

Data File : VU035507.D
Acq On : 26 Oct 2019 00:08
Operator : JC/SP
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

Quant Time: Oct 26 04:12:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 04:07:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	202423	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	224279	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	125456	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	126710	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.93	69	106929	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.59	63	213500	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.80%
20) 2-Butanone-d5	4.71	46	303957	57.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.10%
24) Chloroform-d	5.12	84	206816	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.75	65	109528	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
32) Benzene-d6	5.77	84	407427	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.74	67	134016	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.93	98	364571	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	8.21	79	50923	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.68	63	231966	59.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.96%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	112835	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	129183	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	136058	4.975 ug/L	99
3) Chloromethane	1.53	50	151035	4.726 ug/L	100
5) Vinyl chloride	1.62	62	155051	4.899 ug/L	90
6) Bromomethane	1.87	94	52657	3.197 ug/L	97
8) Chloroethane	1.95	64	94400	5.058 ug/L	99
9) Trichlorofluoromethane	2.16	101	183851	5.014 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	99675	4.825 ug/L	98
12) 1,1-Dichloroethene	2.61	96	96309	5.000 ug/L	95
13) Acetone	2.68	43	202507	50.039 ug/L	99
14) Carbon disulfide	2.82	76	328598	4.821 ug/L	99
15) Methyl Acetate	3.00	43	49639	5.351 ug/L	99
16) Methylene chloride	3.08	84	115238	4.618 ug/L	98
17) Methyl tert-butyl Ether	3.43	73	237124	5.091 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	105222	5.021 ug/L	97
19) 1,1-Dichloroethane	3.92	63	210881	5.100 ug/L	98
21) 2-Butanone	4.79	43	308172	52.484 ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	114839	5.137 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	50153	4.851	ug/L	94
25) Chloroform	5.14	83	212882	4.854	ug/L	98
27) 1,2-Dichloroethane	5.84	62	129675	5.010	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	170575	5.061	ug/L	99
30) Cyclohexane	5.43	56	170837	4.962	ug/L	98
31) Carbon tetrachloride	5.57	117	152725	5.079	ug/L	99
33) Benzene	5.82	78	454066	5.083	ug/L	100
34) Trichloroethene	6.58	95	109149	4.974	ug/L	98
35) Methylcyclohexane	6.80	83	164657	4.848	ug/L	97
37) 1,2-Dichloropropane	6.84	63	118198	5.008	ug/L	100
38) Bromodichloromethane	7.15	83	144515	4.936	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	159546	4.857	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	740702	53.007	ug/L	100
42) Toluene	8.01	91	470030	5.155	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	133018	5.119	ug/L	97
45) 1,1,2-Trichloroethane	8.44	97	81429	4.968	ug/L	99
47) Tetrachloroethene	8.58	164	88065	4.888	ug/L	96
48) 2-Hexanone	8.73	43	529717	56.367	ug/L	98
49) Dibromochloromethane	8.84	129	96053	5.008	ug/L	95
50) 1,2-Dibromoethane	8.96	107	77073	5.060	ug/L	99
51) Chlorobenzene	9.48	112	290741	5.061	ug/L	99
52) Ethylbenzene	9.60	91	482695	5.068	ug/L	100
53) m,p-Xylene	9.72	106	180747	5.197	ug/L	97
54) o-Xylene	10.13	106	174598	5.153	ug/L	99
55) Styrene	10.14	104	299041	5.404	ug/L	98
56) Isopropylbenzene	10.51	105	454663	5.138	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	108333	5.054	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	77024	5.093	ug/L	95
61) Bromoform	10.32	173	55682	4.569	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	217999	5.088	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	212605	4.987	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	206355	5.014	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	14071	5.092	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	139092	5.256	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	80176	5.448	ug/L	97
69) Naphthalene	14.11	128	95531	4.755	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	80595	5.497	ug/L	100

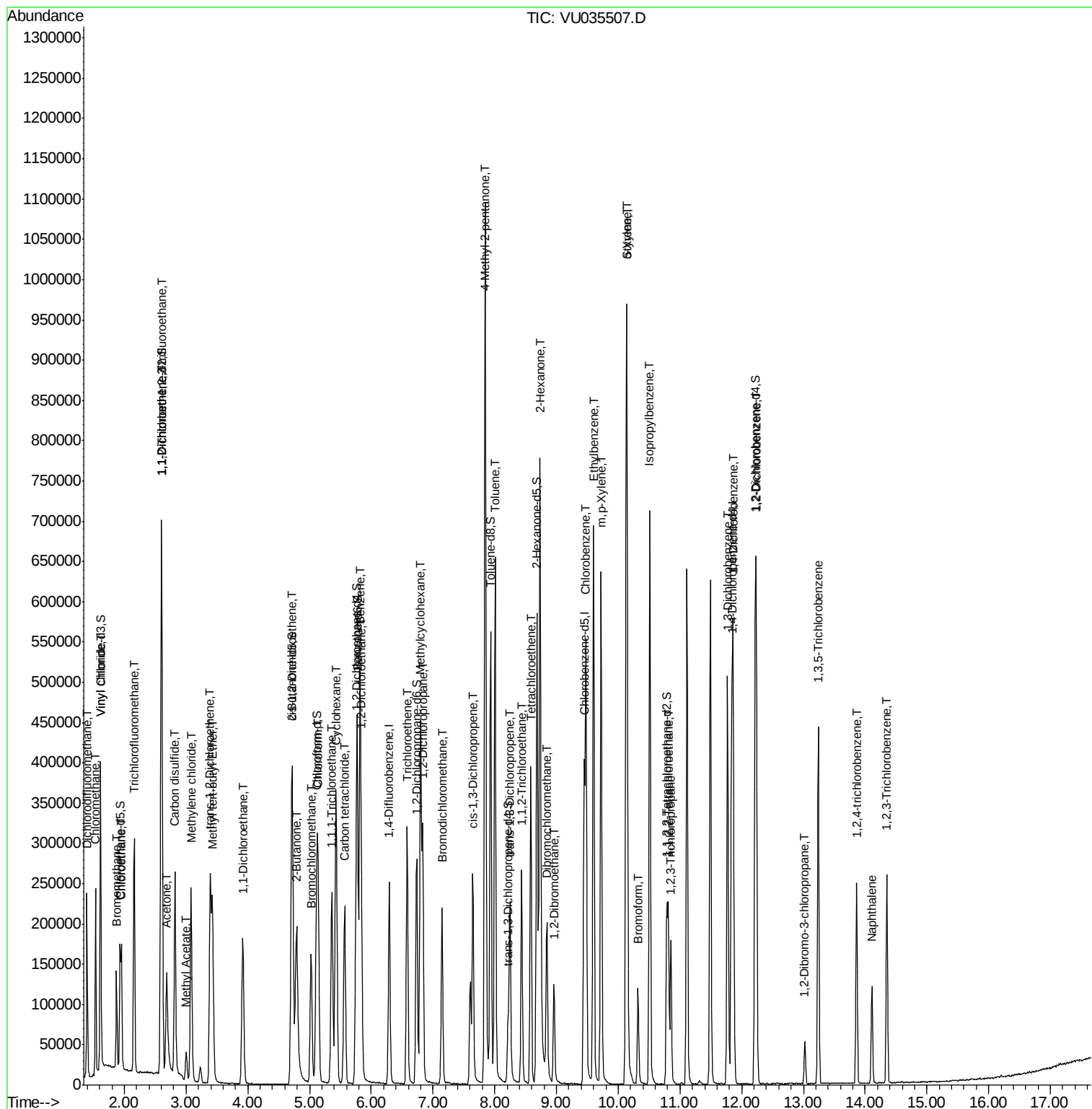
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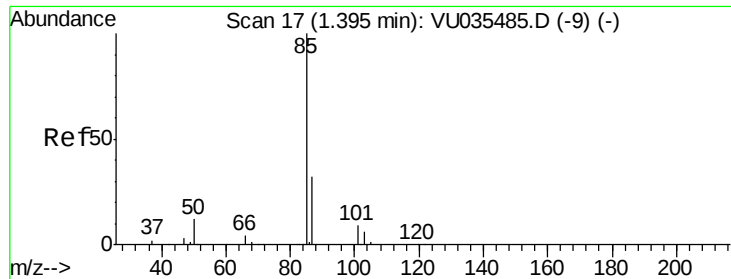
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#2

Dichlorodifluoromethane

Concen: 4.975 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

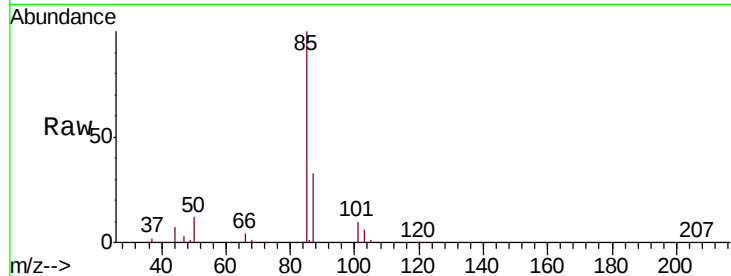
VSTD00556

Tgt Ion: 85 Resp: 136058

Ion Ratio Lower Upper

85 100

87 32.5 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VU035507.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU035507.D (-1) (-)

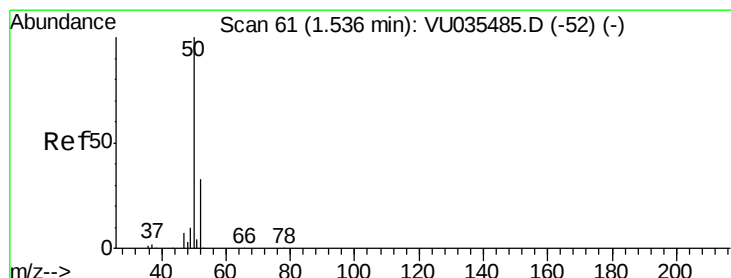
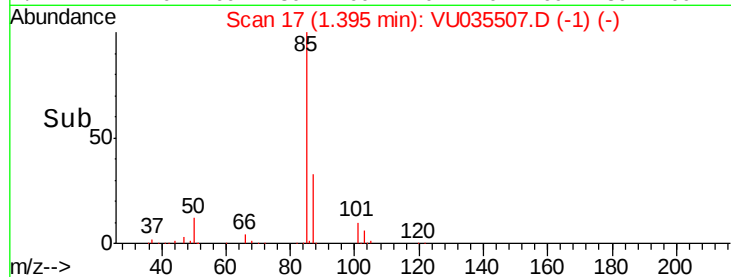
1.39

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.726 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU035507.D

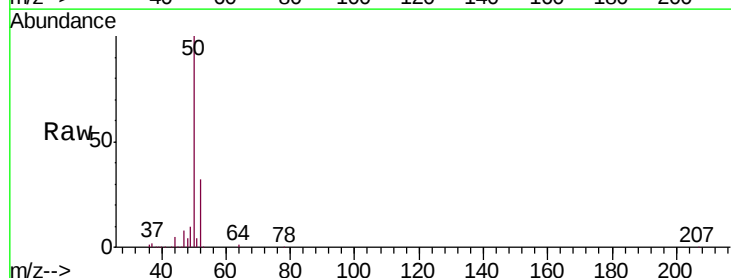
Acq: 26 Oct 2019 00:08

Tgt Ion: 50 Resp: 151035

Ion Ratio Lower Upper

50 100

52 32.2 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035507.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035507.D (-1) (-)

1.53

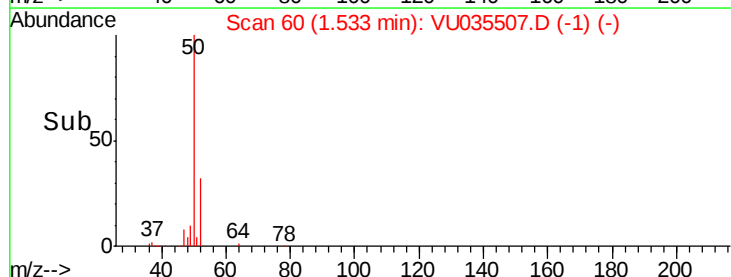
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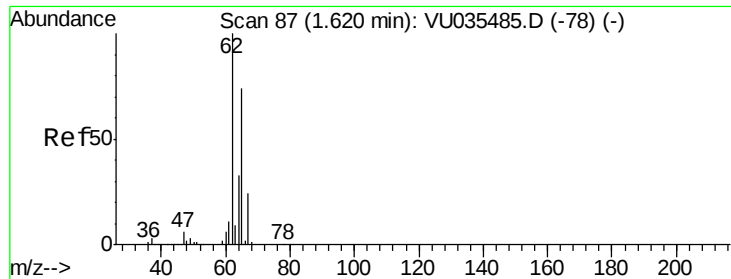
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.899 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

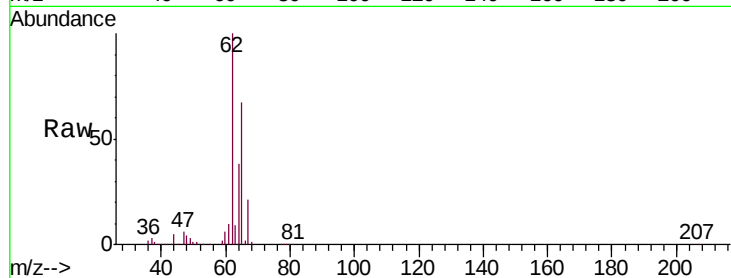
VSTD00556

Tgt Ion: 62 Resp: 155051

Ion Ratio Lower Upper

62 100

64 37.5 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035507.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035507.D (-1) (-)

1.62

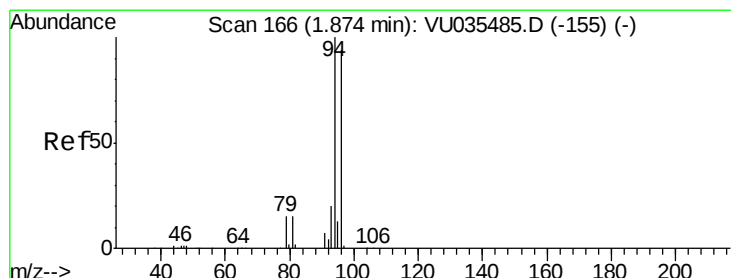
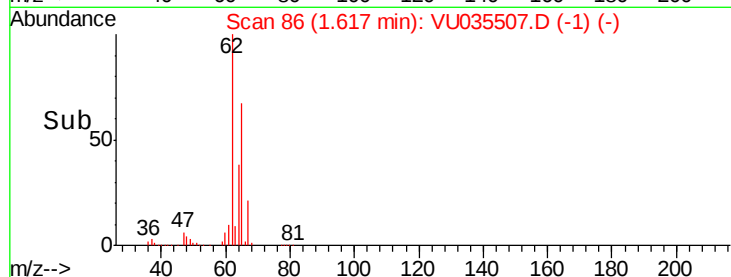
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 3.197 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035507.D

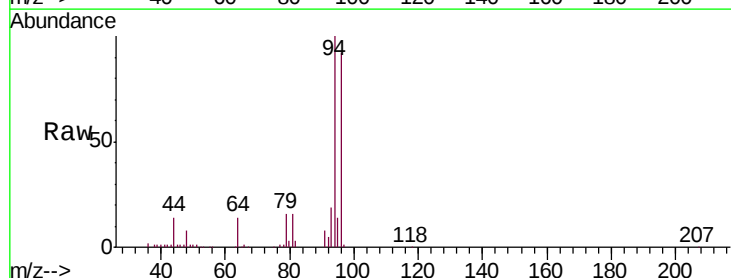
Acq: 26 Oct 2019 00:08

Tgt Ion: 94 Resp: 52657

Ion Ratio Lower Upper

94 100

96 92.0 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU035507.D (-73) (-)

Ion 96.00 (95.70 to 96.70): VU035507.D (-73) (-)

1.87

50000

40000

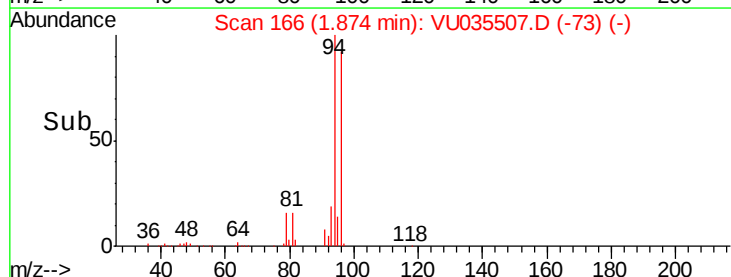
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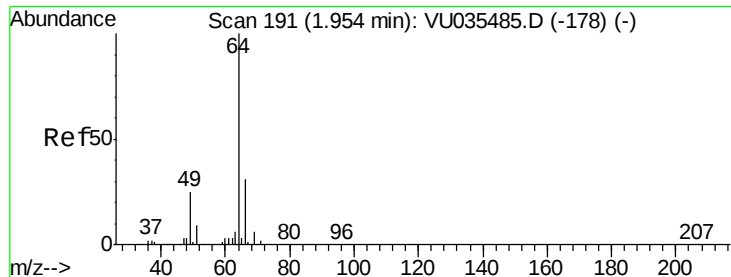
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Time-->

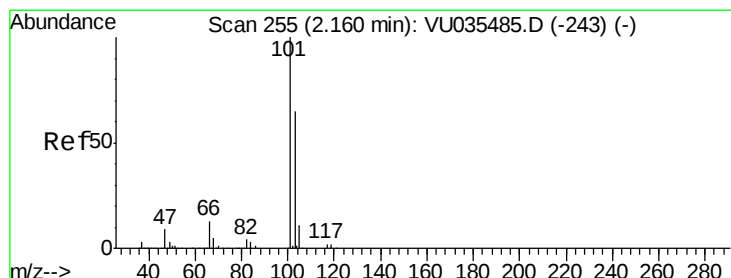
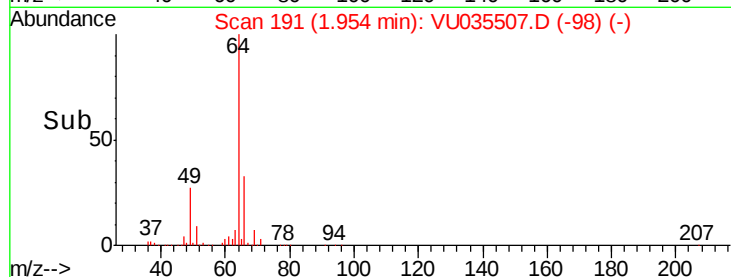
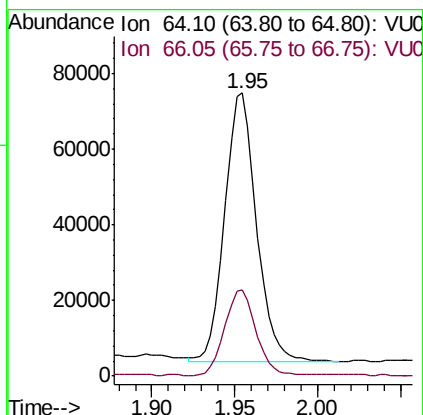
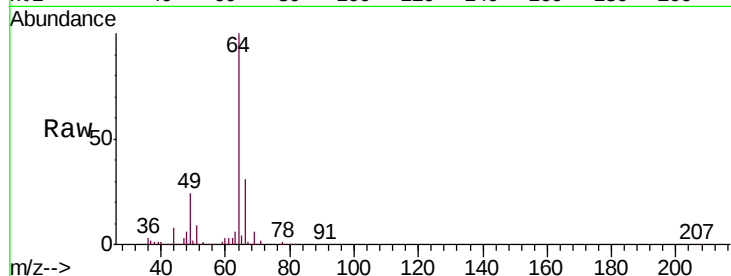




