

Data File : VU032290.D
Acq On : 24 May 2019 05:07
Operator : JC/SP
Sample : VSTD10055
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD10055

Quant Time: May 24 05:30:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052419WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 05:08:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	686378	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	677874	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	336534	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	338322	78.55	ug/L	0.00
7) Chloroethane-d5	1.66	69	329821	86.14	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	682871	82.57	ug/L	0.00
21) 2-Butanone-d5	4.17	46	725144	249.14	ug/L	0.00
24) Chloroform-d	4.64	84	881313	98.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.30	65	554926	104.25	ug/L	0.00
32) Benzene-d6	5.33	84	1758216	100.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.32	67	555871	107.37	ug/L	0.00
41) Toluene-d8	7.56	98	1620161	97.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	268294	106.34	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	543131	237.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	940937	111.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.85	152	688189	97.77	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	399600	74.297 ug/L	98
3) Chloromethane	1.32	50	486753	98.532 ug/L	98
5) Vinyl chloride	1.40	62	467366	86.642 ug/L	100
6) Bromomethane	1.60	94	361250	94.918 ug/L	100
8) Chloroethane	1.68	64	304872	91.544 ug/L	98
9) Trichlorofluoromethane	1.87	101	584439	78.045 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	348741	78.206 ug/L	98
12) 1,1-Dichloroethene	2.28	96	385820	85.488 ug/L	88
13) Acetone	2.32	43	494924	178.585 ug/L	99
14) Carbon disulfide	2.47	76	1108899	84.067 ug/L	100
15) Methyl Acetate	2.61	43	519534	121.041 ug/L	99
16) Methylene chloride	2.69	84	540478	100.007 ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	444004	93.790 ug/L	98
18) Methyl tert-butyl Ether	2.99	73	1597313	112.476 ug/L	100
19) 1,1-Dichloroethane	3.44	63	810335	98.892 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	547042	100.677 ug/L	96
22) 2-Butanone	4.25	43	783751	241.296 ug/L	100
23) Bromochloromethane	4.54	128	300213	102.401 ug/L	95
25) Chloroform	4.67	83	897242	99.868 ug/L	98
27) 1,2-Dichloroethane	5.40	62	707055	105.625 ug/L	98
29) Cyclohexane	4.99	56	551970	90.391 ug/L	97
30) 1,1,1-Trichloroethane	4.91	97	663566	92.673 ug/L	100
31) Carbon tetrachloride	5.13	117	542507	87.231 ug/L	99
33) Benzene	5.38	78	1925927	101.082 ug/L	100
34) Trichloroethene	6.18	95	466402	92.522 ug/L	97
35) Methylcyclohexane	6.41	83	602636	82.175 ug/L	98
37) 1,2-Dichloropropane	6.43	63	506156	107.228 ug/L	100
38) Bromodichloromethane	6.75	83	692242	106.653 ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	788736	108.079 ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1495500	267.420 ug/L	99

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ClientSampleId :
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Quant Title : VOC Analysis
QLast Update : Fri May 24 05:08:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	2090806	100.296	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	703275	108.081	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	561662	109.516	ug/L	99
46) Tetrachloroethene	8.22	164	350843	86.281	ug/L	97
48) 2-Hexanone	8.36	43	1200852	252.440	ug/L	99
49) Dibromochloromethane	8.47	129	603606	110.420	ug/L	100
50) 1,2-Dibromoethane	8.58	107	607839	112.254	ug/L	99
51) Chlorobenzene	9.12	112	1357886	96.453	ug/L	99
52) Ethylbenzene	9.24	91	2166508	97.435	ug/L	100
53) m,p-Xylene	9.37	106	852287	97.713	ug/L	96
54) o-xylene	9.77	106	881740	101.796	ug/L	96
55) Styrene	9.79	104	1574592	105.577	ug/L	100
56) Isopropylbenzene	10.16	105	2106550	95.649	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	964243	111.713	ug/L	100
59) 1,2,3-Trichloropropane	10.49	75	763235	115.472	ug/L	100
61) Bromoform	9.95	173	488519	111.652	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	1050752	96.308	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	1070064	93.032	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	1134247	98.476	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	217760	118.196	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	770820	92.938	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	678146	104.665	ug/L	97
69) Naphthalene	13.74	128	2538328	126.757	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	752102	102.925	ug/L	99

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

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```
ALS Vial      : 43      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD10055

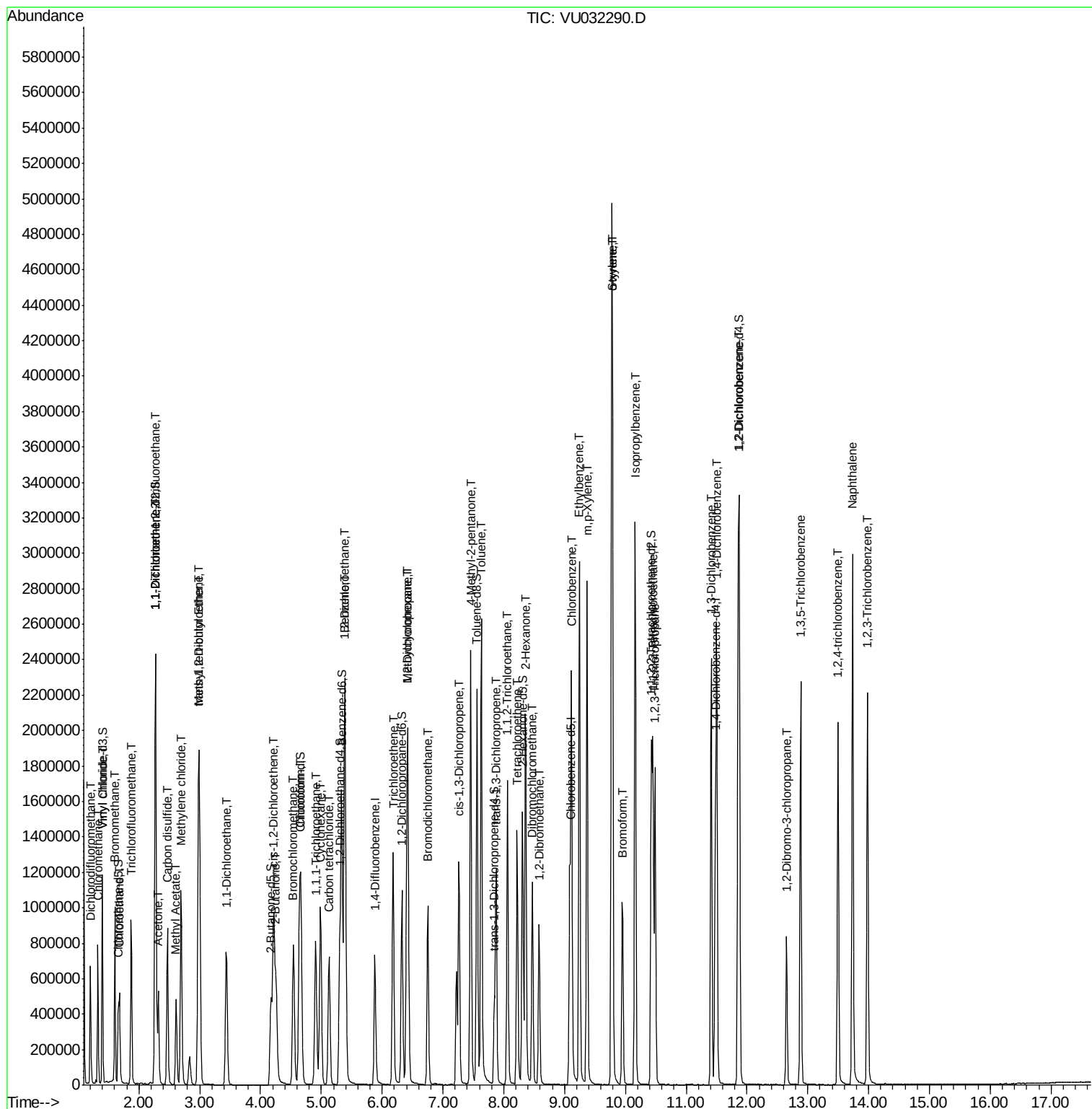
Quant Time: May 24 05:30:12 2019

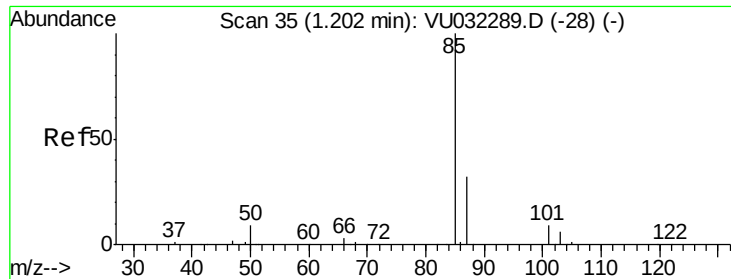
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM052419WMA.M

Quant Title : VOC Analysis

QLast Update : Fri May 24 05:08:26 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 74.297 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

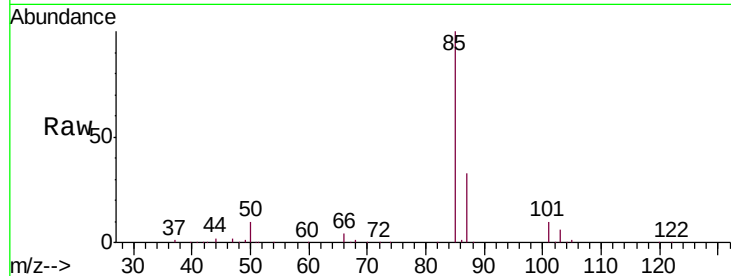
VSTD10055

Tgt Ion: 85 Resp: 399600

Ion Ratio Lower Upper

85 100

87 32.9 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VU032289.D (-28) (-)

Ion 87.00 (86.70 to 87.70): VU032289.D (-28) (-)

1.20

400000

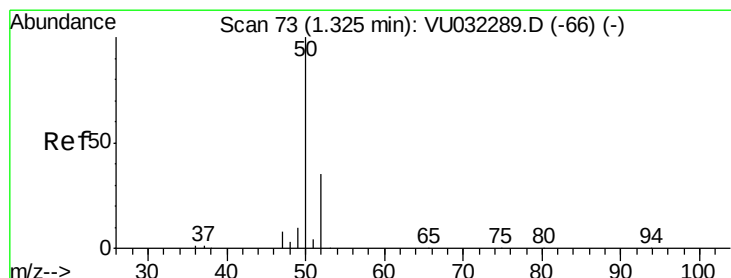
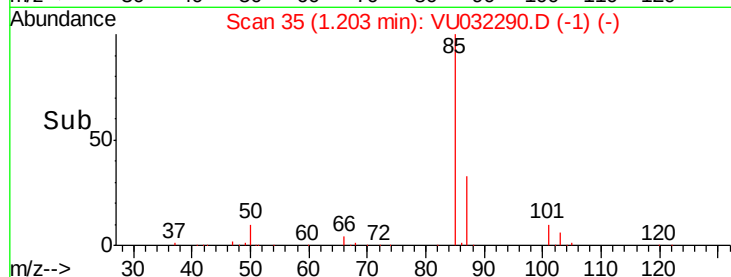
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 98.532 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032290.D

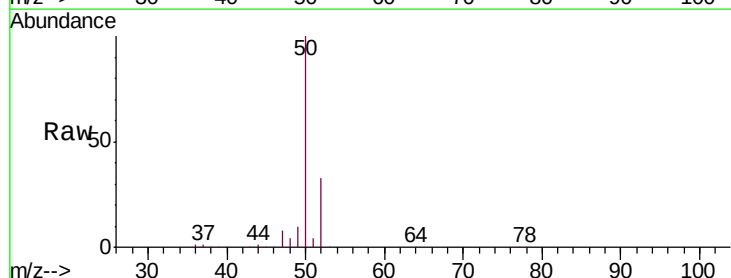
Acq: 24 May 2019 05:07

Tgt Ion: 50 Resp: 486753

Ion Ratio Lower Upper

50 100

52 33.4 24.2 45.0



Abundance Ion 50.00 (49.70 to 50.70): VU032289.D (-66) (-)

Ion 52.00 (51.70 to 52.70): VU032289.D (-66) (-)

1.32

500000

400000

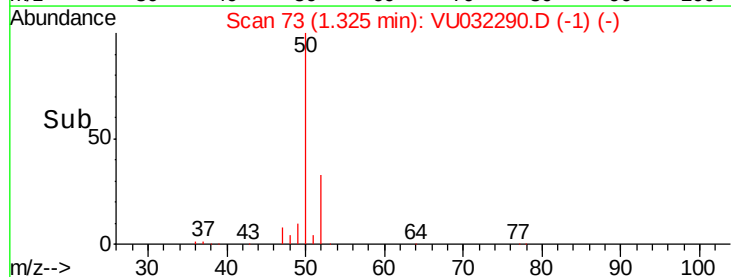
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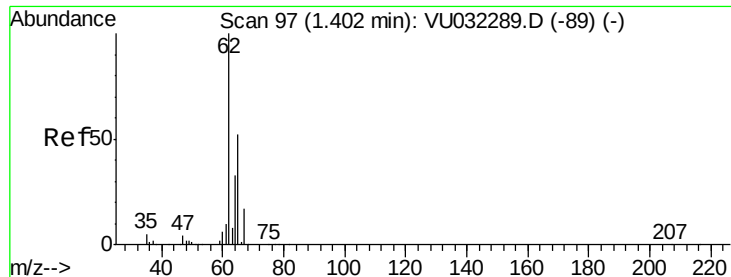
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 86.642 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

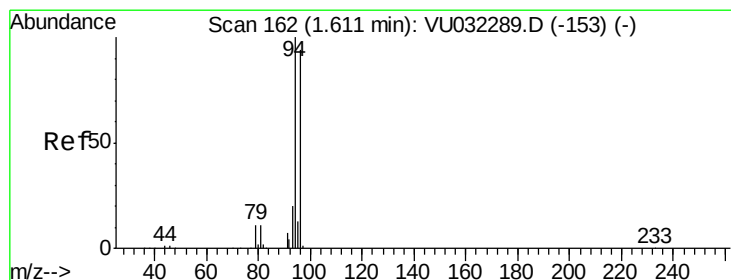
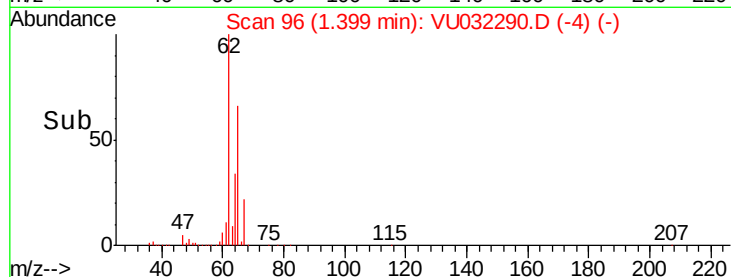
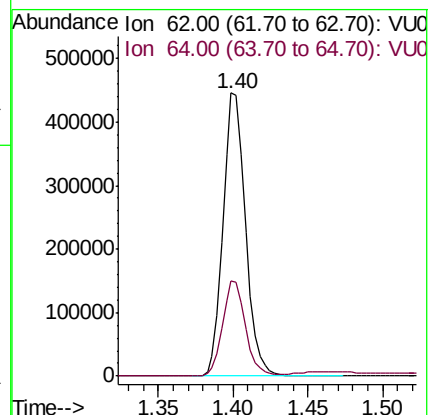
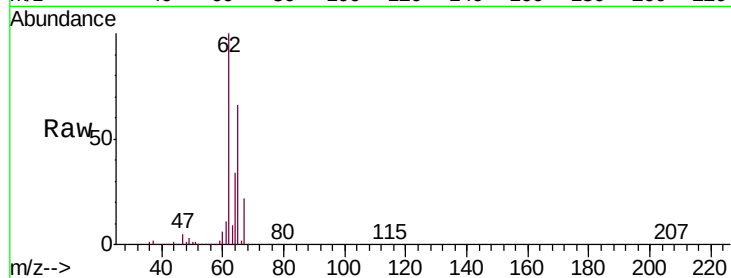
VSTD10055

Tgt Ion: 62 Resp: 467366

Ion Ratio Lower Upper

62 100

64 33.8 23.8 44.2



#6

Bromomethane

Concen: 94.918 ug/L

RT: 1.60 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU032290.D

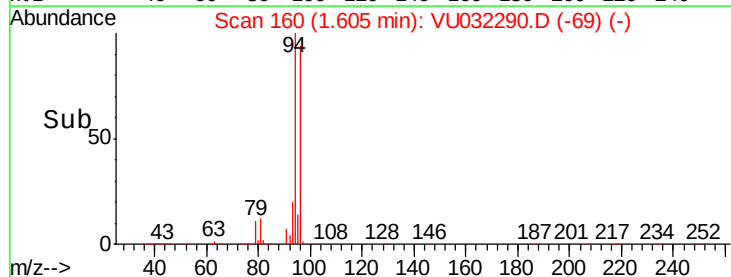
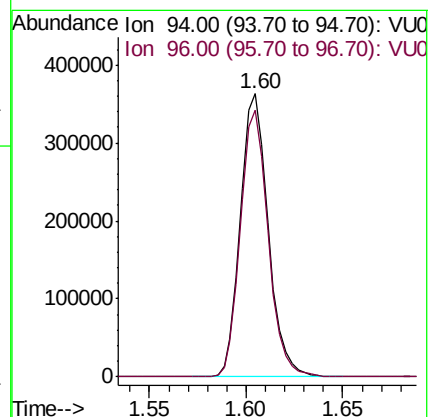
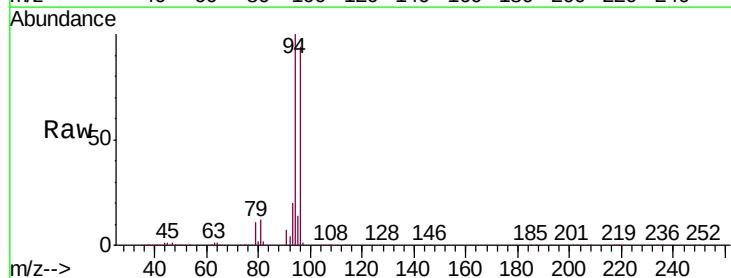
Acq: 24 May 2019 05:07

