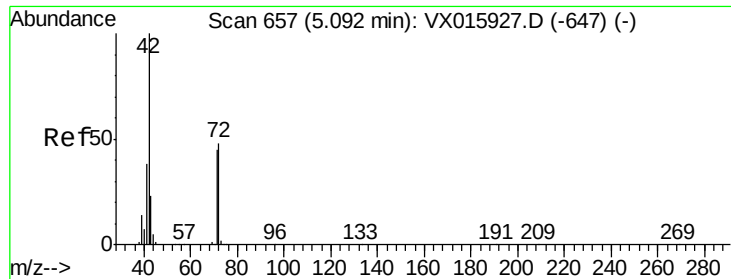
#25
2-Butanone
Concen: 1.794 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Tgt Ion:	43	Resp:	2042
Ion	Ratio	Lower	Upper
43	100		
72	25.8	22.4	33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0

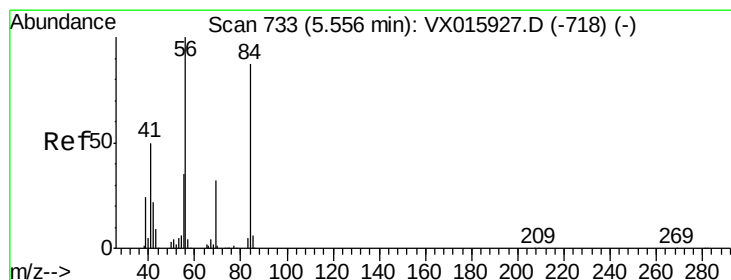
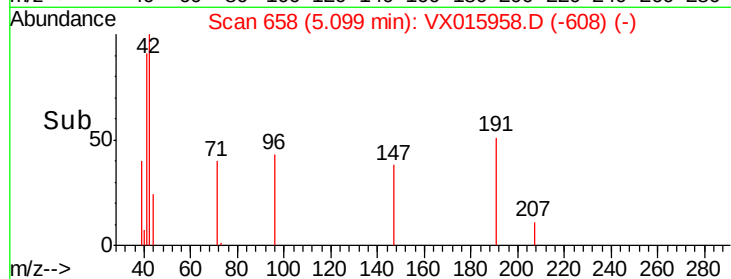
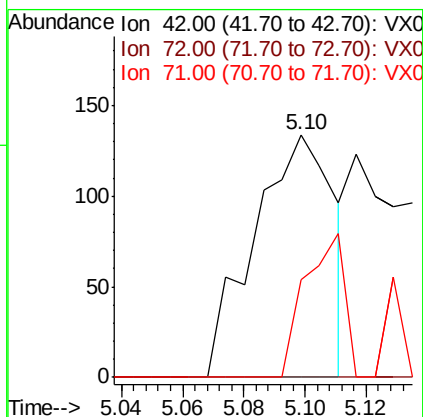
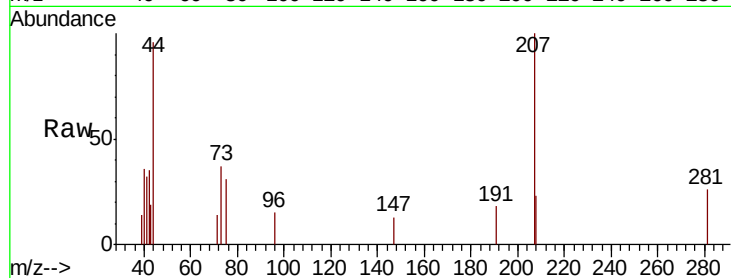




#29
Tetrahydrofuran
Concen: 0.324 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

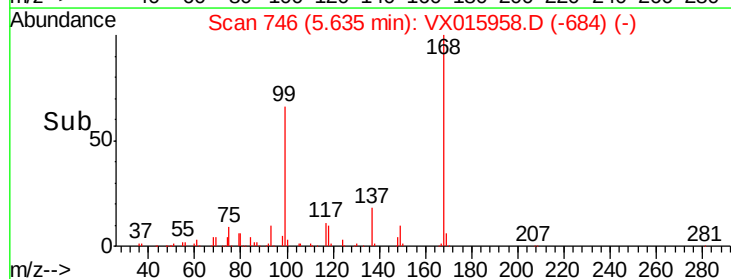
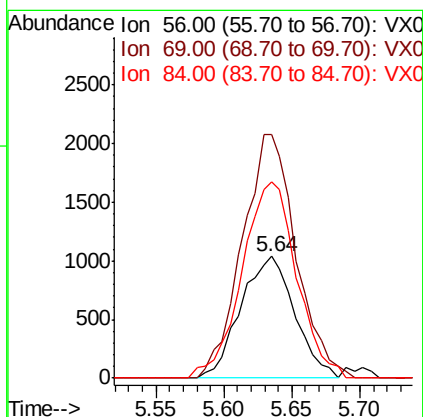
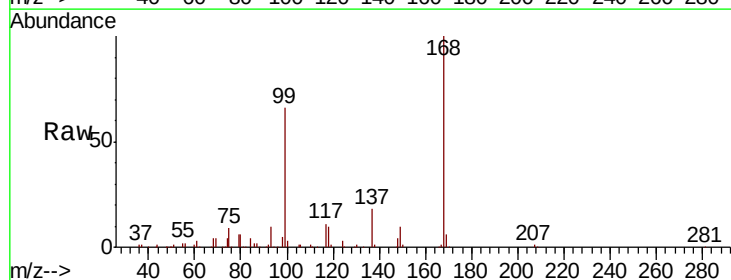
Instrument :
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DRAINAGE-SEWALE

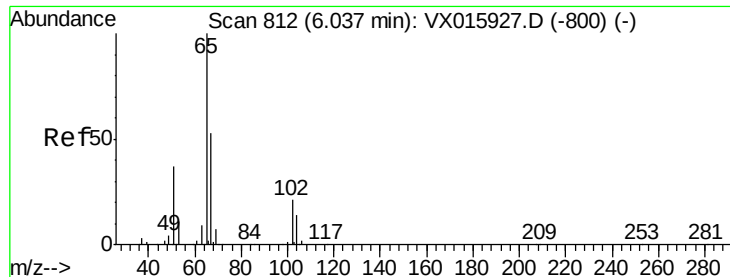
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.5	59.3#
71	29.2	36.4	54.6#



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.08 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Tgt Ion	Ratio	Lower	Upper
56	100		
69	199.8	25.4	38.0#
84	161.2	69.5	104.3#

