

Data File : VU029873.D
Acq On : 08 Mar 2019 00:04
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Quant Time: Mar 08 04:37:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	512422	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	508006	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	267854	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	184743	49.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.40%
7) Chloroethane-d5	1.68	69	148162	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.78%
11) 1,1-Dichloroethene-d2	2.27	63	320085	43.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.22%
21) 2-Butanone-d5	4.17	46	264458	115.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.74%
24) Chloroform-d	4.64	84	318939	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
26) 1,2-Dichloroethane-d4	5.31	65	188406	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.72%
32) Benzene-d6	5.34	84	685558	53.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.26%
36) 1,2-Dichloropropane-d6	6.33	67	202823	52.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.48%
41) Toluene-d8	7.56	98	648434	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%
43) trans-1,3-Dichloropropene-	7.85	79	94299	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.46%
47) 2-Hexanone-d5	8.31	63	224230	104.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.70%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316681	48.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.46%
64) 1,2-Dichlorobenzene-d4	11.85	152	273939	47.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	167341	47.628 ug/L	98
3) Chloromethane	1.32	50	170612	55.353 ug/L	98
5) Vinyl chloride	1.40	62	193776	46.291 ug/L	100
6) Bromomethane	1.62	94	119209	62.399 ug/L	100
8) Chloroethane	1.69	64	119536	42.933 ug/L	98
9) Trichlorofluoromethane	1.88	101	259045	38.821 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	159728	44.750 ug/L	100
12) 1,1-Dichloroethene	2.28	96	156776	46.201 ug/L	93
13) Acetone	2.32	43	178989	73.305 ug/L	97
14) Carbon disulfide	2.47	76	428701	48.239 ug/L	99
15) Methyl Acetate	2.61	43	195263	61.611 ug/L	99
16) Methylene chloride	2.70	84	185284	56.428 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	168132	53.682 ug/L	98
18) Methyl tert-butyl Ether	3.00	73	520801	53.710 ug/L	98
19) 1,1-Dichloroethane	3.44	63	299468	55.296 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	194968	53.573 ug/L	99
22) 2-Butanone	4.26	43	274590	98.540 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	102344	51.300	ug/L	93
25) Chloroform	4.67	83	318478	52.707	ug/L	100
27) 1,2-Dichloroethane	5.40	62	230928	49.708	ug/L	96
29) Cyclohexane	4.99	56	250918	49.911	ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	265945	49.373	ug/L	100
31) Carbon tetrachloride	5.13	117	224704	46.091	ug/L	100
33) Benzene	5.39	78	703877	54.042	ug/L	100
34) Trichloroethene	6.18	95	182605	52.044	ug/L	97
35) Methylcyclohexane	6.41	83	282442	48.472	ug/L	97
37) 1,2-Dichloropropane	6.43	63	183458	53.658	ug/L	99
38) Bromodichloromethane	6.75	83	228997	49.682	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	276599	50.143	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	523232	108.829	ug/L	98
42) Toluene	7.63	91	768055	49.865	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	250962	48.274	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	190216	52.197	ug/L	98
46) Tetrachloroethene	8.22	164	162408	47.291	ug/L	99
48) 2-Hexanone	8.36	43	414222	98.624	ug/L	97
49) Dibromochloromethane	8.47	129	206629	46.771	ug/L	99
50) 1,2-Dibromoethane	8.58	107	205164	50.814	ug/L	99
51) Chlorobenzene	9.12	112	516565	48.863	ug/L	99
52) Ethylbenzene	9.25	91	854076	48.823	ug/L	100
53) m,p-Xylene	9.37	106	334821	47.681	ug/L	100
54) o-xylene	9.77	106	331869	47.050	ug/L	98
55) Styrene	9.79	104	567033	47.621	ug/L	95
56) Isopropylbenzene	10.16	105	867066	46.977	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	326562	50.676	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	249425	51.166	ug/L	99
61) Bromoform	9.95	173	161380	44.739	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	418887	49.049	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	423272	49.250	ug/L	100
65) 1,2-Dichlorobenzene	11.87	146	436316	48.943	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	68651	49.486	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	322177	49.436	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	286414	50.812	ug/L	100
69) Naphthalene	13.74	128	932744	53.836	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	302572	50.548	ug/L	98

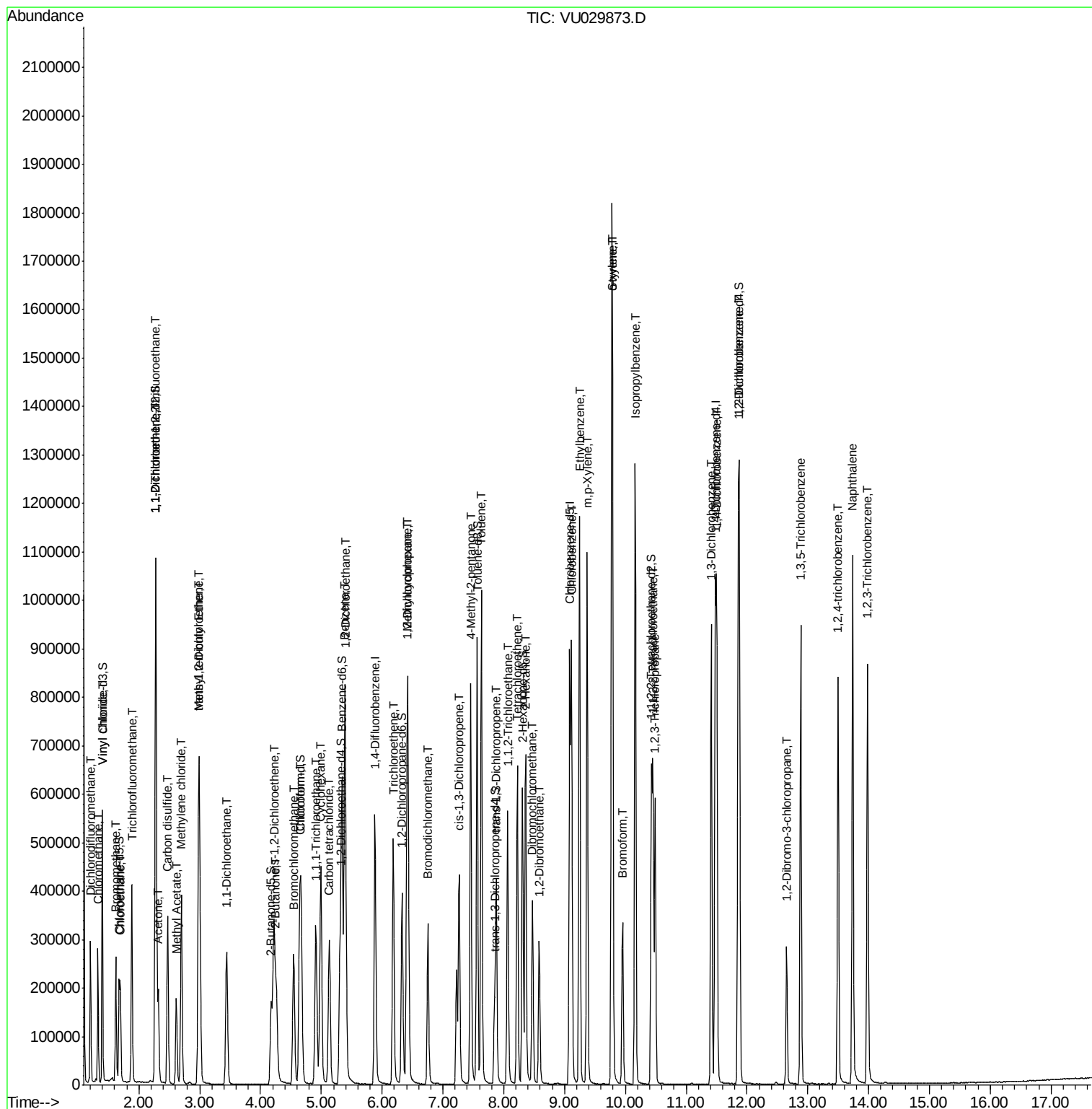
(#) = qualifier out of range (m) = manual integration (+) = signals summed

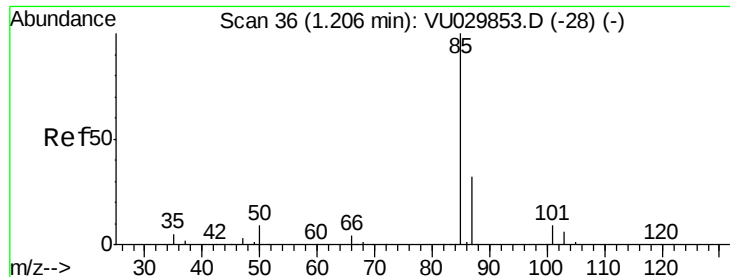
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#2

Dichlorodifluoromethane

Concen: 47.628 ug/L

RT: 1.21 min Scan# 36

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

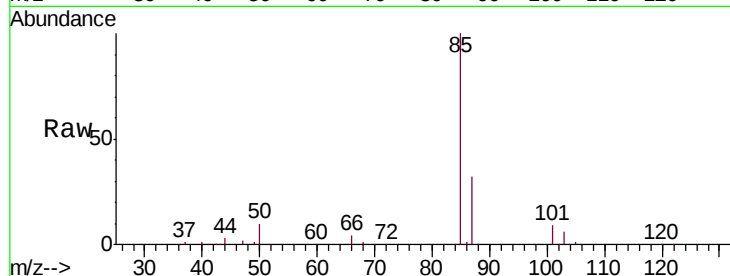
VSTD05052

Tgt Ion: 85 Resp: 167341

Ion Ratio Lower Upper

85 100

87 31.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

200000

150000

100000

50000

0

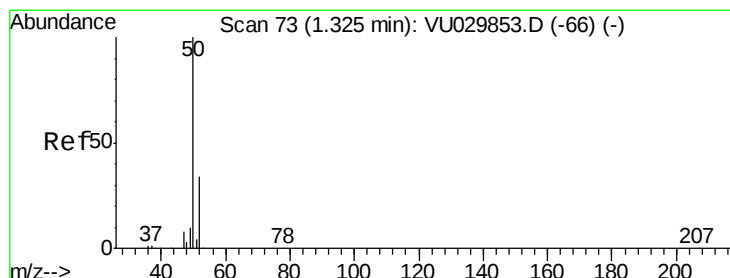
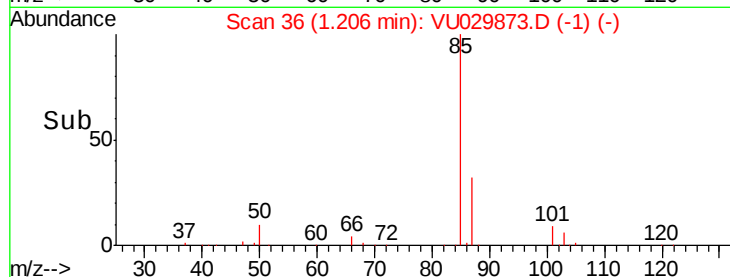
1.21

1.20

1.15

1.25

Time-->



#3

Chloromethane

Concen: 55.353 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU029873.D

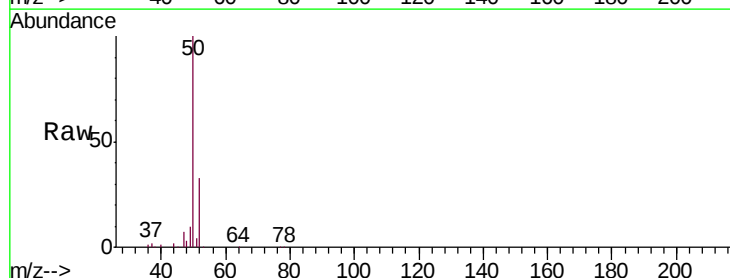
Acq: 08 Mar 2019 00:04

Tgt Ion: 50 Resp: 170612

Ion Ratio Lower Upper

50 100

52 32.9 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

200000

150000

100000

50000

0

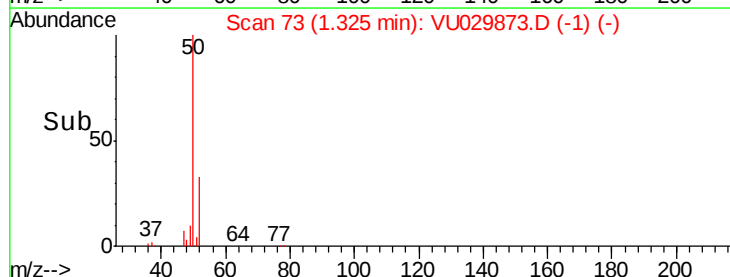
1.32

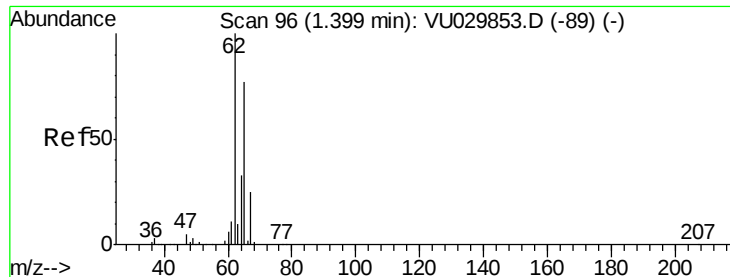
1.30

1.35

1.40

Time-->





#5

Vinyl chloride

Concen: 46.291 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

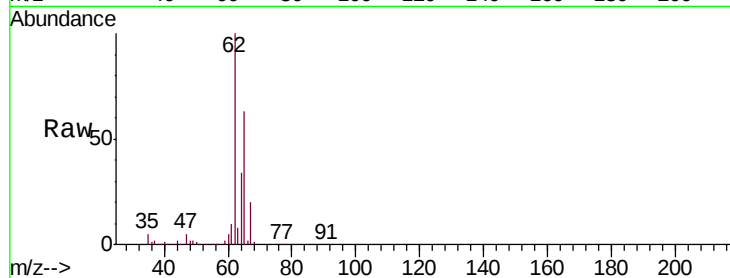
VSTD05052

Tgt Ion: 62 Resp: 193776

Ion Ratio Lower Upper

62 100

64 33.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

200000

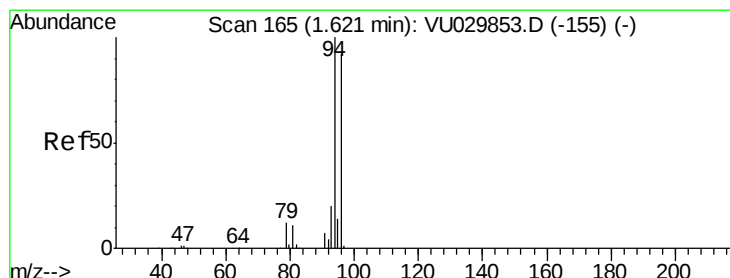
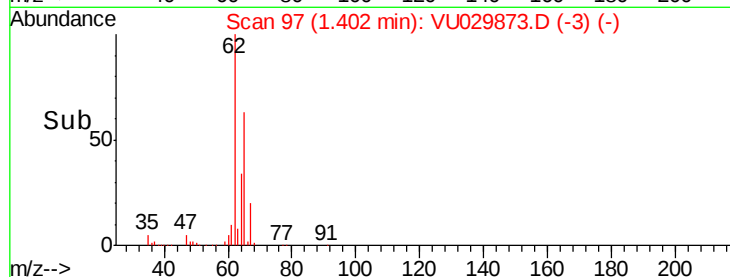
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 62.399 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029873.D

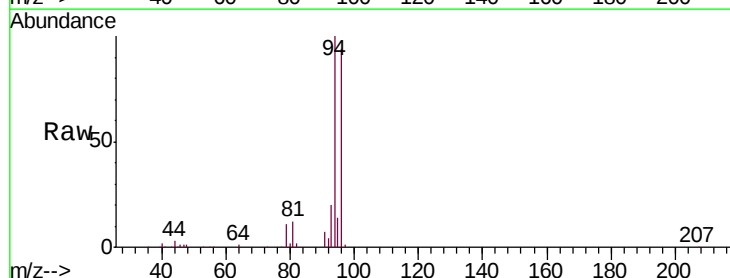
Acq: 08 Mar 2019 00:04

Tgt Ion: 94 Resp: 119209

Ion Ratio Lower Upper

94 100

96 94.4 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

100000

80000

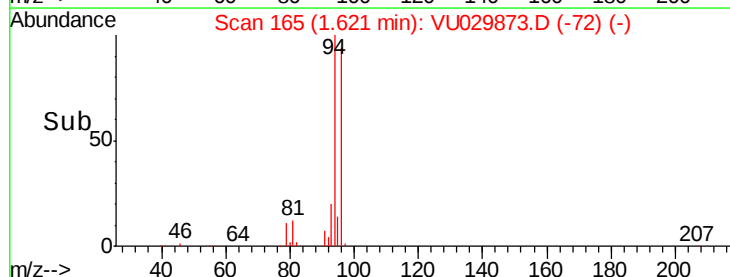
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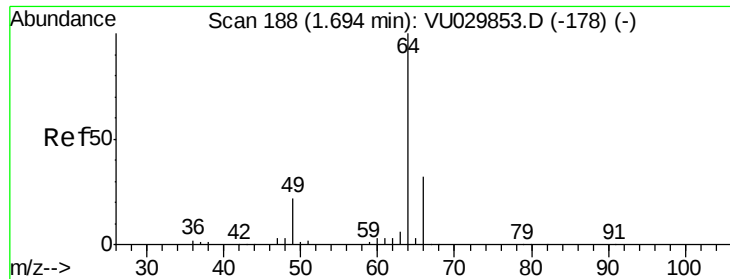
40000

20000

0

Time-->





#8

Chloroethane

Concen: 42.933 ug/L

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

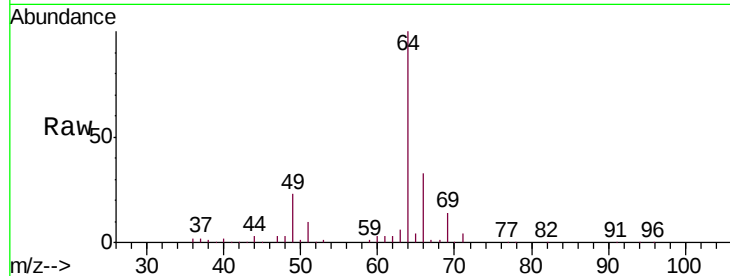
VSTD05052

Tgt Ion: 64 Resp: 119536

Ion Ratio Lower Upper

64 100

66 32.6 22.0 41.0



Abundance Ion 64.00 (63.70 to 64.70): VU029873.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU029873.D (-178) (-)

