

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110119\
 Data File : VU035588.D
 Acq On : 01 Nov 2019 09:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Quant Time: Nov 01 11:08:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 31 17:34:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	697886	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	676286	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	303977	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	245044	43.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.94%
7) Chloroethane-d5	1.93	69	205508	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.30%
11) 1,1-Dichloroethene-d2	2.60	63	400496	45.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.38%
21) 2-Butanone-d5	4.69	46	311113	94.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.49%
24) Chloroform-d	5.11	84	416750	47.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.74%
26) 1,2-Dichloroethane-d4	5.75	65	252045	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
32) Benzene-d6	5.77	84	858793	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
36) 1,2-Dichloropropane-d6	6.73	67	278885	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.56%
41) Toluene-d8	7.93	98	803295	48.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.62%
43) trans-1,3-Dichloropropene-	8.21	79	130427	49.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.06%
47) 2-Hexanone-d5	8.68	63	202858	92.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.59%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	395420	48.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.28%
64) 1,2-Dichlorobenzene-d4	12.22	152	283459	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	265603	48.801 ug/L	99
3) Chloromethane	1.54	50	283226	47.749 ug/L	99
5) Vinyl chloride	1.62	62	299206	46.881 ug/L	99
6) Bromomethane	1.87	94	155273	48.032 ug/L	99
8) Chloroethane	1.95	64	177006	47.685 ug/L	98
9) Trichlorofluoromethane	2.16	101	370986	49.071 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	220056	50.701 ug/L	99
12) 1,1-Dichloroethene	2.61	96	208569	48.924 ug/L	97
13) Acetone	2.66	43	340620	117.584 ug/L	99
14) Carbon disulfide	2.83	76	608002	46.292 ug/L	100
15) Methyl Acetate	2.99	43	251524	47.938 ug/L	99
16) Methylene chloride	3.09	84	250625	48.182 ug/L	96
17) trans-1,2-Dichloroethene	3.39	96	217143	48.368 ug/L	96
18) Methyl tert-butyl Ether	3.42	73	672424	49.541 ug/L	99
19) 1,1-Dichloroethane	3.92	63	422494	48.786 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	248928	49.160 ug/L	96
22) 2-Butanone	4.77	43	411872	107.707 ug/L	98

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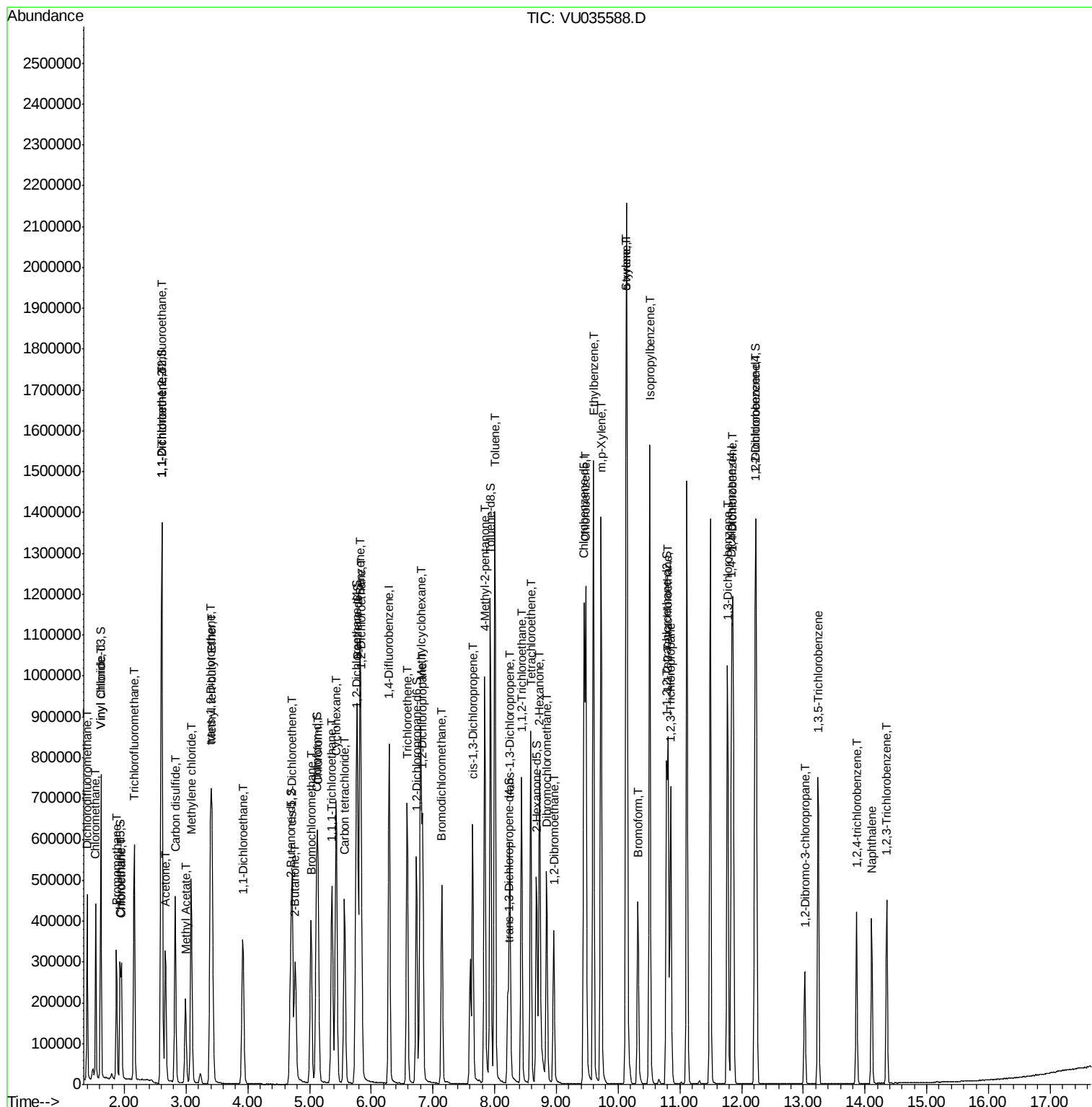
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	131183	49.026	ug/L	97
25) Chloroform	5.14	83	425050	48.327	ug/L	100
27) 1,2-Dichloroethane	5.84	62	312909	48.697	ug/L	100
29) Cyclohexane	5.43	56	350064	50.748	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	353656	49.754	ug/L	100
31) Carbon tetrachloride	5.57	117	317797	50.282	ug/L	100
33) Benzene	5.82	78	954206	50.204	ug/L	100
34) Trichloroethene	6.58	95	236476	48.940	ug/L	99
35) Methylcyclohexane	6.80	83	353587	50.385	ug/L	99
37) 1,2-Dichloropropane	6.83	63	256327	50.361	ug/L	100
38) Bromodichloromethane	7.14	83	323944	50.072	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	400391	52.924	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	657874	96.614	ug/L	99
42) Toluene	8.01	91	1038298	52.122	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	352245	50.794	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	244735	50.165	ug/L	100
46) Tetrachloroethene	8.58	164	204142	50.526	ug/L	99
48) 2-Hexanone	8.73	43	531323	95.953	ug/L	92
49) Dibromochloromethane	8.84	129	277526	50.444	ug/L	97
50) 1,2-Dibromoethane	8.96	107	261052	50.153	ug/L	100
51) Chlorobenzene	9.48	112	664639	49.978	ug/L	100
52) Ethylbenzene	9.60	91	1094228	51.382	ug/L	99
53) m,p-Xylene	9.72	106	426088	53.320	ug/L	98
54) o-xylene	10.13	106	413642	52.960	ug/L	98
55) Styrene	10.14	104	688100	53.086	ug/L	98
56) Isopropylbenzene	10.51	105	1040637	53.020	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	416266	49.537	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	325108	48.987	ug/L	99
61) Bromoform	10.32	173	218571	47.132	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	470343	49.048	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	464024	47.633	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	472498	48.399	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	69754	46.083	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	250220	45.165	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	137389	37.021	ug/L	97
69) Naphthalene	14.11	128	328148	34.473	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	149706	37.440	ug/L	98

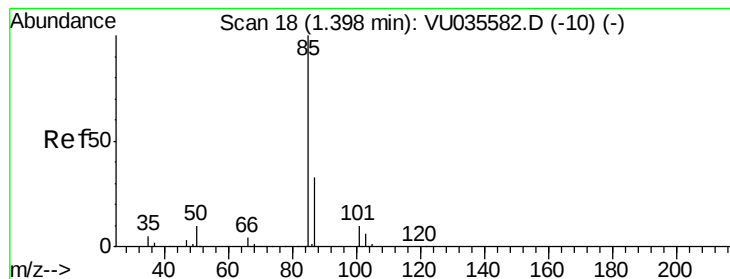
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ALS Vial  : 2      Sample Multiplier: 1
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ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 48.801 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

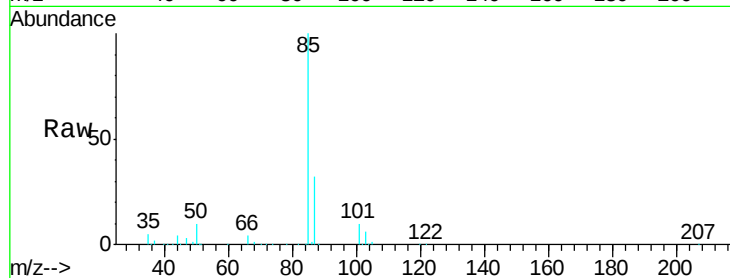
VSTD05033

Tgt Ion: 85 Resp: 265603

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU035582.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU035582.D (-10) (-)

1.40

250000

200000

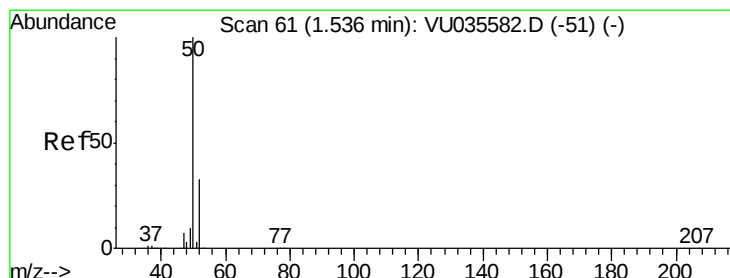
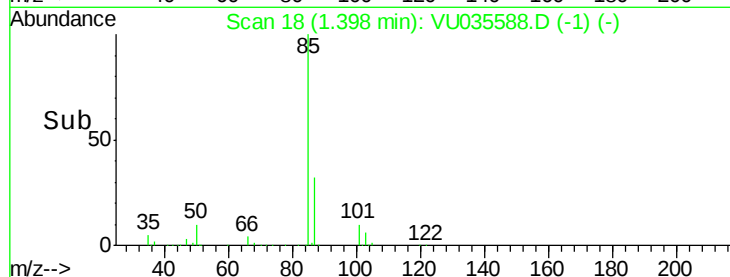
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 47.749 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035588.D

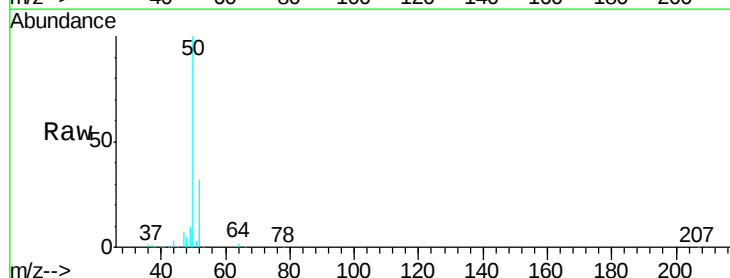
Acq: 01 Nov 2019 09:19

Tgt Ion: 50 Resp: 283226

Ion Ratio Lower Upper

50 100

52 32.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU035582.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU035582.D (-51) (-)

1.54

300000

250000

200000

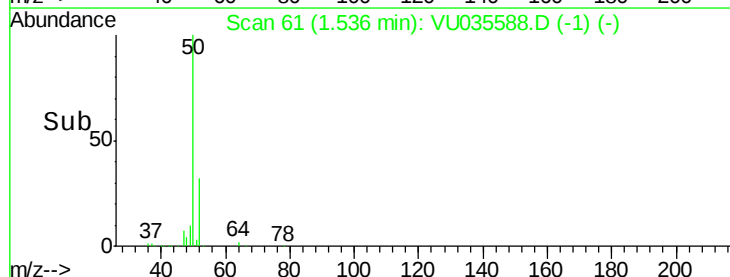
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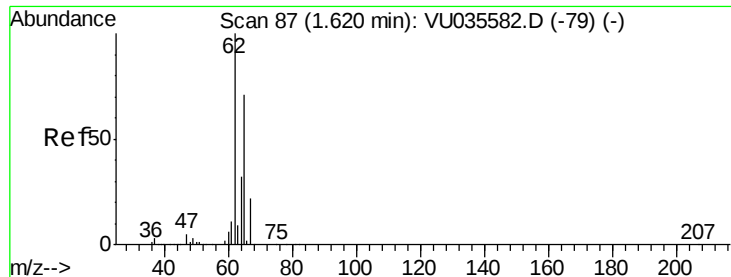
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 46.881 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

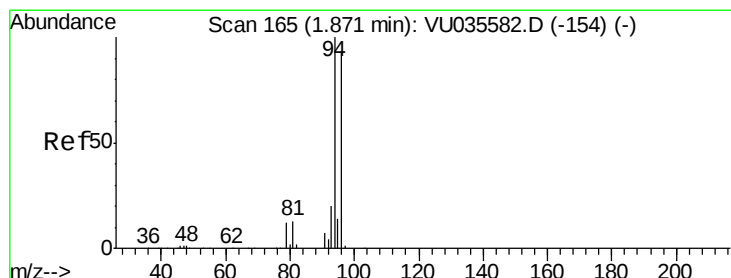
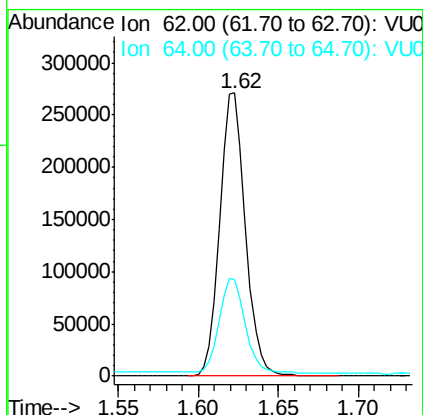
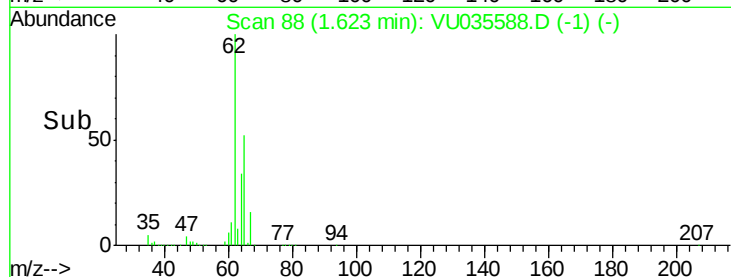
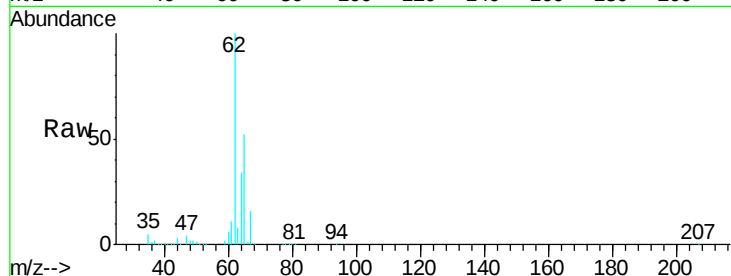
VSTD05033

Tgt Ion: 62 Resp: 299206

Ion Ratio Lower Upper

62 100

64 34.2 23.7 43.9



#6

Bromomethane

Concen: 48.032 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU035588.D

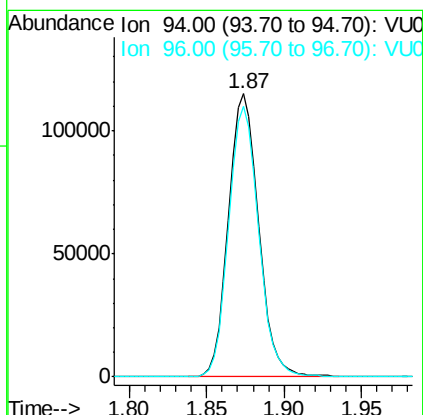
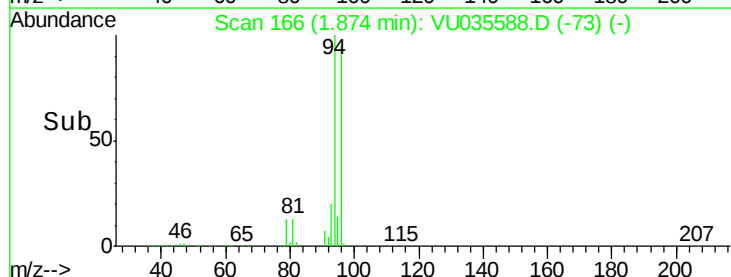
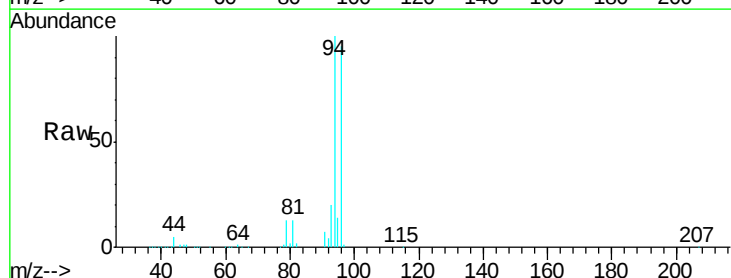
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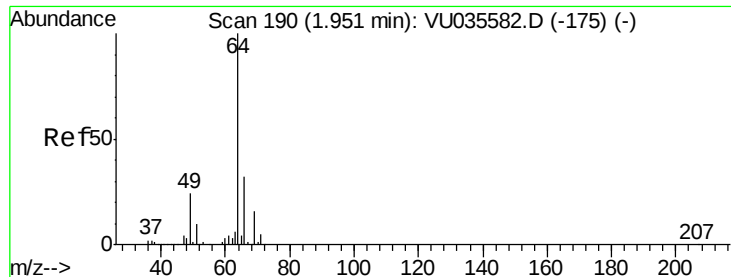
Tgt Ion: 94 Resp: 155273

