

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013807.D
 Acq On : 26 Nov 2019 23:39
 Operator : SY/MD
 Sample : K6056-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFE14

Quant Time: Dec 11 07:22:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	315943	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	317218	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	140923	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80401	4.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.20%
7) Chloroethane-d5	1.58	69	76783	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.14	63	816593	24.81	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	496.20%#
20) 2-Butanone-d5	3.94	46	251531	61.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.74%
24) Chloroform-d	4.40	84	176017	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.08	65	96157	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.10	84	359663	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.11	67	117624	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.36	98	295952	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	7.66	79	40526	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.13	63	192476	54.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	91227	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	131467	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

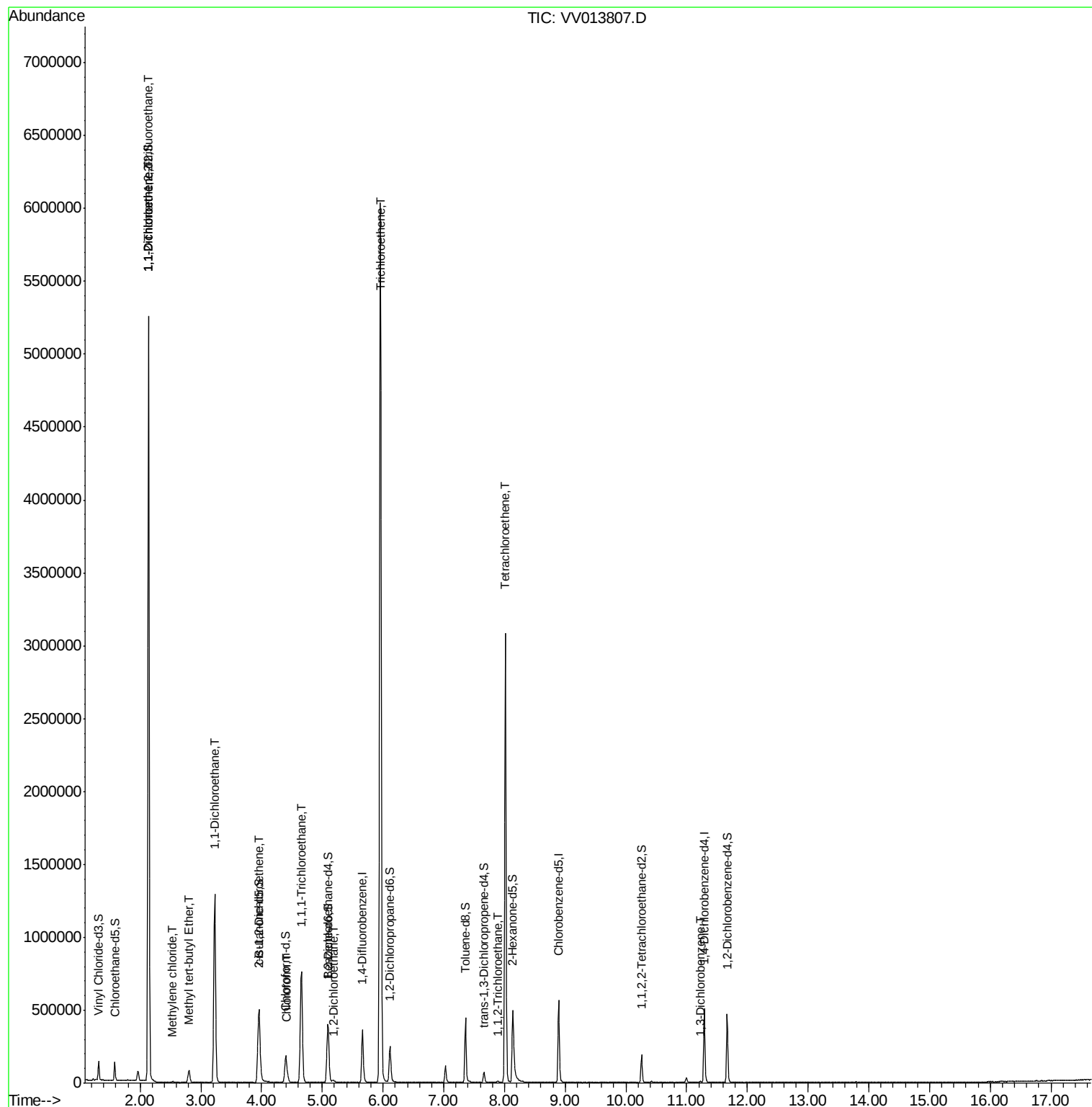
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	177642	10.200	ug/L	98
12) 1,1-Dichloroethene	2.14	96	1388191	91.387	ug/L #	65
16) Methylene chloride	2.53	84	3204	0.154	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	81576	1.962	ug/L	98
19) 1,1-Dichloroethane	3.23	63	1287758	37.605	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	230440	11.456	ug/L	100
25) Chloroform	4.43	83	33497	0.923	ug/L	94
27) 1,2-Dichloroethane	5.18	62	11681	0.562	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	600060	18.492	ug/L	99
34) Trichloroethene	5.95	95	1991586	92.781	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	3477	0.244	ug/L	92
47) Tetrachloroethene	8.02	164	740516	39.729	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	4035	0.099	ug/L	91

