

Data File : VU034656.D
Acq On : 19 Sep 2019 18:17
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Quant Time: Sep 20 03:46:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 19 17:44:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	481348	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	462799	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	220568	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	244132	49.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.08%
7) Chloroethane-d5	1.67	69	206498	54.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.44%
11) 1,1-Dichloroethene-d2	2.26	63	429858	51.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.02%
21) 2-Butanone-d5	4.16	46	416440	110.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.27%
24) Chloroform-d	4.62	84	370537	51.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.44%
26) 1,2-Dichloroethane-d4	5.29	65	265980	50.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.02%
32) Benzene-d6	5.32	84	722969	50.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.31	67	254312	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.44%
41) Toluene-d8	7.54	98	691456	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%
43) trans-1,3-Dichloropropene-	7.83	79	125088	52.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.18%
47) 2-Hexanone-d5	8.29	63	268849	106.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.76%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	339647	48.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.64%
64) 1,2-Dichlorobenzene-d4	11.84	152	230080	49.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	235782	47.526	ug/L 100
3) Chloromethane	1.32	50	277776	46.743	ug/L 98
5) Vinyl chloride	1.40	62	260122	47.926	ug/L 99
6) Bromomethane	1.62	94	171759	57.942	ug/L 96
8) Chloroethane	1.69	64	156083	49.953	ug/L 97
9) Trichlorofluoromethane	1.87	101	334076	48.816	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	157462	47.988	ug/L 97
12) 1,1-Dichloroethene	2.27	96	157600	50.043	ug/L 92
13) Acetone	2.32	43	346002	78.758	ug/L 98
14) Carbon disulfide	2.46	76	511615	48.147	ug/L 100
15) Methyl Acetate	2.60	43	289047	49.254	ug/L 99
16) Methylene chloride	2.68	84	188131	47.159	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	163644	47.527	ug/L 95
18) Methyl tert-butyl Ether	2.98	73	620163	48.548	ug/L 99
19) 1,1-Dichloroethane	3.42	63	373345	47.266	ug/L 97
20) cis-1,2-Dichloroethene	4.20	96	194180	48.232	ug/L 98
22) 2-Butanone	4.24	43	475893	91.053	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	91297	47.377	ug/L	95
25) Chloroform	4.65	83	369318	47.481	ug/L	98
27) 1,2-Dichloroethane	5.38	62	323342	48.123	ug/L	99
29) Cyclohexane	4.97	56	366083	47.924	ug/L	100
30) 1,1,1-Trichloroethane	4.89	97	299928	47.616	ug/L	99
31) Carbon tetrachloride	5.11	117	256419	47.765	ug/L	98
33) Benzene	5.37	78	780604	48.633	ug/L	100
34) Trichloroethene	6.16	95	189693	47.853	ug/L	97
35) Methylcyclohexane	6.39	83	324633	48.258	ug/L	98
37) 1,2-Dichloropropane	6.41	63	227072	47.511	ug/L #	97
38) Bromodichloromethane	6.73	83	276139	47.643	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	351004	48.878	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	887973	97.316	ug/L	99
42) Toluene	7.61	91	826574	47.650	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	321796	49.707	ug/L	99
45) 1,1,2-Trichloroethane	8.04	97	183683	47.980	ug/L	96
46) Tetrachloroethene	8.21	164	135024	48.424	ug/L	94
48) 2-Hexanone	8.34	43	673239	94.469	ug/L	98
49) Dibromochloromethane	8.45	129	206817	48.467	ug/L	99
50) 1,2-Dibromoethane	8.57	107	200260	48.536	ug/L	100
51) Chlorobenzene	9.10	112	497934	47.220	ug/L	98
52) Ethylbenzene	9.23	91	930437	47.632	ug/L	99
53) m,p-Xylene	9.35	106	330405	47.755	ug/L	97
54) o-xylene	9.76	106	327069	47.794	ug/L	98
55) Styrene	9.77	104	557152	48.098	ug/L	98
56) Isopropylbenzene	10.14	105	871520	47.232	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	347732	47.291	ug/L	97
59) 1,2,3-Trichloropropane	10.47	75	276480	46.316	ug/L	100
61) Bromoform	9.94	173	150191	49.456	ug/L	99
62) 1,3-Dichlorobenzene	11.39	146	365627	47.867	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	368502	47.358	ug/L	99
65) 1,2-Dichlorobenzene	11.85	146	369316	47.852	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	81976	49.971	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	253254	49.484	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	224524	55.787	ug/L	98
69) Naphthalene	13.72	128	805345	57.803	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	225954	54.563	ug/L	98

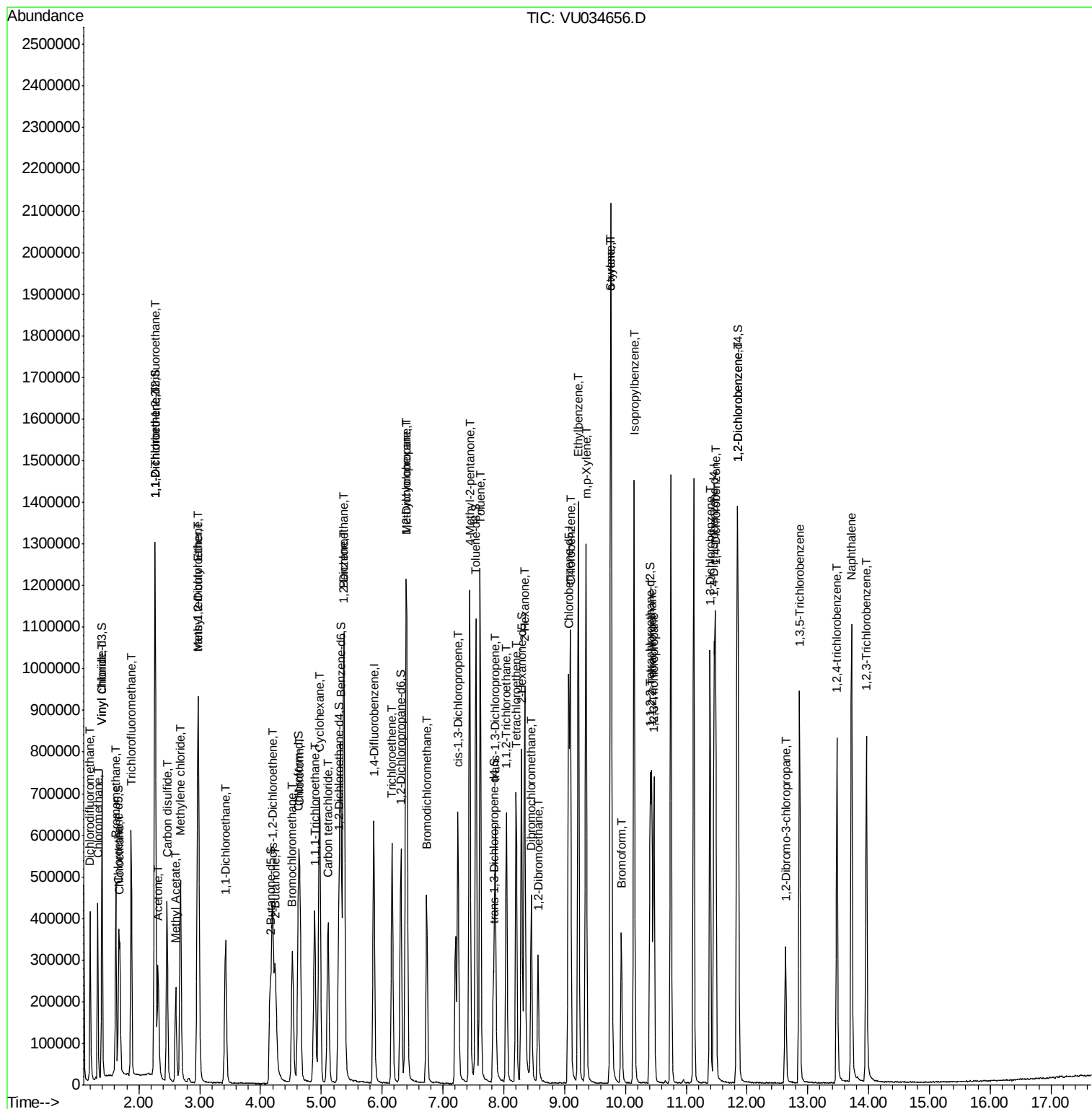
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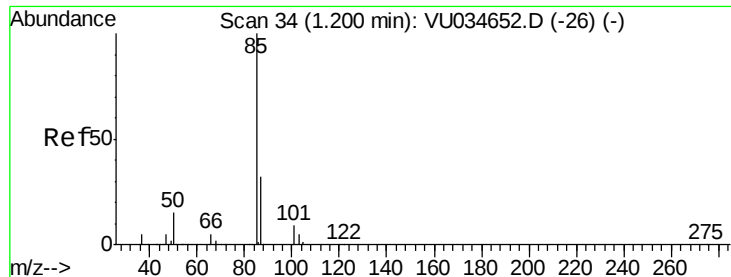
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#2

Dichlorodifluoromethane

Concen: 47.526 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

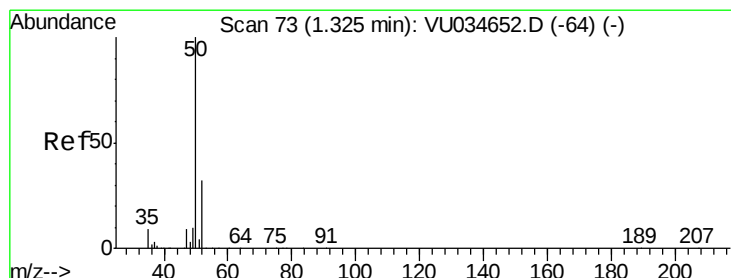
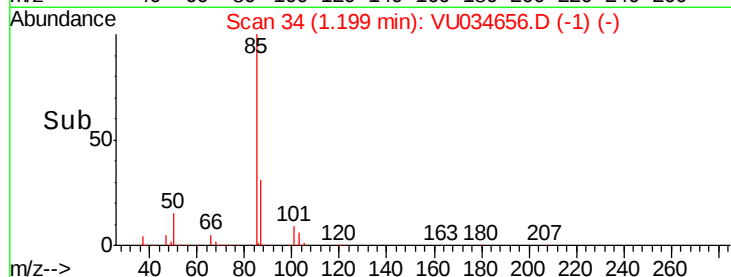
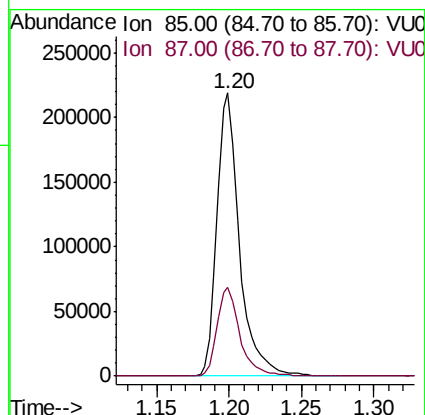
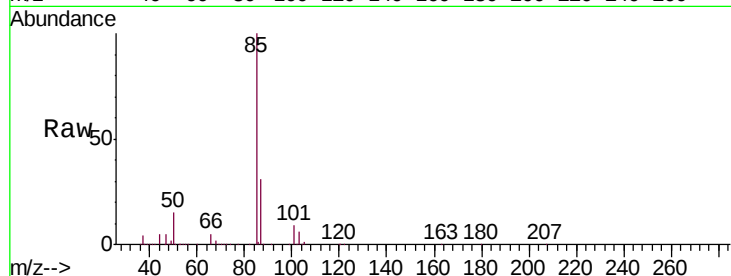
VSTD05058

Tgt Ion: 85 Resp: 235782

Ion Ratio Lower Upper

85 100

87 31.8 25.5 38.3



#3

Chloromethane

Concen: 46.743 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034656.D

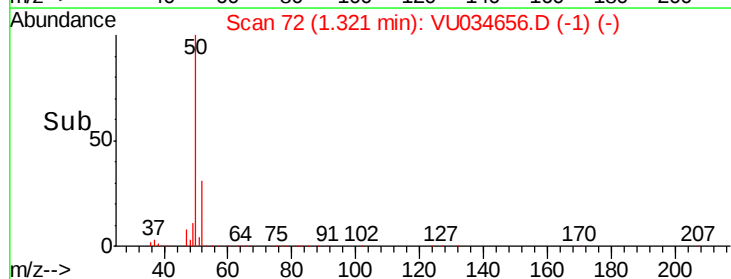
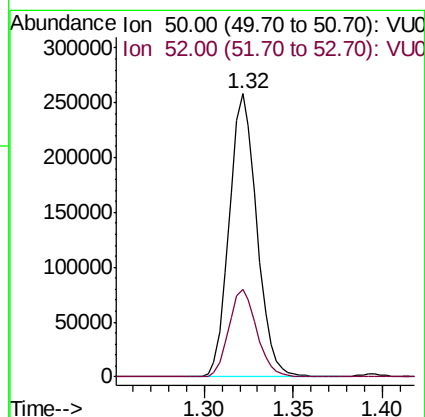
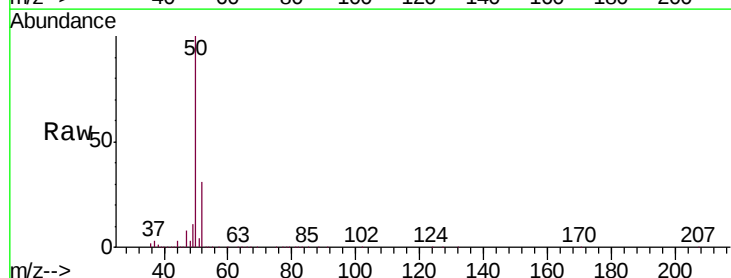
Acq: 19 Sep 2019 18:17

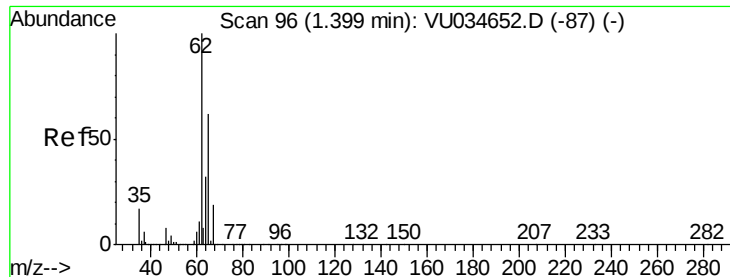
Tgt Ion: 50 Resp: 277776

Ion Ratio Lower Upper

50 100

52 31.1 22.7 42.1





#5

Vinyl chloride

Concen: 47.926 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

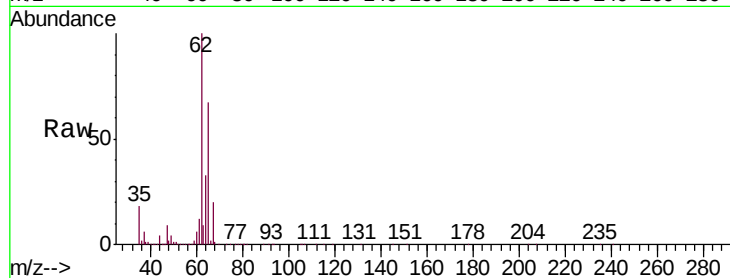
VSTD05058

Tgt Ion: 62 Resp: 260122

Ion Ratio Lower Upper

62 100

64 32.5 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU034656.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU034656.D (-87) (-)

1.40

250000

200000

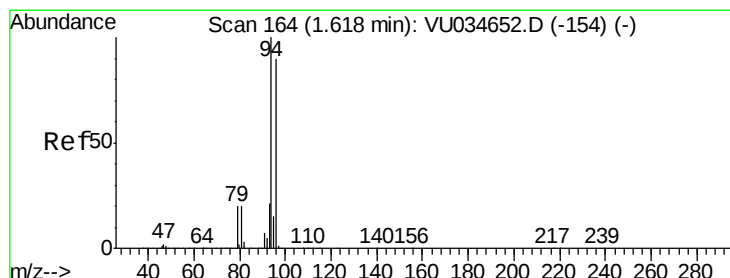
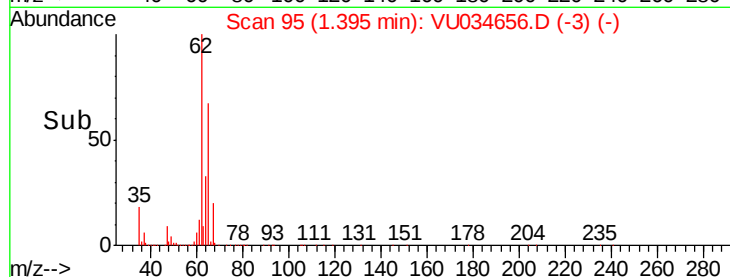
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 57.942 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU034656.D

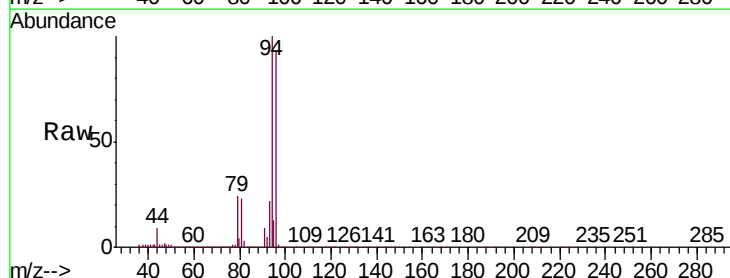
Acq: 19 Sep 2019 18:17

Tgt Ion: 94 Resp: 171759

Ion Ratio Lower Upper

94 100

96 93.3 62.8 116.6



Abundance Ion 94.00 (93.70 to 94.70): VU034656.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU034656.D (-154) (-)

1.62

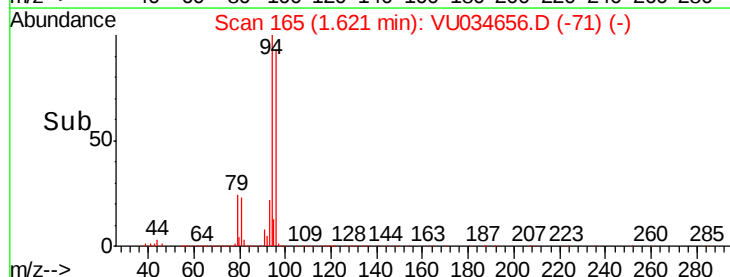
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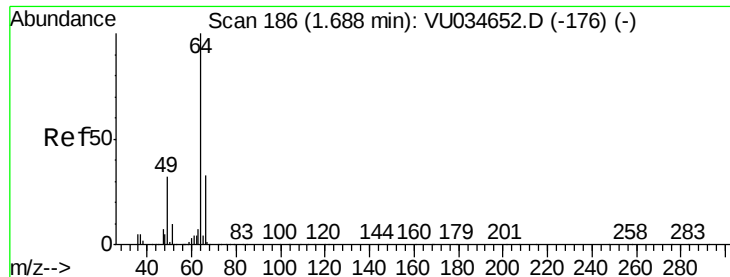
100000