Ion Ratio Lower Upper

94 100

96 95.5 67.5 125.4

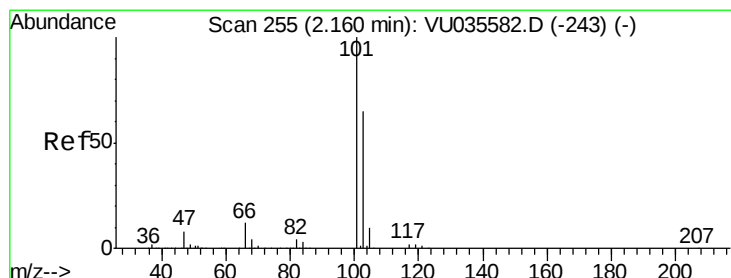
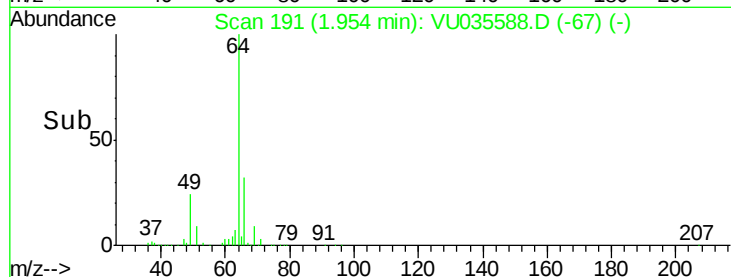
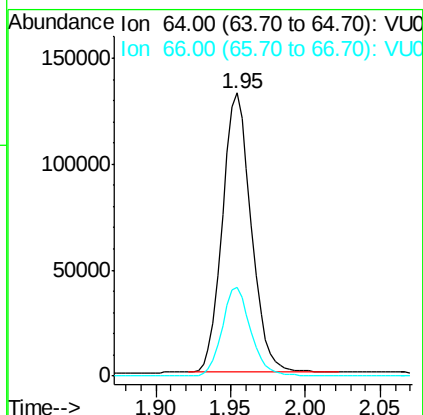
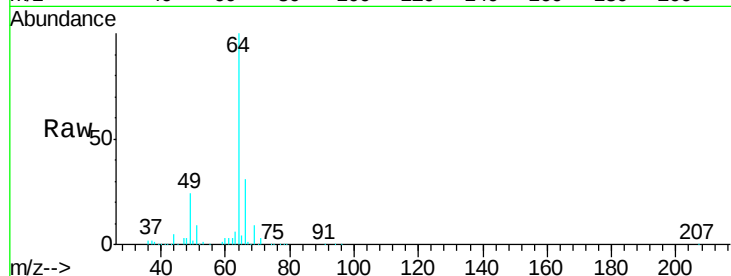




#8
Chloroethane
Concen: 47.685 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU035588.D
Acq: 01 Nov 2019 09:19

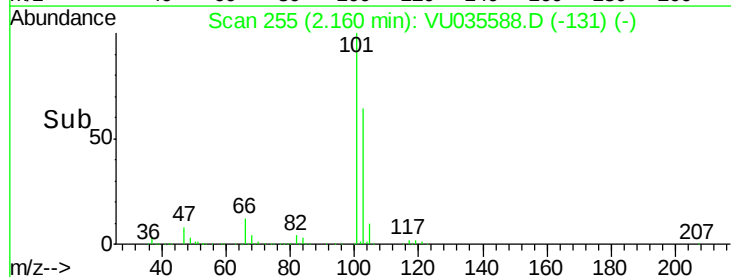
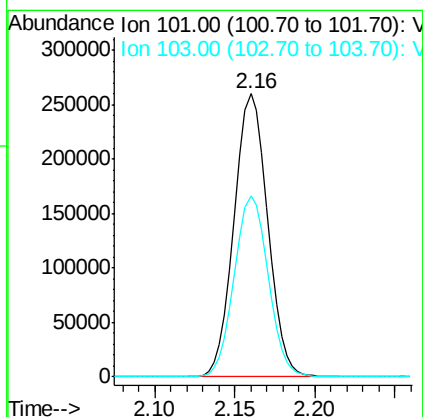
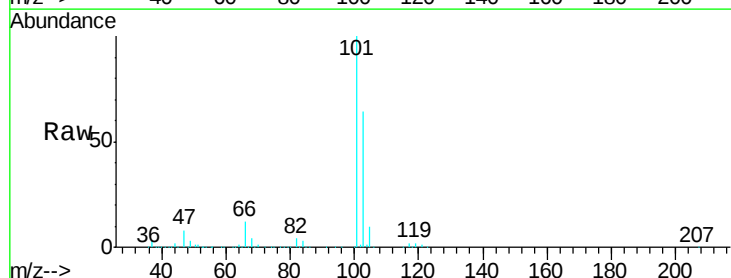
Instrument :
MSVOA_U
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VSTD05033

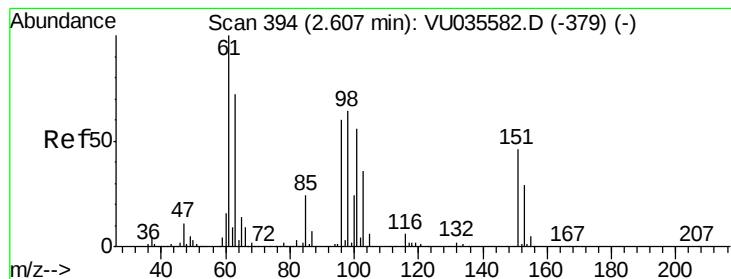
Tgt Ion: 64 Resp: 177006
Ion Ratio Lower Upper
64 100
66 31.4 22.8 42.4



#9
Trichlorofluoromethane
Concen: 49.071 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU035588.D
Acq: 01 Nov 2019 09:19

Tgt Ion: 101 Resp: 370986
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.6





#10

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

Concen: 50.701 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

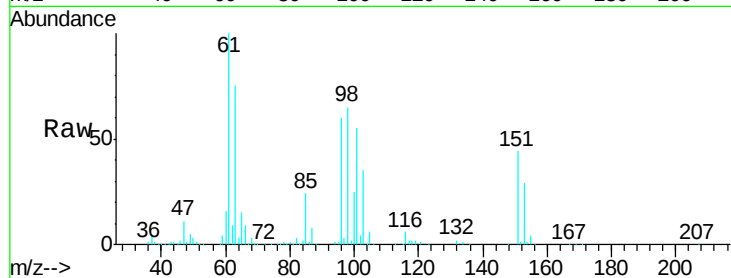
Tgt Ion: 101 Resp: 220056

Ion Ratio Lower Upper

101 100

85 42.6 34.0 51.0

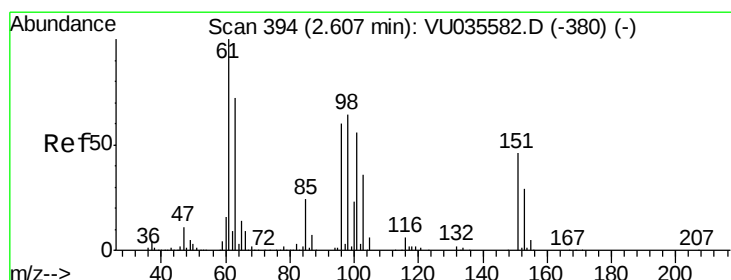
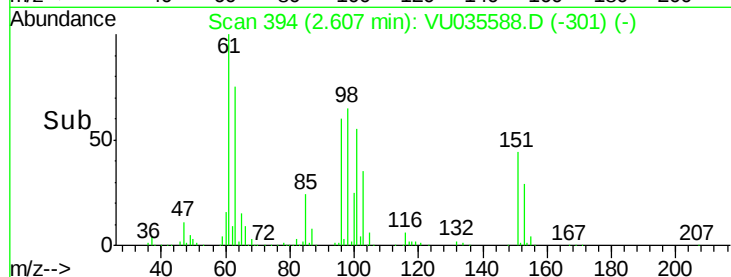
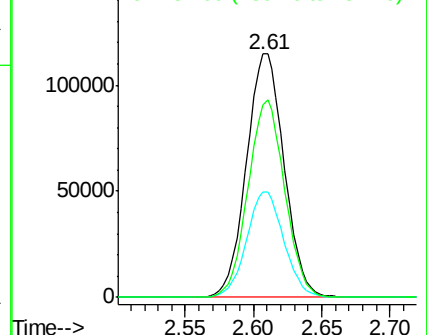
151 79.0 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 48.924 ug/L

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

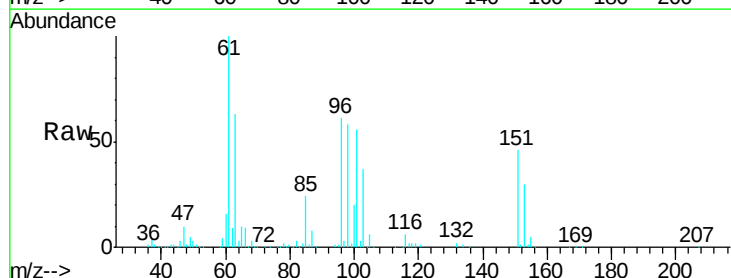
Tgt Ion: 96 Resp: 208569

Ion Ratio Lower Upper

96 100

61 162.8 113.1 210.1

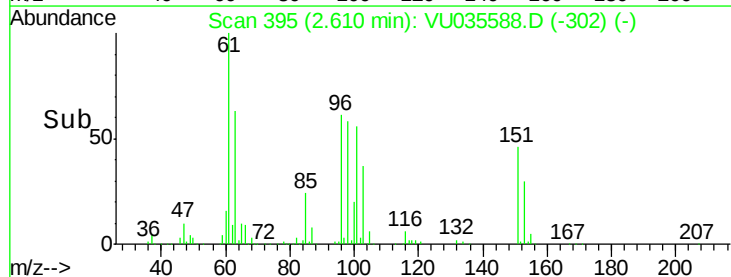
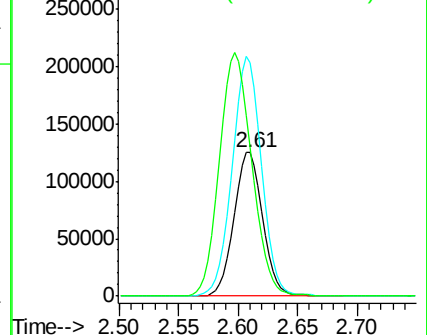
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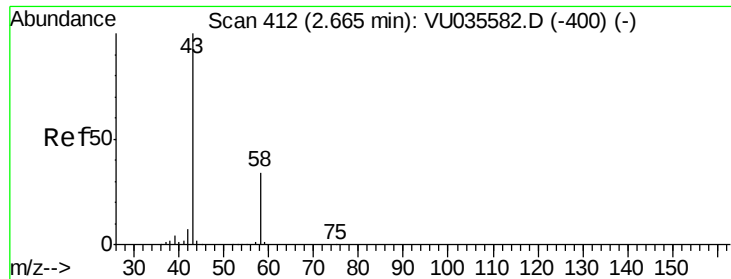


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 117.584 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

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ClientSampleId :

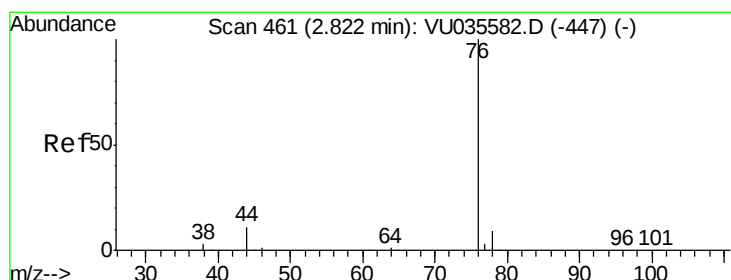
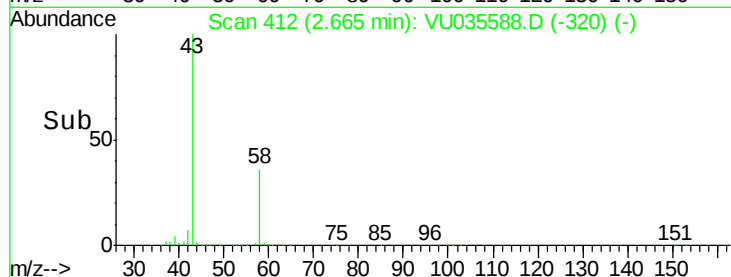
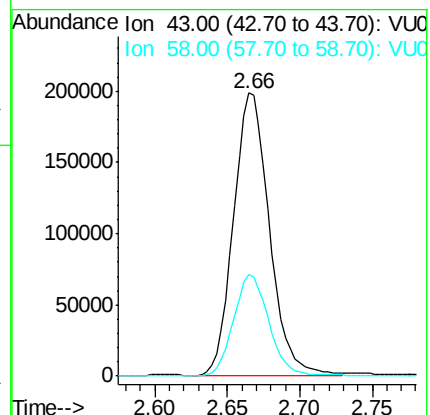
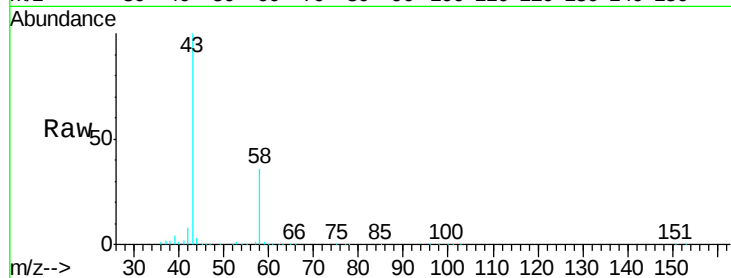
VSTD05033

Tgt Ion: 43 Resp: 340620

Ion Ratio Lower Upper

43 100

58 35.3 0.0 70.0



#14

Carbon disulfide

Concen: 46.292 ug/L

RT: 2.83 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU035588.D

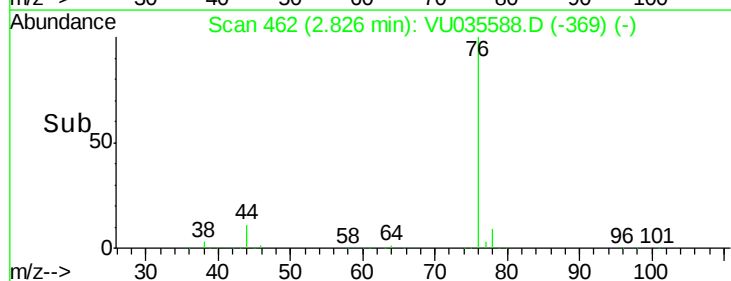
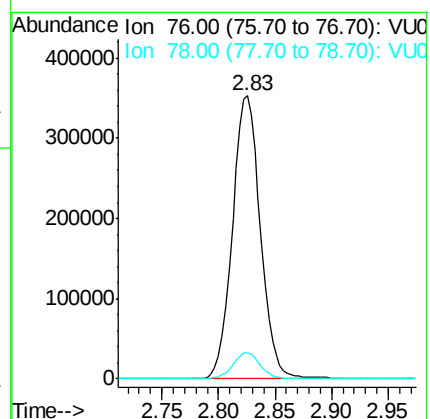
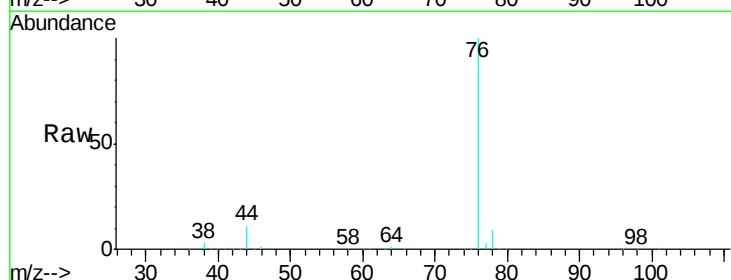
Acq: 01 Nov 2019 09:19

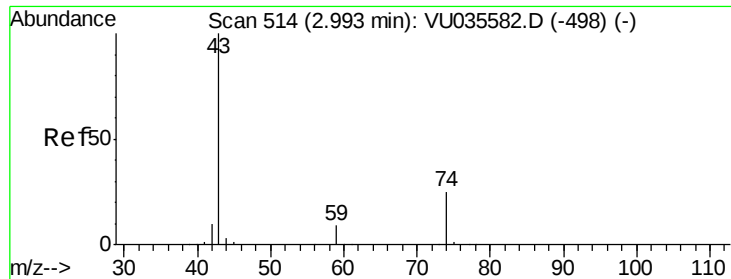
Tgt Ion: 76 Resp: 608002

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0





#15

Methyl Acetate

Concen: 47.938 ug/L

RT: 2.99 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

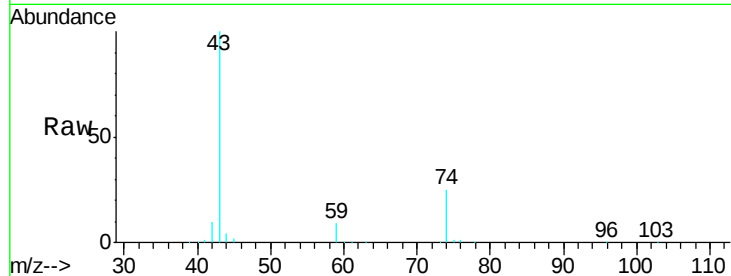
VSTD05033

Tgt Ion: 43 Resp: 251524

Ion Ratio Lower Upper

43 100

74 25.1 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VU035588.D (-498) (-)

Ion 74.00 (73.70 to 74.70): VU035588.D (-498) (-)

2.99

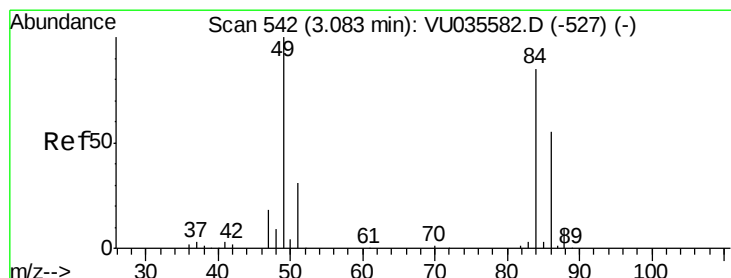
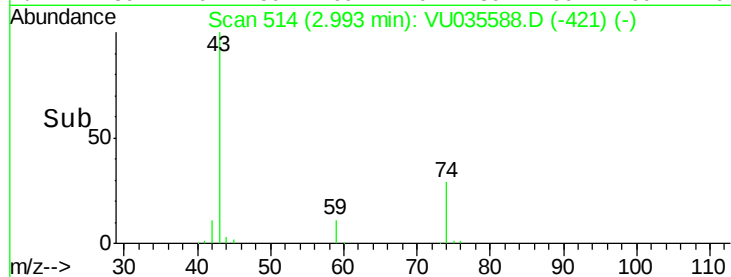
150000