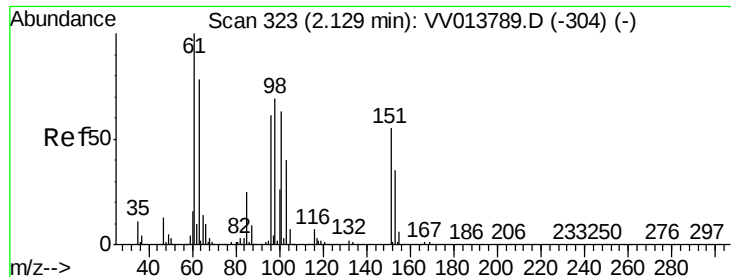
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
Data File : VV013807.D
Acq On : 26 Nov 2019 23:39
Operator : SY/MD
Sample : K6056-07
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFE14

Quant Time: Dec 11 07:22:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 03:09:16 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 10.200 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013807.D

Acq: 26 Nov 2019 23:39

Instrument :

MSVOA_V

ClientSampleId :

BFE14

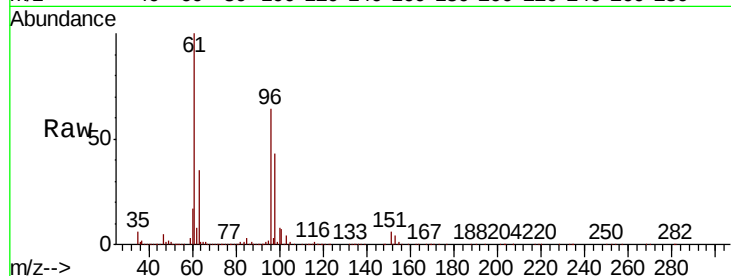
Tot Ion:101 Resp: 177642

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.0

151 88.4 69.4 104.0

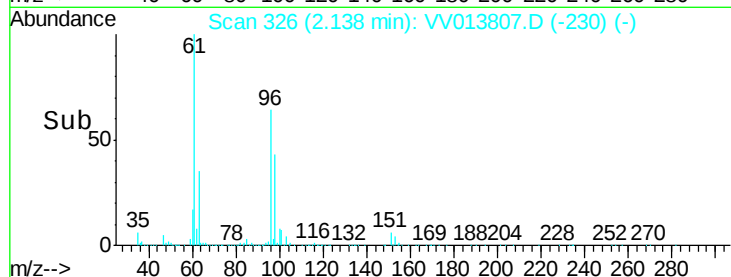


Abundance Ion 101.00 (100.70 to 101.70): VV013807.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV013807.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV013807.D (-230) (-)

Time-->

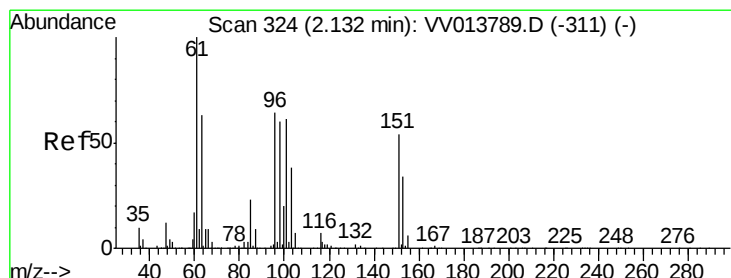


Abundance Ion 101.00 (100.70 to 101.70): VV013807.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV013807.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV013807.D (-230) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 91.387 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013807.D

Acq: 26 Nov 2019 23:39

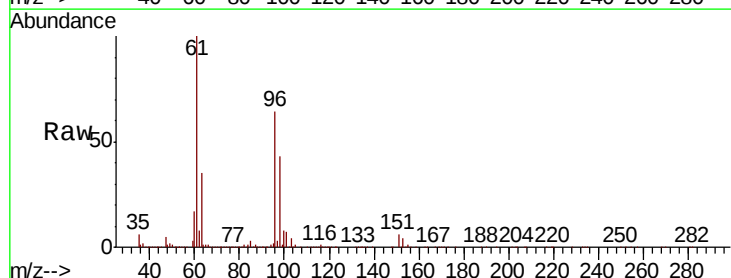
Tgt Ion: 96 Resp: 1388191

Ion Ratio Lower Upper

96 100

61 156.0 116.3 215.9

63 55.1 96.7 179.7#

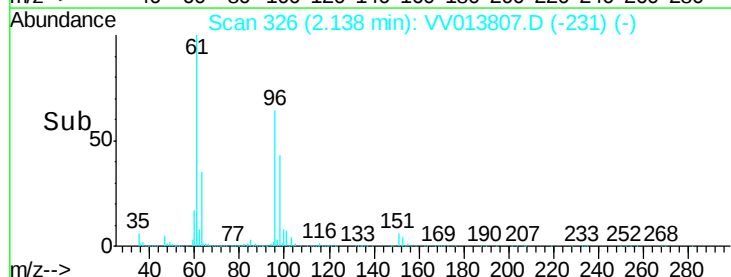


Abundance Ion 96.00 (95.70 to 96.70): VV013807.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV013807.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV013807.D (-231) (-)

