

Data File : VX019627.D
Acq On : 25 Nov 2020 00:26
Operator : JC/MD
Sample : L4835-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCH-IN-20201119

Quant Time: Nov 25 04:10:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	317522	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	519804	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	489289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	224823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	191515	46.52	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.04%
35) Dibromofluoromethane	5.46	113	152288	46.67	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.34%
50) Toluene-d8	8.70	98	631427	49.80	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.60%
62) 4-Bromofluorobenzene	11.12	95	239393	52.48	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	104.96%

Target Compounds

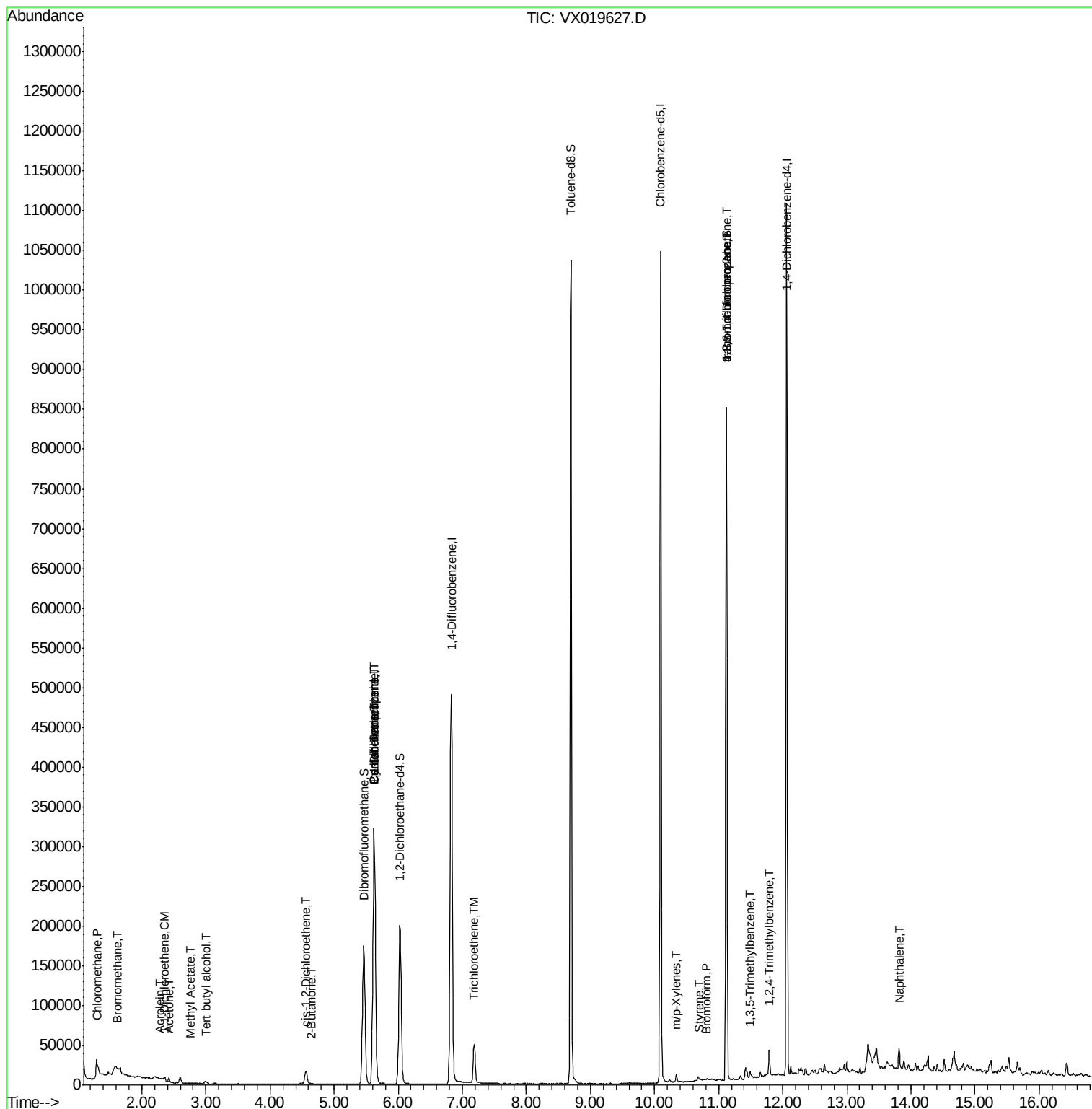
					Qvalue	
3) Chloromethane	1.31	50	1469	0.415	ug/l #	67
5) Bromomethane	1.62	94	515	0.356	ug/l	90
6) Chloroethane	1.67	64	2858	Below Cal	#	49
11) Tert butyl alcohol	3.00	59	2607	3.346	ug/l #	75
12) 1,1-Dichloroethene	2.35	96	742	0.235	ug/l #	79
13) Acrolein	2.28	56	108	0.206	ug/l #	15
16) Acetone	2.42	43	5688	3.573	ug/l	91
18) Methyl Acetate	2.75	43	496	0.760	ug/l	95
25) 2-Butanone	4.64	43	1190	0.498	ug/l	92
27) cis-1,2-Dichloroethene	4.56	96	10708	2.610	ug/l	96
31) Cyclohexane	5.62	56	6036	1.127	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23522	4.827	ug/l #	49
38) Carbon Tetrachloride	5.63	117	31053	6.583	ug/l #	16
44) Trichloroethene	7.19	130	18246	4.652	ug/l	95
68) m/p-Xylenes	10.34	106	2142	0.326	ug/l	90
70) Styrene	10.70	104	381	1.677	ug/l #	36
71) Bromoform	10.82	173	124	3.640	ug/l #	28
76) 1,2,3-Trichloropropane	11.12	75	116905	23.827	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	3419	0.262	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	116905	63.140	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	14027	1.063	ug/l	97
95) Naphthalene	13.82	128	19650	3.311	ug/l #	96

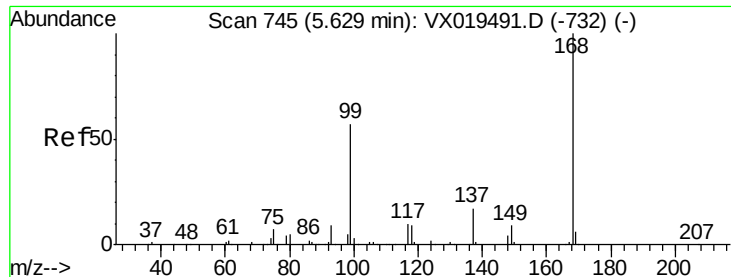
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

Instrument :

MSVOA_X

ClientSampleId :

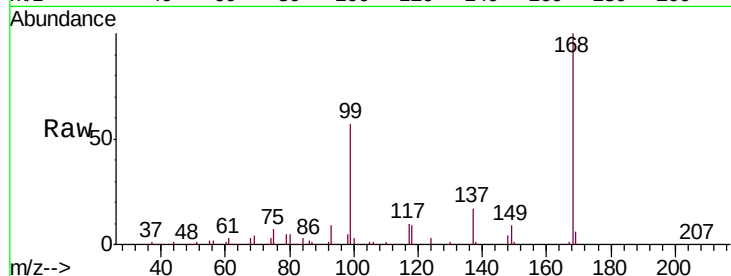
WEST-DITCH-IN-20201119

Tgt Ion:168 Resp: 317522

Ion Ratio Lower Upper

168 100

99 56.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

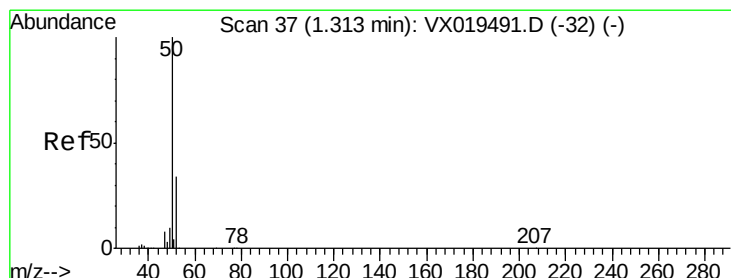
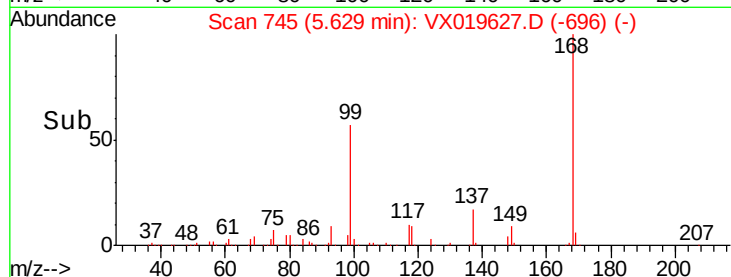
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.415 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019627.D

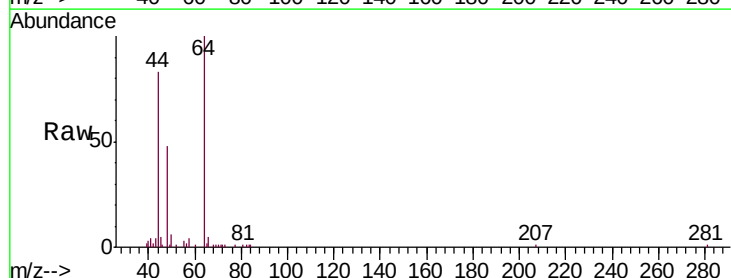
Acq: 25 Nov 2020 00:26

Tgt Ion: 50 Resp: 1469

Ion Ratio Lower Upper

50 100

52 14.9 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

500

400

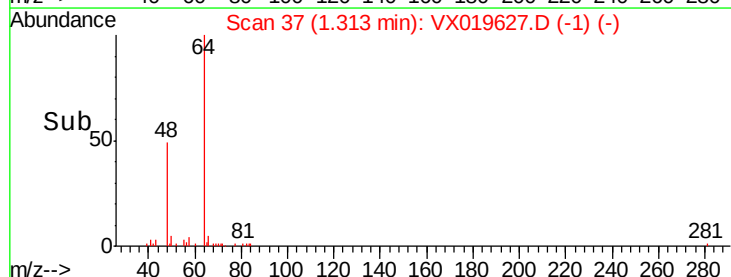
300

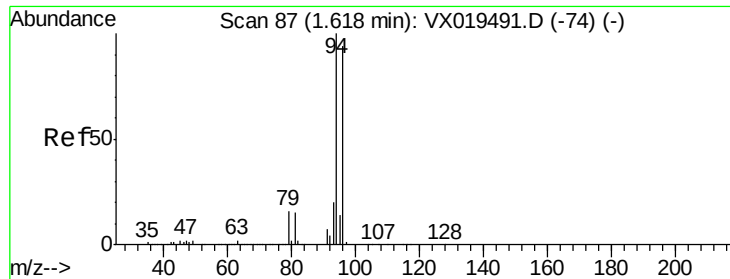
200

100

0

Time-->





#5

Bromomethane

Concen: 0.356 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

Instrument :

