

Data File : VU030293.D
Acq On : 22 Mar 2019 02:14
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Quant Time: Mar 22 05:22:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	545900	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	538017	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	275571	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	167469	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.74%
7) Chloroethane-d5	1.68	69	141193	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.68%
11) 1,1-Dichloroethene-d2	2.27	63	314612	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.44%
21) 2-Butanone-d5	4.17	46	297129	108.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.50%
24) Chloroform-d	4.65	84	330655	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
26) 1,2-Dichloroethane-d4	5.31	65	188556	48.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.60%
32) Benzene-d6	5.34	84	686967	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
36) 1,2-Dichloropropane-d6	6.33	67	214595	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.84%
41) Toluene-d8	7.56	98	635990	47.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.42%
43) trans-1,3-Dichloropropene-	7.85	79	98379	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.10%
47) 2-Hexanone-d5	8.31	63	235927	103.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.71%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	337373	50.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	266543	48.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	215102	46.540 ug/L	99
3) Chloromethane	1.33	50	216145	48.313 ug/L	100
5) Vinyl chloride	1.40	62	234278	49.331 ug/L	99
6) Bromomethane	1.62	94	129137	50.247 ug/L	98
8) Chloroethane	1.70	64	135488	48.253 ug/L	99
9) Trichlorofluoromethane	1.88	101	292219	48.452 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	172621	47.070 ug/L	99
12) 1,1-Dichloroethene	2.28	96	175294	48.131 ug/L	97
13) Acetone	2.32	43	195893	68.458 ug/L	99
14) Carbon disulfide	2.48	76	498895	45.863 ug/L	99
15) Methyl Acetate	2.61	43	210772	50.652 ug/L	97
16) Methylene chloride	2.70	84	205441	49.737 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	183851	47.901 ug/L	100
18) Methyl tert-butyl Ether	3.00	73	563320	51.022 ug/L	99
19) 1,1-Dichloroethane	3.44	63	334412	50.656 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	213497	50.770 ug/L	97
22) 2-Butanone	4.26	43	311762	92.701 ug/L	99

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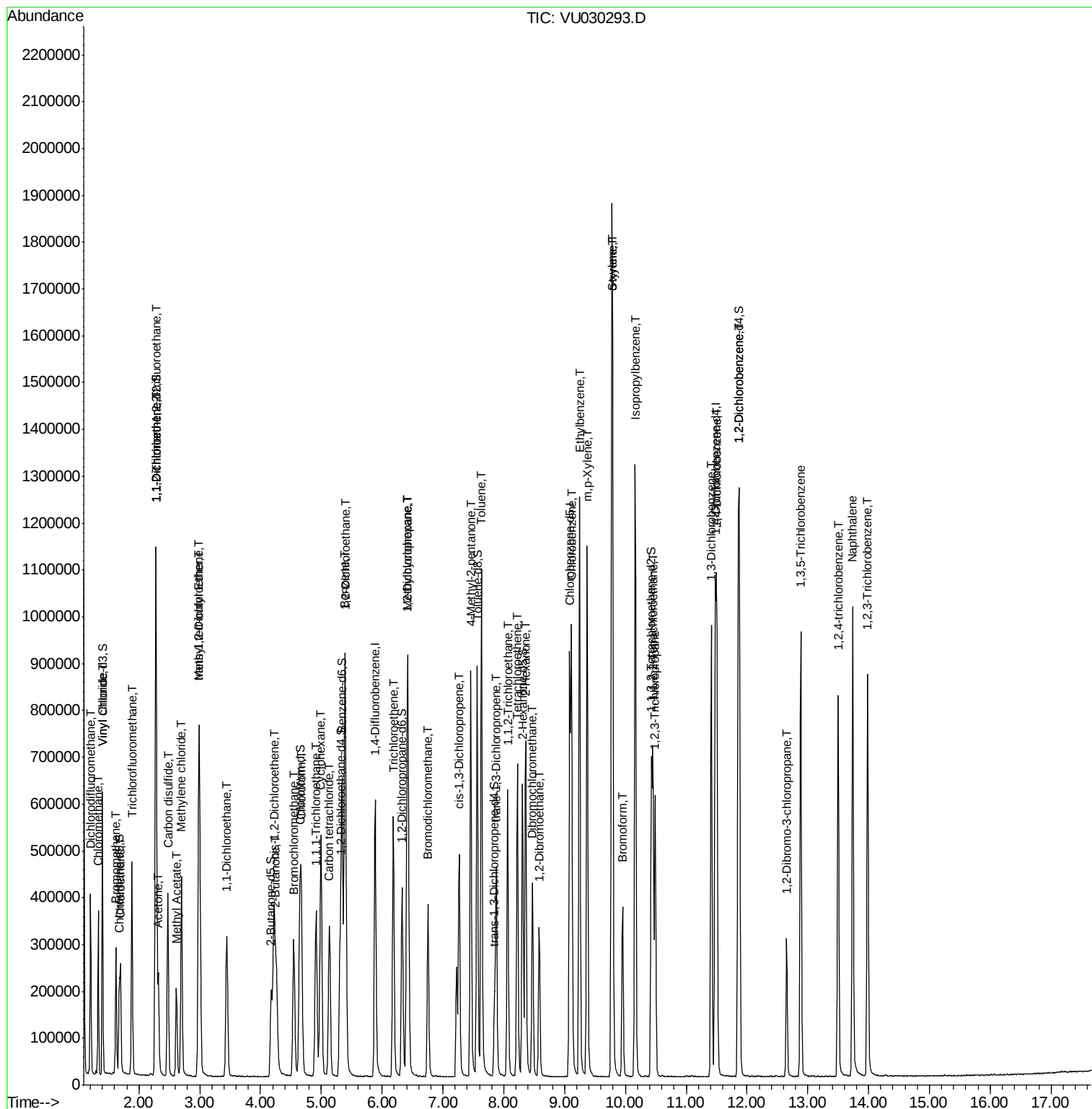
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	111813	49.680	ug/L	97
25) Chloroform	4.67	83	335989	48.852	ug/L	99
27) 1,2-Dichloroethane	5.40	62	240887	49.414	ug/L	100
29) Cyclohexane	4.99	56	285628	48.860	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	287433	49.572	ug/L	99
31) Carbon tetrachloride	5.13	117	247488	48.214	ug/L	99
33) Benzene	5.39	78	789405	50.856	ug/L	100
34) Trichloroethene	6.18	95	203570	49.757	ug/L	98
35) Methylcyclohexane	6.41	83	301863	47.052	ug/L	99
37) 1,2-Dichloropropane	6.43	63	201212	50.614	ug/L	99
38) Bromodichloromethane	6.76	83	255664	50.019	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	307941	48.280	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	559493	102.403	ug/L	98
42) Toluene	7.63	91	857415	50.749	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	270151	48.948	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	205379	50.329	ug/L	99
46) Tetrachloroethene	8.22	164	167943	48.584	ug/L	99
48) 2-Hexanone	8.36	43	440726	97.188	ug/L	98
49) Dibromochloromethane	8.47	129	223712	48.888	ug/L	100
50) 1,2-Dibromoethane	8.58	107	223735	49.452	ug/L	98
51) Chlorobenzene	9.12	112	545413	48.794	ug/L	99
52) Ethylbenzene	9.25	91	920972	50.194	ug/L	100
53) m,p-Xylene	9.37	106	357739	50.606	ug/L	100
54) o-xylene	9.78	106	352342	50.704	ug/L	99
55) Styrene	9.79	104	596246	50.642	ug/L	100
56) Isopropylbenzene	10.16	105	900036	50.097	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	349589	50.239	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	266231	49.550	ug/L	99
61) Bromoform	9.95	173	174745	49.104	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	430218	48.933	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	443548	48.636	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	438082	48.769	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	72758	48.446	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	327453	47.656	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	282605	46.509	ug/L	100
69) Naphthalene	13.74	128	863524	44.793	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	298440	47.071	ug/L	99

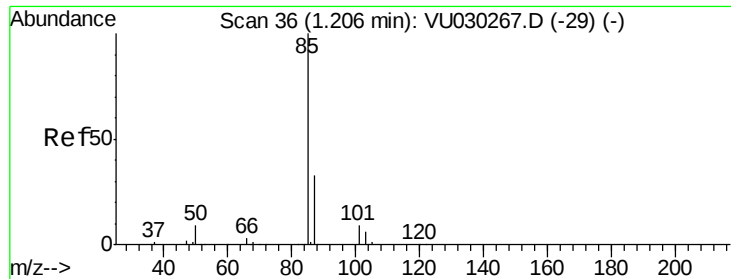
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.540 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

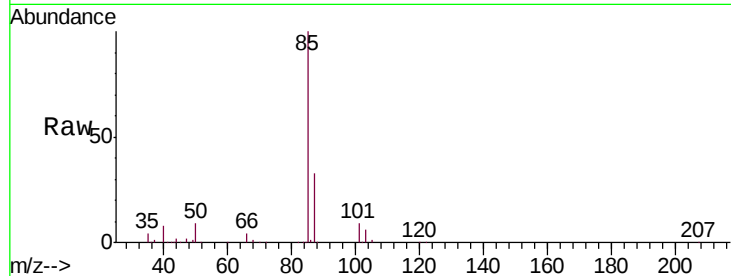
VSTD05052

Tgt Ion: 85 Resp: 215102

Ion Ratio Lower Upper

85 100

87 32.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU030267.D (-29) (-)

Ion 87.00 (86.70 to 87.70): VU030267.D (-29) (-)

1.21

250000

200000

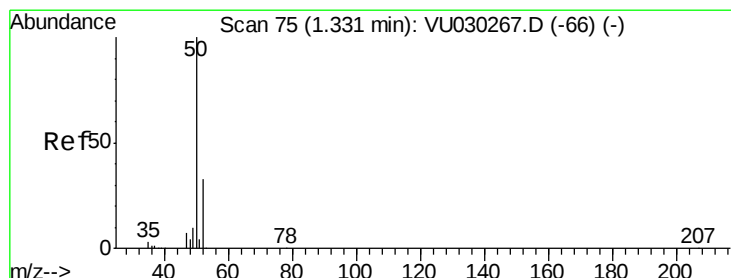
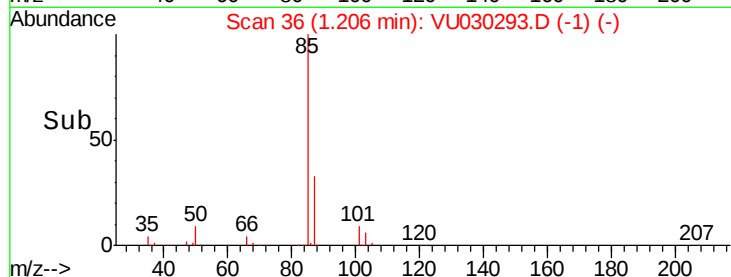
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 48.313 ug/L

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030293.D

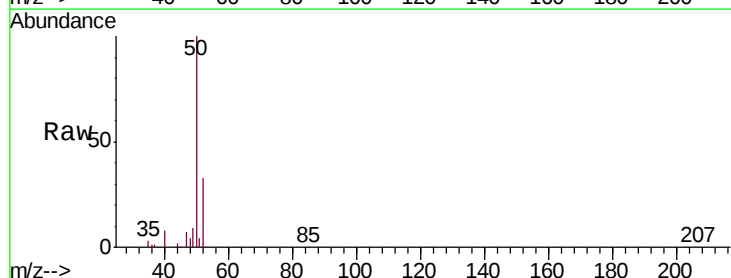
Acq: 22 Mar 2019 02:14

Tgt Ion: 50 Resp: 216145

Ion Ratio Lower Upper

50 100

52 33.4 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VU030267.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU030267.D (-66) (-)

1.33

250000

200000

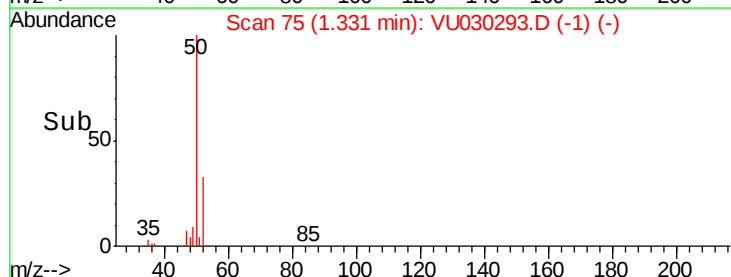
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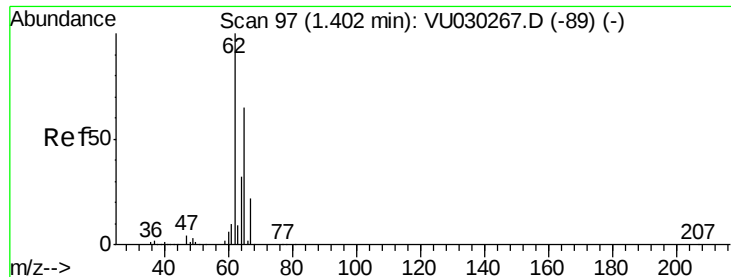
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.331 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

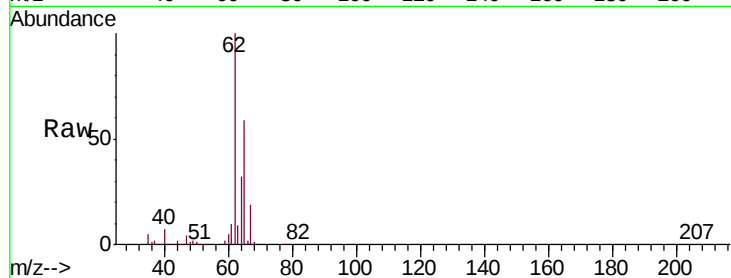
VSTD05052

Tgt Ion: 62 Resp: 234278

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU030267.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU030267.D (-89) (-)

1.40

250000

200000

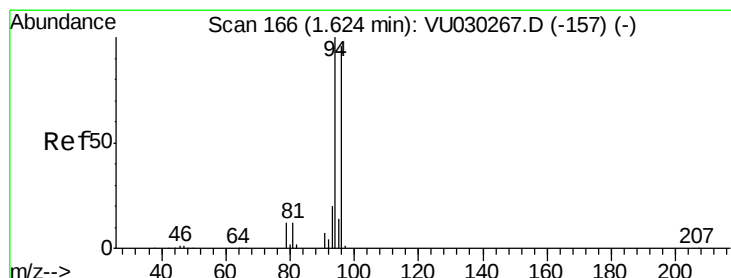
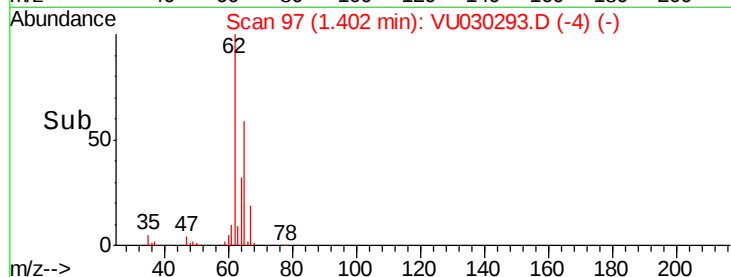
150000

100000

50000

0

Time--> 1.35 1.40 1.45



#6

Bromomethane

Concen: 50.247 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU030293.D

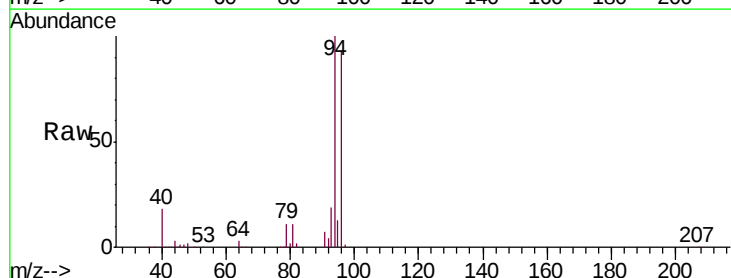
Acq: 22 Mar 2019 02:14

Tgt Ion: 94 Resp: 129137

Ion Ratio Lower Upper

94 100

96 93.4 66.6 123.6



Abundance Ion 94.00 (93.70 to 94.70): VU030267.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU030267.D (-157) (-)

1.62

120000

100000

80000

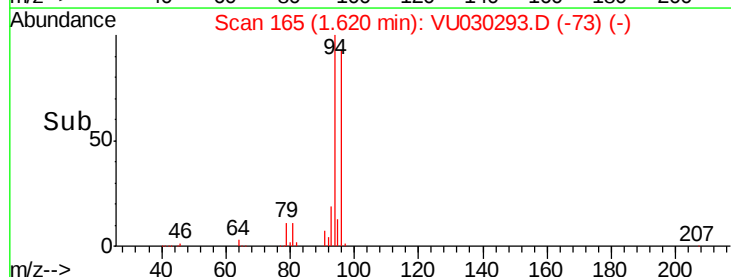
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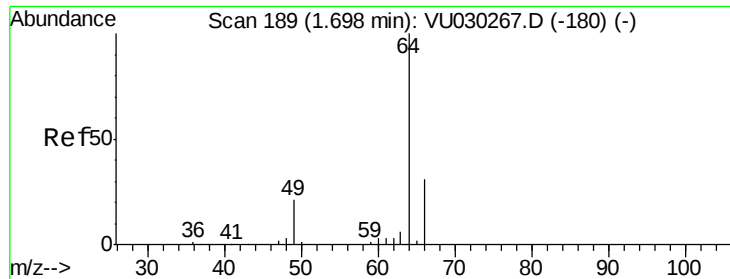
40000

