

Data File : VU034955.D
Acq On : 07 Oct 2019 12:28
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Quant Time: Oct 09 02:58:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 02:54:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	201618	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	198835	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	100125	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58460	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	1.67	69	52044	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.26	63	121785	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.19	46	197719	56.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	4.62	84	112577	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.29	65	65788	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.31	84	233468	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.31	67	78030	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.54	98	231920	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	7.83	79	29845	5.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.40%
46) 2-Hexanone-d5	8.30	63	156529	58.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.34%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	69060	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	86200	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	92077	4.997 ug/L	100
3) Chloromethane	1.32	50	100727	4.983 ug/L	98
5) Vinyl chloride	1.40	62	99960	5.035 ug/L	98
6) Bromomethane	1.62	94	53321	4.831 ug/L	100
8) Chloroethane	1.69	64	59610	5.006 ug/L	98
9) Trichlorofluoromethane	1.87	101	121402	5.056 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	67415	4.890 ug/L	99
12) 1,1-Dichloroethene	2.27	96	63902	4.934 ug/L	97
13) Acetone	2.33	43	155914	54.240 ug/L	98
14) Carbon disulfide	2.46	76	213060	4.944 ug/L	98
15) Methyl Acetate	2.61	43	39275	5.133 ug/L	99
16) Methylene chloride	2.68	84	73883	4.608 ug/L	96
17) Methyl tert-butyl Ether	2.99	73	183825	5.203 ug/L	100
18) trans-1,2-Dichloroethene	2.96	96	67891	4.896 ug/L	96
19) 1,1-Dichloroethane	3.42	63	138143	5.012 ug/L	98
21) 2-Butanone	4.27	43	239647	58.543 ug/L	100
22) cis-1,2-Dichloroethene	4.20	96	76148	4.923 ug/L	97

Data File : VU034955.D
Acq On : 07 Oct 2019 12:28
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Quant Time: Oct 09 02:58:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 02:54:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	34431	5.311	ug/L	95
25) Chloroform	4.65	83	146367	4.727	ug/L	96
27) 1,2-Dichloroethane	5.38	62	91347	5.051	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	111586	4.997	ug/L	99
30) Cyclohexane	4.97	56	122579	4.992	ug/L	100
31) Carbon tetrachloride	5.11	117	98917	5.108	ug/L	99
33) Benzene	5.36	78	299120	4.994	ug/L	100
34) Trichloroethene	6.16	95	76858	4.976	ug/L	95
35) Methylcyclohexane	6.39	83	127113	5.081	ug/L	100
37) 1,2-Dichloropropane	6.41	63	81851	5.066	ug/L	99
38) Bromodichloromethane	6.74	83	95942	5.066	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	112503	5.140	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	571067	56.161	ug/L	99
42) Toluene	7.61	91	322547	5.159	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	90137	5.317	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	57363	5.348	ug/L	99
47) Tetrachloroethene	8.21	164	61655	4.931	ug/L	98
48) 2-Hexanone	8.35	43	410660	58.903	ug/L	98
49) Dibromochloromethane	8.46	129	63277	5.103	ug/L	90
50) 1,2-Dibromoethane	8.57	107	54985	5.363	ug/L	96
51) Chlorobenzene	9.10	112	201602	4.976	ug/L	98
52) Ethylbenzene	9.23	91	355760	5.152	ug/L	100
53) m,p-Xylene	9.35	106	133312	5.227	ug/L	100
54) o-Xylene	9.76	106	129713	5.200	ug/L	99
55) Styrene	9.77	104	216141	5.351	ug/L	97
56) Isopropylbenzene	10.14	105	339991	5.116	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	77992	5.346	ug/L	99
59) 1,2,3-Trichloropropane	10.47	75	56109	5.365	ug/L	98
61) Bromoform	9.94	173	36302	5.286	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	161986	5.252	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	164488	5.284	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	155036	5.209	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	10503	5.553	ug/L	92
67) 1,3,5-Trichlorobenzene	12.86	180	114991	5.506	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	94657	6.069	ug/L	99
69) Naphthalene	13.72	128	157782	6.506	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	91604	6.039	ug/L	99

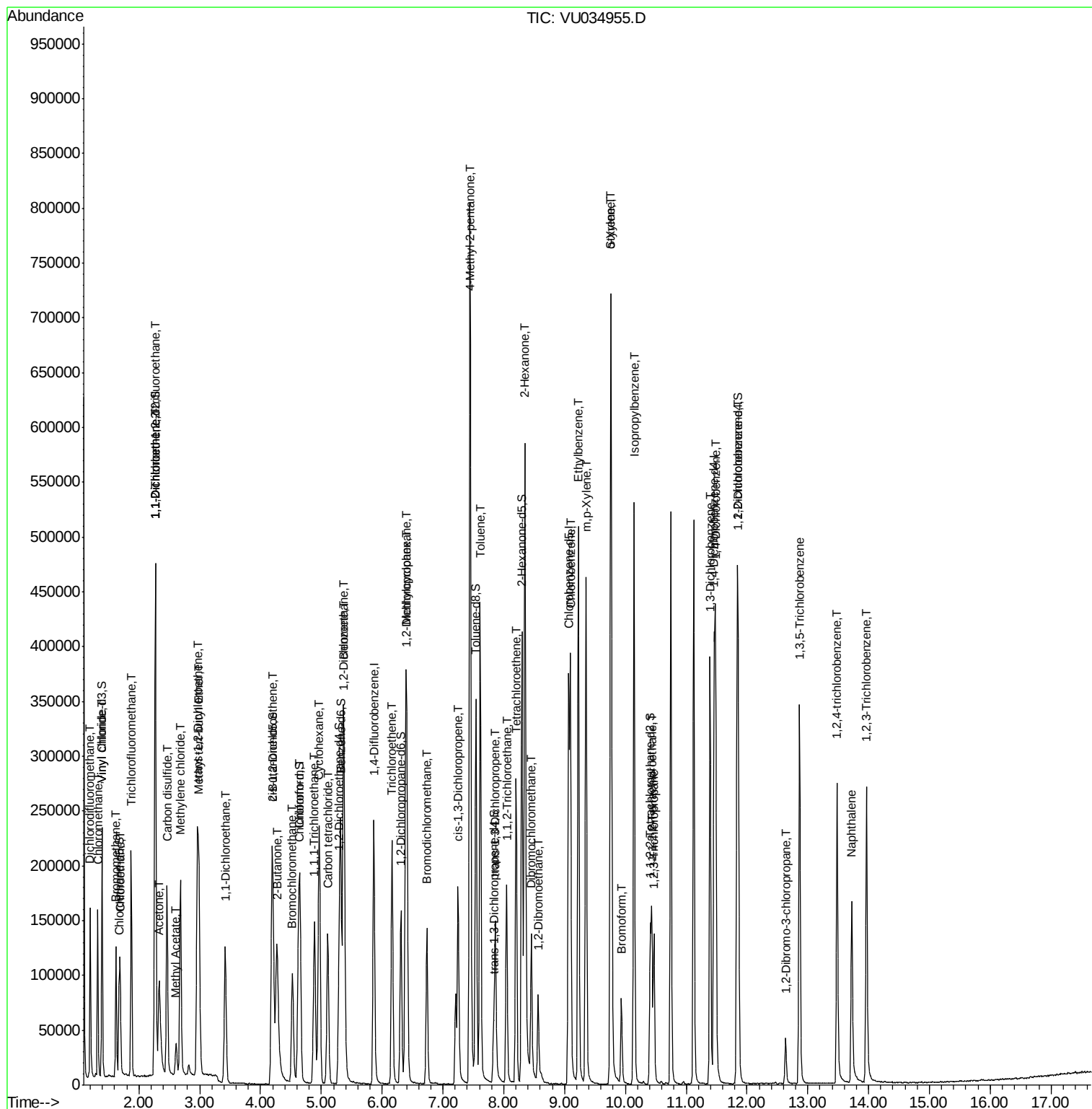
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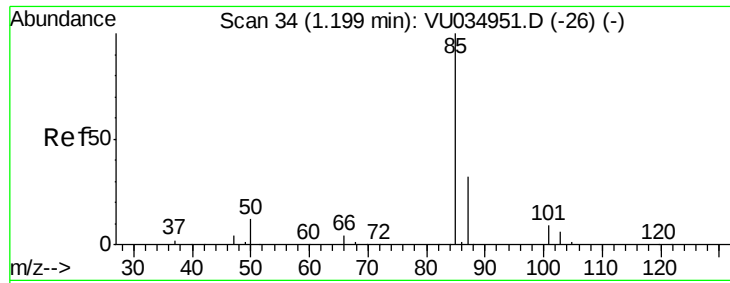
Data File : VU034955.D

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Acq On       : 07 Oct 2019   12:28
Operator    : JC/SP
Sample      : VSTDCCC005
Misc       : 25.0mL/MSV0A_U/WATER
ALS Vial    : 9      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Quant Time: Oct 09 02:58:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
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#2

Dichlorodifluoromethane

Concen: 4.997 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

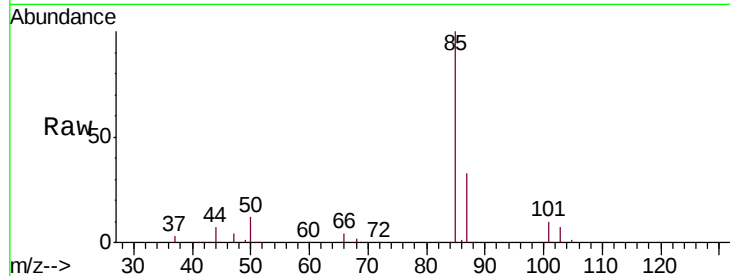
VSTD00528

Tgt Ion: 85 Resp: 92077

Ion Ratio Lower Upper

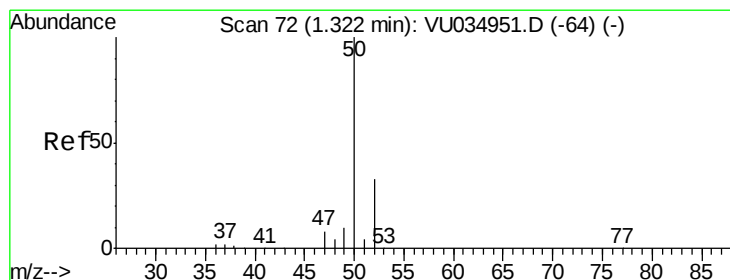
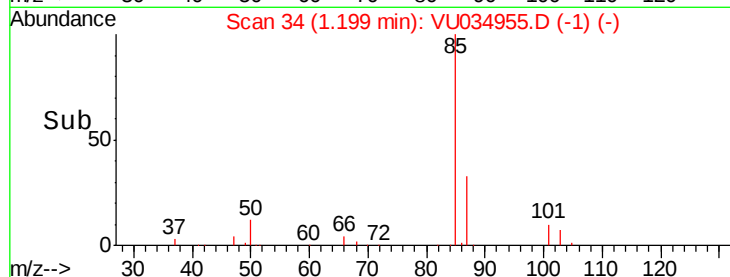
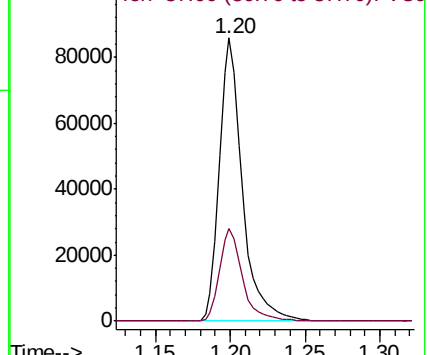
85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034955.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034955.D (-1) (-)



#3

Chloromethane

Concen: 4.983 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034955.D

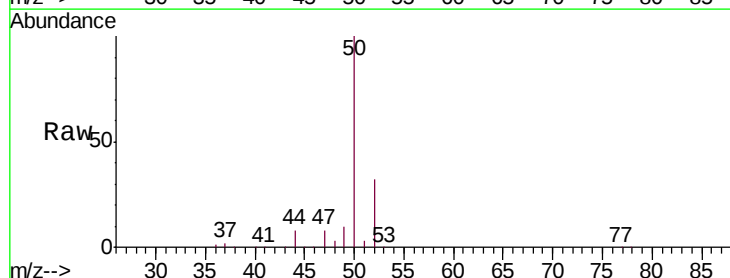
Acq: 07 Oct 2019 12:28

Tgt Ion: 50 Resp: 100727

Ion Ratio Lower Upper

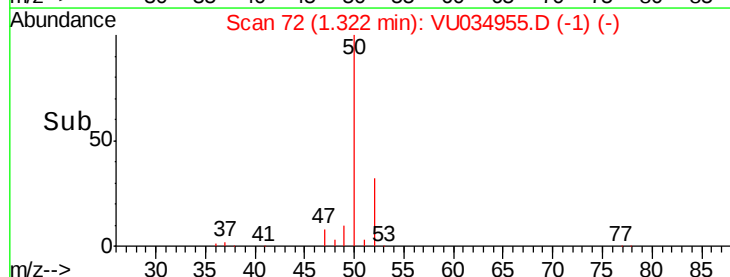
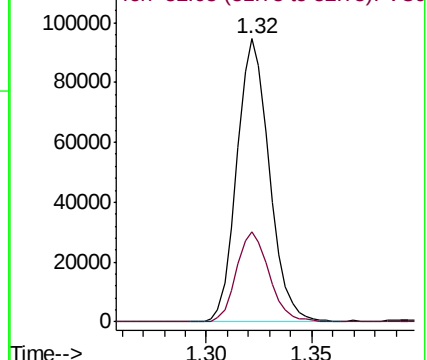
50 100

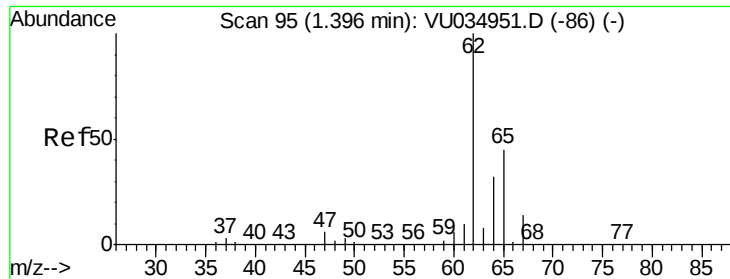
52 31.6 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU034955.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU034955.D (-1) (-)





#5

Vinyl chloride

Concen: 5.035 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

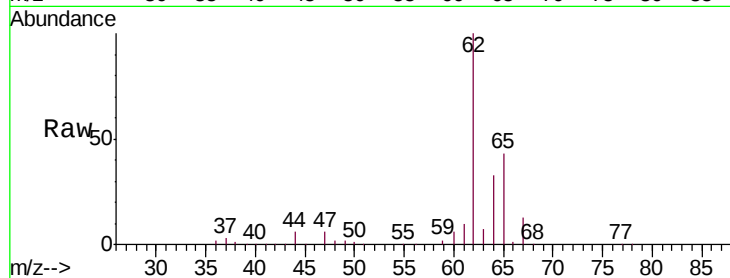
VSTD00528

Tgt Ion: 62 Resp: 99960

Ion Ratio Lower Upper

62 100

64 32.8 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

100000

80000

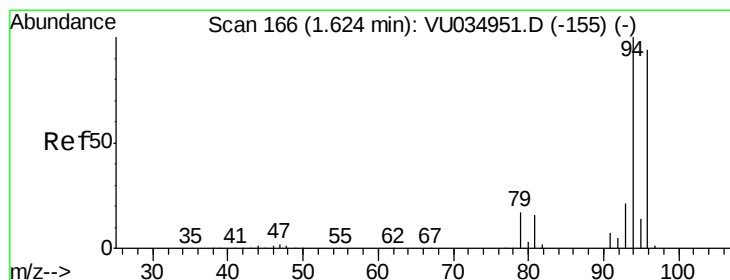
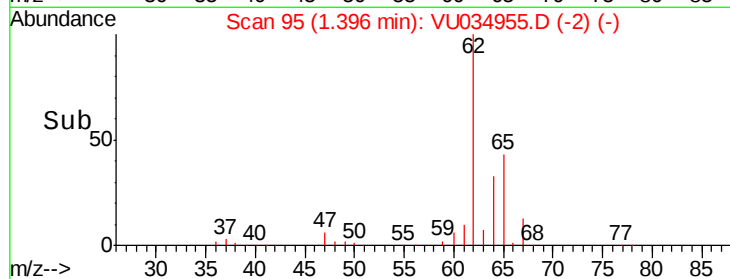
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 4.831 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU034955.D

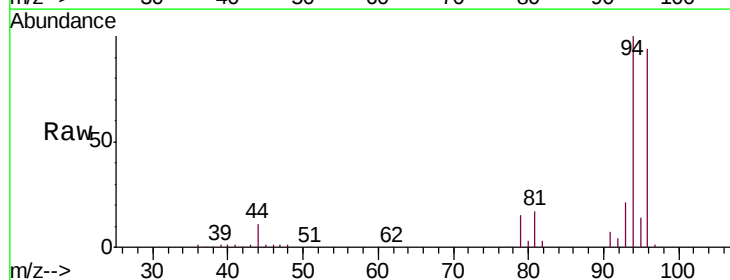
Acq: 07 Oct 2019 12:28

Tgt Ion: 94 Resp: 53321

Ion Ratio Lower Upper

94 100

96 94.0 65.6 121.8



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

50000

40000

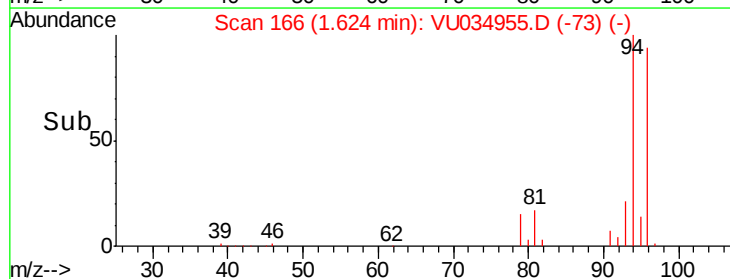
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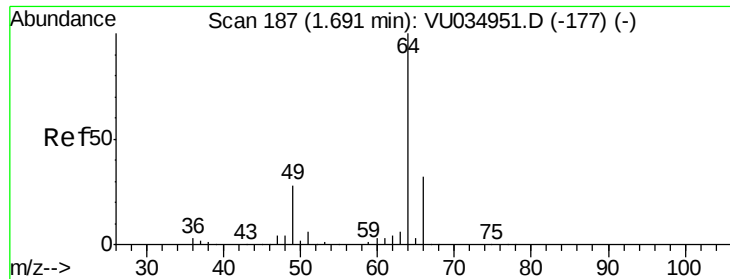
20000

