

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120420\
 Data File : VX019732.D
 Acq On : 04 Dec 2020 21:13
 Operator : JC/MD
 Sample : L4960-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BES-13SR

Quant Time: Dec 05 03:52:21 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	335541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	541630	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	491682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	216275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	203061	46.05	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.10%
35) Dibromofluoromethane	5.46	113	163393	46.68	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.36%
50) Toluene-d8	8.70	98	647274	48.43	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.86%
62) 4-Bromofluorobenzene	11.12	95	230889	45.39	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.78%

Target Compounds

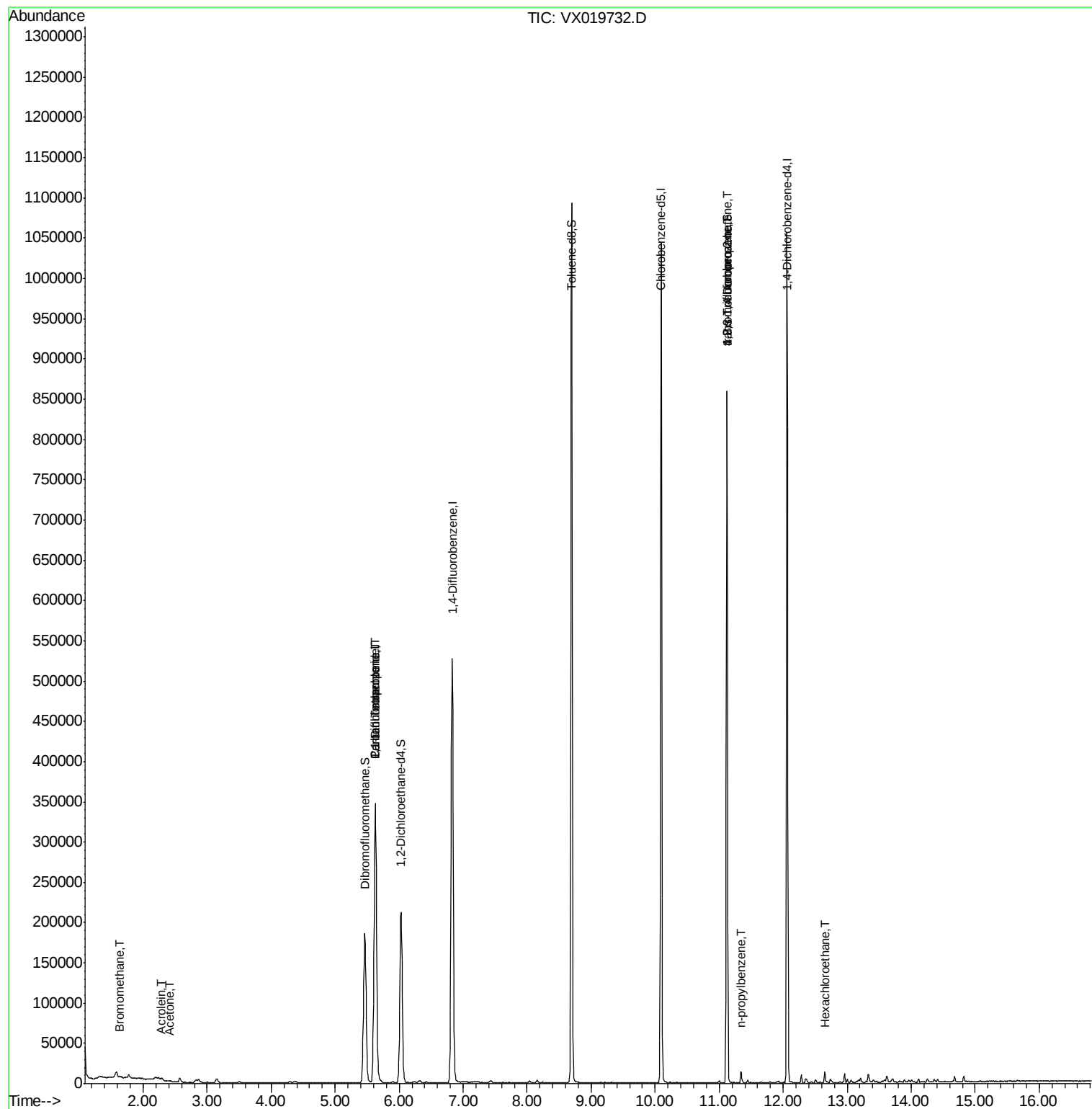
					Qvalue	
5) Bromomethane	1.64	94	585	0.462	ug/l #	80
11) Tert butyl alcohol	2.99	59	563	Below Cal	#	73
13) Acrolein	2.27	56	172	0.353	ug/l #	64
16) Acetone	2.42	43	1559	0.941	ug/l #	84
20) Methylene Chloride	2.84	84	499	Below Cal		95
36) 1,1-Dichloropropene	5.63	75	24867	5.081	ug/l #	49
38) Carbon Tetrachloride	5.62	117	32435	6.767	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	110995	22.882	ug/l #	39
78) n-propylbenzene	11.34	91	8205	0.486	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.12	75	110995	66.149	ug/l #	12
90) Hexachloroethane	12.65	117	682	0.309	ug/l #	9

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

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ClientSampleId :
BES-13SR

Quant Time: Dec 05 03:52:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
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: VX019732.D

Acq: 04 Dec 2020 21:13

Instrument :

MSVOA_X

ClientSampleId :

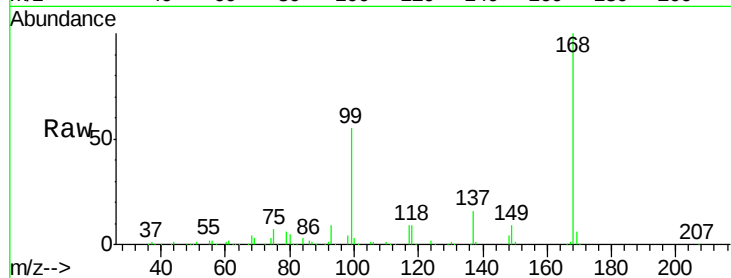
BES-13SR

Tot Ion:168 Resp: 335541

Ion Ratio Lower Upper

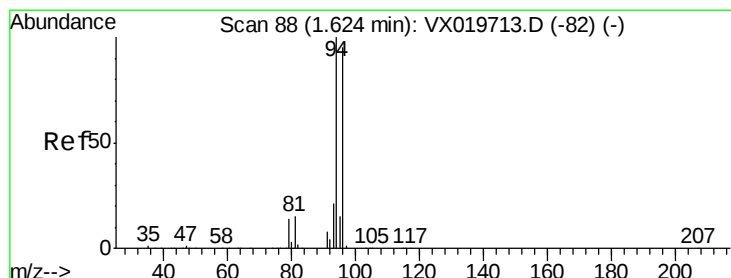
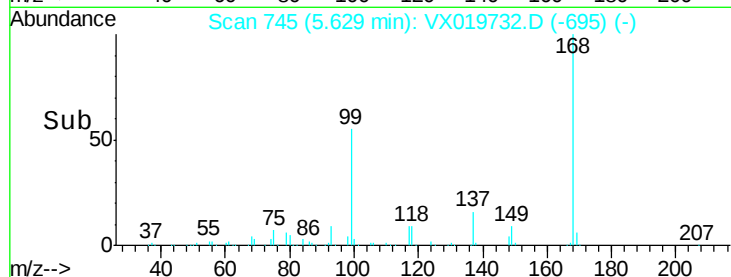
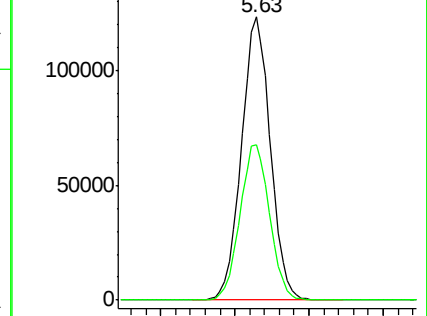
168 100