100000

50000

0

Time-->



#16

Methylene chloride

Concen: 48.182 ug/L

RT: 3.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

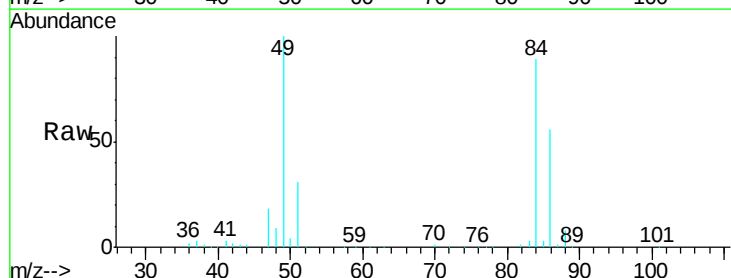
Tgt Ion: 84 Resp: 250625

Ion Ratio Lower Upper

84 100

86 63.5 45.1 83.7

49 112.6 82.7 153.5



Abundance Ion 84.00 (83.70 to 84.70): VU035588.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035588.D (-527) (-)

Ion 49.00 (48.70 to 49.70): VU035588.D (-527) (-)

3.09

200000

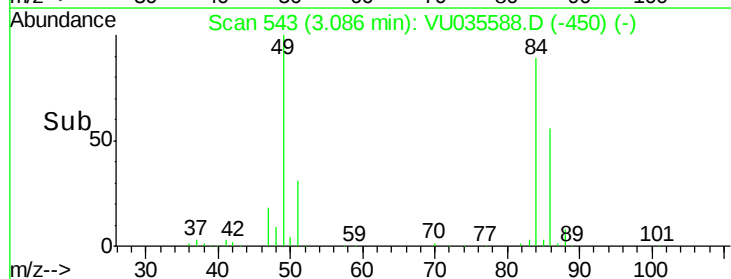
150000

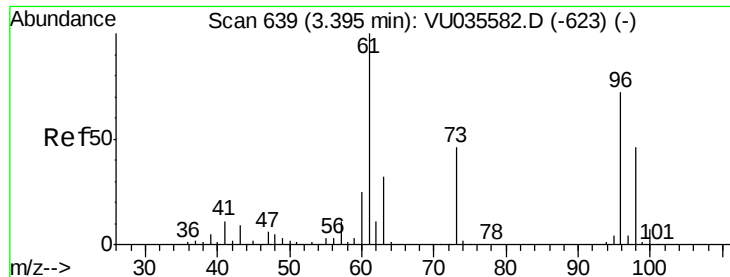
100000

50000

0

Time-->





#17

trans-1,2-Dichloroethene

Concen: 48.368 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

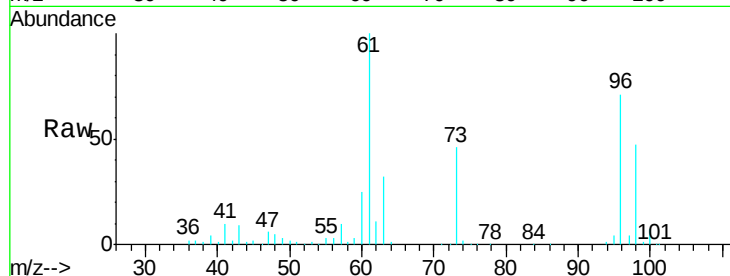
Tgt Ion: 96 Resp: 217143

Ion Ratio Lower Upper

96 100

61 140.4 95.3 176.9

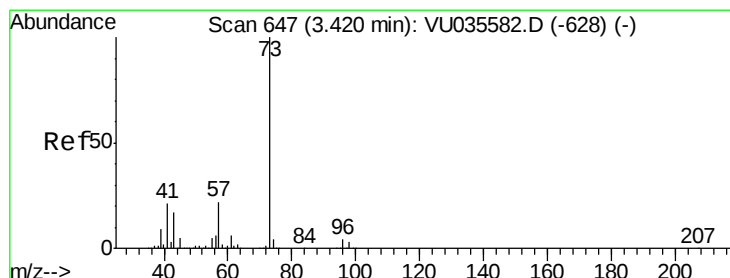
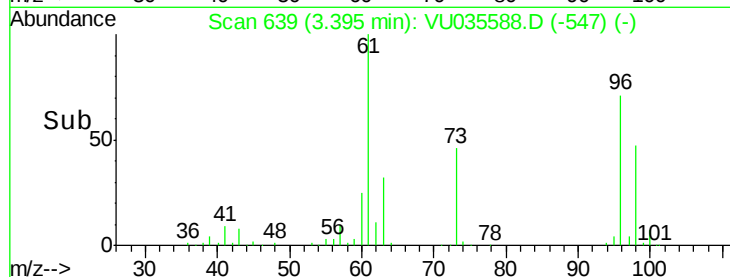
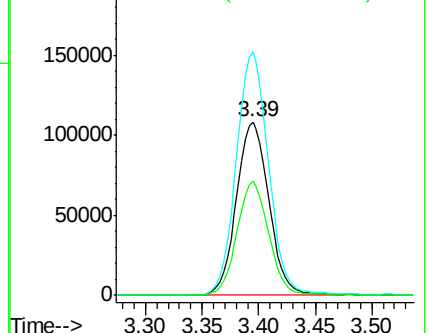
98 65.6 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU035582.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU035582.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU035582.D (-623) (-)



#18

Methyl tert-butyl Ether

Concen: 49.541 ug/L

RT: 3.42 min Scan# 647

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

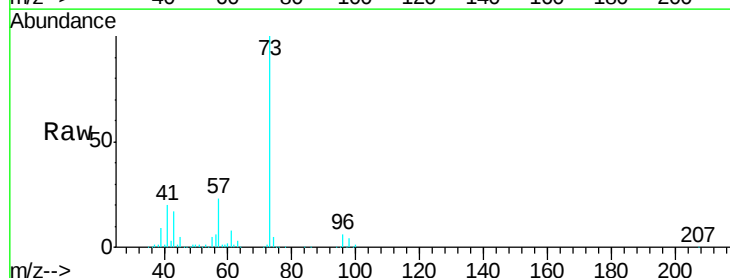
Tgt Ion: 73 Resp: 672424

Ion Ratio Lower Upper

73 100

43 17.5 14.2 21.2

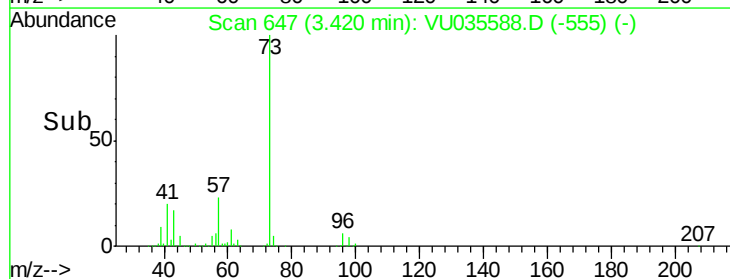
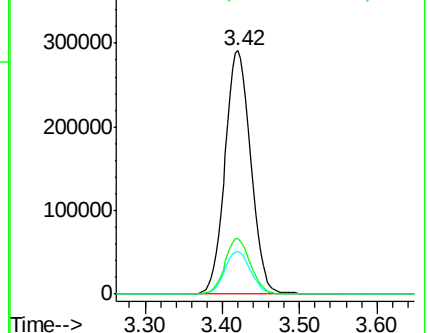
57 22.6 18.3 27.5

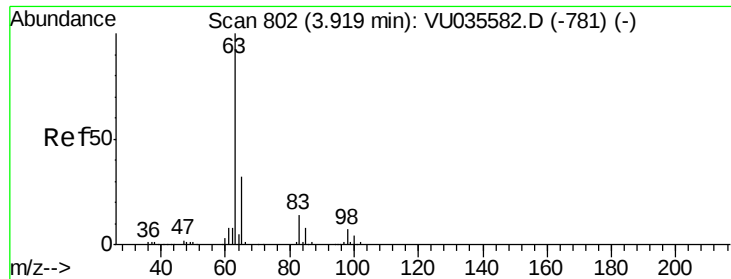


Abundance Ion 73.00 (72.70 to 73.70): VU035582.D (-628) (-)

Ion 43.00 (42.70 to 43.70): VU035582.D (-628) (-)

Ion 57.00 (56.70 to 57.70): VU035582.D (-628) (-)

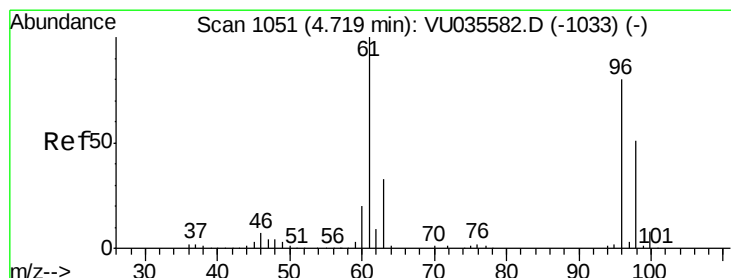
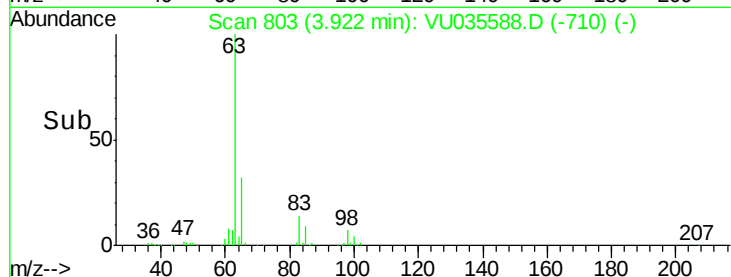
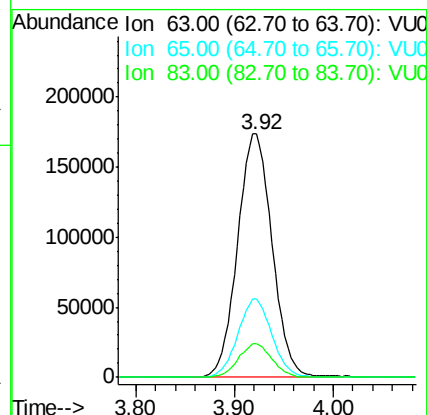
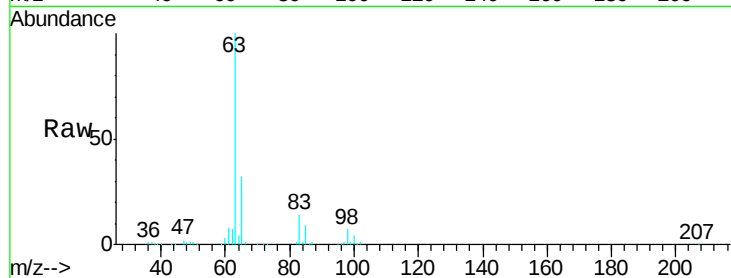




#19
 1,1-Dichloroethane
 Concen: 48.786 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

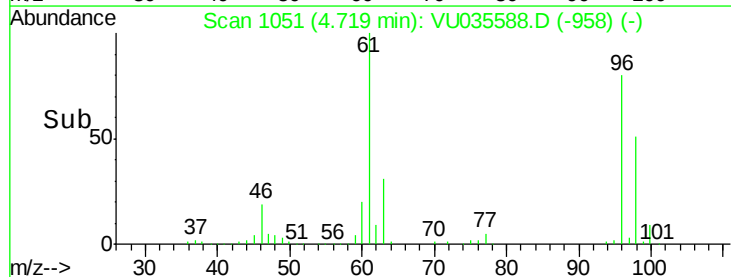
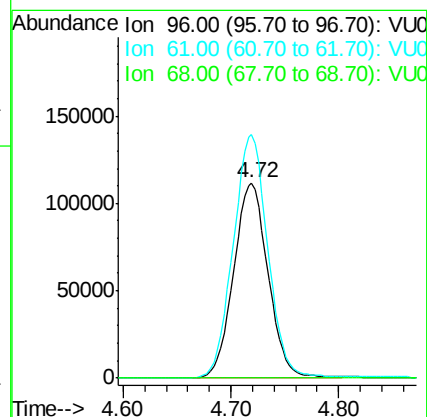
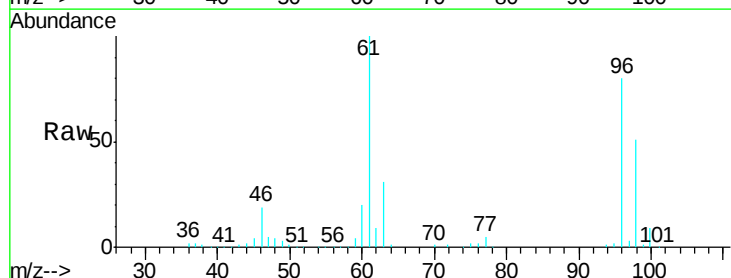
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

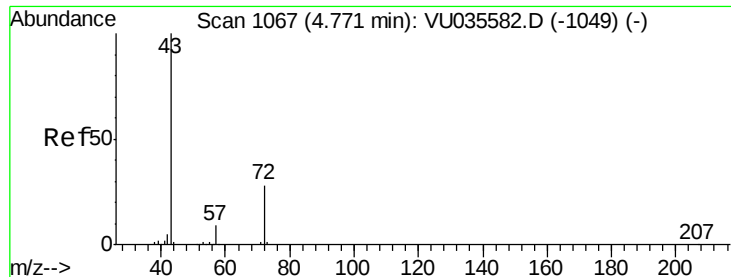
Tgt Ion: 63 Resp: 422494
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.1 41.1
 83 14.0 9.1 16.9



#20
 cis-1,2-Dichloroethene
 Concen: 49.160 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

Tgt Ion: 96 Resp: 248928
 Ion Ratio Lower Upper
 96 100
 61 124.5 90.6 168.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.707 ug/L

RT: 4.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

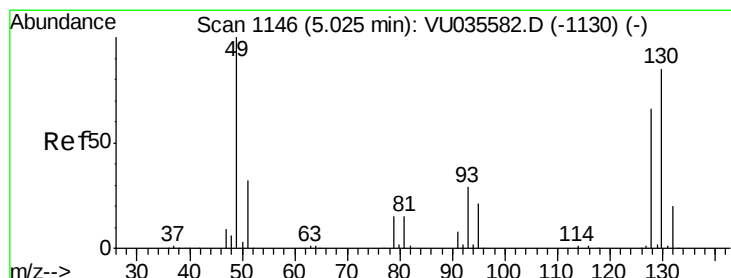
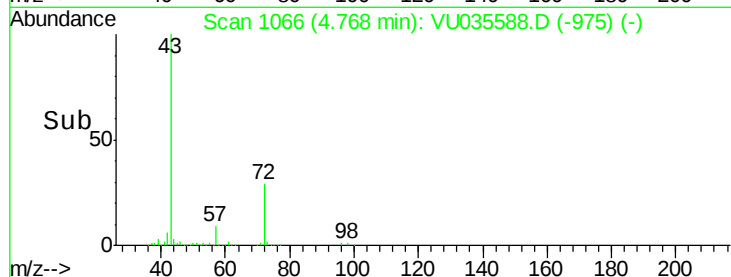
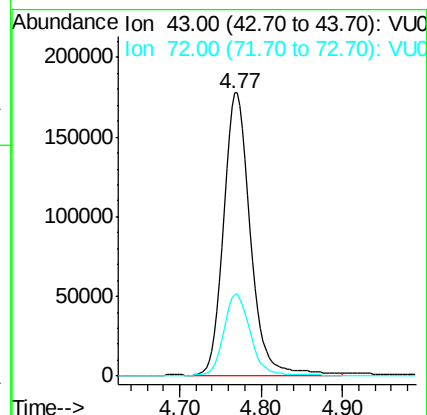
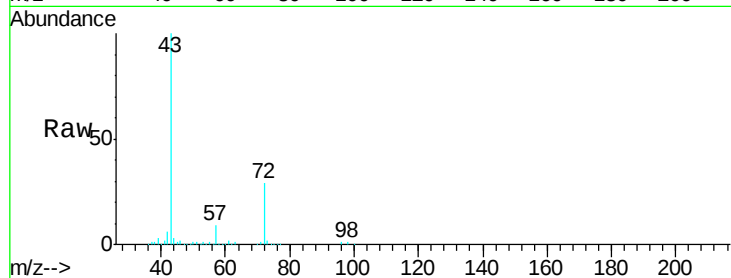
VSTD05033

Tgt Ion: 43 Resp: 411872

Ion Ratio Lower Upper

43 100

72 27.7 13.5 40.4



#23

Bromochloromethane

Concen: 49.026 ug/L

RT: 5.02 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Tgt Ion: 128 Resp: 131183

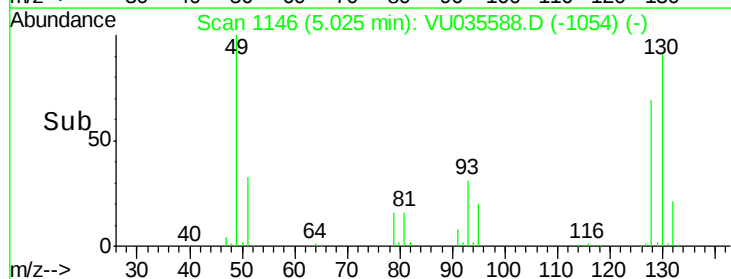
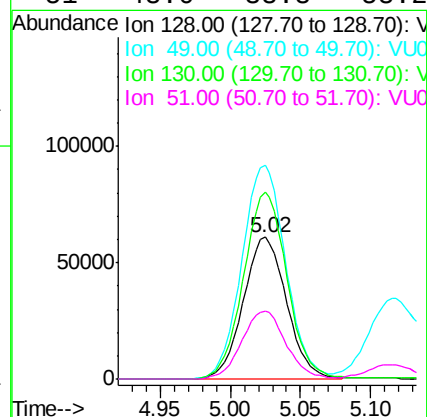
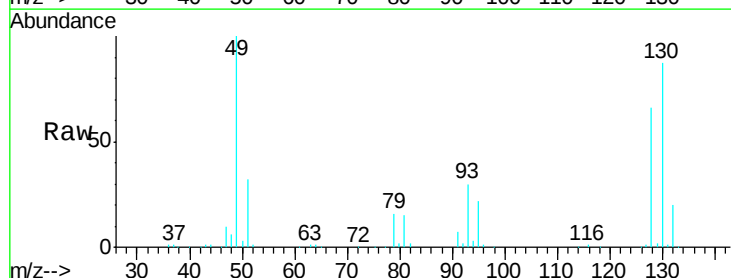
Ion Ratio Lower Upper