20000

0

Time--> 1.55 1.60 1.65 1.70

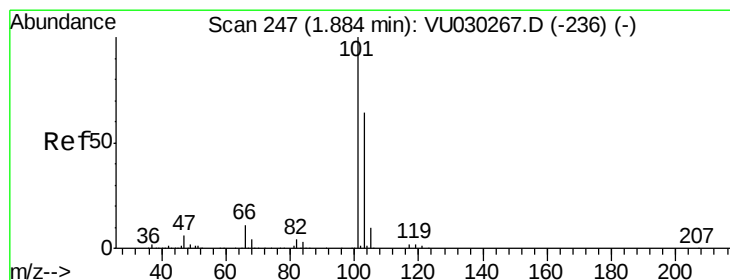
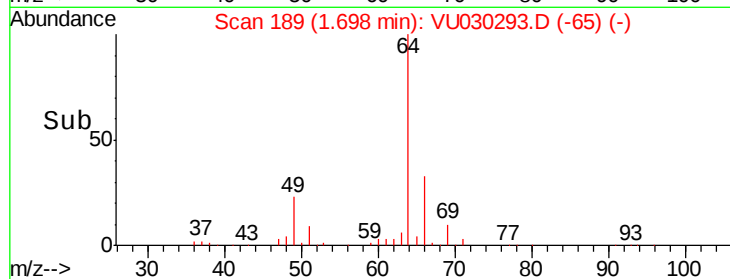
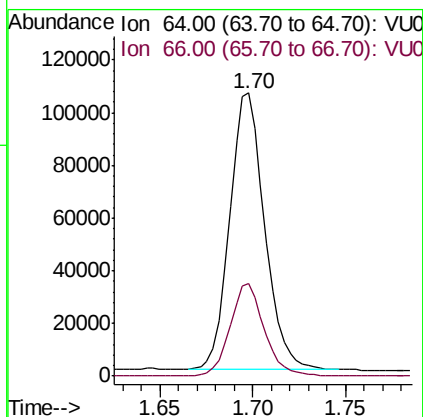
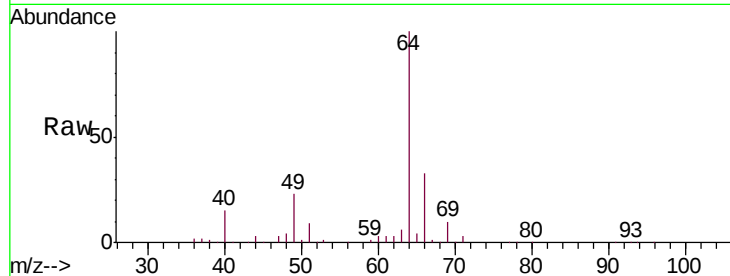




#8
Chloroethane
Concen: 48.253 ug/L
RT: 1.70 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

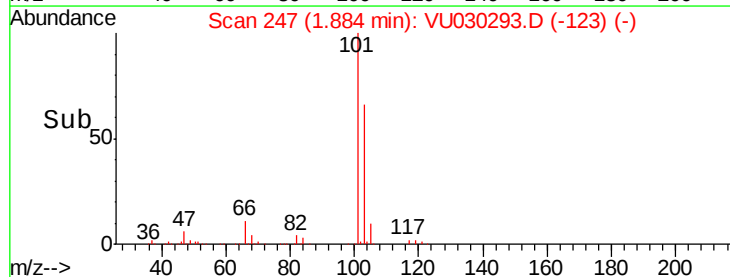
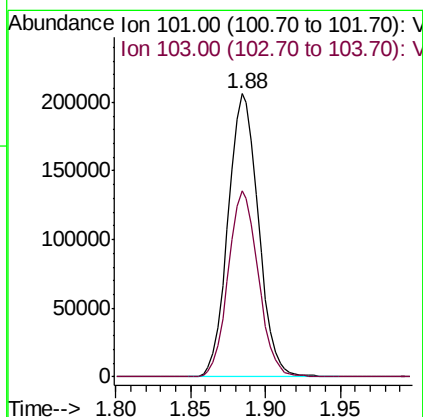
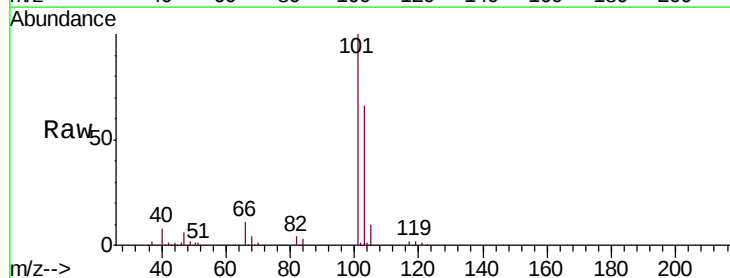
Instrument :
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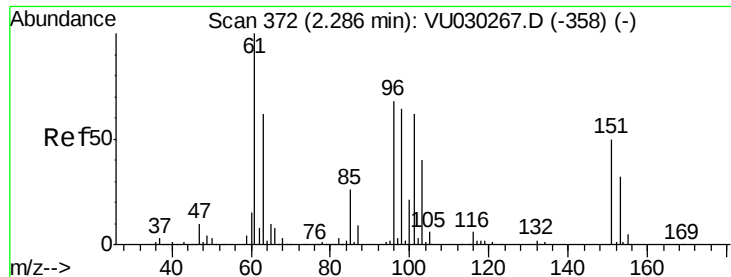
Tgt Ion: 64 Resp: 135488
Ion Ratio Lower Upper
64 100
66 32.6 23.2 43.0



#9
Trichlorofluoromethane
Concen: 48.452 ug/L
RT: 1.88 min Scan# 247
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

Tgt Ion: 101 Resp: 292219
Ion Ratio Lower Upper
101 100
103 64.9 51.6 77.4





#10

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

Concen: 47.070 ug/L

RT: 2.29 min Scan# 372

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

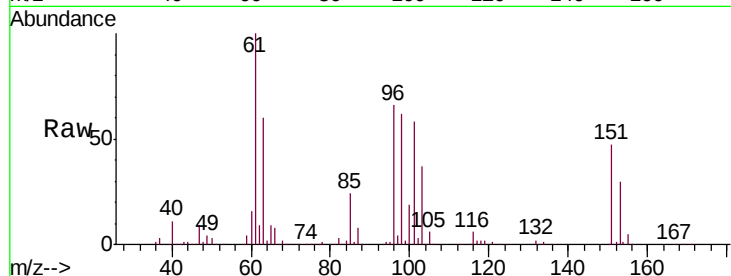
Tgt Ion: 101 Resp: 172621

Ion Ratio Lower Upper

101 100

85 40.9 32.5 48.7

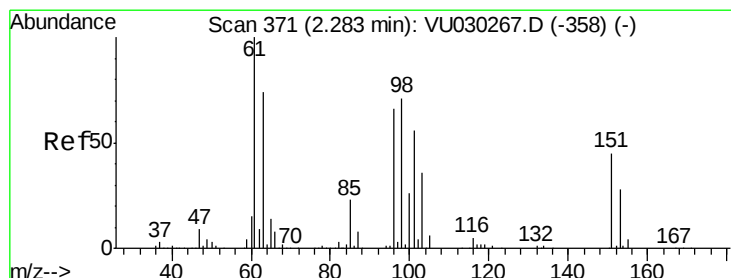
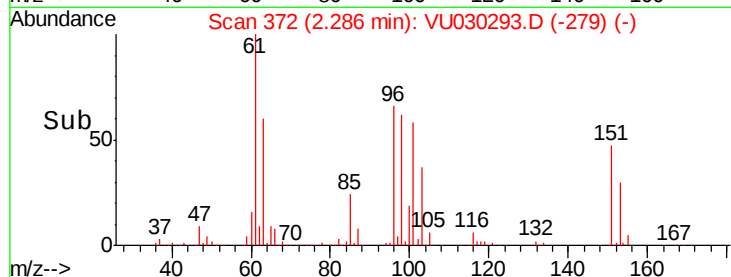
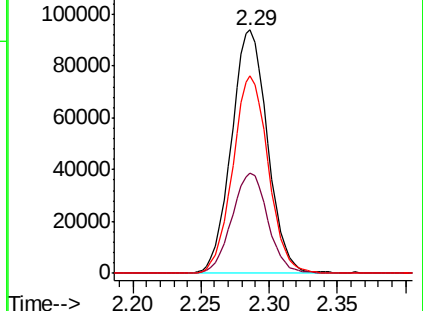
151 80.0 64.7 97.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.131 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

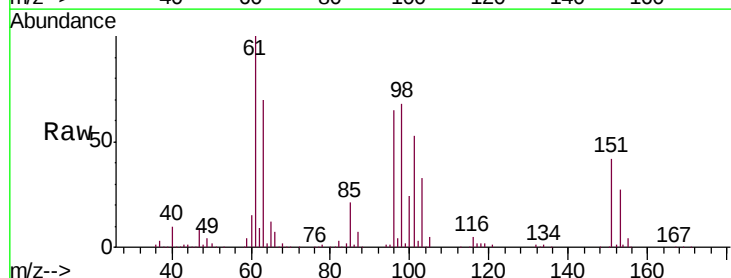
Tgt Ion: 96 Resp: 175294

Ion Ratio Lower Upper

96 100

61 155.0 104.6 194.2

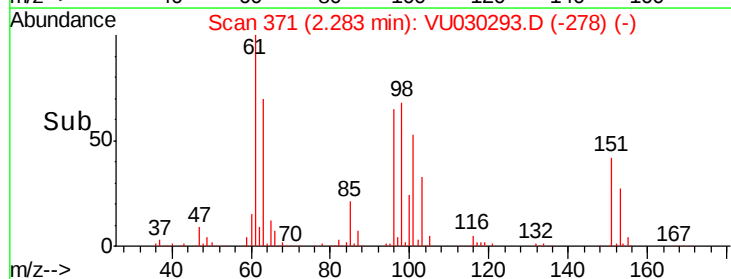
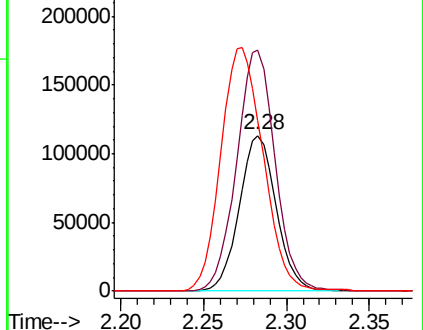
63 109.1 77.2 143.4

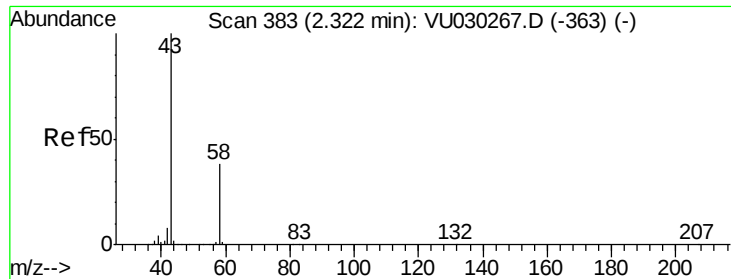


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 68.458 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

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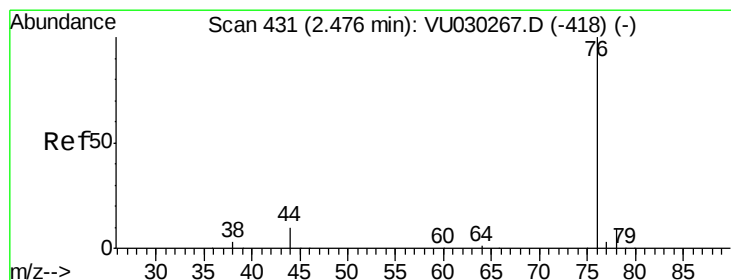
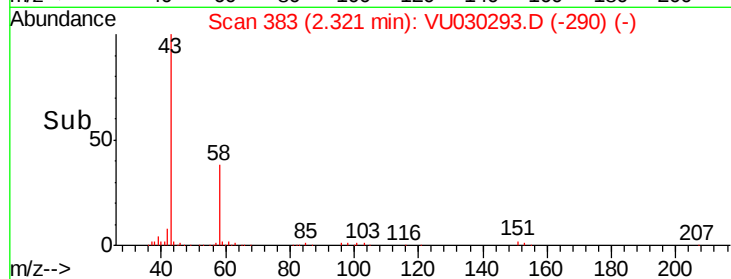
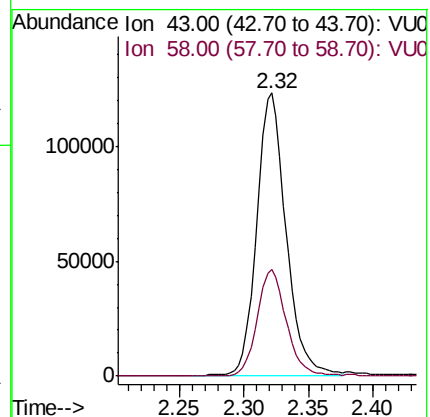
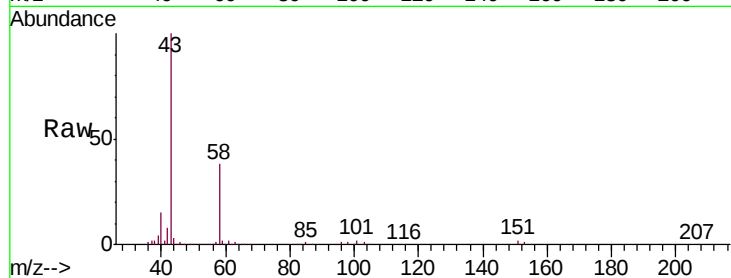
VSTD05052

Tgt Ion: 43 Resp: 195893

Ion Ratio Lower Upper

43 100

58 37.2 0.0 73.4



#14

Carbon disulfide

Concen: 45.863 ug/L

RT: 2.48 min Scan# 431

Delta R.T. -0.00 min

Lab File: VU030293.D

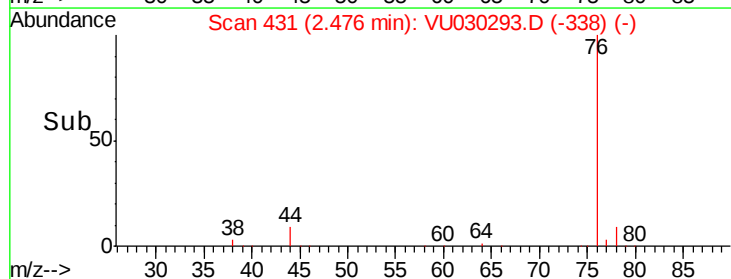
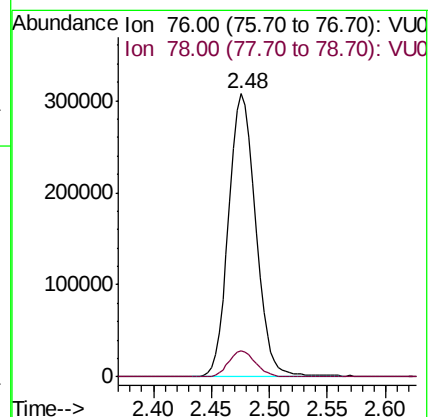
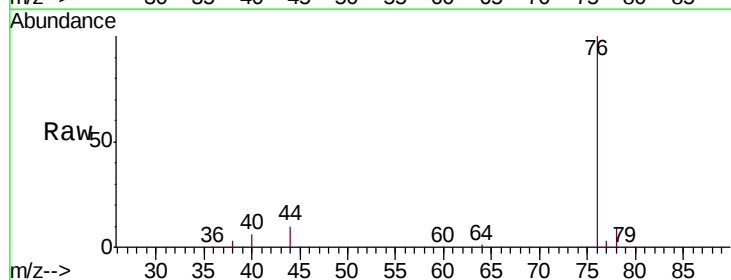
Acq: 22 Mar 2019 02:14

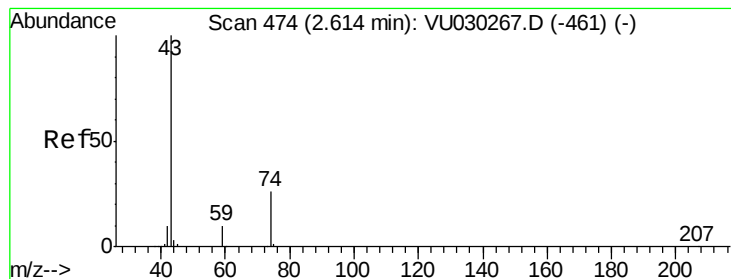
Tgt Ion: 76 Resp: 498895

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6





#15

Methyl Acetate

Concen: 50.652 ug/L

RT: 2.61 min Scan# 474

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

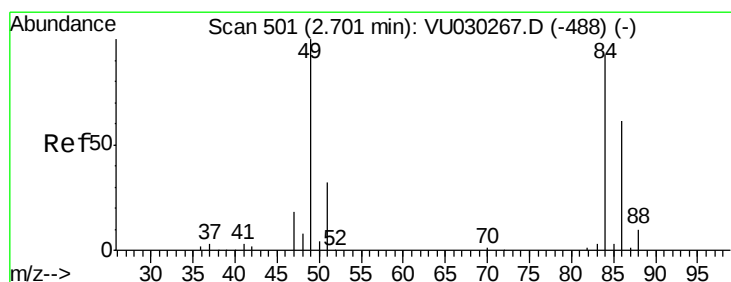
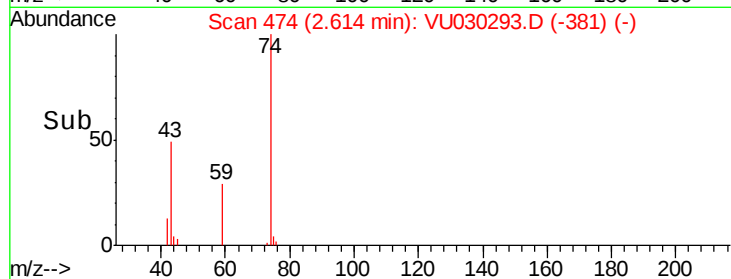
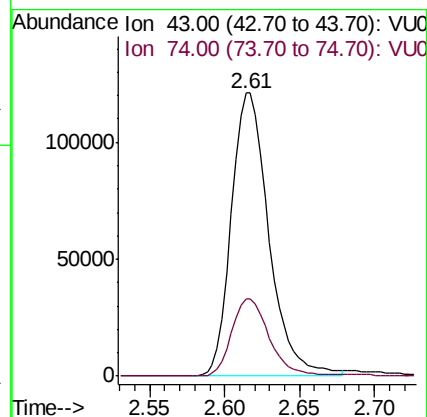
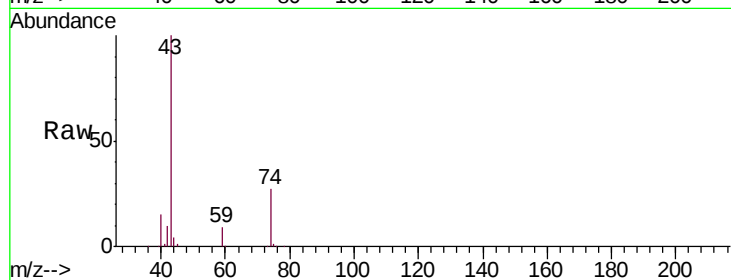
VSTD05052