MSVOA_X

ClientSampleId :

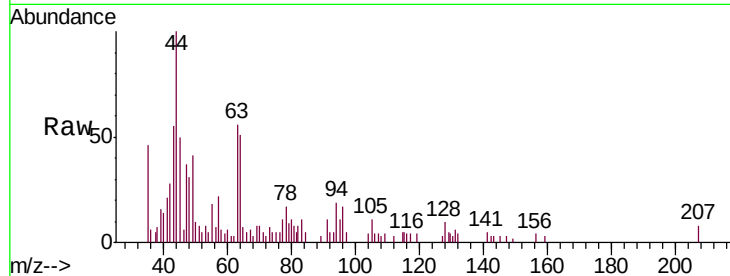
WEST-DITCH-IN-20201119

Tgt Ion: 94 Resp: 515

Ion Ratio Lower Upper

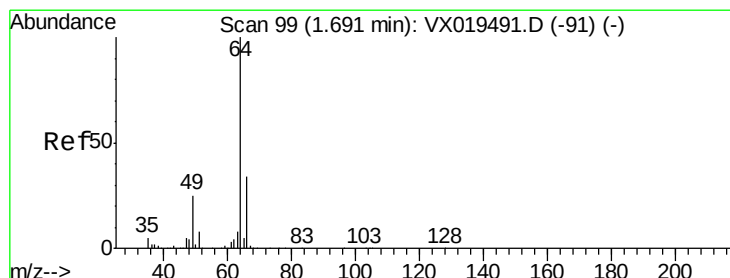
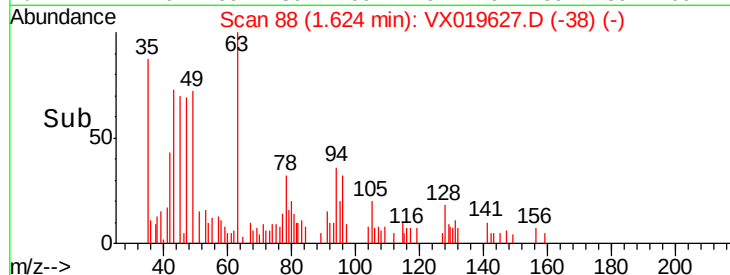
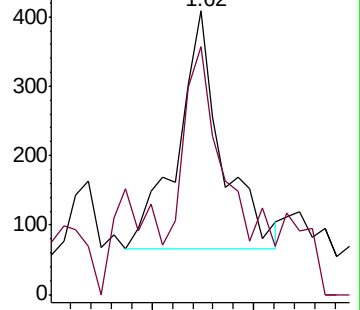
94 100

96 84.5 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 95

Delta R.T. -0.02 min

Lab File: VX019627.D

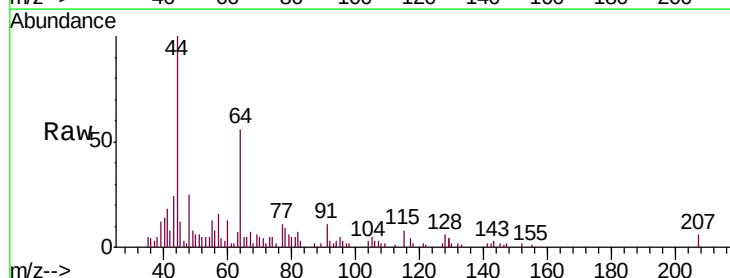
Acq: 25 Nov 2020 00:26

Tgt Ion: 64 Resp: 2858

Ion Ratio Lower Upper

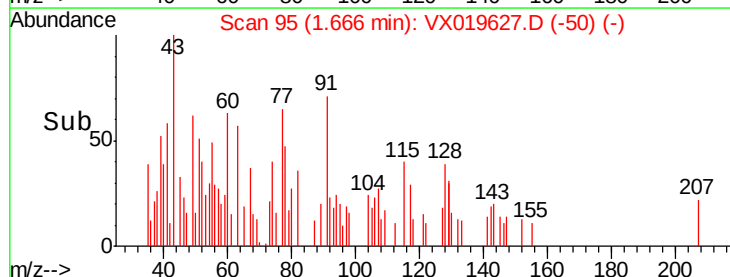
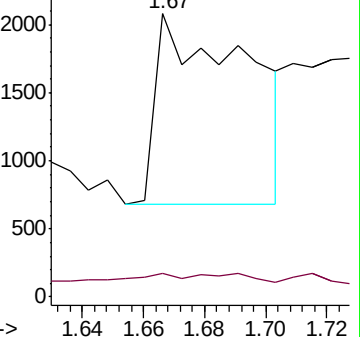
64 100

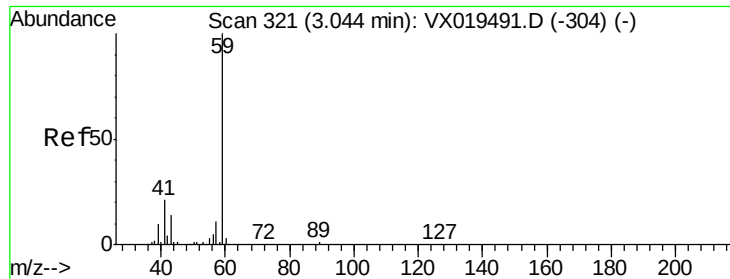
66 4.5 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

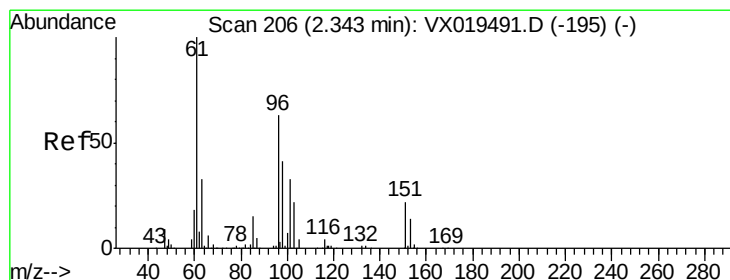
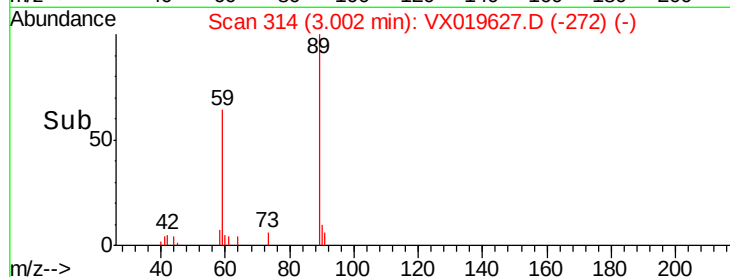
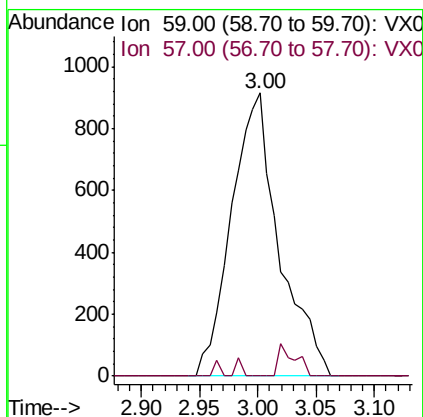
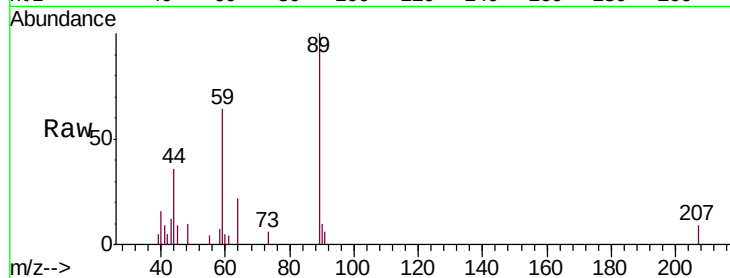




#11
Tert butyl alcohol
Concen: 3.346 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.04 min
Lab File: VX019627.D
Acq: 25 Nov 2020 00:26

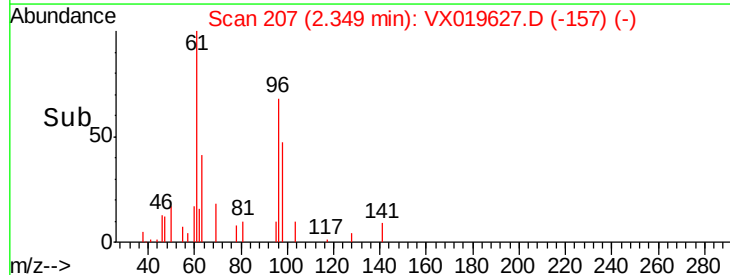
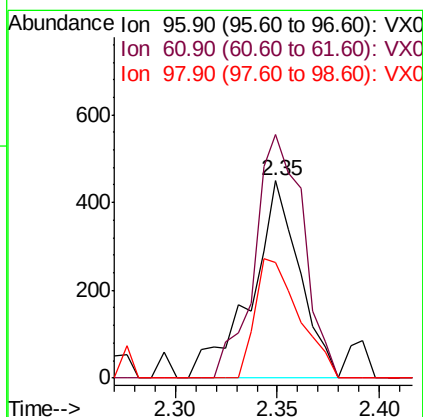
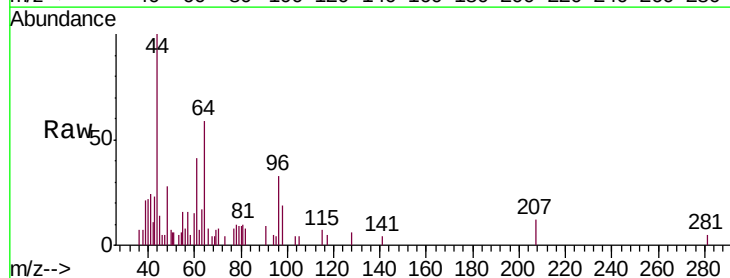
Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCH-IN-20201119

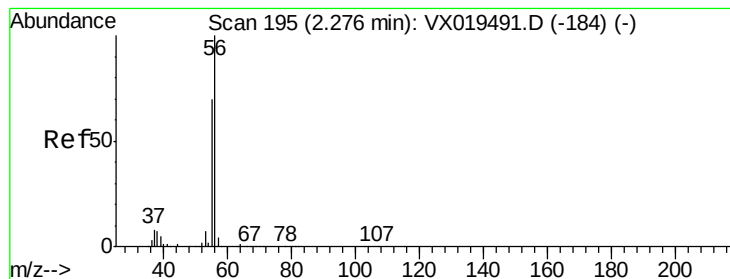
Tgt Ion: 59 Resp: 2607
Ion Ratio Lower Upper
59 100
57 0.8 7.9 11.9#