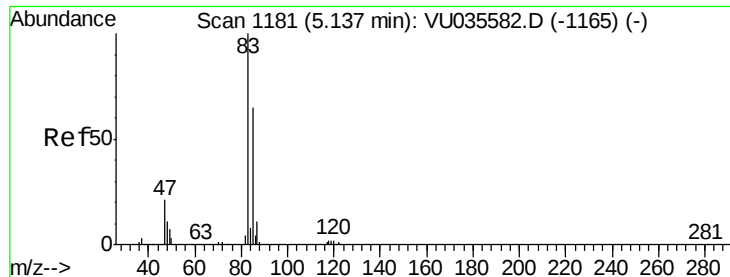
128 100

49 150.5 106.4 197.6

130 131.5 88.1 163.5

51 48.0 38.8 58.2

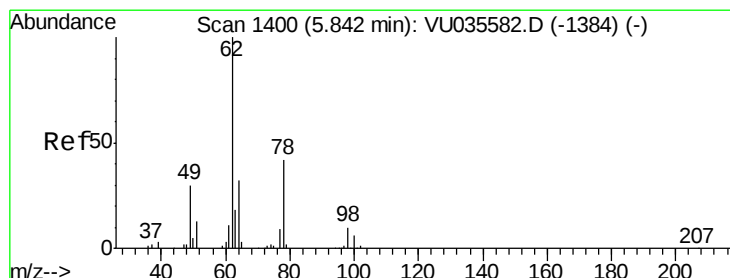
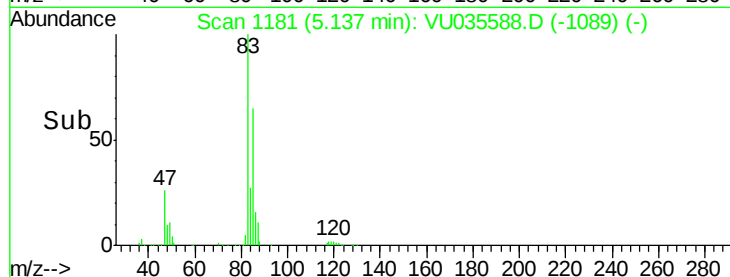
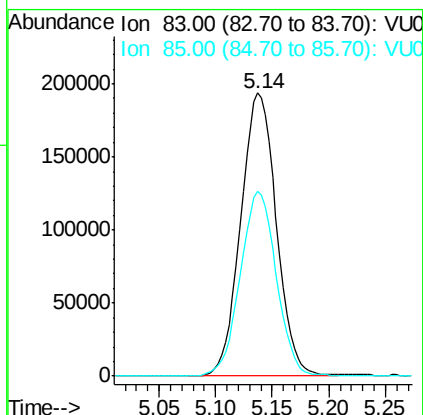
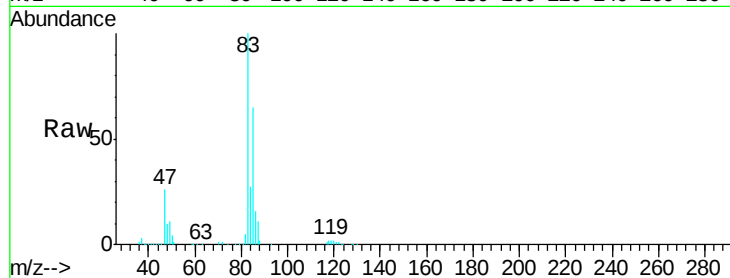




#25
Chloroform
Concen: 48.327 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035588.D
Acq: 01 Nov 2019 09:19

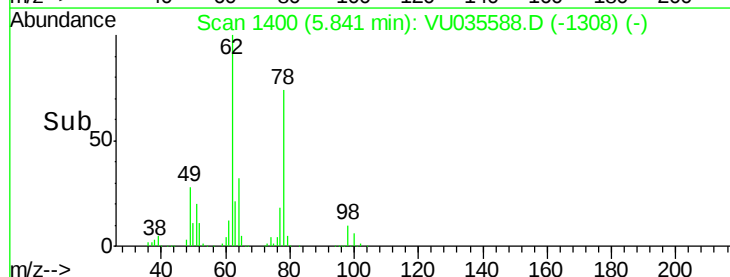
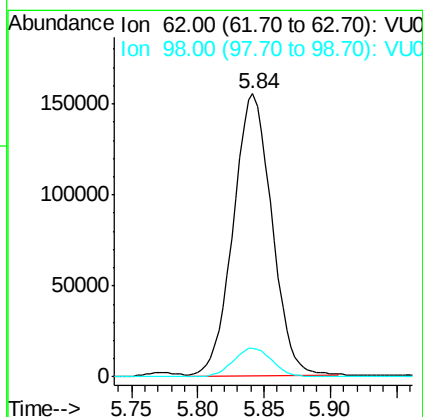
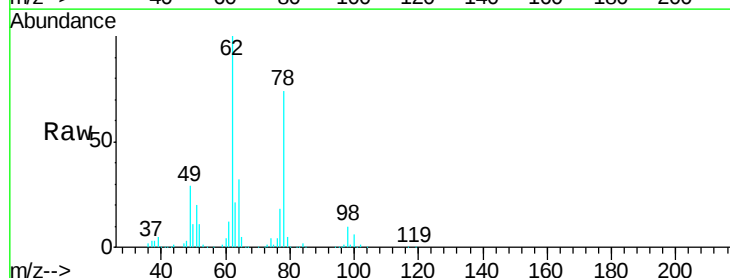
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

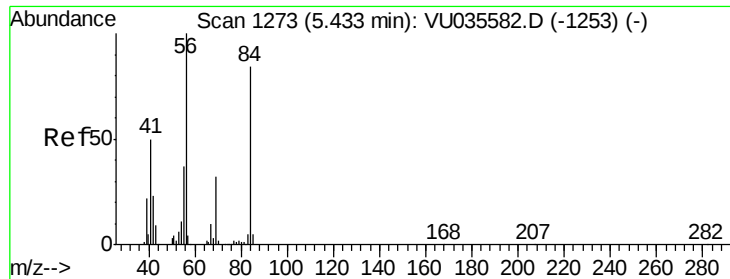
Tgt Ion: 83 Resp: 425050
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 48.697 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. -0.00 min
Lab File: VU035588.D
Acq: 01 Nov 2019 09:19

Tgt Ion: 62 Resp: 312909
Ion Ratio Lower Upper
62 100
98 10.1 8.2 12.2





#29

Cyclohexane

Concen: 50.748 ug/L

RT: 5.43 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

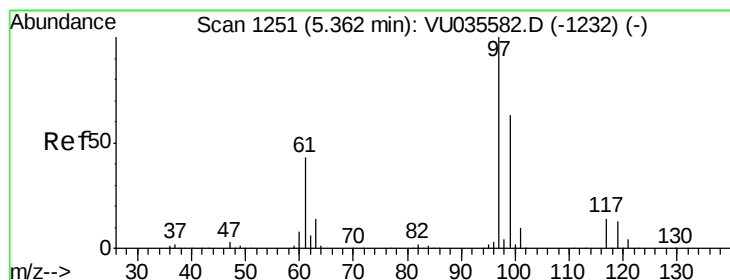
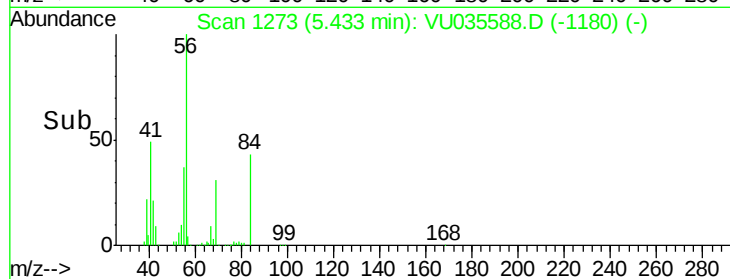
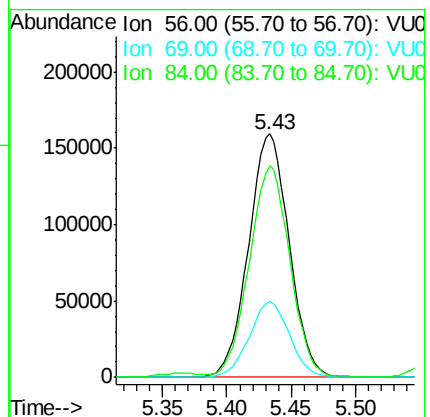
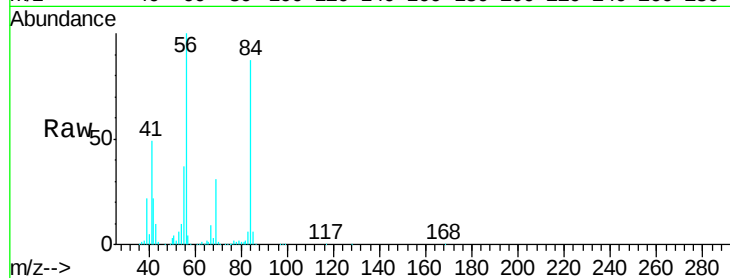
Tgt Ion: 56 Resp: 350064

Ion Ratio Lower Upper

56 100

69 30.9 24.4 36.6

84 86.0 68.6 102.8



#30

1,1,1-Trichloroethane

Concen: 49.754 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

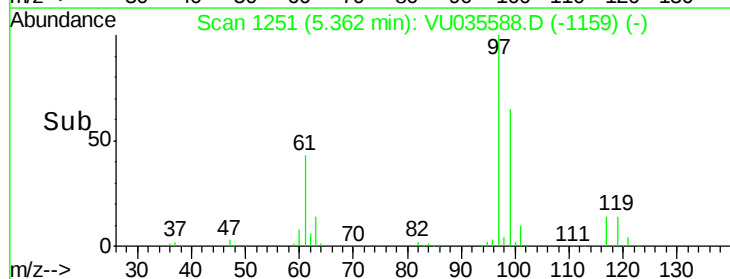
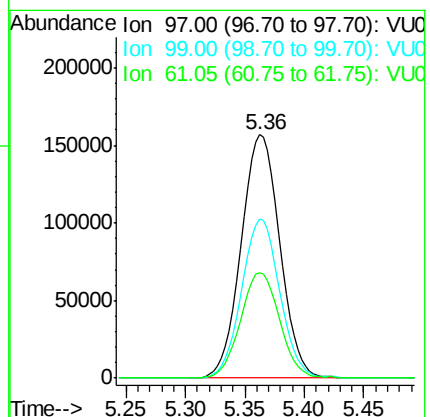
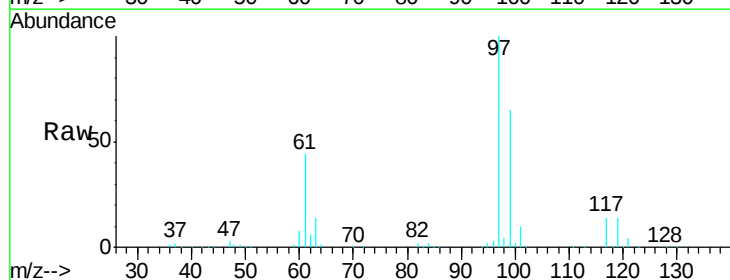
Tgt Ion: 97 Resp: 353656

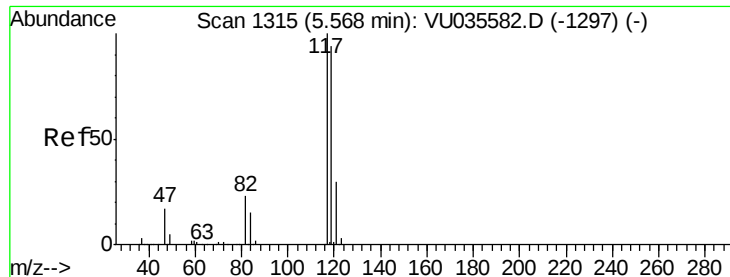
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 43.4 35.1 52.7





#31

Carbon tetrachloride

Concen: 50.282 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

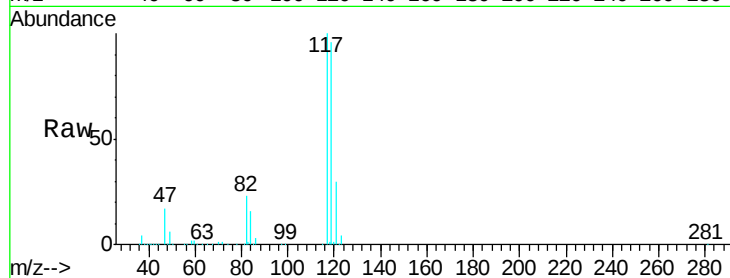
VSTD05033

Tgt Ion:117 Resp: 317797

Ion Ratio Lower Upper

117 100

119 96.3 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

5.57

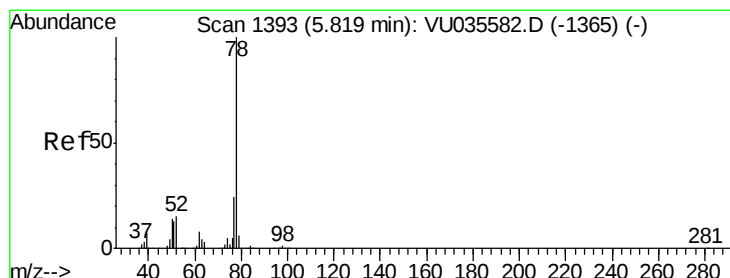
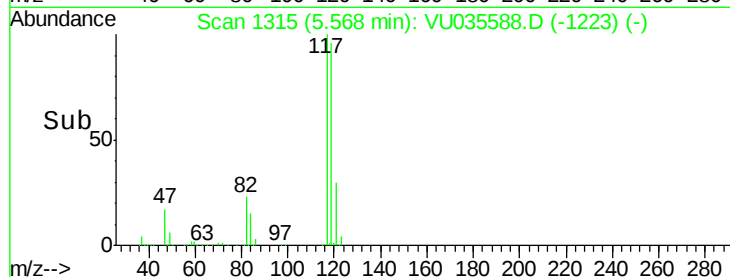
150000

100000

50000

0

Time--> 5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 50.204 ug/L

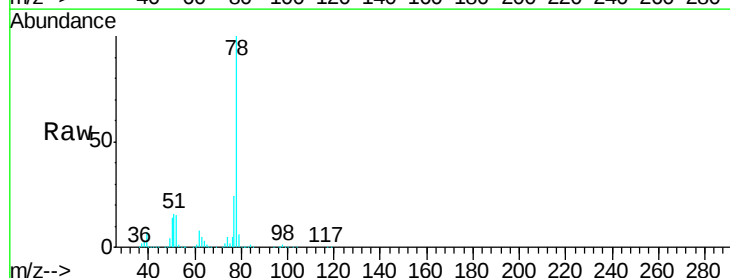
RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Tgt Ion: 78 Resp: 954206



Abundance Ion 78.00 (77.70 to 78.70): VU0

5.82

500000

400000

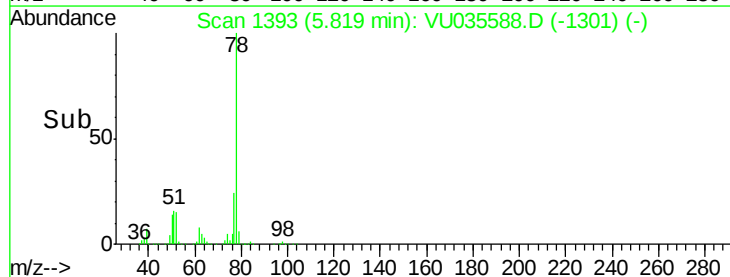
300000

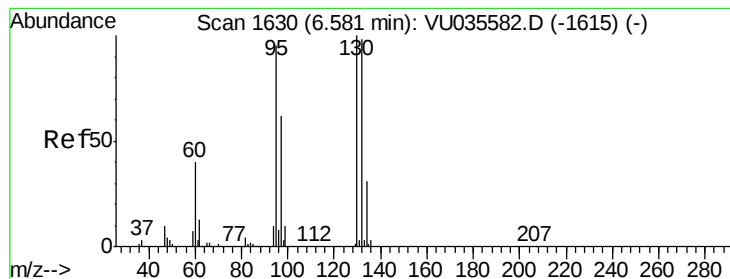
200000

100000

0

Time--> 5.70 5.80 5.90





#34

Trichloroethene

Concen: 48.940 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

Tgt Ion: 95 Resp: 236476

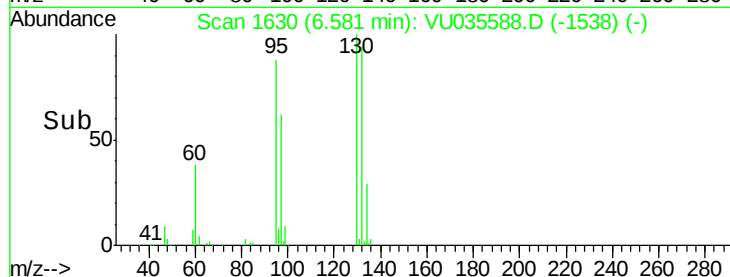
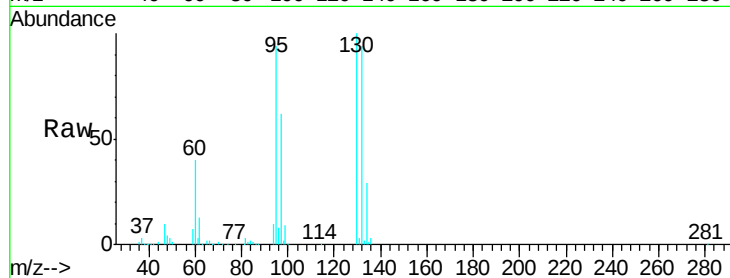
Ion Ratio Lower Upper

95 100

97 65.4 45.6 84.6

132 99.2 69.9 129.7

130 106.1 73.1 135.7



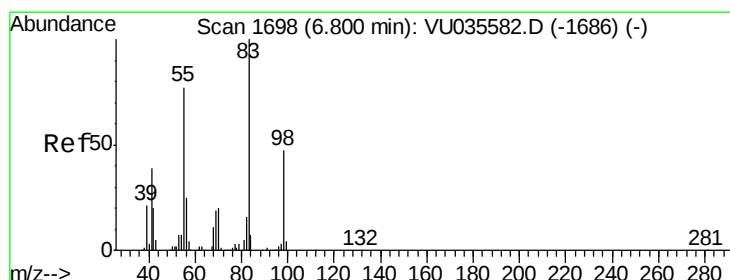
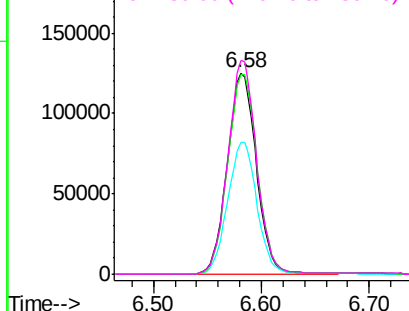
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 50.385 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