50000

0

Time-->





#8

Chloroethane

Concen: 49.953 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

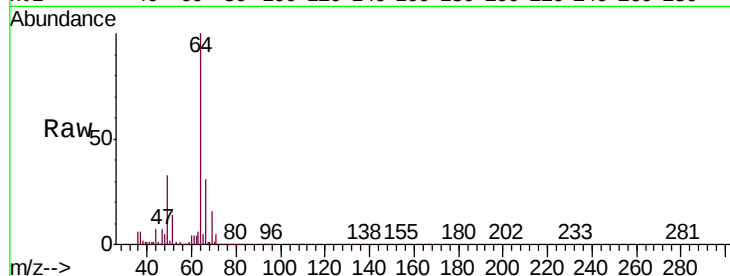
VSTD05058

Tgt Ion: 64 Resp: 156083

Ion Ratio Lower Upper

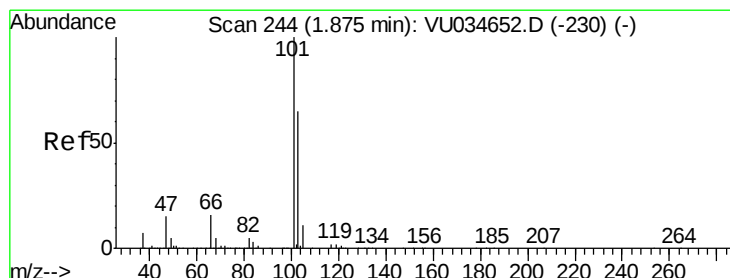
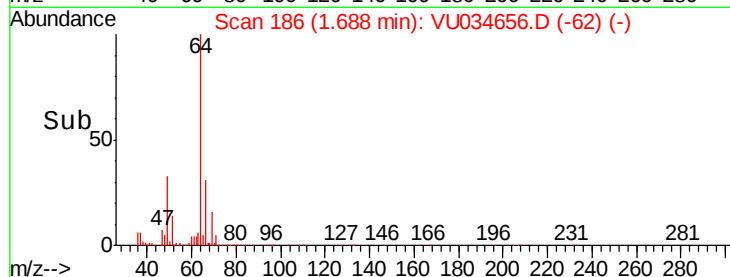
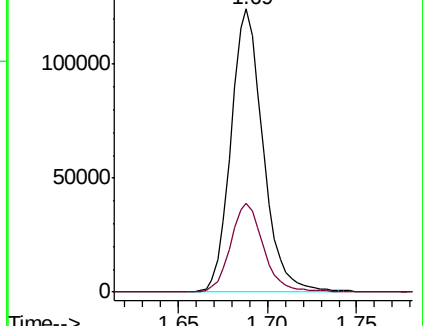
64 100

66 31.2 23.1 42.9



Abundance Ion 64.00 (63.70 to 64.70): VU034656.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU034656.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 48.816 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034656.D

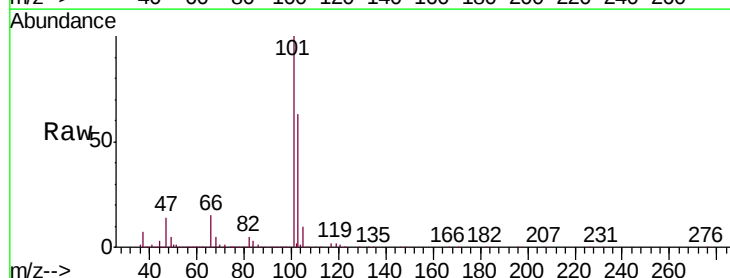
Acq: 19 Sep 2019 18:17

Tgt Ion: 101 Resp: 334076

Ion Ratio Lower Upper

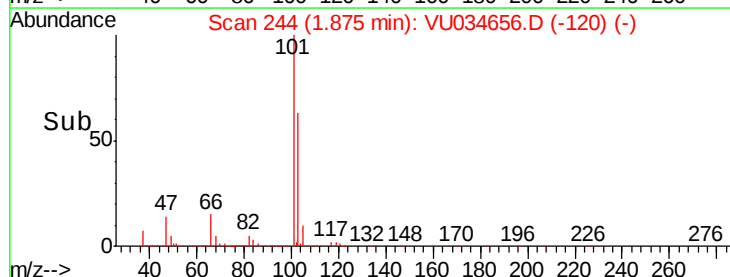
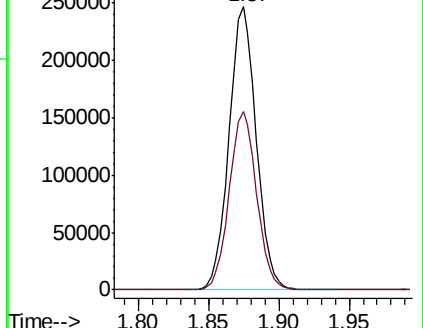
101 100

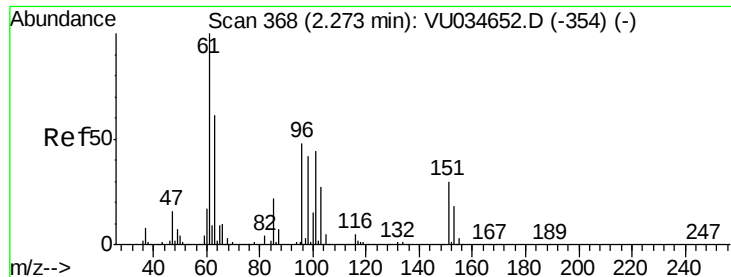
103 63.5 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VU034656.D (-230) (-)

Ion 103.00 (102.70 to 103.70): VU034656.D (-230) (-)





#10

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

Concen: 47.988 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

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ClientSampleId :

VSTD05058

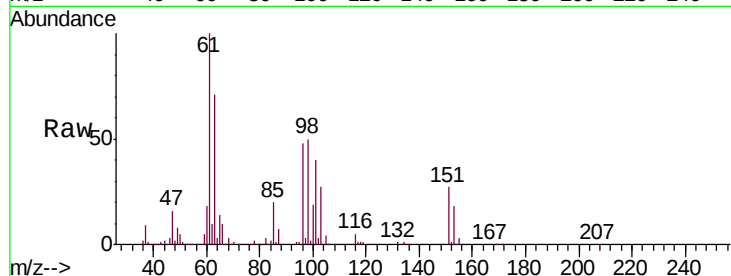
Tgt Ion:101 Resp: 157462

Ion Ratio Lower Upper

101 100

85 49.6 39.0 58.4

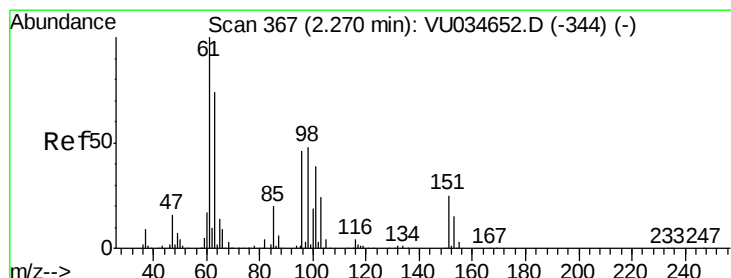
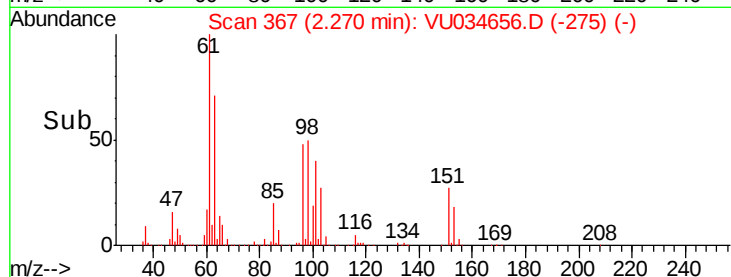
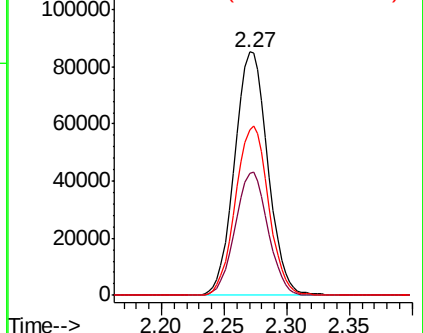
151 69.3 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.043 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

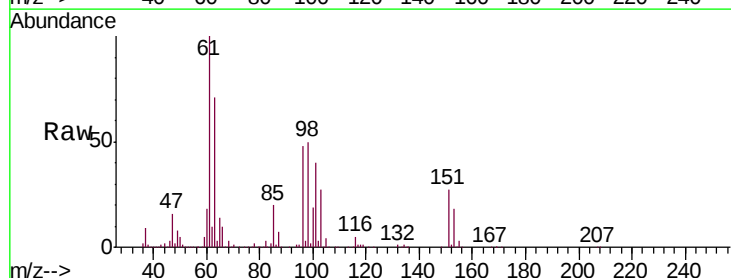
Tgt Ion: 96 Resp: 157600

Ion Ratio Lower Upper

96 100

61 208.9 153.2 284.4

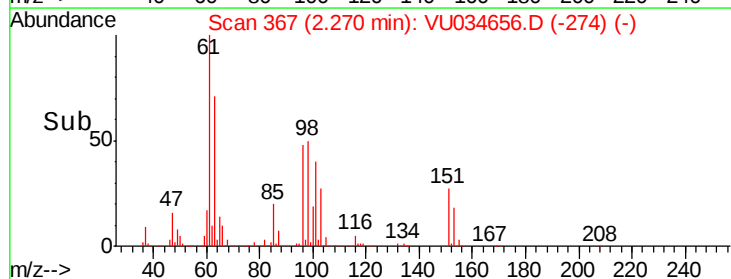
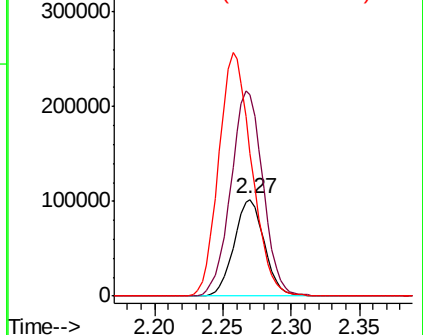
63 148.3 113.8 211.3

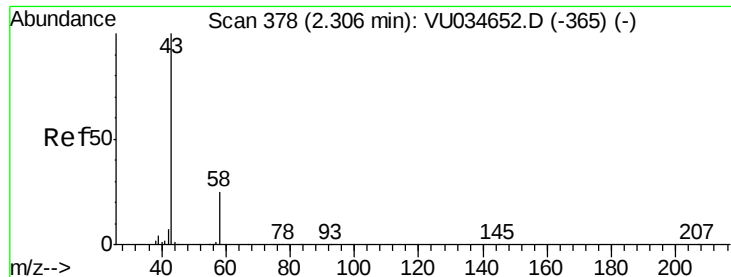


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 78.758 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

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MSVOA_U

ClientSampleId :

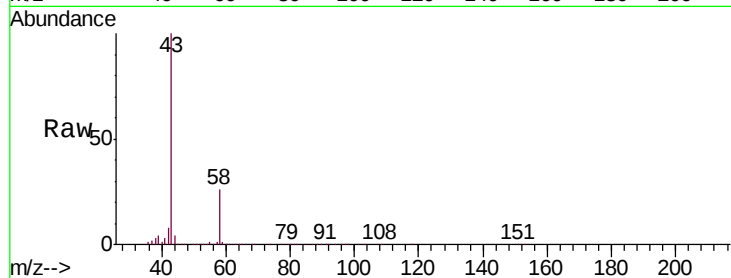
VSTD05058

Tgt Ion: 43 Resp: 346002

Ion Ratio Lower Upper

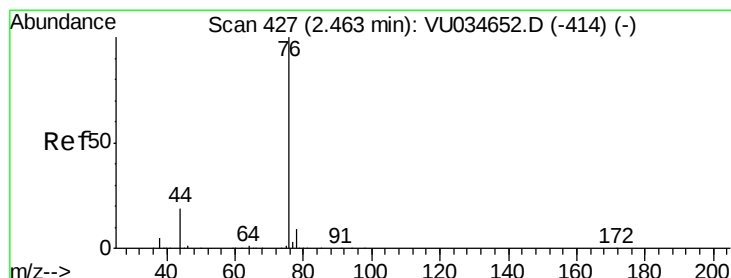
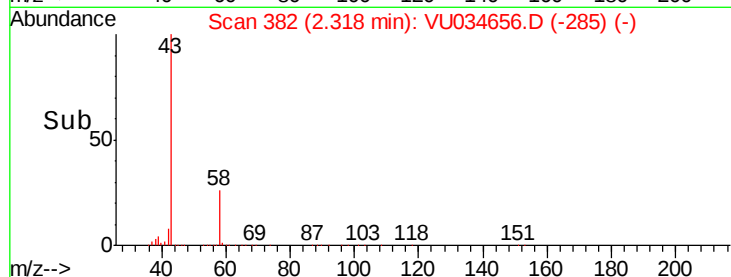
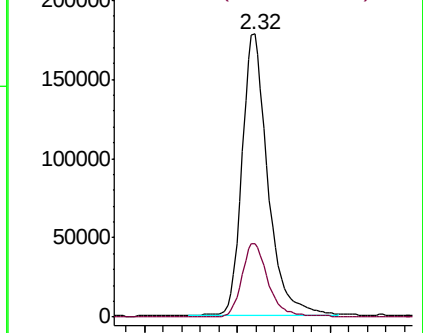
43 100

58 25.7 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 48.147 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034656.D

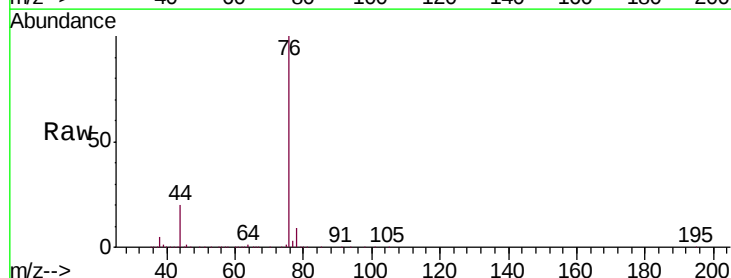
Acq: 19 Sep 2019 18:17

Tgt Ion: 76 Resp: 511615

Ion Ratio Lower Upper

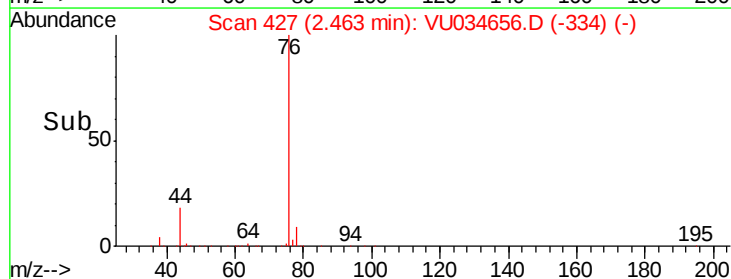
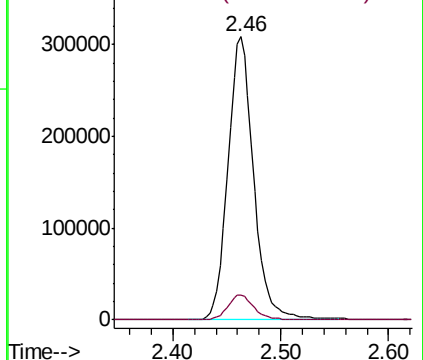
76 100

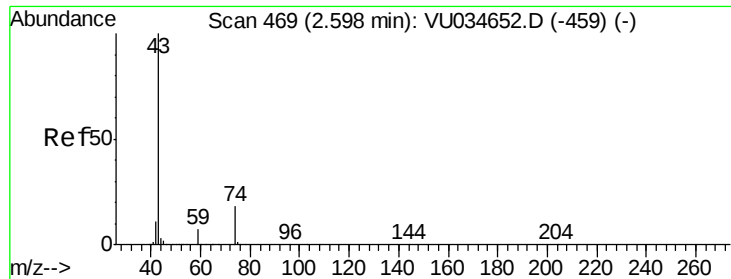
78 8.7 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

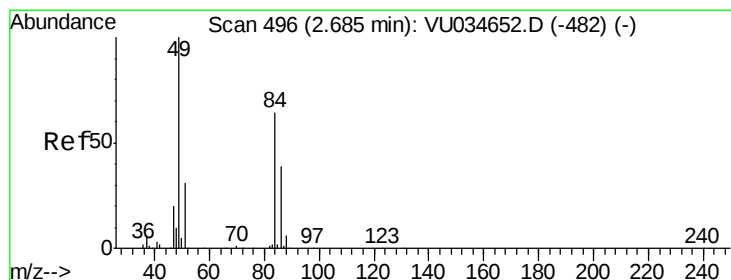
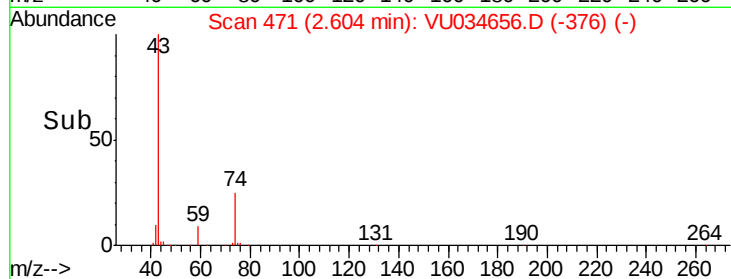
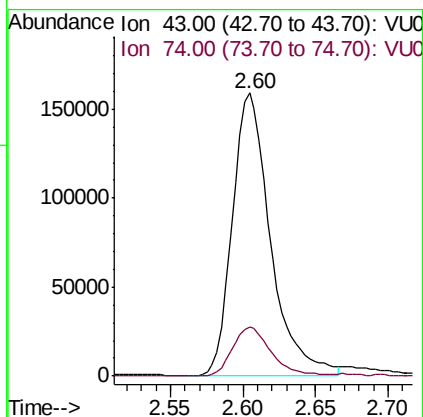
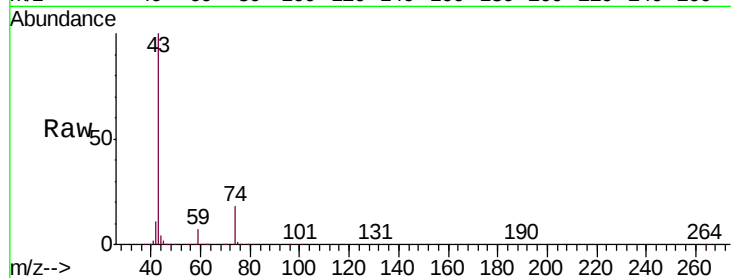




