

Data File : VU032288.D
Acq On : 24 May 2019 04:20
Operator : JC/SP
Sample : VSTD01053
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

Quant Time: May 24 05:11:35 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	653096	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	646361	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	274068	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	35226	8.59	ug/L	0.00
7) Chloroethane-d5	1.67	69	33556	9.21	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	68403	8.69	ug/L	0.00
21) 2-Butanone-d5	4.18	46	57836	20.88	ug/L	0.00
24) Chloroform-d	4.64	84	88309	10.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	56217	11.10	ug/L	0.00
32) Benzene-d6	5.34	84	159726	9.53	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	51429	10.42	ug/L	0.00
41) Toluene-d8	7.56	98	146194	9.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	22031	9.16	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	37391	17.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	84556	10.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	58541	10.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	41664	8.141 ug/L	98
3) Chloromethane	1.33	50	53714	11.427 ug/L	100
5) Vinyl chloride	1.40	62	49347	9.614 ug/L	96
6) Bromomethane	1.61	94	40629	11.219 ug/L	100
8) Chloroethane	1.69	64	33377	10.533 ug/L	93
9) Trichlorofluoromethane	1.88	101	62977	8.838 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	37284	8.787 ug/L	96
12) 1,1-Dichloroethene	2.28	96	39116	9.109 ug/L	92
13) Acetone	2.32	43	57605	21.845 ug/L	98
14) Carbon disulfide	2.47	76	117357	9.350 ug/L	98
15) Methyl Acetate	2.61	43	53523	13.105 ug/L	98
16) Methylene chloride	2.70	84	56950	11.075 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	45319	10.061 ug/L	91
18) Methyl tert-butyl Ether	3.00	73	154476	11.432 ug/L	100
19) 1,1-Dichloroethane	3.44	63	81828	10.495 ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	52898	10.231 ug/L	97
22) 2-Butanone	4.27	43	68064	22.023 ug/L	99
23) Bromochloromethane	4.54	128	28337	10.158 ug/L	90
25) Chloroform	4.67	83	91598	10.715 ug/L	100
27) 1,2-Dichloroethane	5.40	62	72079	11.316 ug/L	97
29) Cyclohexane	4.99	56	50083	8.602 ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	66219	9.699 ug/L	96
31) Carbon tetrachloride	5.13	117	53547	9.030 ug/L	98
33) Benzene	5.39	78	188494	10.375 ug/L	100
34) Trichloroethene	6.19	95	47021	9.782 ug/L	95
35) Methylcyclohexane	6.41	83	53840	7.700 ug/L	98
37) 1,2-Dichloropropane	6.43	63	50381	11.193 ug/L	# 92
38) Bromodichloromethane	6.75	83	67697	10.939 ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	67675	9.726 ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	126174	23.662 ug/L	95

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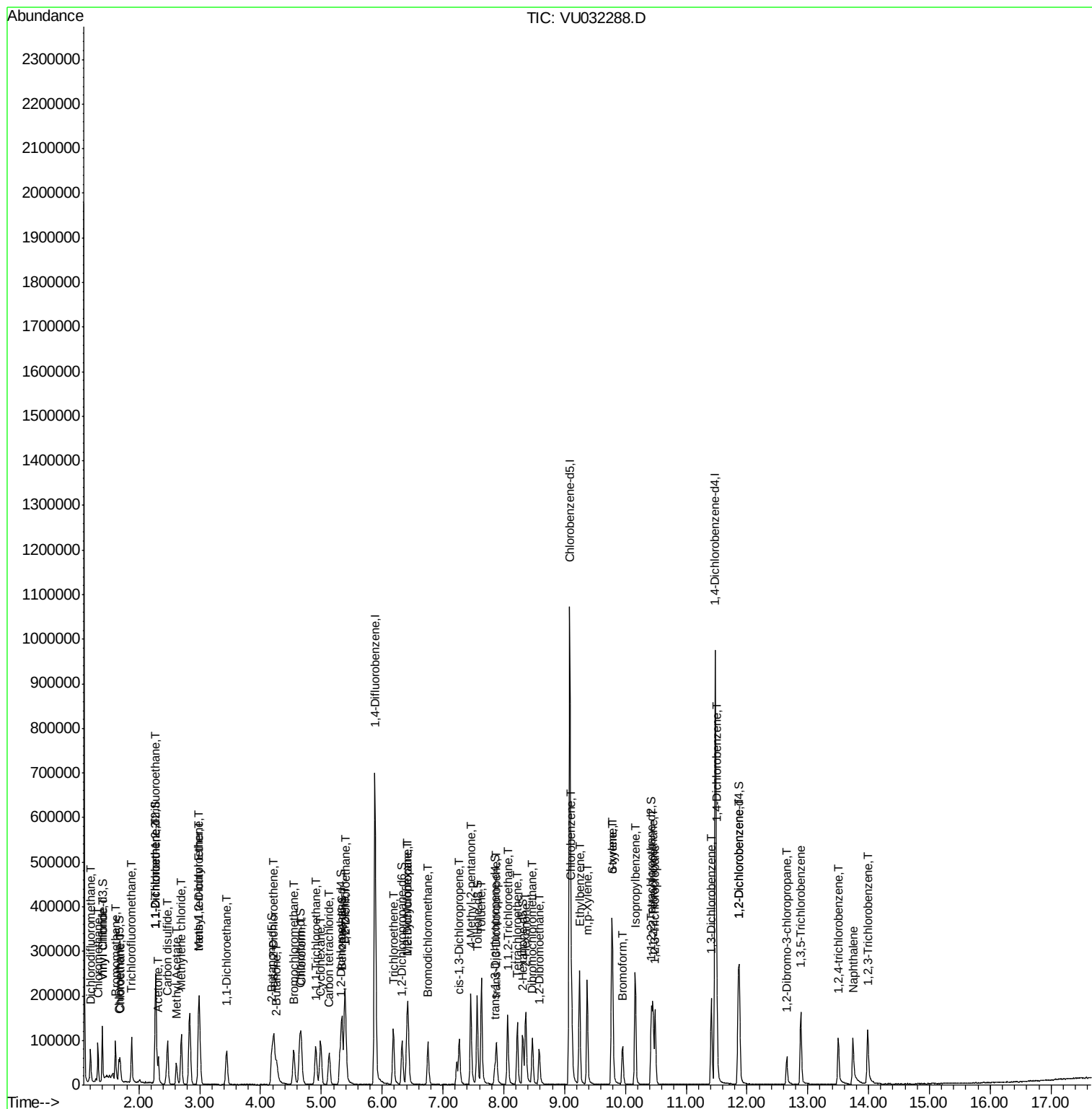
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.63	91	191012	9.610	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	58289	9.395	ug/L	93
45) 1,1,2-Trichloroethane	8.06	97	54021	11.047	ug/L	96
46) Tetrachloroethene	8.22	164	34853	8.989	ug/L	97
48) 2-Hexanone	8.36	43	95975	21.159	ug/L	99
49) Dibromochloromethane	8.47	129	55124	10.576	ug/L	99
50) 1,2-Dibromoethane	8.58	107	56492	10.941	ug/L	96
51) Chlorobenzene	9.12	112	131743	9.814	ug/L	97
52) Ethylbenzene	9.25	91	184115	8.684	ug/L	99
53) m,p-Xylene	9.37	106	70530	8.480	ug/L	97
54) o-xylene	9.77	106	74612	9.034	ug/L	94
55) Styrene	9.79	104	118305	8.319	ug/L	98
56) Isopropylbenzene	10.16	105	168882	8.042	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	89339	10.855	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	71581	11.358	ug/L	98
61) Bromoform	9.95	173	42076	11.808	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	89166	10.035	ug/L	94
63) 1,4-Dichlorobenzene	11.50	146	94261	10.063	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	96002	10.235	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	18015	12.007	ug/L	92
67) 1,3,5-Trichlorobenzene	12.89	180	59967	8.878	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	41792	7.920	ug/L	94
69) Naphthalene	13.74	128	110742	6.791	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	48905	8.218	ug/L	96

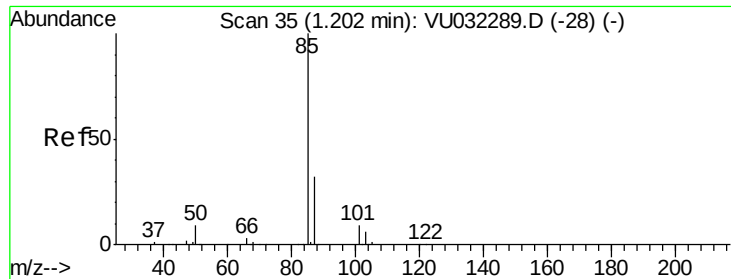
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 8.141 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

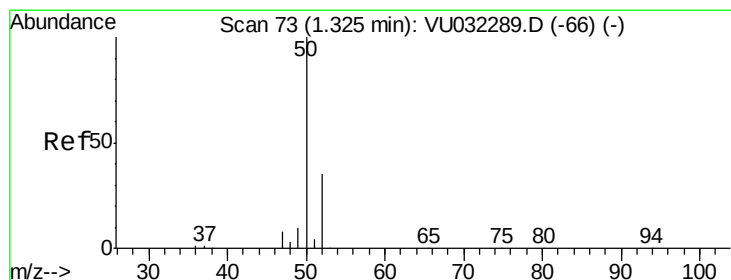
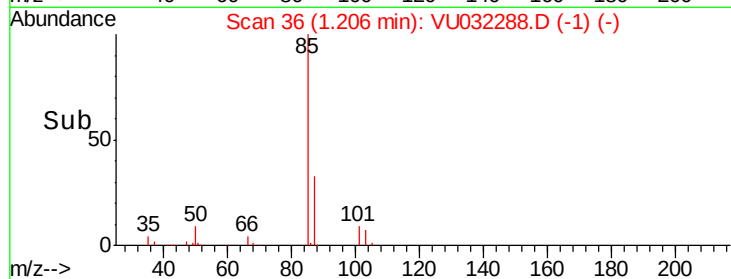
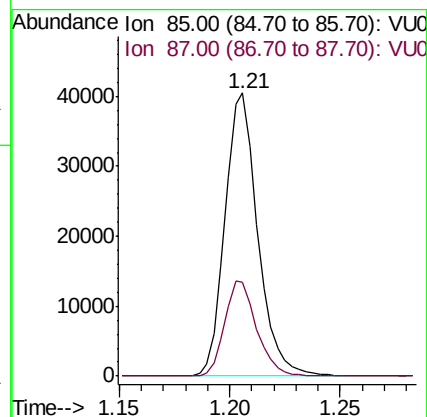
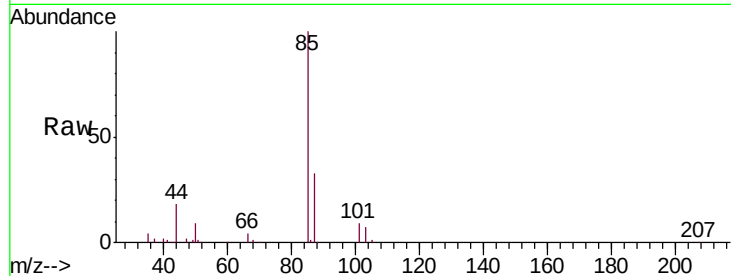
VSTD01053

Tgt Ion: 85 Resp: 41664

Ion Ratio Lower Upper

85 100

87 32.8 25.3 37.9



#3

Chloromethane

Concen: 11.427 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU032288.D

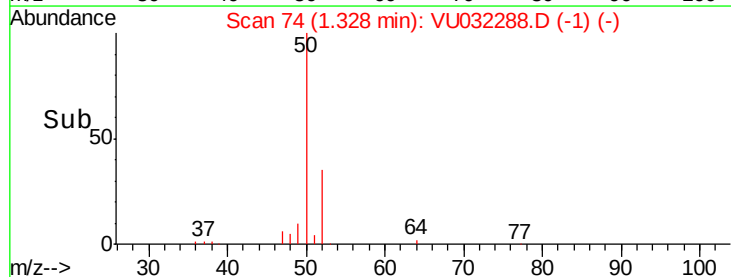
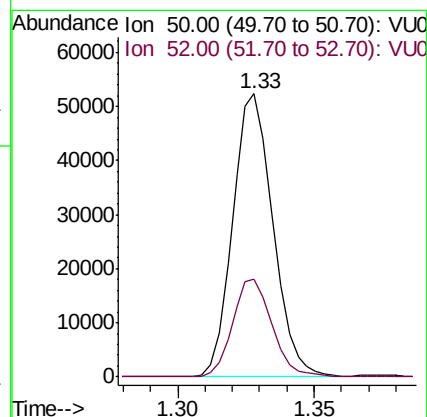
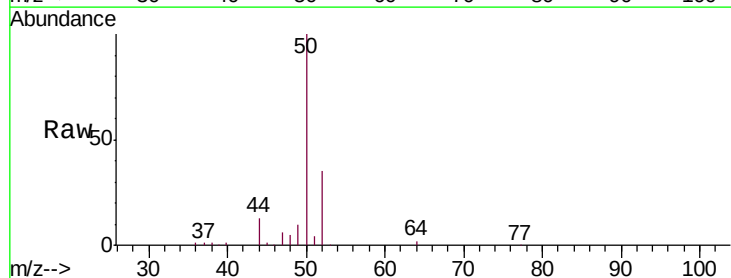
Acq: 24 May 2019 04:20

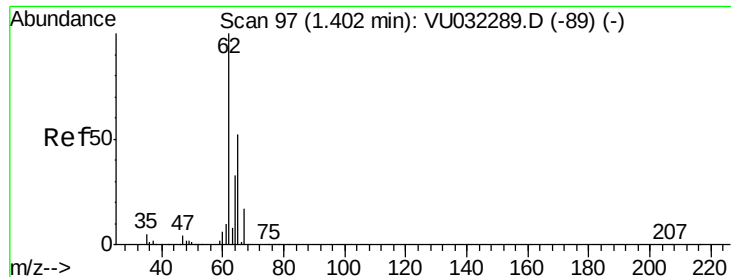
Tgt Ion: 50 Resp: 53714

Ion Ratio Lower Upper

50 100

52 34.7 24.2 45.0





#5

Vinyl chloride

Concen: 9.614 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

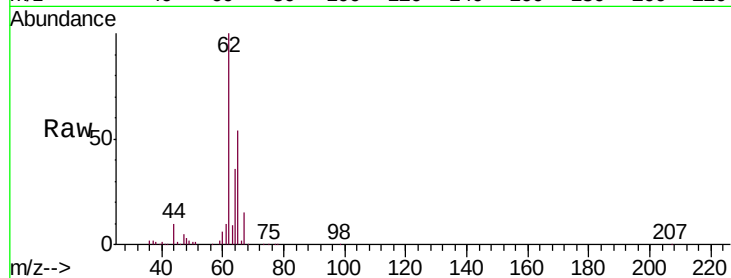
VSTD01053

Tgt Ion: 62 Resp: 49347

Ion Ratio Lower Upper

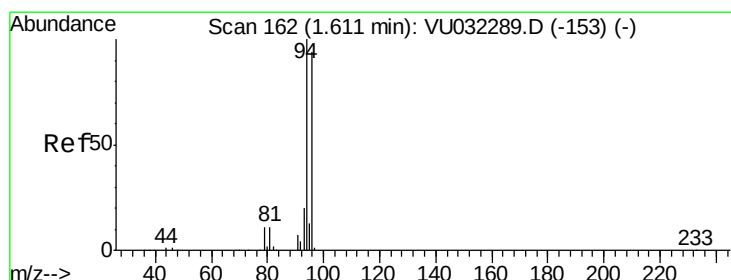
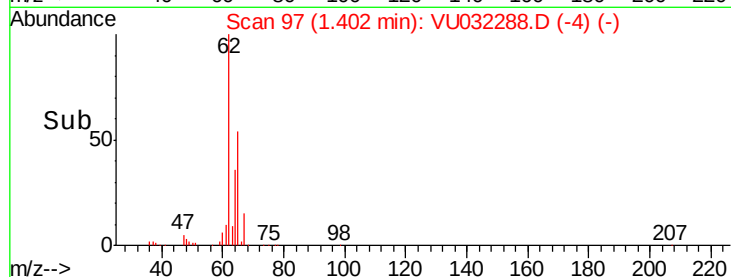
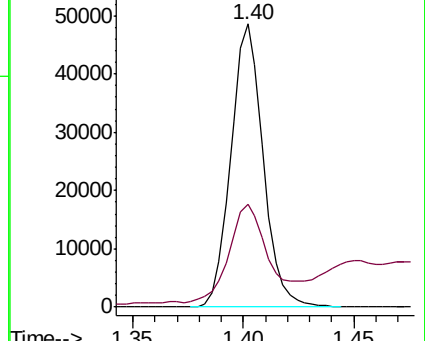
62 100

64 36.3 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU032288.D (-89) (-)

Ion 64.00 (63.70 to 64.70): VU032288.D (-89) (-)



#6

Bromomethane

Concen: 11.219 ug/L

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU032288.D

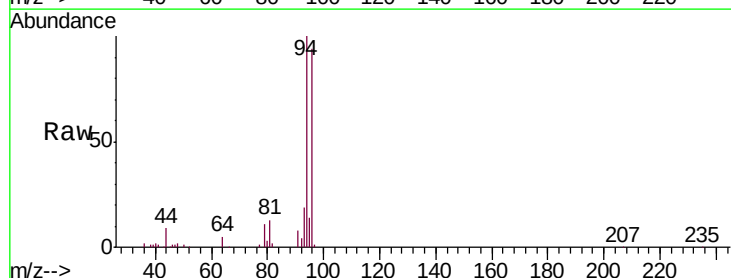
Acq: 24 May 2019 04:20

Tgt Ion: 94 Resp: 40629

Ion Ratio Lower Upper

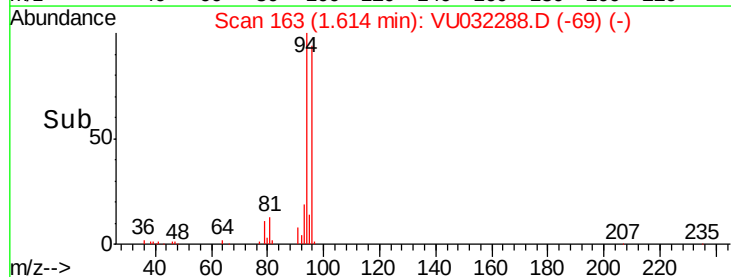
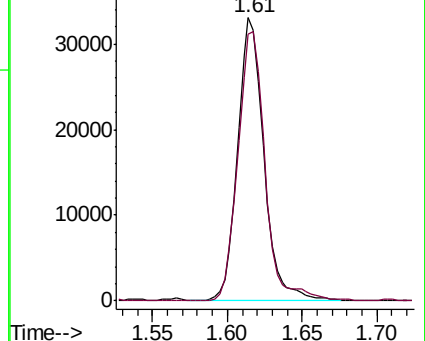
94 100

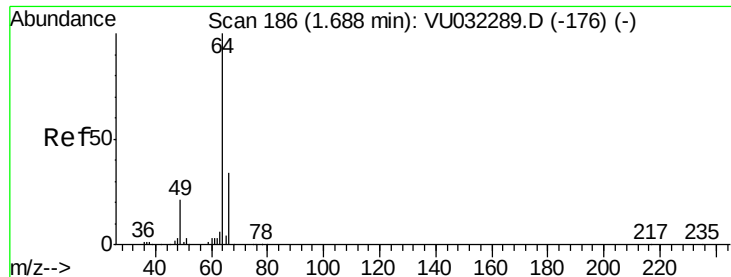
96 94.0 66.0 122.6



Abundance Ion 94.00 (93.70 to 94.70): VU032288.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU032288.D (-153) (-)