1.69

100000

80000

60000

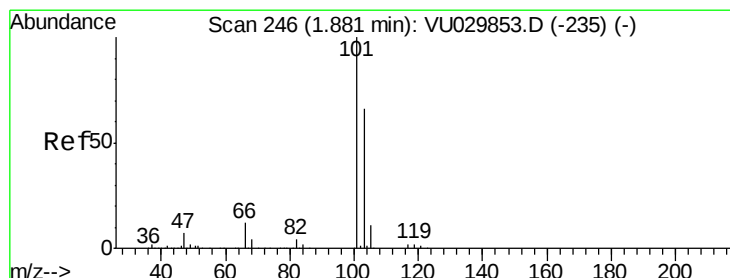
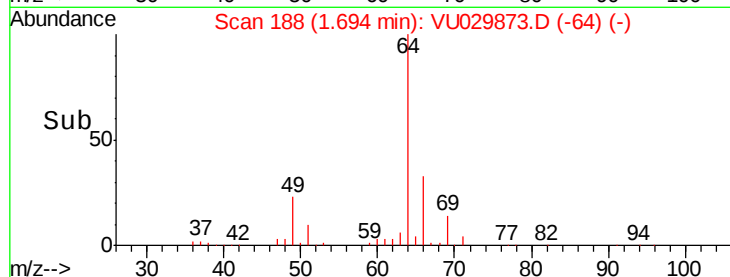
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 38.821 ug/L

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU029873.D

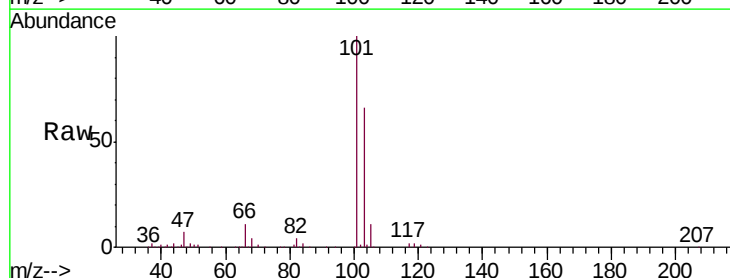
Acq: 08 Mar 2019 00:04

Tgt Ion: 101 Resp: 259045

Ion Ratio Lower Upper

101 100

103 65.5 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): VU029873.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU029873.D (-235) (-)

1.88

200000

150000

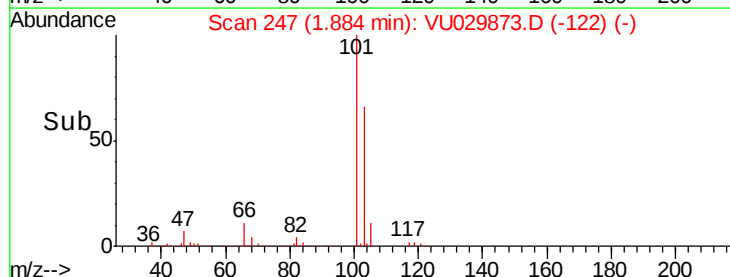
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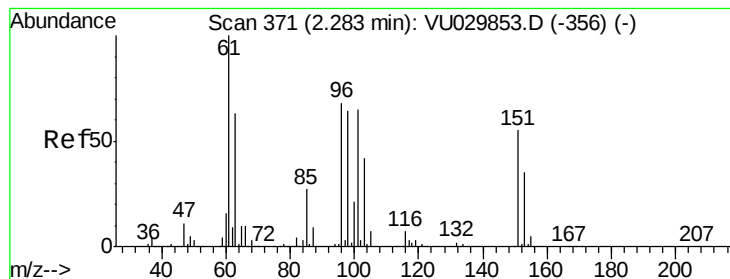
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 44.750 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

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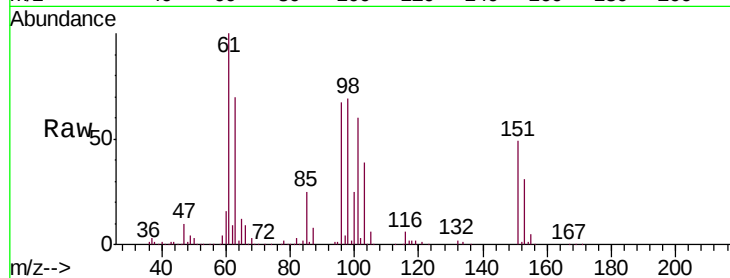
Tgt Ion: 101 Resp: 159728

Ion Ratio Lower Upper

101 100

85 41.7 33.0 49.6

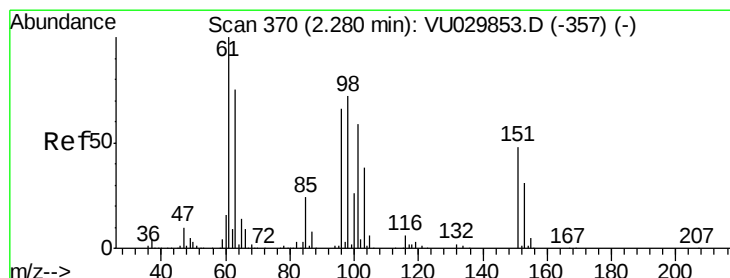
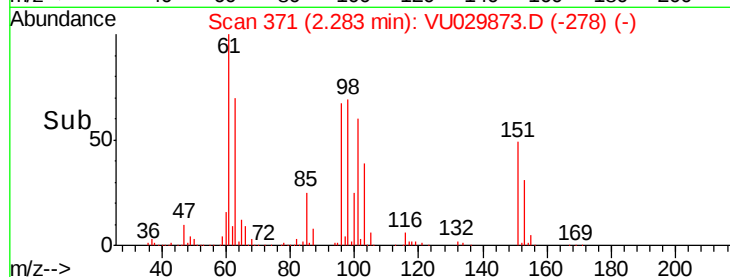
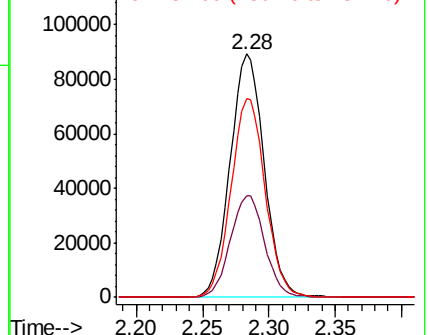
151 81.7 65.7 98.5



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: 46.201 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

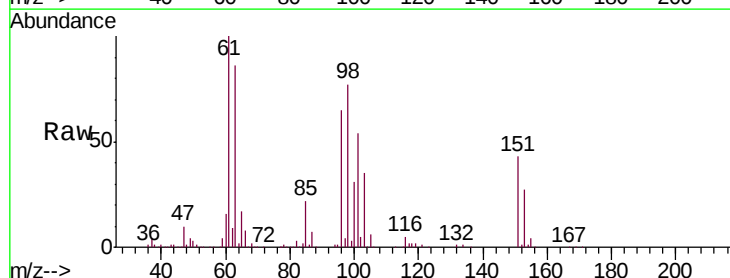
Tgt Ion: 96 Resp: 156776

Ion Ratio Lower Upper

96 100

61 153.7 114.0 211.8

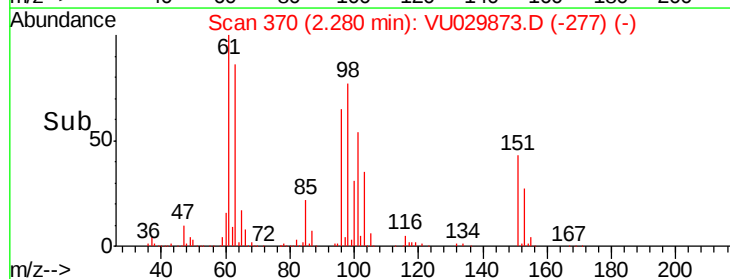
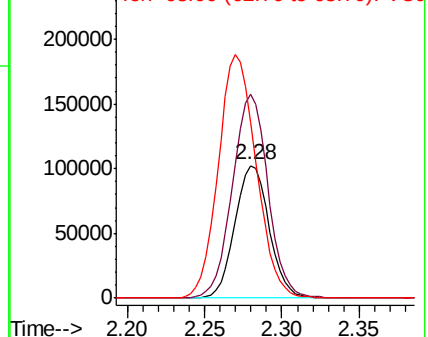
63 132.3 98.7 183.3

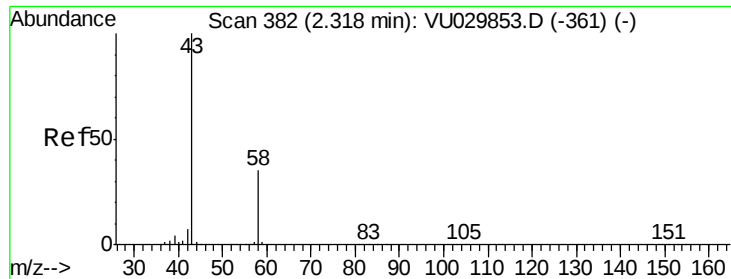


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 73.305 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

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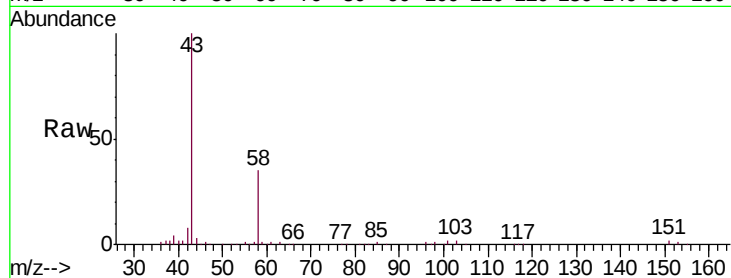
VSTD05052

Tgt Ion: 43 Resp: 178989

Ion Ratio Lower Upper

43 100

58 34.9 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU029873.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU029873.D (-361) (-)

2.32

120000

100000

80000

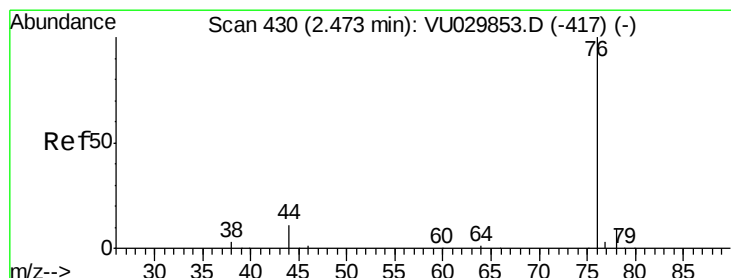
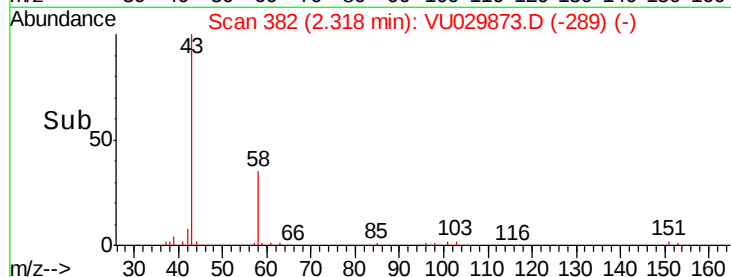
60000

40000

20000

0

Time-->



#14

Carbon disulfide

Concen: 48.239 ug/L

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029873.D

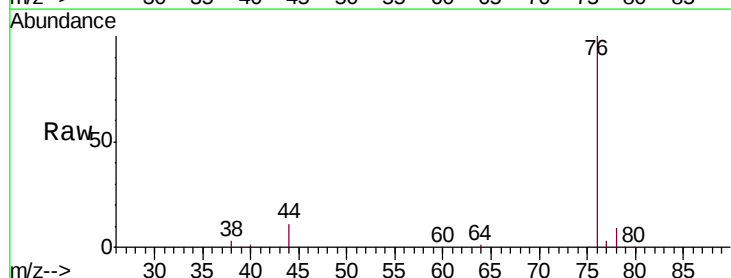
Acq: 08 Mar 2019 00:04

Tgt Ion: 76 Resp: 428701

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU029873.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU029873.D (-417) (-)

2.47

300000

250000

200000

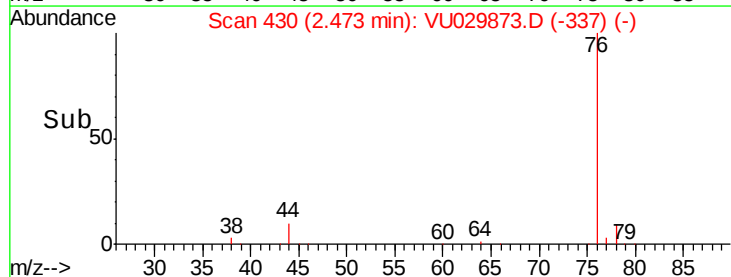
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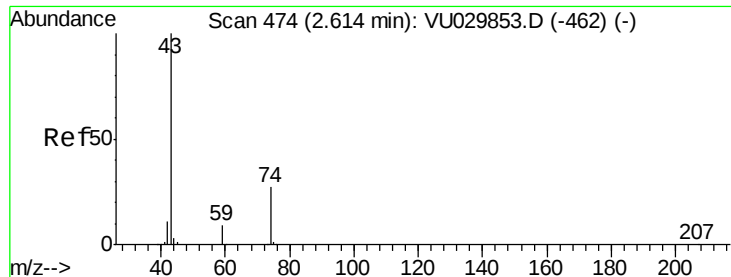
100000

50000

0

Time-->

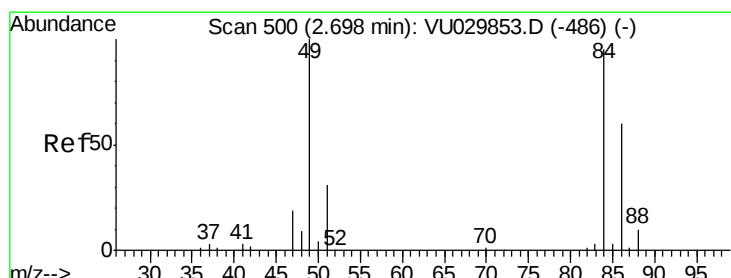
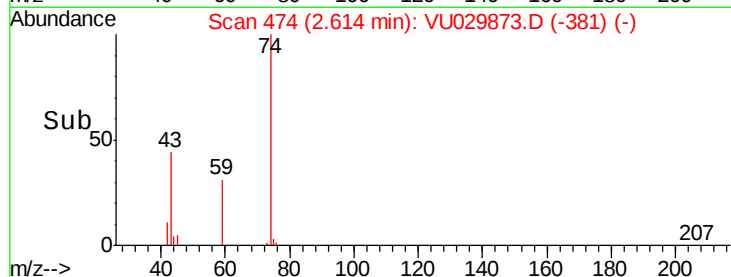
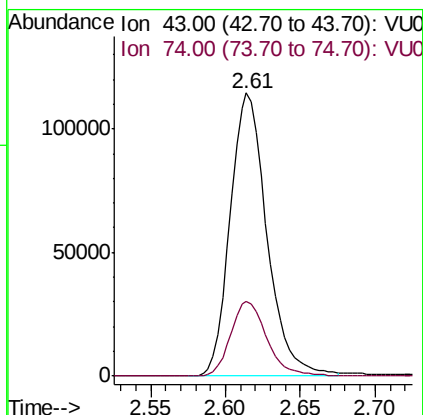
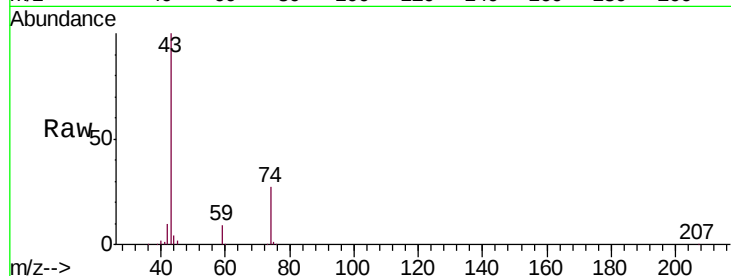




#15
Methyl Acetate
Concen: 61.611 ug/L
RT: 2.61 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029873.D
Acq: 08 Mar 2019 00:04

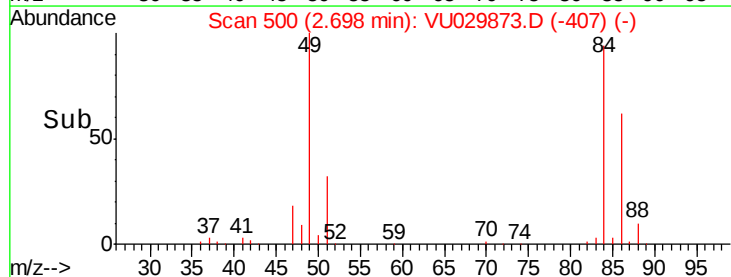
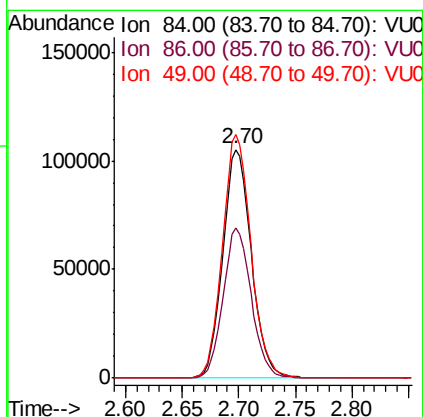
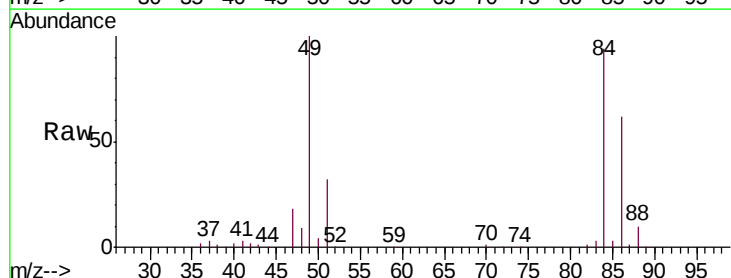
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

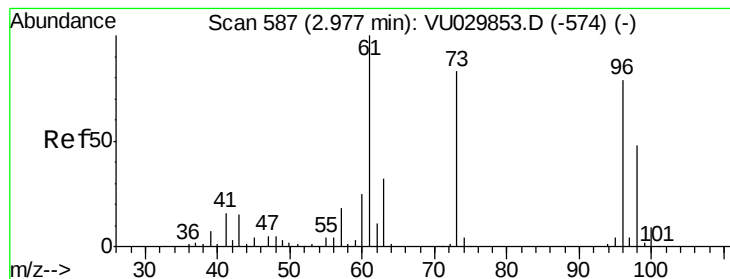
Tgt Ion: 43 Resp: 195263
Ion Ratio Lower Upper
43 100
74 26.3 21.5 32.3