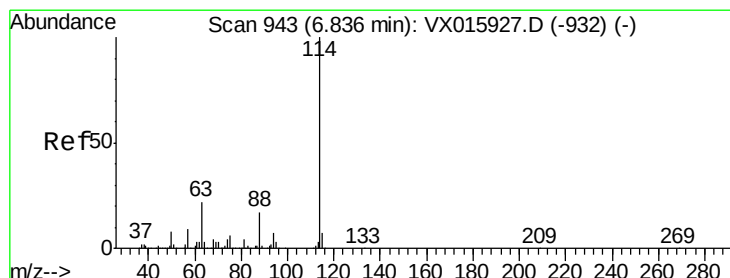
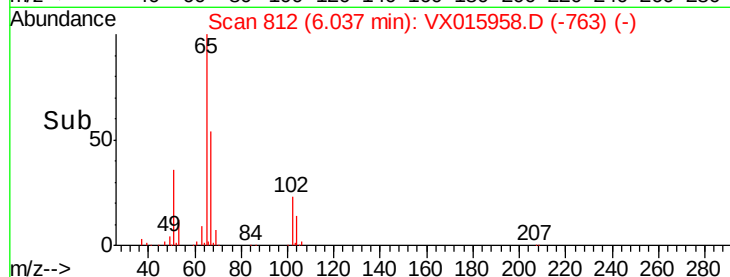
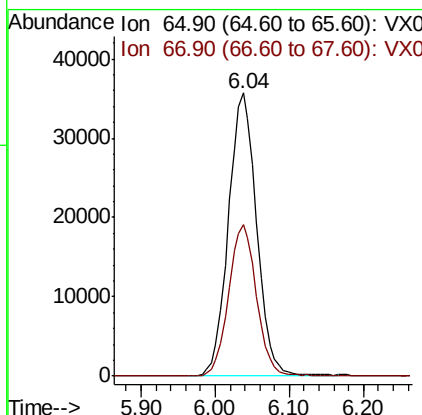
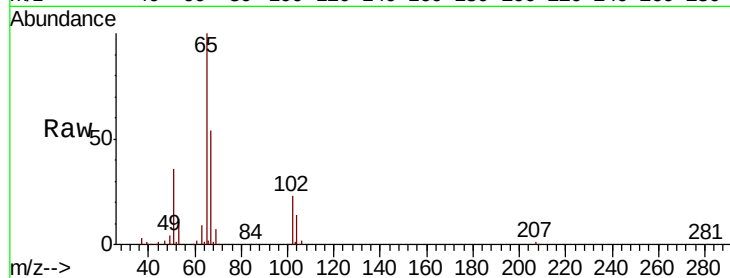




#33
 1,2-Dichloroethane-d4
 Concen: 50.855 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VX015958.D
 Acq: 25 Apr 2020 01:46

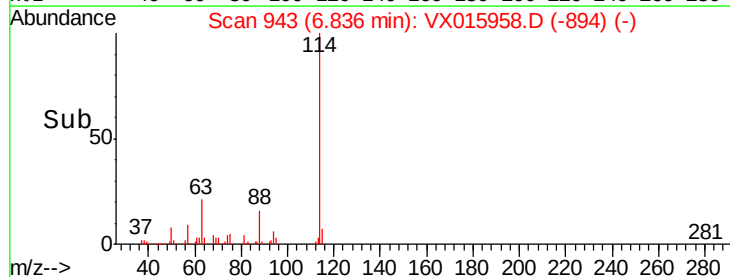
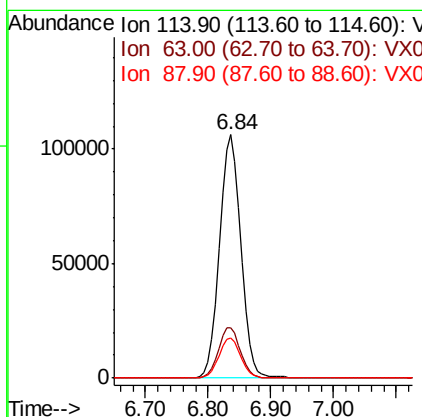
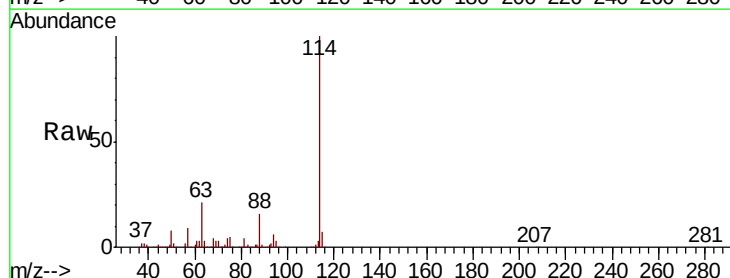
Instrument :
 MSVOA_X
 ClientSampleId :
 DRAINAGE-SEWALE

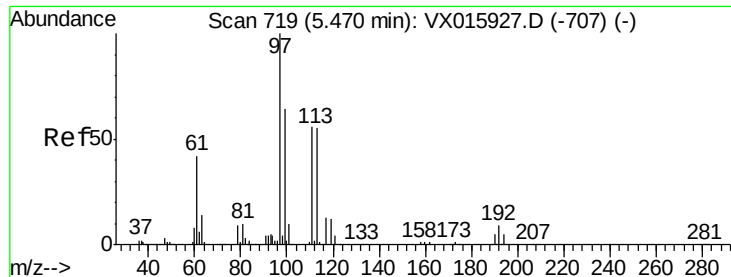
Tot Ion: 65 Resp: 94764
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.00 min
 Lab File: VX015958.D
 Acq: 25 Apr 2020 01:46

Tgt Ion: 114 Resp: 251014
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 44.4
 88 16.3 0.0 34.2

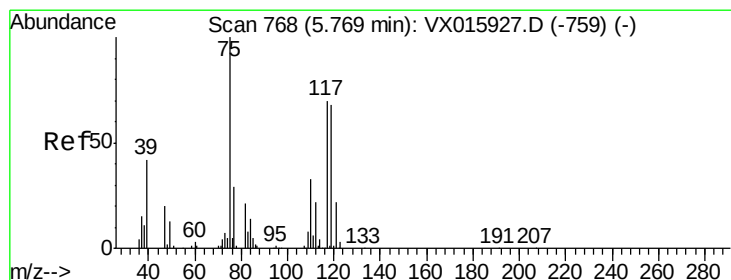
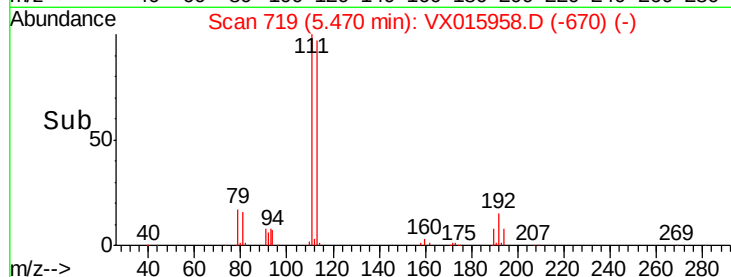
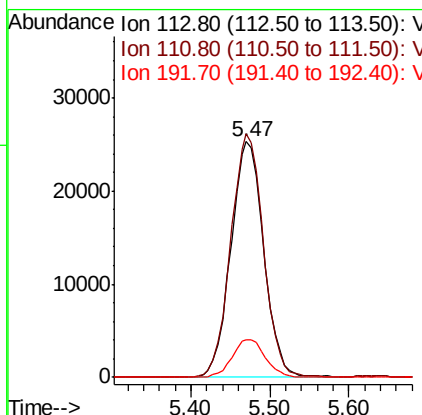
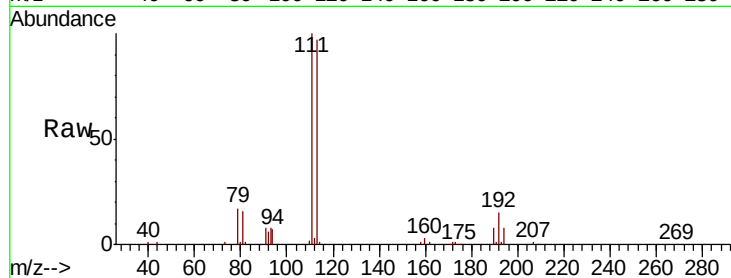