99 54.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.462 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019732.D

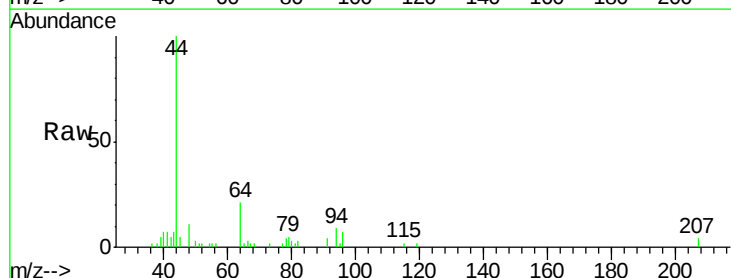
Acq: 04 Dec 2020 21:13

Tgt Ion: 94 Resp: 585

Ion Ratio Lower Upper

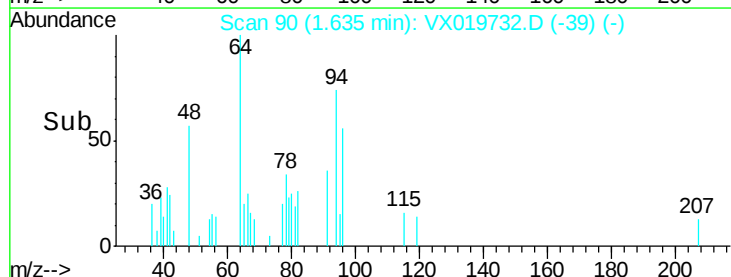
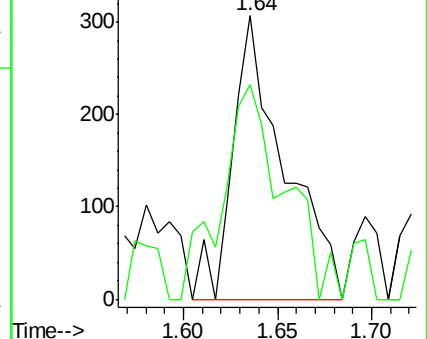
94 100

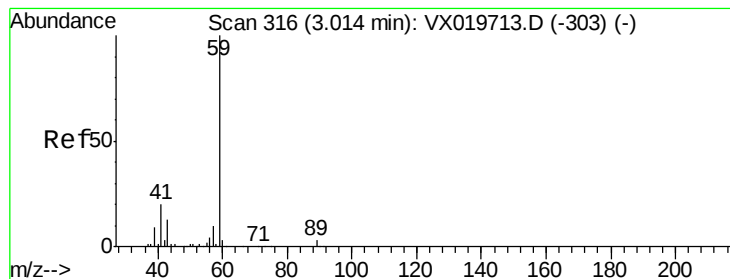
96 75.6 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



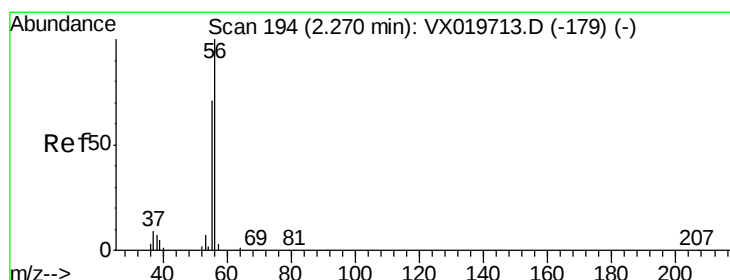
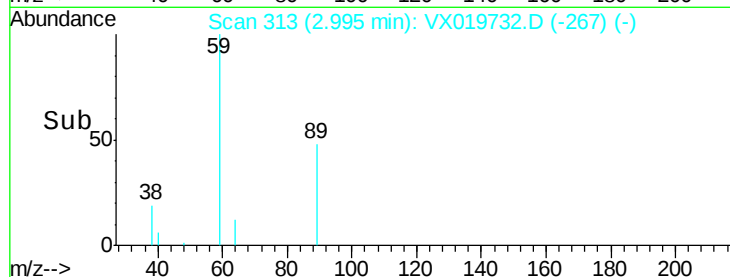
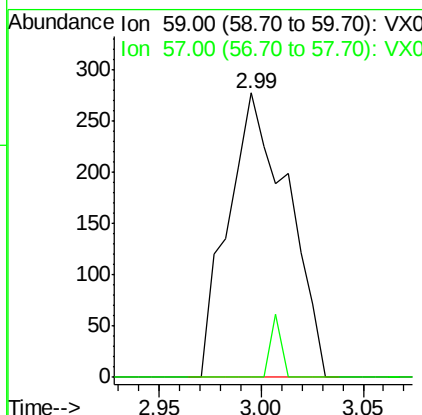
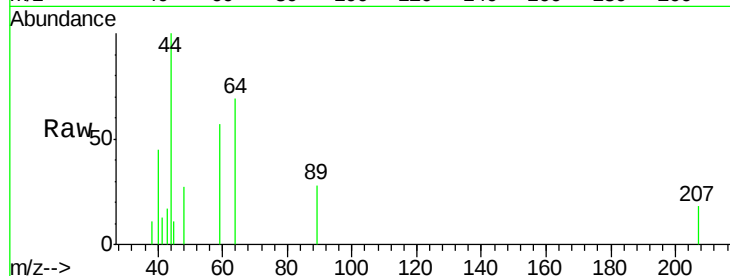


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 2.99 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX019732.D
 Acq: 04 Dec 2020 21:13