Time-->

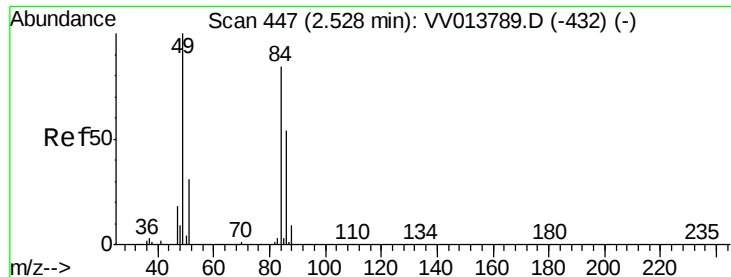


Abundance Ion 96.00 (95.70 to 96.70): VV013807.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV013807.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV013807.D (-231) (-)

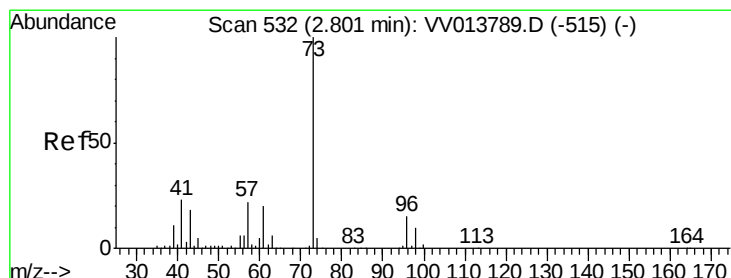
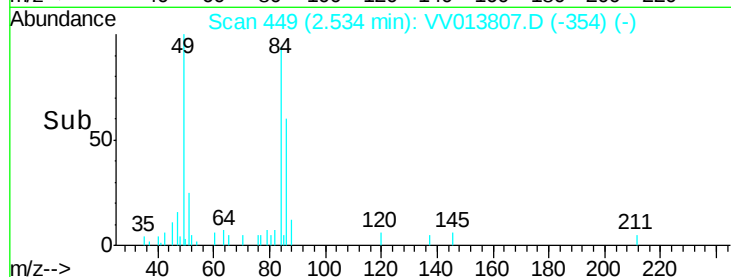
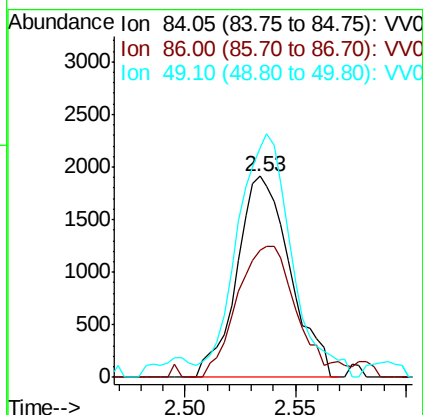
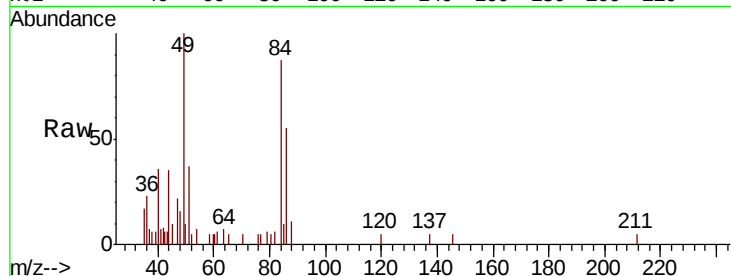
Time-->



#16
Methylene chloride
Concen: 0.154 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.01 min
Lab File: VV013807.D
Acq: 26 Nov 2019 23:39

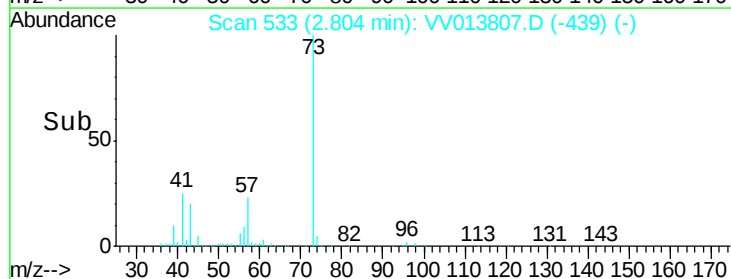
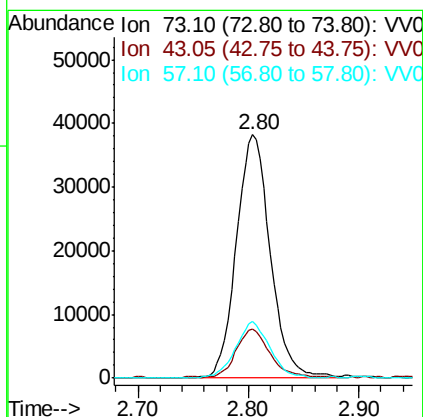
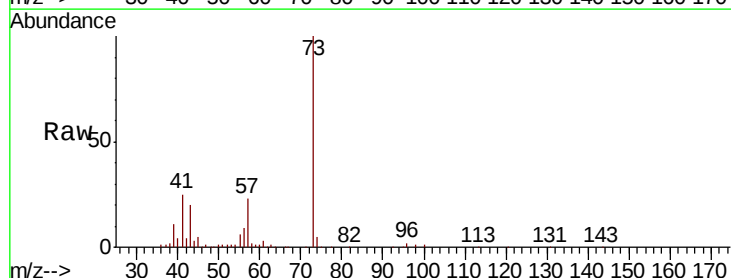
Instrument :
MSVOA_V
ClientSampled :
BFE14