10000

0

Time-->





#8

Chloroethane

Concen: 5.006 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

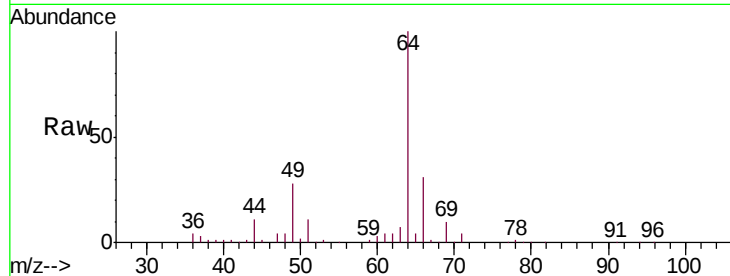
VSTD00528

Tgt Ion: 64 Resp: 59610

Ion Ratio Lower Upper

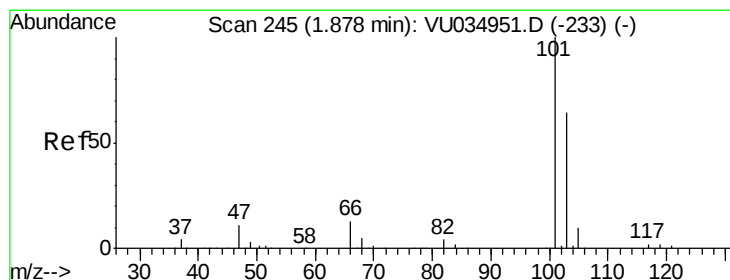
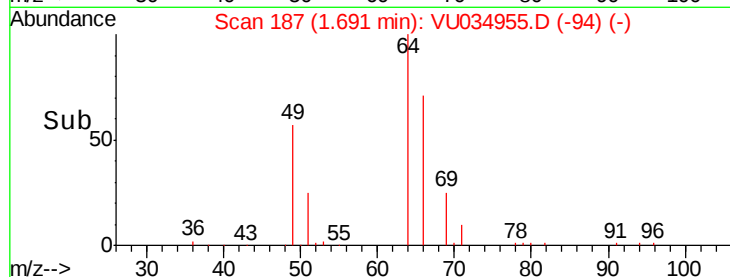
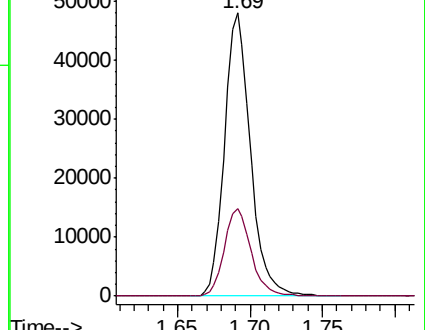
64 100

66 31.0 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VU034955.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034955.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.056 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034955.D

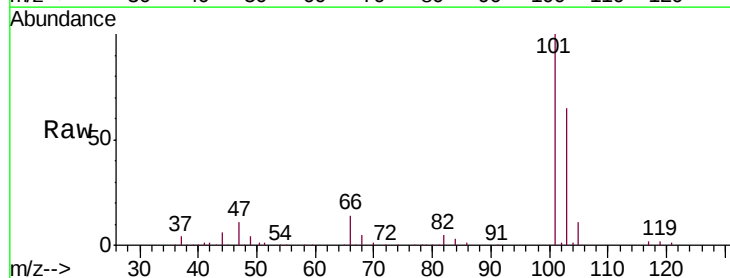
Acq: 07 Oct 2019 12:28

Tgt Ion: 101 Resp: 121402

Ion Ratio Lower Upper

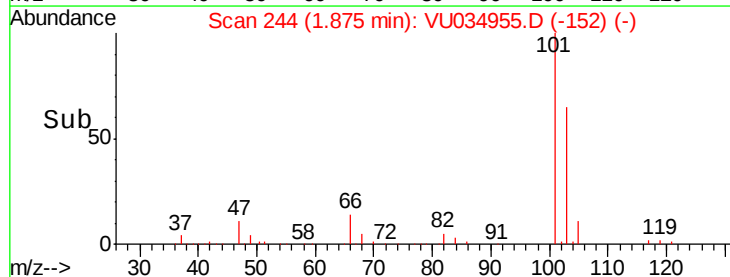
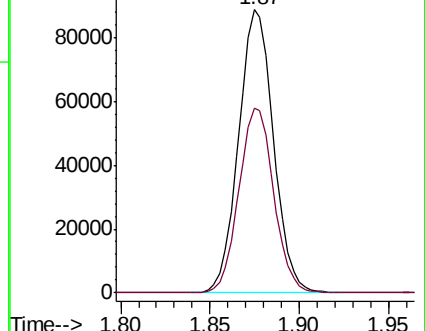
101 100

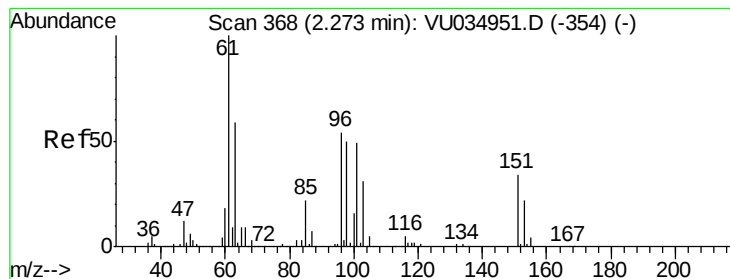
103 65.1 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): VU034955.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034955.D (-233) (-)





#10

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

Concen: 4.890 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

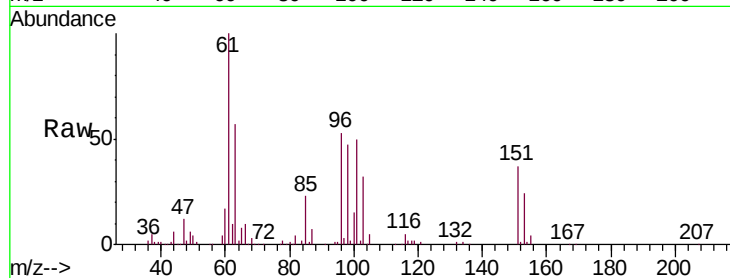
Tgt Ion:101 Resp: 67415

Ion Ratio Lower Upper

101 100

85 46.2 36.7 55.1

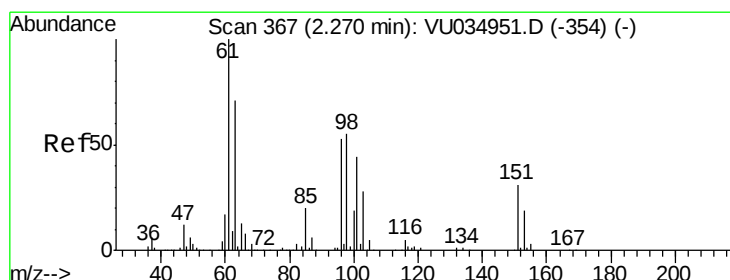
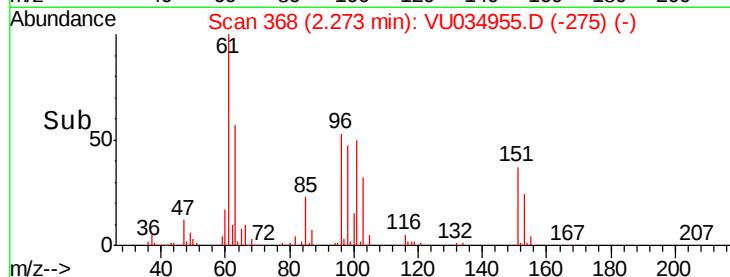
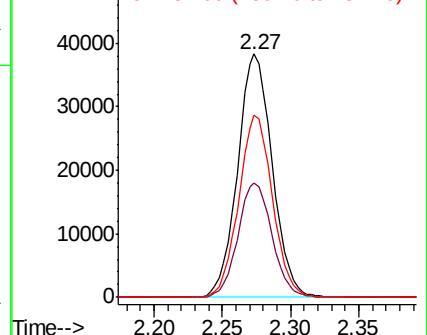
151 72.9 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.934 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

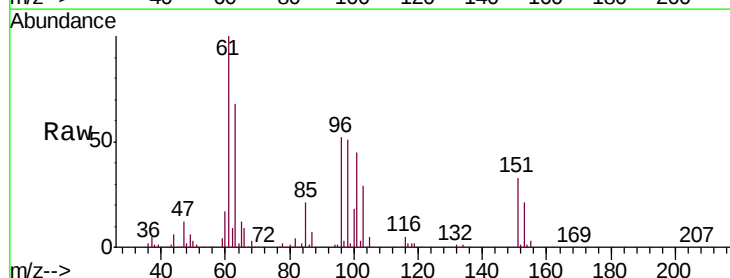
Tgt Ion: 96 Resp: 63902

Ion Ratio Lower Upper

96 100

61 191.7 132.6 246.2

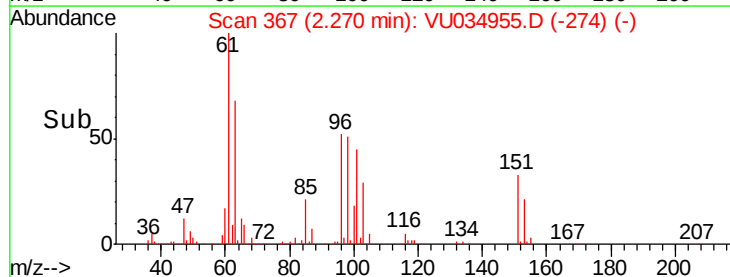
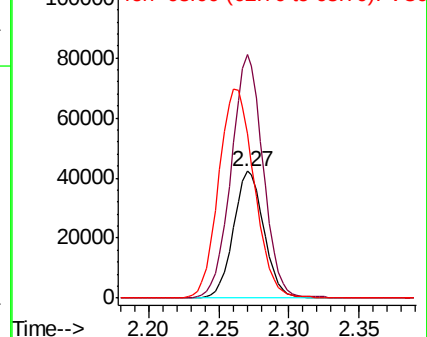
63 129.5 94.3 175.1

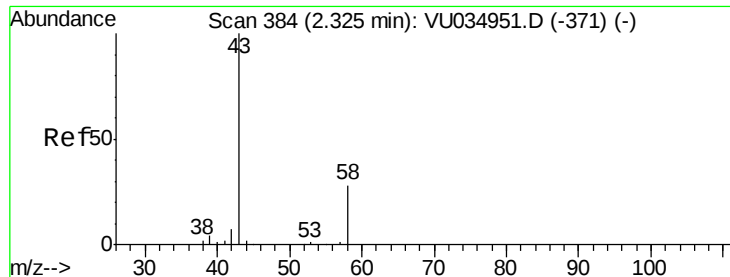


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.240 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

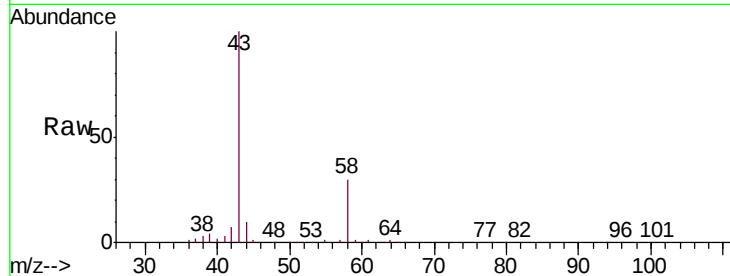
VSTD00528

Tgt Ion: 43 Resp: 155914

Ion Ratio Lower Upper

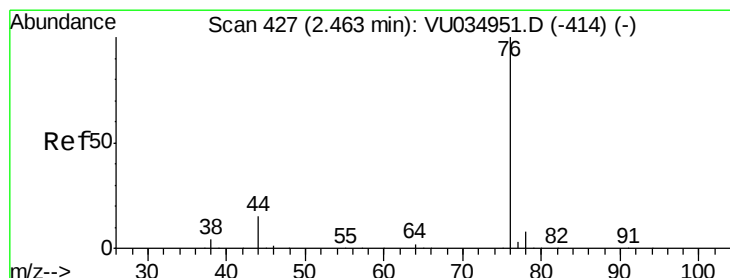
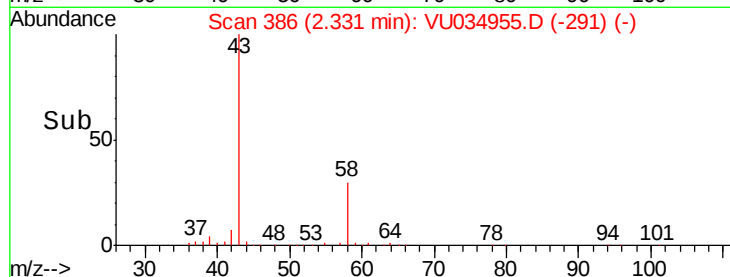
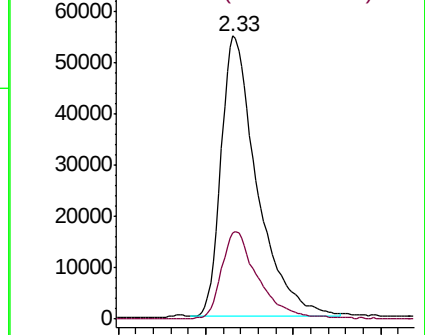
43 100

58 31.5 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.944 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034955.D

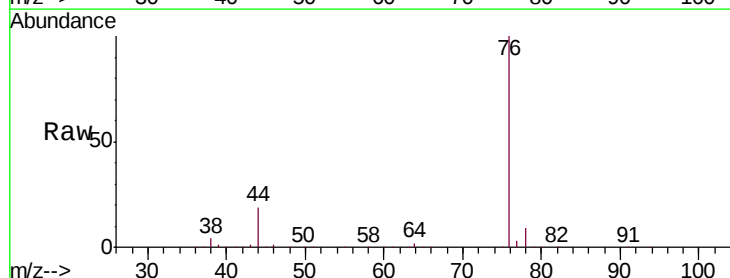
Acq: 07 Oct 2019 12:28

Tgt Ion: 76 Resp: 213060

Ion Ratio Lower Upper

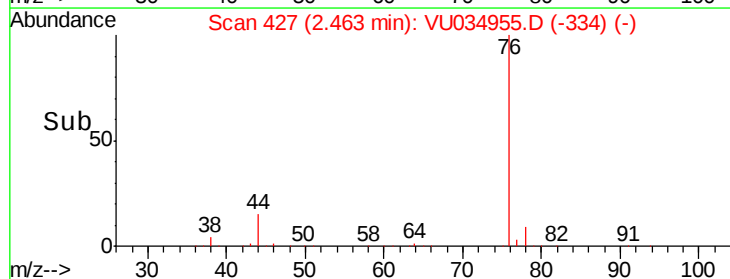
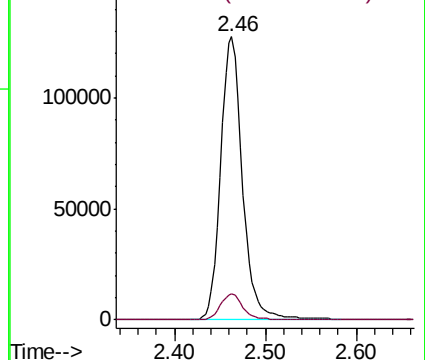
76 100

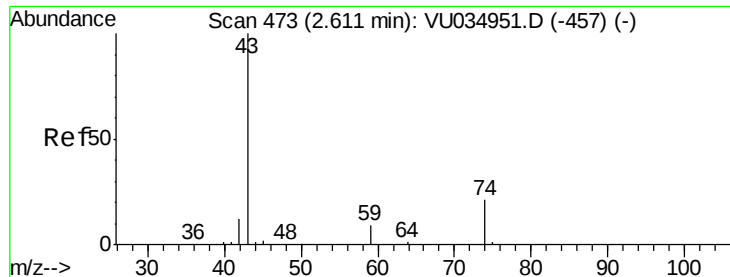
78 9.3 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 5.133 ug/L

RT: 2.61 min Scan# 473

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

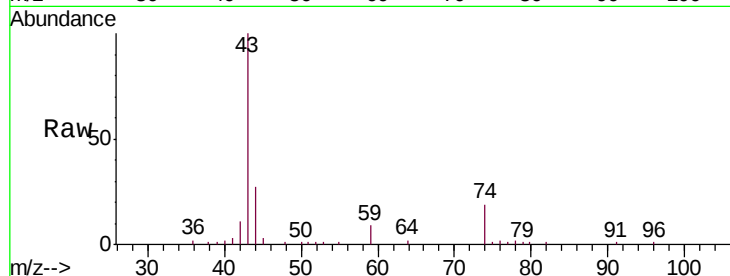
VSTD00528

Tgt Ion: 43 Resp: 39275

Ion Ratio Lower Upper

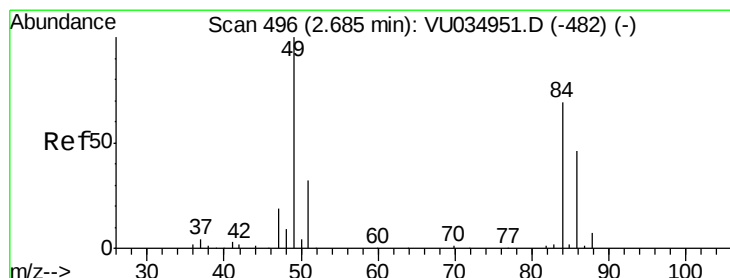
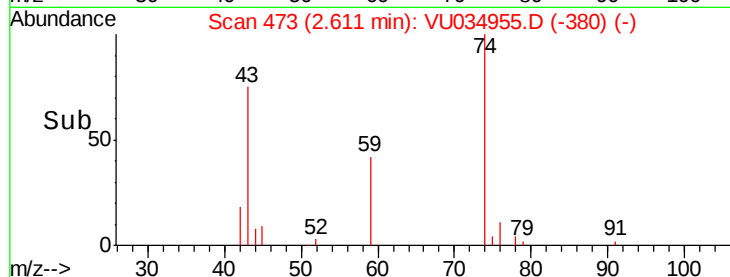
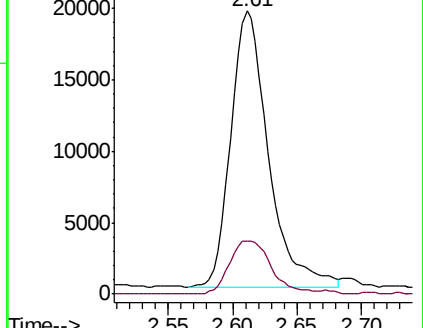
43 100

74 21.5 17.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU034955.D (-380) (-)

Ion 74.05 (73.75 to 74.75): VU034955.D (-380) (-)



#16

Methylene chloride

Concen: 4.608 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

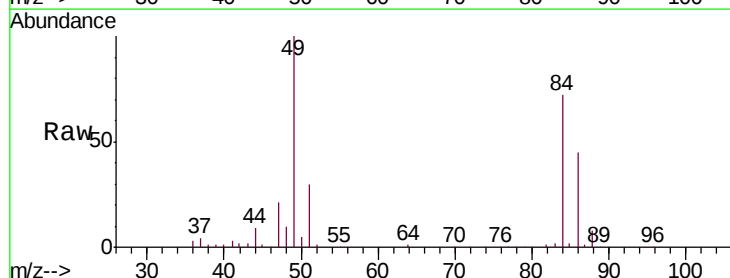
Tgt Ion: 84 Resp: 73883

Ion Ratio Lower Upper

84 100

86 62.6 46.3 86.1

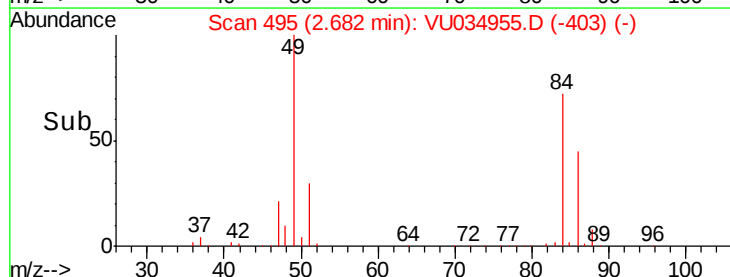
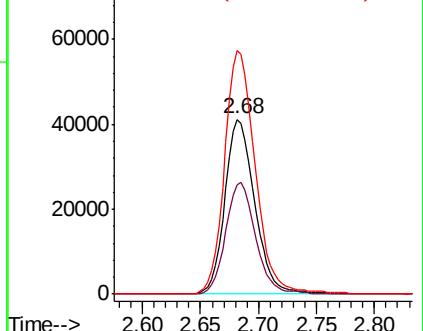
49 139.4 101.4 188.4

