

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019944.D
 Acq On : 12 Dec 2020 19:54
 Operator : JC/MD
 Sample : PB133524ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#08

Quant Time: Dec 14 08:20:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	301352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	505179	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	479430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203720	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	196652	49.65	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.30%
35) Dibromofluoromethane	5.46	113	159666	48.90	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.80%
50) Toluene-d8	8.70	98	636585	51.07	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.14%
62) 4-Bromofluorobenzene	11.12	95	220647	46.51	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.02%

Target Compounds

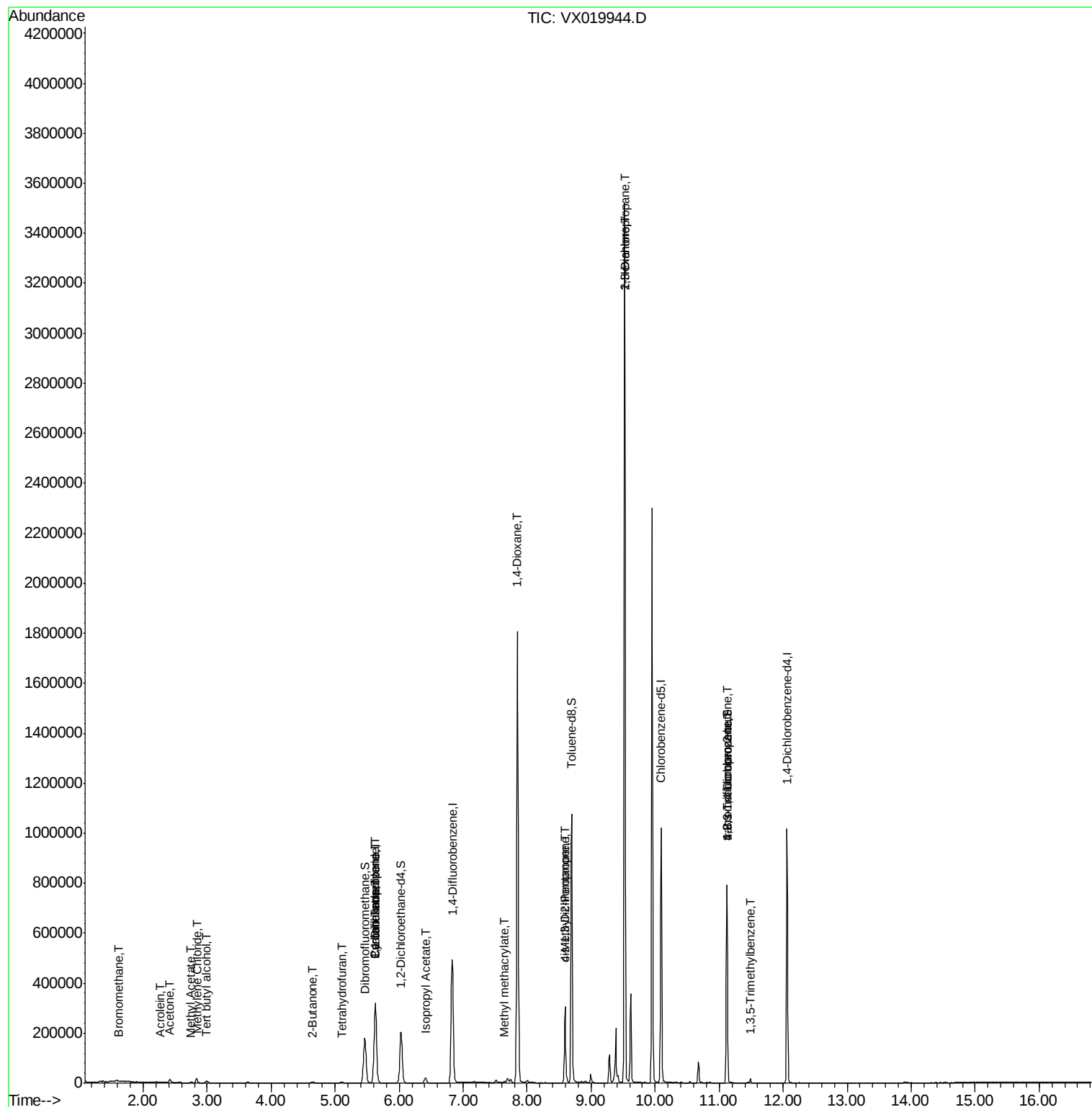
						Qvalue
5) Bromomethane	1.63	94	442	0.389	ug/l #	78
11) Tert butyl alcohol	2.99	59	5475	4.154	ug/l #	75
13) Acrolein	2.26	56	99	0.226	ug/l #	27
16) Acetone	2.42	43	12347	8.294	ug/l	99
18) Methyl Acetate	2.75	43	3452	0.948	ug/l #	87
20) Methylene Chloride	2.84	84	8830	1.210	ug/l	93
25) 2-Butanone	4.64	43	3597	1.572	ug/l	99
29) Tetrahydrofuran	5.10	42	1903	1.291	ug/l #	76
31) Cyclohexane	5.62	56	5763	1.170	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23157	5.073	ug/l #	48
38) Carbon Tetrachloride	5.63	117	29754	6.656	ug/l #	17
43) Isopropyl Acetate	6.41	43	28289	3.775	ug/l	97
48) Methyl methacrylate	7.65	41	7626	2.069	ug/l #	10
49) 1,4-Dioxane	7.85	88	254	2.845	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	94530	20.662	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	50101	8.898	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	31510	5.251	ug/l #	43
59) 2-Hexanone	9.52	43	376822	106.260	ug/l #	46
76) 1,2,3-Trichloropropane	11.12	75	106030	23.206	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.49	105	6856	0.584	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.12	75	106030	67.084	ug/l #	12

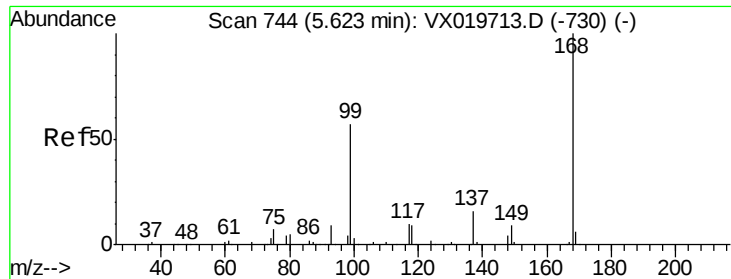
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

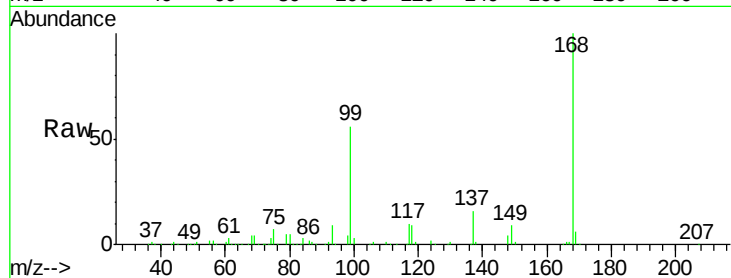
PB133524ZHE#08

Tgt Ion:168 Resp: 301352

Ion Ratio Lower Upper

168 100

99 55.6 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

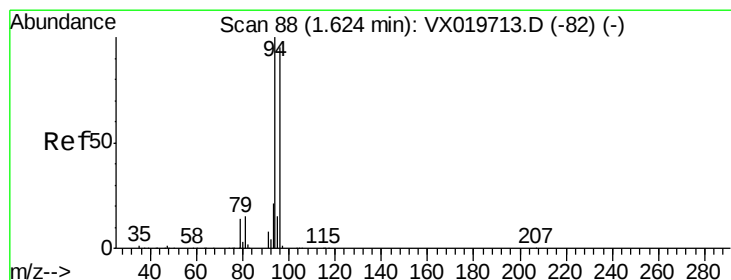
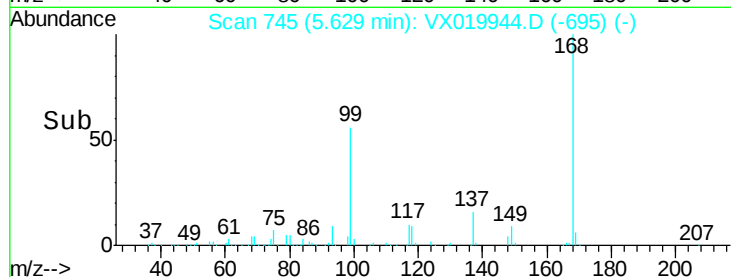
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.389 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019944.D

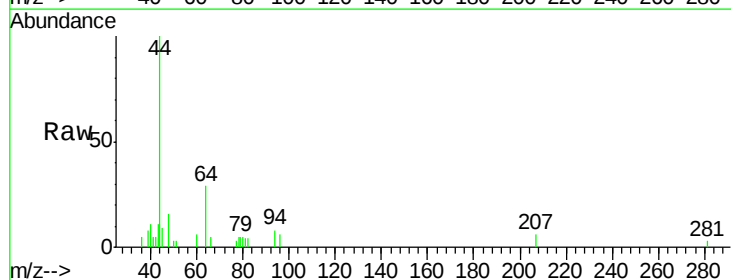
Acq: 12 Dec 2020 19:54

Tgt Ion: 94 Resp: 442

Ion Ratio Lower Upper

94 100

96 74.1 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

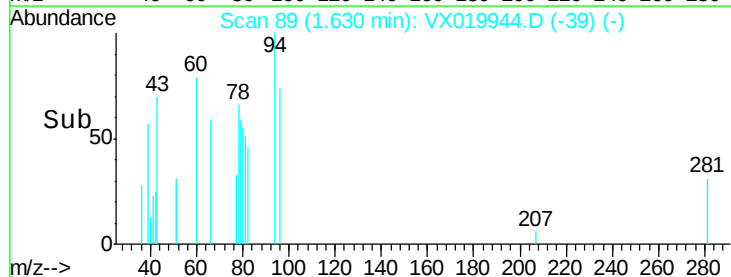
150

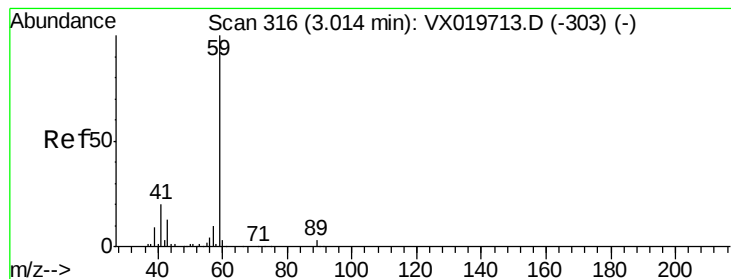
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 4.154 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