#8
Chloroethane
Concen: 5.058 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

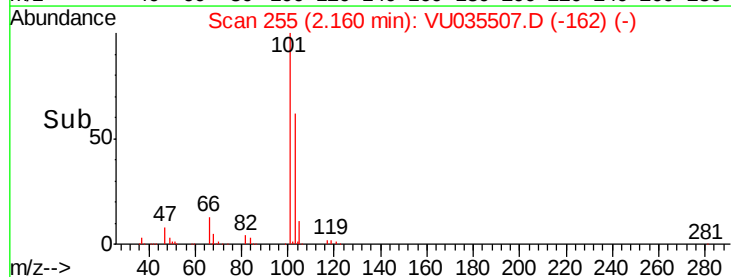
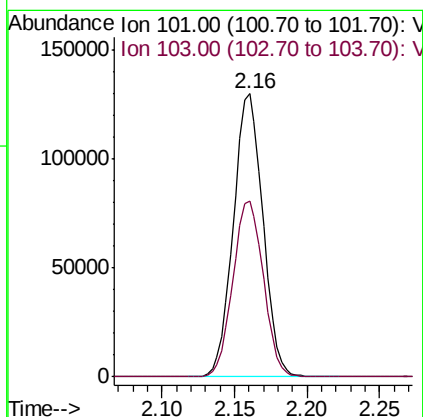
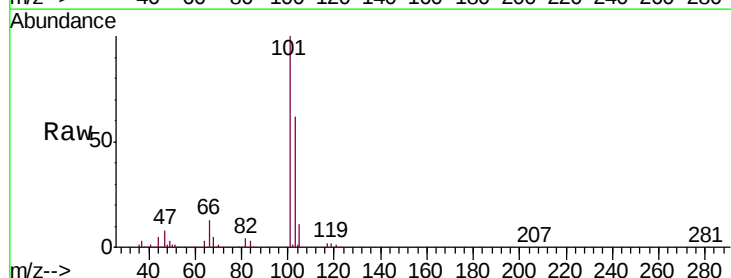
Instrument :
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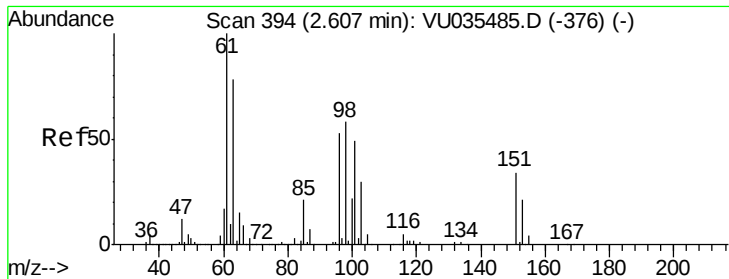
Tgt Ion: 64 Resp: 94400
Ion Ratio Lower Upper
64 100
66 30.6 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.014 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Tgt Ion: 101 Resp: 183851
Ion Ratio Lower Upper
101 100
103 64.1 51.2 76.8





#10

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

Concen: 4.825 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

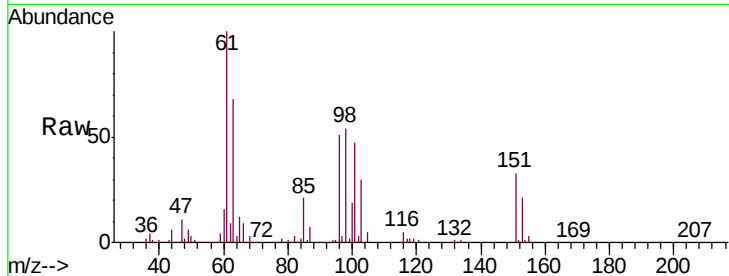
Tgt Ion:101 Resp: 99675

Ion Ratio Lower Upper

101 100

85 44.8 34.7 52.1

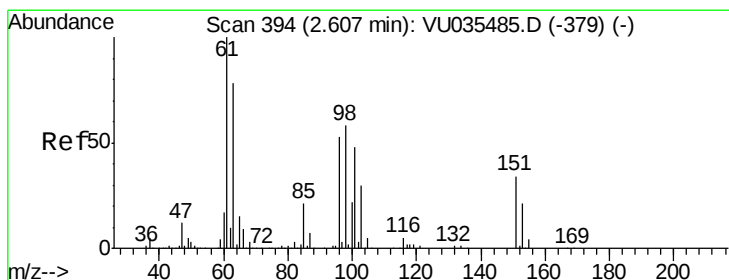
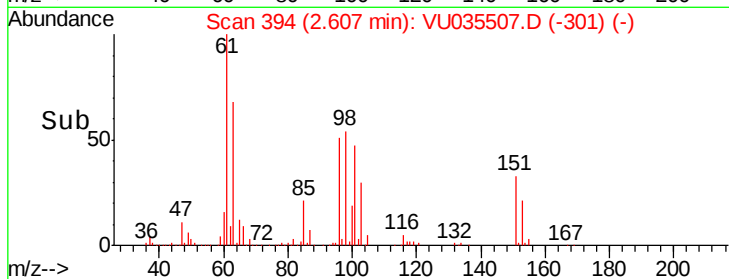
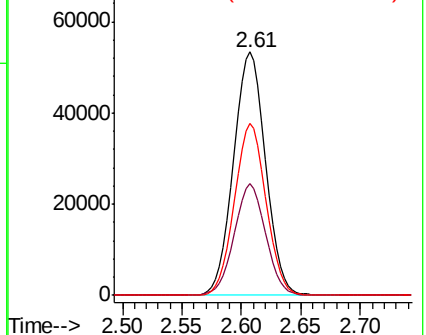
151 69.4 54.8 82.2



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: 5.000 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

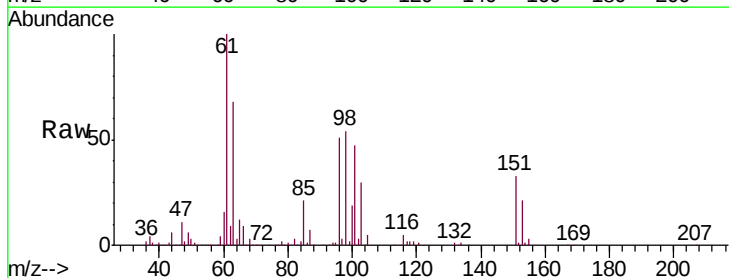
Tgt Ion: 96 Resp: 96309

Ion Ratio Lower Upper

96 100

61 194.6 131.9 244.9

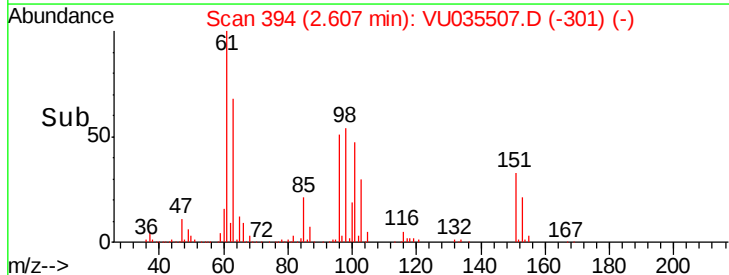
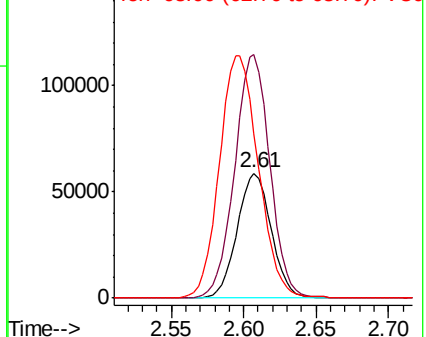
63 131.8 97.0 180.2

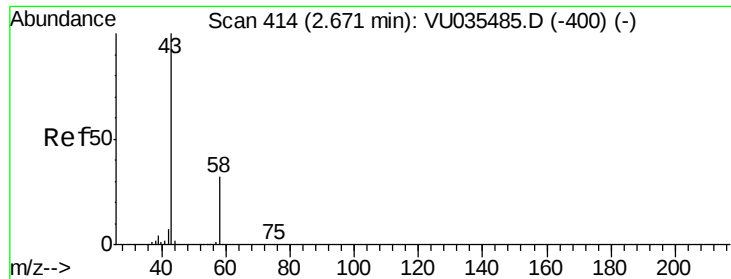


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

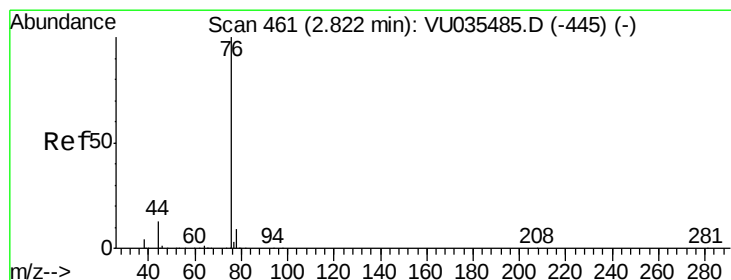
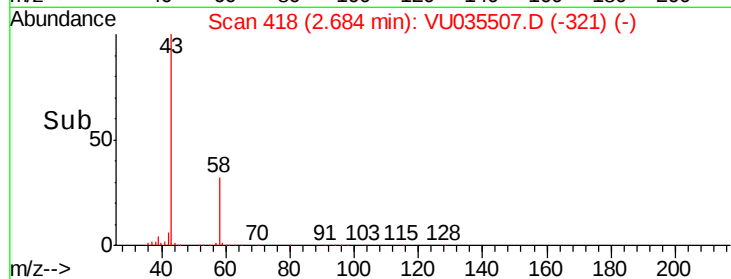
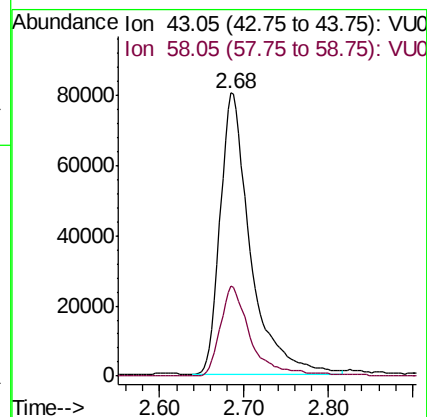
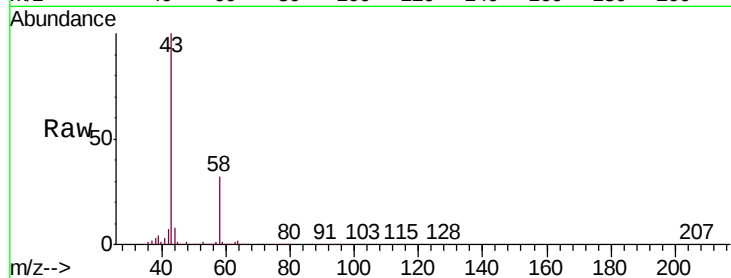




#13
Acetone
Concen: 50.039 ug/L
RT: 2.68 min Scan# 418
Delta R.T. 0.01 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

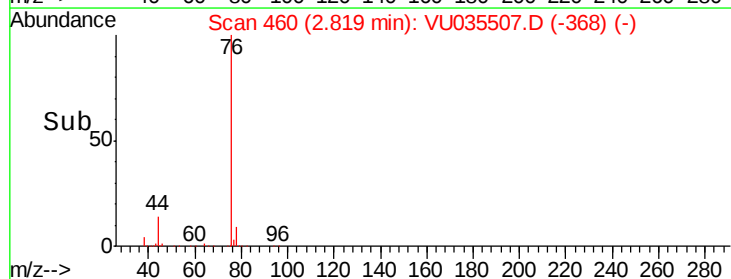
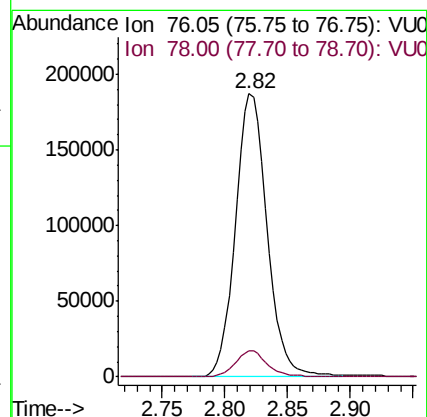
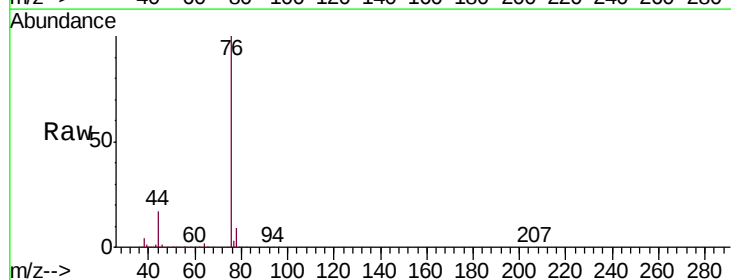
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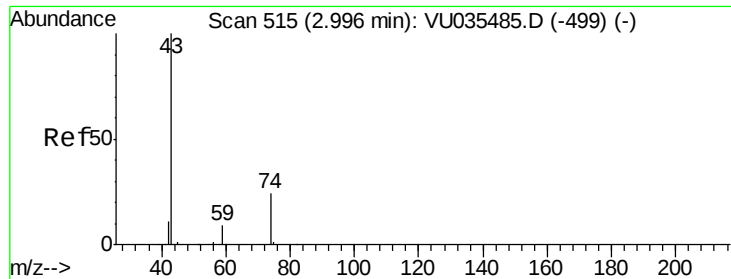
Tgt Ion: 43 Resp: 202507
Ion Ratio Lower Upper
43 100
58 31.3 0.0 63.2



#14
Carbon disulfide
Concen: 4.821 ug/L
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Tgt Ion: 76 Resp: 328598
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

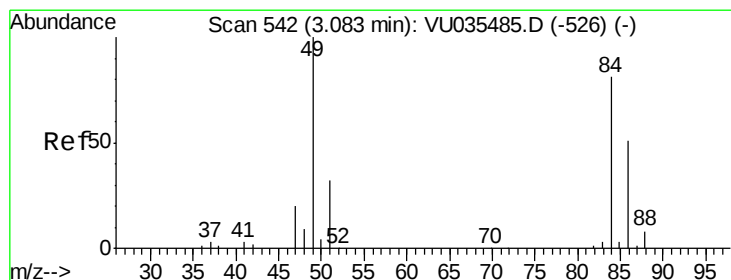
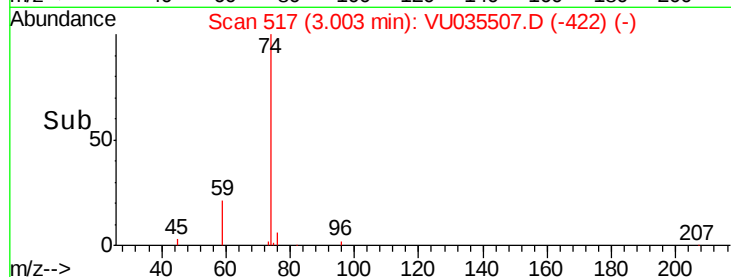
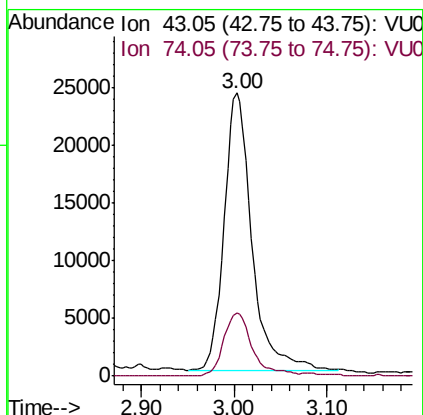
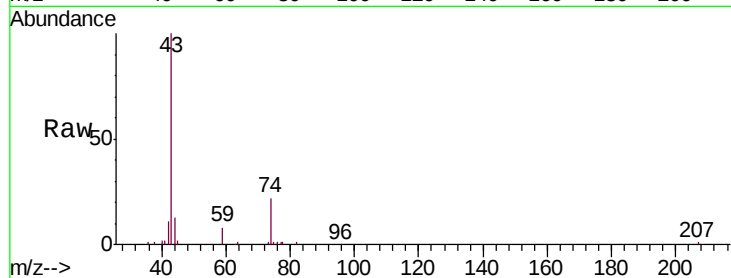




#15
Methyl Acetate
Concen: 5.351 ug/L
RT: 3.00 min Scan# 517
Delta R.T. 0.01 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

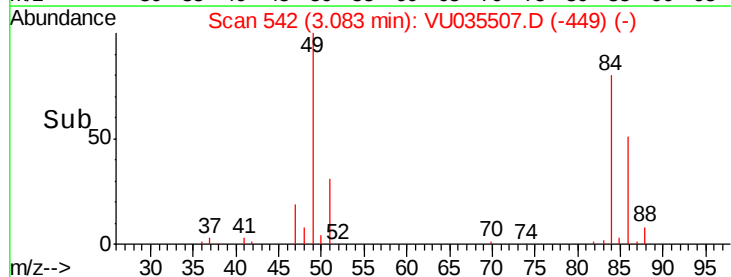
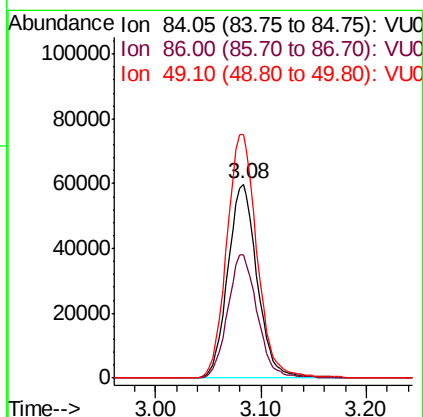
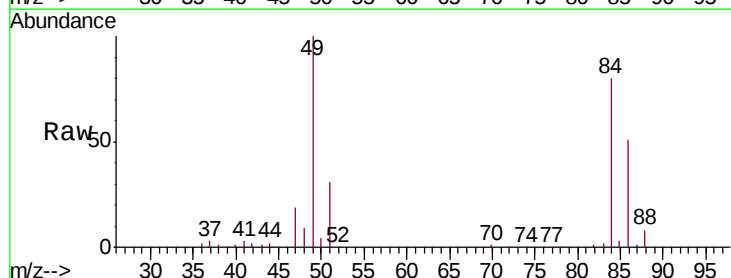
Instrument :
MSVOA_U
ClientSampled :
VSTD00556