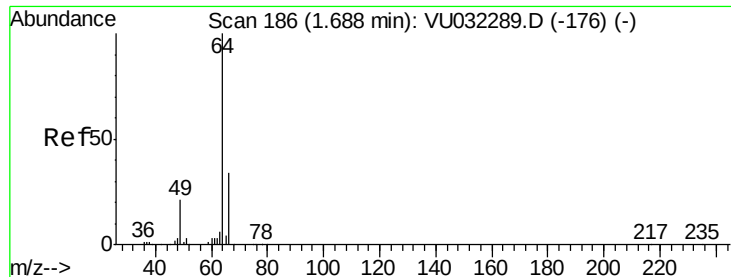
Tgt Ion: 94 Resp: 361250

Ion Ratio Lower Upper

94 100

96 94.4 66.0 122.6





#8

Chloroethane

Concen: 91.544 ug/L

RT: 1.68 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

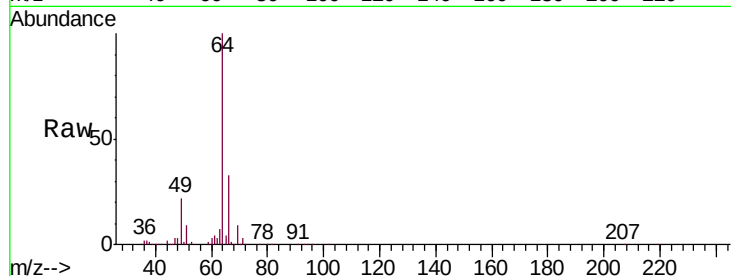
VSTD10055

Tgt Ion: 64 Resp: 304872

Ion Ratio Lower Upper

64 100

66 32.5 23.4 43.6



Abundance Ion 64.00 (63.70 to 64.70): VU032289.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU032289.D (-176) (-)

1.68

250000

200000

150000

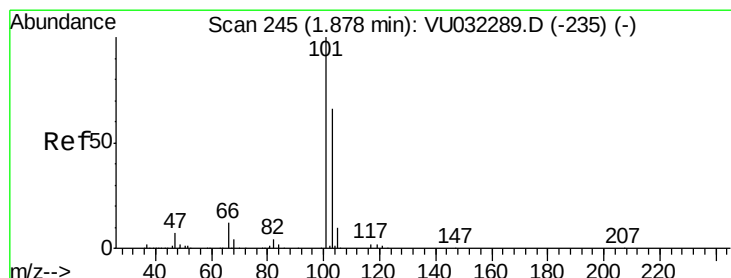
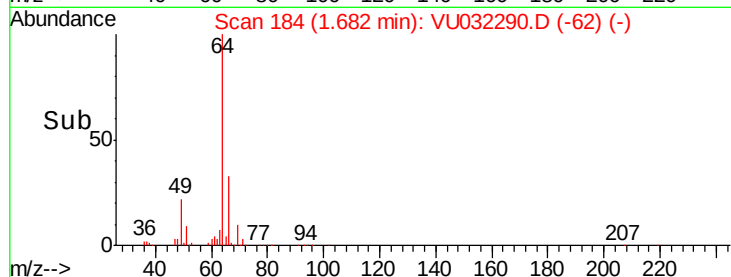
100000

50000

0

1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 78.045 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU032290.D

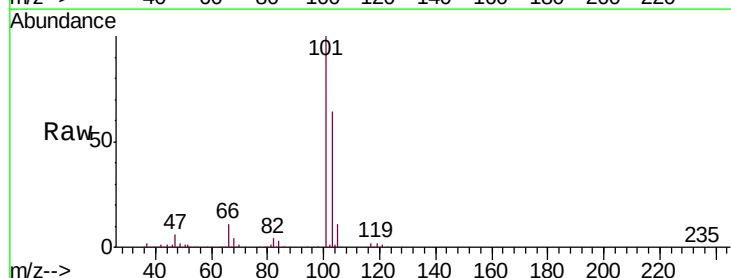
Acq: 24 May 2019 05:07

Tgt Ion: 101 Resp: 584439

Ion Ratio Lower Upper

101 100

103 65.4 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU032289.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032289.D (-235) (-)

1.87

500000

400000

300000

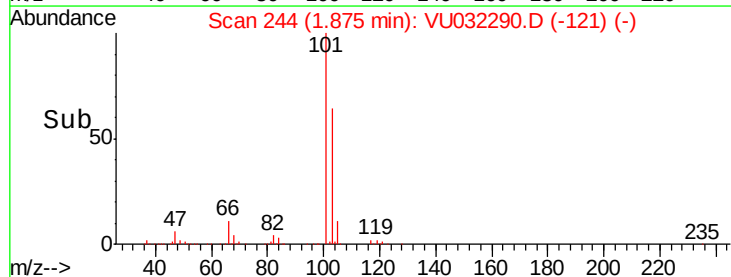
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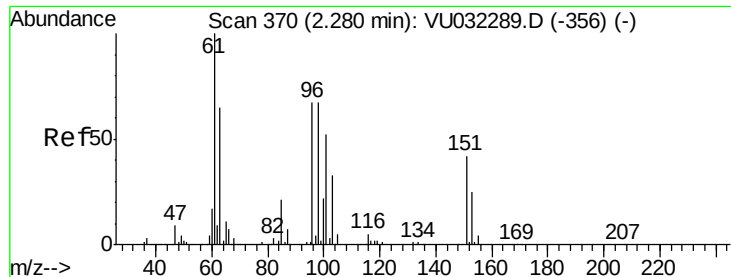
100000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 78.206 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

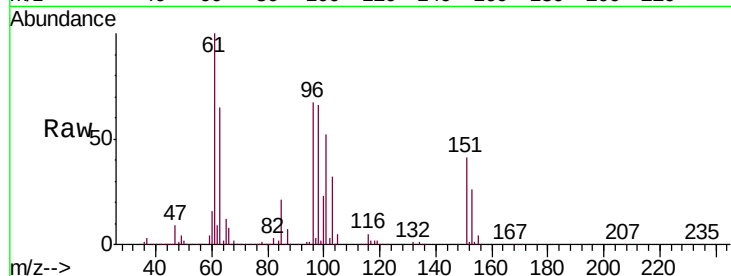
Tgt Ion: 101 Resp: 348741

Ion Ratio Lower Upper

101 100

85 40.2 32.8 49.2

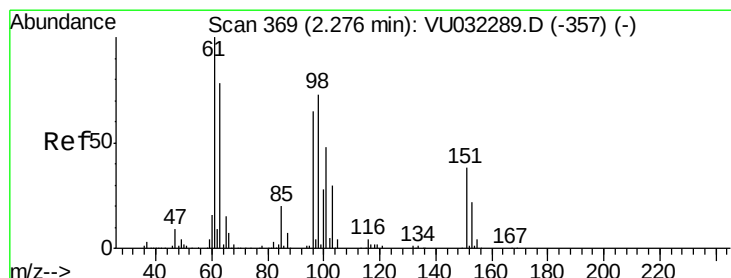
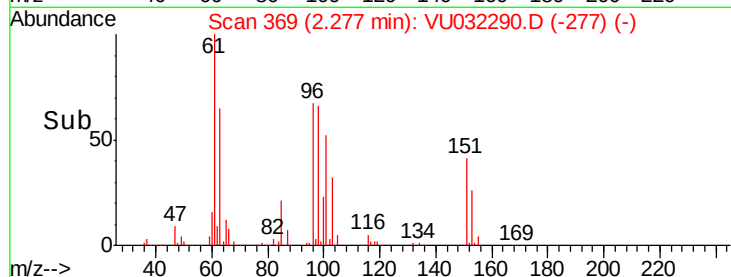
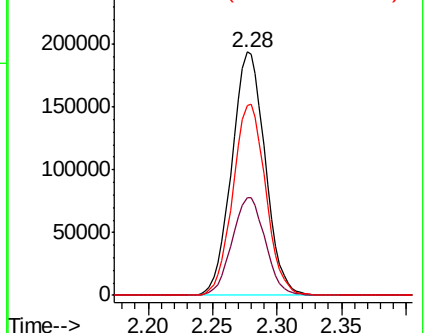
151 77.5 63.5 95.3



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: 85.488 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

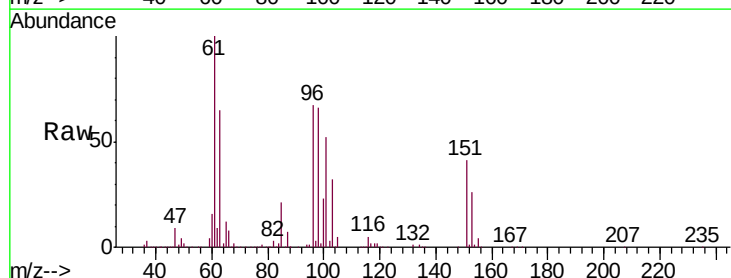
Tgt Ion: 96 Resp: 385820

Ion Ratio Lower Upper

96 100

61 148.4 108.0 200.6

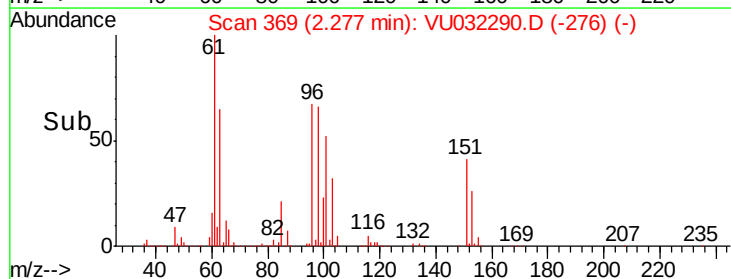
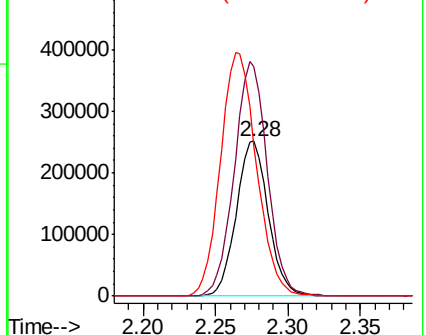
63 96.9 85.5 158.7

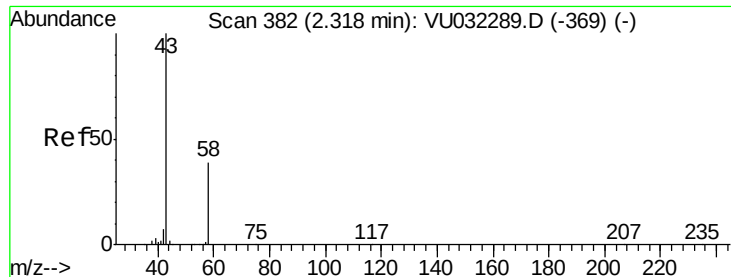


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 178.585 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032290.D

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ClientSampleId :

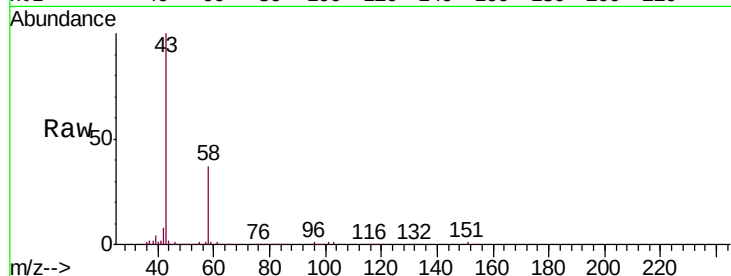
VSTD10055

Tgt Ion: 43 Resp: 494924

Ion Ratio Lower Upper

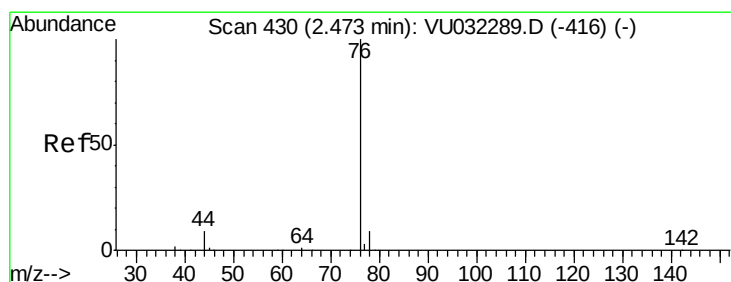
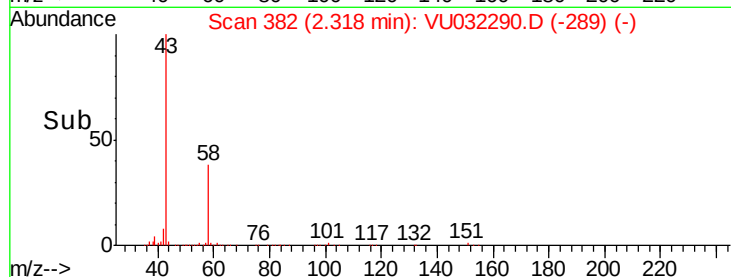
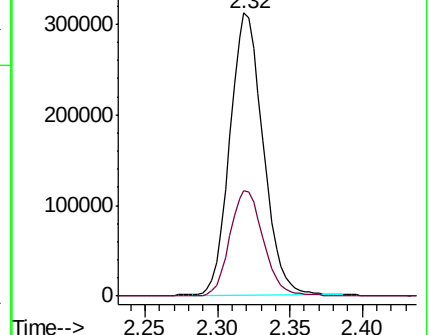
43 100

58 38.2 0.0 77.2



Abundance Ion 43.00 (42.70 to 43.70): VU032289.D (-369) (-)

Ion 58.00 (57.70 to 58.70): VU032289.D (-369) (-)



#14

Carbon disulfide

Concen: 84.067 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VU032290.D

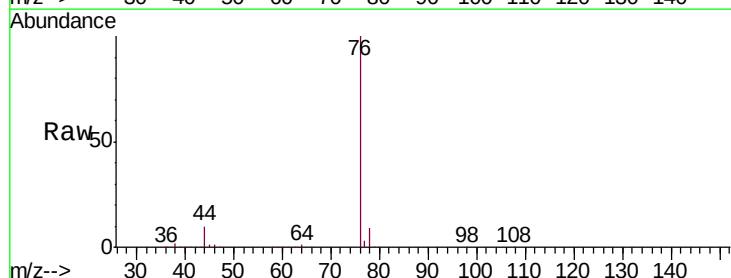
Acq: 24 May 2019 05:07

Tgt Ion: 76 Resp: 1108899

Ion Ratio Lower Upper

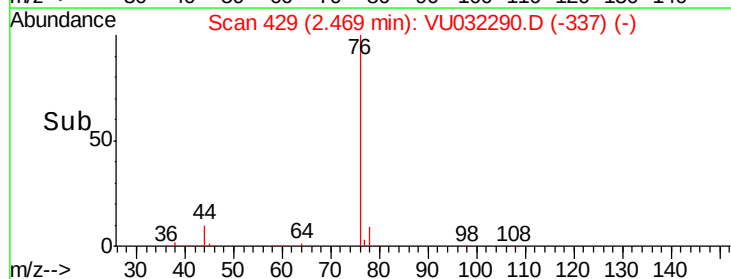
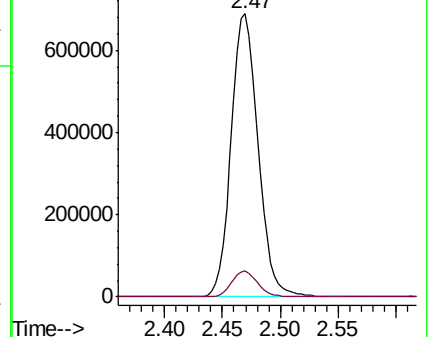
76 100

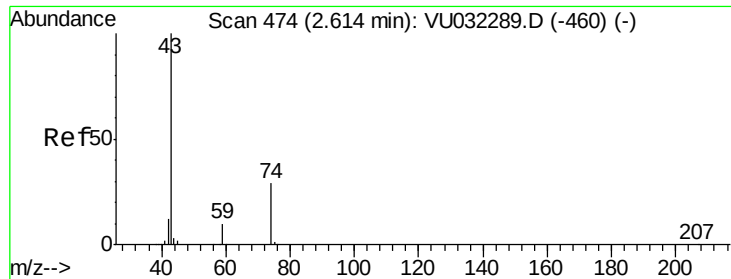
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU032289.D (-416) (-)

Ion 78.00 (77.70 to 78.70): VU032289.D (-416) (-)

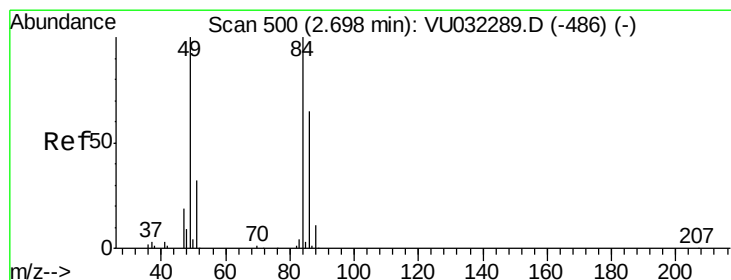
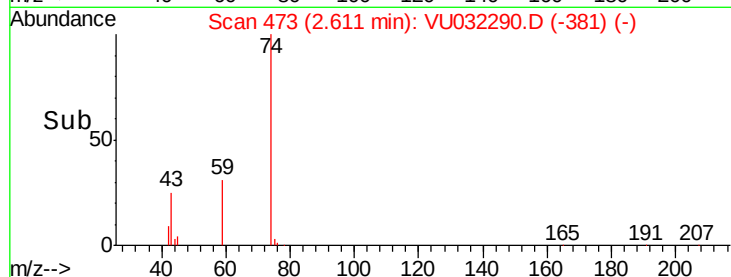
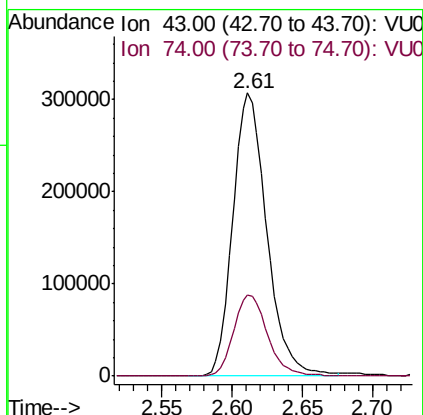
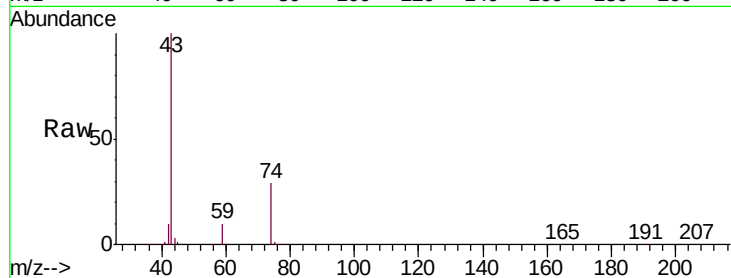




#15
Methyl Acetate
Concen: 121.041 ug/L
RT: 2.61 min Scan# 473
Delta R.T. -0.00 min
Lab File: VU032290.D
Acq: 24 May 2019 05:07

