

Data File : VU034368.D
Acq On : 07 Sep 2019 09:58
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

Quant Time: Sep 08 02:29:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR090119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 14:18:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	308422	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	291193	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	163692	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	87107	4.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.80%
7) Chloroethane-d5	1.68	69	76227	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.27	63	175903	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.40%
20) 2-Butanone-d5	4.19	46	233200	48.60	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.20%
24) Chloroform-d	4.63	84	174531	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.29	65	80495	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	5.32	84	369178	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.31	67	112533	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.55	98	339113	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.83	79	42121	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.30	63	184743	50.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.68%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	85893	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	136448	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	141219	4.778 ug/L	100
3) Chloromethane	1.32	50	135251	4.635 ug/L	99
5) Vinyl chloride	1.40	62	142774	4.714 ug/L	99
6) Bromomethane	1.63	94	73101	5.135 ug/L	96
8) Chloroethane	1.69	64	81700	4.700 ug/L	97
9) Trichlorofluoromethane	1.88	101	169863	5.020 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	101020	5.189 ug/L	97
12) 1,1-Dichloroethene	2.28	96	98445	5.132 ug/L	84
13) Acetone	2.34	43	149162	46.428 ug/L	96
14) Carbon disulfide	2.47	76	316277	4.831 ug/L	99
15) Methyl Acetate	2.62	43	40177	4.458 ug/L	97
16) Methylene chloride	2.69	84	106191	4.876 ug/L	92
17) Methyl tert-butyl Ether	2.99	73	233701	4.896 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	107195	5.167 ug/L	96
19) 1,1-Dichloroethane	3.42	63	200206	4.894 ug/L	98
21) 2-Butanone	4.28	43	265306	49.565 ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	118272	5.070 ug/L	92

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Response via : Initial Calibration

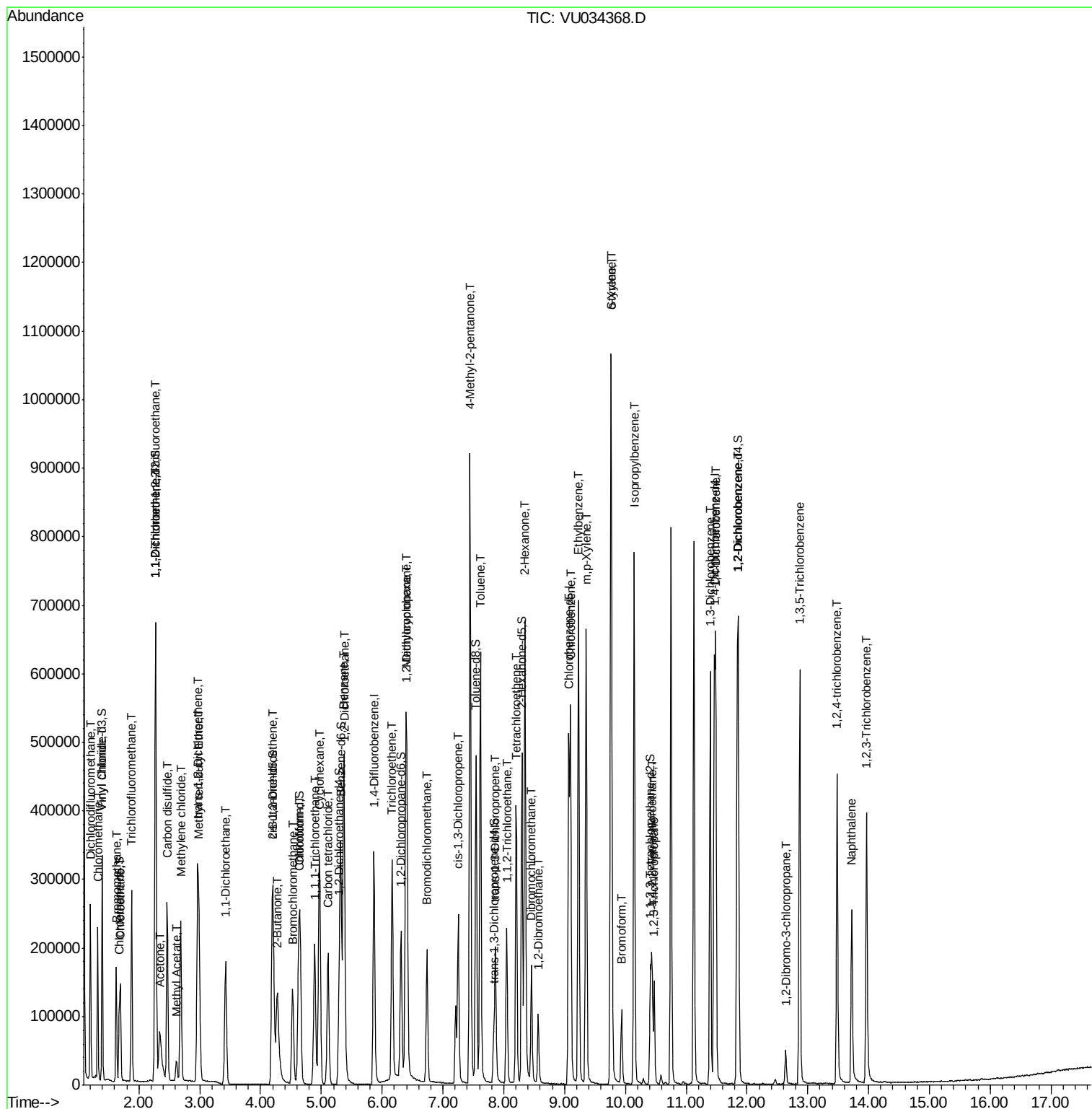
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	50897	5.081	ug/L	98
25) Chloroform	4.65	83	194545	4.672	ug/L	97
27) 1,2-Dichloroethane	5.39	62	109140	4.748	ug/L	96
29) 1,1,1-Trichloroethane	4.89	97	160804	5.036	ug/L	98
30) Cyclohexane	4.97	56	189132	5.008	ug/L	100
31) Carbon tetrachloride	5.11	117	144258	5.109	ug/L	100
33) Benzene	5.37	78	449131	5.099	ug/L	100
34) Trichloroethene	6.16	95	114720	5.054	ug/L	96
35) Methylcyclohexane	6.39	83	195114	5.187	ug/L	98
37) 1,2-Dichloropropane	6.41	63	112588	4.962	ug/L	100
38) Bromodichloromethane	6.74	83	132129	4.999	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	158590	5.013	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	613928	48.763	ug/L	98
42) Toluene	7.62	91	483206	5.199	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	120534	5.127	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	74554	5.123	ug/L	99
47) Tetrachloroethene	8.21	164	98360	5.272	ug/L	97
48) 2-Hexanone	8.35	43	433897	49.486	ug/L	96
49) Dibromochloromethane	8.46	129	91162	5.280	ug/L	99
50) 1,2-Dibromoethane	8.57	107	70209	5.098	ug/L	98
51) Chlorobenzene	9.10	112	309784	5.226	ug/L	99
52) Ethylbenzene	9.23	91	517231	5.150	ug/L	98
53) m,p-Xylene	9.36	106	203566	5.273	ug/L	94
54) o-Xylene	9.76	106	196441	5.310	ug/L	98
55) Styrene	9.77	104	329715	5.336	ug/L	98
56) Isopropylbenzene	10.14	105	518044	5.264	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	94489	5.049	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	64998	5.002	ug/L	98
61) Bromoform	9.94	173	52682	5.142	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	261908	5.133	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	264119	5.134	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	238541	5.101	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.64	75	13427	4.742	ug/L	93
67) 1,3,5-Trichlorobenzene	12.87	180	212266	5.193	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	162938	5.201	ug/L	97
69) Naphthalene	13.72	128	232265	4.924	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	149723	5.248	ug/L	97

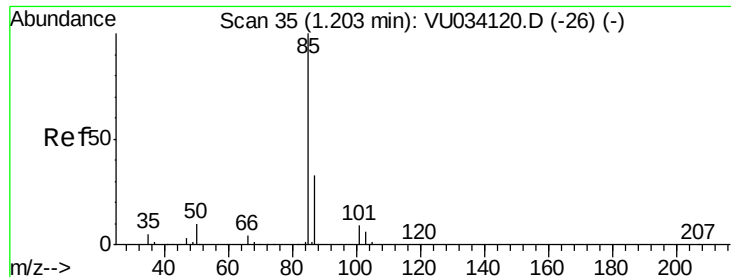
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.778 ug/L

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

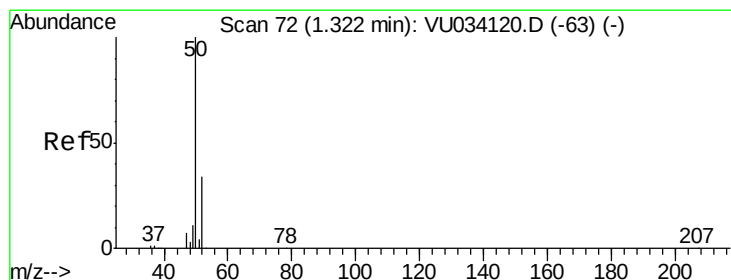
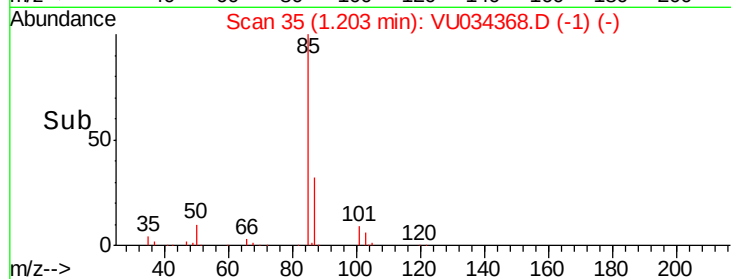
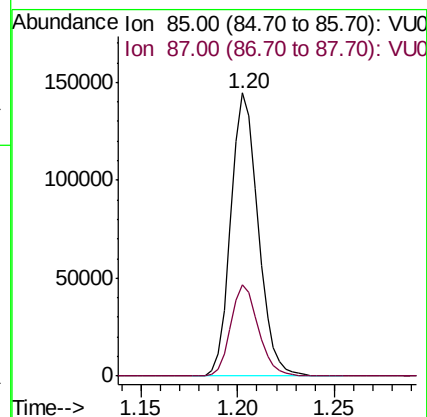
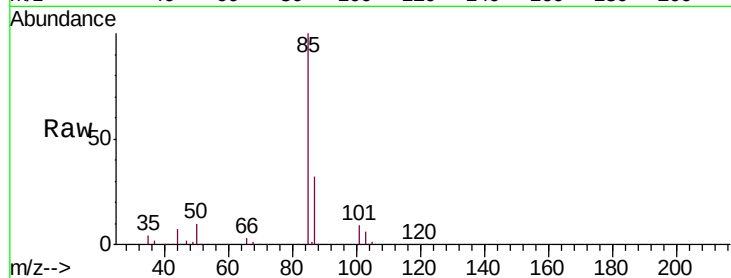
VSTD00517

Tgt Ion: 85 Resp: 141219

Ion Ratio Lower Upper

85 100

87 32.5 26.2 39.2



#3

Chloromethane

Concen: 4.635 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034368.D

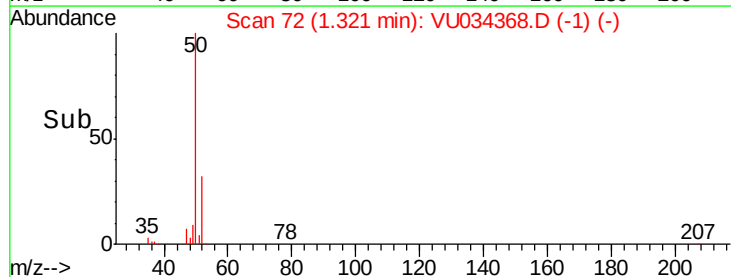
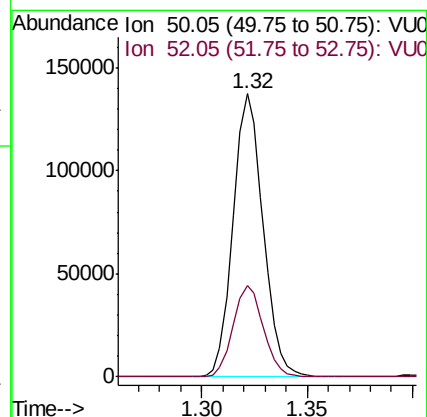
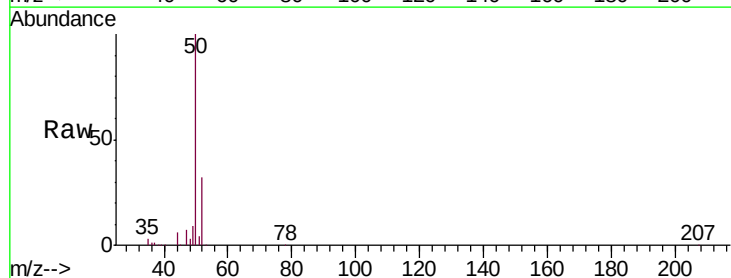
Acq: 07 Sep 2019 09:58

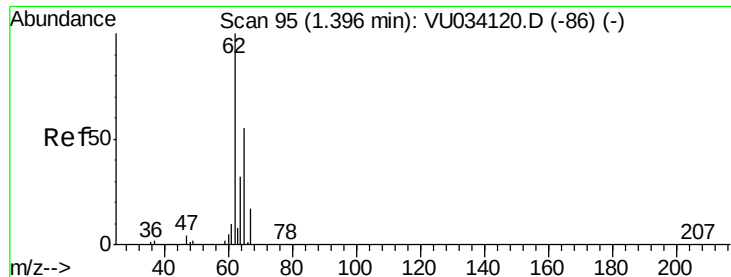
Tgt Ion: 50 Resp: 135251

Ion Ratio Lower Upper

50 100

52 32.4 23.1 42.9





#5

Vinyl chloride

Concen: 4.714 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

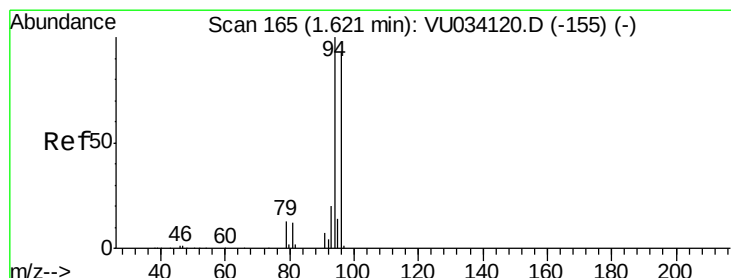
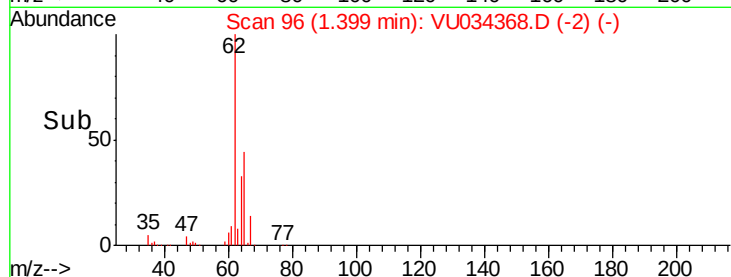
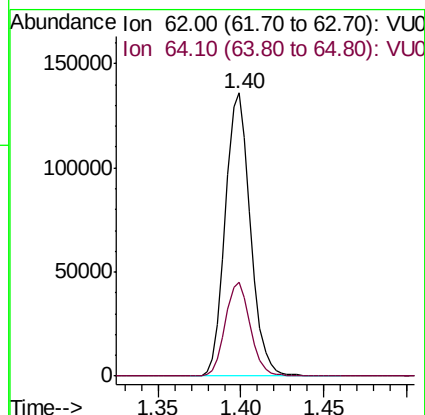
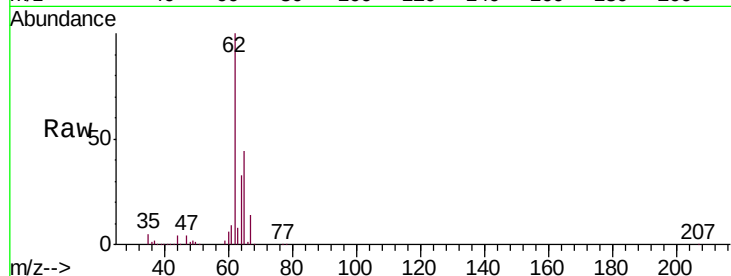
VSTD00517

Tgt Ion: 62 Resp: 142774

Ion Ratio Lower Upper

62 100

64 33.0 22.6 42.0



#6

Bromomethane

Concen: 5.135 ug/L

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU034368.D

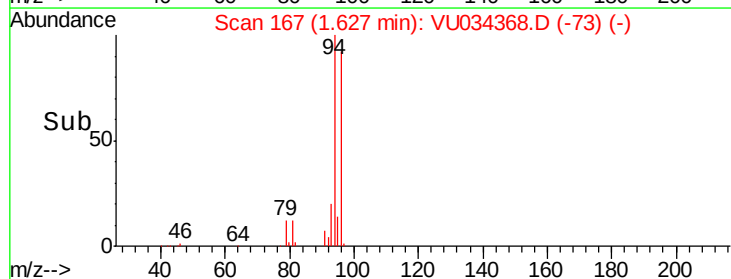
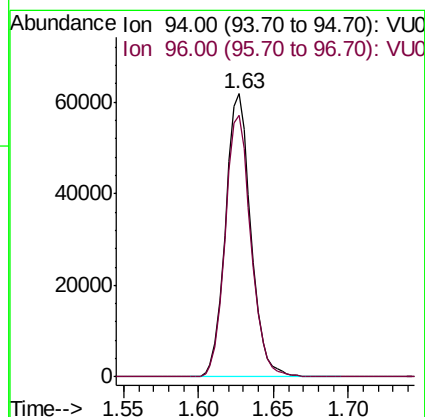
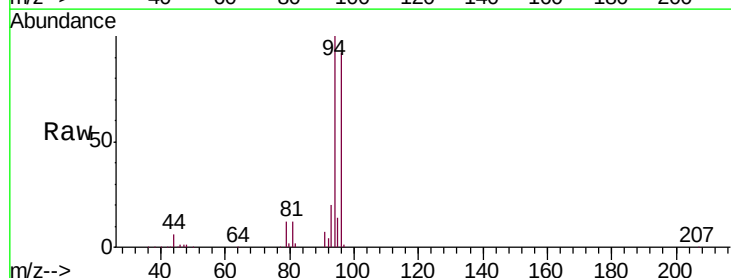
Acq: 07 Sep 2019 09:58