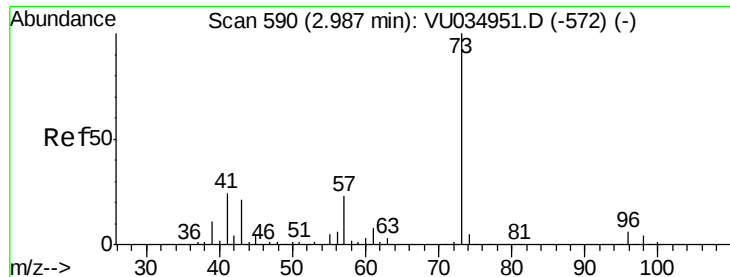


Abundance Ion 84.05 (83.75 to 84.75): VU034955.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034955.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU034955.D (-403) (-)

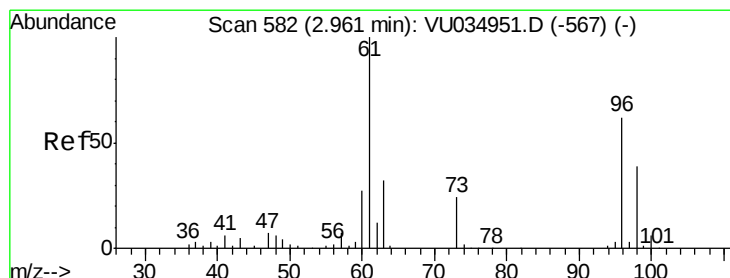
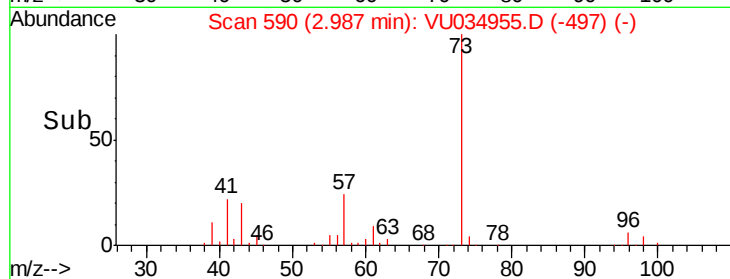
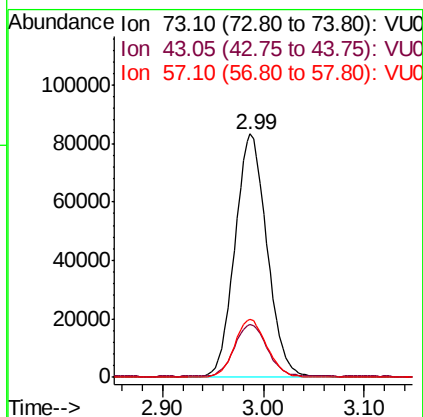
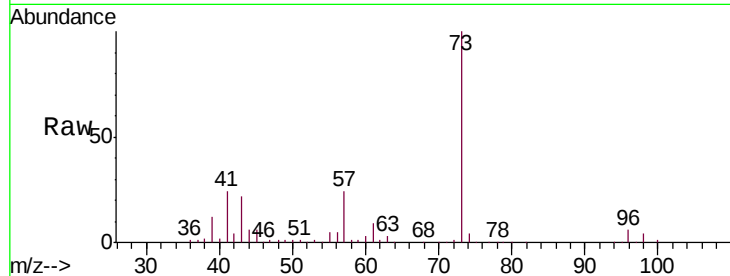




#17
Methyl tert-butyl Ether
Concen: 5.203 ug/L
RT: 2.99 min Scan# 590
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

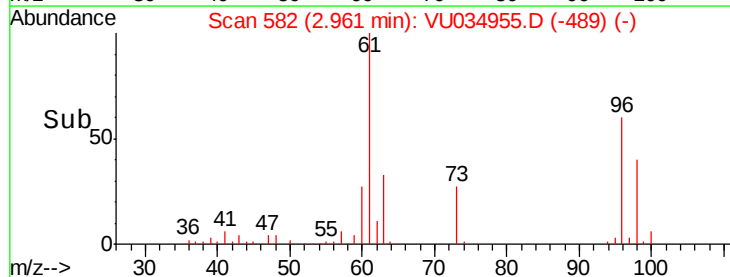
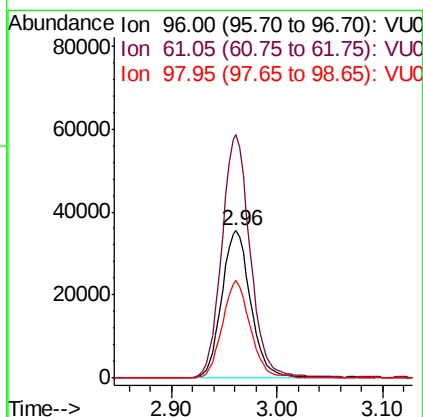
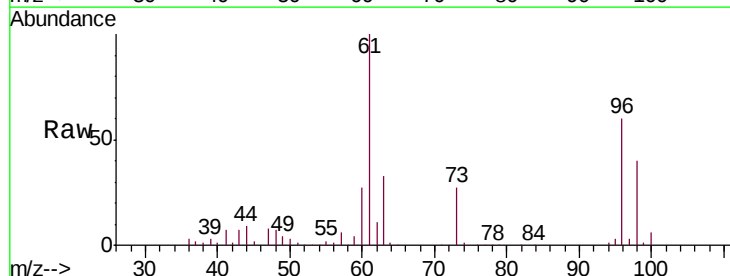
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

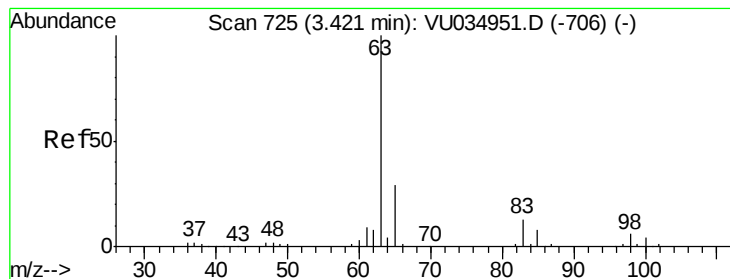
Tgt Ion: 73 Resp: 183825
Ion Ratio Lower Upper
73 100
43 21.6 17.4 26.0
57 24.1 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 4.896 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

Tgt Ion: 96 Resp: 67891
Ion Ratio Lower Upper
96 100
61 165.6 112.3 208.7
98 66.1 43.5 80.9





#19

1,1-Dichloroethane

Concen: 5.012 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

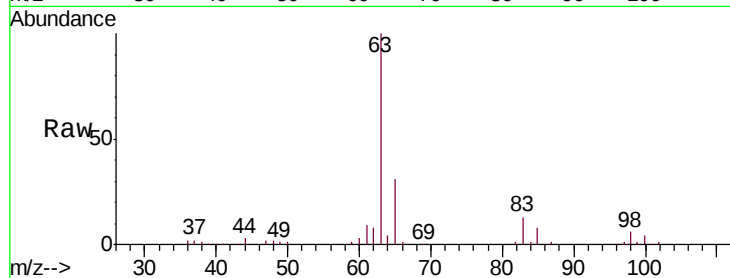
Tgt Ion: 63 Resp: 138143

Ion Ratio Lower Upper

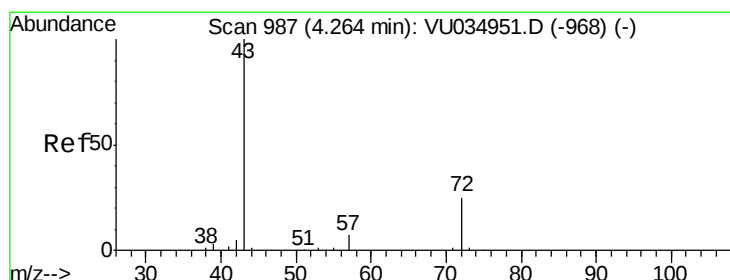
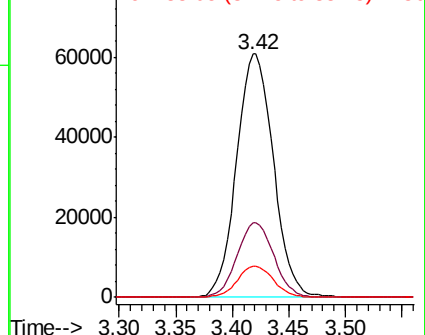
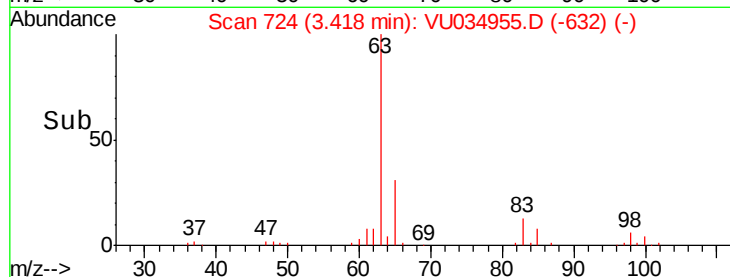
63 100

65 30.7 20.4 38.0

83 12.9 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU034955.D (-632) (-)



#21

2-Butanone

Concen: 58.543 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.01 min

Lab File: VU034955.D

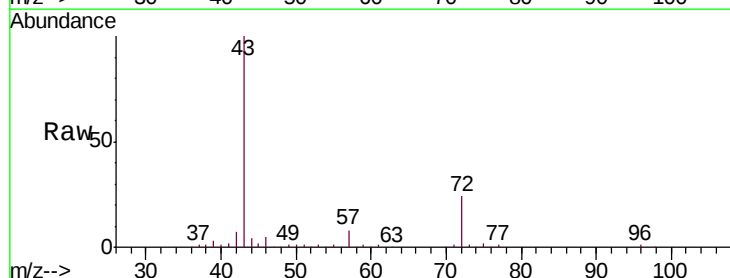
Acq: 07 Oct 2019 12:28

Tgt Ion: 43 Resp: 239647

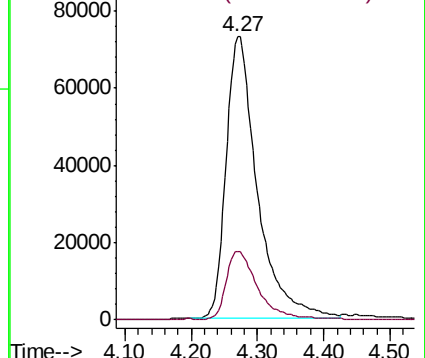
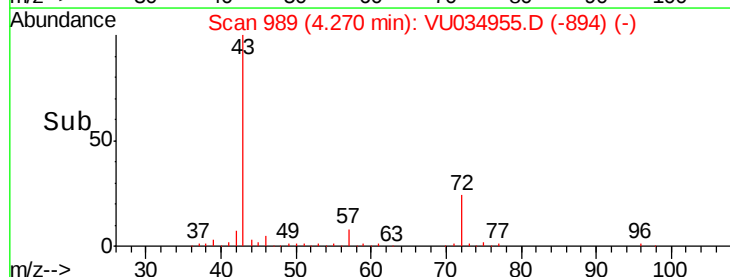
Ion Ratio Lower Upper

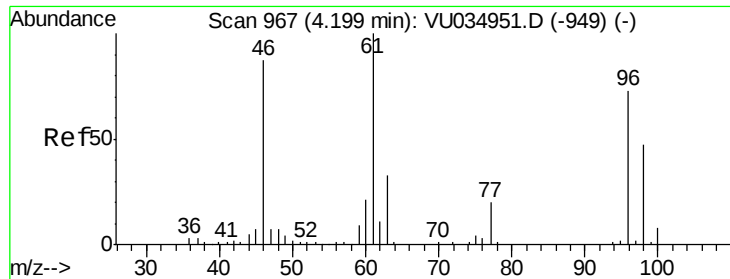
43 100

72 23.8 12.0 36.0



Abundance Ion 43.05 (42.75 to 43.75): VU034955.D (-894) (-)



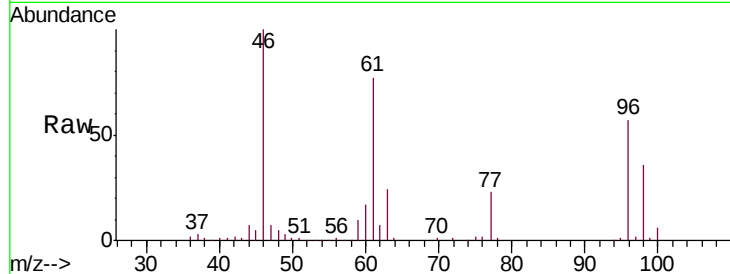


#22

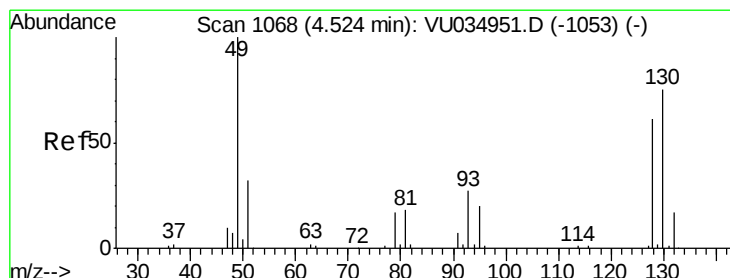
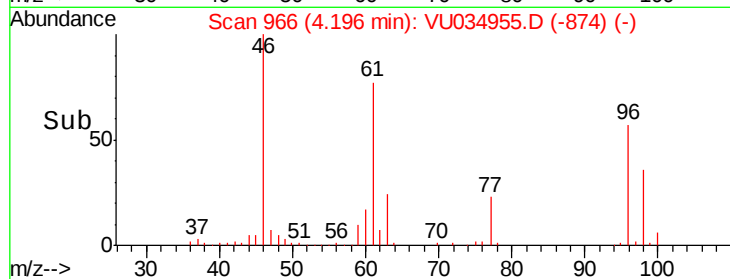
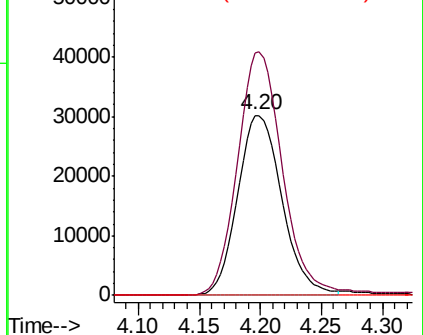
cis-1,2-Dichloroethene
 Concen: 4.923 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion: 96 Resp: 76148
 Ion Ratio Lower Upper
 96 100
 61 134.5 96.4 179.0
 68 0.0 0.0 0.0



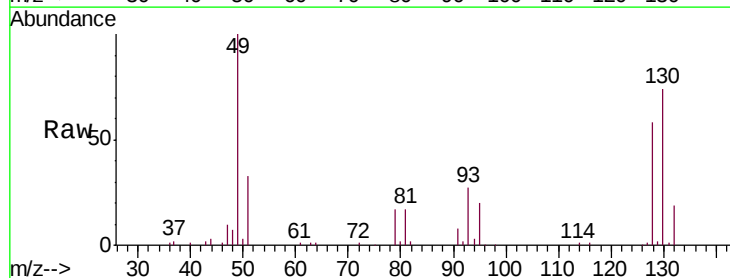
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



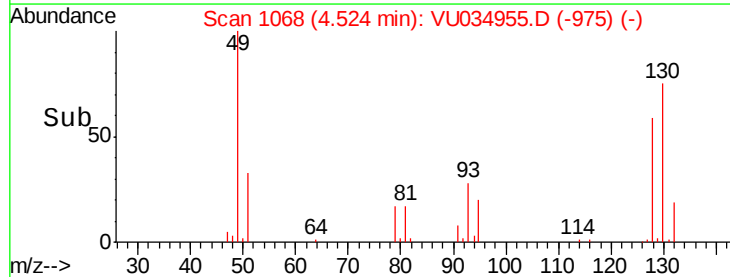
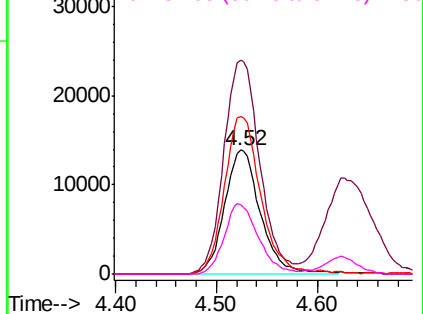
#23

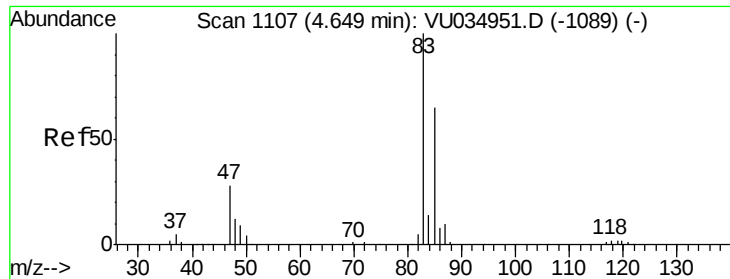
Bromochloromethane
 Concen: 5.311 ug/L
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Tgt Ion: 128 Resp: 34431
 Ion Ratio Lower Upper
 128 100
 49 172.3 116.0 215.4
 130 127.3 86.4 160.4
 51 56.3 41.6 62.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