#8

Chloroethane

Concen: 10.533 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

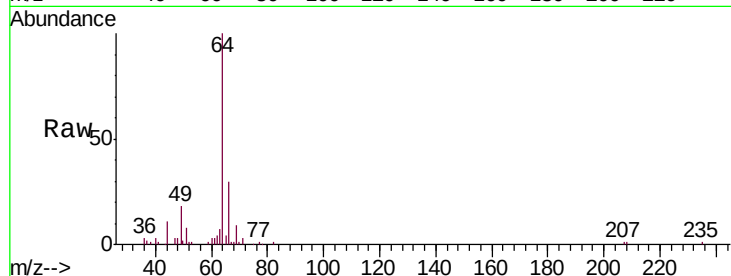
VSTD01053

Tgt Ion: 64 Resp: 33377

Ion Ratio Lower Upper

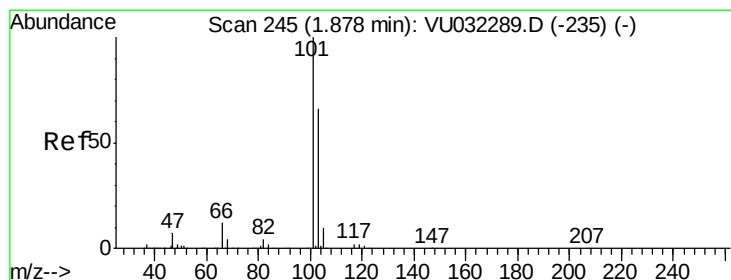
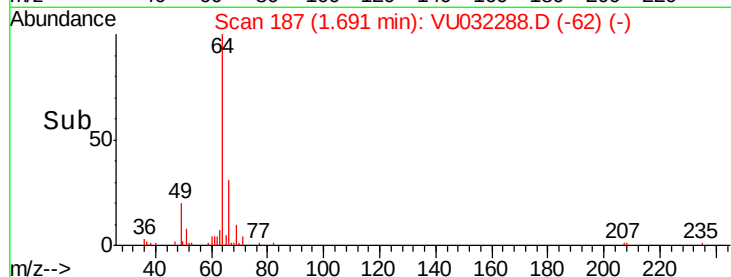
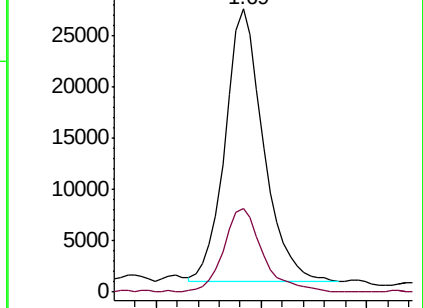
64 100

66 29.6 23.4 43.6



Abundance Ion 64.00 (63.70 to 64.70): VU032288.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU032288.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 8.838 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU032288.D

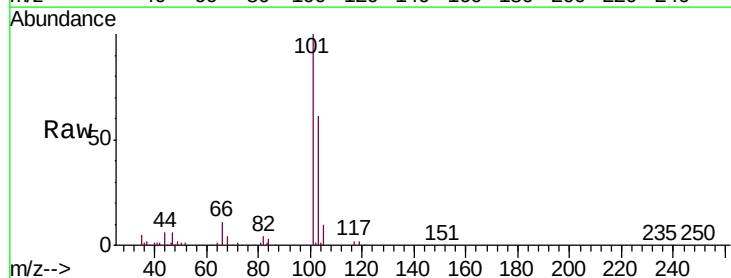
Acq: 24 May 2019 04:20

Tgt Ion: 101 Resp: 62977

Ion Ratio Lower Upper

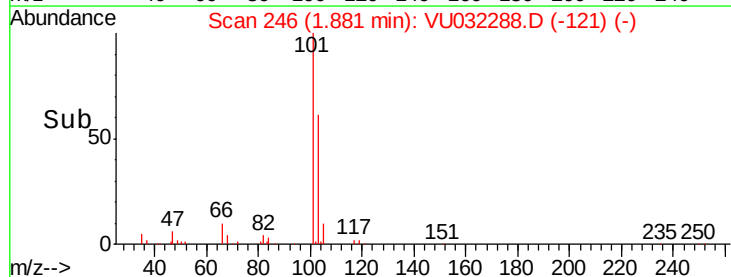
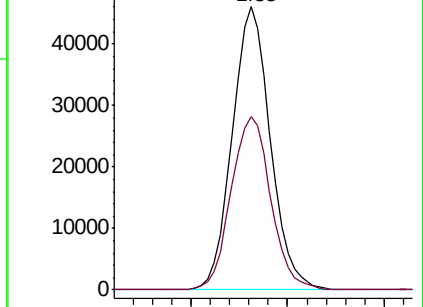
101 100

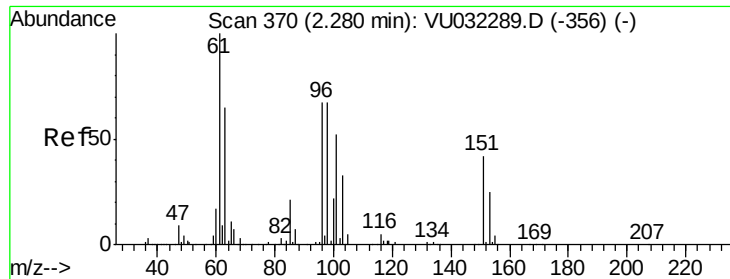
103 63.8 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU032288.D (-235) (-)

Ion 103.00 (102.70 to 103.70): VU032288.D (-235) (-)





#10

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

Concen: 8.787 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

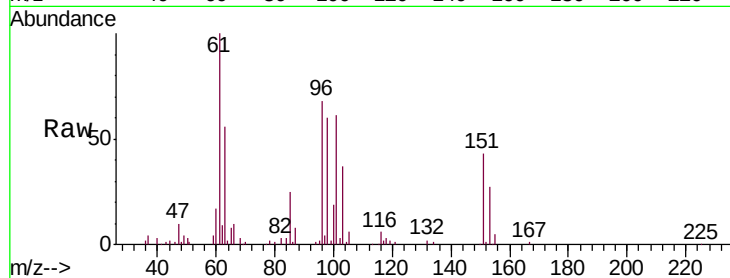
Tgt Ion: 101 Resp: 37284

Ion Ratio Lower Upper

101 100

85 40.8 32.8 49.2

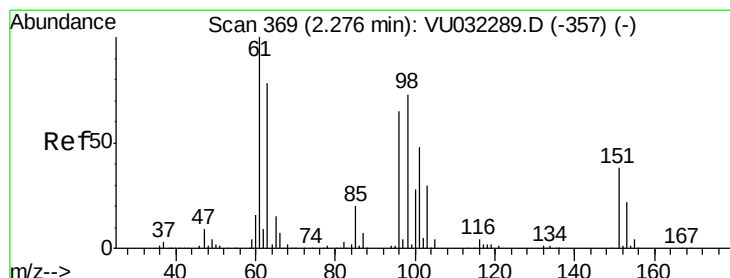
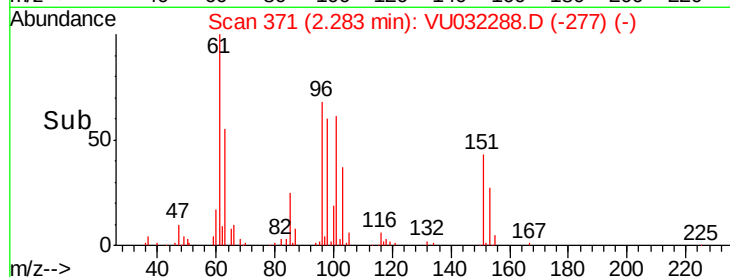
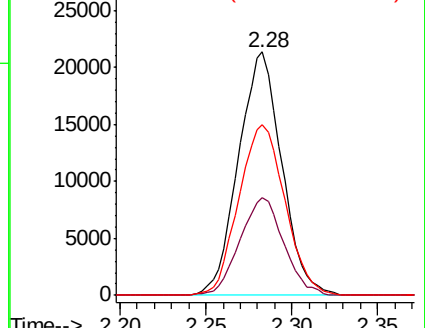
151 74.8 63.5 95.3



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: 9.109 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

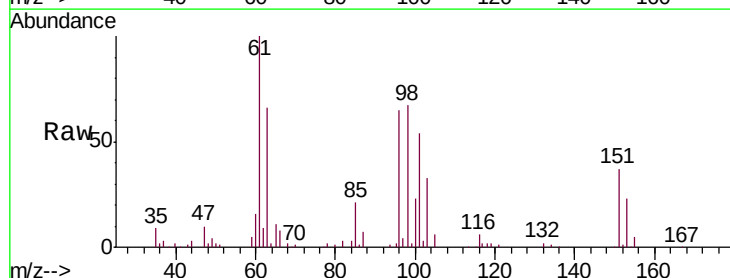
Tgt Ion: 96 Resp: 39116

Ion Ratio Lower Upper

96 100

61 153.8 108.0 200.6

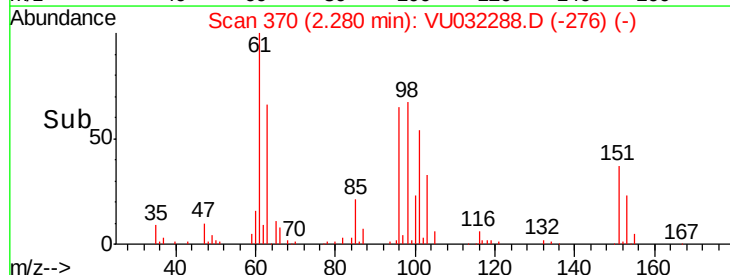
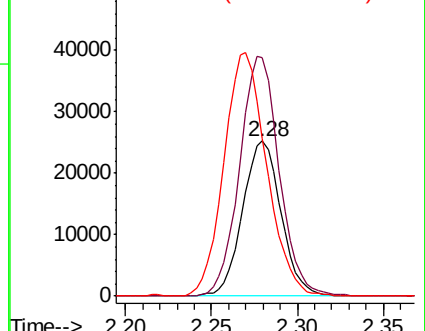
63 102.0 85.5 158.7

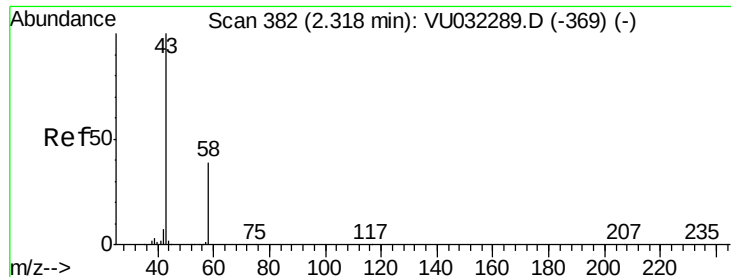


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 21.845 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

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ClientSampleId :

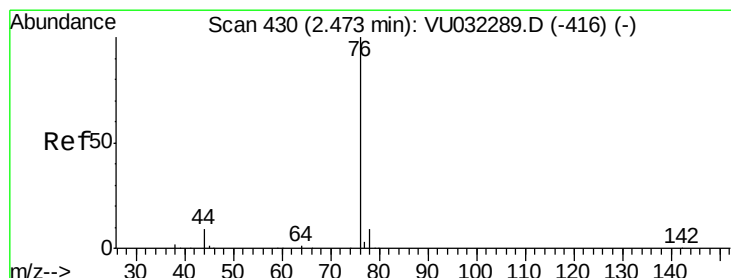
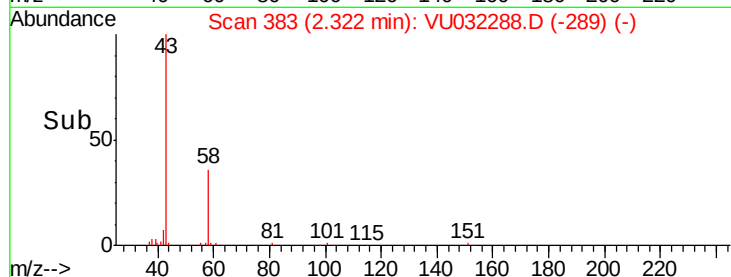
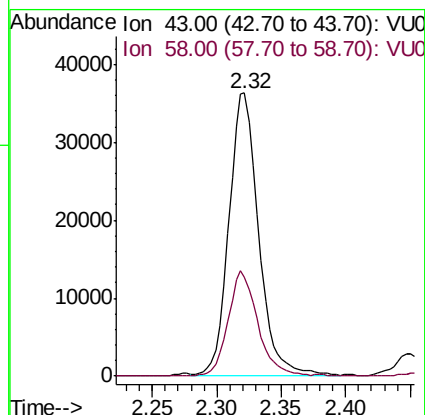
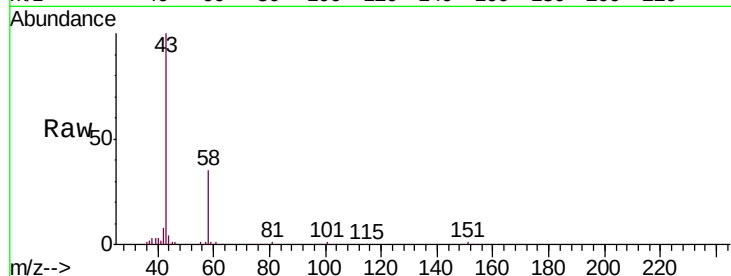
VSTD01053

Tgt Ion: 43 Resp: 57605

Ion Ratio Lower Upper

43 100

58 37.5 0.0 77.2



#14

Carbon disulfide

Concen: 9.350 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU032288.D

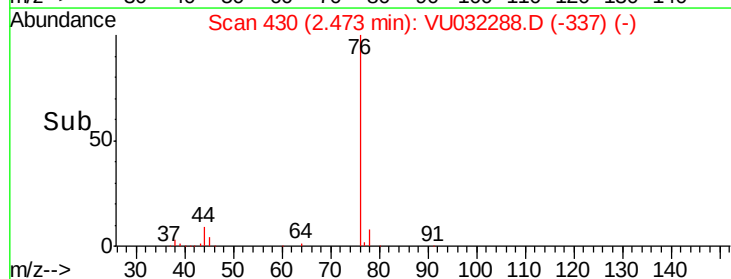
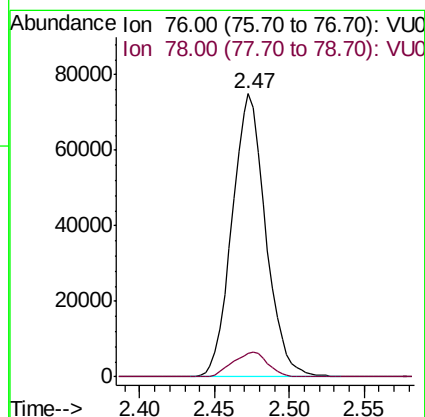
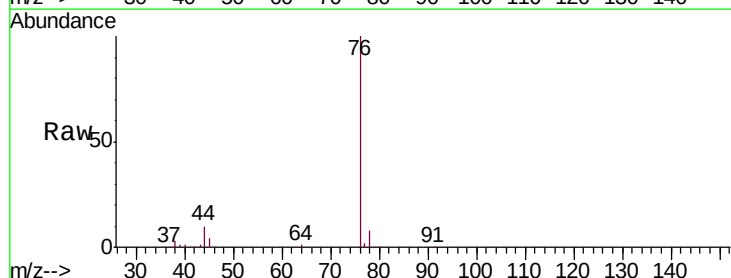
Acq: 24 May 2019 04:20

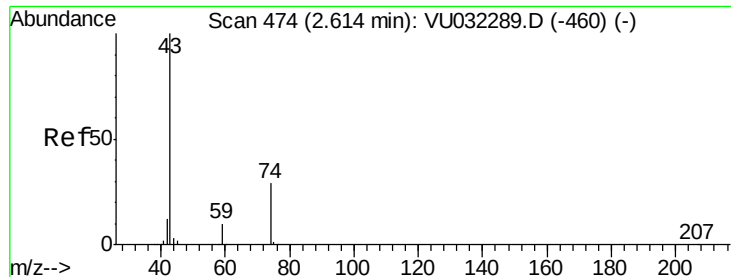
Tgt Ion: 76 Resp: 117357

Ion Ratio Lower Upper

76 100

78 8.3 7.3 10.9





#15

Methyl Acetate

Concen: 13.105 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

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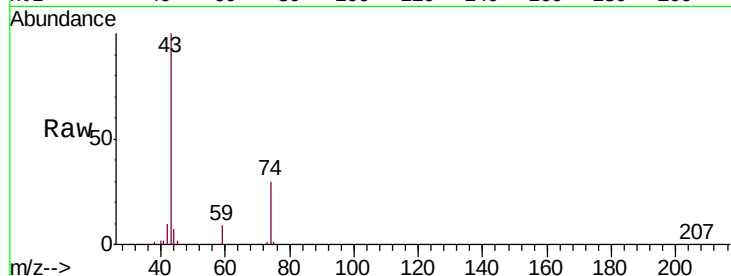
VSTD01053

Tgt Ion: 43 Resp: 53523

Ion Ratio Lower Upper

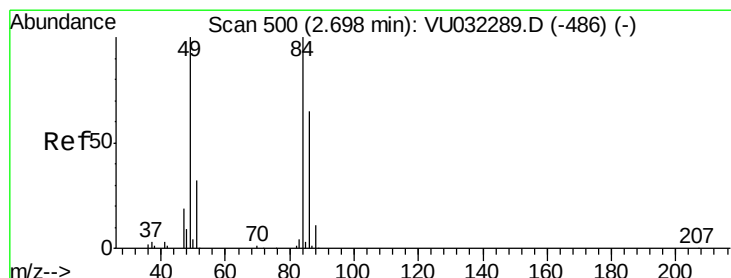
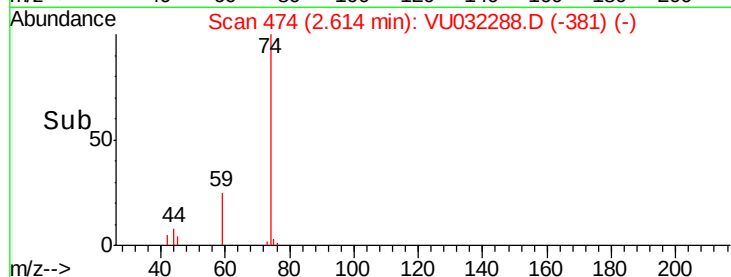
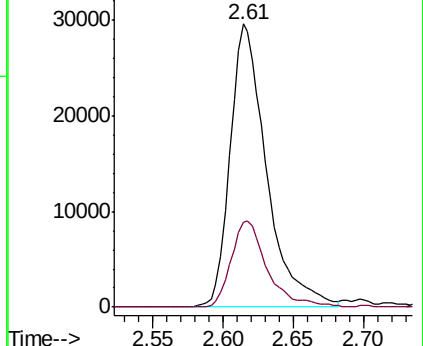
43 100

74 30.0 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU032289.D (-460) (-)

Ion 74.00 (73.70 to 74.70): VU032289.D (-460) (-)