Instrument :
 MSVOA_X
 ClientSampleId :
 BES-13SR

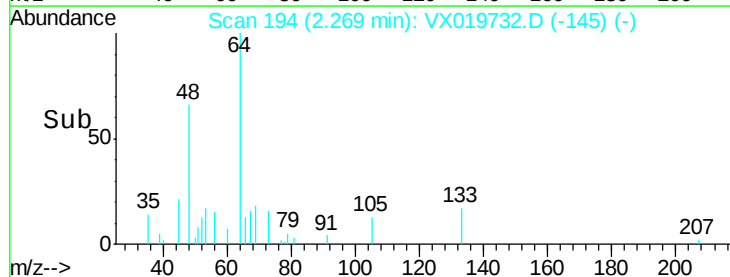
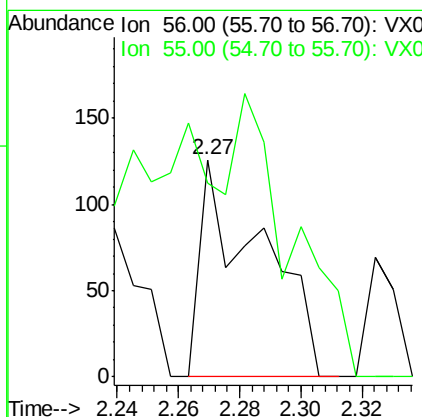
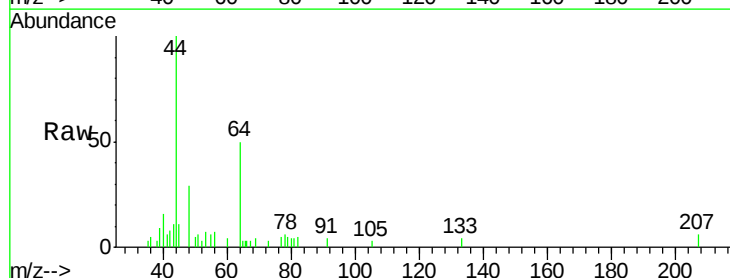
Tot Ion: 59 Resp: 563
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

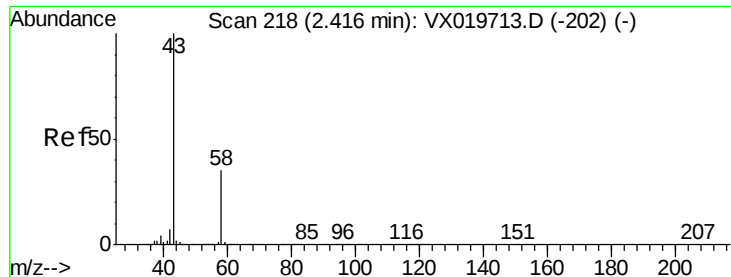


#13

Acrolein
 Concen: 0.353 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX019732.D
 Acq: 04 Dec 2020 21:13

Tgt Ion: 56 Resp: 172
 Ion Ratio Lower Upper
 56 100
 55 100.0 56.4 84.6#





#16

Acetone

Concen: 0.941 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

Instrument :

MSVOA_X

ClientSampleId :

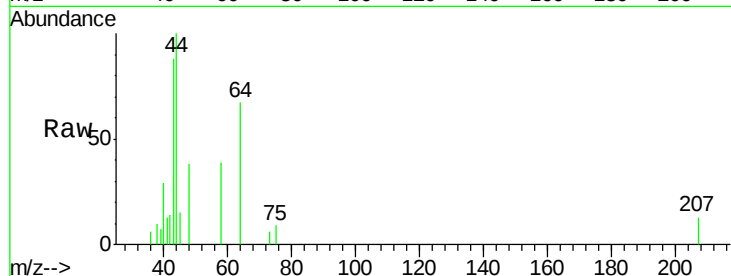
BES-13SR

Tot Ion: 43 Resp: 1559

Ion Ratio Lower Upper

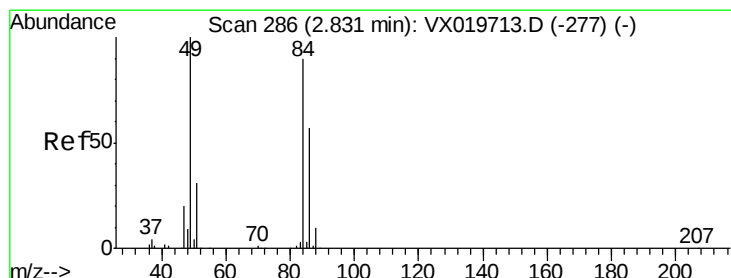
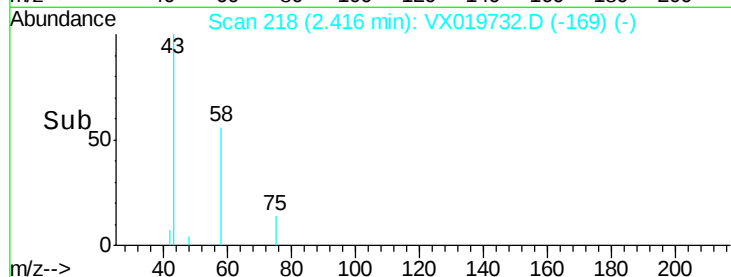
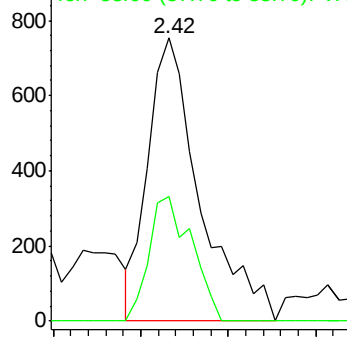
43 100

58 44.1 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

Tgt Ion: 84 Resp: 499

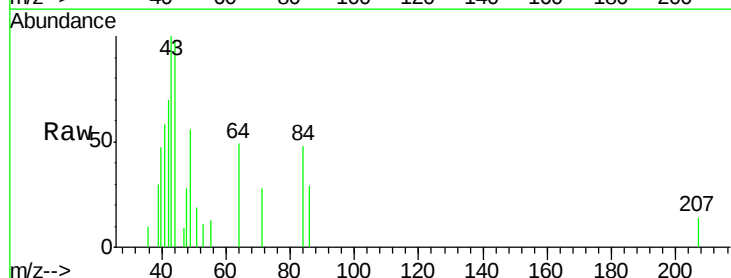
Ion Ratio Lower Upper

84 100

49 115.8 88.6 132.8

51 38.4 27.0 40.6

86 59.6 50.3 75.5

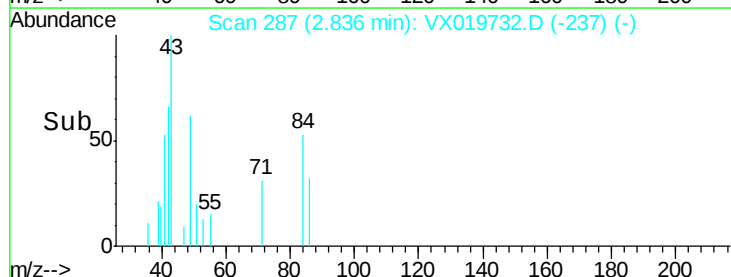
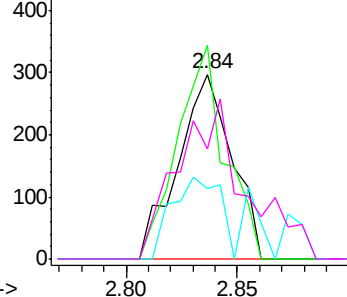