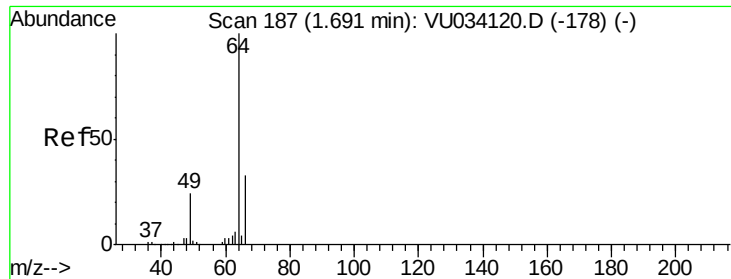
Tgt Ion: 94 Resp: 73101

Ion Ratio Lower Upper

94 100

96 92.2 67.0 124.4





#8

Chloroethane

Concen: 4.700 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

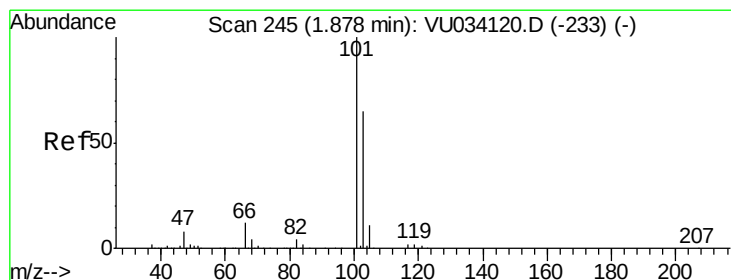
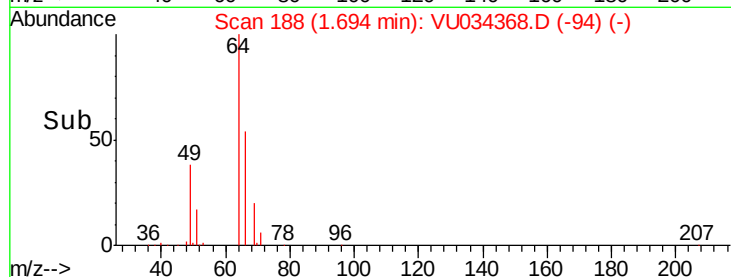
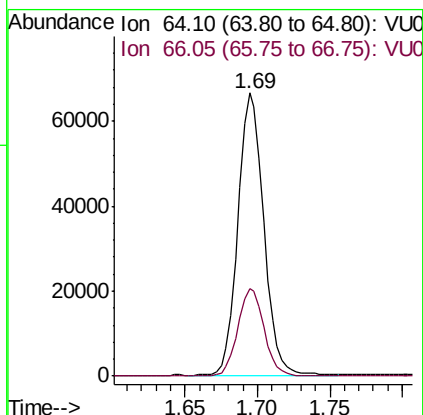
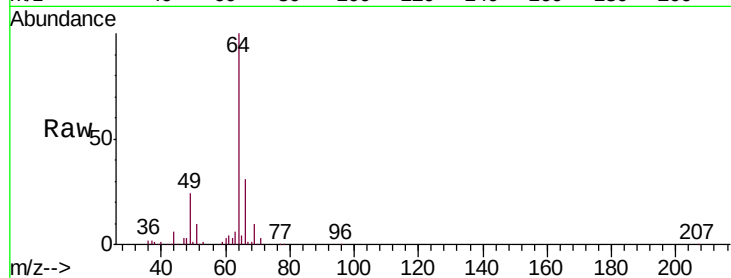
VSTD00517

Tgt Ion: 64 Resp: 81700

Ion Ratio Lower Upper

64 100

66 31.0 22.7 42.1



#9

Trichlorofluoromethane

Concen: 5.020 ug/L

RT: 1.88 min Scan# 246

Delta R.T. 0.00 min

Lab File: VU034368.D

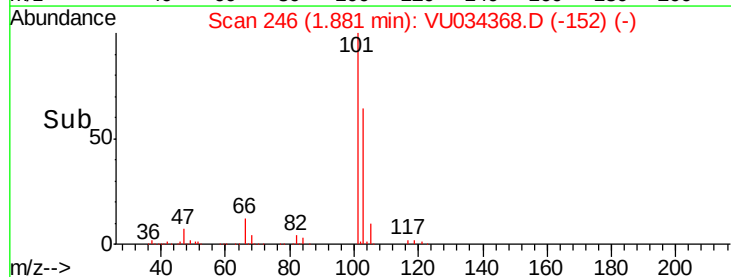
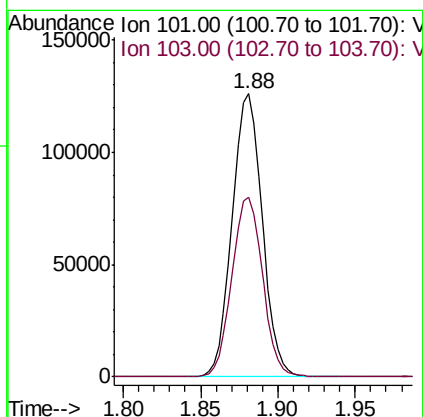
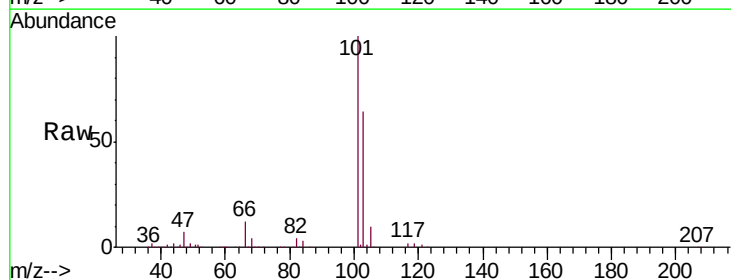
Acq: 07 Sep 2019 09:58

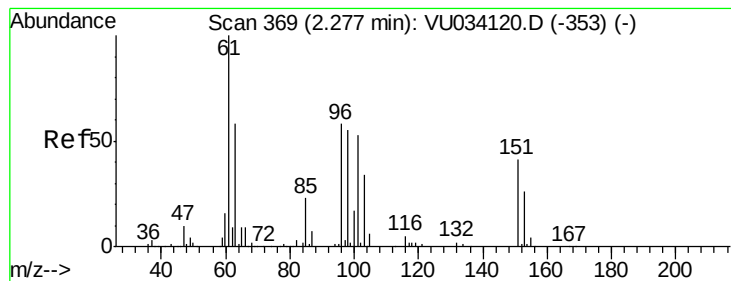
Tgt Ion: 101 Resp: 169863

Ion Ratio Lower Upper

101 100

103 64.8 52.3 78.5





#10

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

Concen: 5.189 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

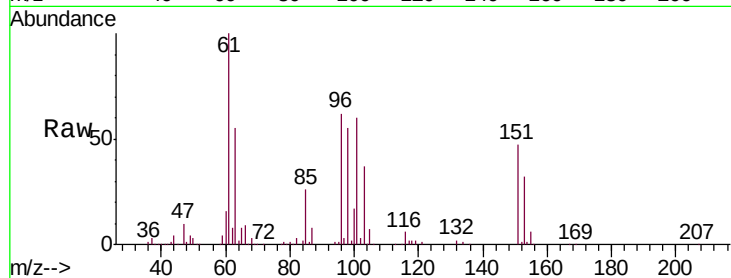
Tgt Ion: 101 Resp: 101020

Ion Ratio Lower Upper

101 100

85 42.5 35.0 52.4

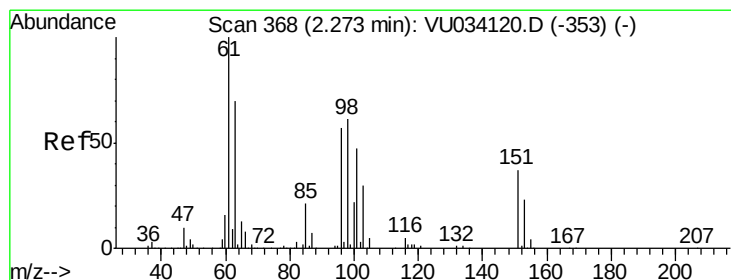
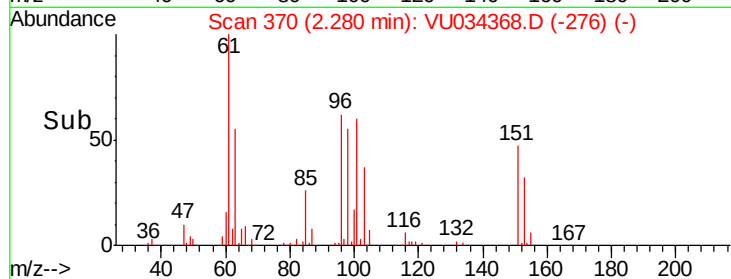
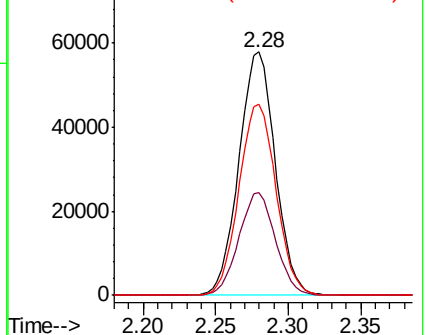
151 80.1 62.0 93.0



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: 5.132 ug/L

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

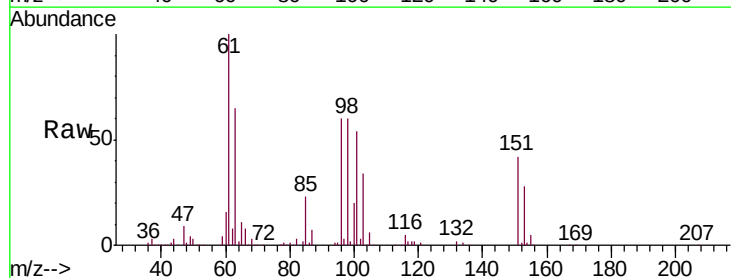
Tgt Ion: 96 Resp: 98445

Ion Ratio Lower Upper

96 100

61 165.8 126.6 235.0

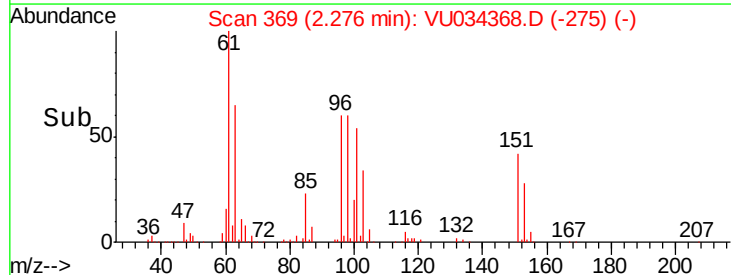
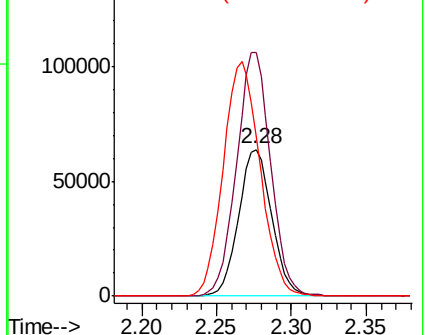
63 108.4 94.5 175.5

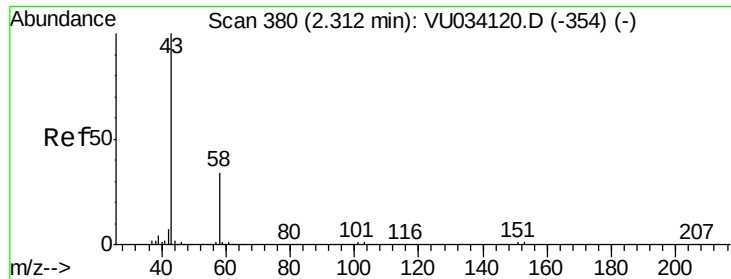


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 46.428 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.02 min

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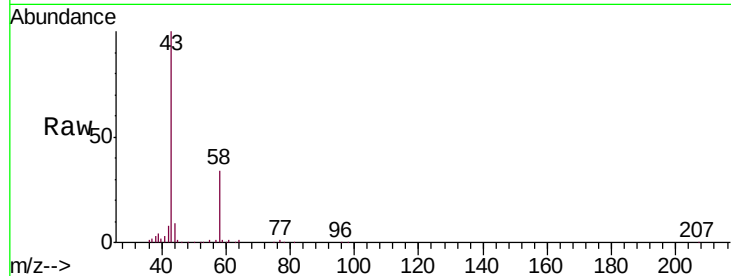
VSTD00517

Tgt Ion: 43 Resp: 149162

Ion Ratio Lower Upper

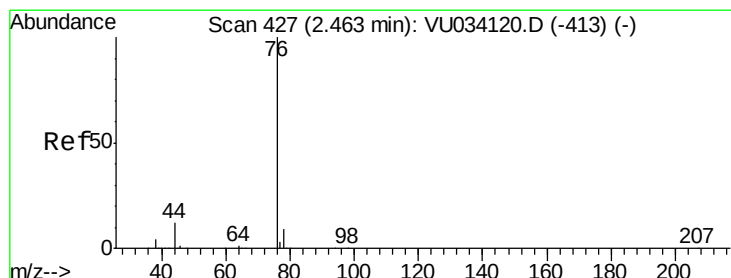
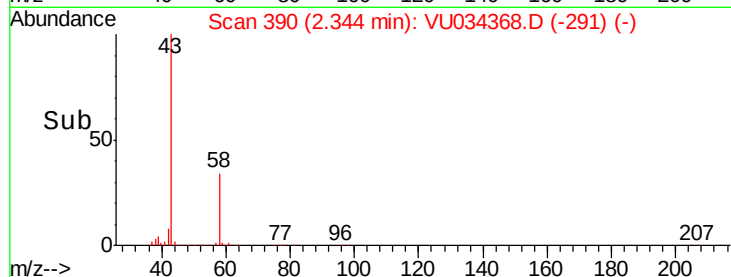
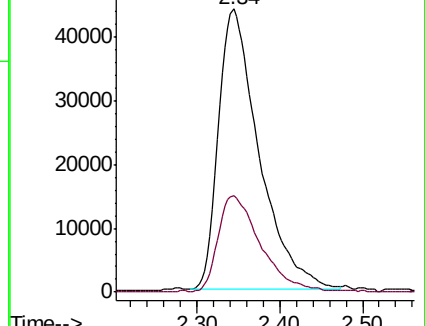
43 100

58 36.2 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU034368.D (-390) (-)

Ion 58.05 (57.75 to 58.75): VU034368.D (-390) (-)



#14

Carbon disulfide

Concen: 4.831 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VU034368.D

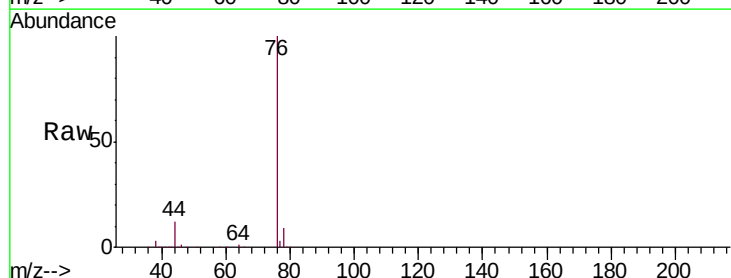
Acq: 07 Sep 2019 09:58

Tgt Ion: 76 Resp: 316277

Ion Ratio Lower Upper

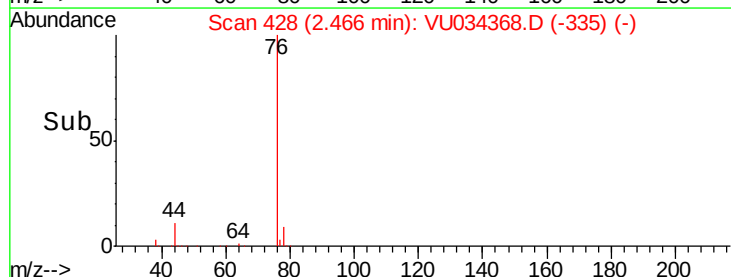
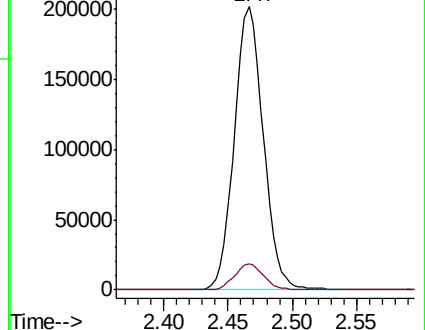
76 100

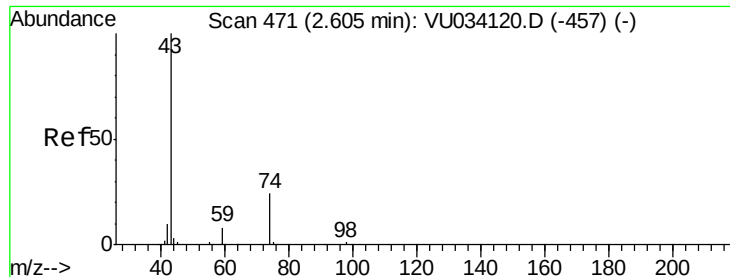
78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU034368.D (-428) (-)

Ion 78.00 (77.70 to 78.70): VU034368.D (-428) (-)

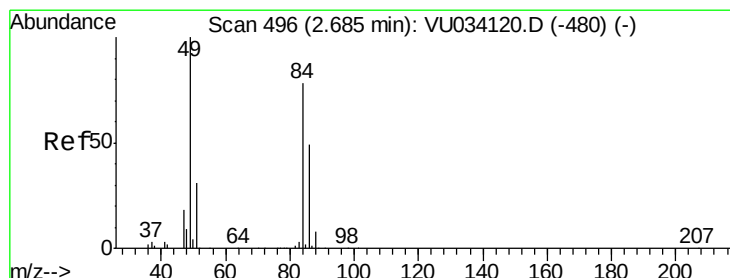
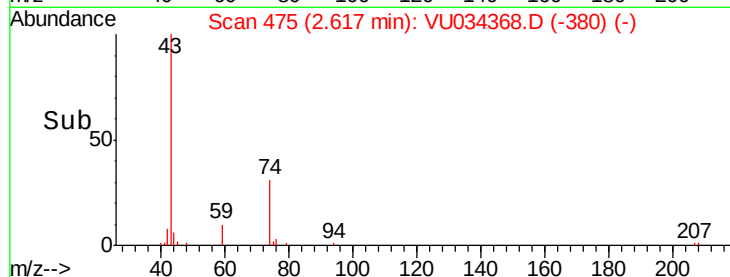
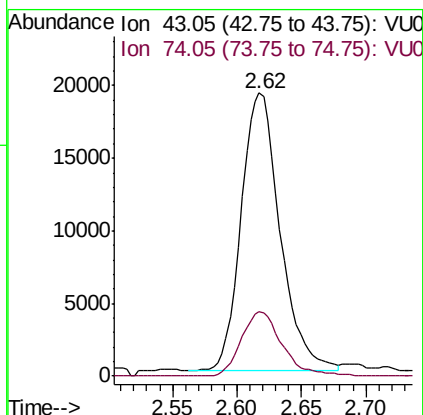
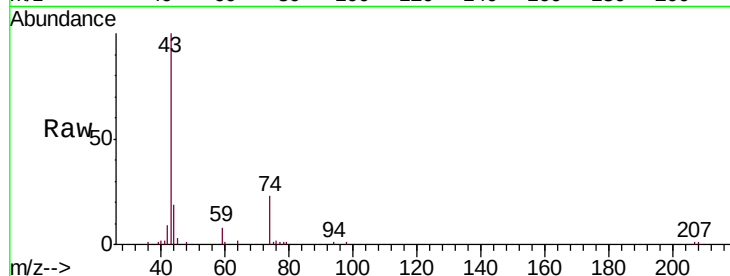




#15
Methyl Acetate
Concen: 4.458 ug/L
RT: 2.62 min Scan# 475
Delta R.T. 0.01 min
Lab File: VU034368.D
Acq: 07 Sep 2019 09:58