#16

Methylene chloride

Concen: 11.075 ug/L

RT: 2.70 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

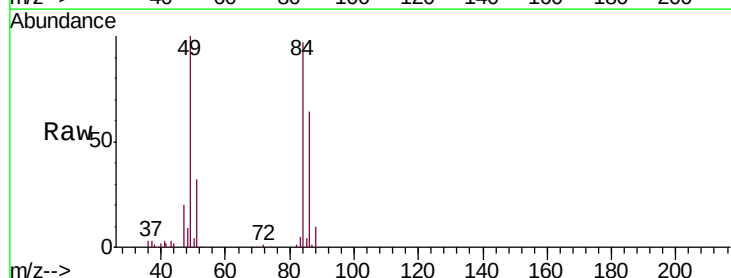
Tgt Ion: 84 Resp: 56950

Ion Ratio Lower Upper

84 100

86 65.3 45.7 84.9

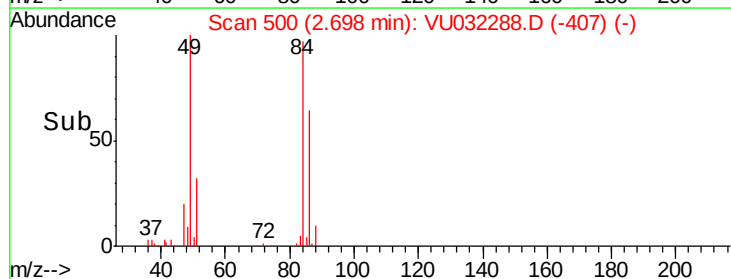
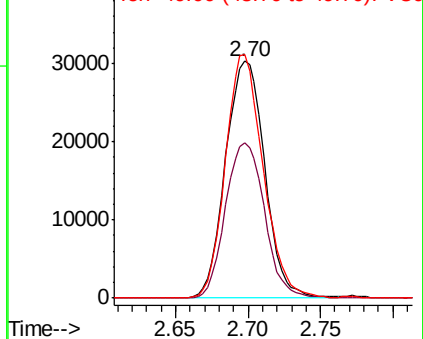
49 102.7 70.0 130.0

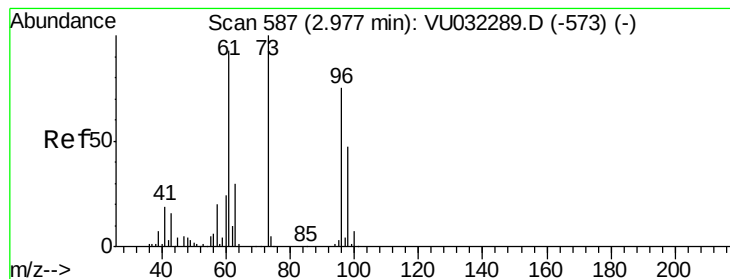


Abundance Ion 84.00 (83.70 to 84.70): VU032289.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032289.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU032289.D (-486) (-)





#17

trans-1,2-Dichloroethene

Concen: 10.061 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

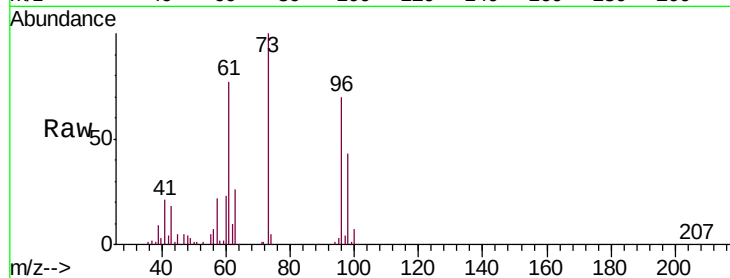
Tgt Ion: 96 Resp: 45319

Ion Ratio Lower Upper

96 100

61 109.9 86.5 160.7

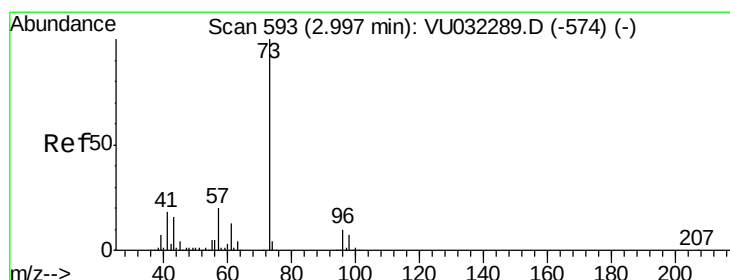
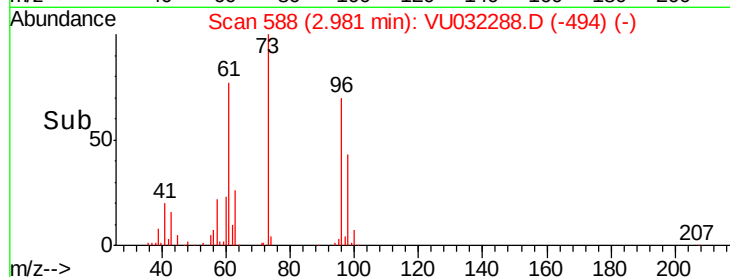
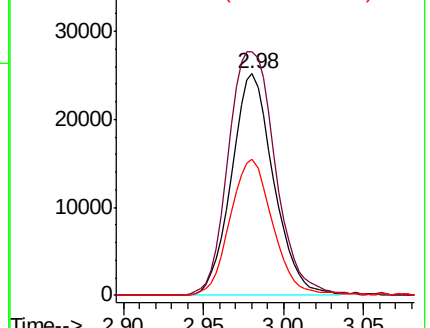
98 61.6 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VU032288.D (-573) (-)

Ion 61.00 (60.70 to 61.70): VU032288.D (-573) (-)

Ion 98.00 (97.70 to 98.70): VU032288.D (-573) (-)



#18

Methyl tert-butyl Ether

Concen: 11.432 ug/L

RT: 3.00 min Scan# 593

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

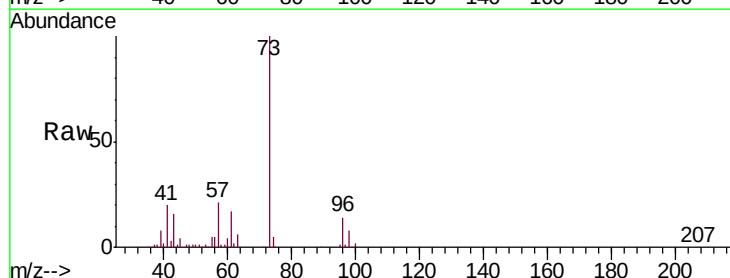
Tgt Ion: 73 Resp: 154476

Ion Ratio Lower Upper

73 100

43 16.4 13.2 19.8

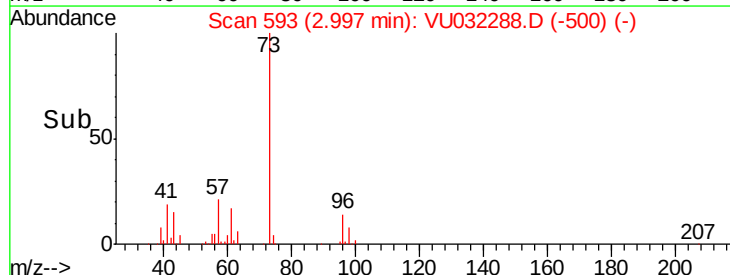
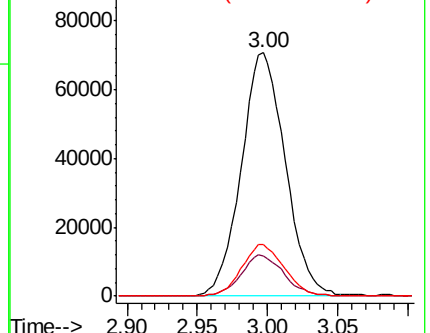
57 20.4 16.5 24.7

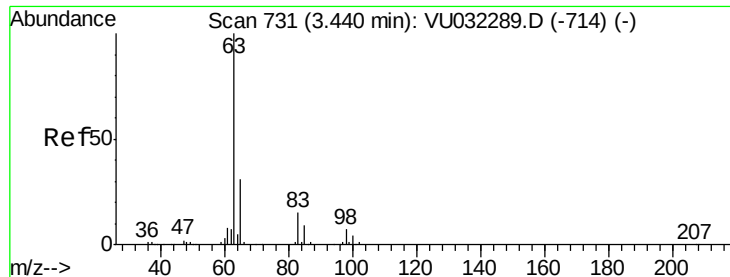


Abundance Ion 73.00 (72.70 to 73.70): VU032288.D (-574) (-)

Ion 43.00 (42.70 to 43.70): VU032288.D (-574) (-)

Ion 57.00 (56.70 to 57.70): VU032288.D (-574) (-)

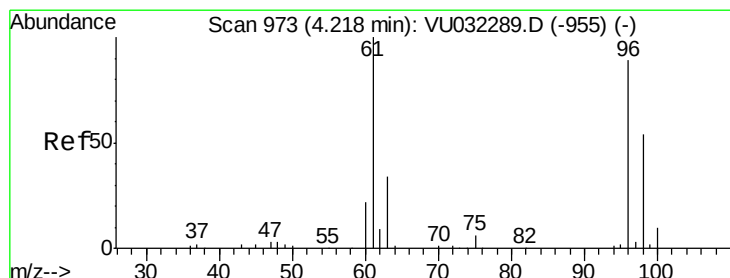
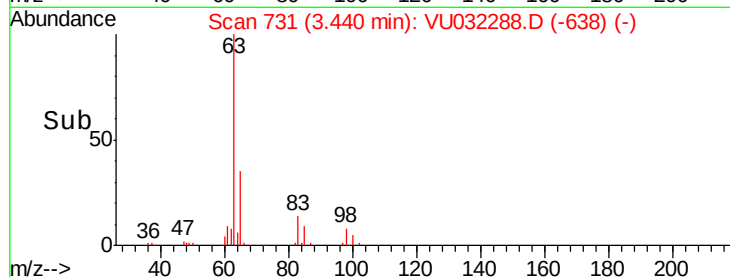
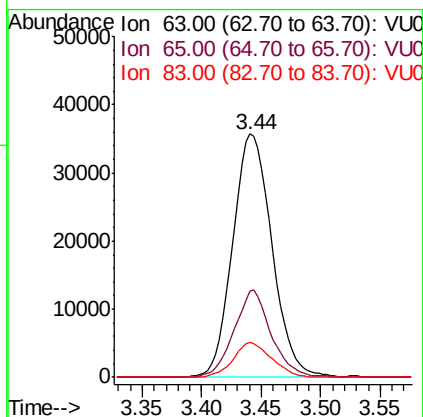
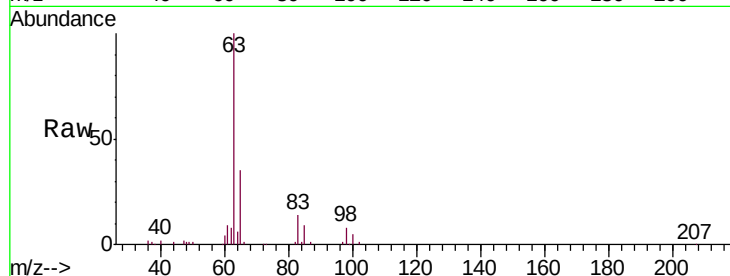




#19
 1,1-Dichloroethane
 Concen: 10.495 ug/L
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

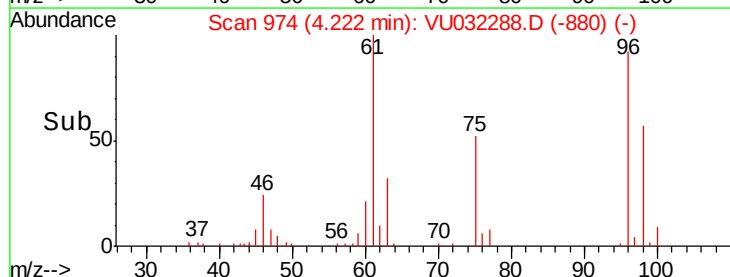
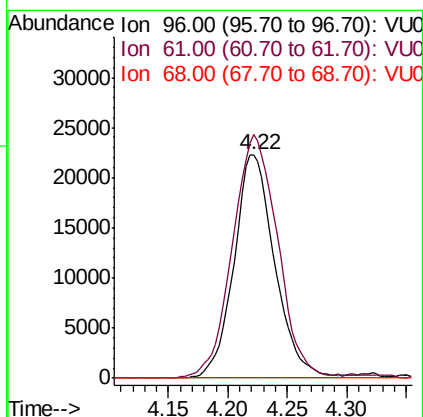
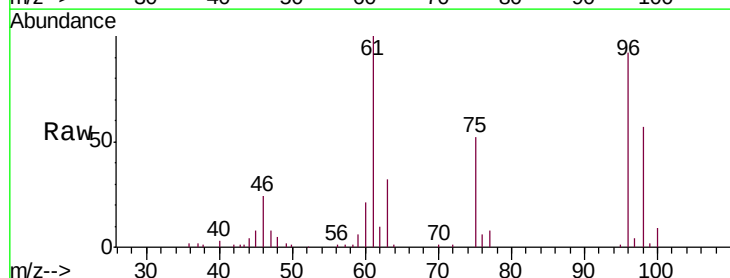
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

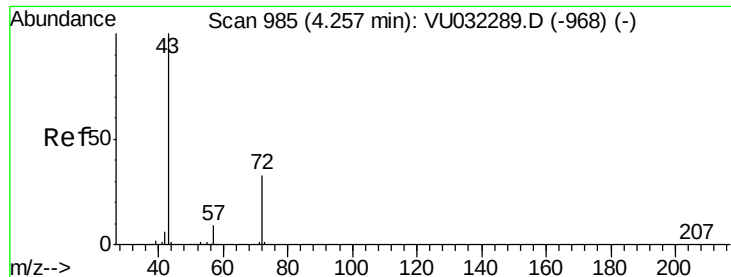
Tgt Ion:	63	Resp:	81828
Ion	Ratio	Lower	Upper
63	100		
65	35.5	21.6	40.0
83	14.3	10.3	19.1



#20
 cis-1,2-Dichloroethene
 Concen: 10.231 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Tgt Ion:	96	Resp:	52898
Ion	Ratio	Lower	Upper
96	100		
61	108.8	78.5	145.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 22.023 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.01 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

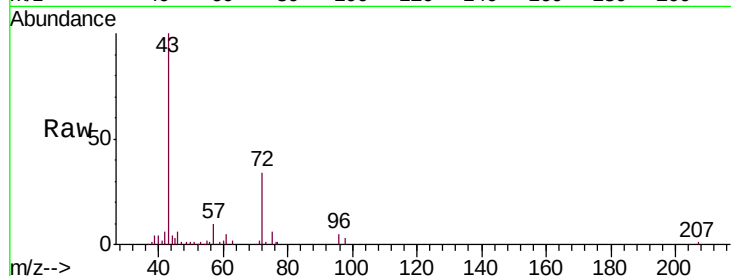
Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

Tgt Ion: 43 Resp: 68064

Ion Ratio Lower Upper

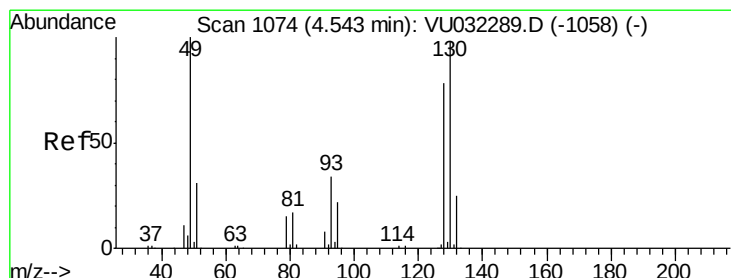
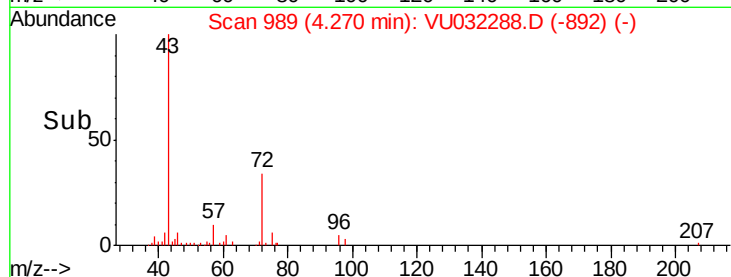
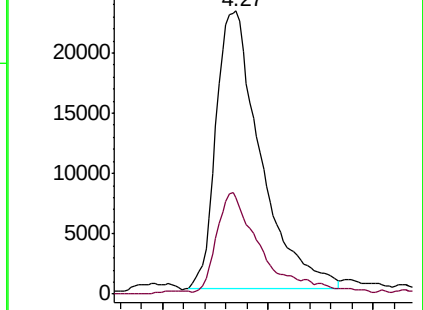
43 100

72 32.5 16.6 49.7



Abundance Ion 43.00 (42.70 to 43.70): VU032288.D (-989) (-)

Ion 72.00 (71.70 to 72.70): VU032288.D (-989) (-)



#23

Bromochloromethane

Concen: 10.158 ug/L

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Tgt Ion: 128 Resp: 28337

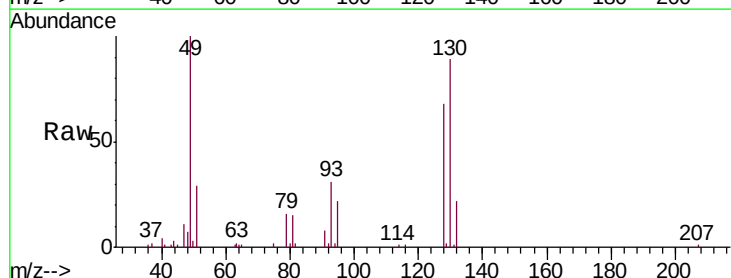
Ion Ratio Lower Upper

128 100

49 147.0 89.5 166.1

130 130.7 87.4 162.2

51 43.1 31.6 47.4

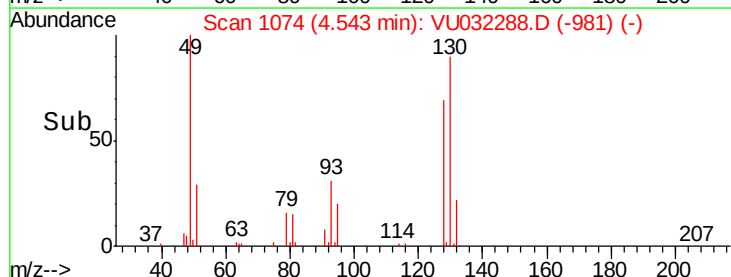
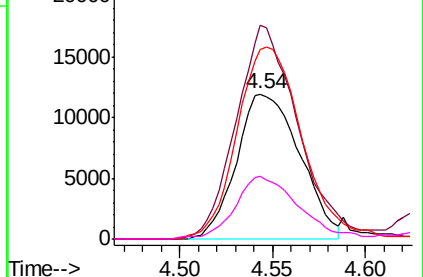