#16
Methylene chloride
Concen: 56.428 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029873.D
Acq: 08 Mar 2019 00:04

Tgt Ion: 84 Resp: 185284
Ion Ratio Lower Upper
84 100
86 65.7 45.8 85.0
49 106.6 75.1 139.5





#17

trans-1,2-Dichloroethene

Concen: 53.682 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

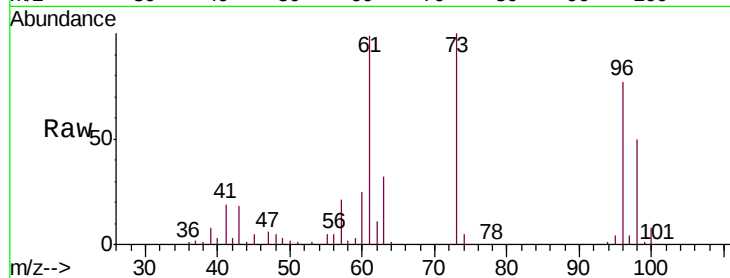
Tgt Ion: 96 Resp: 168132

Ion Ratio Lower Upper

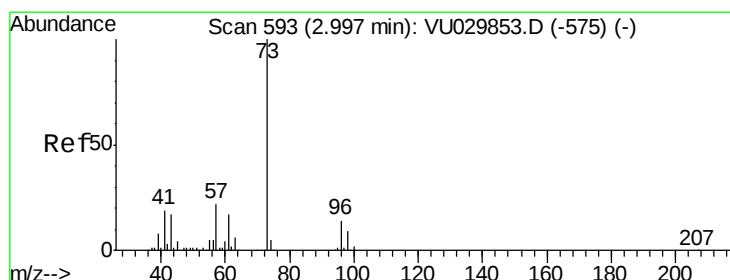
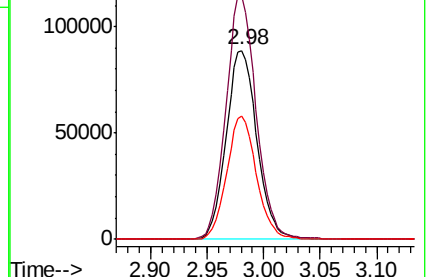
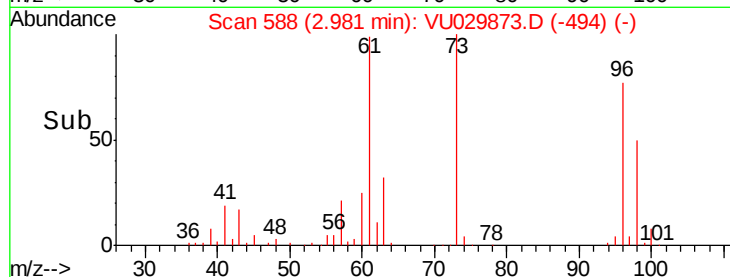
96 100

61 128.9 88.3 163.9

98 65.5 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 53.710 ug/L

RT: 3.00 min Scan# 593

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

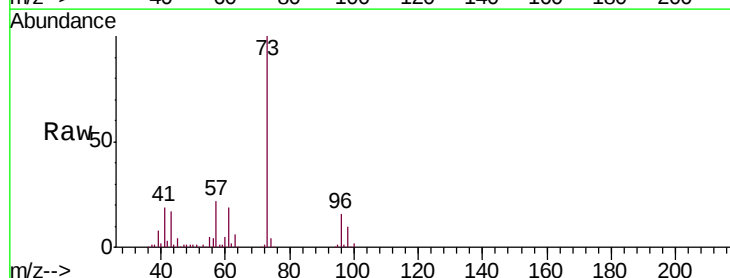
Tgt Ion: 73 Resp: 520801

Ion Ratio Lower Upper

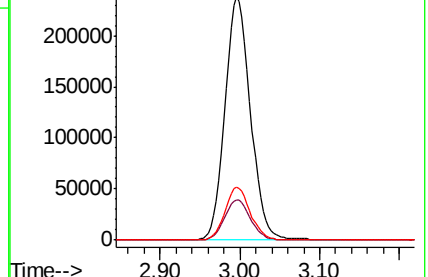
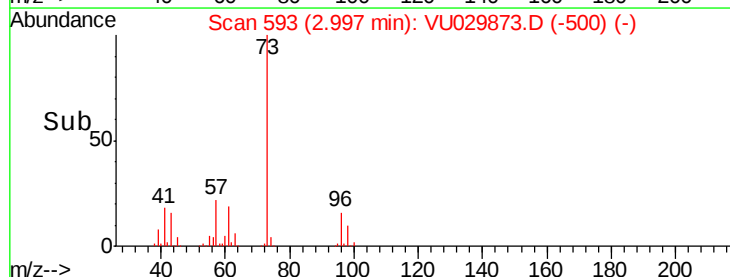
73 100

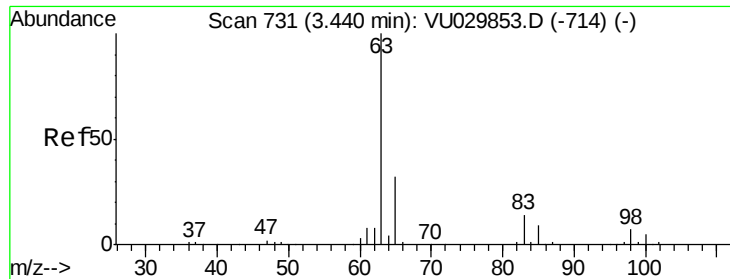
43 17.1 14.8 22.2

57 21.3 16.5 24.7



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

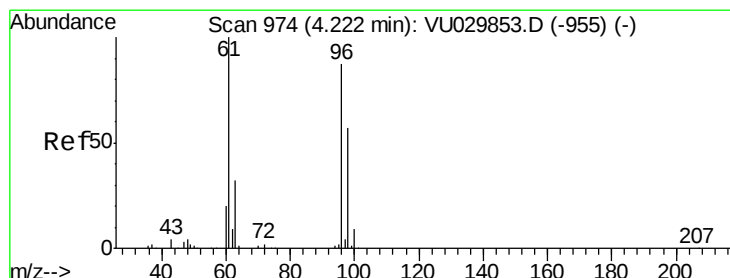
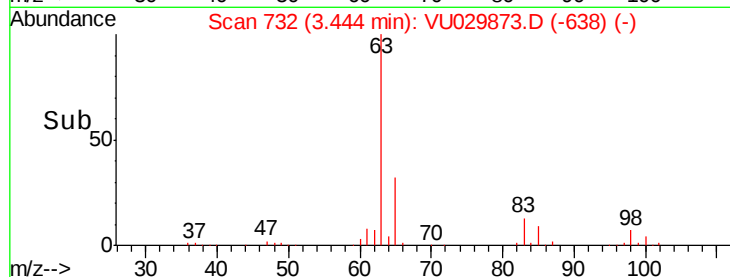
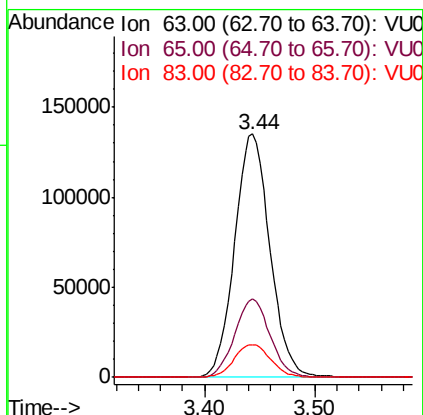
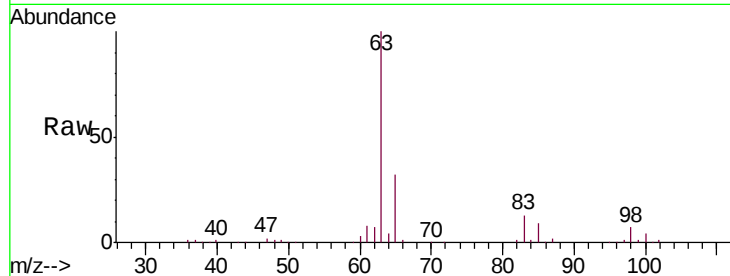




#19
 1,1-Dichloroethane
 Concen: 55.296 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

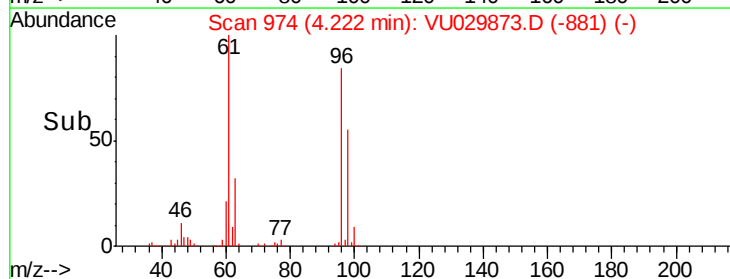
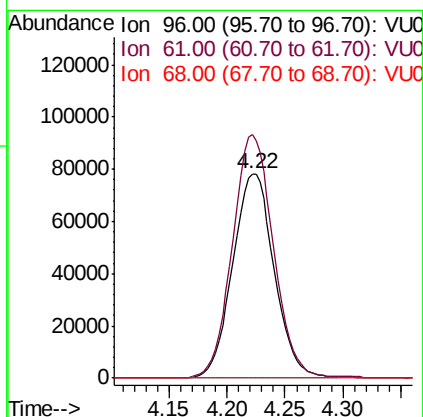
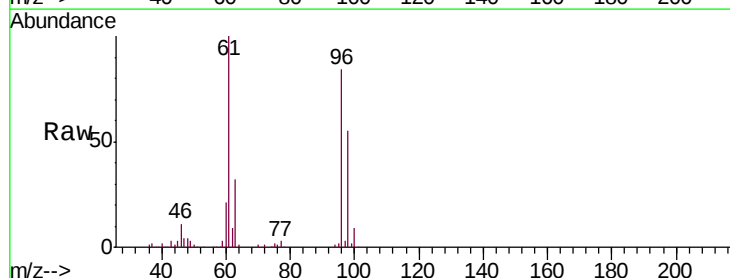
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

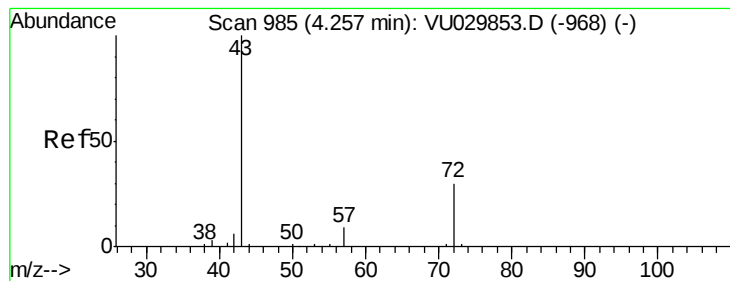
Tgt Ion: 63 Resp: 299468
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.3 41.3
 83 13.4 9.9 18.3



#20
 cis-1,2-Dichloroethene
 Concen: 53.573 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

Tgt Ion: 96 Resp: 194968
 Ion Ratio Lower Upper
 96 100
 61 119.1 83.9 155.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 98.540 ug/L

RT: 4.26 min Scan# 986

Delta R.T. 0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

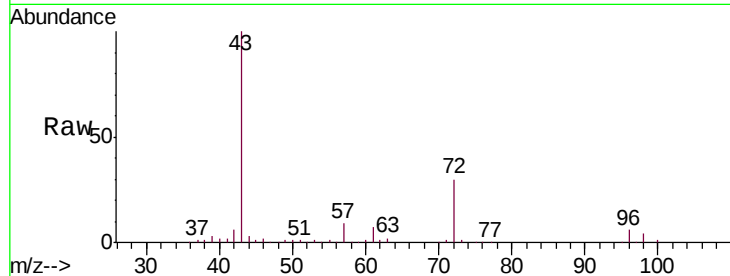
VSTD05052

Tgt Ion: 43 Resp: 274590

Ion Ratio Lower Upper

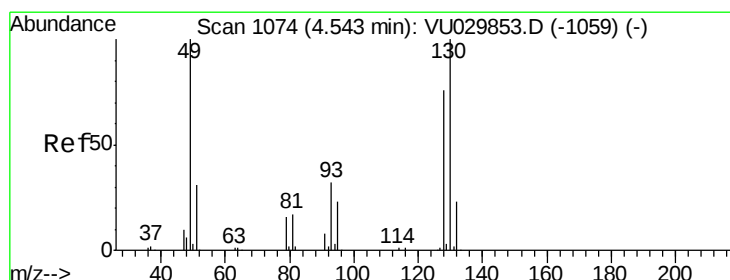
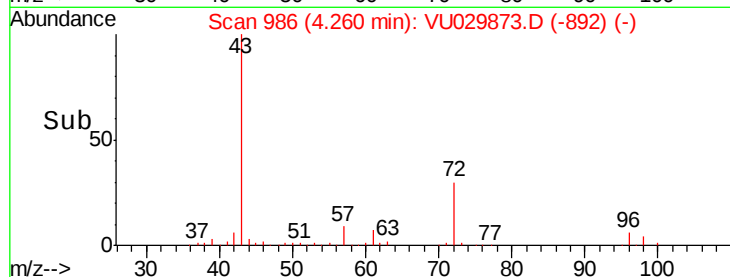
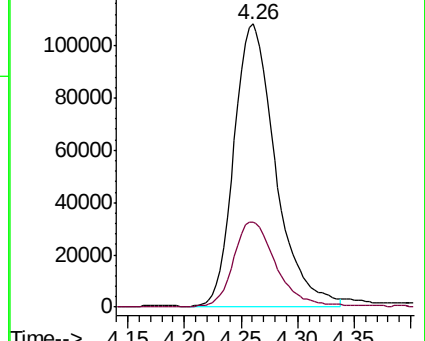
43 100

72 31.5 15.2 45.6



Abundance Ion 43.00 (42.70 to 43.70): VU029873.D (-982) (-)

Ion 72.00 (71.70 to 72.70): VU029873.D (-982) (-)



#23

Bromochloromethane

Concen: 51.300 ug/L

RT: 4.55 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Tgt Ion: 128 Resp: 102344

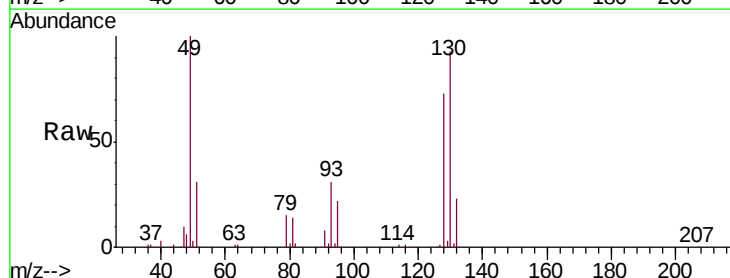
Ion Ratio Lower Upper

128 100

49 136.7 85.9 159.5

130 127.6 91.3 169.5

51 42.0 32.2 48.2

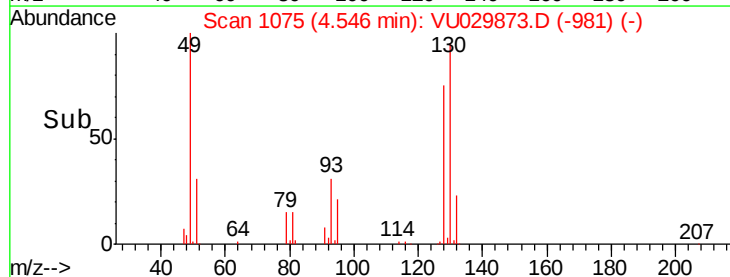
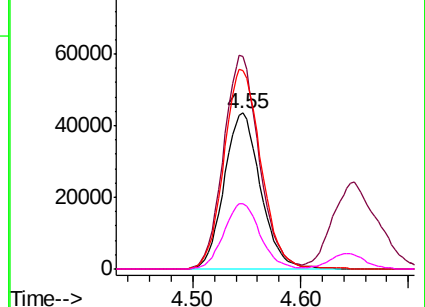


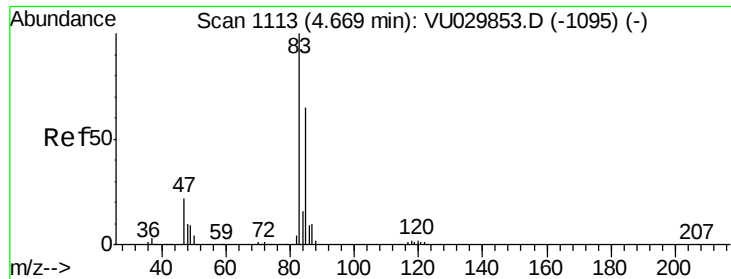
Abundance Ion 128.00 (127.70 to 128.70): VU029873.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VU029873.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VU029873.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VU029873.D (-981) (-)





#25

Chloroform

Concen: 52.707 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

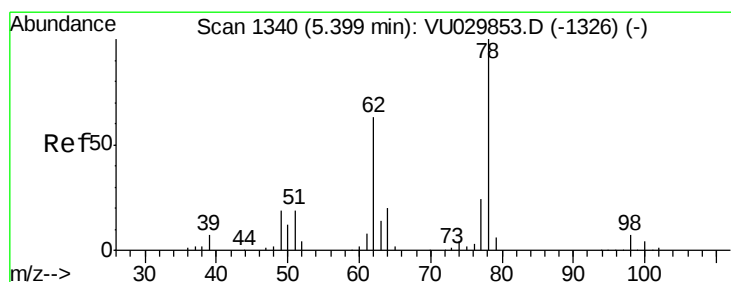
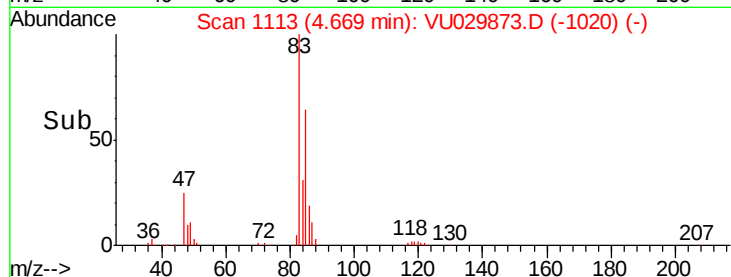
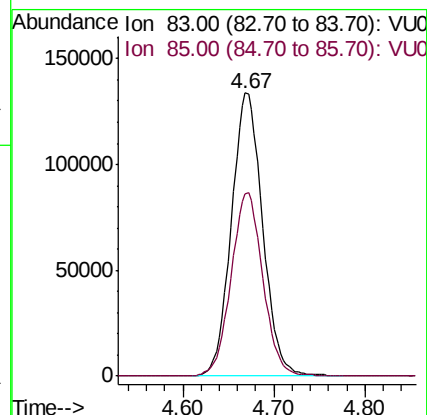
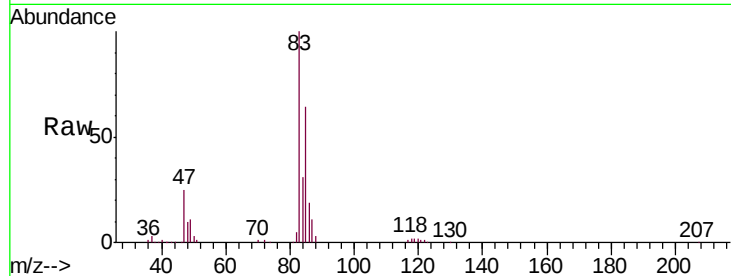
VSTD05052