#35
 Dibromofluoromethane
 Concen: 53.533 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX015958.D
 Acq: 25 Apr 2020 01:46

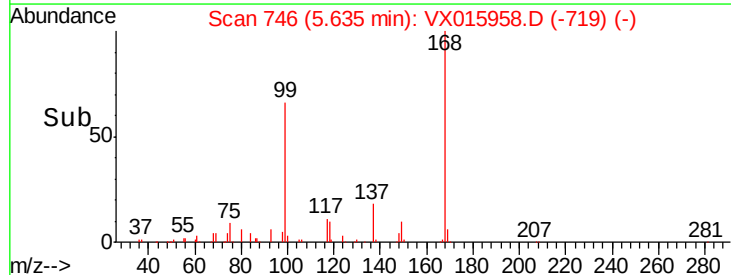
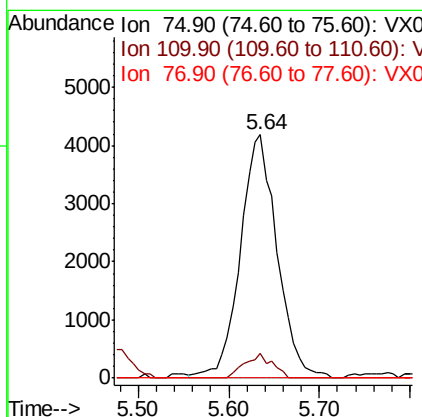
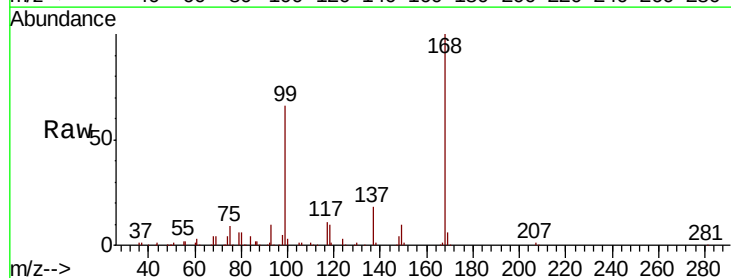
Instrument :
 MSVOA_X
 ClientSampleId :
 DRAINAGE-SEWALE

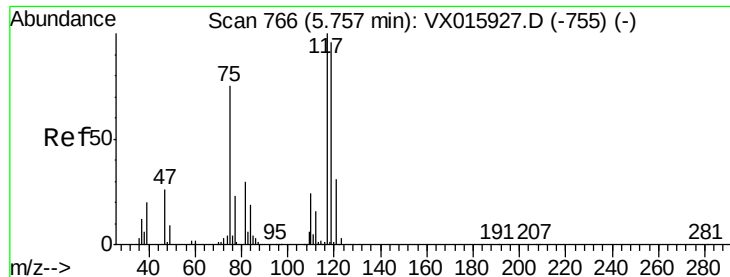
Tot Ion:113 Resp: 73286
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.2 121.8
 192 16.2 13.6 20.4



#36
 1,1-Dichloropropene
 Concen: 4.899 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX015958.D
 Acq: 25 Apr 2020 01:46

Tgt Ion: 75 Resp: 11736
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.1 51.3#
 77 0.0 25.0 37.4#

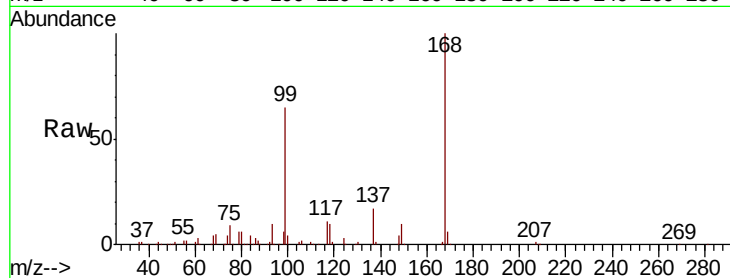




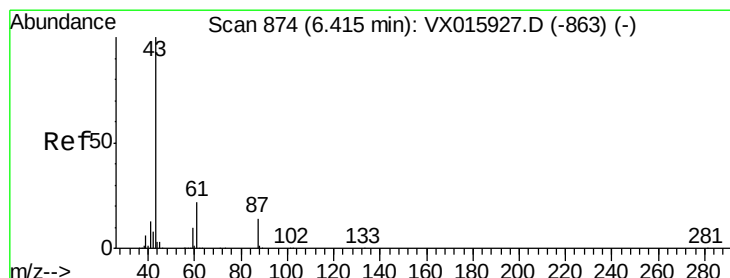
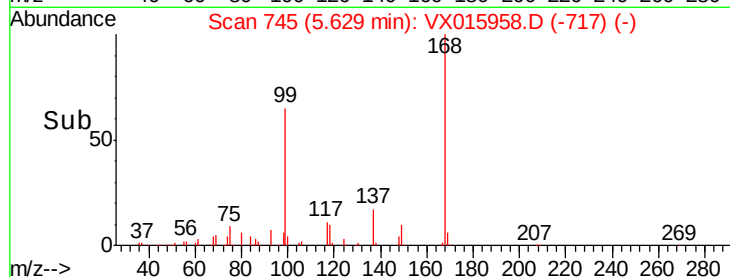
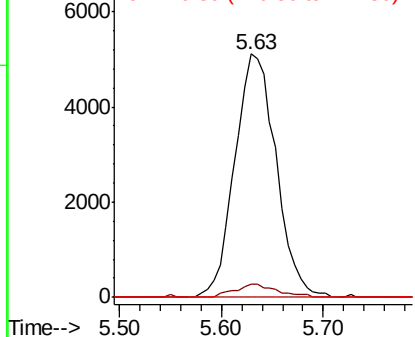
#38
Carbon Tetrachloride
Concen: 6.567 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Instrument :
MSVOA_X
ClientSampleId :
DRAINAGE-SEWALE

Tot Ion:117 Resp: 14376
Ion Ratio Lower Upper
117 100
119 5.2 77.0 115.6#
121 0.0 25.0 37.4#