#15
Methyl Acetate
Concen: 49.254 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.01 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

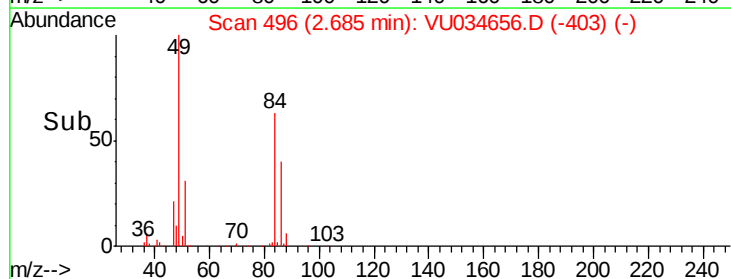
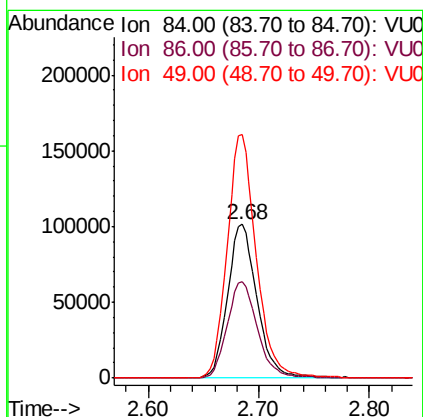
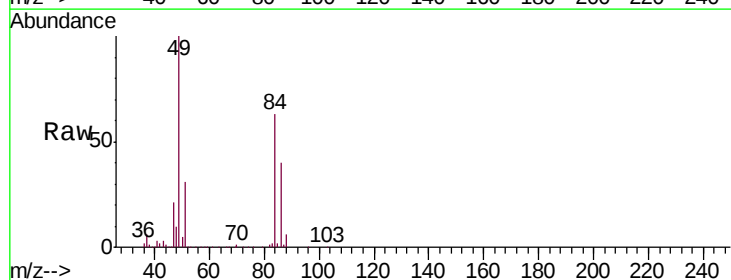
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

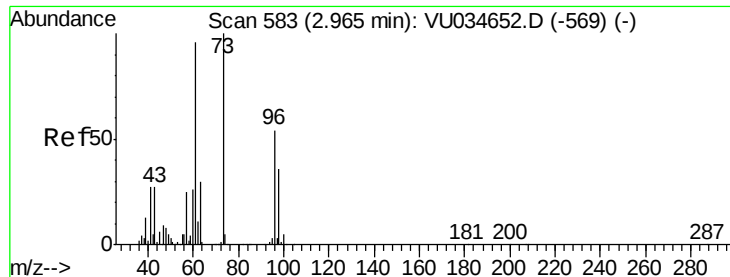
Tgt Ion: 43 Resp: 289047
Ion Ratio Lower Upper
43 100
74 17.7 14.4 21.6



#16
Methylene chloride
Concen: 47.159 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

Tgt Ion: 84 Resp: 188131
Ion Ratio Lower Upper
84 100
86 62.9 43.0 80.0
49 158.3 109.7 203.7





#17

trans-1,2-Dichloroethene

Concen: 47.527 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

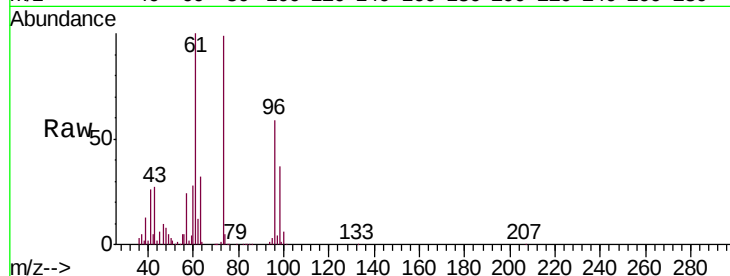
Tgt Ion: 96 Resp: 163644

Ion Ratio Lower Upper

96 100

61 168.9 124.0 230.4

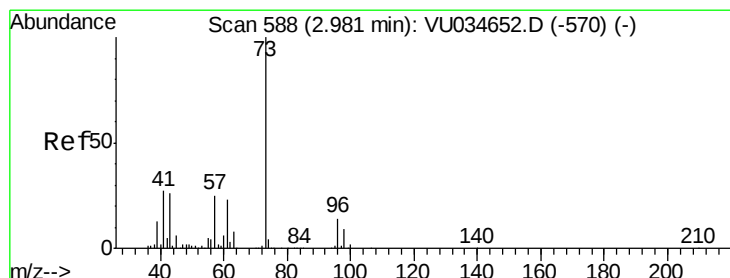
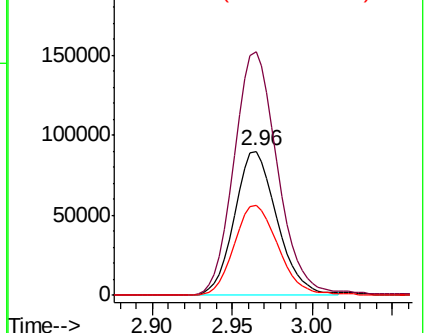
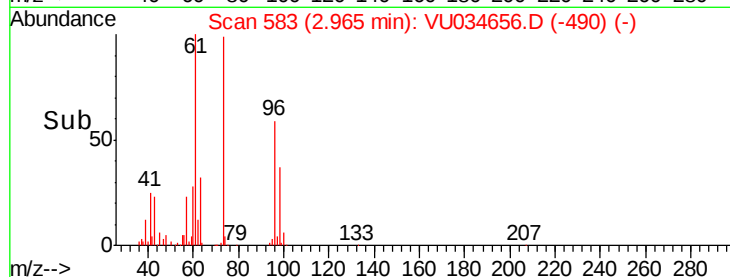
98 62.6 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VU034656.D (-490) (-)

Ion 61.00 (60.70 to 61.70): VU034656.D (-490) (-)

Ion 98.00 (97.70 to 98.70): VU034656.D (-490) (-)



#18

Methyl tert-butyl Ether

Concen: 48.548 ug/L

RT: 2.98 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

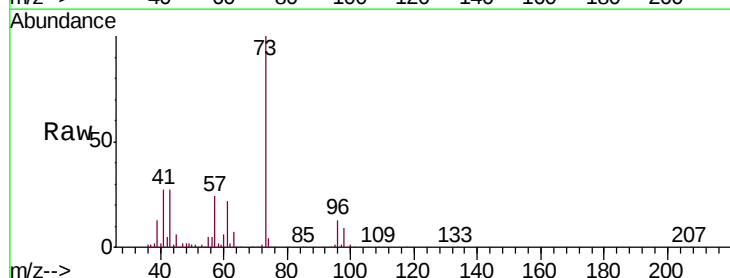
Tgt Ion: 73 Resp: 620163

Ion Ratio Lower Upper

73 100

43 26.1 20.9 31.3

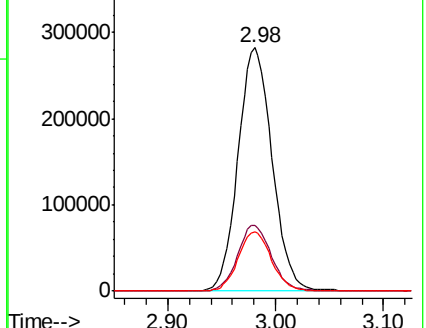
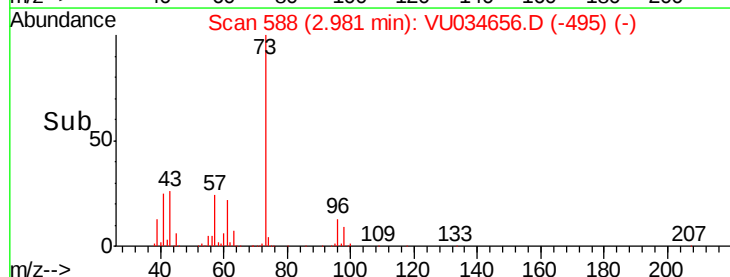
57 23.9 19.5 29.3

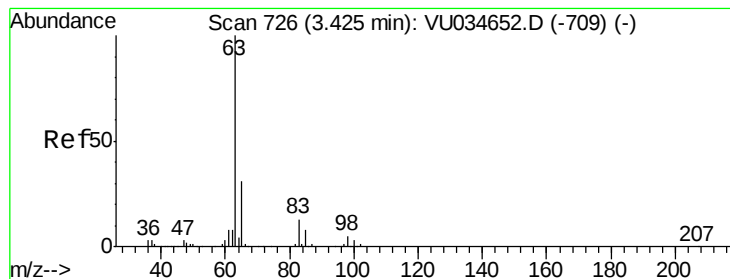


Abundance Ion 73.00 (72.70 to 73.70): VU034656.D (-495) (-)

Ion 43.00 (42.70 to 43.70): VU034656.D (-495) (-)

Ion 57.00 (56.70 to 57.70): VU034656.D (-495) (-)





#19

1,1-Dichloroethane

Concen: 47.266 ug/L

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

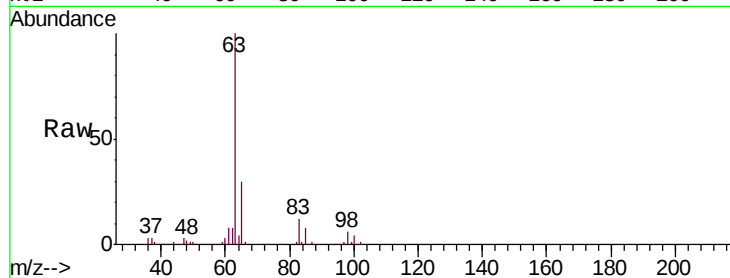
Tgt Ion: 63 Resp: 373345

Ion Ratio Lower Upper

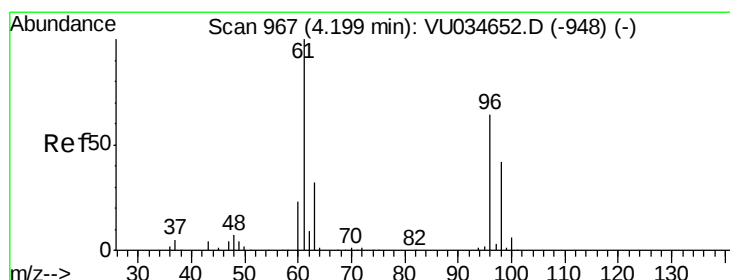
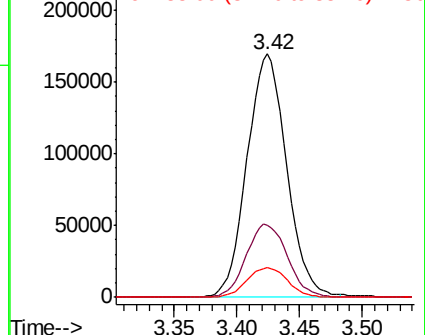
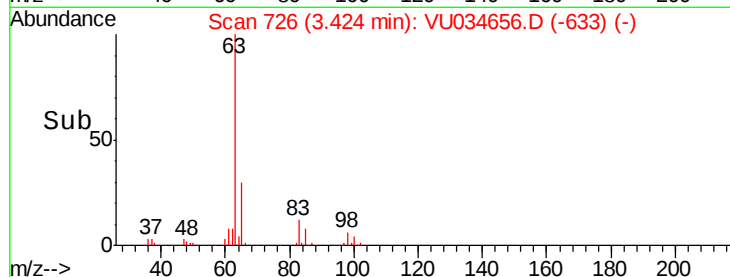
63 100

65 29.8 22.0 40.8

83 12.1 8.9 16.5



Abundance Ion 63.00 (62.70 to 63.70): VU034656.D (-633) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.232 ug/L

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

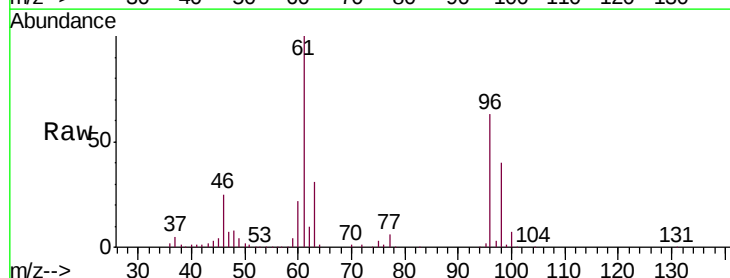
Tgt Ion: 96 Resp: 194180

Ion Ratio Lower Upper

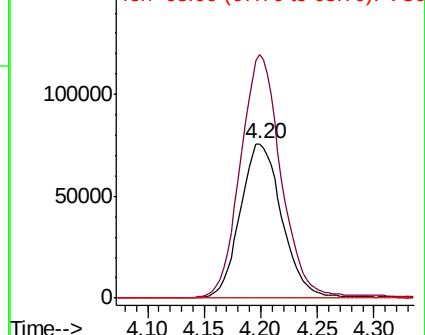
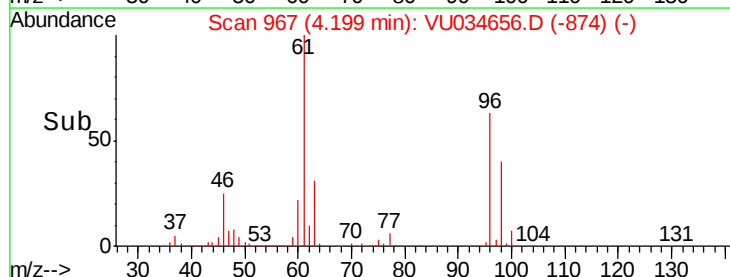
96 100

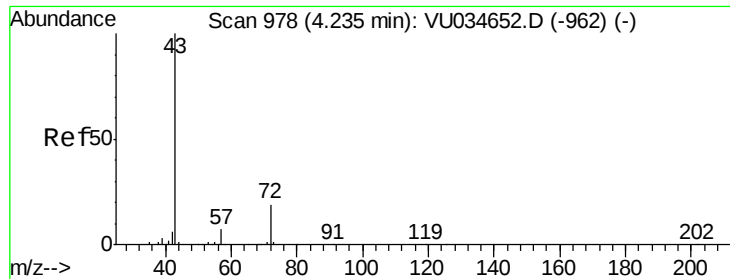
61 157.7 108.8 202.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034656.D (-874) (-)





#22

2-Butanone

Concen: 91.053 ug/L

RT: 4.24 min Scan# 981

Delta R.T. 0.01 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

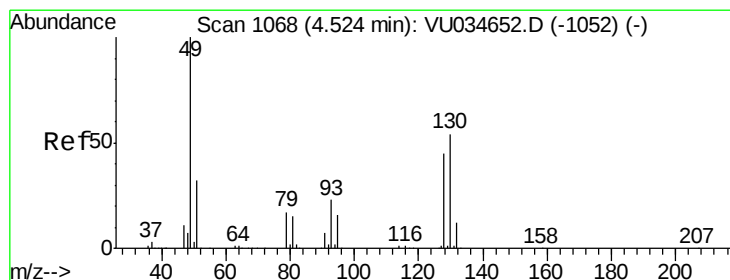
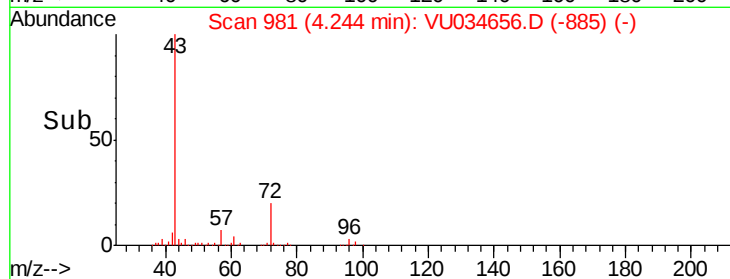
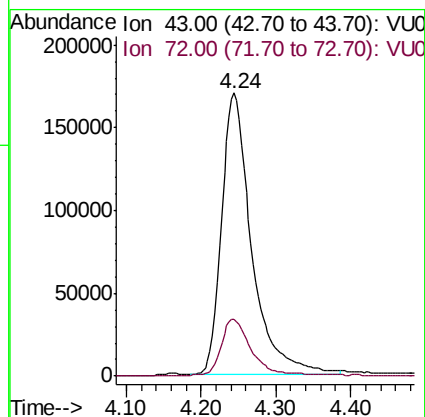
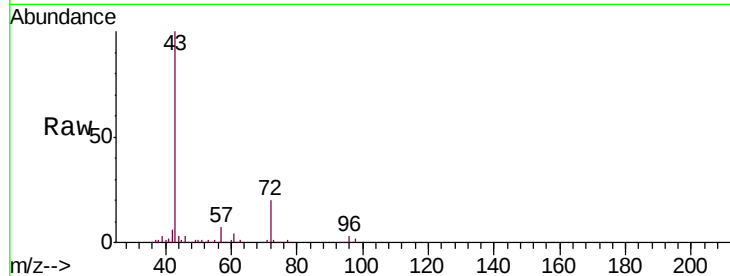
VSTD05058

Tgt Ion: 43 Resp: 475893

Ion Ratio Lower Upper

43 100

72 19.8 10.2 30.6



#23

Bromochloromethane

Concen: 47.377 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Tgt Ion: 128 Resp: 91297

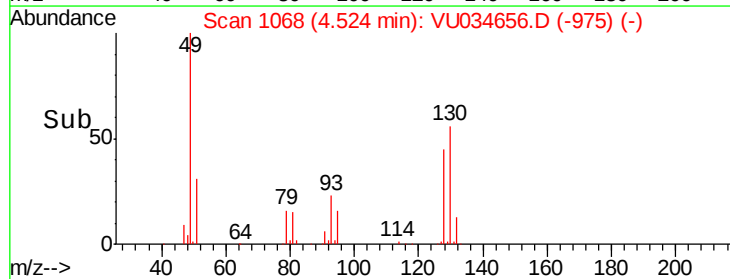
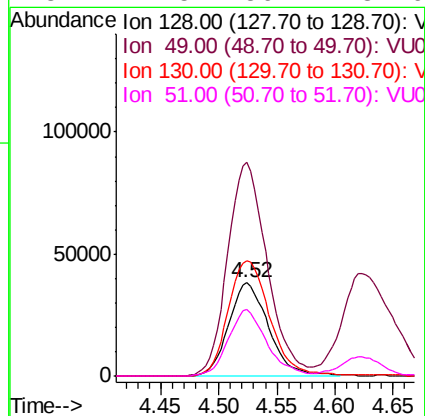
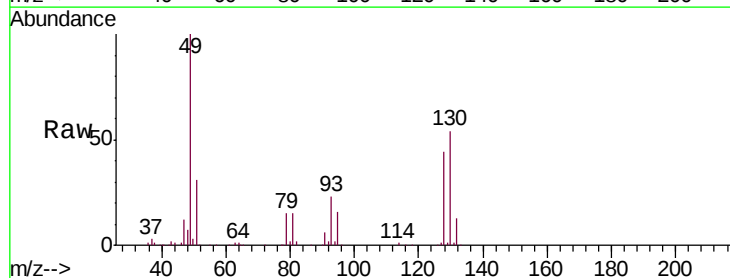
Ion Ratio Lower Upper