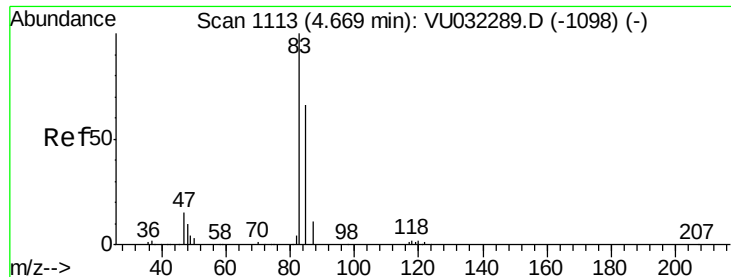
Abundance Ion 128.00 (127.70 to 128.70): VU032288.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VU032288.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VU032288.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VU032288.D (-981) (-)





#25

Chloroform

Concen: 10.715 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

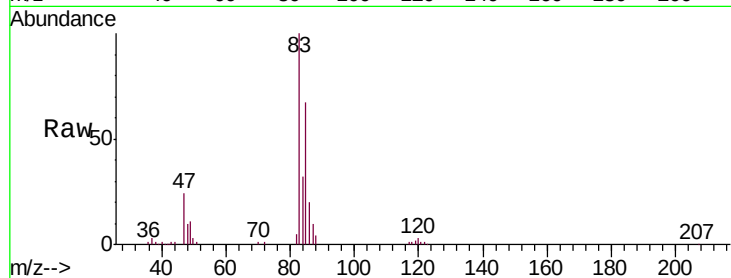
VSTD01053

Tgt Ion: 83 Resp: 91598

Ion Ratio Lower Upper

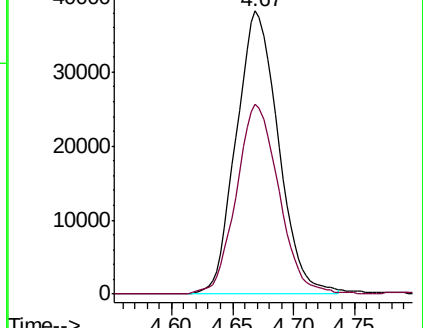
83 100

85 66.9 46.8 87.0

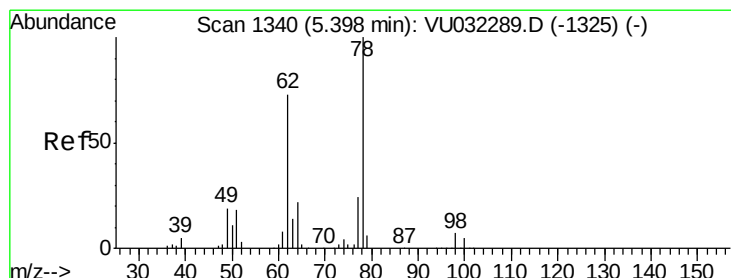
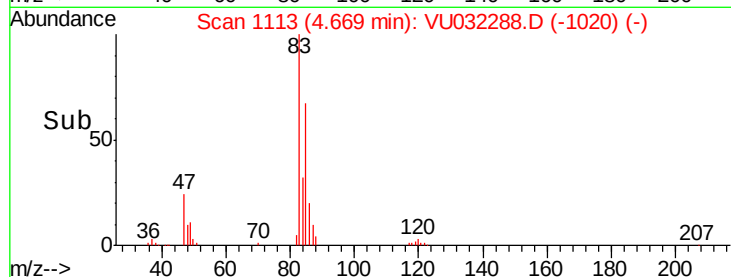


Abundance Ion 83.00 (82.70 to 83.70): VU032288.D (-1098) (-)

Ion 85.00 (84.70 to 85.70): VU032288.D (-1098) (-)



Time-->



#27

1,2-Dichloroethane

Concen: 11.316 ug/L

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU032288.D

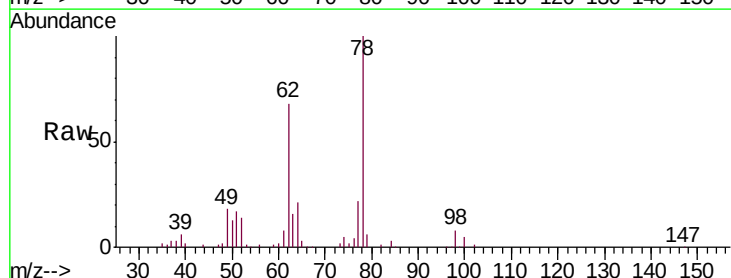
Acq: 24 May 2019 04:20

Tgt Ion: 62 Resp: 72079

Ion Ratio Lower Upper

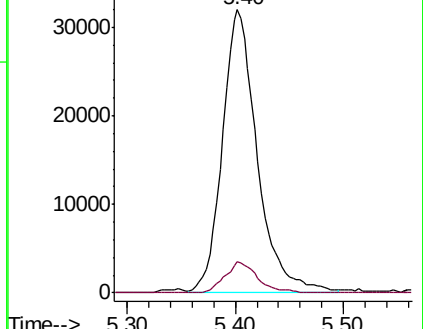
62 100

98 11.1 7.9 11.9

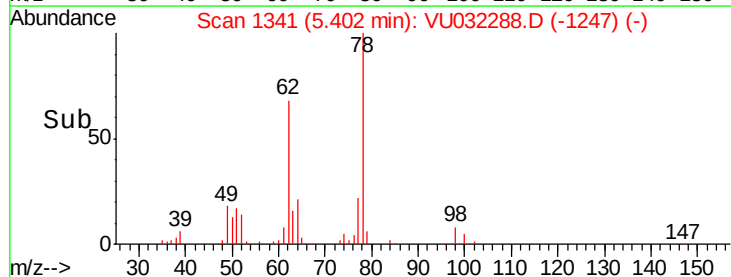


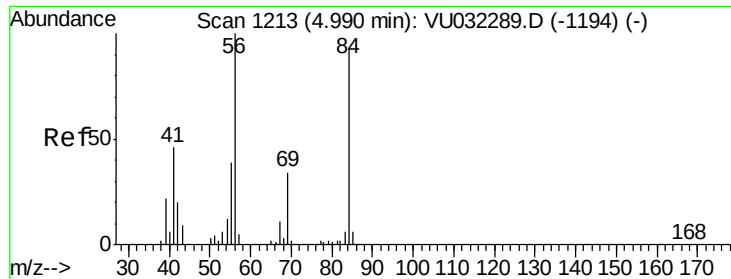
Abundance Ion 62.00 (61.70 to 62.70): VU032288.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VU032288.D (-1247) (-)



Time-->

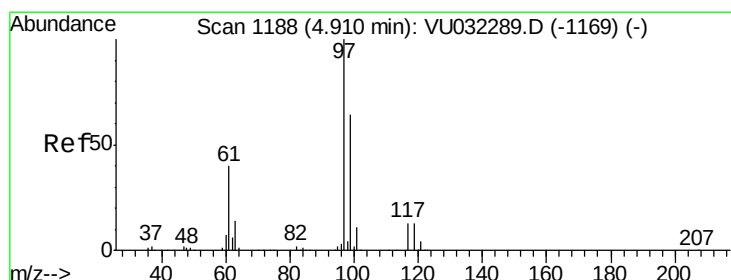
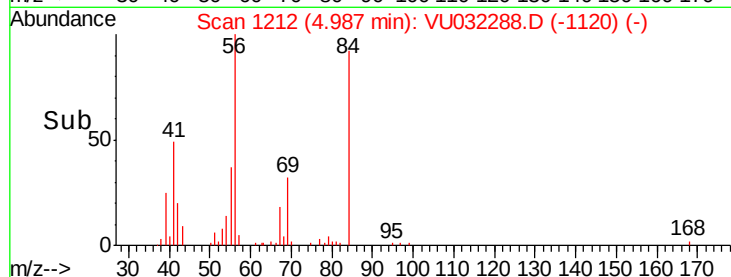
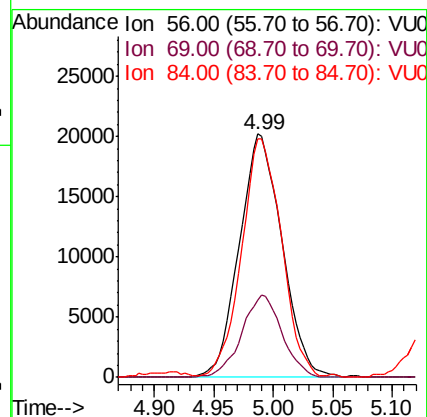
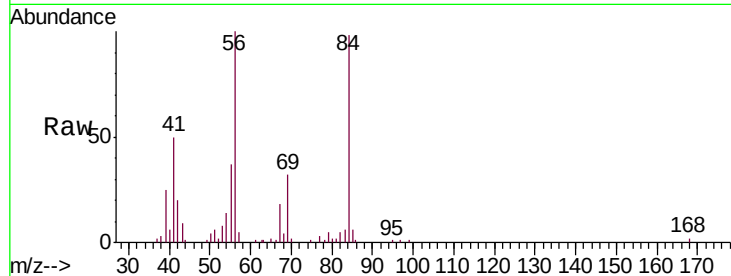




#29
Cyclohexane
Concen: 8.602 ug/L
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU032288.D
Acq: 24 May 2019 04:20

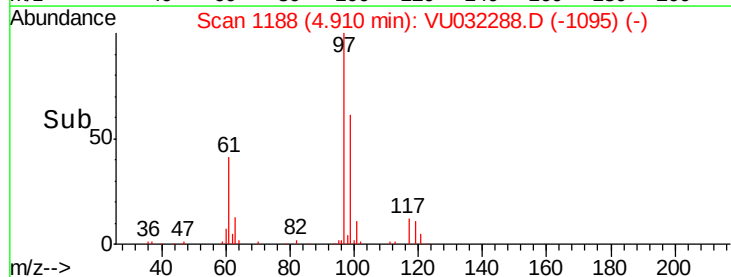
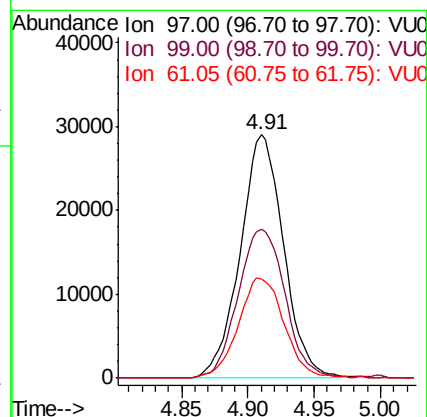
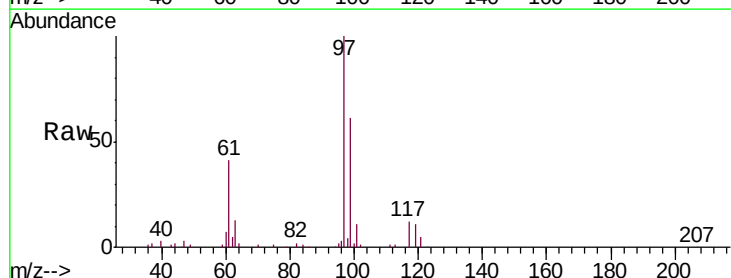
Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

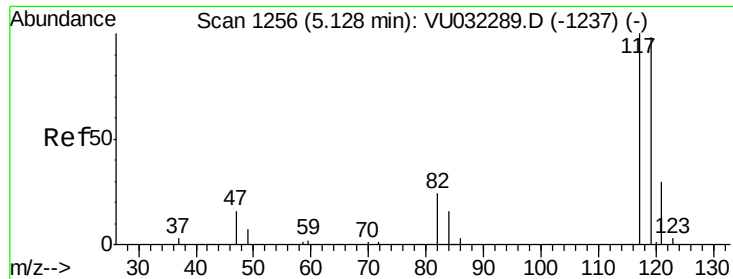
Tgt Ion: 56 Resp: 50083
Ion Ratio Lower Upper
56 100
69 31.9 26.6 40.0
84 91.5 73.8 110.8



#30
1,1,1-Trichloroethane
Concen: 9.699 ug/L
RT: 4.91 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU032288.D
Acq: 24 May 2019 04:20

Tgt Ion: 97 Resp: 66219
Ion Ratio Lower Upper
97 100
99 66.2 51.2 76.8
61 43.4 32.2 48.4





#31

Carbon tetrachloride

Concen: 9.030 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

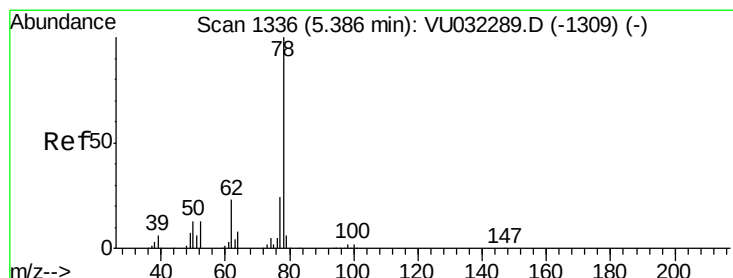
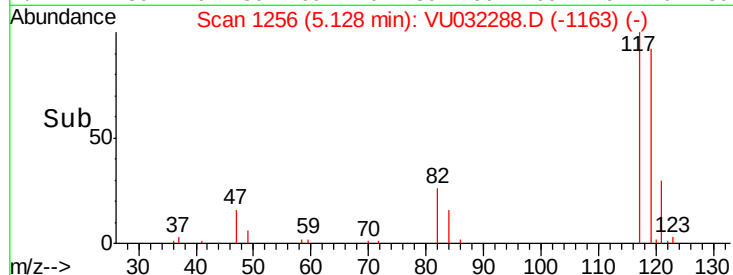
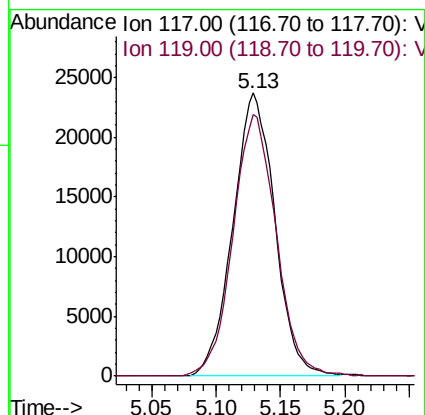
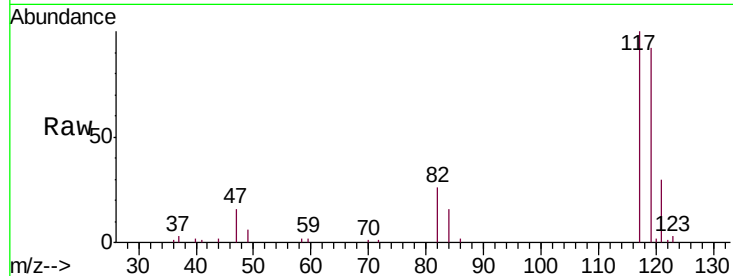
VSTD01053

Tgt Ion:117 Resp: 53547

Ion Ratio Lower Upper

117 100

119 95.2 77.4 116.0



#33

Benzene

Concen: 10.375 ug/L

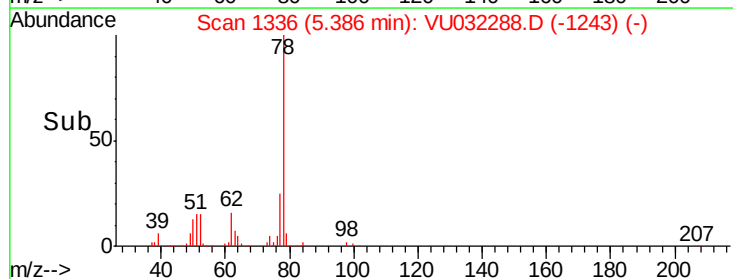
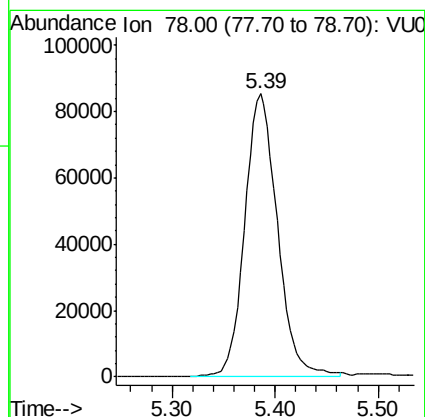
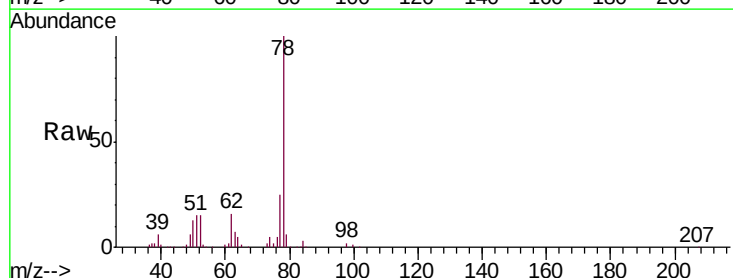
RT: 5.39 min Scan# 1336

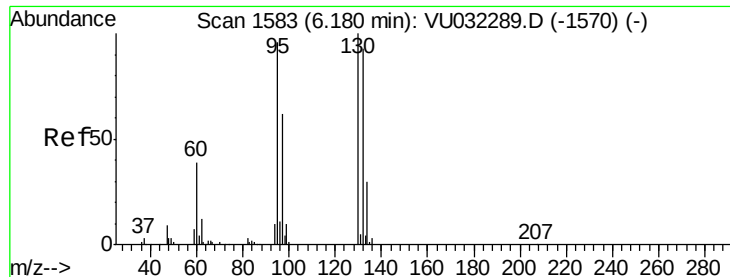
Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Tgt Ion: 78 Resp: 188494





#34

Trichloroethene

Concen: 9.782 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

Tgt Ion: 95 Resp: 47021

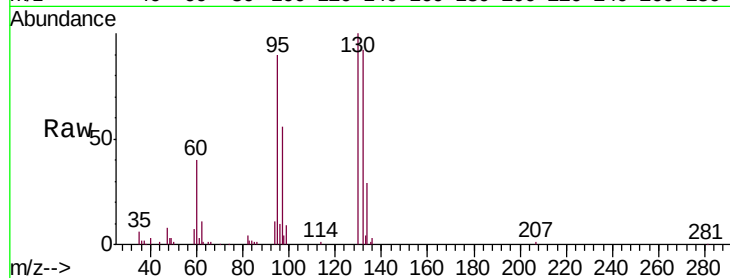
Ion Ratio Lower Upper

95 100

97 62.7 45.3 84.1

132 101.9 68.0 126.2

130 111.0 73.2 136.0



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

30000

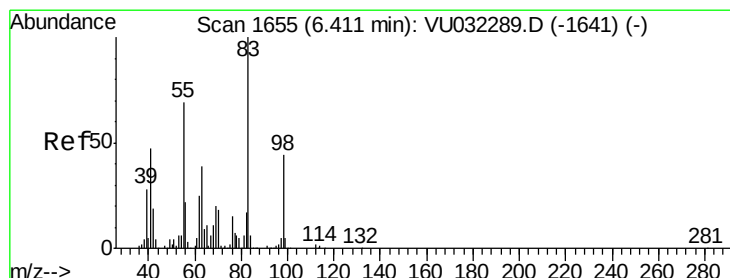
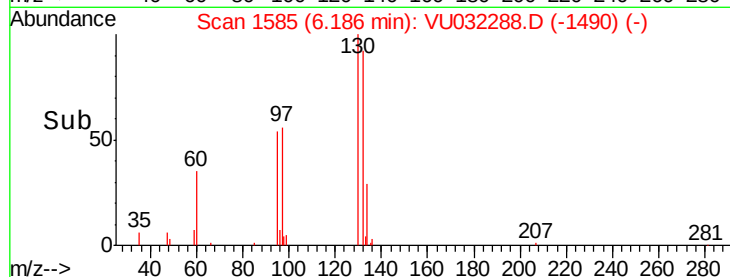
20000

