

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016643.D
 Acq On : 08 Jun 2020 17:34
 Operator : JC/SP
 Sample : PB129340ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#10

Quant Time: Jun 09 05:47:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	231329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	373154	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	375392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	188667	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	135210	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	5.46	113	113226	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	8.70	98	456521	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.12	95	184800	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	

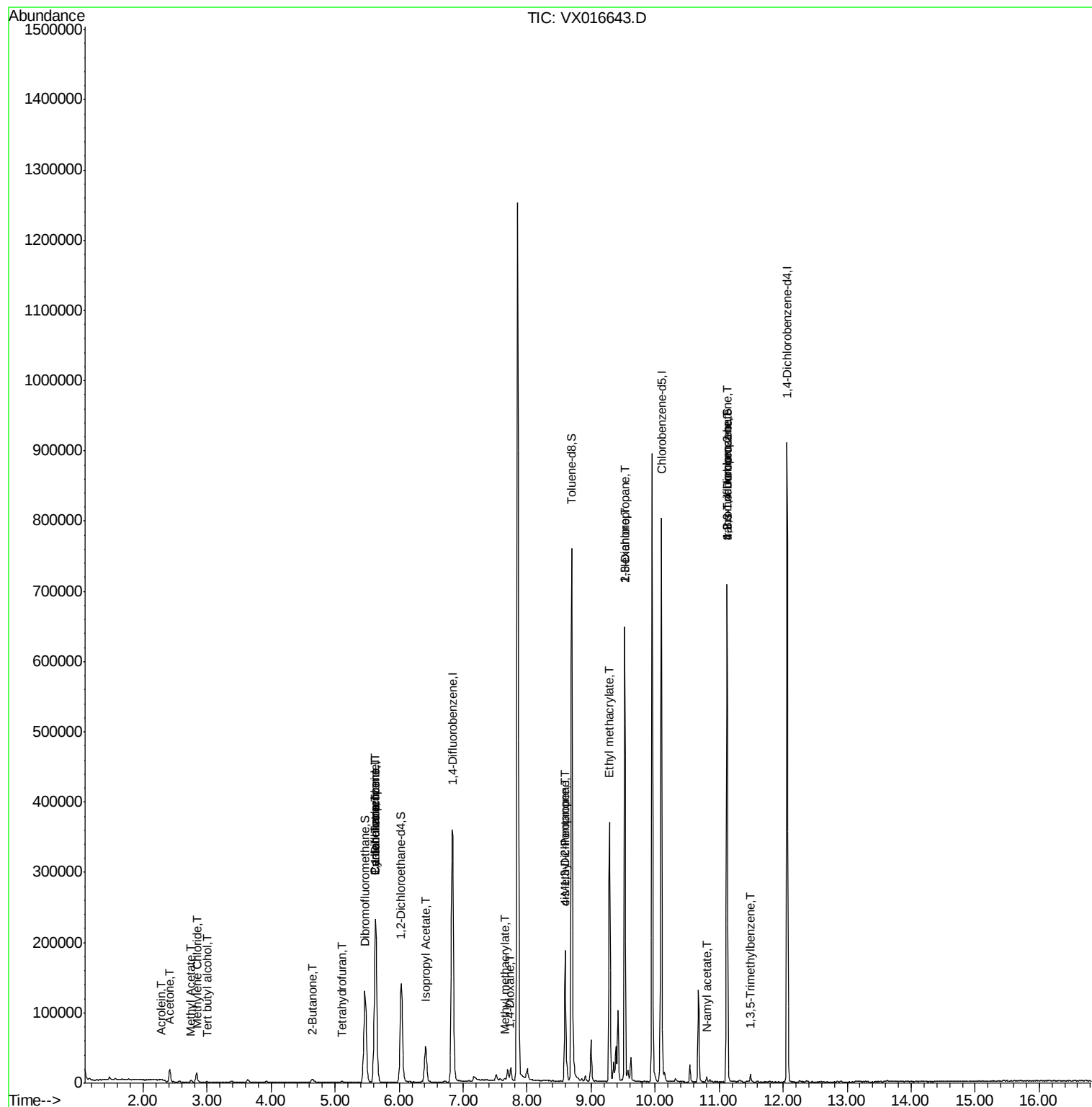
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	875	1.19	ug/l #	79
13) Acrolein	2.28	56	390	1.24	ug/l #	57
16) Acetone	2.42	43	18280	14.52	ug/l	100
18) Methyl Acetate	2.75	43	3439	1.07	ug/l	96
20) Methylene Chloride	2.83	84	6023	2.31	ug/l	92
25) 2-Butanone	4.64	43	4477	2.10	ug/l #	79
29) Tetrahydrofuran	5.10	42	1672	1.21	ug/l #	75
31) Cyclohexane	5.64	56	4073	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	15751	4.46	ug/l #	52
38) Carbon Tetrachloride	5.64	117	21608	5.82	ug/l #	16
43) Isopropyl Acetate	6.42	43	66446	10.04	ug/l	97
48) Methyl methacrylate	7.65	41	3673	1.16	ug/l #	14
49) 1,4-Dioxane	7.73	88	39	0.53	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	65340	15.86	ug/l #	46
54) cis-1,3-Dichloropropene	8.60	75	31409	7.01	ug/l #	60
56) Ethyl methacrylate	9.29	69	1050	0.24	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	5832	1.29	ug/l #	42
59) 2-Hexanone	9.52	43	67538	21.08	ug/l #	48
74) N-amyl acetate	10.80	43	3308	0.55	ug/l #	45
76) 1,2,3-Trichloropropane	11.12	75	89527	21.59	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.49	105	5005	0.46	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.12	75	89527	53.10	ug/l #	14

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

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

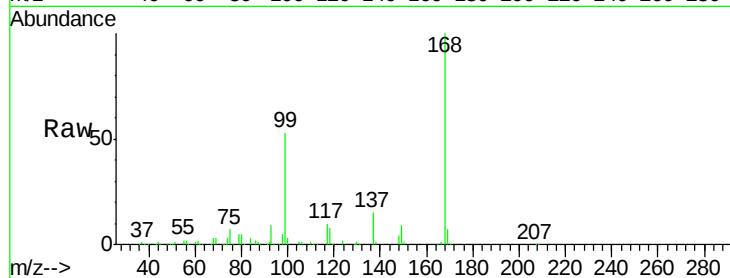
PB129340ZHE#10

Tgt Ion:168 Resp: 231329

Ion Ratio Lower Upper

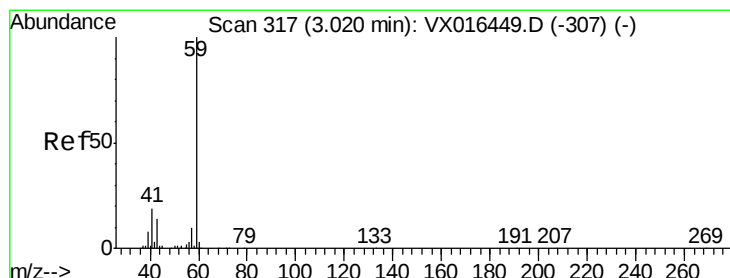
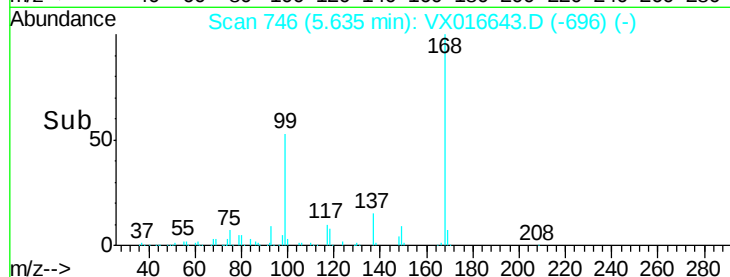
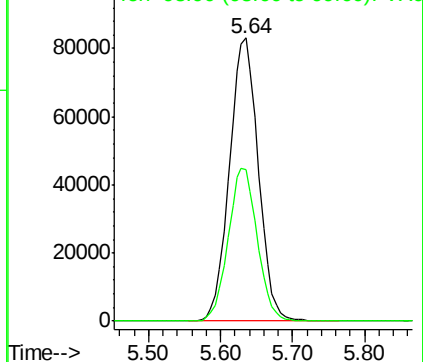
168 100

99 53.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 1.19 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016643.D

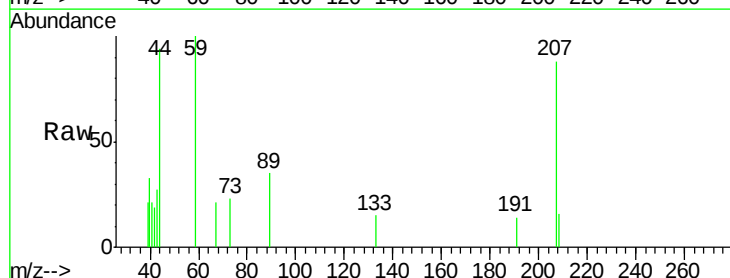
Acq: 08 Jun 2020 17:34

Tgt Ion: 59 Resp: 875

Ion Ratio Lower Upper

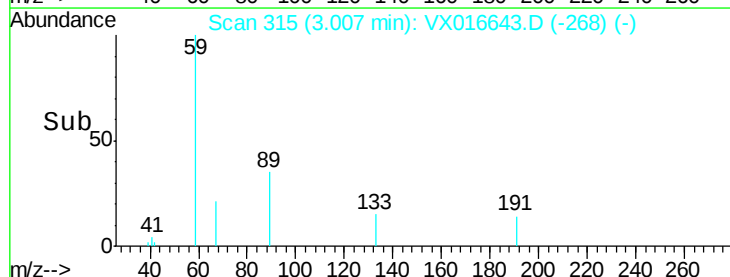
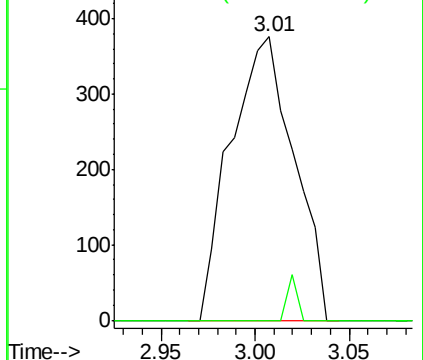
59 100

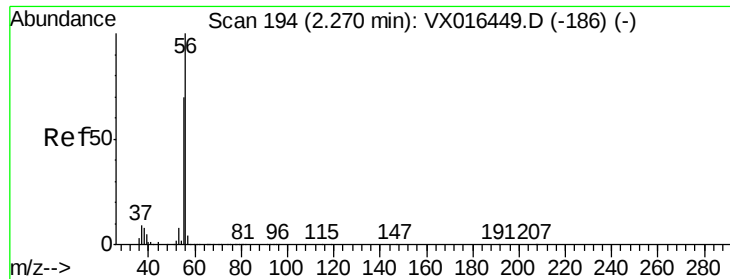
57 2.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.24 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