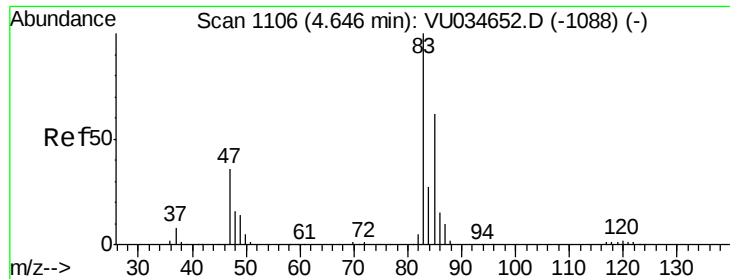
128 100

49 229.0 154.3 286.7

130 124.2 83.0 154.2

51 71.5 56.4 84.6

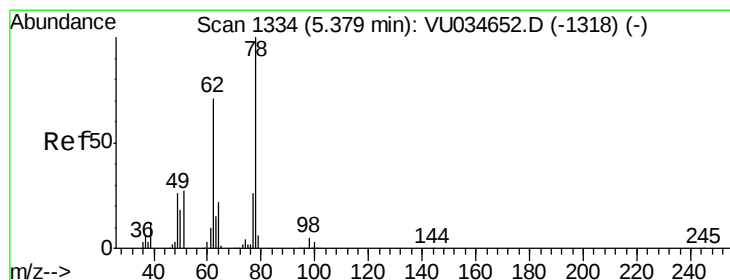
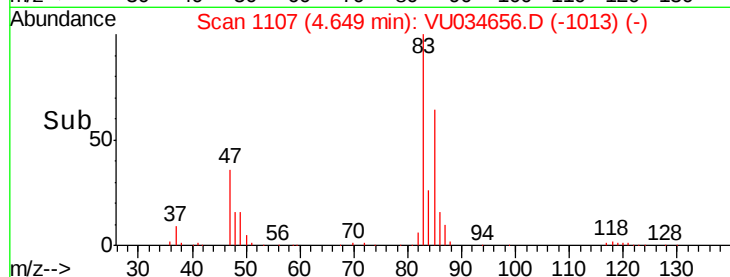
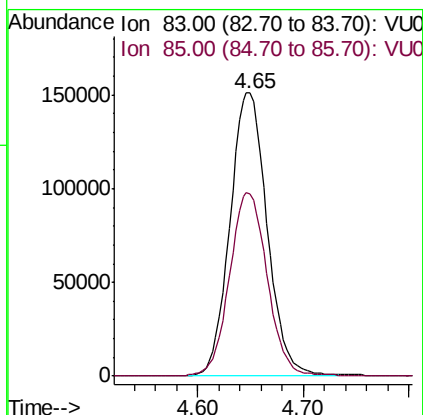
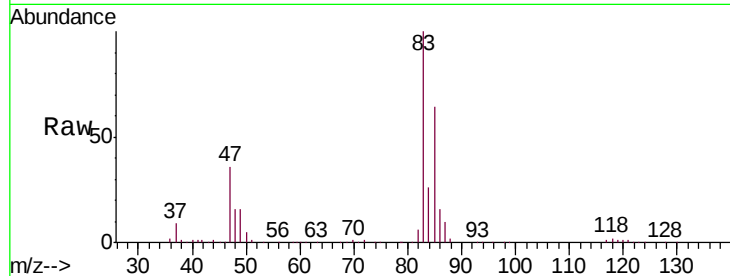




#25
Chloroform
Concen: 47.481 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

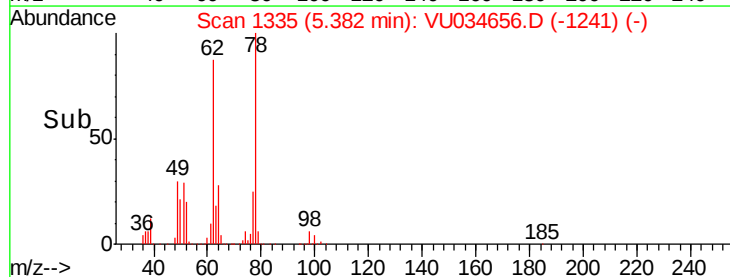
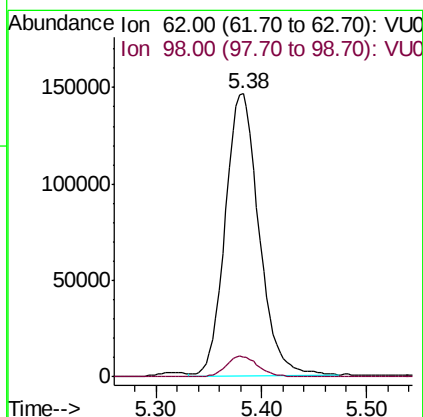
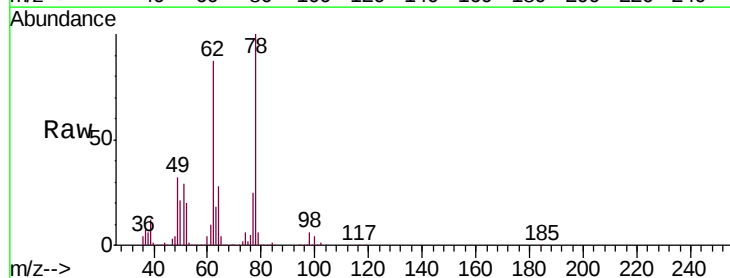
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

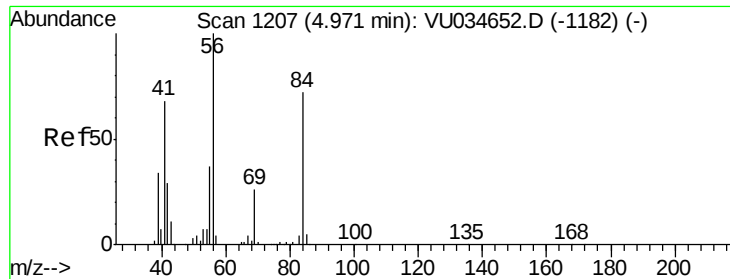
Tgt Ion: 83 Resp: 369318
Ion Ratio Lower Upper
83 100
85 64.4 44.0 81.6



#27
1,2-Dichloroethane
Concen: 48.123 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

Tgt Ion: 62 Resp: 323342
Ion Ratio Lower Upper
62 100
98 7.1 5.3 7.9

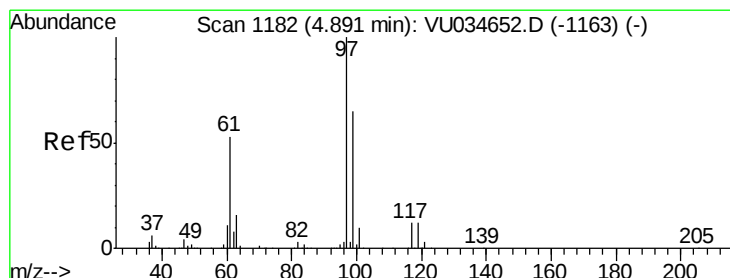
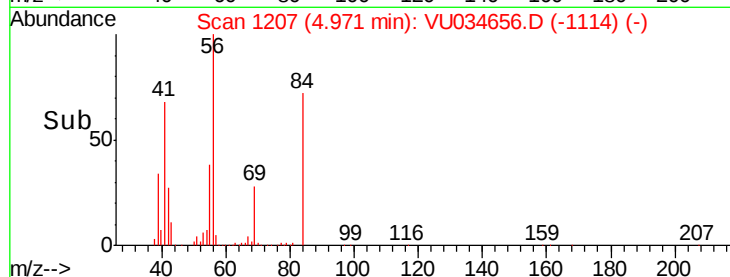
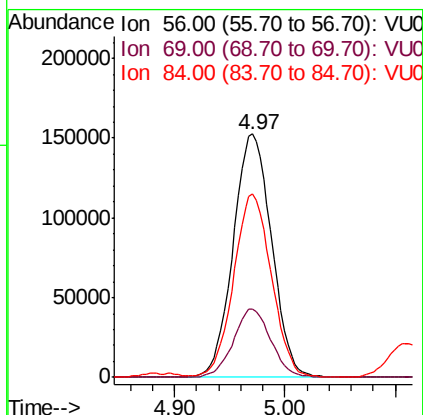
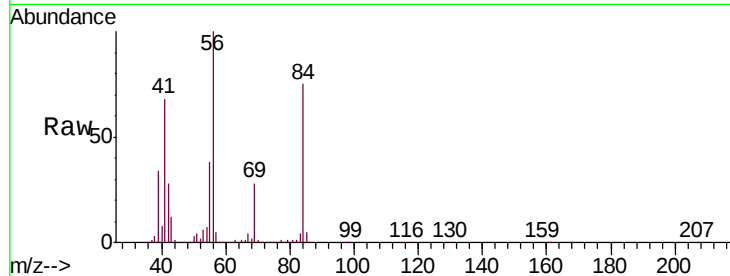




#29
Cyclohexane
Concen: 47.924 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

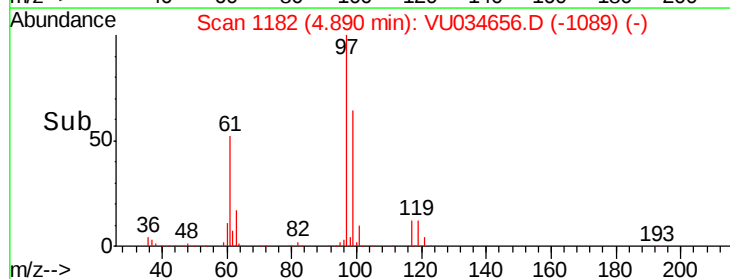
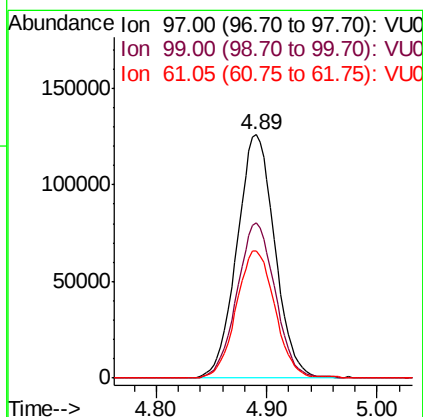
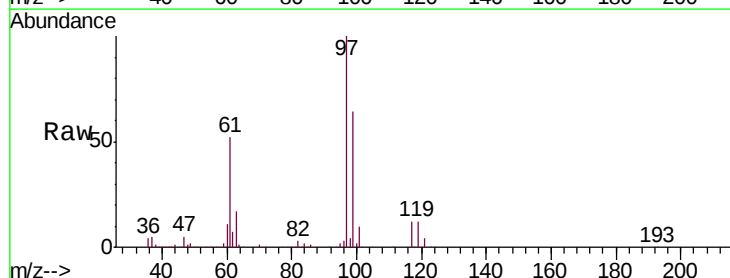
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

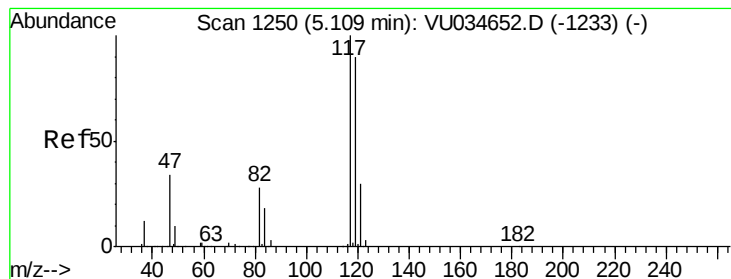
Tgt Ion: 56 Resp: 366083
Ion Ratio Lower Upper
56 100
69 27.5 21.7 32.5
84 73.4 58.8 88.2



#30
1,1,1-Trichloroethane
Concen: 47.616 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

Tgt Ion: 97 Resp: 299928
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 52.9 43.4 65.0





#31

Carbon tetrachloride

Concen: 47.765 ug/L

RT: 5.11 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

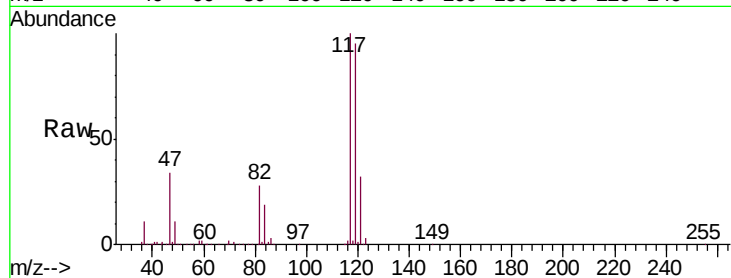
VSTD05058

Tgt Ion:117 Resp: 256419

Ion Ratio Lower Upper

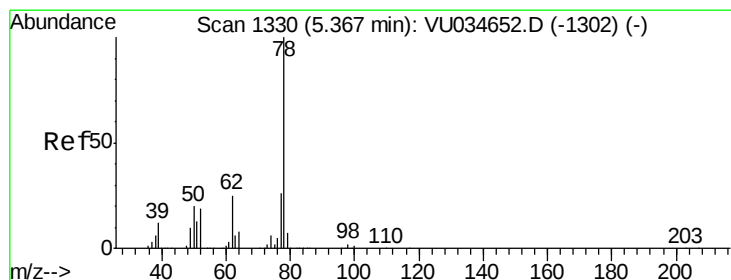
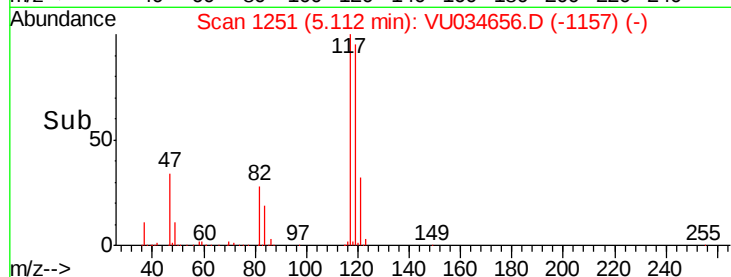
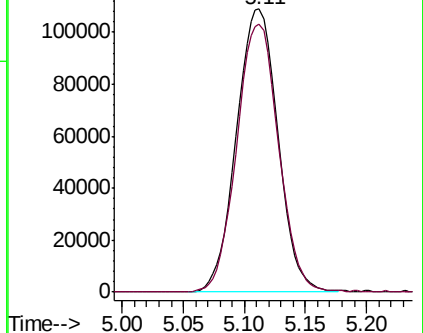
117 100

119 95.6 74.8 112.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.633 ug/L

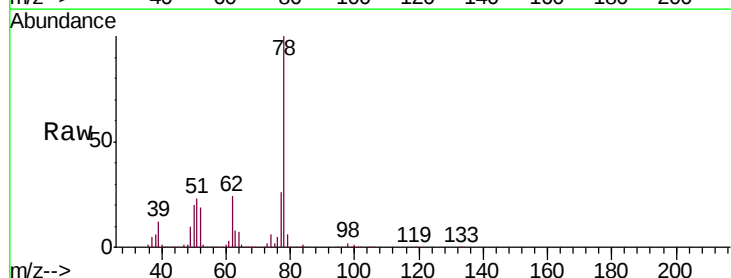
RT: 5.37 min Scan# 1330

Delta R.T. -0.00 min

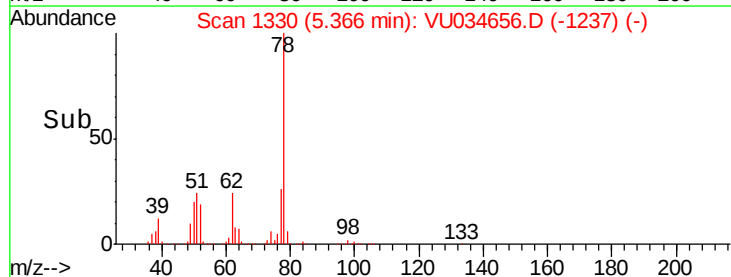
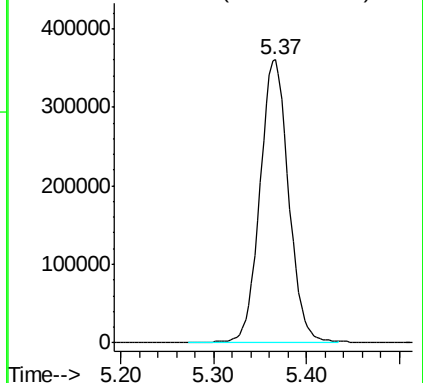
Lab File: VU034656.D

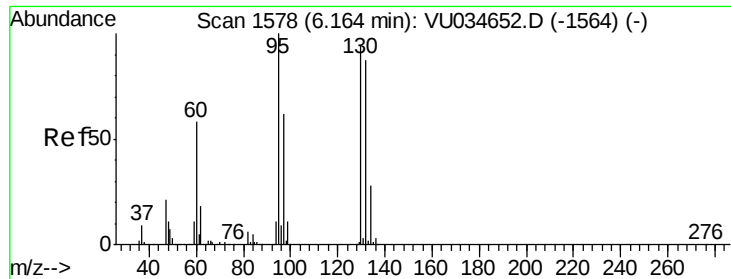
Acq: 19 Sep 2019 18:17

Tgt Ion: 78 Resp: 780604



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 47.853 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