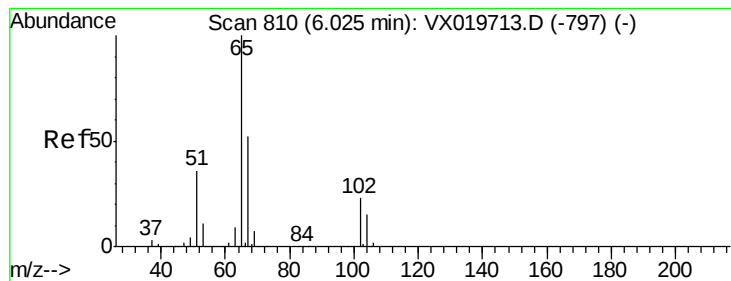
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.046 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

Instrument :

MSVOA_X

ClientSampleId :

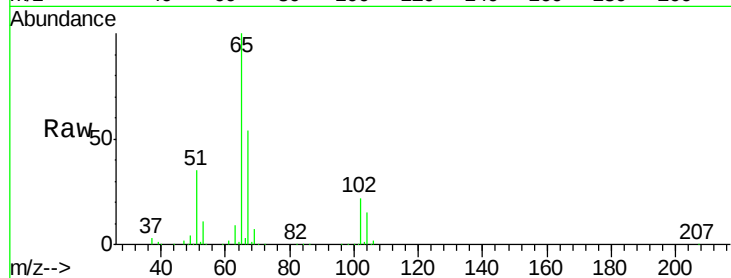
BES-13SR

Tot Ion: 65 Resp: 203061

Ion Ratio Lower Upper

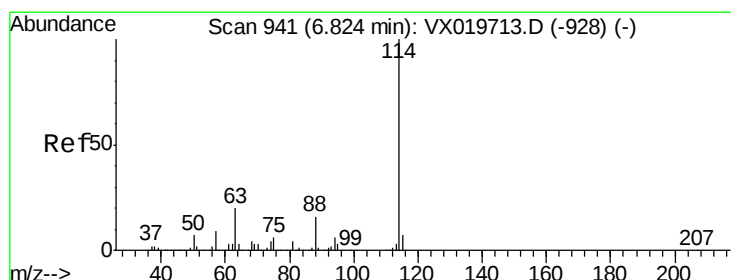
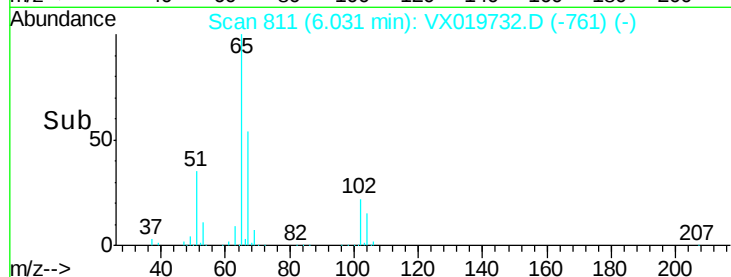
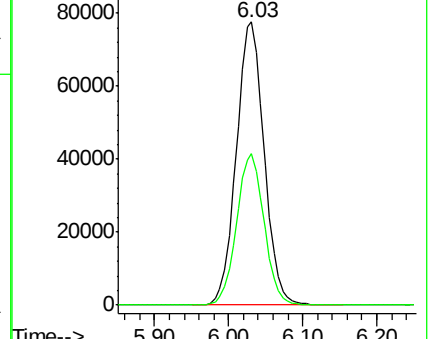
65 100

67 52.9 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

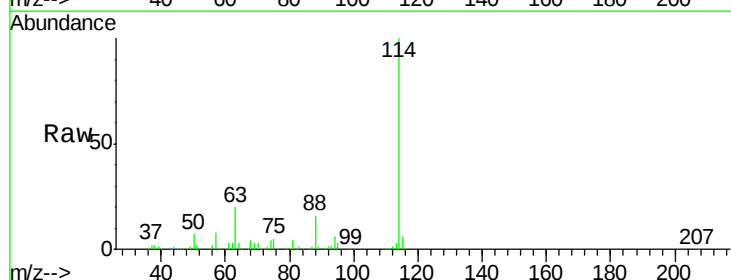
Tgt Ion: 114 Resp: 541630

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

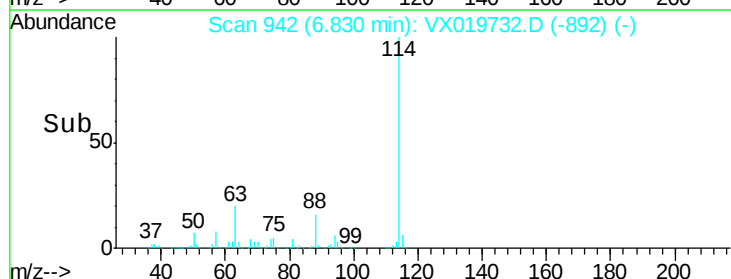
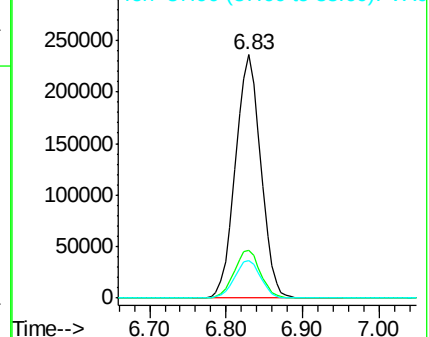
88 15.6 0.0 32.8

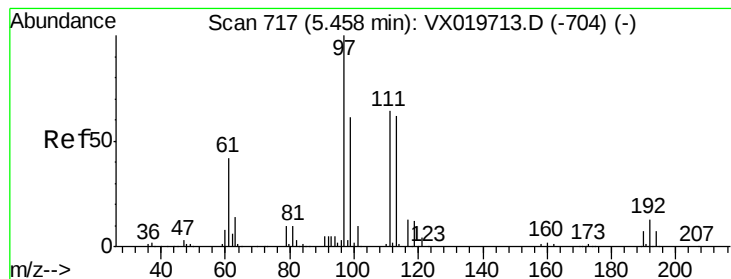


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.677 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

Instrument :

MSVOA_X

ClientSampleId :