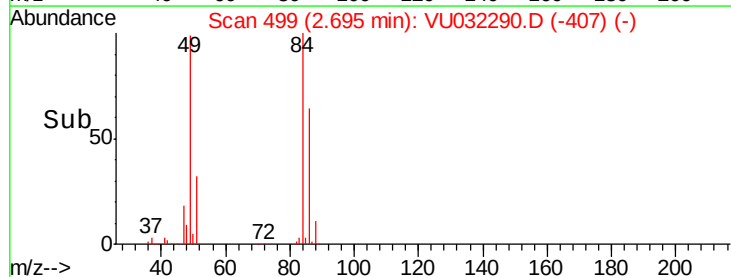
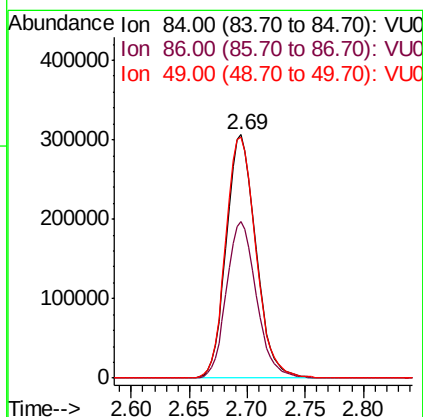
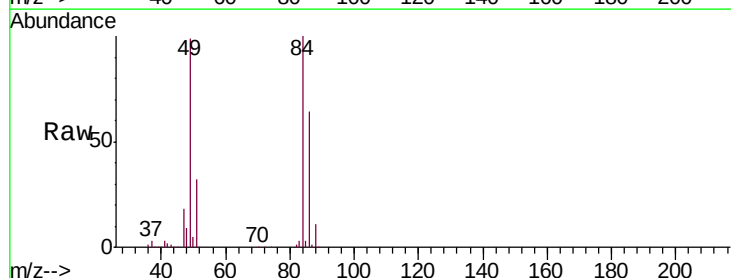
Instrument :
MSVOA_U
ClientSampleId :
VSTD10055

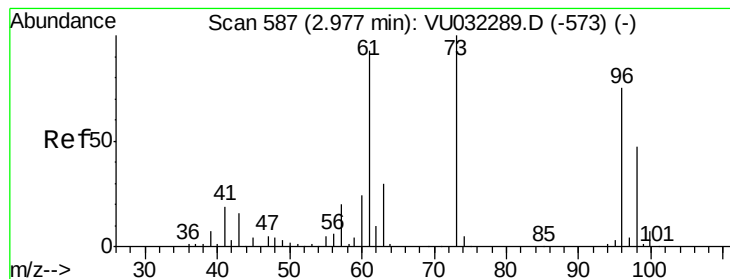
Tgt Ion: 43 Resp: 519534
Ion Ratio Lower Upper
43 100
74 28.6 23.1 34.7



#16
Methylene chloride
Concen: 100.007 ug/L
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU032290.D
Acq: 24 May 2019 05:07

Tgt Ion: 84 Resp: 540478
Ion Ratio Lower Upper
84 100
86 64.1 45.7 84.9
49 99.0 70.0 130.0





#17

trans-1,2-Dichloroethene

Concen: 93.790 ug/L

RT: 2.97 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

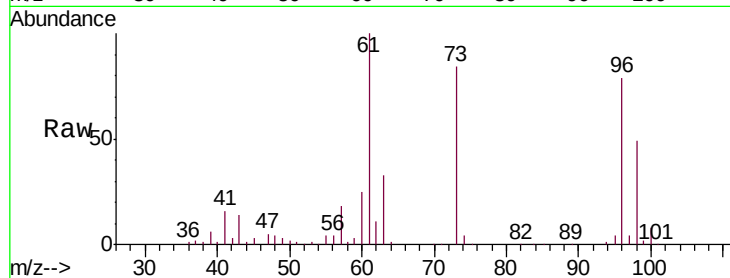
Tgt Ion: 96 Resp: 444004

Ion Ratio Lower Upper

96 100

61 126.2 86.5 160.7

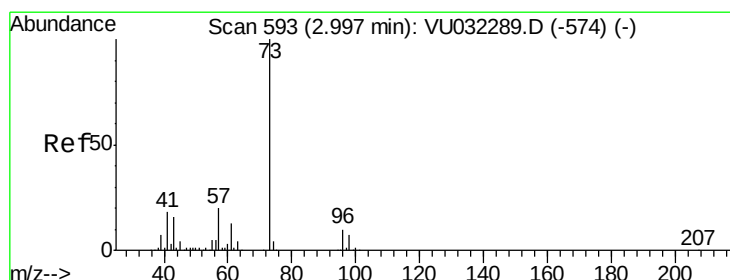
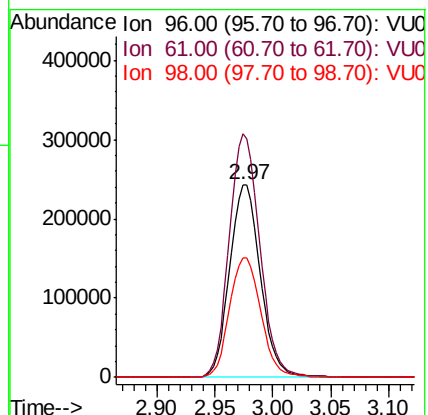
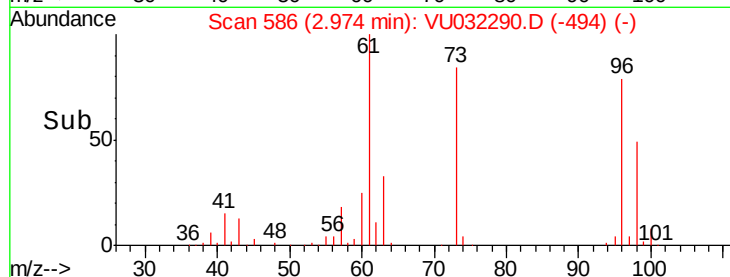
98 61.7 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU032290.D (-494) (-)

Ion 61.00 (60.70 to 61.70): VU032290.D (-494) (-)

Ion 98.00 (97.70 to 98.70): VU032290.D (-494) (-)



#18

Methyl tert-butyl Ether

Concen: 112.476 ug/L

RT: 2.99 min Scan# 592

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

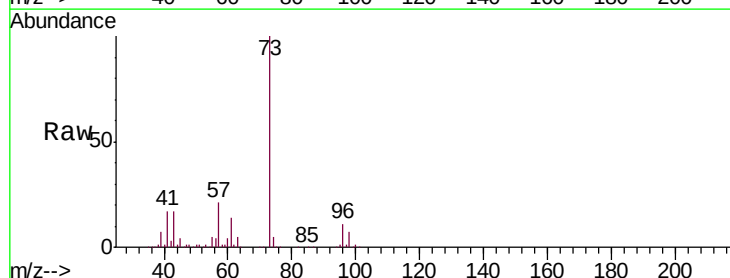
Tgt Ion: 73 Resp: 1597313

Ion Ratio Lower Upper

73 100

43 16.5 13.2 19.8

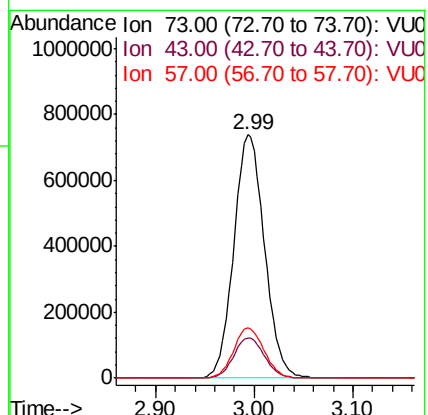
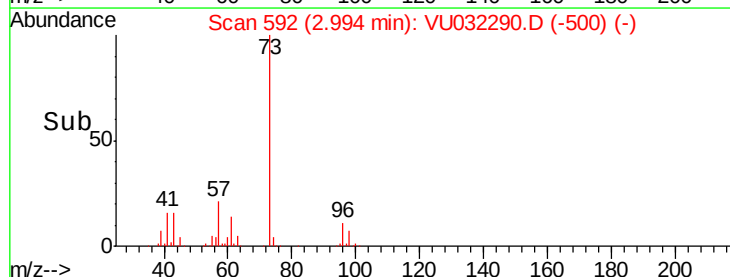
57 20.6 16.5 24.7

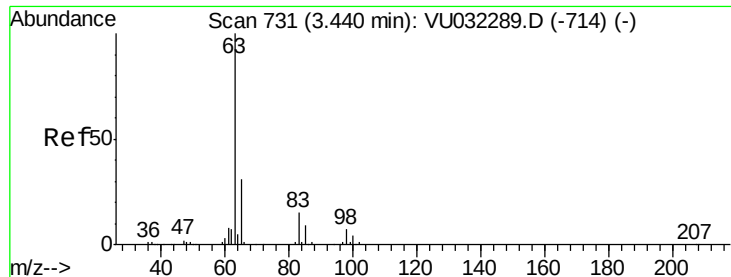


Abundance Ion 73.00 (72.70 to 73.70): VU032290.D (-500) (-)

Ion 43.00 (42.70 to 43.70): VU032290.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU032290.D (-500) (-)

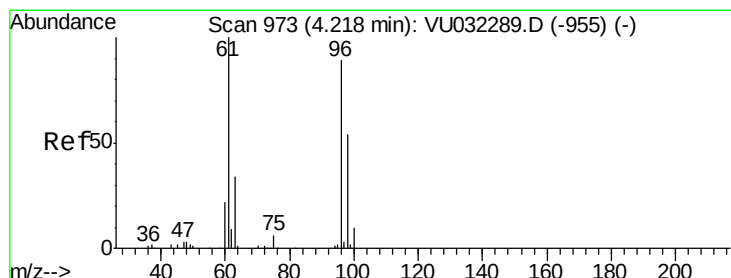
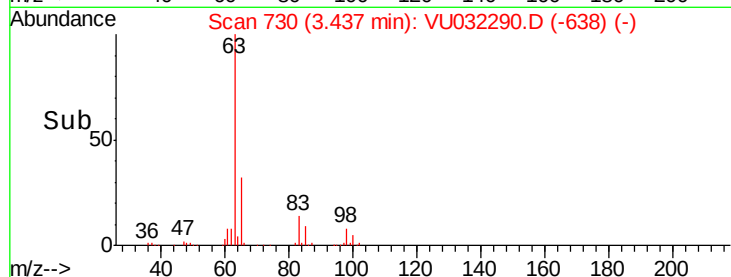
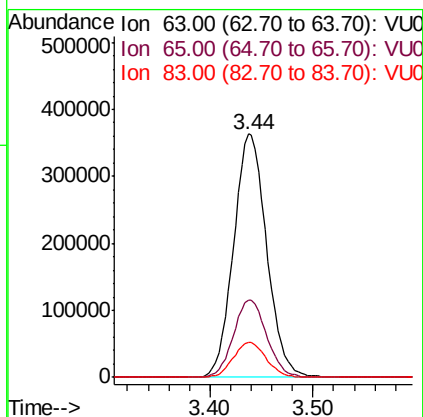
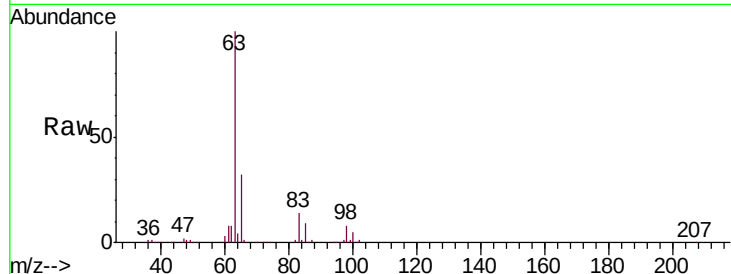




#19
 1,1-Dichloroethane
 Concen: 98.892 ug/L
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

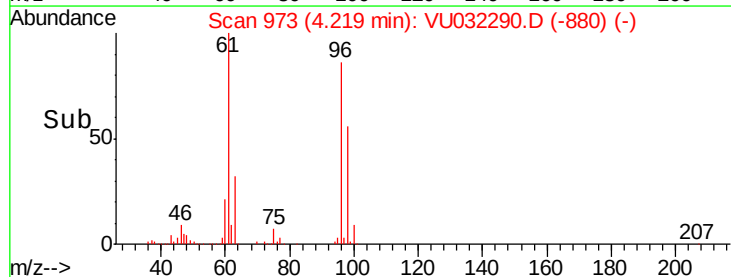
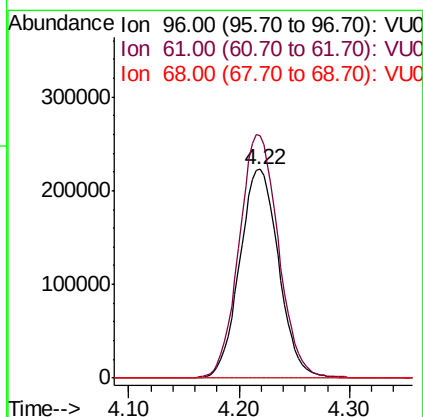
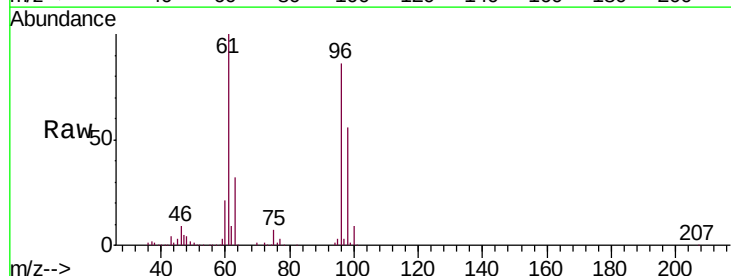
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

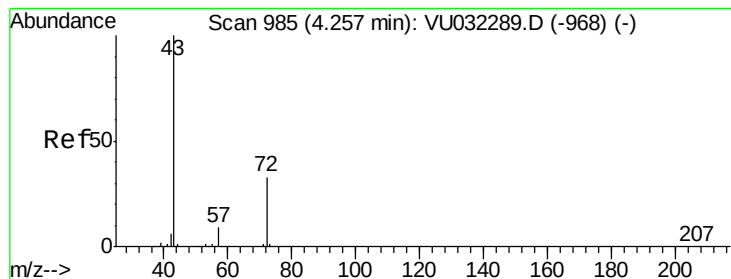
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.6	40.0
83	14.5	10.3	19.1



#20
 cis-1,2-Dichloroethene
 Concen: 100.677 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	116.5	78.5	145.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 241.296 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

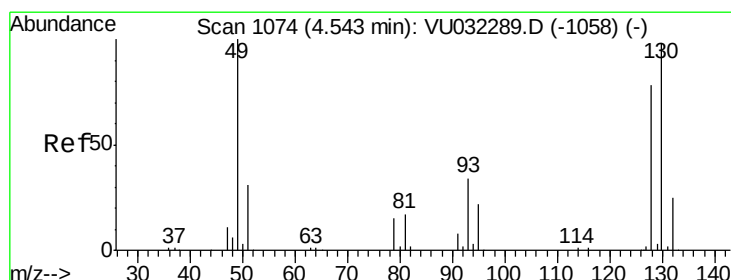
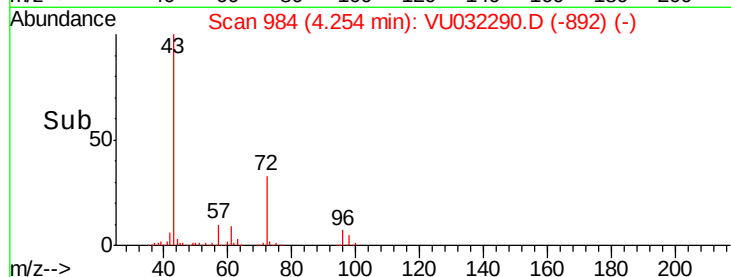
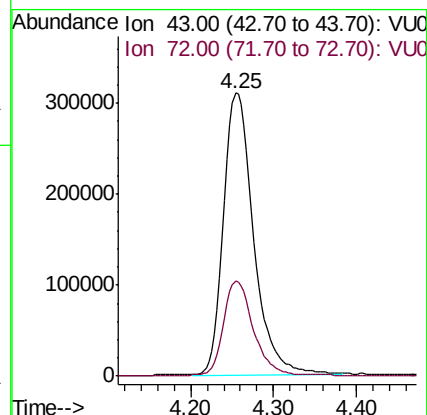
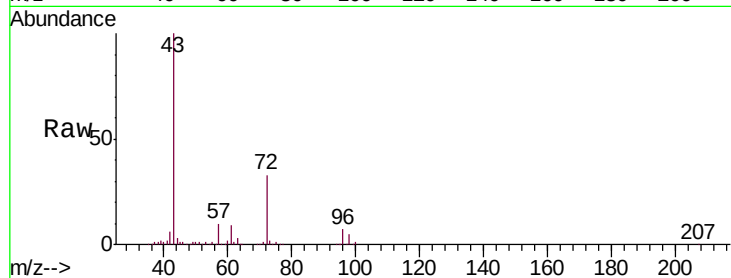
VSTD10055

Tgt Ion: 43 Resp: 783751

Ion Ratio Lower Upper

43 100

72 33.4 16.6 49.7



#23

Bromochloromethane

Concen: 102.401 ug/L

RT: 4.54 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Tgt Ion: 128 Resp: 300213

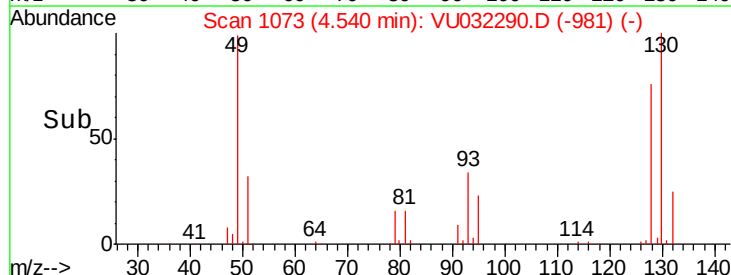
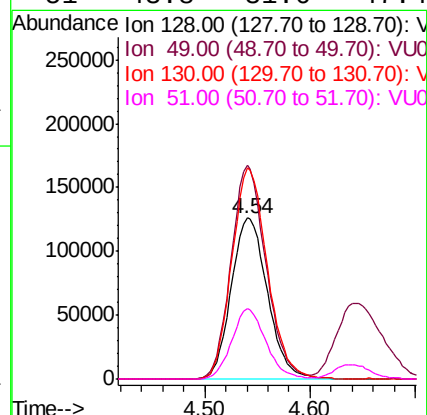
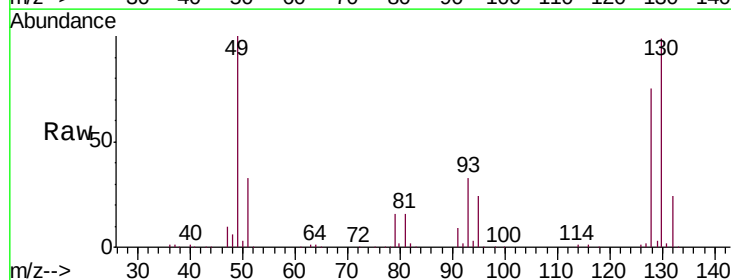
Ion Ratio Lower Upper