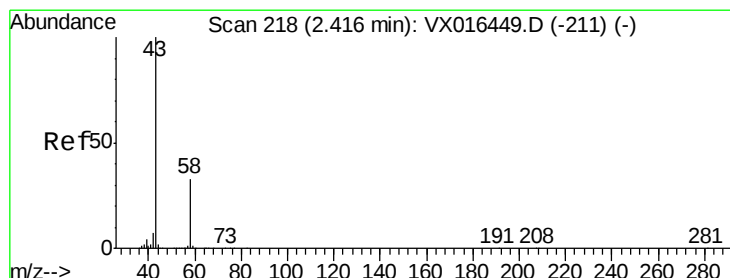
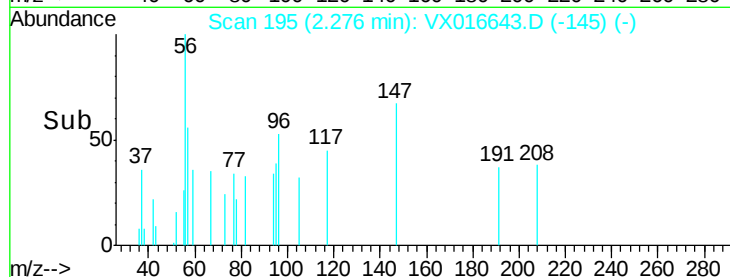
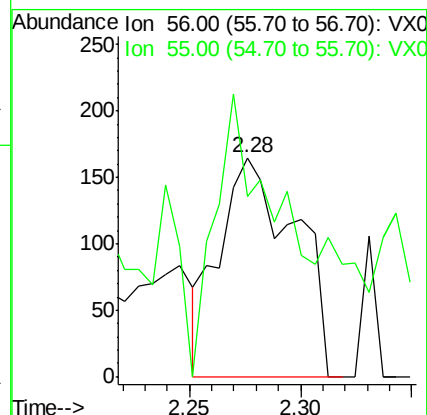
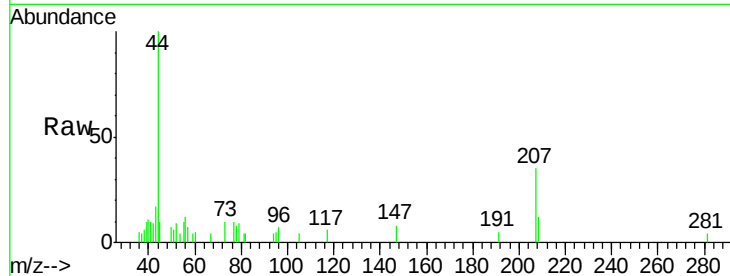
PB129340ZHE#10

Tgt Ion: 56 Resp: 390

Ion Ratio Lower Upper

56 100

55 108.7 58.3 87.5#



#16

Acetone

Concen: 14.52 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016643.D

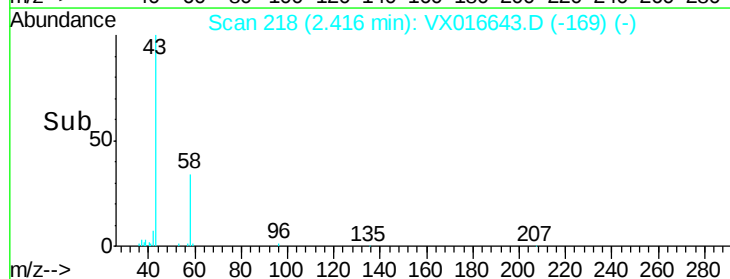
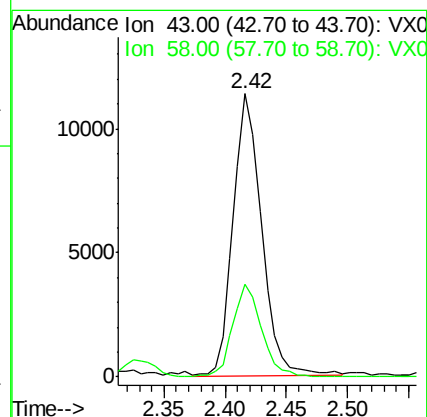
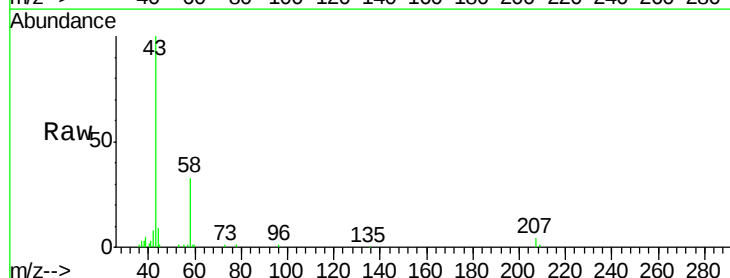
Acq: 08 Jun 2020 17:34

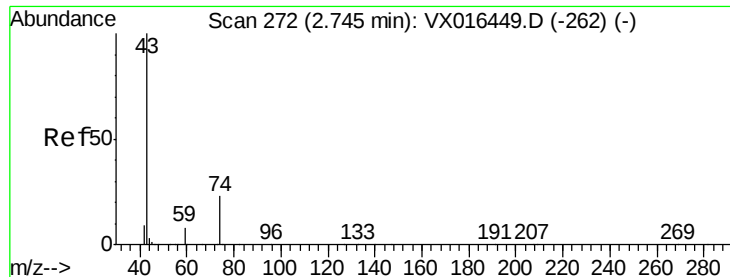
Tgt Ion: 43 Resp: 18280

Ion Ratio Lower Upper

43 100

58 32.8 26.1 39.1





#18

Methyl Acetate

Concen: 1.07 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

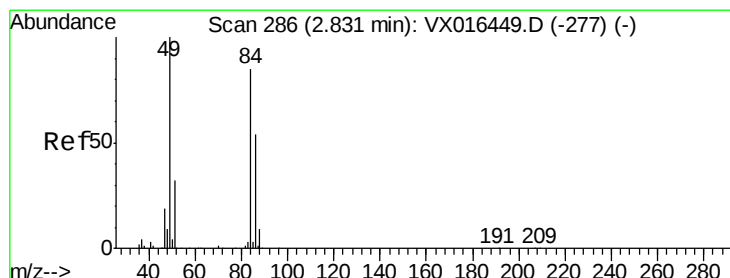
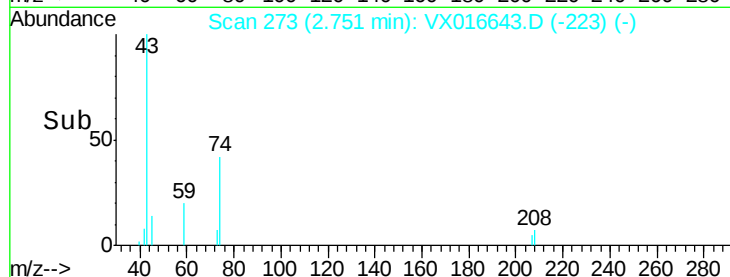
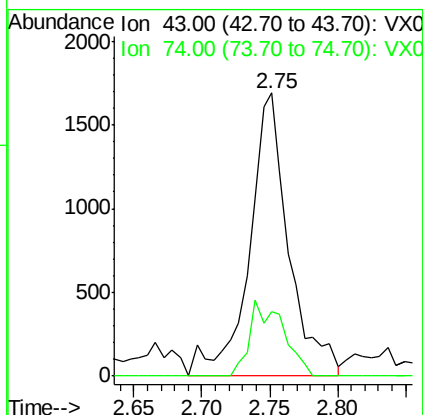
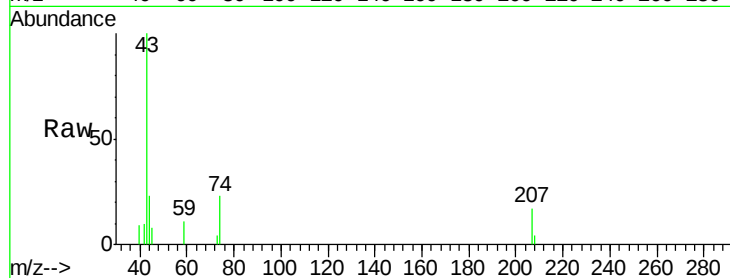
PB129340ZHE#10

Tgt Ion: 43 Resp: 3439

Ion Ratio Lower Upper

43 100

74 22.8 19.7 29.5



#20

Methylene Chloride

Concen: 2.31 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.00 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

Tgt Ion: 84 Resp: 6023

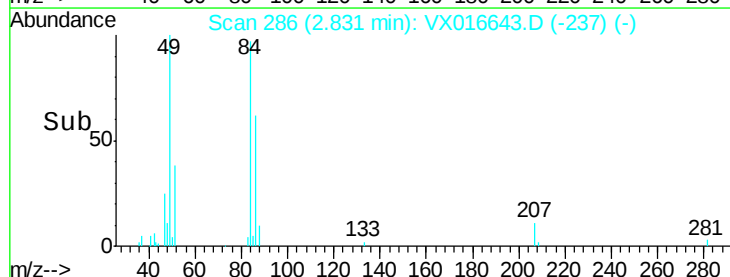
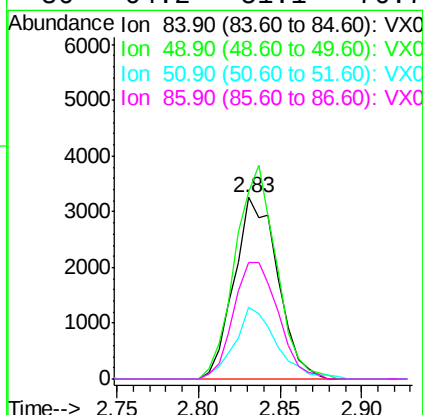
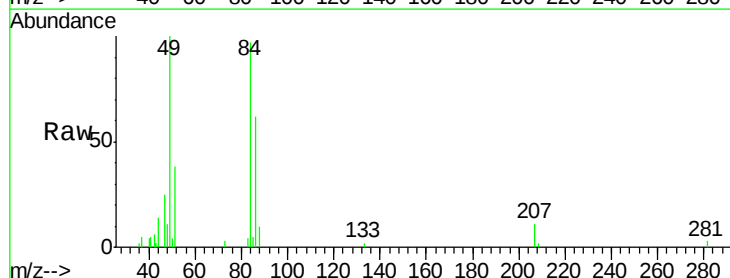
Ion Ratio Lower Upper