BES-13SR

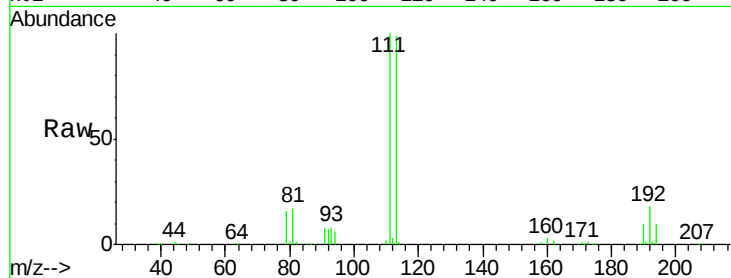
Tot Ion:113 Resp: 163393

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

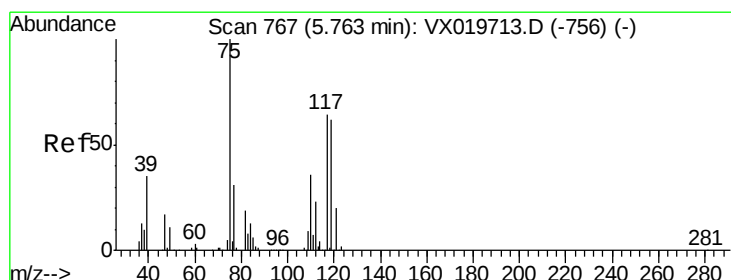
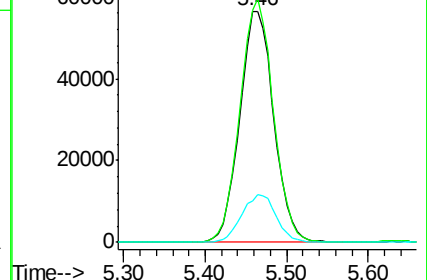
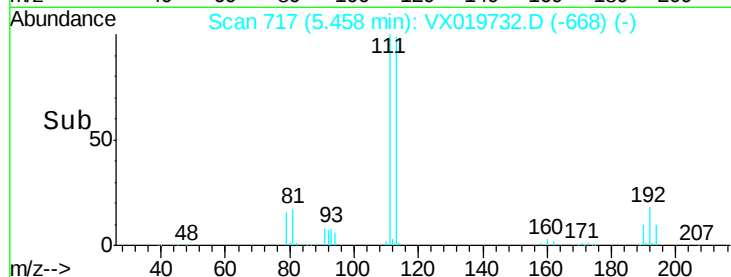
192 20.9 16.7 25.1



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: 5.081 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

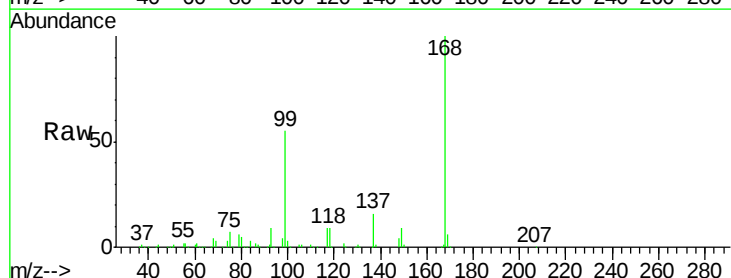
Tgt Ion: 75 Resp: 24867

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.4#

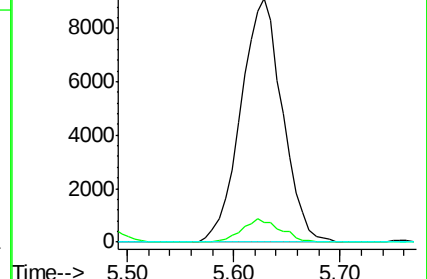
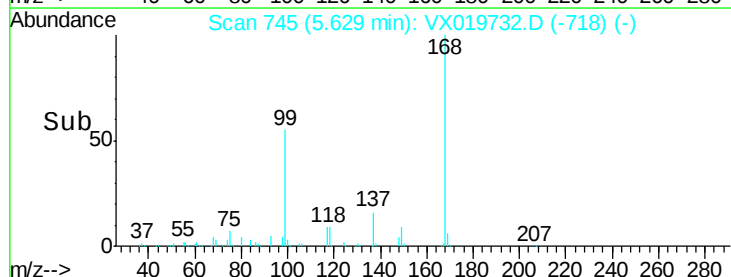
77 0.0 25.3 37.9#

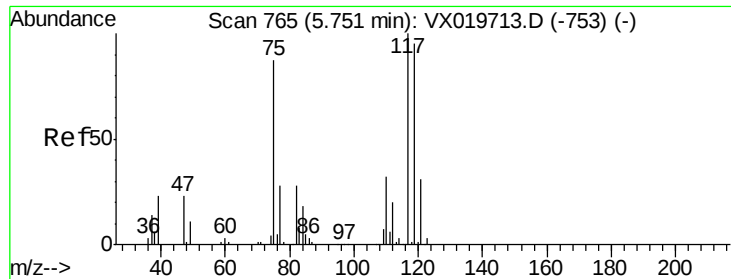


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

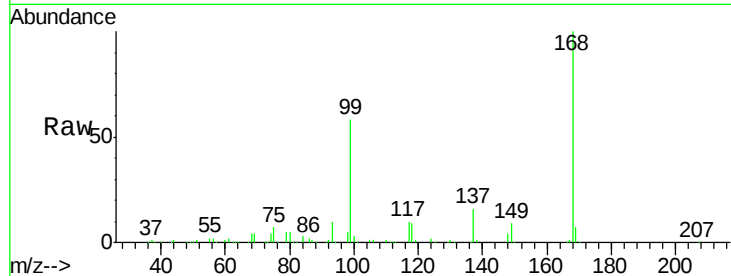




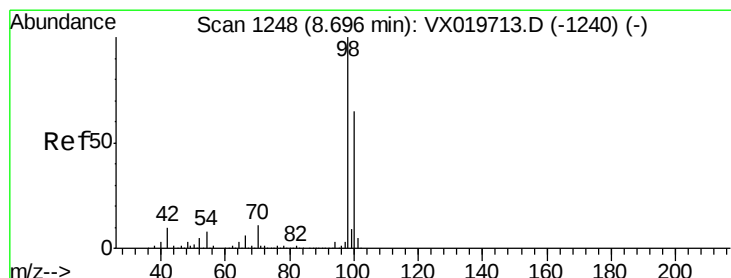
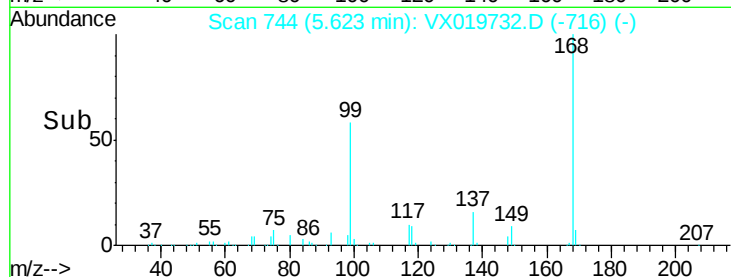
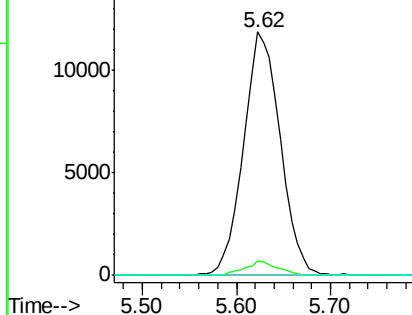
#38
Carbon Tetrachloride
Concen: 6.767 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019732.D
Acq: 04 Dec 2020 21:13