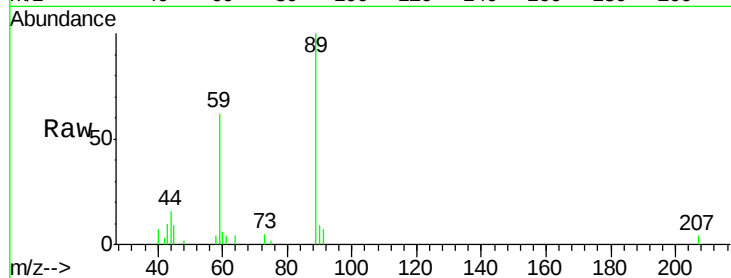
PB133524ZHE#08

Tgt Ion: 59 Resp: 5475

Ion Ratio Lower Upper

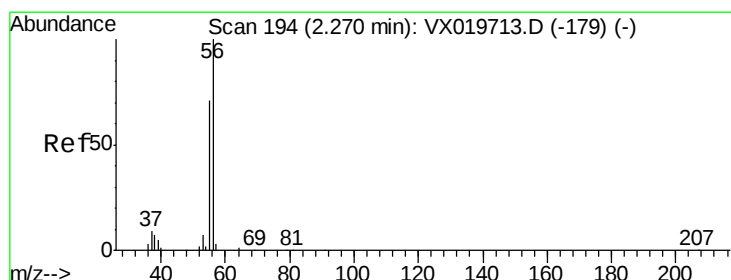
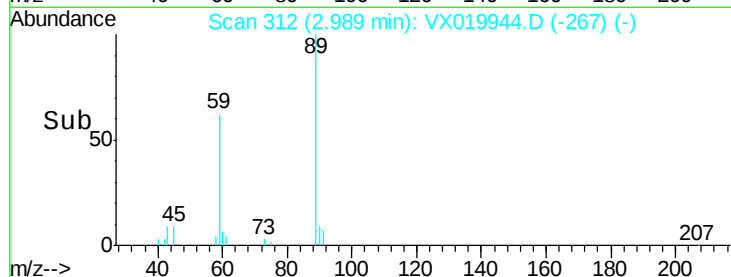
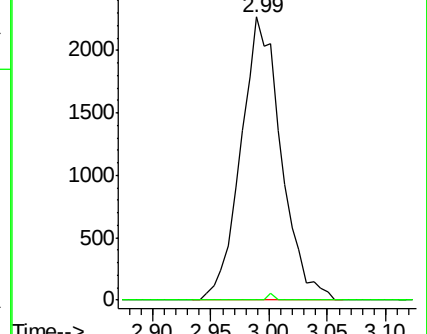
59 100

57 0.4 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 0.226 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019944.D

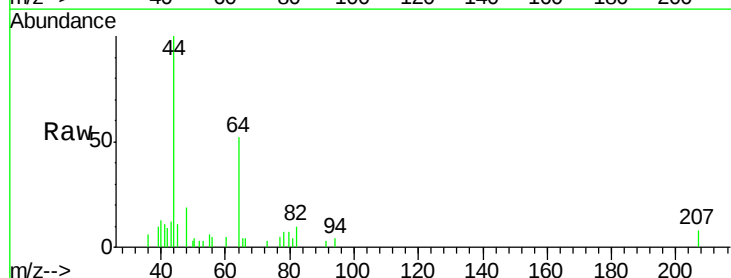
Acq: 12 Dec 2020 19:54

Tgt Ion: 56 Resp: 99

Ion Ratio Lower Upper

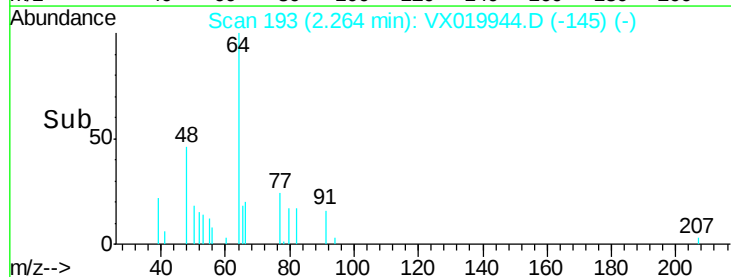
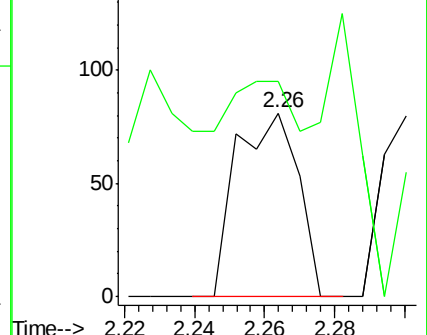
56 100

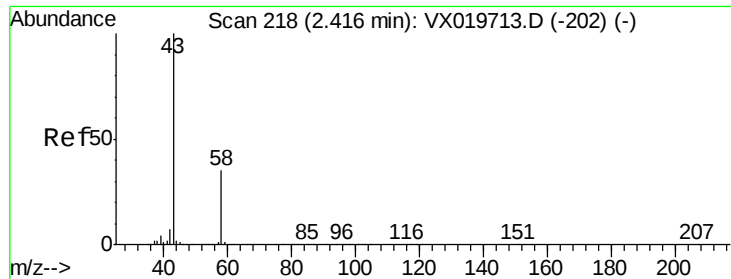
55 130.3 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 8.294 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

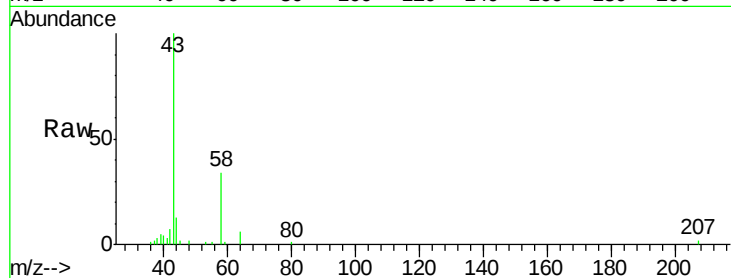
PB133524ZHE#08

Tgt Ion: 43 Resp: 12347

Ion Ratio Lower Upper

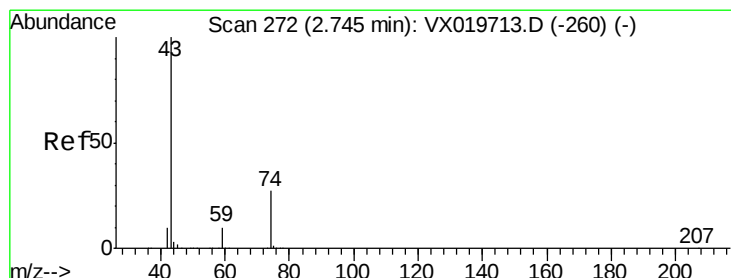
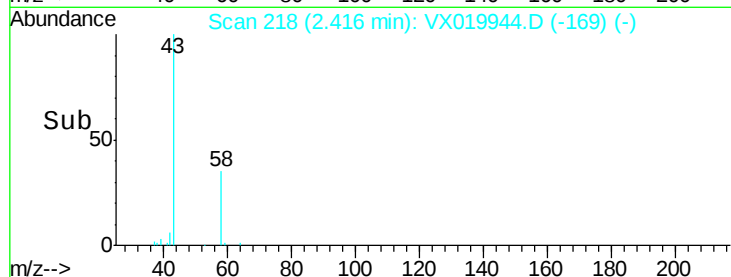
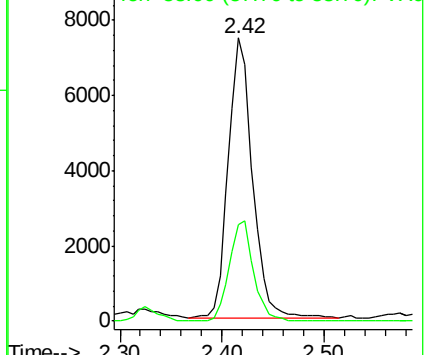
43 100

58 34.2 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.948 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019944.D

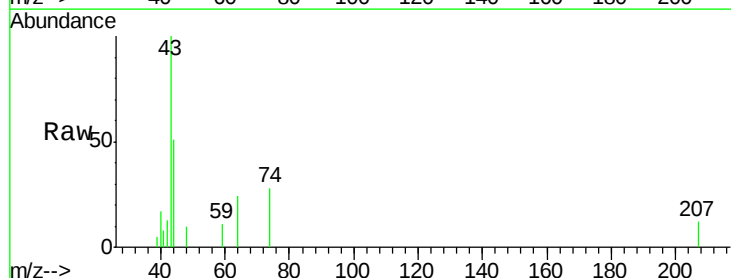
Acq: 12 Dec 2020 19:54

Tgt Ion: 43 Resp: 3452

Ion Ratio Lower Upper

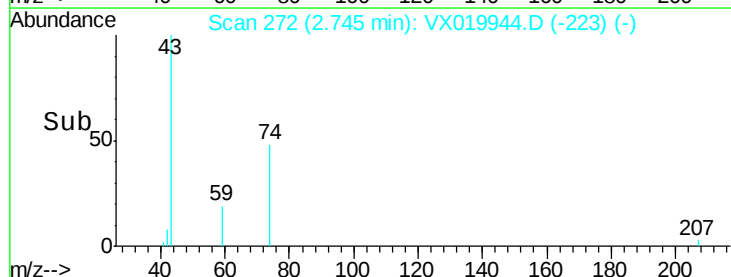
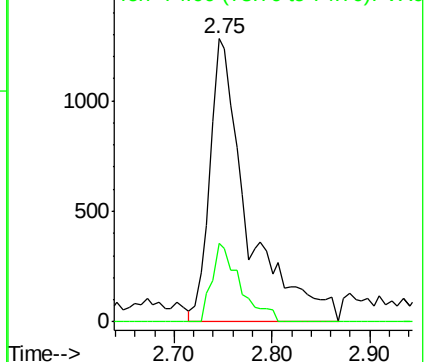
43 100