#12
1,1-Dichloroethene
Concen: 0.235 ug/l
RT: 2.35 min Scan# 207
Delta R.T. 0.01 min
Lab File: VX019627.D
Acq: 25 Nov 2020 00:26

Tgt Ion: 96 Resp: 742
Ion Ratio Lower Upper
96 100
61 123.3 126.0 189.0#
98 58.2 52.0 78.0





#13

Acrolein

Concen: 0.206 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

Instrument :

MSVOA_X

ClientSampleId :

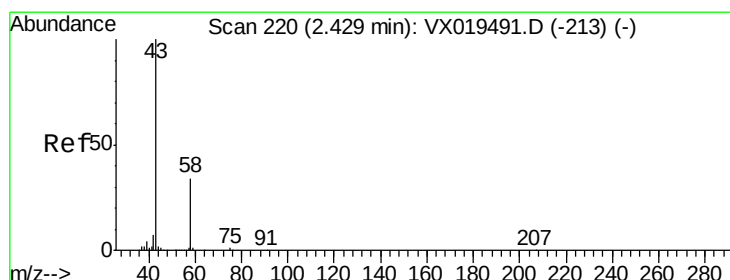
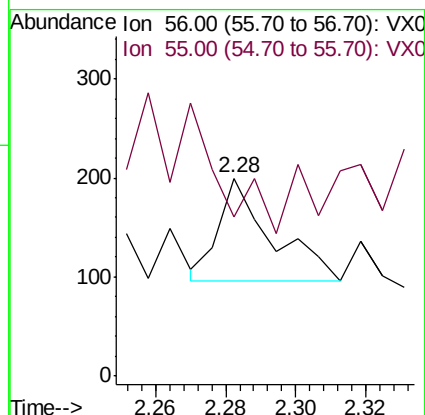
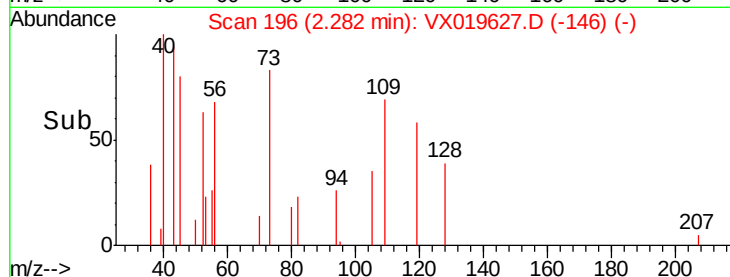
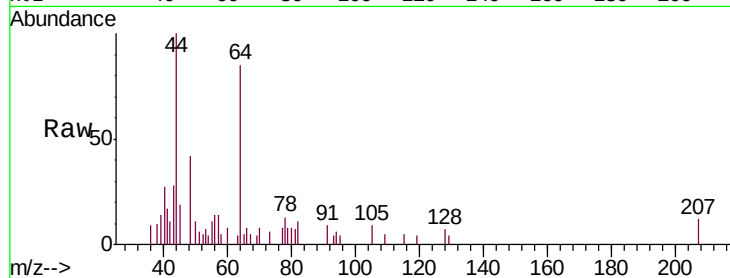
WEST-DITCH-IN-20201119

Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

56 100

55 0.0 55.5 83.3#



#16

Acetone

Concen: 3.573 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019627.D

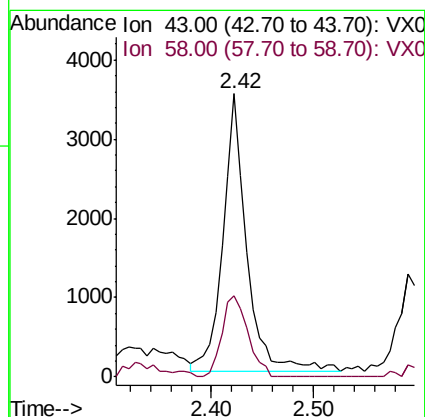
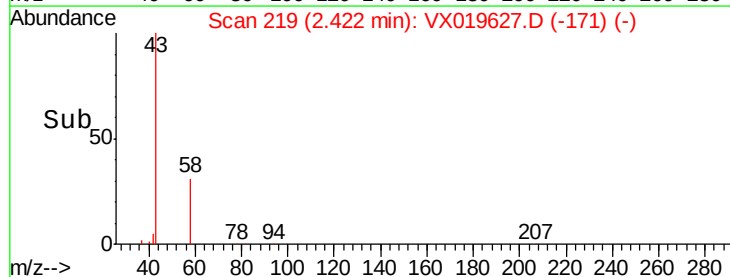
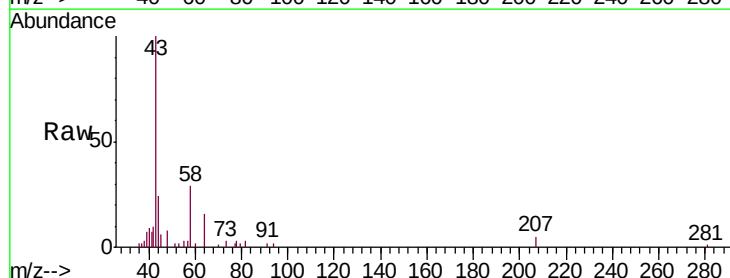
Acq: 25 Nov 2020 00:26

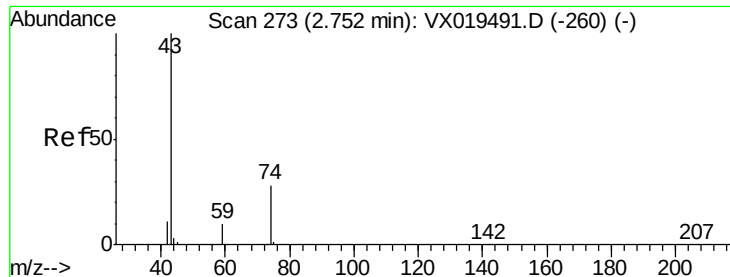
Tgt Ion: 43 Resp: 5688

Ion Ratio Lower Upper

43 100

58 29.2 27.4 41.2

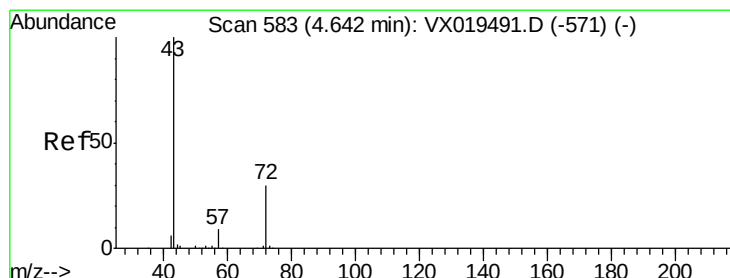
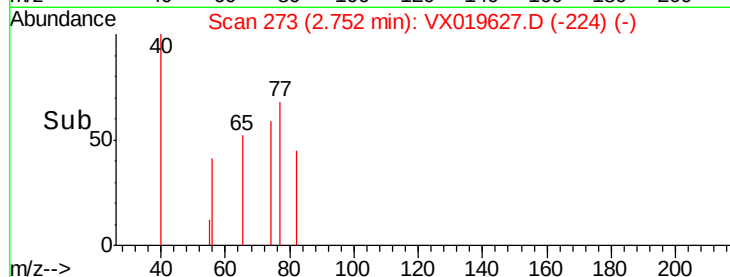
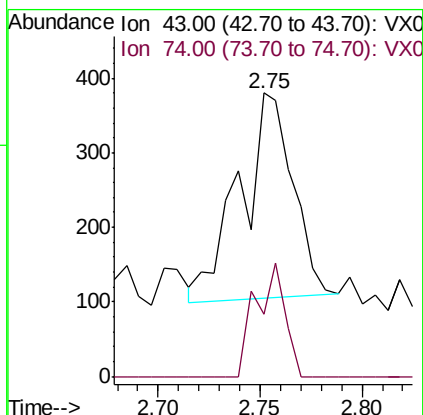
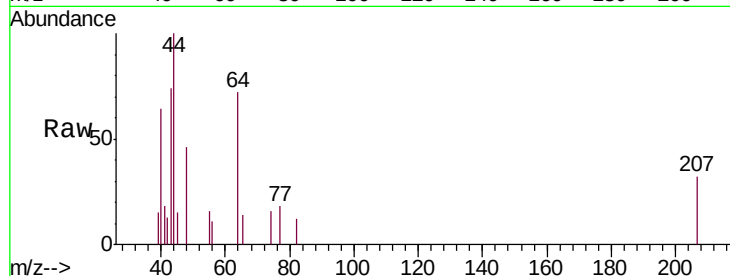




#18
Methyl Acetate
Concen: 0.760 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019627.D
Acq: 25 Nov 2020 00:26

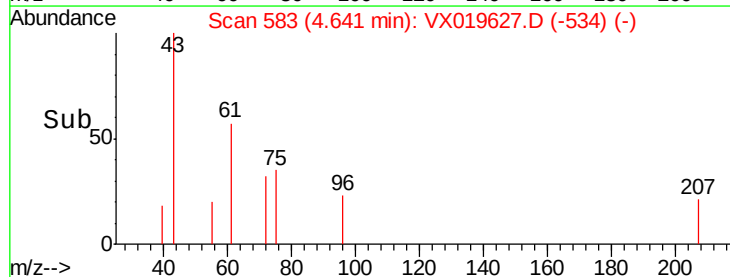
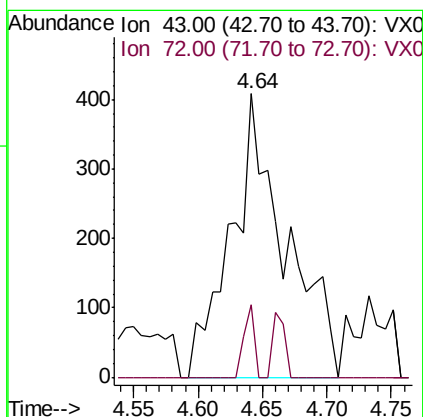
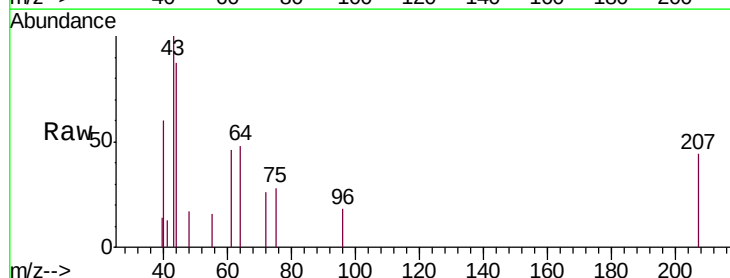
Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCH-IN-20201119