Tgt Ion: 95 Resp: 189693

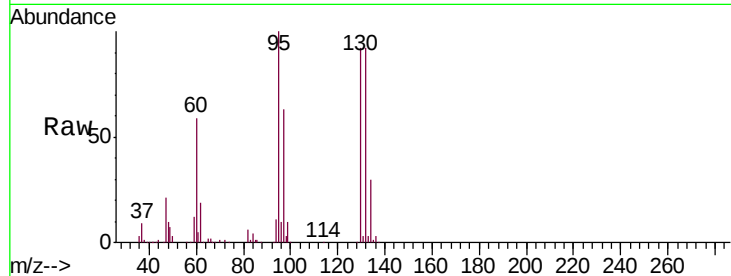
Ion Ratio Lower Upper

95 100

97 63.4 43.7 81.1

132 91.7 61.0 113.2

130 92.4 65.7 121.9

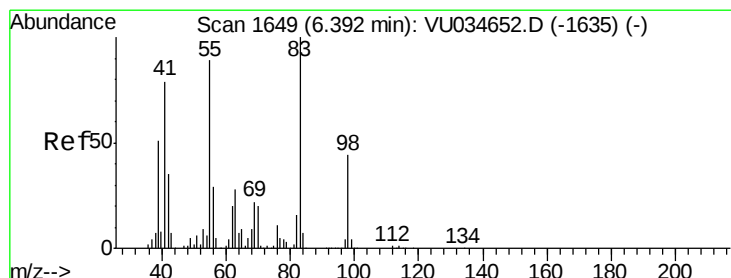
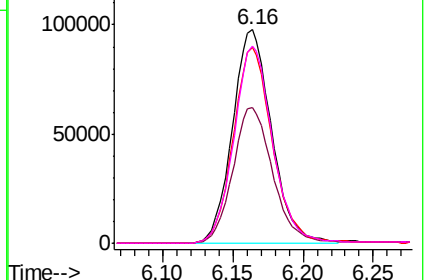
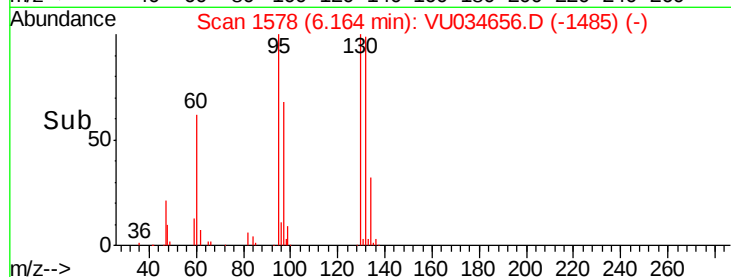


Abundance Ion 95.00 (94.70 to 95.70): VU034656.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU034656.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU034656.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU034656.D (-1485) (-)



#35

Methylcyclohexane

Concen: 48.258 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

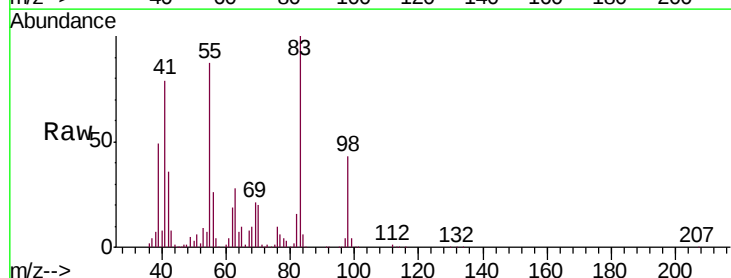
Tgt Ion: 83 Resp: 324633

Ion Ratio Lower Upper

83 100

55 87.9 71.6 107.4

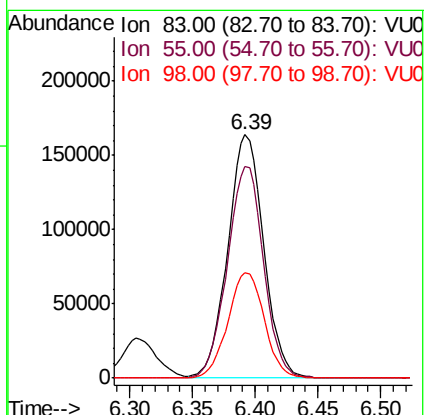
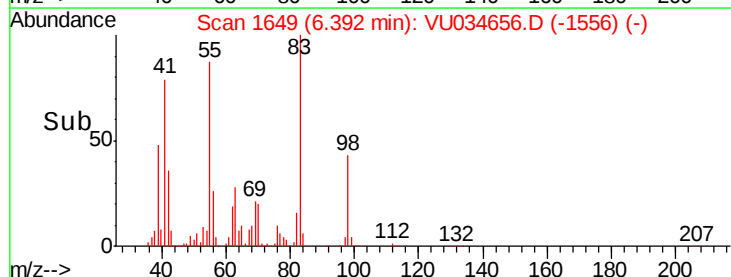
98 43.8 35.7 53.5

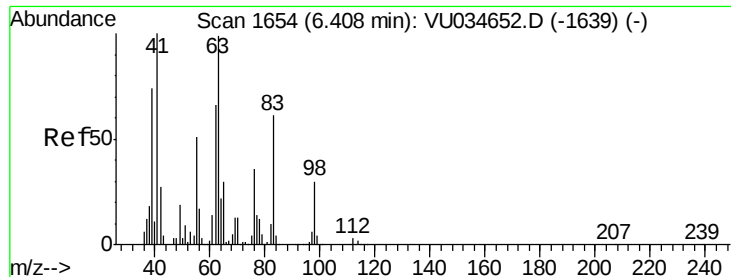


Abundance Ion 83.00 (82.70 to 83.70): VU034656.D (-1556) (-)

Ion 55.00 (54.70 to 55.70): VU034656.D (-1556) (-)

Ion 98.00 (97.70 to 98.70): VU034656.D (-1556) (-)

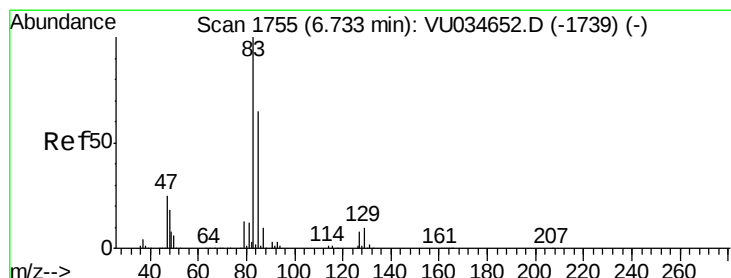
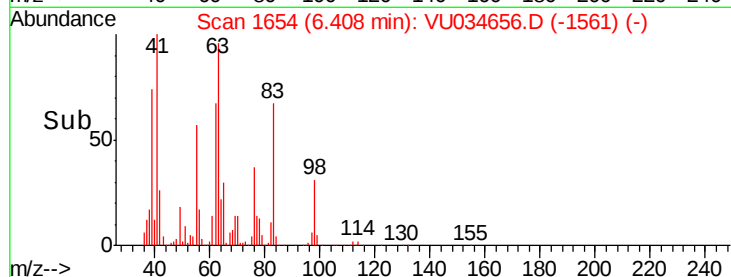
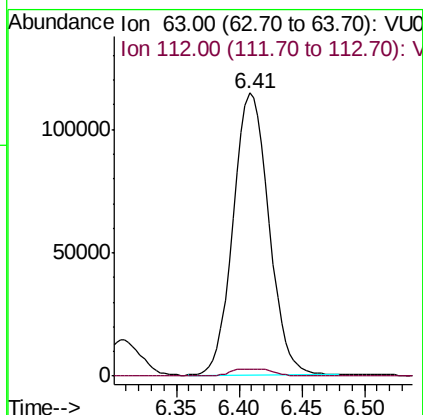
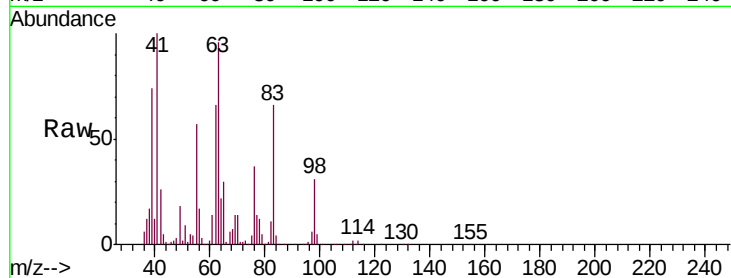




#37
 1,2-Dichloropropane
 Concen: 47.511 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034656.D
 Acq: 19 Sep 2019 18:17

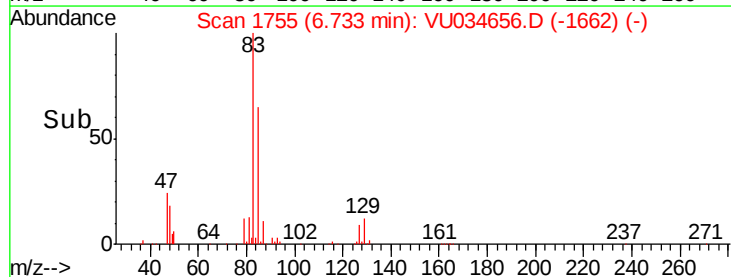
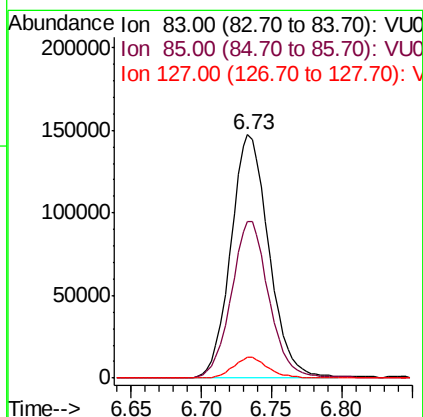
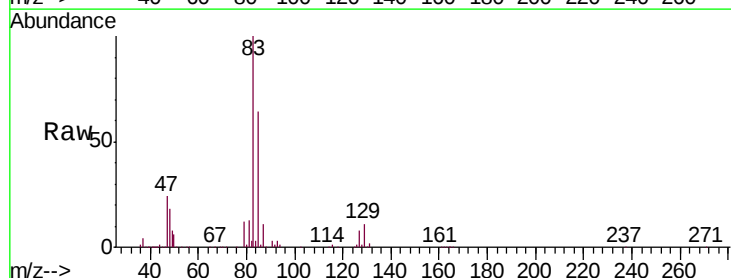
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

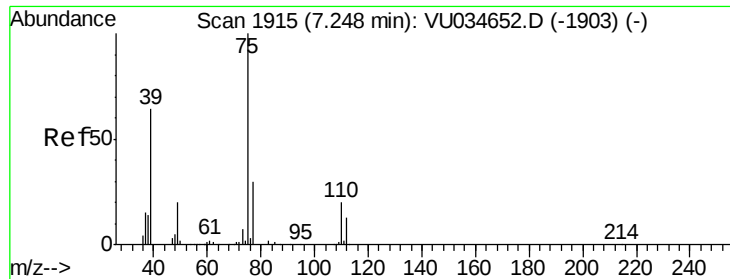
Tgt Ion: 63 Resp: 227072
 Ion Ratio Lower Upper
 63 100
 112 1.9 2.4 3.6#



#38
 Bromodichloromethane
 Concen: 47.643 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034656.D
 Acq: 19 Sep 2019 18:17

Tgt Ion: 83 Resp: 276139
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.5 84.5
 127 8.4 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 48.878 ug/L

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

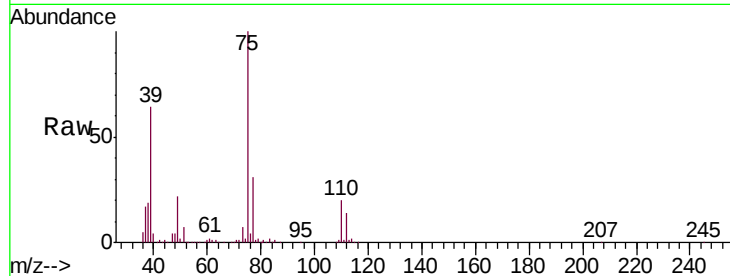
VSTD05058

Tgt Ion: 75 Resp: 351004

Ion Ratio Lower Upper

75 100

77 30.7 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU034656.D (-1822) (-)

Ion 77.00 (76.70 to 77.70): VU034656.D (-1822) (-)

7.25

200000

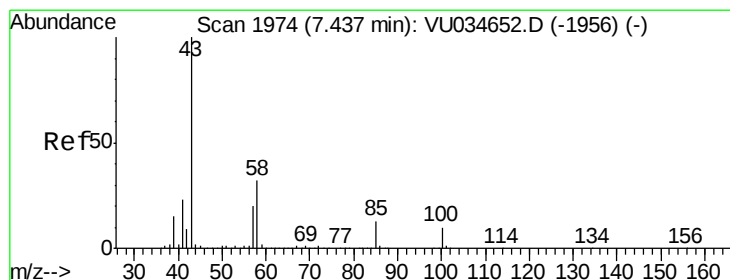
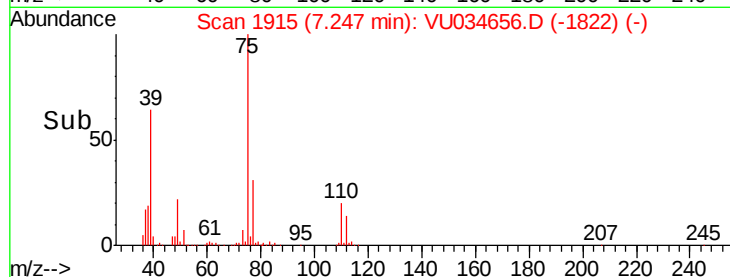
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 97.316 ug/L

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

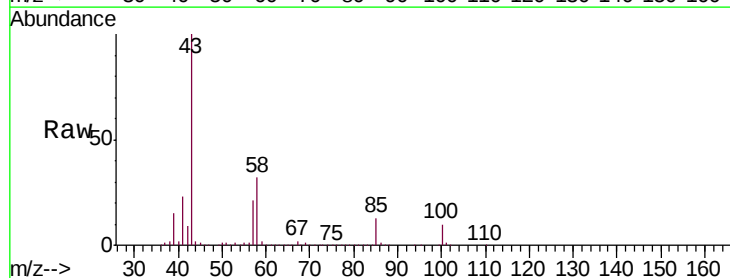
Tgt Ion: 43 Resp: 887973

Ion Ratio Lower Upper

43 100

58 32.4 25.2 37.8

100 9.8 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VU034656.D (-1881) (-)

Ion 58.00 (57.70 to 58.70): VU034656.D (-1881) (-)

Ion 100.00 (99.70 to 100.70): VU034656.D (-1881) (-)

7.44

600000

500000

400000

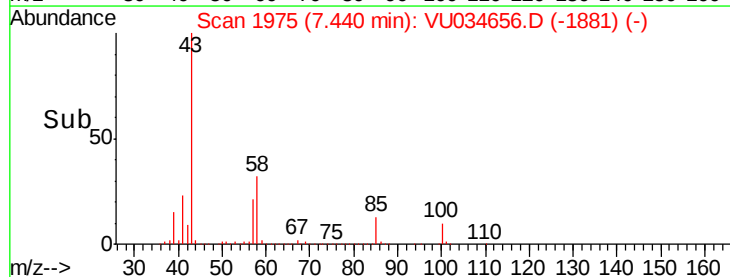
300000

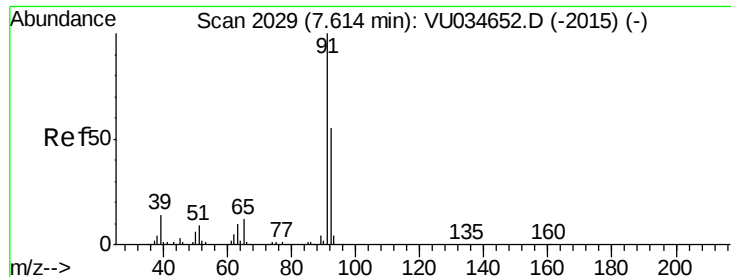
200000

100000

0

Time-->





#42

Toluene

Concen: 47.650 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

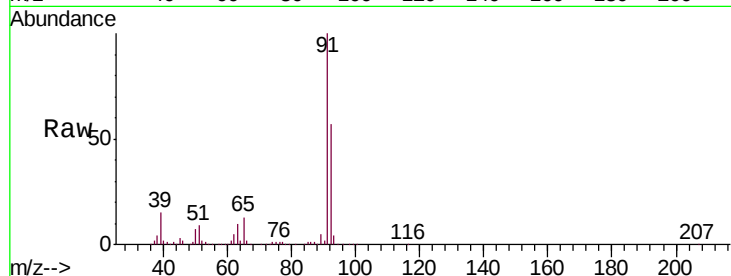
VSTD05058

Tgt Ion: 91 Resp: 826574

Ion Ratio Lower Upper

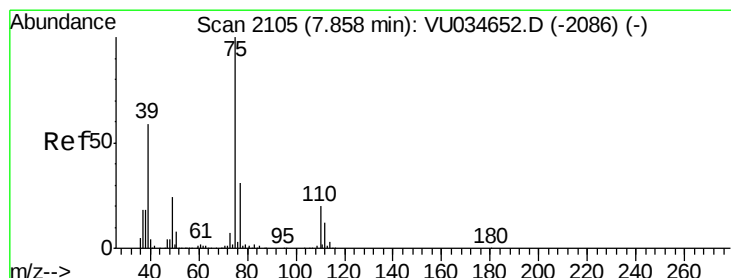
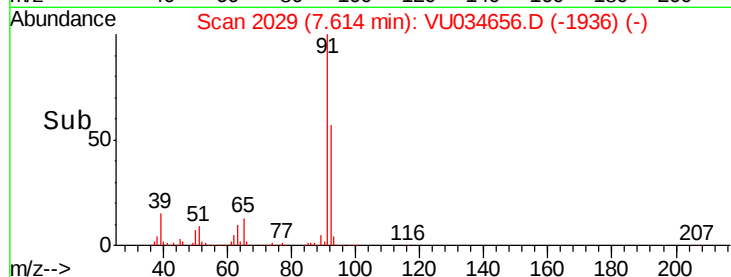
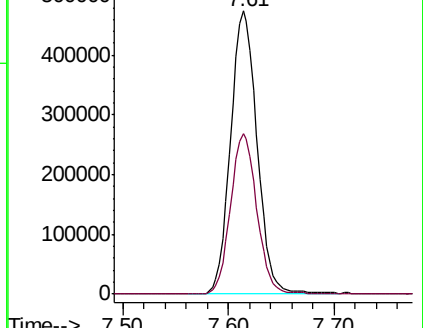
91 100

92 56.6 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VU034656.D (-1936) (-)

Ion 92.00 (91.70 to 92.70): VU034656.D (-1936) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.707 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034656.D