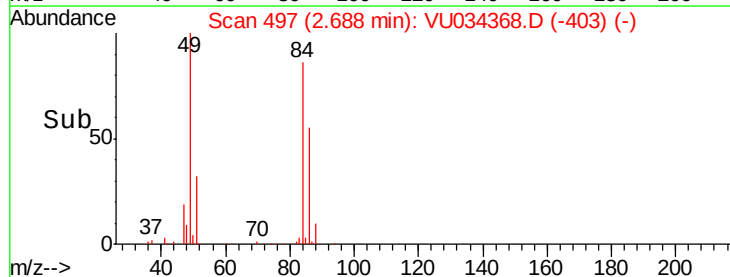
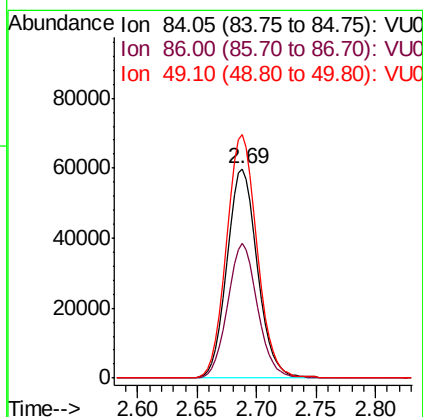
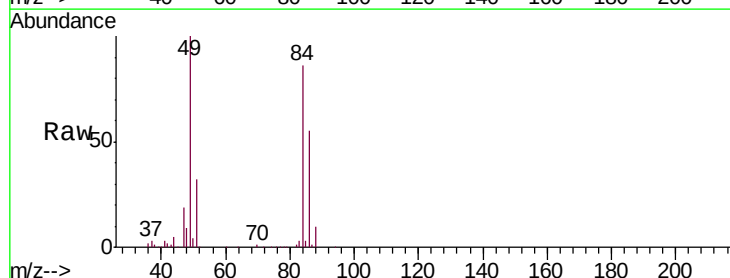
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

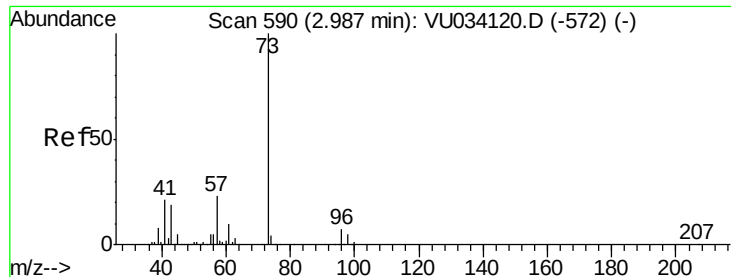
Tgt Ion: 43 Resp: 40177
Ion Ratio Lower Upper
43 100
74 24.4 18.4 27.6



#16
Methylene chloride
Concen: 4.876 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034368.D
Acq: 07 Sep 2019 09:58

Tgt Ion: 84 Resp: 106191
Ion Ratio Lower Upper
84 100
86 64.1 44.4 82.5
49 116.2 90.2 167.4





#17

Methyl tert-butyl Ether

Concen: 4.896 ug/L

RT: 2.99 min Scan# 591

Delta R.T. 0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

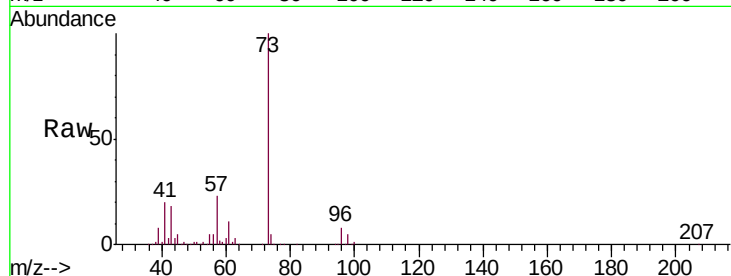
Tgt Ion: 73 Resp: 233701

Ion Ratio Lower Upper

73 100

43 17.6 14.7 22.1

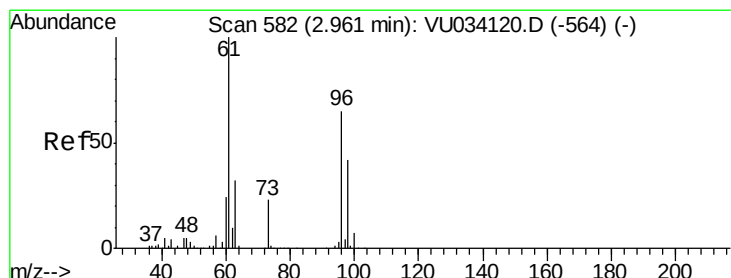
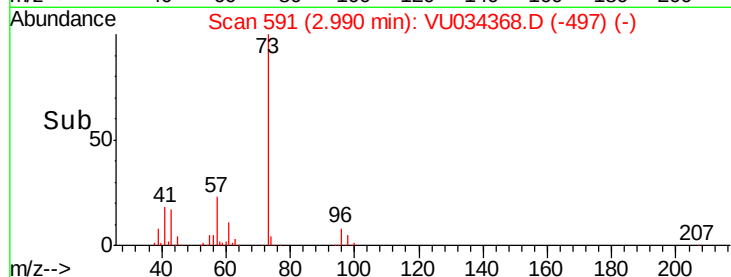
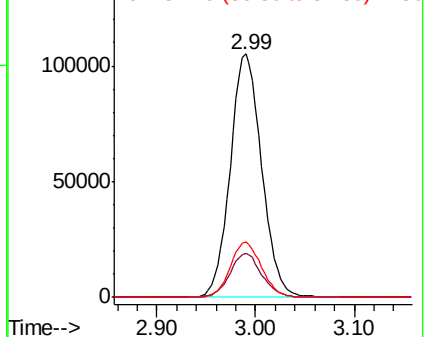
57 22.5 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU034368.D (-497) (-)

Ion 43.05 (42.75 to 43.75): VU034368.D (-497) (-)

Ion 57.10 (56.80 to 57.80): VU034368.D (-497) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.167 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

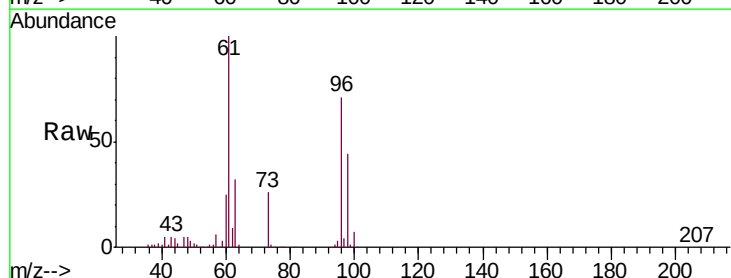
Tgt Ion: 96 Resp: 107195

Ion Ratio Lower Upper

96 100

61 141.6 103.5 192.3

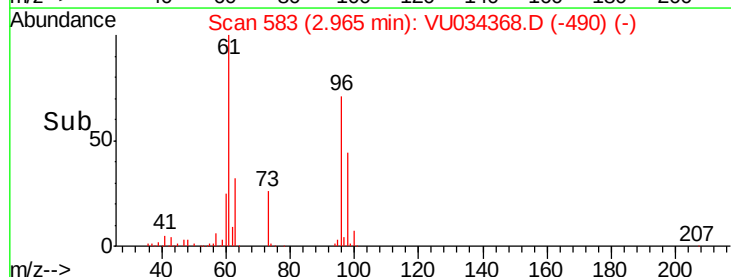
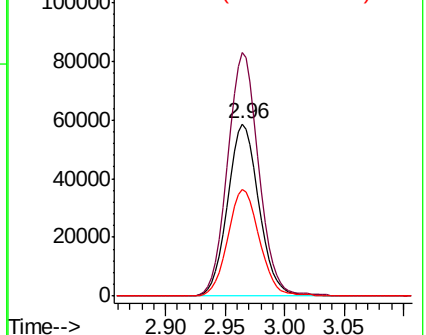
98 62.2 44.9 83.3

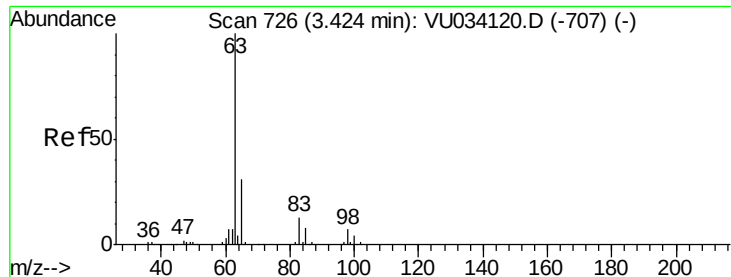


Abundance Ion 96.00 (95.70 to 96.70): VU034368.D (-490) (-)

Ion 61.05 (60.75 to 61.75): VU034368.D (-490) (-)

Ion 97.95 (97.65 to 98.65): VU034368.D (-490) (-)

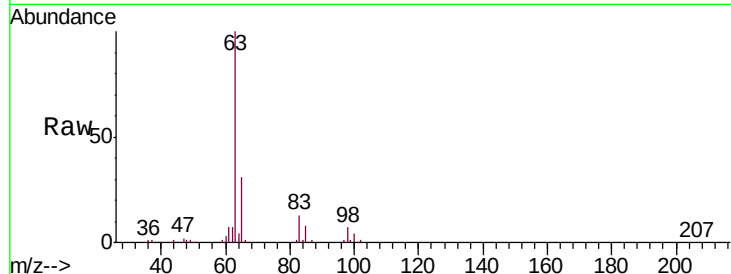




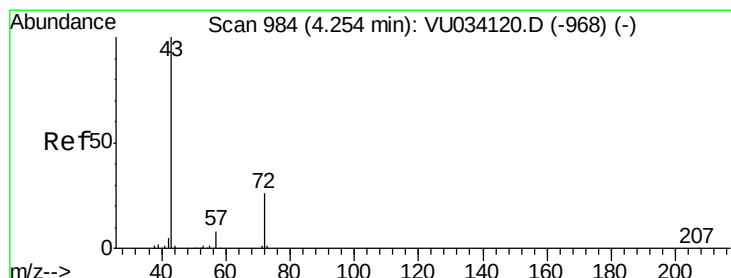
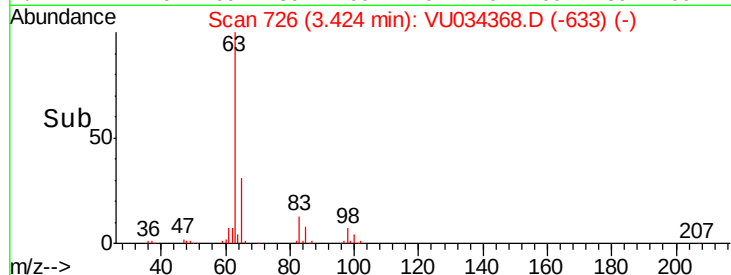
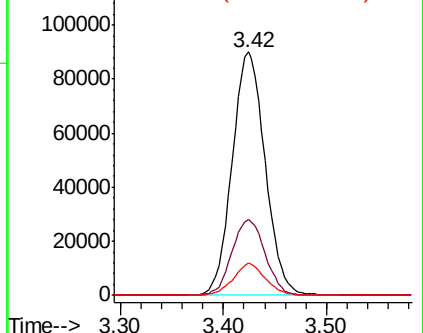
#19
 1,1-Dichloroethane
 Concen: 4.894 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.5	41.9
83	13.2	9.1	16.9

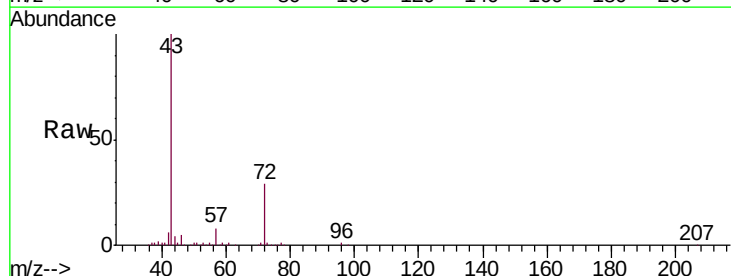


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

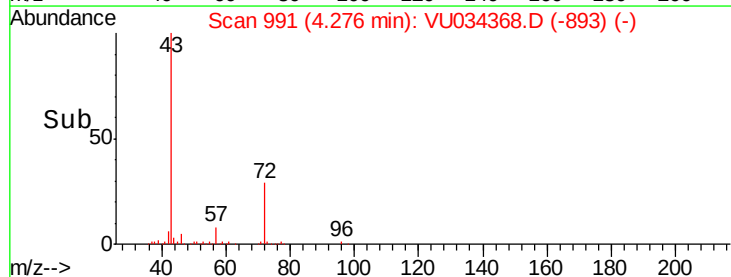
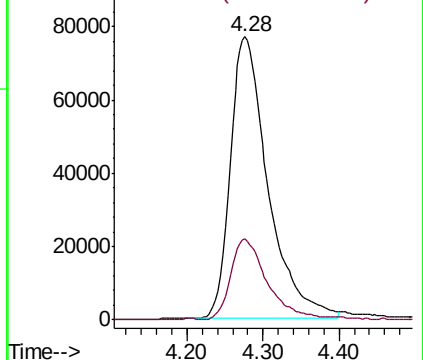


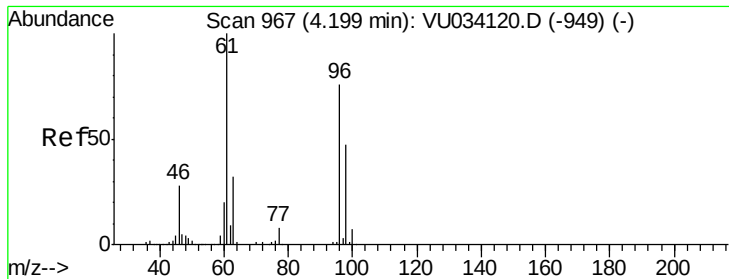
#21
 2-Butanone
 Concen: 49.565 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. 0.02 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.4	13.3	39.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



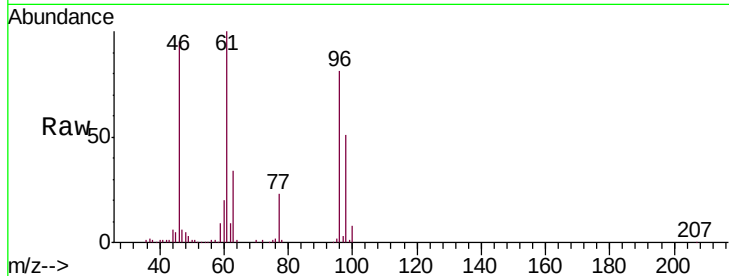


#22

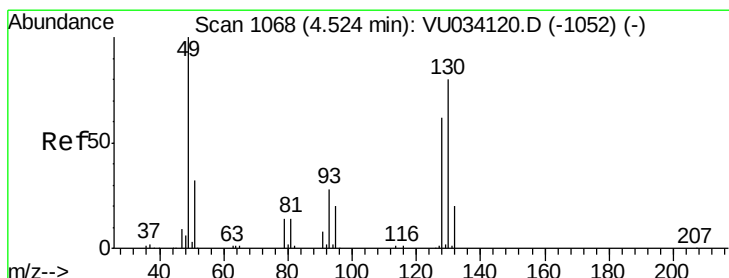
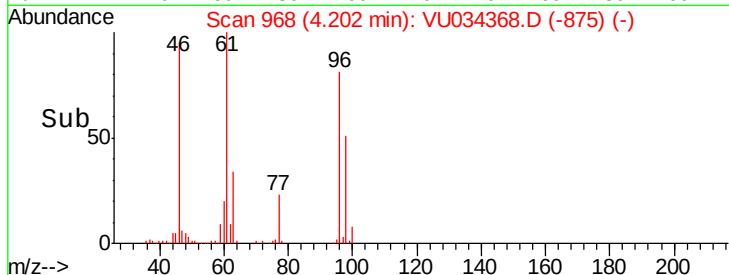
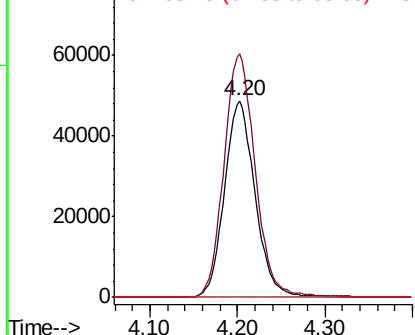
cis-1,2-Dichloroethene
 Concen: 5.070 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion: 96 Resp: 118272
 Ion Ratio Lower Upper
 96 100
 61 123.8 93.6 173.8
 68 0.0 0.0 0.0



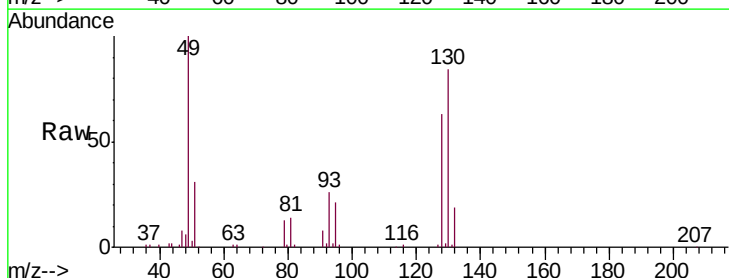
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



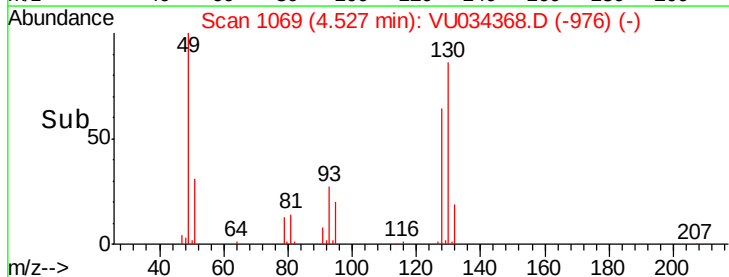
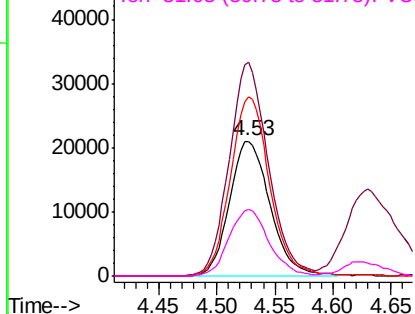
#23

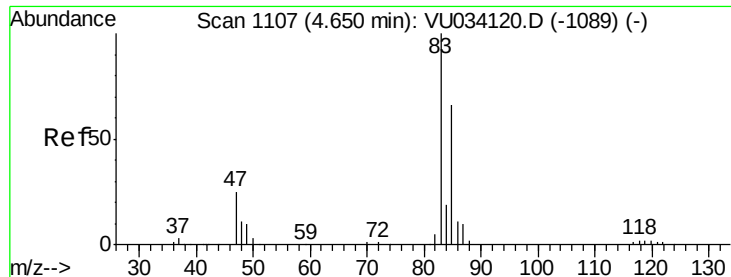
Bromochloromethane
 Concen: 5.081 ug/L
 RT: 4.53 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Tgt Ion: 128 Resp: 50897
 Ion Ratio Lower Upper
 128 100
 49 158.2 110.8 205.8
 130 133.0 90.8 168.6
 51 49.5 41.1 61.7