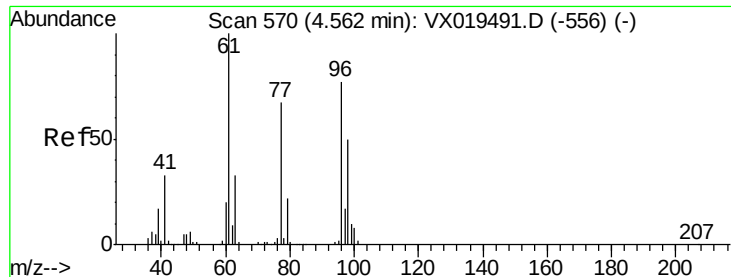
Tgt Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
74 30.4 22.2 33.4



#25
2-Butanone
Concen: 0.498 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX019627.D
Acq: 25 Nov 2020 00:26

Tgt Ion: 43 Resp: 1190
Ion Ratio Lower Upper
43 100
72 25.7 24.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 2.610 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20201119

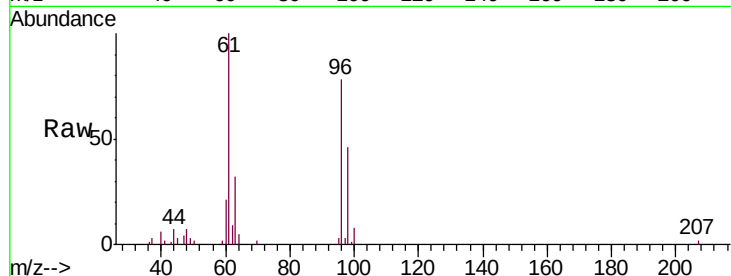
Tgt Ion: 96 Resp: 10708

Ion Ratio Lower Upper

96 100

61 135.5 0.0 279.2

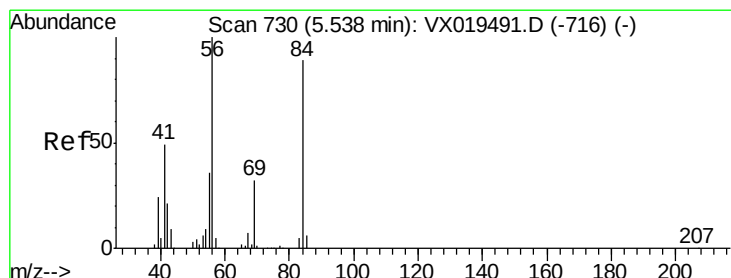
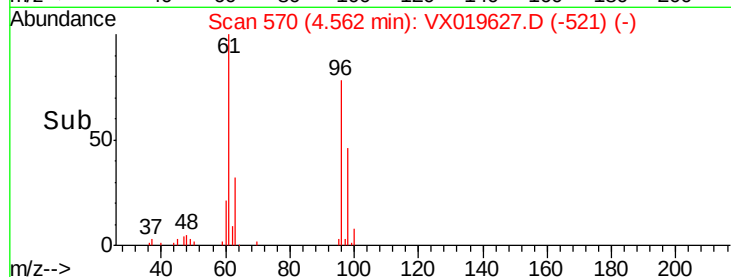
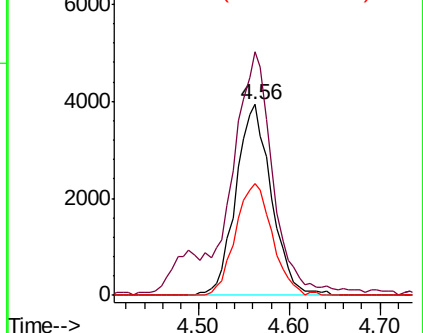
98 60.4 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#31

Cyclohexane

Concen: 1.127 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

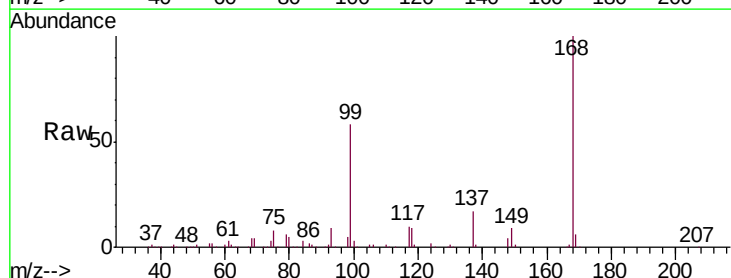
Tgt Ion: 56 Resp: 6036

Ion Ratio Lower Upper

56 100

69 191.0 25.5 38.3#

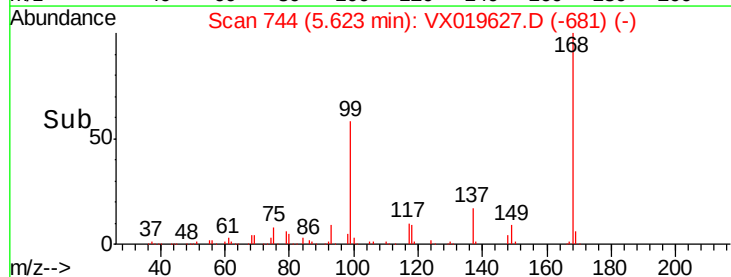
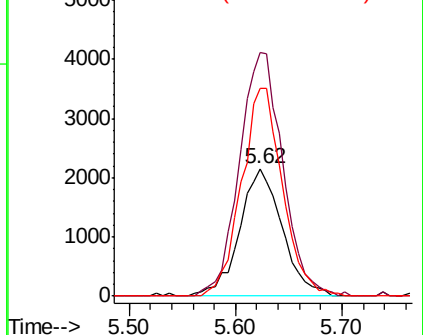
84 163.0 71.1 106.7#

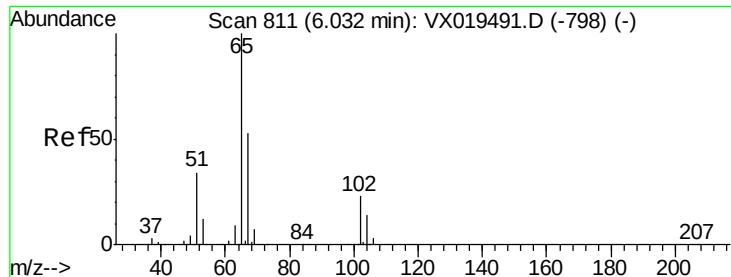


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

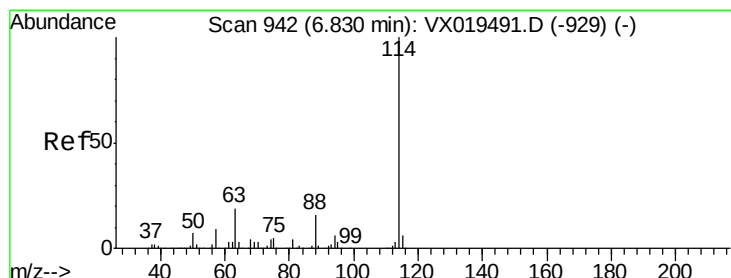
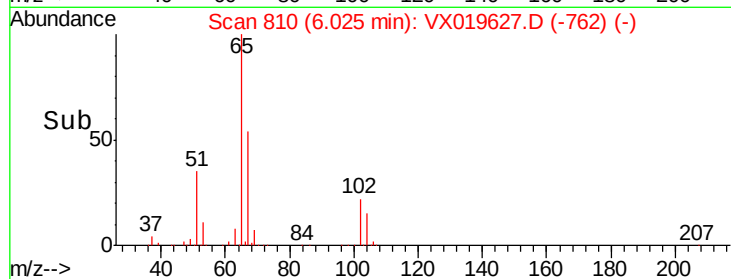
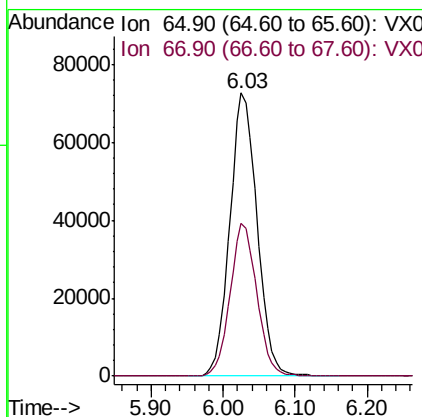
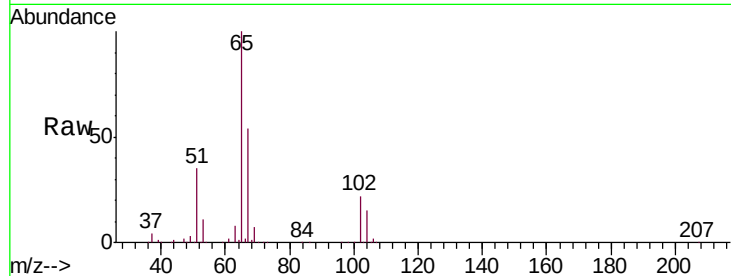




#33
 1,2-Dichloroethane-d4
 Concen: 46.519 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019627.D
 Acq: 25 Nov 2020 00:26