Tgt Ion: 83 Resp: 318478

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.2



#27

1,2-Dichloroethane

Concen: 49.708 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU029873.D

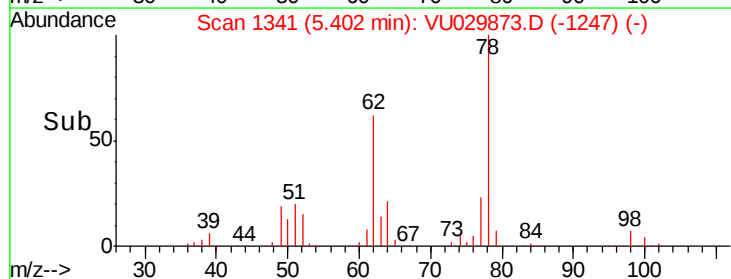
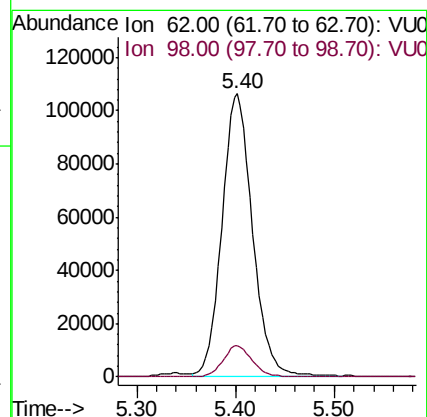
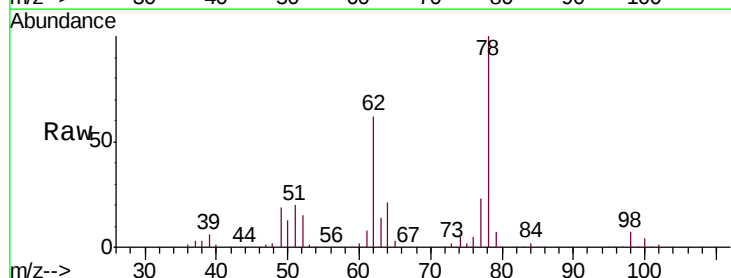
Acq: 08 Mar 2019 00:04

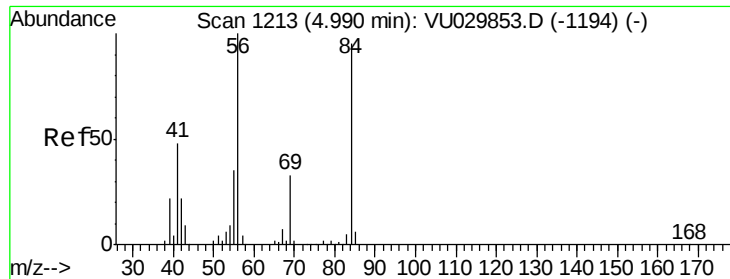
Tgt Ion: 62 Resp: 230928

Ion Ratio Lower Upper

62 100

98 11.1 7.8 11.8

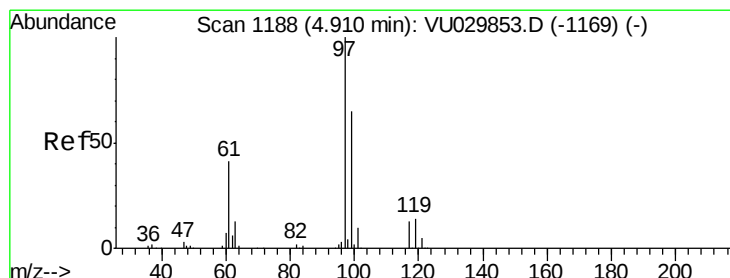
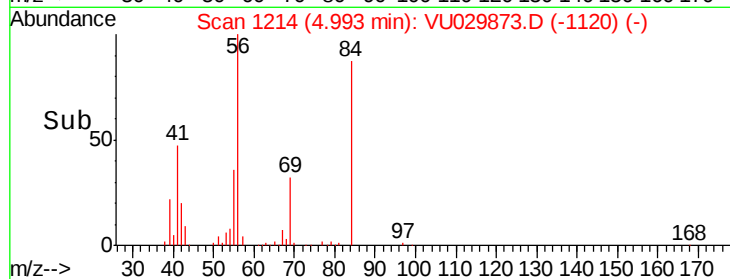
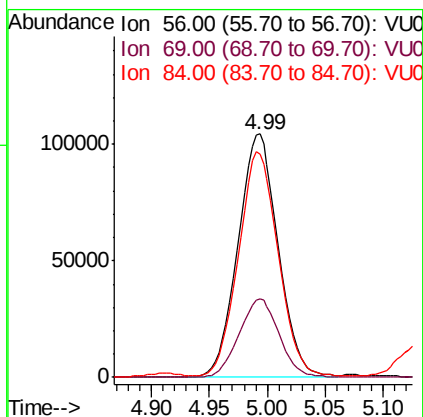
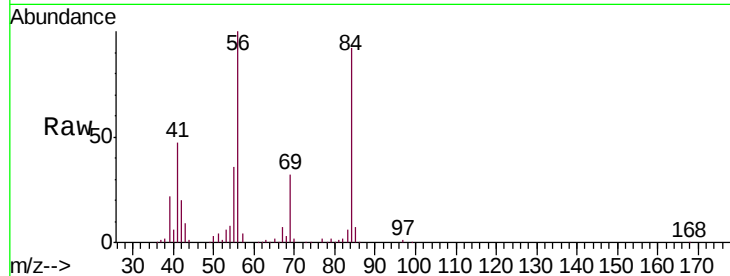




#29
Cyclohexane
Concen: 49.911 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.00 min
Lab File: VU029873.D
Acq: 08 Mar 2019 00:04

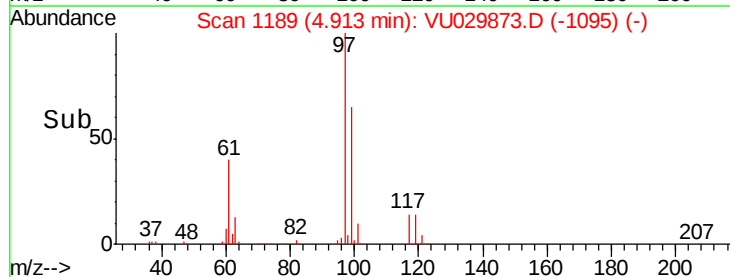
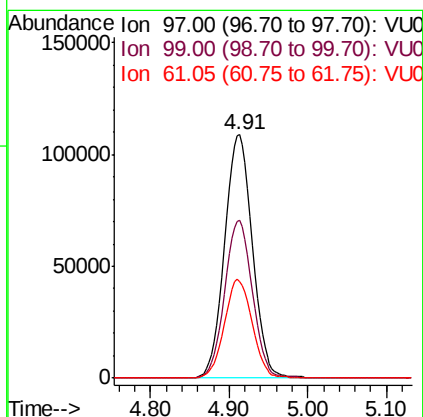
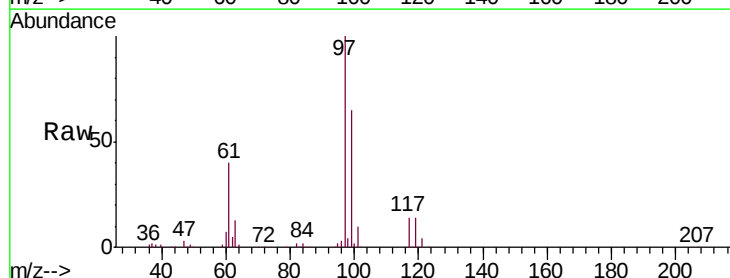
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

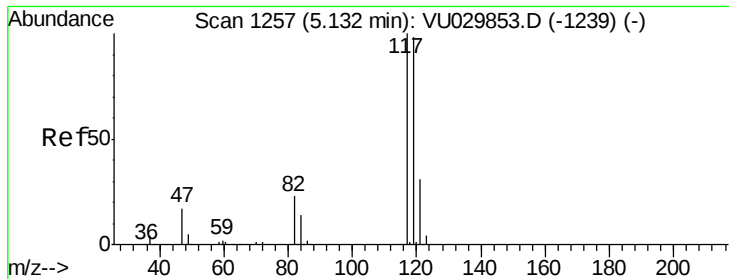
Tgt Ion: 56 Resp: 250918
Ion Ratio Lower Upper
56 100
69 32.3 25.7 38.5
84 92.5 77.1 115.7



#30
1,1,1-Trichloroethane
Concen: 49.373 ug/L
RT: 4.91 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU029873.D
Acq: 08 Mar 2019 00:04

Tgt Ion: 97 Resp: 265945
Ion Ratio Lower Upper
97 100
99 64.6 51.4 77.0
61 40.6 32.3 48.5





#31

Carbon tetrachloride

Concen: 46.091 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

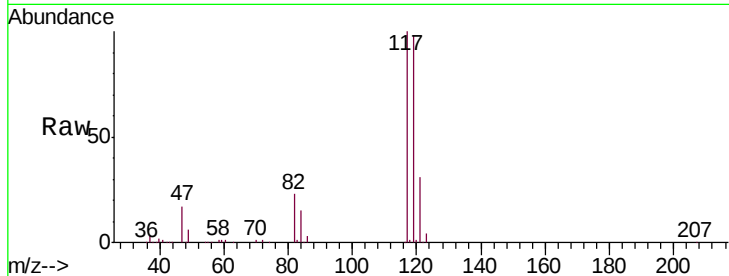
VSTD05052

Tgt Ion:117 Resp: 224704

Ion Ratio Lower Upper

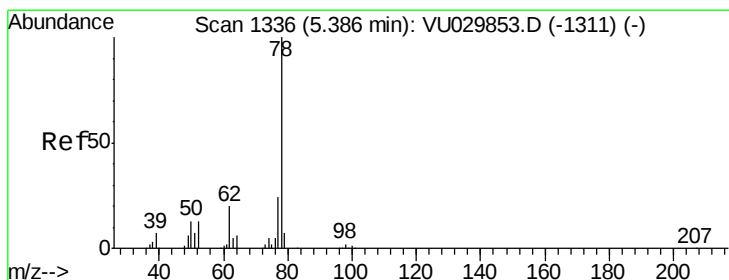
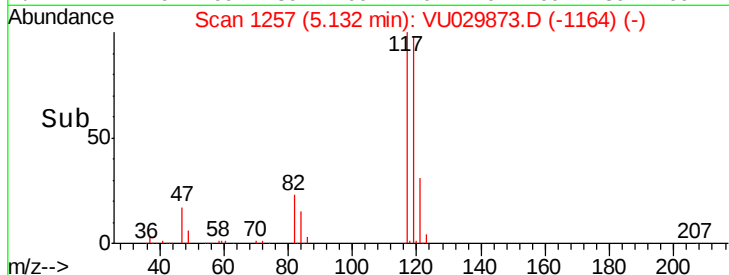
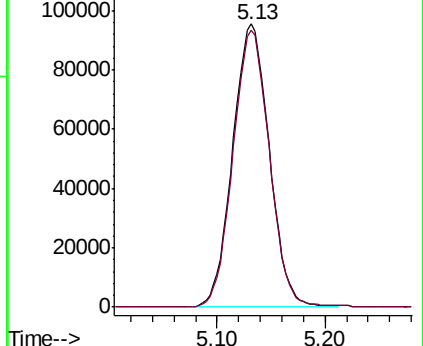
117 100

119 97.4 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.042 ug/L

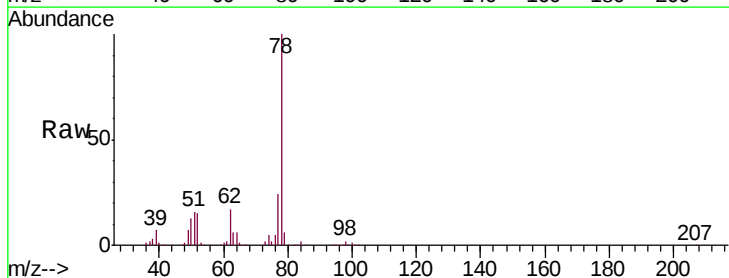
RT: 5.39 min Scan# 1336

Delta R.T. -0.00 min

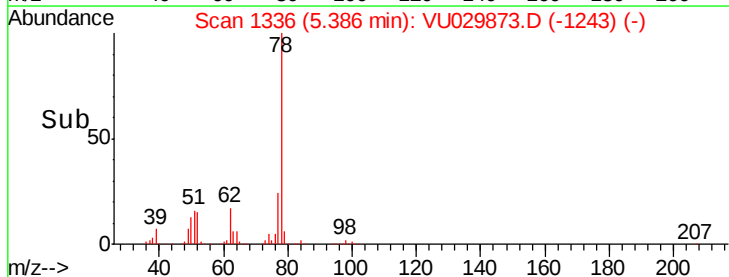
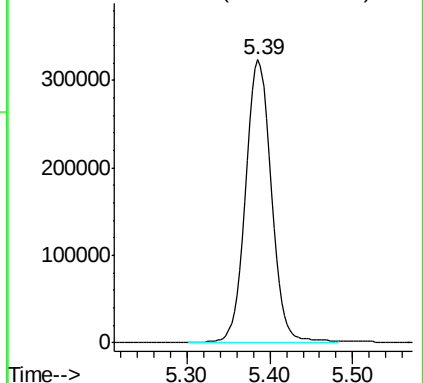
Lab File: VU029873.D

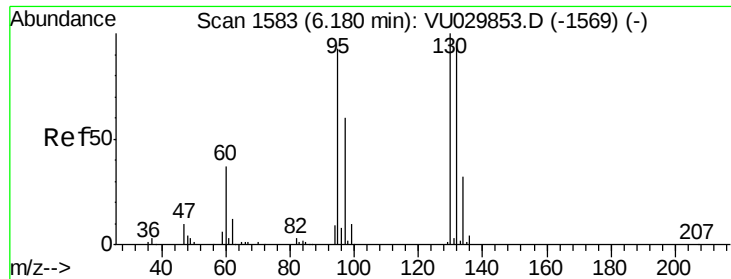
Acq: 08 Mar 2019 00:04

Tgt Ion: 78 Resp: 703877



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 52.044 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

Tgt Ion: 95 Resp: 182605

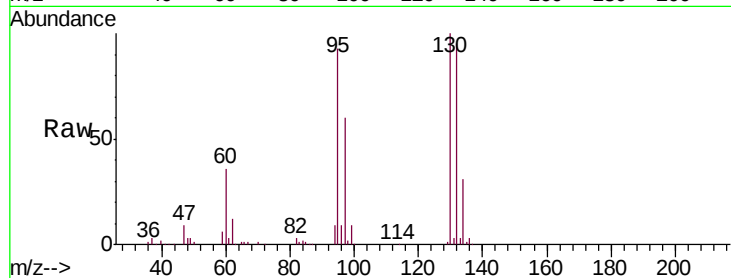
Ion Ratio Lower Upper

95 100

97 64.1 44.6 82.8

132 102.0 74.6 138.6

130 107.1 77.2 143.4

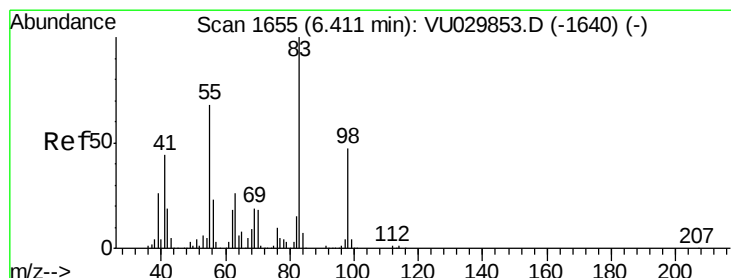
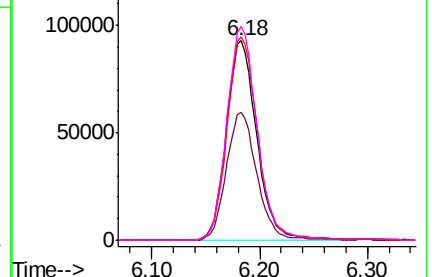
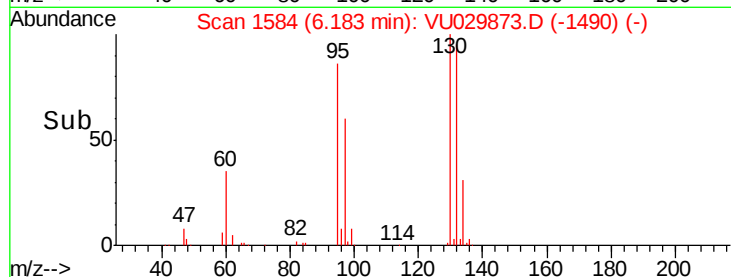


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 48.472 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

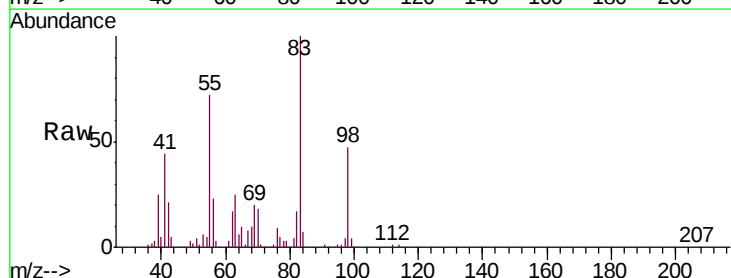
Tgt Ion: 83 Resp: 282442

Ion Ratio Lower Upper

83 100

55 70.6 55.2 82.8

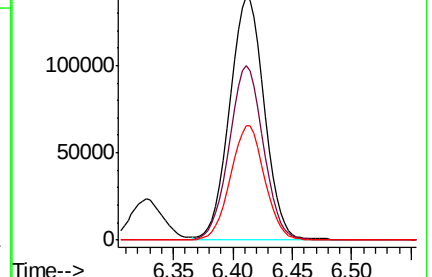
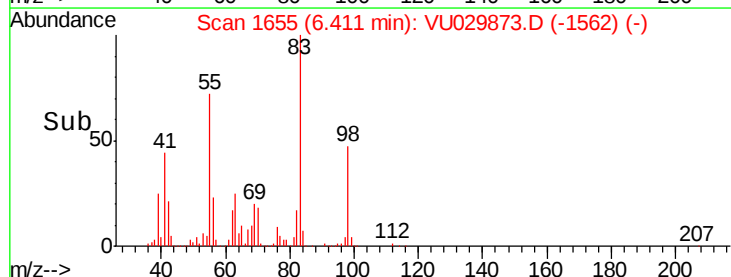
98 46.2 39.4 59.2