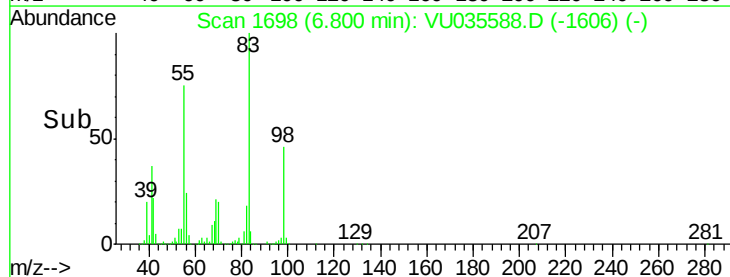
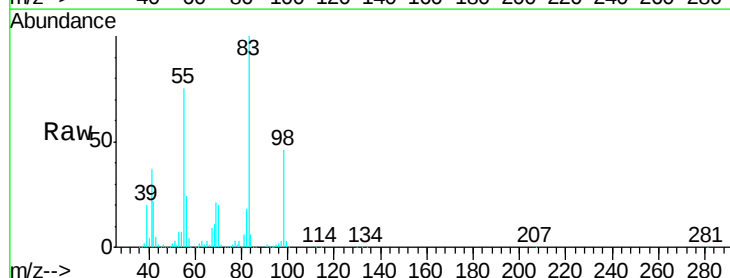
Tgt Ion: 83 Resp: 353587

Ion Ratio Lower Upper

83 100

55 74.7 61.0 91.4

98 45.7 36.6 54.8

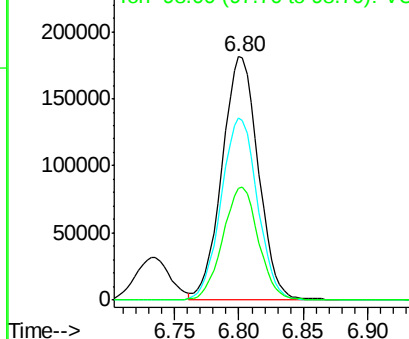


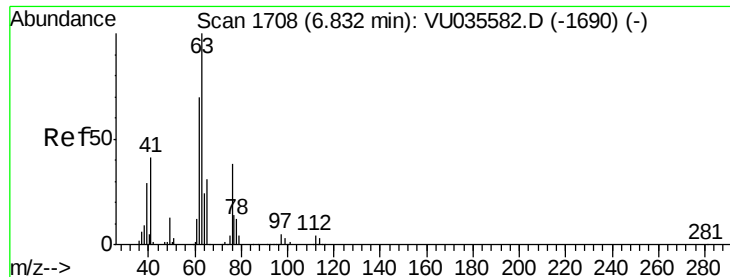
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 50.361 ug/L

RT: 6.83 min Scan# 1708

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

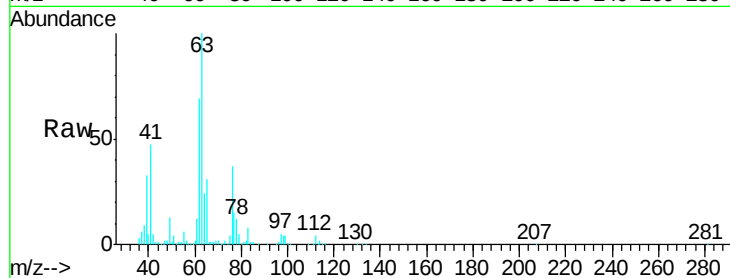
VSTD05033

Tgt Ion: 63 Resp: 256327

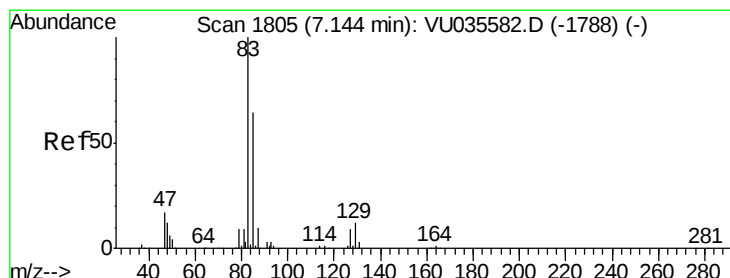
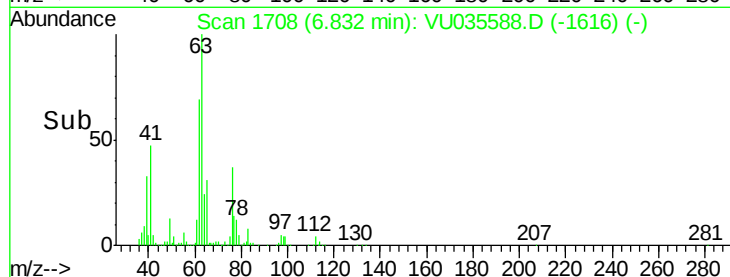
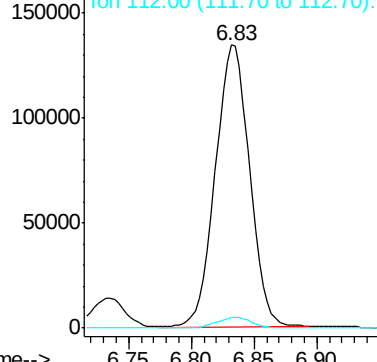
Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



Abundance Ion 63.00 (62.70 to 63.70): VU035588.D (-1690) (-)



#38

Bromodichloromethane

Concen: 50.072 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

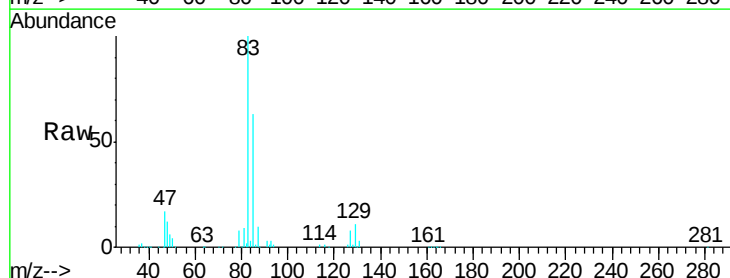
Tgt Ion: 83 Resp: 323944

Ion Ratio Lower Upper

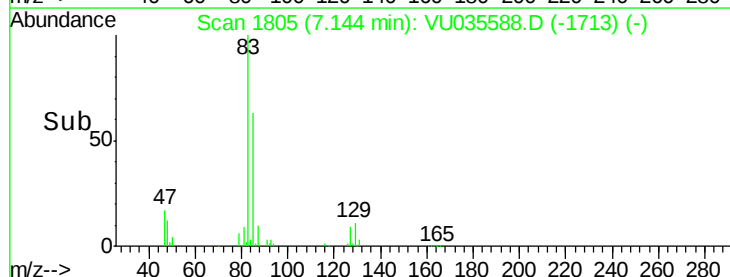
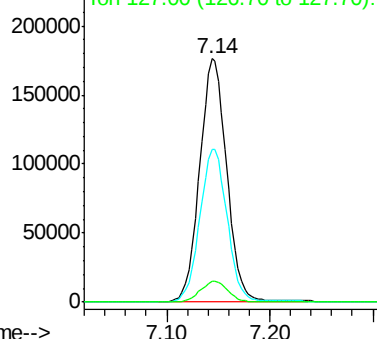
83 100

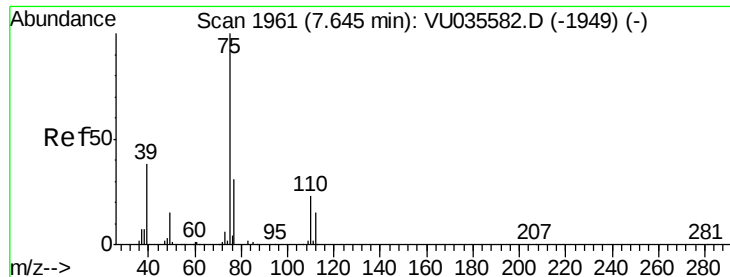
85 62.8 45.1 83.7

127 8.5 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VU035588.D (-1788) (-)

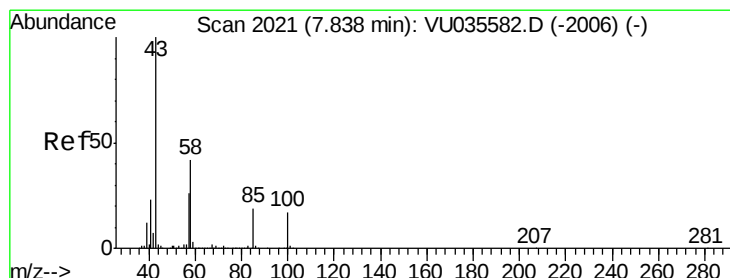
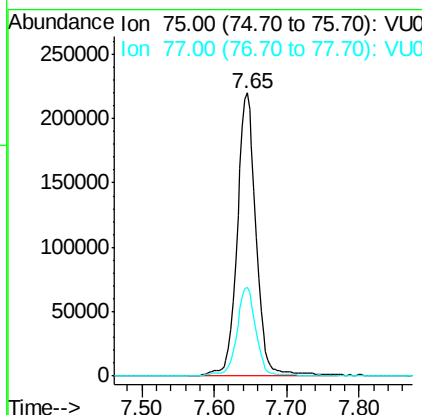
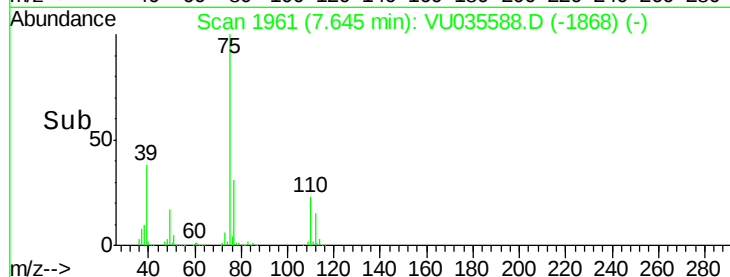
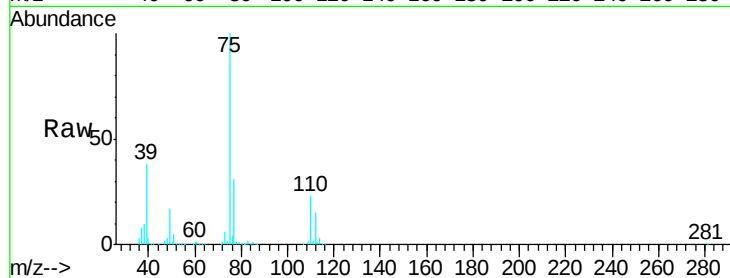




#39
 cis-1,3-Dichloropropene
 Concen: 52.924 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

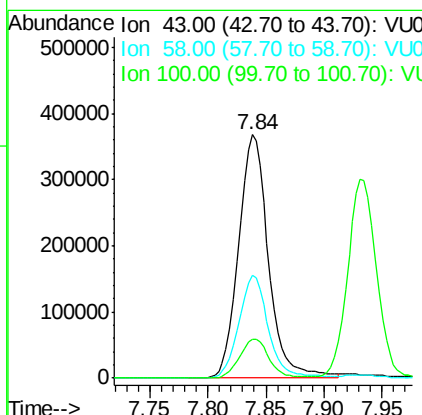
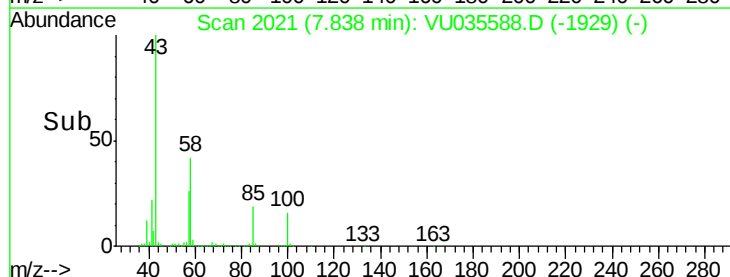
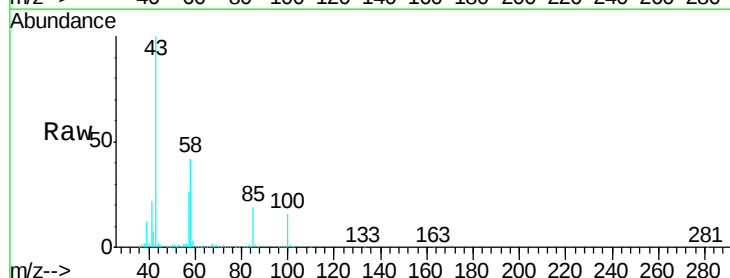
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

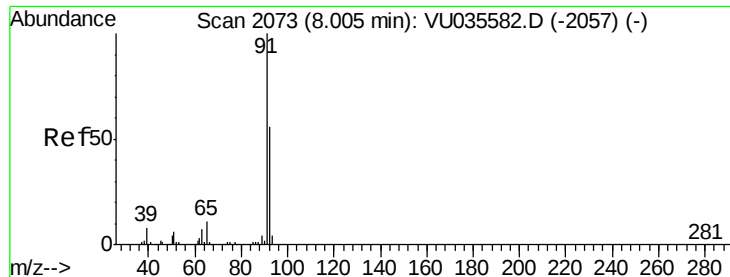
Tgt Ion: 75 Resp: 400391
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 96.614 ug/L
 RT: 7.84 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

Tgt Ion: 43 Resp: 657874
 Ion Ratio Lower Upper
 43 100
 58 41.5 32.6 49.0
 100 16.0 12.6 19.0





#42

Toluene

Concen: 52.122 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

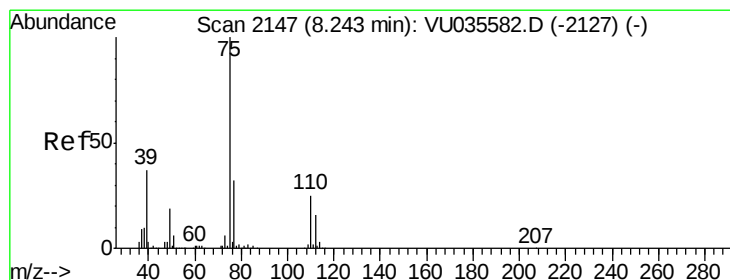
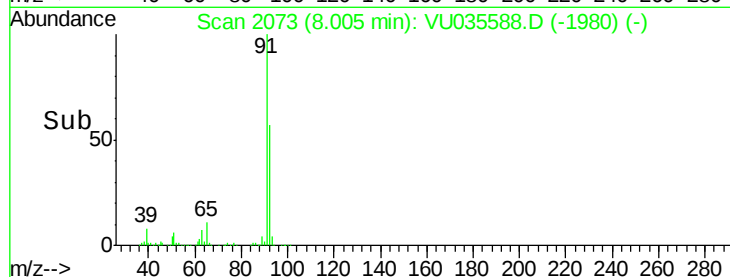
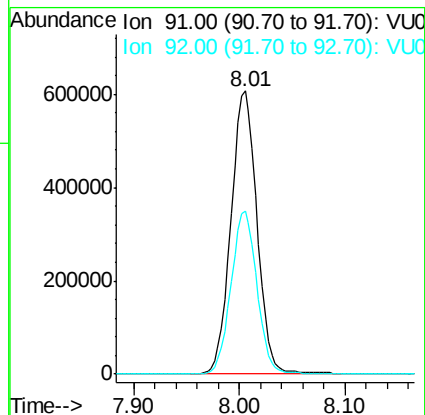
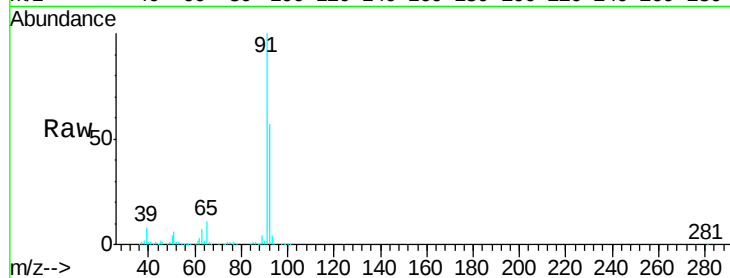
VSTD05033

Tgt Ion: 91 Resp: 1038298

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 50.794 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035588.D

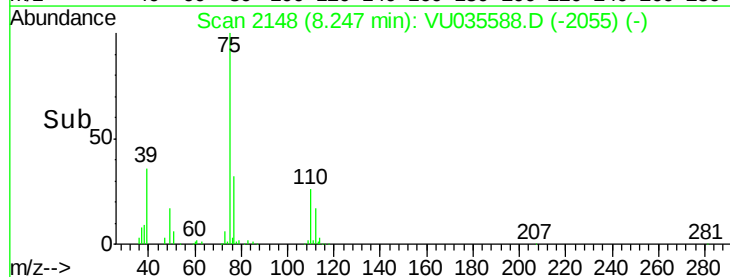
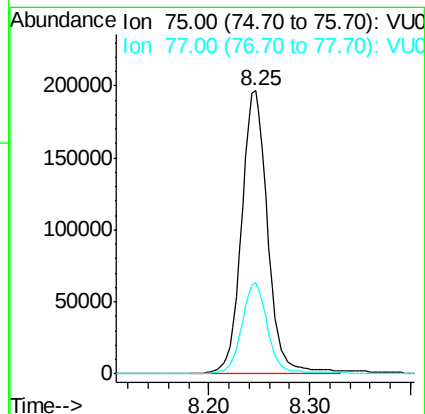
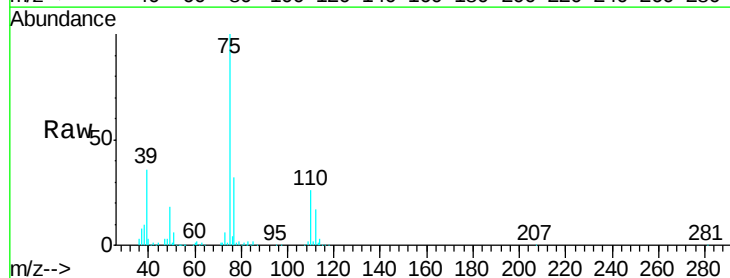
Acq: 01 Nov 2019 09:19

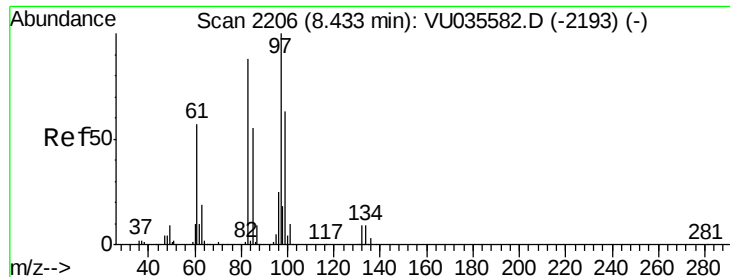
Tgt Ion: 75 Resp: 352245

Ion Ratio Lower Upper

75 100

77 32.1 22.1 41.1

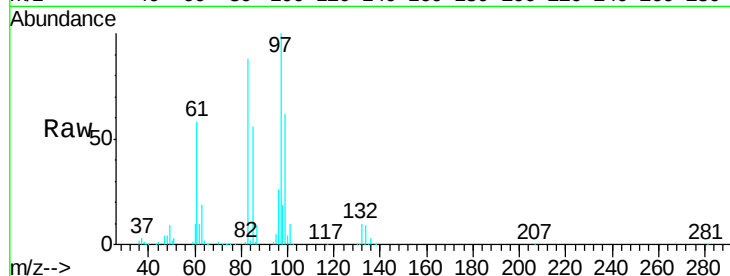




#45
 1,1,2-Trichloroethane
 Concen: 50.165 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