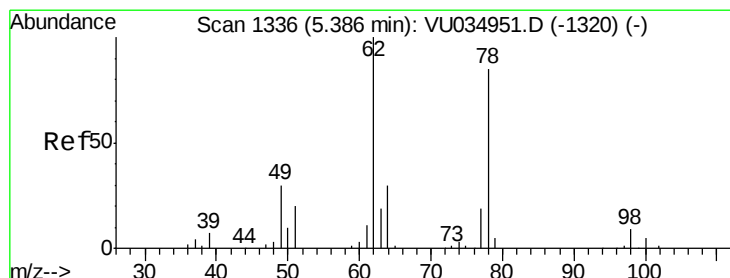
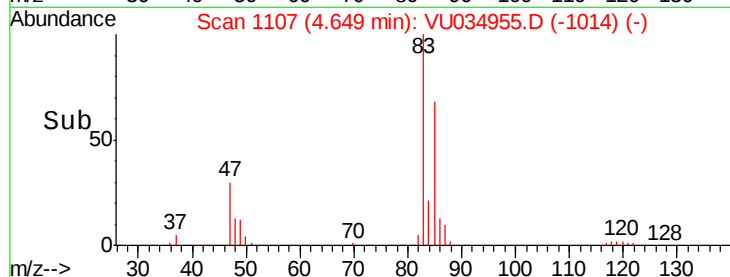
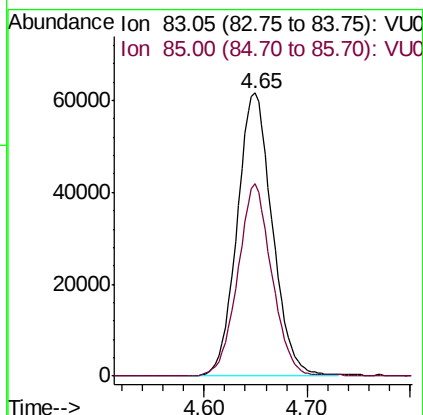
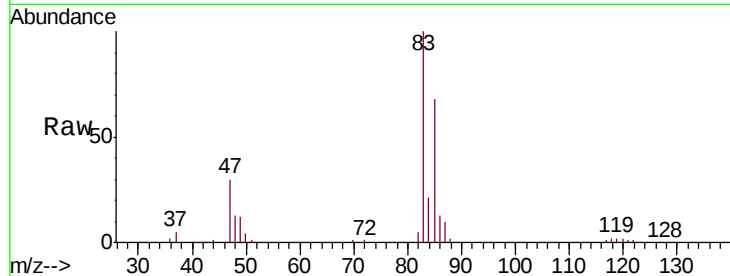




#25
Chloroform
Concen: 4.727 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

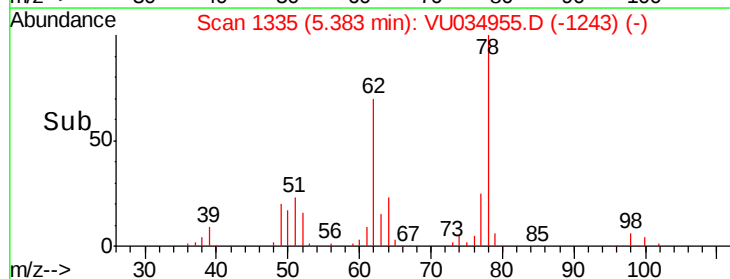
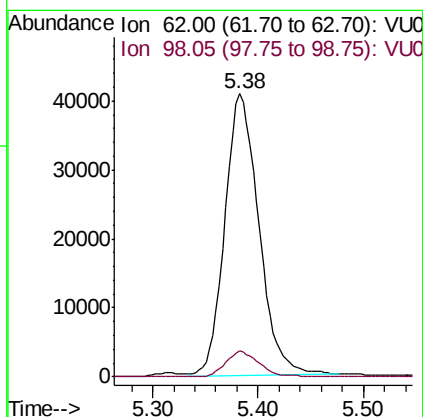
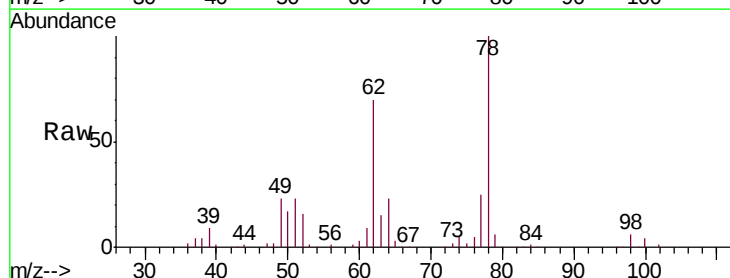
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

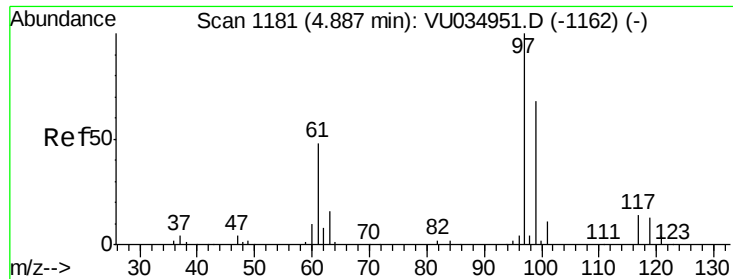
Tgt Ion: 83 Resp: 146367
Ion Ratio Lower Upper
83 100
85 67.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 5.051 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

Tgt Ion: 62 Resp: 91347
Ion Ratio Lower Upper
62 100
98 9.1 6.8 10.2

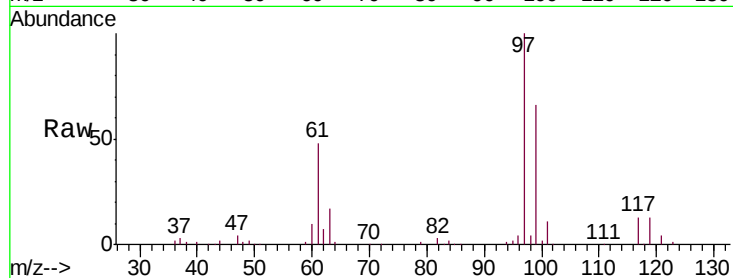




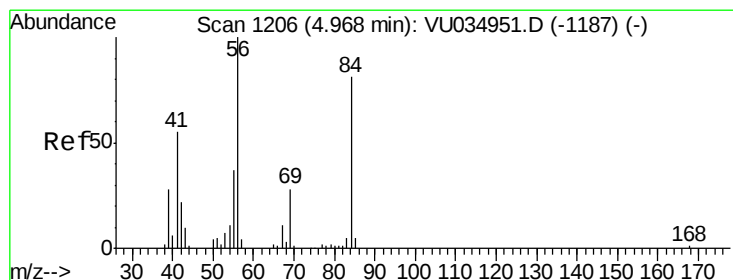
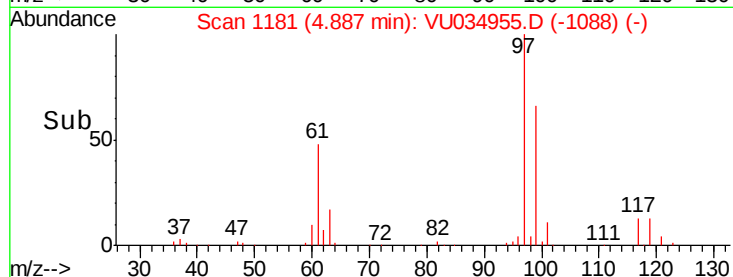
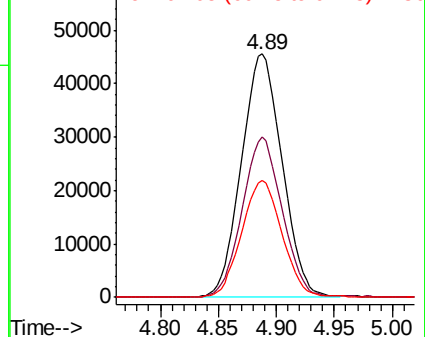
#29
 1,1,1-Trichloroethane
 Concen: 4.997 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion: 97 Resp: 111586
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.3 78.5
 61 47.7 39.0 58.4

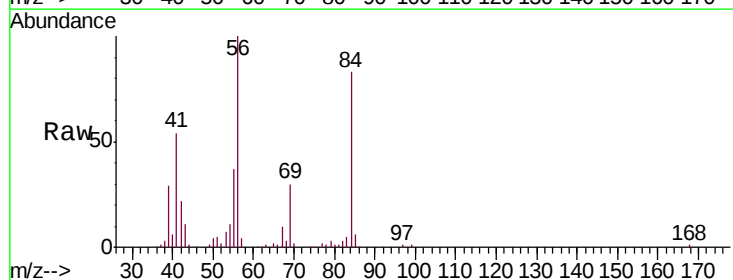


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

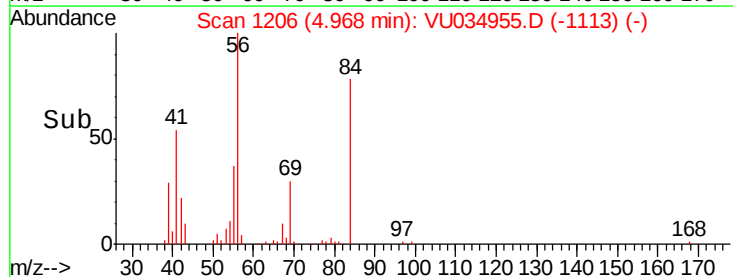
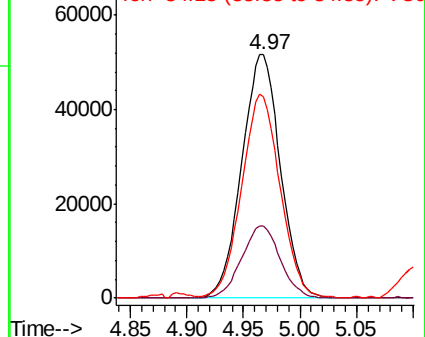


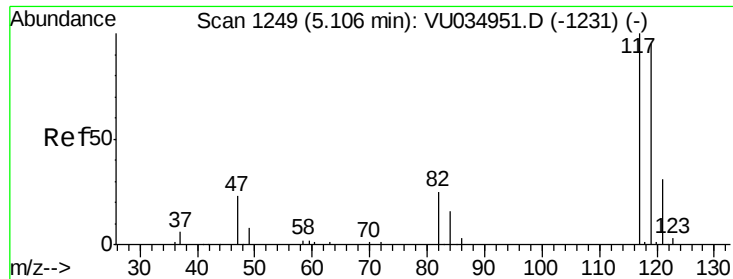
#30
 Cyclohexane
 Concen: 4.992 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Tgt Ion: 56 Resp: 122579
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.4 35.0
 84 82.8 66.2 99.2



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.108 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

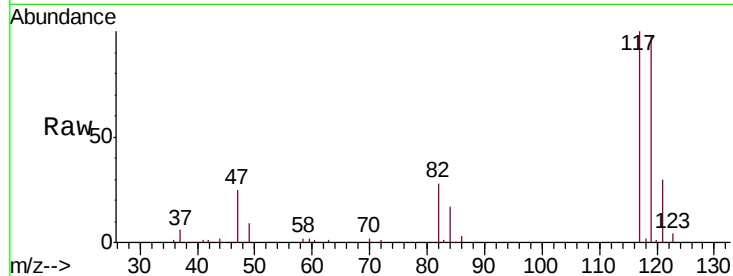
VSTD00528

Tgt Ion:117 Resp: 98917

Ion Ratio Lower Upper

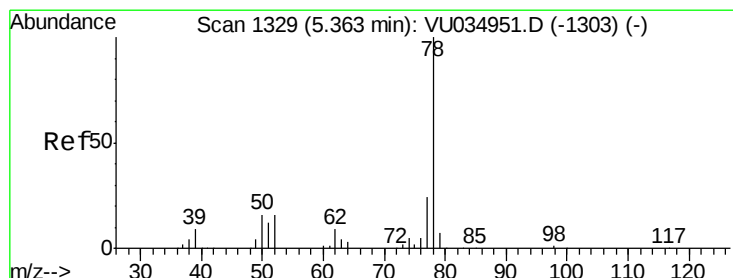
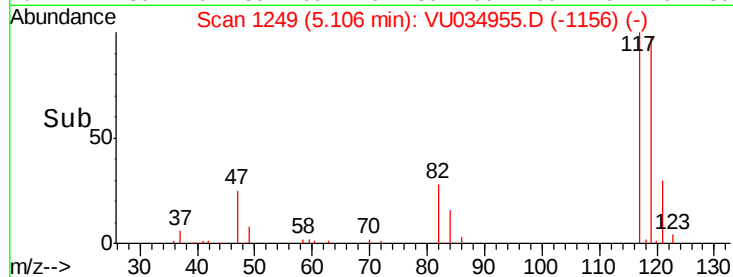
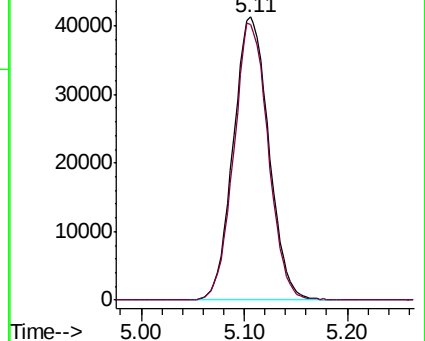
117 100

119 94.9 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.994 ug/L

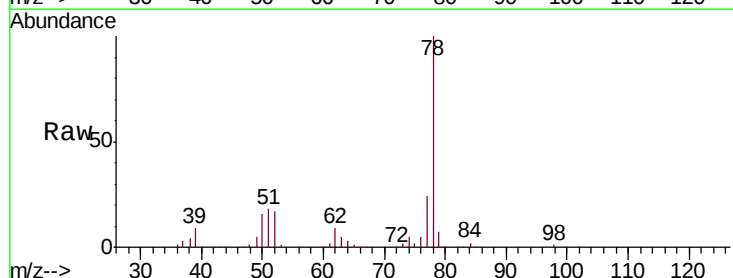
RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

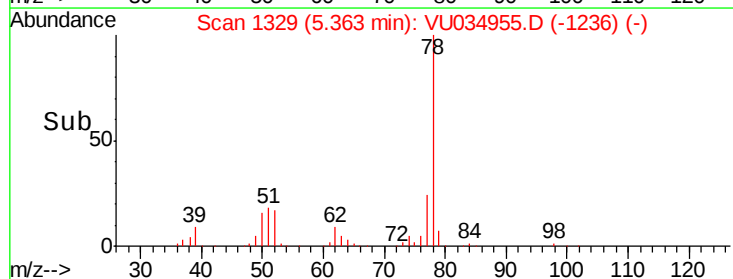
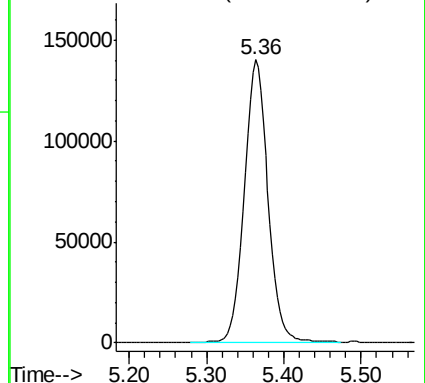
Lab File: VU034955.D

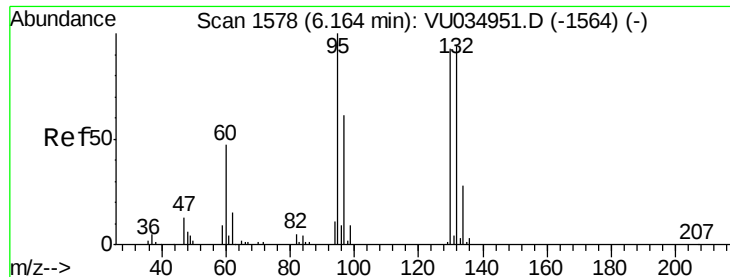
Acq: 07 Oct 2019 12:28

Tgt Ion: 78 Resp: 299120



Abundance Ion 78.10 (77.80 to 78.80): VU0

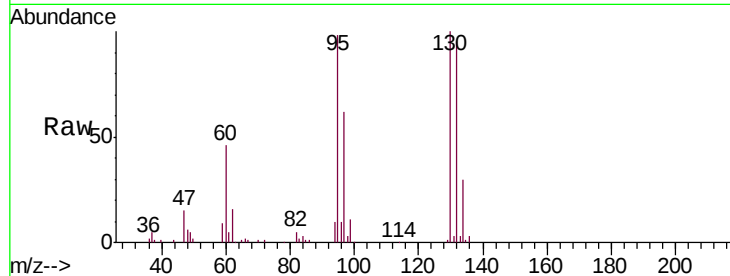




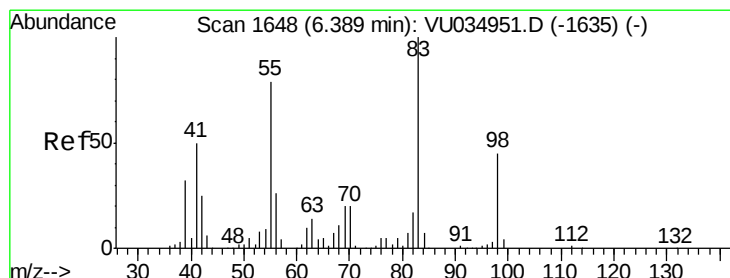
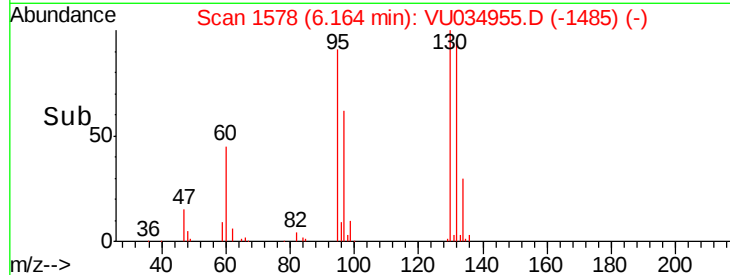
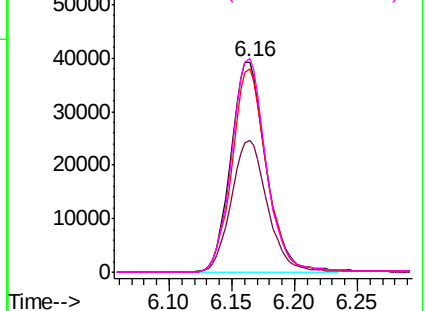
#34
 Trichloroethene
 Concen: 4.976 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion: 95 Resp: 76858
 Ion Ratio Lower Upper
 95 100
 97 63.0 42.5 78.9
 132 96.5 65.8 122.2
 130 101.6 65.0 120.8

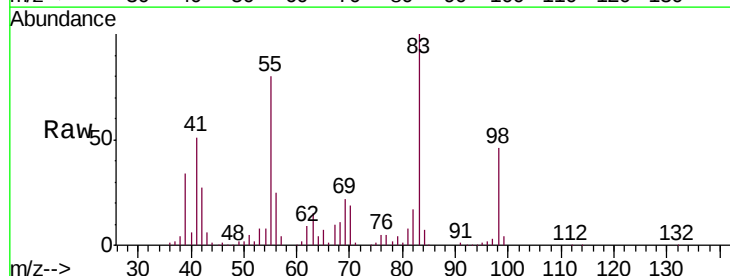


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

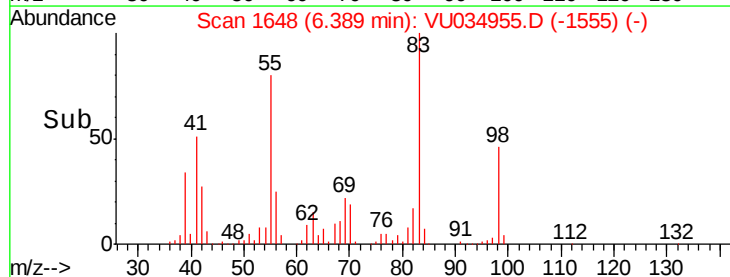
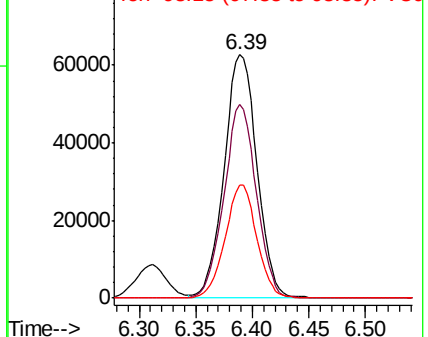