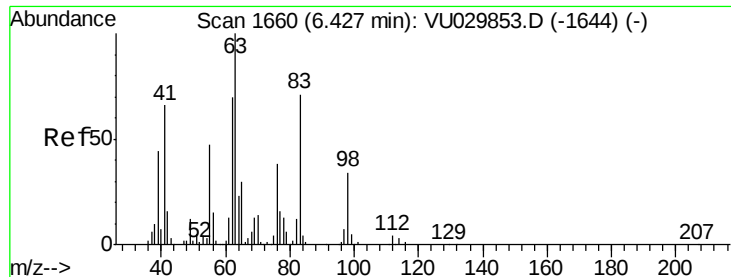


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 53.658 ug/L

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

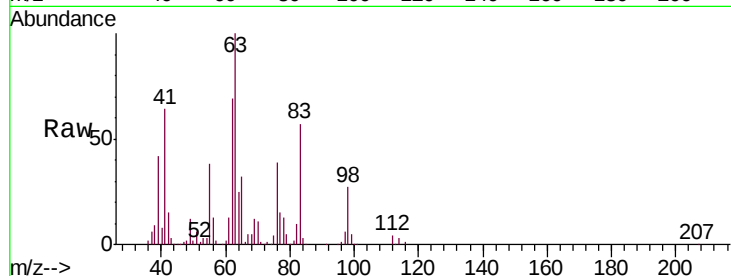
VSTD05052

Tgt Ion: 63 Resp: 183458

Ion Ratio Lower Upper

63 100

112 4.1 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

6.43

100000

80000

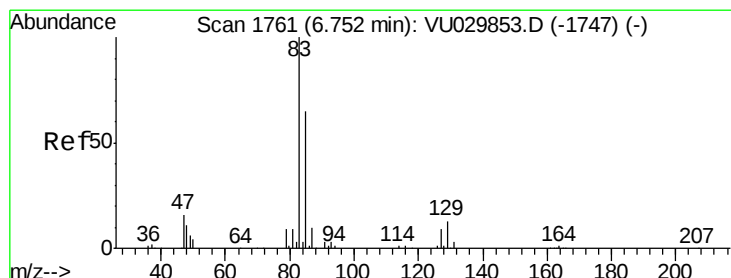
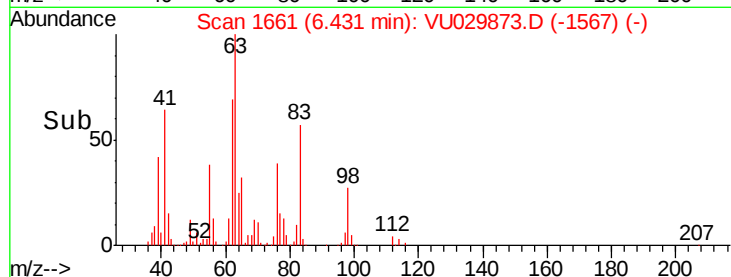
60000

40000

20000

0

Time-->



#38

Bromodichloromethane

Concen: 49.682 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

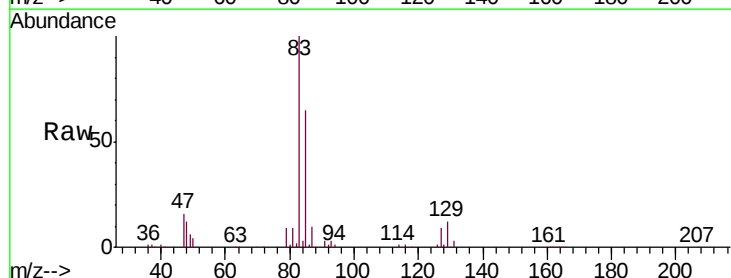
Tgt Ion: 83 Resp: 228997

Ion Ratio Lower Upper

83 100

85 65.3 44.2 82.0

127 9.3 8.3 12.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V

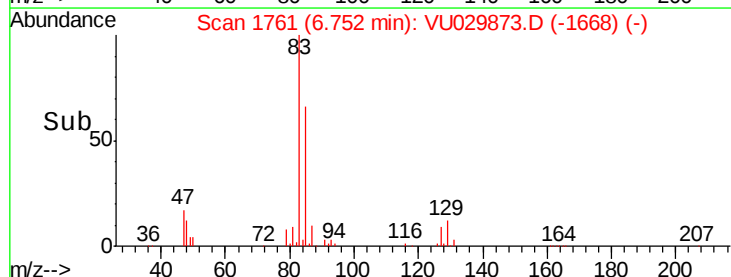
150000

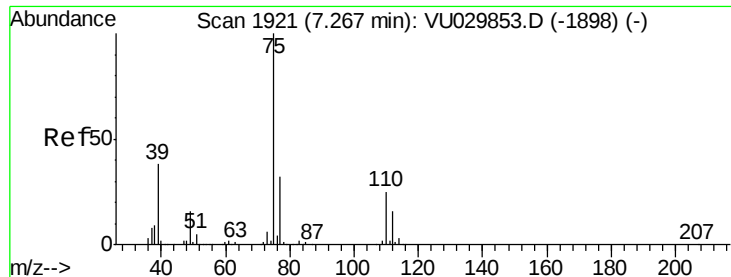
100000

50000

0

Time-->

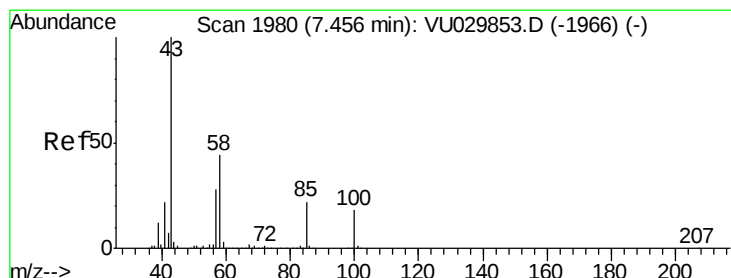
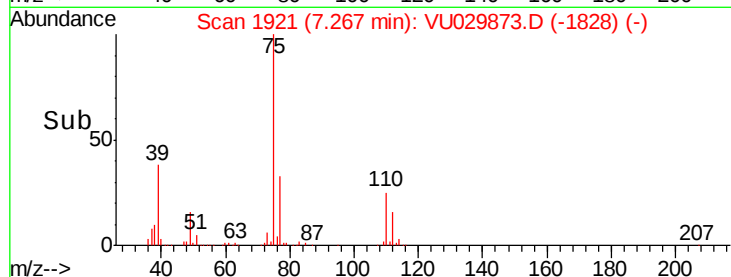
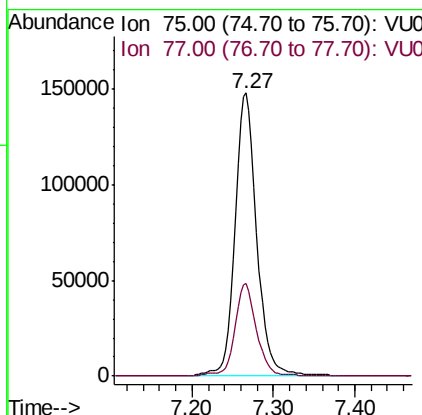
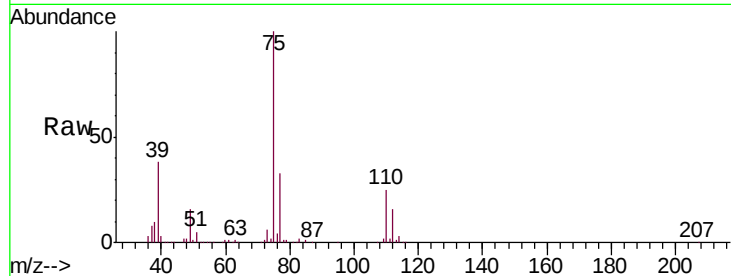




#39
 cis-1,3-Dichloropropene
 Concen: 50.143 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

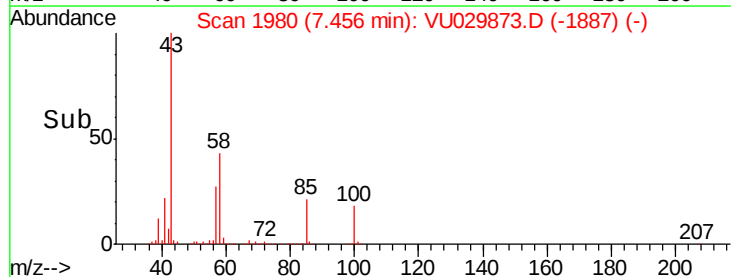
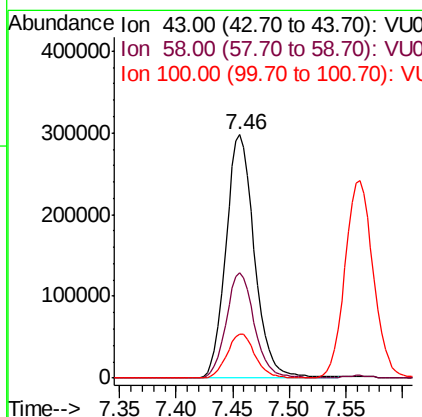
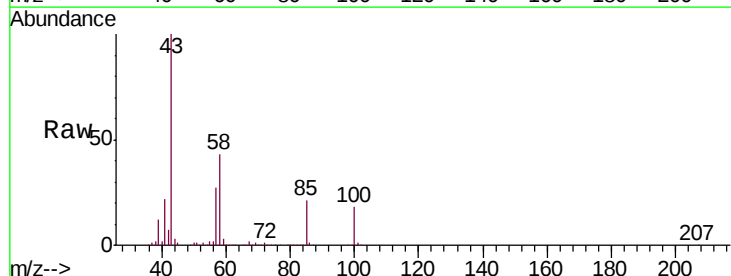
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

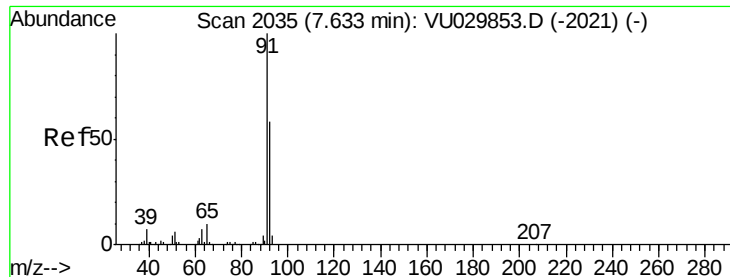
Tgt Ion: 75 Resp: 276599
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 108.829 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

Tgt Ion: 43 Resp: 523232
 Ion Ratio Lower Upper
 43 100
 58 42.7 33.0 49.4
 100 18.0 14.5 21.7





#42

Toluene

Concen: 49.865 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

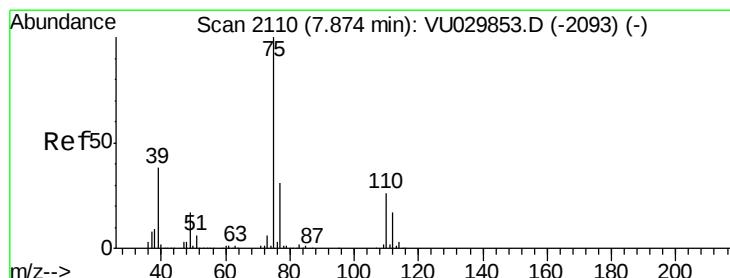
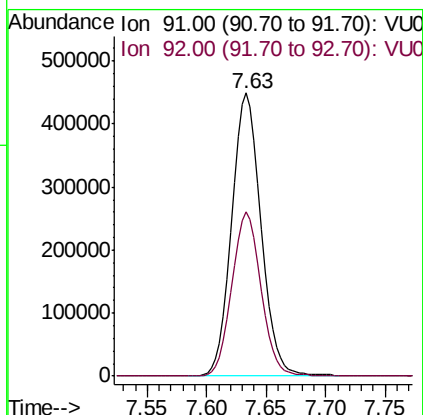
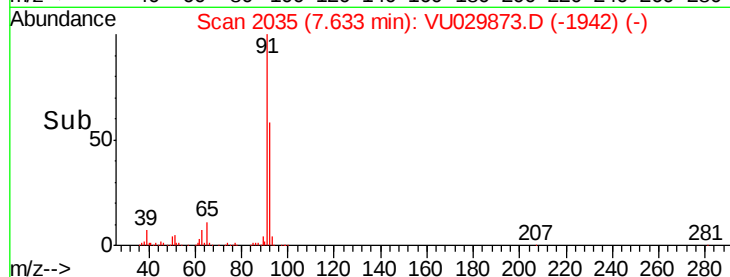
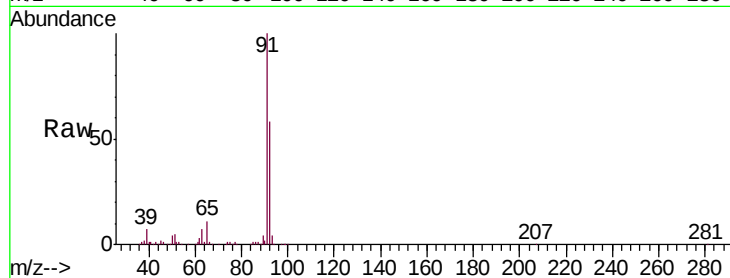
VSTD05052

Tgt Ion: 91 Resp: 768055

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 48.274 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029873.D

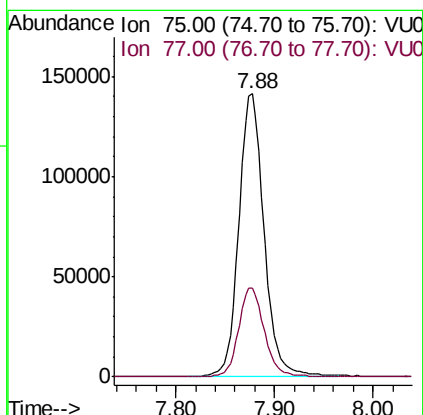
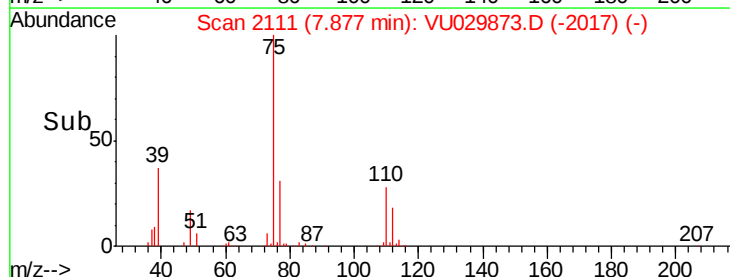
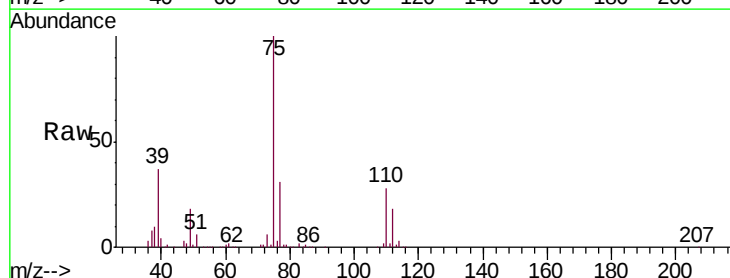
Acq: 08 Mar 2019 00:04

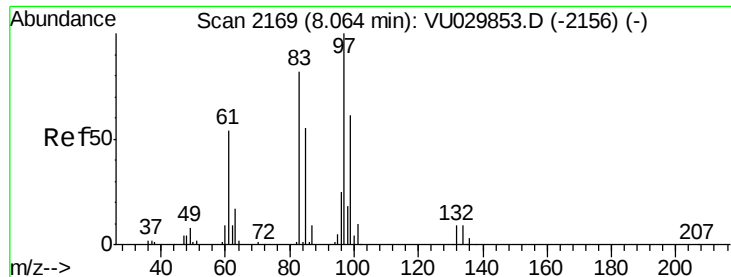
Tgt Ion: 75 Resp: 250962

Ion Ratio Lower Upper

75 100

77 31.2 22.1 41.1

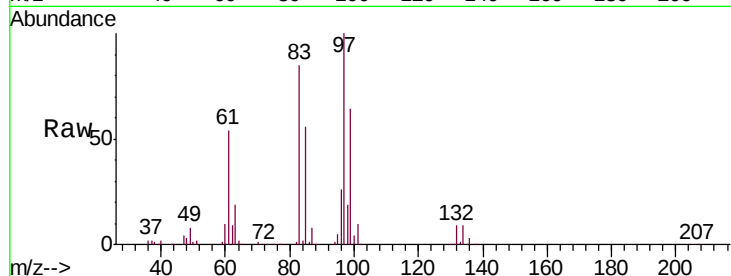




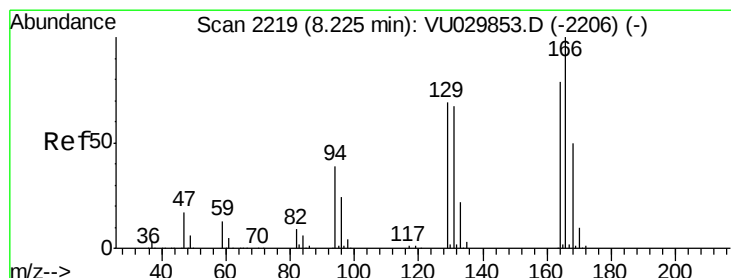
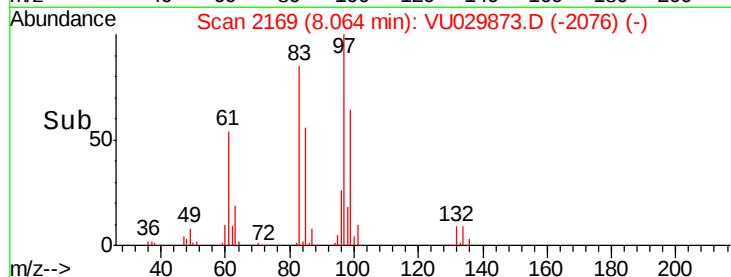
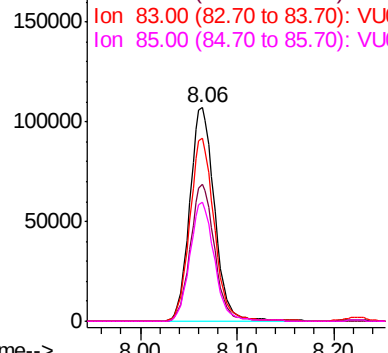
#45
 1,1,2-Trichloroethane
 Concen: 52.197 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion:	97	Resp:	190216
Ion	Ratio	Lower	Upper
97	100		
99	64.3	43.8	81.3
83	85.5	57.7	107.1
85	55.7	38.5	71.5