Tgt Ion: 43 Resp: 210772

Ion Ratio Lower Upper

43 100

74 27.5 20.9 31.3



#16

Methylene chloride

Concen: 49.737 ug/L

RT: 2.70 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

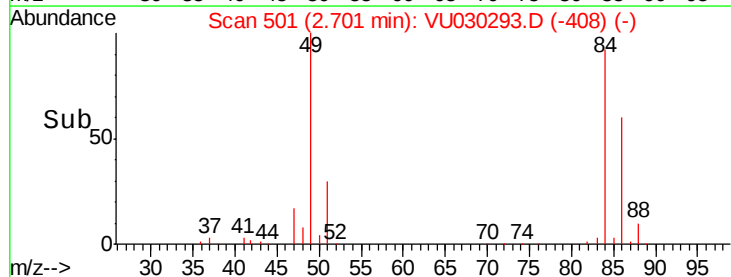
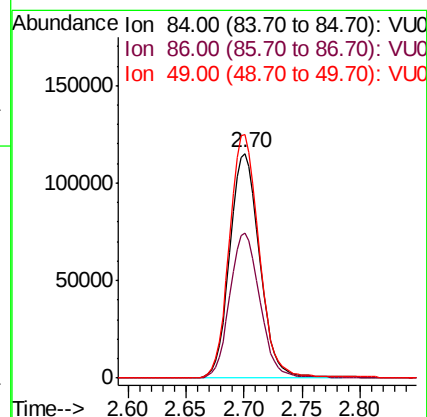
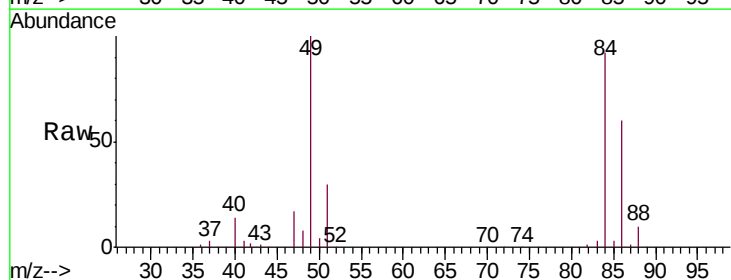
Tgt Ion: 84 Resp: 205441

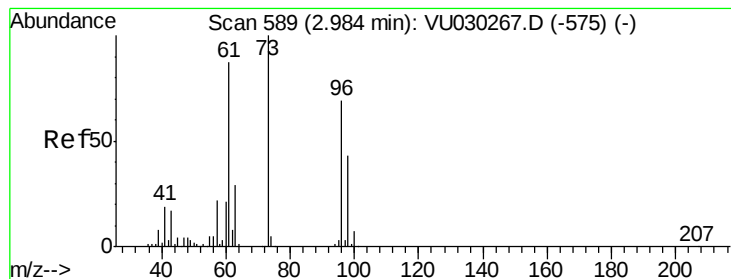
Ion Ratio Lower Upper

84 100

86 64.8 45.6 84.6

49 108.2 75.2 139.6





#17

trans-1,2-Dichloroethene

Concen: 47.901 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

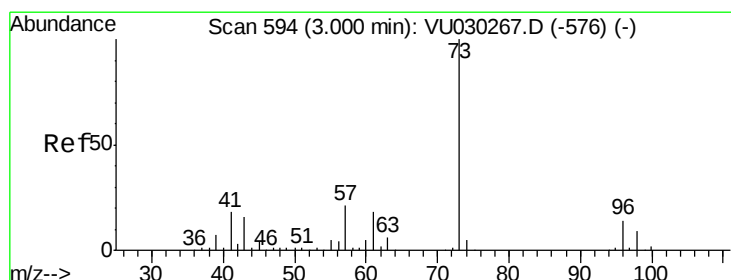
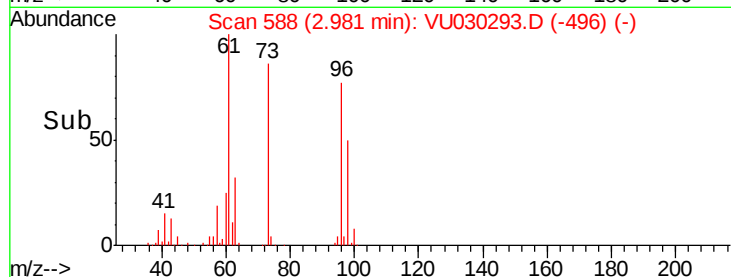
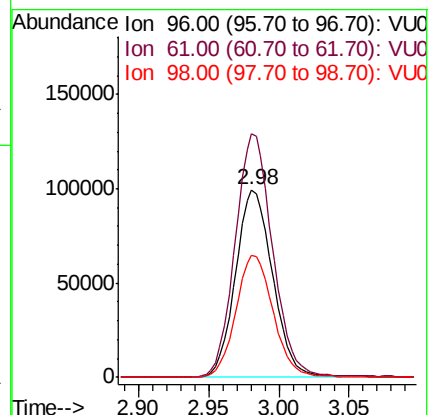
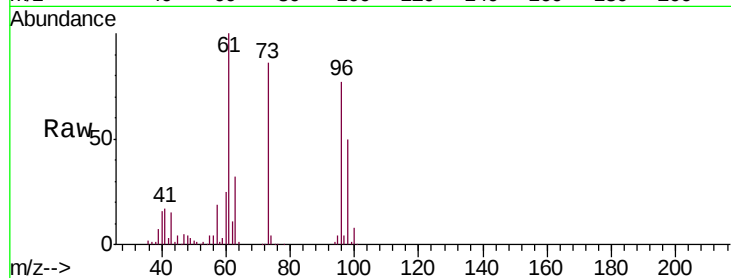
Tgt Ion: 96 Resp: 183851

Ion Ratio Lower Upper

96 100

61 129.9 90.9 168.9

98 64.9 45.6 84.6



#18

Methyl tert-butyl Ether

Concen: 51.022 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

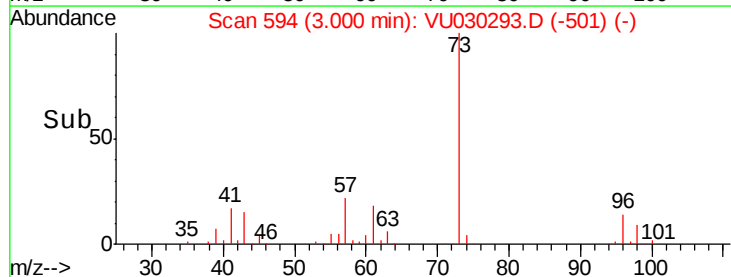
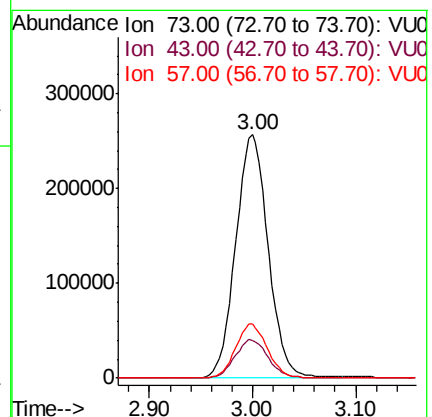
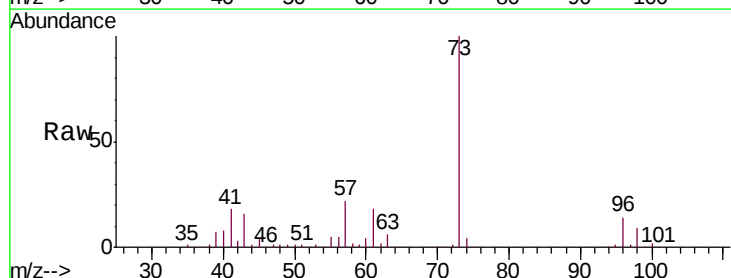
Tgt Ion: 73 Resp: 563320

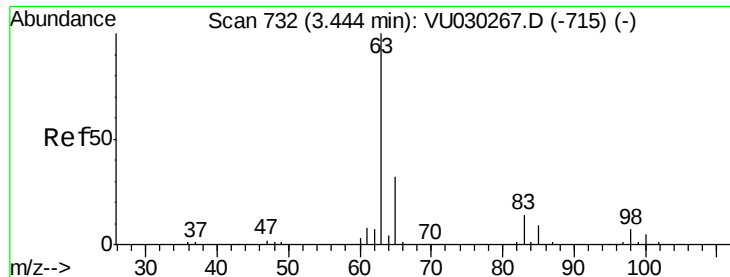
Ion Ratio Lower Upper

73 100

43 16.0 13.1 19.7

57 21.7 17.1 25.7

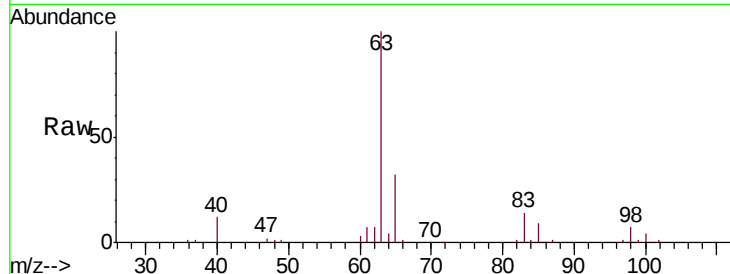




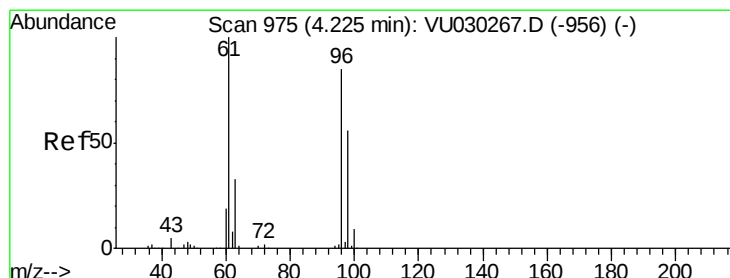
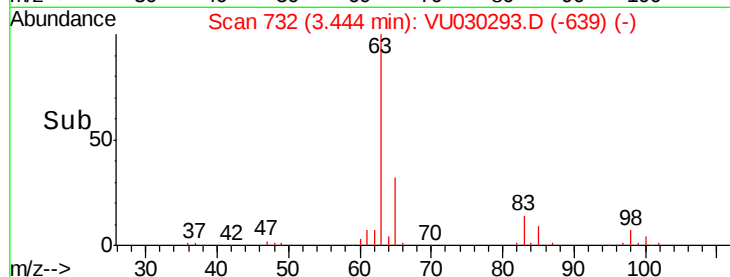
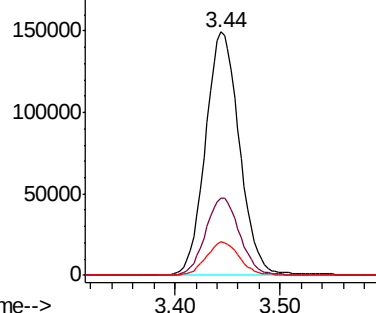
#19
 1,1-Dichloroethane
 Concen: 50.656 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion: 63 Resp: 334412
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.8 40.4
 83 13.7 9.9 18.3

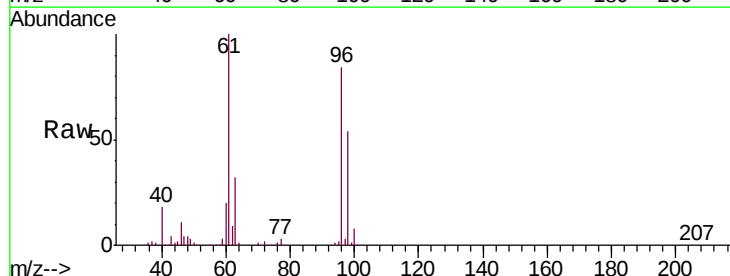


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

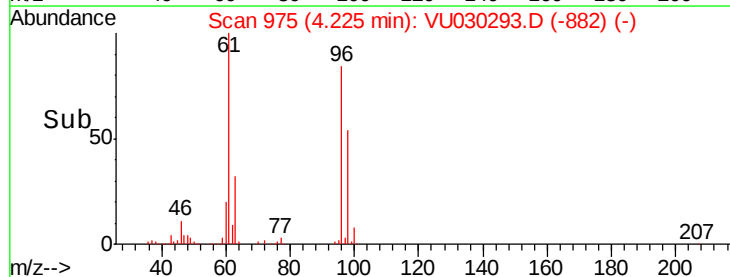
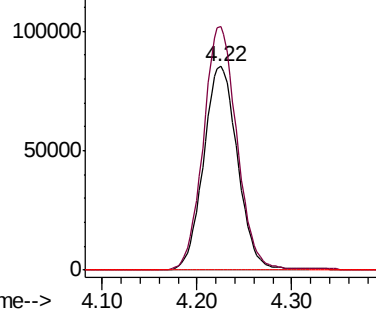


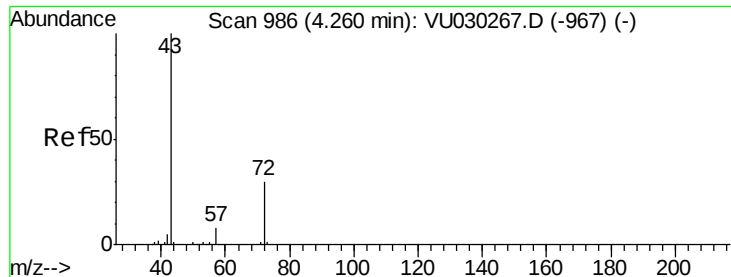
#20
 cis-1,2-Dichloroethene
 Concen: 50.770 ug/L
 RT: 4.22 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

Tgt Ion: 96 Resp: 213497
 Ion Ratio Lower Upper
 96 100
 61 119.5 81.5 151.3
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 92.701 ug/L

RT: 4.26 min Scan# 986

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

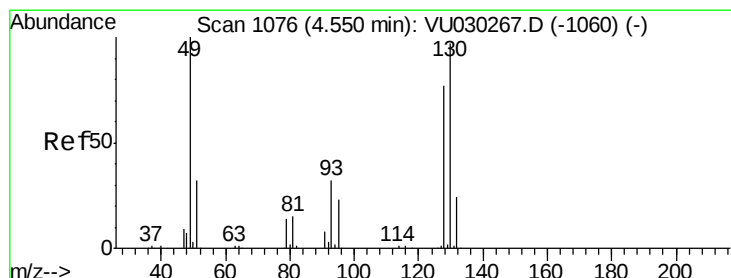
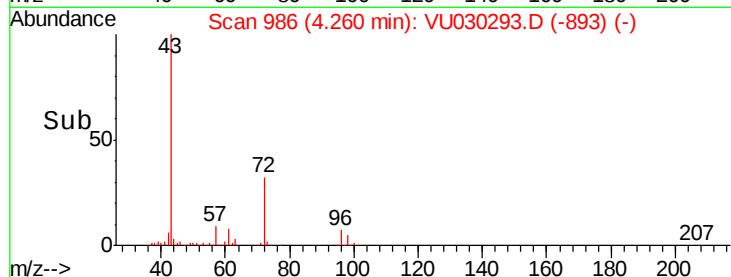
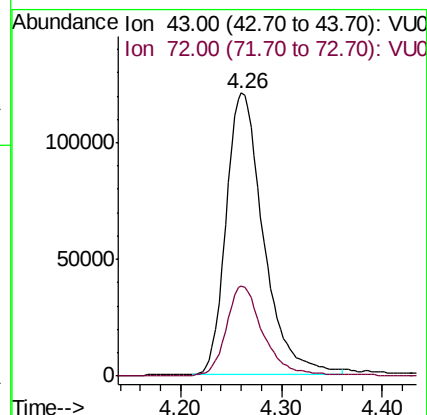
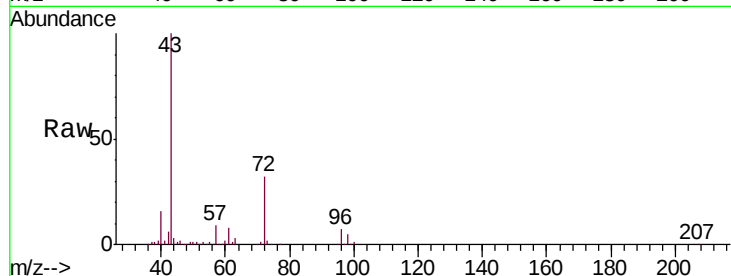
VSTD05052

Tgt Ion: 43 Resp: 311762

Ion Ratio Lower Upper

43 100

72 32.0 15.7 47.1



#23

Bromochloromethane

Concen: 49.680 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Tgt Ion: 128 Resp: 111813

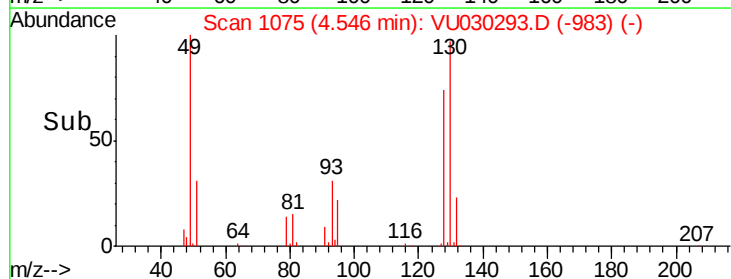
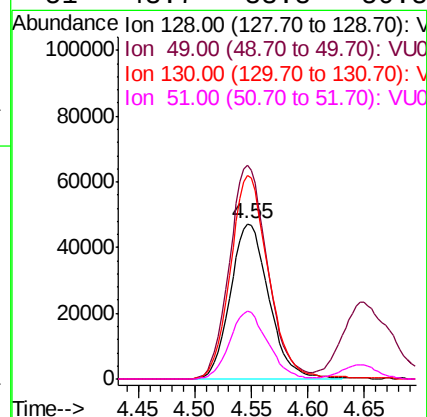
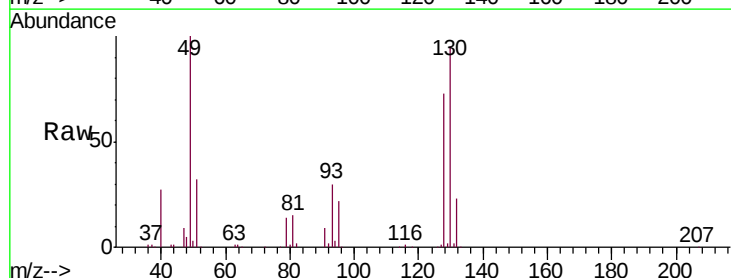
Ion Ratio Lower Upper

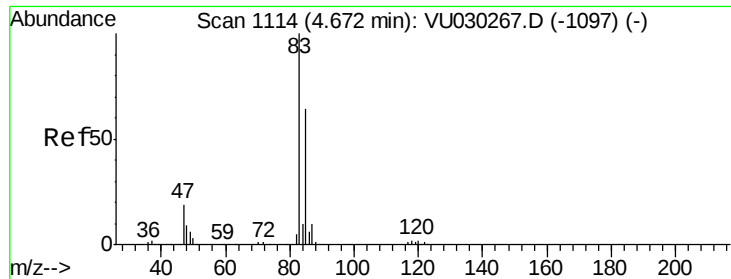
128 100

49 137.7 92.5 171.9

130 131.3 90.1 167.3

51 43.7 33.8 50.8





#25

Chloroform

Concen: 48.852 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

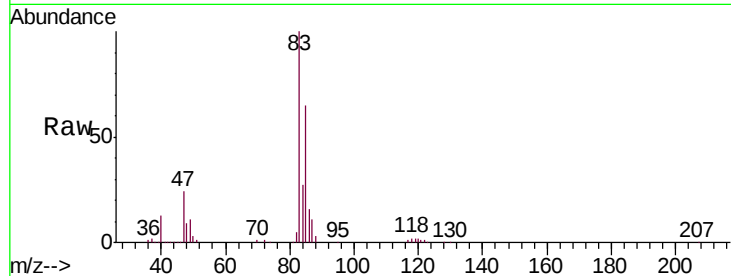
VSTD05052

Tgt Ion: 83 Resp: 335989

Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.2



Abundance Ion 83.00 (82.70 to 83.70): VU030267.D (-1097) (-)