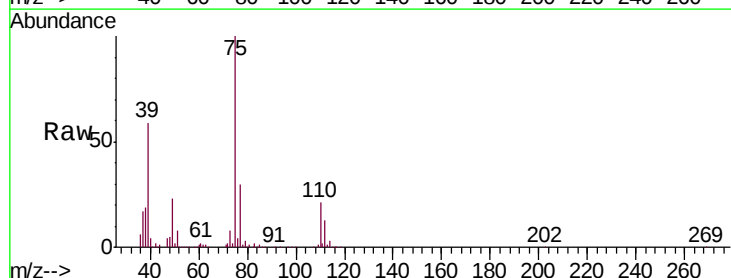
Acq: 19 Sep 2019 18:17

Tgt Ion: 75 Resp: 321796

Ion Ratio Lower Upper

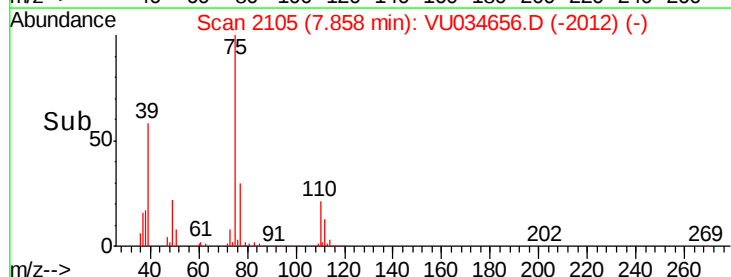
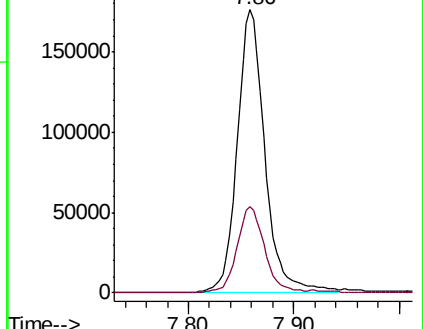
75 100

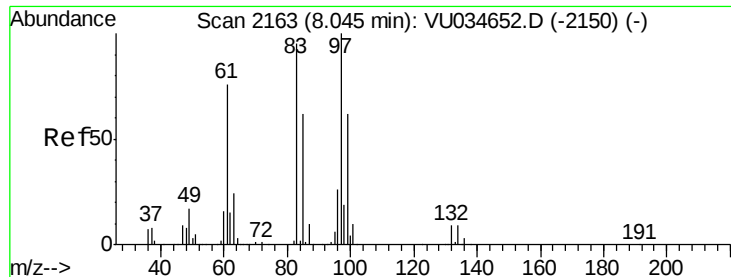
77 30.3 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VU034656.D (-2122) (-)

Ion 77.00 (76.70 to 77.70): VU034656.D (-2122) (-)

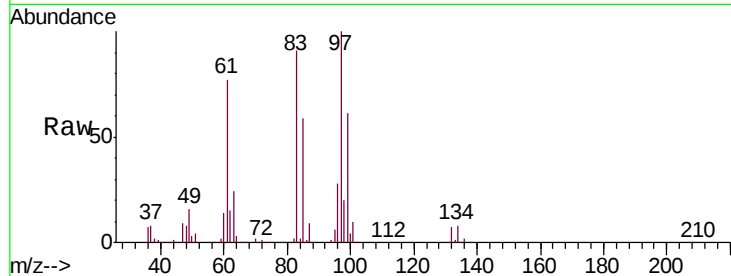




#45
 1,1,2-Trichloroethane
 Concen: 47.980 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034656.D
 Acq: 19 Sep 2019 18:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Tgt Ion:	97	Resp:	183683
Ion	Ratio	Lower	Upper
97	100		
99	61.1	43.6	81.0
83	90.8	66.9	124.3
85	58.9	43.3	80.3

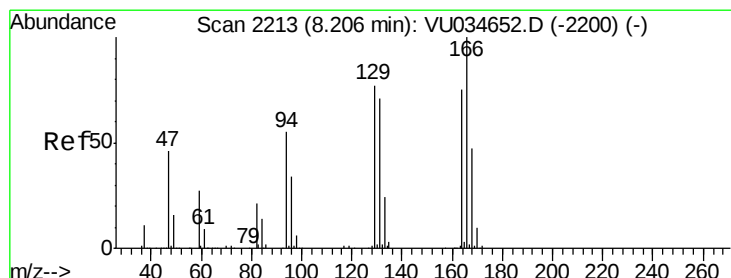
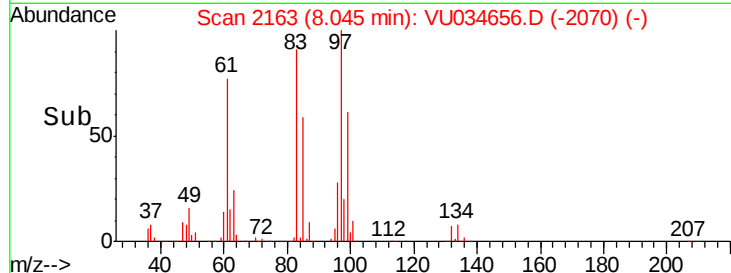
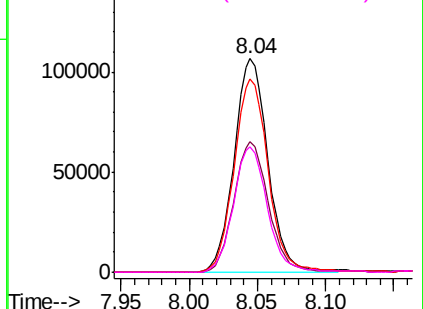


Abundance Ion 97.00 (96.70 to 97.70): VU034656.D (-2150) (-)

Ion 99.00 (98.70 to 99.70): VU034656.D (-2150) (-)

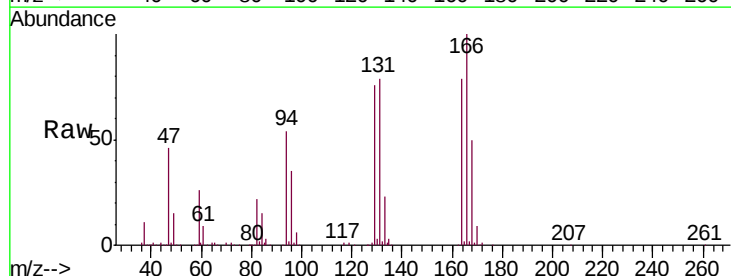
Ion 83.00 (82.70 to 83.70): VU034656.D (-2150) (-)

Ion 85.00 (84.70 to 85.70): VU034656.D (-2150) (-)



#46
 Tetrachloroethene
 Concen: 48.424 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034656.D
 Acq: 19 Sep 2019 18:17

Tgt Ion:	164	Resp:	135024
Ion	Ratio	Lower	Upper
164	100		
129	96.9	71.9	133.5
131	100.0	66.3	123.1
166	127.1	93.4	173.6

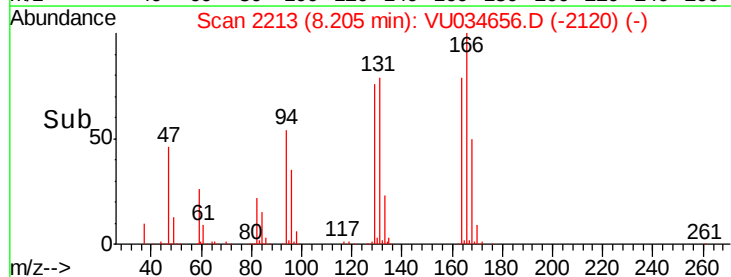
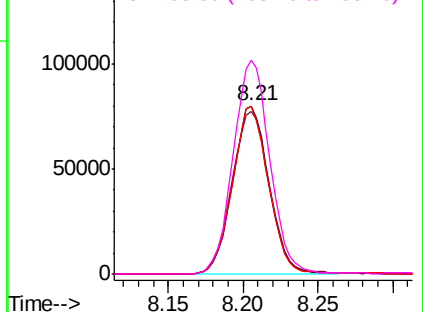


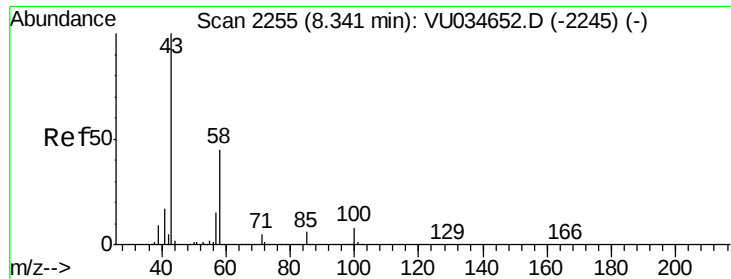
Abundance Ion 164.00 (163.70 to 164.70): VU034656.D (-2200) (-)

Ion 129.00 (128.70 to 129.70): VU034656.D (-2200) (-)

Ion 131.00 (130.70 to 131.70): VU034656.D (-2200) (-)

Ion 166.00 (165.70 to 166.70): VU034656.D (-2200) (-)

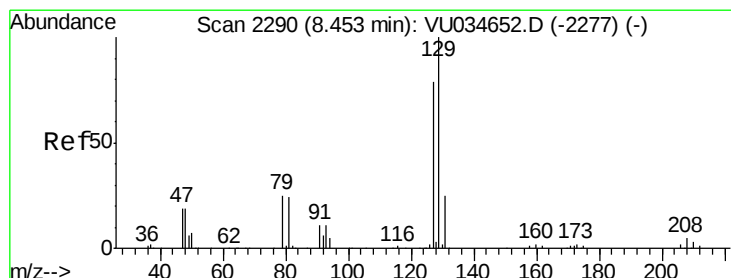
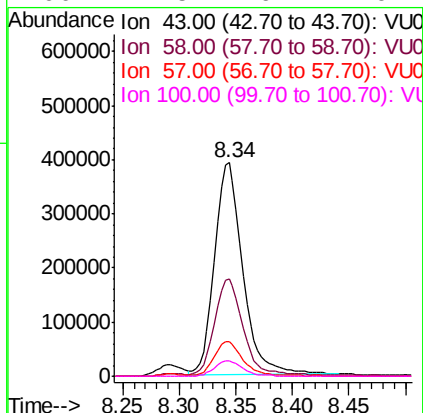
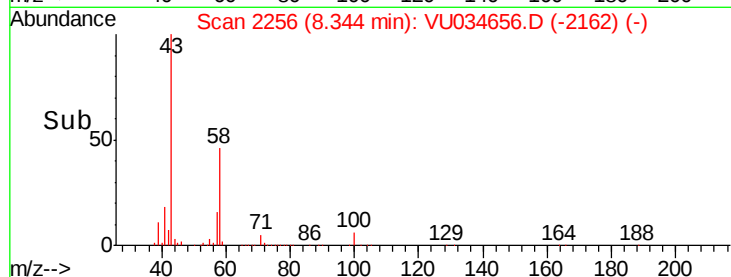
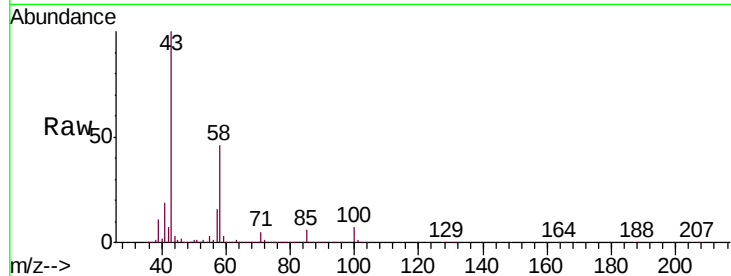




#48
2-Hexanone
Concen: 94.469 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

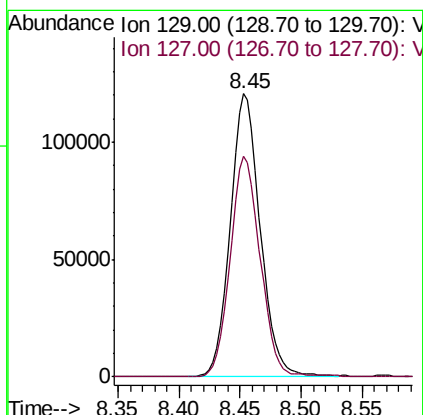
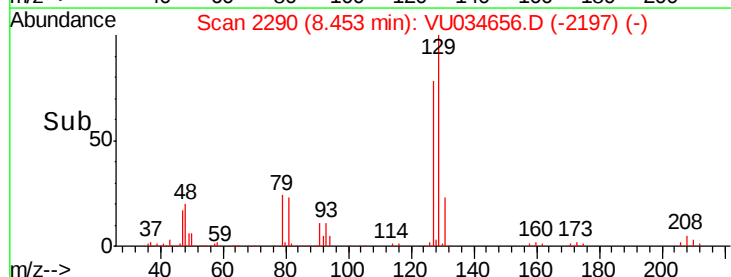
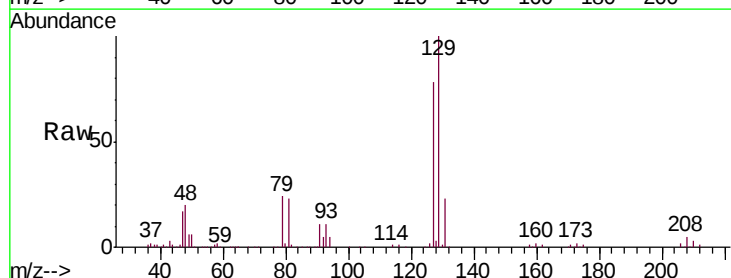
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

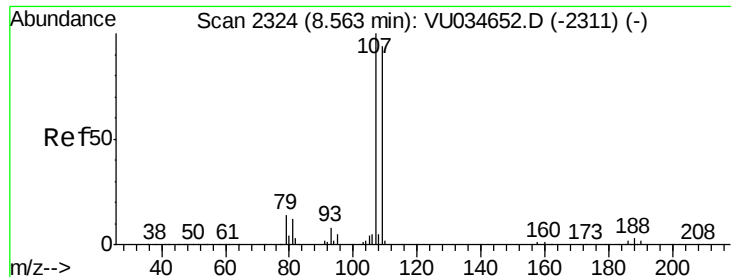
Tgt Ion: 43 Resp: 673239
Ion Ratio Lower Upper
43 100
58 45.8 35.3 52.9
57 16.2 12.1 18.1
100 7.5 6.2 9.4



#49
Dibromochloromethane
Concen: 48.467 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

Tgt Ion: 129 Resp: 206817
Ion Ratio Lower Upper
129 100
127 78.0 55.5 103.1

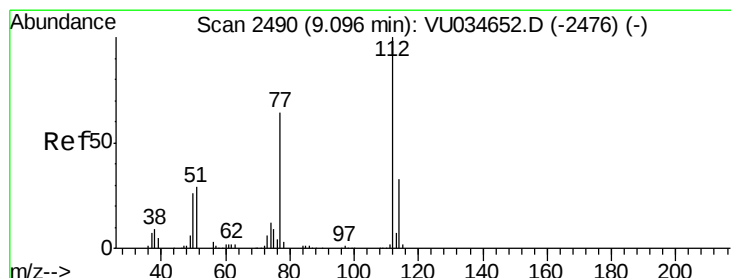
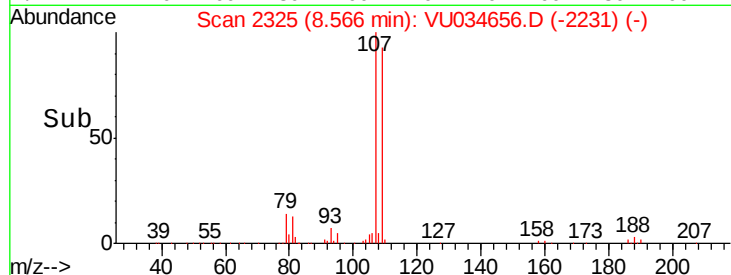
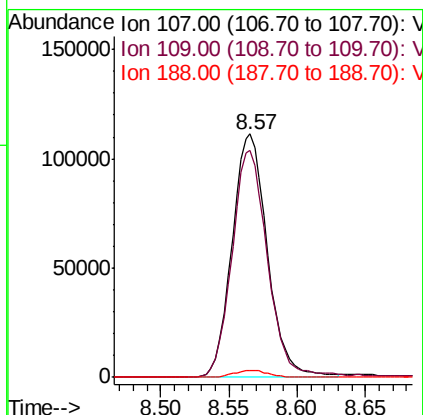
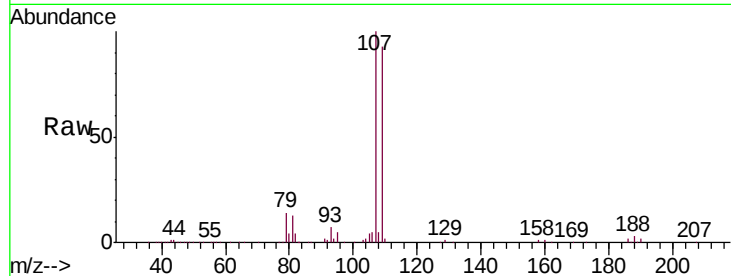




#50
1,2-Dibromoethane
Concen: 48.536 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

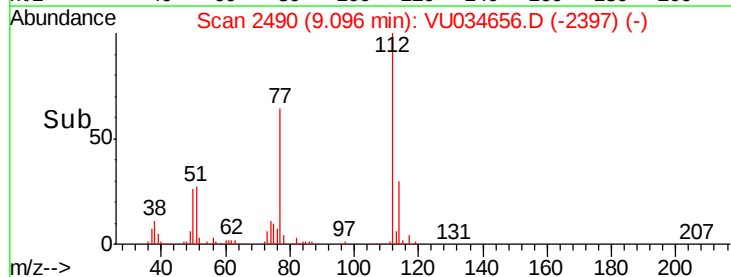
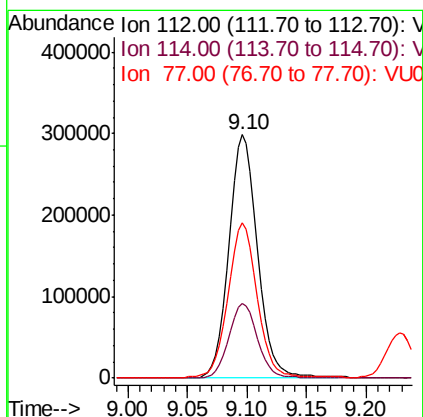
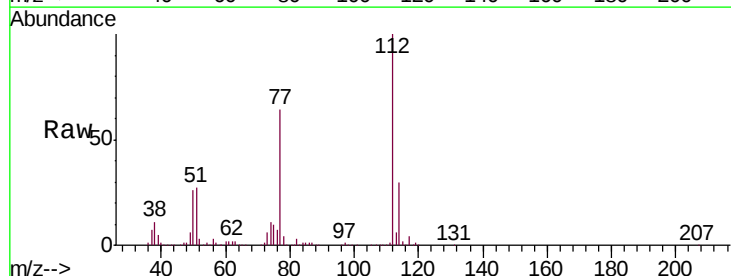
Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