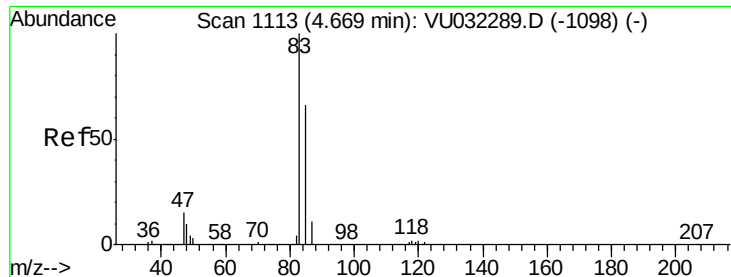
128 100

49 132.6 89.5 166.1

130 131.2 87.4 162.2

51 43.8 31.6 47.4





#25

Chloroform

Concen: 99.868 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

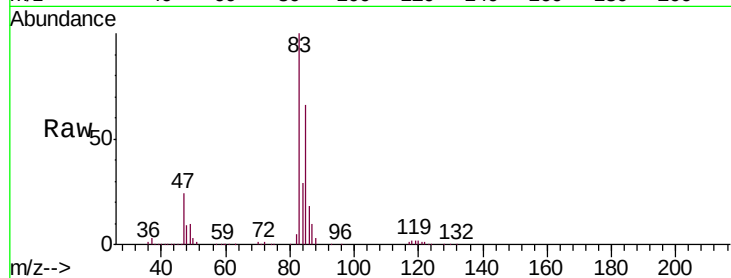
VSTD10055

Tgt Ion: 83 Resp: 897242

Ion Ratio Lower Upper

83 100

85 65.5 46.8 87.0



Abundance Ion 83.00 (82.70 to 83.70): VU032289.D (-1098) (-)

Ion 85.00 (84.70 to 85.70): VU032289.D (-1098) (-)

4.67

400000

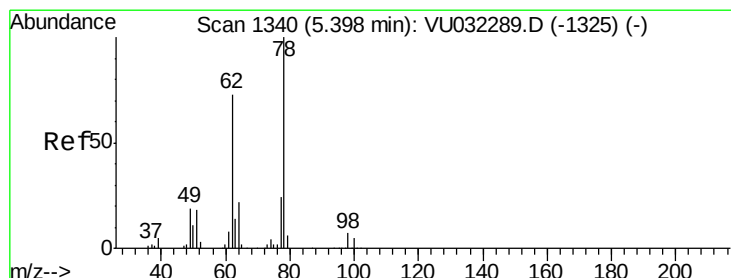
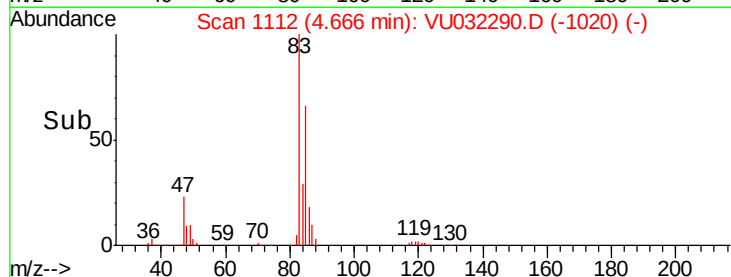
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 105.625 ug/L

RT: 5.40 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VU032290.D

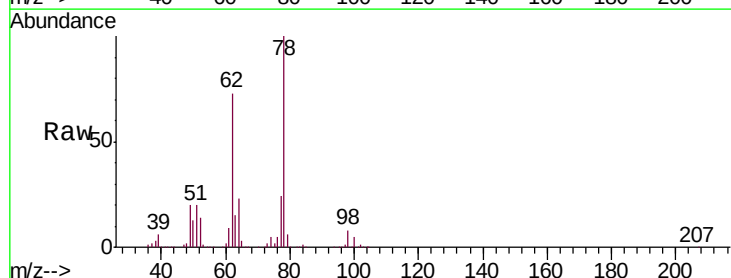
Acq: 24 May 2019 05:07

Tgt Ion: 62 Resp: 707055

Ion Ratio Lower Upper

62 100

98 10.5 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VU032289.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032289.D (-1325) (-)

5.40

400000

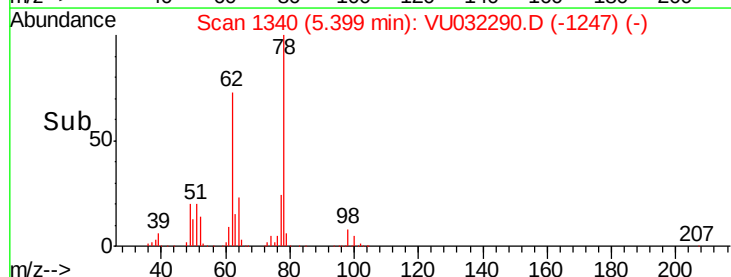
300000

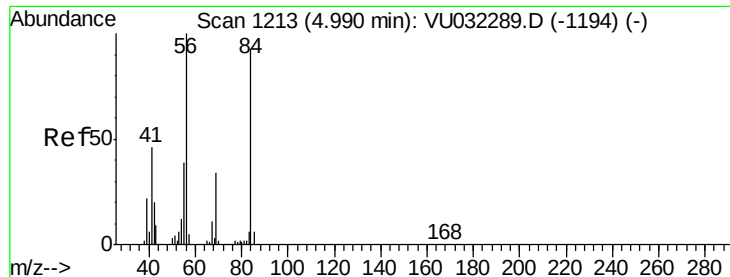
200000

100000

0

Time-->





#29

Cyclohexane

Concen: 90.391 ug/L

RT: 4.99 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

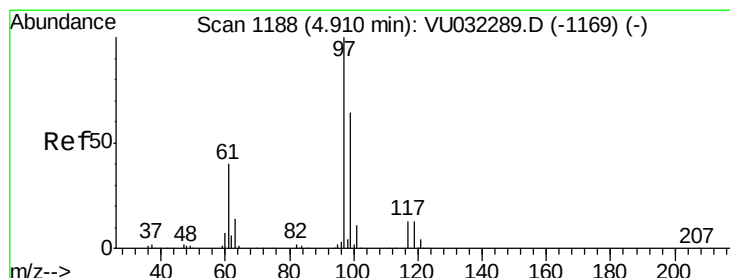
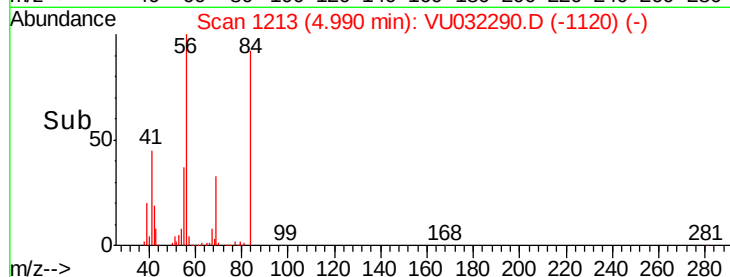
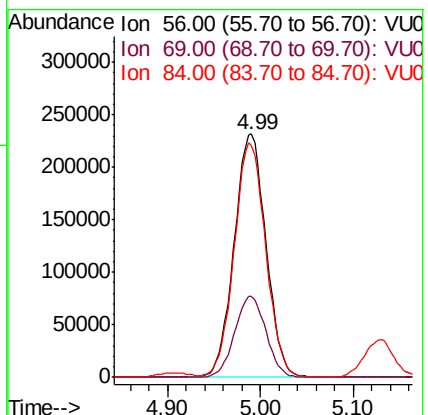
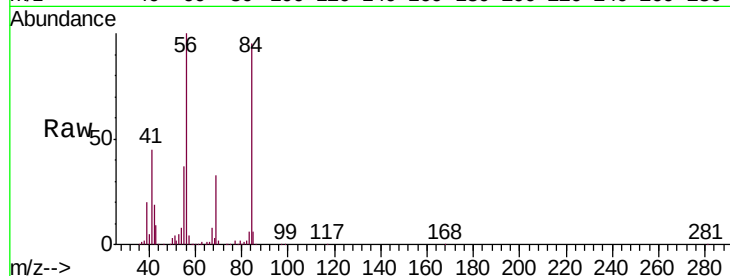
Tgt Ion: 56 Resp: 551970

Ion Ratio Lower Upper

56 100

69 32.8 26.6 40.0

84 95.3 73.8 110.8



#30

1,1,1-Trichloroethane

Concen: 92.673 ug/L

RT: 4.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

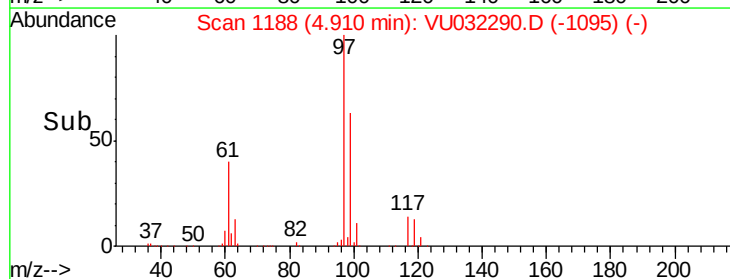
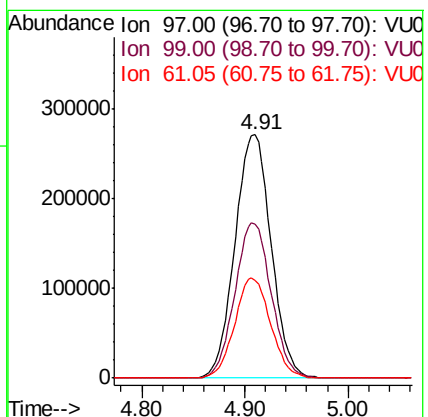
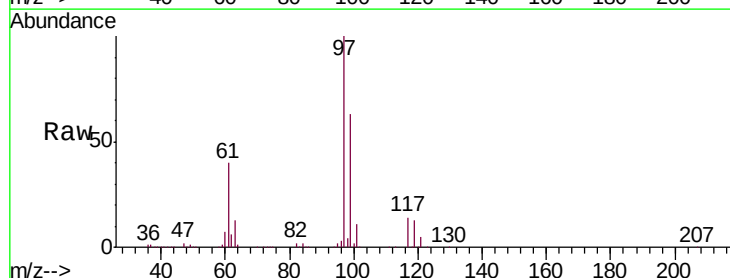
Tgt Ion: 97 Resp: 663566

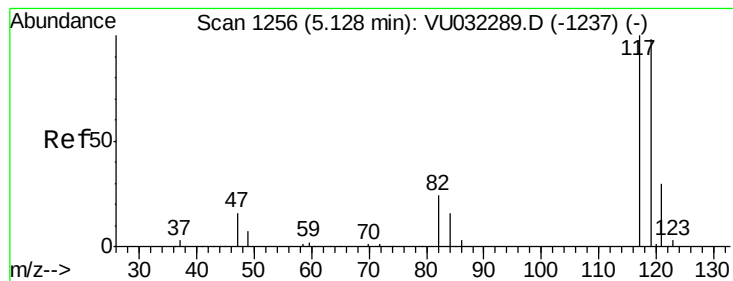
Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 40.9 32.2 48.4





#31

Carbon tetrachloride

Concen: 87.231 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

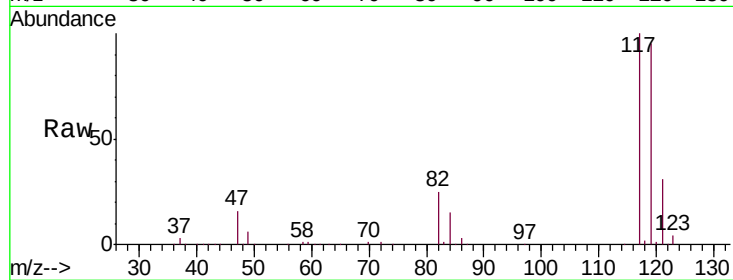
VSTD10055

Tgt Ion:117 Resp: 542507

Ion Ratio Lower Upper

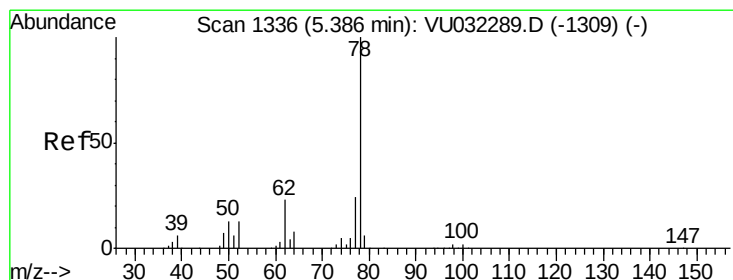
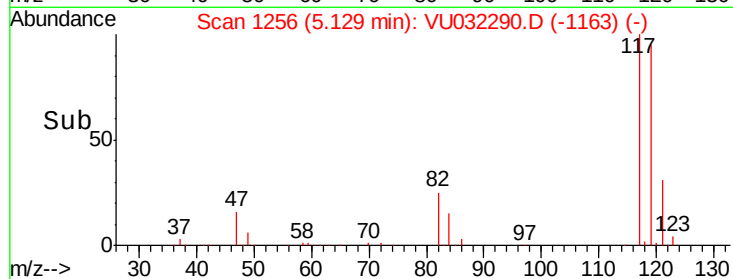
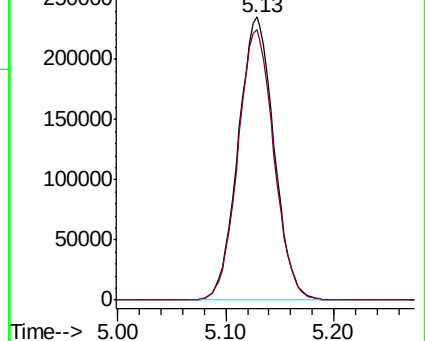
117 100

119 95.9 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 101.082 ug/L

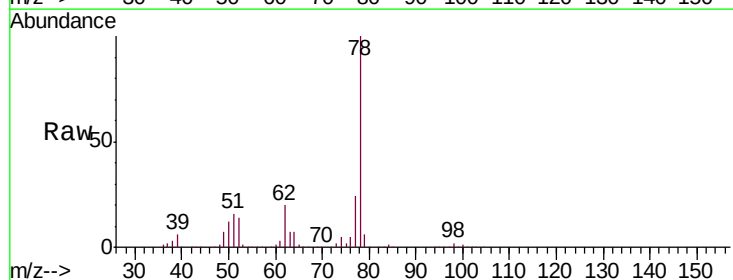
RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

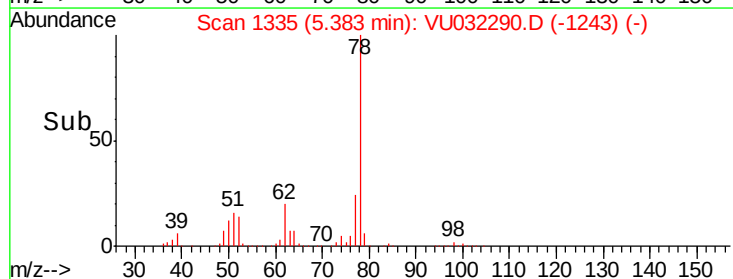
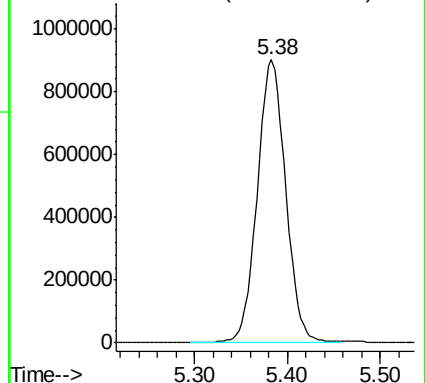
Lab File: VU032290.D

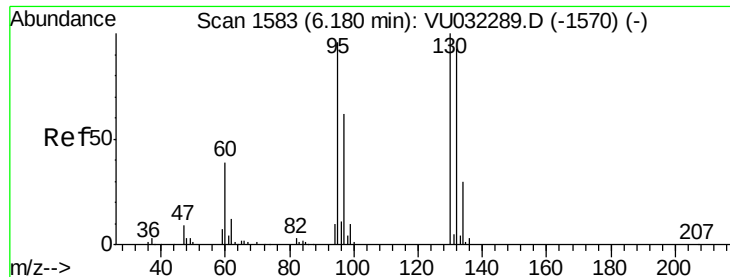
Acq: 24 May 2019 05:07

Tgt Ion: 78 Resp: 1925927



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 92.522 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

Tgt Ion: 95 Resp: 466402

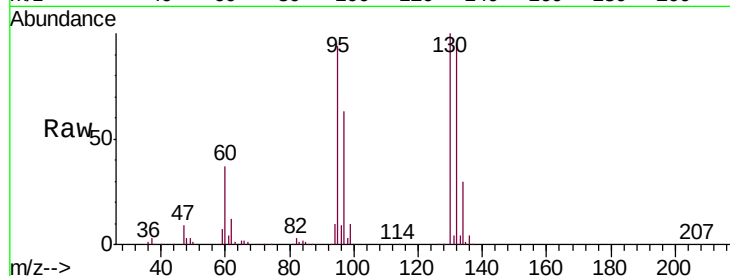
Ion Ratio Lower Upper

95 100

97 67.3 45.3 84.1

132 100.7 68.0 126.2

130 106.2 73.2 136.0

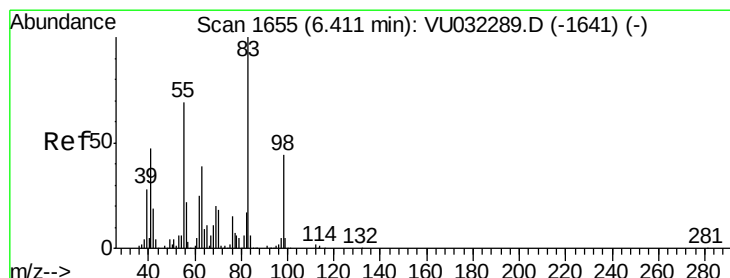
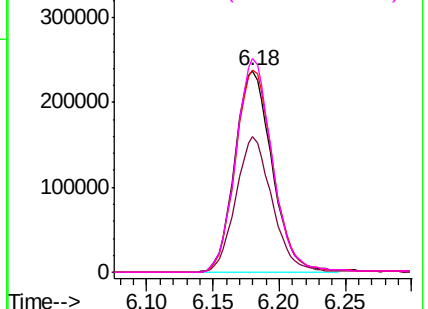
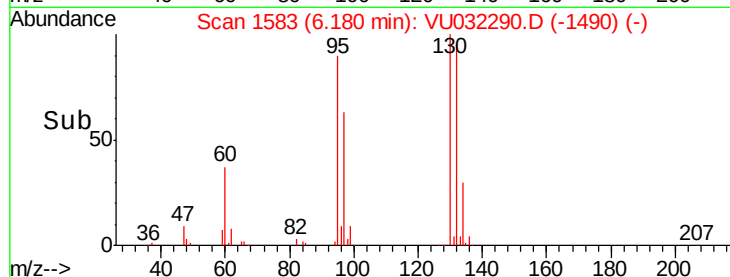


Abundance Ion 95.00 (94.70 to 95.70): VU032290.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU032290.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU032290.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU032290.D (-1570) (-)