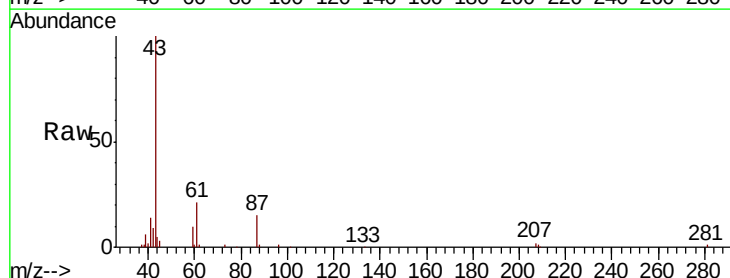


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

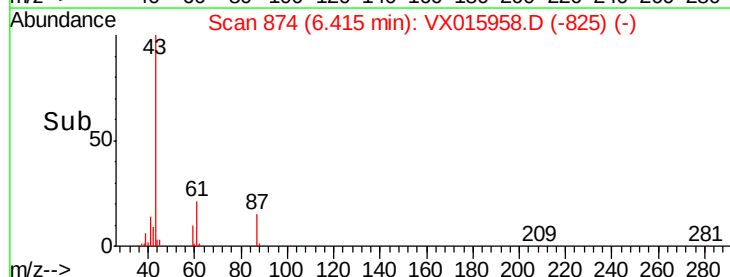
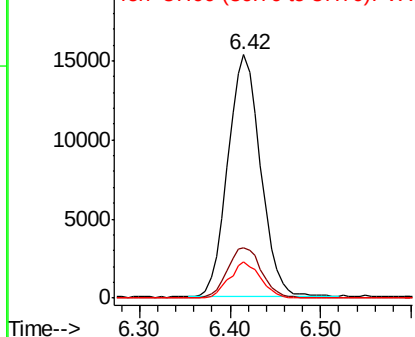


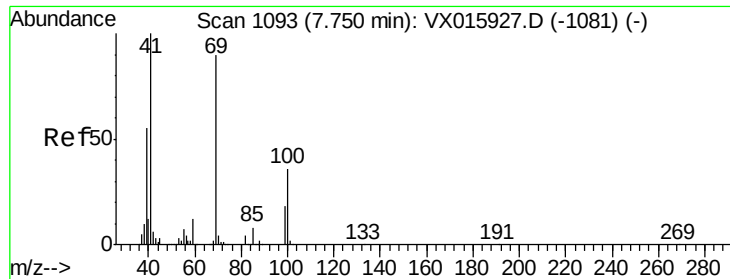
#43
Isopropyl Acetate
Concen: 9.723 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Tgt Ion: 43 Resp: 38387
Ion Ratio Lower Upper
43 100
61 21.6 17.6 26.4
87 14.3 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0

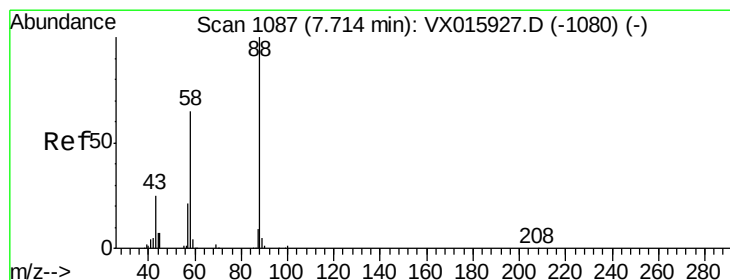
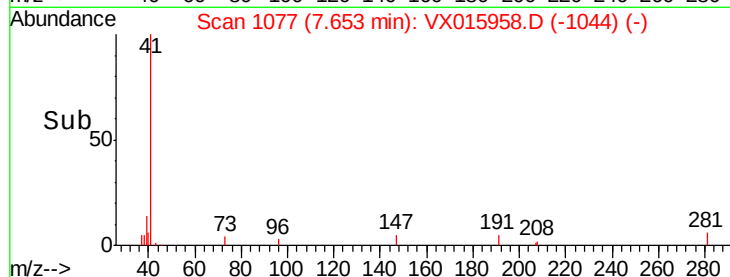
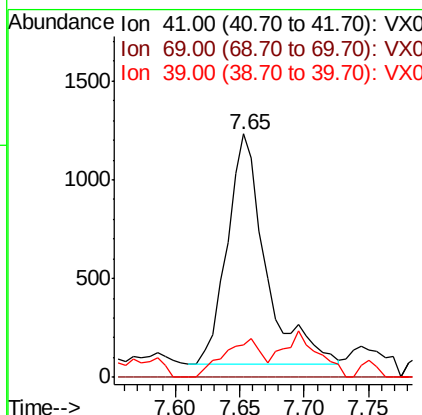
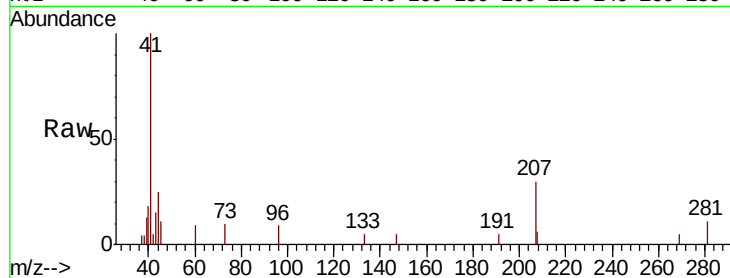




#48
Methvl methacrylate
Concen: 1.251 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

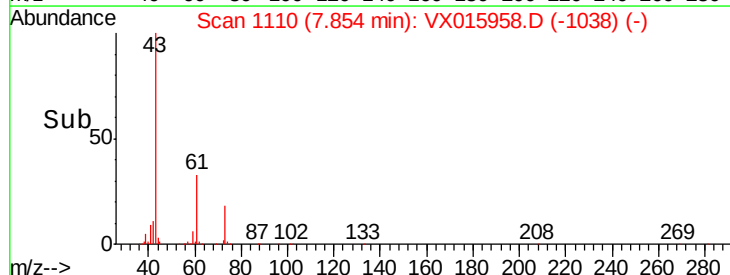
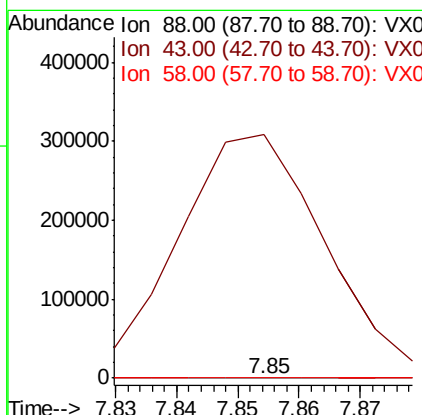
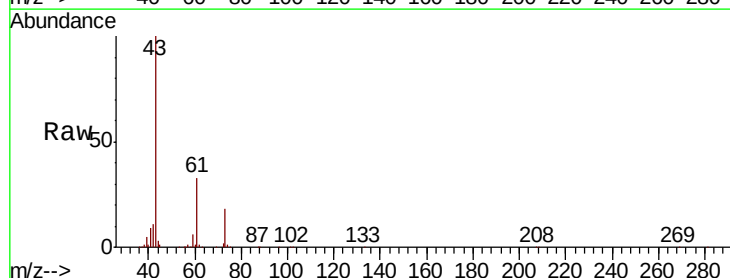
Instrument :
MSVOA_X
ClientSampleId :
DRAINAGE-SEWALE