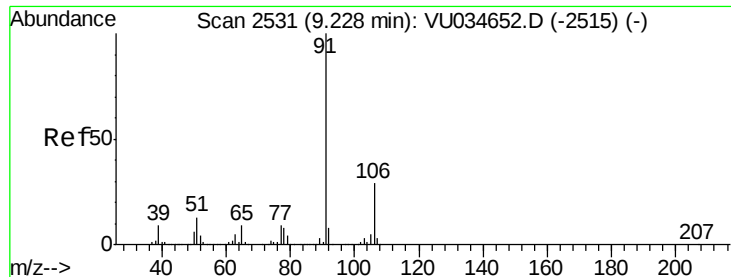
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	65.5	121.6
188	3.0	2.7	4.1



#51
Chlorobenzene
Concen: 47.220 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034656.D
Acq: 19 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.5	22.8	42.4
77	63.9	51.5	77.3





#52

Ethylbenzene

Concen: 47.632 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

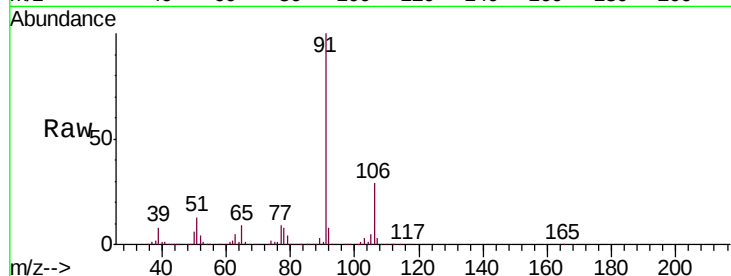
VSTD05058

Tgt Ion: 91 Resp: 930437

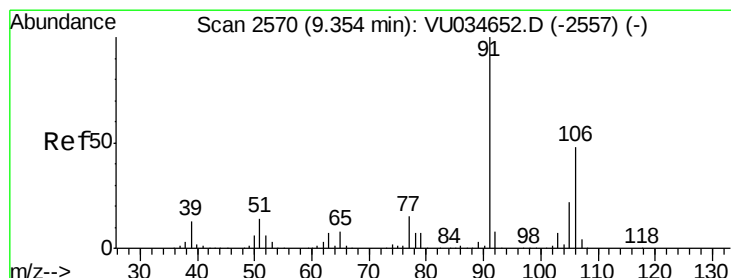
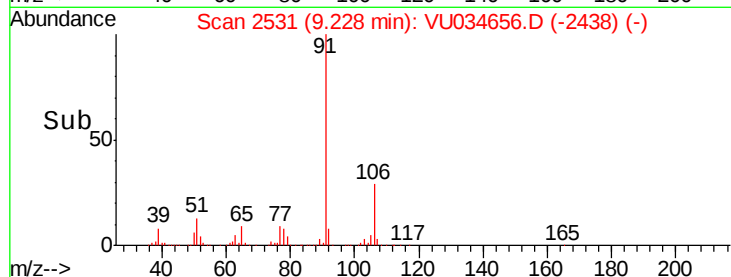
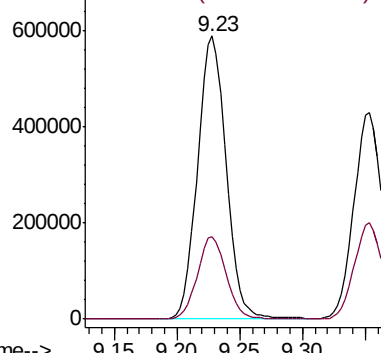
Ion Ratio Lower Upper

91 100

106 29.2 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU034656.D (-2438) (-)



#53

m,p-Xylene

Concen: 47.755 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034656.D

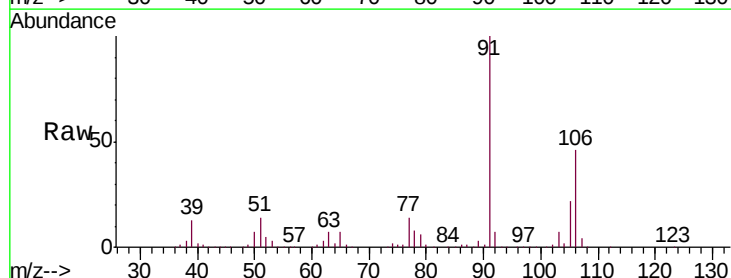
Acq: 19 Sep 2019 18:17

Tgt Ion: 106 Resp: 330405

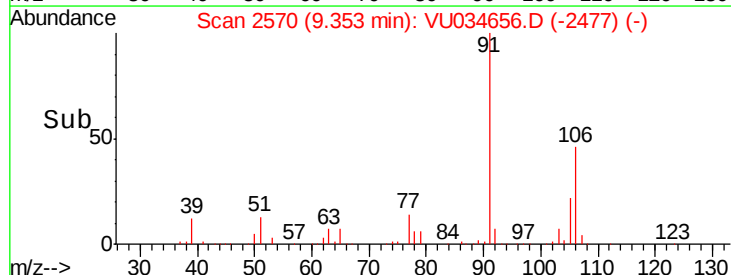
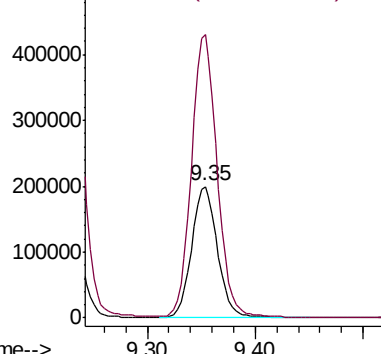
Ion Ratio Lower Upper

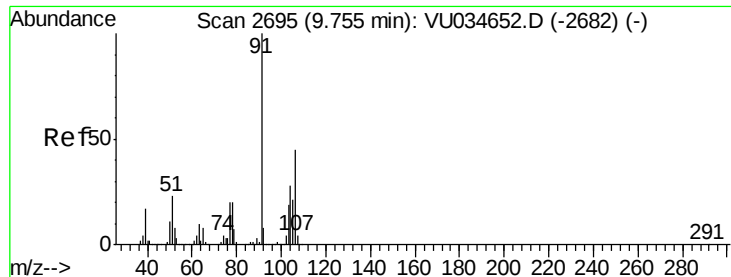
106 100

91 215.2 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): VU034656.D (-2477) (-)





#54

o-xylene

Concen: 47.794 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

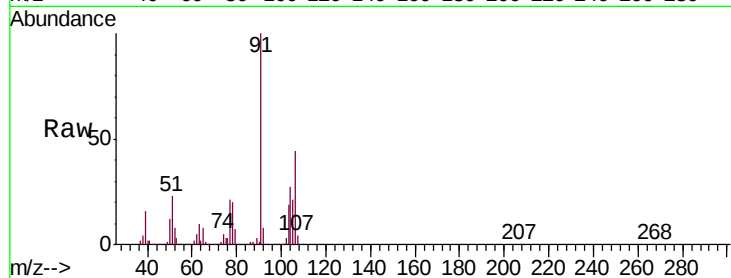
VSTD05058

Tgt Ion:106 Resp: 327069

Ion Ratio Lower Upper

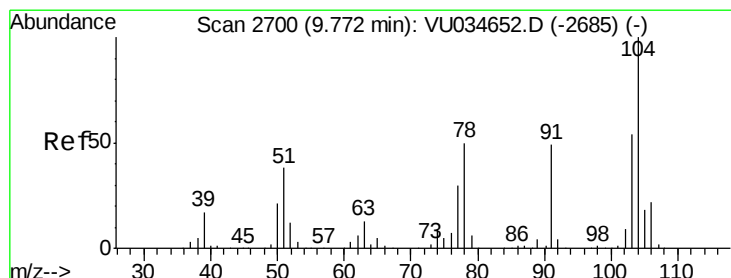
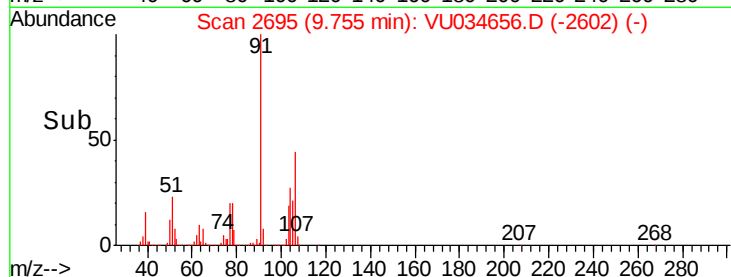
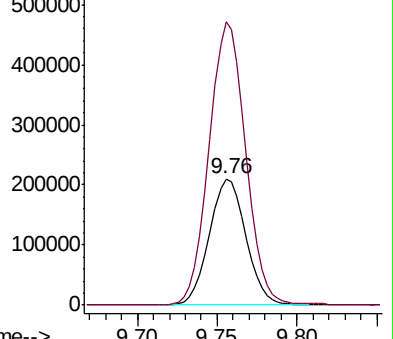
106 100

91 224.8 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 48.098 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VU034656.D

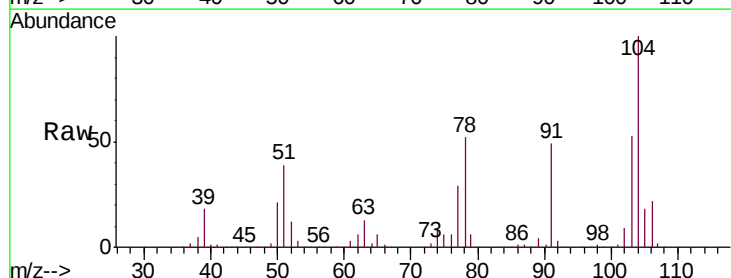
Acq: 19 Sep 2019 18:17

Tgt Ion:104 Resp: 557152

Ion Ratio Lower Upper

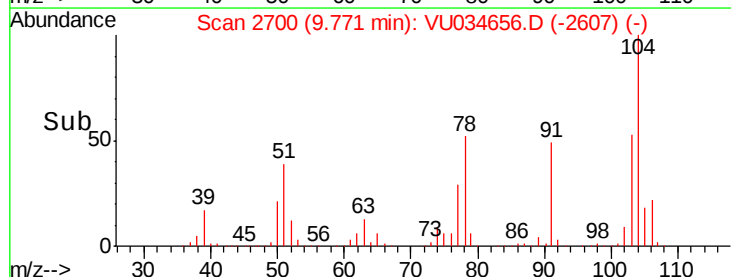
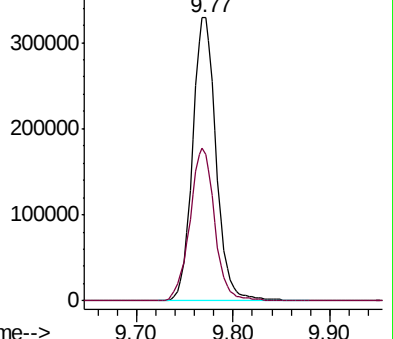
104 100

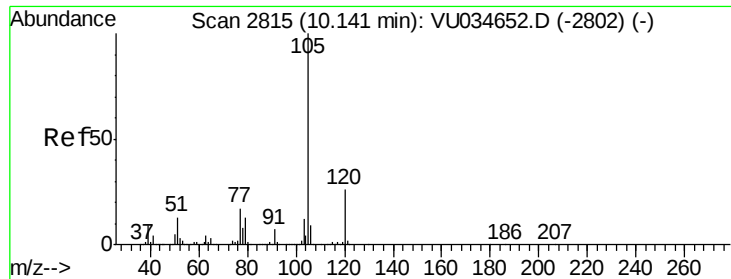
78 51.9 35.1 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 47.232 ug/L

RT: 10.14 min Scan# 2815

Delta R.T. 0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

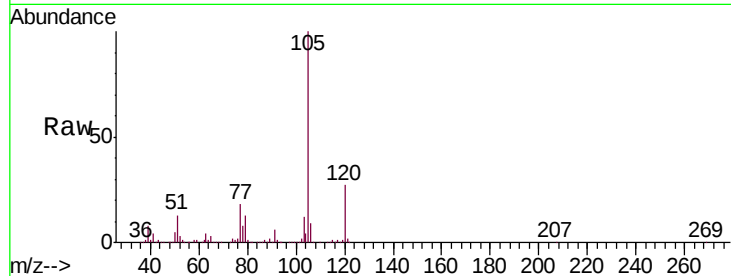
Tgt Ion: 105 Resp: 871520

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

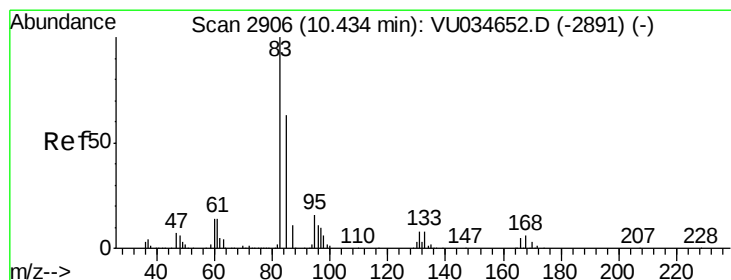
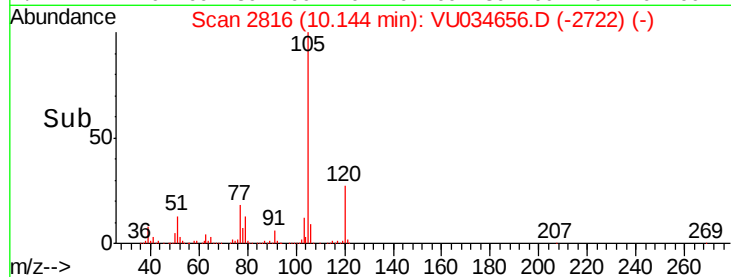
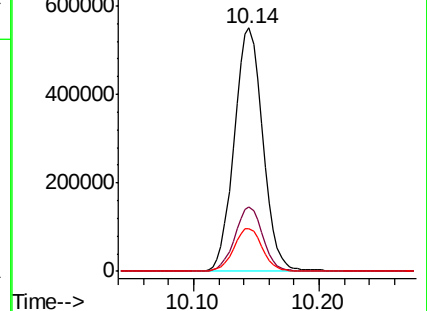
77 17.6 14.2 21.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.291 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

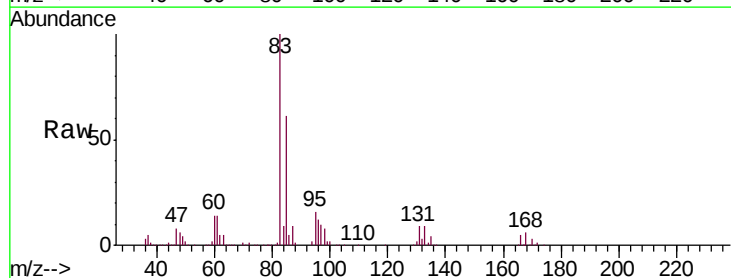
Tgt Ion: 83 Resp: 347732

Ion Ratio Lower Upper

83 100

85 60.8 44.6 82.8

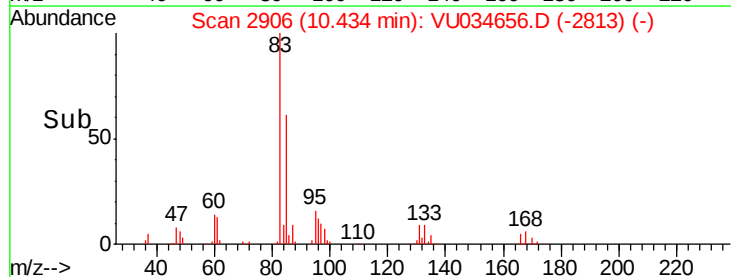
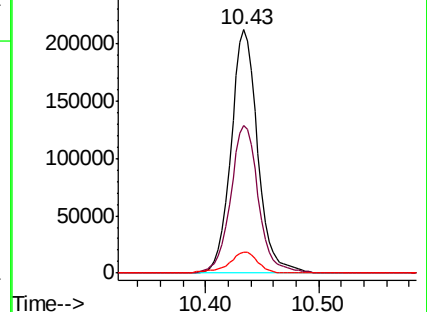
131 8.8 6.6 10.0

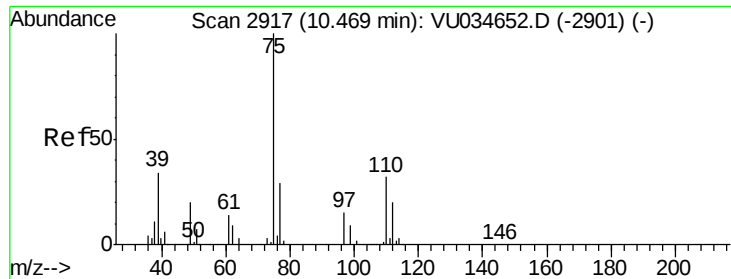


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.316 ug/L

RT: 10.47 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

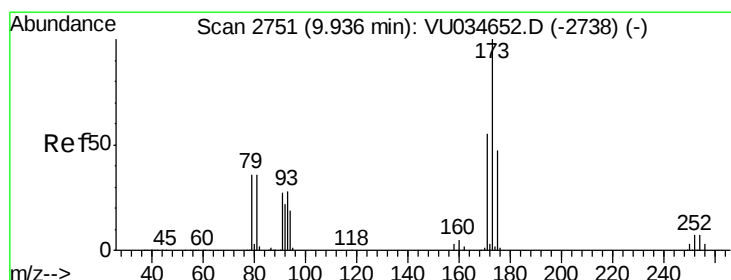
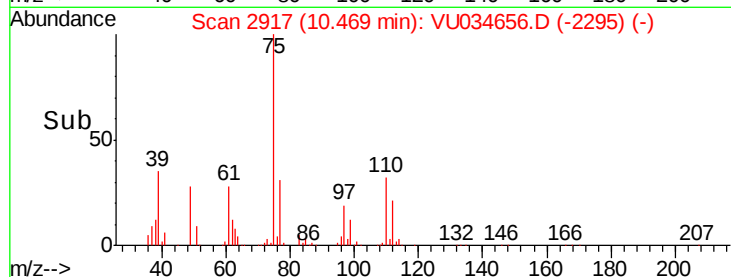
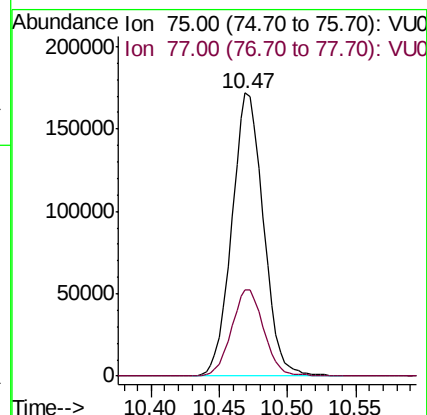
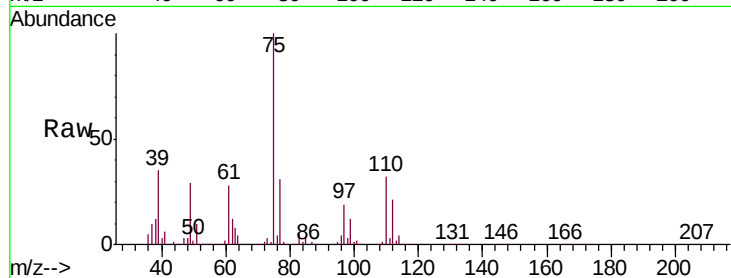
VSTD05058