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

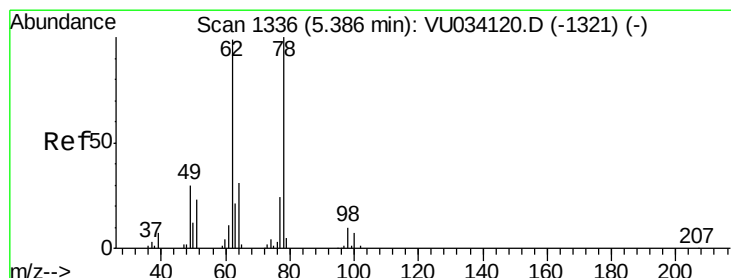
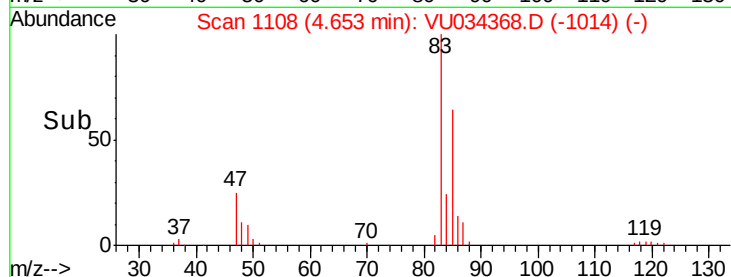
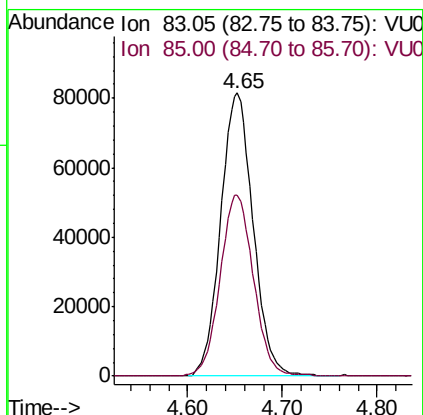
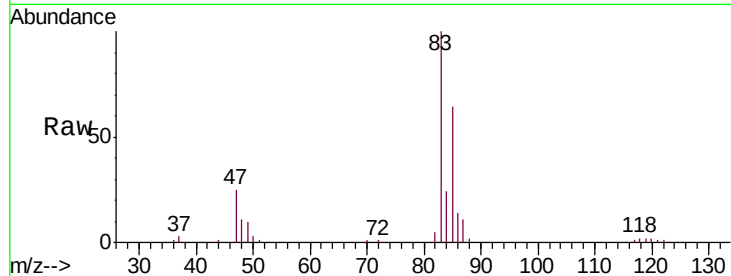




#25
Chloroform
Concen: 4.672 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034368.D
Acq: 07 Sep 2019 09:58

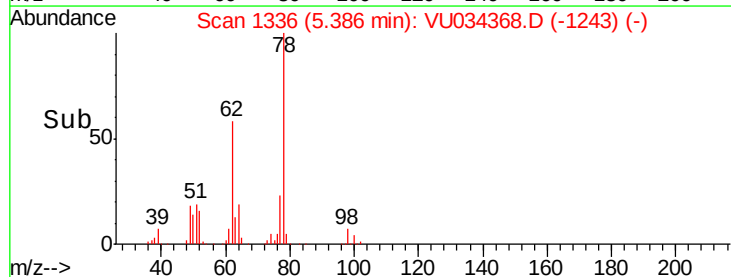
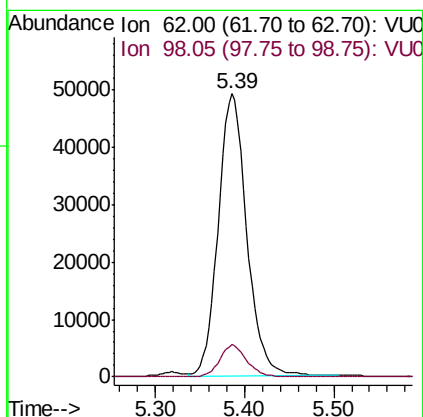
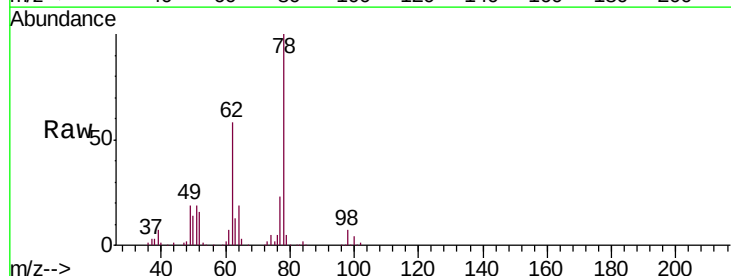
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

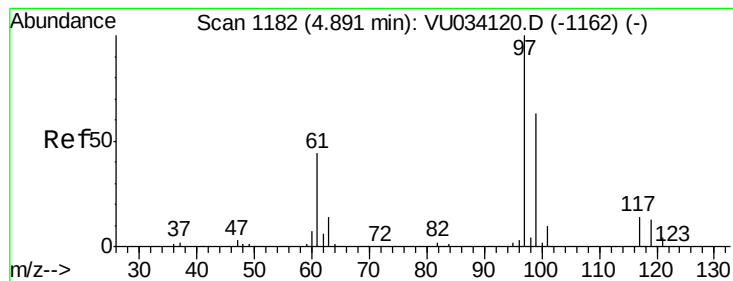
Tgt Ion: 83 Resp: 194545
Ion Ratio Lower Upper
83 100
85 64.1 46.8 86.8



#27
1,2-Dichloroethane
Concen: 4.748 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU034368.D
Acq: 07 Sep 2019 09:58

Tgt Ion: 62 Resp: 109140
Ion Ratio Lower Upper
62 100
98 11.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 5.036 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

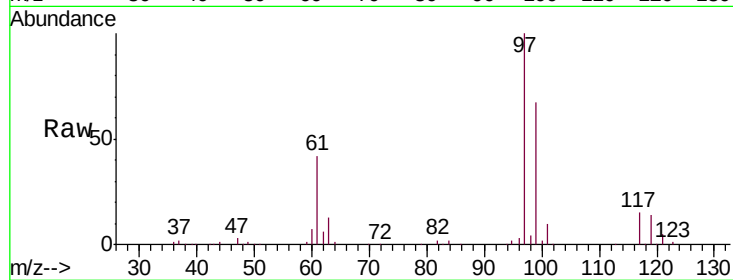
Tgt Ion: 97 Resp: 160804

Ion Ratio Lower Upper

97 100

99 66.1 52.1 78.1

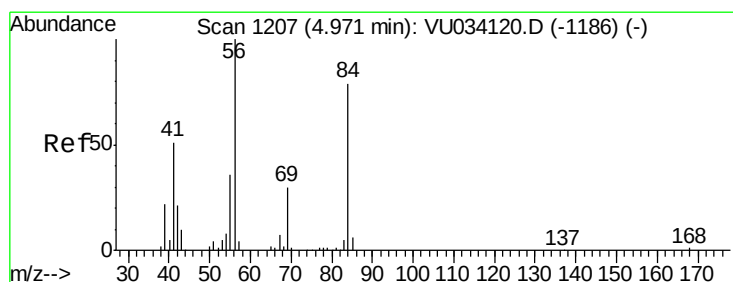
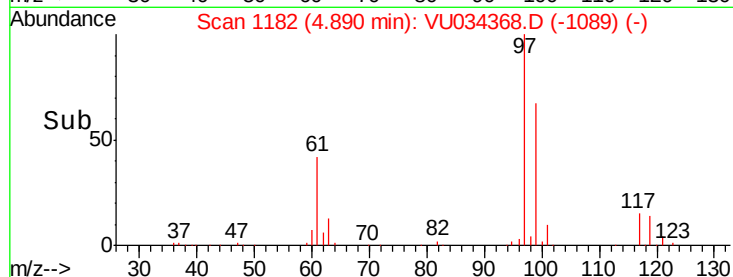
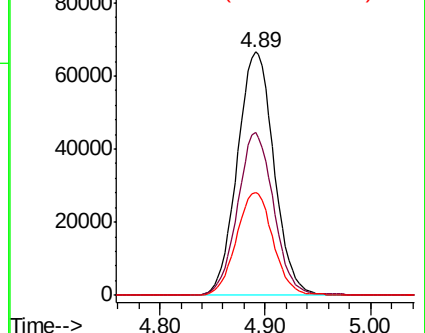
61 42.4 35.4 53.2



Abundance Ion 96.95 (96.65 to 97.65): VU034120.D (-1162) (-)

Ion 99.05 (98.75 to 99.75): VU034120.D (-1162) (-)

Ion 61.05 (60.75 to 61.75): VU034120.D (-1162) (-)



#30

Cyclohexane

Concen: 5.008 ug/L

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

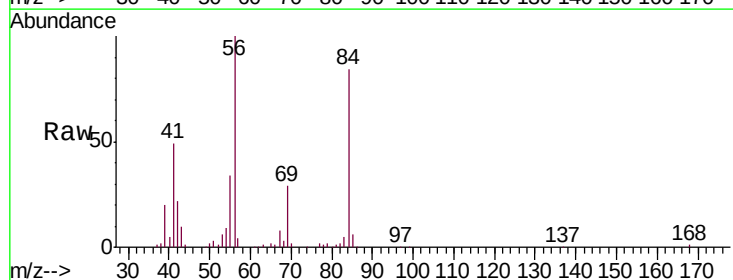
Tgt Ion: 56 Resp: 189132

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.4

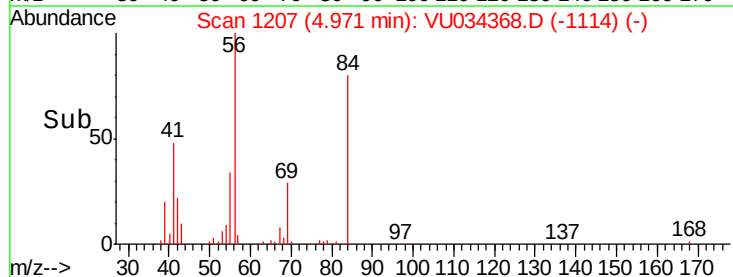
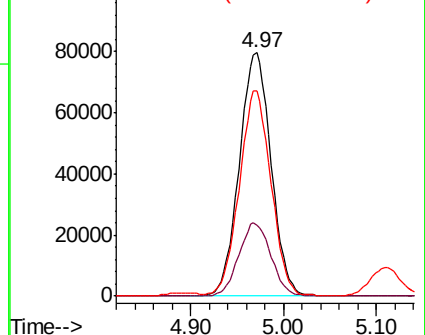
84 84.3 67.0 100.4

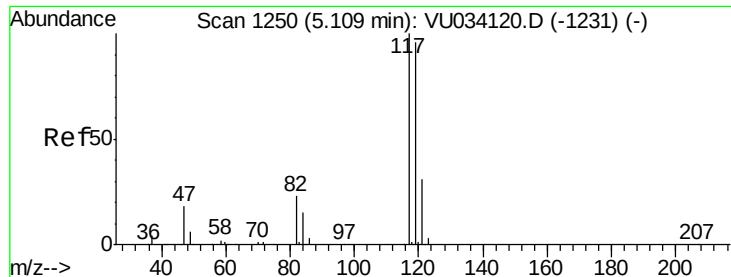


Abundance Ion 56.10 (55.80 to 56.80): VU034120.D (-1186) (-)

Ion 69.15 (68.85 to 69.85): VU034120.D (-1186) (-)

Ion 84.15 (83.85 to 84.85): VU034120.D (-1186) (-)

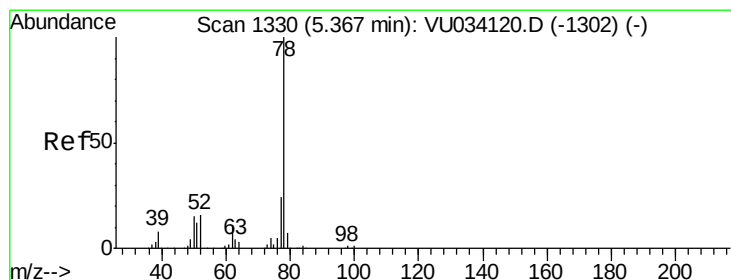
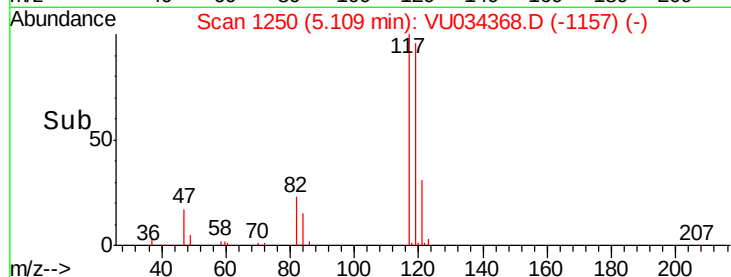
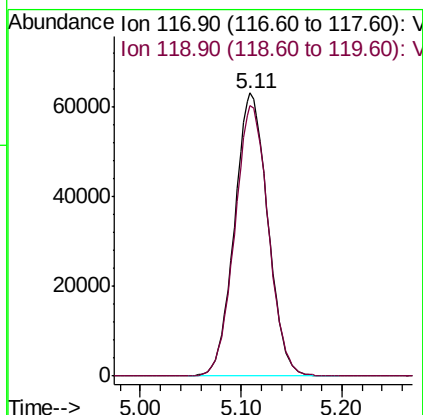
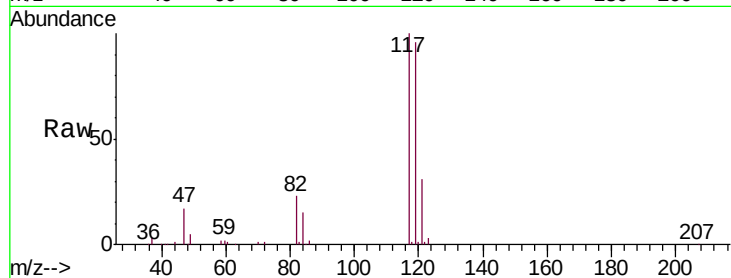




#31
Carbon tetrachloride
Concen: 5.109 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034368.D
Acq: 07 Sep 2019 09:58

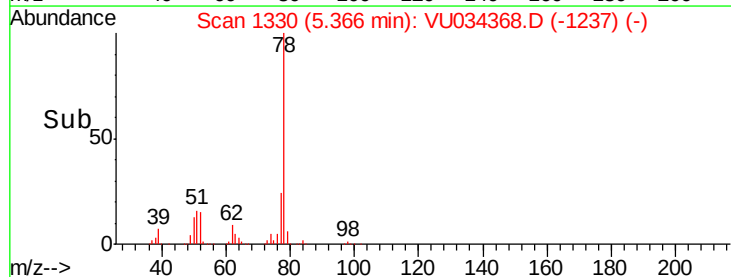
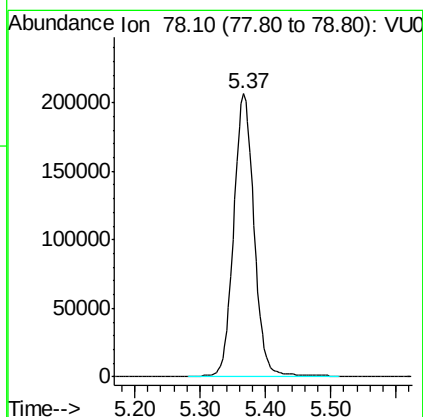
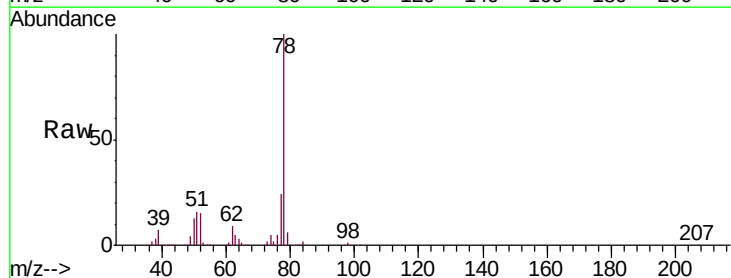
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

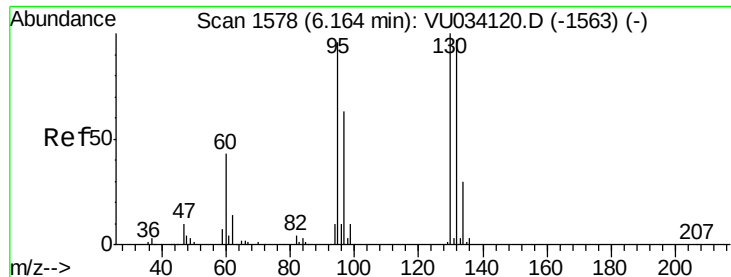
Tgt Ion:117 Resp: 144258
Ion Ratio Lower Upper
117 100
119 96.5 77.1 115.7



#33
Benzene
Concen: 5.099 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034368.D
Acq: 07 Sep 2019 09:58

Tgt Ion: 78 Resp: 449131





#34

Trichloroethene

Concen: 5.054 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

Tgt Ion: 95 Resp: 114720

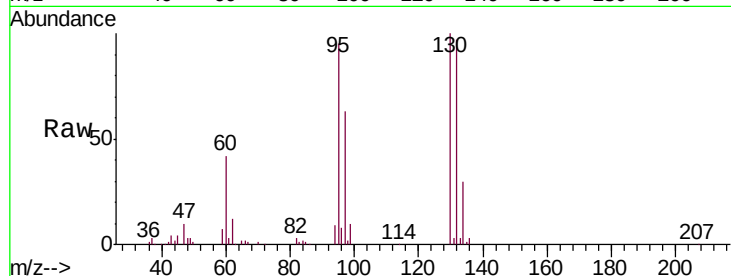
Ion Ratio Lower Upper

95 100

97 65.6 43.3 80.5

132 101.9 68.6 127.4

130 104.8 70.5 130.9

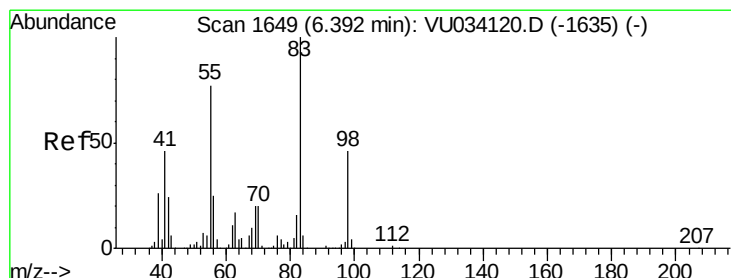
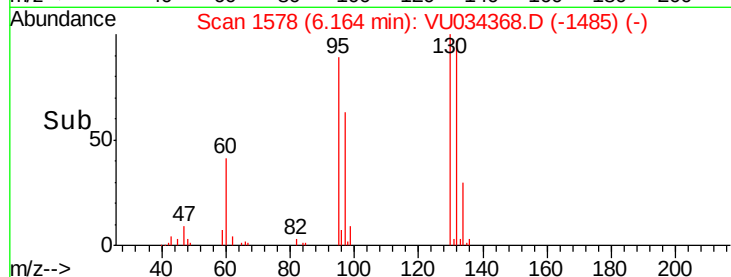
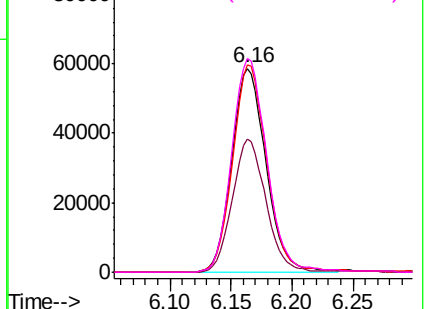


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.187 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