Ion 85.00 (84.70 to 85.70): VU030267.D (-1097) (-)

4.67

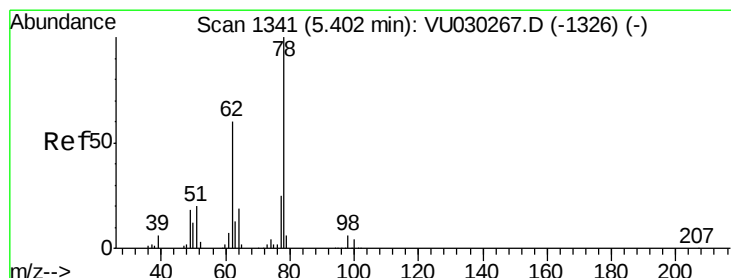
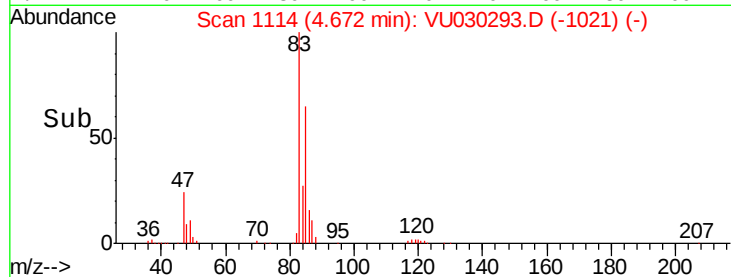
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 49.414 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU030293.D

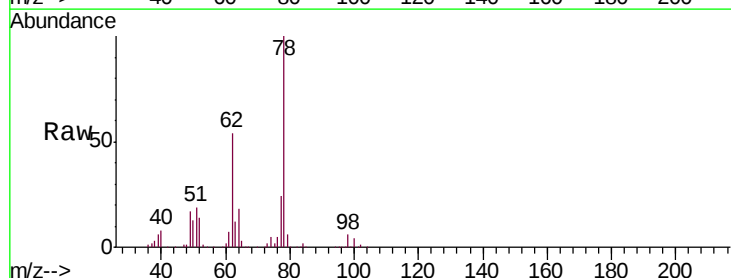
Acq: 22 Mar 2019 02:14

Tgt Ion: 62 Resp: 240887

Ion Ratio Lower Upper

62 100

98 10.5 8.6 12.8



Abundance Ion 62.00 (61.70 to 62.70): VU030267.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU030267.D (-1326) (-)

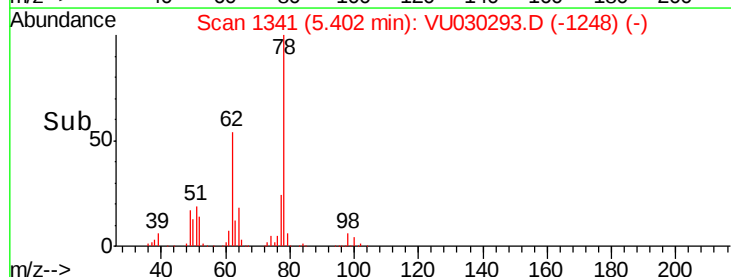
5.40

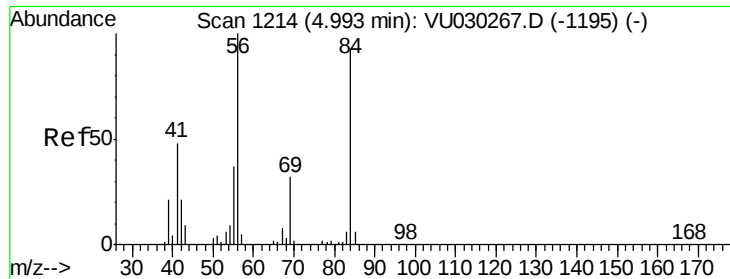
100000

50000

0

Time-->

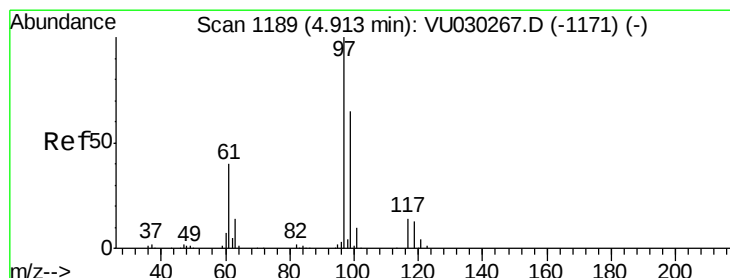
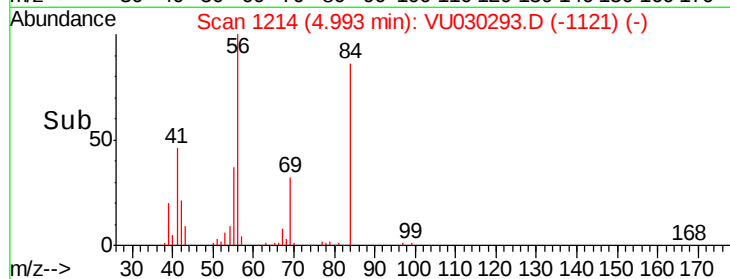
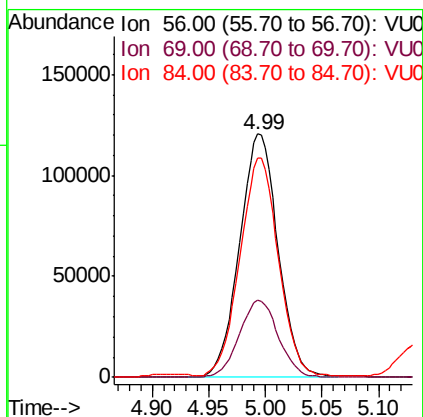
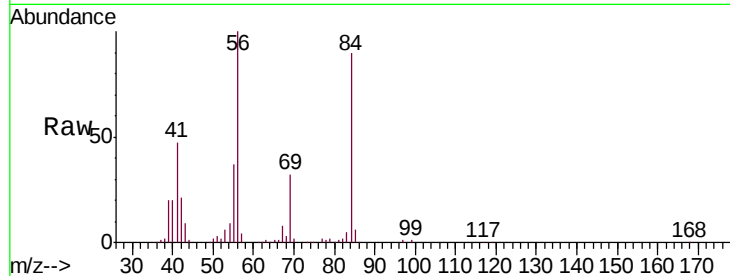




#29
Cyclohexane
Concen: 48.860 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

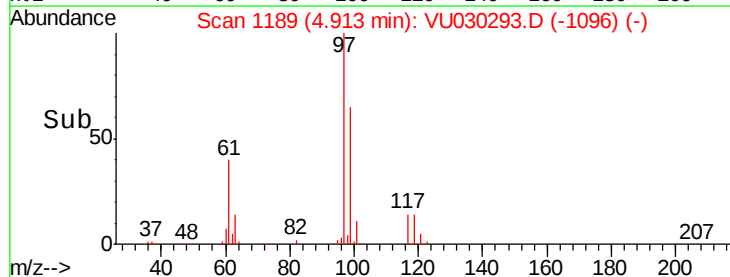
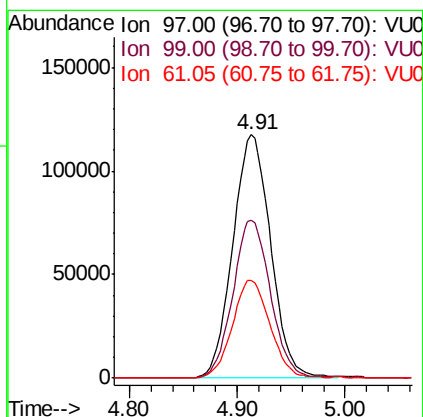
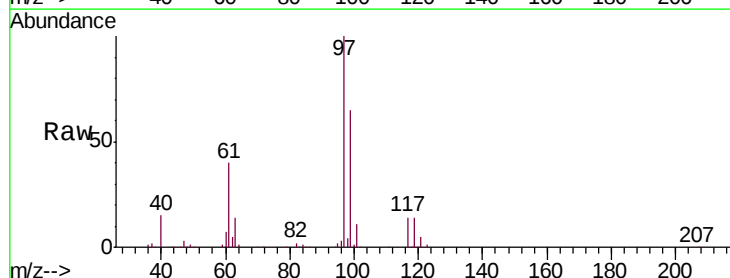
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

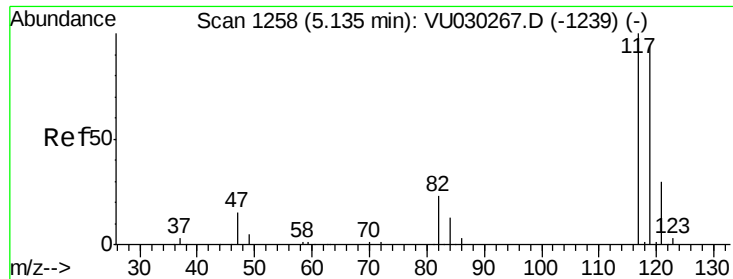
Tgt Ion: 56 Resp: 285628
Ion Ratio Lower Upper
56 100
69 32.1 25.4 38.2
84 90.6 71.5 107.3



#30
1,1,1-Trichloroethane
Concen: 49.572 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

Tgt Ion: 97 Resp: 287433
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 40.0 32.7 49.1

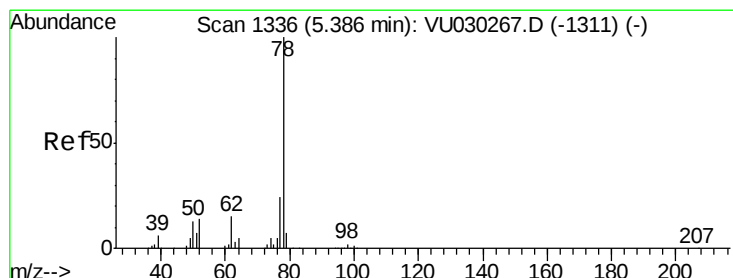
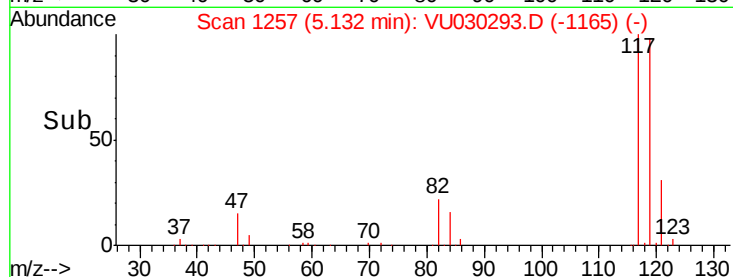
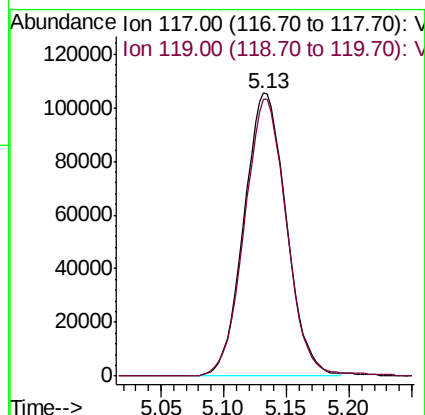
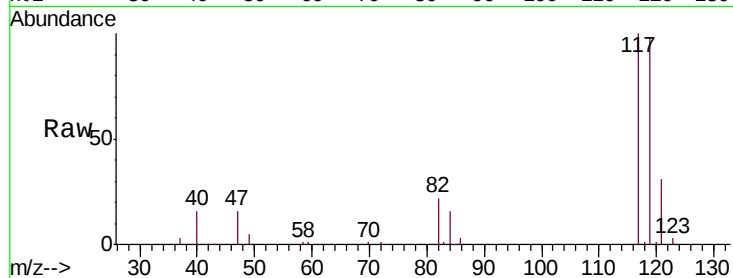




#31
 Carbon tetrachloride
 Concen: 48.214 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

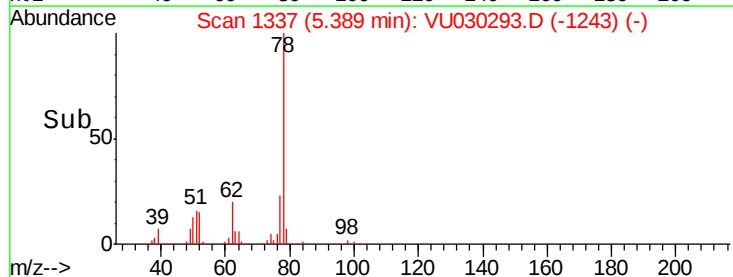
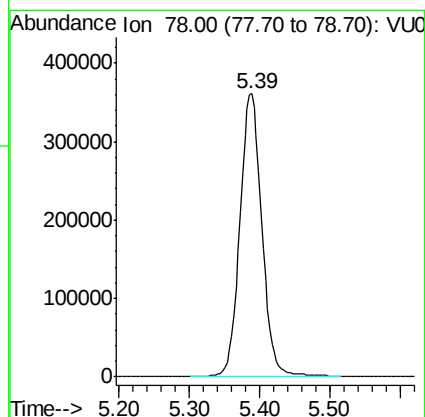
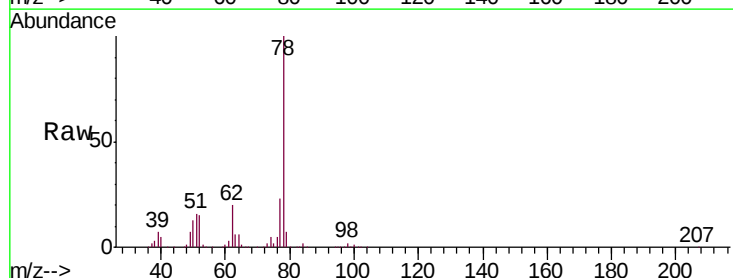
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

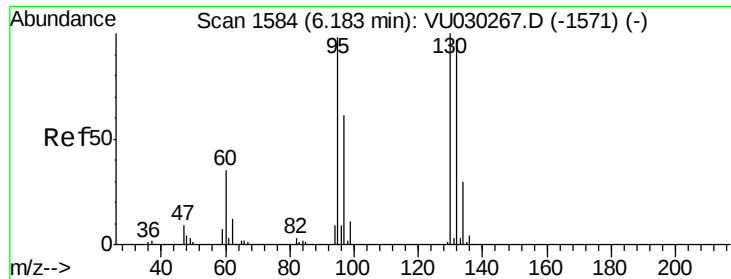
Tgt Ion:117 Resp: 247488
 Ion Ratio Lower Upper
 117 100
 119 97.2 77.1 115.7



#33
 Benzene
 Concen: 50.856 ug/L
 RT: 5.39 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

Tgt Ion: 78 Resp: 789405





#34

Trichloroethene

Concen: 49.757 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 95 Resp: 203570

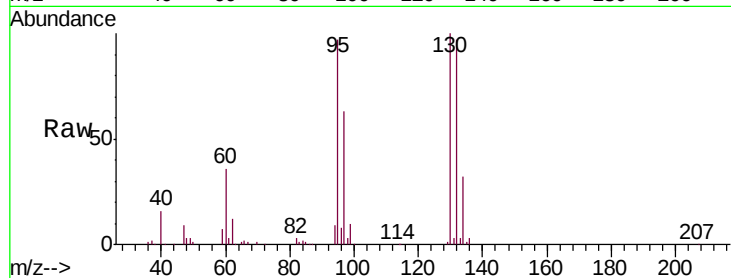
Ion Ratio Lower Upper

95 100

97 64.2 46.2 85.8

132 99.3 69.3 128.7

130 102.6 73.6 136.6



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

150000

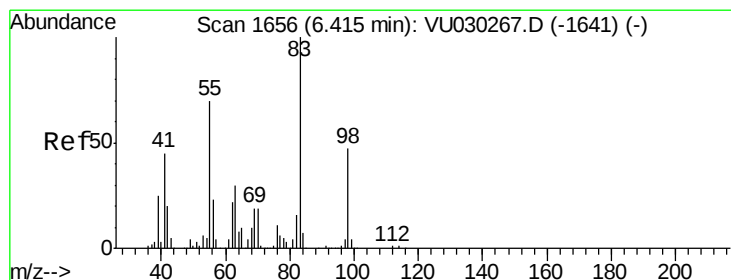
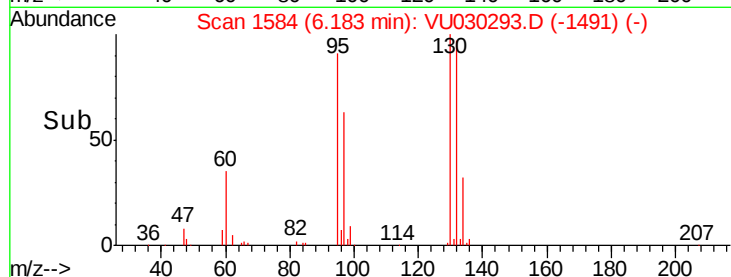
100000