10000

0

6.10 6.15 6.20 6.25

Time-->



#35

Methylcyclohexane

Concen: 7.700 ug/L

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

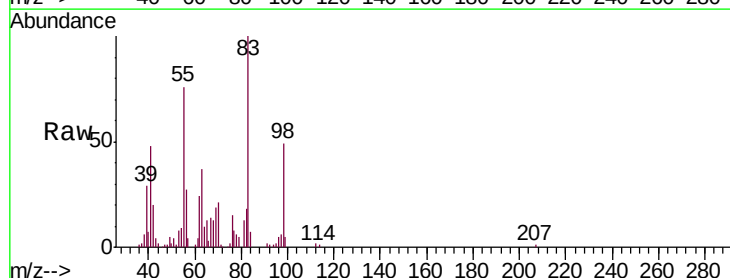
Tgt Ion: 83 Resp: 53840

Ion Ratio Lower Upper

83 100

55 70.8 56.1 84.1

98 47.7 36.8 55.2



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

30000

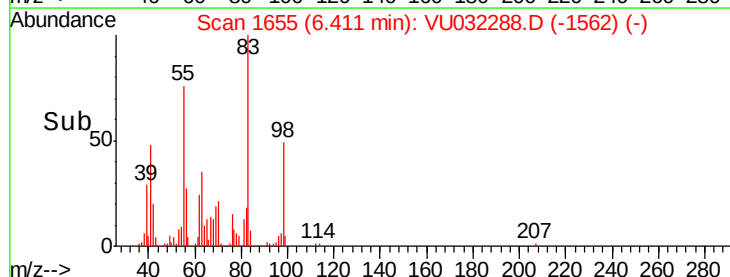
20000

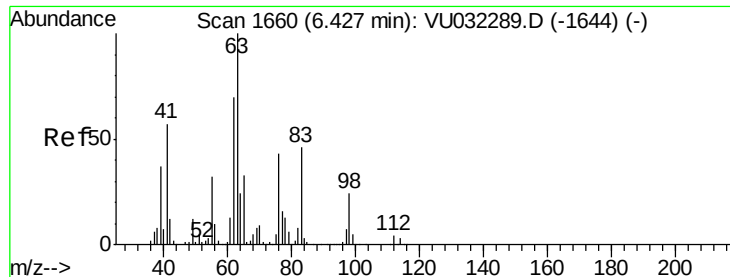
10000

0

6.35 6.40 6.45 6.50

Time-->

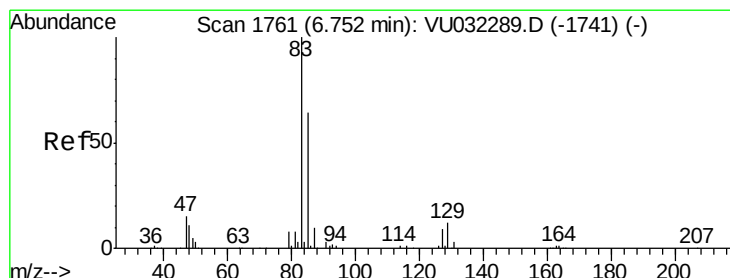
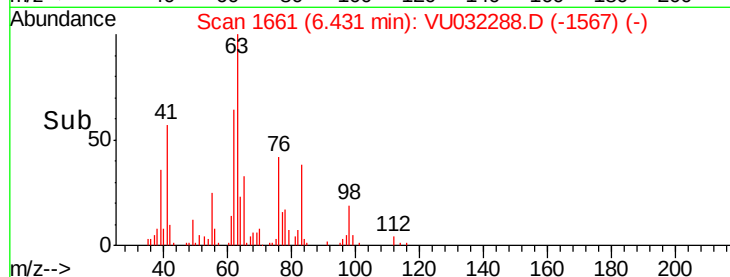
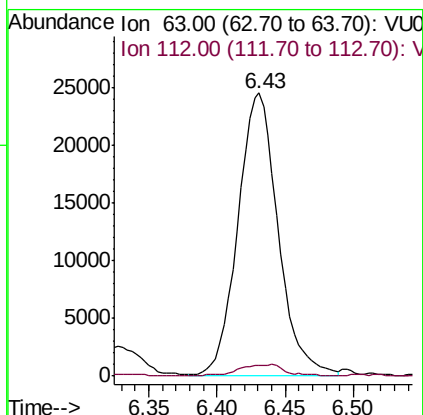
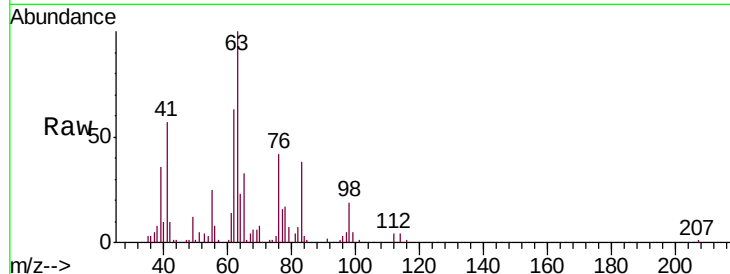




#37
 1,2-Dichloropropane
 Concen: 11.193 ug/L
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

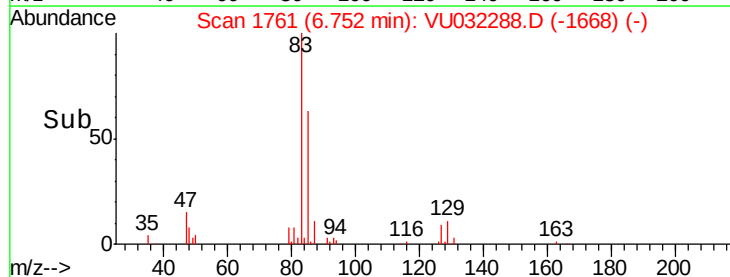
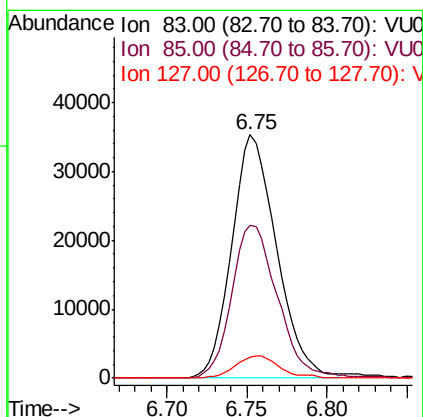
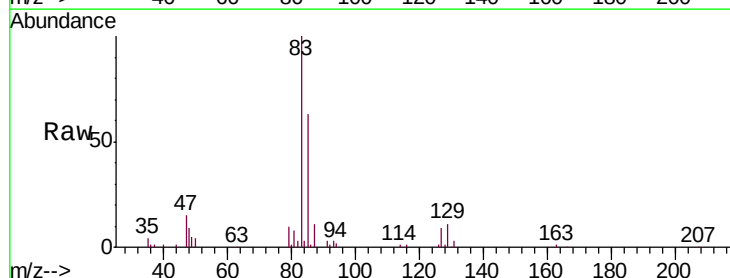
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

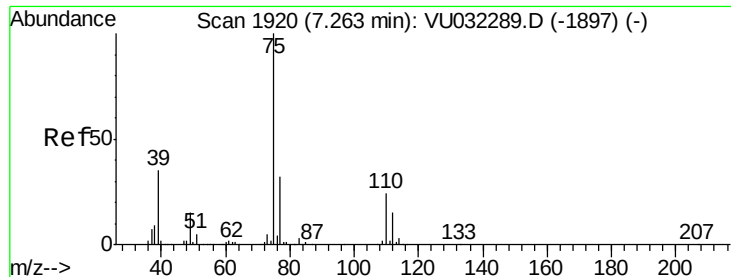
Tgt Ion: 63 Resp: 50381
 Ion Ratio Lower Upper
 63 100
 112 1.9 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 10.939 ug/L
 RT: 6.75 min Scan# 1761
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Tgt Ion: 83 Resp: 67697
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.7 82.9
 127 8.5 7.4 11.0

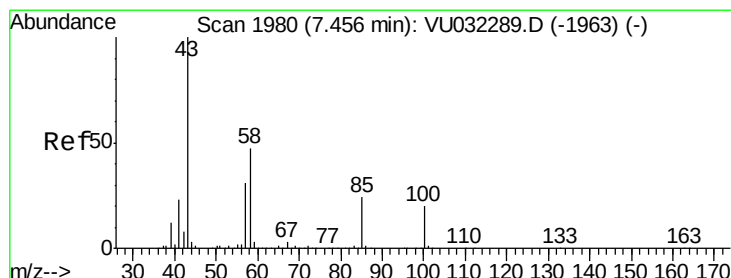
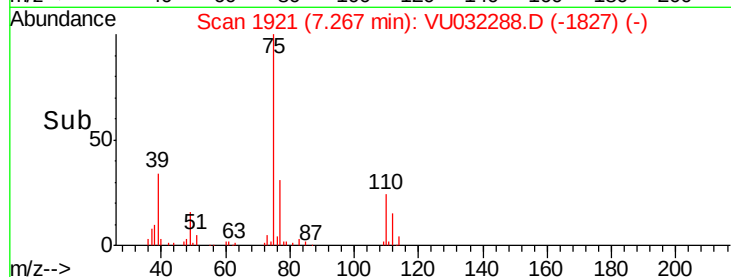
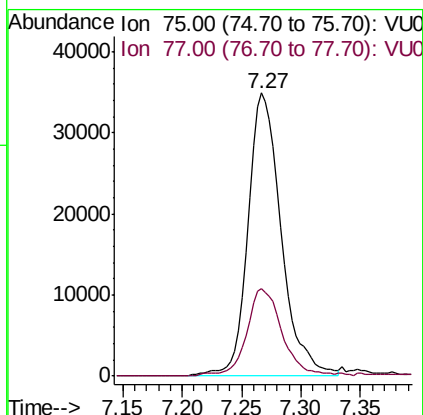
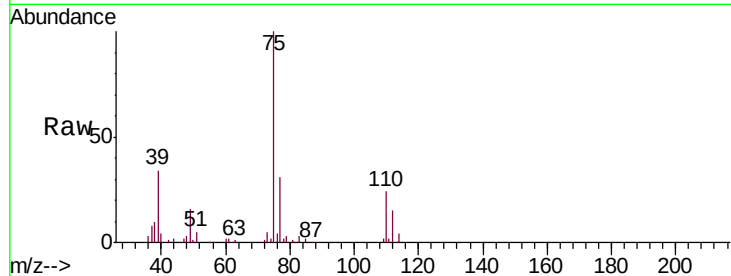




#39
 cis-1,3-Dichloropropene
 Concen: 9.726 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

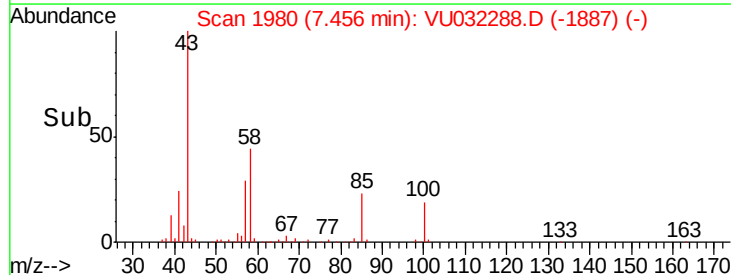
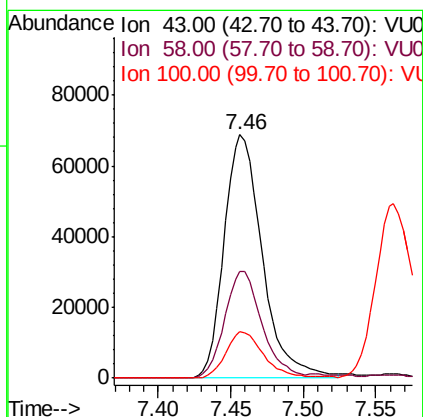
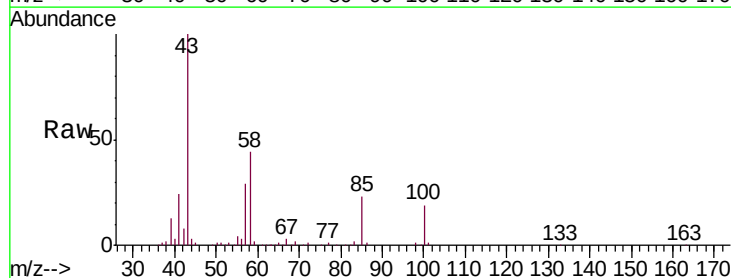
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

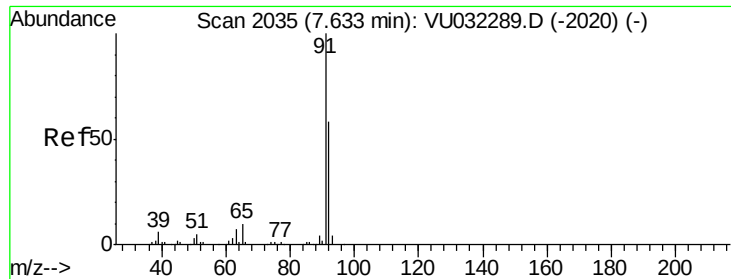
Tgt Ion: 75 Resp: 67675
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 23.662 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Tgt Ion: 43 Resp: 126174
 Ion Ratio Lower Upper
 43 100
 58 42.9 37.1 55.7
 100 18.9 16.3 24.5





#42

Toluene

Concen: 9.610 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

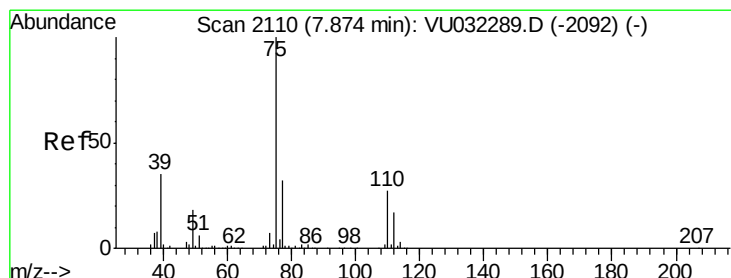
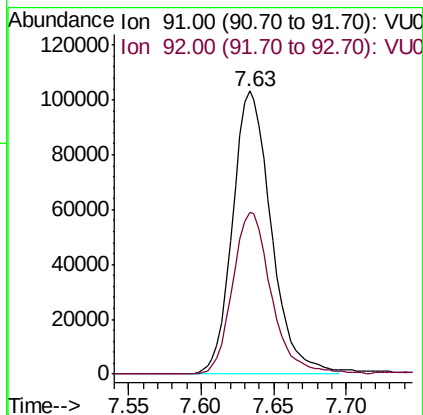
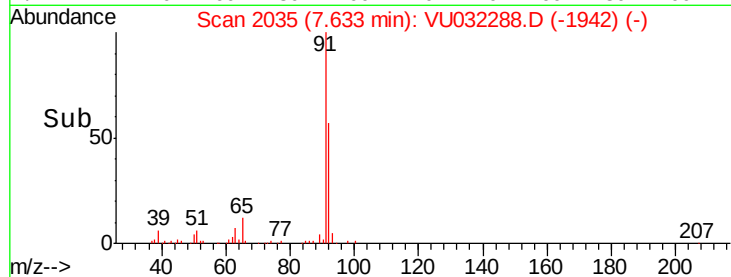
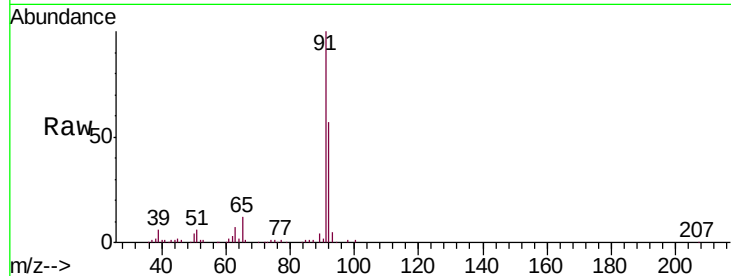
VSTD01053

Tgt Ion: 91 Resp: 191012

Ion Ratio Lower Upper

91 100

92 57.4 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 9.395 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU032288.D

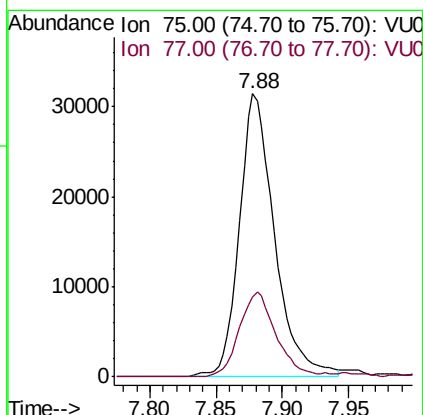
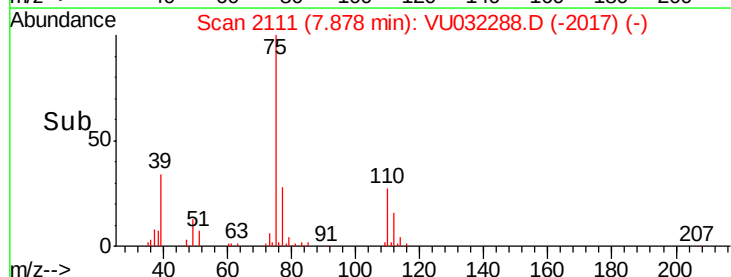
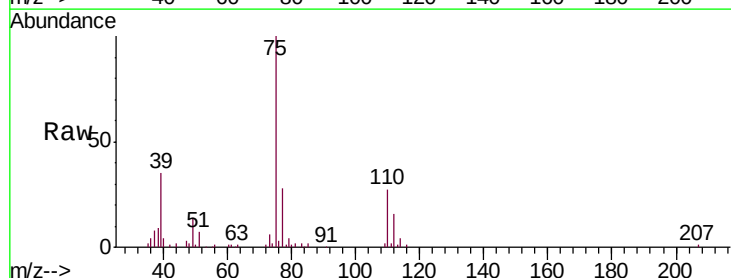
Acq: 24 May 2019 04:20