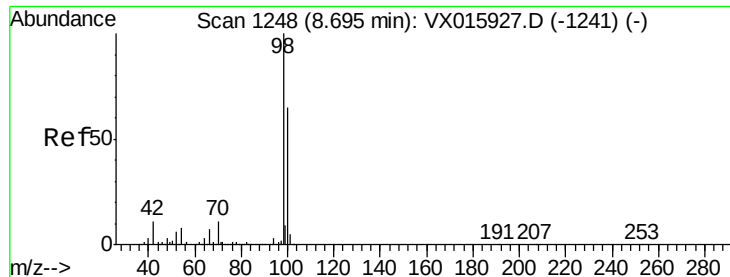
Tot Ion: 41 Resp: 2429
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 44.1 66.1#



#49
1,4-Dioxane
Concen: 0.486 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.14 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 2533938.1 23.8 35.8#
58 9790.5 55.7 83.5#

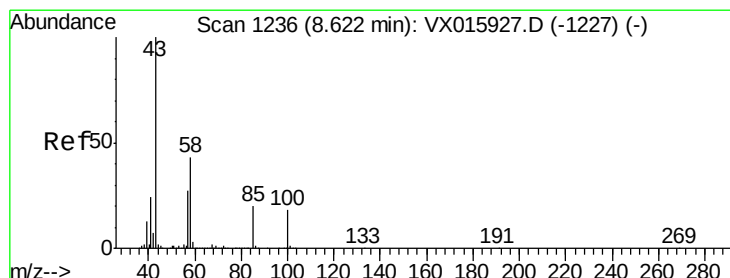
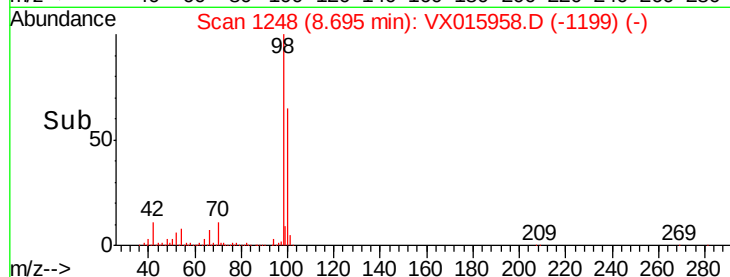
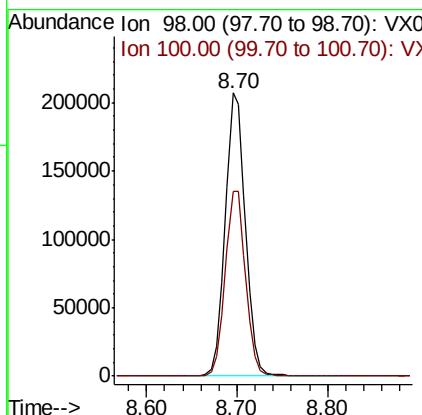
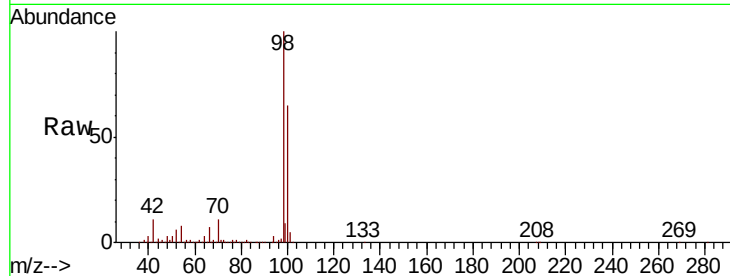




#50
Toluene-d8
Concen: 55.178 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

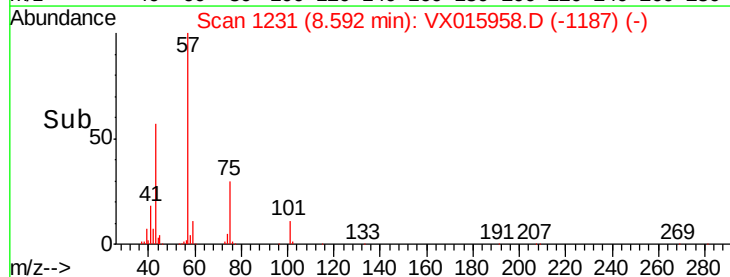
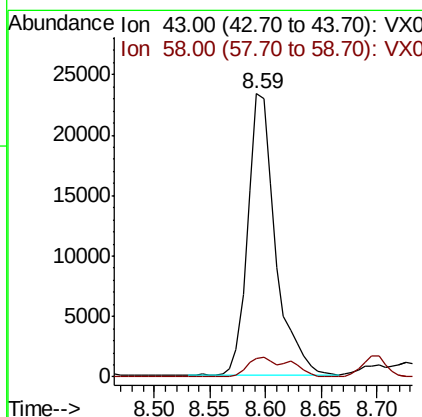
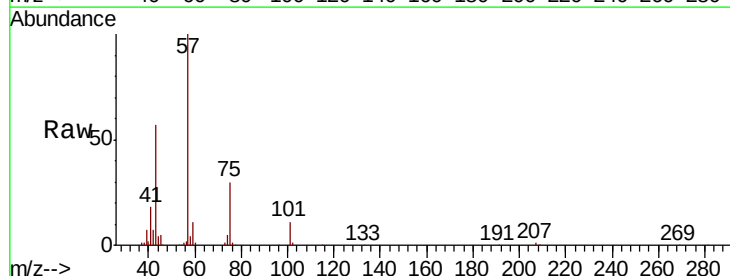
Instrument :
MSVOA_X
ClientSampleId :
DRAINAGE-SEWALE

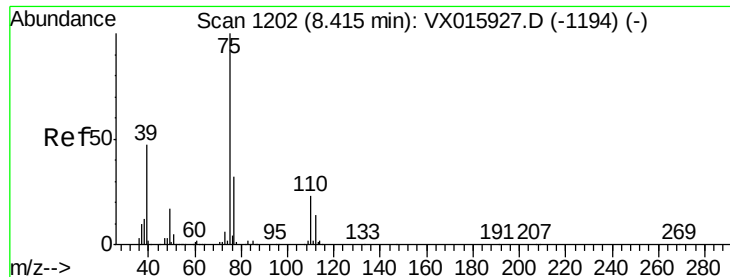
Tot Ion: 98 Resp: 319803
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 17.439 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Tgt Ion: 43 Resp: 40362
Ion Ratio Lower Upper
43 100
58 6.7 34.2 51.4#





#54

cis-1,3-Dichloropropene

Concen: 6.282 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX015958.D

Acq: 25 Apr 2020 01:46

Instrument :

MSVOA_X

ClientSampleId :