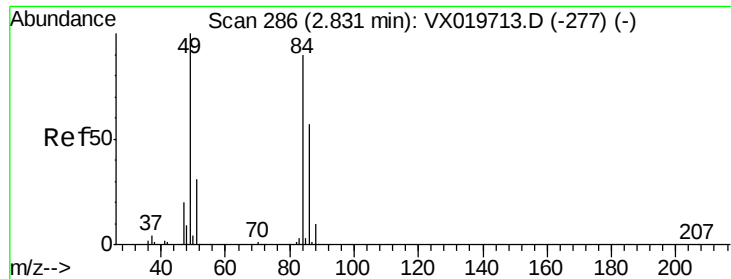
74 20.7 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

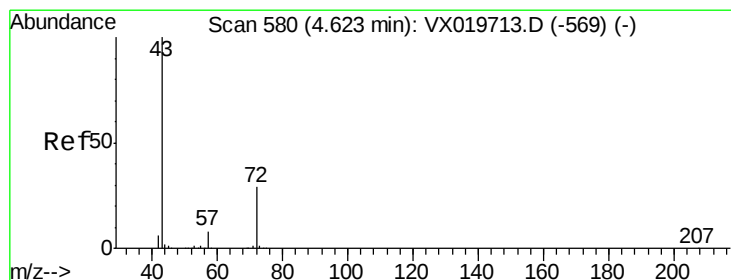
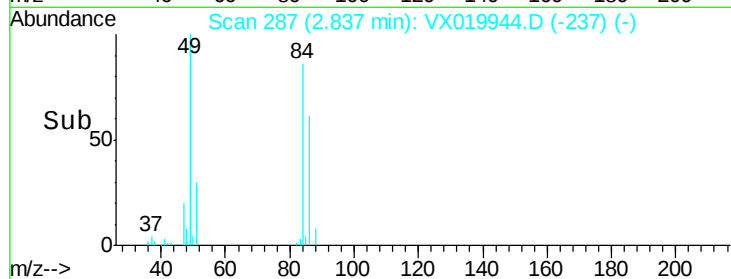
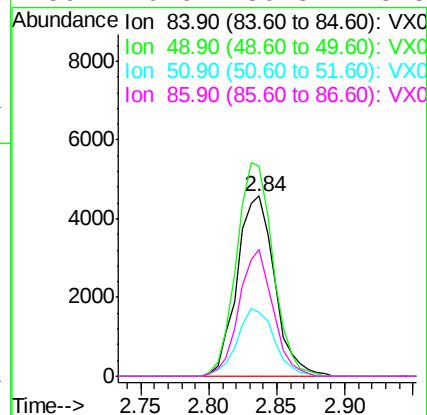
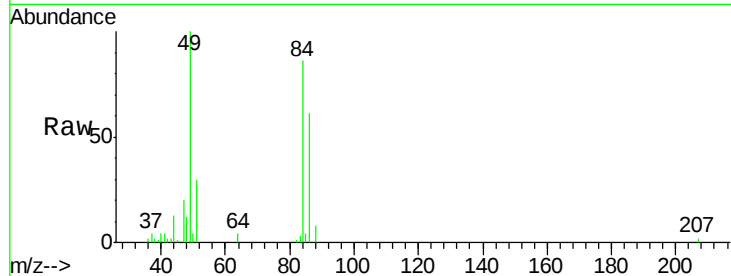




#20
Methylene Chloride
Concen: 1.210 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

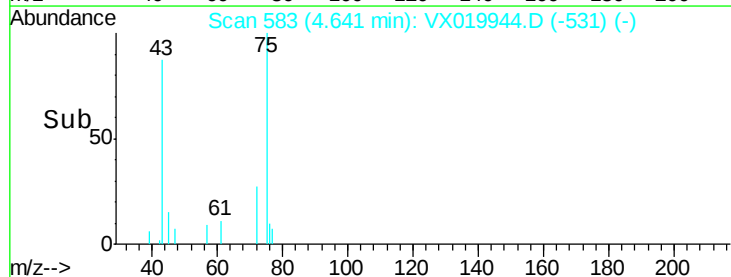
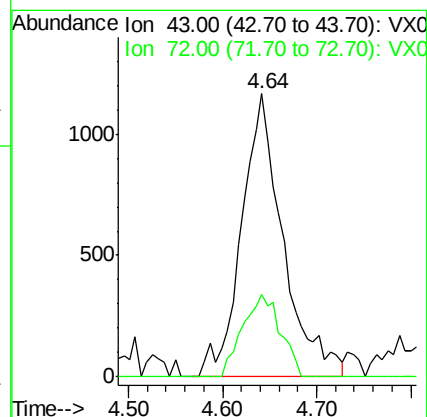
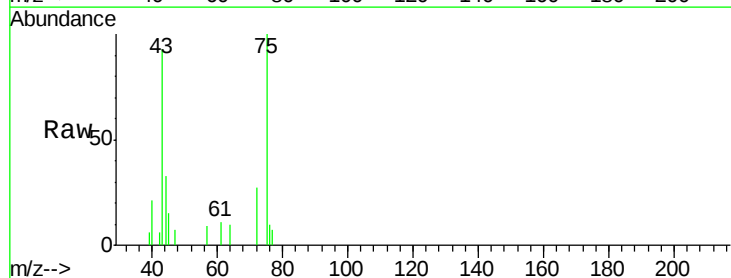
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#08

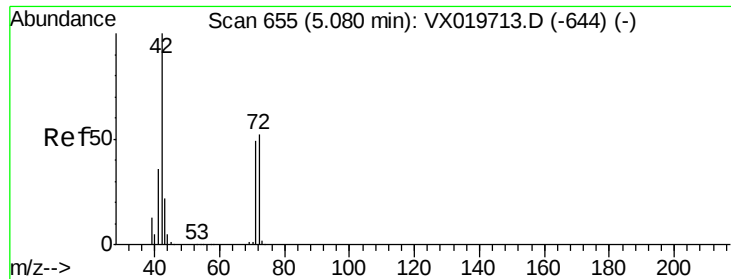
Tgt Ion:	84	Resp:	8830
Ion	Ratio	Lower	Upper
84	100		
49	116.7	88.6	132.8
51	35.5	27.0	40.6
86	70.6	50.3	75.5



#25
2-Butanone
Concen: 1.572 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

Tgt Ion:	43	Resp:	3597
Ion	Ratio	Lower	Upper
43	100		
72	29.0	23.7	35.5

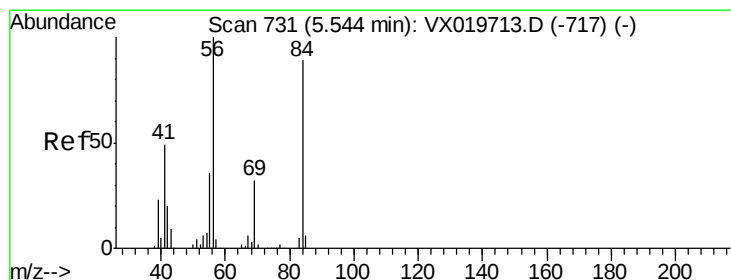
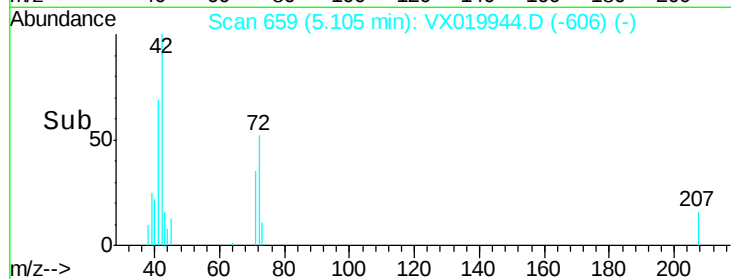
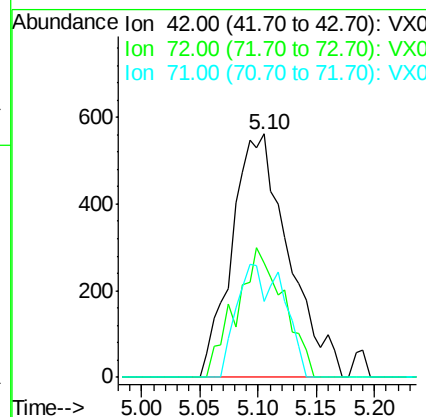
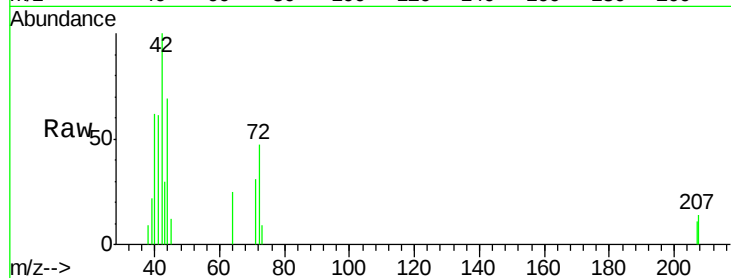




#29
Tetrahydrofuran
Concen: 1.291 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

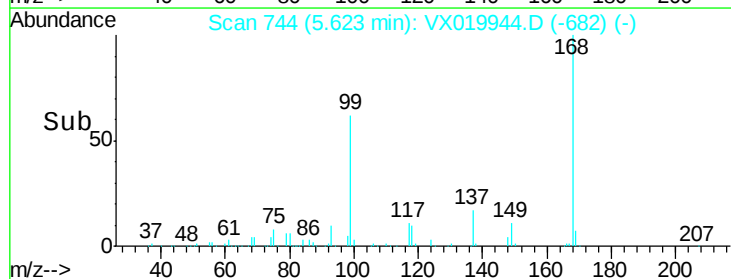
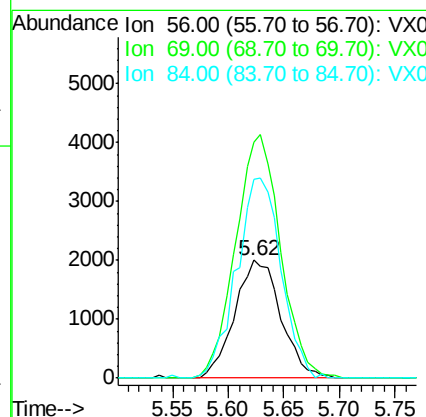
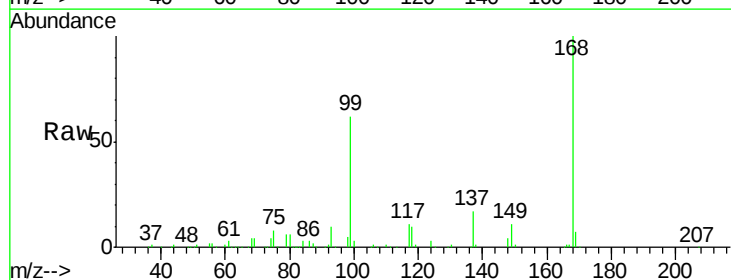
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#08