Instrument :
MSVOA_X
ClientSampleId :
BES-13SR

Tot Ion:117 Resp: 32435
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.8 37.2#

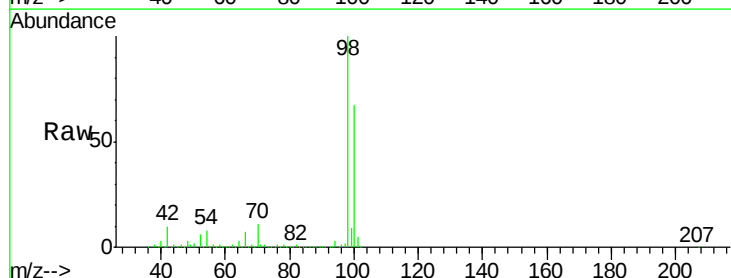


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

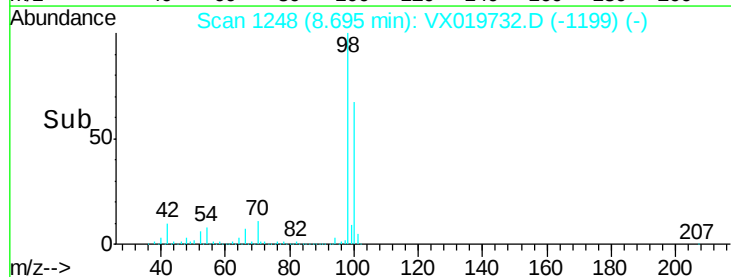
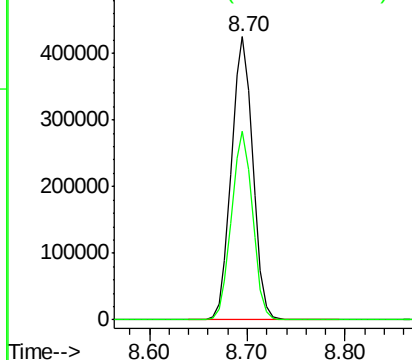


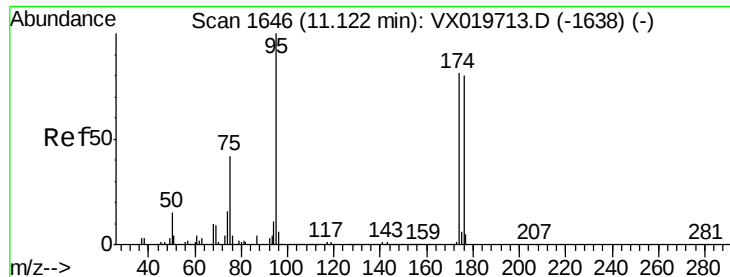
#50
Toluene-d8
Concen: 48.435 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019732.D
Acq: 04 Dec 2020 21:13

Tgt Ion: 98 Resp: 647274
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



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





#62

4-Bromofluorobenzene

Concen: 45.393 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

Instrument :

MSVOA_X

ClientSampleId :

BES-13SR

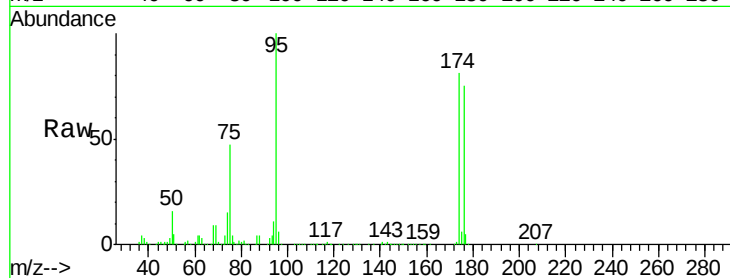
Tot Ion: 95 Resp: 230889

Ion Ratio Lower Upper

95 100

174 78.7 0.0 154.6

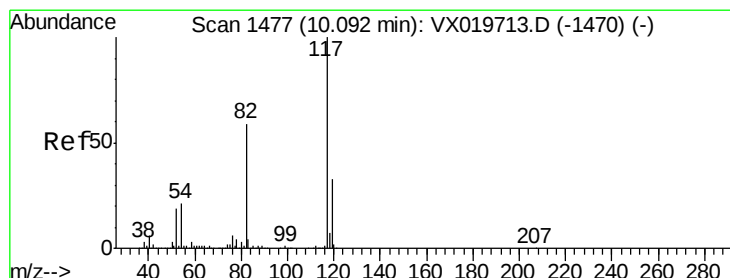
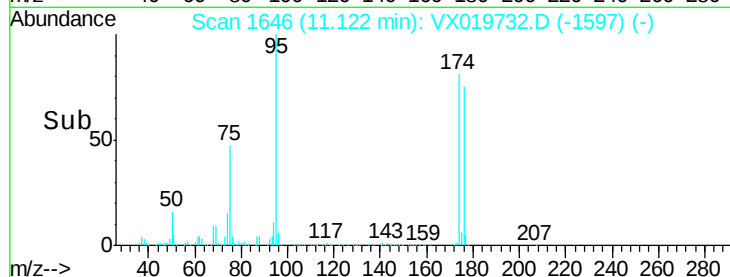
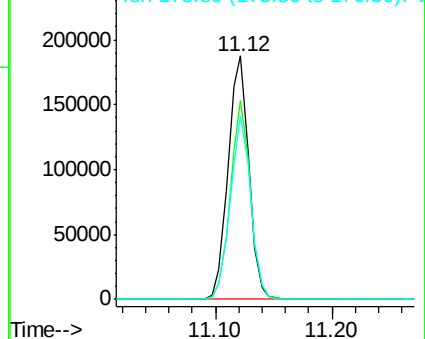
176 74.5 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX019713.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX019713.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX019713.D (-1638) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.01 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

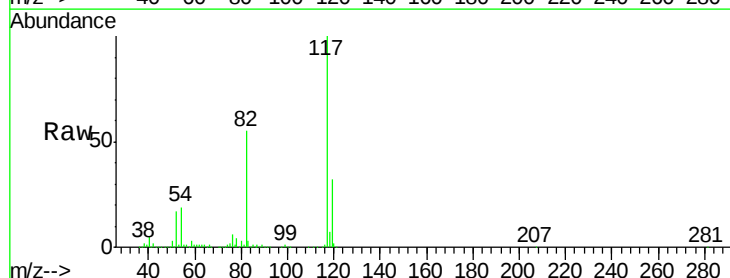
Tgt Ion: 117 Resp: 491682

Ion Ratio Lower Upper

117 100

82 54.7 47.4 71.2

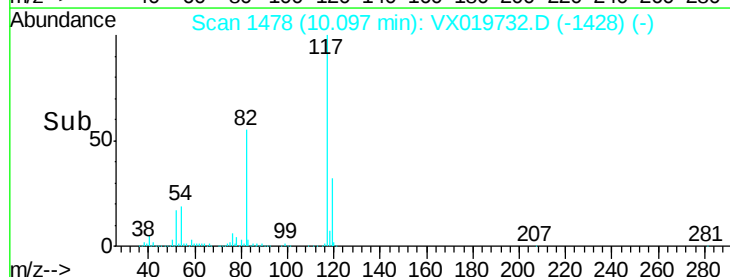
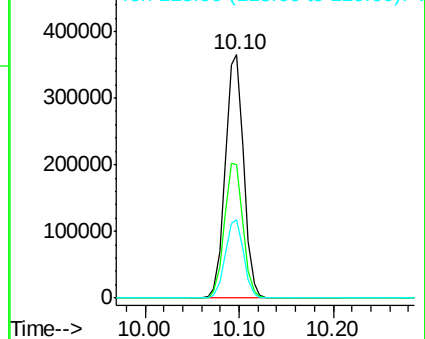
119 32.2 26.6 39.8