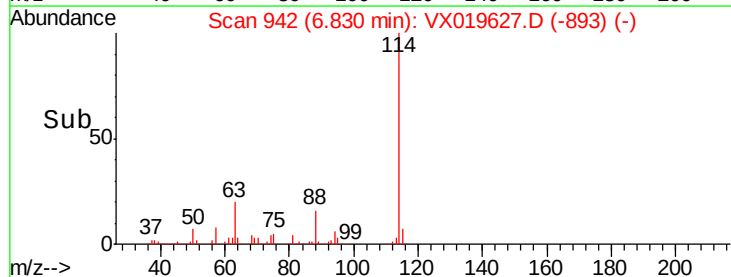
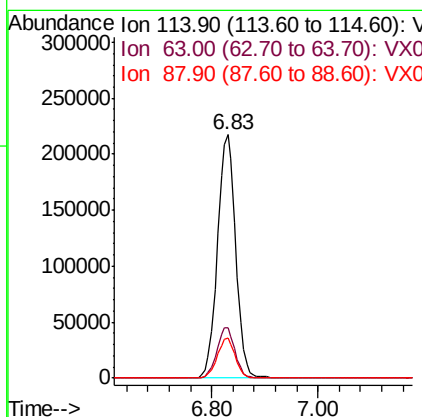
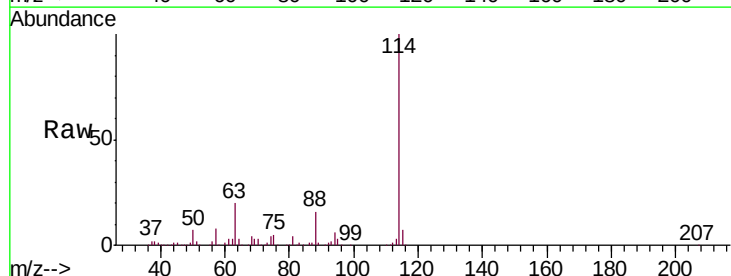
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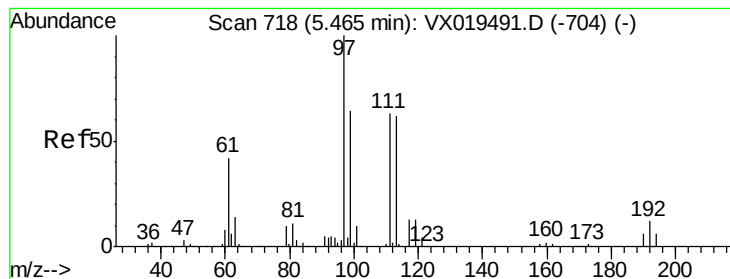
Tgt Ion: 65 Resp: 191515
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019627.D
 Acq: 25 Nov 2020 00:26

Tgt Ion: 114 Resp: 519804
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.8
 88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.674 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20201119

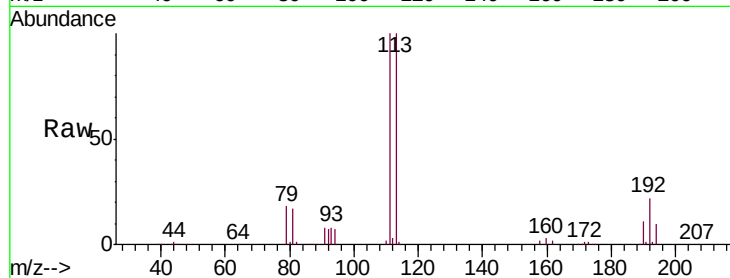
Tgt Ion:113 Resp: 152288

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

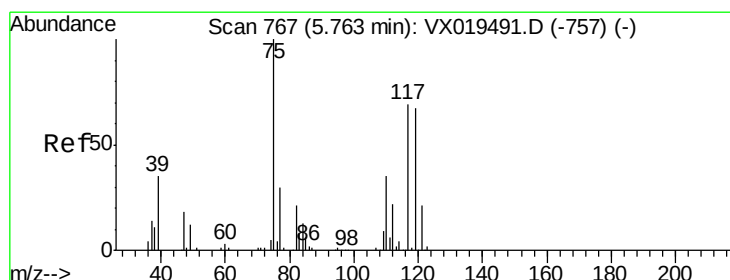
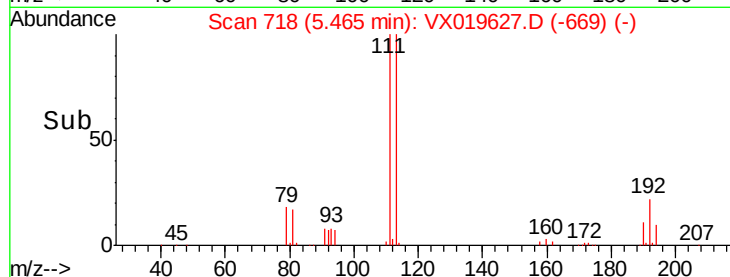
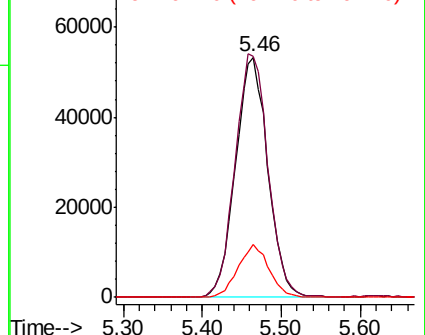
192 21.0 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.827 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

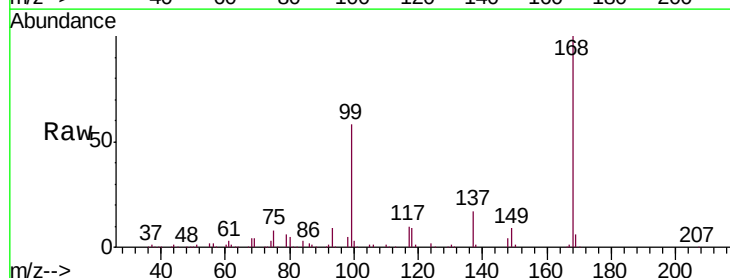
Tgt Ion: 75 Resp: 23522

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

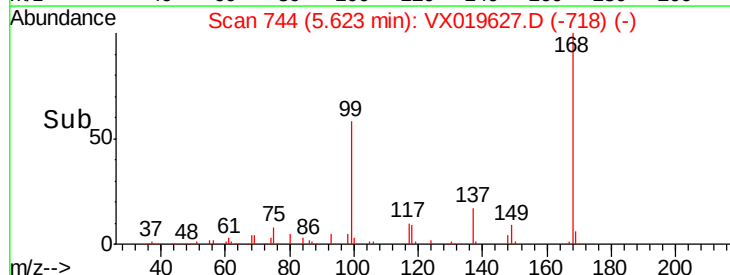
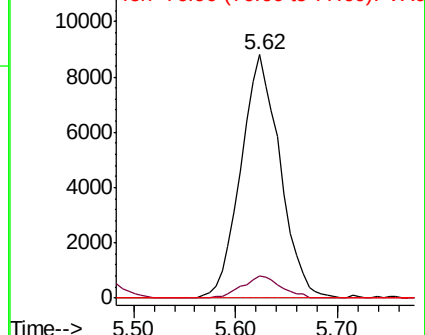
77 0.0 24.2 36.4#

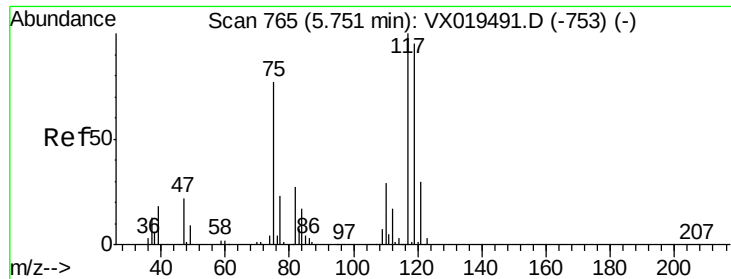


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.583 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20201119

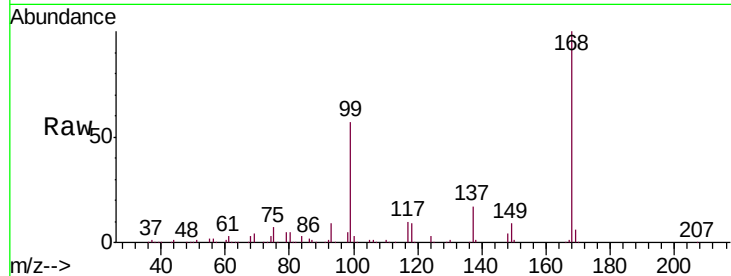
Tgt Ion:117 Resp: 31053

Ion Ratio Lower Upper

117 100

119 4.7 75.9 113.9#

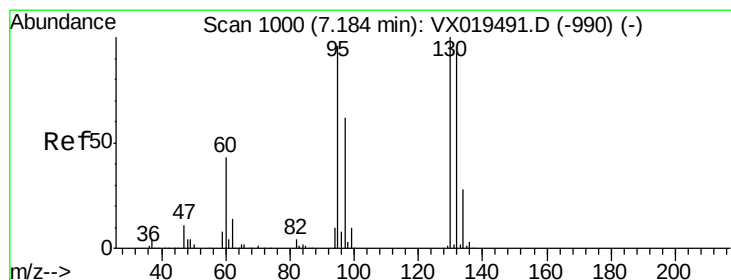
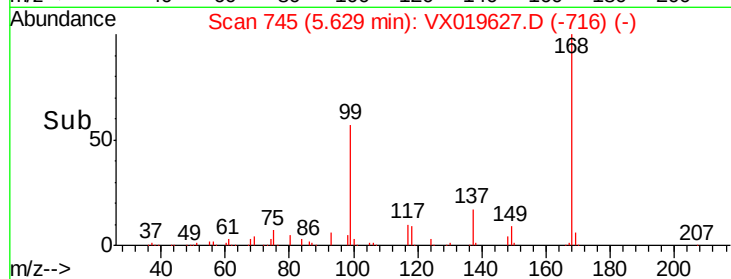
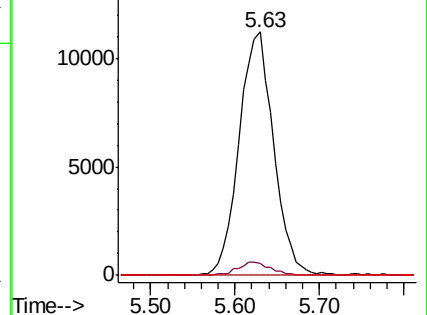
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

15000 Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 4.652 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019627.D

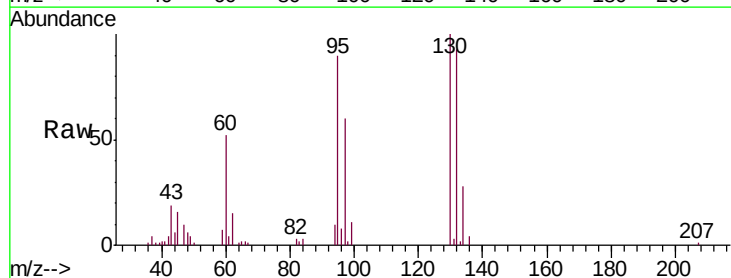
Acq: 25 Nov 2020 00:26

Tgt Ion:130 Resp: 18246

Ion Ratio Lower Upper

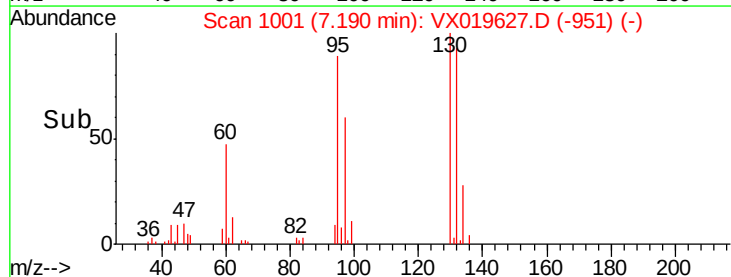
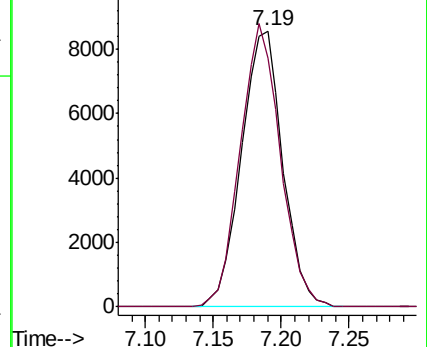
130 100