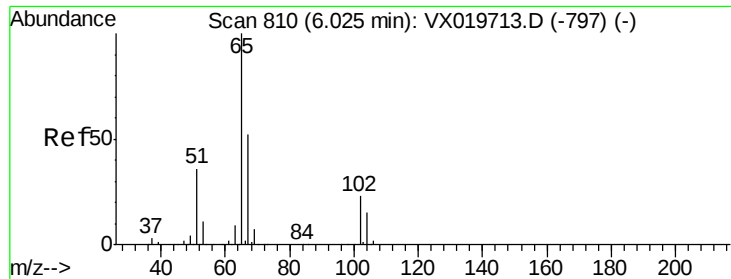
Tgt Ion: 42 Resp: 1903
Ion Ratio Lower Upper
42 100
72 44.6 41.7 62.5
71 22.1 38.4 57.6#



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

Tgt Ion: 56 Resp: 5763
Ion Ratio Lower Upper
56 100
69 200.0 25.3 37.9#
84 168.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.651 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

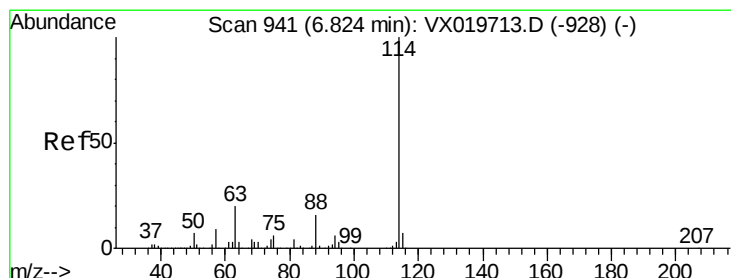
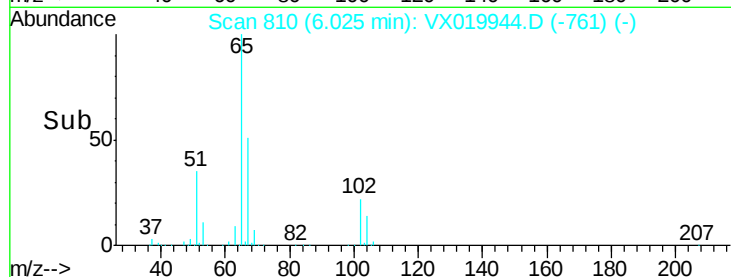
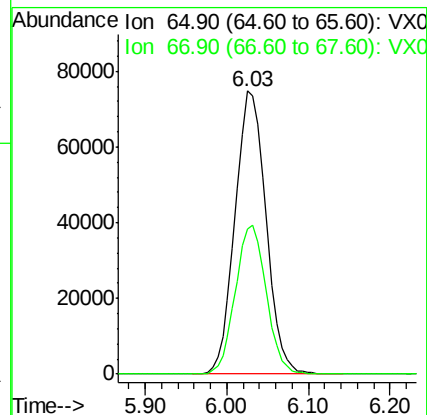
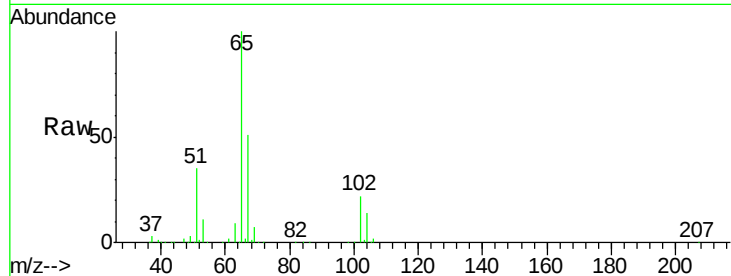
PB133524ZHE#08

Tgt Ion: 65 Resp: 196652

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

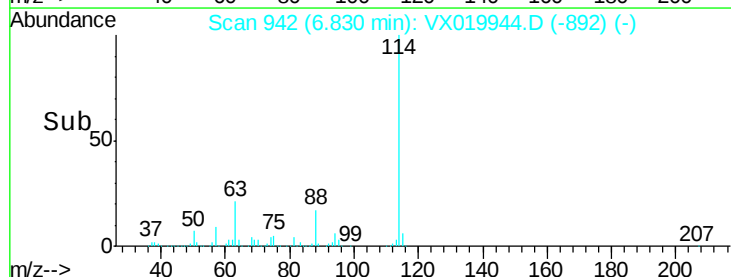
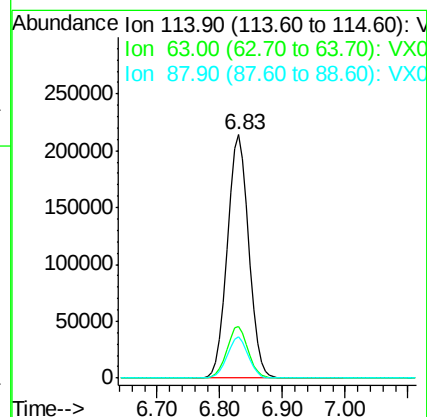
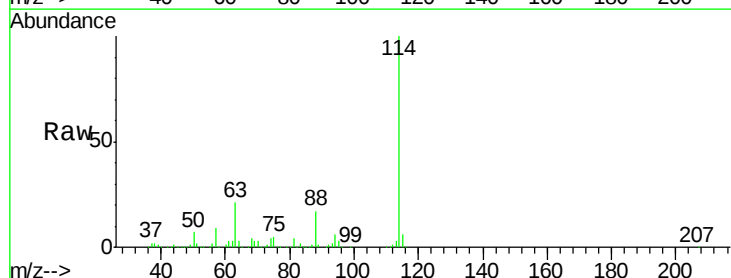
Tgt Ion: 114 Resp: 505179

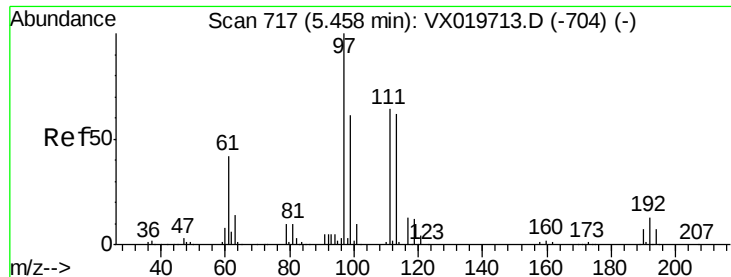
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

88 17.0 0.0 32.8

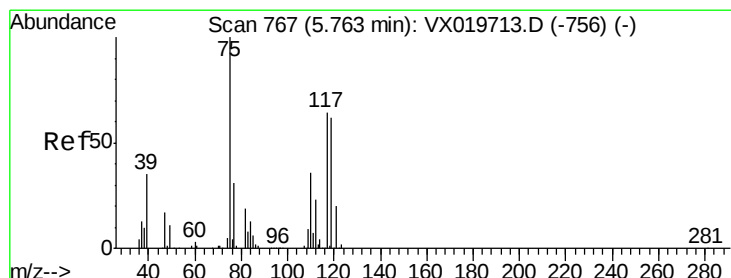
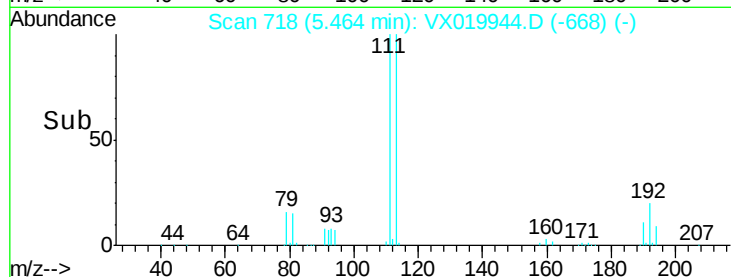
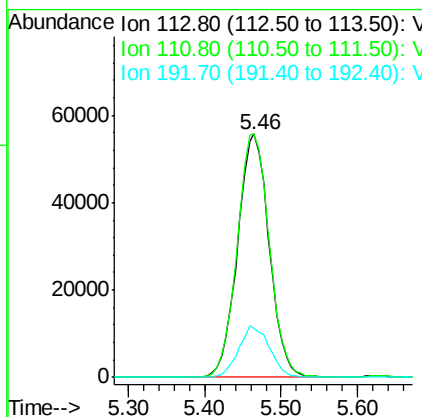
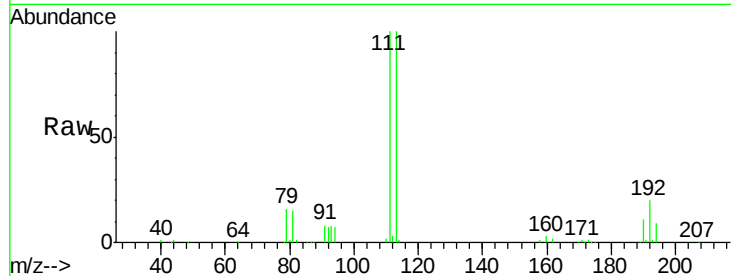




#35
 Dibromofluoromethane
 Concen: 48.904 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019944.D
 Acq: 12 Dec 2020 19:54