DRAINAGE-SEWALE

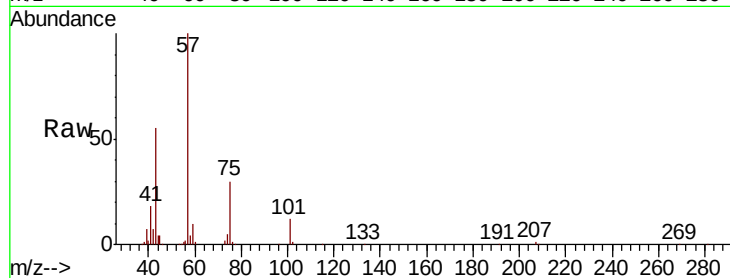
Tot Ion: 75 Resp: 19319

Ion Ratio Lower Upper

75 100

77 0.7 25.8 38.8#

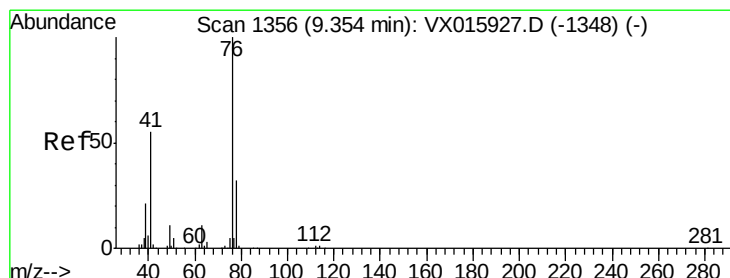
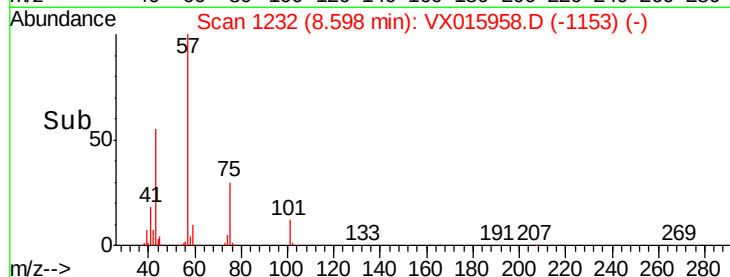
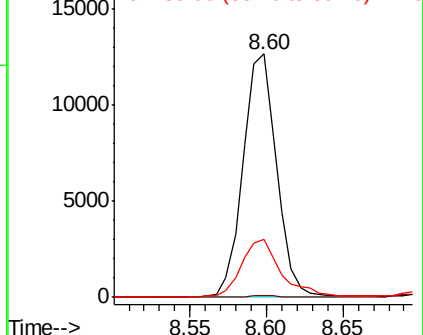
39 24.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 0.989 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX015958.D

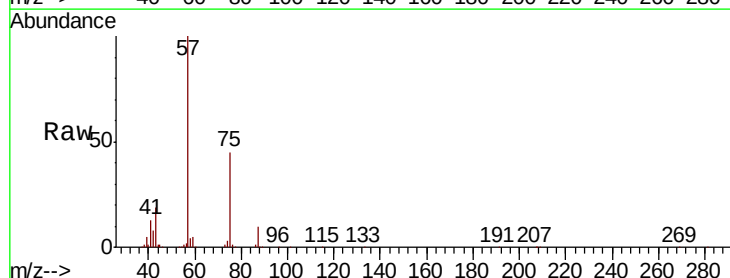
Acq: 25 Apr 2020 01:46

Tgt Ion: 76 Resp: 3007

Ion Ratio Lower Upper

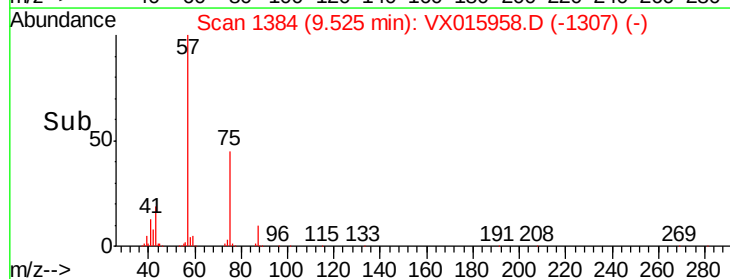
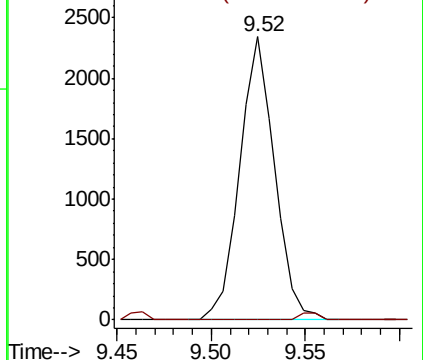
76 100

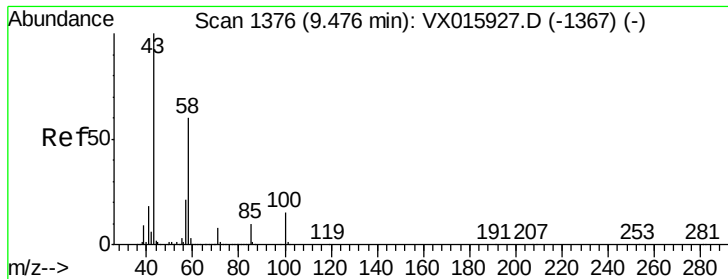
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

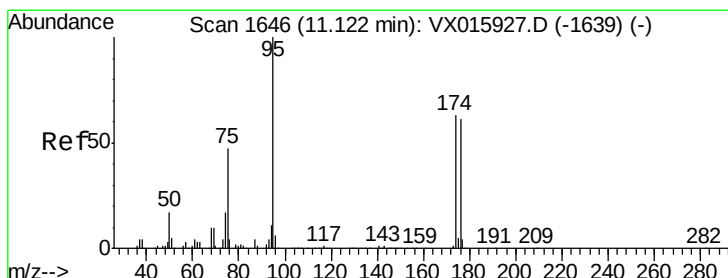
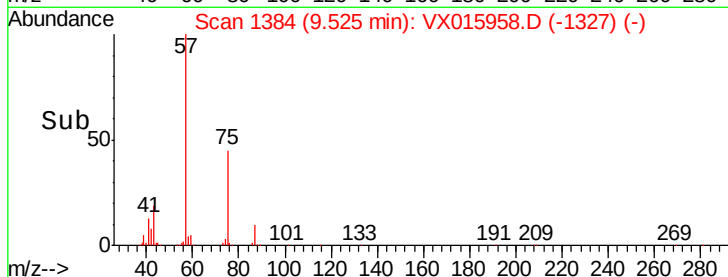
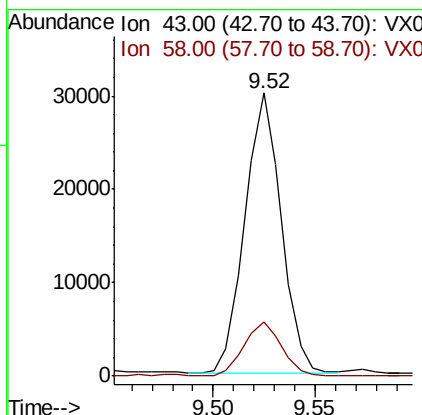
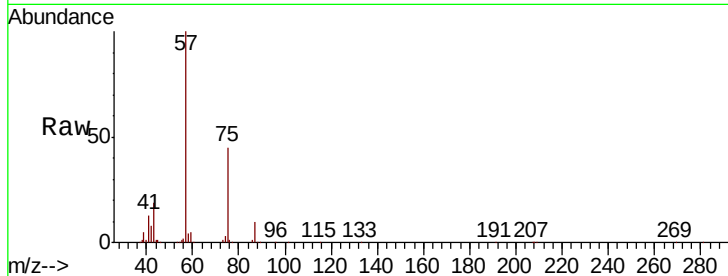