Tgt Ion:	97	Resp:	244735
Ion	Ratio	Lower	Upper
97	100		
99	62.5	44.2	82.2
83	87.6	61.5	114.3
85	56.2	39.3	73.1

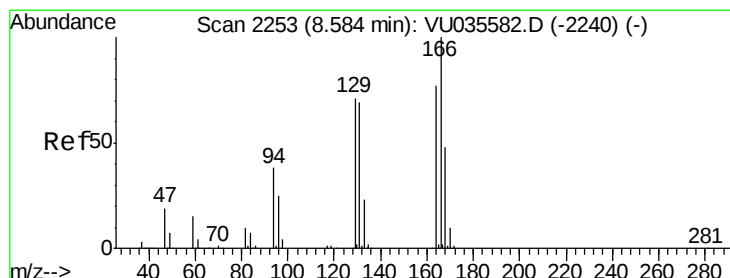
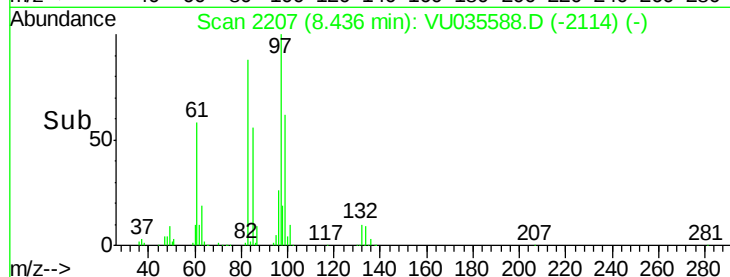
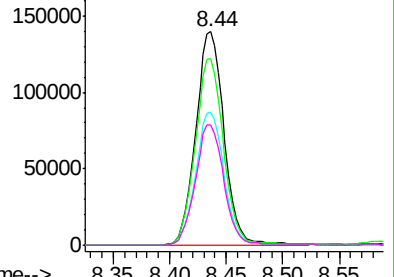


Abundance Ion 97.00 (96.70 to 97.70): VU035588.D (-2193) (-)

Ion 99.00 (98.70 to 99.70): VU035588.D (-2193) (-)

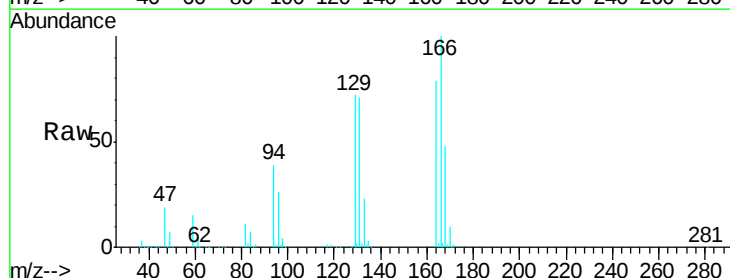
Ion 83.00 (82.70 to 83.70): VU035588.D (-2193) (-)

Ion 85.00 (84.70 to 85.70): VU035588.D (-2193) (-)



#46
 Tetrachloroethene
 Concen: 50.526 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

Tgt Ion:	164	Resp:	204142
Ion	Ratio	Lower	Upper
164	100		
129	91.0	64.1	119.1
131	89.7	63.1	117.1
166	125.9	88.5	164.3

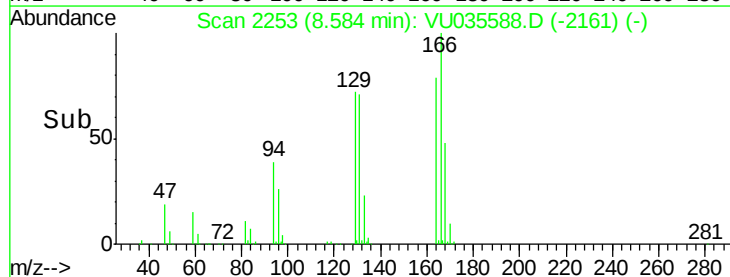
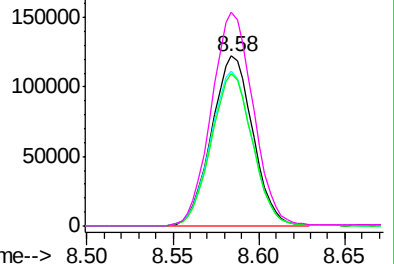


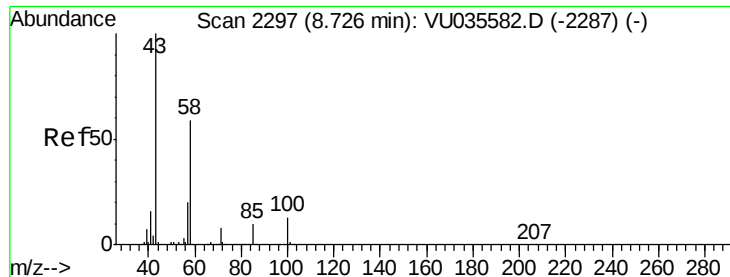
Abundance Ion 164.00 (163.70 to 164.70): VU035588.D (-2240) (-)

Ion 129.00 (128.70 to 129.70): VU035588.D (-2240) (-)

Ion 131.00 (130.70 to 131.70): VU035588.D (-2240) (-)

Ion 166.00 (165.70 to 166.70): VU035588.D (-2240) (-)

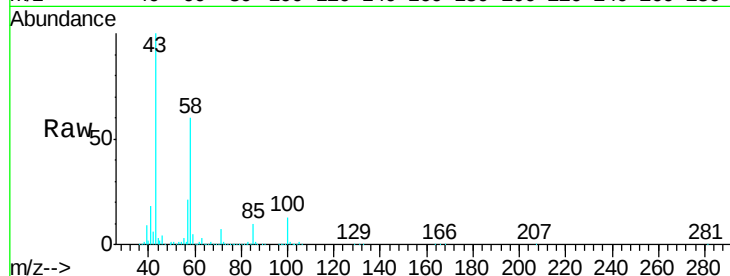




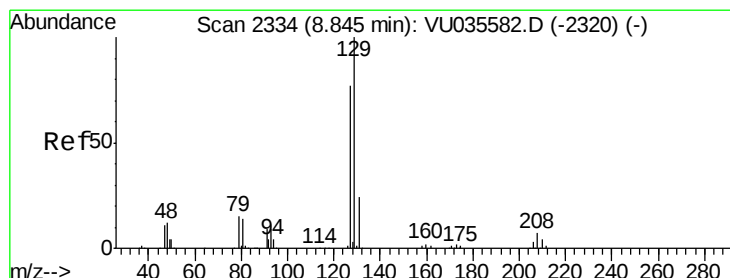
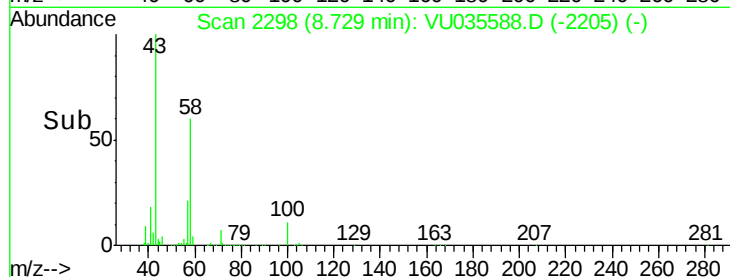
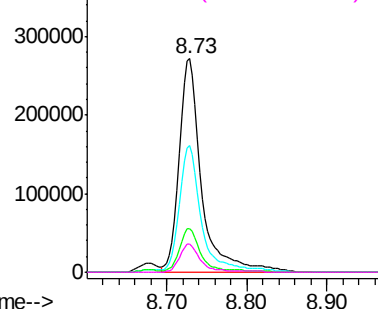
#48
2-Hexanone
Concen: 95.953 ug/L
RT: 8.73 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VU035588.D
Acq: 01 Nov 2019 09:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

Tgt Ion: 43 Resp: 531323
Ion Ratio Lower Upper
43 100
58 54.4 50.4 75.6
57 20.1 17.4 26.0
100 12.0 10.5 15.7

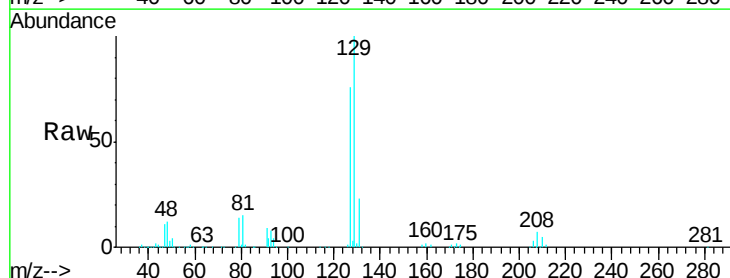


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

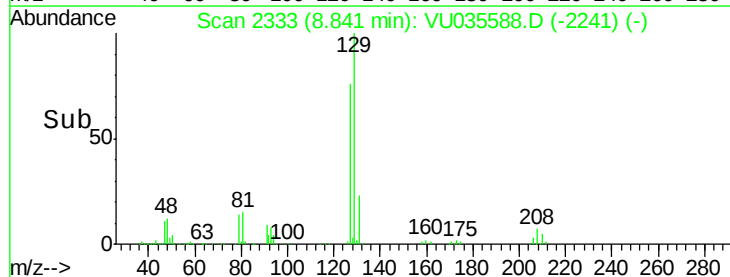
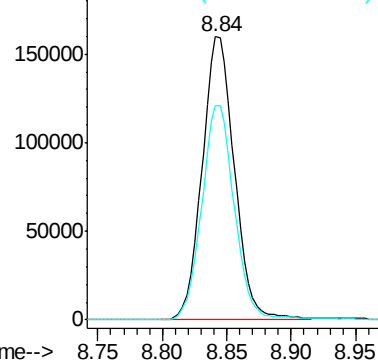


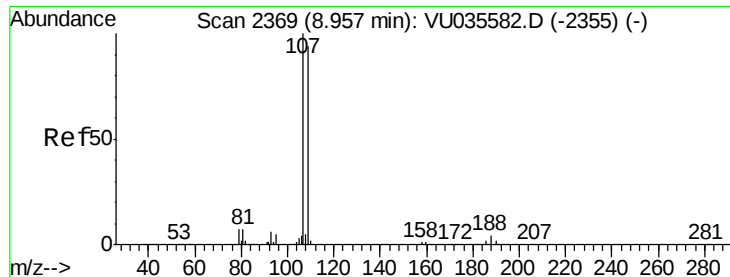
#49
Dibromochloromethane
Concen: 50.444 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. -0.00 min
Lab File: VU035588.D
Acq: 01 Nov 2019 09:19

Tgt Ion: 129 Resp: 277526
Ion Ratio Lower Upper
129 100
127 75.7 54.9 101.9



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

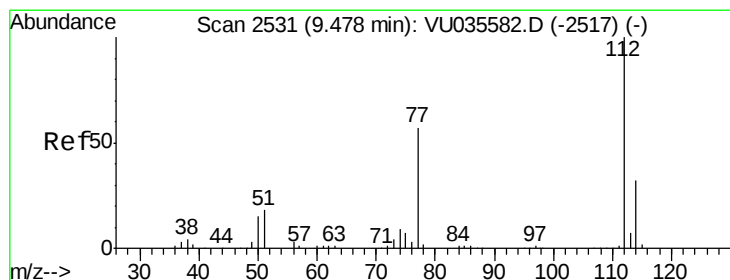
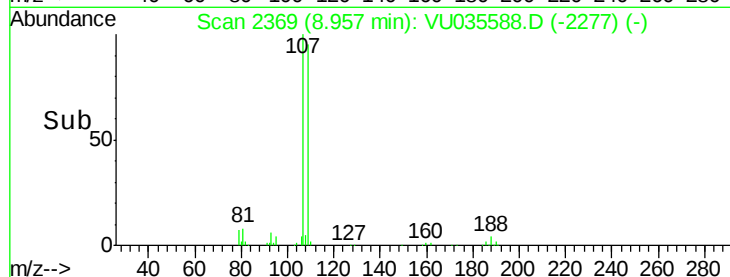
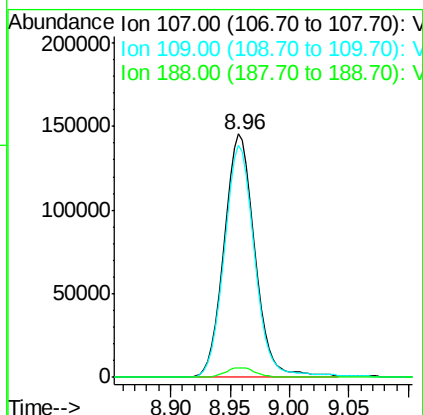
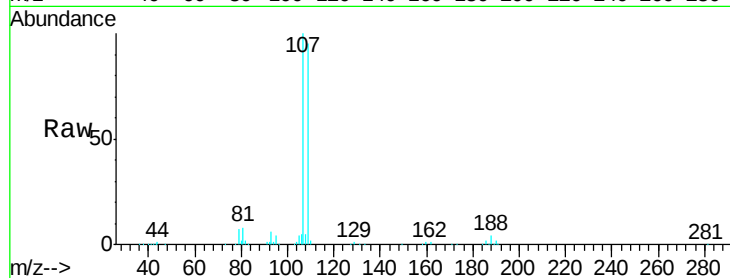




#50
1,2-Dibromoethane
Concen: 50.153 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VU035588.D
Acq: 01 Nov 2019 09:19

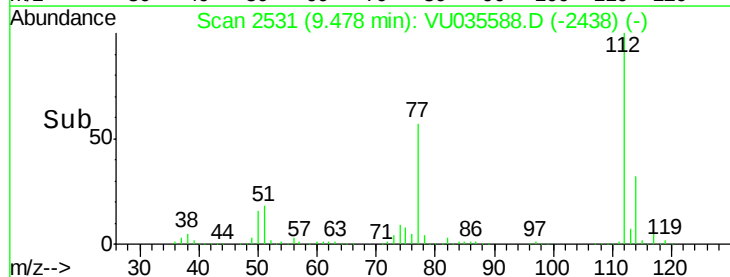
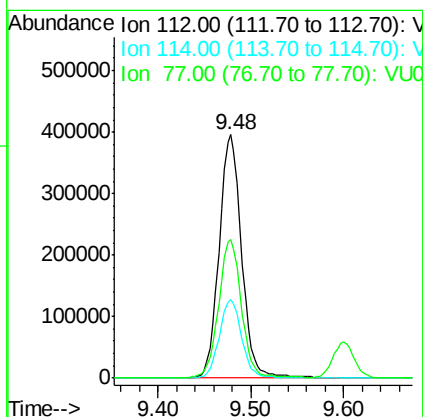
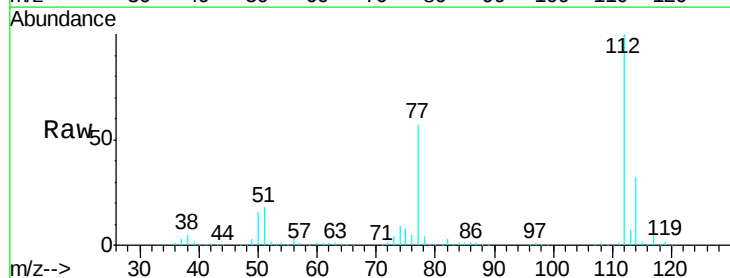
Instrument :
MSVOA_U
ClientSampleId :
VSTD05033

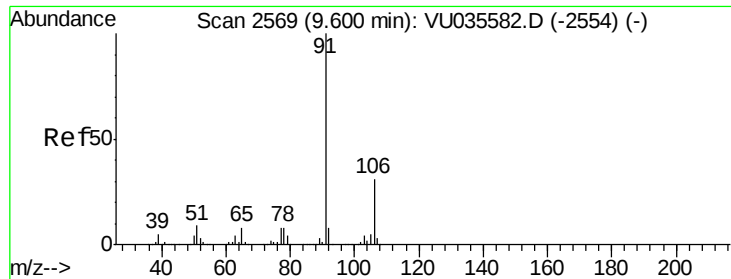
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	66.8	124.2
188	4.0	3.2	4.8



#51
Chlorobenzene
Concen: 49.978 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU035588.D
Acq: 01 Nov 2019 09:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.3
77	57.1	45.9	68.9





#52

Ethylbenzene

Concen: 51.382 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

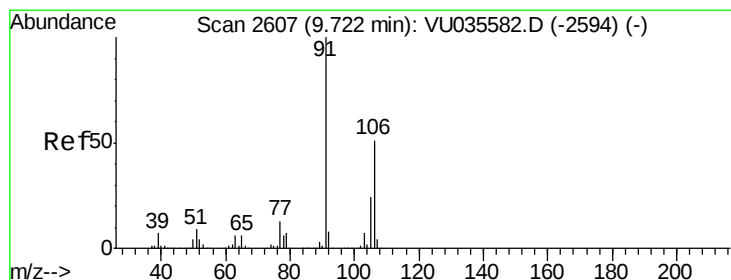
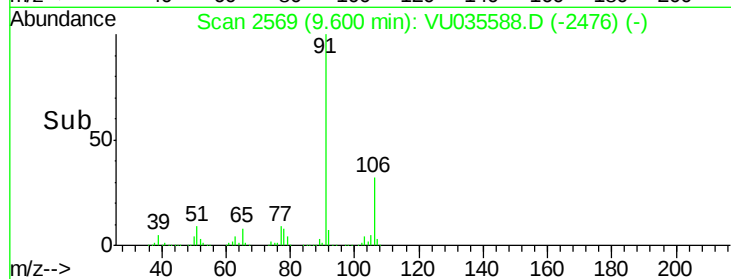
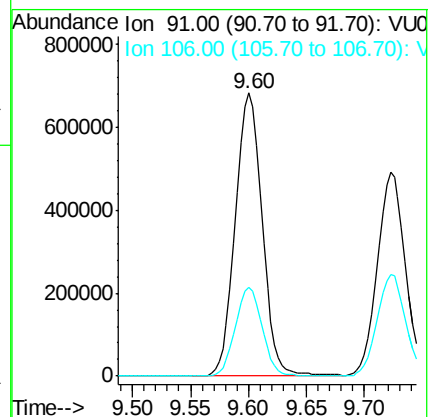
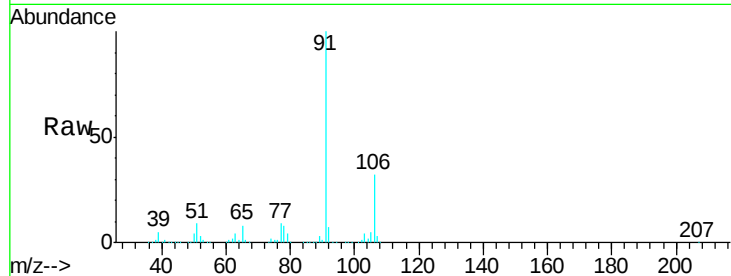
VSTD05033