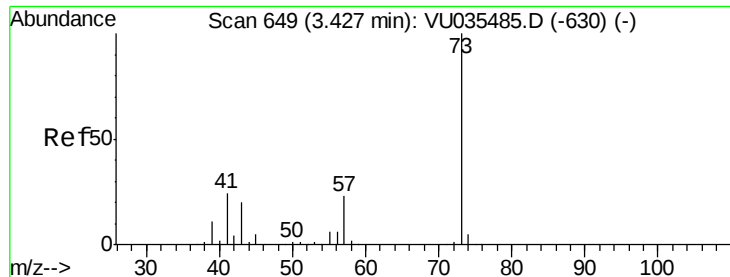
Tgt Ion: 43 Resp: 49639
Ion Ratio Lower Upper
43 100
74 24.0 19.4 29.2



#16
Methylene chloride
Concen: 4.618 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Tgt Ion: 84 Resp: 115238
Ion Ratio Lower Upper
84 100
86 63.5 43.7 81.1
49 125.5 89.5 166.3

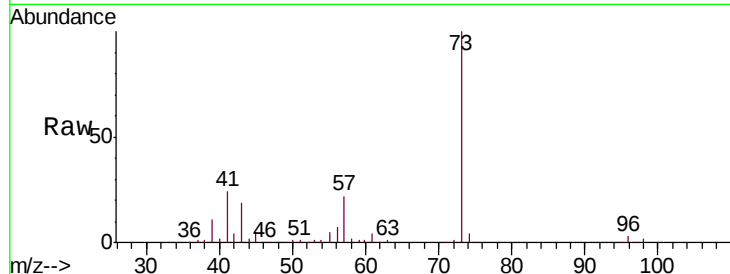




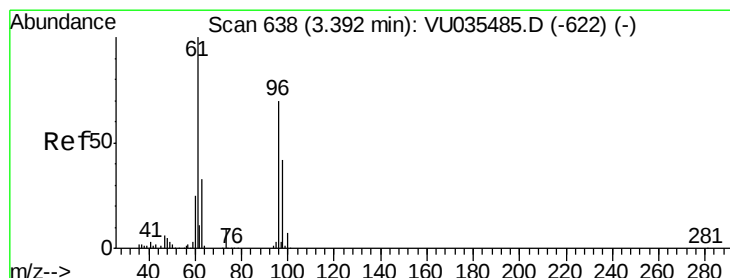
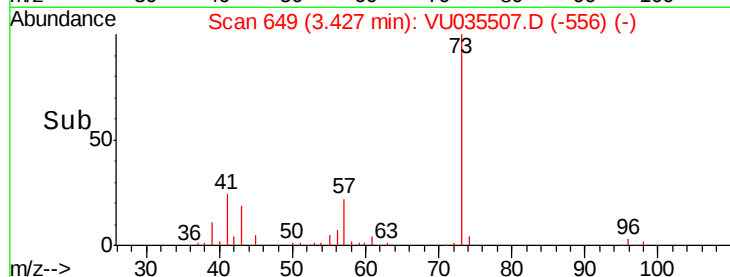
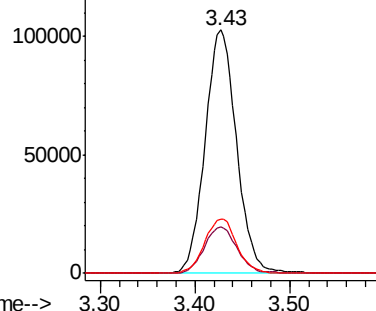
#17
Methyl tert-butyl Ether
Concen: 5.091 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

Tgt Ion: 73 Resp: 237124
Ion Ratio Lower Upper
73 100
43 19.4 15.8 23.8
57 23.0 19.0 28.6

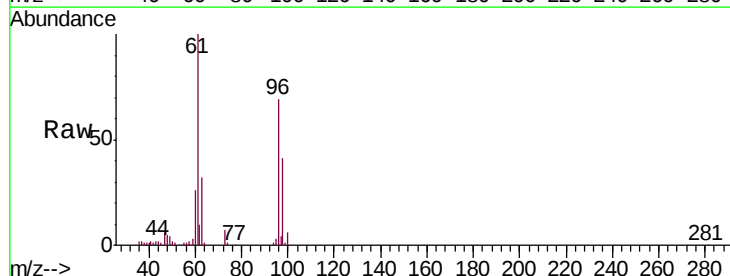


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

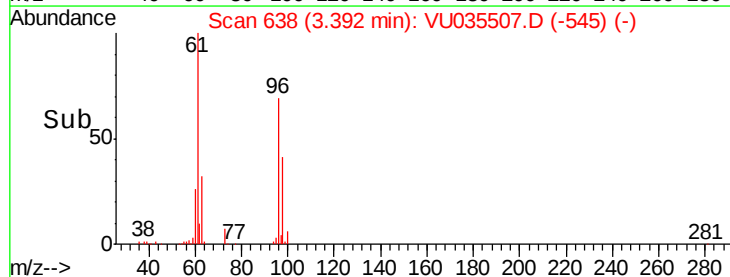
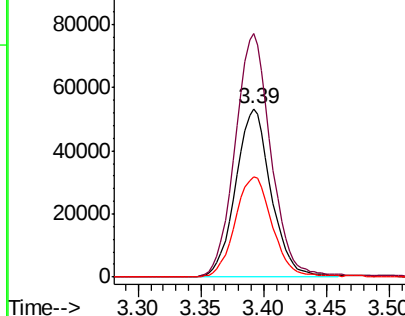


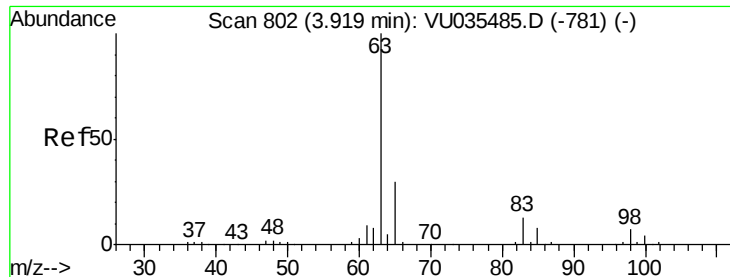
#18
trans-1,2-Dichloroethene
Concen: 5.021 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Tgt Ion: 96 Resp: 105222
Ion Ratio Lower Upper
96 100
61 144.7 99.0 184.0
98 59.4 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

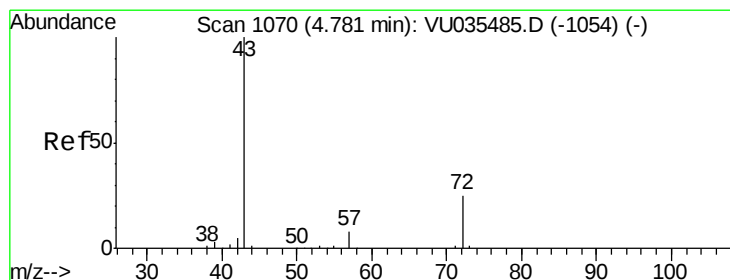
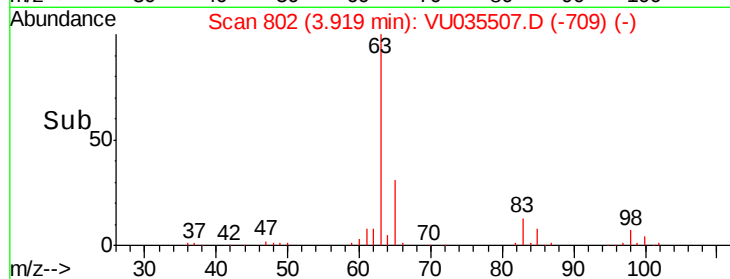
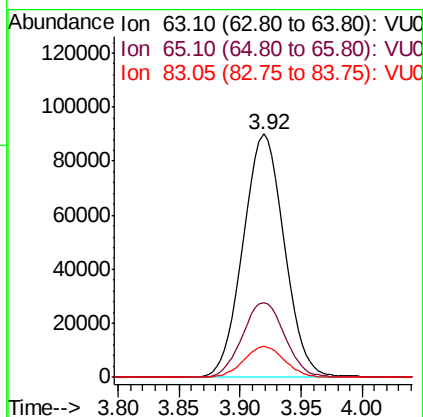
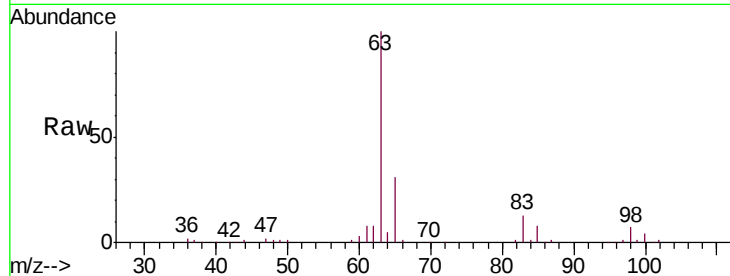




#19
 1,1-Dichloroethane
 Concen: 5.100 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

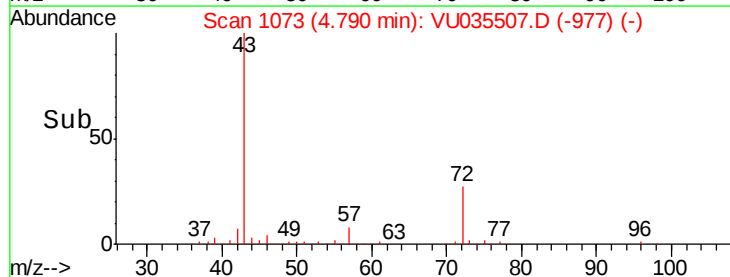
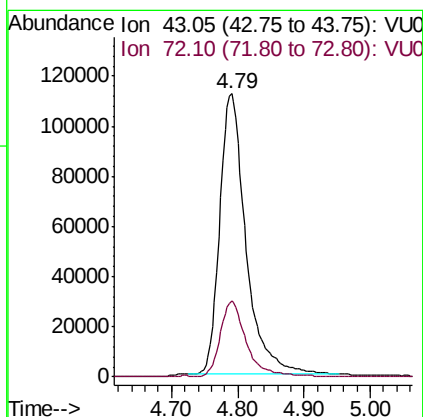
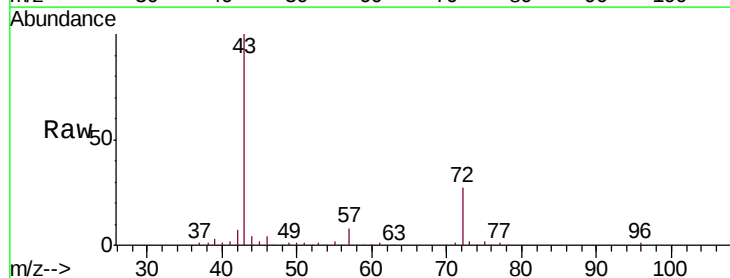
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00556

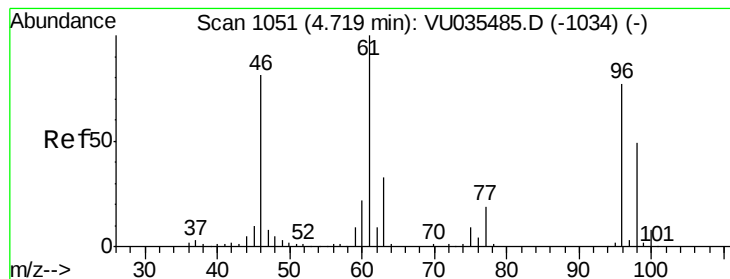
Tgt Ion: 63 Resp: 210881
 Ion Ratio Lower Upper
 63 100
 65 30.5 22.0 41.0
 83 12.8 9.2 17.2



#21
 2-Butanone
 Concen: 52.484 ug/L
 RT: 4.79 min Scan# 1073
 Delta R.T. 0.01 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

Tgt Ion: 43 Resp: 308172
 Ion Ratio Lower Upper
 43 100
 72 26.1 12.9 38.7





#22

cis-1,2-Dichloroethene

Concen: 5.137 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

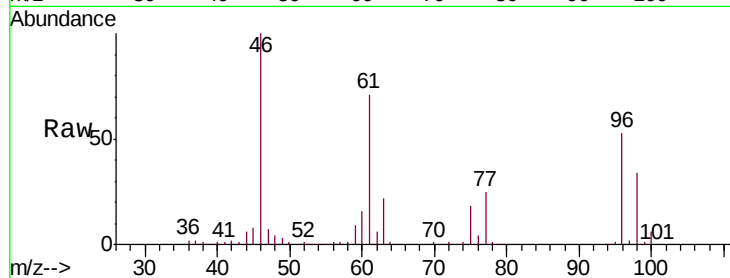
Tgt Ion: 96 Resp: 114839

Ion Ratio Lower Upper

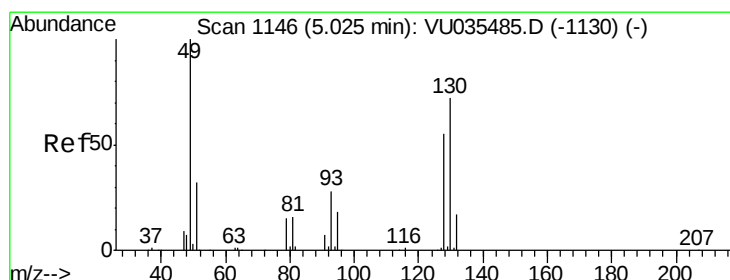
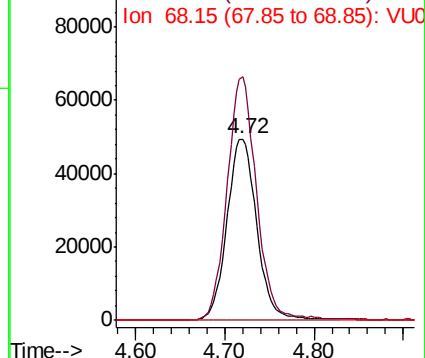
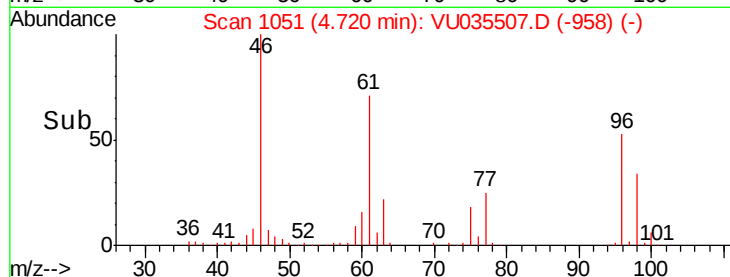
96 100

61 134.2 93.6 173.8

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035507.D (-958) (-)



#23

Bromochloromethane

Concen: 4.851 ug/L

RT: 5.03 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Tgt Ion: 128 Resp: 50153

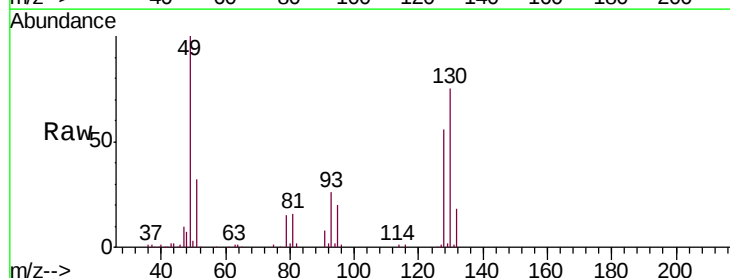
Ion Ratio Lower Upper

128 100

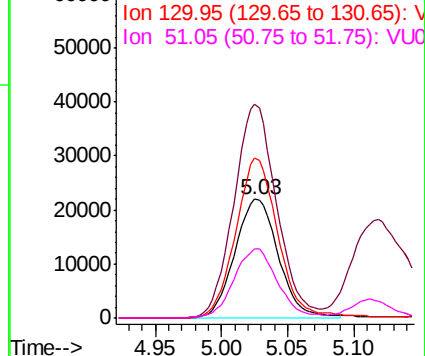
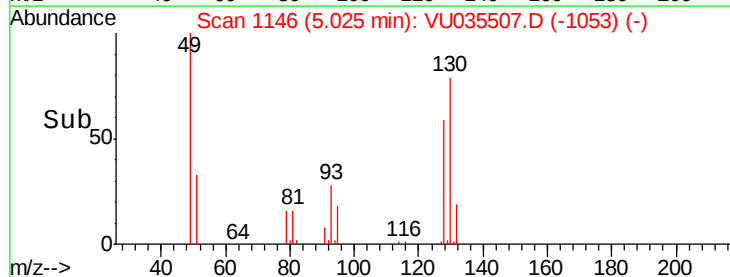
49 180.0 122.2 226.9

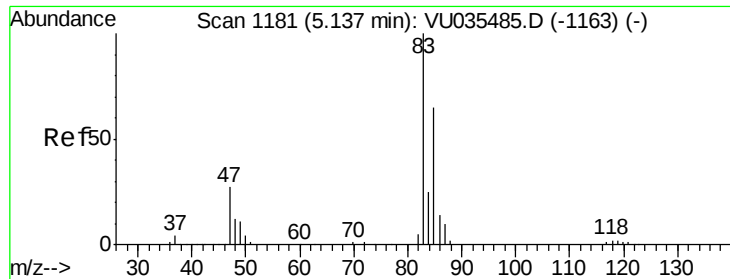
130 135.3 87.9 163.3

51 57.8 41.0 61.6



Abundance Ion 127.90 (127.60 to 128.60): VU035507.D (-1053) (-)