#59
2-Hexanone
Concen: 21.160 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

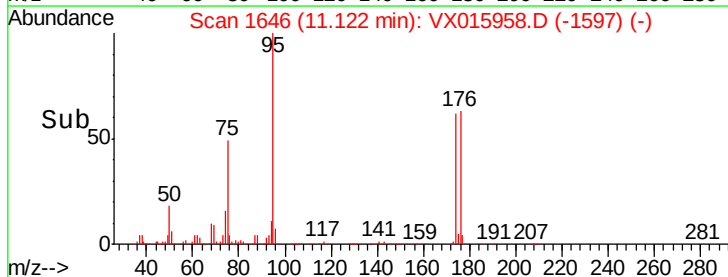
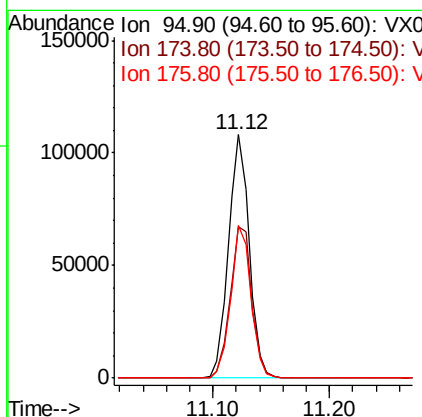
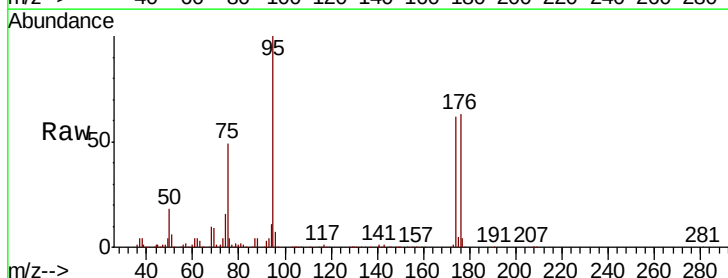
Instrument :
MSVOA_X
ClientSampleId :
DRAINAGE-SEWALE

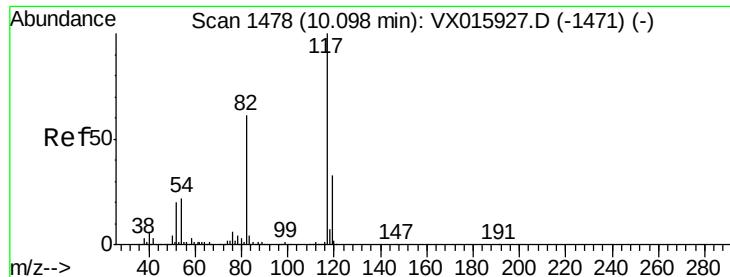
Tot Ion: 43 Resp: 37187
Ion Ratio Lower Upper
43 100
58 20.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 56.732 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Tgt Ion: 95 Resp: 133369
Ion Ratio Lower Upper
95 100
174 65.2 0.0 133.6
176 61.7 0.0 126.0

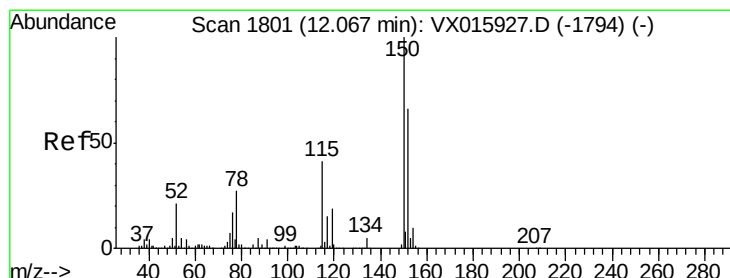
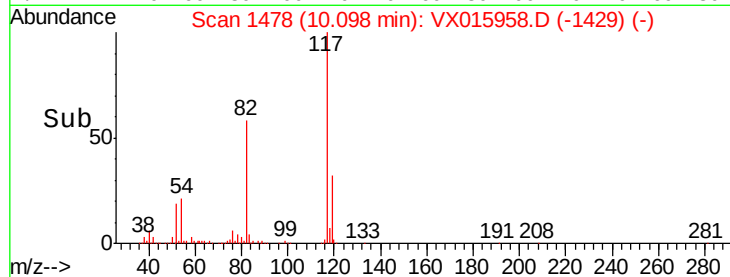
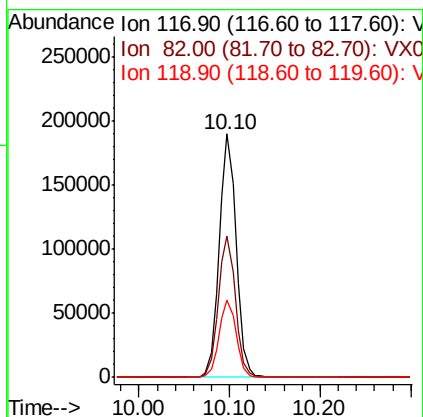
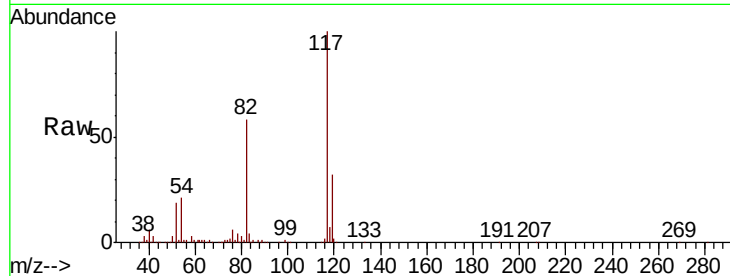




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

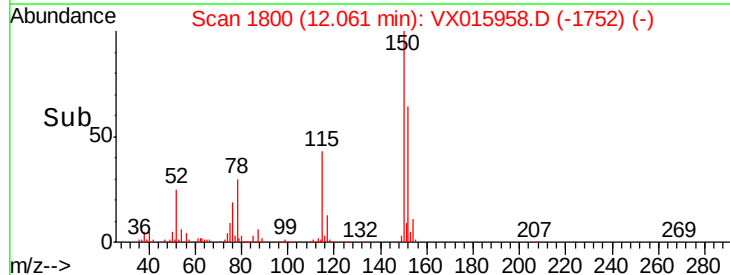
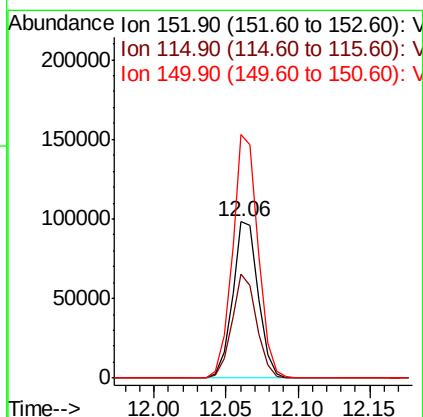
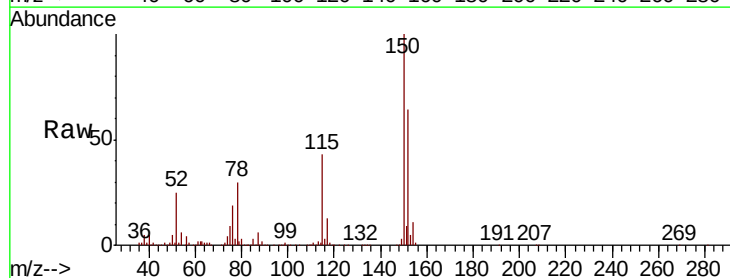
Instrument :
MSVOA_X
ClientSampleId :
DRAINAGE-SEWALE