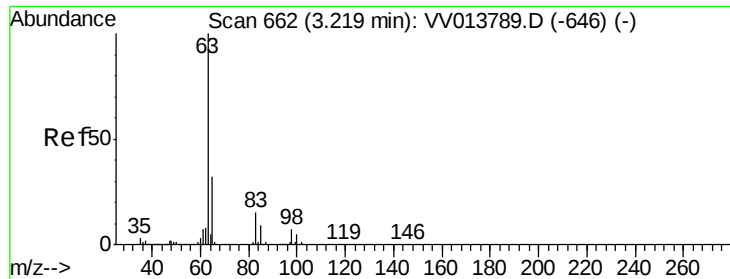
Tot Ion: 84 Resp: 3204
Ion Ratio Lower Upper
84 100
86 63.4 44.0 81.6
49 114.4 81.5 151.5



#17
Methyl tert-butyl Ether
Concen: 1.962 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013807.D
Acq: 26 Nov 2019 23:39

Tgt Ion: 73 Resp: 81576
Ion Ratio Lower Upper
73 100
43 19.8 15.5 23.3
57 23.4 17.5 26.3





#19

1,1-Dichloroethane

Concen: 37.605 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.01 min

Lab File: VV013807.D

Acq: 26 Nov 2019 23:39

Instrument :

MSVOA_V

ClientSampled :

BFE14

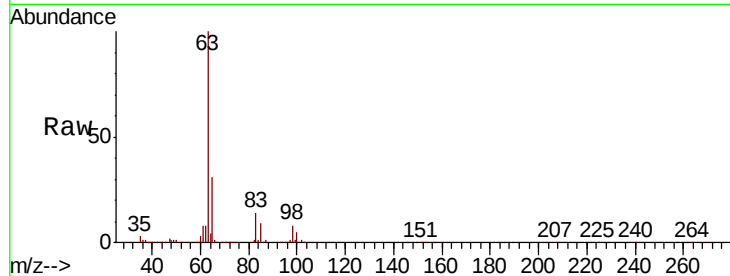
Tot Ion: 63 Resp: 1287758

Ion Ratio Lower Upper

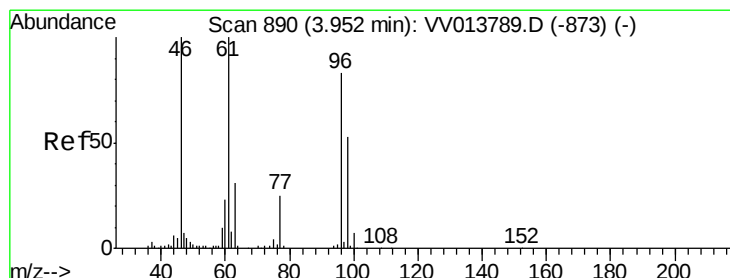
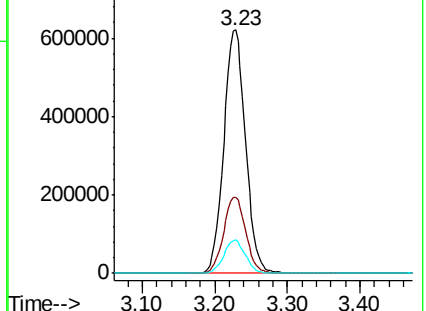
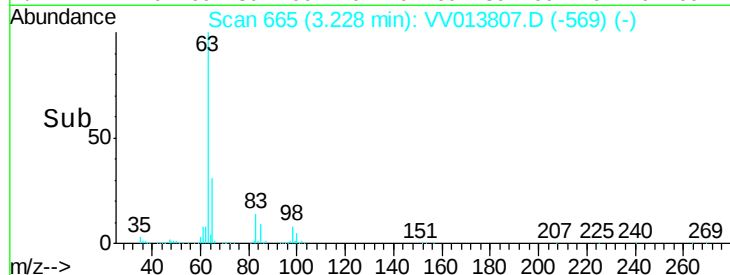
63 100

65 31.4 22.7 42.1

83 13.6 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV013807.D (-569) (-)