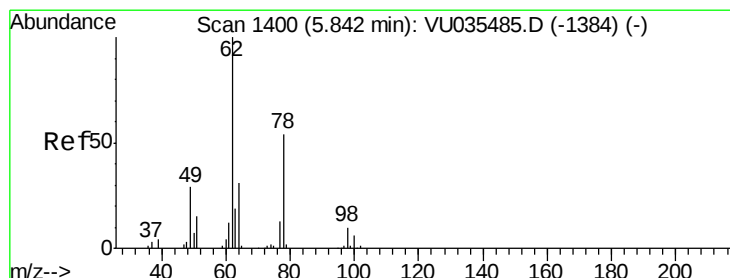
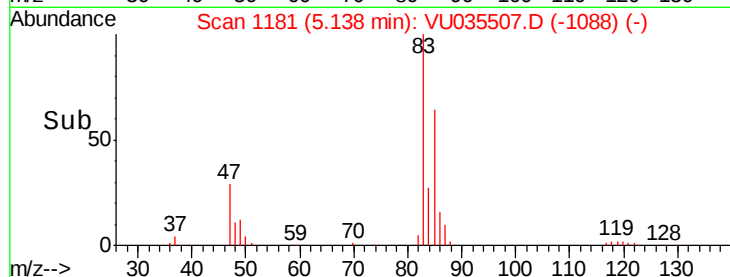
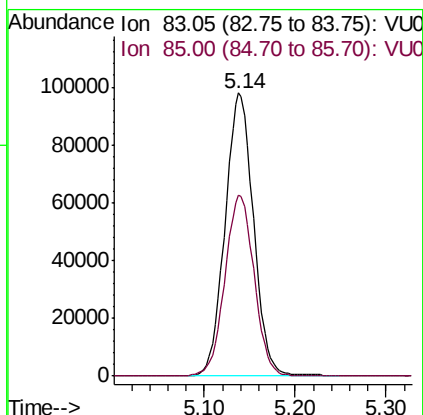
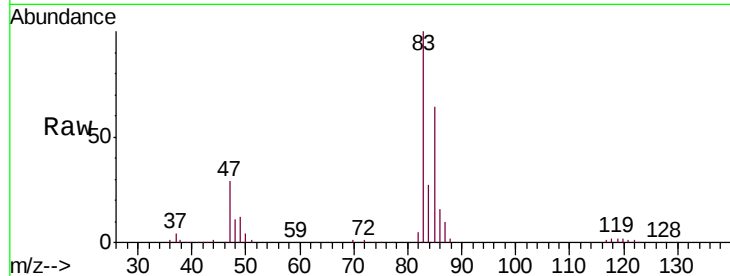




#25
Chloroform
Concen: 4.854 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

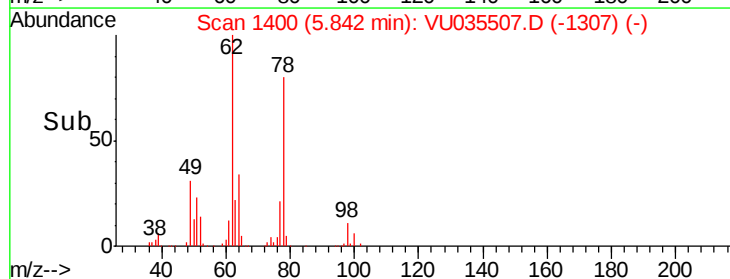
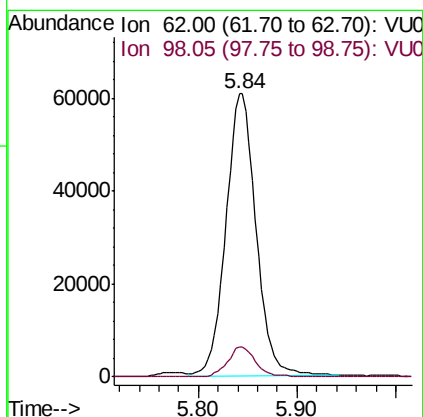
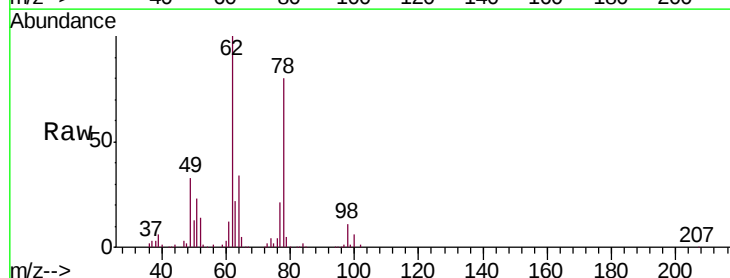
Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

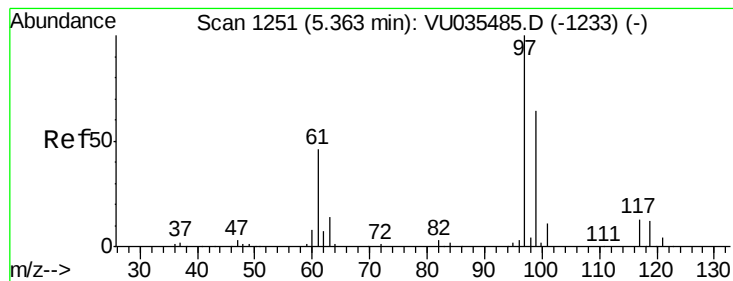
Tgt Ion: 83 Resp: 212882
Ion Ratio Lower Upper
83 100
85 64.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.010 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Tgt Ion: 62 Resp: 129675
Ion Ratio Lower Upper
62 100
98 10.6 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 5.061 ug/L

RT: 5.36 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

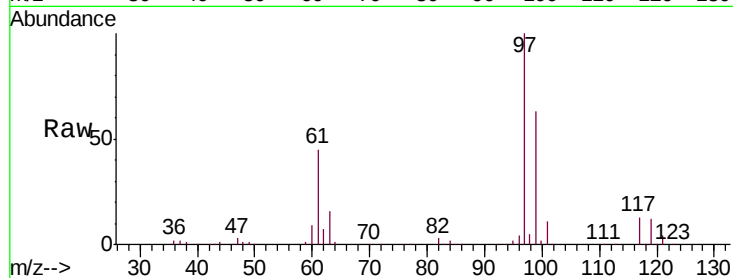
Tgt Ion: 97 Resp: 170575

Ion Ratio Lower Upper

97 100

99 64.1 51.1 76.7

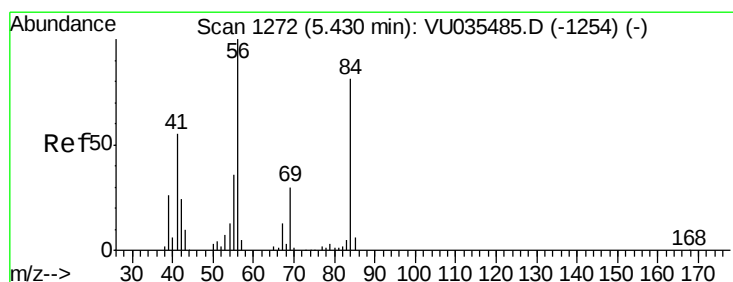
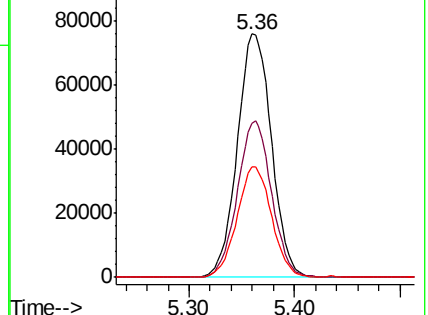
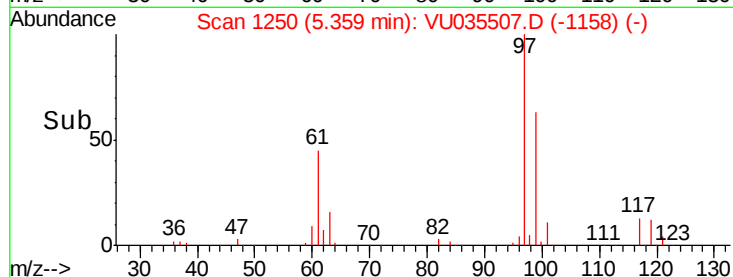
61 45.8 37.9 56.9



Abundance Ion 96.95 (96.65 to 97.65): VU035507.D (-1158) (-)

Ion 99.05 (98.75 to 99.75): VU035507.D (-1158) (-)

Ion 61.05 (60.75 to 61.75): VU035507.D (-1158) (-)



#30

Cyclohexane

Concen: 4.962 ug/L

RT: 5.43 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

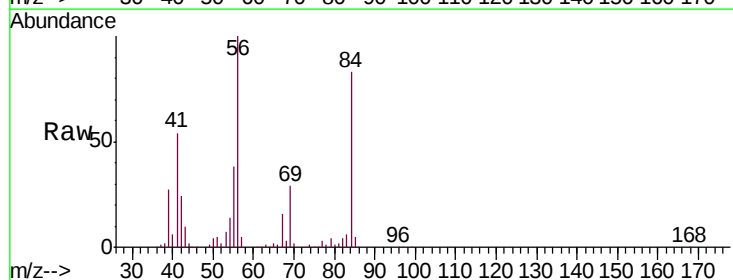
Tgt Ion: 56 Resp: 170837

Ion Ratio Lower Upper

56 100

69 29.7 23.9 35.9

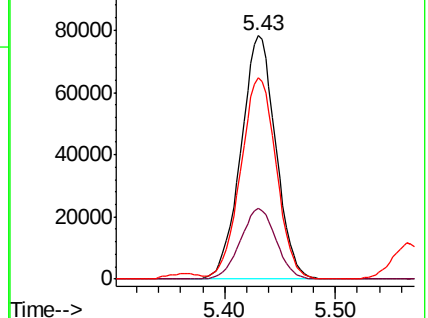
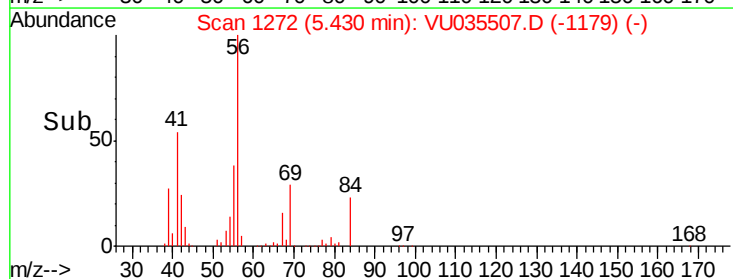
84 84.8 69.4 104.2

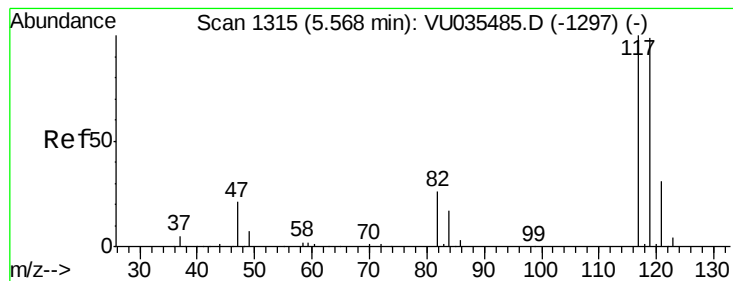


Abundance Ion 56.10 (55.80 to 56.80): VU035507.D (-1179) (-)

Ion 69.15 (68.85 to 69.85): VU035507.D (-1179) (-)

Ion 84.15 (83.85 to 84.85): VU035507.D (-1179) (-)





#31

Carbon tetrachloride

Concen: 5.079 ug/L

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

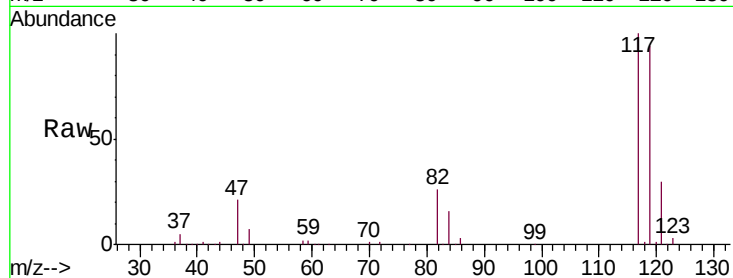
VSTD00556

Tgt Ion:117 Resp: 152725

Ion Ratio Lower Upper

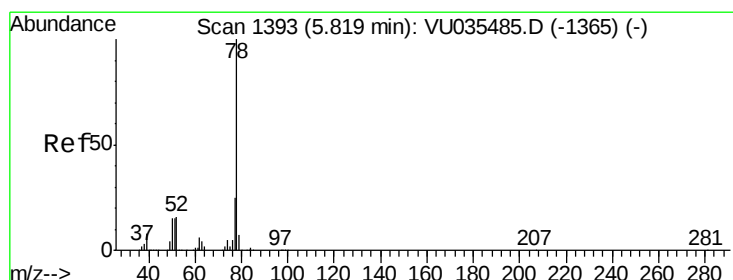
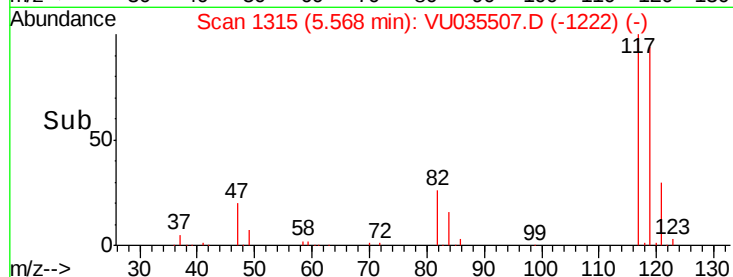
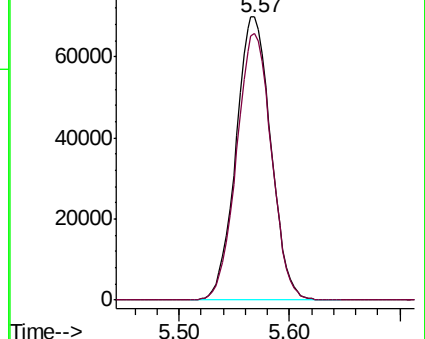
117 100

119 94.3 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.083 ug/L

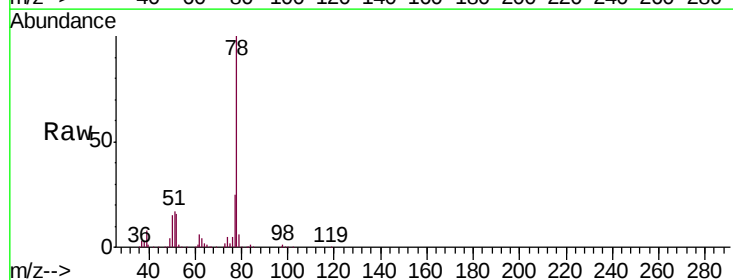
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

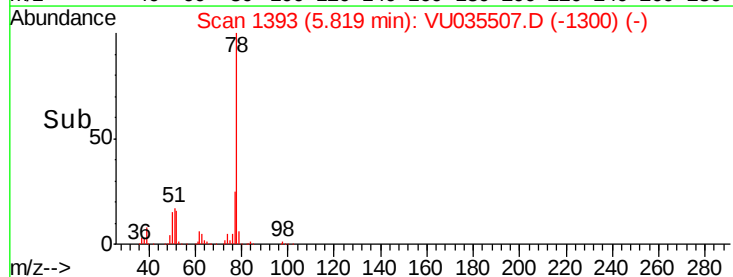
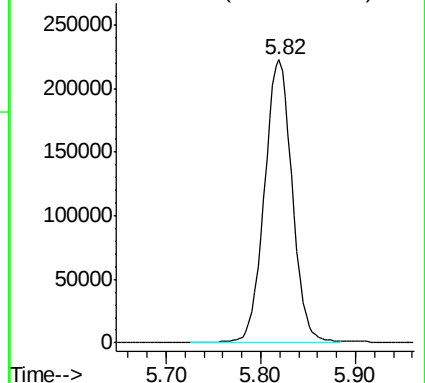
Lab File: VU035507.D

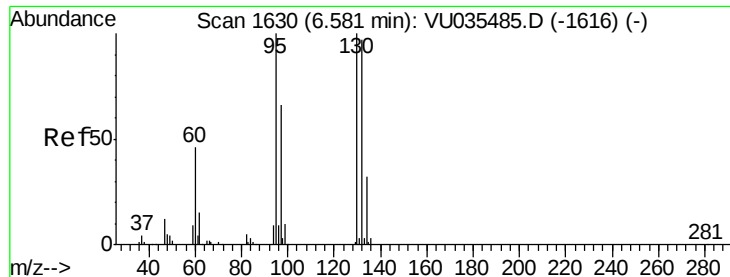
Acq: 26 Oct 2019 00:08

Tgt Ion: 78 Resp: 454066



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.974 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

Tgt Ion: 95 Resp: 109149

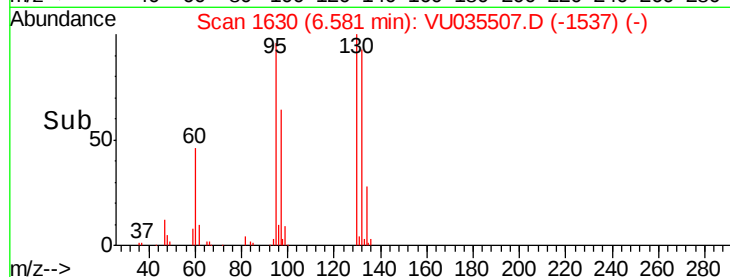
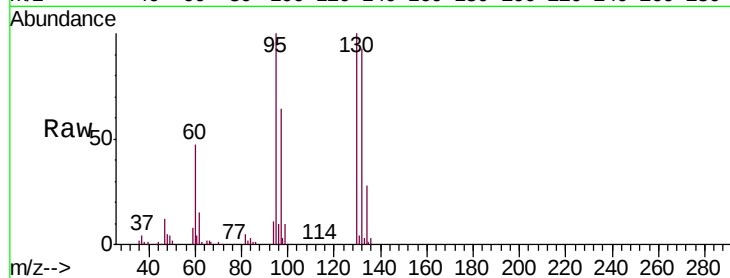
Ion Ratio Lower Upper

95 100

97 64.4 43.8 81.4

132 93.6 67.3 124.9

130 100.1 70.6 131.2

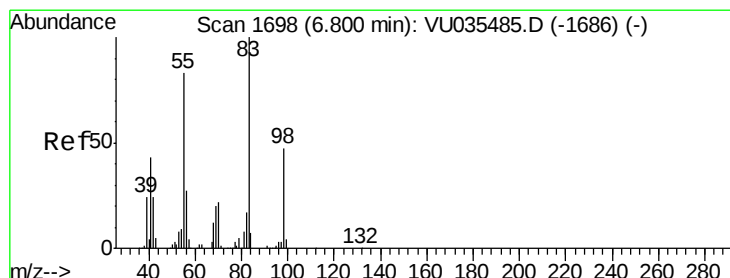
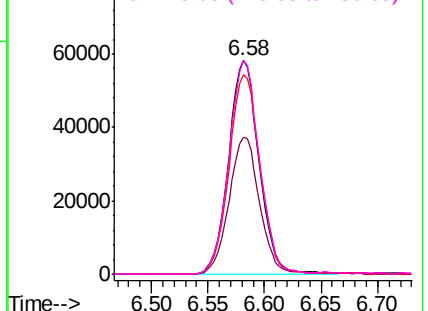


Abundance Ion 95.00 (94.70 to 95.70): VU035507.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035507.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035507.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035507.D (-1537) (-)