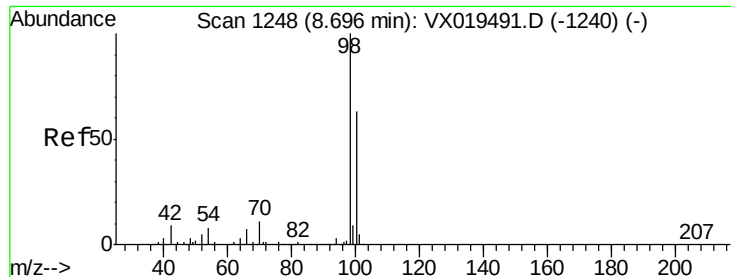
95 90.4 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

10000 Ion 94.90 (94.60 to 95.60): V

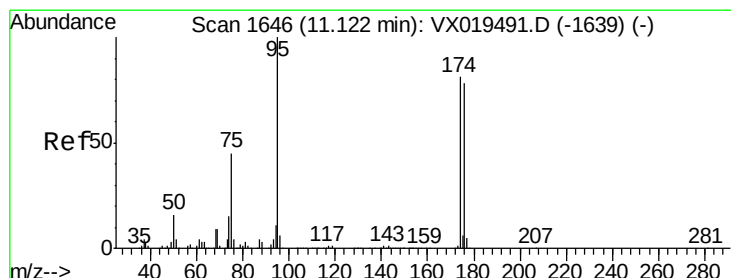
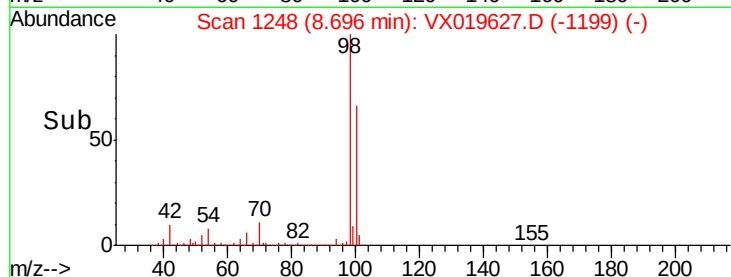
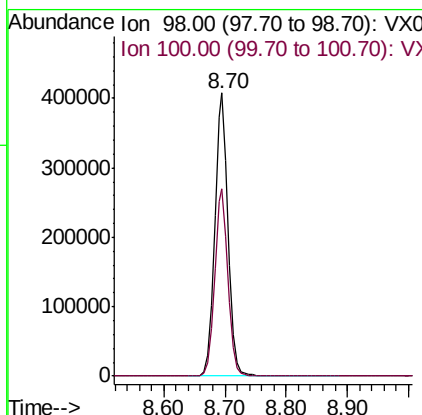
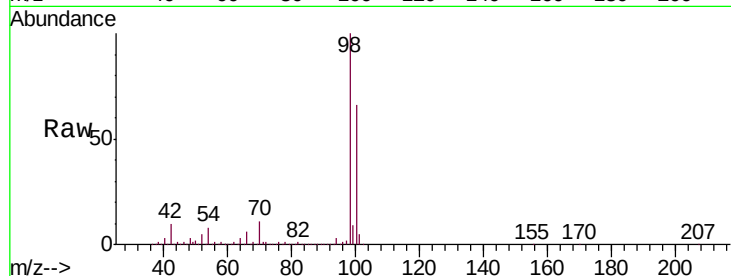




#50
Toluene-d8
Concen: 49.801 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019627.D
Acq: 25 Nov 2020 00:26

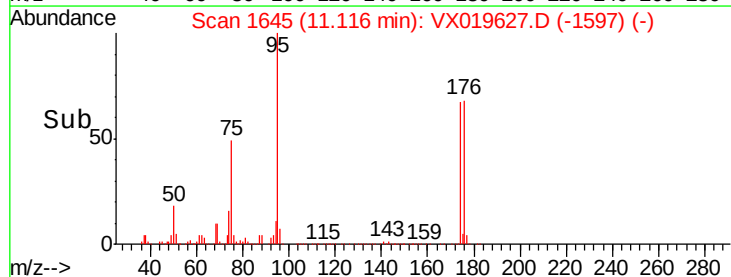
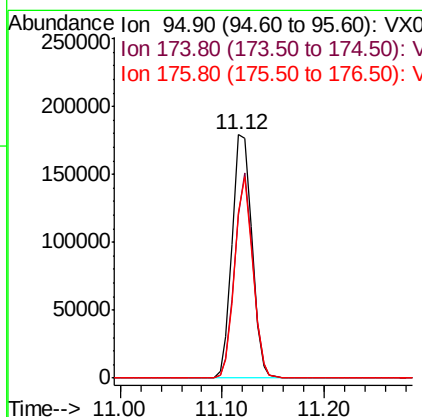
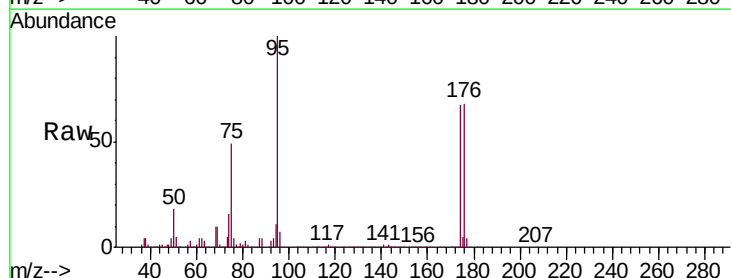
Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCH-IN-20201119

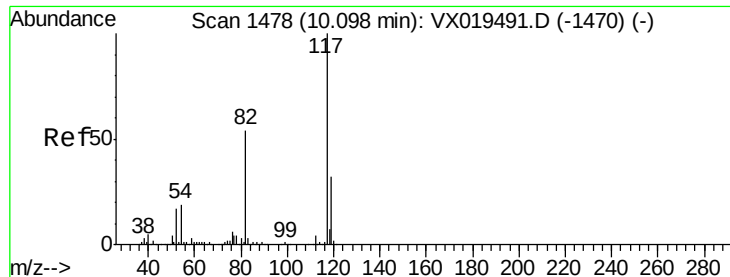
Tgt Ion: 98 Resp: 631427
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.479 ug/l
RT: 11.12 min Scan# 1645
Delta R.T. -0.01 min
Lab File: VX019627.D
Acq: 25 Nov 2020 00:26

Tgt Ion: 95 Resp: 239393
Ion Ratio Lower Upper
95 100
174 77.3 0.0 156.2
176 75.5 0.0 151.4

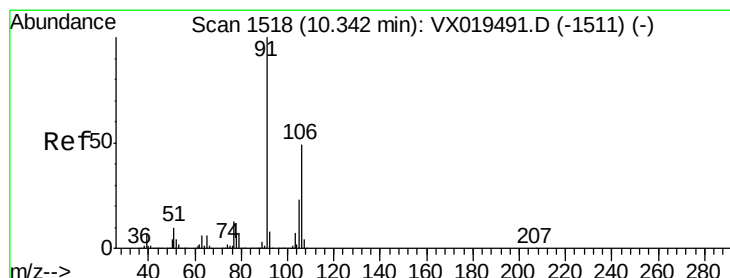
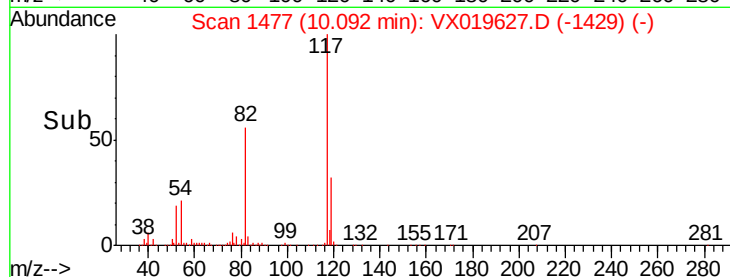
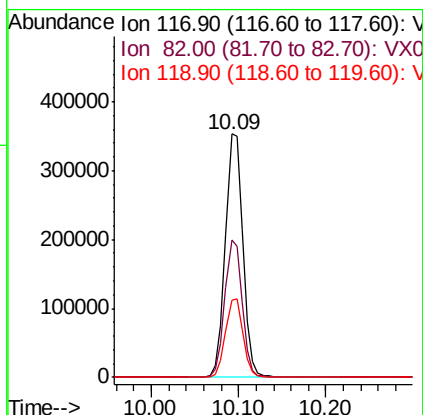
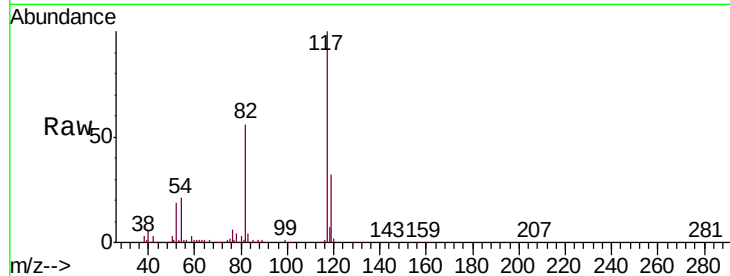




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019627.D
Acq: 25 Nov 2020 00:26