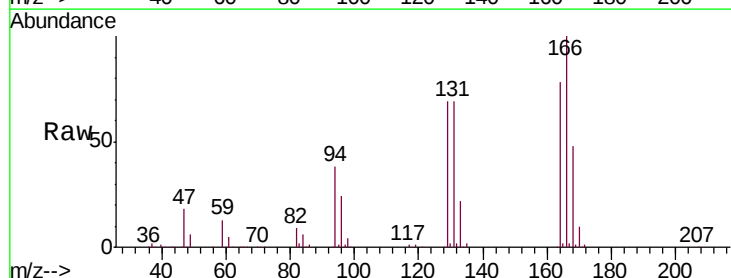


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

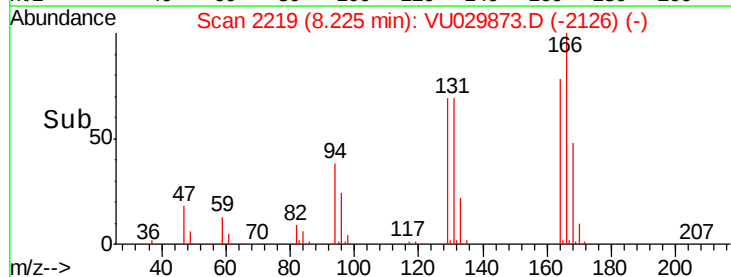
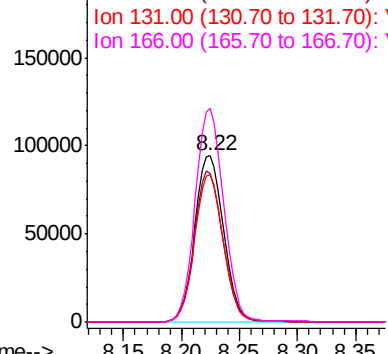


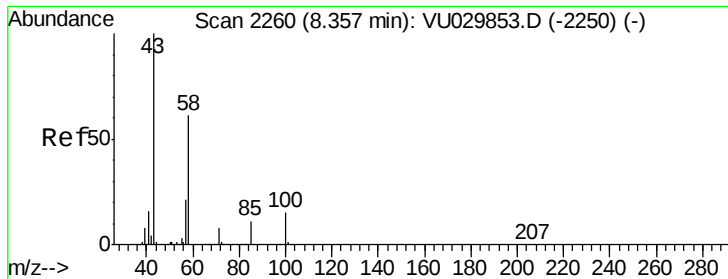
#46
 Tetrachloroethene
 Concen: 47.291 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

Tgt Ion:	164	Resp:	162408
Ion	Ratio	Lower	Upper
164	100		
129	89.2	62.1	115.3
131	88.7	60.1	111.5
166	128.5	89.7	166.5



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

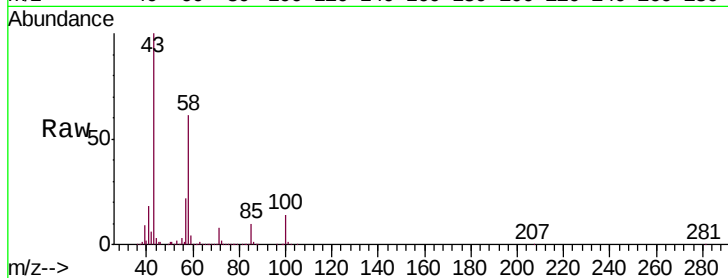




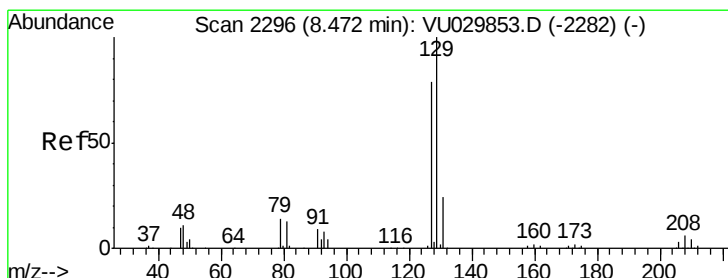
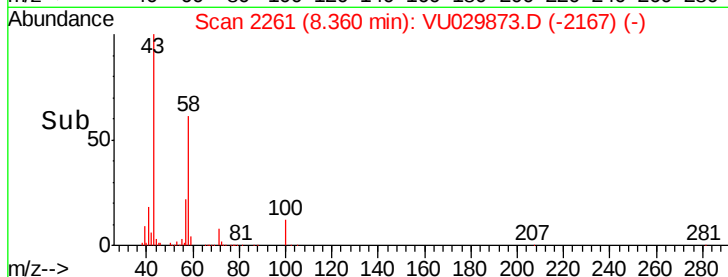
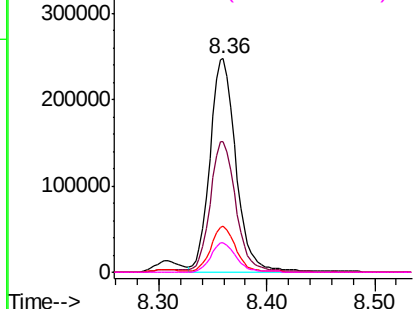
#48
2-Hexanone
Concen: 98.624 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU029873.D
Acq: 08 Mar 2019 00:04

Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

Tgt Ion: 43 Resp: 414222
Ion Ratio Lower Upper
43 100
58 60.7 46.4 69.6
57 21.0 15.7 23.5
100 13.7 10.9 16.3

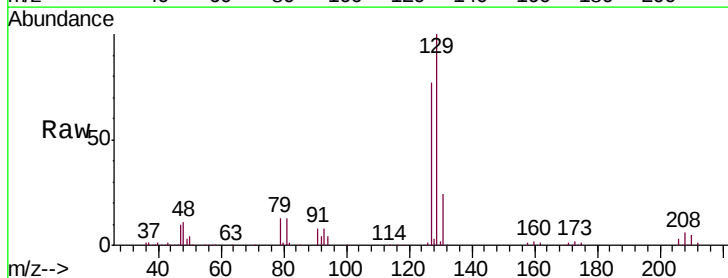


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

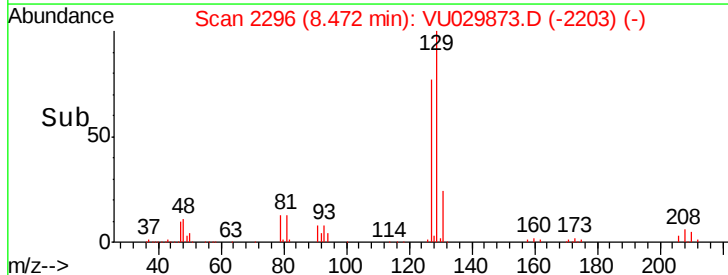
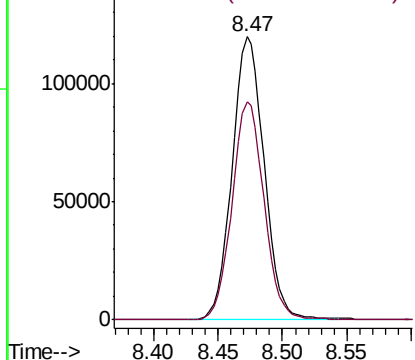


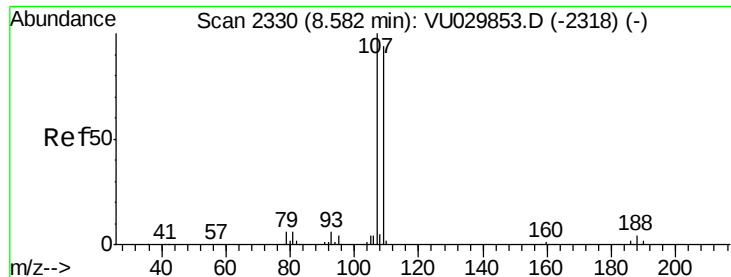
#49
Dibromochloromethane
Concen: 46.771 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU029873.D
Acq: 08 Mar 2019 00:04

Tgt Ion: 129 Resp: 206629
Ion Ratio Lower Upper
129 100
127 77.1 54.4 101.0



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

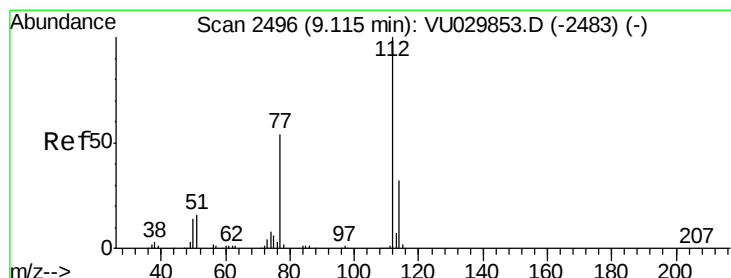
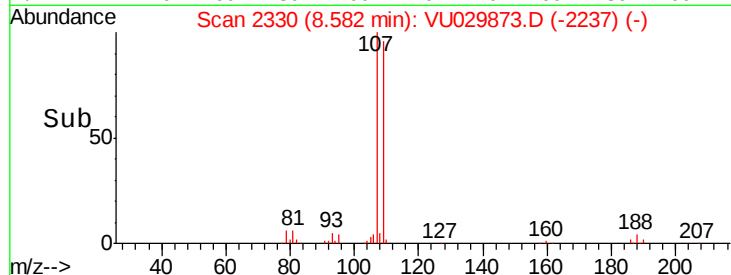
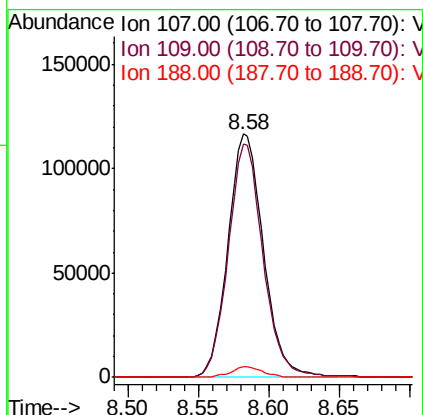
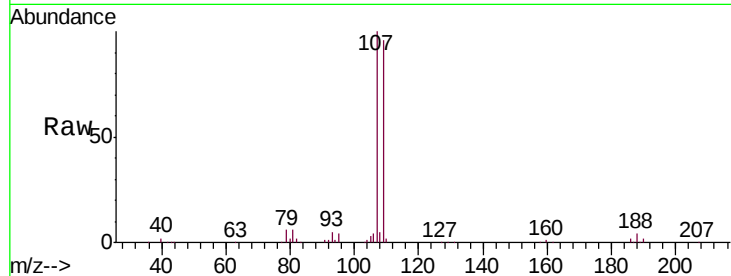




#50
1,2-Dibromoethane
Concen: 50.814 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU029873.D
Acq: 08 Mar 2019 00:04

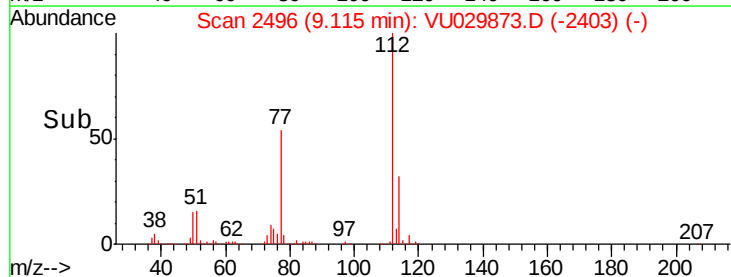
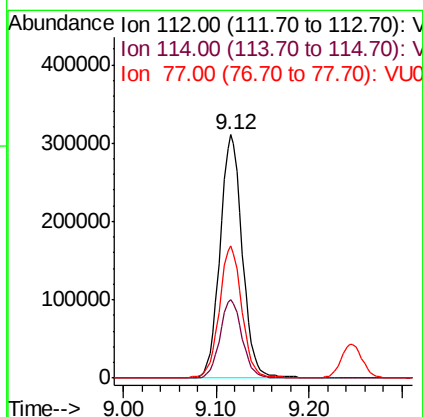
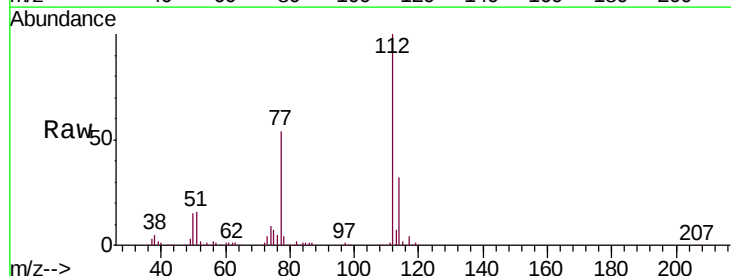
Instrument :
MSVOA_U
ClientSampleId :
VSTD05052

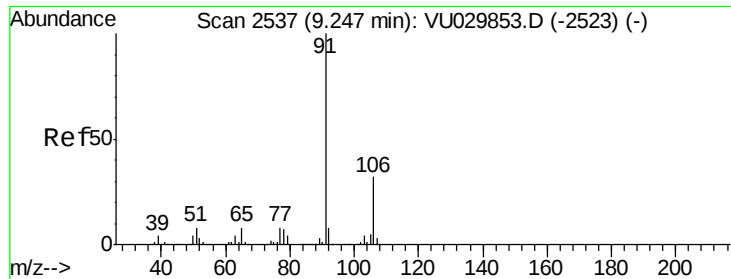
Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.0	66.4	123.4
188	4.2	3.5	5.3



#51
Chlorobenzene
Concen: 48.863 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029873.D
Acq: 08 Mar 2019 00:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	54.1	42.1	63.1





#52

Ethylbenzene

Concen: 48.823 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

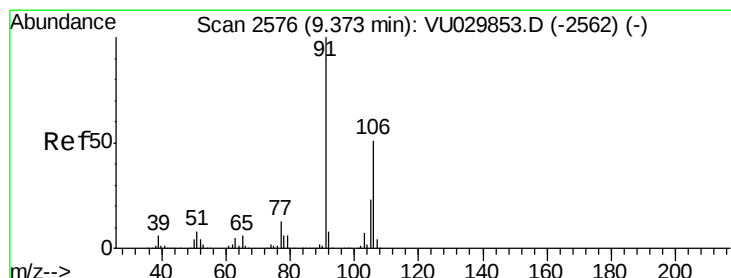
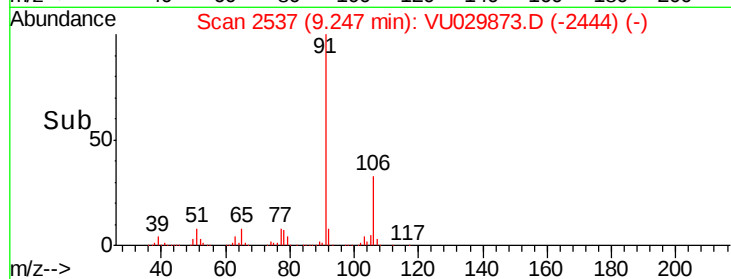
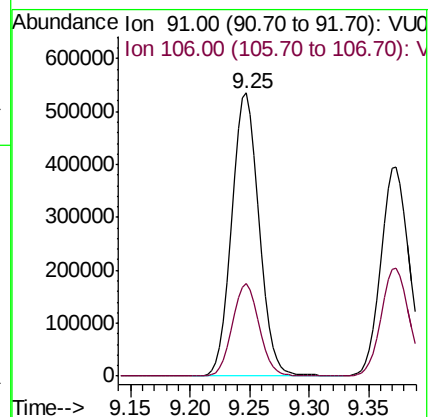
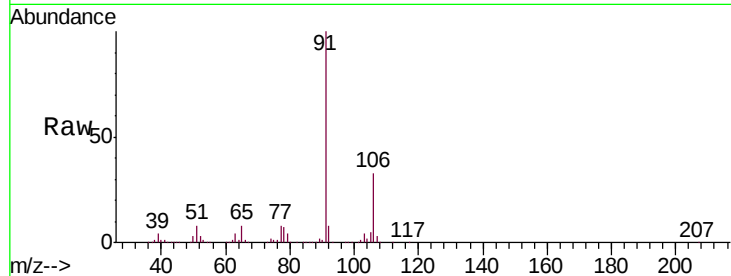
VSTD05052

Tgt Ion: 91 Resp: 854076

Ion Ratio Lower Upper

91 100

106 32.6 22.7 42.1



#53

m,p-Xylene

Concen: 47.681 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU029873.D

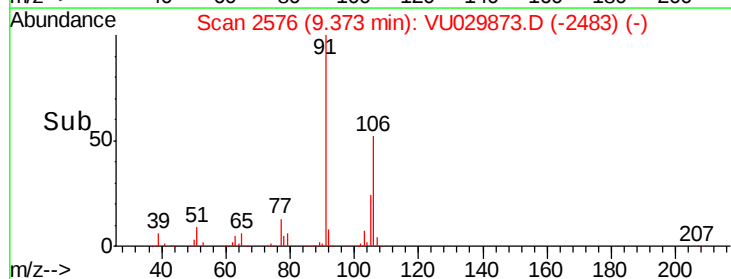
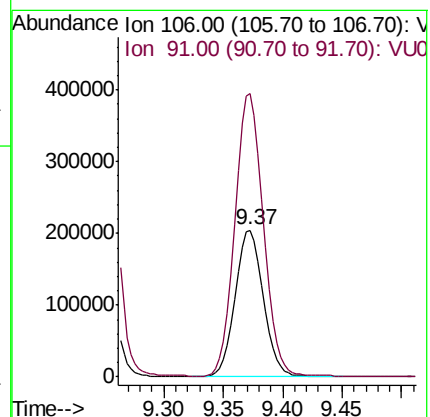
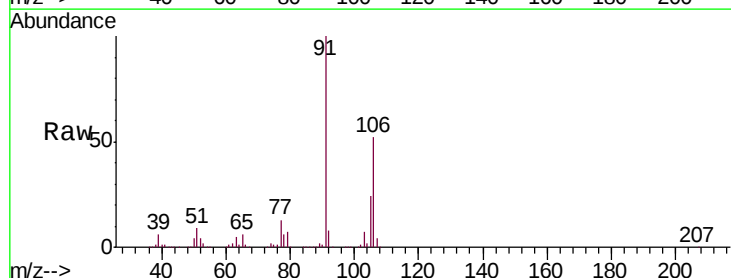
Acq: 08 Mar 2019 00:04