#22

cis-1,2-Dichloroethene

Concen: 11.456 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.01 min

Lab File: VV013807.D

Acq: 26 Nov 2019 23:39

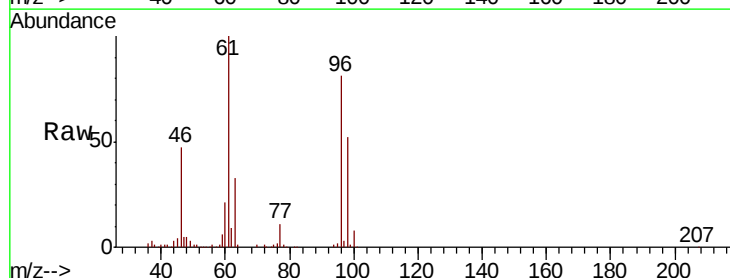
Tgt Ion: 96 Resp: 230440

Ion Ratio Lower Upper

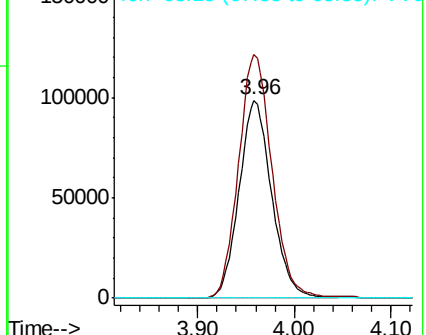
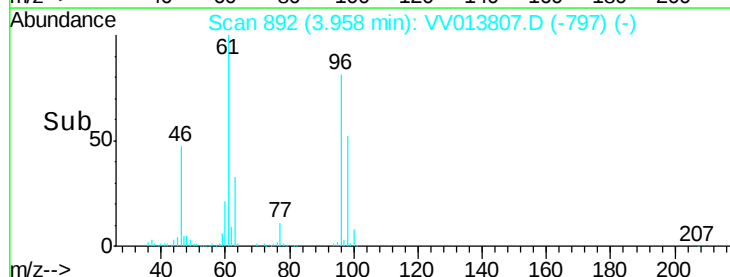
96 100

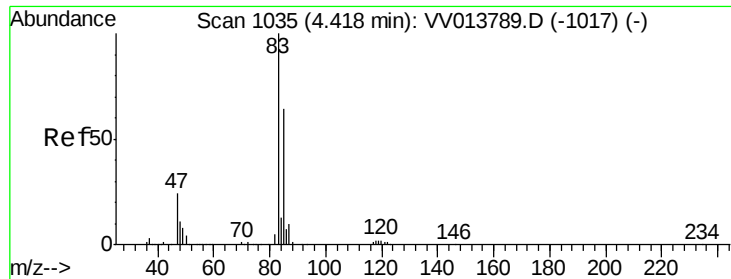
61 123.1 86.1 159.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV013807.D (-797) (-)

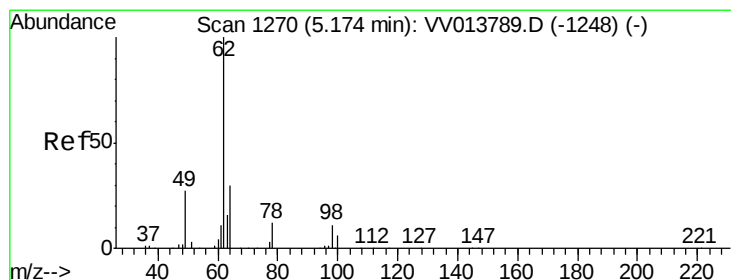
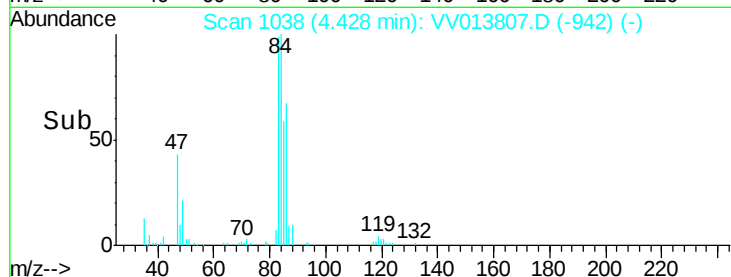
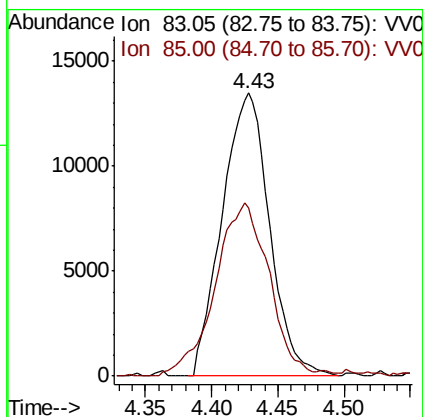
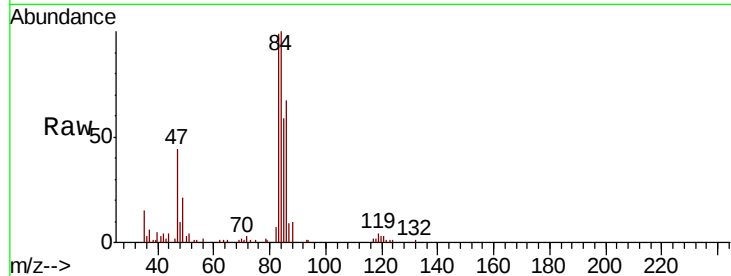




#25
Chloroform
Concen: 0.923 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV013807.D
Acq: 26 Nov 2019 23:39