Tgt Ion: 91 Resp: 1094228

Ion Ratio Lower Upper

91 100

106 31.6 21.6 40.0



#53

m,p-Xylene

Concen: 53.320 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035588.D

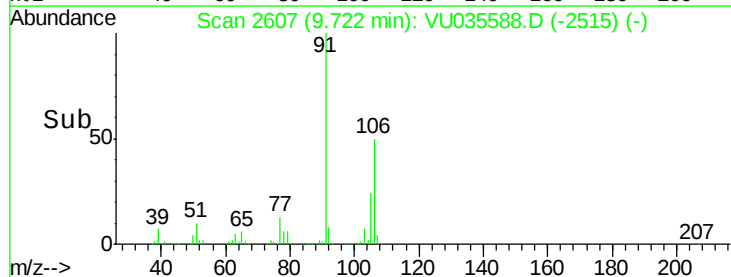
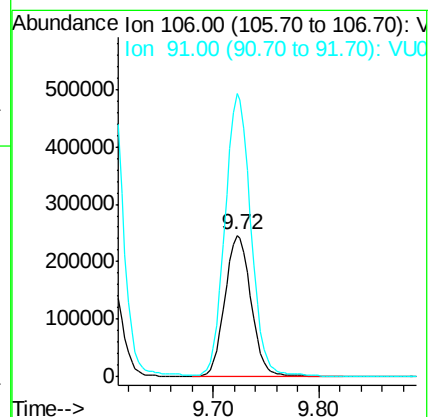
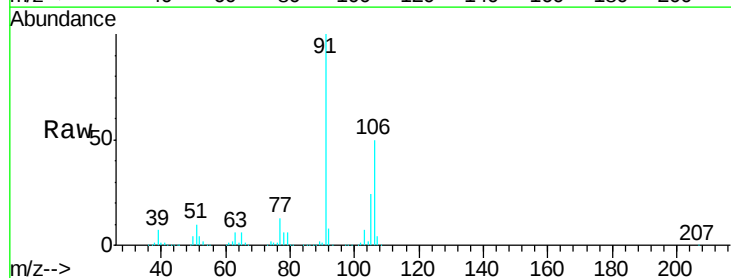
Acq: 01 Nov 2019 09:19

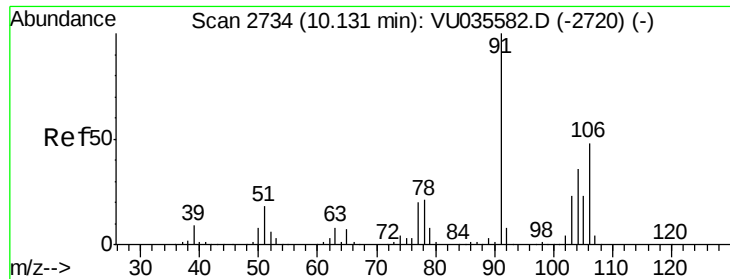
Tgt Ion: 106 Resp: 426088

Ion Ratio Lower Upper

106 100

91 200.3 142.7 264.9





#54

o-xylene

Concen: 52.960 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

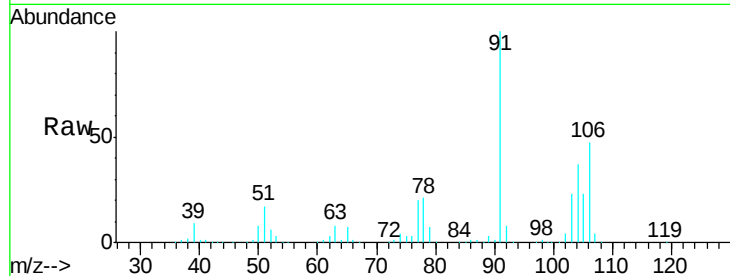
VSTD05033

Tgt Ion:106 Resp: 413642

Ion Ratio Lower Upper

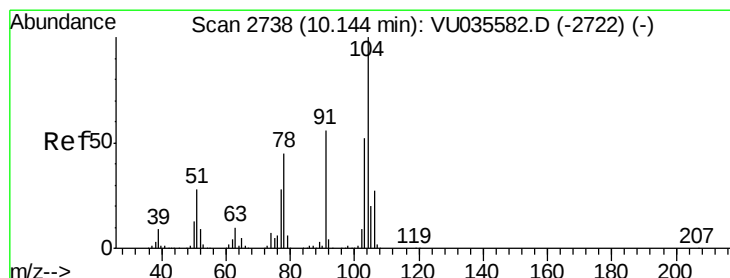
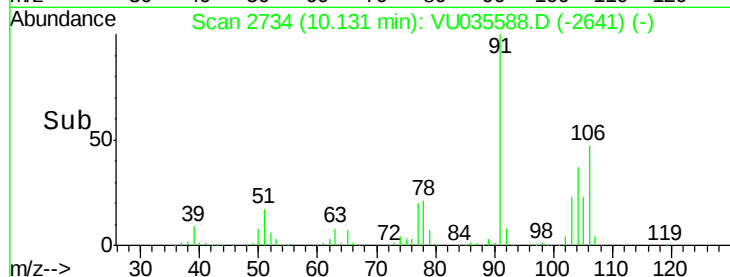
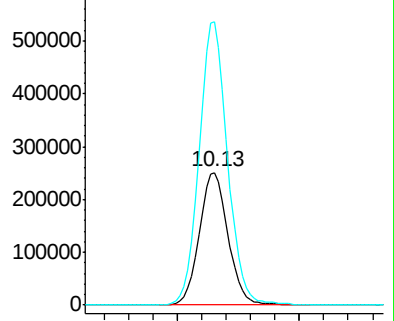
106 100

91 213.1 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 53.086 ug/L

RT: 10.14 min Scan# 2738

Delta R.T. -0.00 min

Lab File: VU035588.D

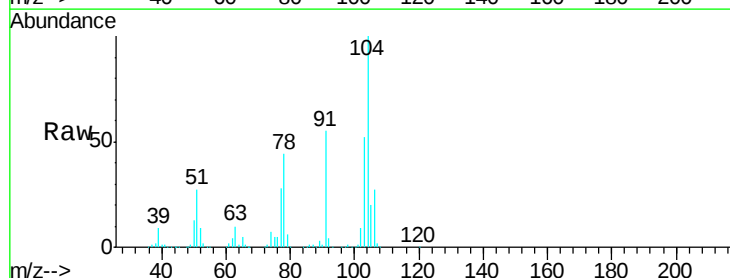
Acq: 01 Nov 2019 09:19

Tgt Ion:104 Resp: 688100

Ion Ratio Lower Upper

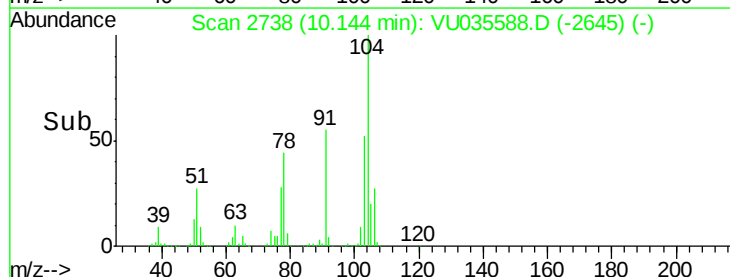
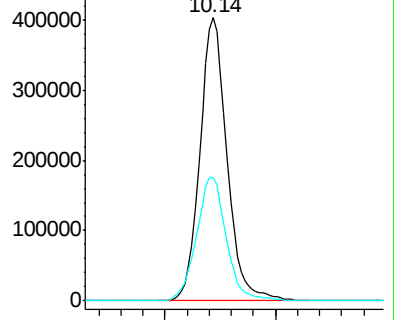
104 100

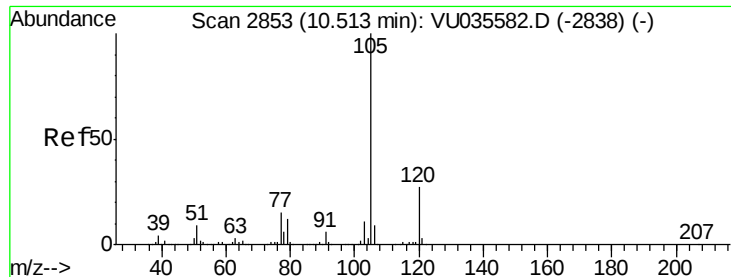
78 43.8 31.4 58.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 53.020 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

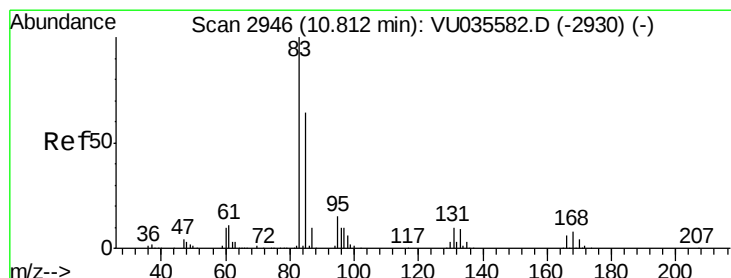
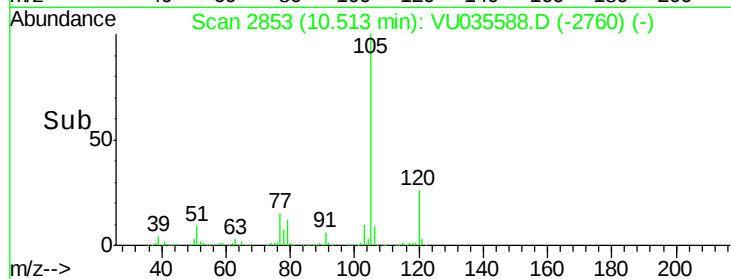
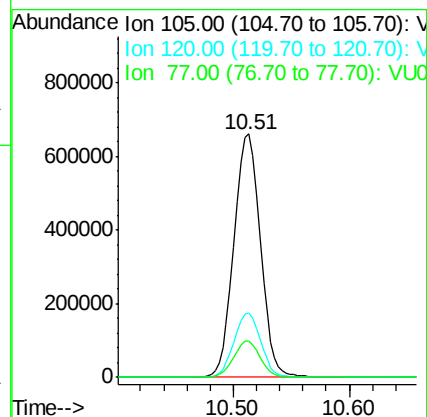
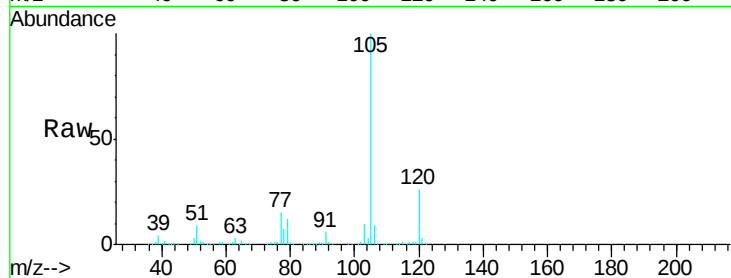
Tgt Ion:105 Resp: 1040637

Ion Ratio Lower Upper

105 100

120 26.7 21.1 31.7

77 15.0 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 49.537 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

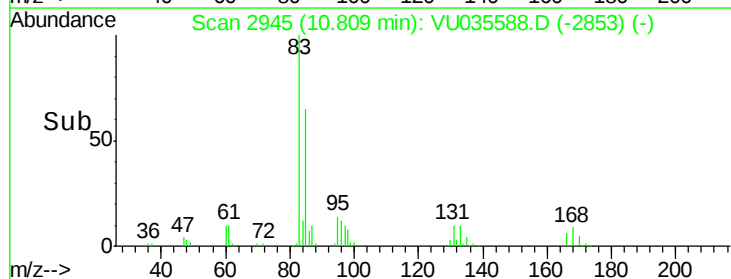
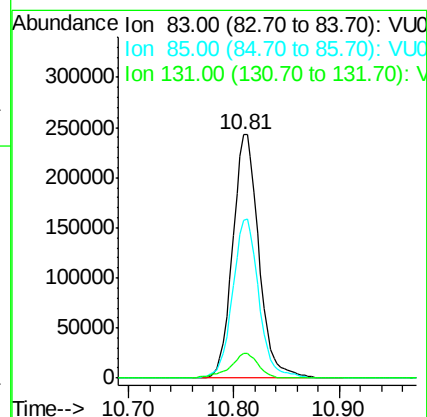
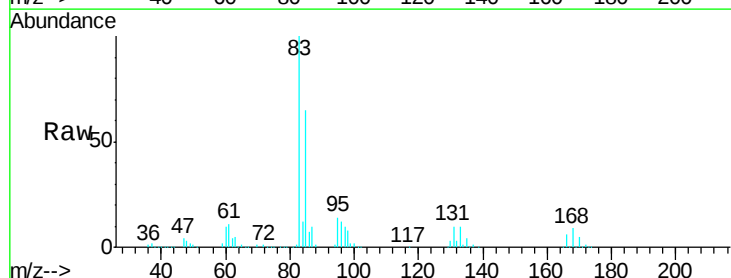
Tgt Ion: 83 Resp: 416266

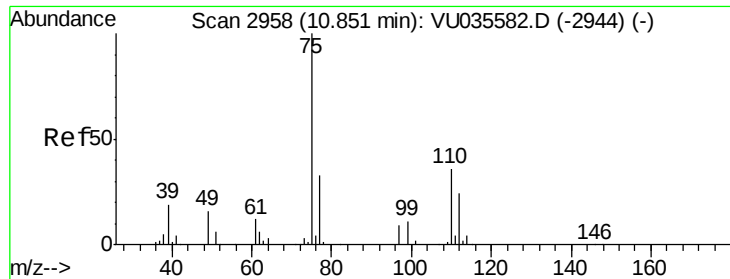
Ion Ratio Lower Upper

83 100

85 64.8 44.6 82.8

131 10.0 8.2 12.4





#59

1,2,3-Trichloropropane

Concen: 48.987 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

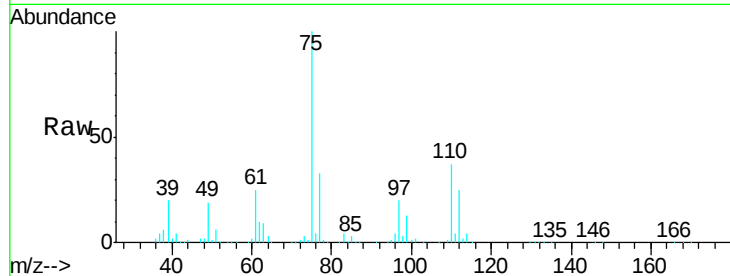
VSTD05033

Tgt Ion: 75 Resp: 325108

Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU035582.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU035582.D (-2944) (-)

10.85

200000

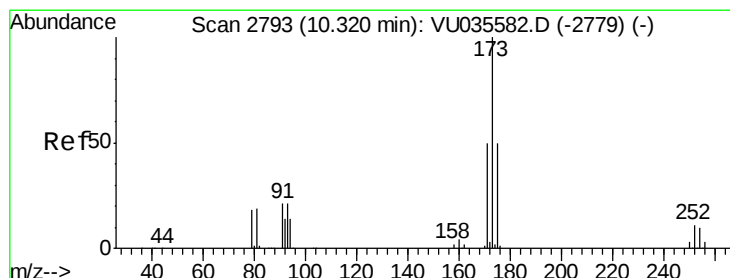
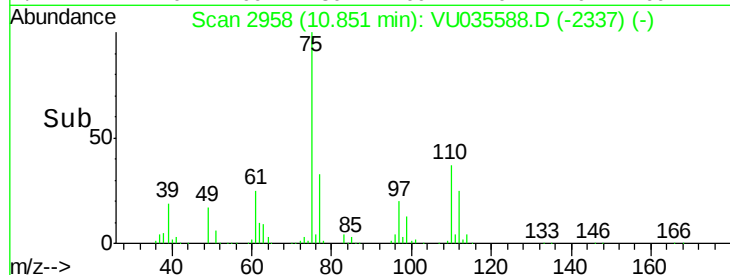
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 47.132 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

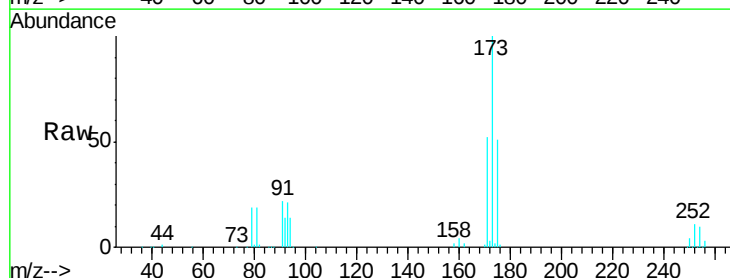
Tgt Ion: 173 Resp: 218571

Ion Ratio Lower Upper

173 100

175 49.4 39.4 59.0

254 10.0 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): VU035582.D (-2779) (-)

Ion 175.00 (174.70 to 175.70): VU035582.D (-2779) (-)

Ion 254.00 (253.70 to 254.70): VU035582.D (-2779) (-)

10.32

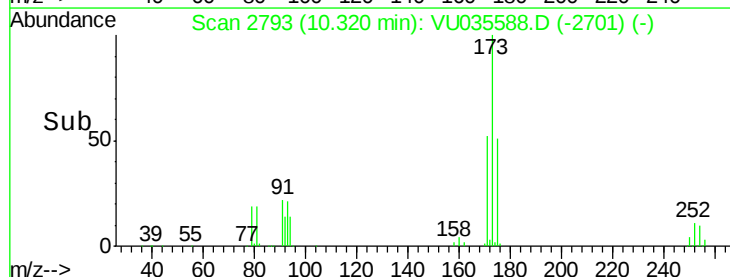
150000

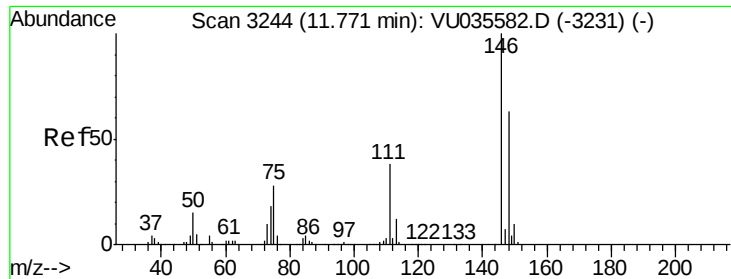
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 49.048 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