50000

0

6.10 6.20 6.30

Time-->



#35

Methylcyclohexane

Concen: 47.052 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

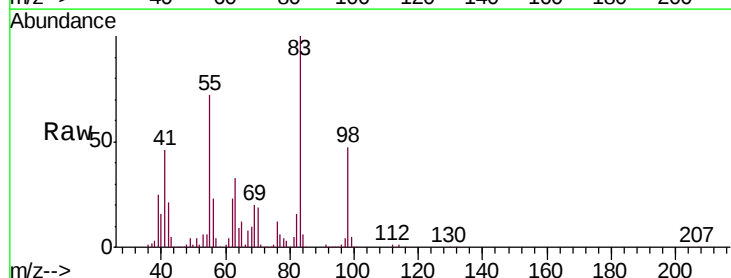
Tgt Ion: 83 Resp: 301863

Ion Ratio Lower Upper

83 100

55 71.3 56.6 85.0

98 46.9 37.0 55.4



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

200000

150000

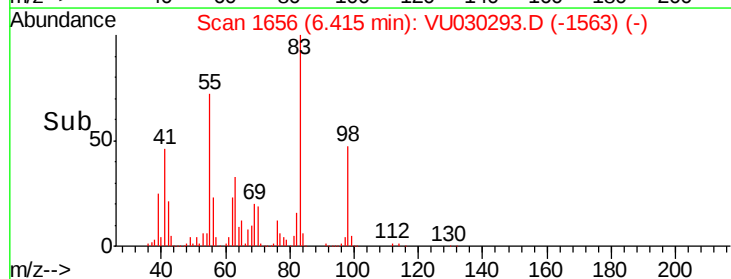
100000

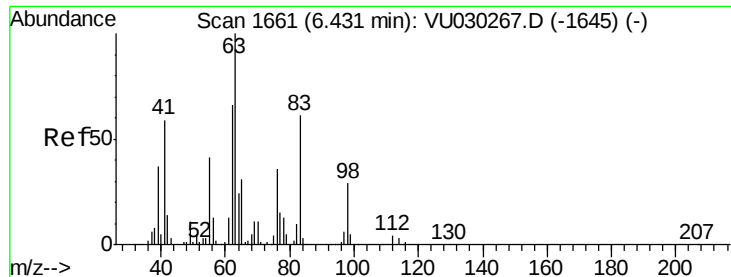
50000

0

6.35 6.40 6.45 6.50

Time-->





#37

1,2-Dichloropropane

Concen: 50.614 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

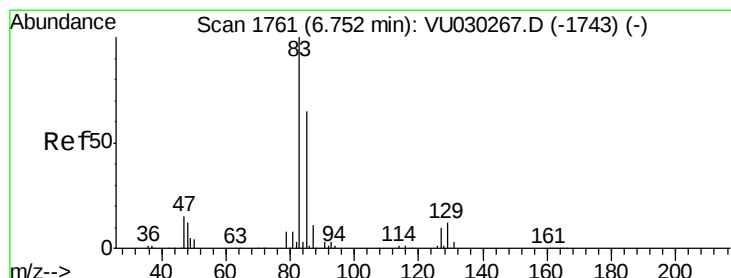
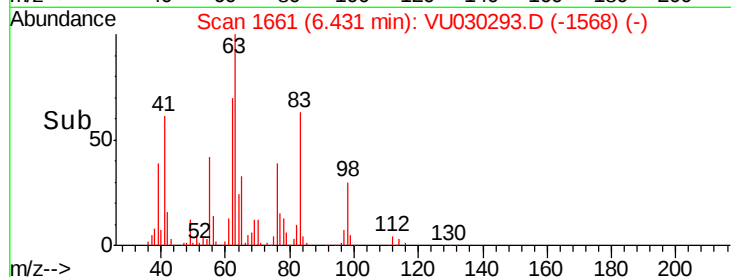
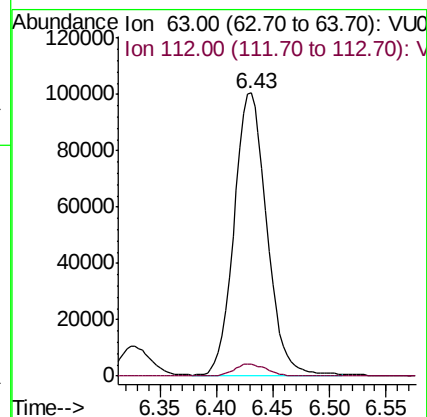
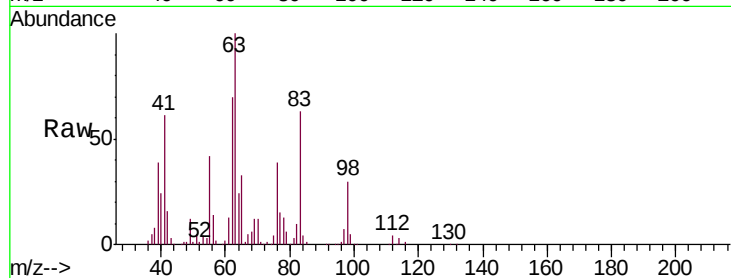
VSTD05052

Tgt Ion: 63 Resp: 201212

Ion Ratio Lower Upper

63 100

112 4.3 3.3 4.9



#38

Bromodichloromethane

Concen: 50.019 ug/L

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

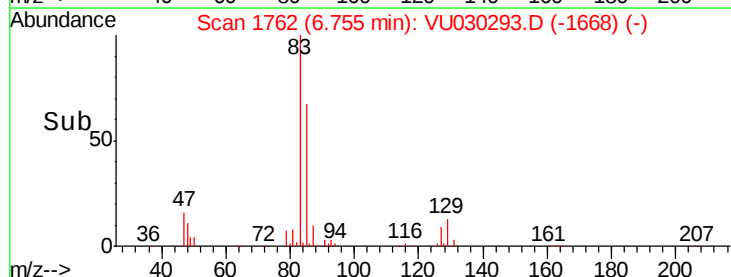
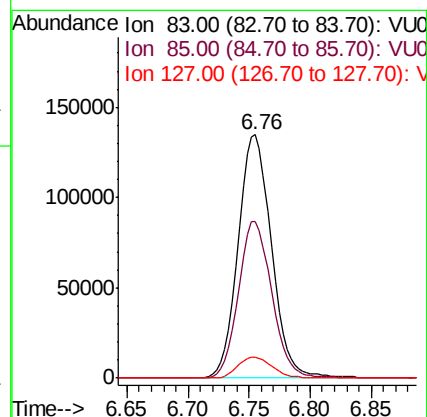
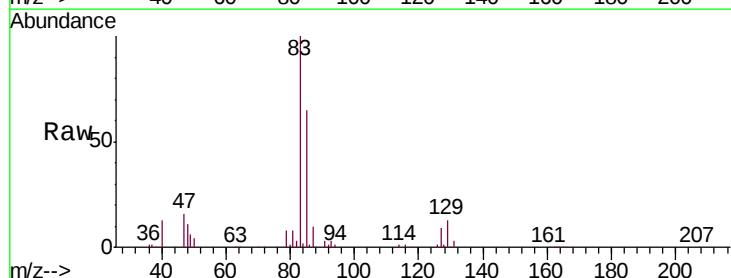
Tgt Ion: 83 Resp: 255664

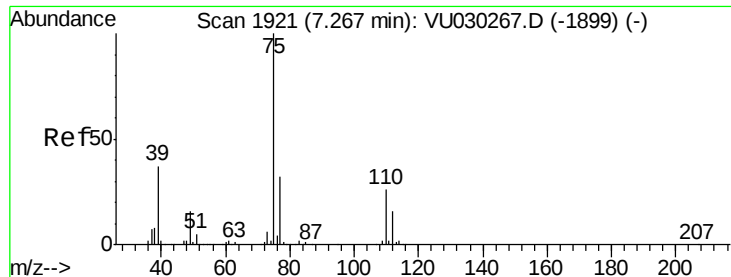
Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.2

127 8.8 7.4 11.0



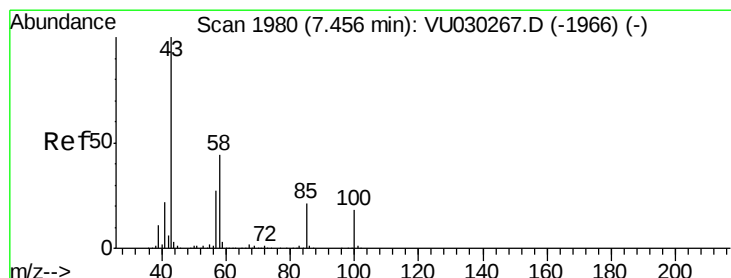
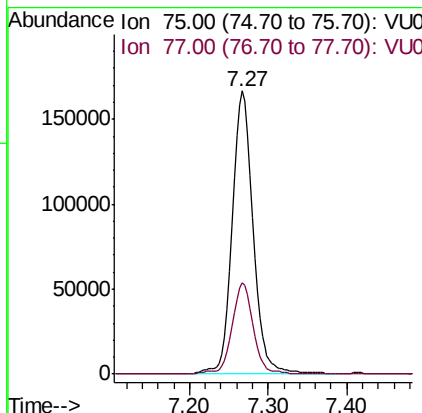
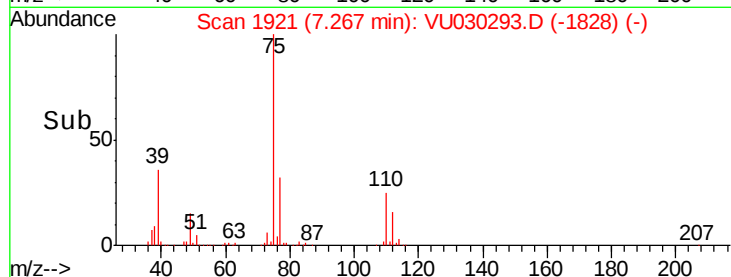
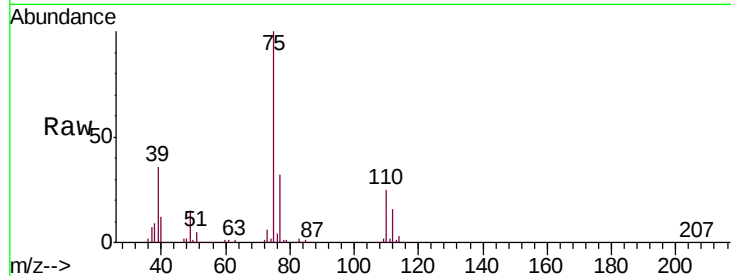


#39

cis-1,3-Dichloropropene
Concen: 48.280 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

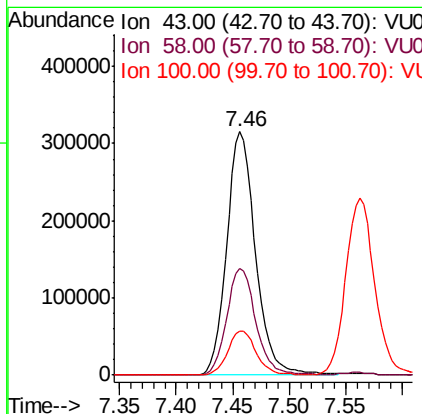
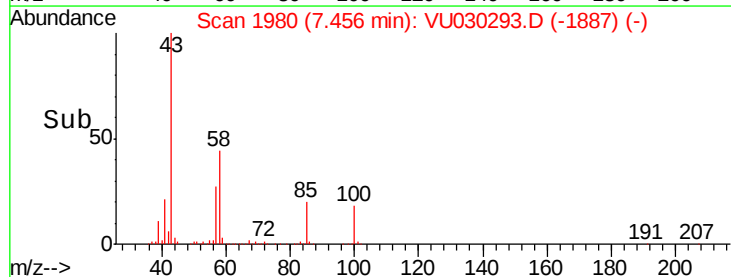
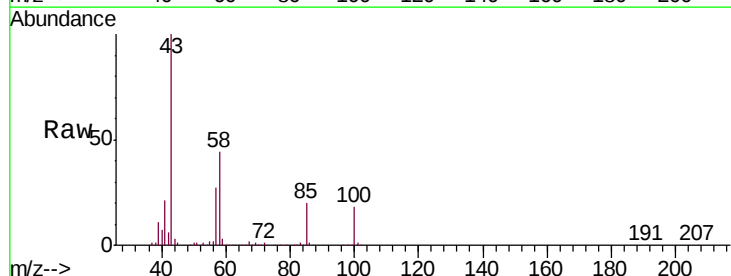
Tgt Ion: 75 Resp: 307941
Ion Ratio Lower Upper
75 100
77 32.3 22.1 41.1

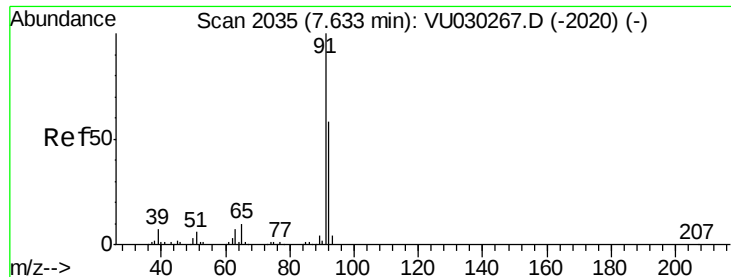


#40

4-Methyl-2-pentanone
Concen: 102.403 ug/L
RT: 7.46 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

Tgt Ion: 43 Resp: 559493
Ion Ratio Lower Upper
43 100
58 44.4 34.4 51.6
100 18.0 13.9 20.9





#42

Toluene

Concen: 50.749 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

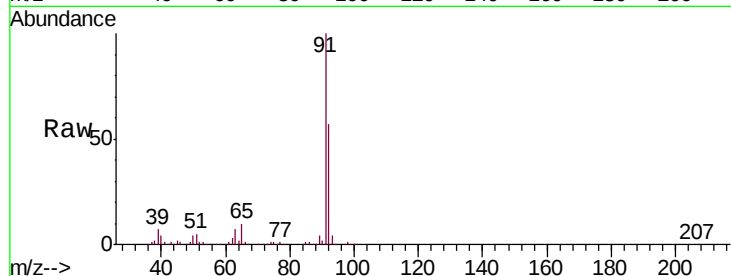
VSTD05052

Tgt Ion: 91 Resp: 857415

Ion Ratio Lower Upper

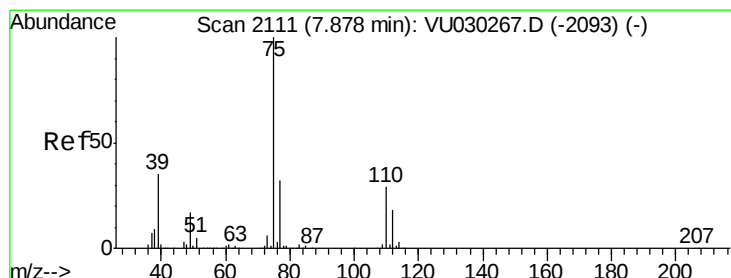
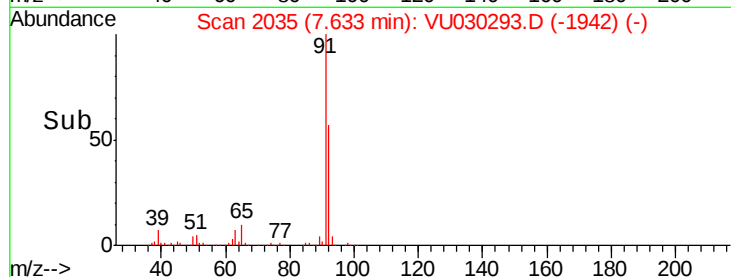
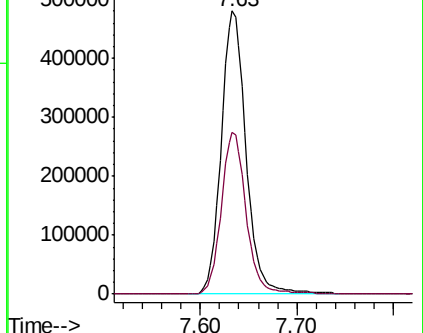
91 100

92 57.2 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VU030267.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU030267.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 48.948 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030293.D

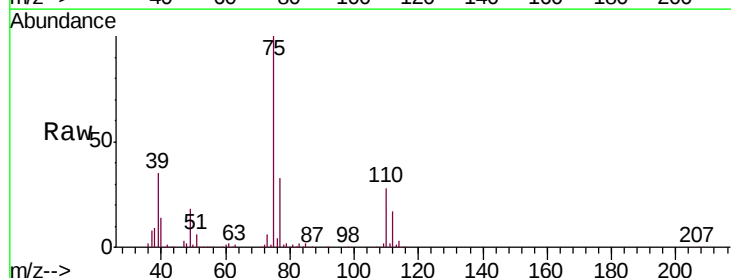
Acq: 22 Mar 2019 02:14

Tgt Ion: 75 Resp: 270151

Ion Ratio Lower Upper

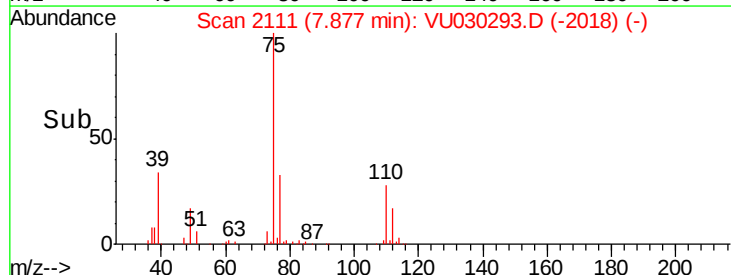
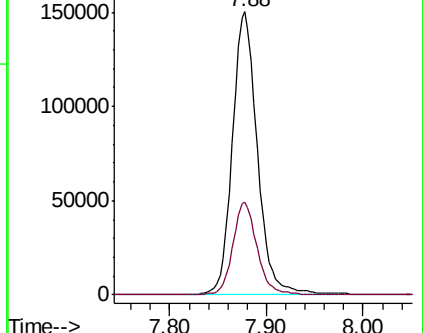
75 100

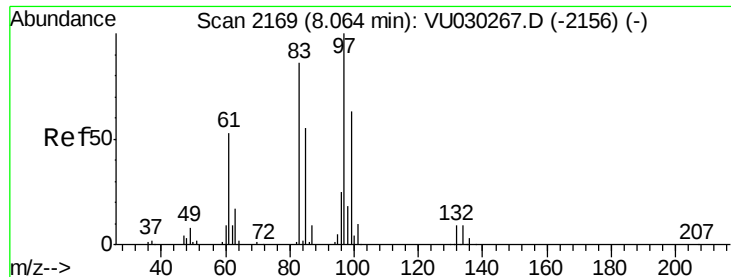
77 32.9 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU030267.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU030267.D (-2093) (-)

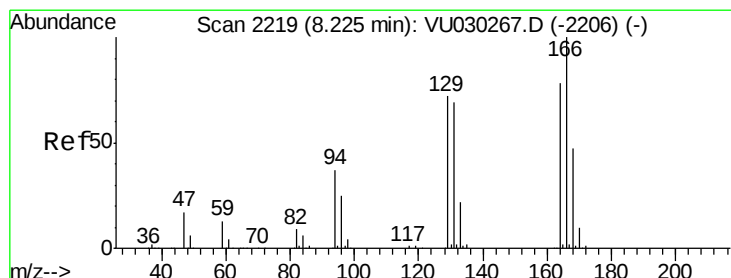
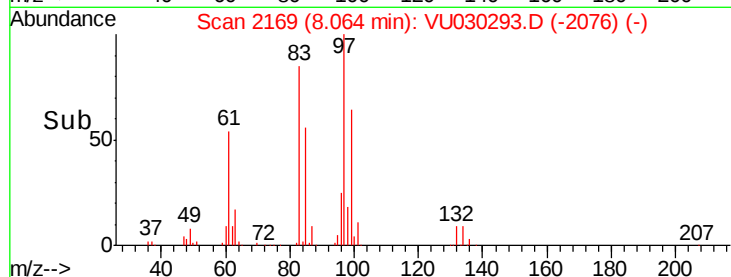
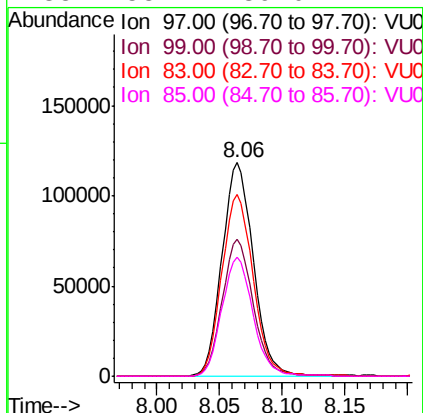
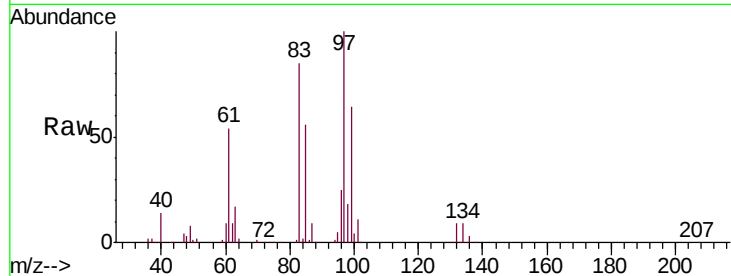