#35

Methylcyclohexane

Concen: 82.175 ug/L

RT: 6.41 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

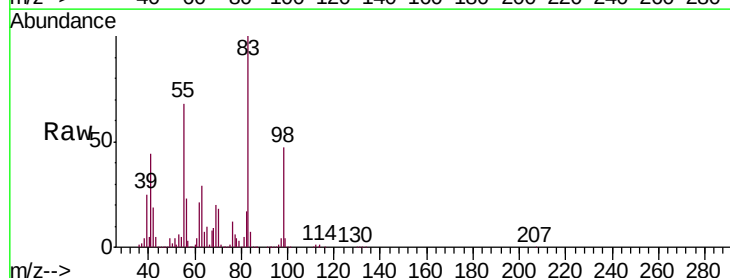
Tgt Ion: 83 Resp: 602636

Ion Ratio Lower Upper

83 100

55 70.2 56.1 84.1

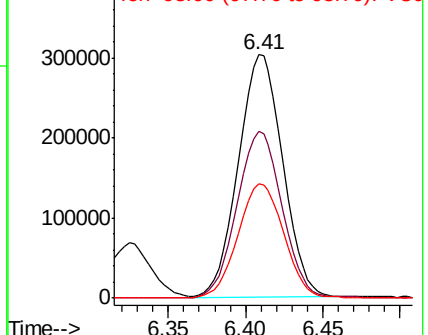
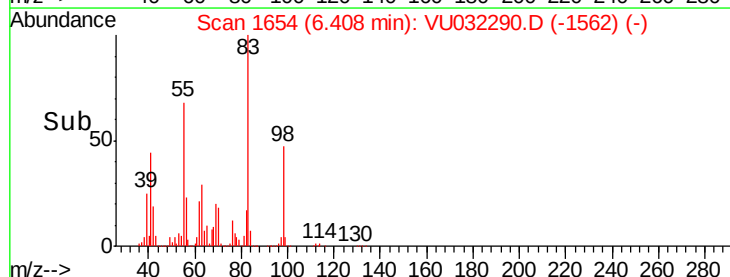
98 48.7 36.8 55.2

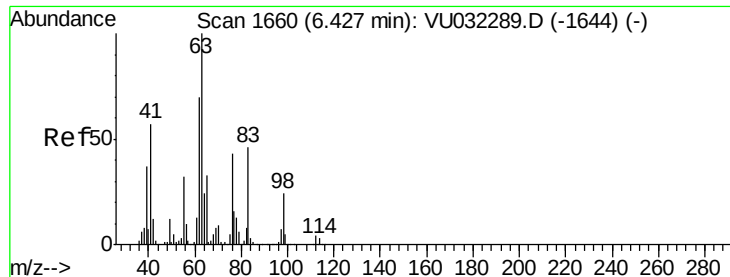


Abundance Ion 83.00 (82.70 to 83.70): VU032290.D (-1562) (-)

Ion 55.00 (54.70 to 55.70): VU032290.D (-1562) (-)

Ion 98.00 (97.70 to 98.70): VU032290.D (-1562) (-)

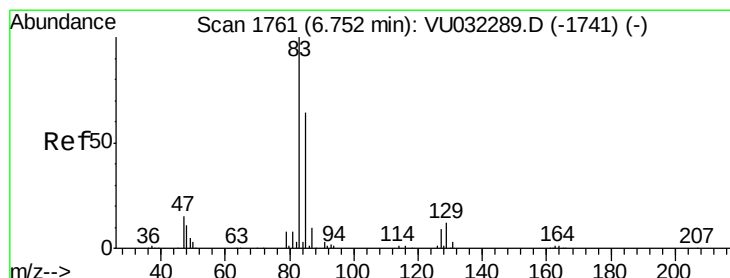
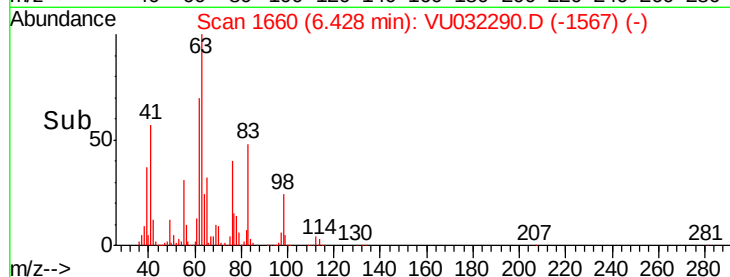
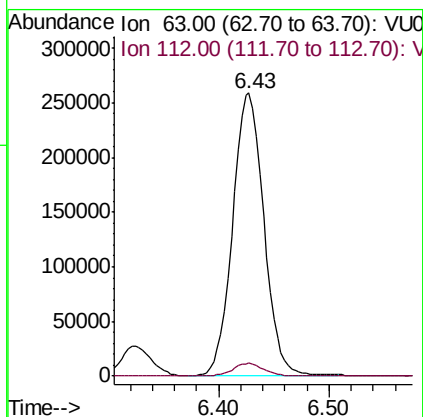
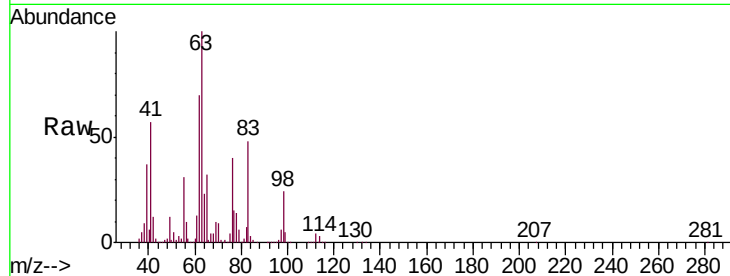




#37
 1,2-Dichloropropane
 Concen: 107.228 ug/L
 RT: 6.43 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

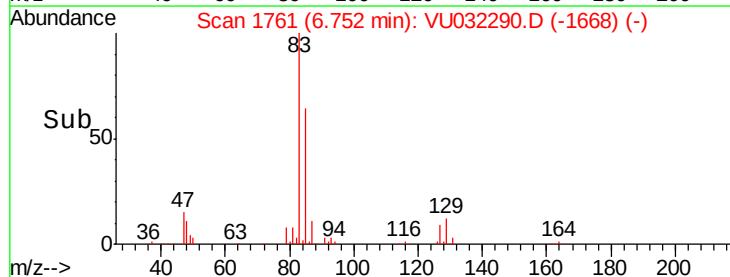
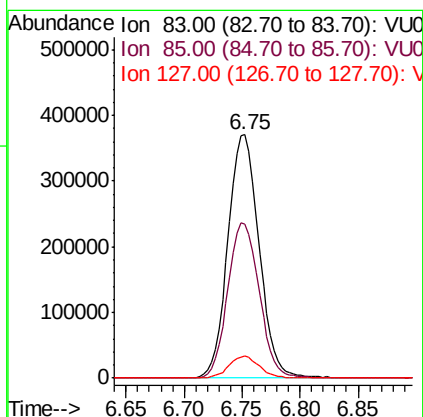
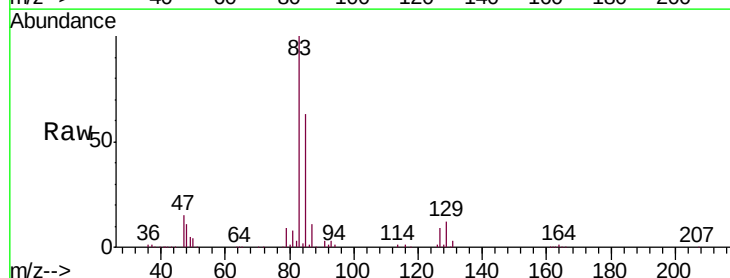
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

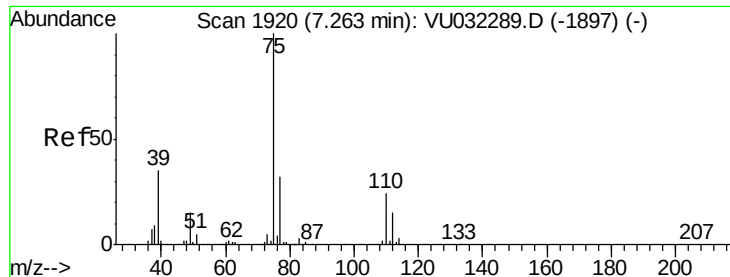
Tgt Ion: 63 Resp: 506156
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 106.653 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

Tgt Ion: 83 Resp: 692242
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.7 82.9
 127 9.1 7.4 11.0



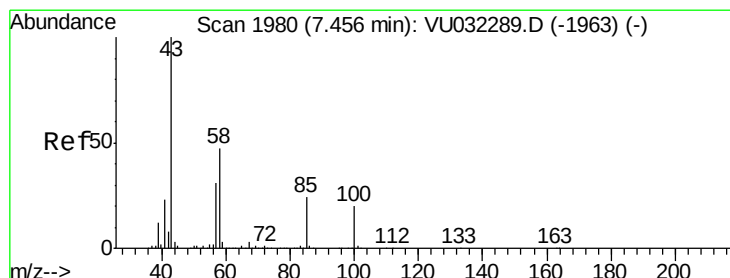
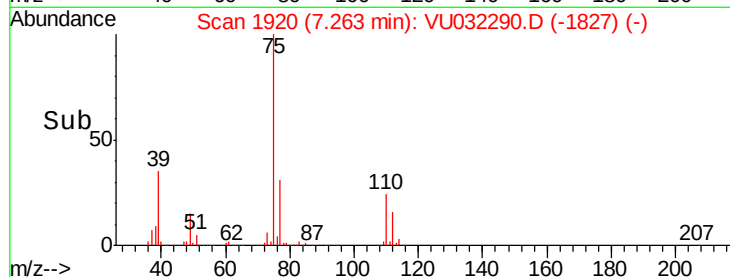
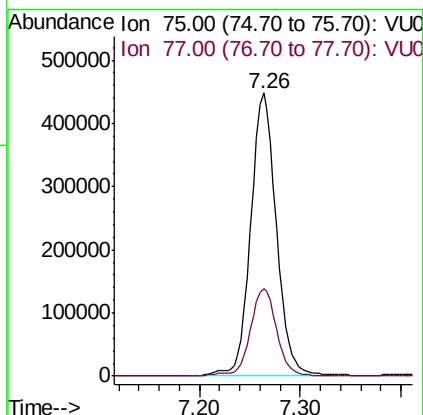
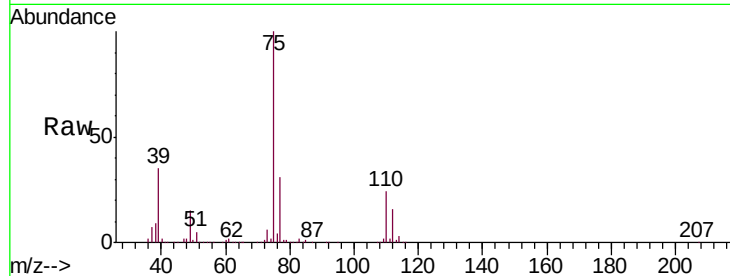


#39

cis-1,3-Dichloropropene
 Concen: 108.079 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

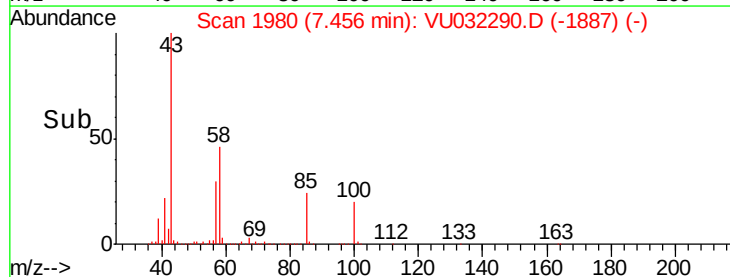
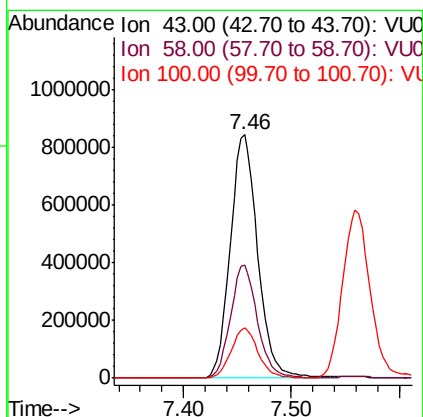
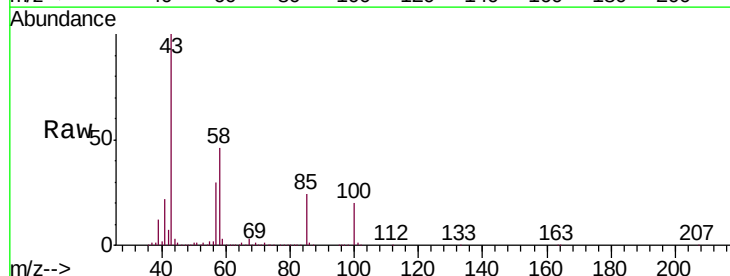
Tgt Ion: 75 Resp: 788736
 Ion Ratio Lower Upper
 75 100
 77 30.7 22.1 41.1

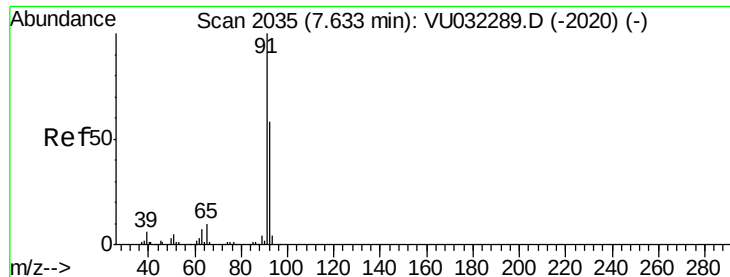


#40

4-Methyl-2-pentanone
 Concen: 267.420 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

Tgt Ion: 43 Resp: 1495500
 Ion Ratio Lower Upper
 43 100
 58 45.6 37.1 55.7
 100 20.3 16.3 24.5





#42

Toluene

Concen: 100.296 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

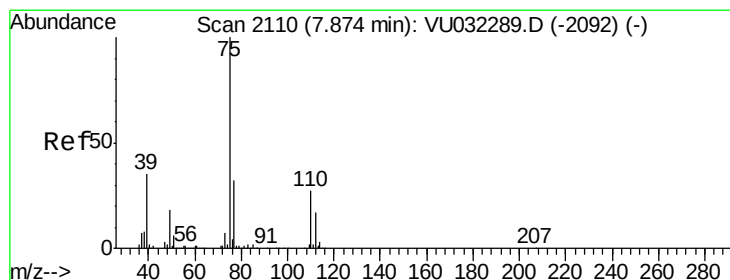
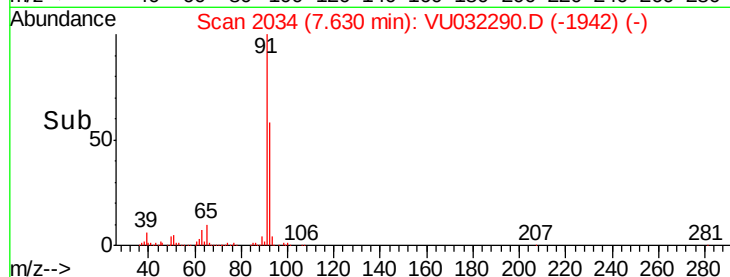
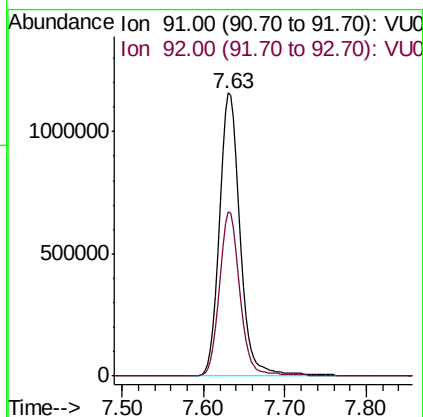
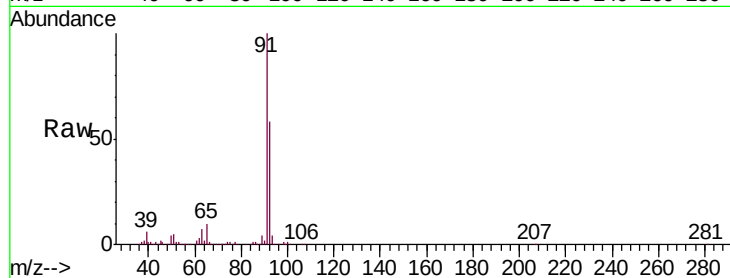
VSTD10055

Tgt Ion: 91 Resp: 2090806

Ion Ratio Lower Upper

91 100

92 58.3 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 108.081 ug/L

RT: 7.87 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VU032290.D

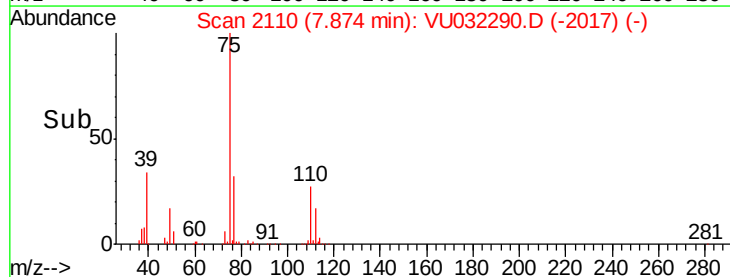
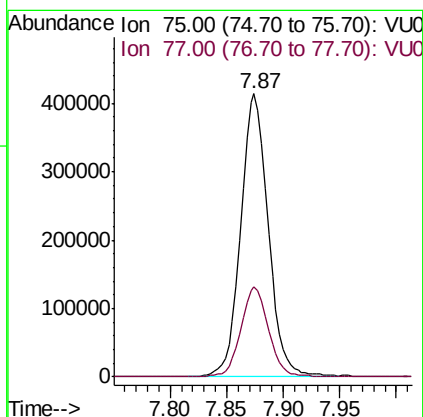
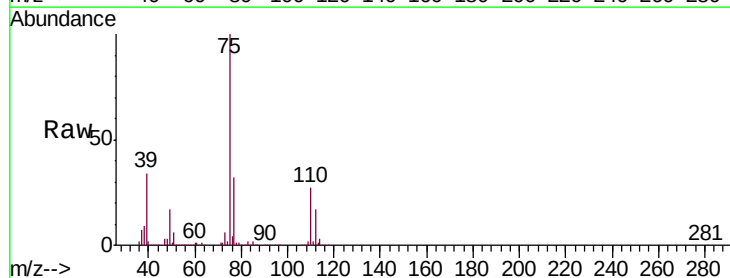
Acq: 24 May 2019 05:07