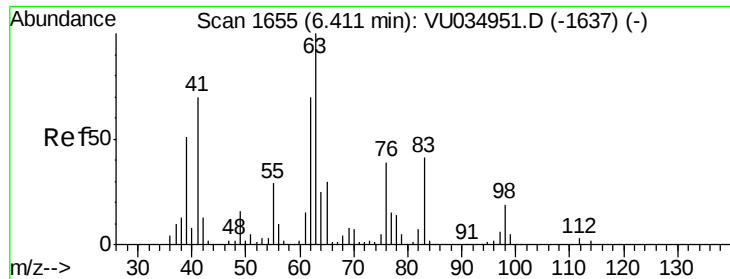
#35
 Methylcyclohexane
 Concen: 5.081 ug/L
 RT: 6.39 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Tgt Ion: 83 Resp: 127113
 Ion Ratio Lower Upper
 83 100
 55 78.3 62.4 93.6
 98 44.6 35.5 53.3



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

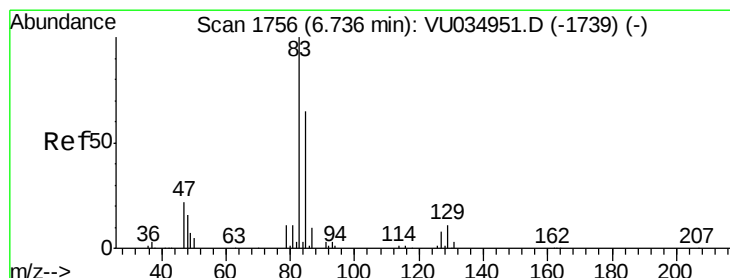
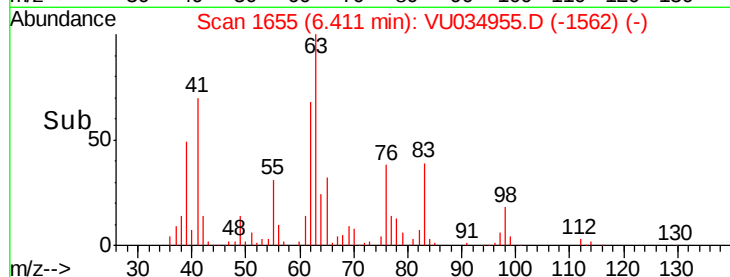
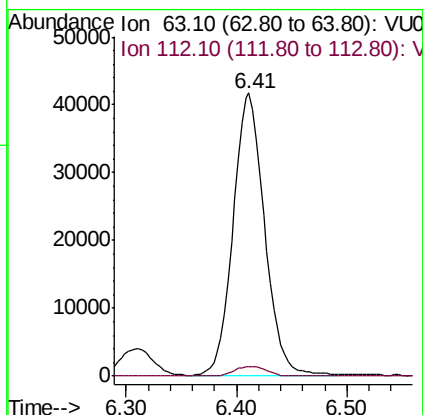
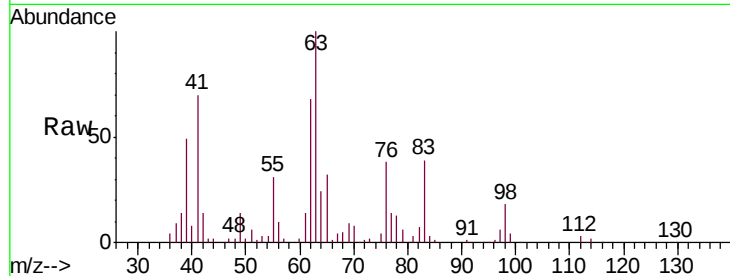




#37
 1,2-Dichloropropane
 Concen: 5.066 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

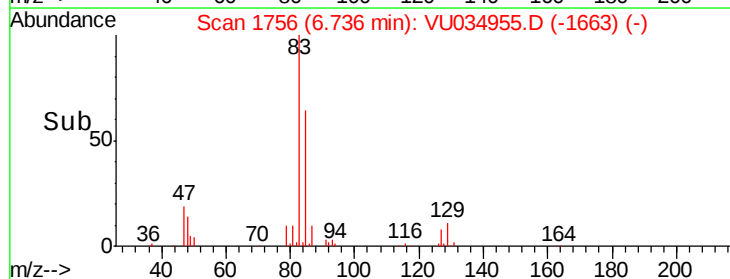
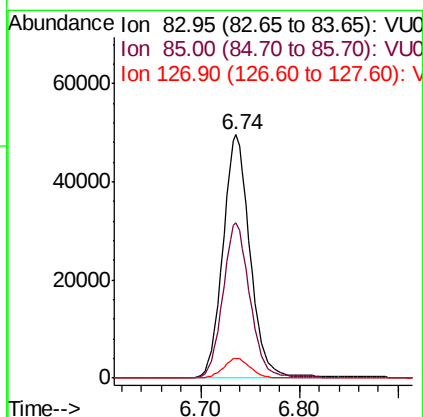
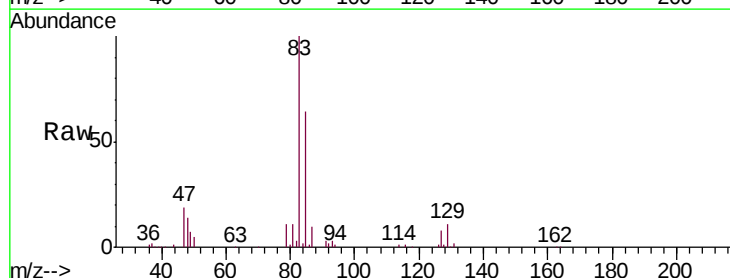
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

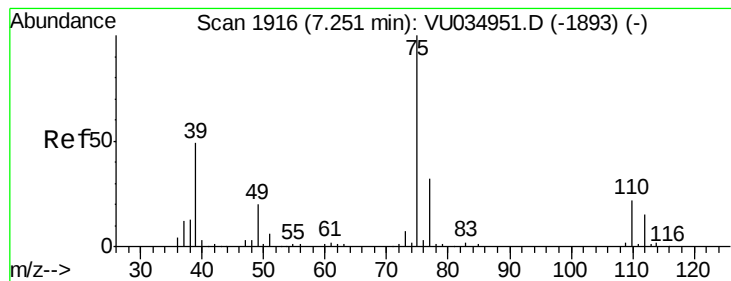
Tgt Ion: 63 Resp: 81851
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.066 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Tgt Ion: 83 Resp: 95942
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.3 84.1
 127 8.2 6.6 10.0



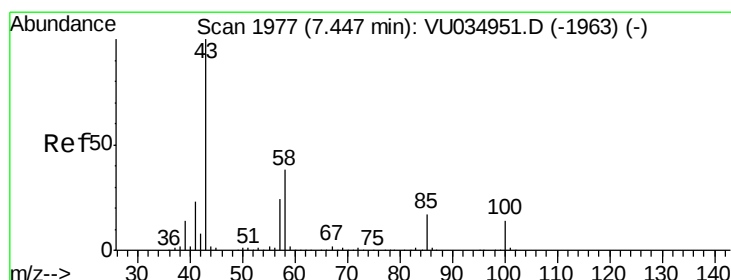
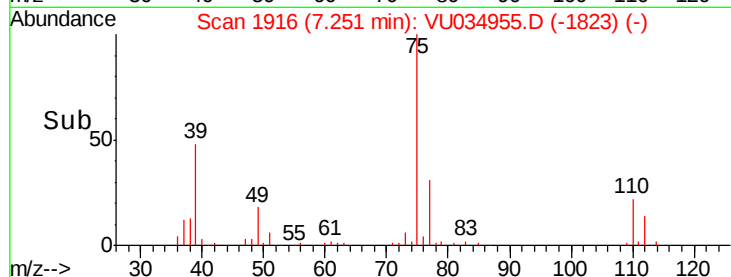
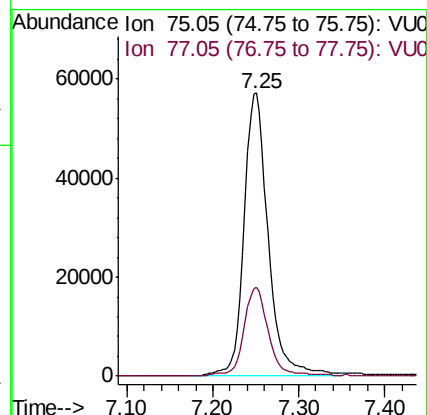
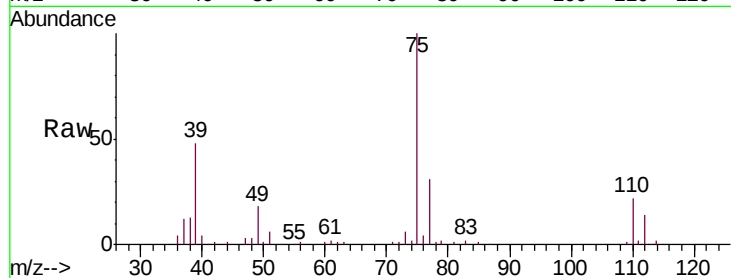


#39

cis-1,3-Dichloropropene
 Concen: 5.140 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

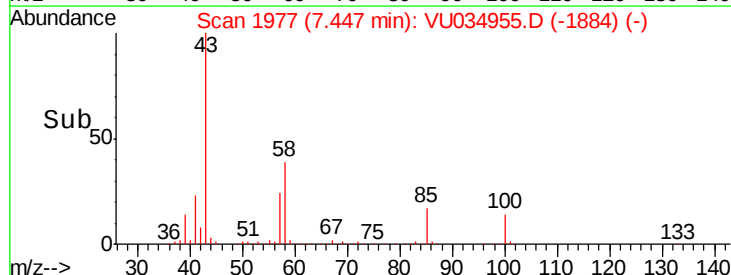
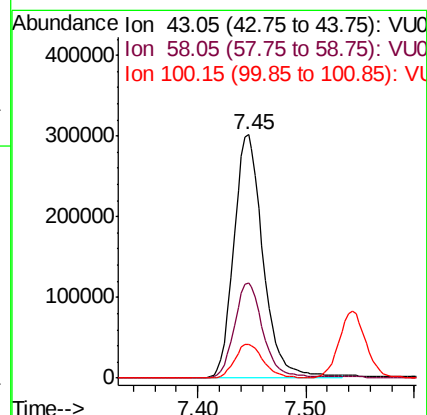
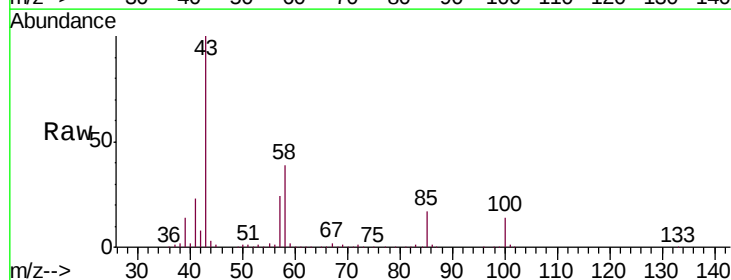
Tgt Ion: 75 Resp: 112503
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.5

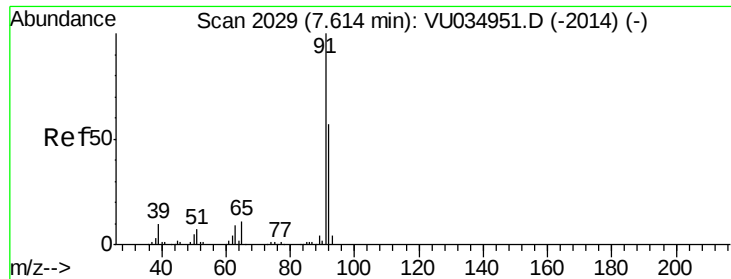


#40

4-Methyl-2-pentanone
 Concen: 56.161 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Tgt Ion: 43 Resp: 571067
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.1 46.7
 100 13.9 11.0 16.4





#42

Toluene

Concen: 5.159 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

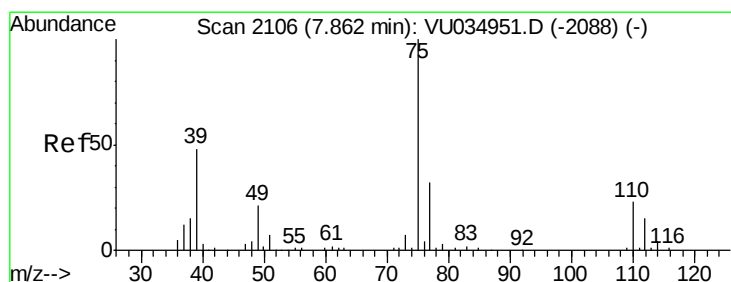
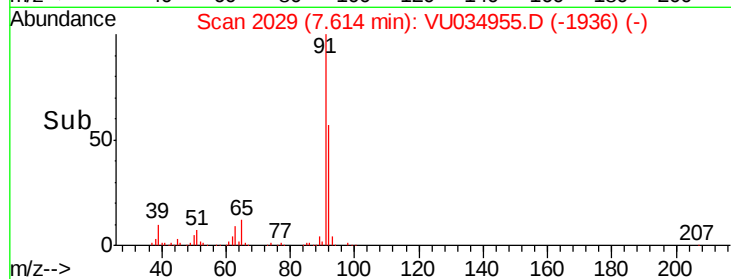
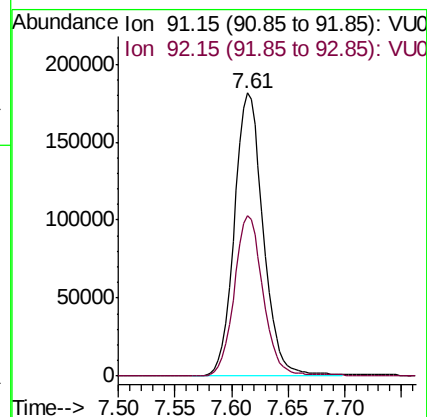
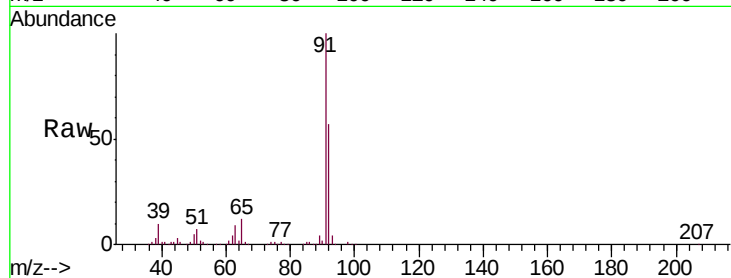
VSTD00528

Tgt Ion: 91 Resp: 322547

Ion Ratio Lower Upper

91 100

92 56.8 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.317 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034955.D

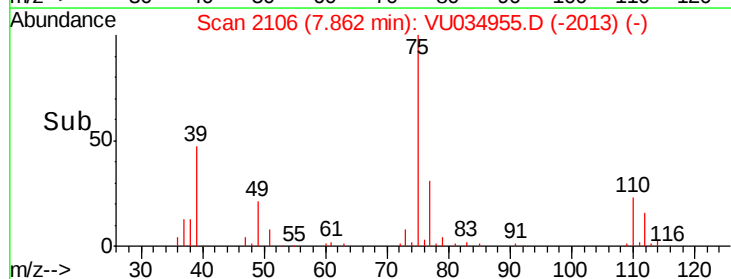
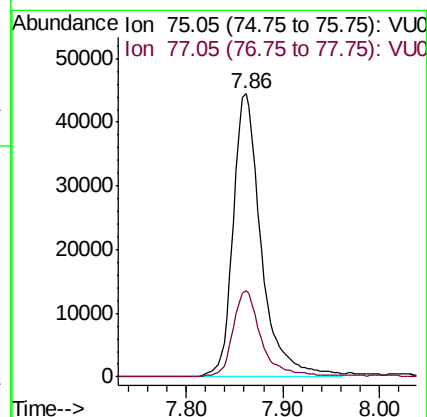
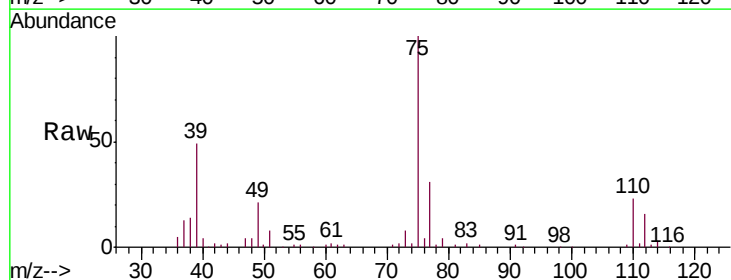
Acq: 07 Oct 2019 12:28

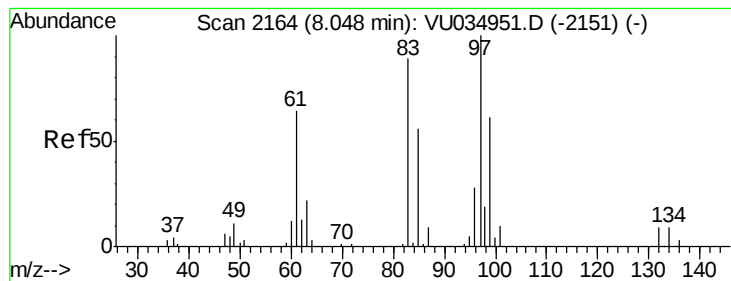
Tgt Ion: 75 Resp: 90137

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 5.348 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tgt Ion: 97 Resp: 57363