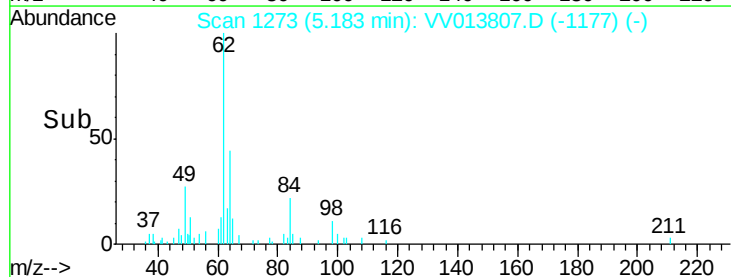
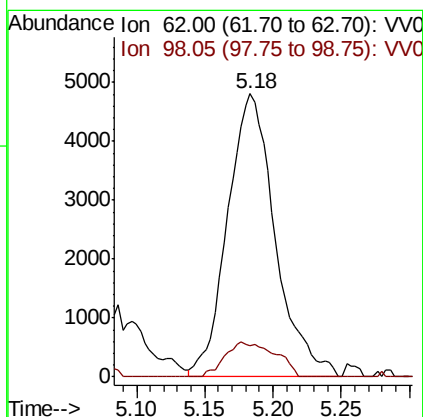
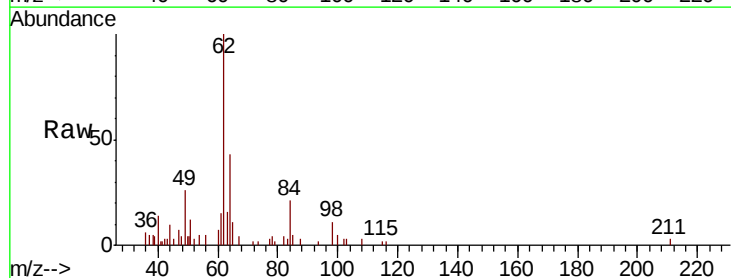
Instrument :
MSVOA_V
ClientSampled :
BFE14

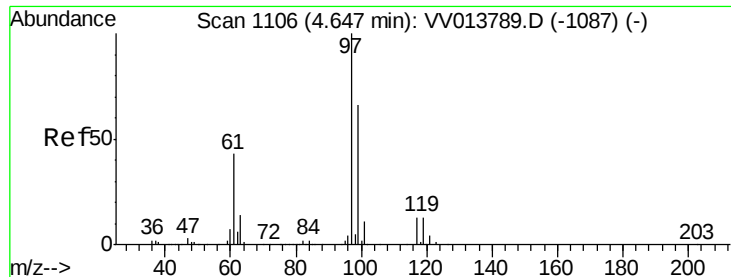
Tot Ion: 83 Resp: 33497
Ion Ratio Lower Upper
83 100
85 59.6 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.562 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV013807.D
Acq: 26 Nov 2019 23:39

Tgt Ion: 62 Resp: 11681
Ion Ratio Lower Upper
62 100
98 11.1 8.2 12.2

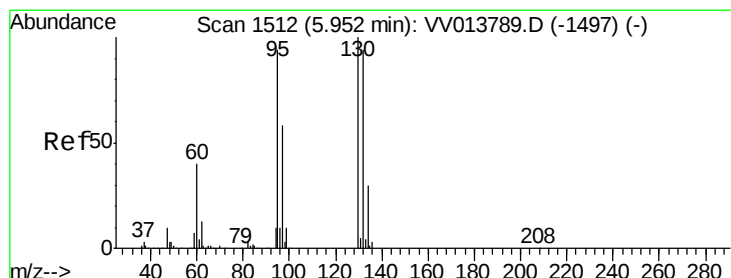
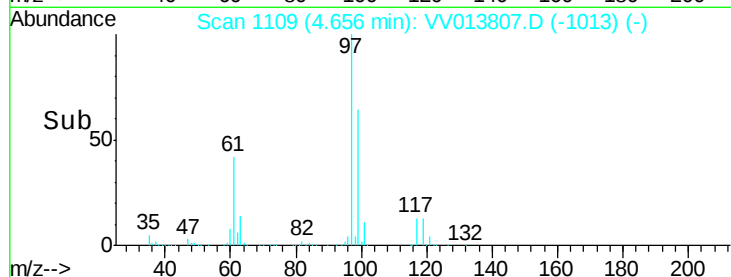
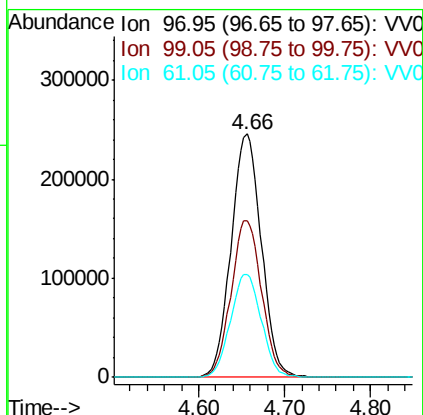
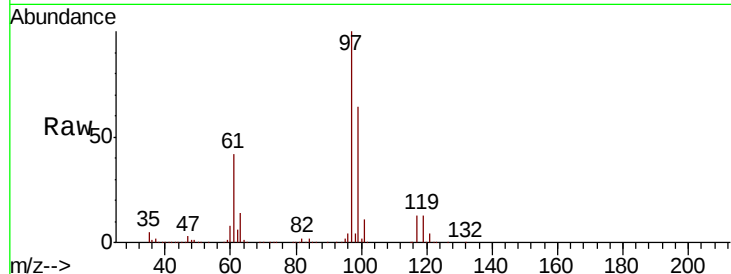




#29
1,1,1-Trichloroethane
Concen: 18.492 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VV013807.D
Acq: 26 Nov 2019 23:39