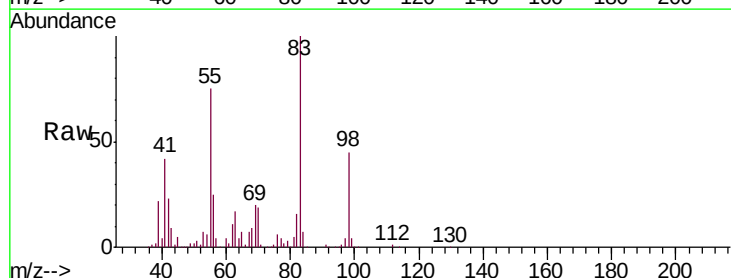
Tgt Ion: 83 Resp: 195114

Ion Ratio Lower Upper

83 100

55 76.4 62.6 94.0

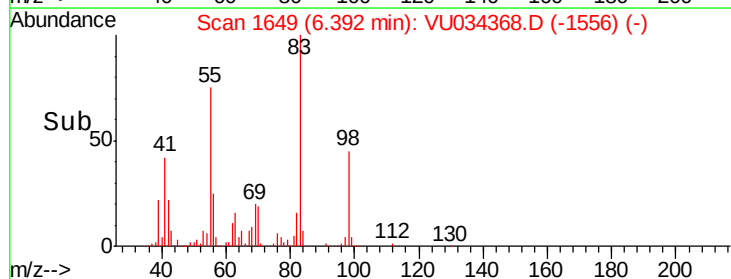
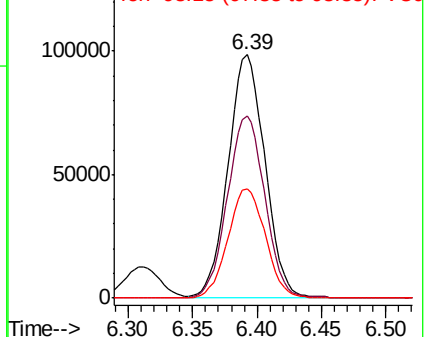
98 45.8 36.2 54.2

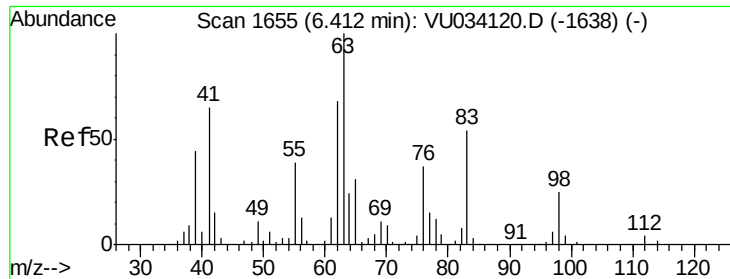


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

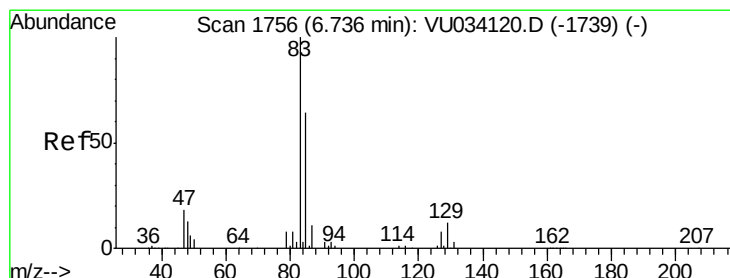
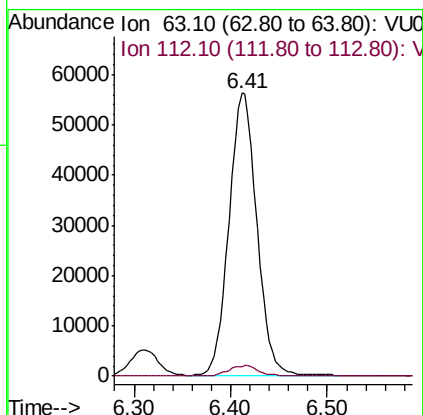
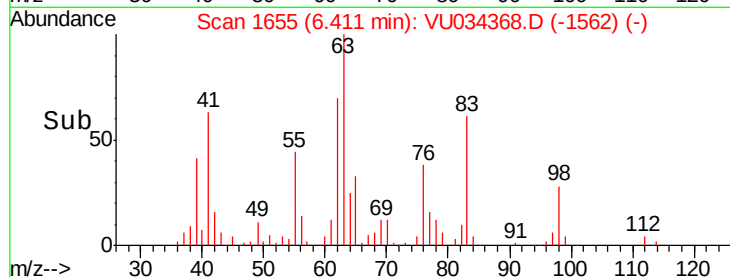
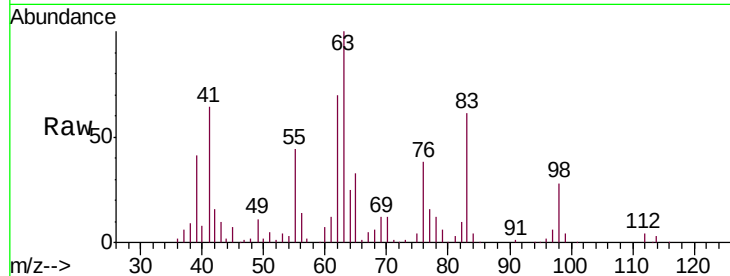




#37
 1,2-Dichloropropane
 Concen: 4.962 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

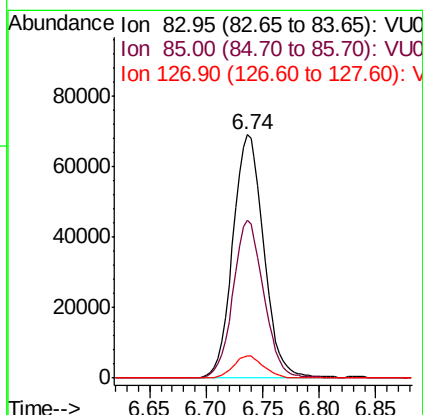
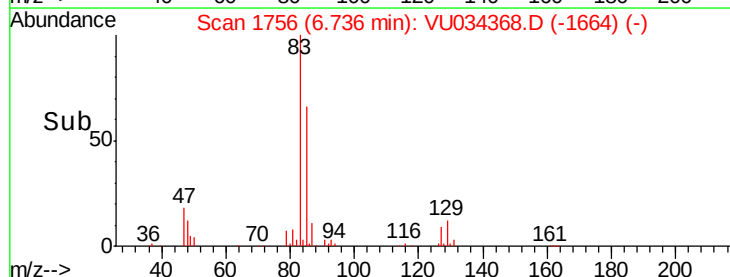
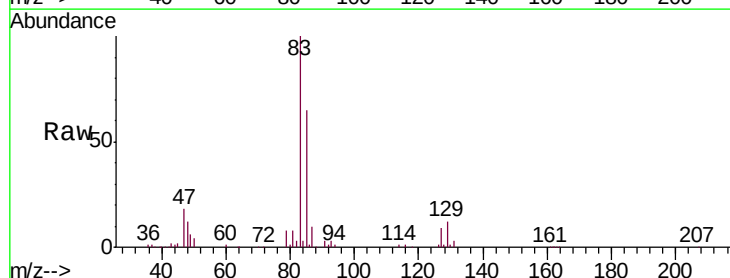
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

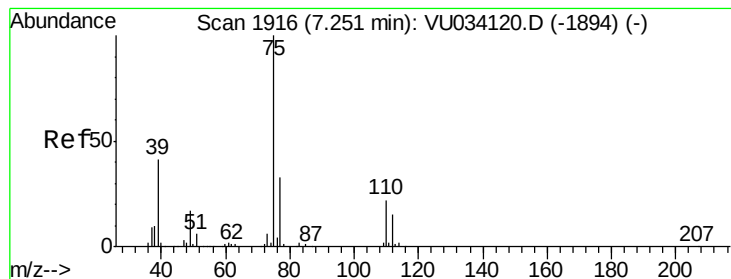
Tgt Ion: 63 Resp: 112588
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.999 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Tgt Ion: 83 Resp: 132129
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.0 81.8
 127 9.1 6.9 10.3



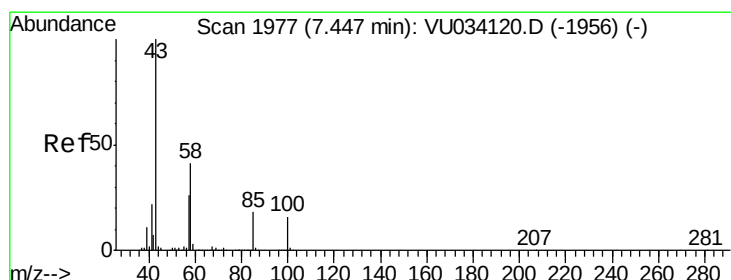
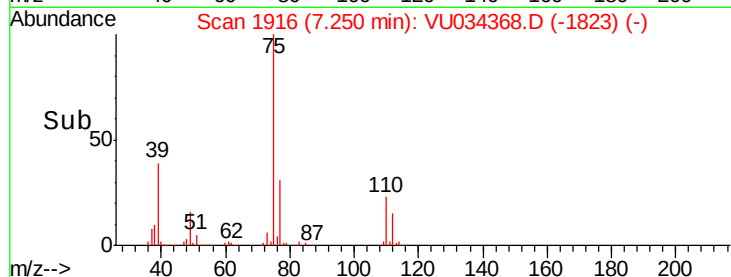
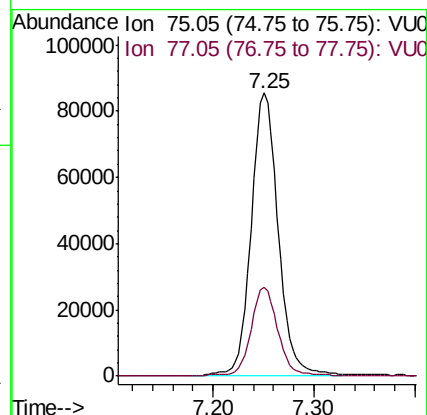
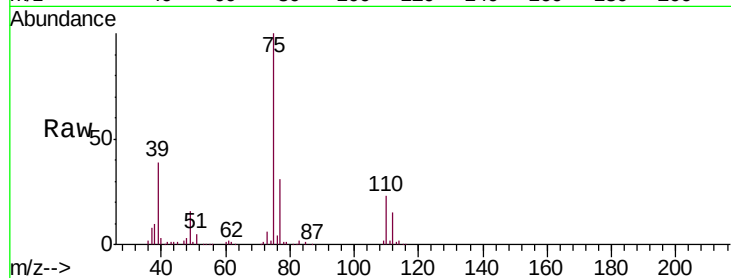


#39

cis-1,3-Dichloropropene
 Concen: 5.013 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

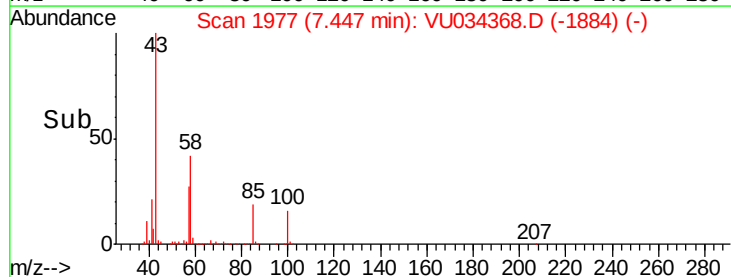
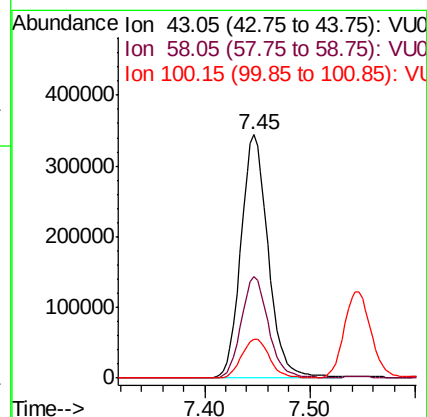
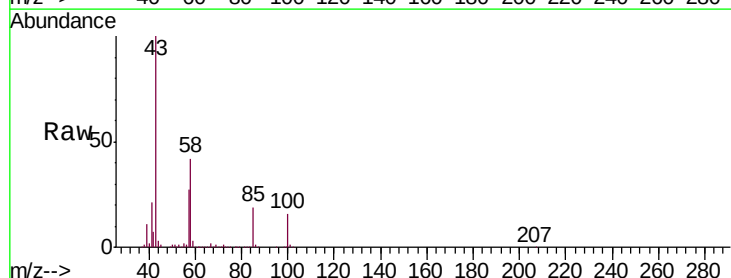
Tgt Ion: 75 Resp: 158590
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.2 43.2

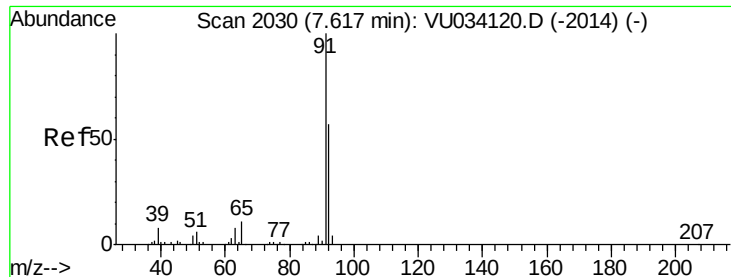


#40

4-Methyl-2-pentanone
 Concen: 48.763 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Tgt Ion: 43 Resp: 613928
 Ion Ratio Lower Upper
 43 100
 58 41.9 32.4 48.6
 100 16.4 12.2 18.2





#42

Toluene

Concen: 5.199 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

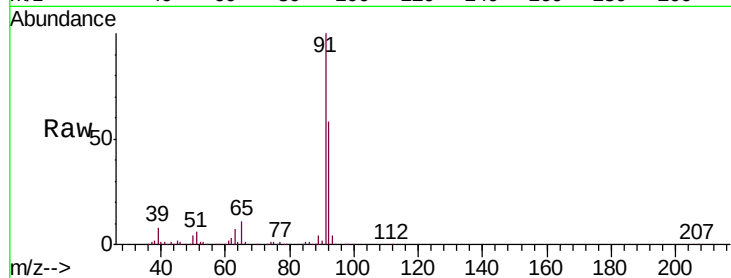
VSTD00517

Tgt Ion: 91 Resp: 483206

Ion Ratio Lower Upper

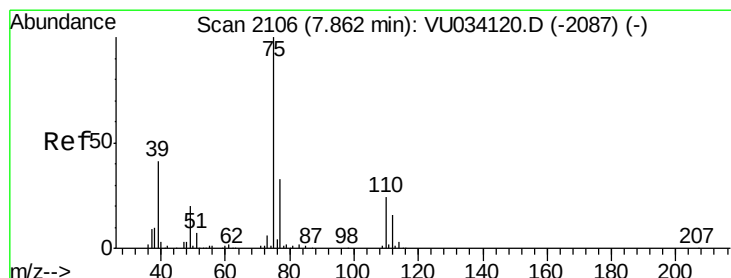
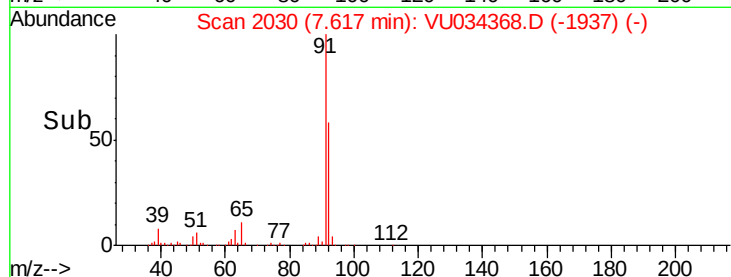
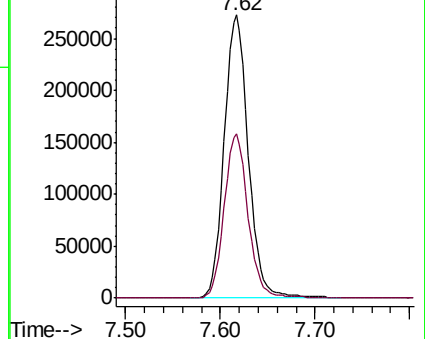
91 100

92 58.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU034120.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034120.D (-2014) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.127 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034368.D

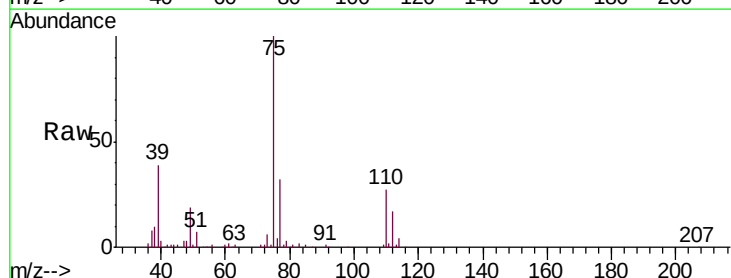
Acq: 07 Sep 2019 09:58

Tgt Ion: 75 Resp: 120534

Ion Ratio Lower Upper

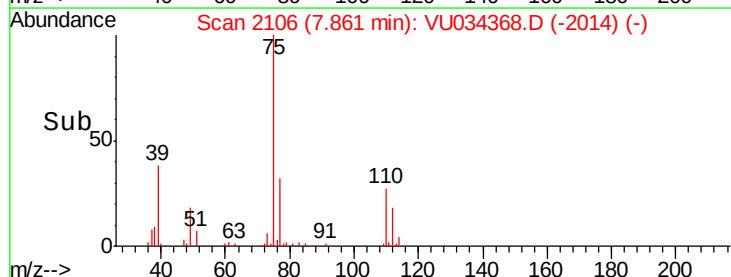
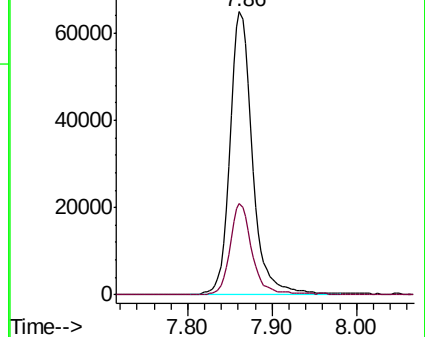
75 100

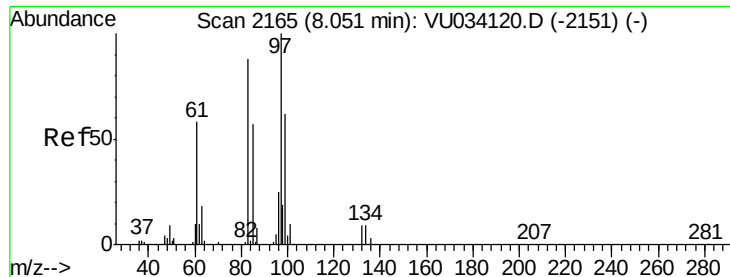
77 32.2 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU034120.D (-2087) (-)

Ion 77.05 (76.75 to 77.75): VU034120.D (-2087) (-)