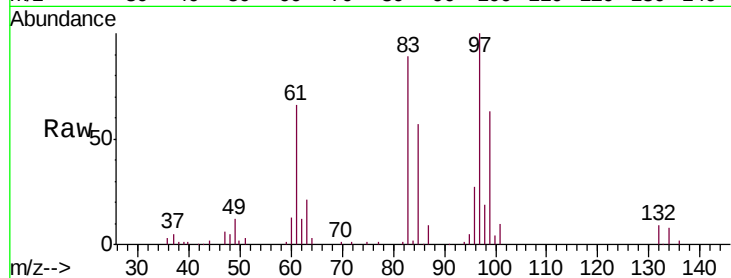
Ion Ratio Lower Upper

97 100

99 63.0 42.8 79.6

83 88.8 62.2 115.6

85 56.8 39.1 72.5

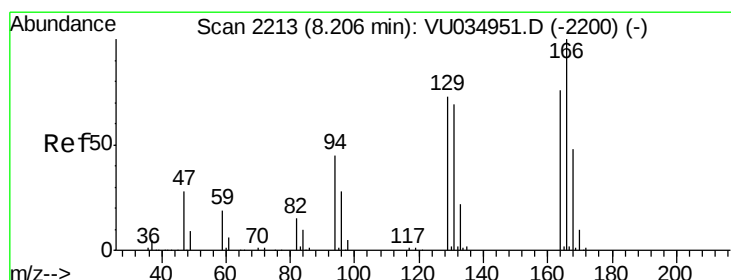
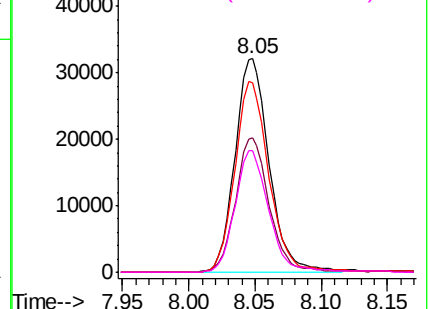
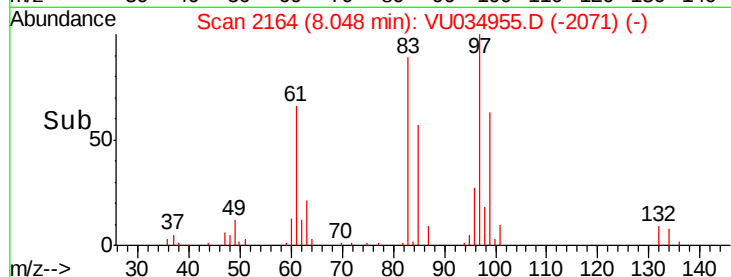


Abundance Ion 96.95 (96.65 to 97.65): VU034955.D (-2164) (-)

Ion 99.05 (98.75 to 99.75): VU034955.D (-2164) (-)

Ion 82.95 (82.65 to 83.65): VU034955.D (-2164) (-)

Ion 85.00 (84.70 to 85.70): VU034955.D (-2164) (-)



#47

Tetrachloroethene

Concen: 4.931 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Tgt Ion: 164 Resp: 61655

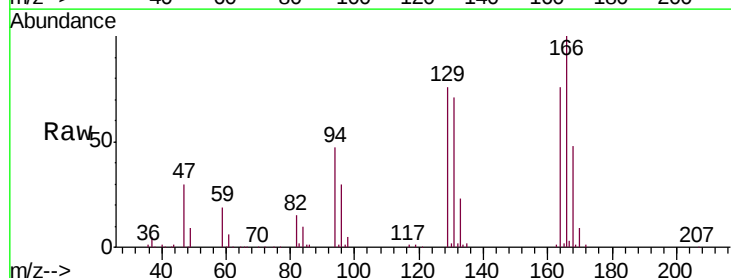
Ion Ratio Lower Upper

164 100

129 99.0 66.5 123.5

131 93.5 63.3 117.7

166 131.1 91.6 170.2

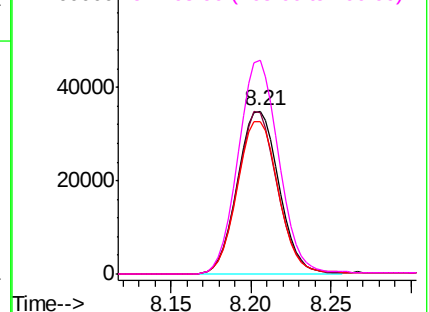
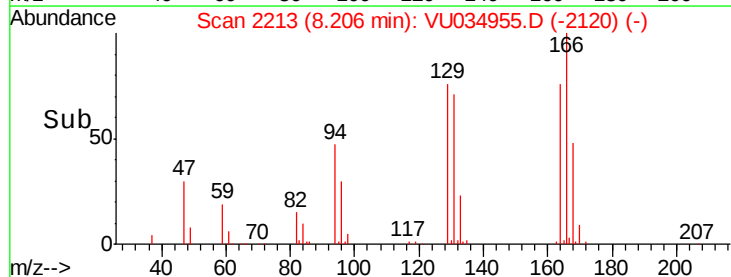


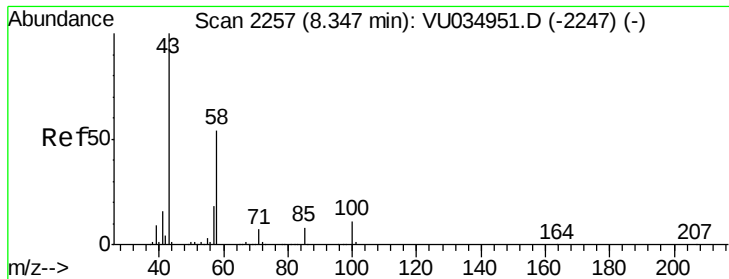
Abundance Ion 163.90 (163.60 to 164.60): VU034955.D (-2213) (-)

Ion 128.95 (128.65 to 129.65): VU034955.D (-2213) (-)

Ion 130.95 (130.65 to 131.65): VU034955.D (-2213) (-)

Ion 165.90 (165.60 to 166.60): VU034955.D (-2213) (-)

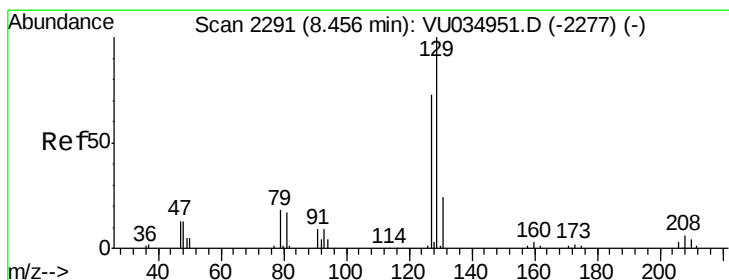
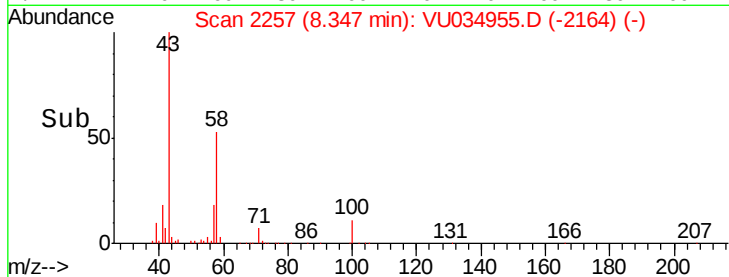
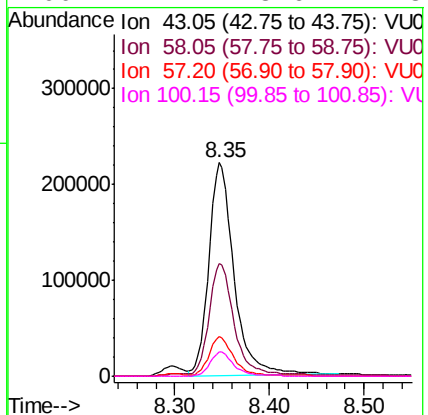
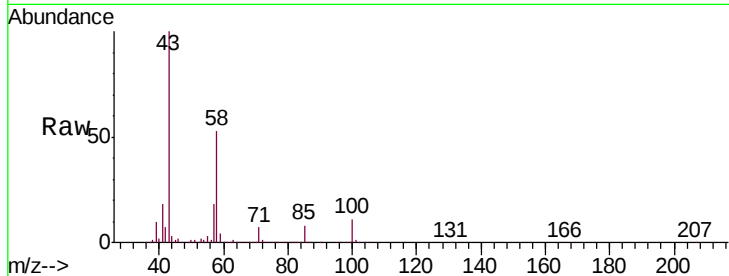




#48
2-Hexanone
Concen: 58.903 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

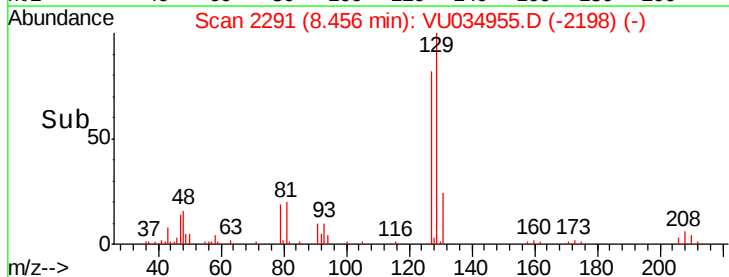
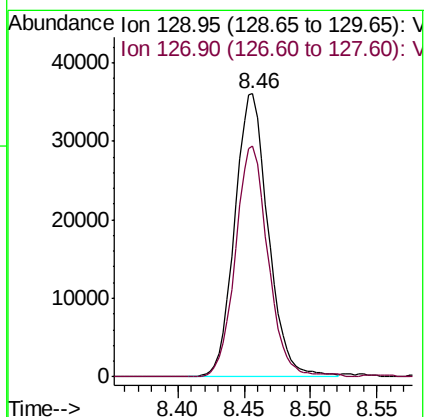
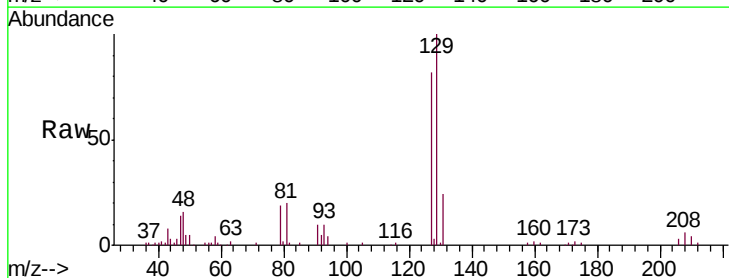
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

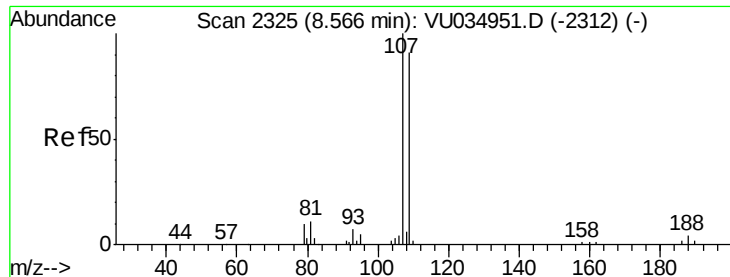
Tgt Ion:	43	Resp:	410660
Ion	Ratio	Lower	Upper
43	100		
58	52.8	43.3	64.9
57	17.5	14.5	21.7
100	11.2	8.6	12.8



#49
Dibromochloromethane
Concen: 5.103 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

Tgt Ion:	129	Resp:	63277
Ion	Ratio	Lower	Upper
129	100		
127	81.5	51.2	95.0

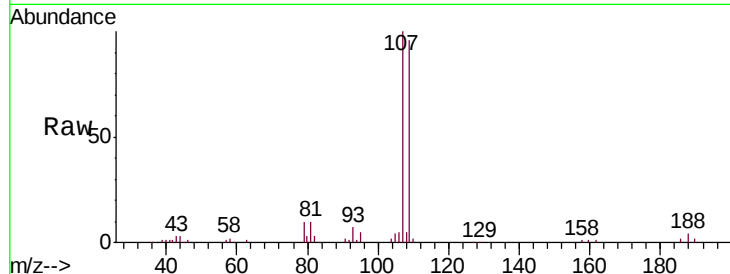




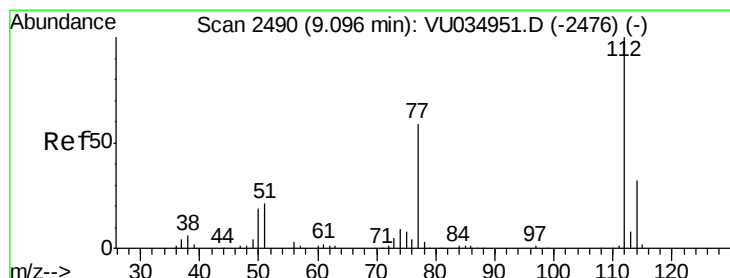
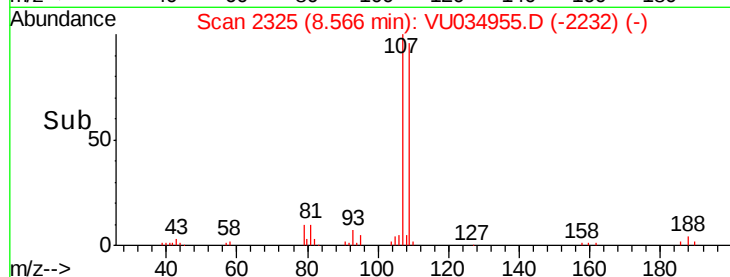
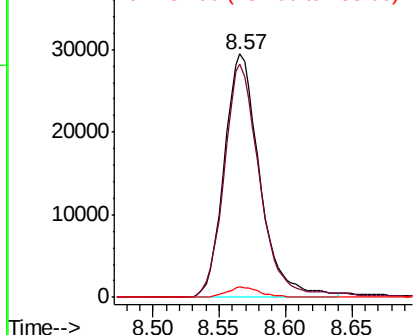
#50
1,2-Dibromoethane
Concen: 5.363 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tgt Ion:107 Resp: 54985
Ion Ratio Lower Upper
107 100
109 95.7 64.0 119.0
188 4.2 3.5 5.3

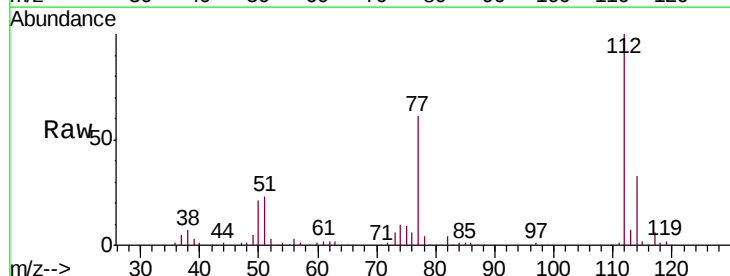


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

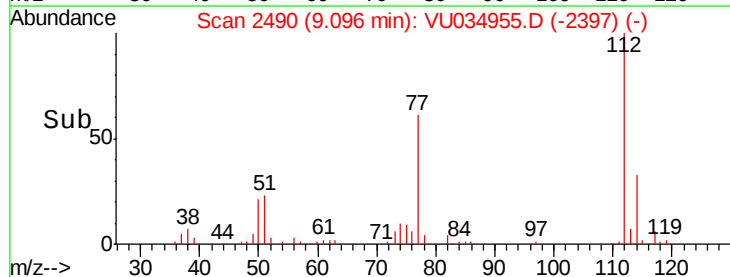
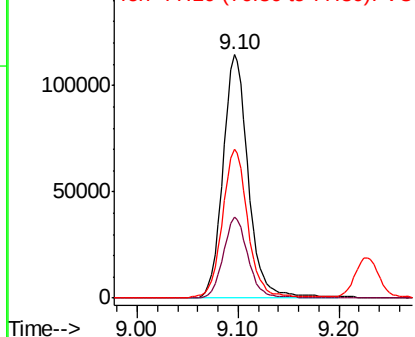


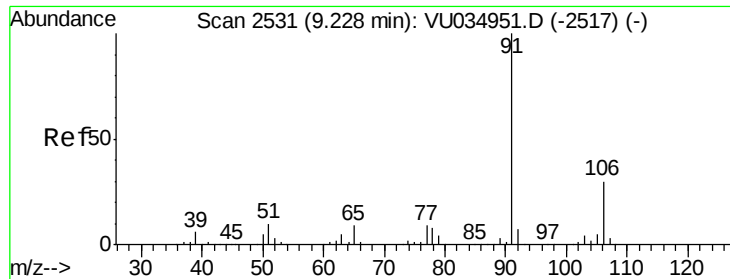
#51
Chlorobenzene
Concen: 4.976 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

Tgt Ion:112 Resp: 201602
Ion Ratio Lower Upper
112 100
114 33.1 22.2 41.2
77 61.1 47.4 71.2



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): VU





#52

Ethylbenzene

Concen: 5.152 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

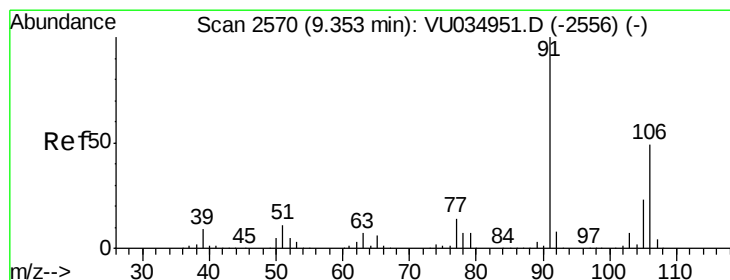
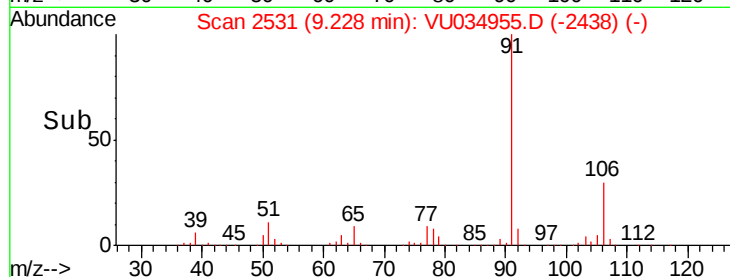
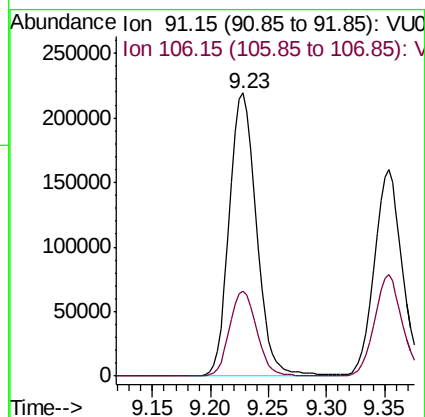
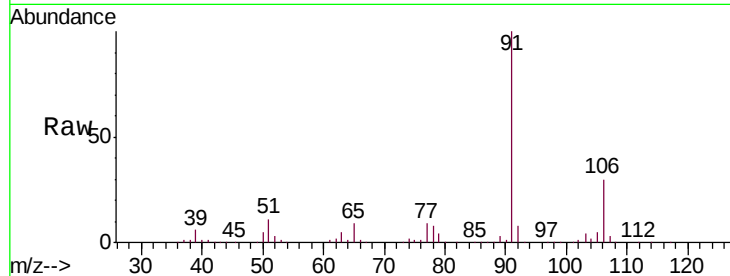
VSTD00528