#35

Methylcyclohexane

Concen: 4.848 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

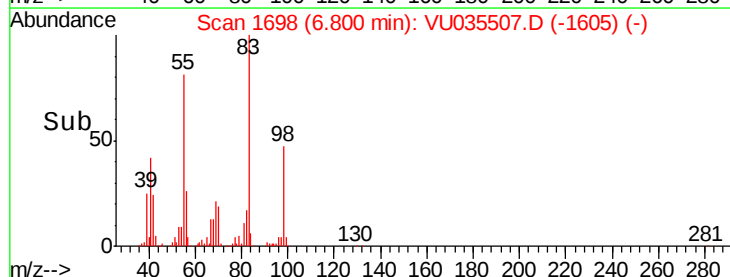
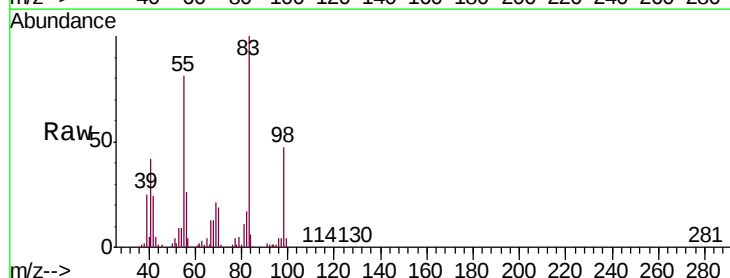
Tgt Ion: 83 Resp: 164657

Ion Ratio Lower Upper

83 100

55 80.8 67.3 100.9

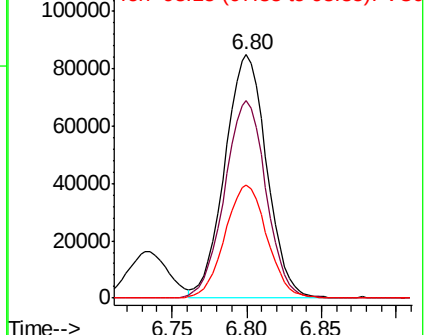
98 47.1 39.0 58.6

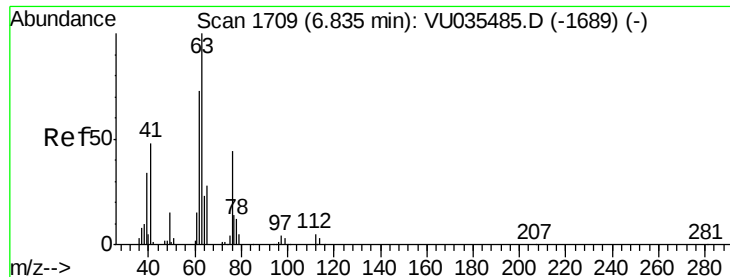


Abundance Ion 83.15 (82.85 to 83.85): VU035507.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035507.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035507.D (-1605) (-)

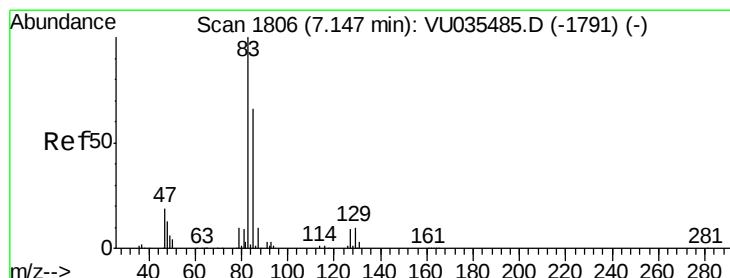
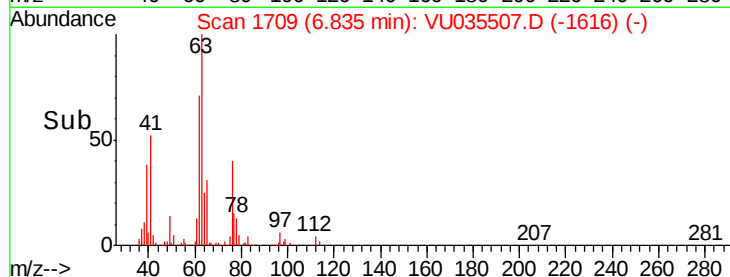
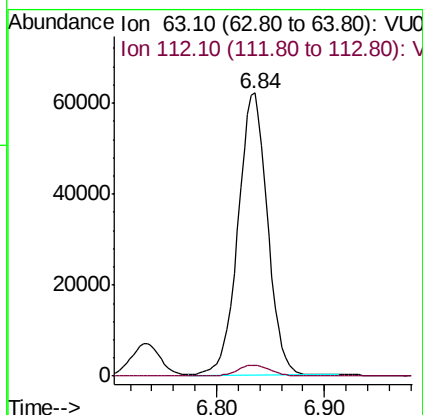
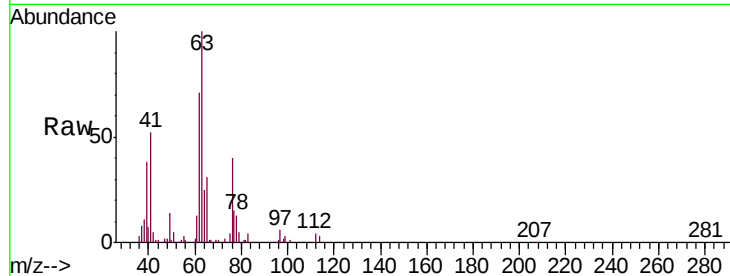




#37
 1,2-Dichloropropane
 Concen: 5.008 ug/L
 RT: 6.84 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

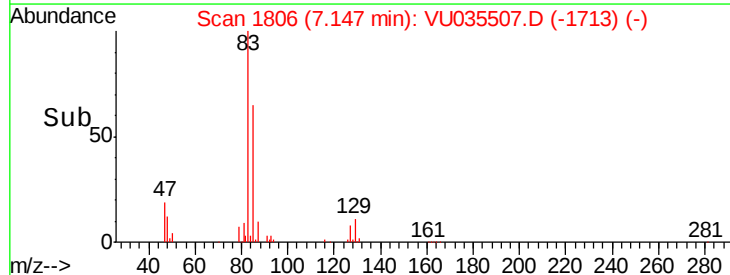
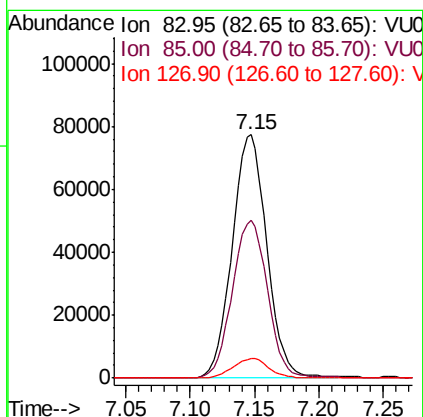
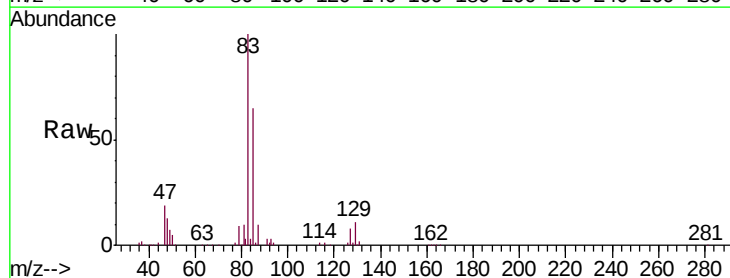
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00556

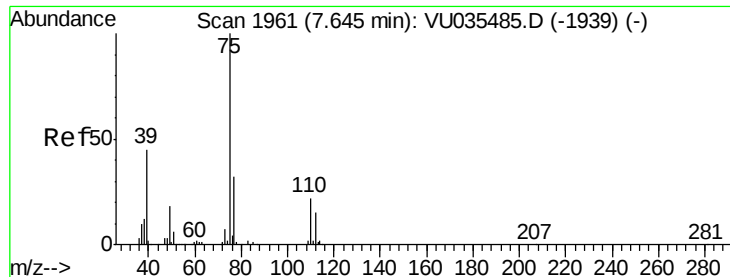
Tgt Ion: 63 Resp: 118198
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.936 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

Tgt Ion: 83 Resp: 144515
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.2 82.2
 127 7.9 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.857 ug/L

RT: 7.65 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

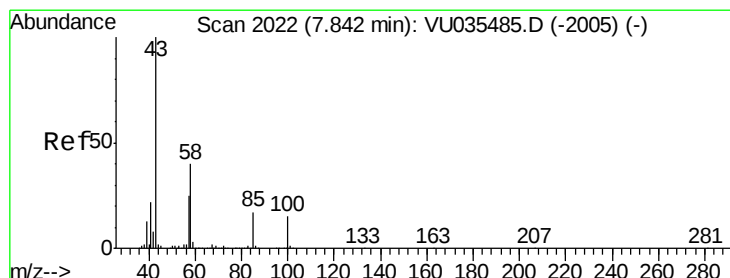
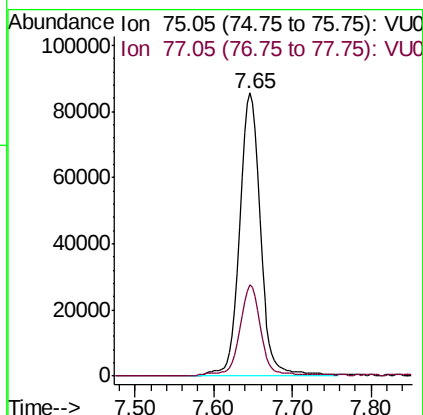
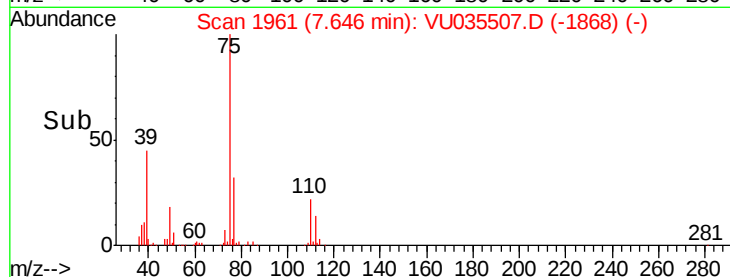
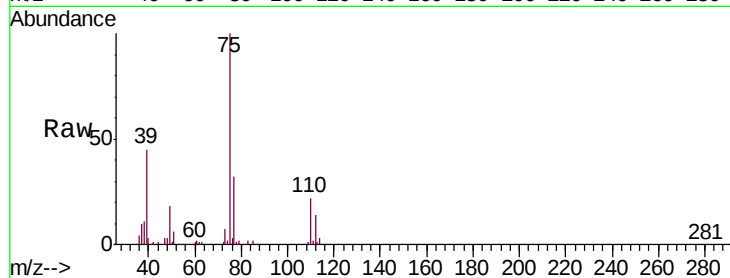
VSTD00556

Tgt Ion: 75 Resp: 159546

Ion Ratio Lower Upper

75 100

77 32.1 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 53.007 ug/L

RT: 7.84 min Scan# 2023

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

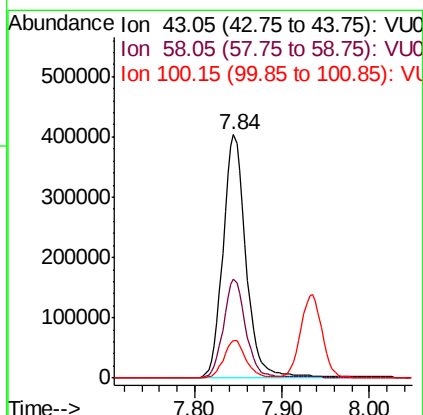
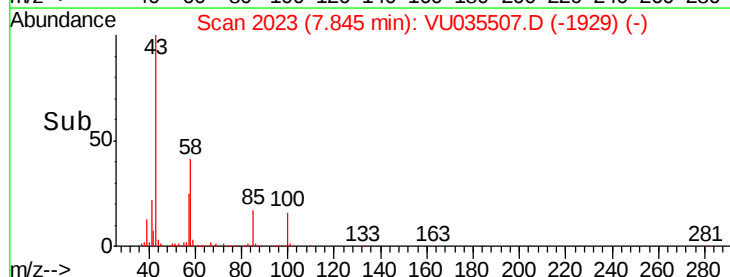
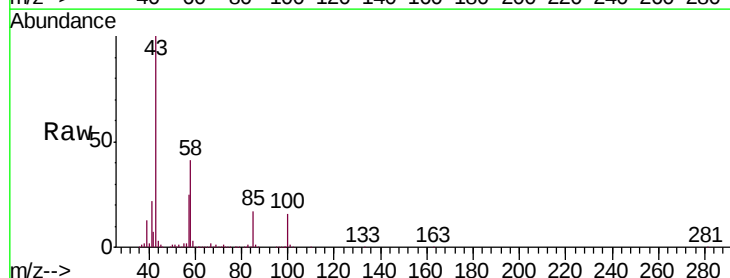
Tgt Ion: 43 Resp: 740702

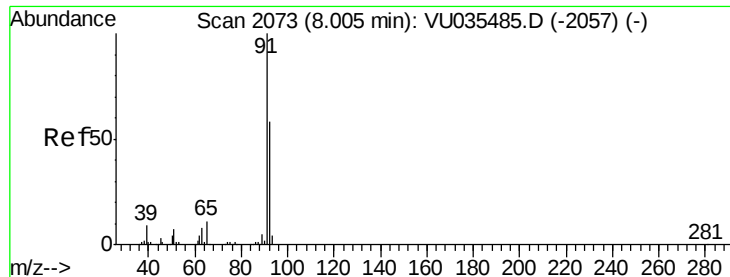
Ion Ratio Lower Upper

43 100

58 39.4 31.6 47.4

100 14.9 11.8 17.8





#42

Toluene

Concen: 5.155 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

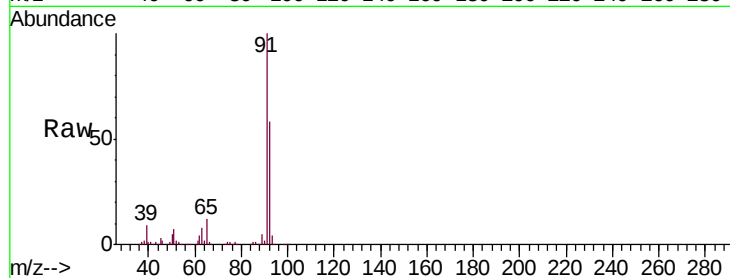
VSTD00556

Tgt Ion: 91 Resp: 470030

Ion Ratio Lower Upper

91 100

92 58.1 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035485.D (-2057) (-)

8.01

250000

200000

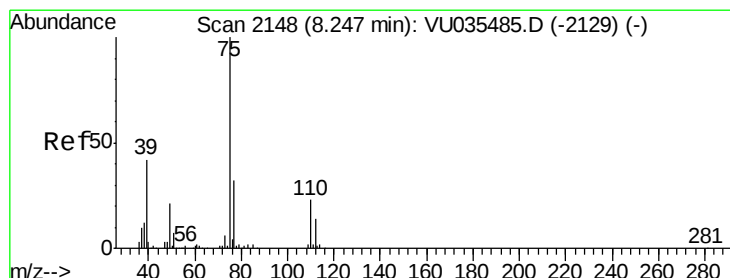
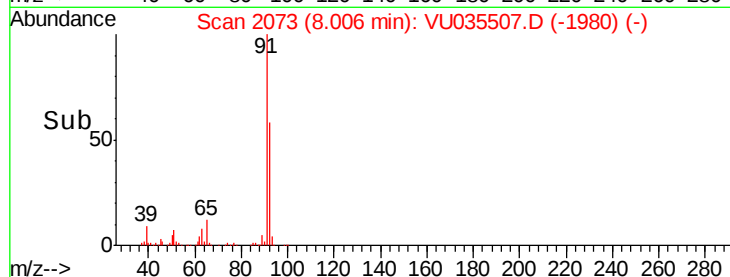
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.119 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035507.D

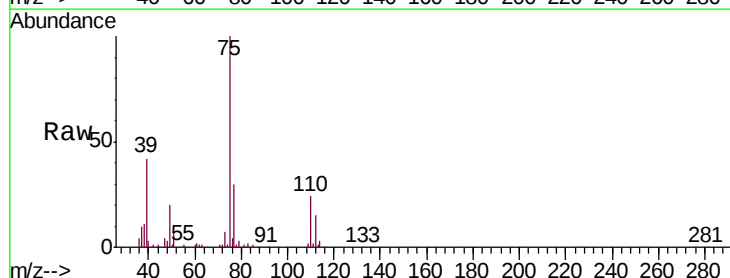
Acq: 26 Oct 2019 00:08

Tgt Ion: 75 Resp: 133018

Ion Ratio Lower Upper

75 100

77 29.6 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU035485.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU035485.D (-2129) (-)

8.25

80000

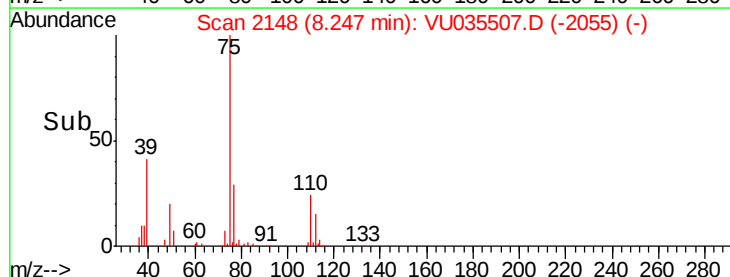
60000

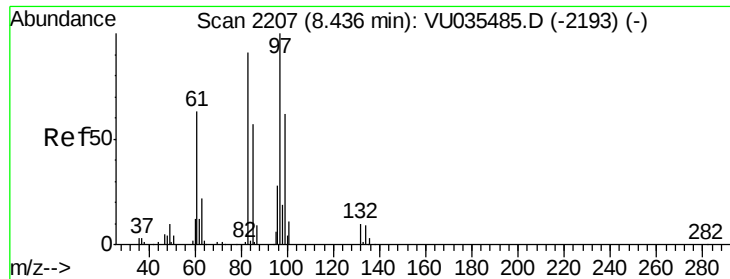
40000

20000

0

Time-->

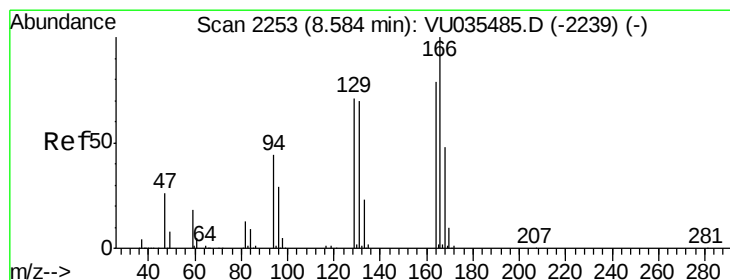
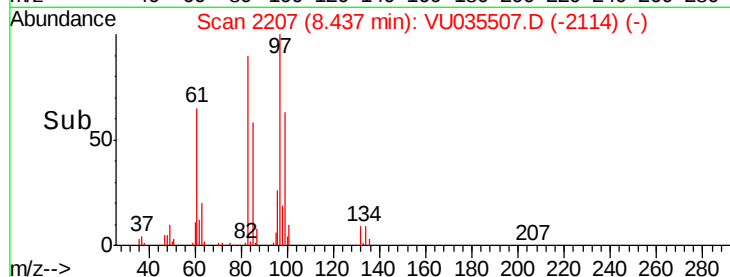
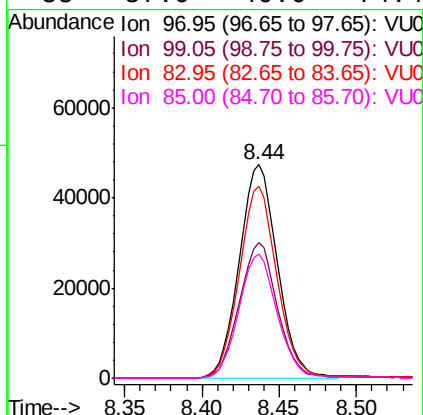
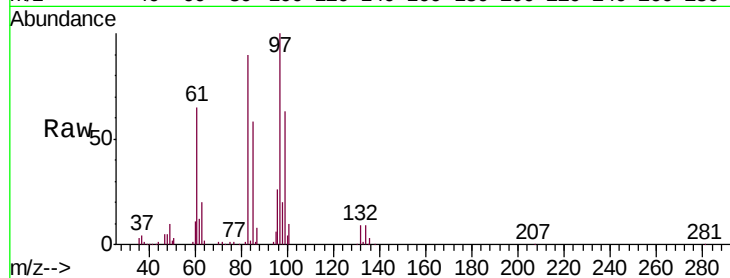