#45
 1,1,2-Trichloroethane
 Concen: 50.329 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

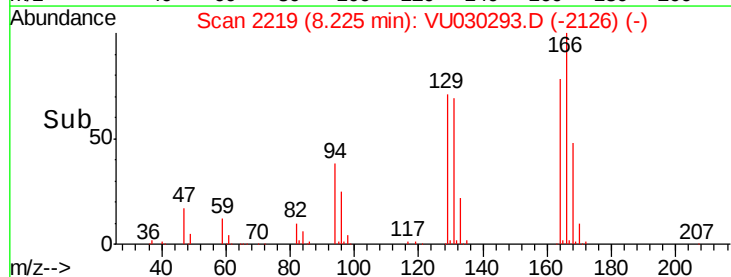
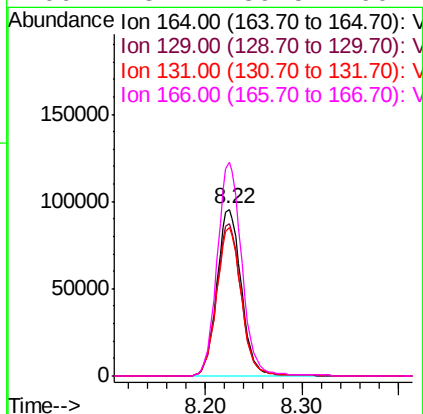
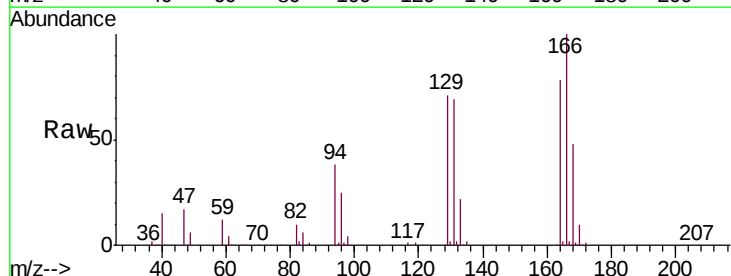
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

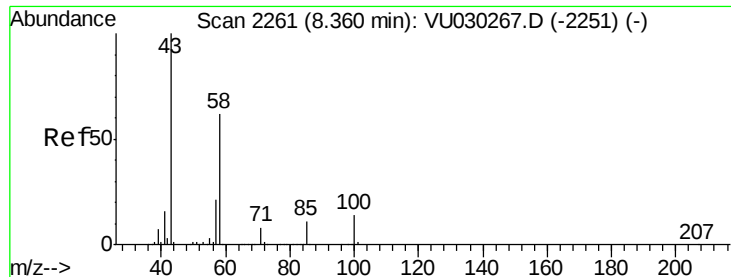
Tgt Ion:	97	Resp:	205379
Ion	Ratio	Lower	Upper
97	100		
99	63.9	43.3	80.5
83	85.2	59.3	110.1
85	55.7	39.0	72.4



#46
 Tetrachloroethene
 Concen: 48.584 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

Tgt Ion:	164	Resp:	167943
Ion	Ratio	Lower	Upper
164	100		
129	91.1	64.4	119.6
131	88.8	63.2	117.4
166	128.2	89.5	166.1

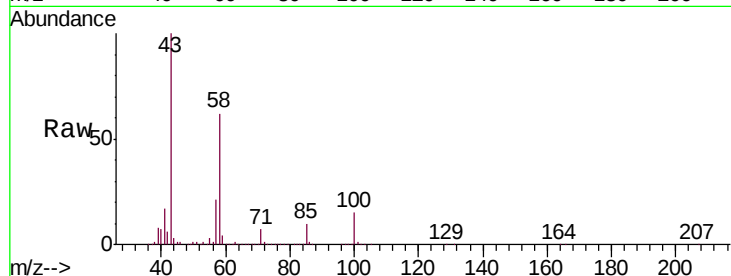




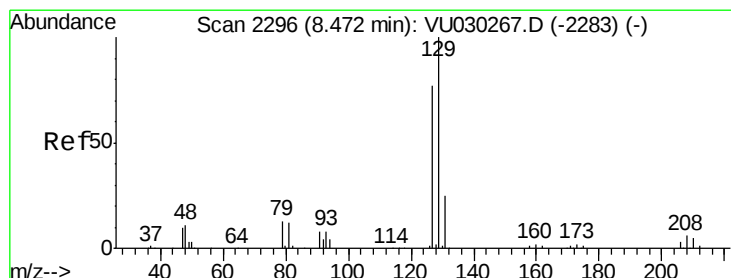
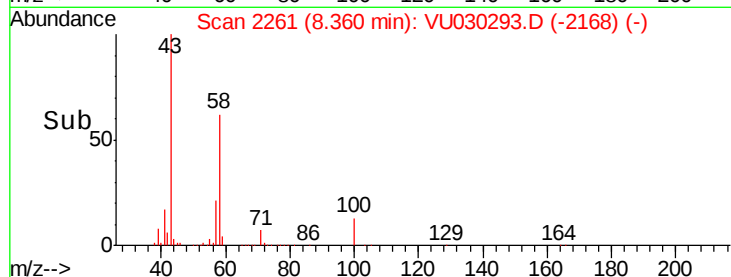
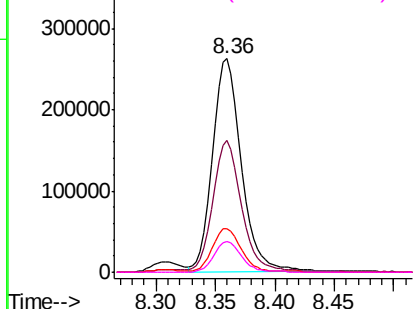
#48
2-Hexanone
Concen: 97.188 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Tgt Ion:	43	Resp:	440726
Ion	Ratio	Lower	Upper
43	100		
58	60.2	49.3	73.9
57	20.4	17.0	25.4
100	14.1	11.0	16.4

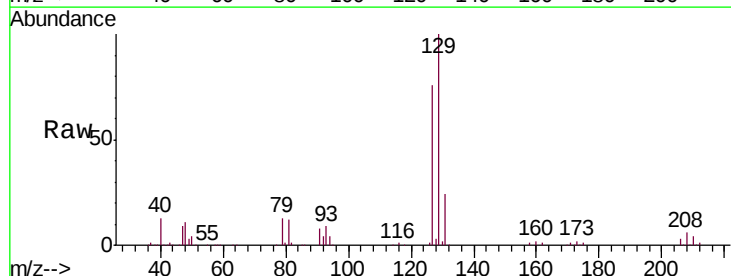


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

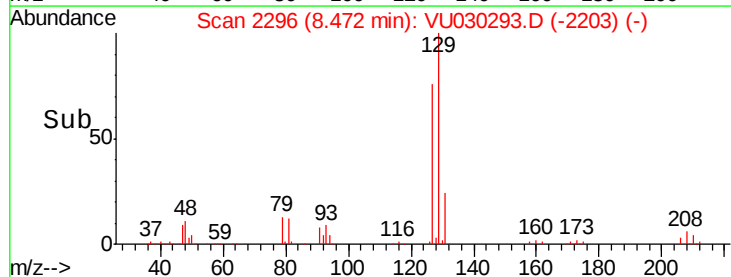
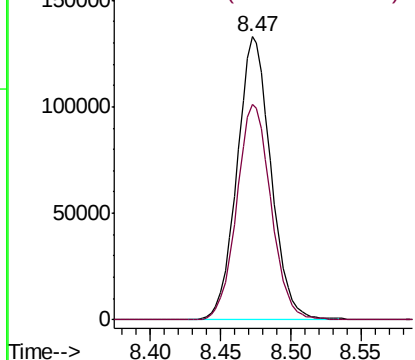


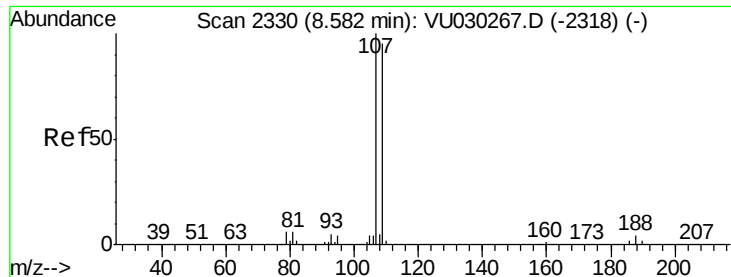
#49
Dibromochloromethane
Concen: 48.888 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

Tgt Ion:	129	Resp:	223712
Ion	Ratio	Lower	Upper
129	100		
127	76.3	53.4	99.2



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

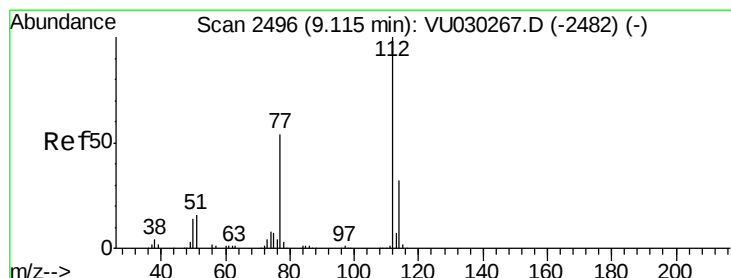
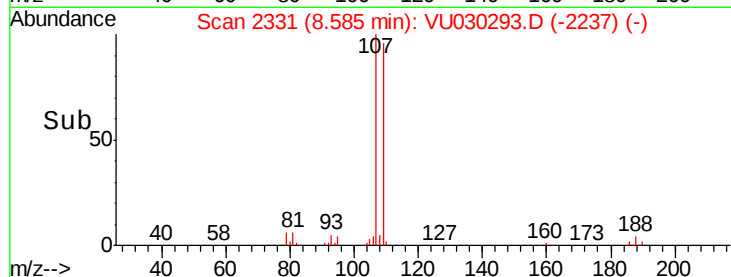
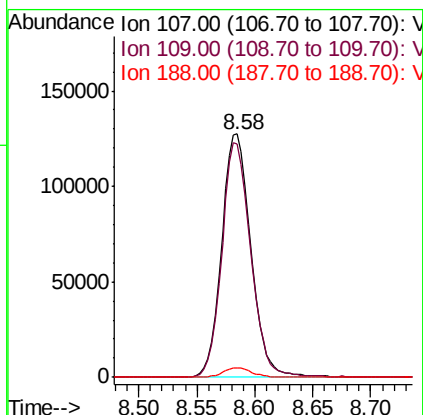
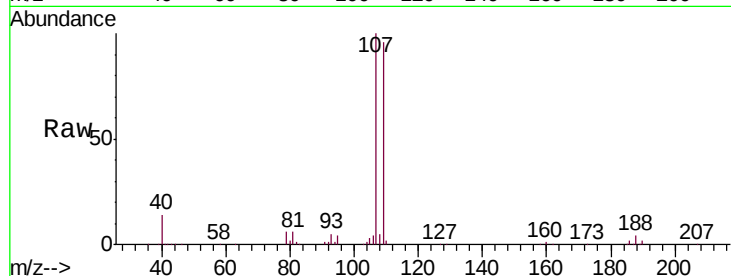




#50
 1,2-Dibromoethane
 Concen: 49.452 ug/L
 RT: 8.58 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

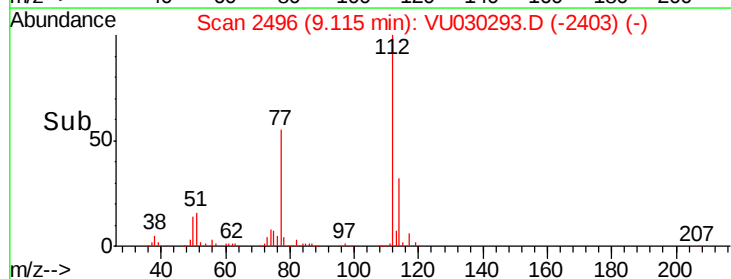
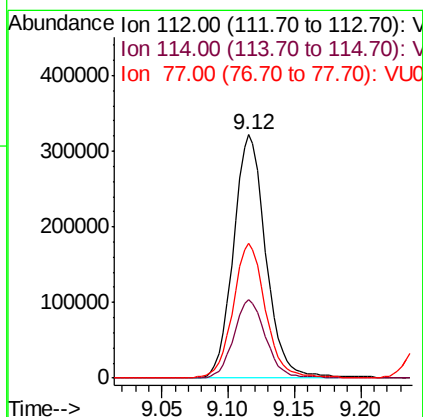
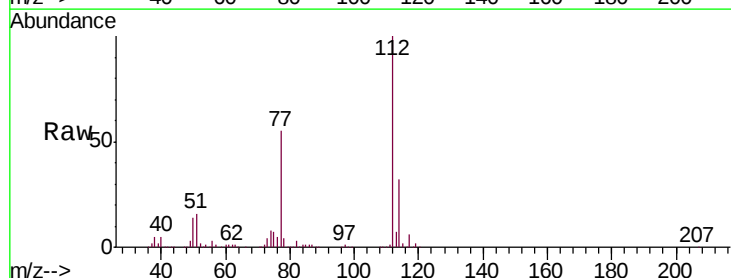
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

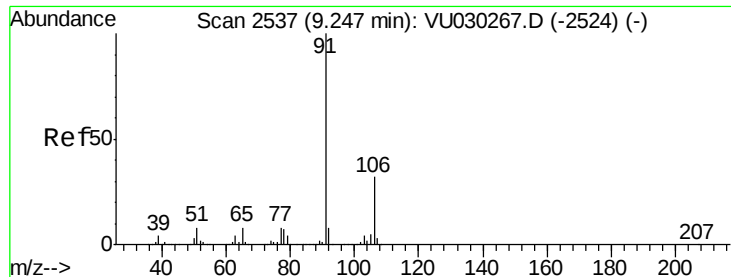
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.6	65.4	121.4
188	4.0	2.7	4.1



#51
 Chlorobenzene
 Concen: 48.794 ug/L
 RT: 9.12 min Scan# 2496
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.7
77	55.2	43.4	65.0

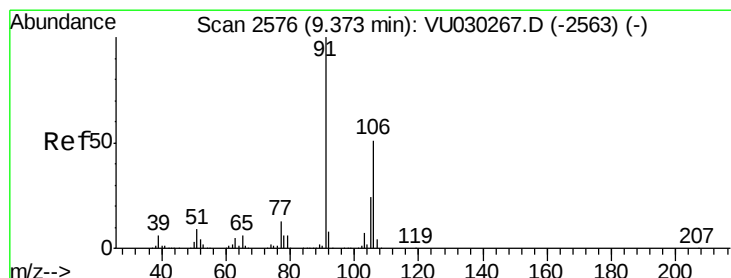
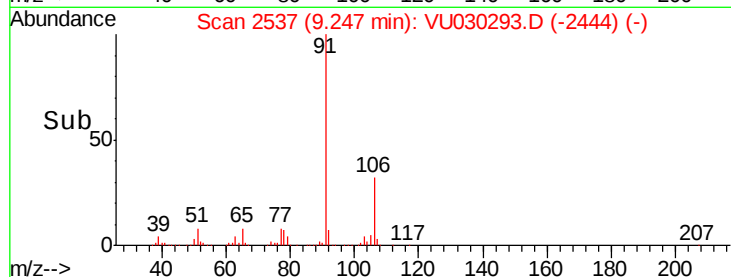
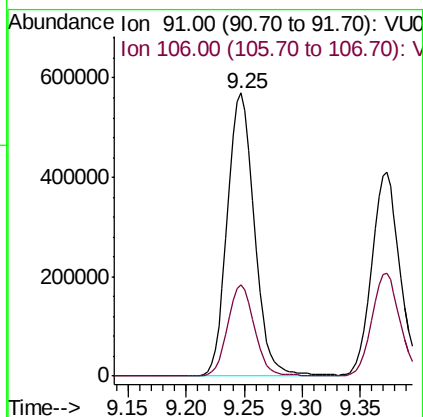
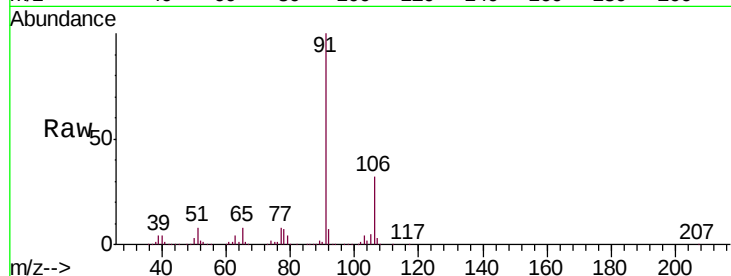




#52
Ethylbenzene
Concen: 50.194 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

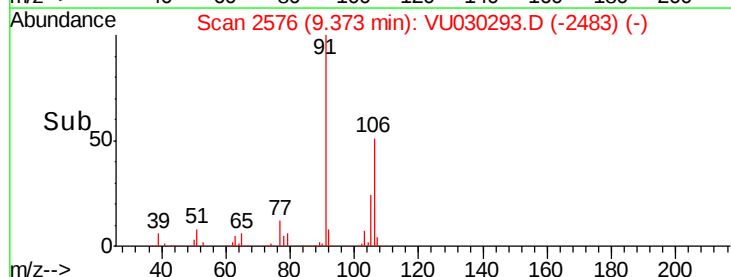
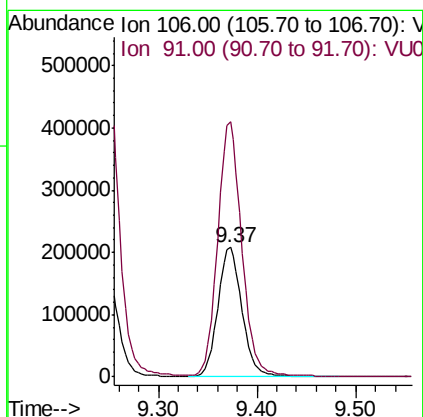
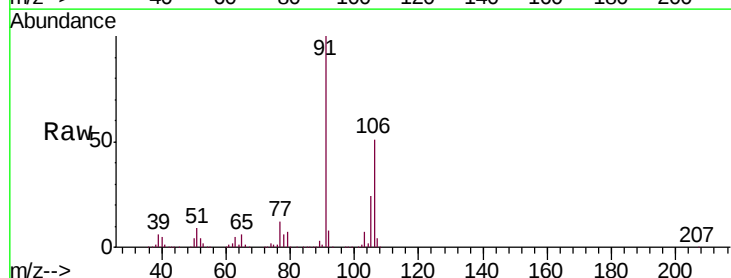
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