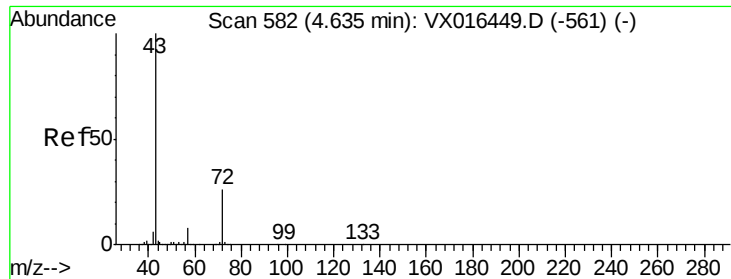
84 100

49 103.0 94.5 141.7

51 39.5 30.2 45.4

86 64.2 51.1 76.7





#25

2-Butanone

Concen: 2.10 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

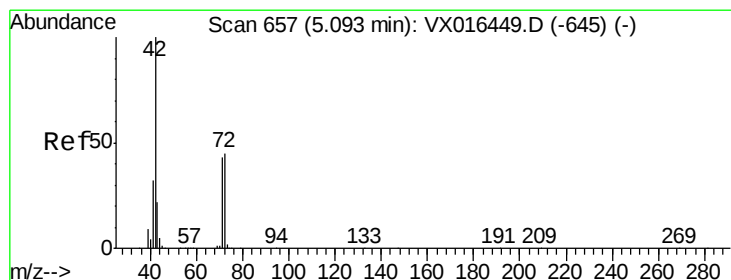
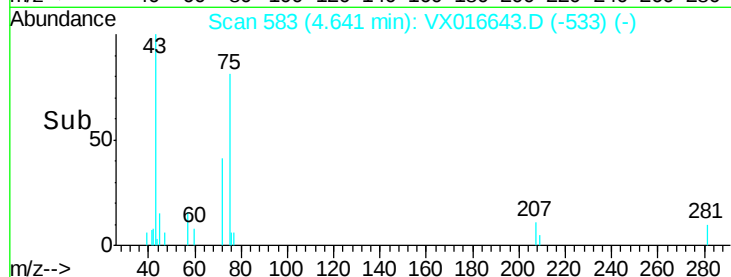
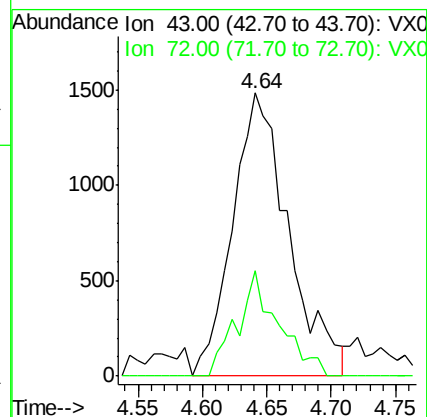
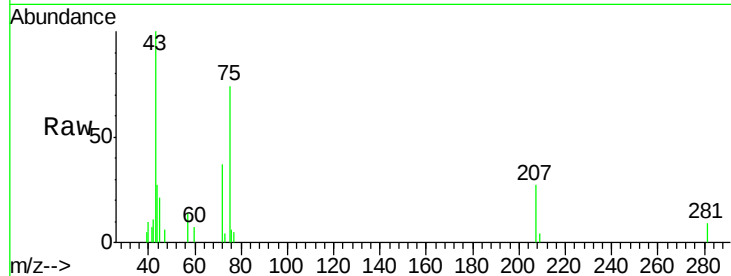
PB129340ZHE#10

Tgt Ion: 43 Resp: 4477

Ion Ratio Lower Upper

43 100

72 37.3 21.0 31.6#



#29

Tetrahydrofuran

Concen: 1.21 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

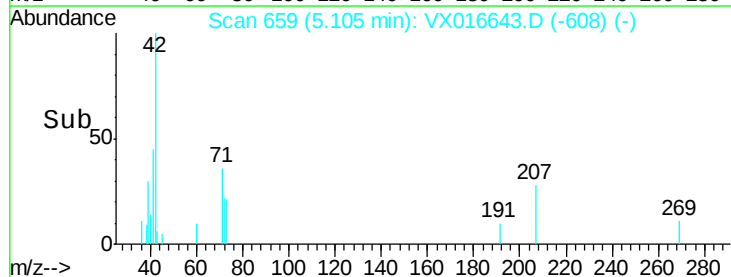
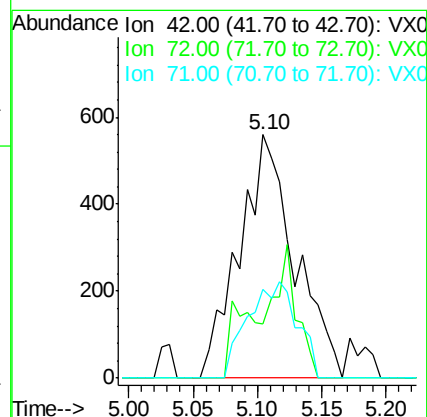
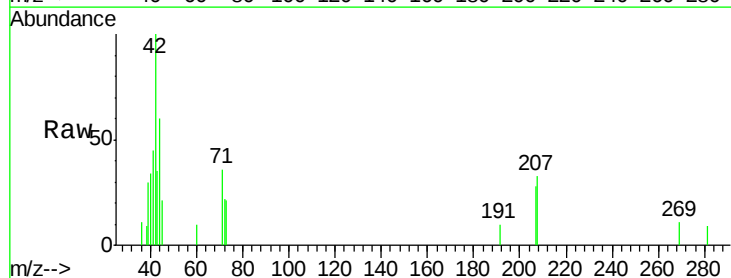
Tgt Ion: 42 Resp: 1672

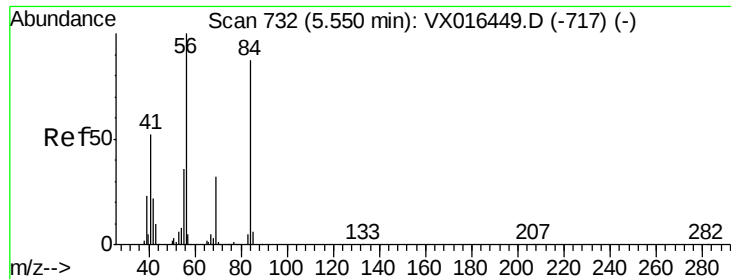
Ion Ratio Lower Upper

42 100

72 21.8 37.0 55.4#

71 35.3 34.1 51.1

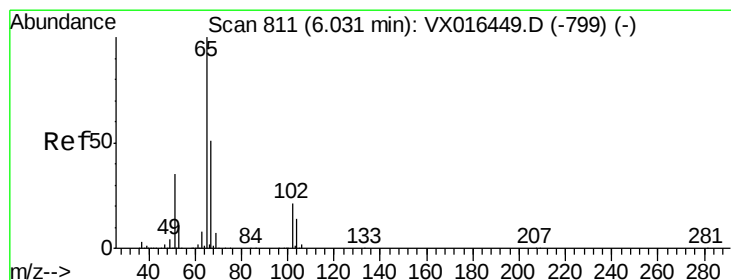
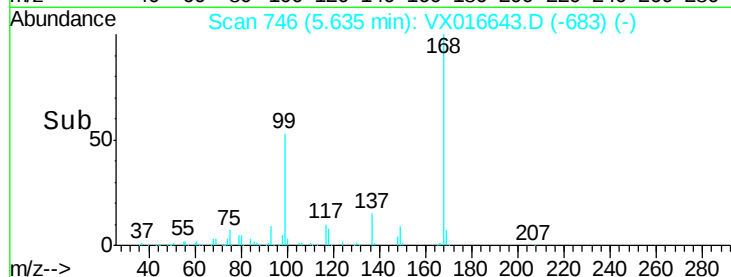
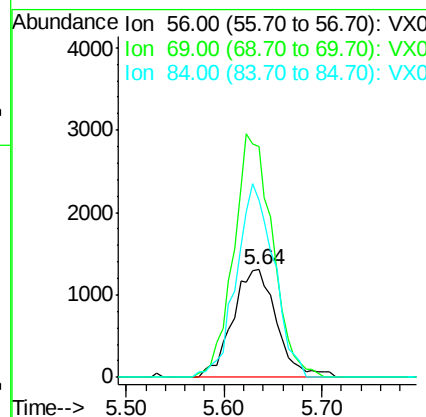
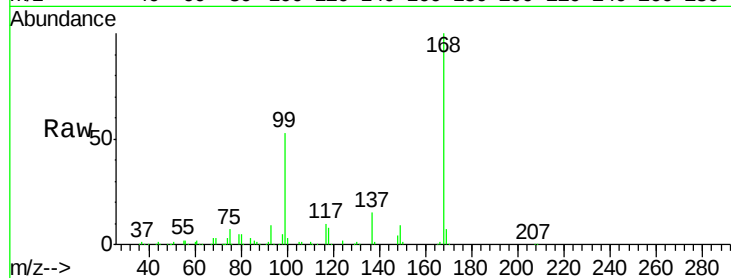




#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

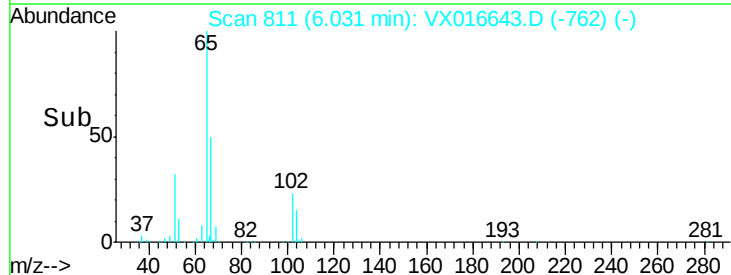
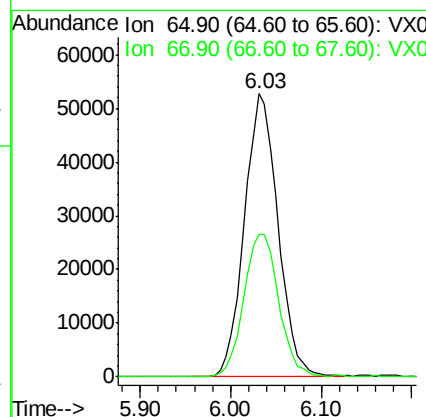
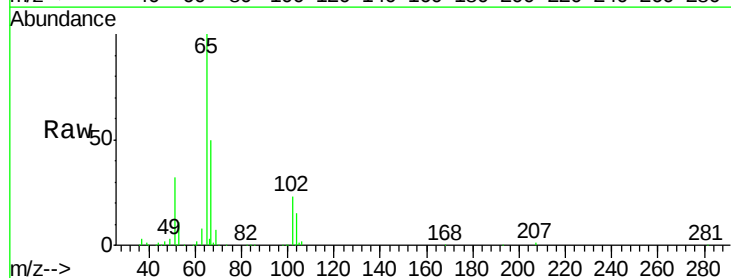
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#10