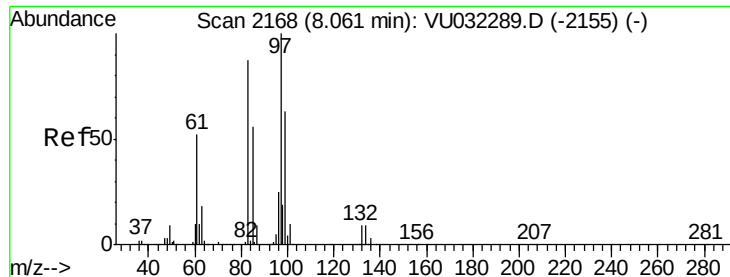
Tgt Ion: 75 Resp: 58289

Ion Ratio Lower Upper

75 100

77 28.4 22.4 41.6

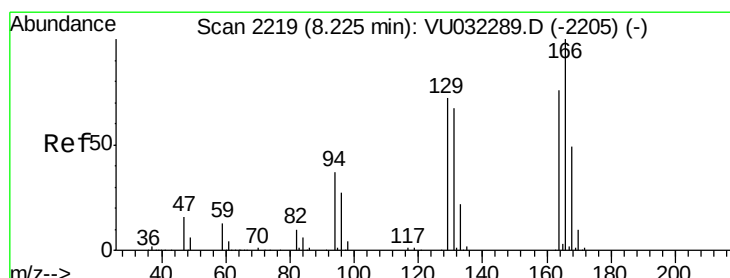
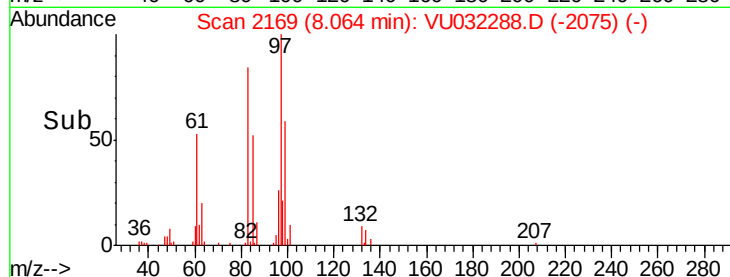
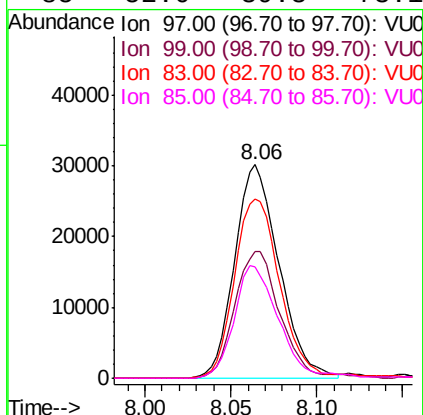
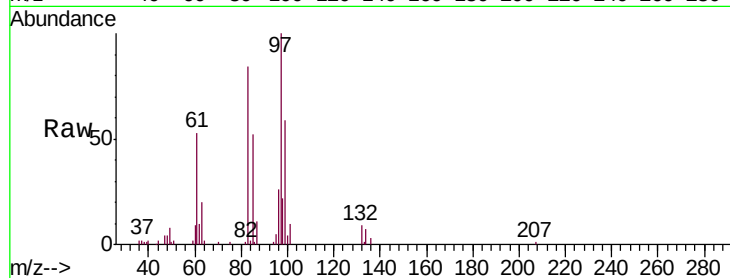




#45
 1,1,2-Trichloroethane
 Concen: 11.047 ug/L
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

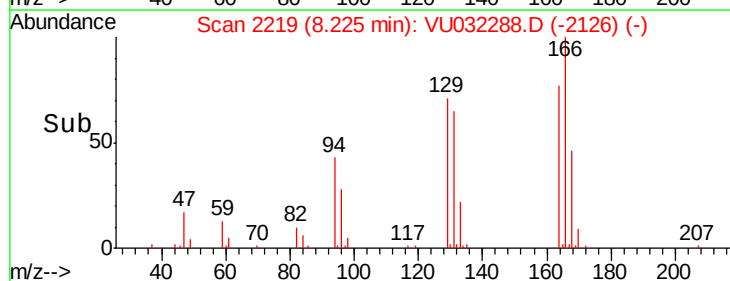
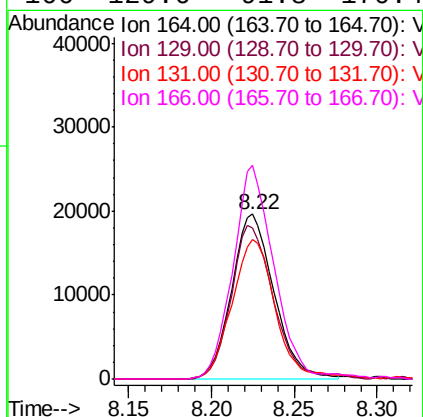
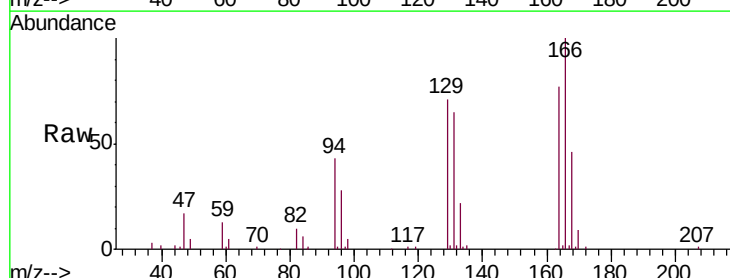
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

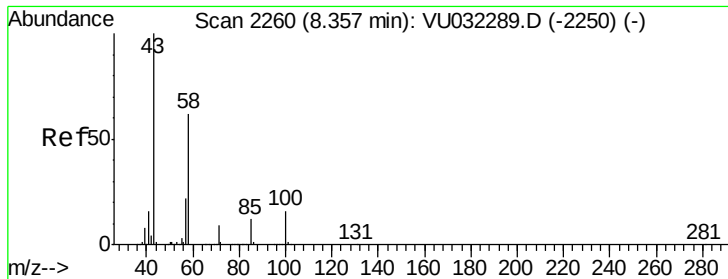
Tgt Ion:	97	Resp:	54021
Ion	Ratio	Lower	Upper
97	100		
99	59.3	43.9	81.5
83	84.1	61.2	113.6
85	52.0	39.3	73.1



#46
 Tetrachloroethene
 Concen: 8.989 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Tgt Ion:	164	Resp:	34853
Ion	Ratio	Lower	Upper
164	100		
129	91.9	66.2	123.0
131	84.5	61.9	114.9
166	129.6	91.8	170.4

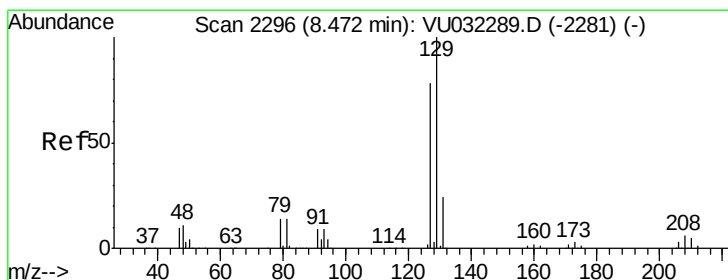
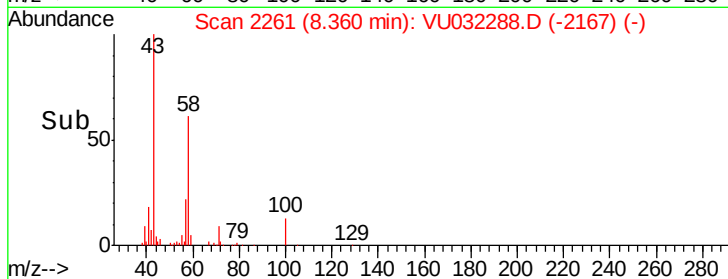
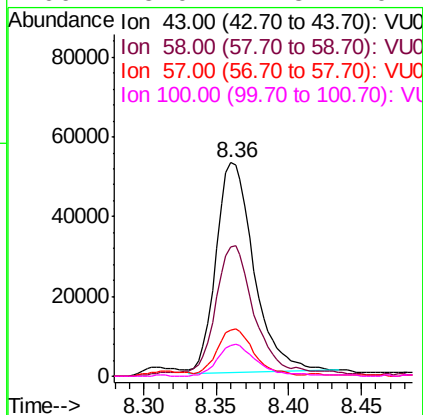
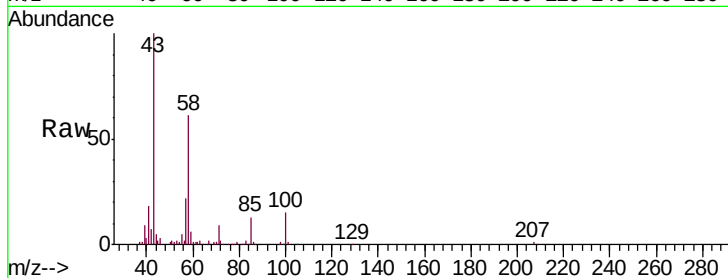




#48
2-Hexanone
Concen: 21.159 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032288.D
Acq: 24 May 2019 04:20

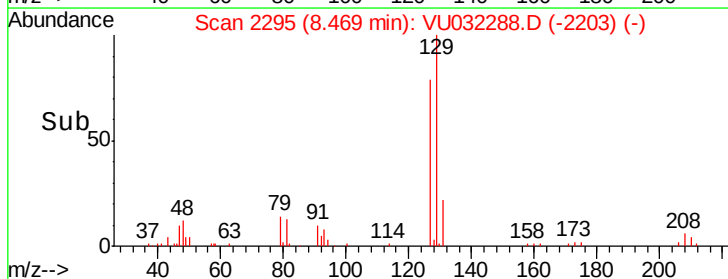
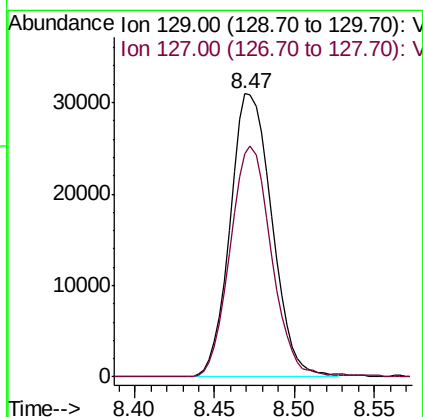
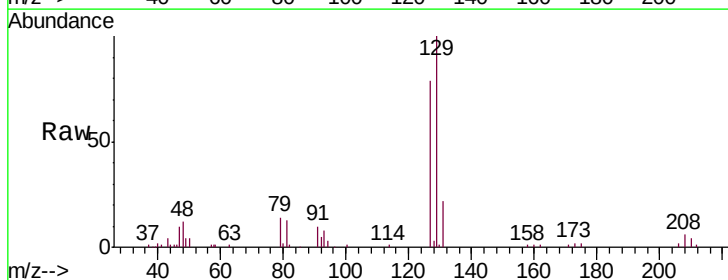
Instrument :
MSVOA_U
ClientSampleId :
VSTD01053

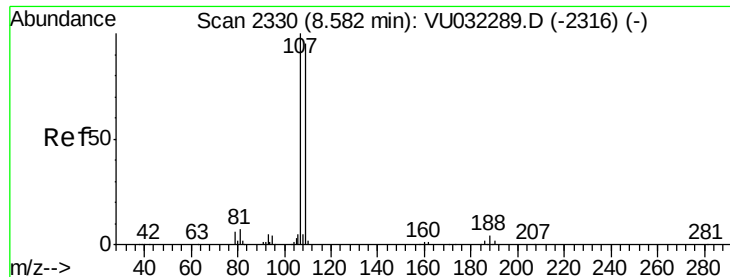
Tgt Ion:	43	Resp:	95975
Ion	Ratio	Lower	Upper
43	100		
58	64.1	51.4	77.0
57	22.0	17.8	26.8
100	15.0	12.8	19.2



#49
Dibromochloromethane
Concen: 10.576 ug/L
RT: 8.47 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VU032288.D
Acq: 24 May 2019 04:20

Tgt Ion:	129	Resp:	55124
Ion	Ratio	Lower	Upper
129	100		
127	78.7	54.5	101.3





#50

1,2-Dibromoethane

Concen: 10.941 ug/L

RT: 8.58 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

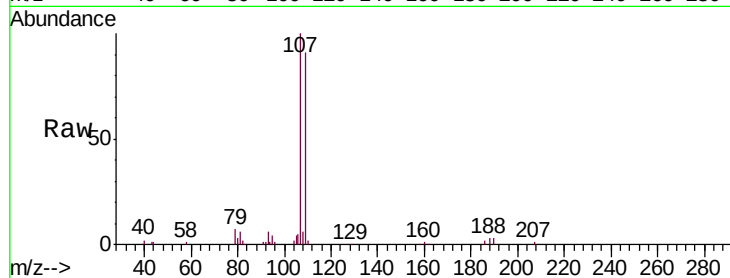
Tgt Ion:107 Resp: 56492

Ion Ratio Lower Upper

107 100

109 91.3 66.6 123.8

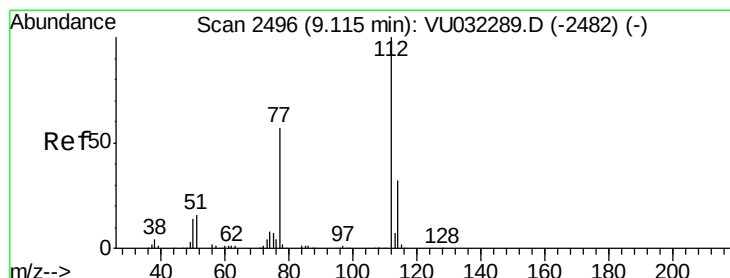
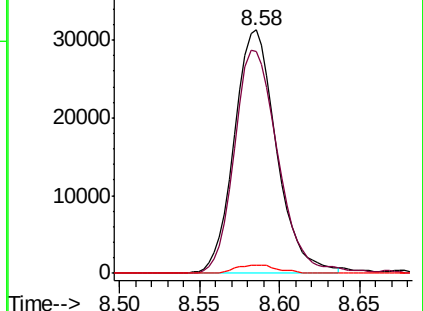
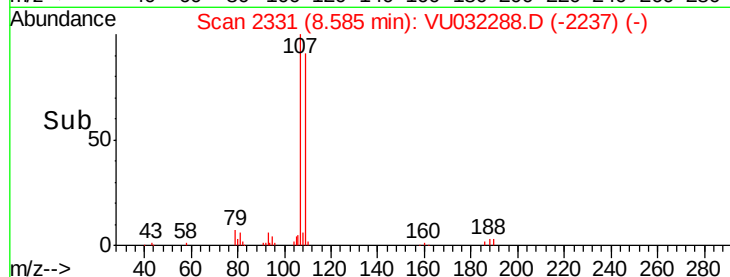
188 3.4 3.2 4.8



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: 9.814 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

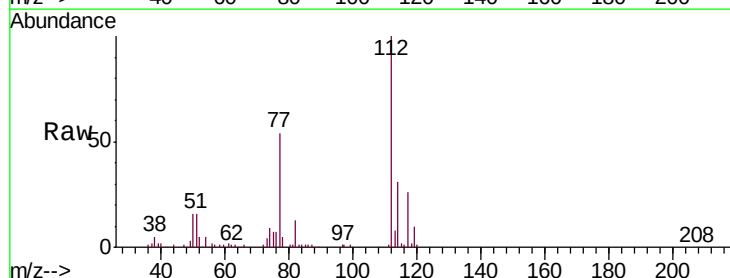
Tgt Ion:112 Resp: 131743

Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

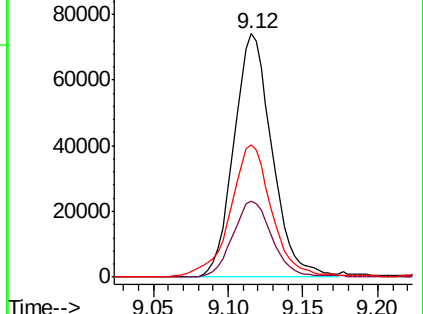
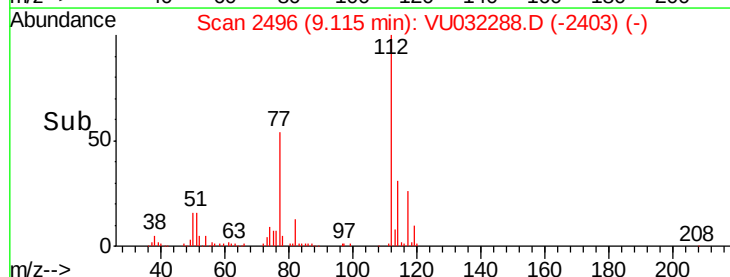
77 54.5 45.8 68.6

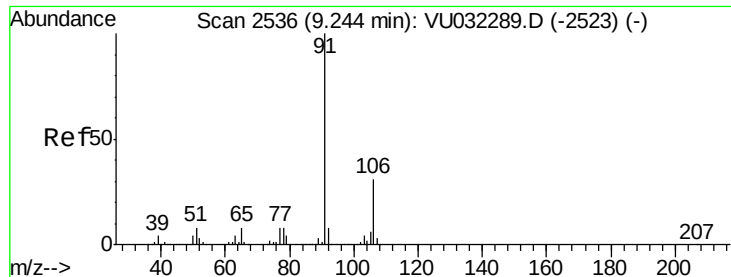


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 8.684 ug/L

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

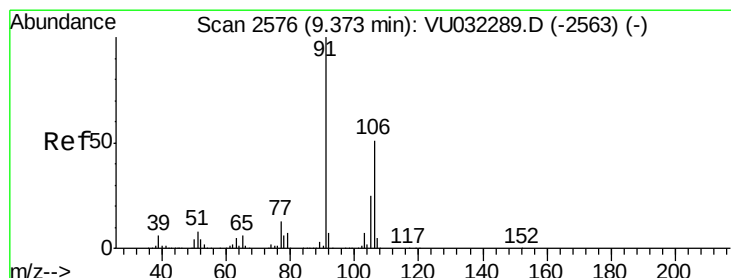
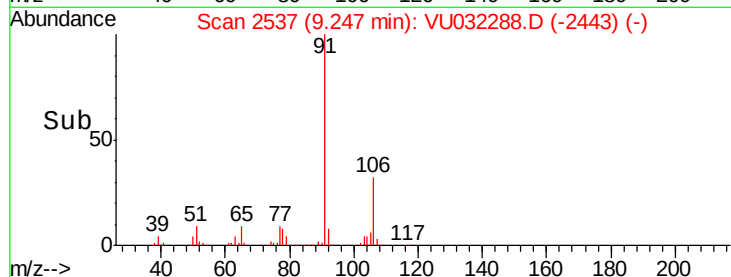
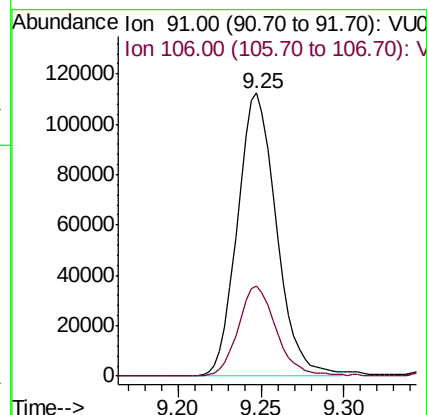
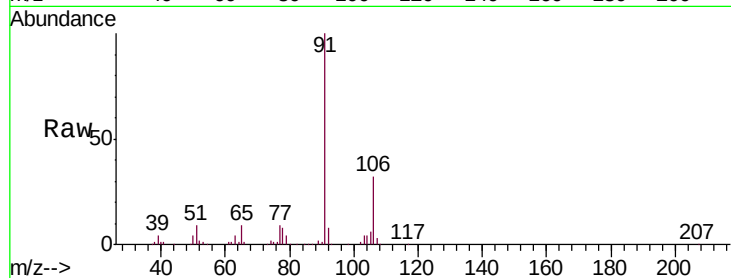
VSTD01053