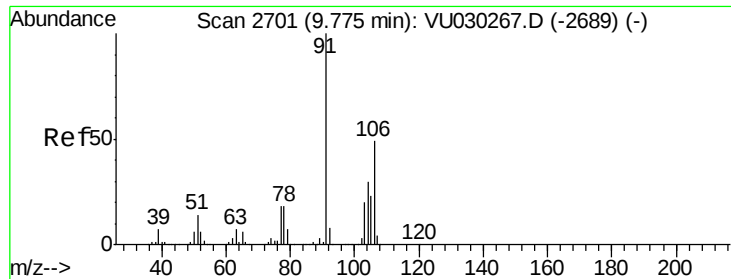
Tgt Ion: 91 Resp: 920972
Ion Ratio Lower Upper
91 100
106 32.2 22.5 41.7



#53
m,p-Xylene
Concen: 50.606 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU030293.D
Acq: 22 Mar 2019 02:14

Tgt Ion: 106 Resp: 357739
Ion Ratio Lower Upper
106 100
91 197.5 138.2 256.6





#54

o-xylene

Concen: 50.704 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

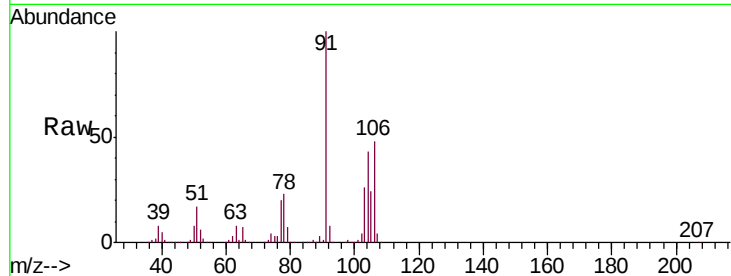
VSTD05052

Tgt Ion:106 Resp: 352342

Ion Ratio Lower Upper

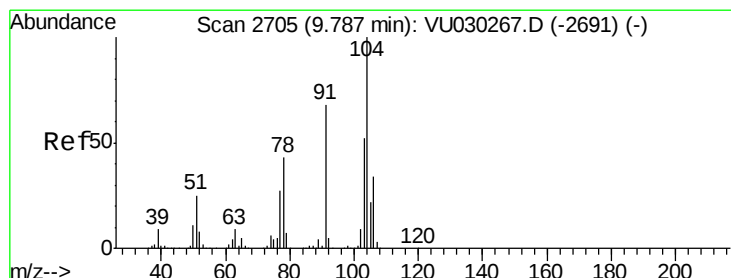
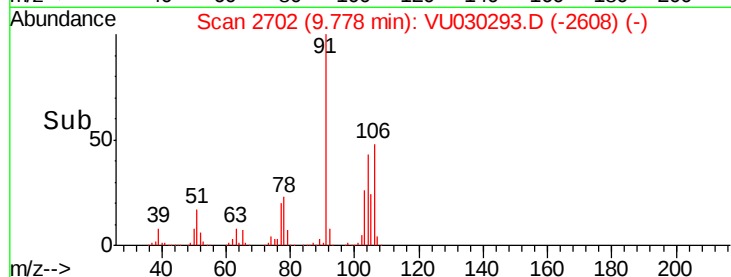
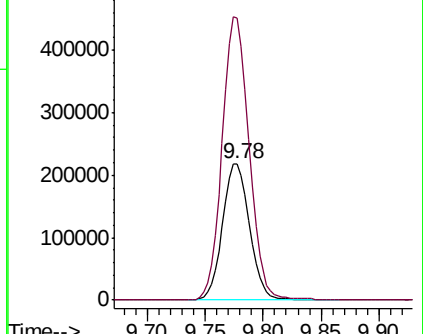
106 100

91 206.5 145.5 270.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.642 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030293.D

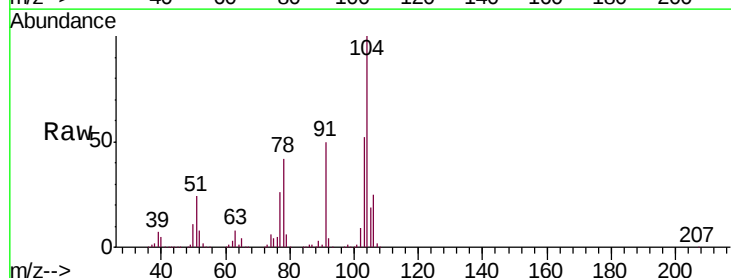
Acq: 22 Mar 2019 02:14

Tgt Ion:104 Resp: 596246

Ion Ratio Lower Upper

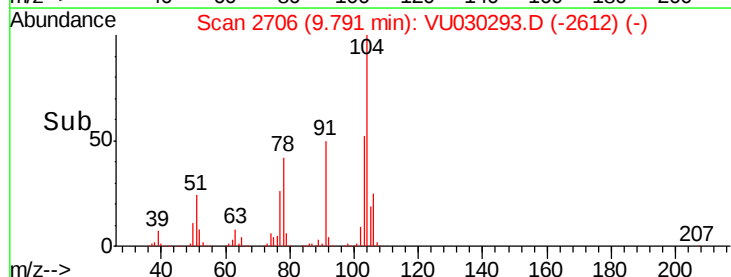
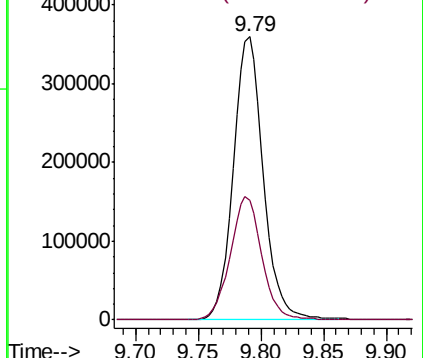
104 100

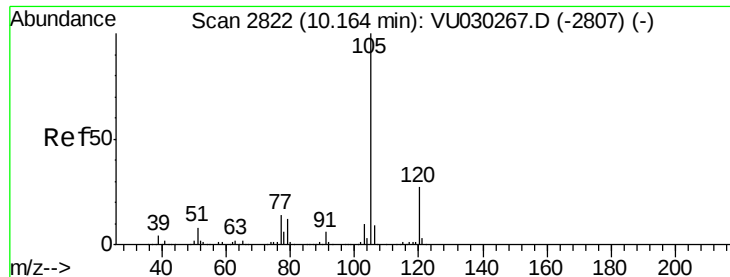
78 42.3 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.097 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

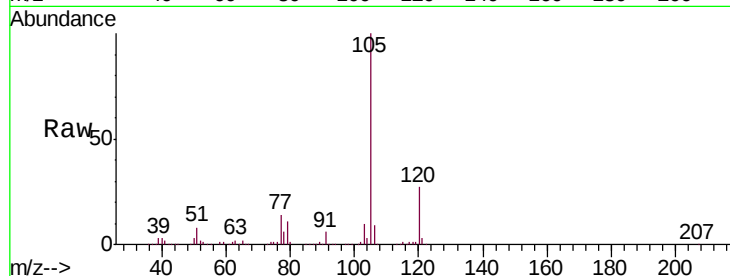
Tgt Ion:105 Resp: 900036

Ion Ratio Lower Upper

105 100

120 27.2 21.8 32.8

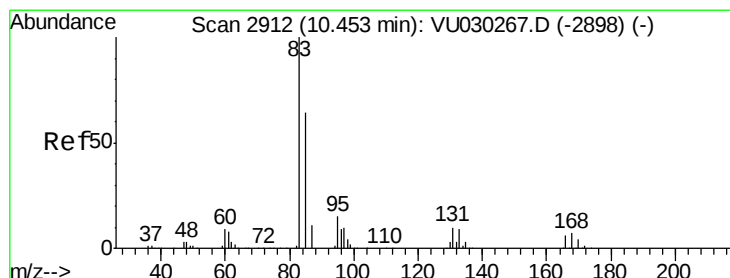
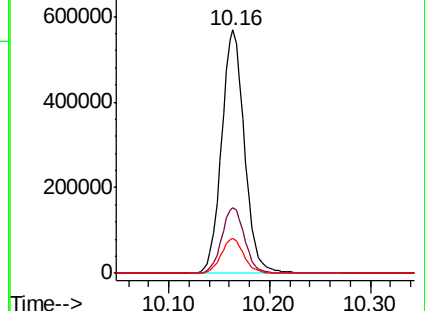
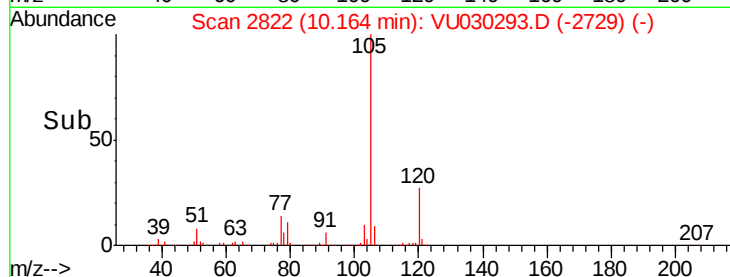
77 14.3 11.3 16.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.239 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

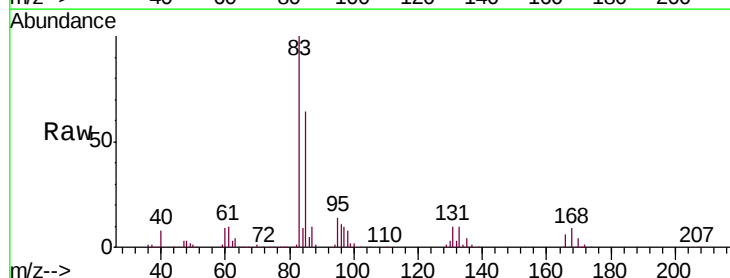
Tgt Ion: 83 Resp: 349589

Ion Ratio Lower Upper

83 100

85 64.0 45.7 84.9

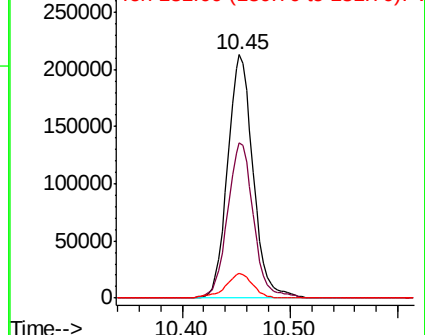
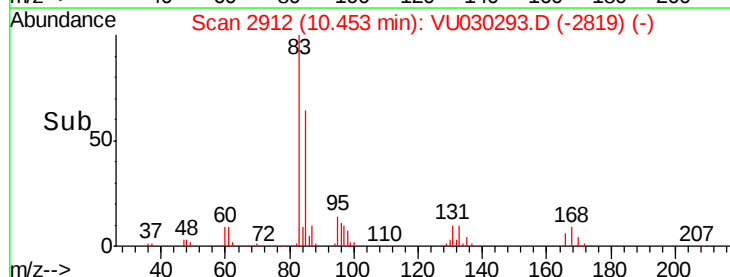
131 10.1 7.8 11.6

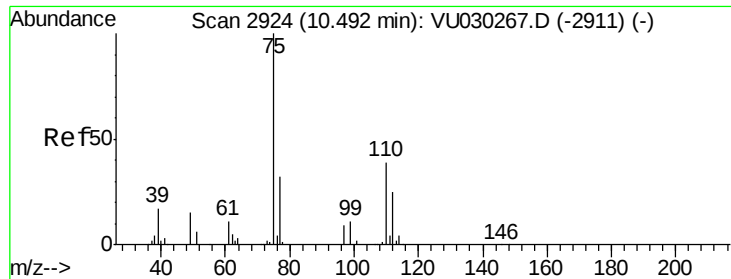


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

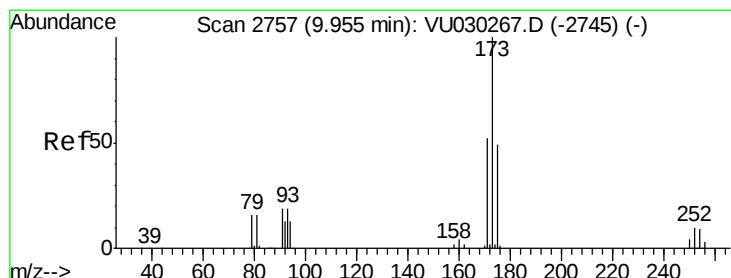
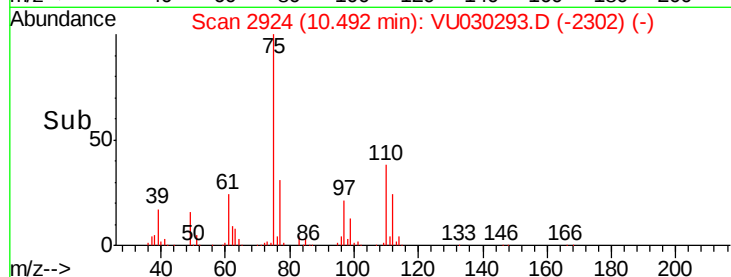
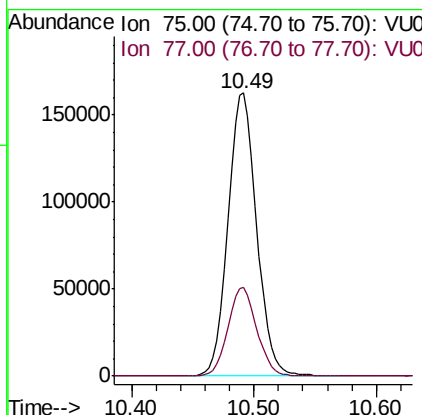
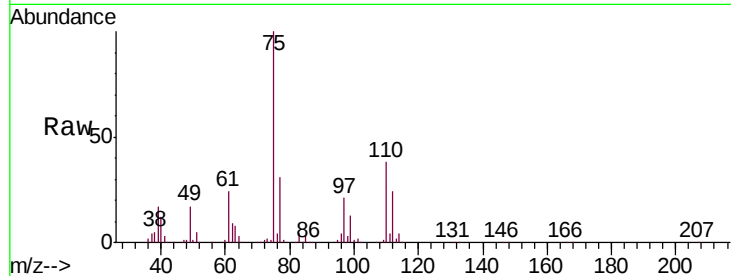




#59
 1,2,3-Trichloropropane
 Concen: 49.550 ug/L
 RT: 10.49 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

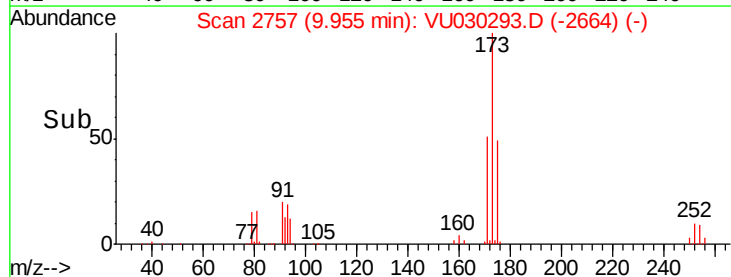
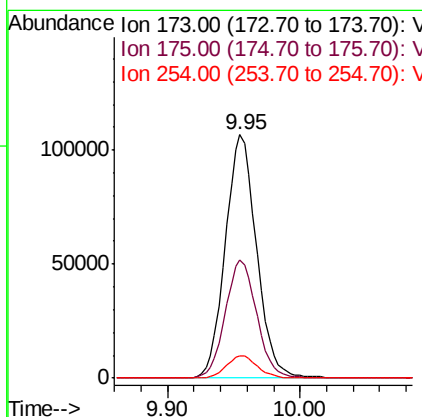
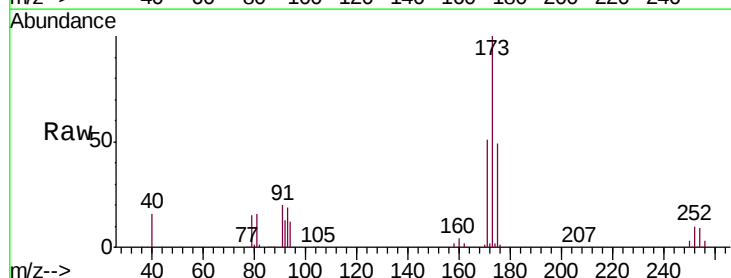
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

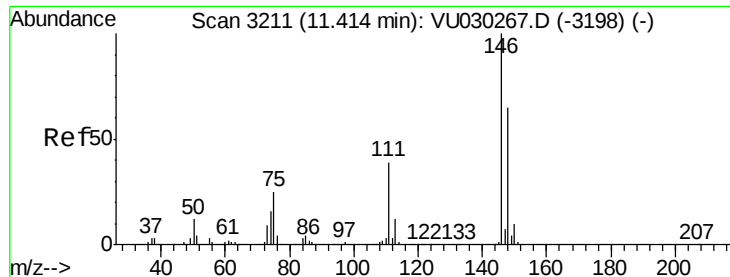
Tgt Ion: 75 Resp: 266231
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8



#61
 Bromoform
 Concen: 49.104 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

Tgt Ion: 173 Resp: 174745
 Ion Ratio Lower Upper
 173 100
 175 48.7 38.9 58.3
 254 9.1 7.4 11.0