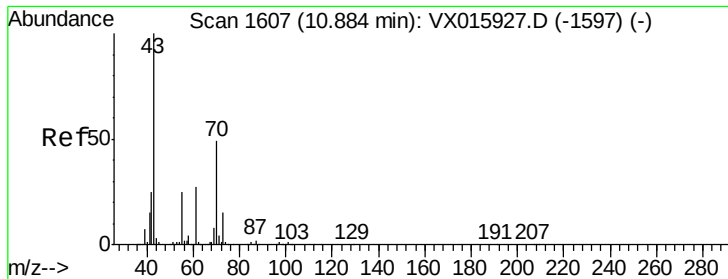
Tot Ion:117 Resp: 247848
Ion Ratio Lower Upper
117 100
82 57.7 48.5 72.7
119 31.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.01 min
Lab File: VX015958.D
Acq: 25 Apr 2020 01:46

Tgt Ion:152 Resp: 122878
Ion Ratio Lower Upper
152 100
115 64.0 44.1 132.4
150 154.5 0.0 343.6





#74

N-amvl acetate

Concen: 0.549 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.08 min

Lab File: VX015958.D

Acq: 25 Apr 2020 01:46

Instrument :

MSVOA_X

ClientSampleId :

DRAINAGE-SEWALE

Tot Ion: 43 Resp: 2176

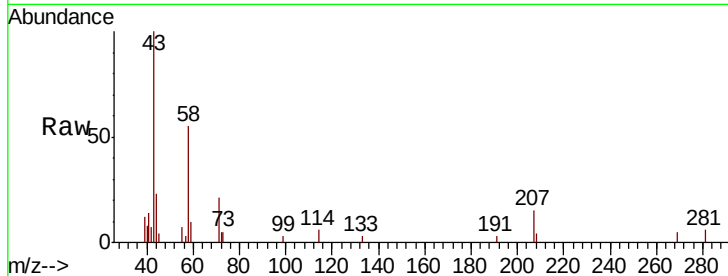
Ion Ratio Lower Upper

43 100

70 0.0 37.8 56.6#

55 8.2 20.2 30.2#

61 0.0 21.6 32.4#



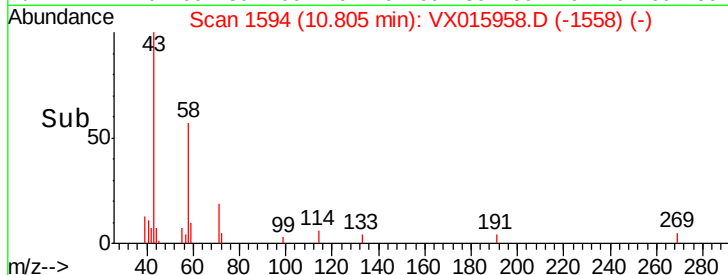
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

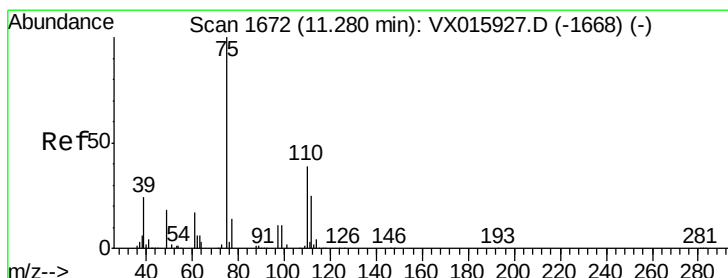
Ion 61.00 (60.70 to 61.70): VX0

Time-->



Abundance

Time-->



#76

1,2,3-Trichloropropane

Concen: 24.732 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX015958.D

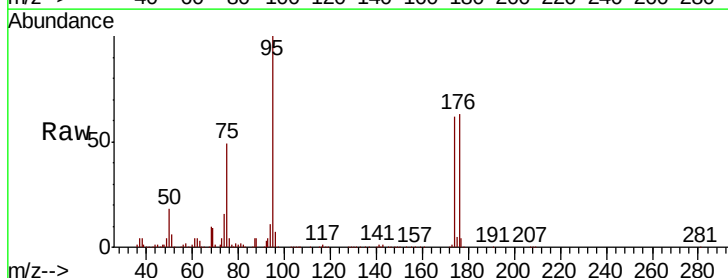
Acq: 25 Apr 2020 01:46

Tgt Ion: 75 Resp: 65190

Ion Ratio Lower Upper

75 100

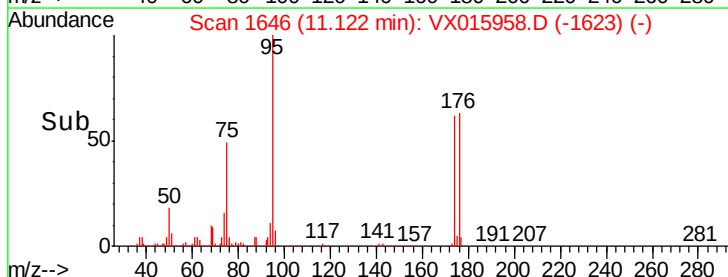
77 1.3 22.1 66.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

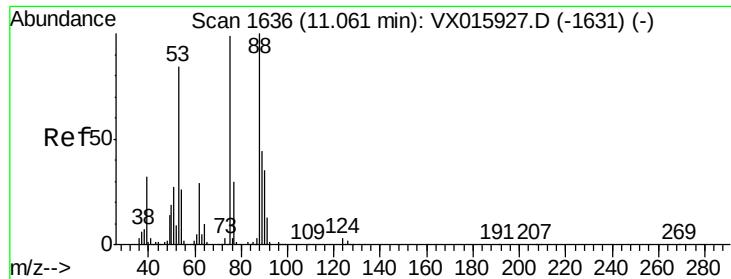
Ion 77.00 (76.70 to 77.70): VX0

Time-->



Abundance

Time-->



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.712 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX015958.D
 Acq: 25 Apr 2020 01:46

Instrument :
 MSVOA_X
 ClientSampleId :
 DRAINAGE-SEWALE

Tot Ion: 75 Resp: 65190
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.7 104.5#
 89 0.0 36.3 54.5#