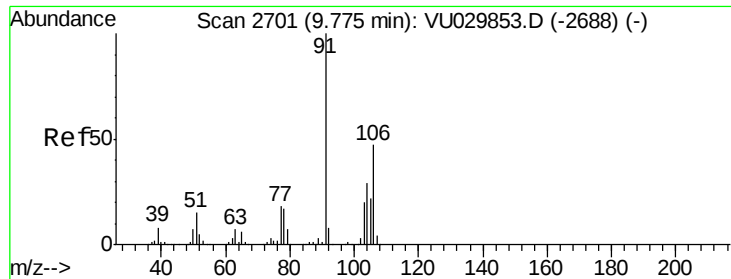
Tgt Ion: 106 Resp: 334821

Ion Ratio Lower Upper

106 100

91 193.3 135.3 251.3





#54

o-xylene

Concen: 47.050 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

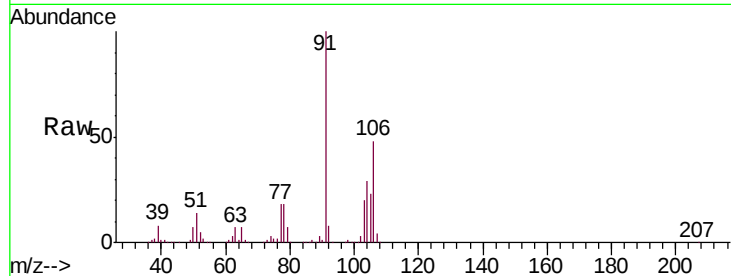
VSTD05052

Tgt Ion:106 Resp: 331869

Ion Ratio Lower Upper

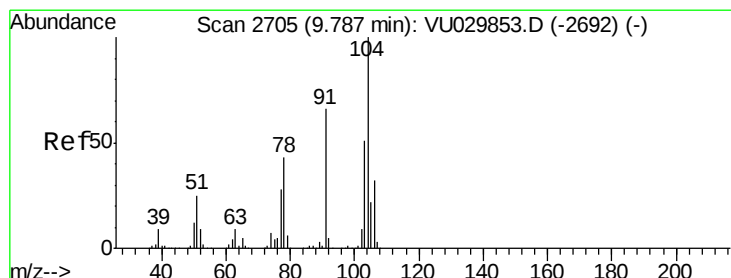
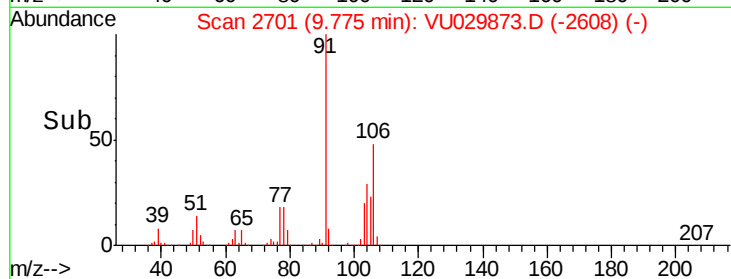
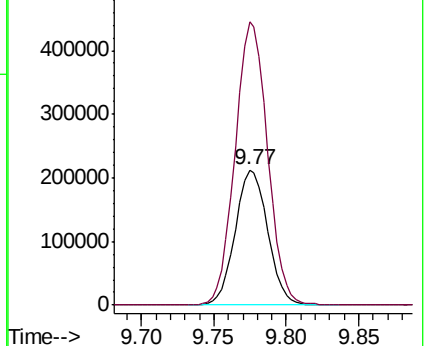
106 100

91 209.4 144.5 268.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 47.621 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU029873.D

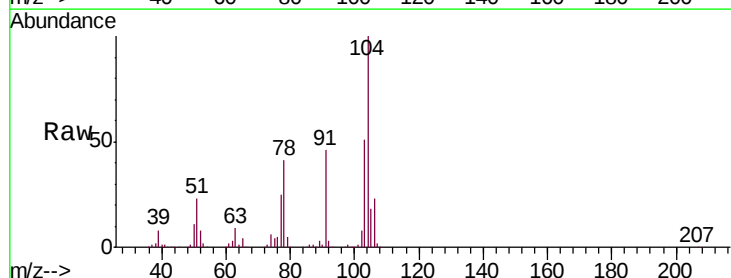
Acq: 08 Mar 2019 00:04

Tgt Ion:104 Resp: 567033

Ion Ratio Lower Upper

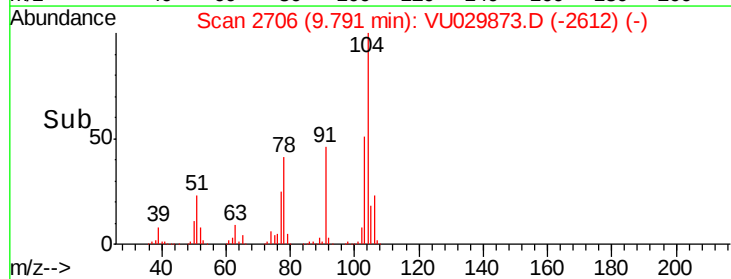
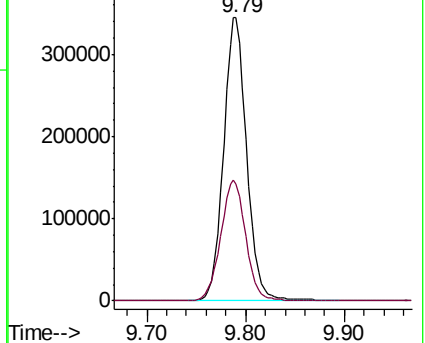
104 100

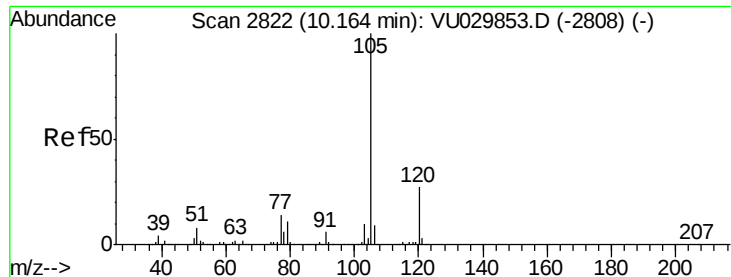
78 41.4 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 46.977 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

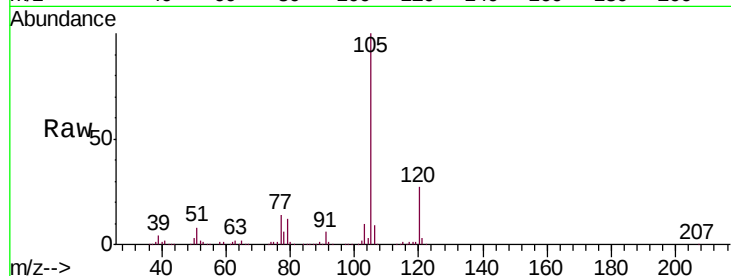
Tgt Ion: 105 Resp: 867066

Ion Ratio Lower Upper

105 100

120 27.0 21.9 32.9

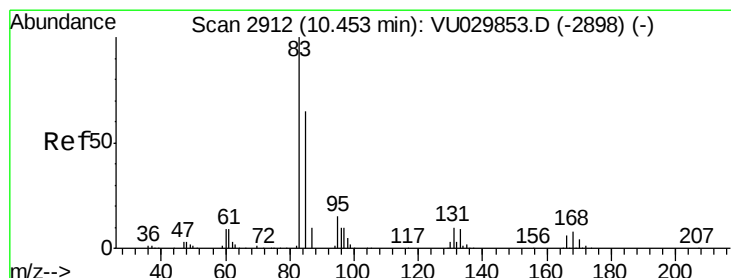
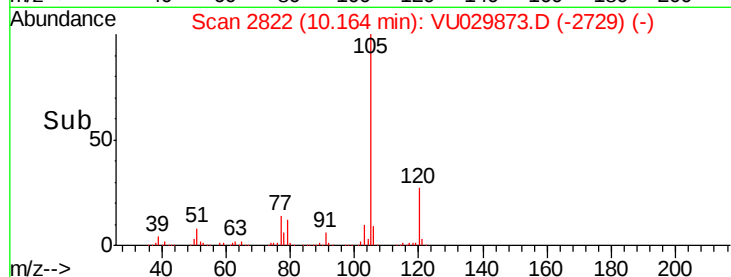
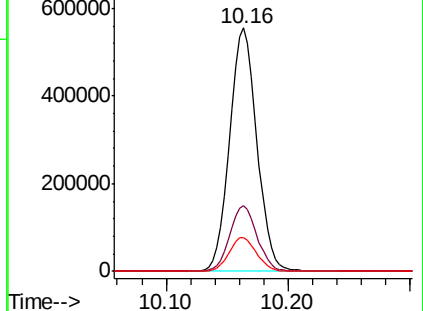
77 14.2 11.7 17.5



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: 50.676 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

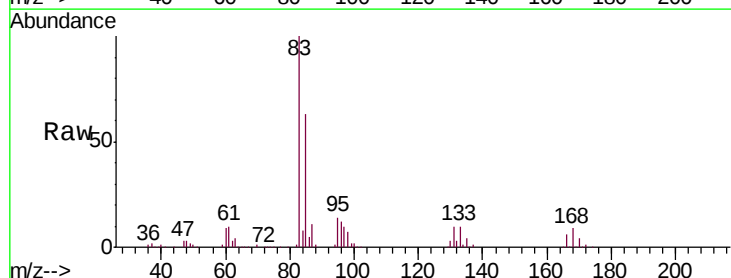
Tgt Ion: 83 Resp: 326562

Ion Ratio Lower Upper

83 100

85 63.4 45.5 84.5

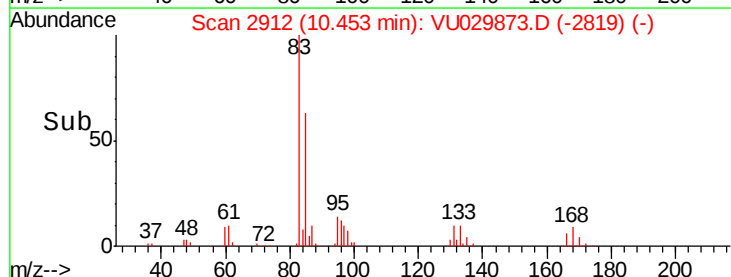
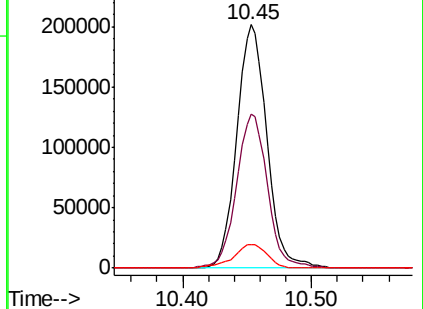
131 9.9 8.6 12.8

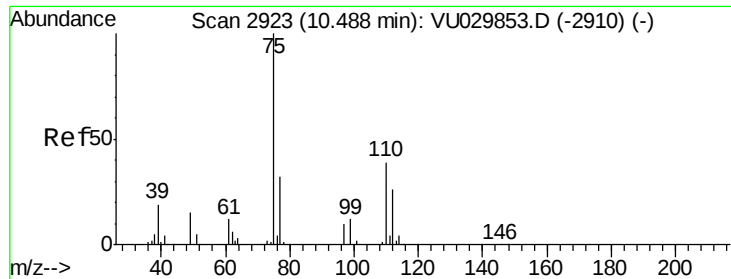


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

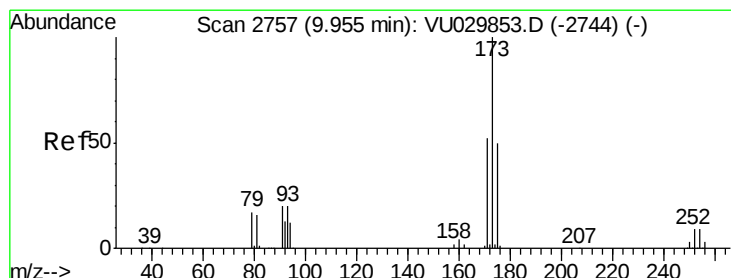
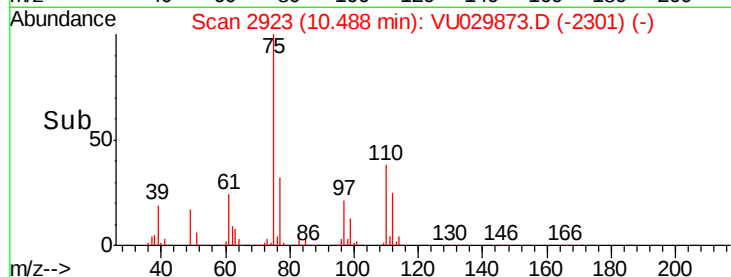
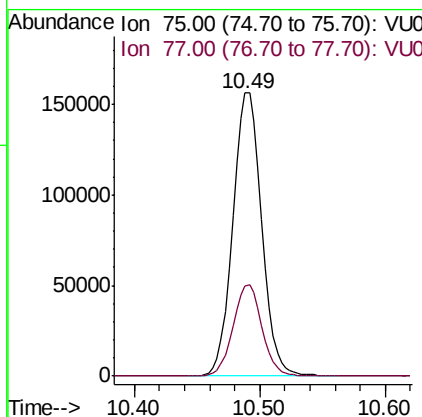
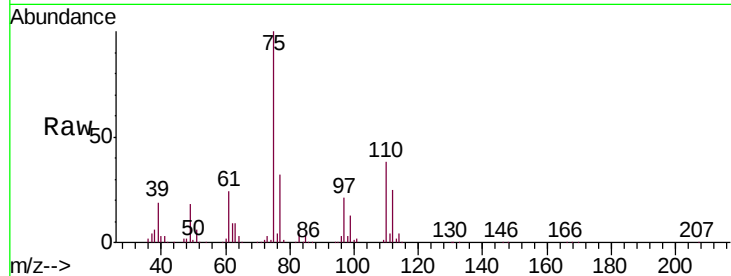




#59
 1,2,3-Trichloropropane
 Concen: 51.166 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

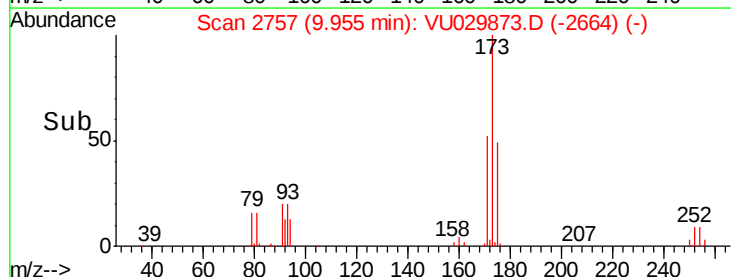
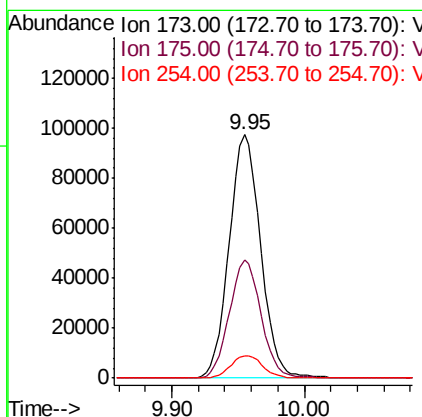
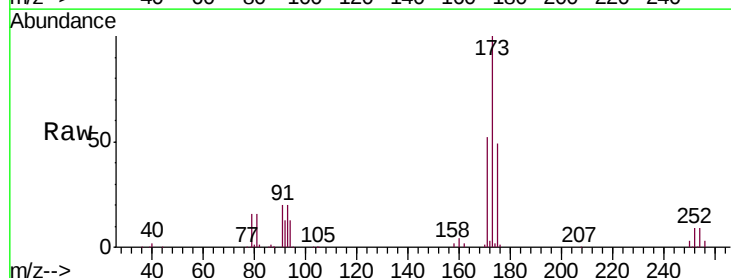
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

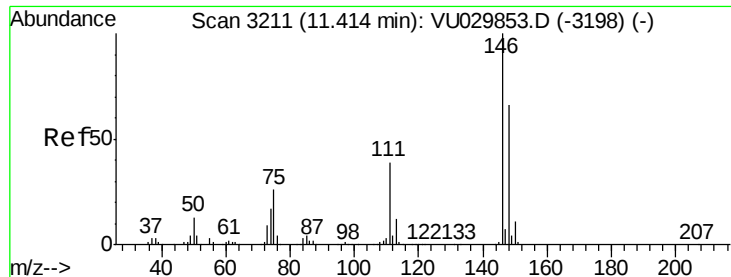
Tgt Ion: 75 Resp: 249425
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5



#61
 Bromoform
 Concen: 44.739 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

Tgt Ion: 173 Resp: 161380
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.0 58.4
 254 9.4 8.1 12.1