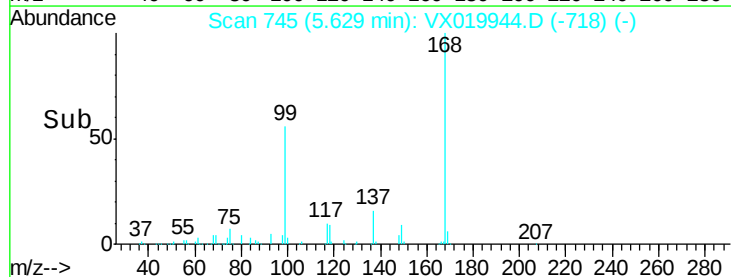
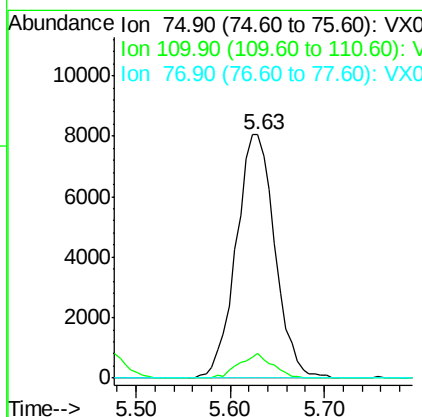
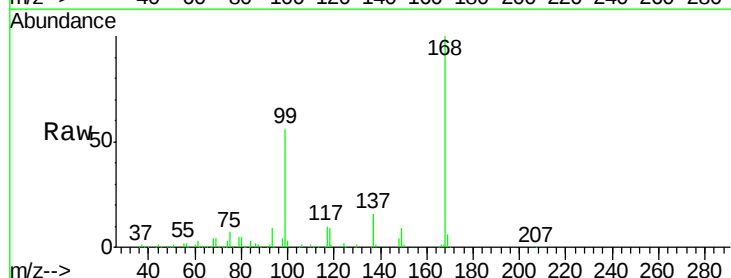
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133524ZHE#08

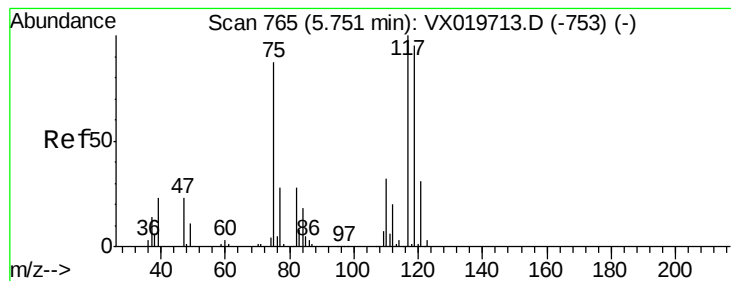
Tgt Ion:113 Resp: 159666
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.9 122.9
 192 20.8 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.073 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019944.D
 Acq: 12 Dec 2020 19:54

Tgt Ion: 75 Resp: 23157
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.656 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#08

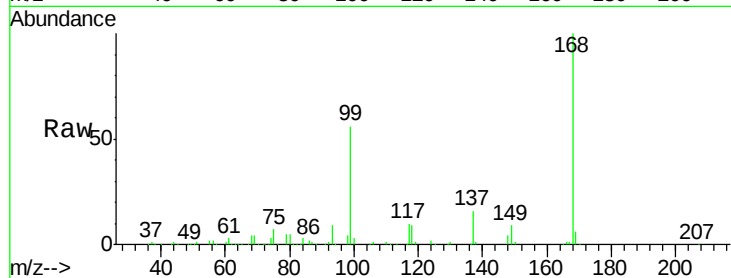
Tgt Ion:117 Resp: 29754

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.2#

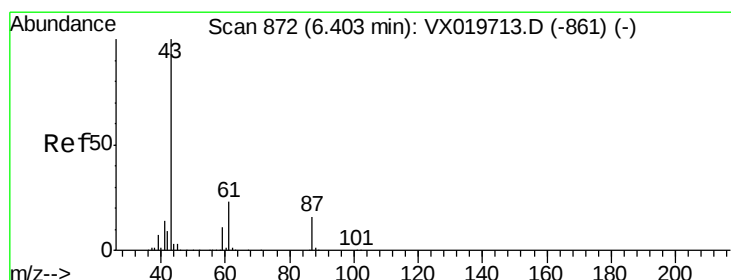
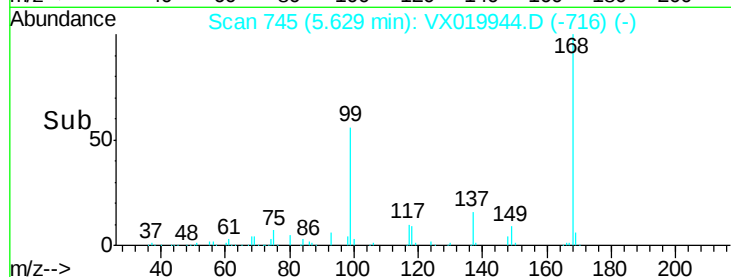
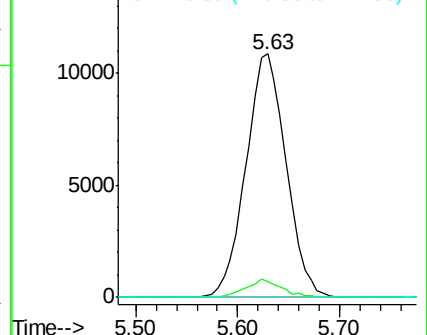
121 0.0 24.8 37.2#



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: 3.775 ug/l

RT: 6.41 min Scan# 873

Delta R.T. 0.01 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

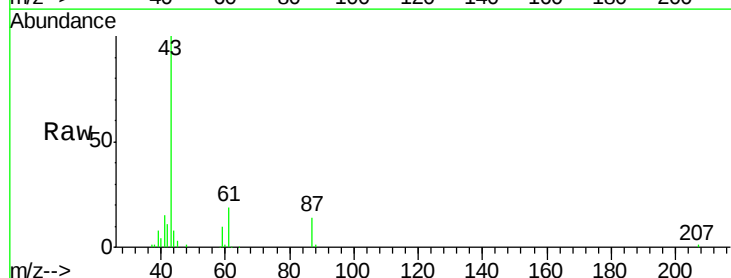
Tgt Ion: 43 Resp: 28289

Ion Ratio Lower Upper

43 100

61 21.7 18.2 27.4

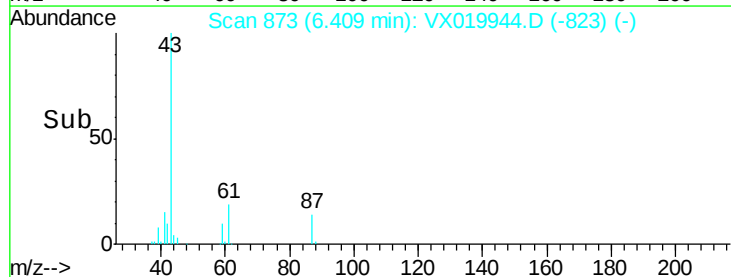
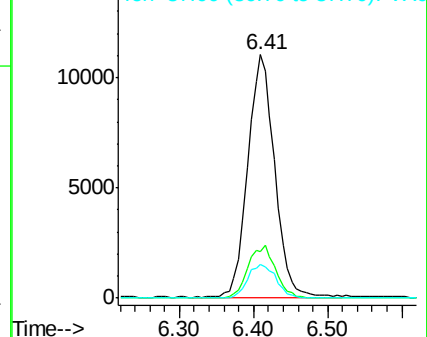
87 14.3 12.5 18.7

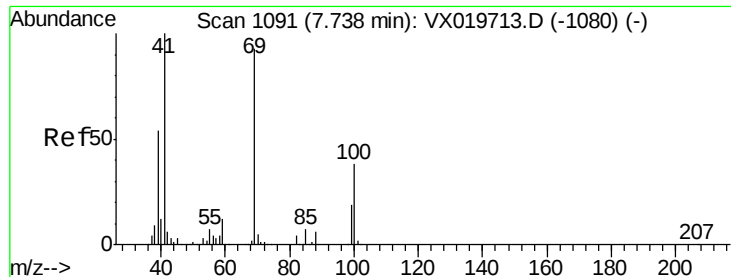


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

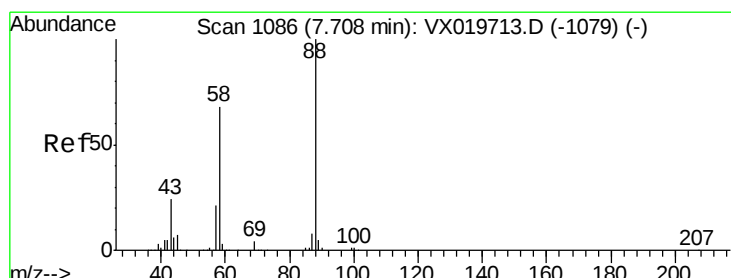
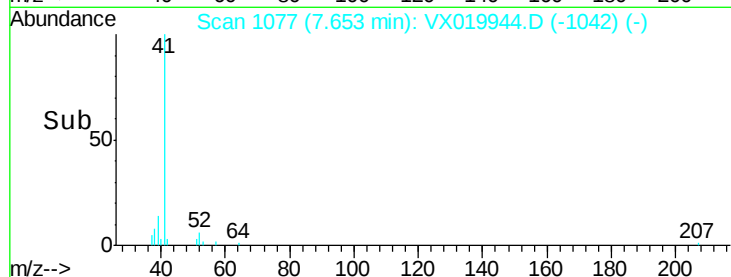
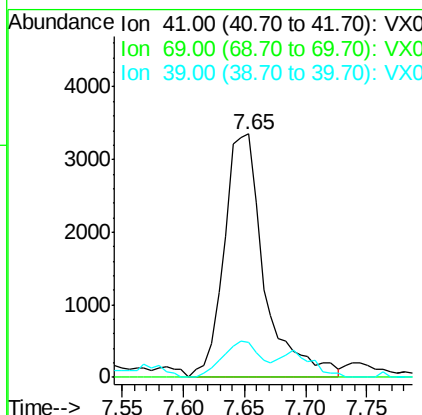
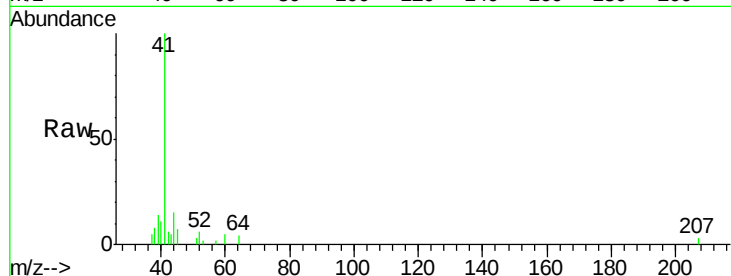




#48
Methyl methacrylate
Concen: 2.069 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