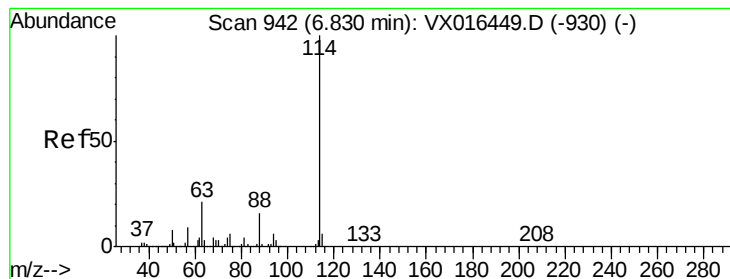
Tgt Ion: 56 Resp: 4073
Ion Ratio Lower Upper
56 100
69 214.4 25.7 38.5#
84 165.0 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 47.07 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

Tgt Ion: 65 Resp: 135210
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#10

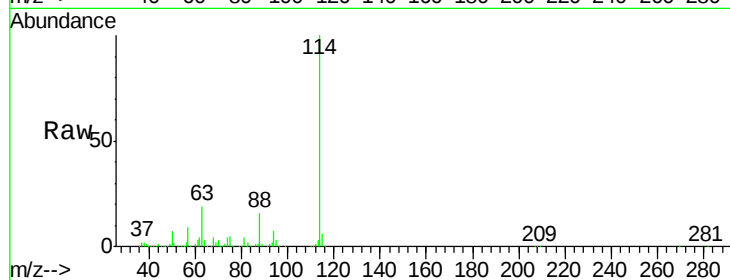
Tgt Ion:114 Resp: 373154

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.6

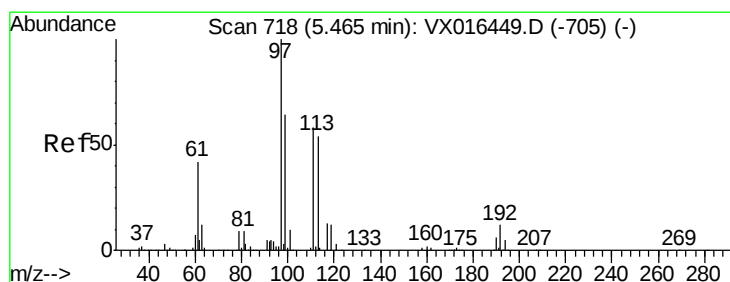
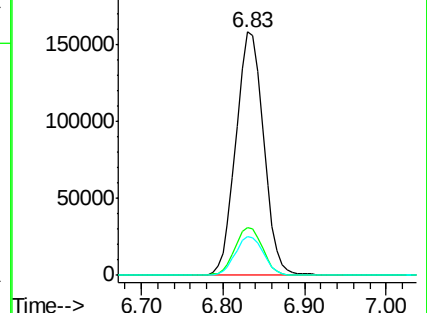
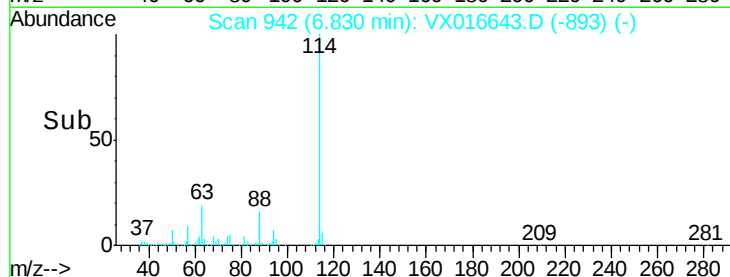
88 16.0 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.28 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

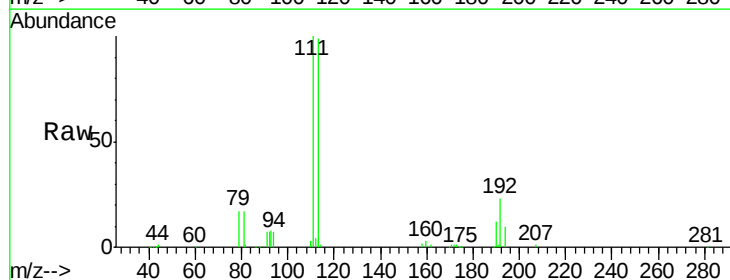
Tgt Ion:113 Resp: 113226

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

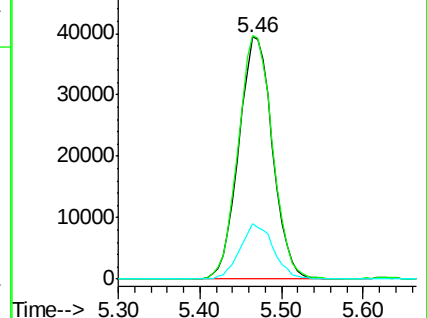
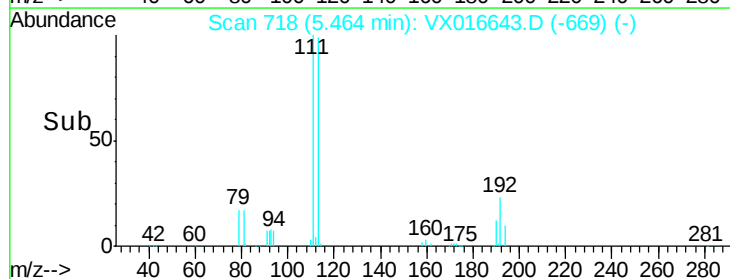
192 22.7 17.7 26.5

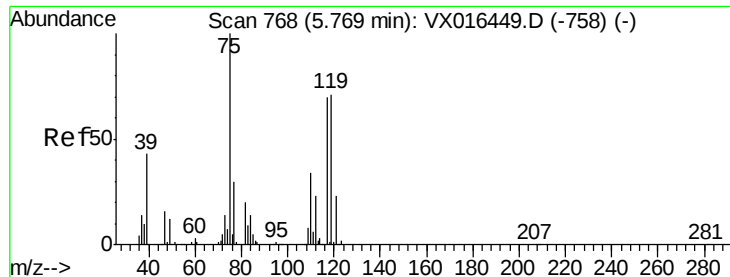


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.46 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#10

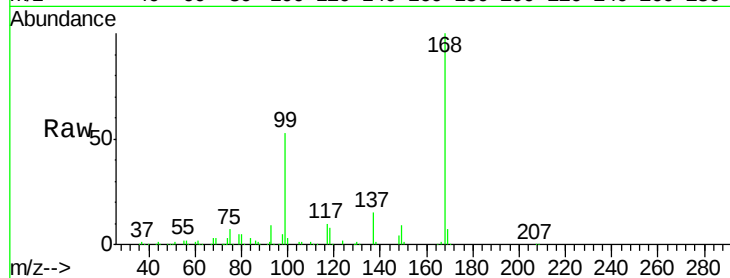
Tgt Ion: 75 Resp: 15751

Ion Ratio Lower Upper

75 100

110 10.4 17.4 52.3#

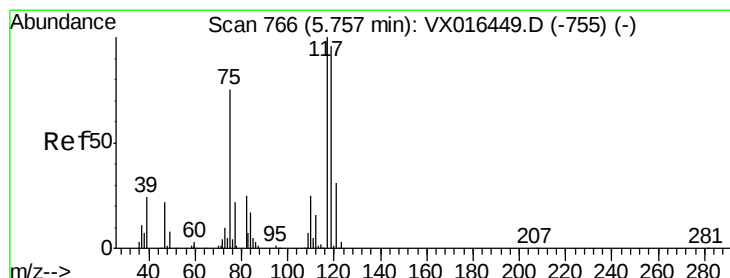
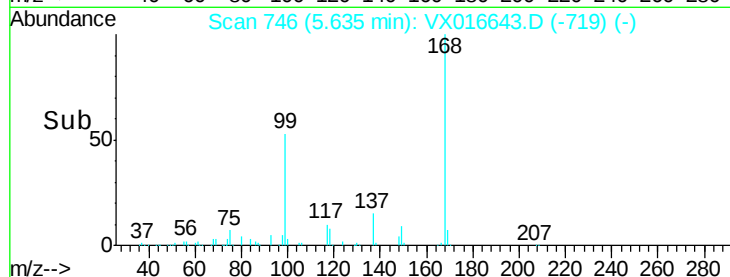
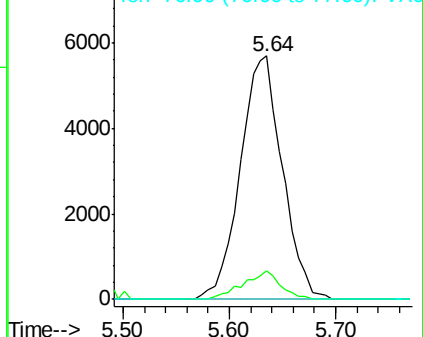
77 0.0 24.2 36.4#



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: 5.82 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

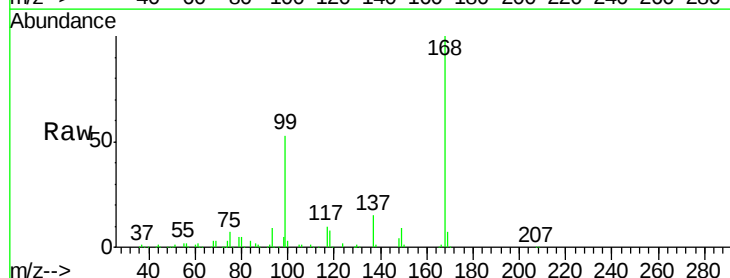
Tgt Ion: 117 Resp: 21608

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

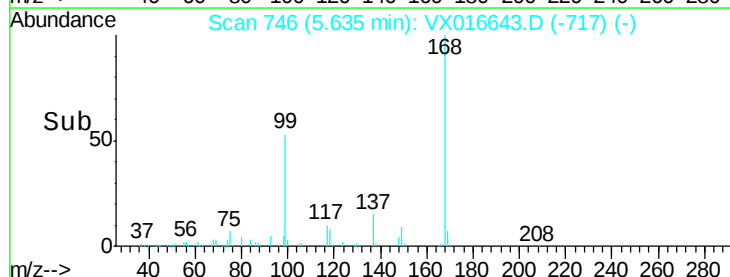
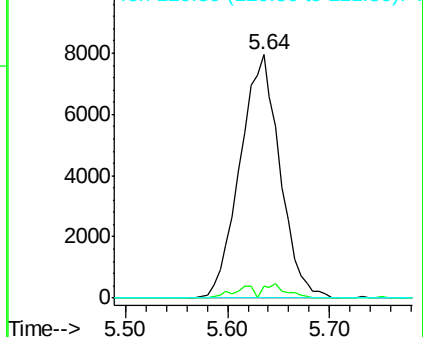
121 0.0 24.6 37.0#