#45
 1,1,2-Trichloroethane
 Concen: 4.968 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

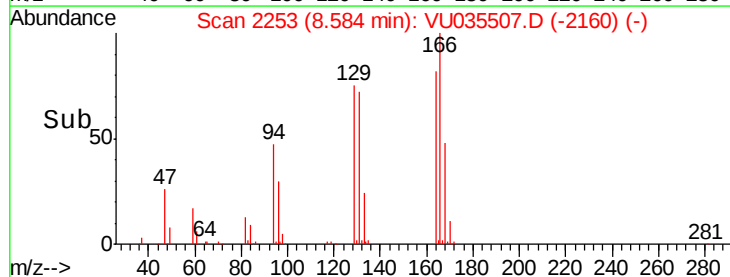
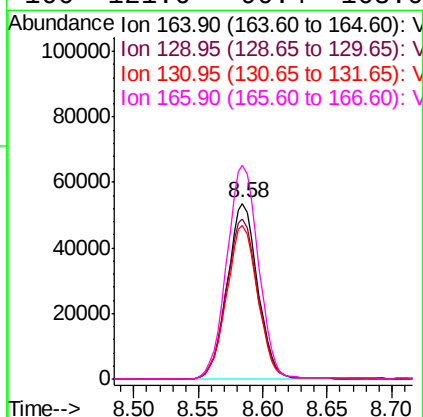
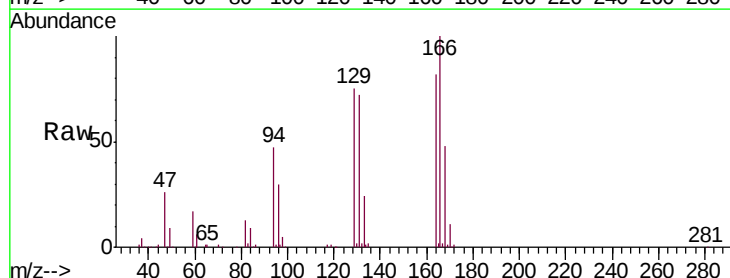
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00556

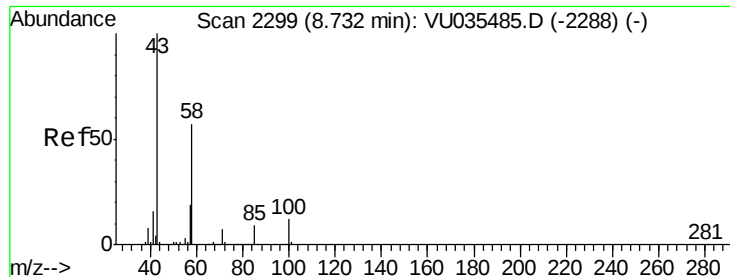
Tgt Ion:	97	Resp:	81429
Ion	Ratio	Lower	Upper
97	100		
99	63.5	43.6	81.0
83	89.9	62.3	115.7
85	57.9	40.0	74.4



#47
 Tetrachloroethene
 Concen: 4.888 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

Tgt Ion:	164	Resp:	88065
Ion	Ratio	Lower	Upper
164	100		
129	91.1	64.6	120.0
131	87.6	63.1	117.3
166	121.6	90.4	168.0

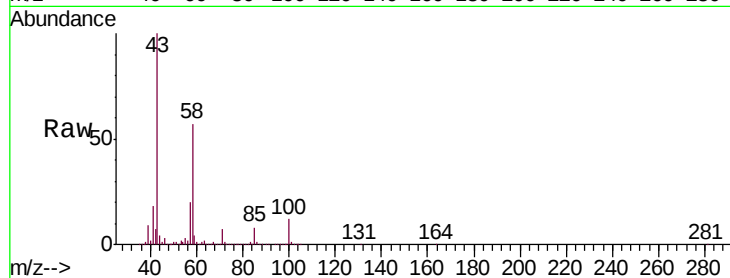




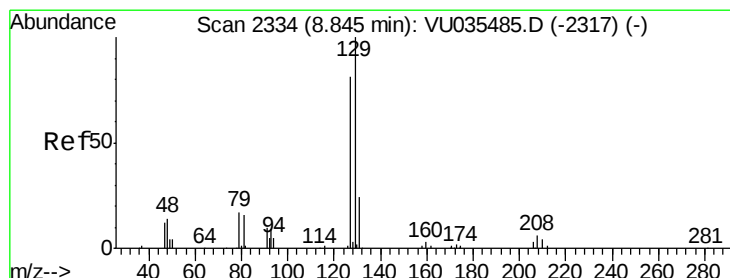
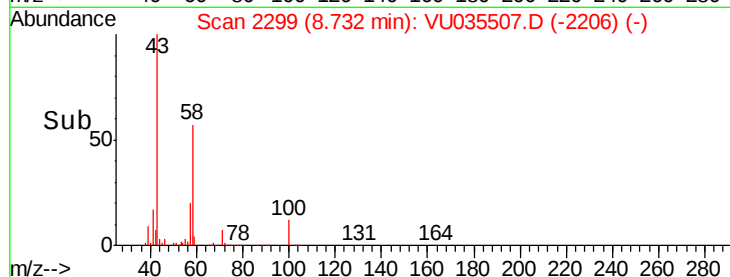
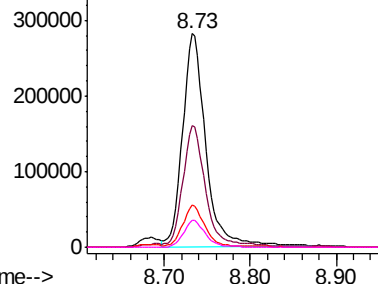
#48
2-Hexanone
Concen: 56.367 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

Tgt Ion:	43	Resp:	529717
Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.1	64.7
57	19.0	14.2	21.2
100	11.8	9.0	13.4

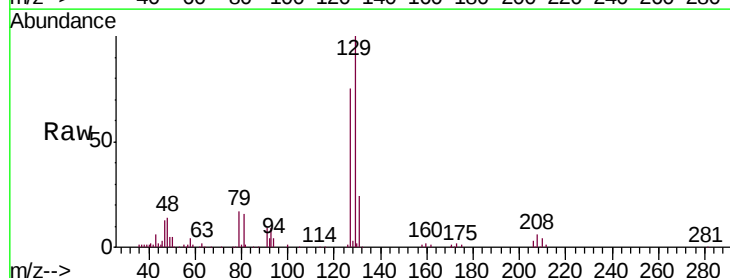


Abundance Ion 43.05 (42.75 to 43.75): VU035507.D (-2206) (-)
Ion 58.05 (57.75 to 58.75): VU035507.D (-2206) (-)
Ion 57.20 (56.90 to 57.90): VU035507.D (-2206) (-)
Ion 100.15 (99.85 to 100.85): VU035507.D (-2206) (-)

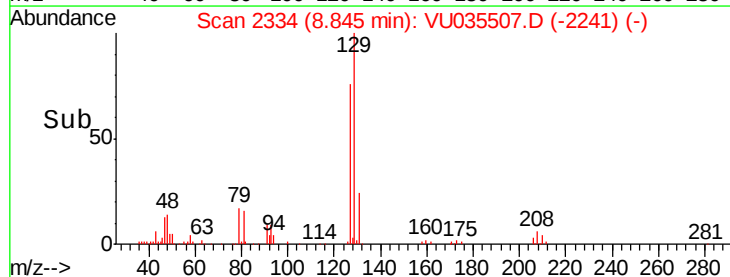
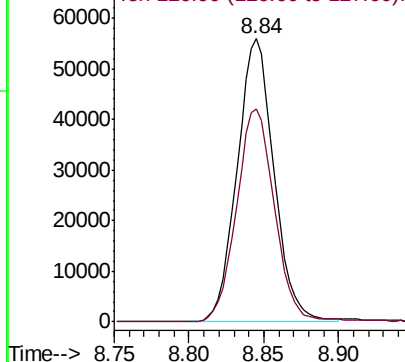


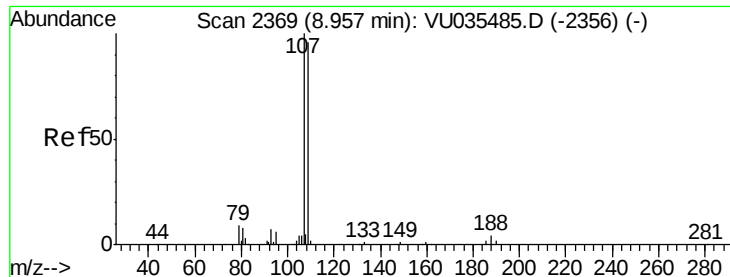
#49
Dibromochloromethane
Concen: 5.008 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Tgt Ion:	129	Resp:	96053
Ion	Ratio	Lower	Upper
129	100		
127	75.3	55.6	103.4



Abundance Ion 128.95 (128.65 to 129.65): VU035507.D (-2241) (-)
Ion 126.90 (126.60 to 127.60): VU035507.D (-2241) (-)

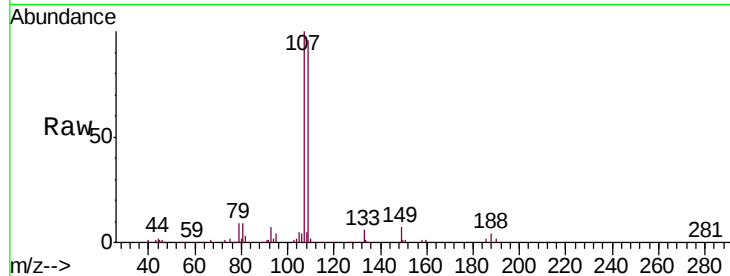




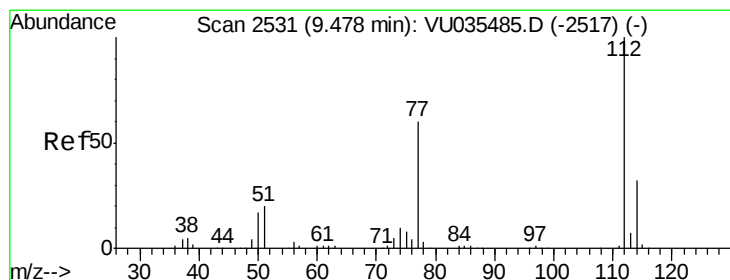
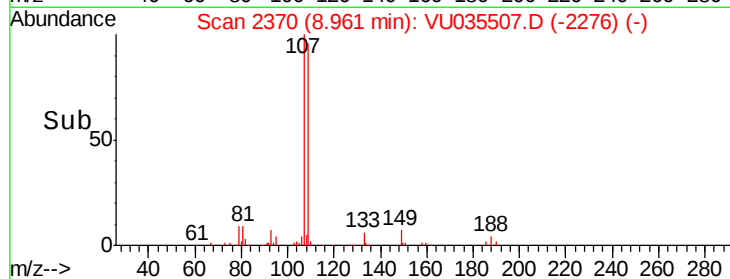
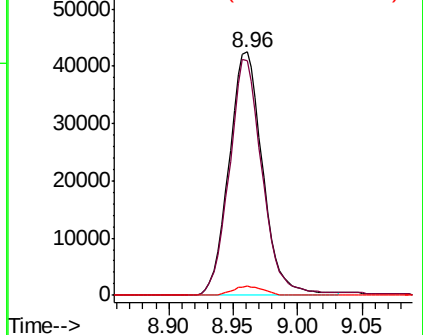
#50
 1,2-Dibromoethane
 Concen: 5.060 ug/L
 RT: 8.96 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00556

Tgt Ion:107 Resp: 77073
 Ion Ratio Lower Upper
 107 100
 109 96.4 66.9 124.3
 188 3.7 2.6 4.0

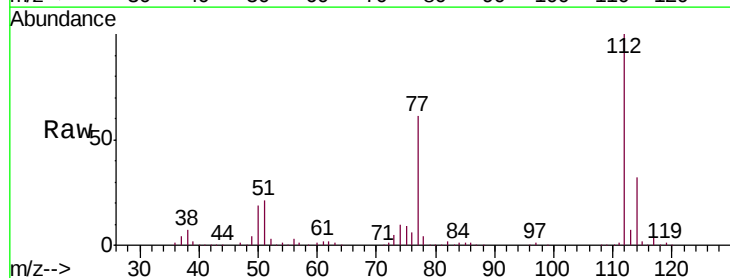


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

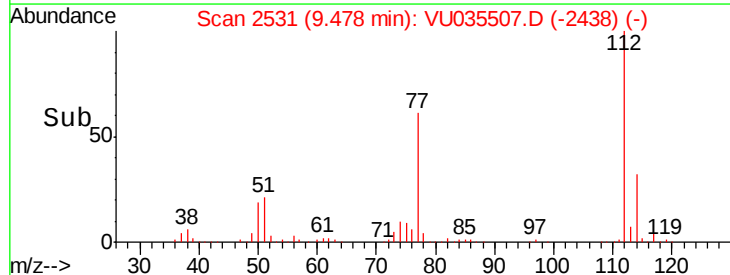
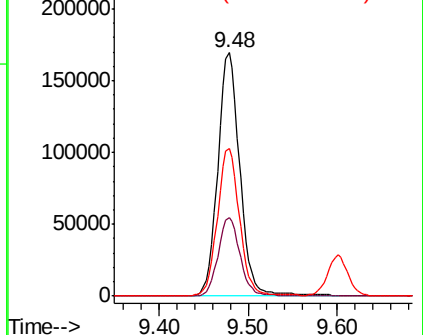


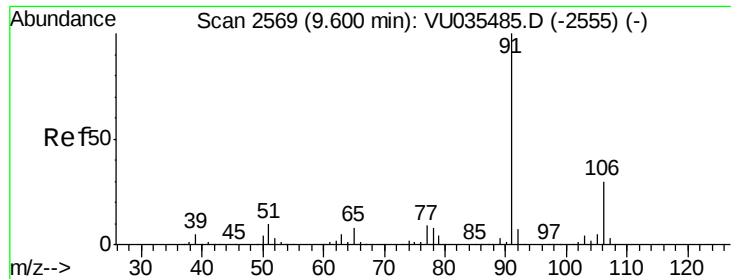
#51
 Chlorobenzene
 Concen: 5.061 ug/L
 RT: 9.48 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

Tgt Ion:112 Resp: 290741
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.7 42.3
 77 60.7 49.1 73.7



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.068 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

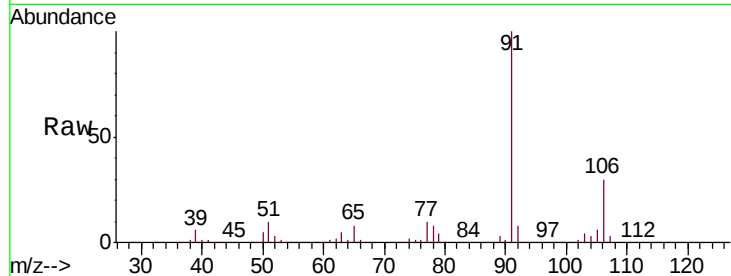
VSTD00556

Tgt Ion: 91 Resp: 482695

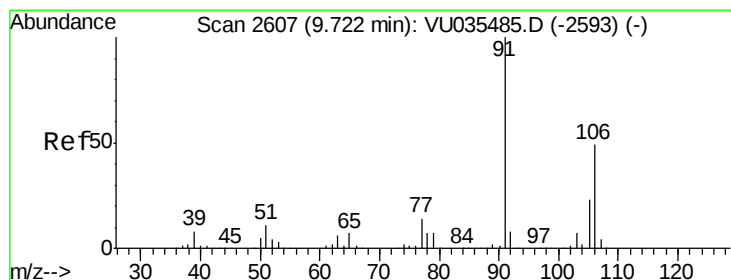
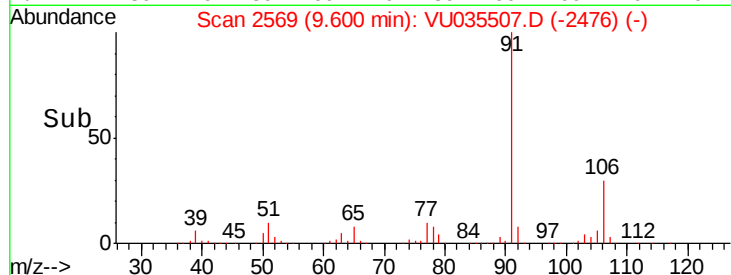
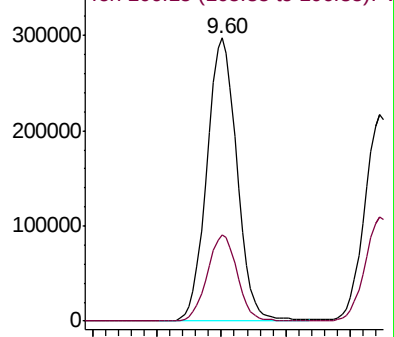
Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-2555) (-)