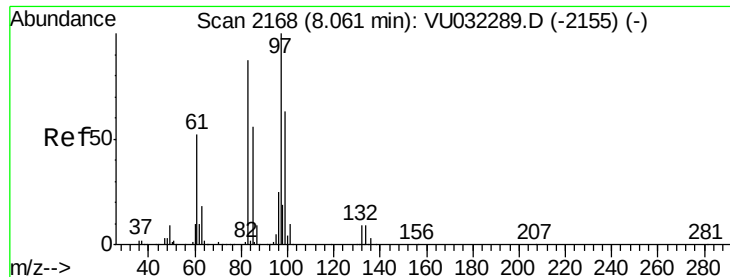
Tgt Ion: 75 Resp: 703275

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6

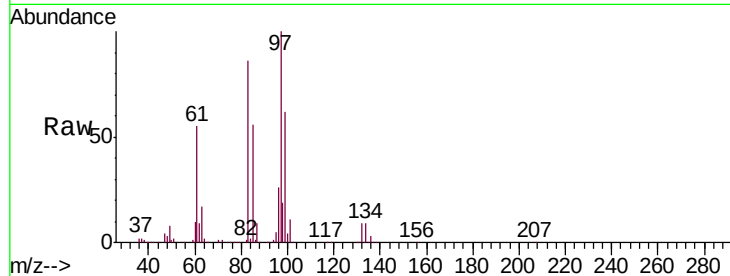




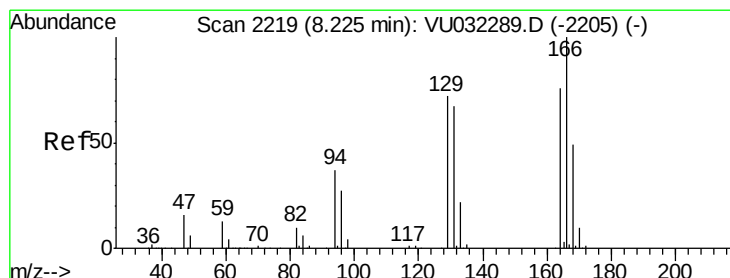
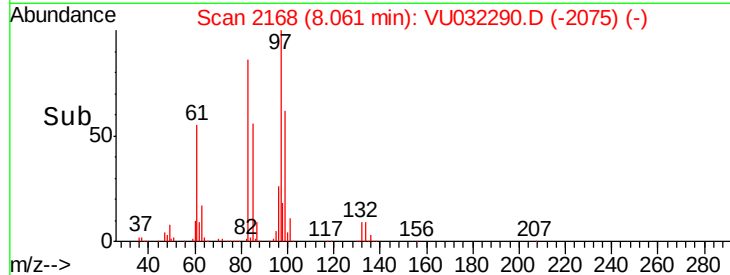
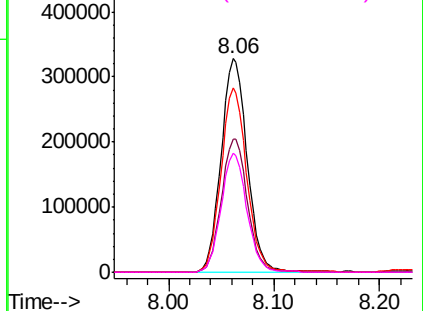
#45
 1,1,2-Trichloroethane
 Concen: 109.516 ug/L
 RT: 8.06 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

Tgt Ion:	97	Resp:	561662
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.9	81.5
83	86.2	61.2	113.6
85	55.7	39.3	73.1

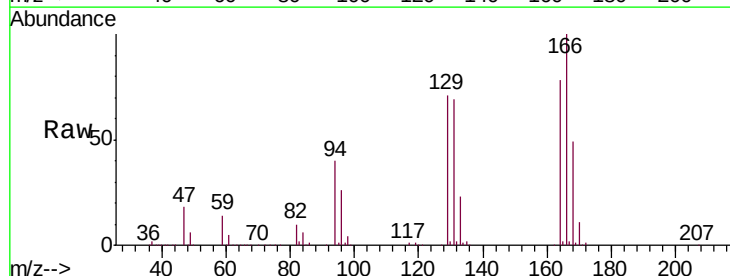


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

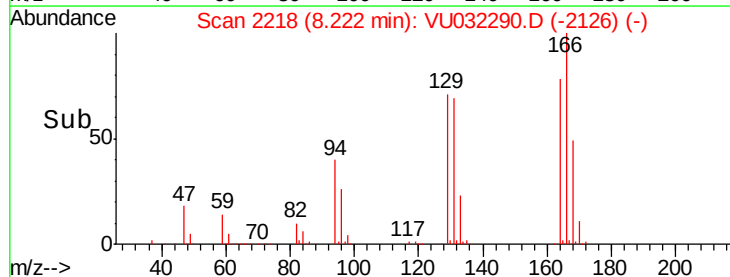
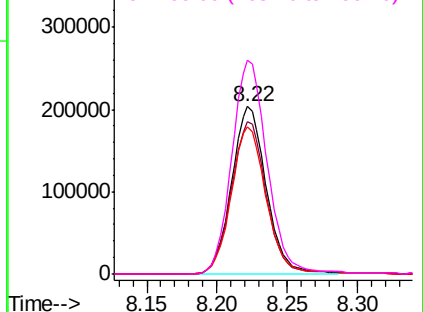


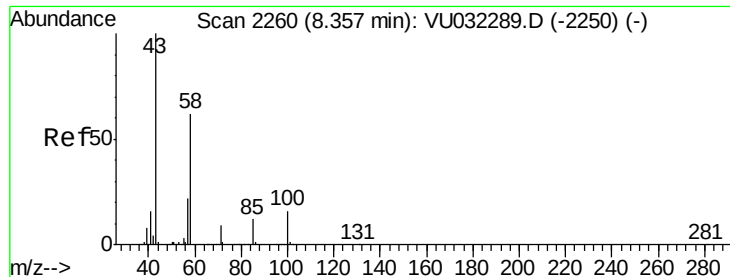
#46
 Tetrachloroethene
 Concen: 86.281 ug/L
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

Tgt Ion:	164	Resp:	350843
Ion	Ratio	Lower	Upper
164	100		
129	90.8	66.2	123.0
131	87.9	61.9	114.9
166	127.5	91.8	170.4



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

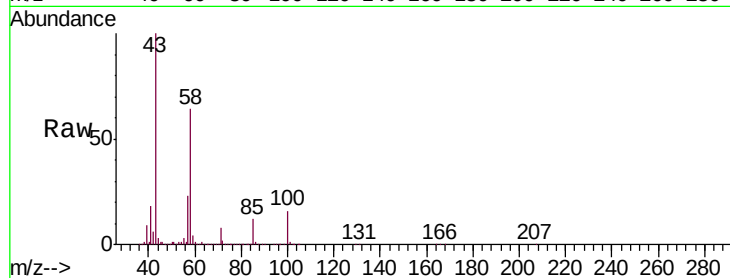




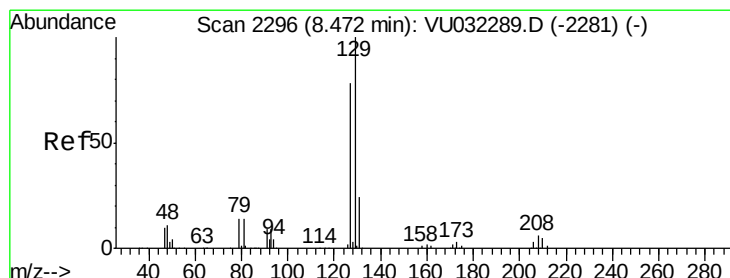
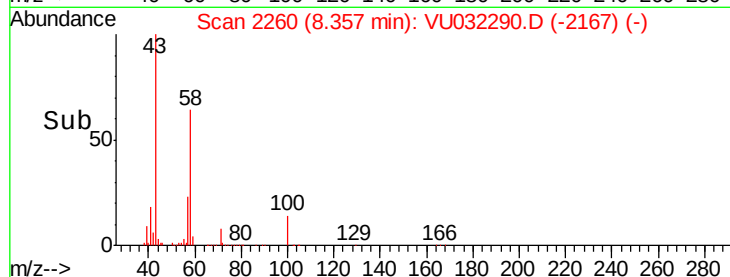
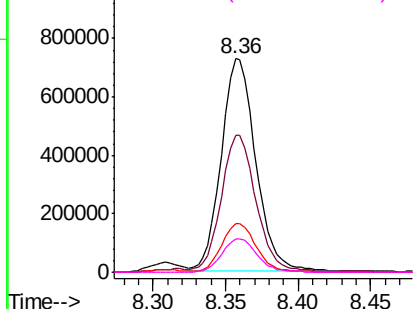
#48
2-Hexanone
Concen: 252.440 ug/L
RT: 8.36 min Scan# 2260
Delta R.T. 0.00 min
Lab File: VU032290.D
Acq: 24 May 2019 05:07

Instrument :
MSVOA_U
ClientSampled :
VSTD10055

Tgt Ion: 43 Resp: 1200852
Ion Ratio Lower Upper
43 100
58 65.3 51.4 77.0
57 23.0 17.8 26.8
100 15.9 12.8 19.2

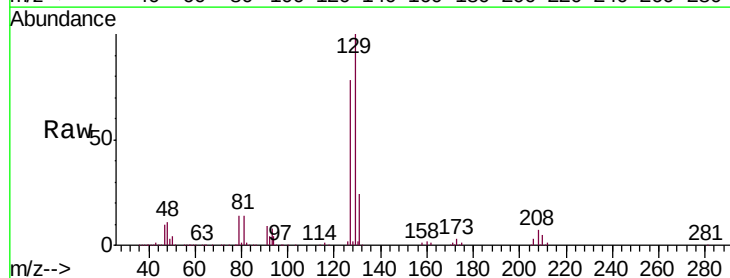


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

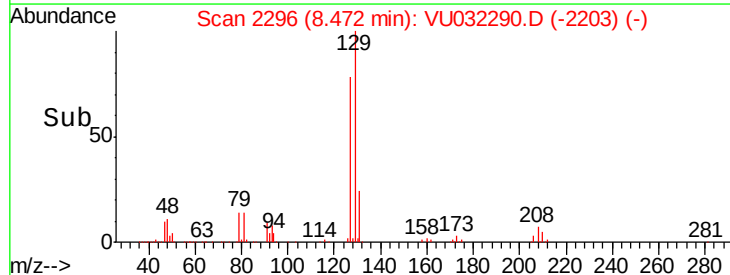
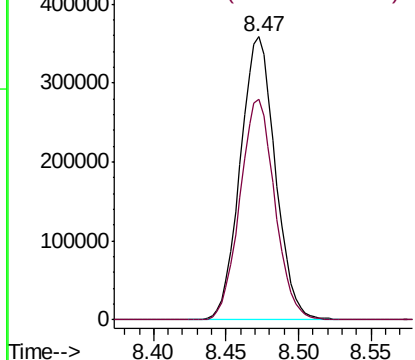


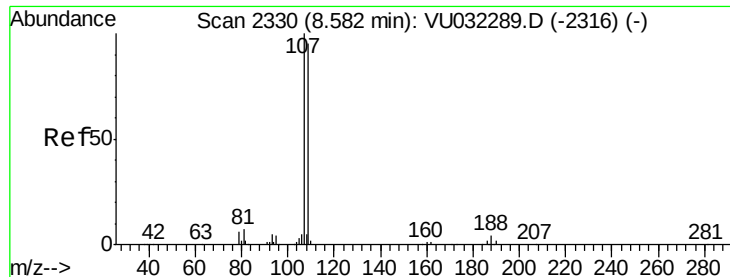
#49
Dibromochloromethane
Concen: 110.420 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032290.D
Acq: 24 May 2019 05:07

Tgt Ion: 129 Resp: 603606
Ion Ratio Lower Upper
129 100
127 77.8 54.5 101.3



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

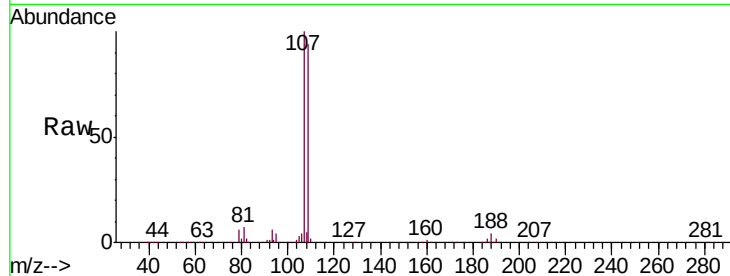




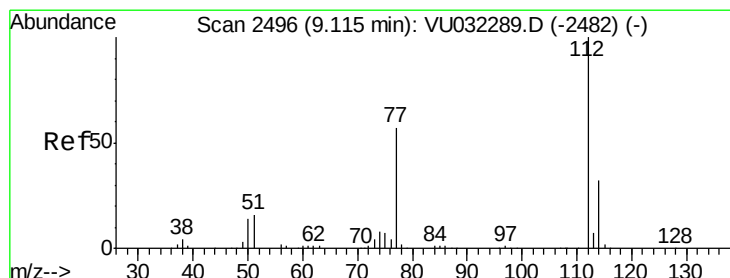
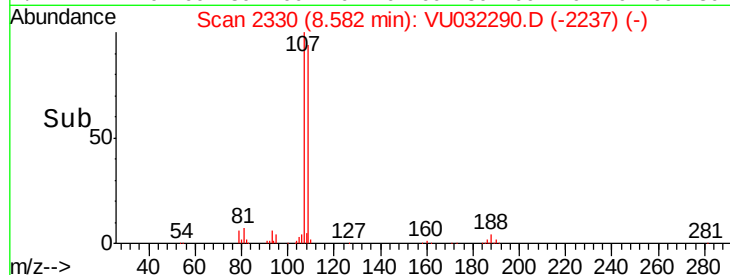
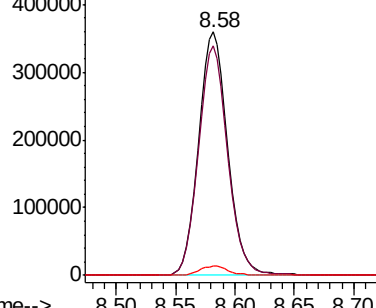
#50
1,2-Dibromoethane
Concen: 112.254 ug/L
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU032290.D
Acq: 24 May 2019 05:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD10055

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.2	66.6	123.8
188	3.7	3.2	4.8

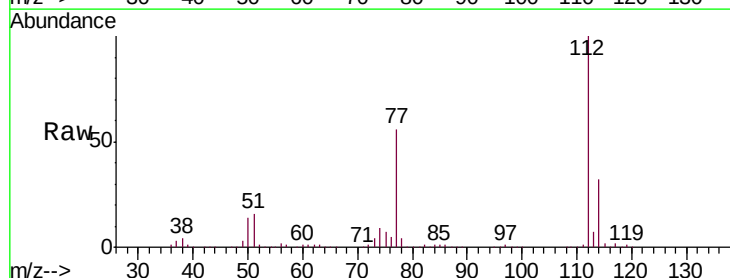


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

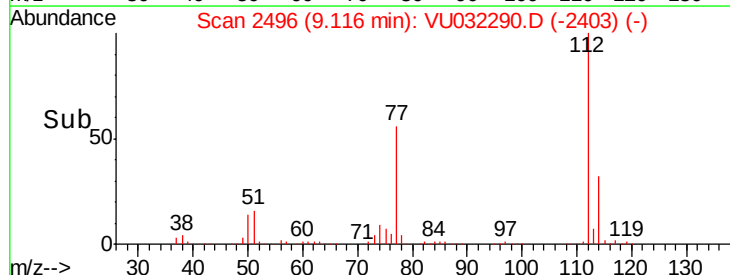
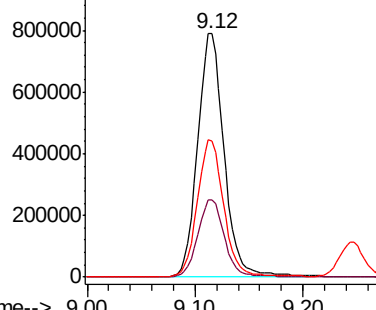


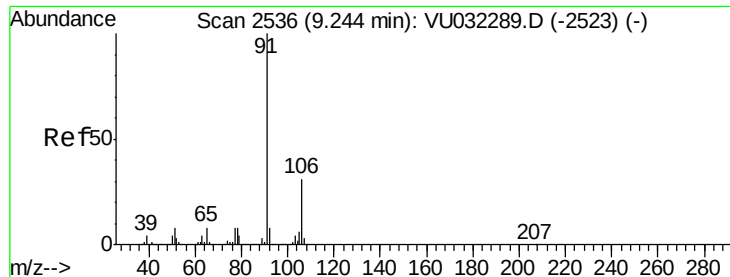
#51
Chlorobenzene
Concen: 96.453 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU032290.D
Acq: 24 May 2019 05:07

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.5	41.7
77	56.0	45.8	68.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 97.435 ug/L

RT: 9.24 min Scan# 2536

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

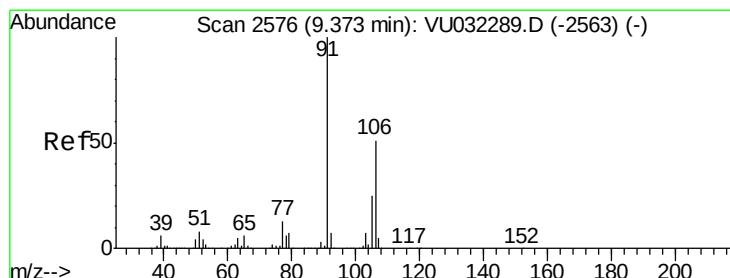
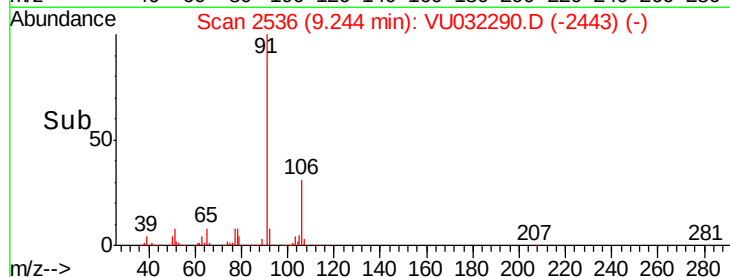
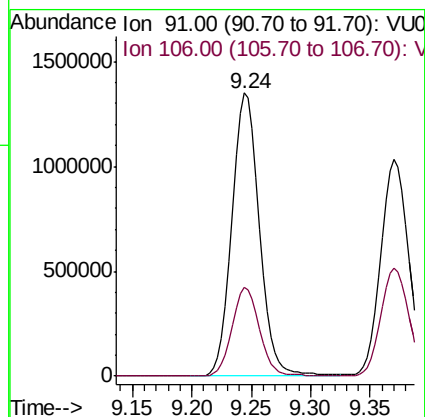
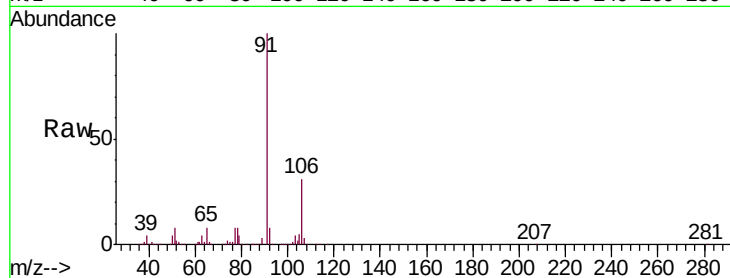
VSTD10055