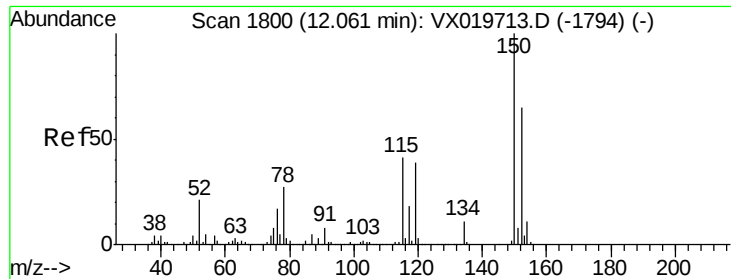


Abundance Ion 116.90 (116.60 to 117.60): VX019713.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX019713.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX019713.D (-1470) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

Instrument :

MSVOA_X

ClientSampleId :

BES-13SR

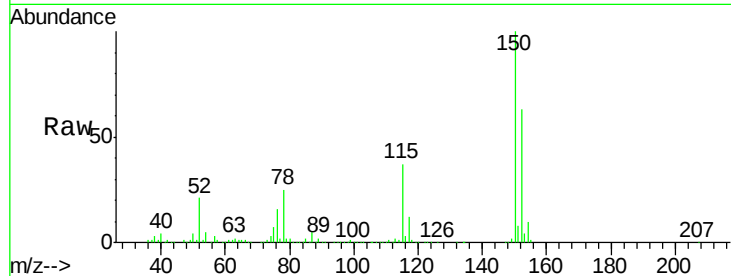
Tot Ion:152 Resp: 216275

Ion Ratio Lower Upper

152 100

115 58.8 41.1 123.3

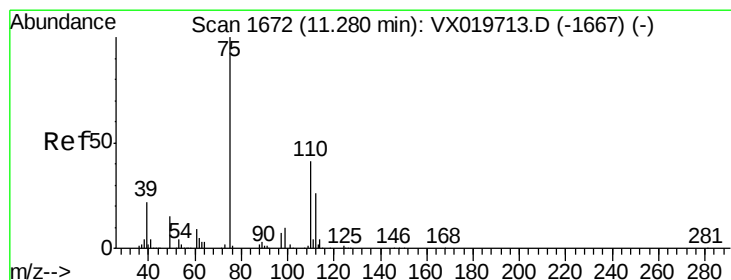
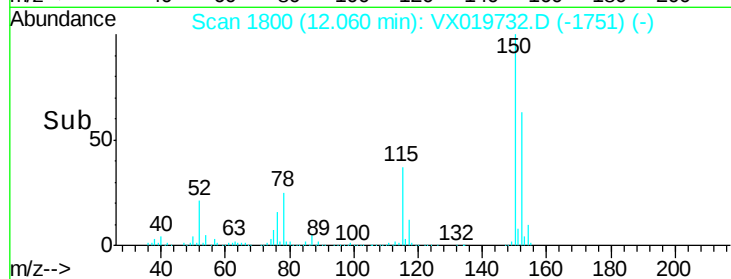
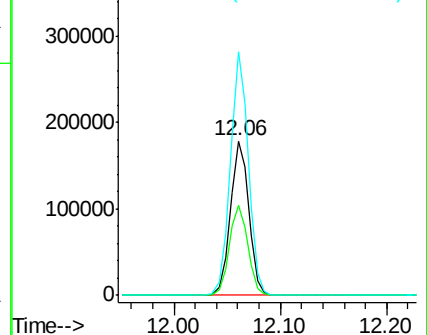
150 155.0 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 22.882 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019732.D

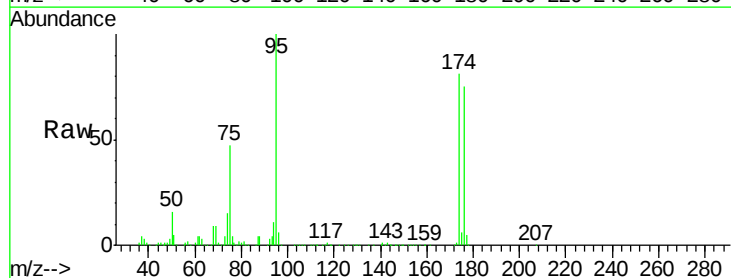
Acq: 04 Dec 2020 21:13

Tgt Ion: 75 Resp: 110995

Ion Ratio Lower Upper

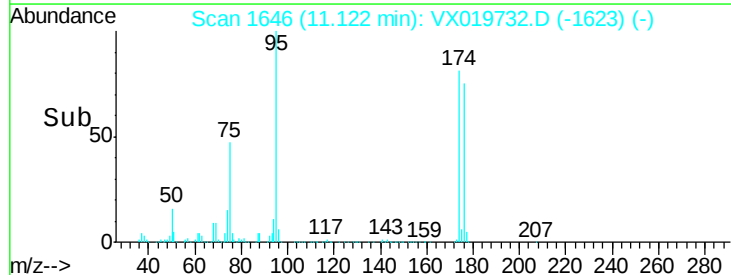
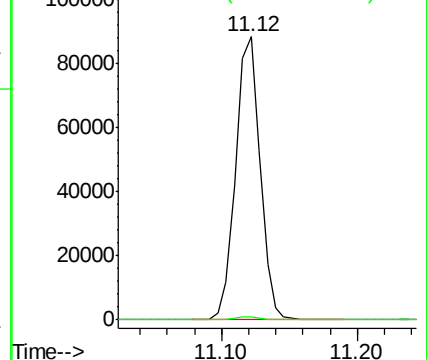
75 100

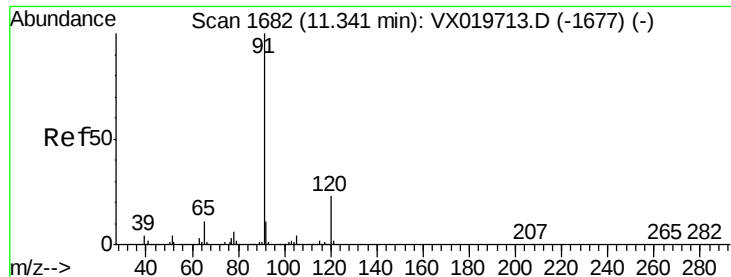
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.486 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

Instrument :