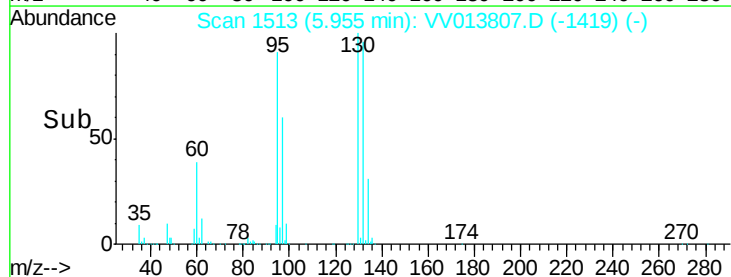
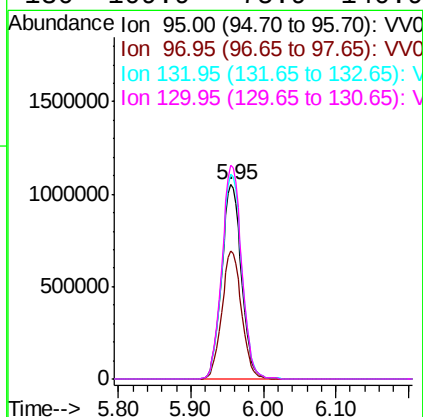
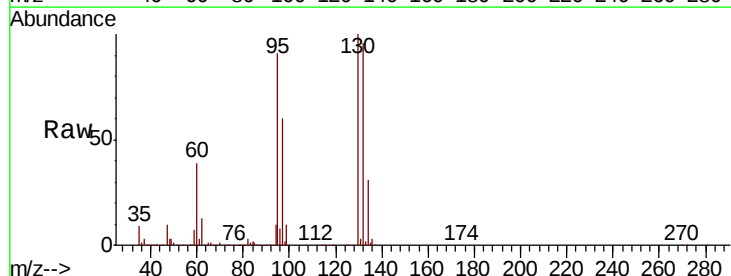
Instrument :
MSVOA_V
ClientSampleId :
BFE14

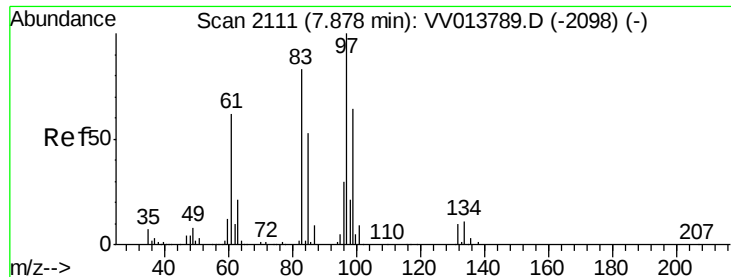
Tot Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	43.2	35.0	52.6



#34
Trichloroethene
Concen: 92.781 ug/L
RT: 5.95 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013807.D
Acq: 26 Nov 2019 23:39

Tgt Ion	Ratio	Lower	Upper
95	100		
97	66.0	45.6	84.8
132	105.4	70.5	130.9
130	109.9	75.9	140.9

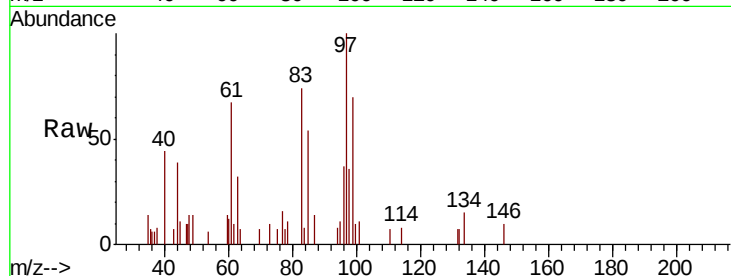




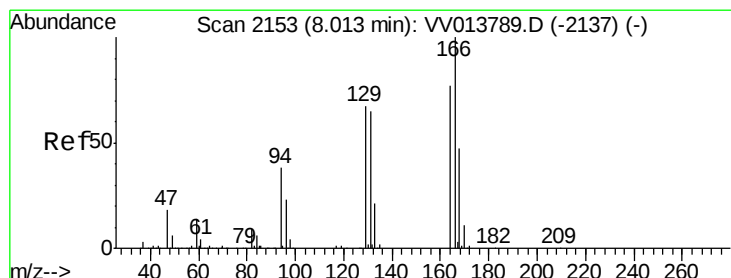
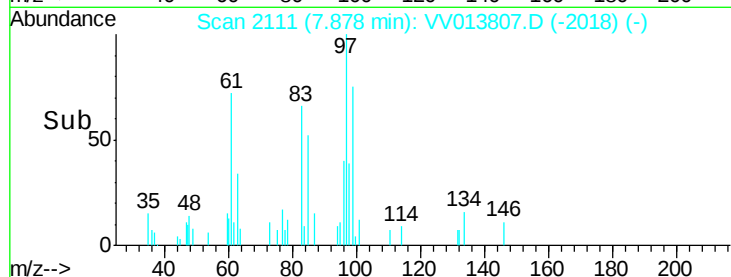
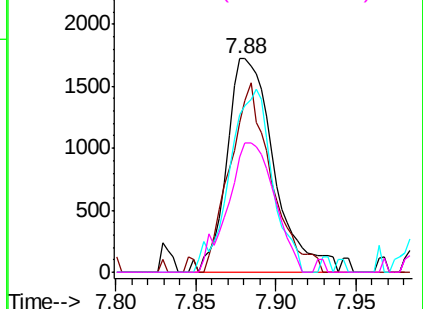
#45
1,1,2-Trichloroethane
Concen: 0.244 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VV013807.D
Acq: 26 Nov 2019 23:39