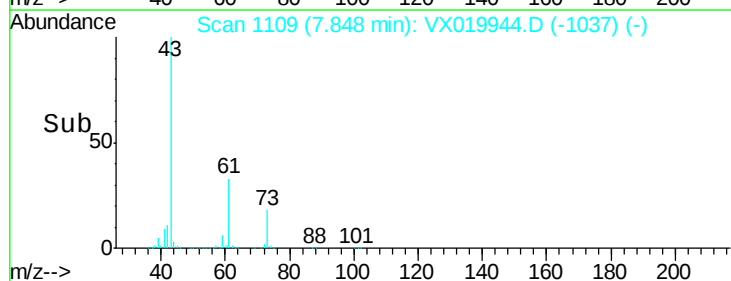
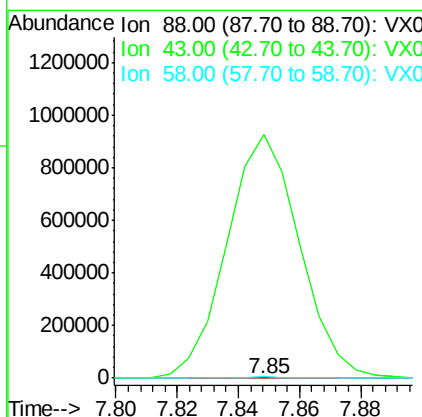
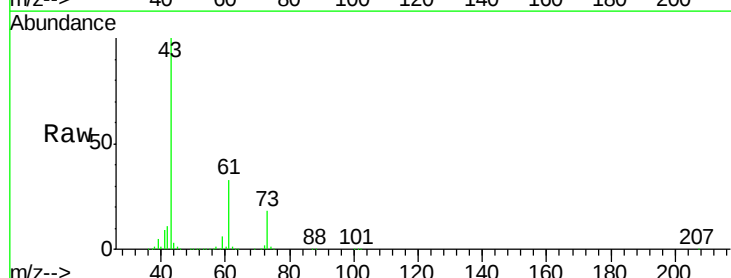
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#08

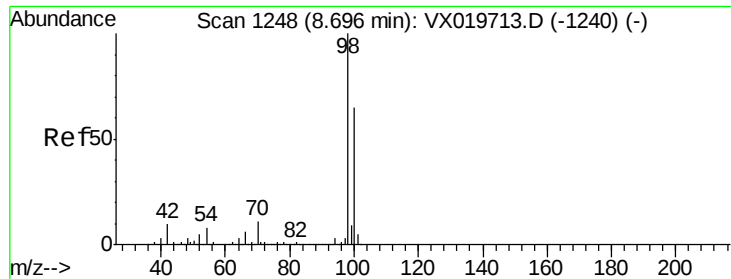
Tgt Ion: 41 Resp: 7626
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.845 ug/l
RT: 7.85 min Scan# 1109
Delta R.T. 0.14 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

Tgt Ion: 88 Resp: 254
Ion Ratio Lower Upper
88 100
43 603441.7 23.2 34.8#
58 3114.6 55.0 82.4#





#50

Toluene-d8

Concen: 51.072 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

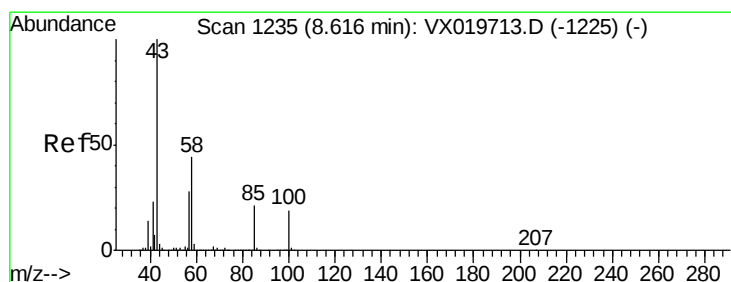
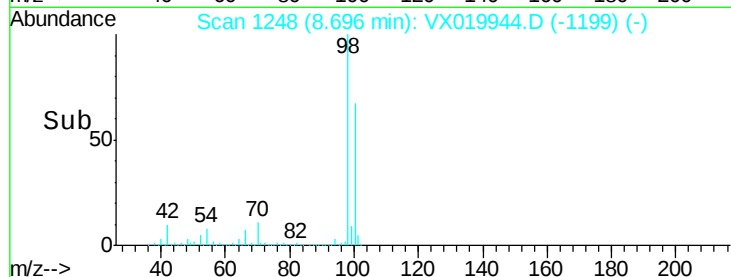
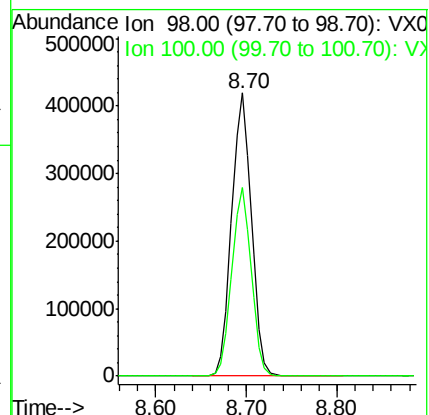
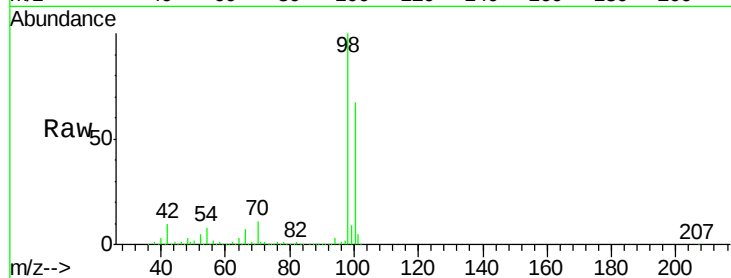
PB133524ZHE#08

Tgt Ion: 98 Resp: 636585

Ion Ratio Lower Upper

98 100

100 65.7 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 20.662 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VX019944.D

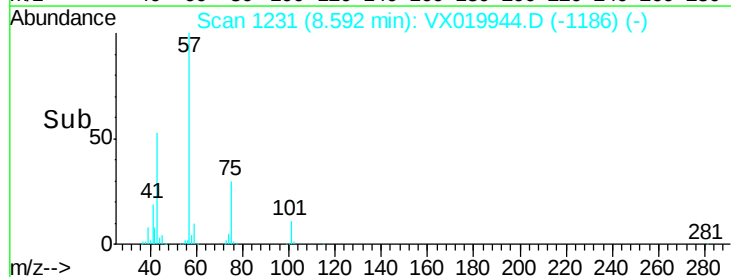
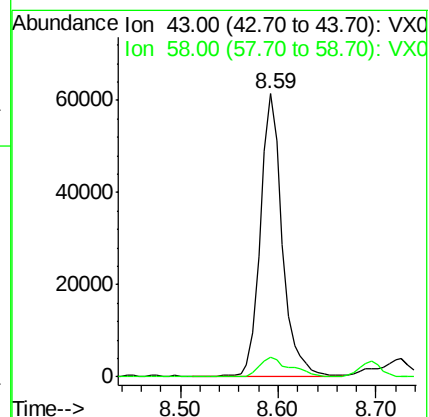
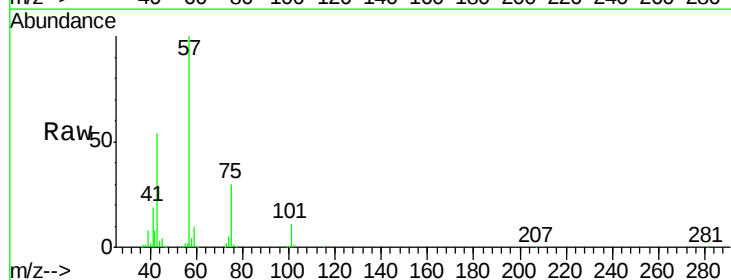
Acq: 12 Dec 2020 19:54

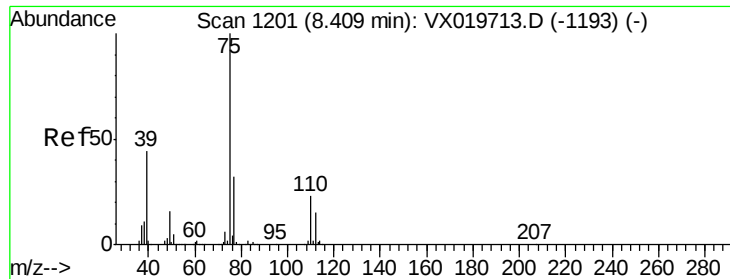
Tgt Ion: 43 Resp: 94530

Ion Ratio Lower Upper

43 100

58 9.8 35.4 53.0#





#54

cis-1,3-Dichloropropene

Concen: 8.898 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#08

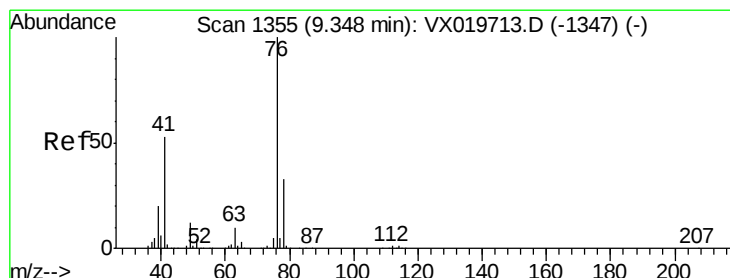
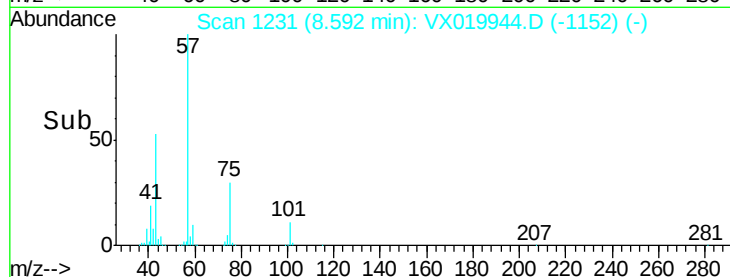
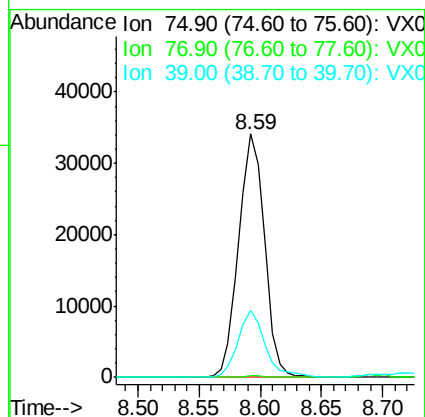
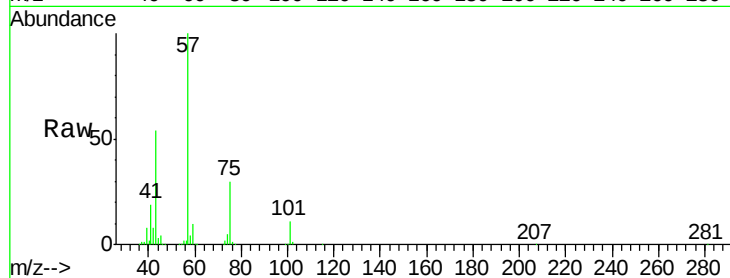
Tgt Ion: 75 Resp: 50101