MSVOA_X

ClientSampleId :

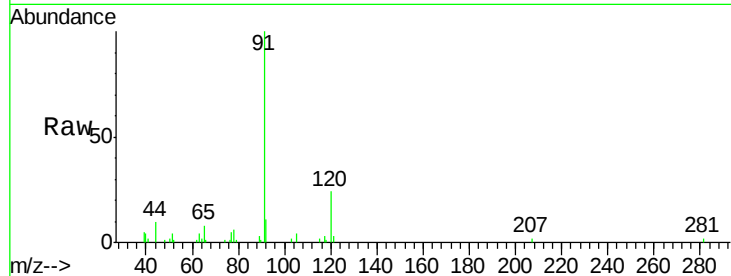
BES-13SR

Tot Ion: 91 Resp: 8205

Ion Ratio Lower Upper

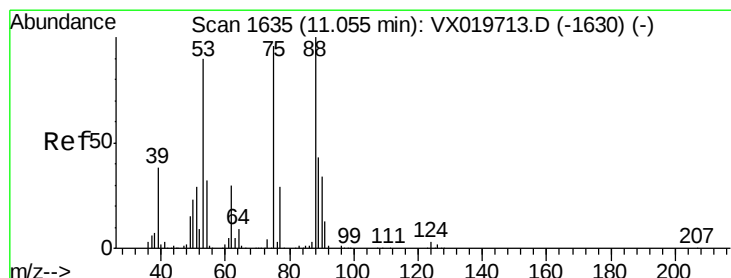
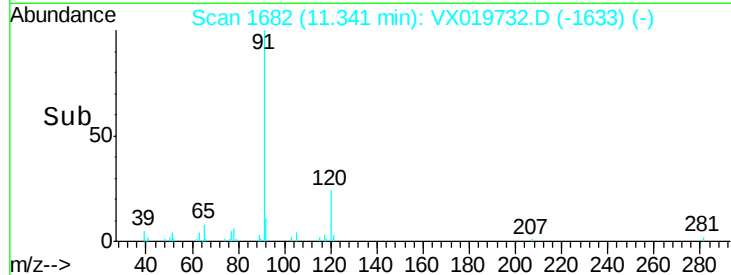
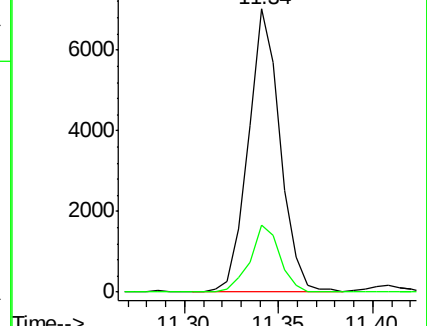
91 100

120 22.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 66.149 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

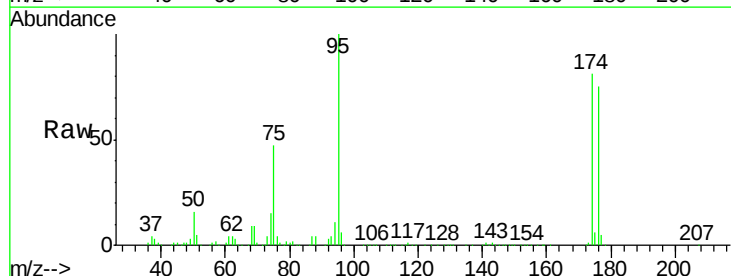
Tgt Ion: 75 Resp: 110995

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

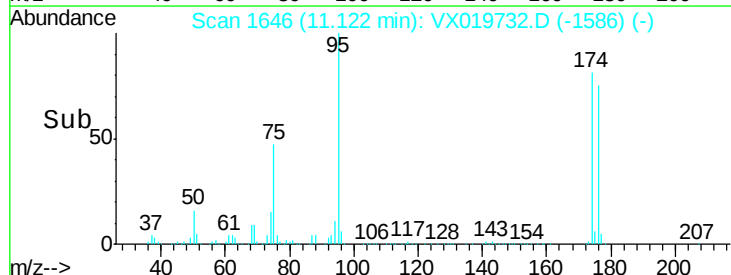
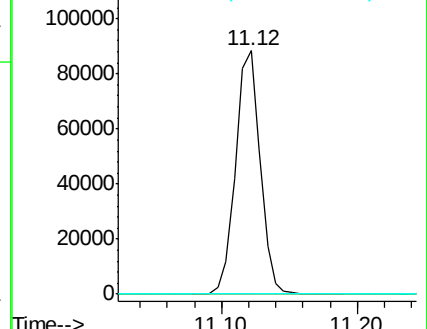
89 0.0 37.9 56.9#

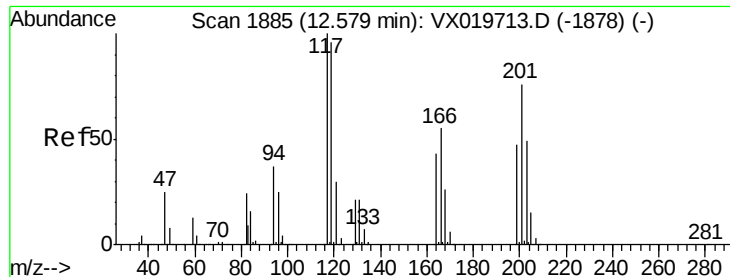


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 0.309 ug/l

RT: 12.65 min Scan# 1897

Delta R.T. 0.07 min

Lab File: VX019732.D

Acq: 04 Dec 2020 21:13

Instrument :

MSVOA_X

ClientSampleId :

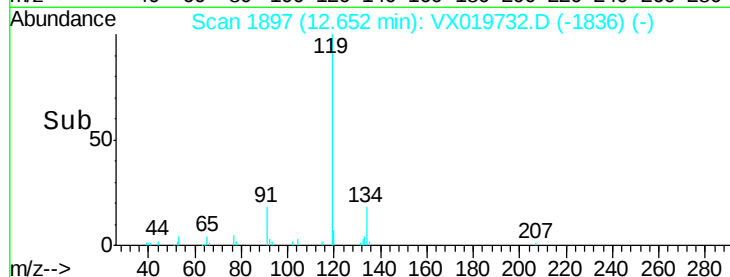
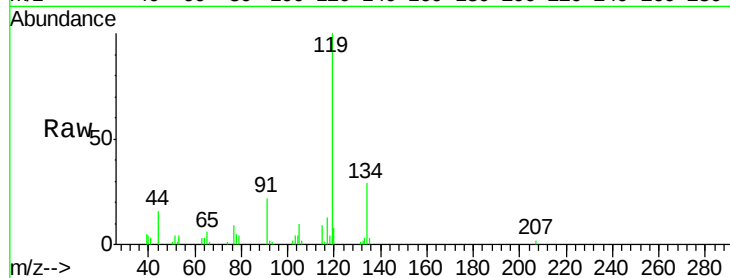
BES-13SR

Tot Ion:117 Resp: 682

Ion Ratio Lower Upper

117 100

201 0.0 40.4 121.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