Tgt Ion: 91 Resp: 355760

Ion Ratio Lower Upper

91 100

106 30.0 21.1 39.3



#53

m,p-Xylene

Concen: 5.227 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034955.D

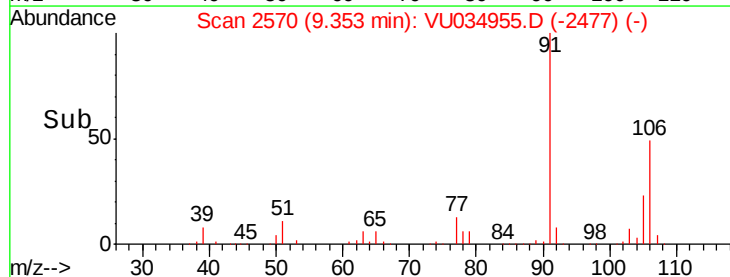
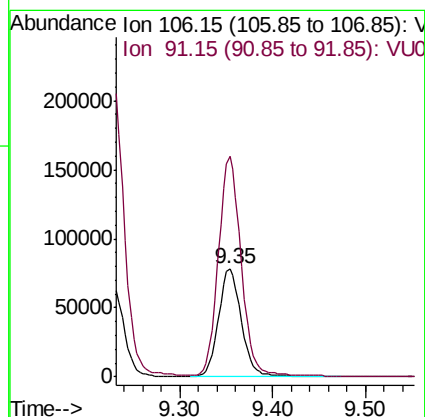
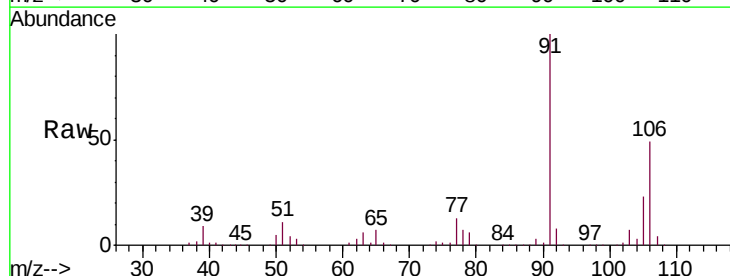
Acq: 07 Oct 2019 12:28

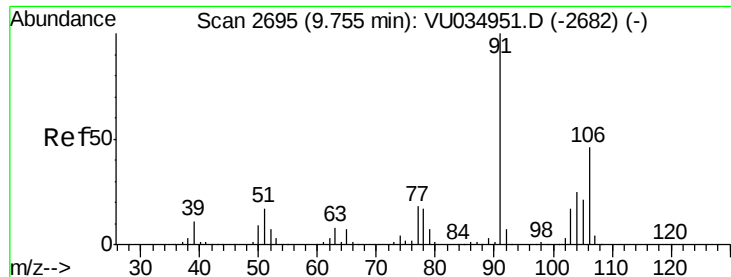
Tgt Ion: 106 Resp: 133312

Ion Ratio Lower Upper

106 100

91 203.8 143.1 265.9

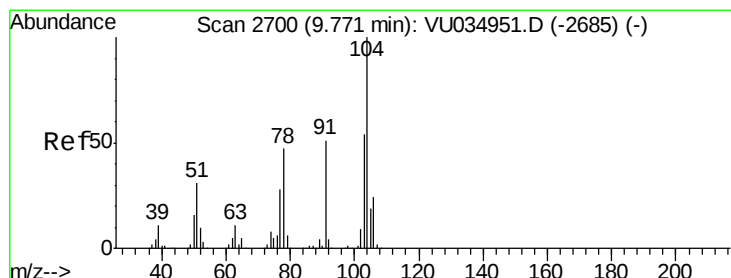
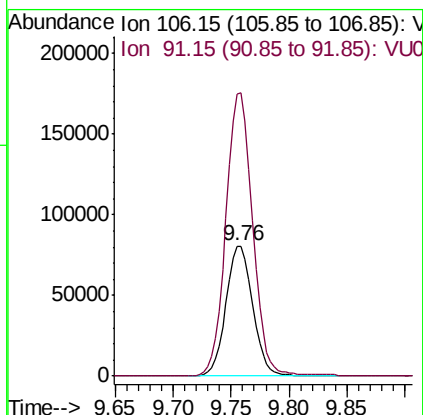
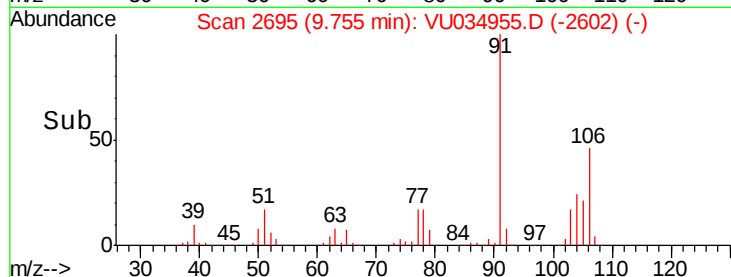
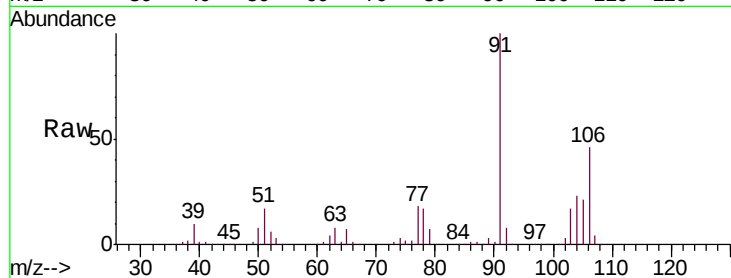




#54
o-Xylene
Concen: 5.200 ug/L
RT: 9.76 min Scan# 2695
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

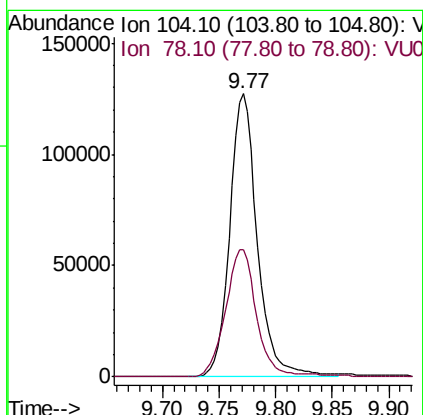
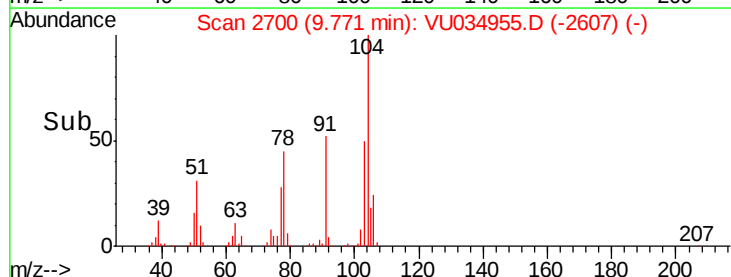
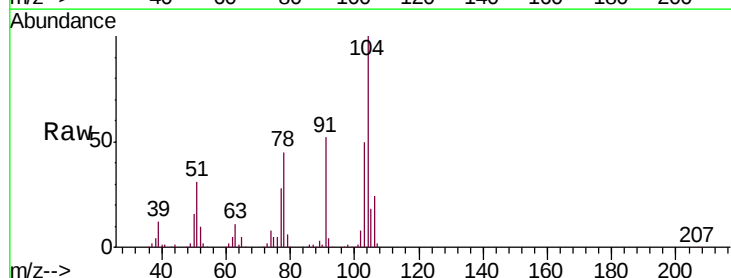
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

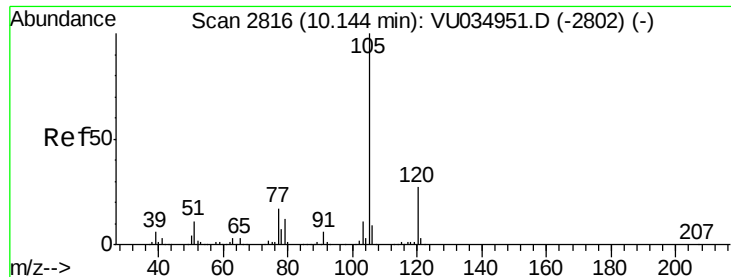
Tgt Ion:106 Resp: 129713
Ion Ratio Lower Upper
106 100
91 217.5 151.6 281.6



#55
Styrene
Concen: 5.351 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034955.D
Acq: 07 Oct 2019 12:28

Tgt Ion:104 Resp: 216141
Ion Ratio Lower Upper
104 100
78 45.0 32.7 60.7





#56

Isopropylbenzene

Concen: 5.116 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampled :

VSTD00528

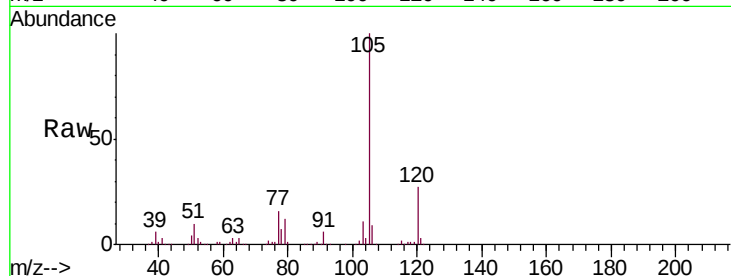
Tgt Ion: 105 Resp: 339991

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

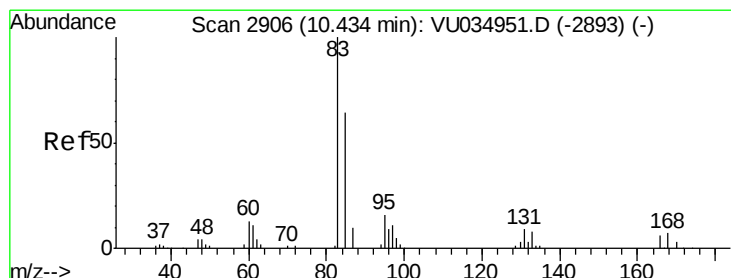
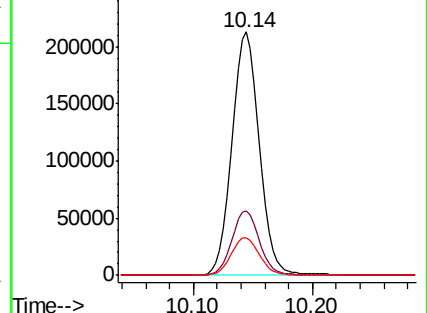
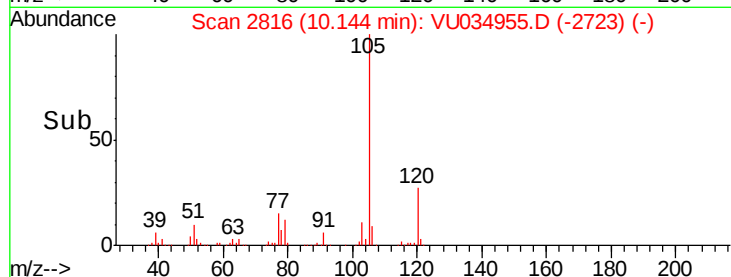
77 16.3 13.0 19.6



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: 5.346 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

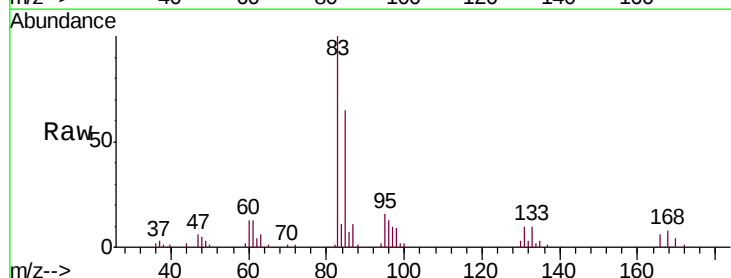
Tgt Ion: 83 Resp: 77992

Ion Ratio Lower Upper

83 100

85 65.4 45.0 83.6

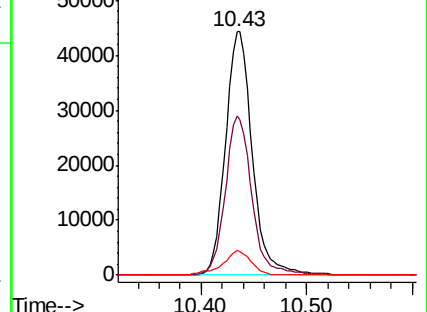
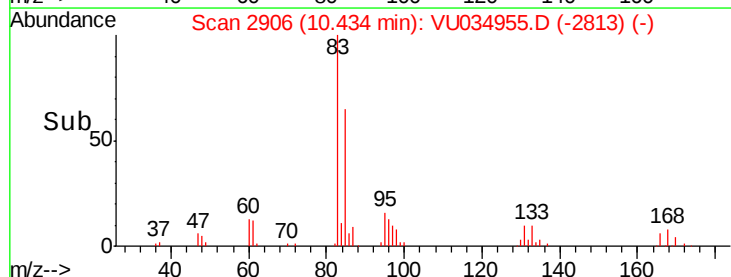
131 9.9 7.7 11.5

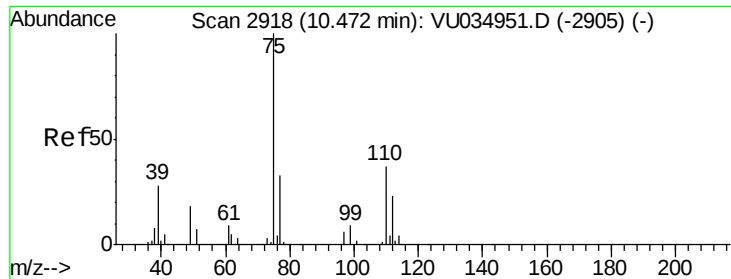


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

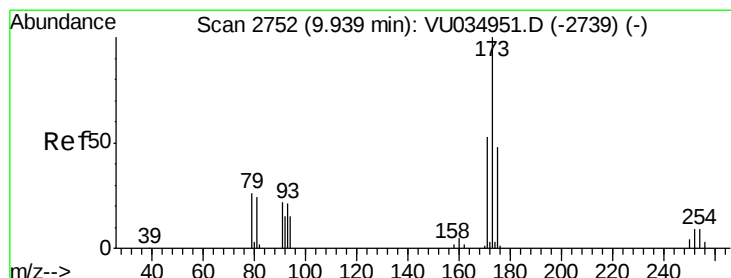
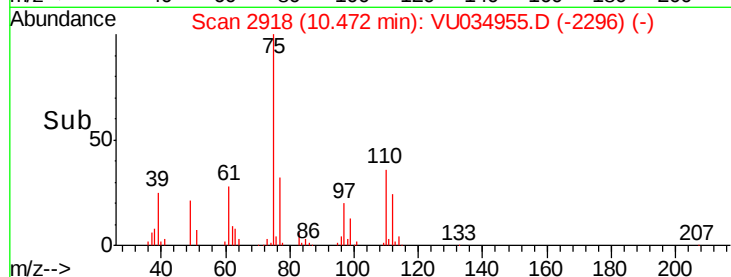
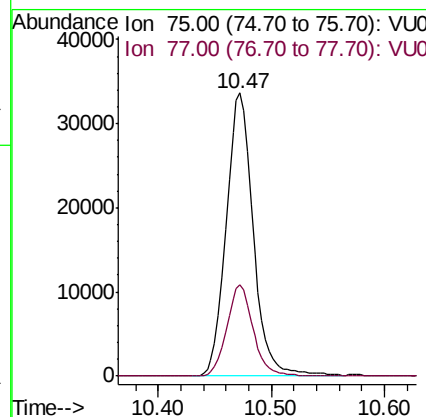
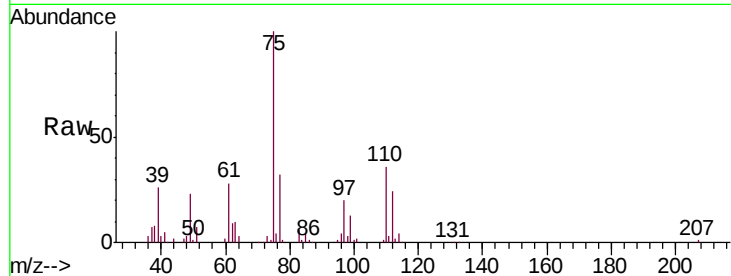




#59
 1,2,3-Trichloropropane
 Concen: 5.365 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

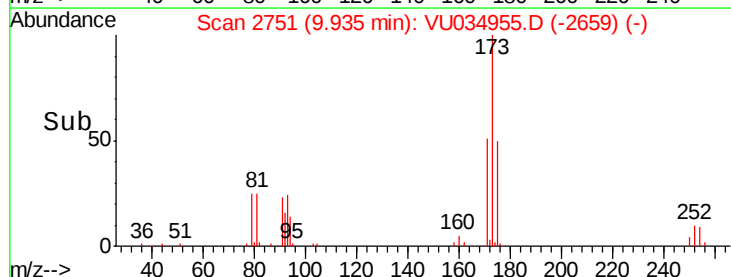
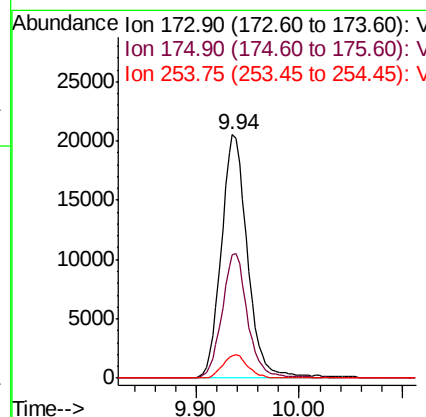
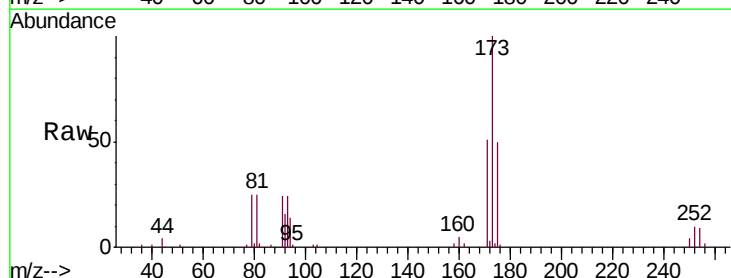
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

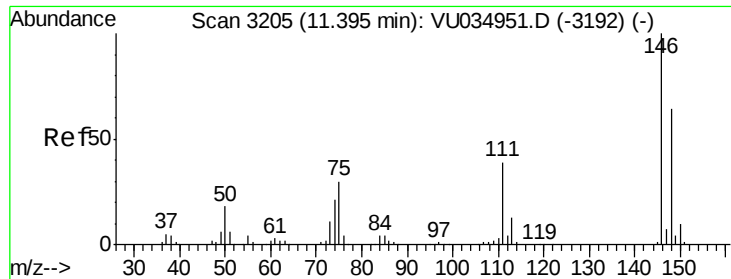
Tgt Ion: 75 Resp: 56109
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.6



#61
 Bromoform
 Concen: 5.286 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Tgt Ion: 173 Resp: 36302
 Ion Ratio Lower Upper
 173 100
 175 49.3 39.2 58.8
 254 9.0 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 5.252 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