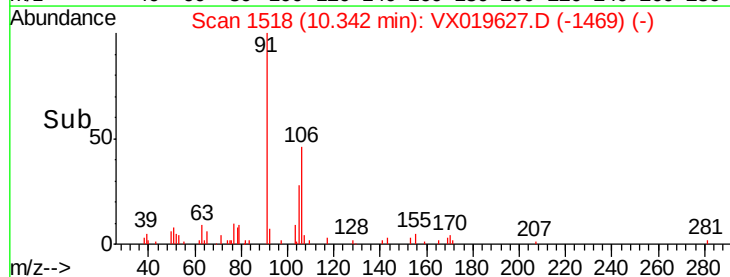
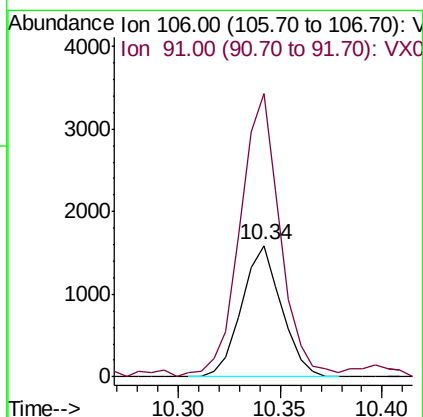
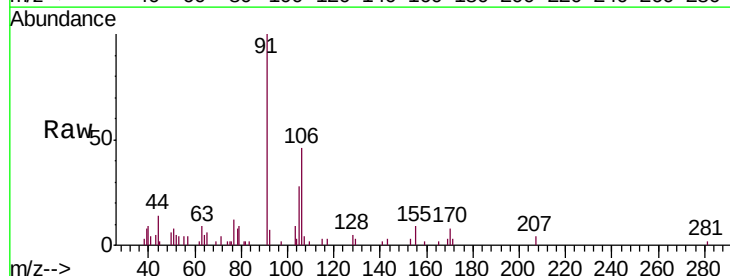
Instrument :
MSVOA_X
ClientSampleId :
WEST-DITCH-IN-20201119

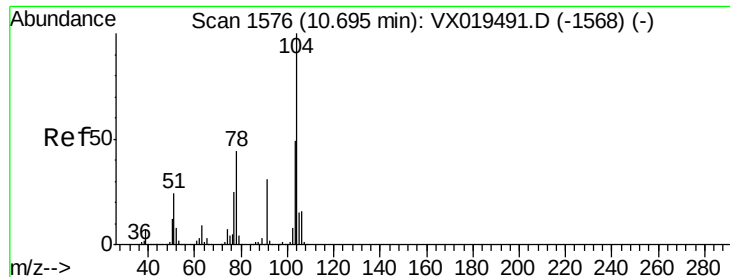
Tgt Ion:117 Resp: 489289
Ion Ratio Lower Upper
117 100
82 56.5 43.0 64.4
119 31.8 25.6 38.4



#68
m/p-Xylenes
Concen: 0.326 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019627.D
Acq: 25 Nov 2020 00:26

Tgt Ion:106 Resp: 2142
Ion Ratio Lower Upper
106 100
91 219.1 163.3 244.9





#70

Styrene

Concen: 1.677 ug/l

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20201119

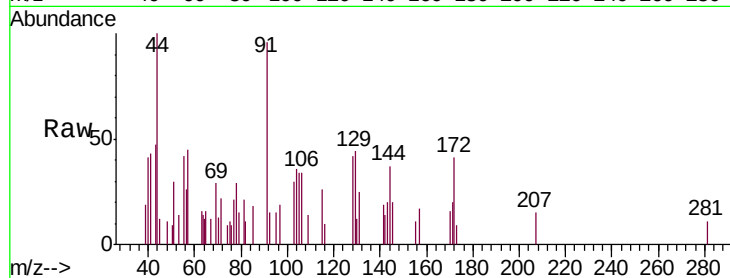
Tgt Ion:104 Resp: 381

Ion Ratio Lower Upper

104 100

78 105.0 39.5 59.3#

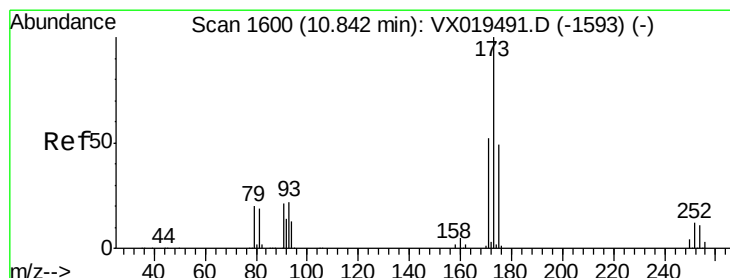
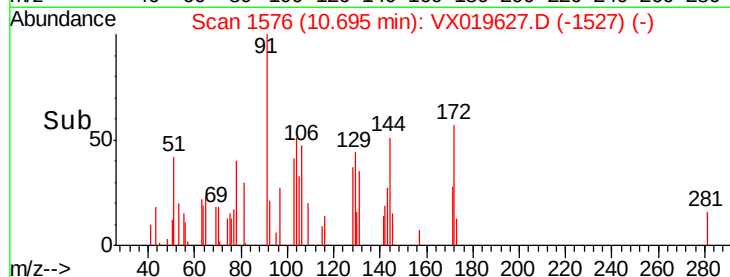
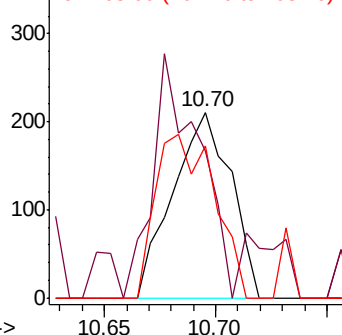
103 89.5 43.6 65.4#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 3.640 ug/l

RT: 10.82 min Scan# 1596

Delta R.T. -0.02 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

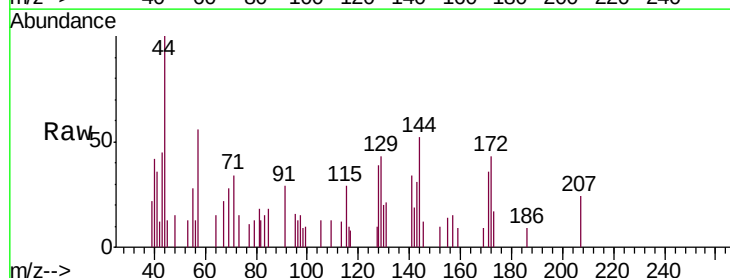
Tgt Ion:173 Resp: 124

Ion Ratio Lower Upper

173 100

175 0.0 24.9 74.8#

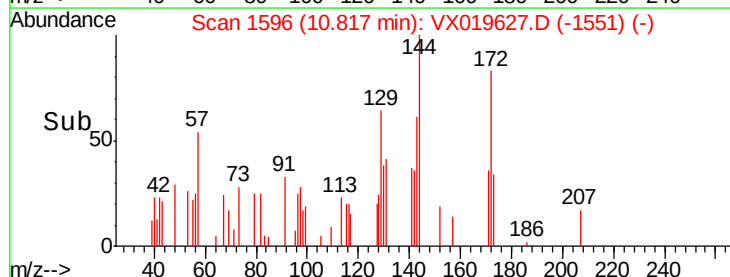
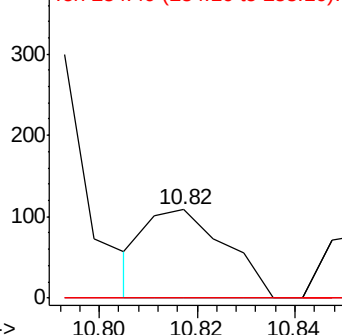
254 0.0 0.1 0.1#

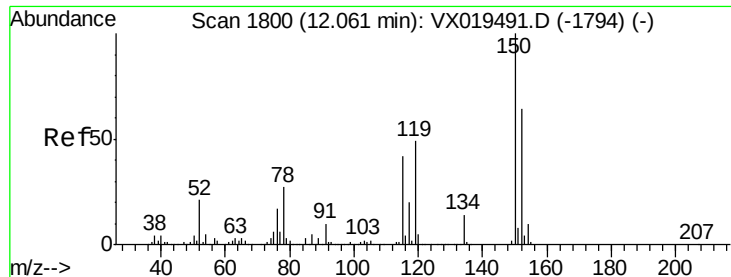


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

Instrument :

MSVOA_X

ClientSampleId :

WEST-DITCH-IN-20201119

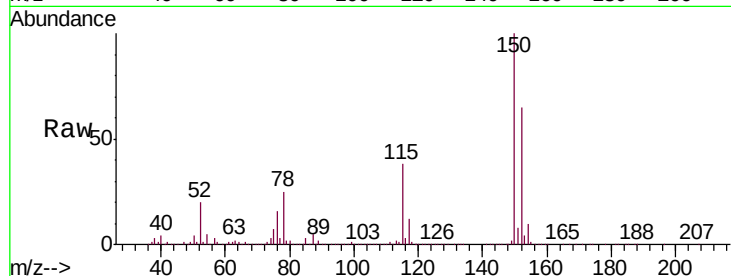
Tgt Ion:152 Resp: 224823

Ion Ratio Lower Upper

152 100

115 59.1 41.8 125.4

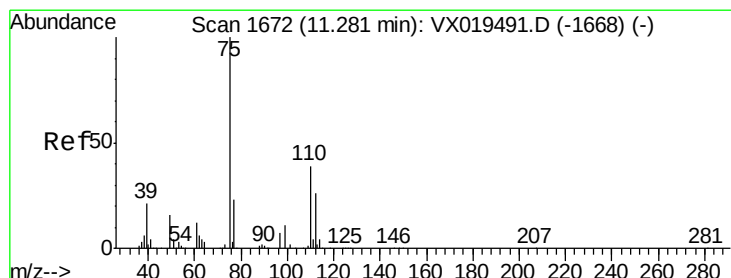
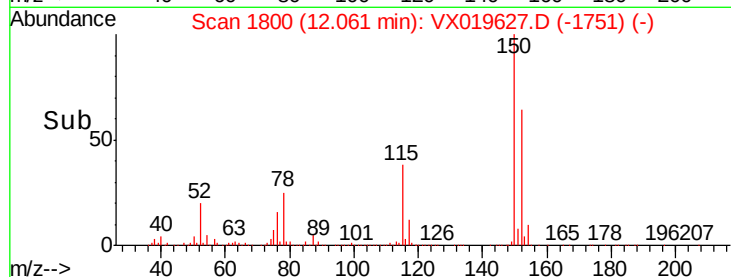
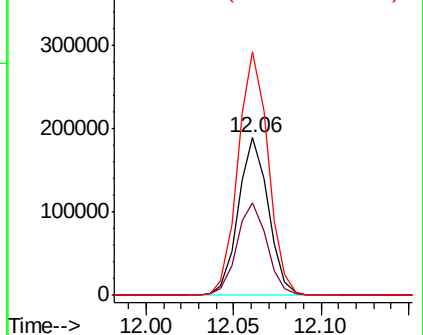
150 156.5 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.827 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019627.D