#62

1,3-Dichlorobenzene

Concen: 48.933 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

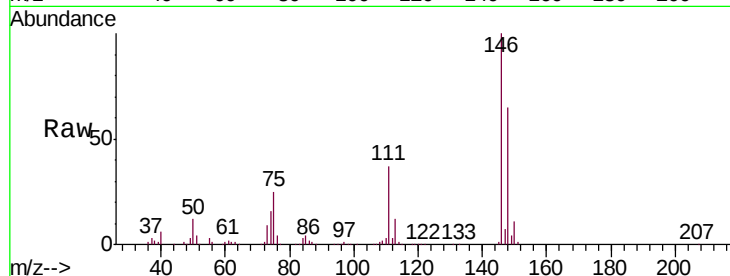
Tgt Ion:146 Resp: 430218

Ion Ratio Lower Upper

146 100

111 37.2 27.2 50.4

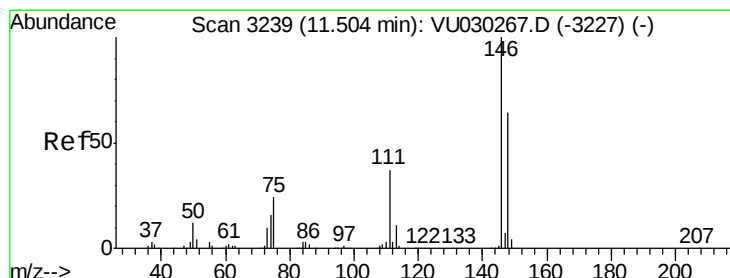
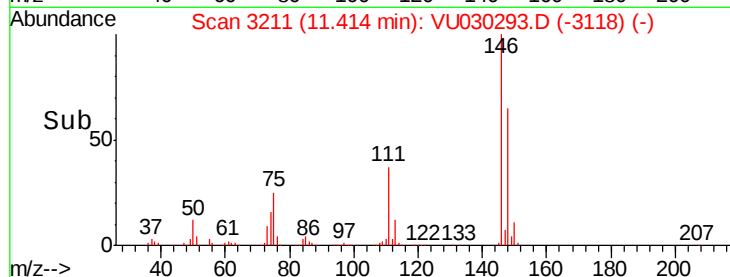
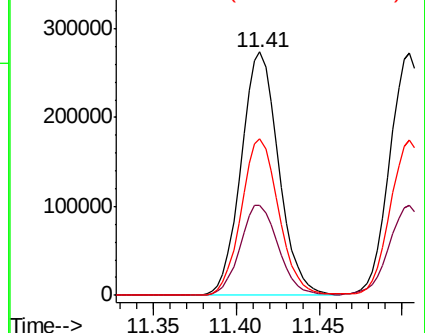
148 64.5 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.636 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

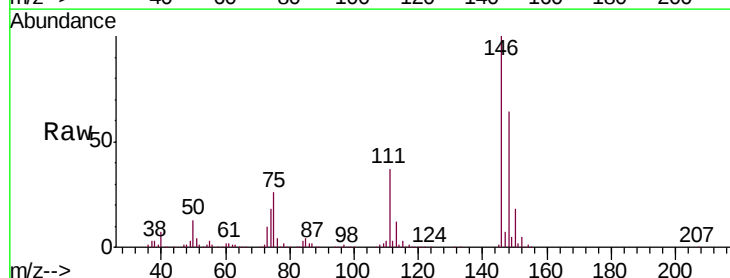
Tgt Ion:146 Resp: 443548

Ion Ratio Lower Upper

146 100

111 37.1 25.3 46.9

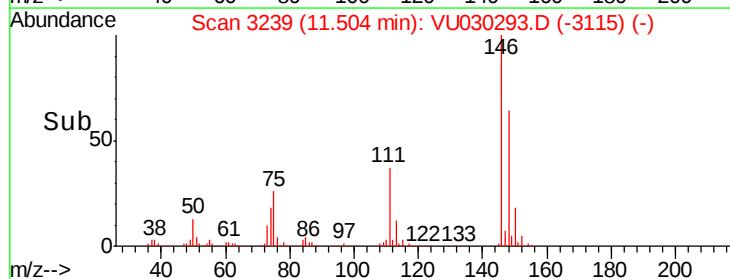
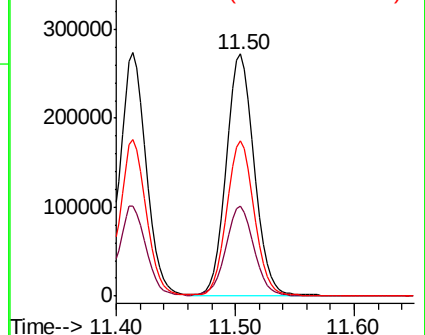
148 64.4 44.7 82.9

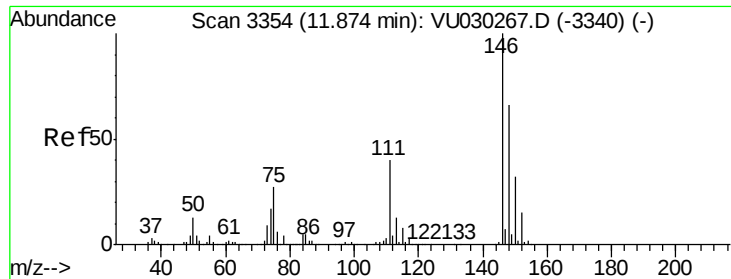


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

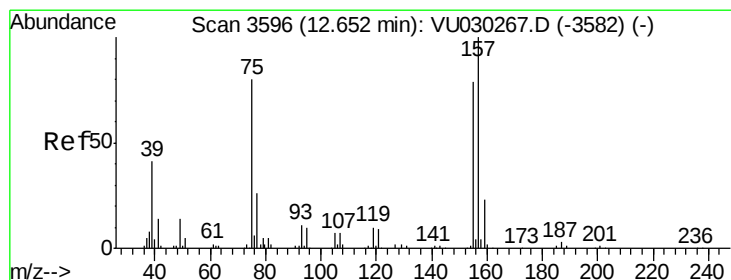
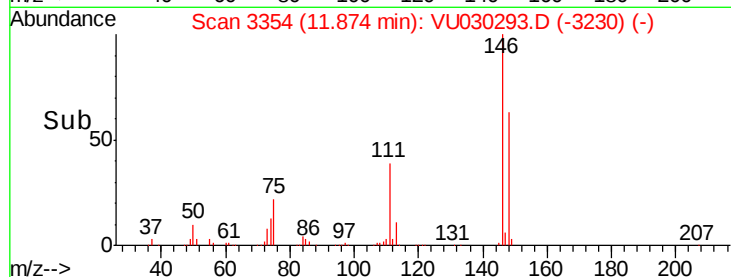
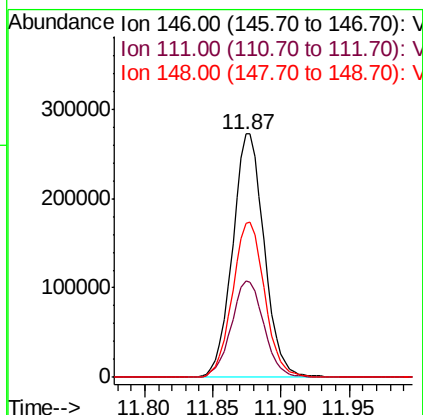
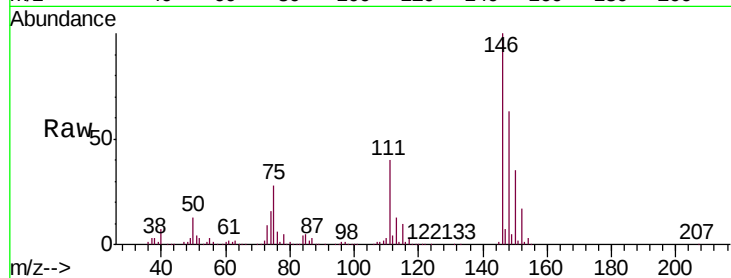




#65
 1,2-Dichlorobenzene
 Concen: 48.769 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

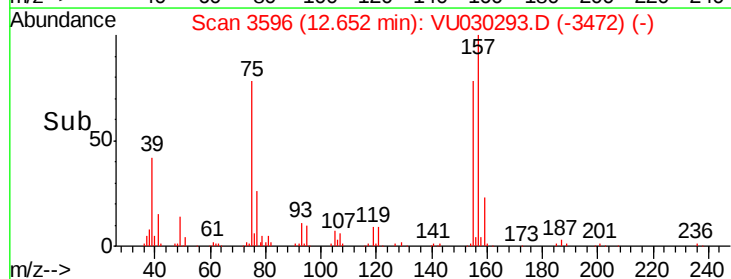
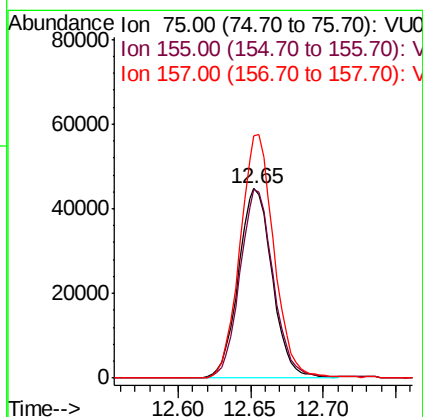
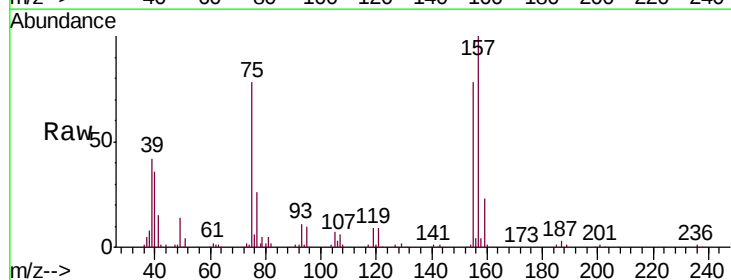
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

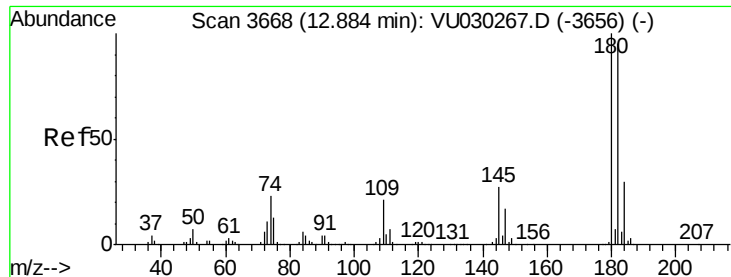
Tgt Ion:146 Resp: 438082
 Ion Ratio Lower Upper
 146 100
 111 39.7 31.7 47.5
 148 63.1 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.446 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

Tgt Ion: 75 Resp: 72758
 Ion Ratio Lower Upper
 75 100
 155 99.4 80.7 121.1
 157 127.8 100.8 151.2

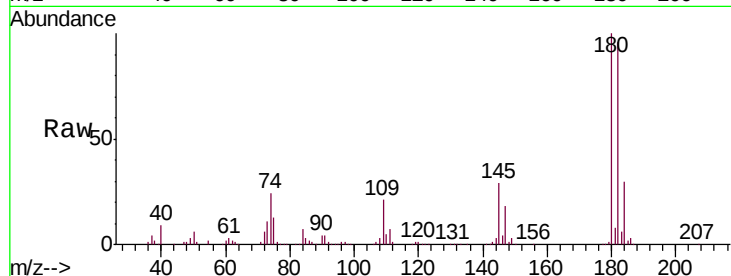




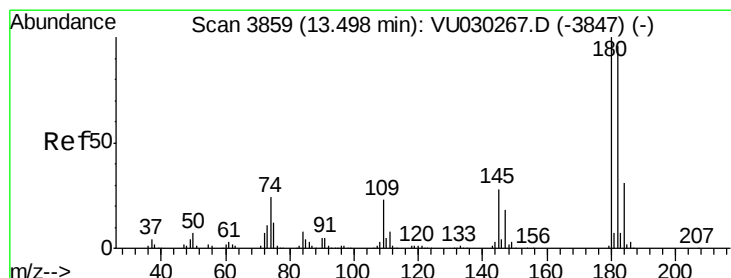
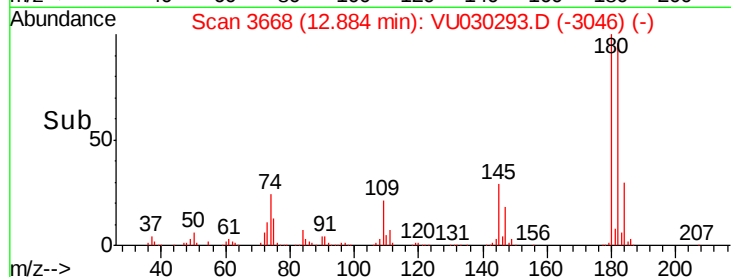
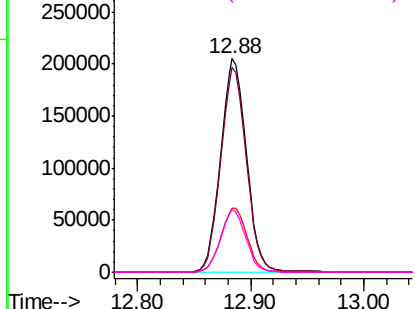
#67
 1,3,5-Trichlorobenzene
 Concen: 47.656 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion:180 Resp: 327453
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.0 114.0
 184 30.5 24.2 36.4
 145 28.5 22.1 33.1

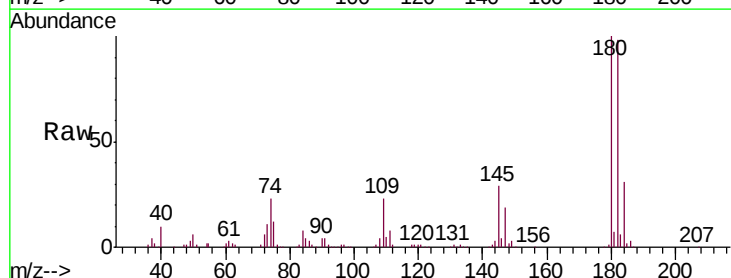


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

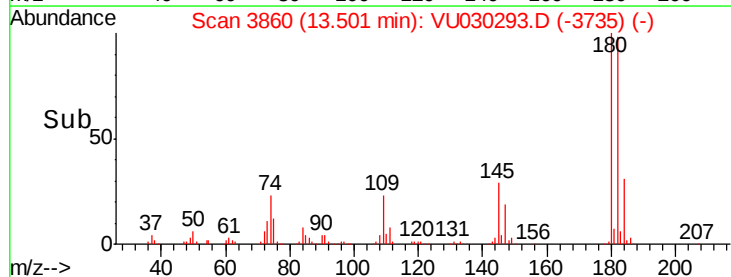
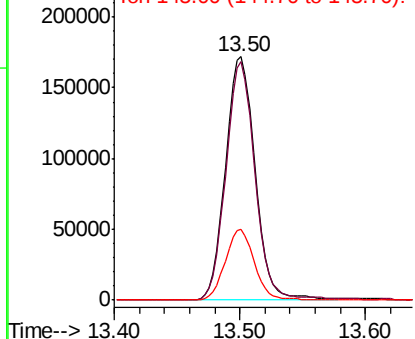


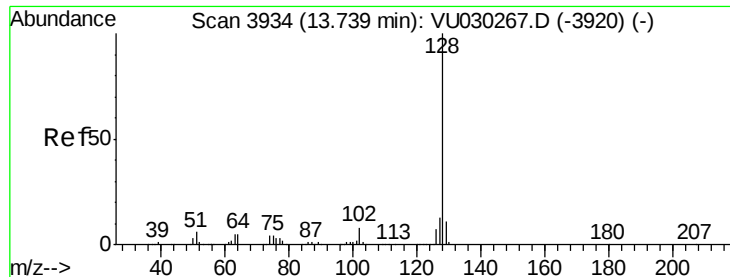
#68
 1,2,4-trichlorobenzene
 Concen: 46.509 ug/L
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030293.D
 Acq: 22 Mar 2019 02:14

Tgt Ion:180 Resp: 282605
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.4 114.6
 145 28.3 22.7 34.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 44.793 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

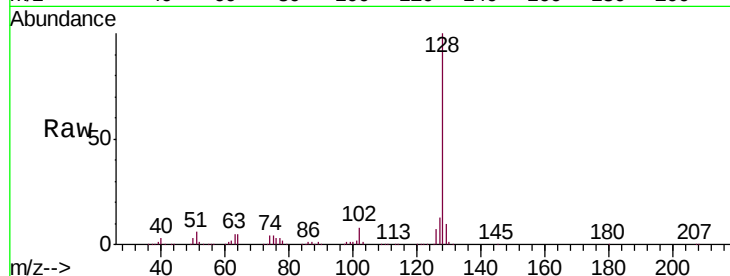
Tgt Ion:128 Resp: 863524

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

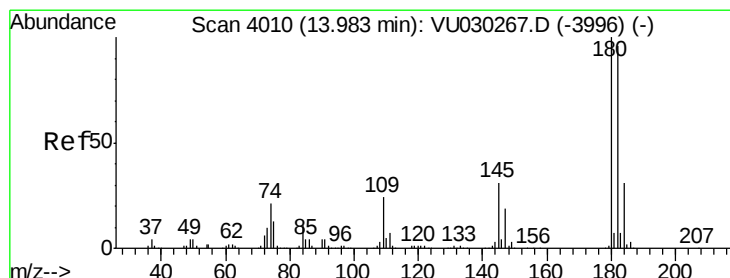
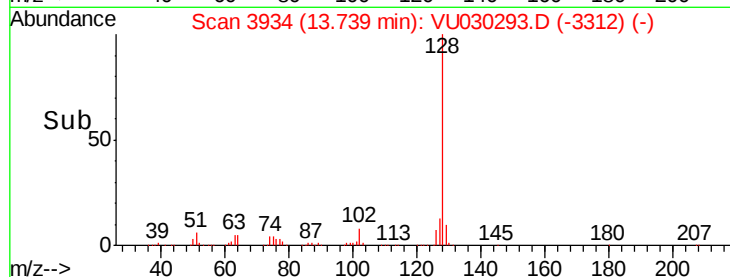
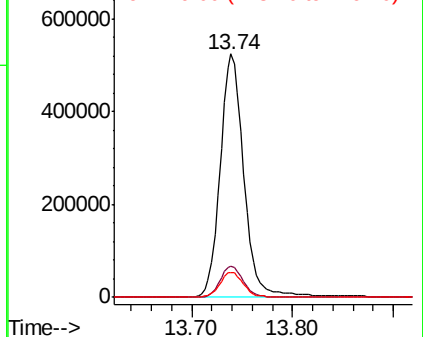
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.071 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU030293.D

Acq: 22 Mar 2019 02:14

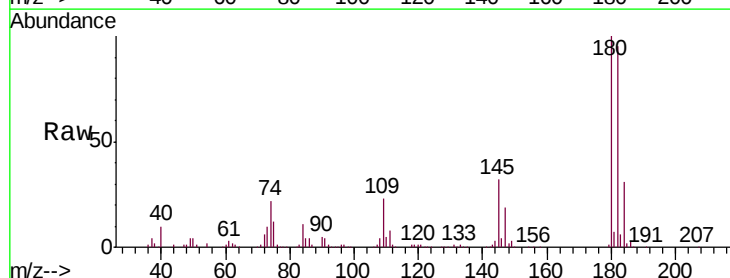
Tgt Ion:180 Resp: 298440

Ion Ratio Lower Upper

180 100

182 95.7 75.9 113.9

145 30.9 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