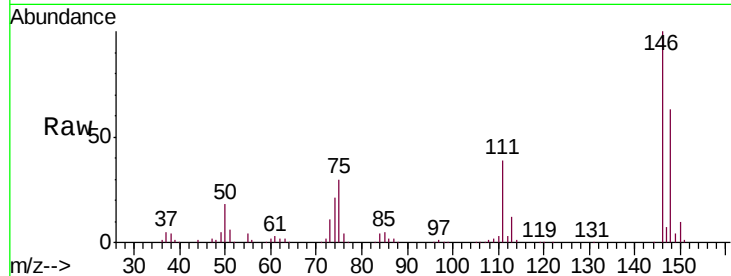
Tgt Ion:146 Resp: 161986

Ion Ratio Lower Upper

146 100

111 38.5 27.4 50.8

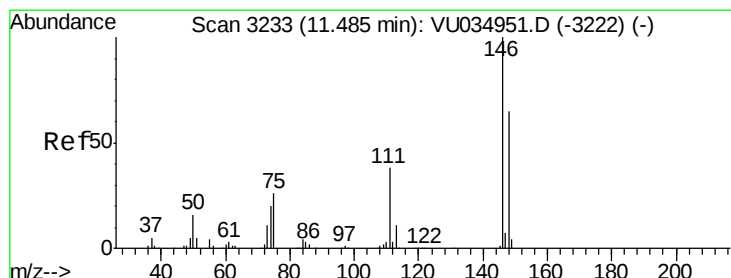
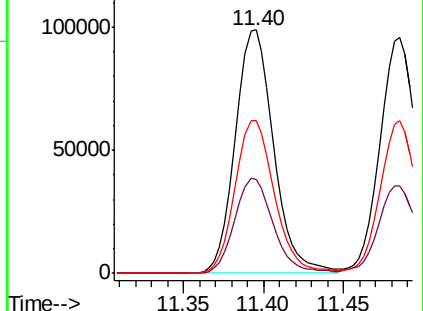
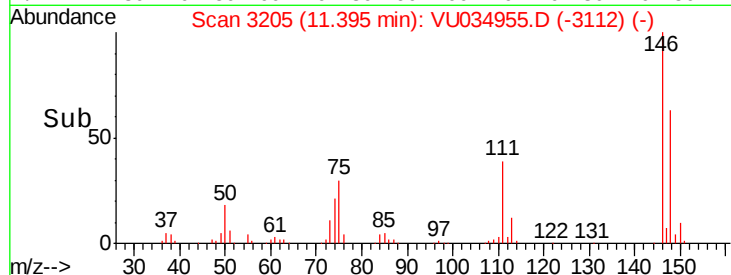
148 62.9 44.5 82.7



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: 5.284 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

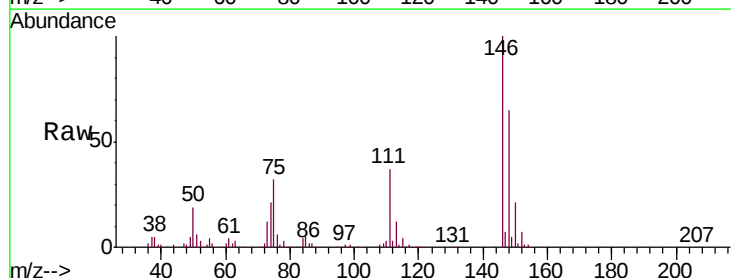
Tgt Ion:146 Resp: 164488

Ion Ratio Lower Upper

146 100

111 36.9 27.3 50.7

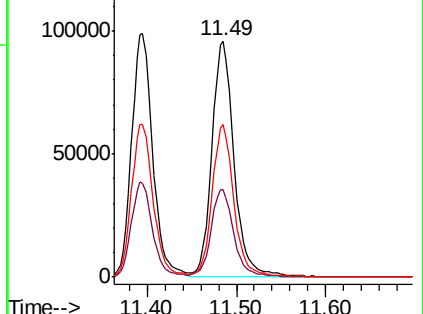
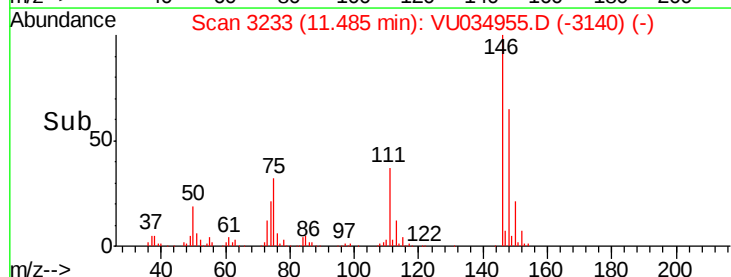
148 64.5 45.8 85.2

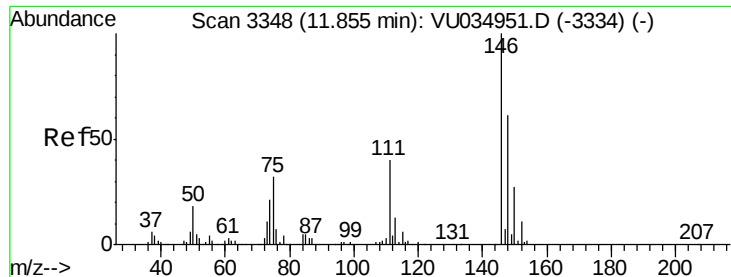


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

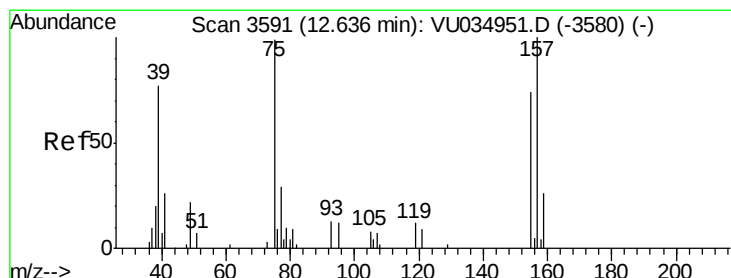
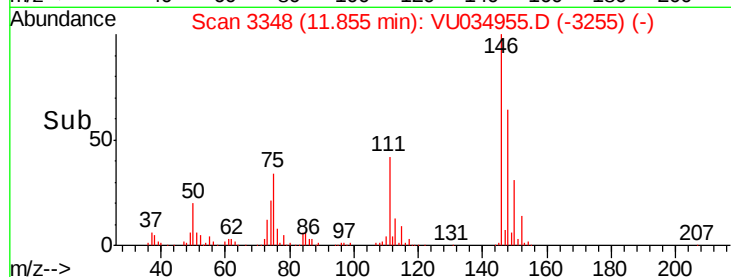
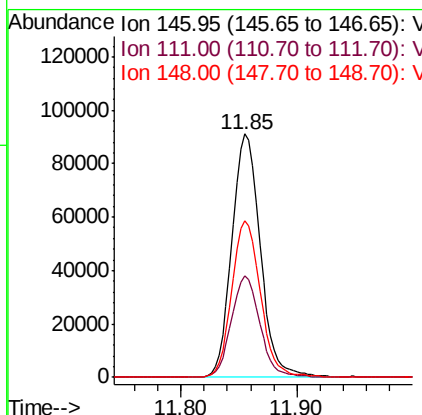
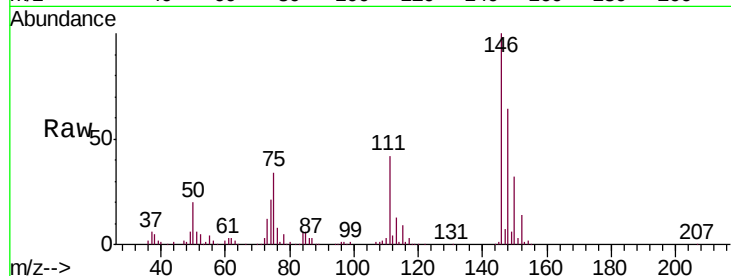




#65
 1,2-Dichlorobenzene
 Concen: 5.209 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

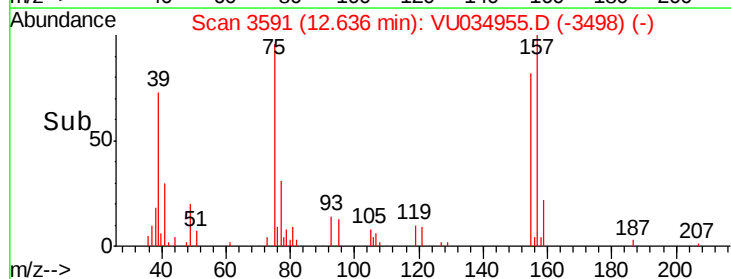
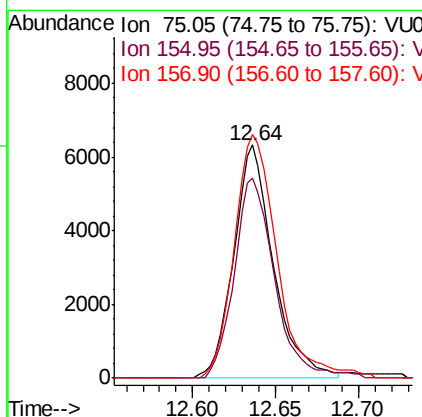
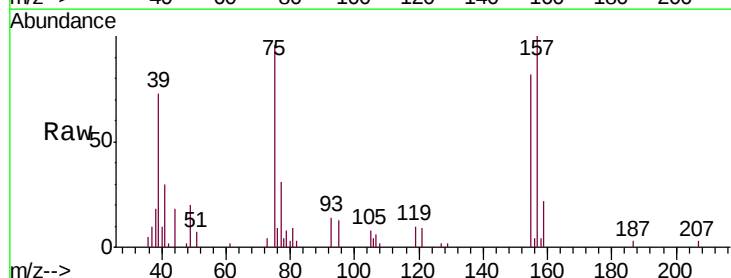
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

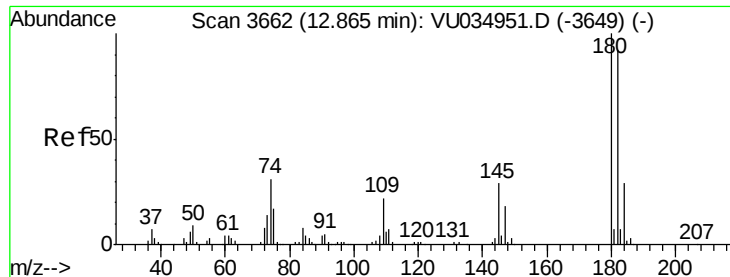
Tgt Ion: 146 Resp: 155036
 Ion Ratio Lower Upper
 146 100
 111 41.7 32.1 48.1
 148 64.2 49.2 73.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.553 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Tgt Ion: 75 Resp: 10503
 Ion Ratio Lower Upper
 75 100
 155 86.0 59.7 89.5
 157 104.5 80.8 121.2

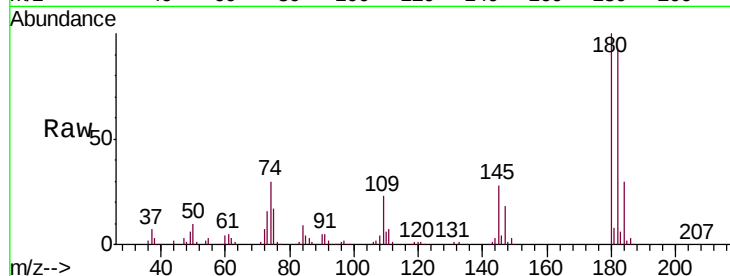




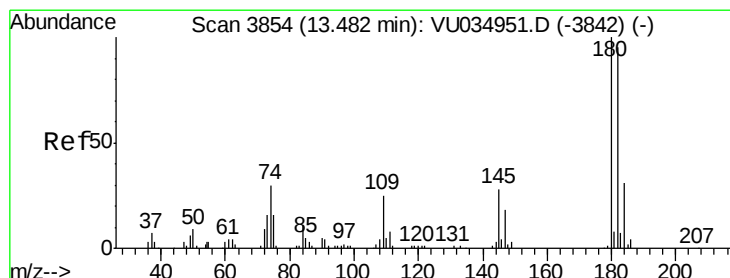
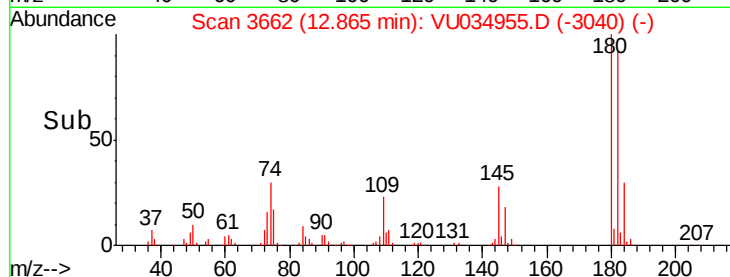
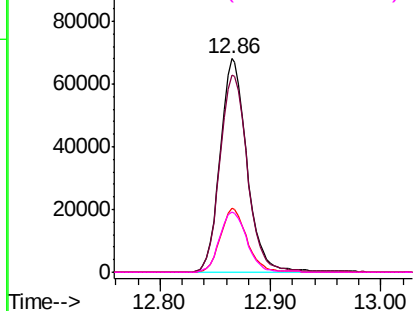
#67
 1,3,5-Trichlorobenzene
 Concen: 5.506 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tgt Ion:180 Resp: 114991
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.7 113.5
 184 29.9 24.1 36.1
 145 28.7 22.5 33.7

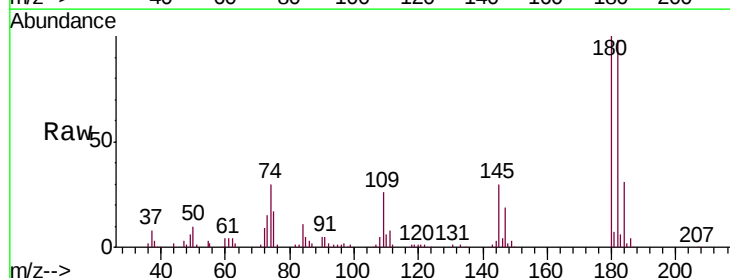


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

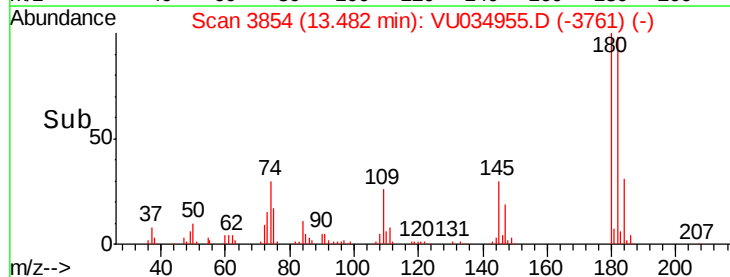
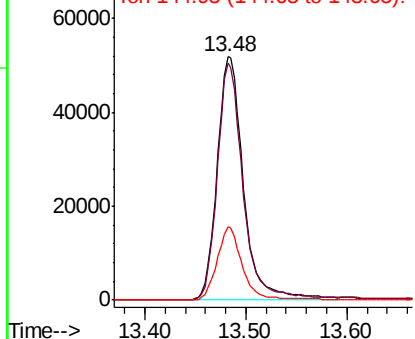


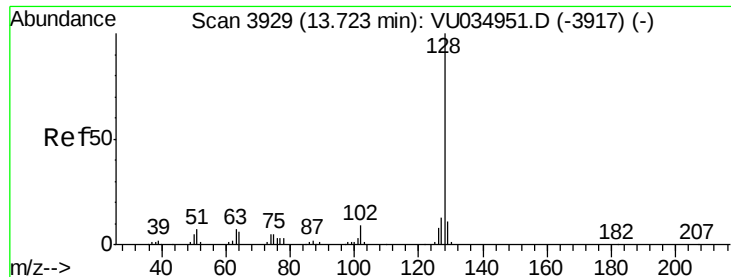
#68
 1,2,4-trichlorobenzene
 Concen: 6.069 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034955.D
 Acq: 07 Oct 2019 12:28

Tgt Ion:180 Resp: 94657
 Ion Ratio Lower Upper
 180 100
 182 94.8 77.0 115.4
 145 28.6 22.2 33.4



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: 6.506 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

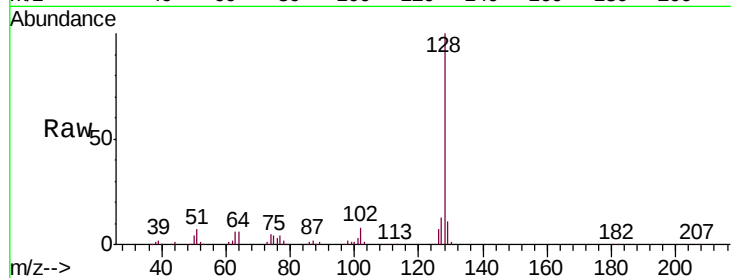
Tgt Ion:128 Resp: 157782

Ion Ratio Lower Upper

128 100

129 10.5 8.1 12.1

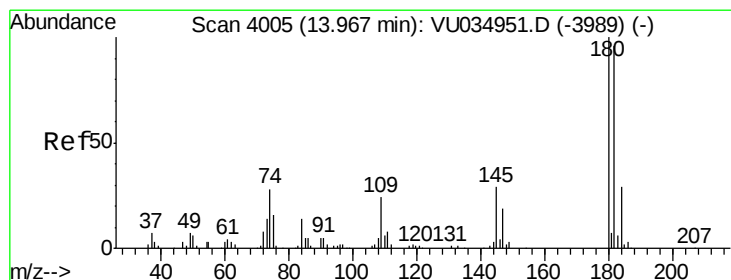
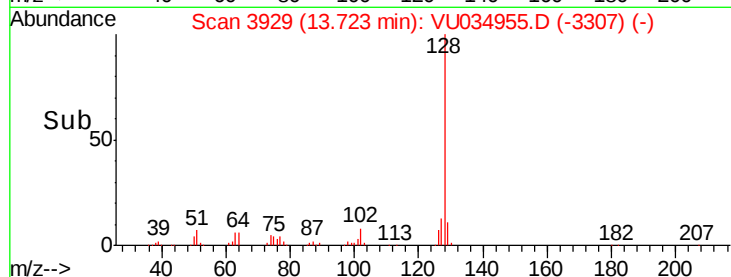
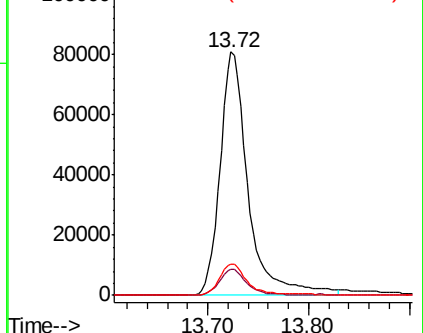
127 12.8 9.8 14.6



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: 6.039 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. -0.00 min

Lab File: VU034955.D

Acq: 07 Oct 2019 12:28

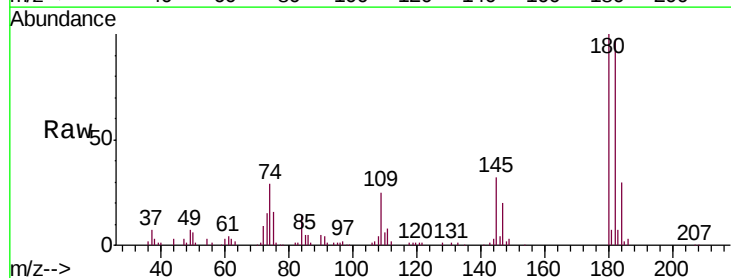
Tgt Ion:180 Resp: 91604

Ion Ratio Lower Upper

180 100

182 99.0 78.1 117.1

145 31.6 24.6 36.8



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