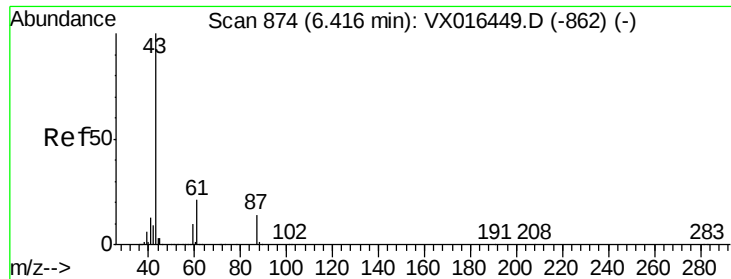


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

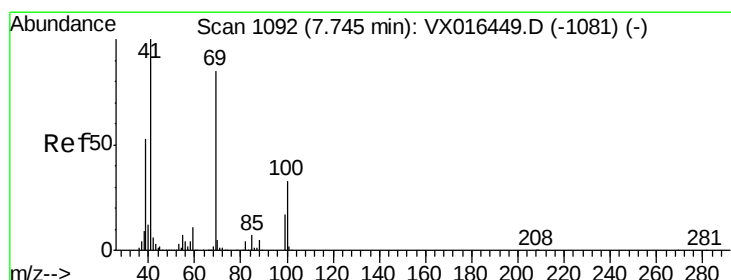
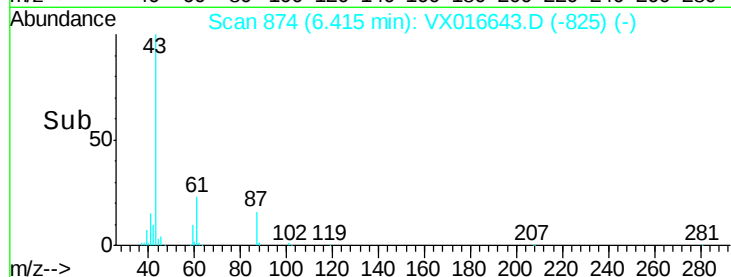
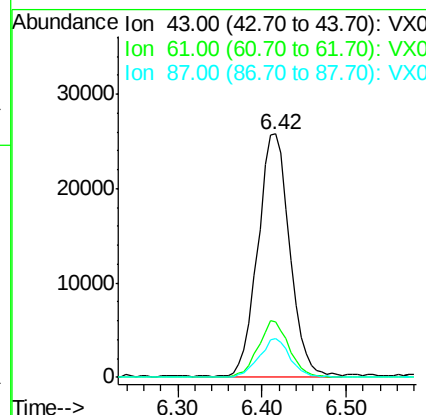
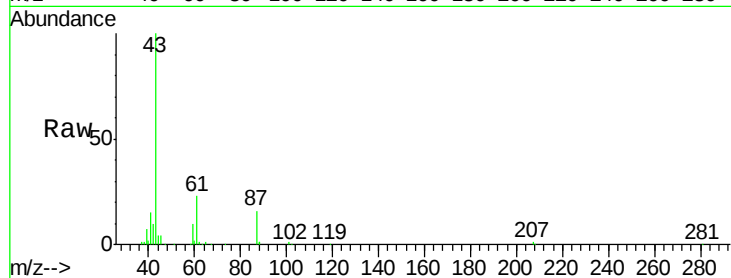




#43
Isopropyl Acetate
Concen: 10.04 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

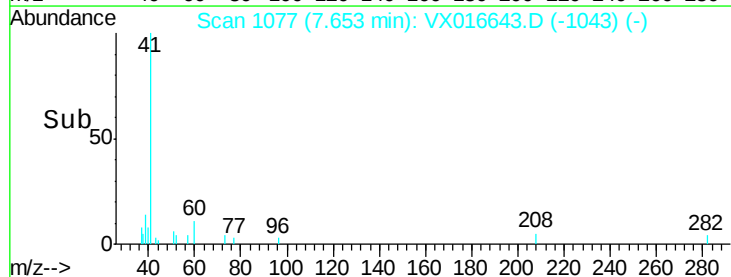
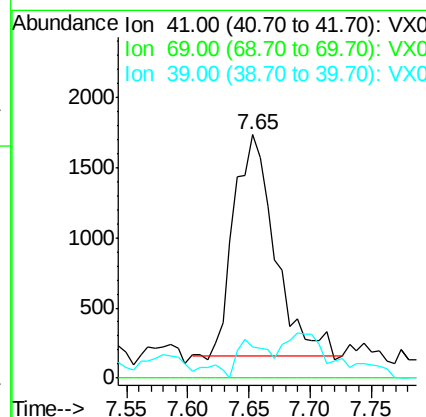
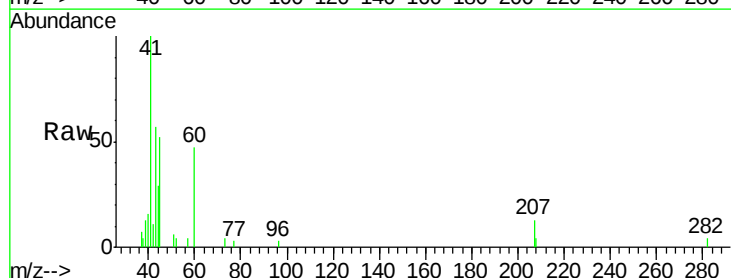
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#10

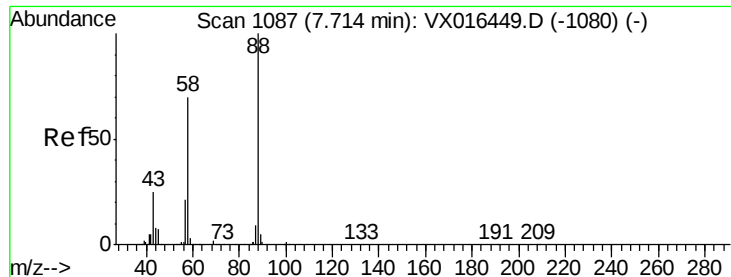
Tgt Ion: 43 Resp: 66446
Ion Ratio Lower Upper
43 100
61 22.5 16.8 25.2
87 15.6 11.2 16.8



#48
Methyl methacrylate
Concen: 1.16 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

Tgt Ion: 41 Resp: 3673
Ion Ratio Lower Upper
41 100
69 0.0 68.6 102.8#
39 0.0 42.4 63.6#

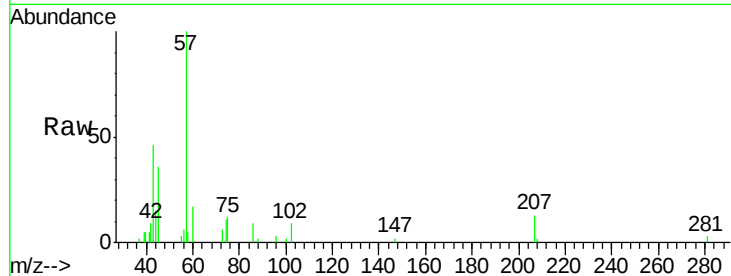




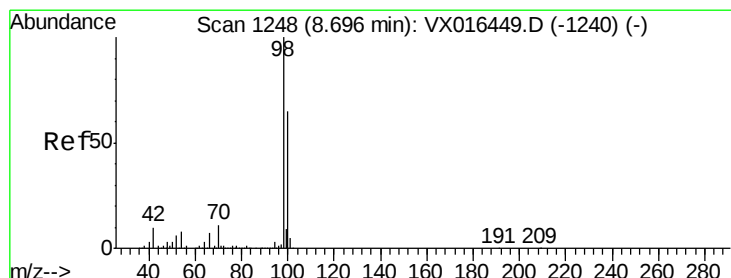
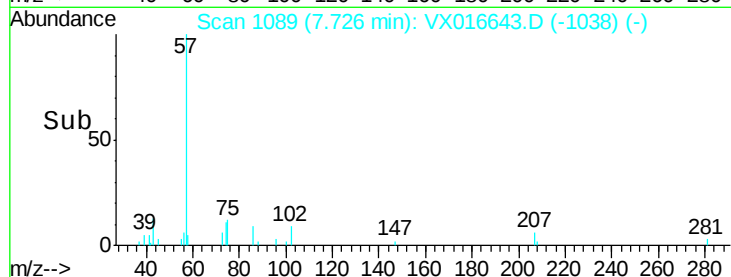
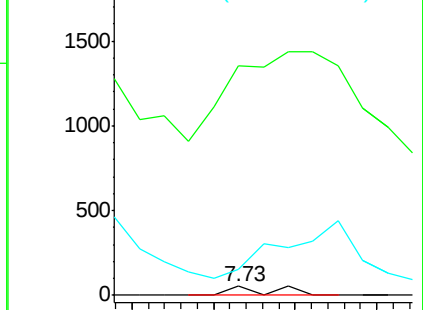
#49
1,4-Dioxane
Concen: 0.53 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#10

Tgt Ion: 88 Resp: 39
Ion Ratio Lower Upper
88 100
43 0.0 24.2 36.4#
58 0.0 56.5 84.7#

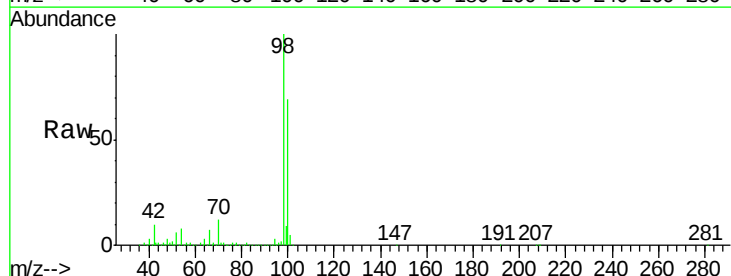


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

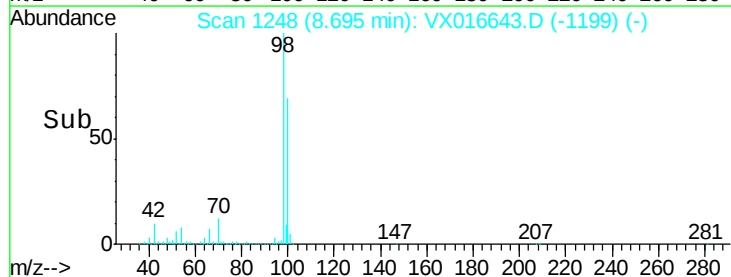
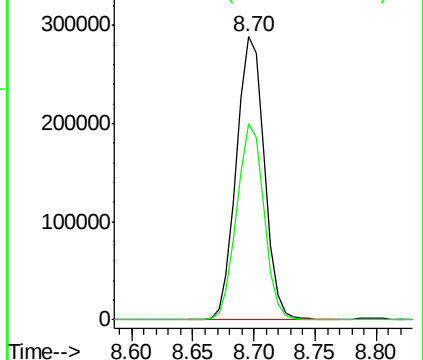