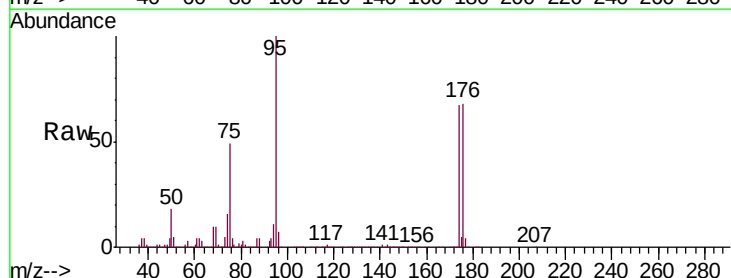
Acq: 25 Nov 2020 00:26

Tgt Ion: 75 Resp: 116905

Ion Ratio Lower Upper

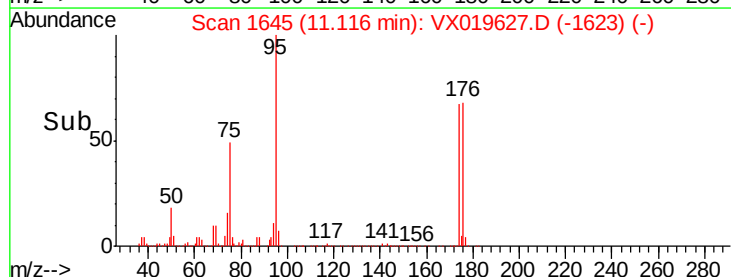
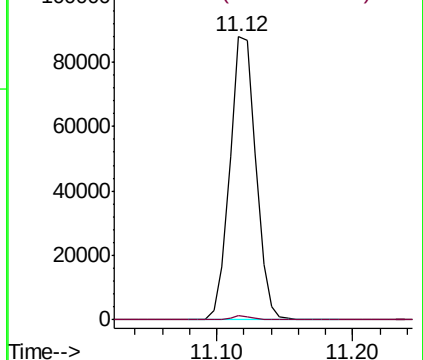
75 100

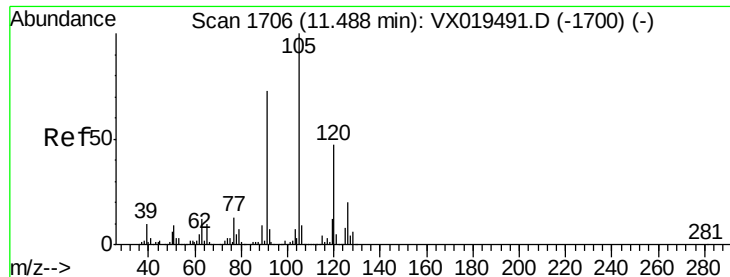
77 1.3 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.262 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

Instrument :

MSVOA_X

ClientSampleId :

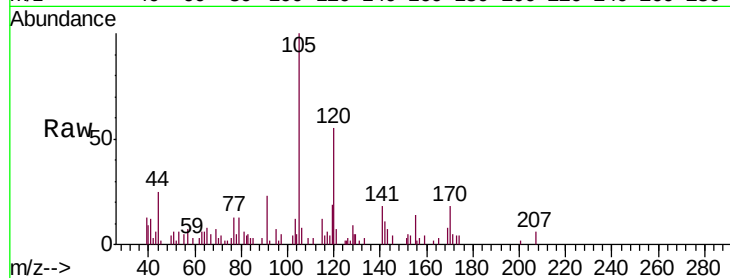
WEST-DITCH-IN-20201119

Tgt Ion:105 Resp: 3419

Ion Ratio Lower Upper

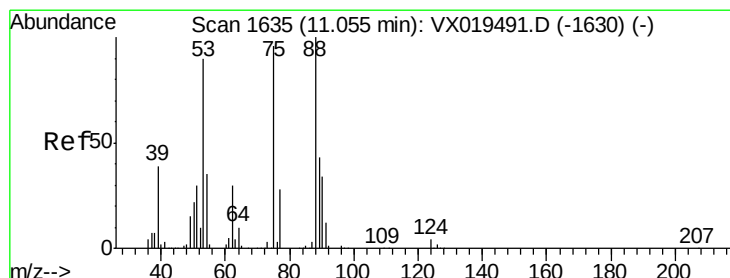
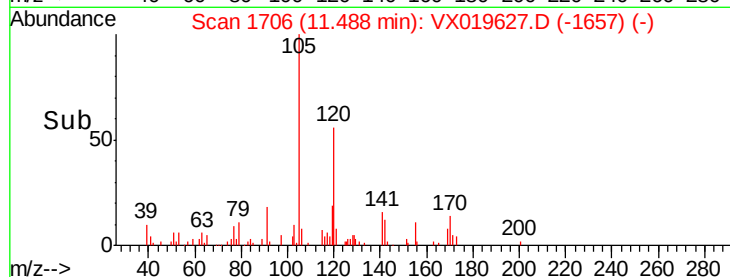
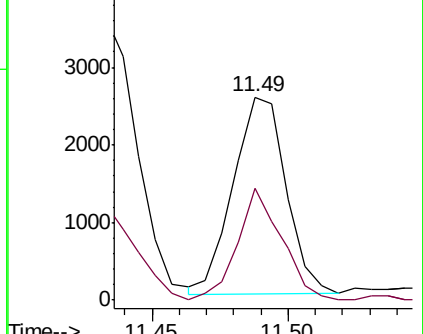
105 100

120 47.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 63.140 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019627.D

Acq: 25 Nov 2020 00:26

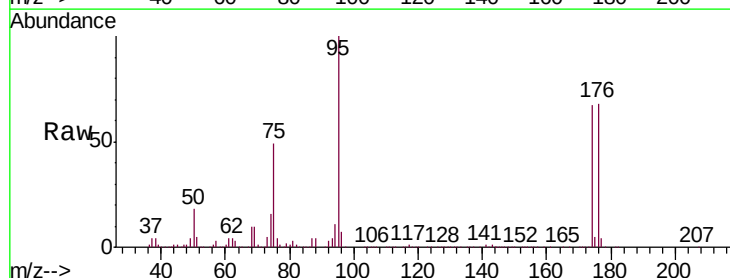
Tgt Ion: 75 Resp: 116905

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

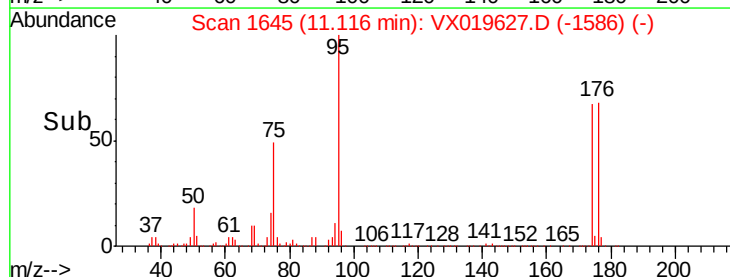
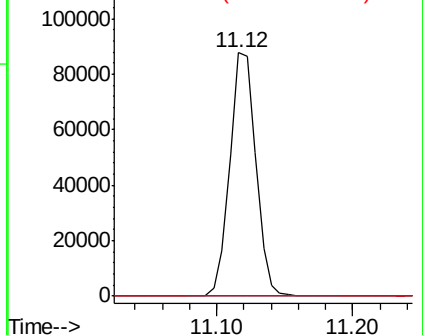
89 0.0 37.3 55.9#

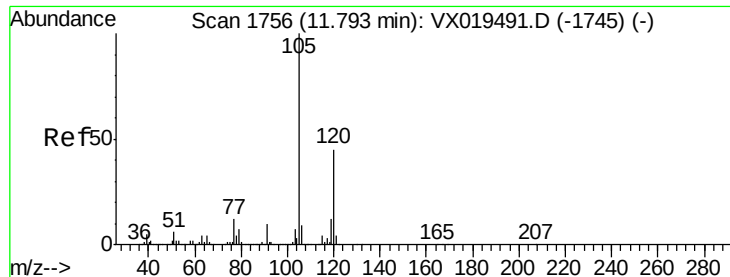


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

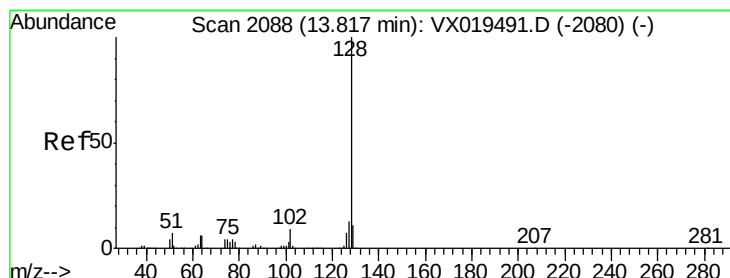
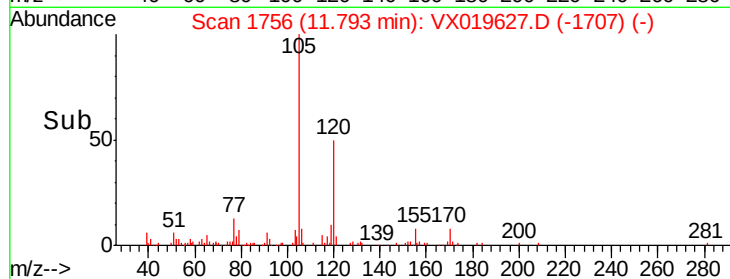
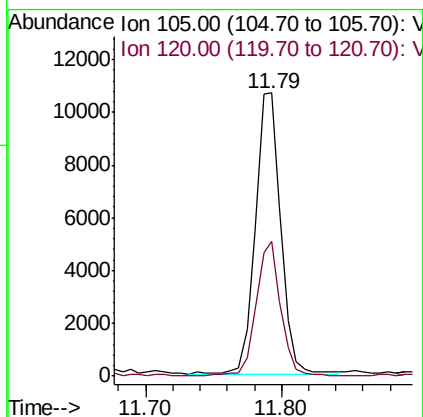
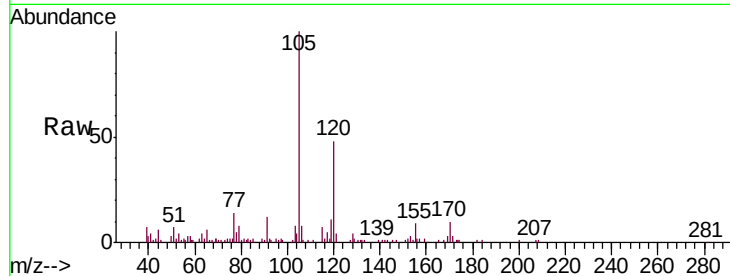




#84
 1,2,4-Trimethylbenzene
 Concen: 1.063 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX019627.D
 Acq: 25 Nov 2020 00:26

Instrument :
 MSVOA_X
 ClientSampleId :
 WEST-DITCH-IN-20201119

Tgt Ion:105 Resp: 14027
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.2 66.6



#95
 Naphthalene
 Concen: 3.311 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX019627.D
 Acq: 25 Nov 2020 00:26

Tgt Ion:128 Resp: 19650
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.3 15.5
 129 13.3 8.7 13.1#