#62

1,3-Dichlorobenzene

Concen: 49.049 ug/L

RT: 11.41 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

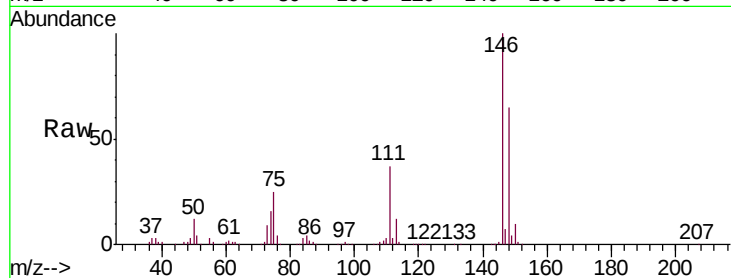
Tgt Ion:146 Resp: 418887

Ion Ratio Lower Upper

146 100

111 36.9 26.7 49.5

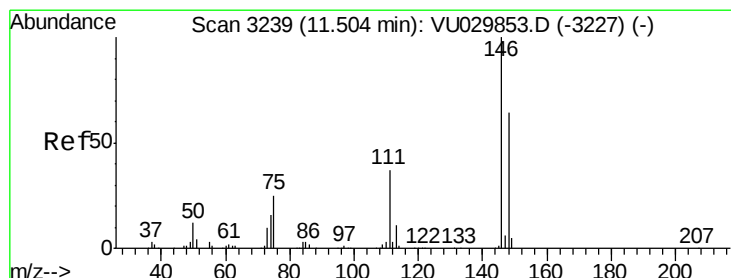
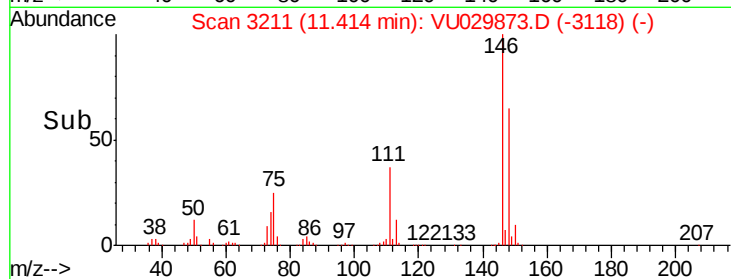
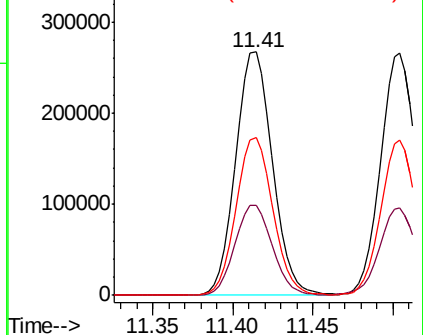
148 64.6 45.9 85.3



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: 49.250 ug/L

RT: 11.50 min Scan# 3239

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

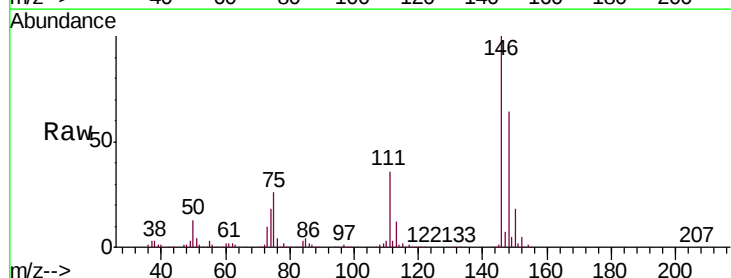
Tgt Ion:146 Resp: 423272

Ion Ratio Lower Upper

146 100

111 36.0 25.1 46.5

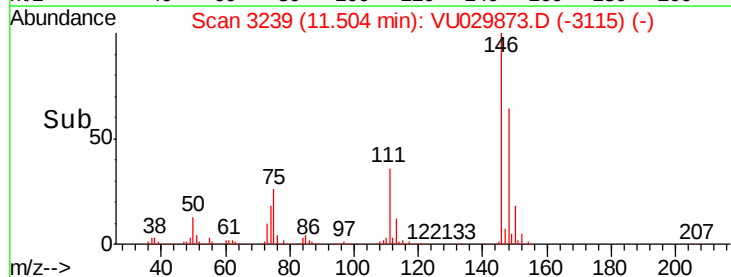
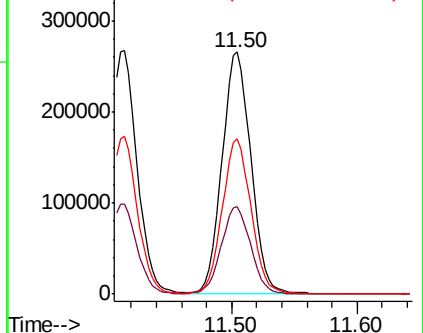
148 64.1 45.0 83.6

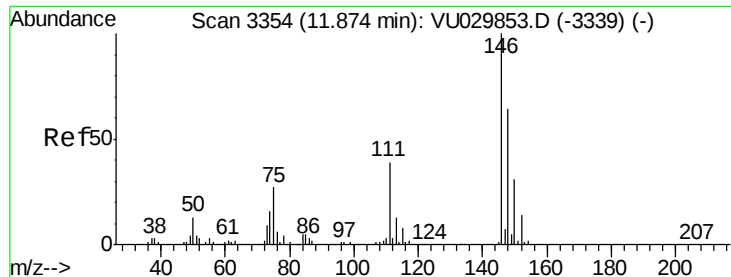


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

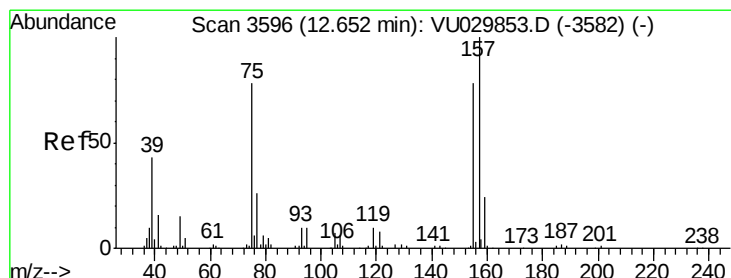
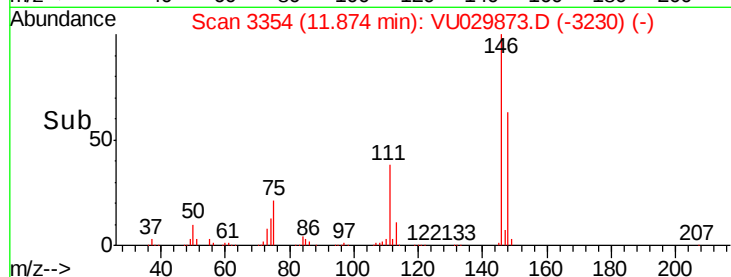
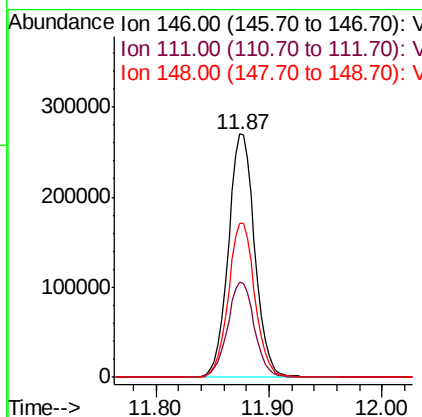
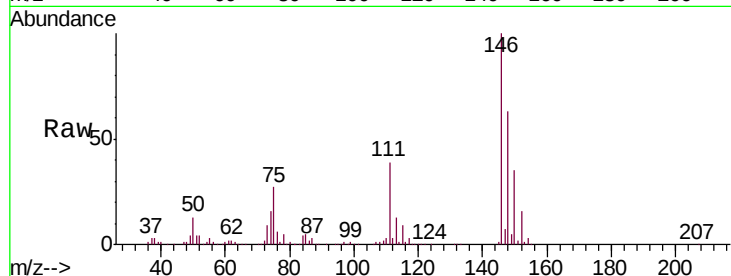




#65
 1,2-Dichlorobenzene
 Concen: 48.943 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

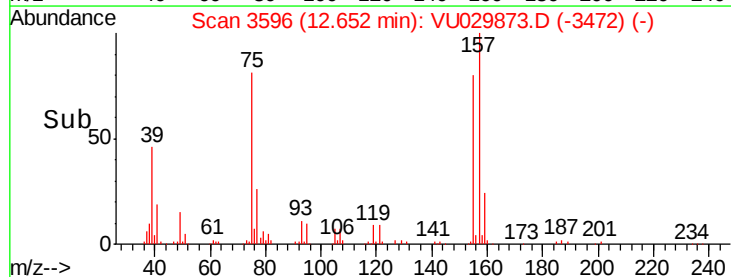
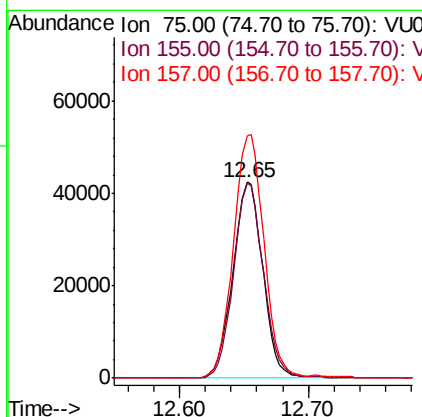
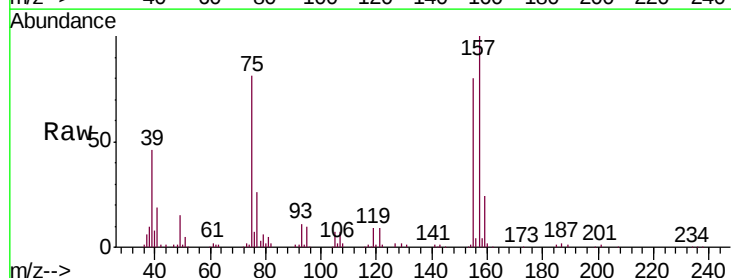
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

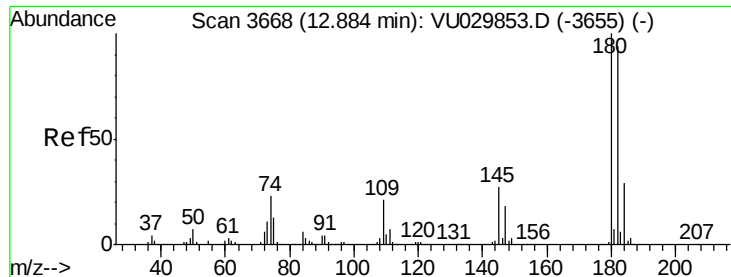
Tgt Ion: 146 Resp: 436316
 Ion Ratio Lower Upper
 146 100
 111 39.1 31.2 46.8
 148 63.3 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.486 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

Tgt Ion: 75 Resp: 68651
 Ion Ratio Lower Upper
 75 100
 155 99.4 79.5 119.3
 157 123.8 103.4 155.0

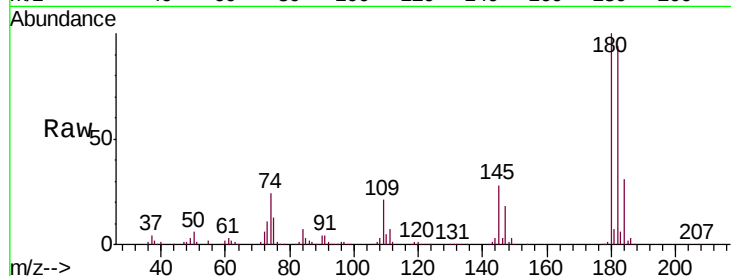




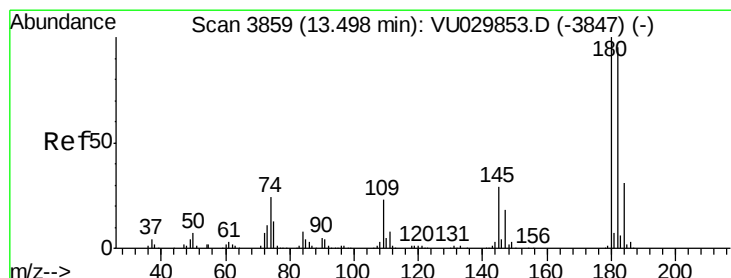
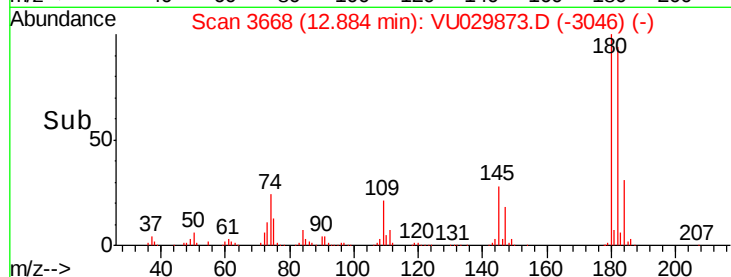
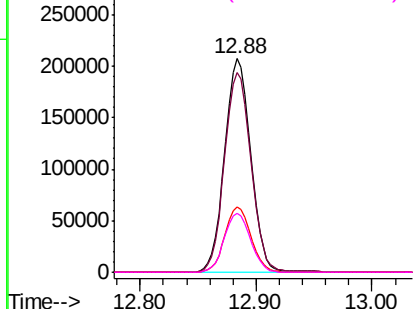
#67
 1,3,5-Trichlorobenzene
 Concen: 49.436 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Tgt Ion:	180	Resp:	322177
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.9	116.9
184	30.5	24.5	36.7
145	27.7	22.4	33.6

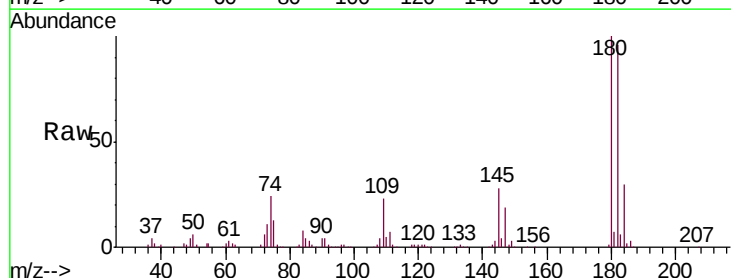


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

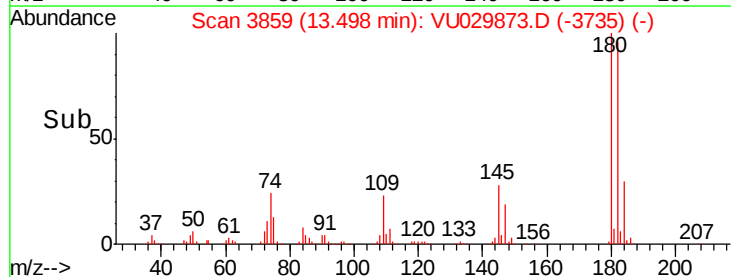
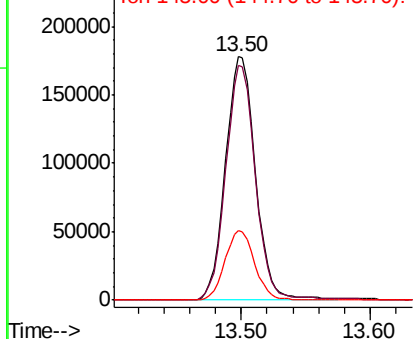


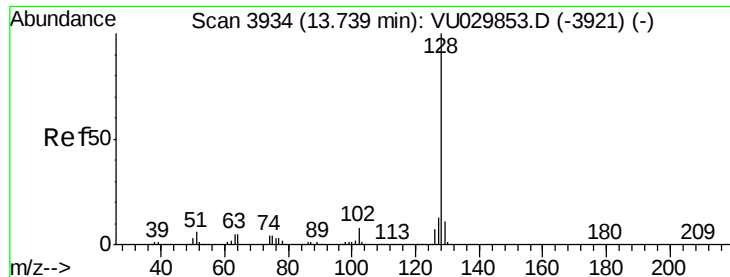
#68
 1,2,4-trichlorobenzene
 Concen: 50.812 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU029873.D
 Acq: 08 Mar 2019 00:04

Tgt Ion:	180	Resp:	286414
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
145	28.5	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: 53.836 ug/L

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

Instrument :

MSVOA_U

ClientSampleId :

VSTD05052

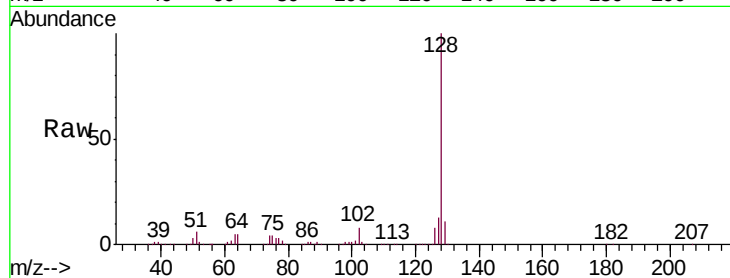
Tgt Ion:128 Resp: 932744

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

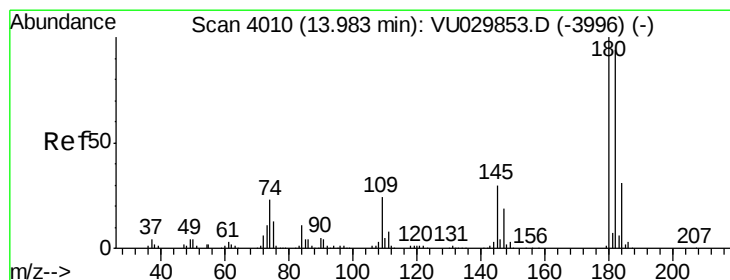
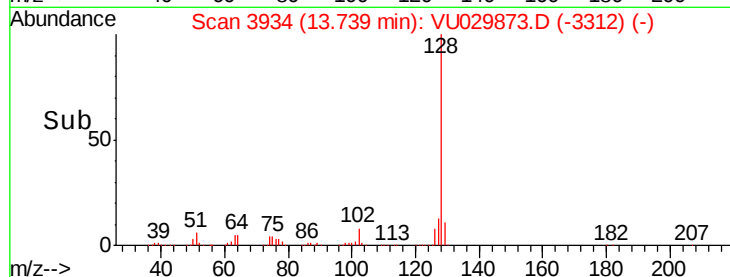
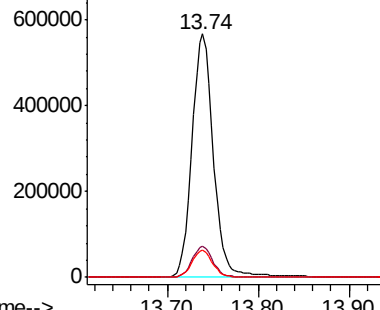
129 10.7 8.5 12.7



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: 50.548 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029873.D

Acq: 08 Mar 2019 00:04

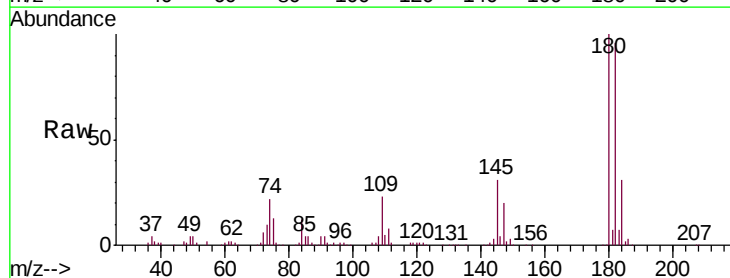
Tgt Ion:180 Resp: 302572

Ion Ratio Lower Upper

180 100

182 93.9 76.8 115.2

145 30.6 24.4 36.6



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