Ion Ratio Lower Upper

75 100

77 0.6 25.7 38.5#

39 27.3 35.1 52.7#



#57

1,3-Dichloropropane

Concen: 5.251 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.18 min

Lab File: VX019944.D

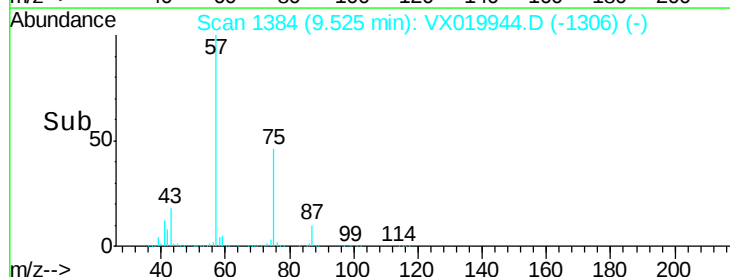
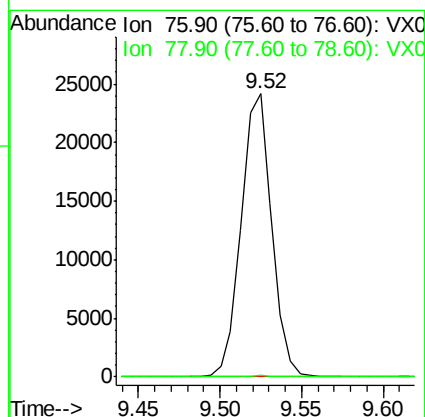
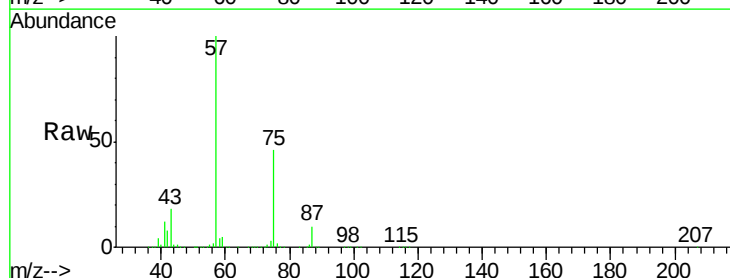
Acq: 12 Dec 2020 19:54

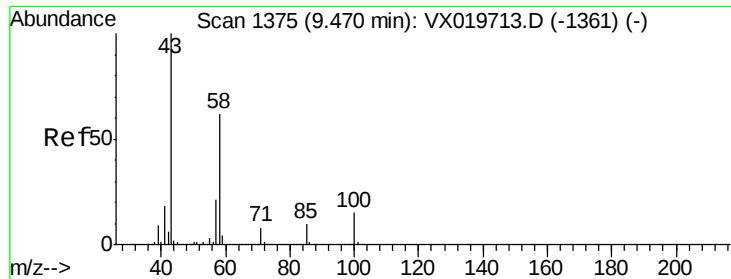
Tgt Ion: 76 Resp: 31510

Ion Ratio Lower Upper

76 100

78 0.5 26.2 39.2#

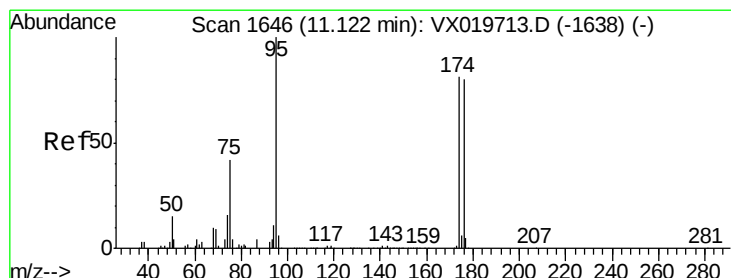
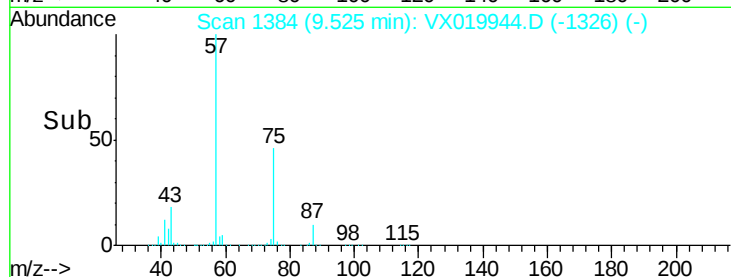
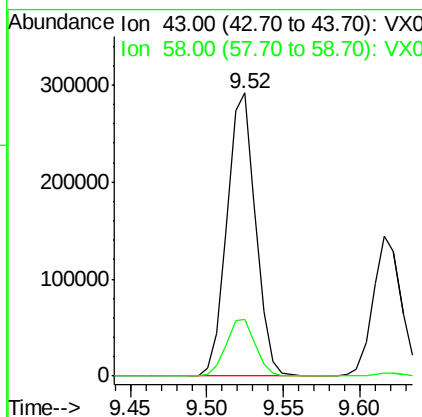
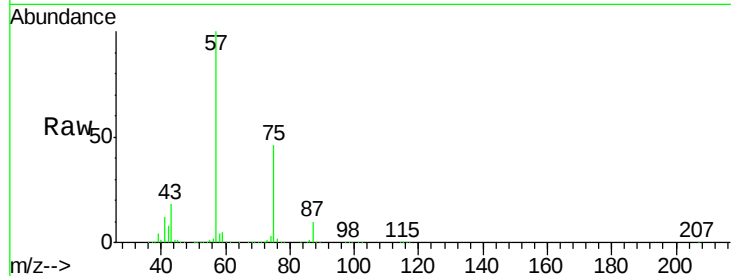




#59
2-Hexanone
Concen: 106.260 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

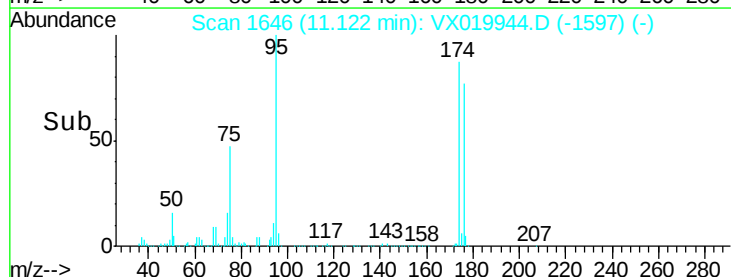
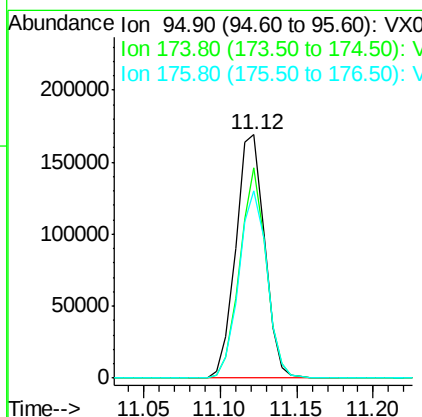
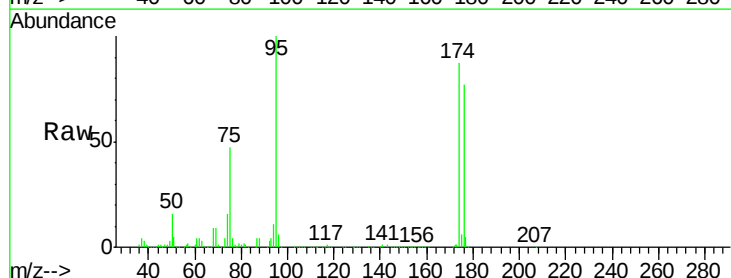
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#08

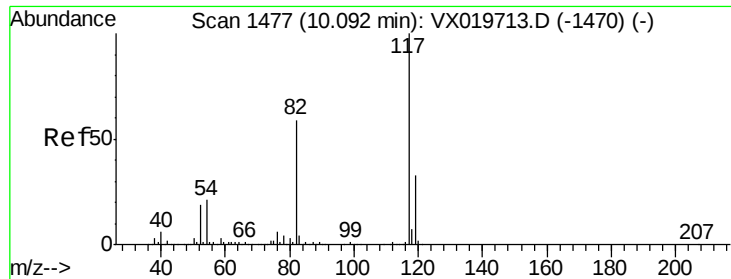
Tgt Ion: 43 Resp: 376822
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.509 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

Tgt Ion: 95 Resp: 220647
Ion Ratio Lower Upper
95 100
174 78.7 0.0 154.6
176 75.4 0.0 155.8