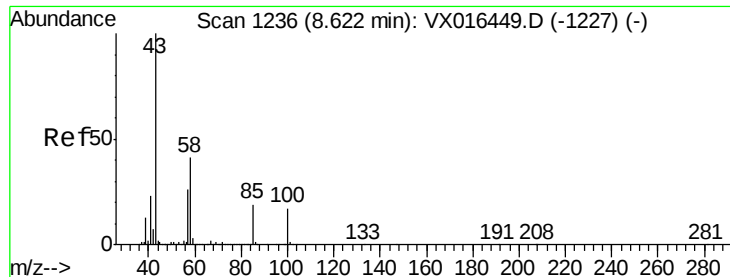
#50
Toluene-d8
Concen: 51.05 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

Tgt Ion: 98 Resp: 456521
Ion Ratio Lower Upper
98 100
100 67.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

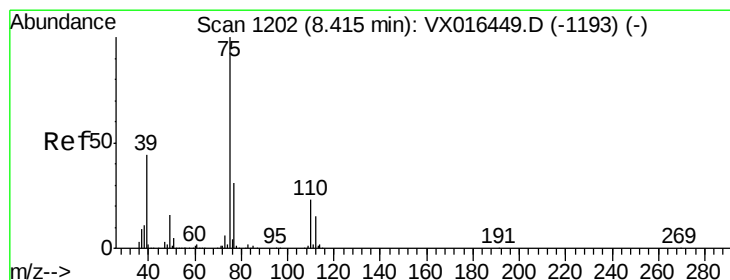
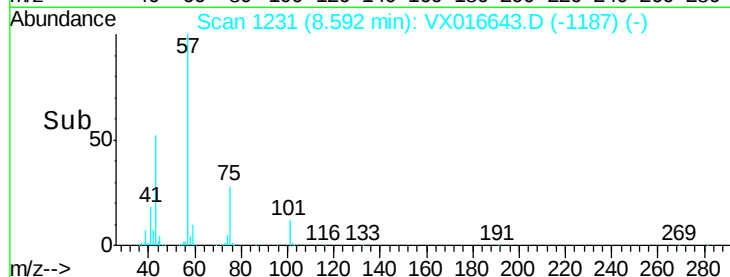
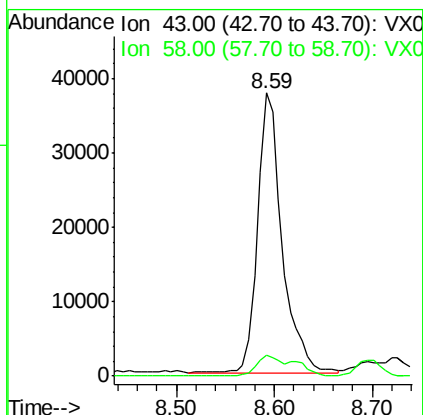
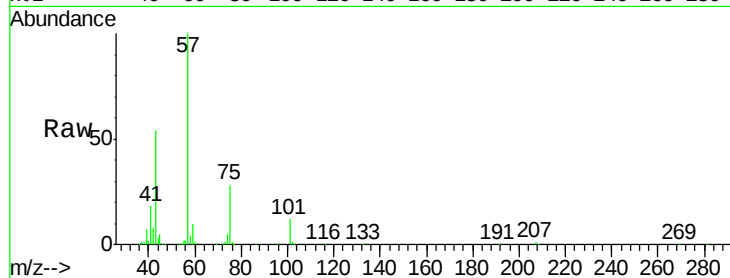




#51
 4-Methyl-2-Pentanone
 Concen: 15.86 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX016643.D
 Acq: 08 Jun 2020 17:34

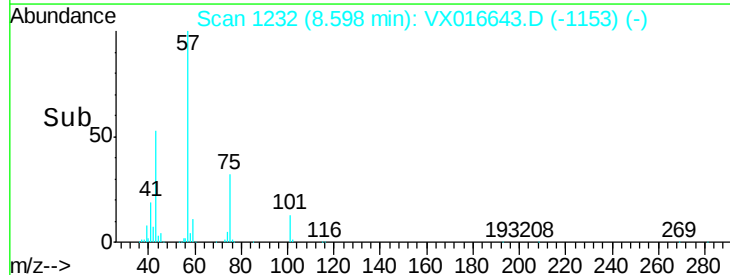
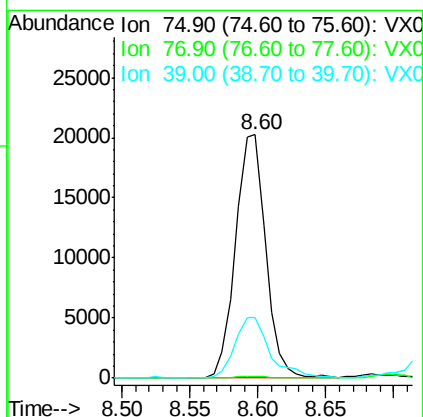
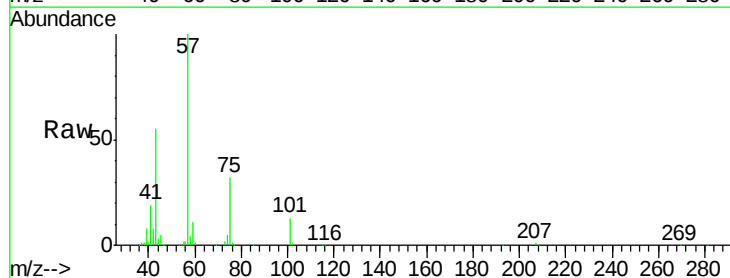
Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#10

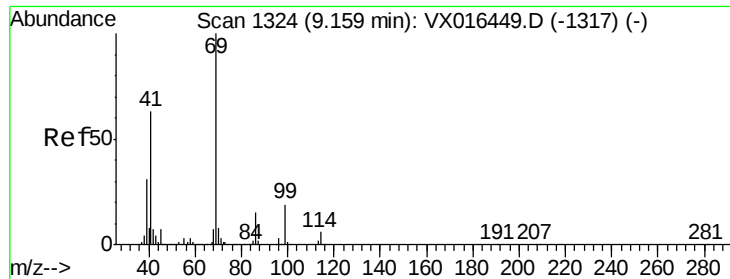
Tgt Ion: 43 Resp: 65340
 Ion Ratio Lower Upper
 43 100
 58 7.4 33.0 49.6#



#54
 cis-1,3-Dichloropropene
 Concen: 7.01 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX016643.D
 Acq: 08 Jun 2020 17:34

Tgt Ion: 75 Resp: 31409
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 36.8#
 39 24.9 35.3 52.9#





#56

Ethyl methacrylate

Concen: 0.24 ug/l

RT: 9.29 min Scan# 1345

Delta R.T. 0.13 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#10

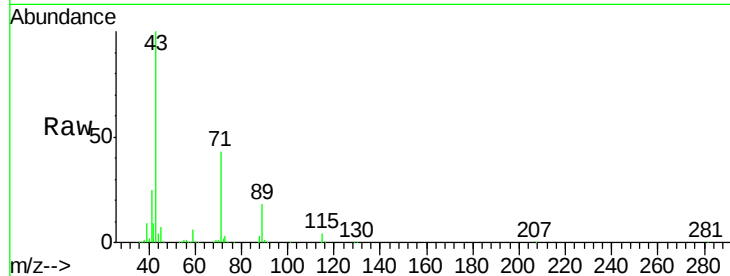
Tgt Ion: 69 Resp: 1050

Ion Ratio Lower Upper

69 100

41 4846.6 50.7 76.1#

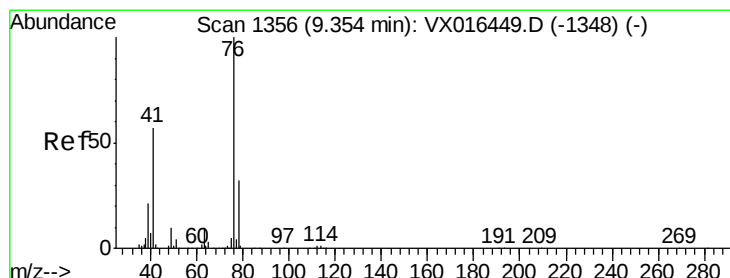
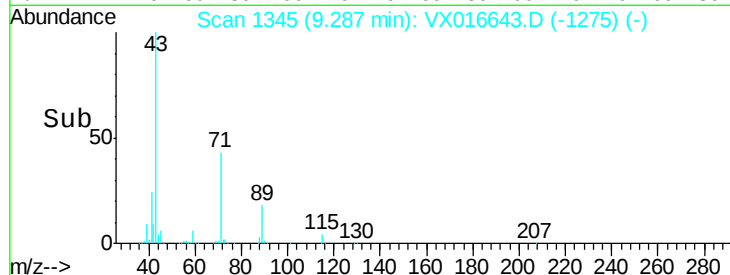
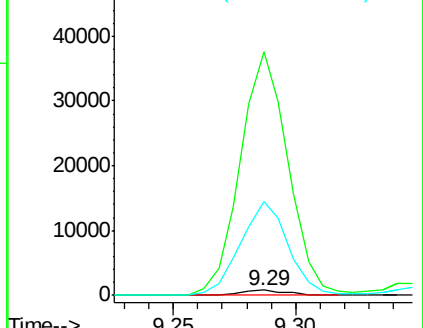
39 1891.0 25.8 38.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.29 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.17 min