#53

m,p-Xylene

Concen: 5.197 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VU035507.D

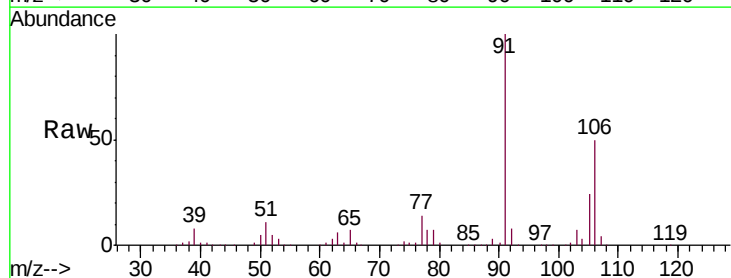
Acq: 26 Oct 2019 00:08

Tgt Ion: 106 Resp: 180747

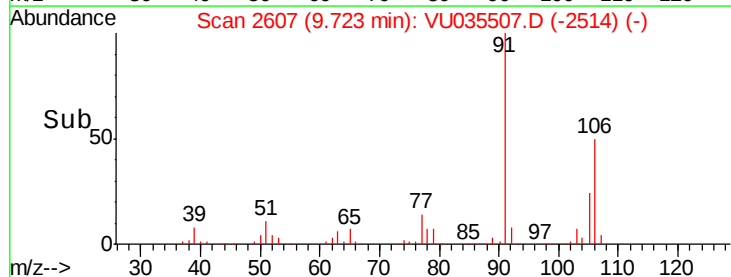
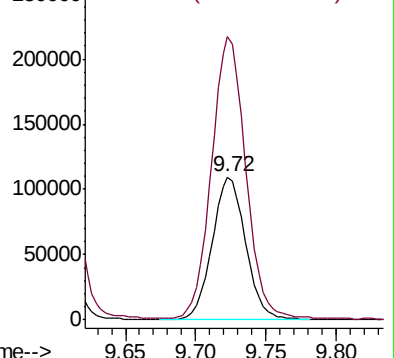
Ion Ratio Lower Upper

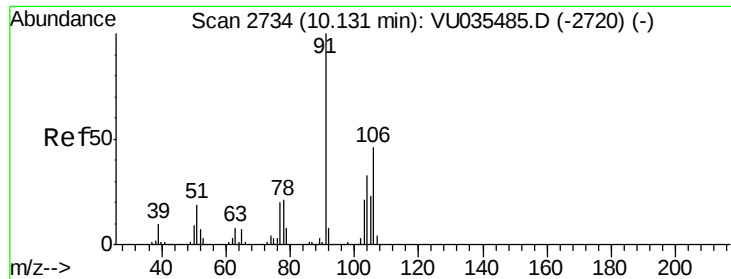
106 100

91 198.3 142.3 264.3



Abundance Ion 106.15 (105.85 to 106.85): VU035485.D (-2593) (-)

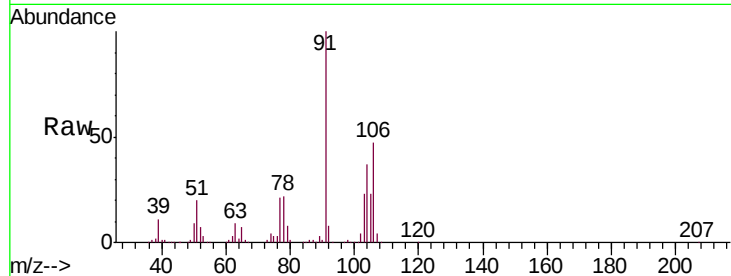




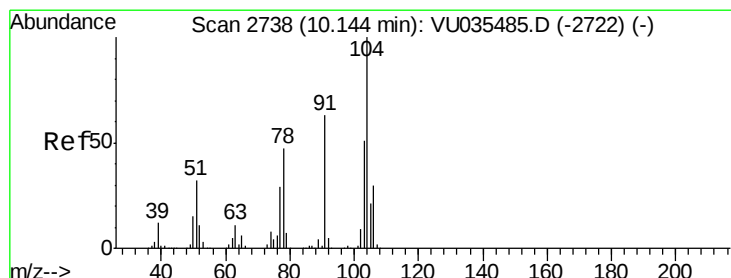
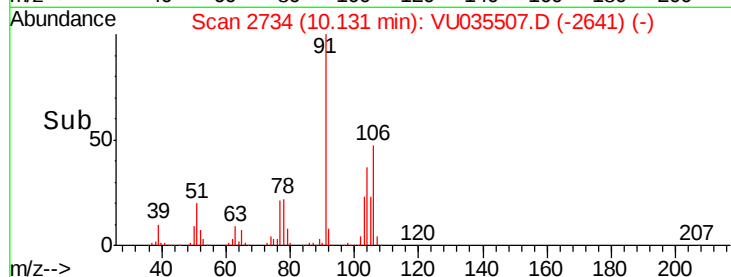
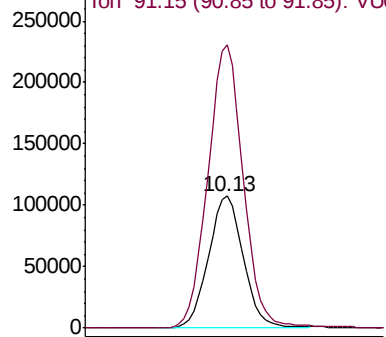
#54
o-Xylene
Concen: 5.153 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

Tgt Ion:106 Resp: 174598
Ion Ratio Lower Upper
106 100
91 214.5 150.8 280.1

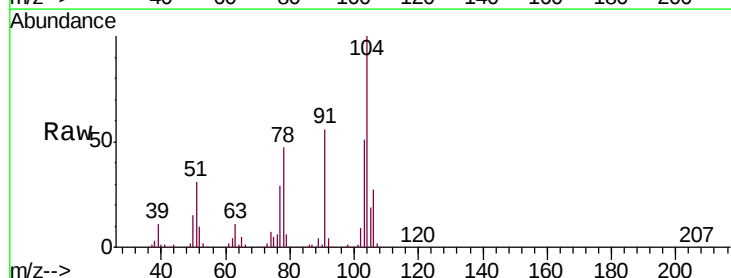


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

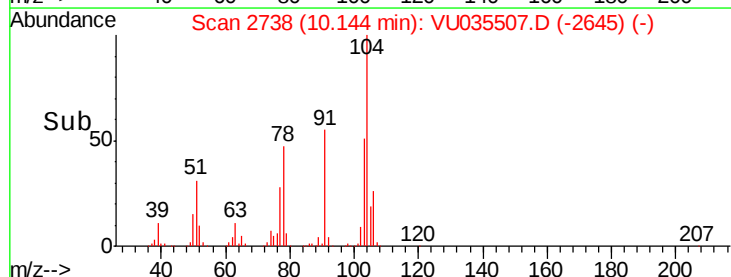
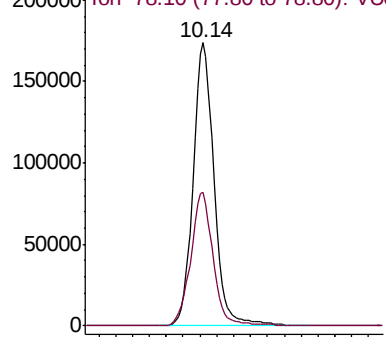


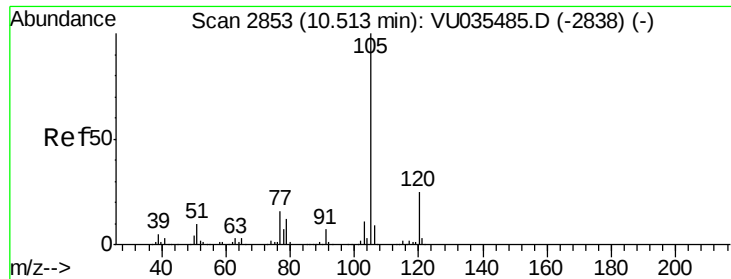
#55
Styrene
Concen: 5.404 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Tgt Ion:104 Resp: 299041
Ion Ratio Lower Upper
104 100
78 47.1 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.138 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

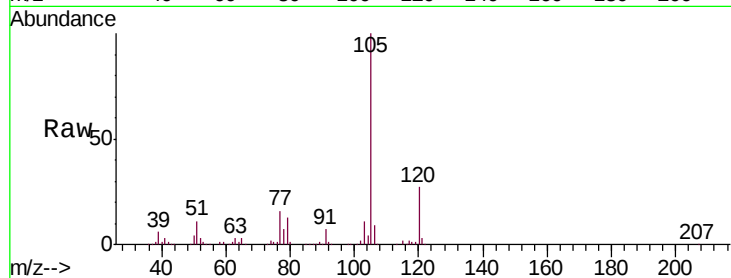
Tgt Ion: 105 Resp: 454663

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.4

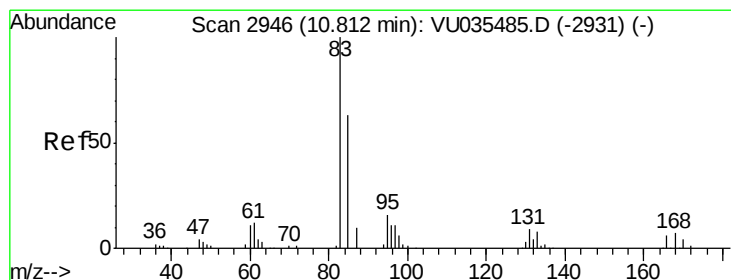
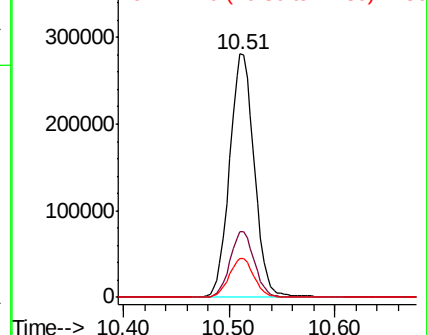
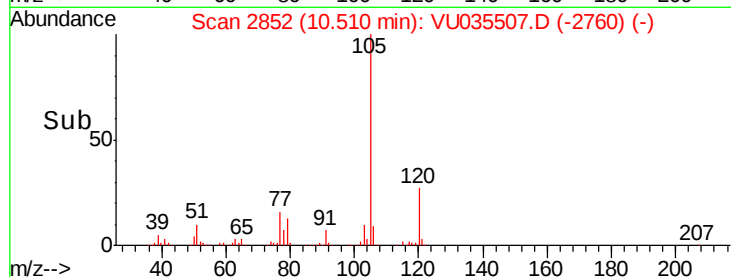
77 16.1 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.054 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

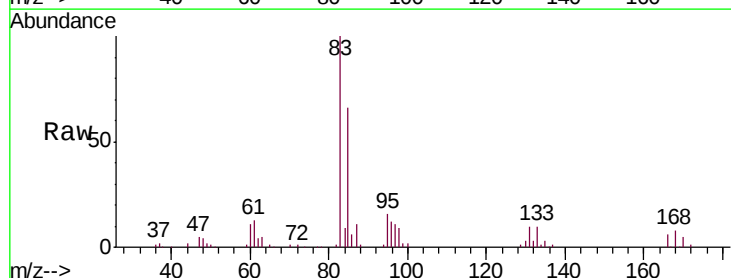
Tgt Ion: 83 Resp: 108333

Ion Ratio Lower Upper

83 100

85 65.9 44.7 83.1

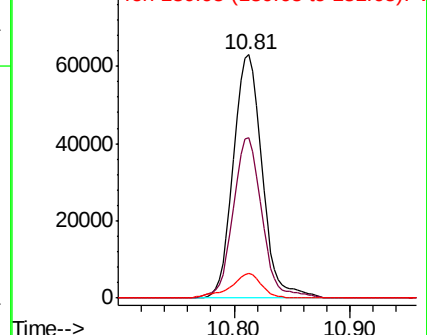
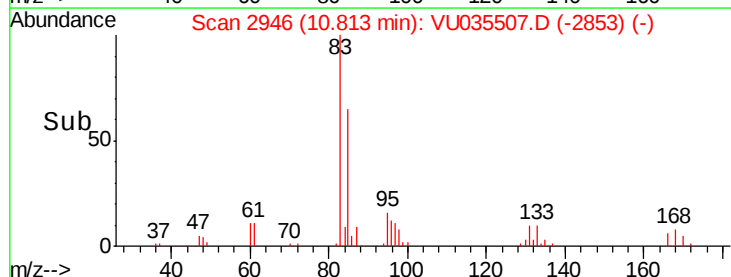
131 10.2 7.4 11.2

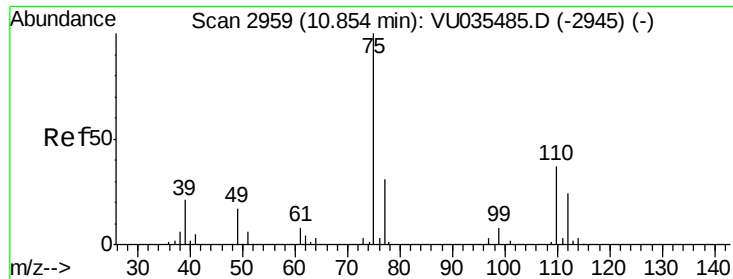


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

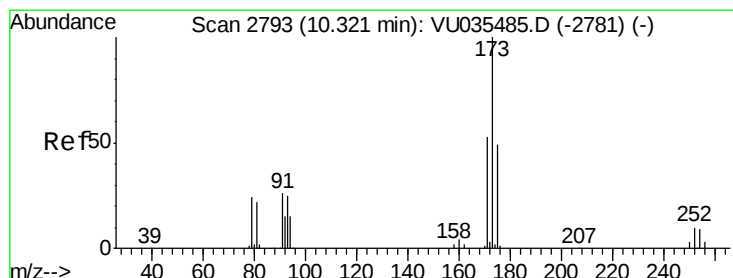
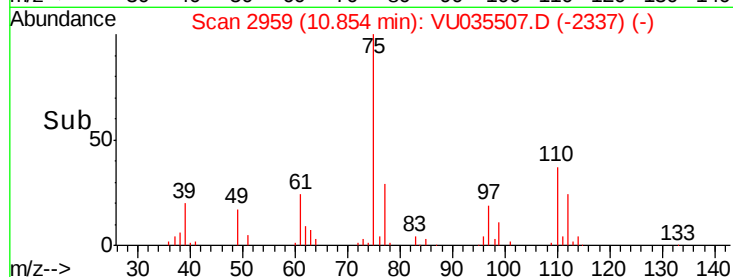
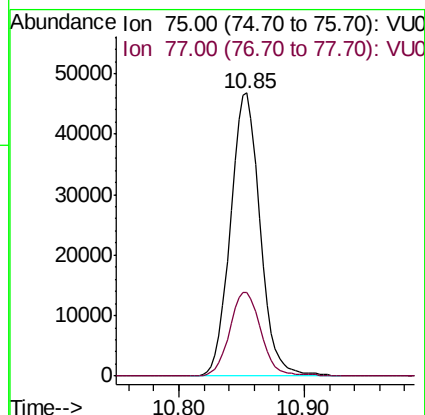
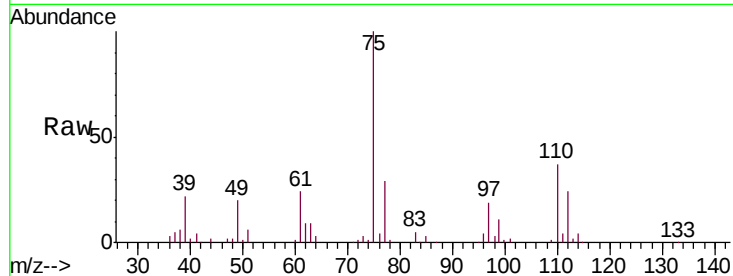




#59
 1,2,3-Trichloropropane
 Concen: 5.093 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

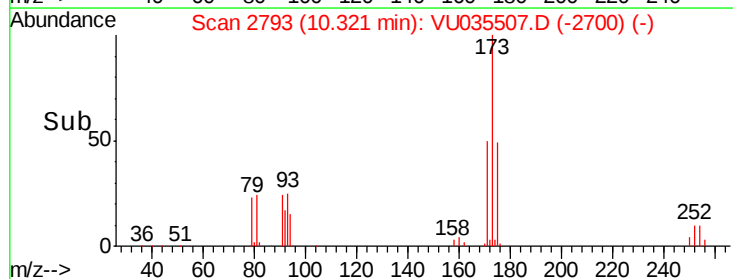
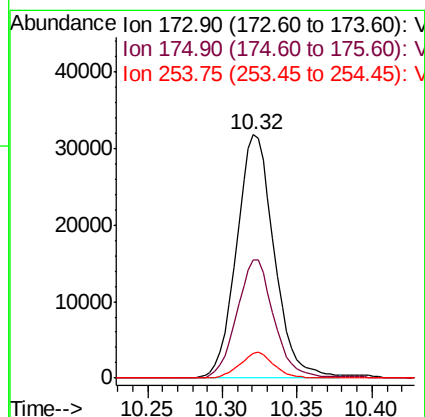
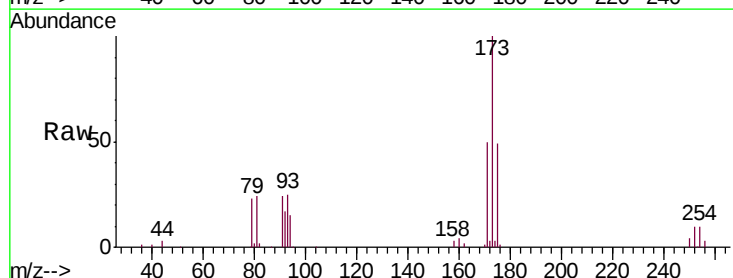
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00556

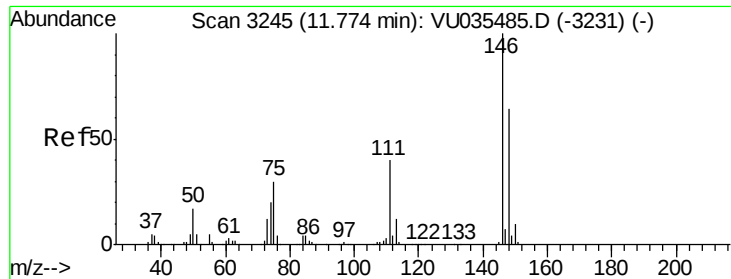
Tgt Ion: 75 Resp: 77024
 Ion Ratio Lower Upper
 75 100
 77 31.3 27.4 41.0



#61
 Bromoform
 Concen: 4.569 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

Tgt Ion: 173 Resp: 55682
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.1 58.7
 254 9.5 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.088 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