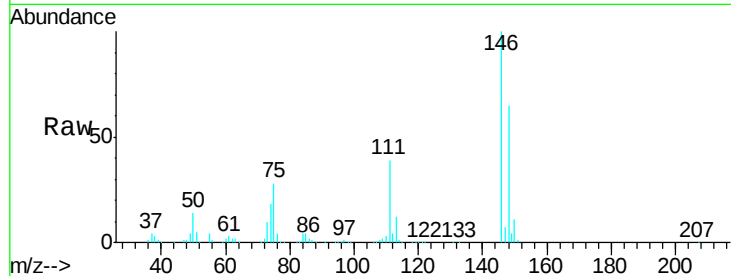
Tgt Ion:146 Resp: 470343

Ion Ratio Lower Upper

146 100

111 38.8 27.8 51.6

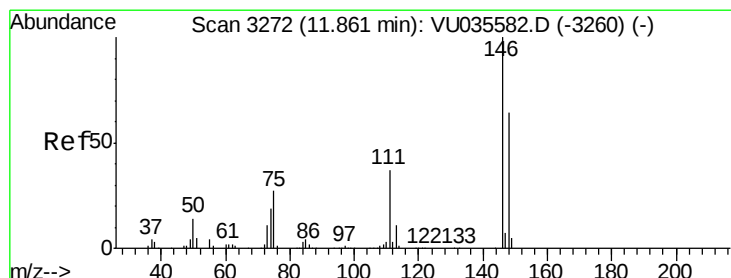
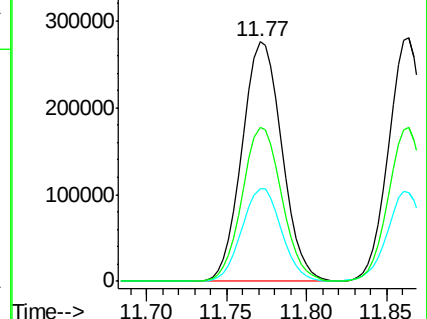
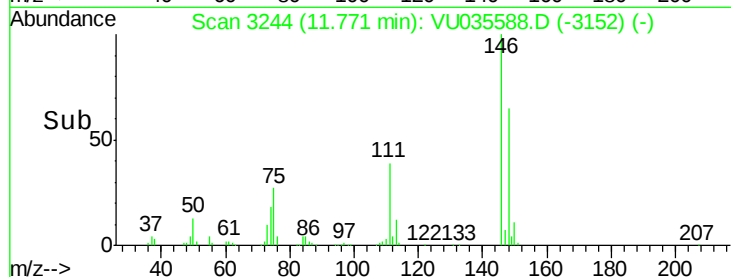
148 64.5 44.5 82.7



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: 47.633 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

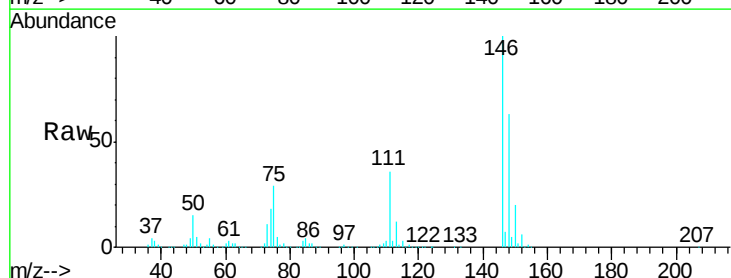
Tgt Ion:146 Resp: 464024

Ion Ratio Lower Upper

146 100

111 36.4 26.5 49.1

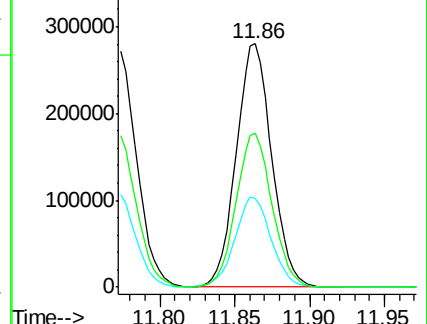
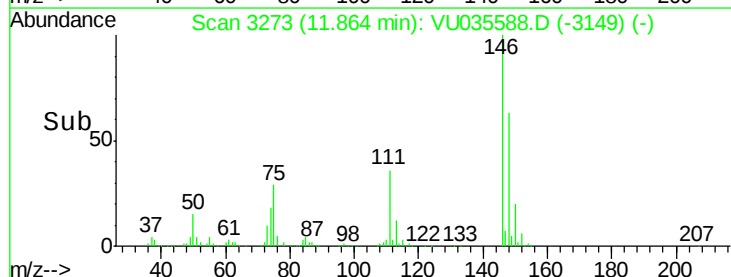
148 63.0 44.4 82.5

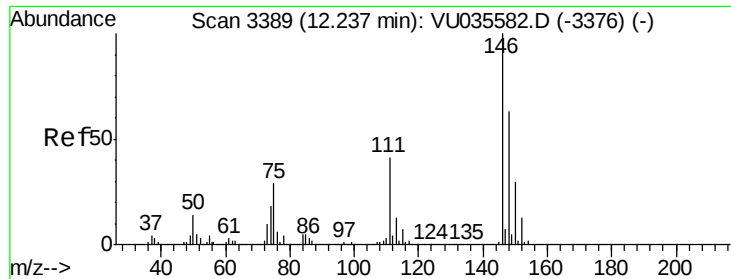


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

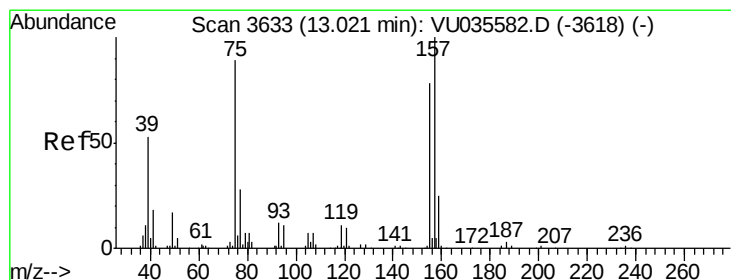
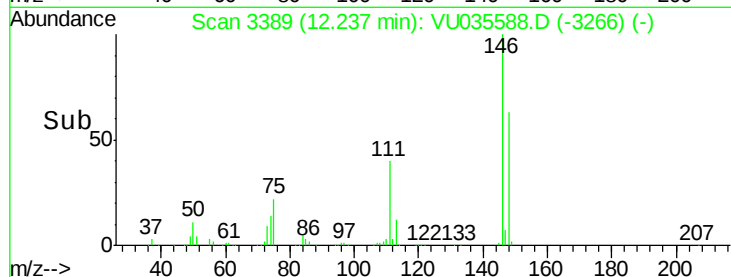
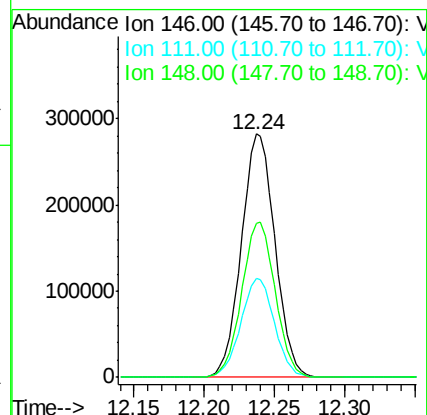
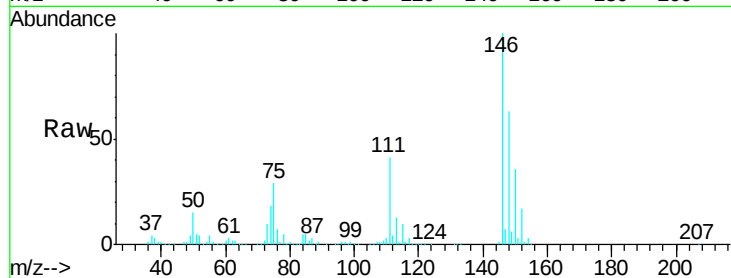




#65
 1,2-Dichlorobenzene
 Concen: 48.399 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

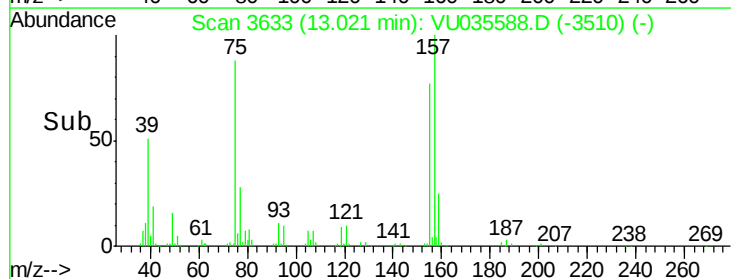
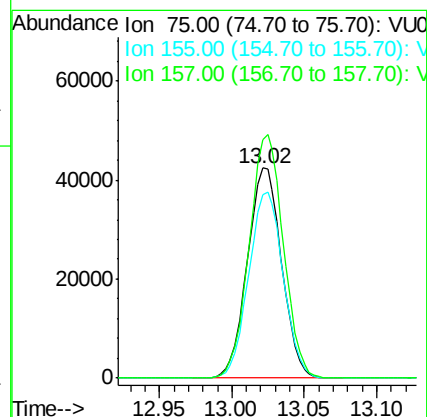
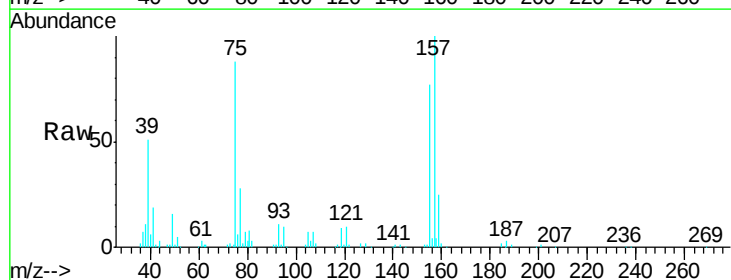
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

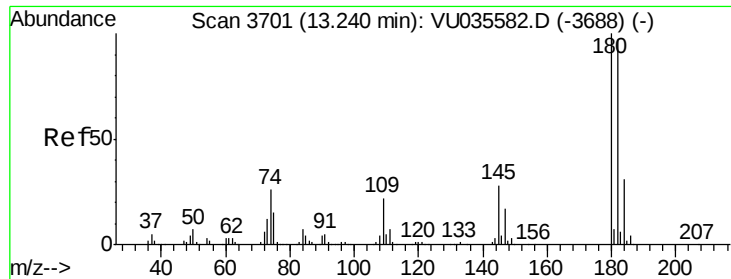
Tgt Ion: 146 Resp: 472498
 Ion Ratio Lower Upper
 146 100
 111 40.6 32.4 48.6
 148 63.3 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.083 ug/L
 RT: 13.02 min Scan# 3633
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

Tgt Ion: 75 Resp: 69754
 Ion Ratio Lower Upper
 75 100
 155 87.4 72.2 108.4
 157 113.3 92.1 138.1

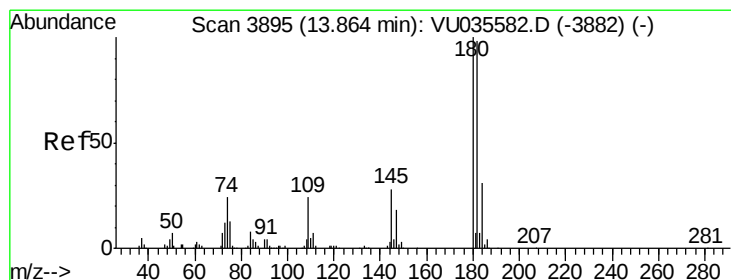
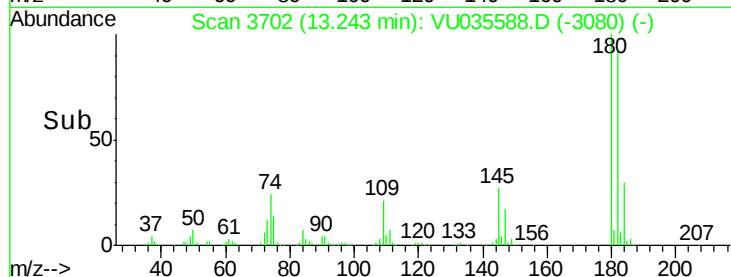
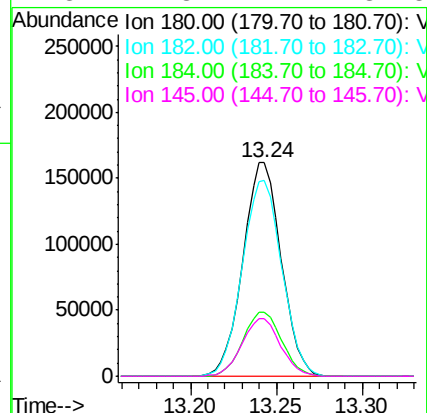
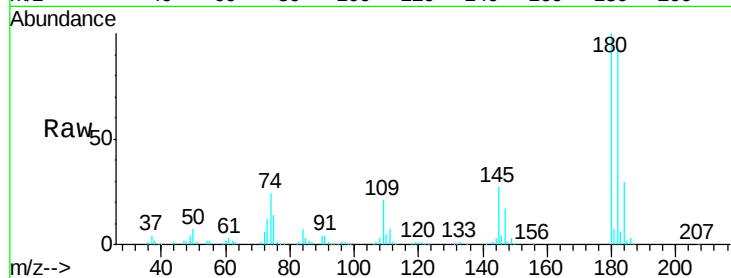




#67
 1,3,5-Trichlorobenzene
 Concen: 45.165 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

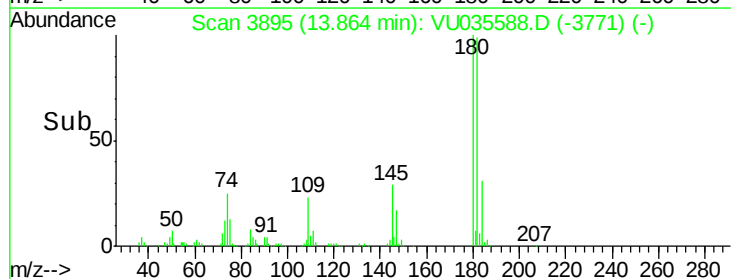
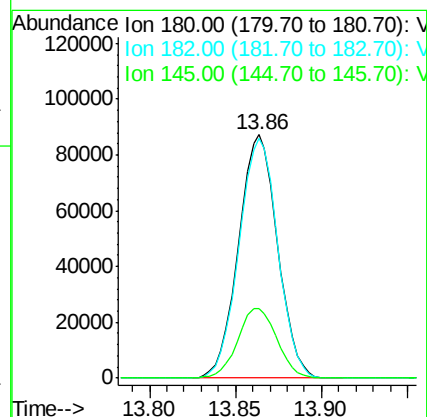
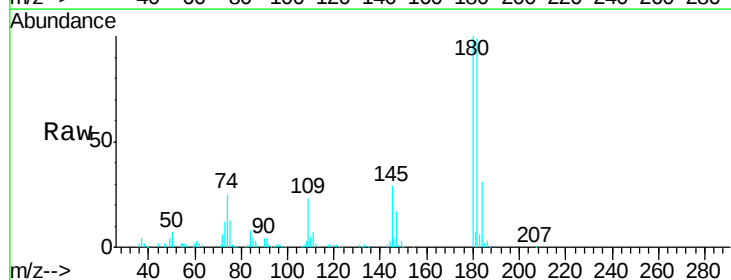
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05033

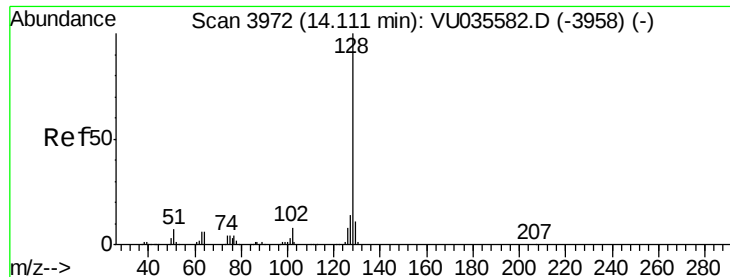
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.0	115.4
184	30.5	24.6	36.8
145	27.3	21.7	32.5



#68
 1,2,4-trichlorobenzene
 Concen: 37.021 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035588.D
 Acq: 01 Nov 2019 09:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	76.6	115.0
145	28.8	21.9	32.9





#69

Naphthalene

Concen: 34.473 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD05033

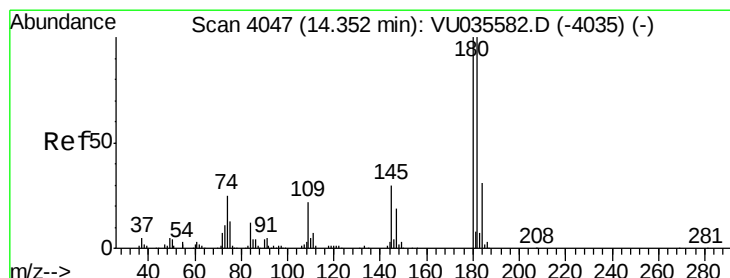
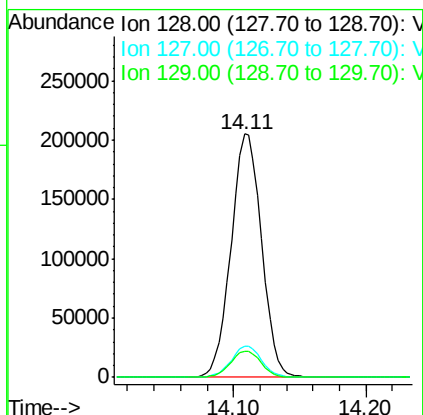
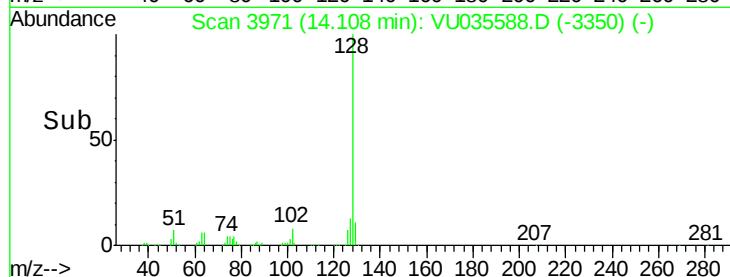
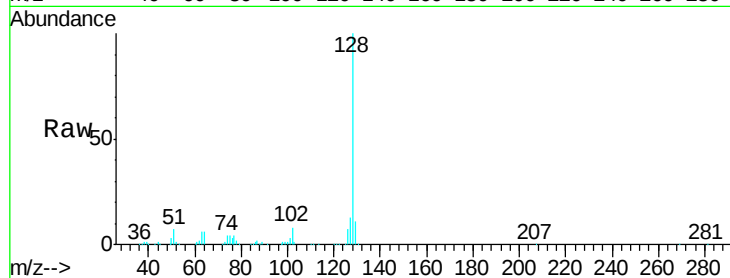
Tgt Ion:128 Resp: 328148

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

129 10.8 8.5 12.7



#70

1,2,3-Trichlorobenzene

Concen: 37.440 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. -0.00 min

Lab File: VU035588.D

Acq: 01 Nov 2019 09:19

Tgt Ion:180 Resp: 149706

Ion Ratio Lower Upper

180 100

182 94.0 77.6 116.4

145 29.1 23.4 35.0