Tgt Ion: 91 Resp: 184115

Ion Ratio Lower Upper

91 100

106 32.0 22.0 41.0



#53

m,p-Xylene

Concen: 8.480 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU032288.D

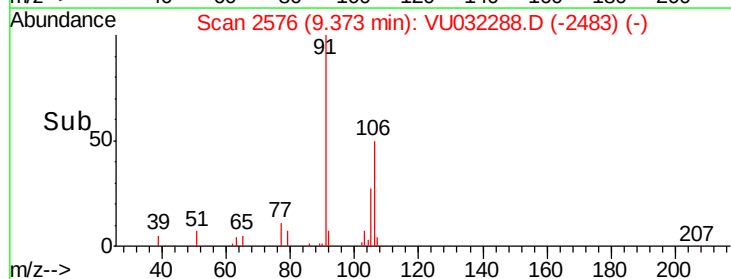
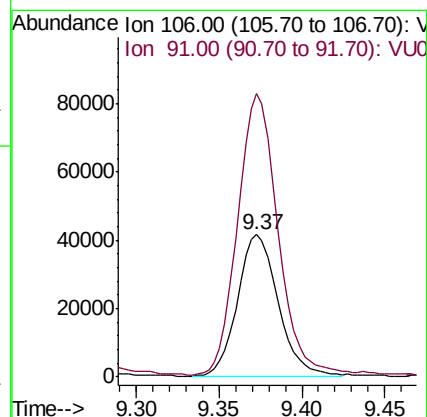
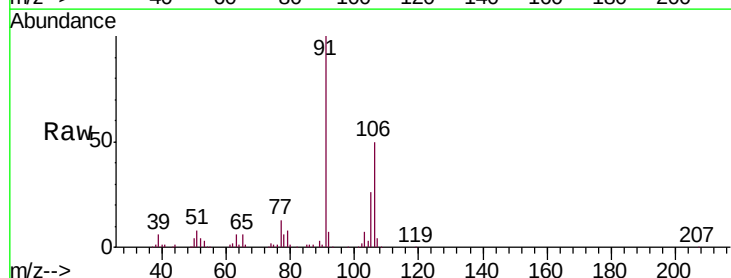
Acq: 24 May 2019 04:20

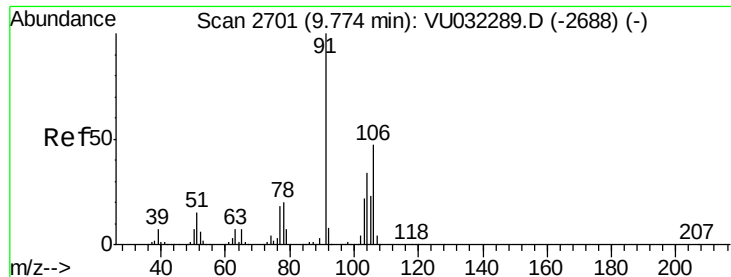
Tgt Ion: 106 Resp: 70530

Ion Ratio Lower Upper

106 100

91 199.3 136.5 253.5





#54

o-xylene

Concen: 9.034 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

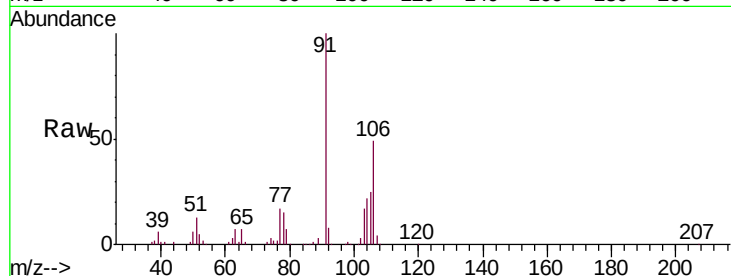
VSTD01053

Tgt Ion:106 Resp: 74612

Ion Ratio Lower Upper

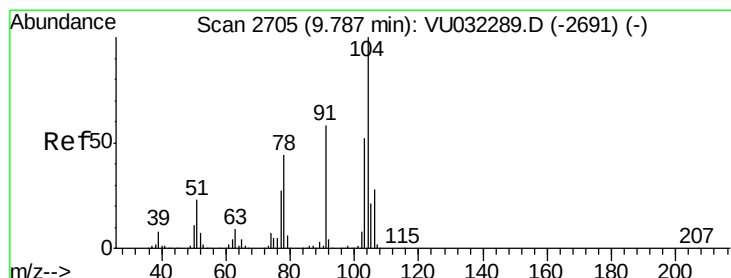
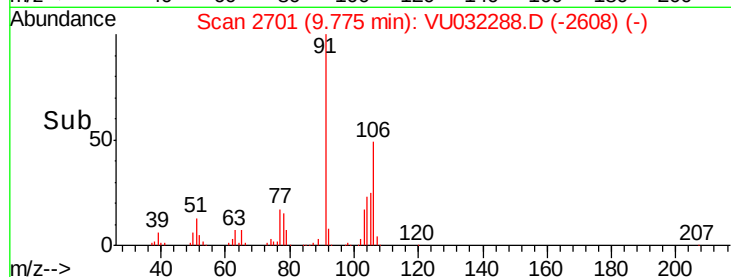
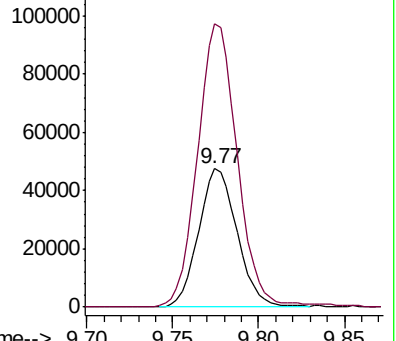
106 100

91 204.9 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 8.319 ug/L

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU032288.D

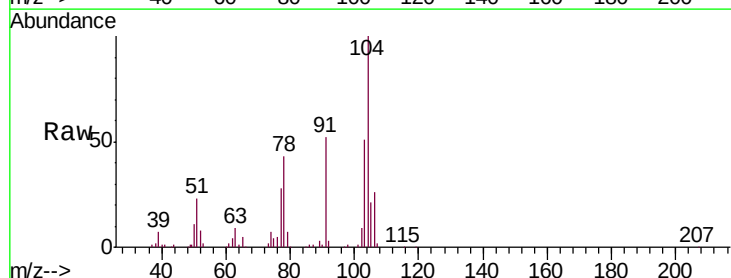
Acq: 24 May 2019 04:20

Tgt Ion:104 Resp: 118305

Ion Ratio Lower Upper

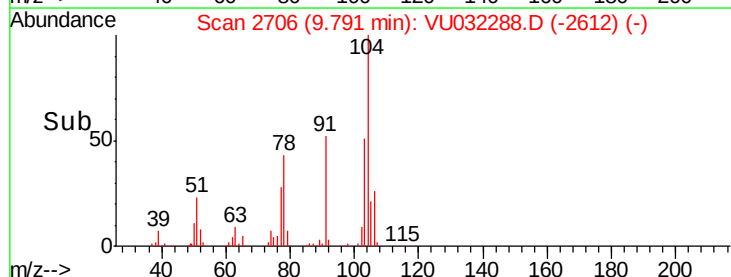
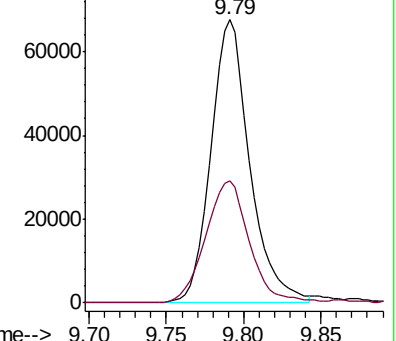
104 100

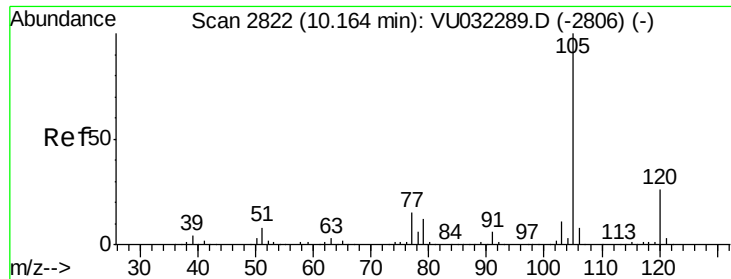
78 43.2 31.1 57.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 8.042 ug/L

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

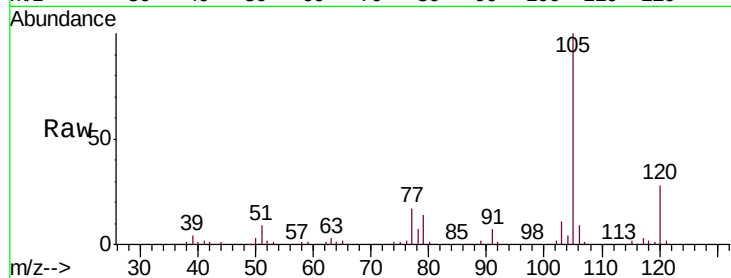
Tgt Ion: 105 Resp: 168882

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.4

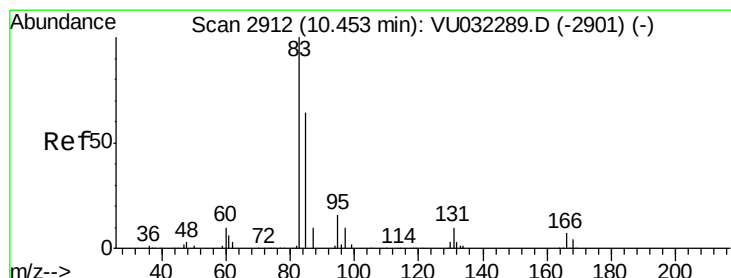
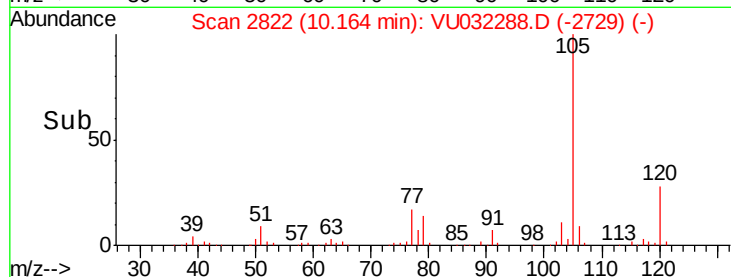
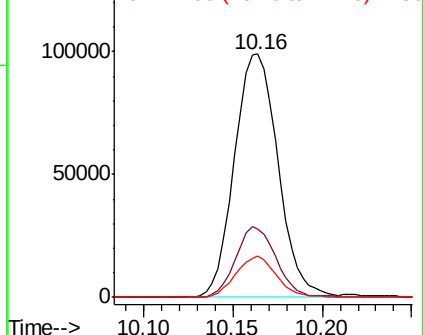
77 15.9 11.8 17.6



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: 10.855 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

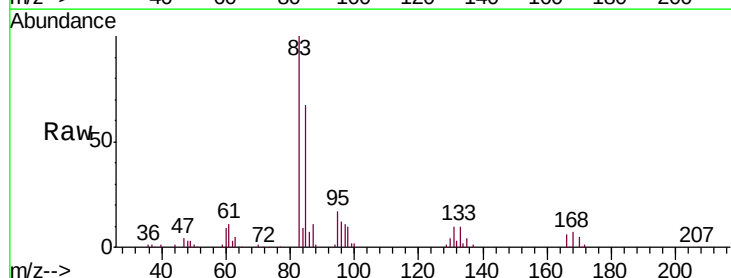
Tgt Ion: 83 Resp: 89339

Ion Ratio Lower Upper

83 100

85 66.7 45.4 84.2

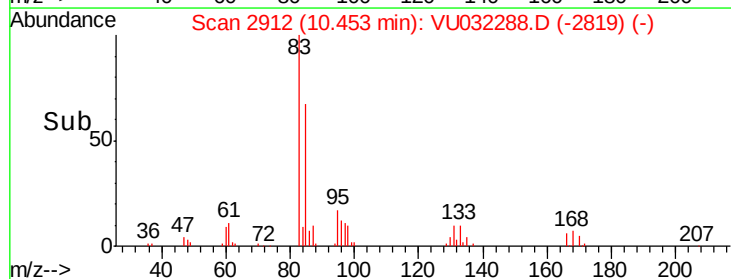
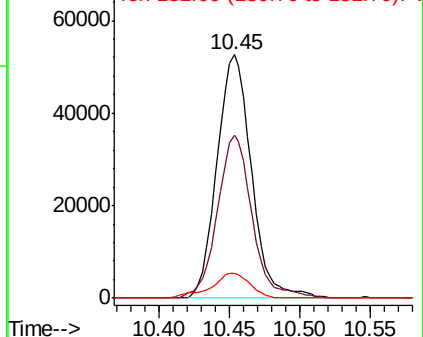
131 10.3 8.4 12.6

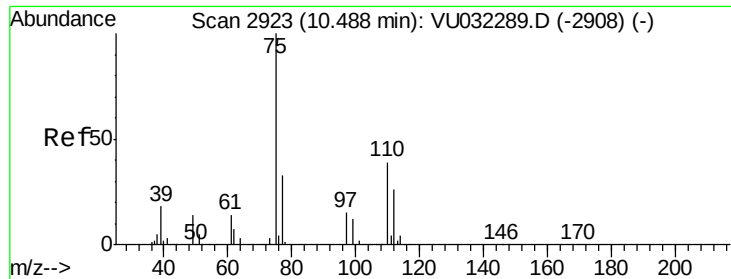


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

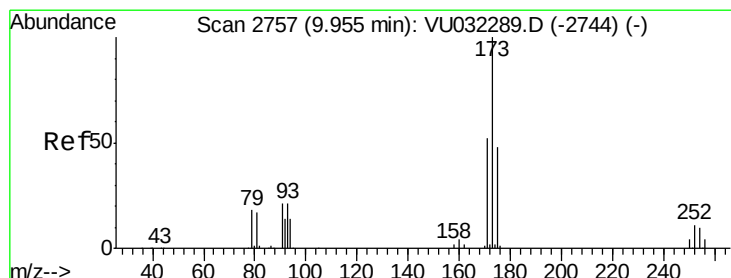
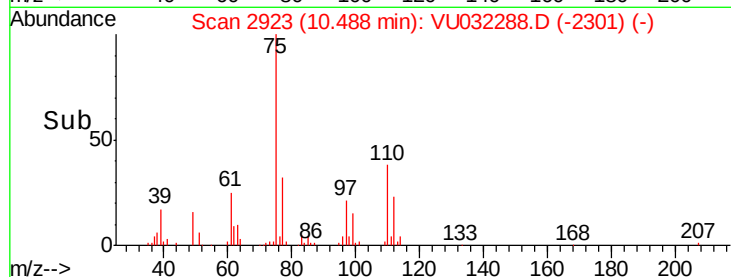
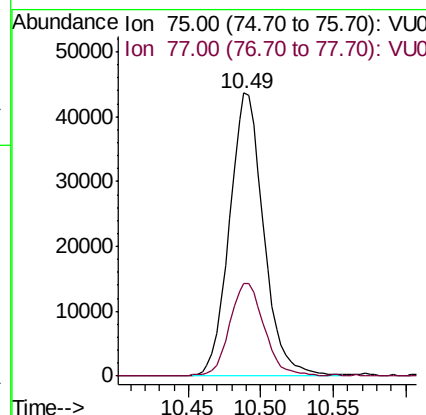
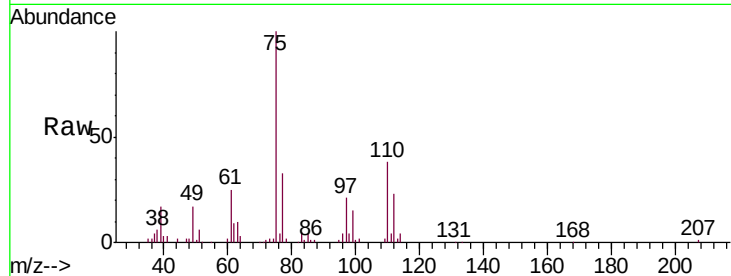




#59
 1,2,3-Trichloropropane
 Concen: 11.358 ug/L
 RT: 10.49 min Scan# 2923
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

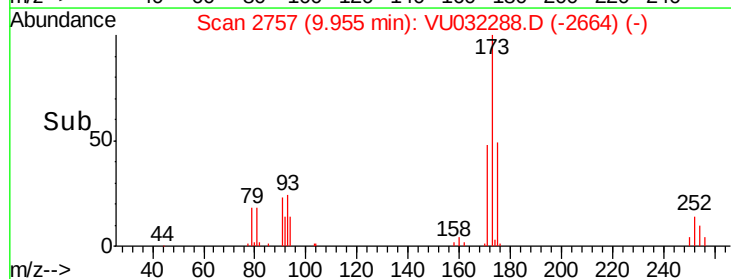
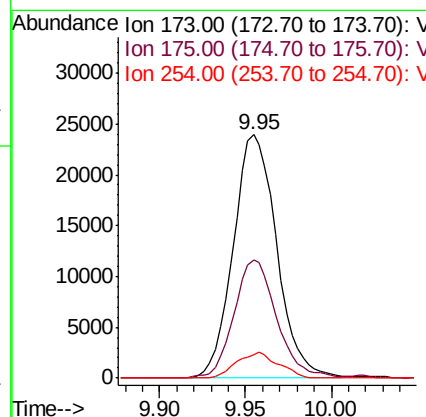
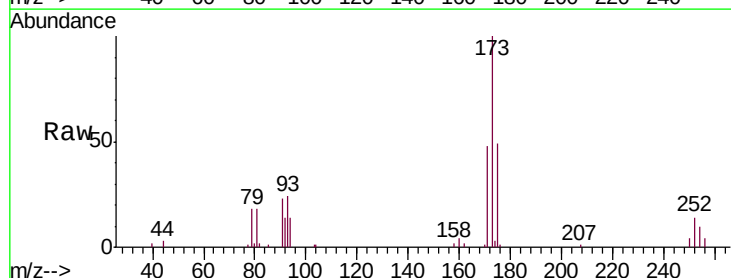
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

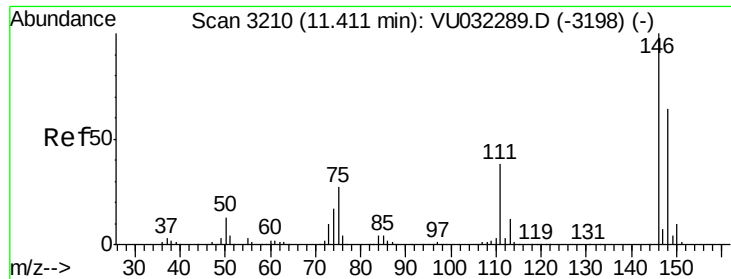
Tgt Ion: 75 Resp: 71581
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.7 38.5



#61
 Bromoform
 Concen: 11.808 ug/L
 RT: 9.95 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Tgt Ion: 173 Resp: 42076
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.6 57.8
 254 10.1 7.8 11.8