Lab File: VX016643.D

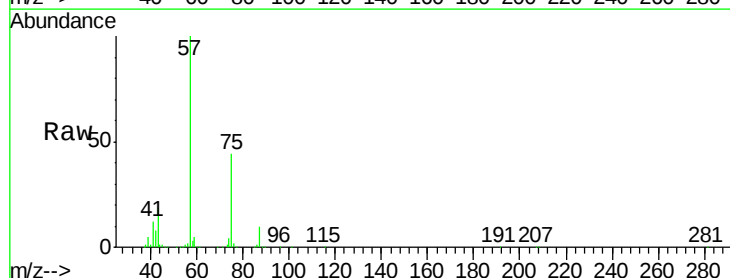
Acq: 08 Jun 2020 17:34

Tgt Ion: 76 Resp: 5832

Ion Ratio Lower Upper

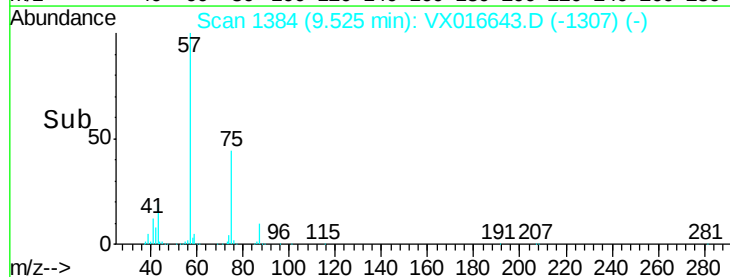
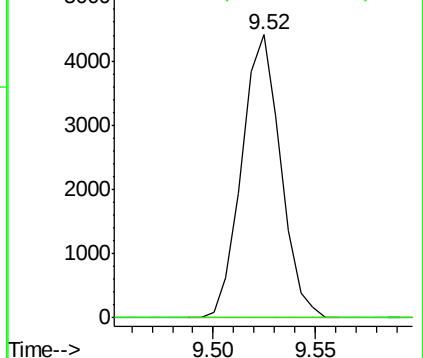
76 100

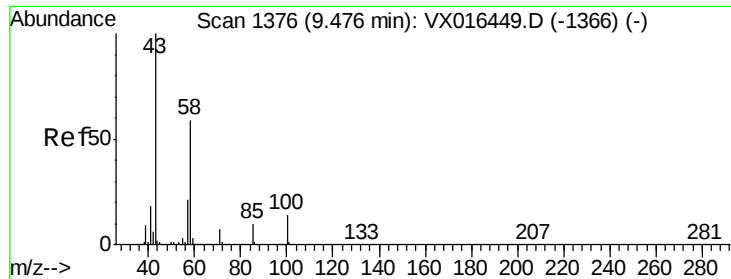
78 0.0 26.2 39.4#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

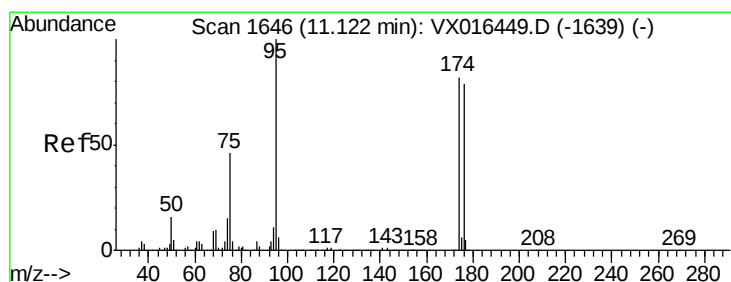
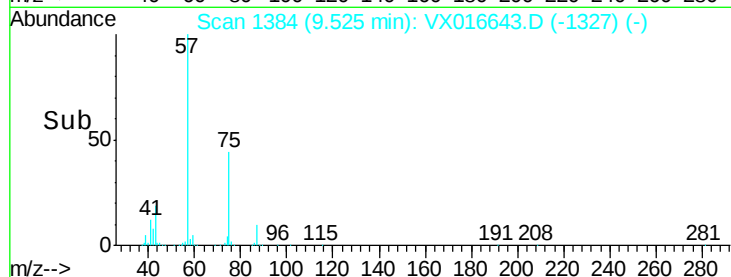
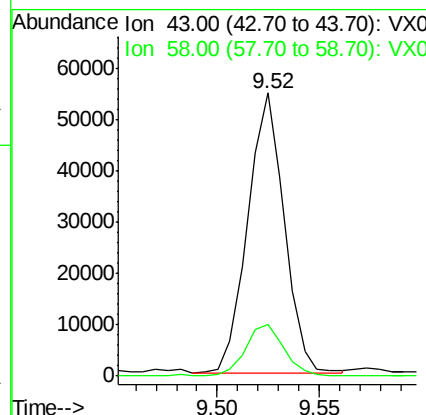
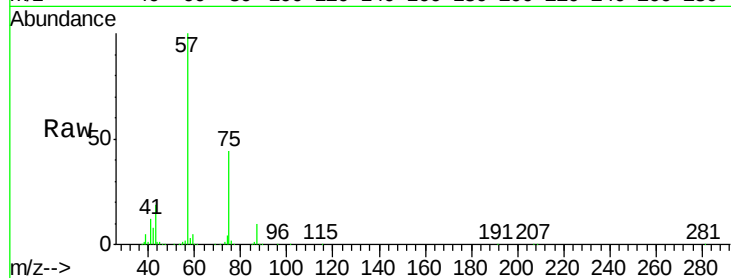




#59
2-Hexanone
Concen: 21.08 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

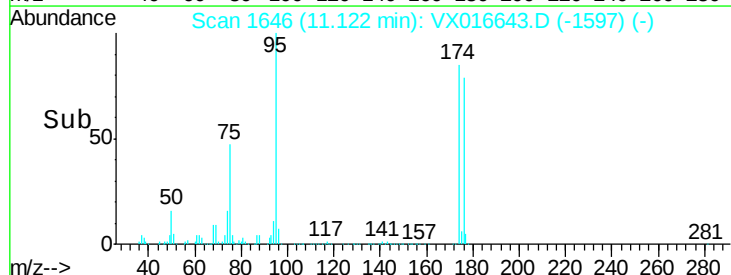
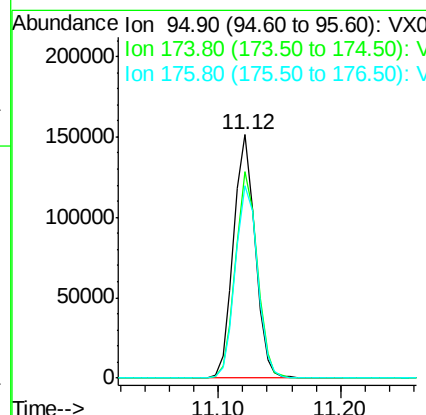
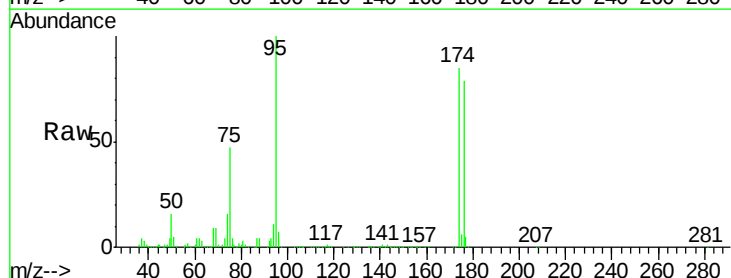
Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#10

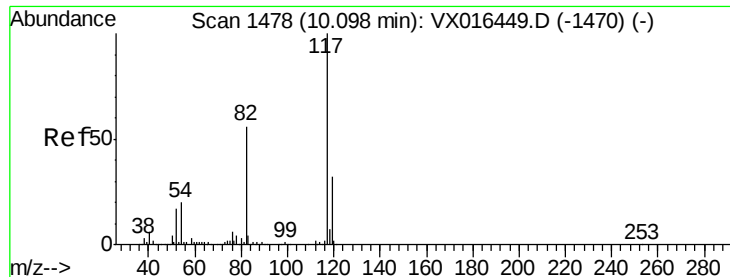
Tgt Ion: 43 Resp: 67538
Ion Ratio Lower Upper
43 100
58 19.2 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 53.48 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

Tgt Ion: 95 Resp: 184800
Ion Ratio Lower Upper
95 100
174 85.4 0.0 163.0
176 81.6 0.0 156.8

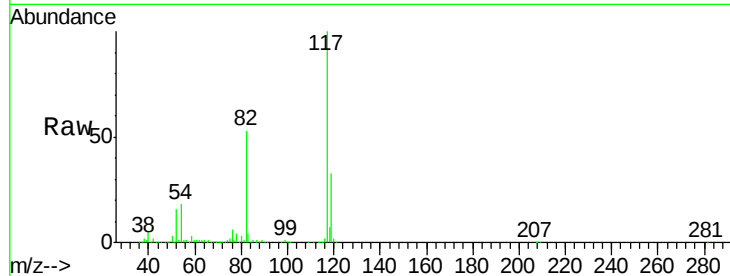




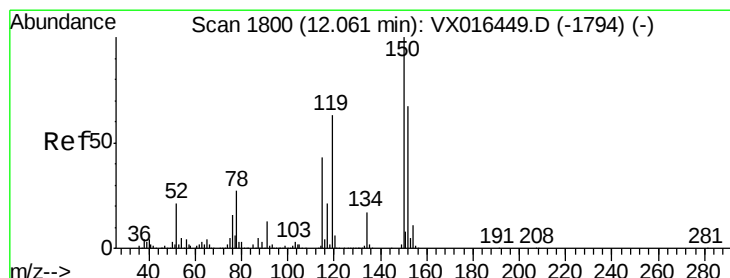
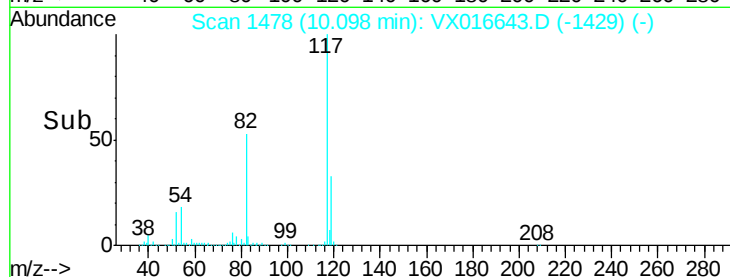
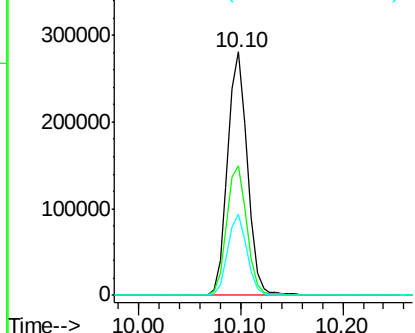
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

Instrument :
MSVOA_X
ClientSampleId :
PB129340ZHE#10

Tgt Ion:117 Resp: 375392
Ion Ratio Lower Upper
117 100
82 53.5 45.0 67.6
119 33.1 25.8 38.8