Tgt Ion: 91 Resp: 2166508

Ion Ratio Lower Upper

91 100

106 31.3 22.0 41.0



#53

m,p-Xylene

Concen: 97.713 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. -0.00 min

Lab File: VU032290.D

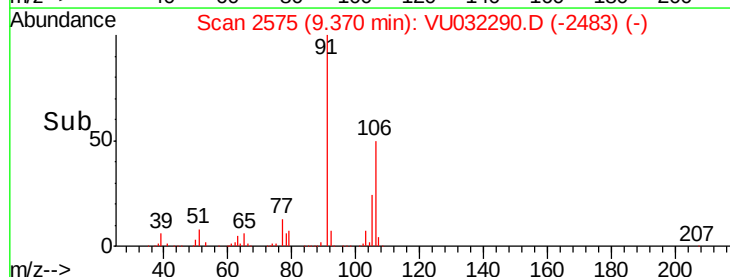
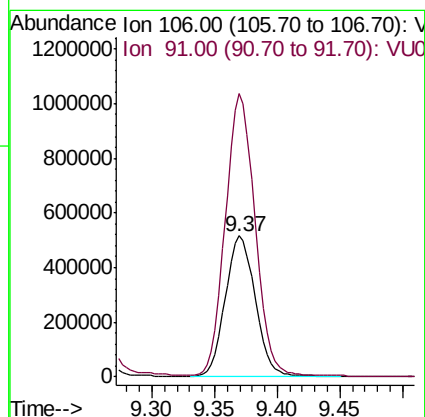
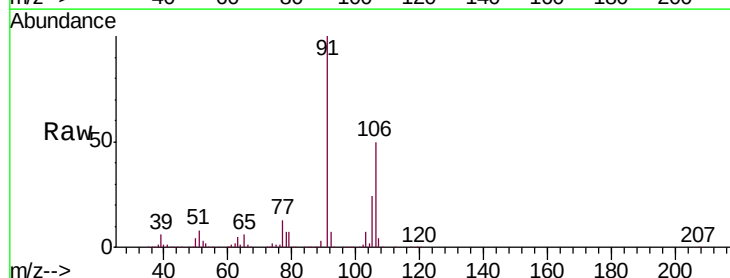
Acq: 24 May 2019 05:07

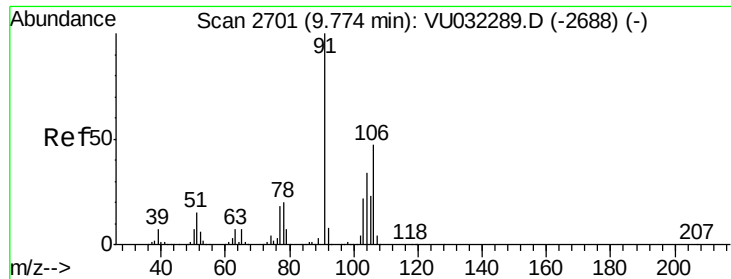
Tgt Ion: 106 Resp: 852287

Ion Ratio Lower Upper

106 100

91 200.7 136.5 253.5





#54

o-xylene

Concen: 101.796 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

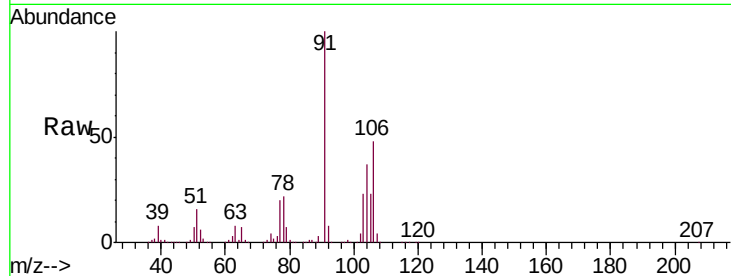
VSTD10055

Tgt Ion:106 Resp: 881740

Ion Ratio Lower Upper

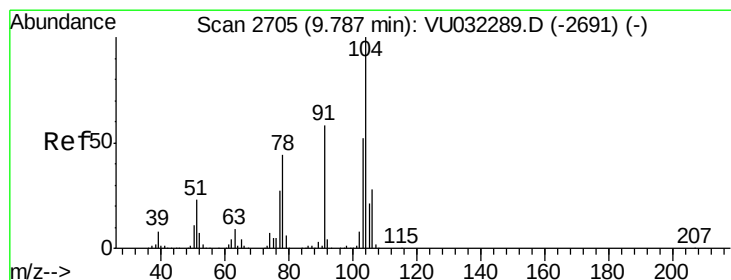
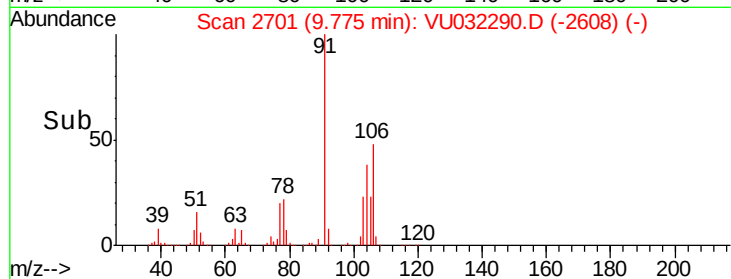
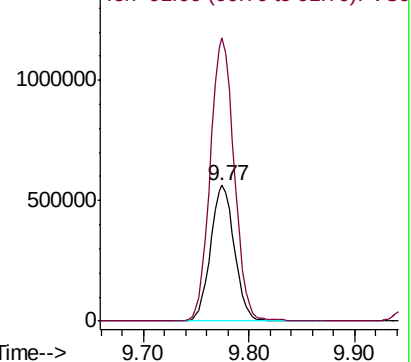
106 100

91 208.1 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 105.577 ug/L

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU032290.D

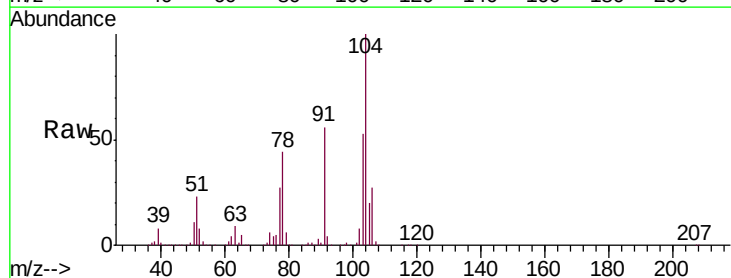
Acq: 24 May 2019 05:07

Tgt Ion:104 Resp: 1574592

Ion Ratio Lower Upper

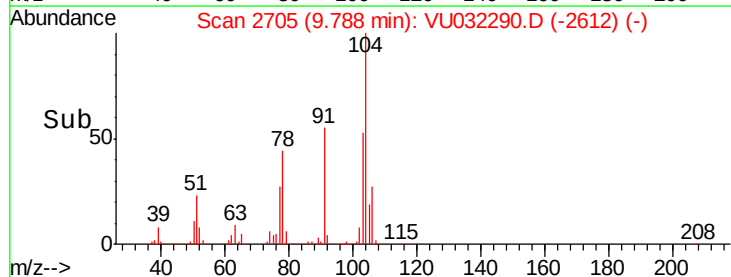
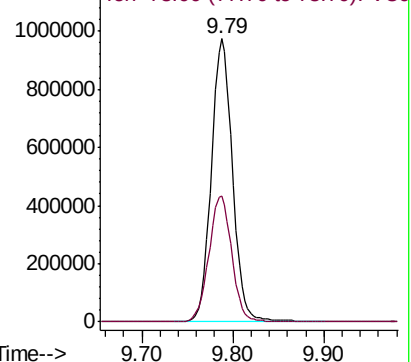
104 100

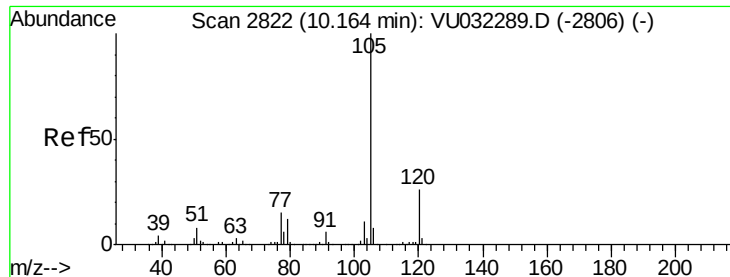
78 44.3 31.1 57.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 95.649 ug/L

RT: 10.16 min Scan# 2821

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

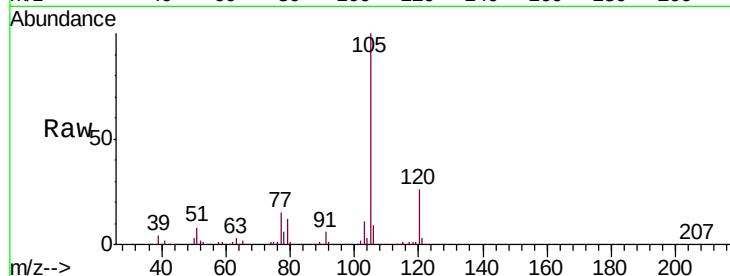
Tgt Ion:105 Resp: 2106550

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

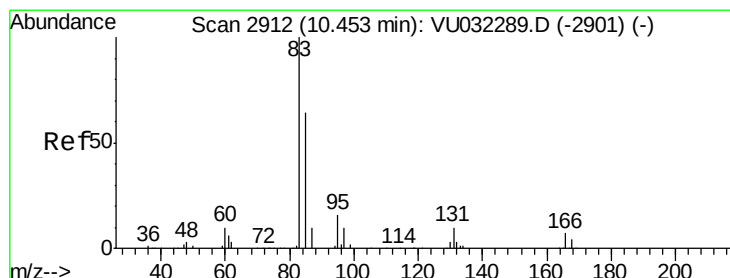
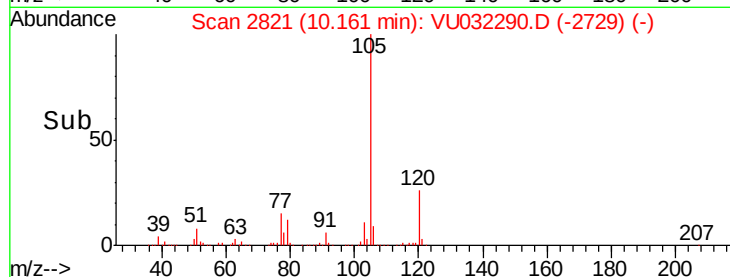
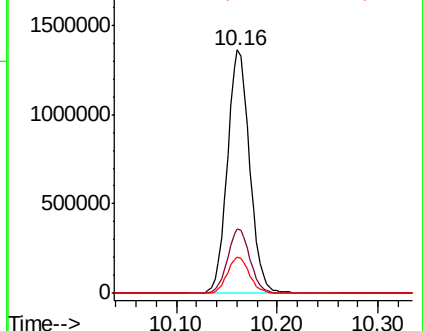
77 14.8 11.8 17.6



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: 111.713 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

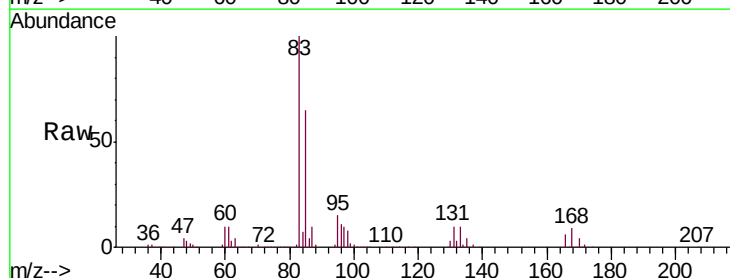
Tgt Ion: 83 Resp: 964243

Ion Ratio Lower Upper

83 100

85 64.6 45.4 84.2

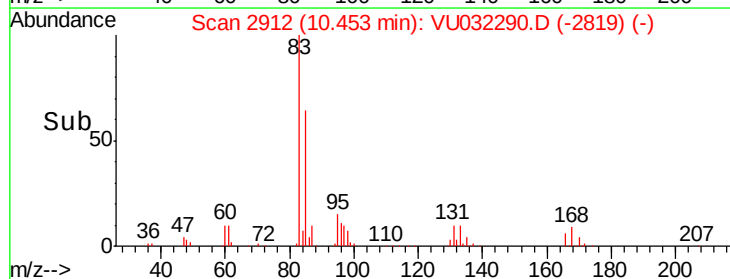
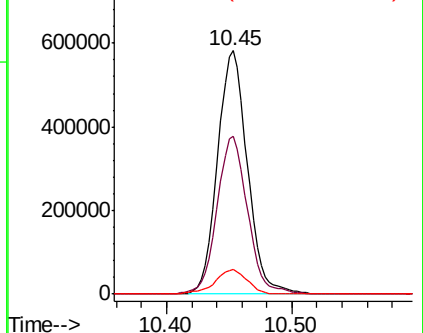
131 9.9 8.4 12.6

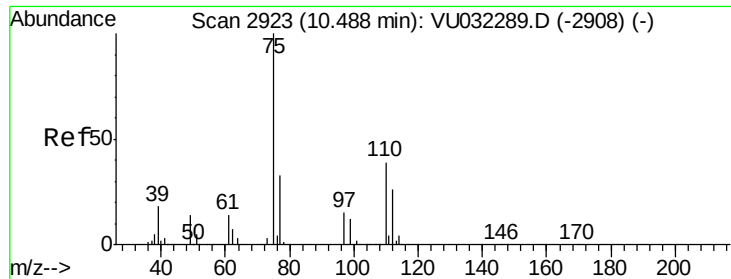


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 115.472 ug/L

RT: 10.49 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

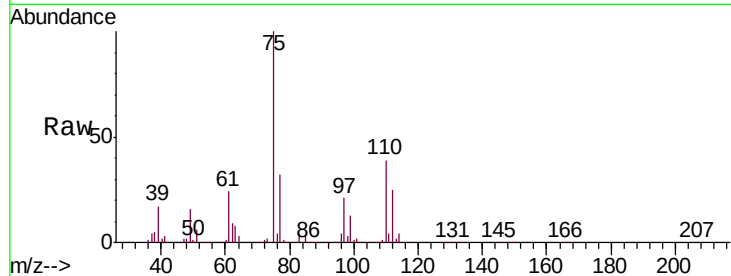
VSTD10055

Tgt Ion: 75 Resp: 763235

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU032289.D (-2908) (-)

Ion 77.00 (76.70 to 77.70): VU032289.D (-2908) (-)

10.49

500000

400000

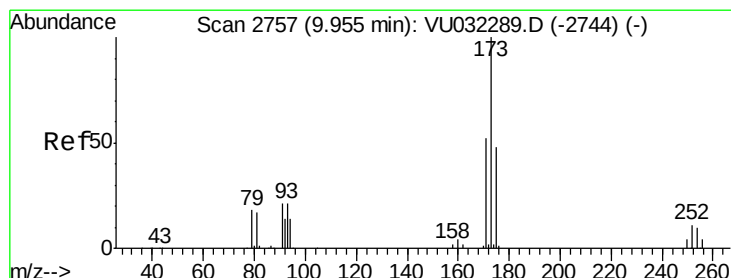
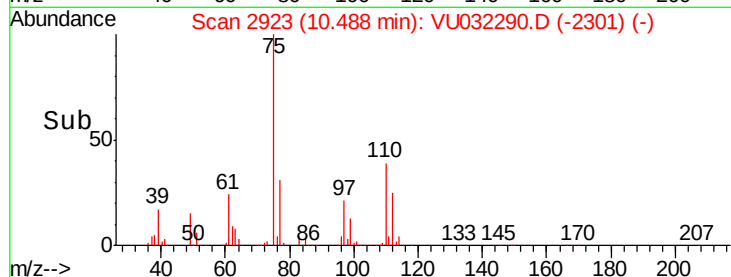
300000

200000

100000

0

Time-->



#61

Bromoform

Concen: 111.652 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

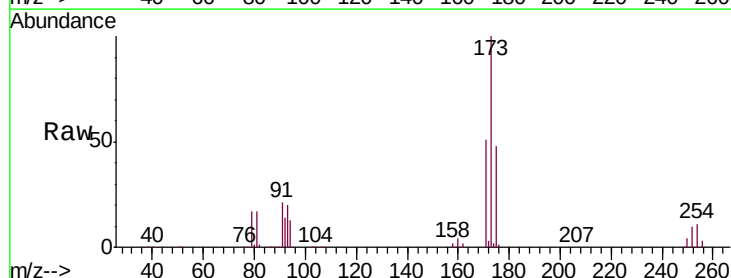
Tgt Ion: 173 Resp: 488519

Ion Ratio Lower Upper

173 100

175 49.0 38.6 57.8

254 10.3 7.8 11.8



Abundance Ion 173.00 (172.70 to 173.70): VU032289.D (-2744) (-)

Ion 175.00 (174.70 to 175.70): VU032289.D (-2744) (-)

Ion 254.00 (253.70 to 254.70): VU032289.D (-2744) (-)

9.95

400000

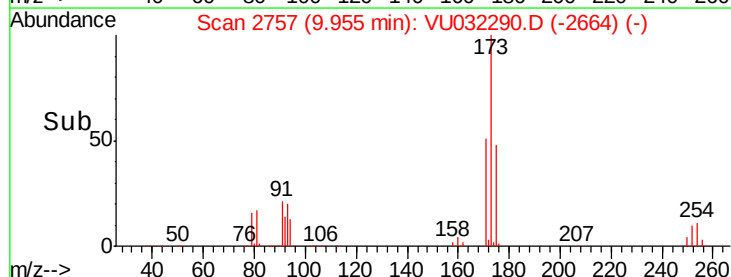
300000

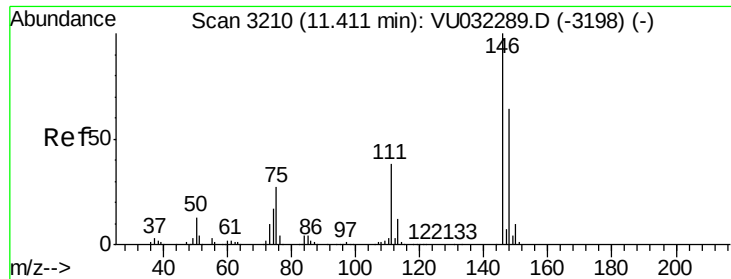
200000

100000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 96.308 ug/L

RT: 11.41 min Scan# 3210

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

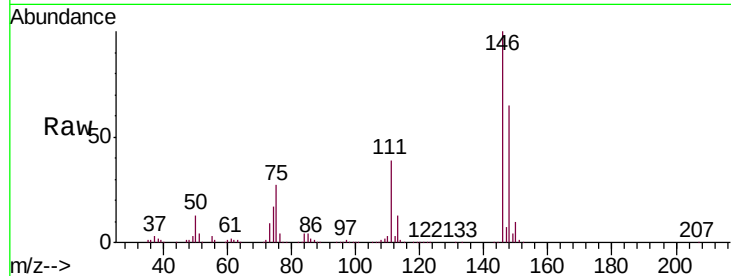
Tgt Ion:146 Resp: 1050752

Ion Ratio Lower Upper

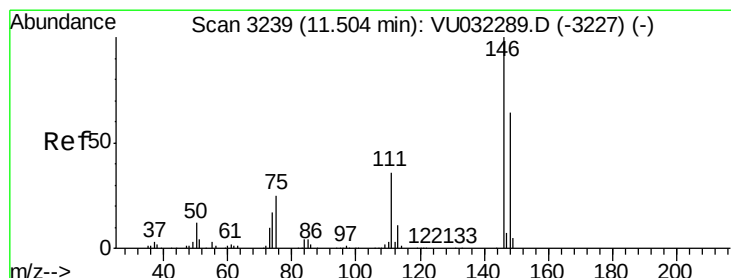
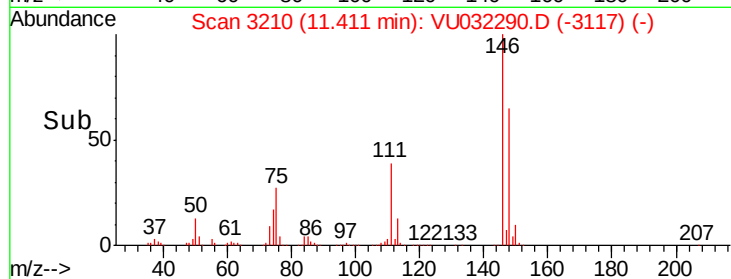
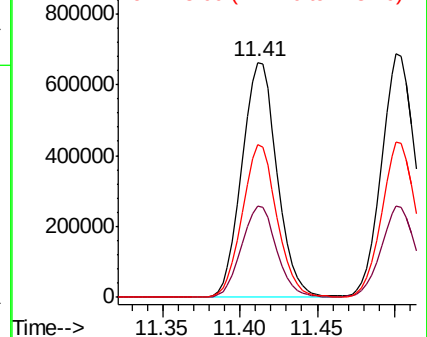
146 100