Instrument :
MSVOA_V
ClientSampled :
BFE14

Tot Ion:	97	Resp:	3477
Ion	Ratio	Lower	Upper
97	100		
99	70.2	44.2	82.0
83	74.0	59.7	110.9
85	54.2	38.3	71.1

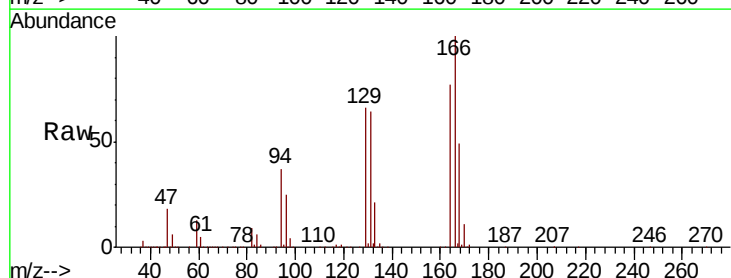


Abundance Ion 96.95 (96.65 to 97.65): VV013807.D (-2060) (-)
Ion 99.05 (98.75 to 99.75): VV013807.D (-2060) (-)
Ion 82.95 (82.65 to 83.65): VV013807.D (-2060) (-)
Ion 85.00 (84.70 to 85.70): VV013807.D (-2060) (-)

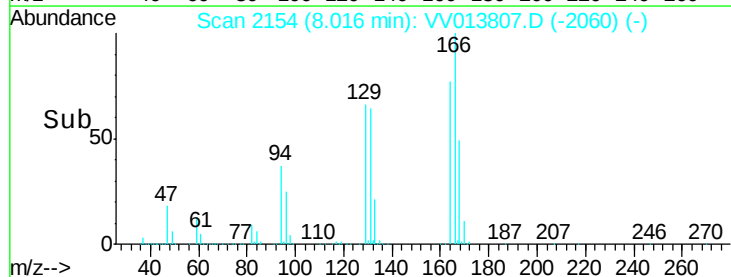
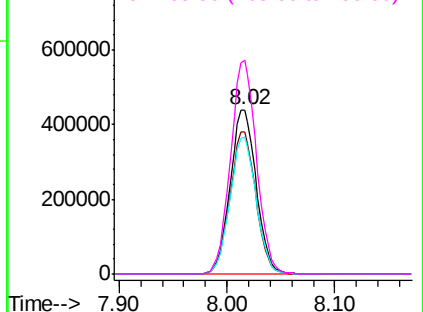


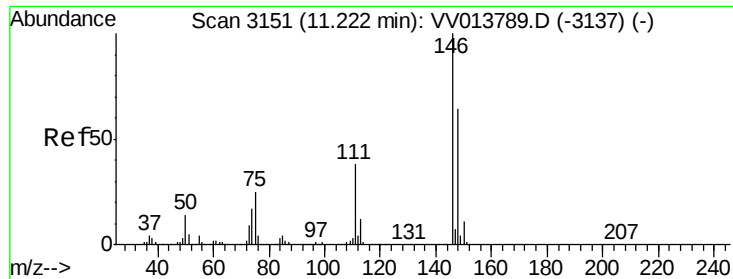
#47
Tetrachloroethene
Concen: 39.729 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013807.D
Acq: 26 Nov 2019 23:39

Tgt Ion:	164	Resp:	740516
Ion	Ratio	Lower	Upper
164	100		
129	86.4	60.3	112.1
131	83.5	59.9	111.3
166	130.0	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV013807.D (-2060) (-)
Ion 128.95 (128.65 to 129.65): VV013807.D (-2060) (-)
Ion 130.95 (130.65 to 131.65): VV013807.D (-2060) (-)
Ion 165.90 (165.60 to 166.60): VV013807.D (-2060) (-)





#62

1,3-Dichlorobenzene

Concen: 0.099 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.01 min

Lab File: VV013807.D

Acq: 26 Nov 2019 23:39

Instrument :

MSVOA_V

ClientSampleId :

BFE14

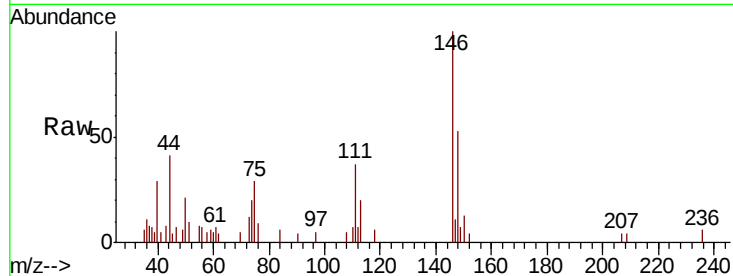
Tot Ion:146 Resp: 4035

Ion Ratio Lower Upper

146 100

111 37.2 25.6 47.6

148 52.7 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