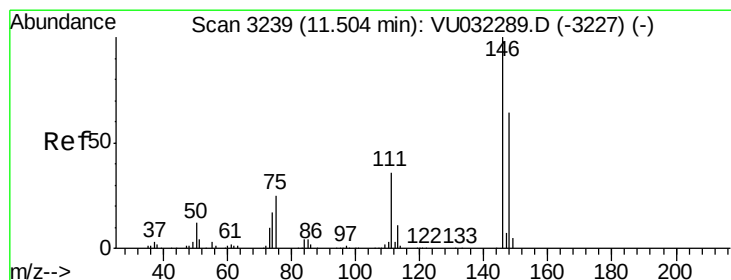
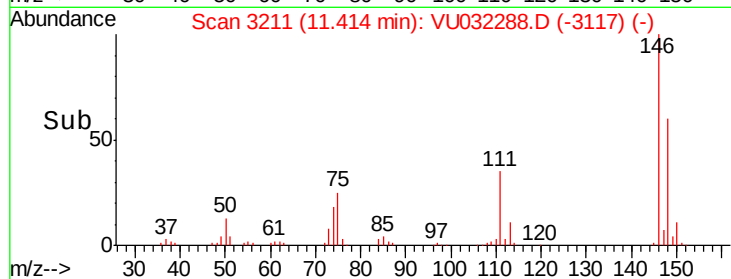
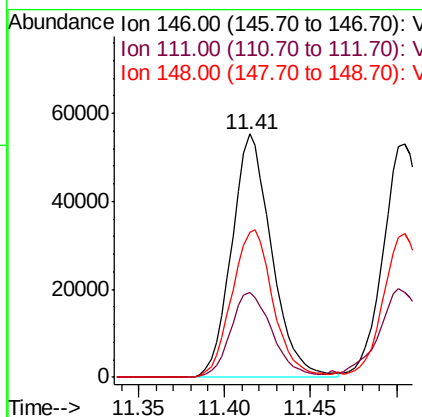
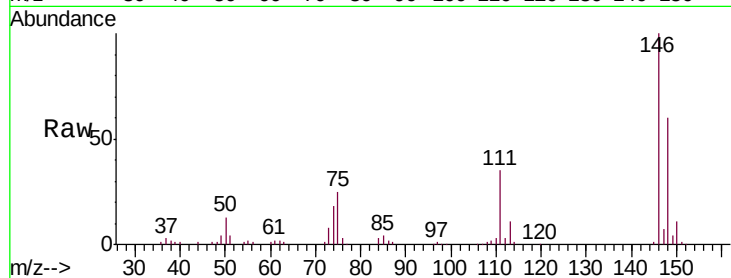




#62
 1,3-Dichlorobenzene
 Concen: 10.035 ug/L
 RT: 11.41 min Scan# 3211
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

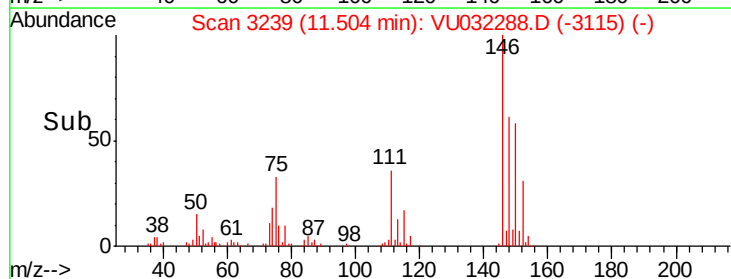
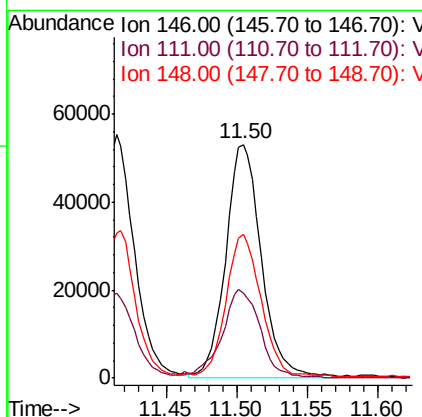
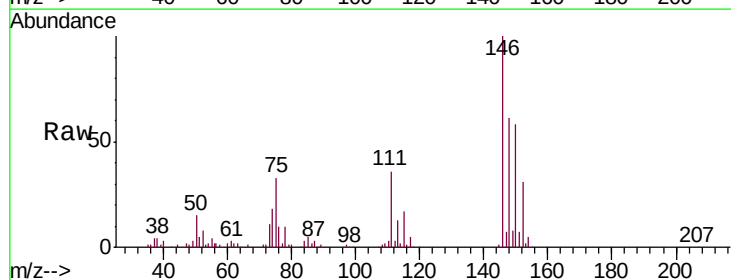
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

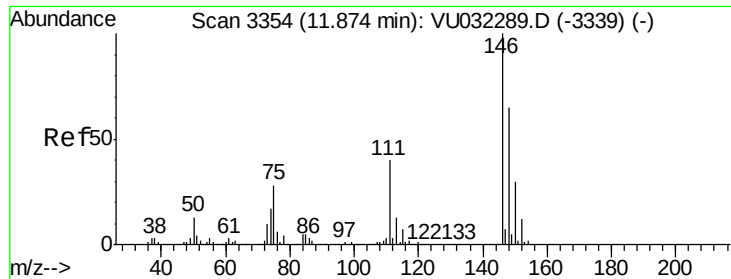
Tgt Ion:146 Resp: 89166
 Ion Ratio Lower Upper
 146 100
 111 34.6 26.4 49.0
 148 59.7 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 10.063 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Tgt Ion:146 Resp: 94261
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.3 47.1
 148 61.4 44.7 83.1

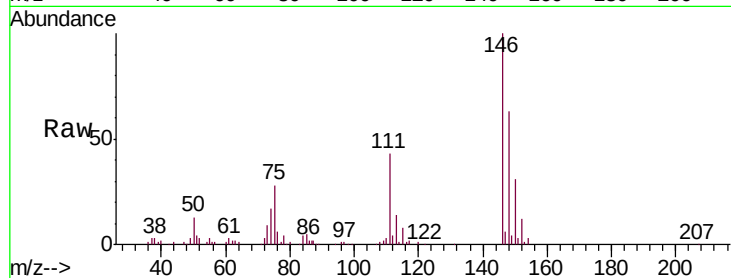




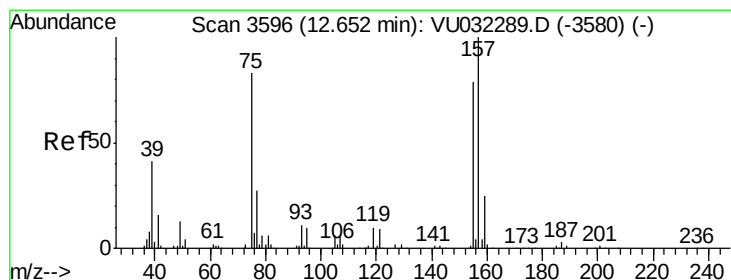
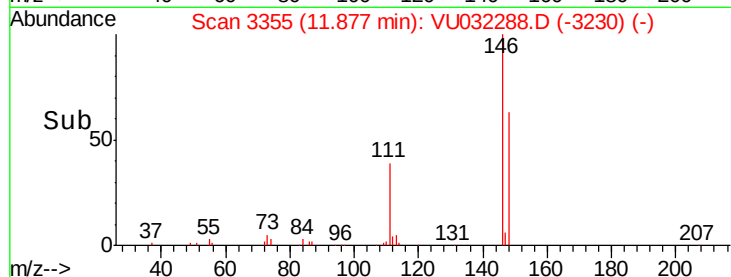
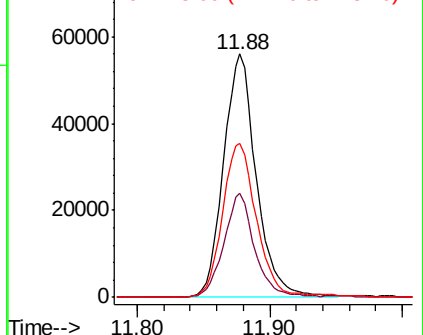
#65
 1,2-Dichlorobenzene
 Concen: 10.235 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

Tgt Ion: 146 Resp: 96002
 Ion Ratio Lower Upper
 146 100
 111 42.6 31.7 47.5
 148 63.1 52.2 78.2

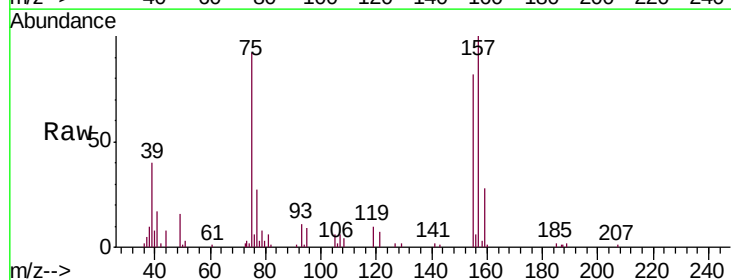


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

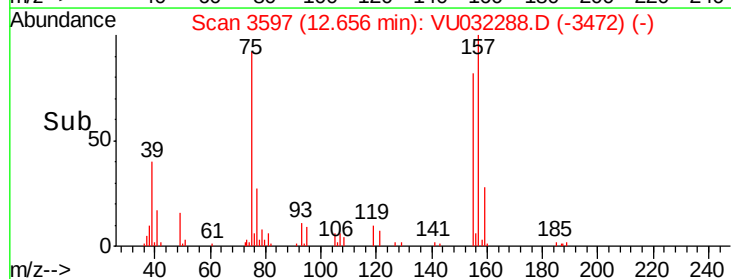
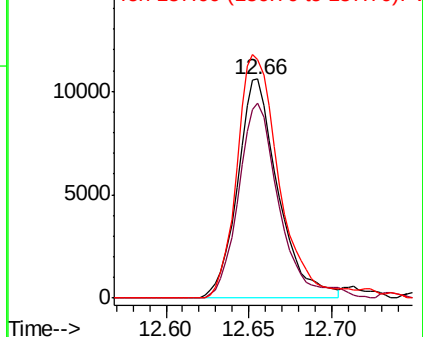


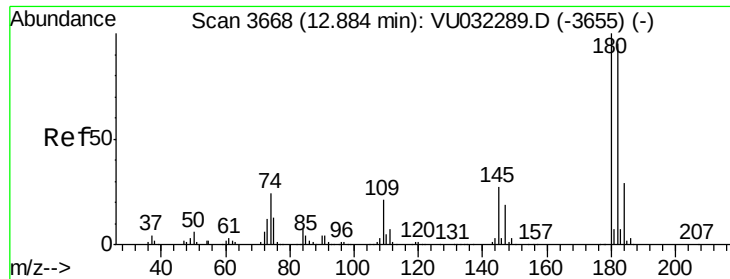
#66
 1,2-Dibromo-3-chloropropane
 Concen: 12.007 ug/L
 RT: 12.66 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Tgt Ion: 75 Resp: 18015
 Ion Ratio Lower Upper
 75 100
 155 89.1 75.8 113.8
 157 109.0 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

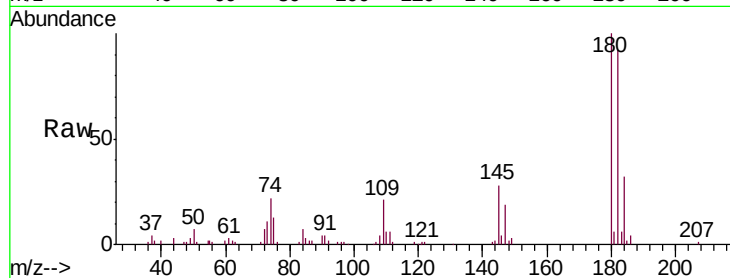




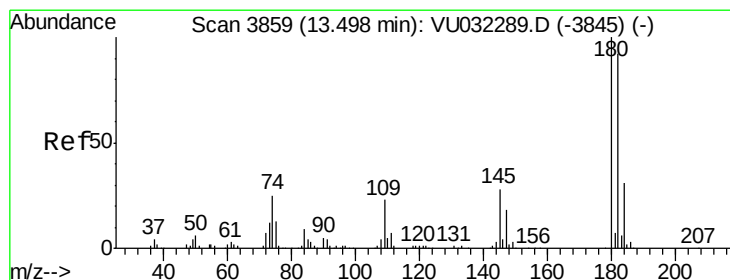
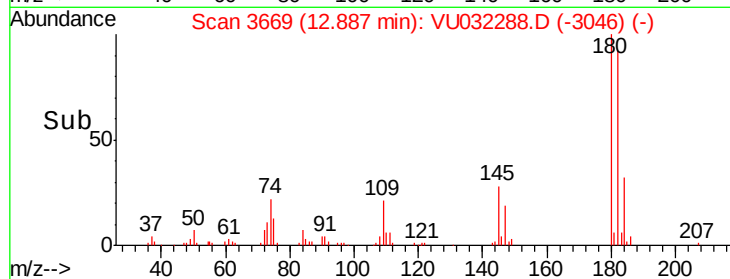
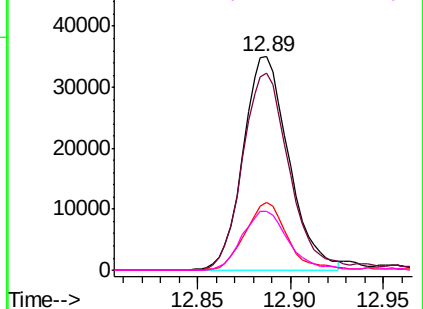
#67
 1,3,5-Trichlorobenzene
 Concen: 8.878 ug/L
 RT: 12.89 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01053

Tgt Ion:180 Resp: 59967
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.5 113.3
 184 29.6 24.2 36.4
 145 27.8 22.0 33.0

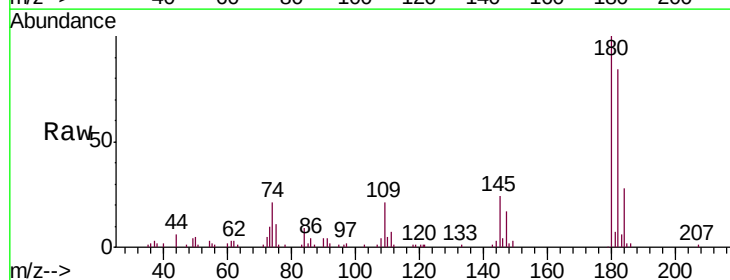


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

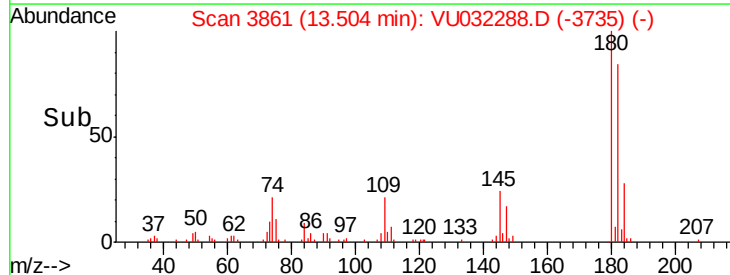
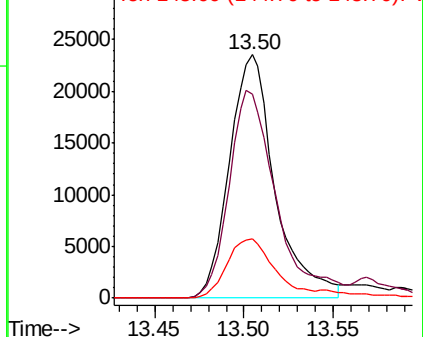


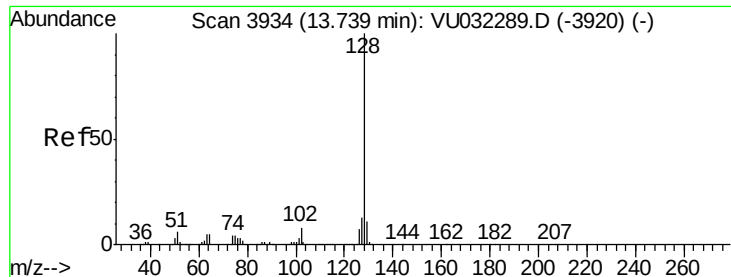
#68
 1,2,4-trichlorobenzene
 Concen: 7.920 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU032288.D
 Acq: 24 May 2019 04:20

Tgt Ion:180 Resp: 41792
 Ion Ratio Lower Upper
 180 100
 182 88.3 75.3 112.9
 145 25.4 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: 6.791 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

Instrument :

MSVOA_U

ClientSampleId :

VSTD01053

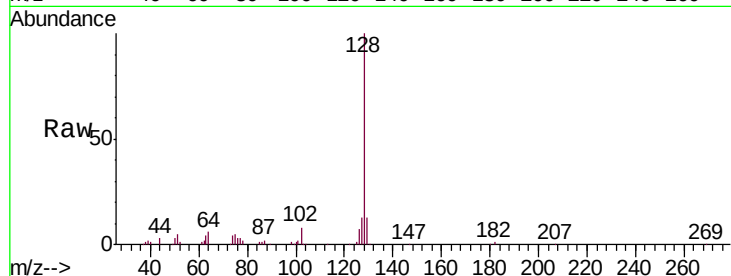
Tgt Ion:128 Resp: 110742

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

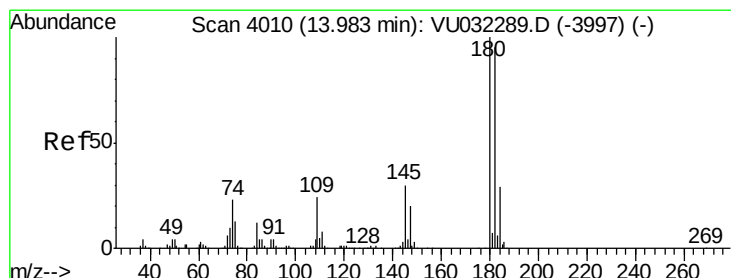
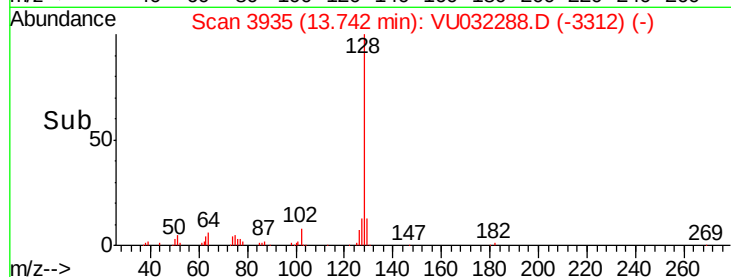
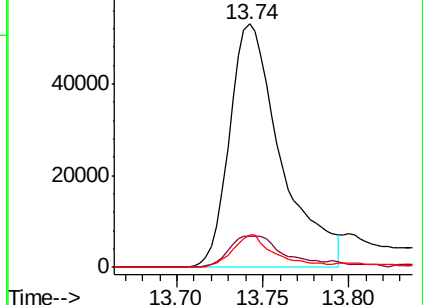
129 11.0 8.3 12.5



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: 8.218 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU032288.D

Acq: 24 May 2019 04:20

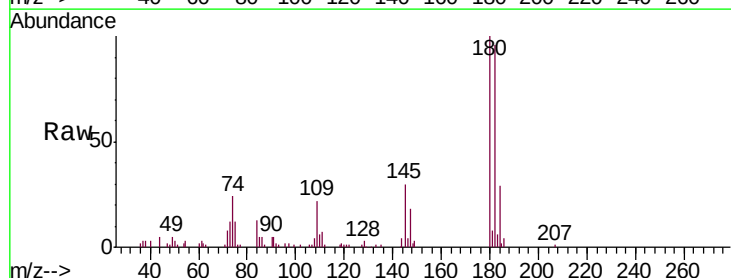
Tgt Ion:180 Resp: 48905

Ion Ratio Lower Upper

180 100

182 100.2 77.2 115.8

145 26.3 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