#45

1,1,2-Trichloroethane

Concen: 5.123 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

Tgt Ion: 97 Resp: 74554

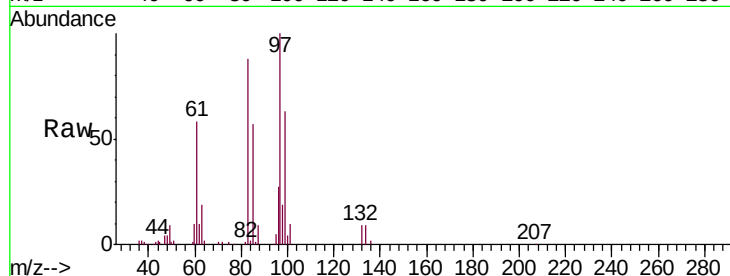
Ion Ratio Lower Upper

97 100

99 63.2 45.5 84.5

83 87.8 61.5 114.3

85 56.8 40.0 74.2

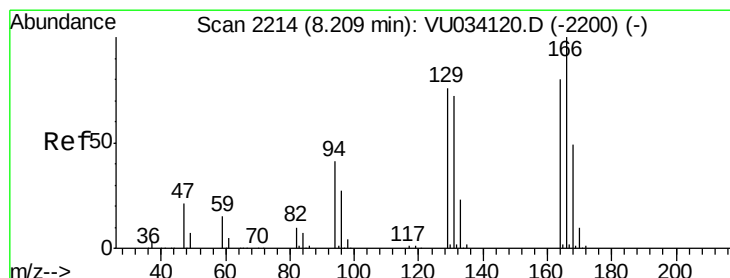
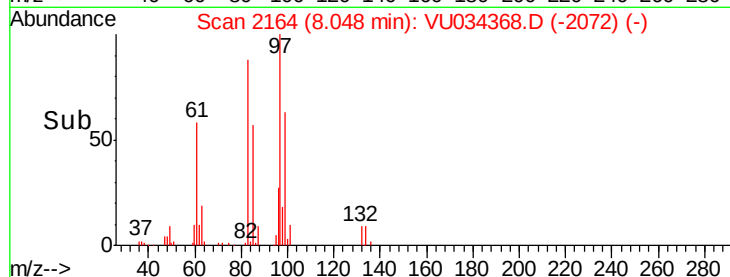
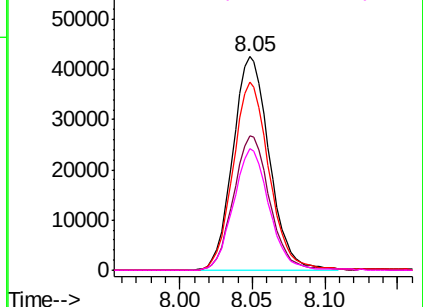


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.272 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Tgt Ion: 164 Resp: 98360

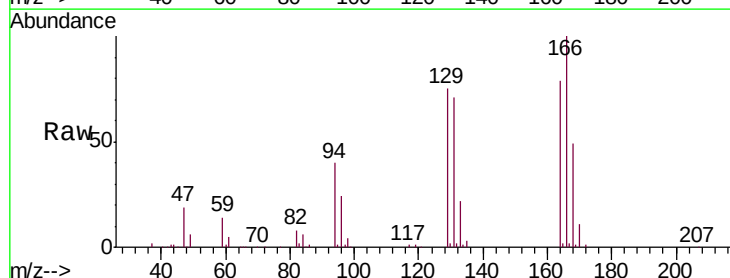
Ion Ratio Lower Upper

164 100

129 94.4 68.0 126.2

131 89.6 64.6 120.0

166 126.7 92.0 170.8

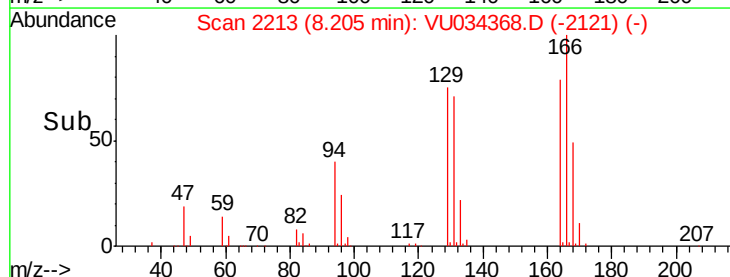
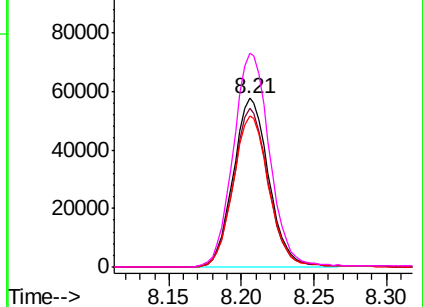


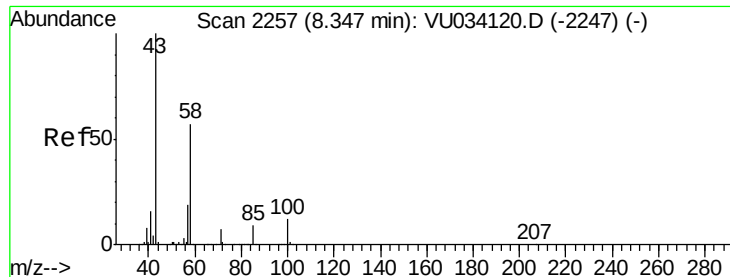
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

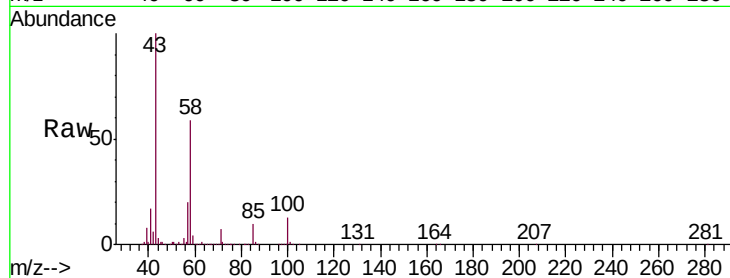




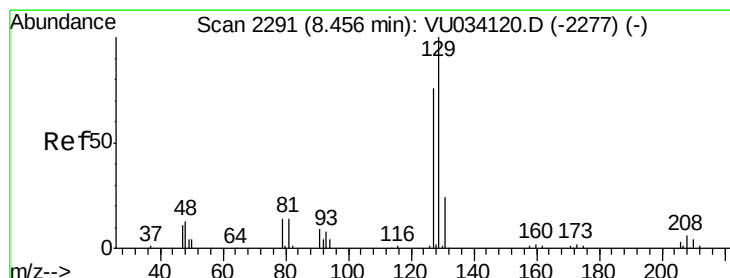
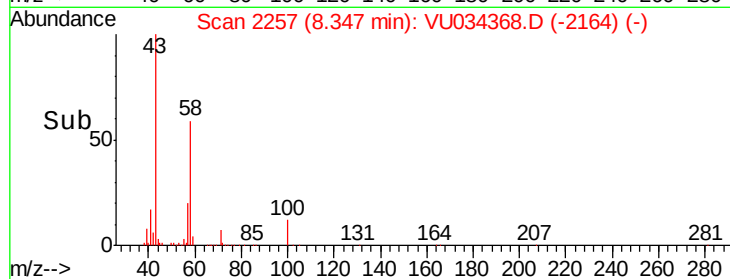
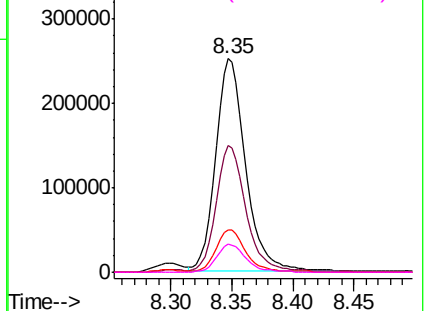
#48
 2-Hexanone
 Concen: 49.486 ug/L
 RT: 8.35 min Scan# 2257
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion:	43	Resp:	433897
Ion	Ratio	Lower	Upper
43	100		
58	59.7	44.9	67.3
57	19.9	15.0	22.6
100	13.3	9.2	13.8

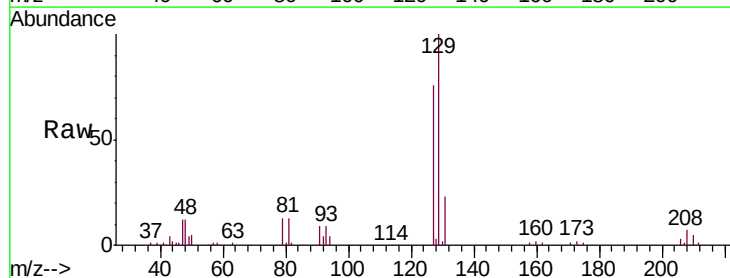


Abundance Ion 43.05 (42.75 to 43.75): VU034120.D (-2247) (-)
 Ion 58.05 (57.75 to 58.75): VU034120.D (-2247) (-)
 Ion 57.20 (56.90 to 57.90): VU034120.D (-2247) (-)
 Ion 100.15 (99.85 to 100.85): VU034120.D (-2247) (-)

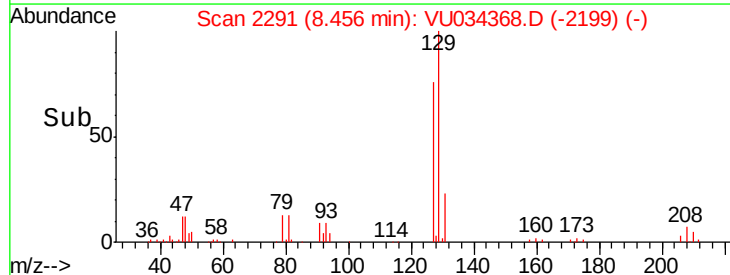
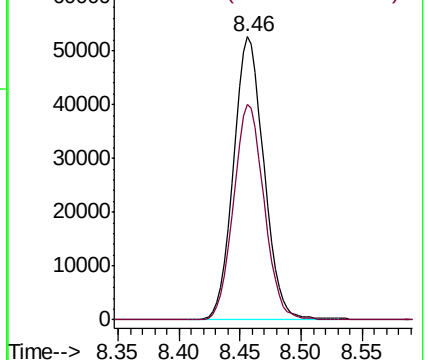


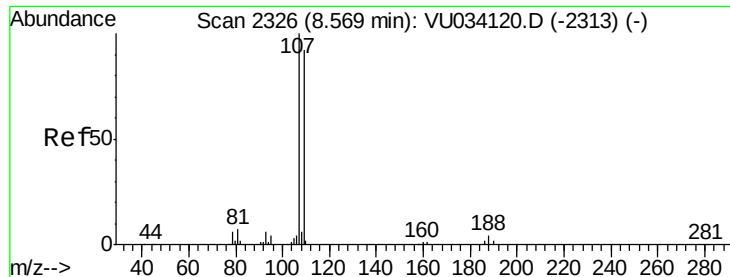
#49
 Dibromochloromethane
 Concen: 5.280 ug/L
 RT: 8.46 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Tgt Ion:	129	Resp:	91162
Ion	Ratio	Lower	Upper
129	100		
127	76.3	54.2	100.6



Abundance Ion 128.95 (128.65 to 129.65): VU034120.D (-2277) (-)
 Ion 126.90 (126.60 to 127.60): VU034120.D (-2277) (-)

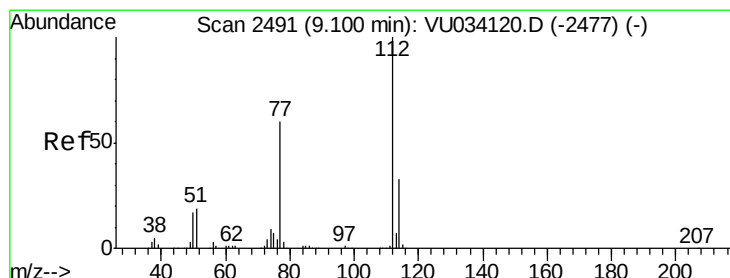
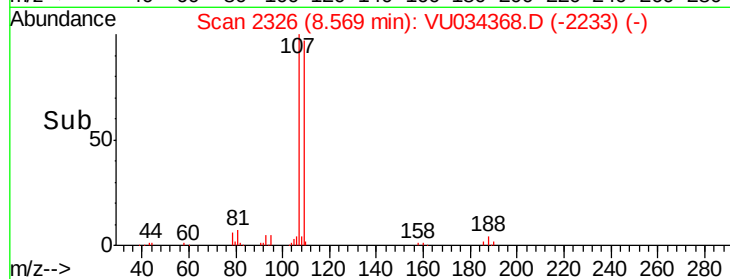
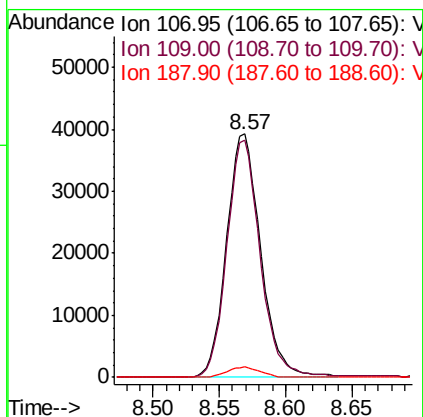
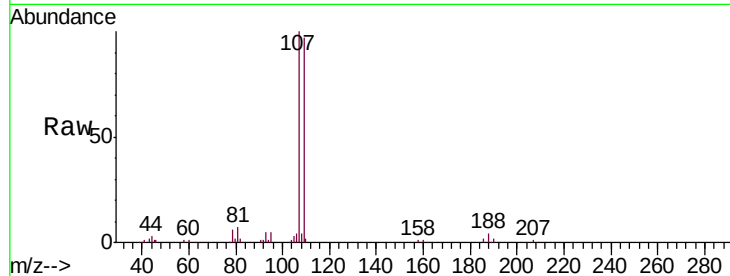




#50
 1,2-Dibromoethane
 Concen: 5.098 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

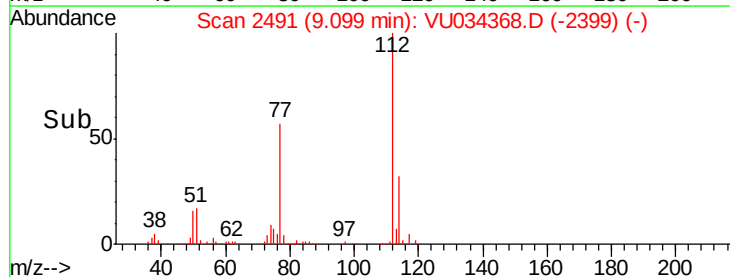
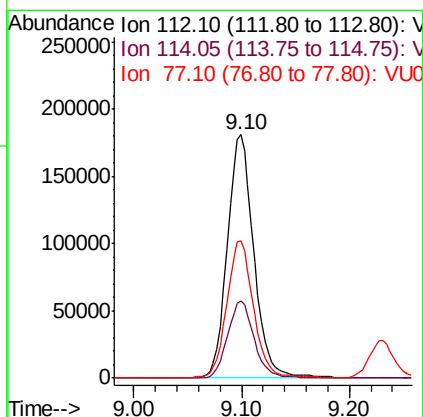
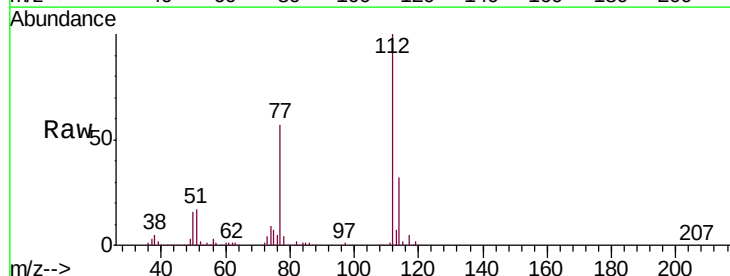
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

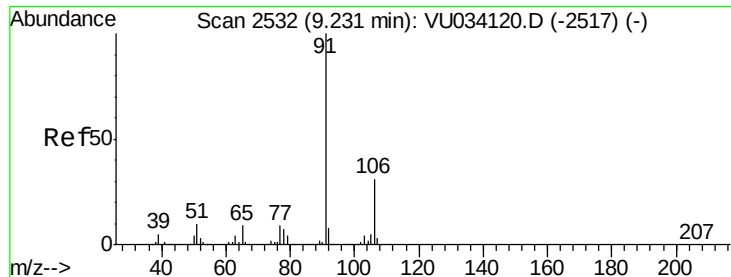
Tgt Ion:107 Resp: 70209
 Ion Ratio Lower Upper
 107 100
 109 97.3 66.4 123.2
 188 4.2 3.4 5.0



#51
 Chlorobenzene
 Concen: 5.226 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Tgt Ion:112 Resp: 309784
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.6 42.0
 77 56.5 46.3 69.5





#52

Ethylbenzene

Concen: 5.150 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

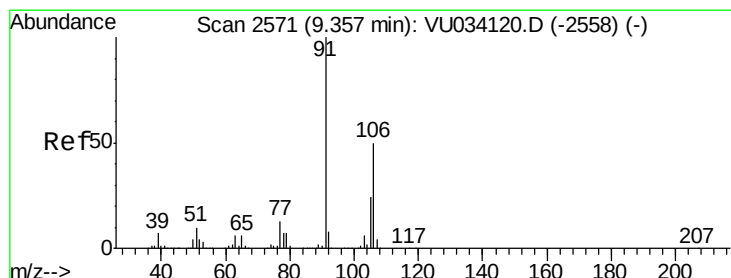
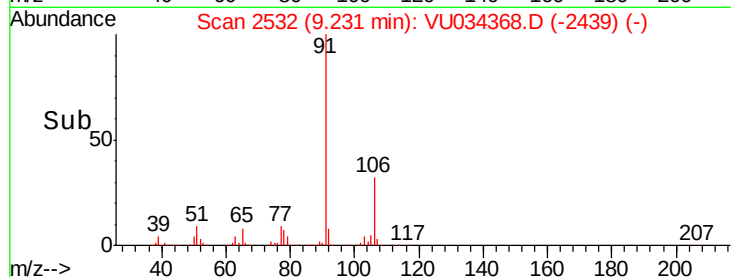
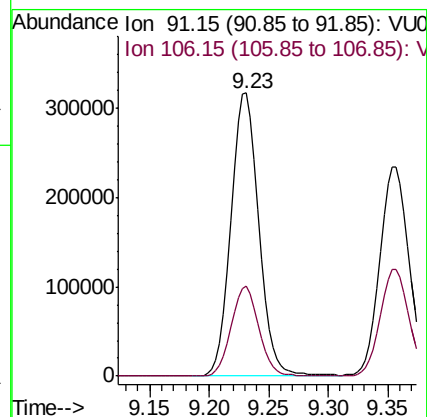
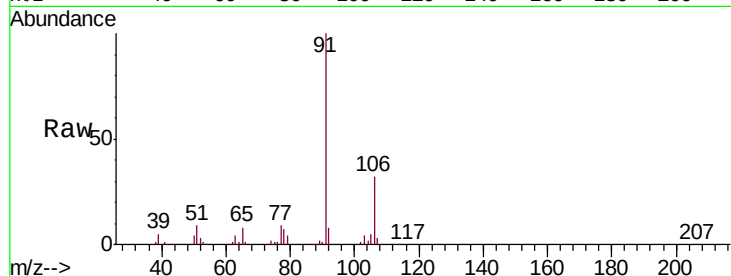
VSTD00517