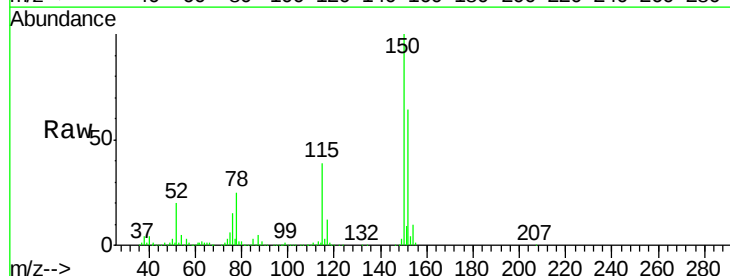


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

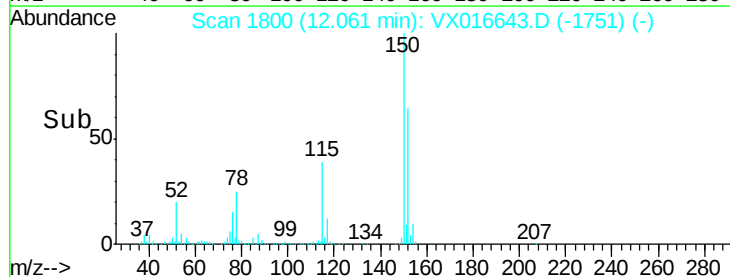
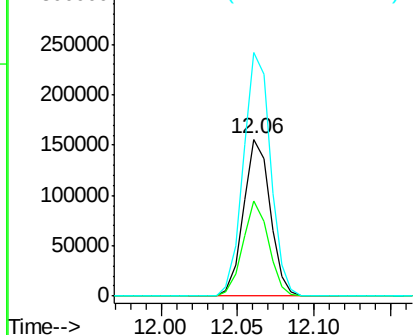


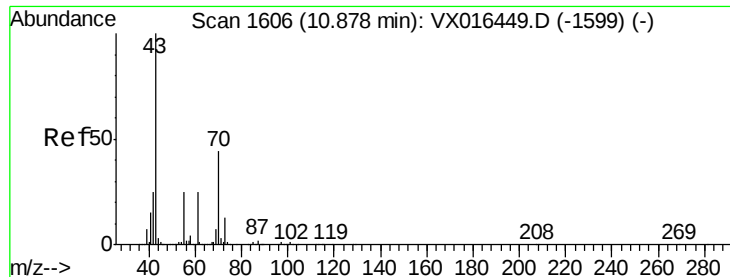
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016643.D
Acq: 08 Jun 2020 17:34

Tgt Ion:152 Resp: 188667
Ion Ratio Lower Upper
152 100
115 58.9 39.9 119.6
150 157.8 0.0 341.0



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





#74

N-ethyl acetate

Concen: 0.55 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX016643.D

Acq: 08 Jun 2020 17:34

Instrument :

MSVOA_X

ClientSampleId :

PB129340ZHE#10

Tgt Ion: 43 Resp: 3308

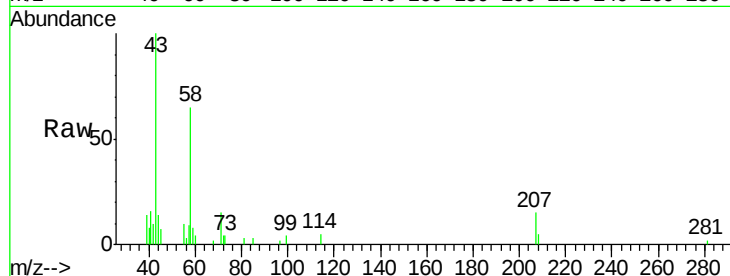
Ion Ratio Lower Upper

43 100

70 0.0 36.1 54.1#

55 8.0 20.2 30.4#

61 0.0 20.3 30.5#

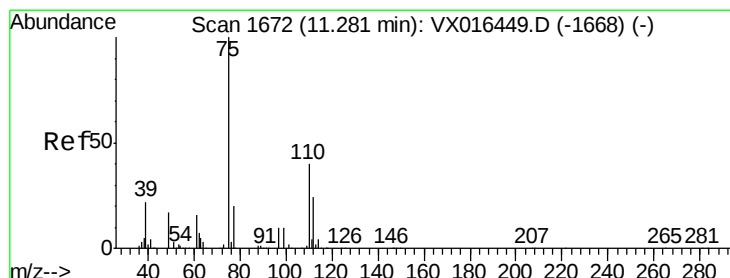
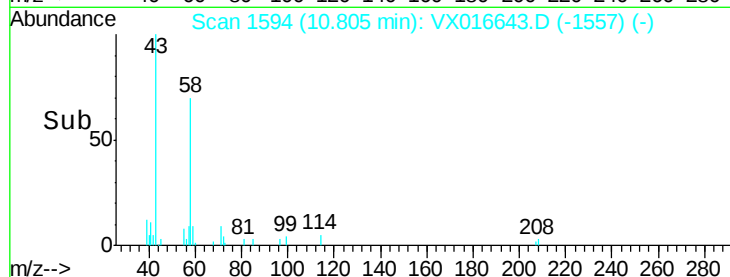
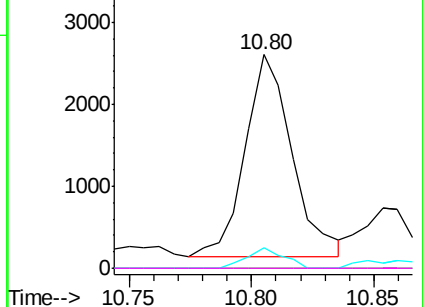


Abundance Ion 43.00 (42.70 to 43.70): VX0

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



#76

1,2,3-Trichloropropane

Concen: 21.59 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016643.D

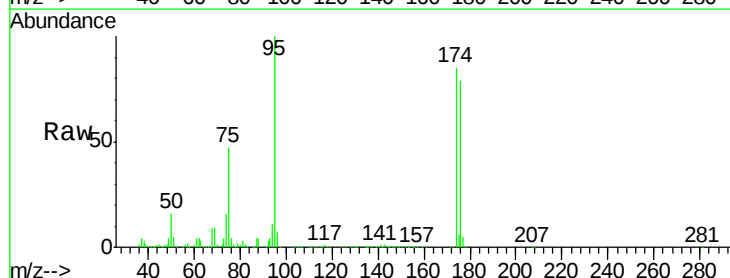
Acq: 08 Jun 2020 17:34

Tgt Ion: 75 Resp: 89527

Ion Ratio Lower Upper

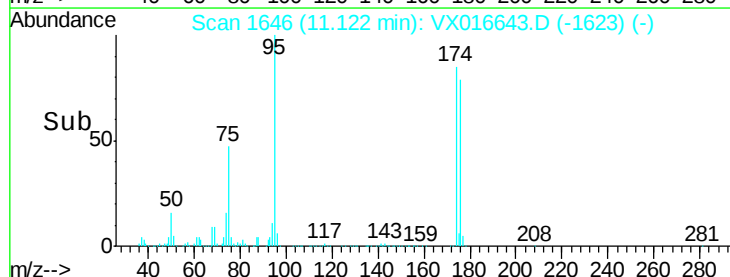
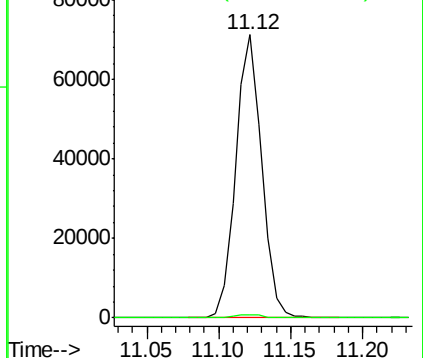
75 100

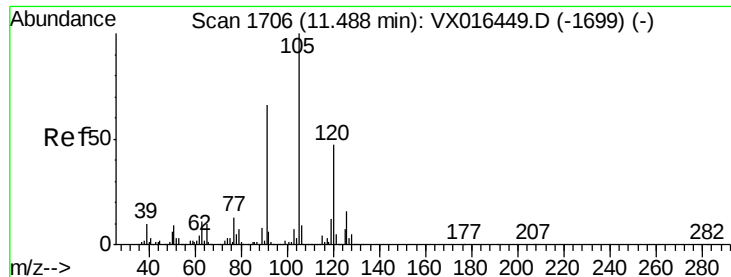
77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

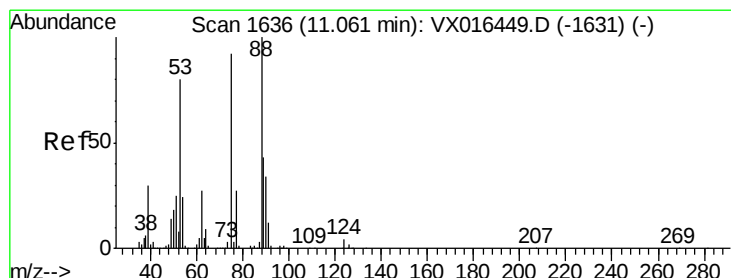
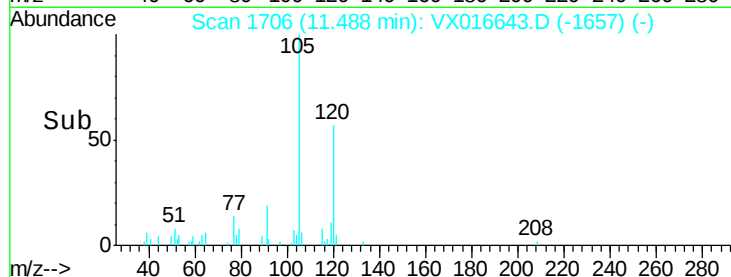
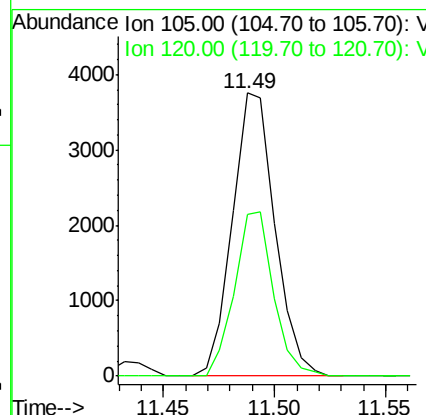
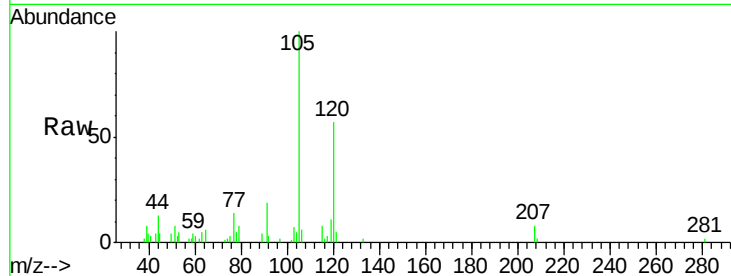




#80
 1,3,5-Trimethylbenzene
 Concen: 0.46 ug/l
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VX016643.D
 Acq: 08 Jun 2020 17:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB129340ZHE#10

Tgt Ion: 105 Resp: 5005
 Ion Ratio Lower Upper
 105 100
 120 52.9 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.10 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016643.D
 Acq: 08 Jun 2020 17:34

Tgt Ion: 75 Resp: 89527
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 36.6 55.0#