111 38.8 26.4 49.0

148 64.8 45.1 83.7



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: 93.032 ug/L

RT: 11.50 min Scan# 3238

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

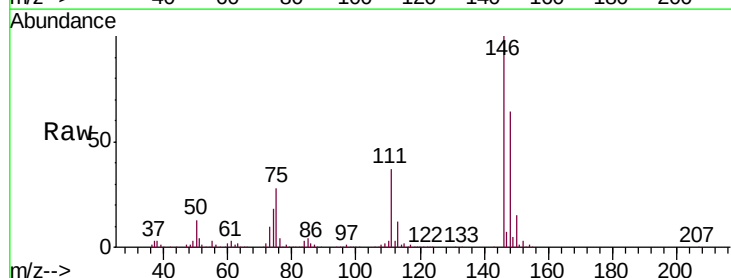
Tgt Ion:146 Resp: 1070064

Ion Ratio Lower Upper

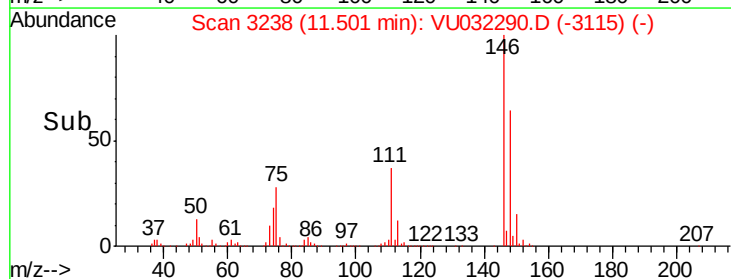
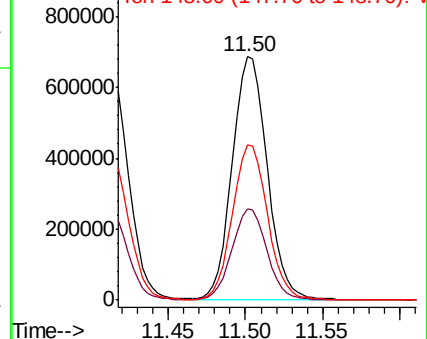
146 100

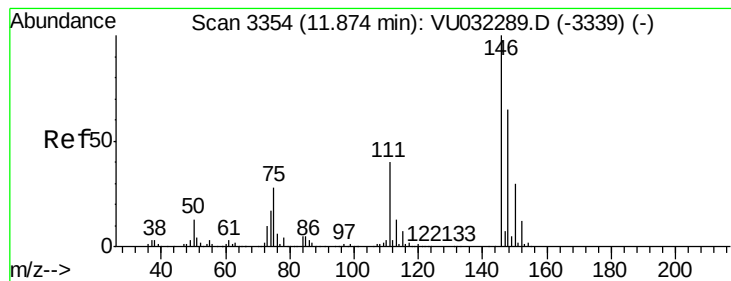
111 37.4 25.3 47.1

148 63.8 44.7 83.1



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: 98.476 ug/L

RT: 11.87 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

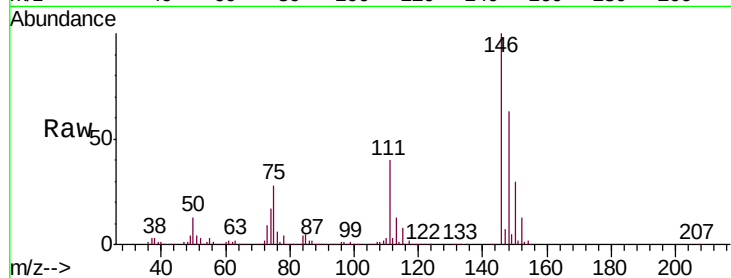
Tgt Ion:146 Resp: 1134247

Ion Ratio Lower Upper

146 100

111 39.5 31.7 47.5

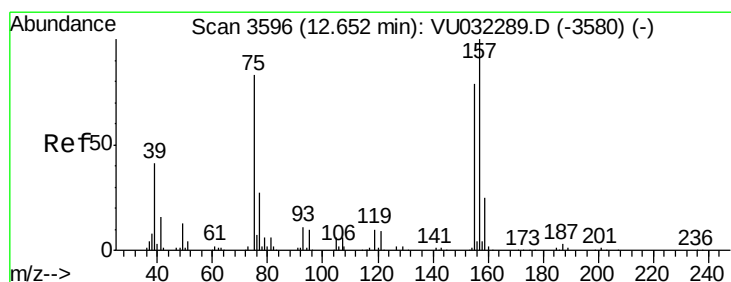
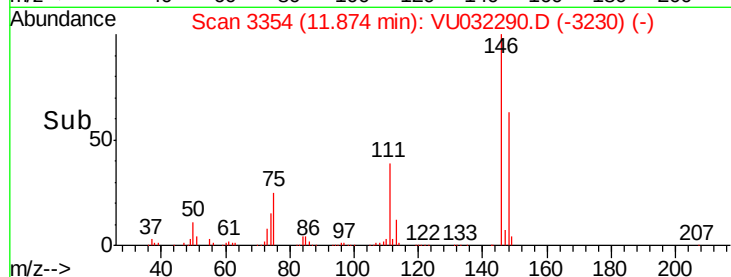
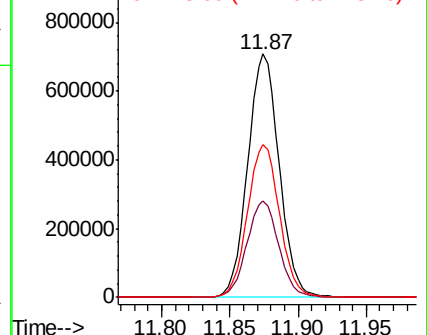
148 62.8 52.2 78.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 118.196 ug/L

RT: 12.65 min Scan# 3596

Delta R.T. 0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

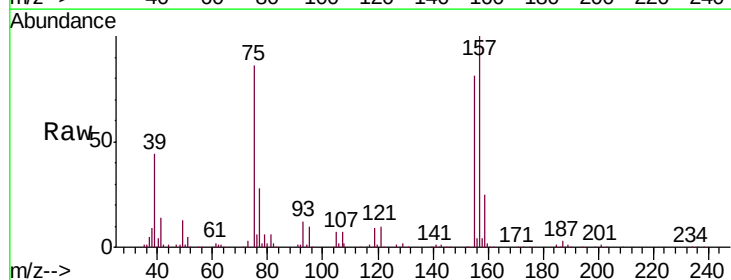
Tgt Ion: 75 Resp: 217760

Ion Ratio Lower Upper

75 100

155 94.0 75.8 113.8

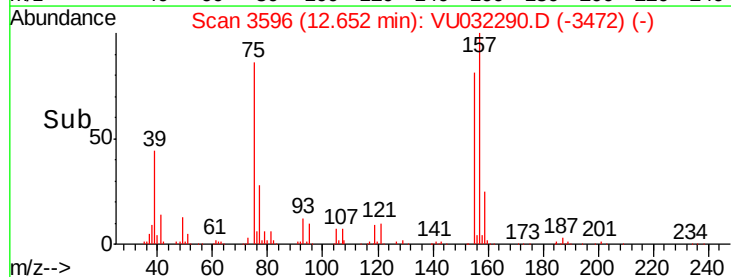
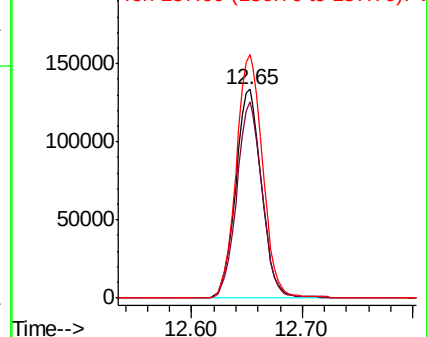
157 116.7 96.4 144.6

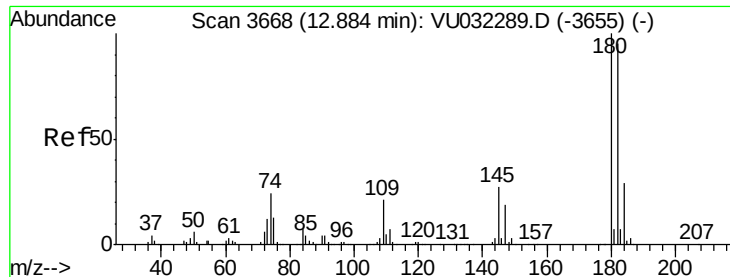


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

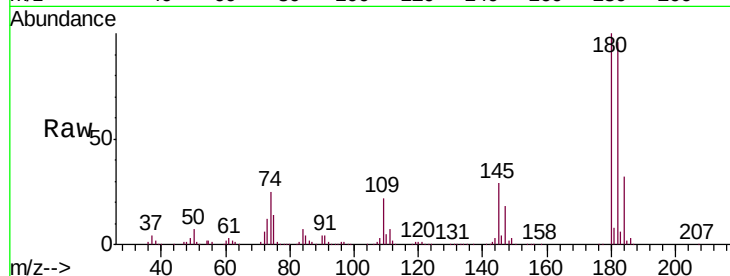




#67
 1,3,5-Trichlorobenzene
 Concen: 92.938 ug/L
 RT: 12.88 min Scan# 3668
 Delta R.T. 0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10055

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.5	113.3
184	31.0	24.2	36.4
145	28.0	22.0	33.0



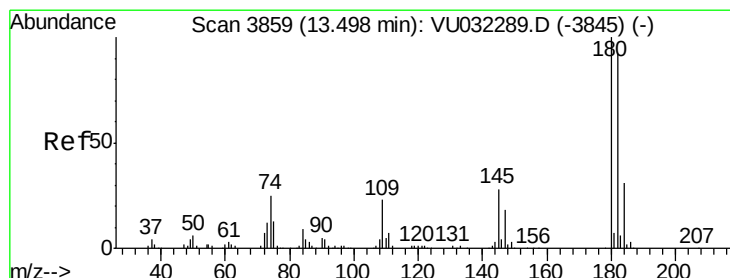
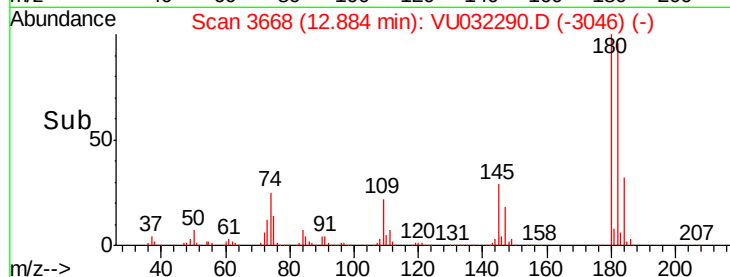
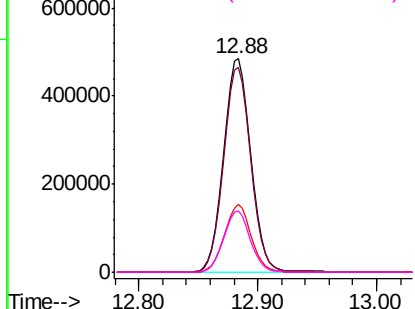
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

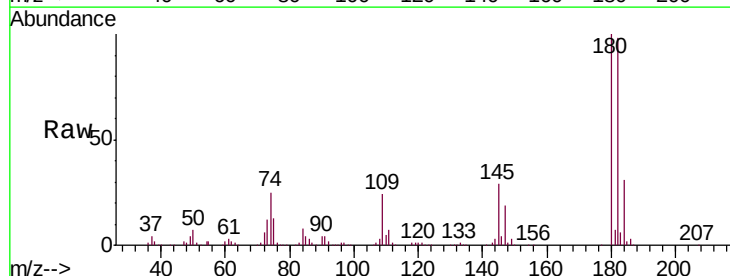
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 104.665 ug/L
 RT: 13.50 min Scan# 3859
 Delta R.T. 0.00 min
 Lab File: VU032290.D
 Acq: 24 May 2019 05:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.3	112.9
145	28.6	23.0	34.6

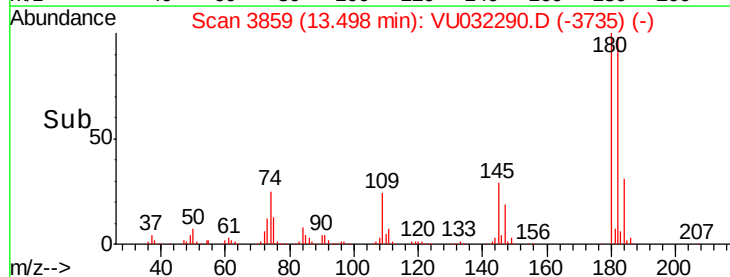
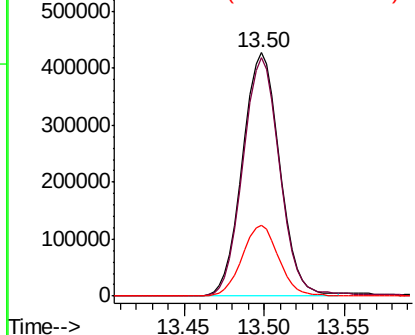


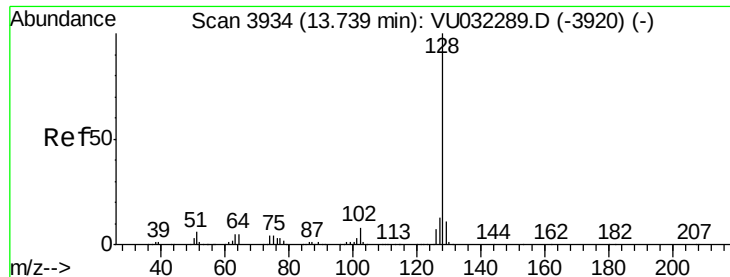
Abundance

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





#69

Naphthalene

Concen: 126.757 ug/L

RT: 13.74 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD10055

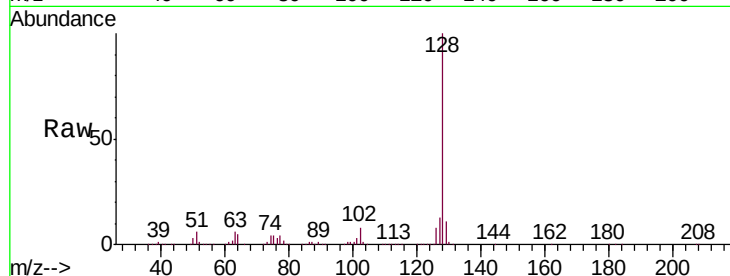
Tgt Ion:128 Resp: 2538328

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

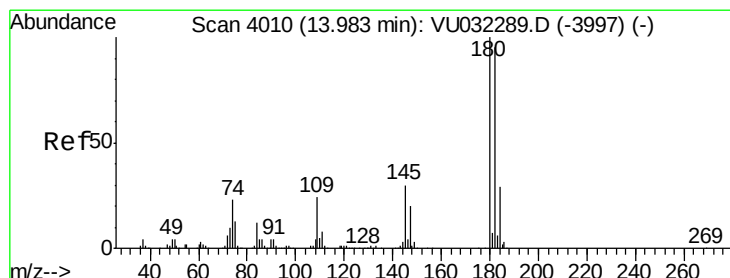
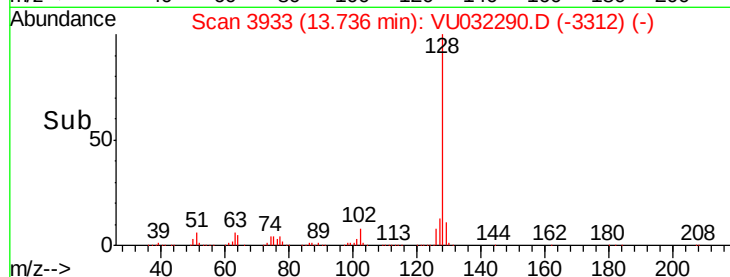
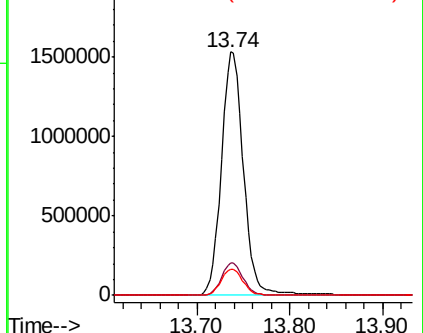
129 10.7 8.3 12.5



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: 102.925 ug/L

RT: 13.98 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VU032290.D

Acq: 24 May 2019 05:07

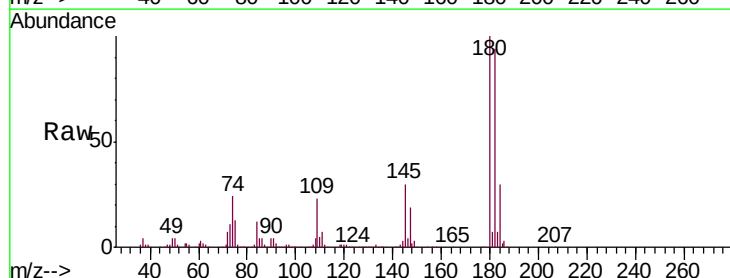
Tgt Ion:180 Resp: 752102

Ion Ratio Lower Upper

180 100

182 95.8 77.2 115.8

145 30.2 23.9 35.9



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