Tgt Ion: 91 Resp: 517231

Ion Ratio Lower Upper

91 100

106 31.7 21.4 39.8



#53

m,p-Xylene

Concen: 5.273 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU034368.D

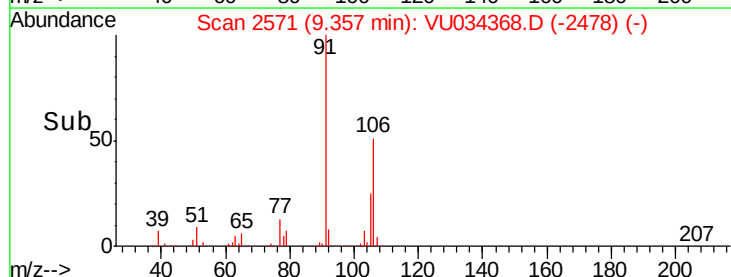
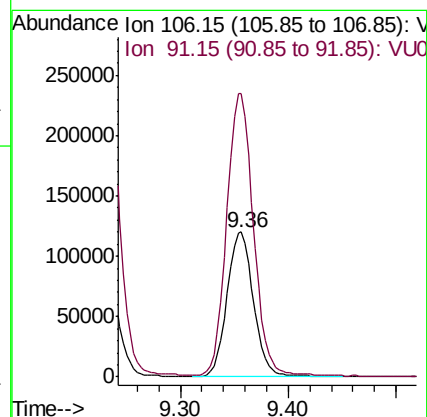
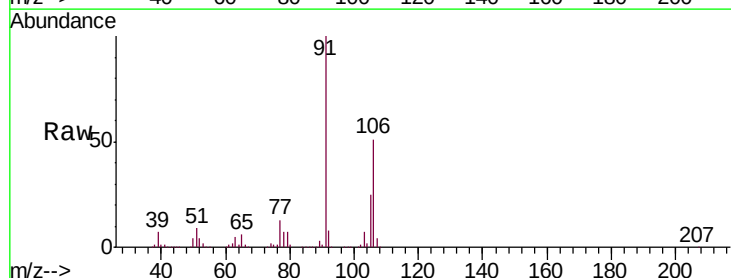
Acq: 07 Sep 2019 09:58

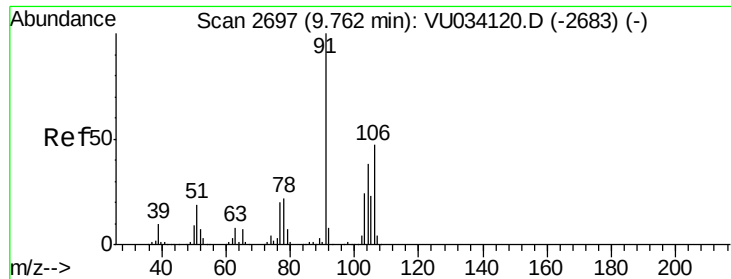
Tgt Ion: 106 Resp: 203566

Ion Ratio Lower Upper

106 100

91 195.7 143.4 266.4

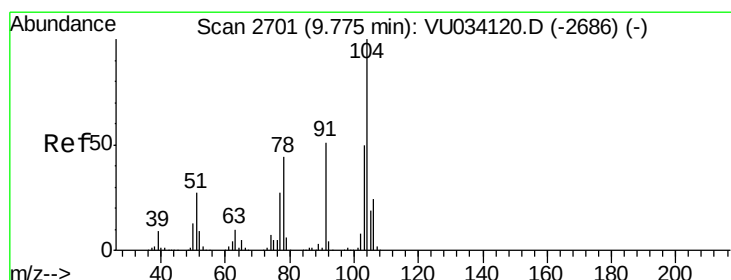
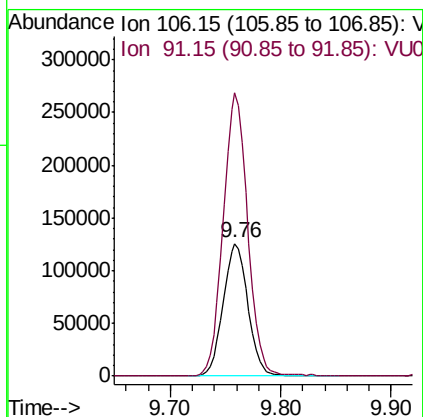
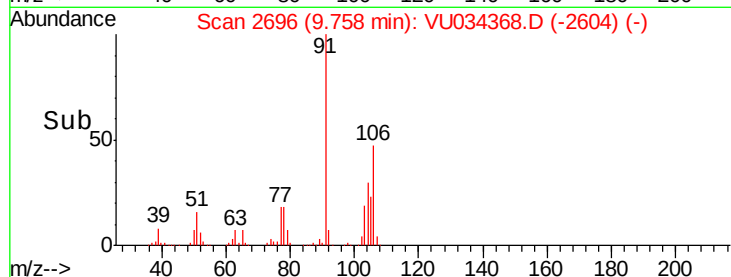
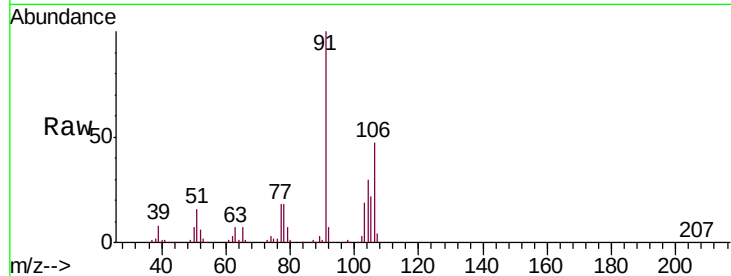




#54
o-Xylene
Concen: 5.310 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034368.D
Acq: 07 Sep 2019 09:58

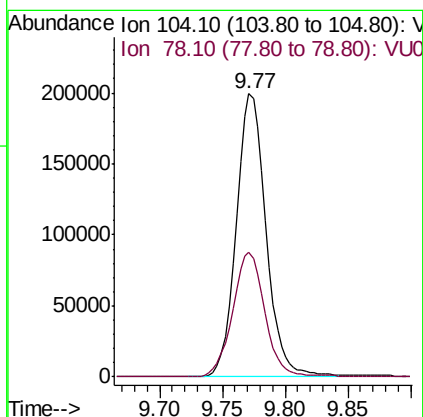
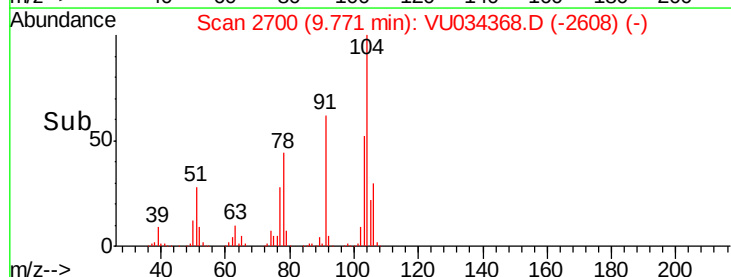
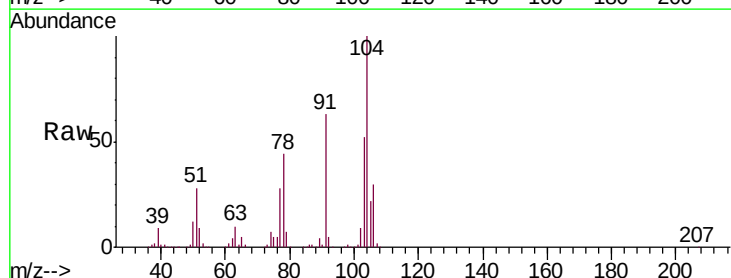
Instrument :
MSVOA_U
ClientSampleId :
VSTD00517

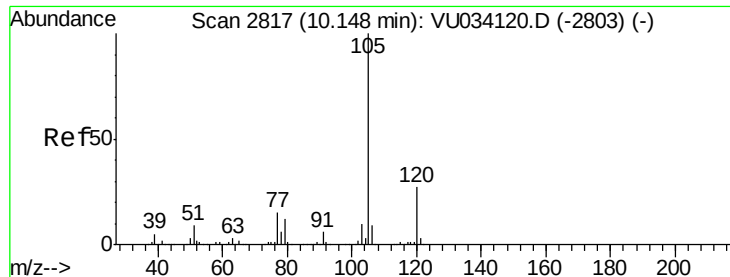
Tgt Ion:106 Resp: 196441
Ion Ratio Lower Upper
106 100
91 213.7 147.6 274.0



#55
Styrene
Concen: 5.336 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034368.D
Acq: 07 Sep 2019 09:58

Tgt Ion:104 Resp: 329715
Ion Ratio Lower Upper
104 100
78 43.9 31.6 58.6





#56

Isopropylbenzene

Concen: 5.264 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

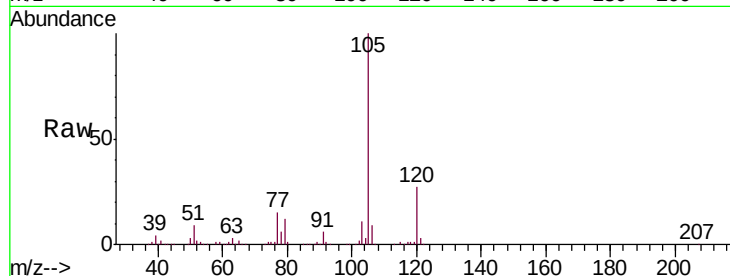
Tgt Ion: 105 Resp: 518044

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.4

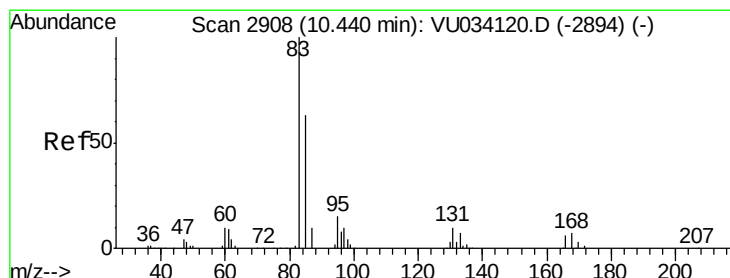
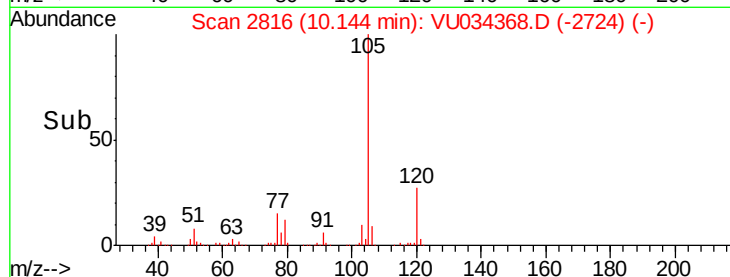
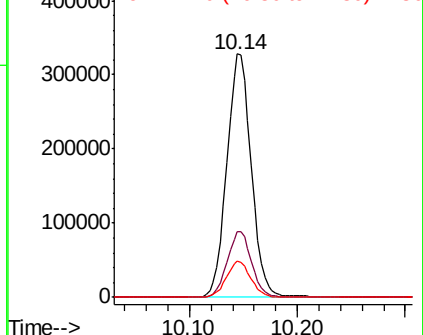
77 14.8 12.2 18.4



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: 5.049 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

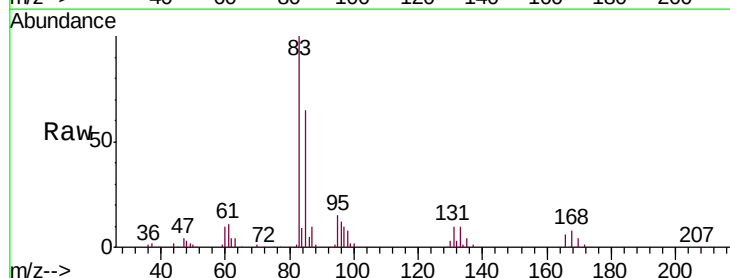
Tgt Ion: 83 Resp: 94489

Ion Ratio Lower Upper

83 100

85 65.3 45.2 84.0

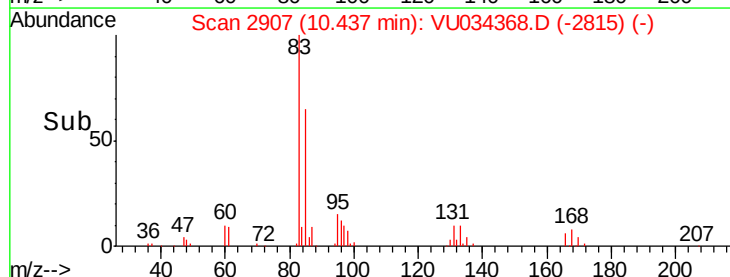
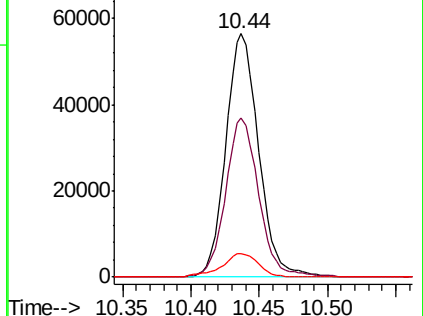
131 9.6 7.9 11.9

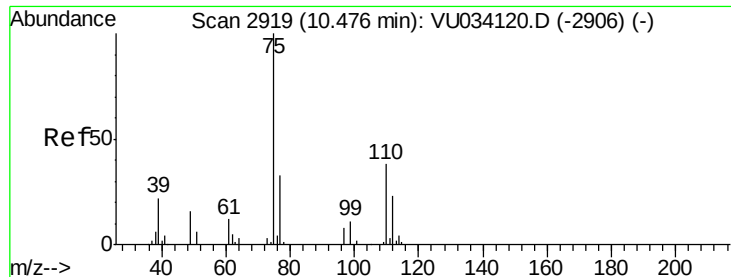


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.002 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

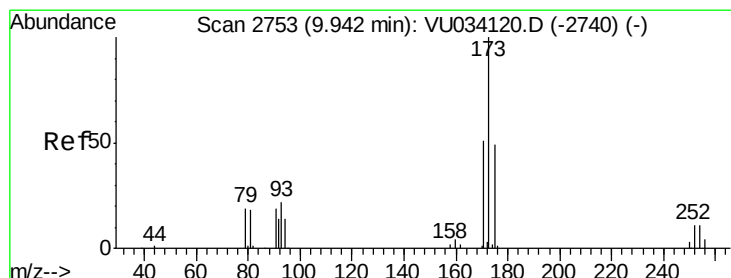
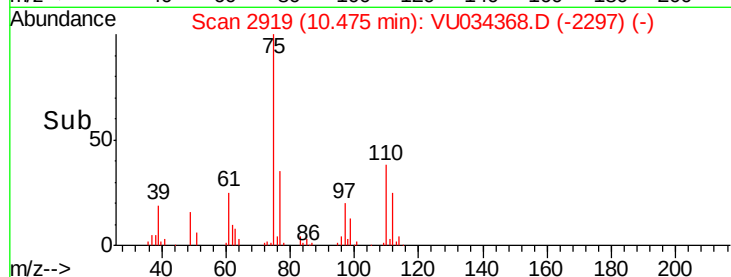
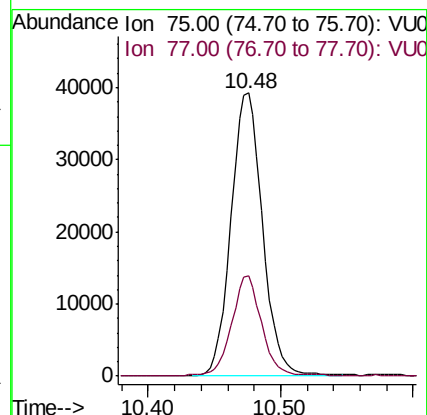
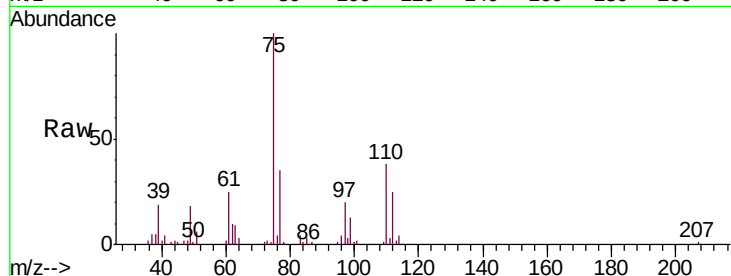
VSTD00517

Tgt Ion: 75 Resp: 64998

Ion Ratio Lower Upper

75 100

77 33.6 26.0 39.0



#61

Bromoform

Concen: 5.142 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

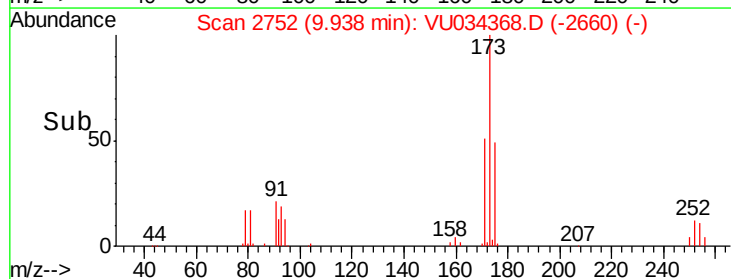
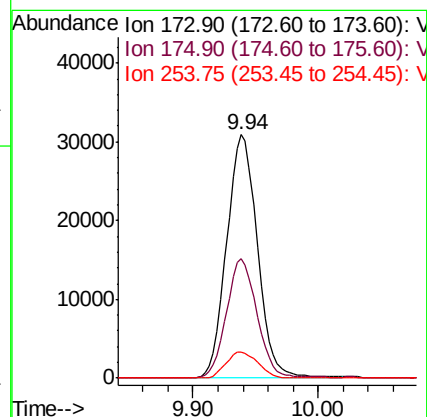
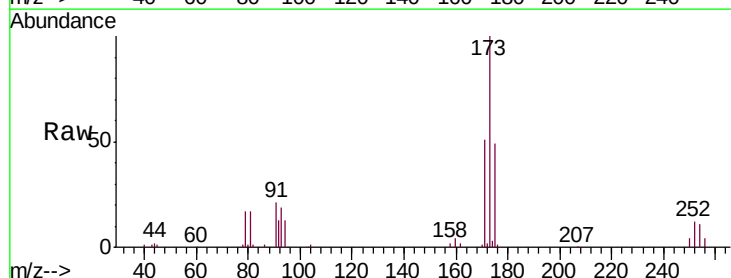
Tgt Ion: 173 Resp: 52682

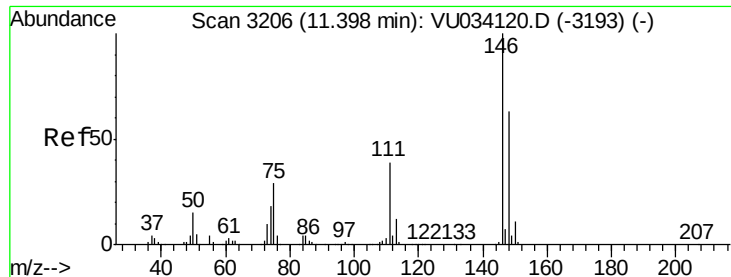
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.4