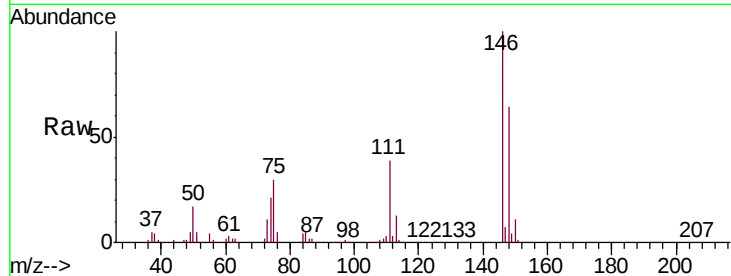
Tgt Ion:146 Resp: 217999

Ion Ratio Lower Upper

146 100

111 39.3 28.1 52.3

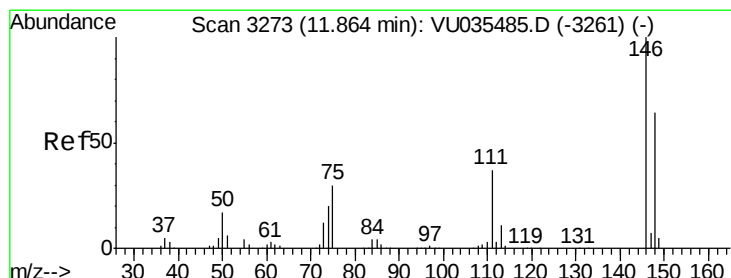
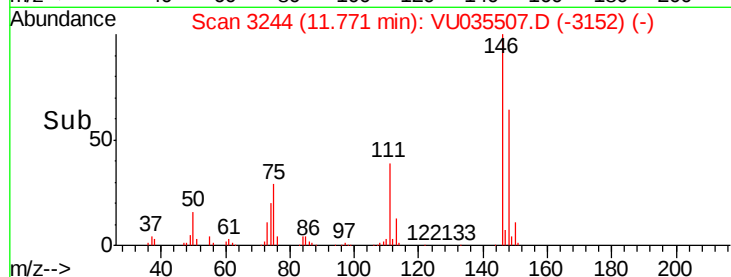
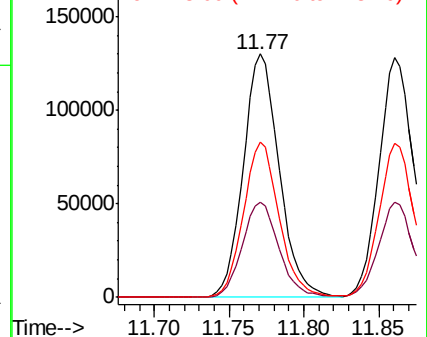
148 63.7 44.8 83.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.987 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

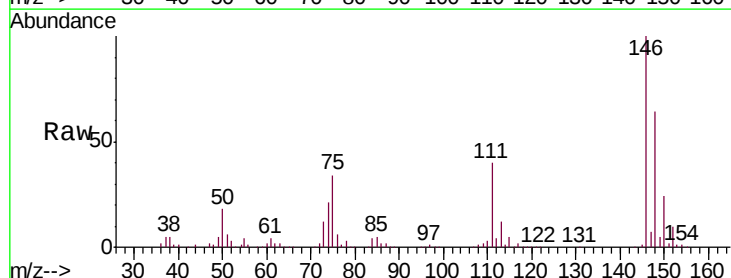
Tgt Ion:146 Resp: 212605

Ion Ratio Lower Upper

146 100

111 39.7 26.9 49.9

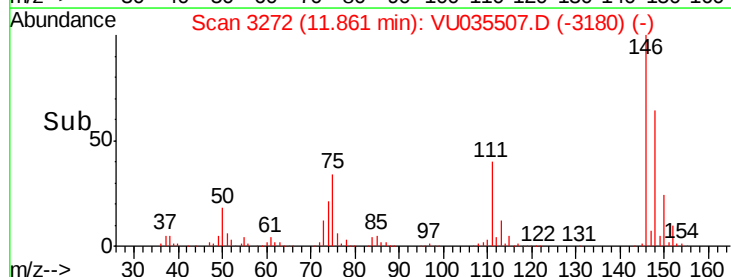
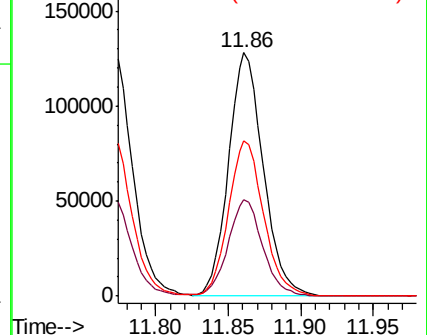
148 64.0 44.2 82.2

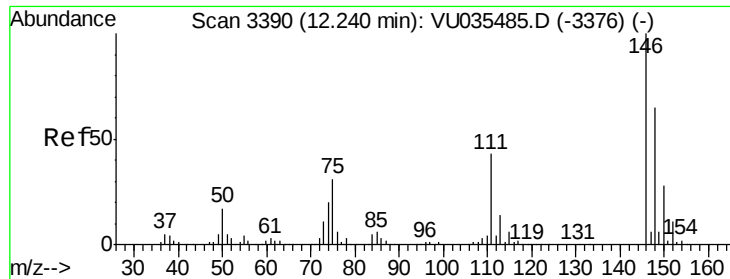


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.014 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

Instrument :

MSVOA_U

ClientSampleId :

VSTD00556

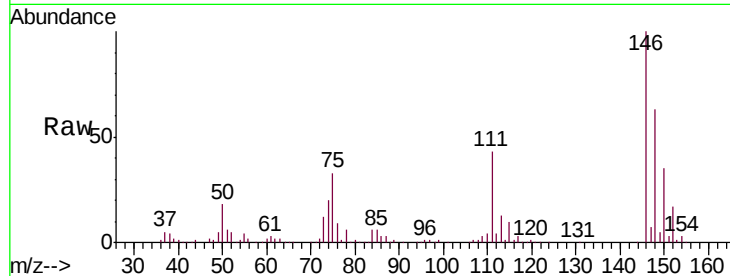
Tgt Ion:146 Resp: 206355

Ion Ratio Lower Upper

146 100

111 43.4 33.4 50.2

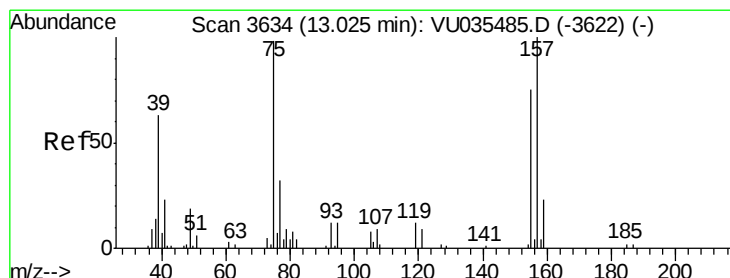
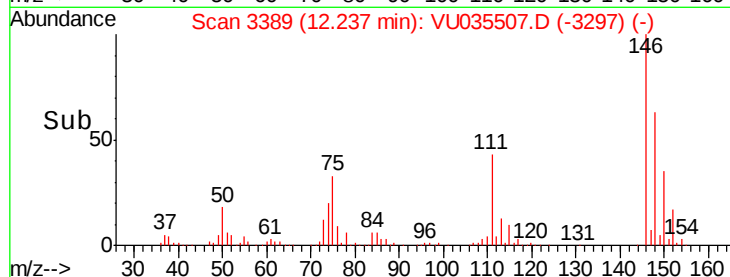
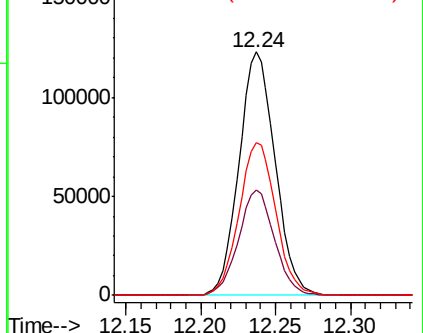
148 62.7 52.7 79.1



Abundance Ion 145.95 (145.65 to 146.65): 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: 5.092 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU035507.D

Acq: 26 Oct 2019 00:08

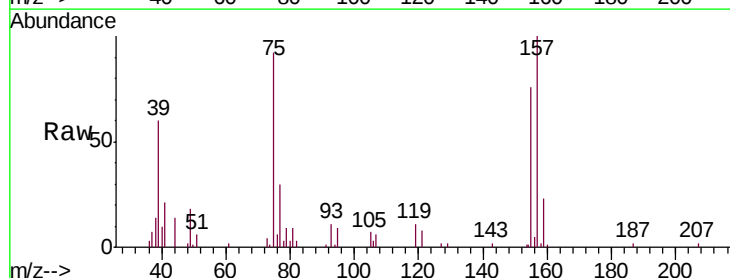
Tgt Ion: 75 Resp: 14071

Ion Ratio Lower Upper

75 100

155 82.6 67.1 100.7

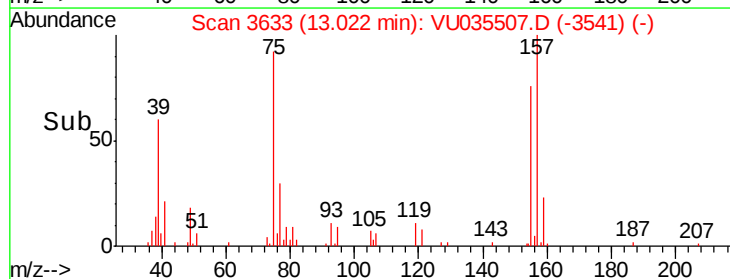
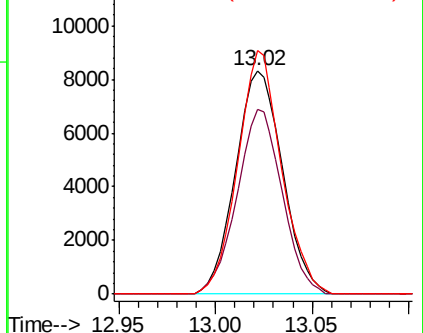
157 108.9 83.4 125.2

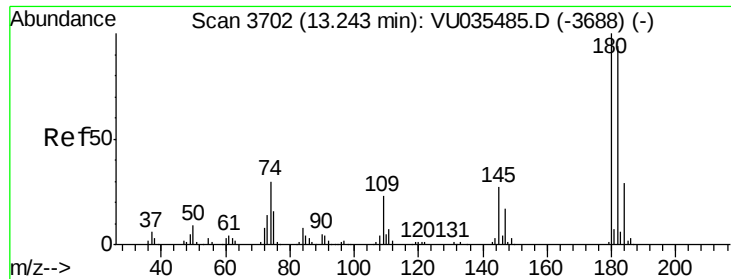


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

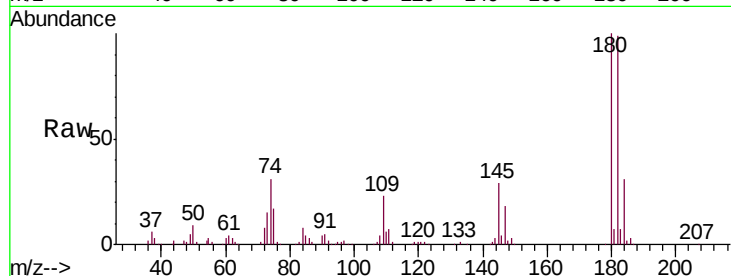




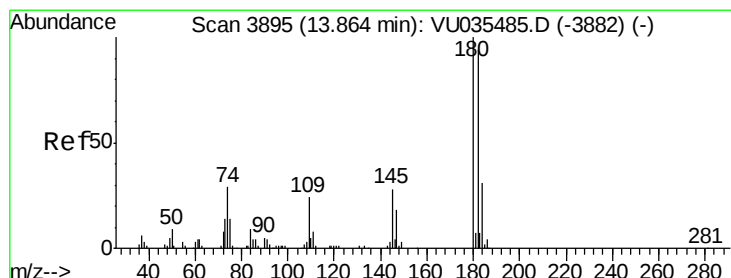
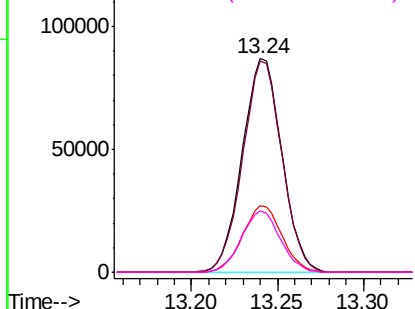
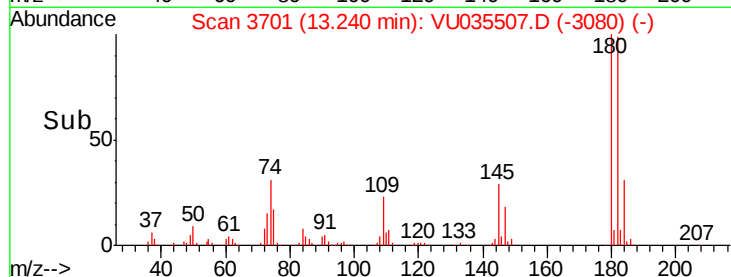
#67
 1,3,5-Trichlorobenzene
 Concen: 5.256 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00556

Tgt Ion:	180	Resp:	139092
Ion Ratio	Lower	Upper	
180	100		
182	97.4	75.3	112.9
184	31.1	25.1	37.7
145	28.2	21.8	32.8

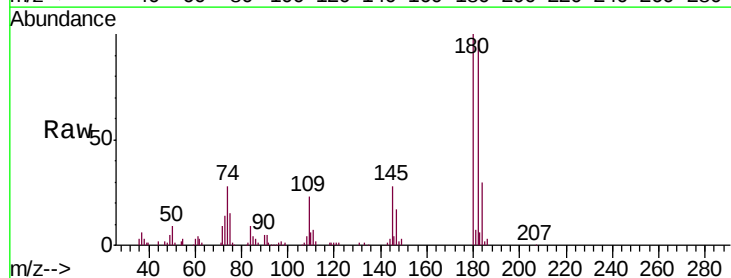


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

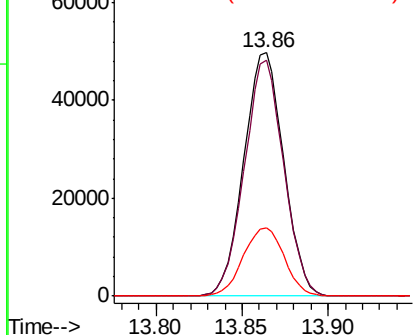
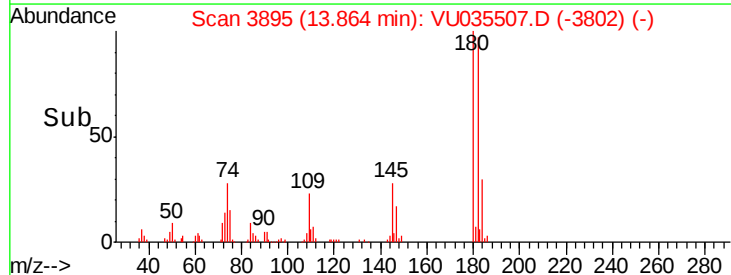


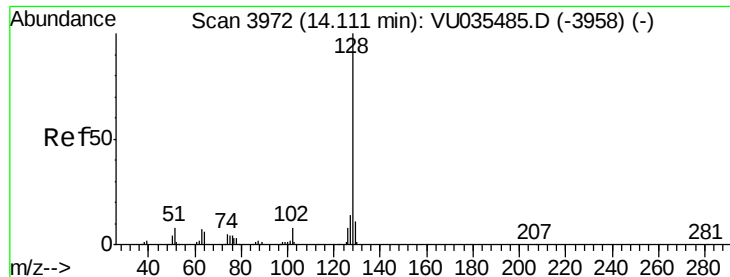
#68
 1,2,4-trichlorobenzene
 Concen: 5.448 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035507.D
 Acq: 26 Oct 2019 00:08

Tgt Ion:	180	Resp:	80176
Ion Ratio	Lower	Upper	
180	100		
182	95.4	78.7	118.1
145	28.8	23.4	35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

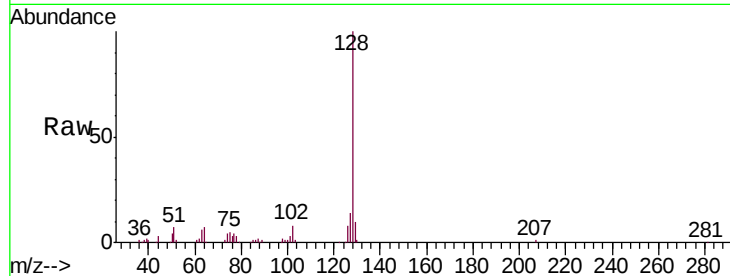




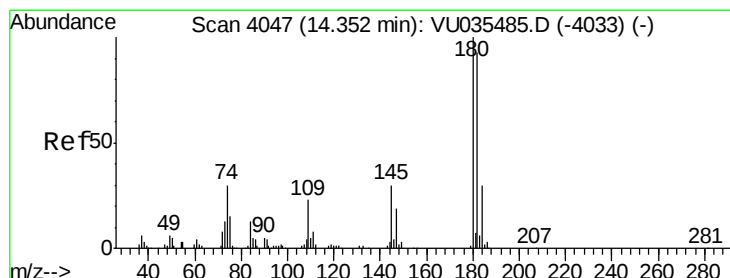
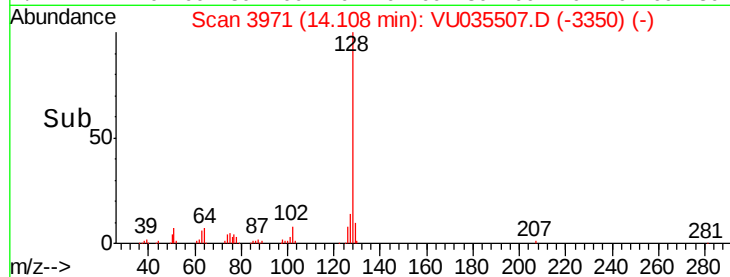
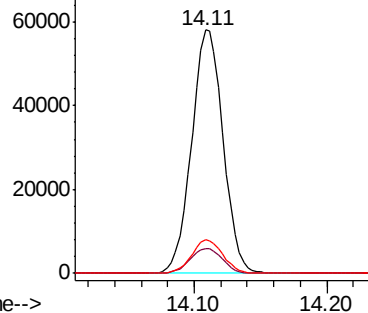
#69
Naphthalene
Concen: 4.755 ug/L
RT: 14.11 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Instrument :
MSVOA_U
ClientSampleId :
VSTD00556

Tgt Ion:128 Resp: 95531
Ion Ratio Lower Upper
128 100
129 10.6 8.9 13.3
127 13.6 10.9 16.3

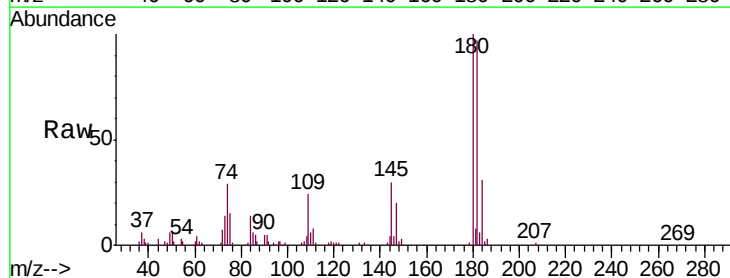


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 5.497 ug/L
RT: 14.35 min Scan# 4047
Delta R.T. 0.00 min
Lab File: VU035507.D
Acq: 26 Oct 2019 00:08

Tgt Ion:180 Resp: 80595
Ion Ratio Lower Upper
180 100
182 95.9 76.6 114.8
145 30.0 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