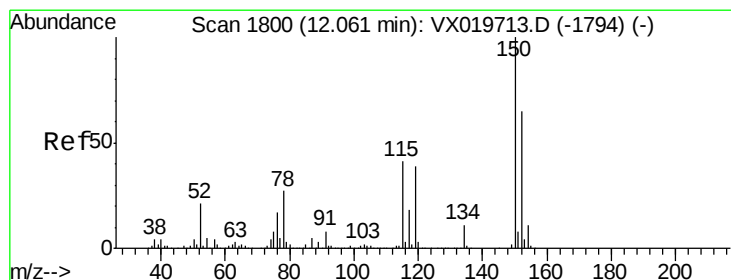
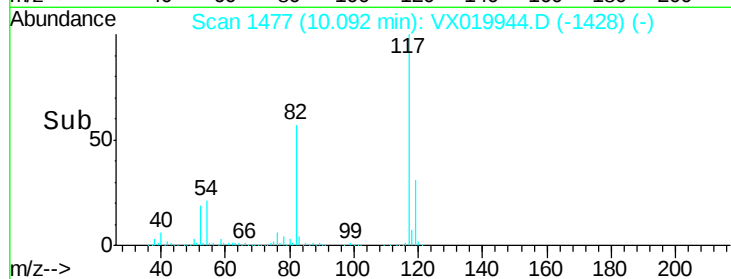
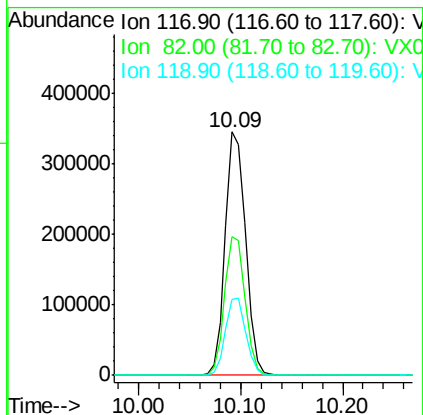
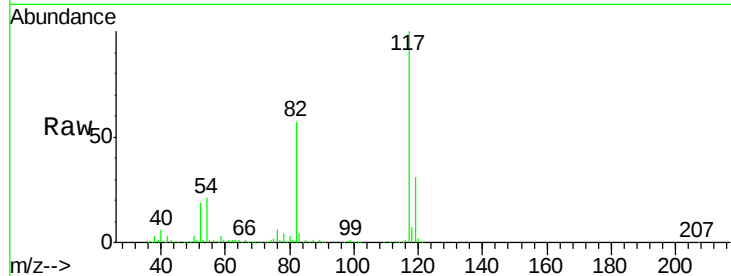




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

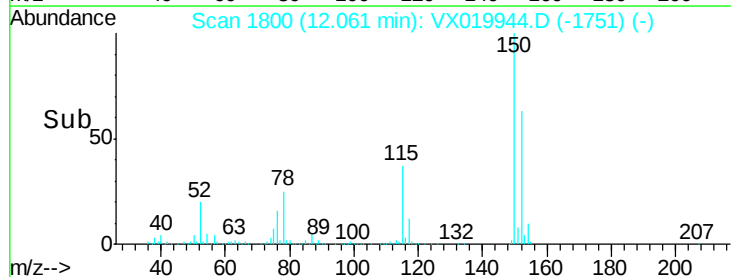
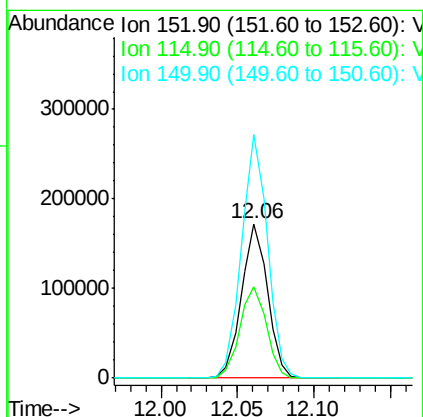
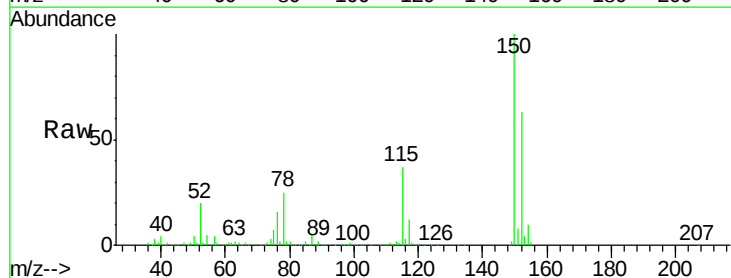
Instrument :
MSVOA_X
ClientSampleId :
PB133524ZHE#08

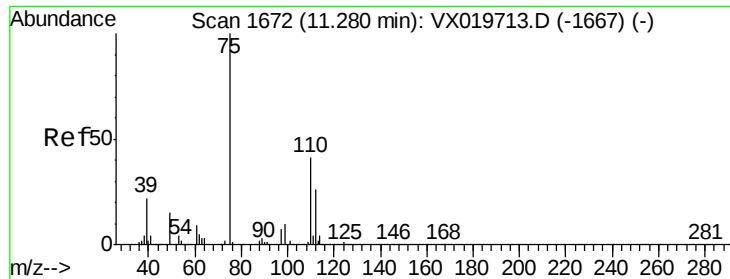
Tgt Ion:117 Resp: 479430
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019944.D
Acq: 12 Dec 2020 19:54

Tgt Ion:152 Resp: 203720
Ion Ratio Lower Upper
152 100
115 60.7 41.1 123.3
150 157.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.206 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

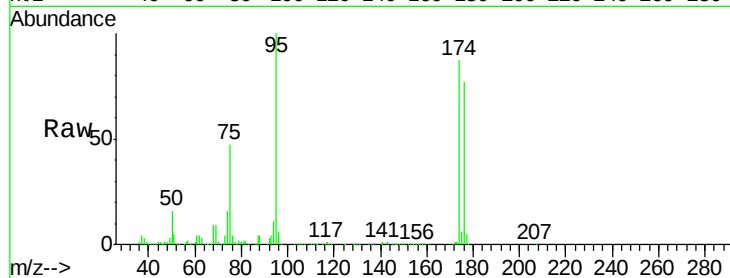
PB133524ZHE#08

Tgt Ion: 75 Resp: 106030

Ion Ratio Lower Upper

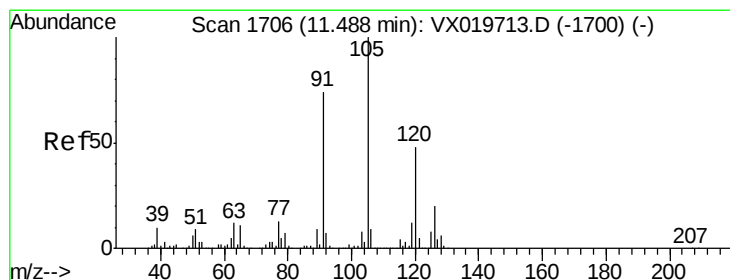
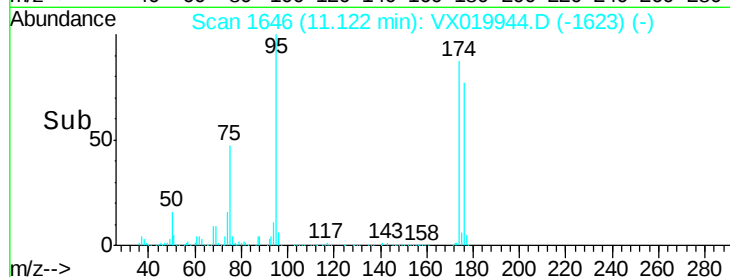
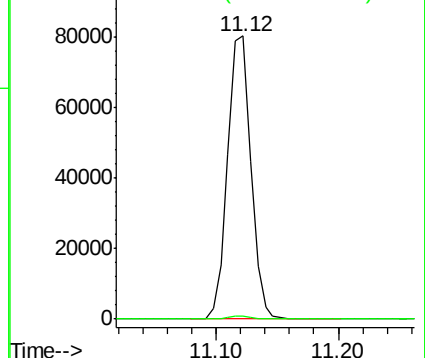
75 100

77 1.2 19.1 57.5#



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: 0.584 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. 0.00 min

Lab File: VX019944.D

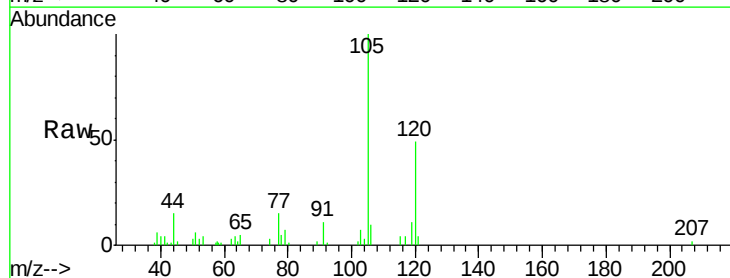
Acq: 12 Dec 2020 19:54

Tgt Ion: 105 Resp: 6856

Ion Ratio Lower Upper

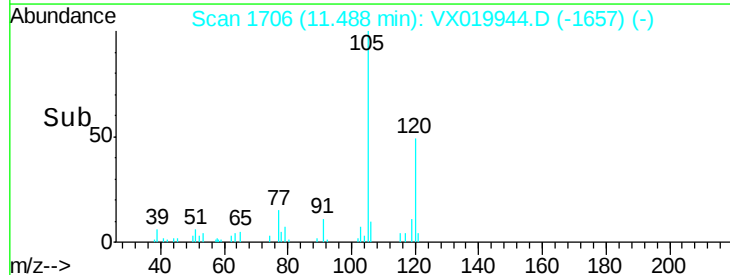
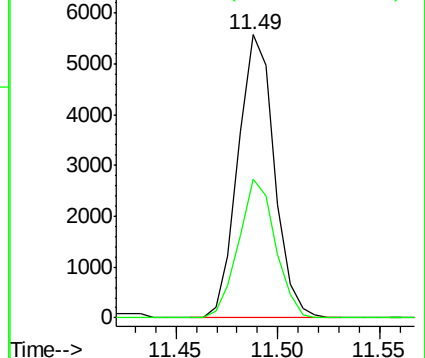
105 100

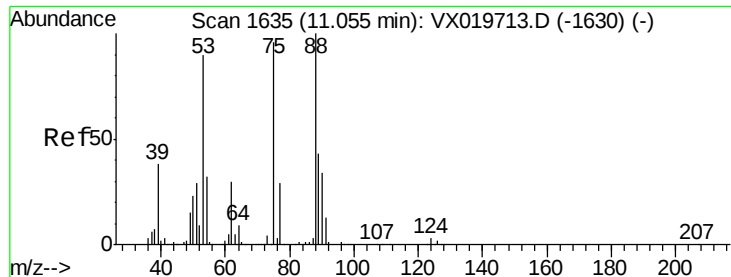
120 49.7 23.8 71.5



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: 67.084 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019944.D

Acq: 12 Dec 2020 19:54

Instrument :

MSVOA_X

ClientSampleId :

PB133524ZHE#08

Tgt Ion: 75 Resp: 106030

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