254 11.1 8.7 13.1

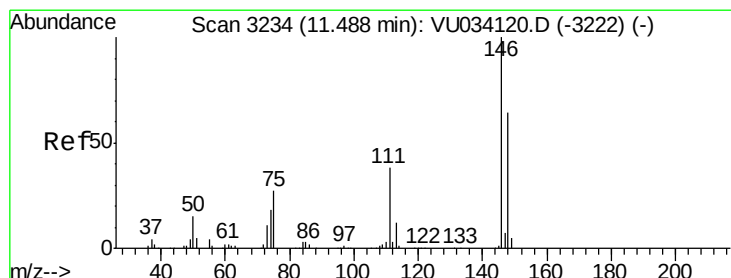
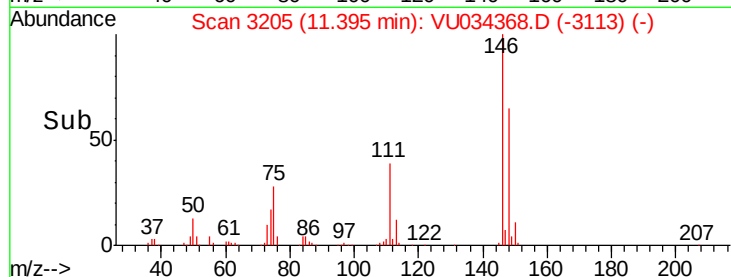
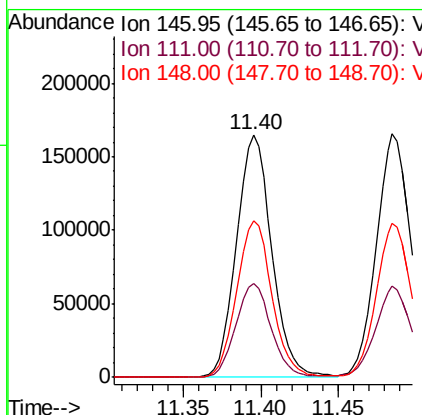
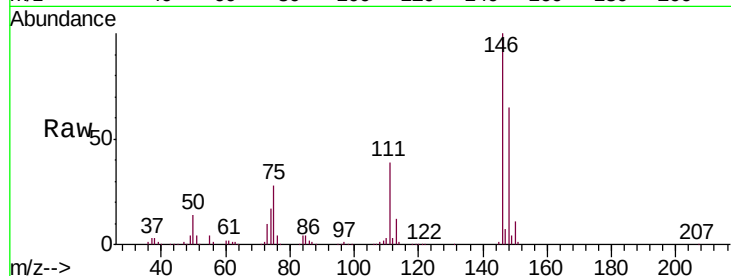




#62
 1,3-Dichlorobenzene
 Concen: 5.133 ug/L
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

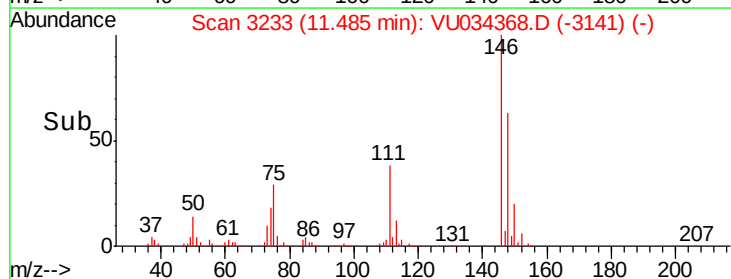
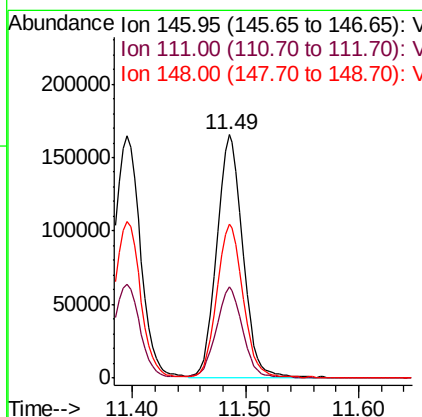
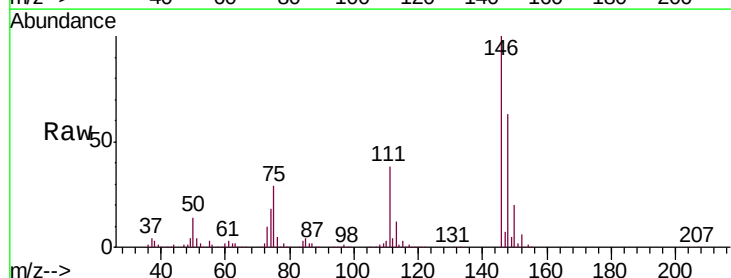
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

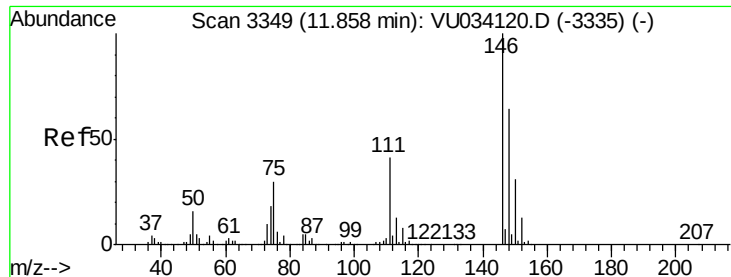
Tgt Ion:146 Resp: 261908
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.6 51.4
 148 64.5 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 5.134 ug/L
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Tgt Ion:146 Resp: 264119
 Ion Ratio Lower Upper
 146 100
 111 37.5 26.5 49.3
 148 63.1 44.0 81.8

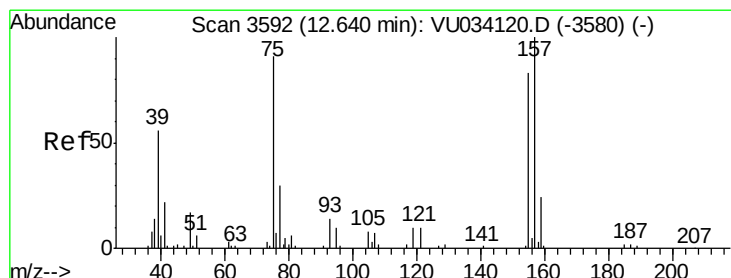
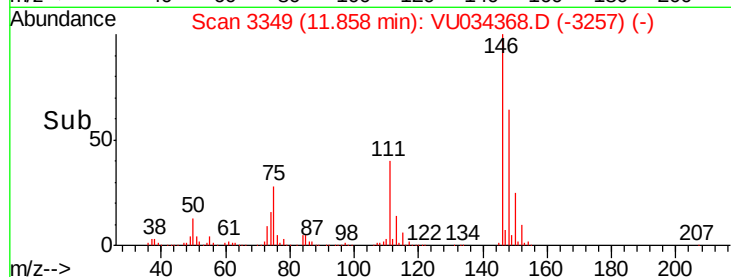
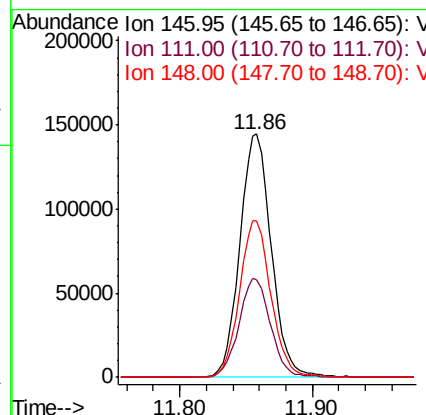
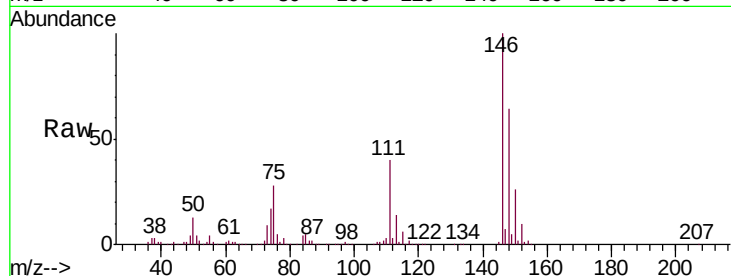




#65
 1,2-Dichlorobenzene
 Concen: 5.101 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

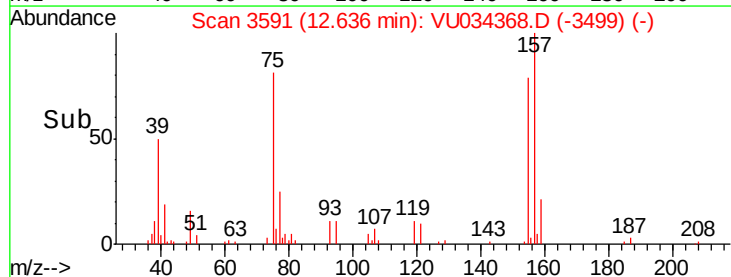
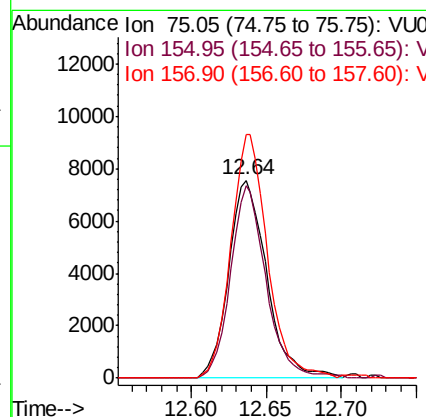
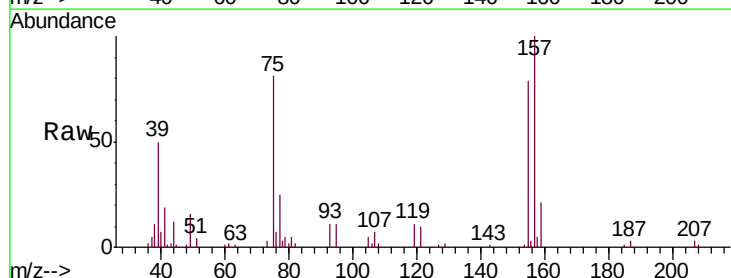
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

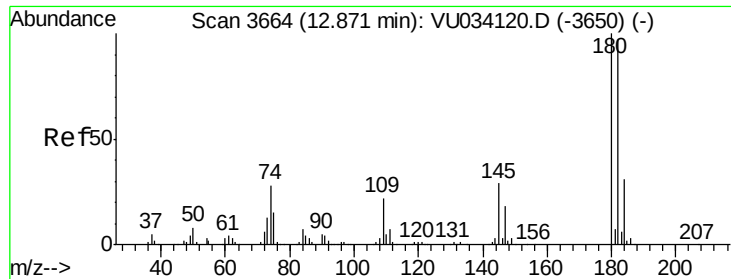
Tgt Ion:146 Resp: 238541
 Ion Ratio Lower Upper
 146 100
 111 40.3 32.8 49.2
 148 64.3 49.4 74.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.742 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Tgt Ion: 75 Resp: 13427
 Ion Ratio Lower Upper
 75 100
 155 97.2 71.4 107.0
 157 122.8 92.6 138.8

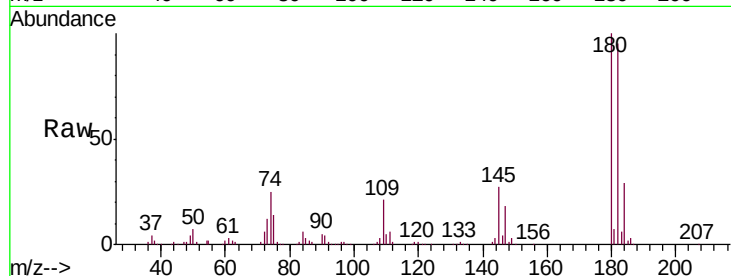




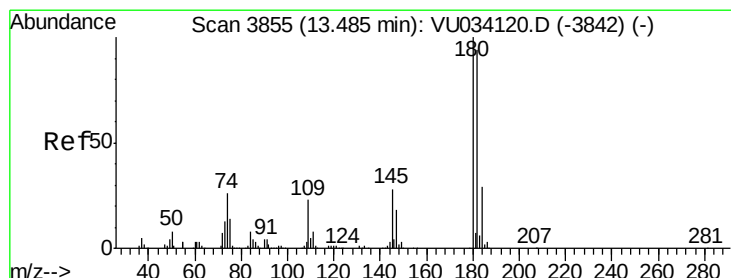
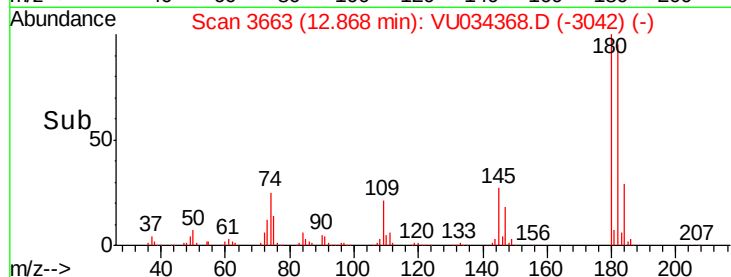
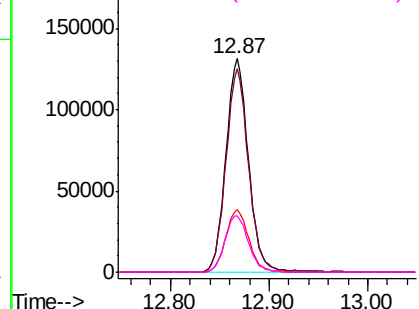
#67
 1,3,5-Trichlorobenzene
 Concen: 5.193 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00517

Tgt Ion:	180	Resp:	212266
Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.0	115.6
184	30.1	24.3	36.5
145	27.5	22.6	33.8

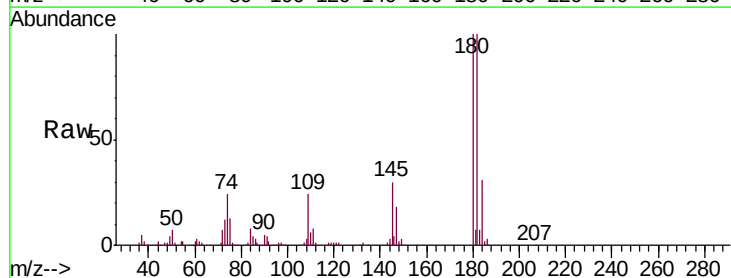


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

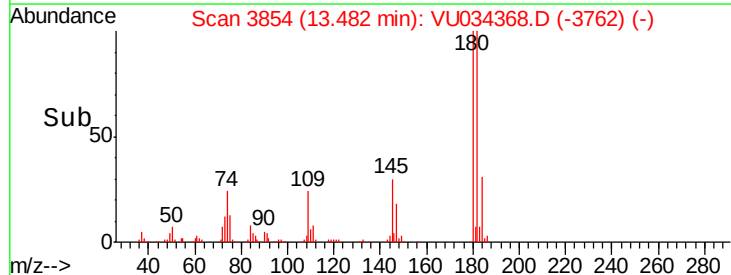
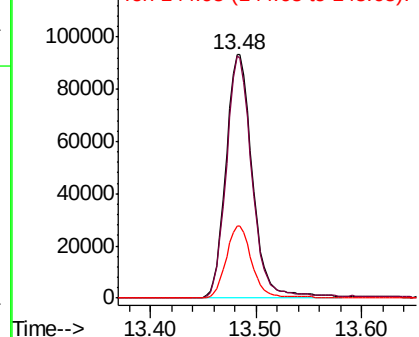


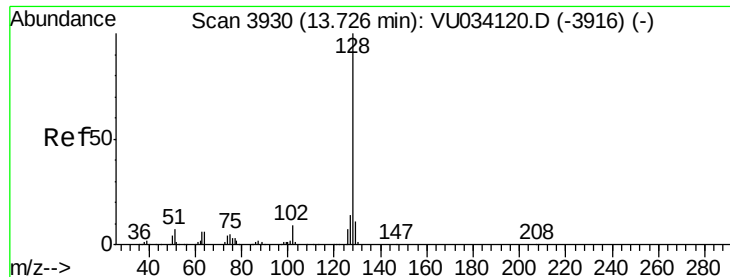
#68
 1,2,4-trichlorobenzene
 Concen: 5.201 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034368.D
 Acq: 07 Sep 2019 09:58

Tgt Ion:	180	Resp:	162938
Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.1	112.7
145	28.1	23.7	35.5



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: 4.924 ug/L

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

Instrument :

MSVOA_U

ClientSampleId :

VSTD00517

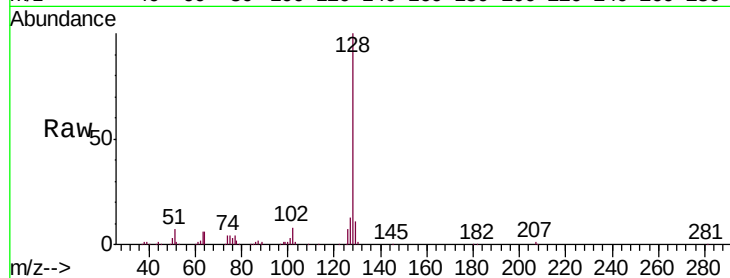
Tgt Ion:128 Resp: 232265

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

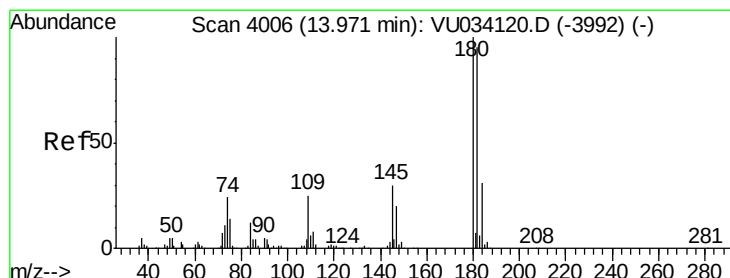
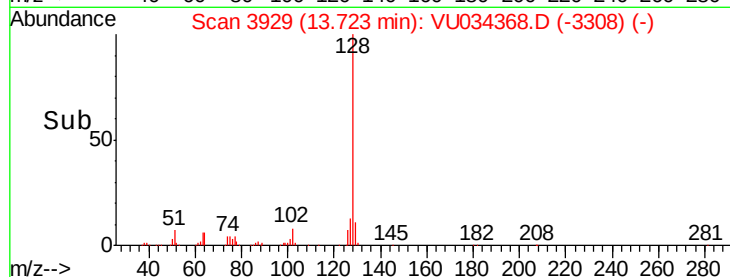
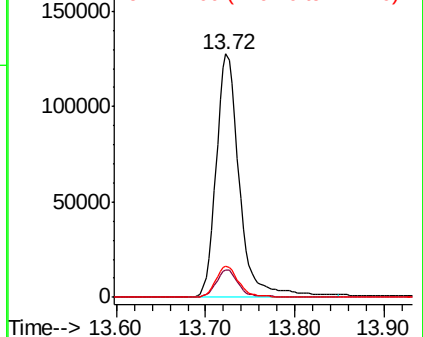
127 12.6 10.3 15.5



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: 5.248 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. -0.00 min

Lab File: VU034368.D

Acq: 07 Sep 2019 09:58

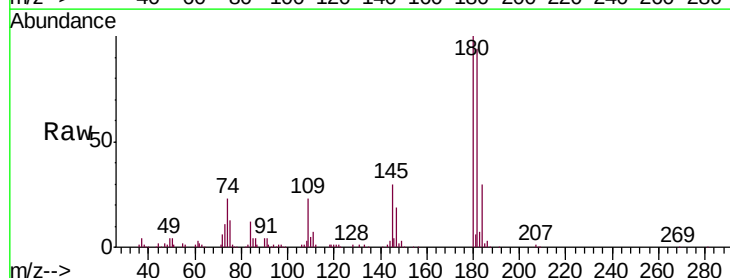
Tgt Ion:180 Resp: 149723

Ion Ratio Lower Upper

180 100

182 93.6 76.8 115.2

145 29.0 24.6 37.0



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