Tgt Ion: 75 Resp: 276480

Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0



#61

Bromoform

Concen: 49.456 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

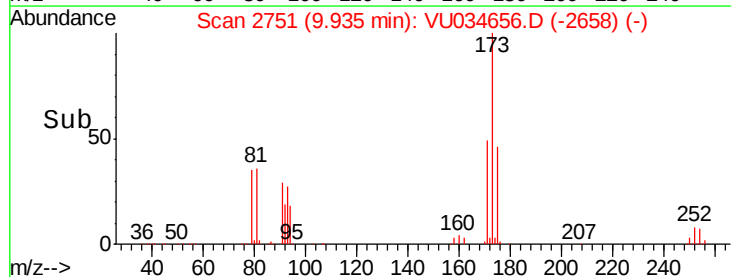
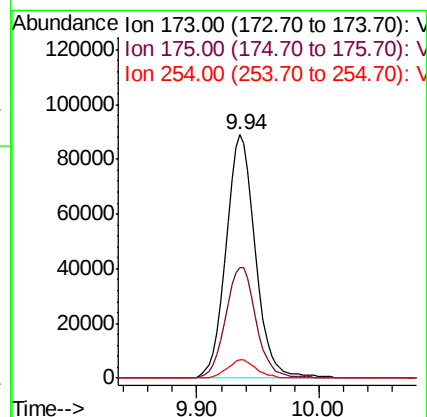
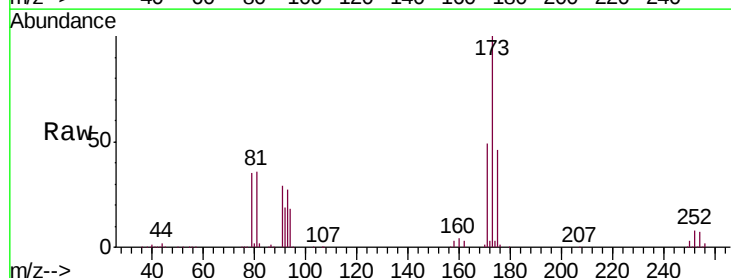
Tgt Ion: 173 Resp: 150191

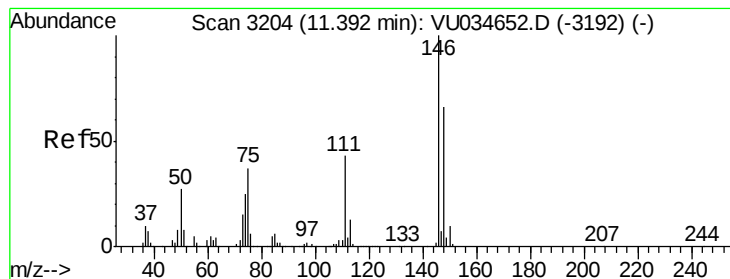
Ion Ratio Lower Upper

173 100

175 47.8 38.8 58.2

254 7.3 5.3 7.9





#62

1,3-Dichlorobenzene

Concen: 47.867 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

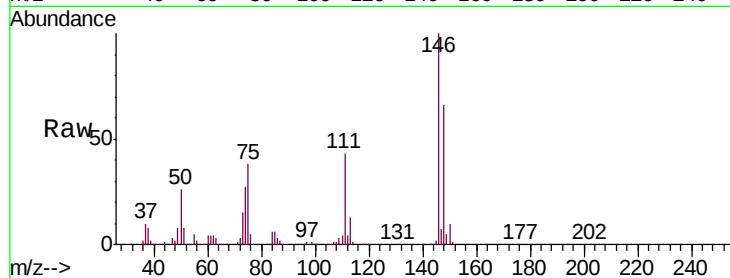
Tgt Ion:146 Resp: 365627

Ion Ratio Lower Upper

146 100

111 43.0 30.4 56.5

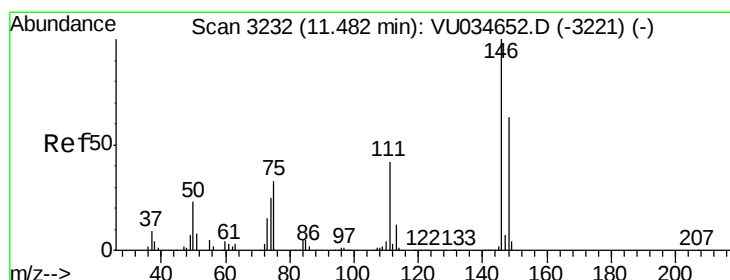
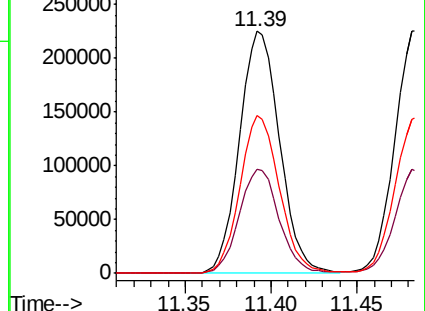
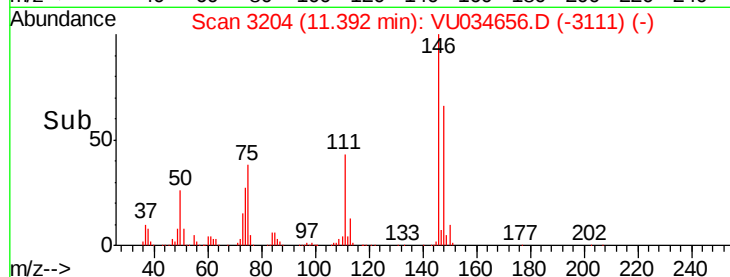
148 65.5 46.1 85.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.358 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

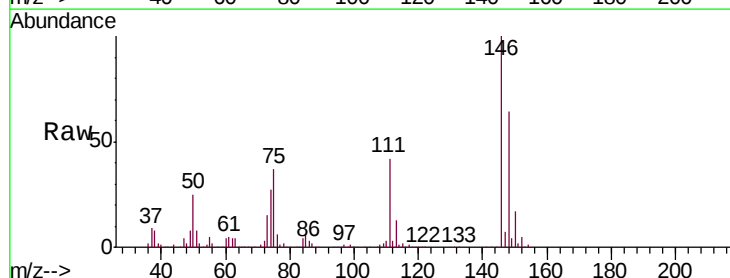
Tgt Ion:146 Resp: 368502

Ion Ratio Lower Upper

146 100

111 42.3 29.5 54.9

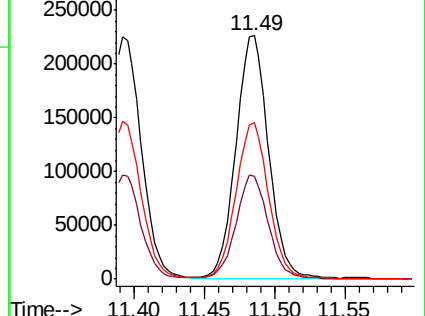
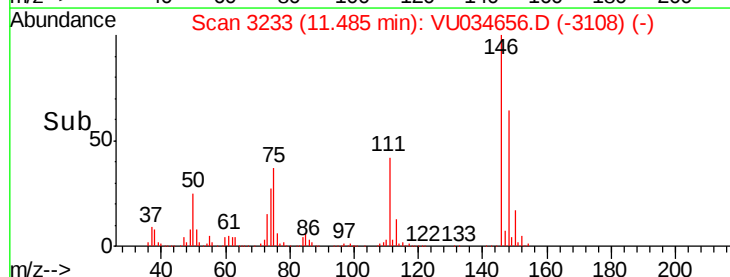
148 64.2 44.4 82.4

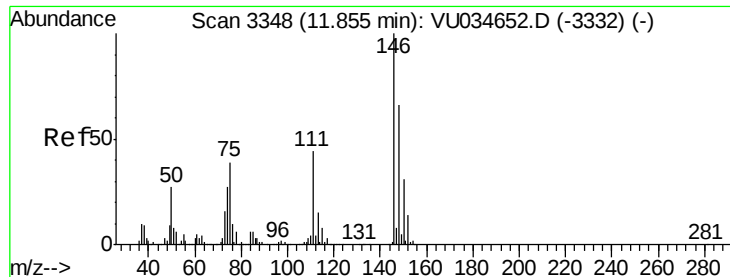


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

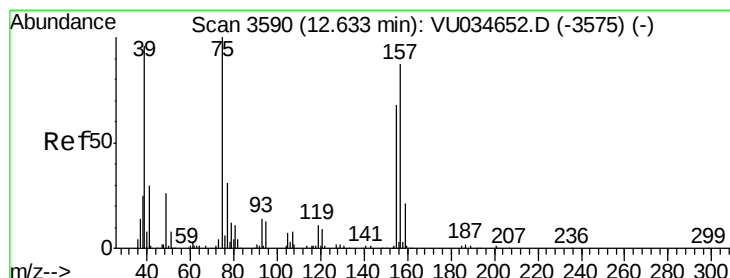
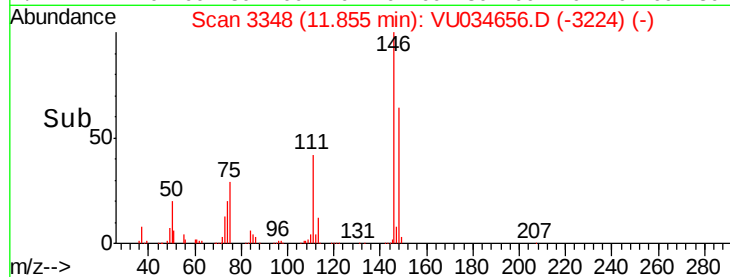
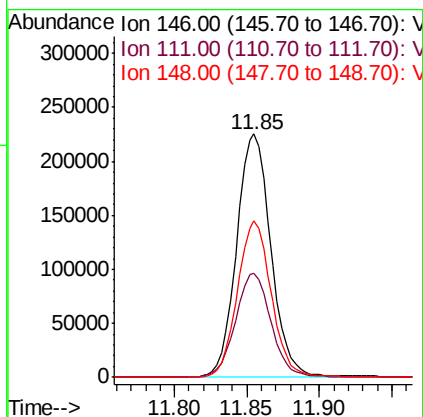
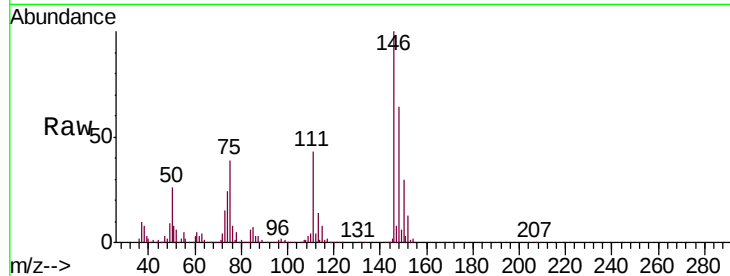




#65
 1,2-Dichlorobenzene
 Concen: 47.852 ug/L
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034656.D
 Acq: 19 Sep 2019 18:17

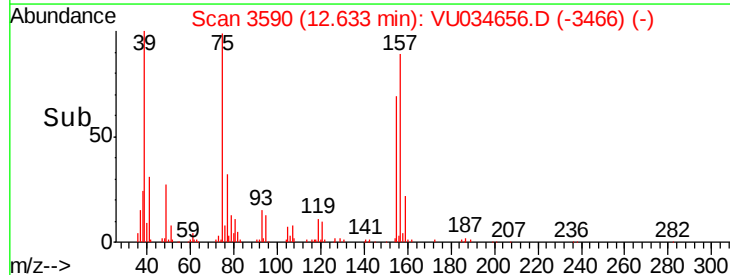
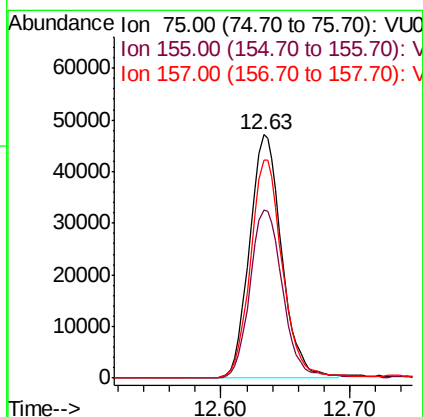
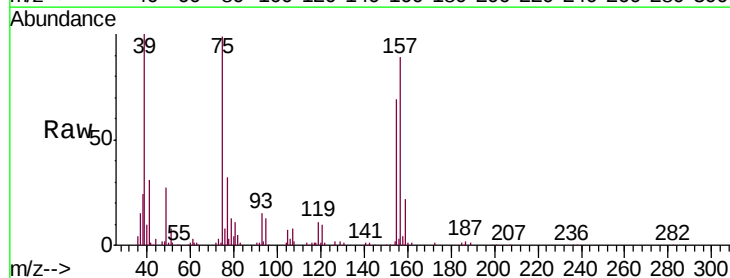
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

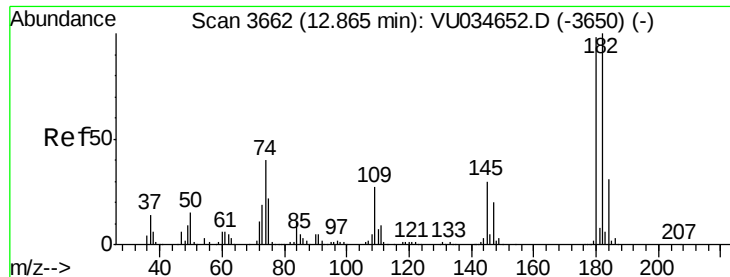
Tgt Ion:146 Resp: 369316
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.2 52.8
 148 64.3 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.971 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.00 min
 Lab File: VU034656.D
 Acq: 19 Sep 2019 18:17

Tgt Ion: 75 Resp: 81976
 Ion Ratio Lower Upper
 75 100
 155 69.2 54.7 82.1
 157 89.4 69.9 104.9

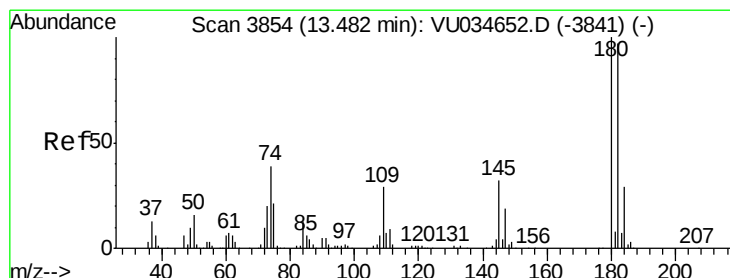
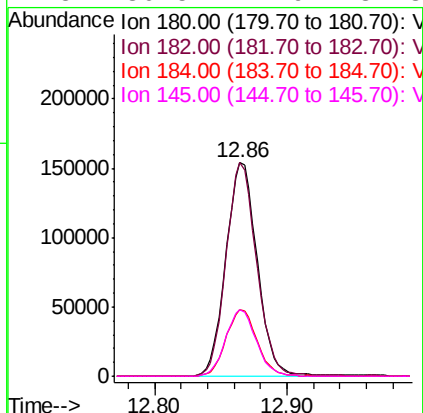
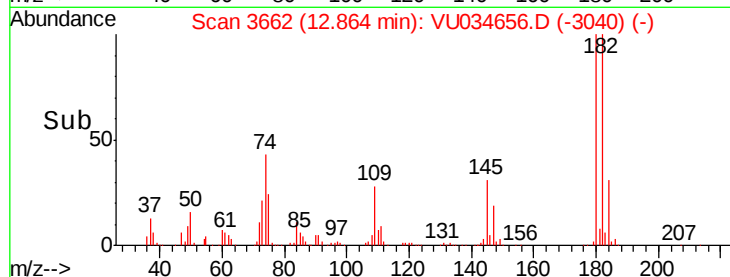
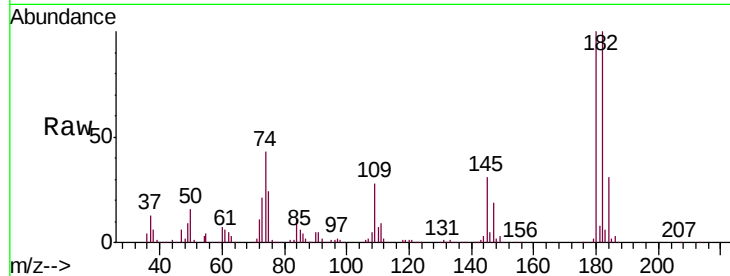




#67
 1,3,5-Trichlorobenzene
 Concen: 49.484 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034656.D
 Acq: 19 Sep 2019 18:17

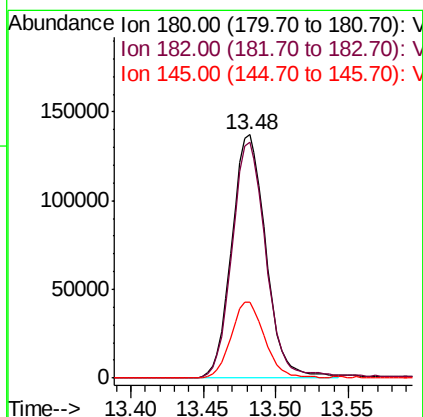
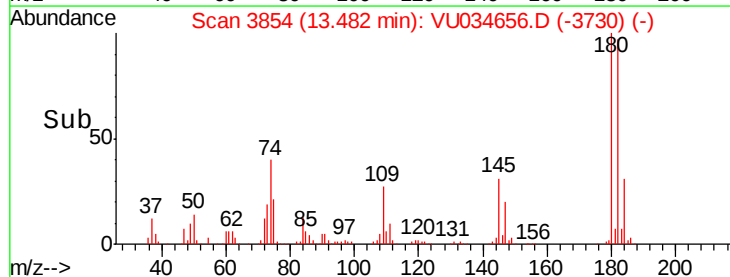
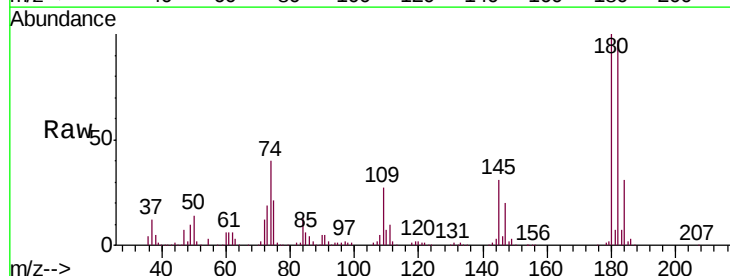
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

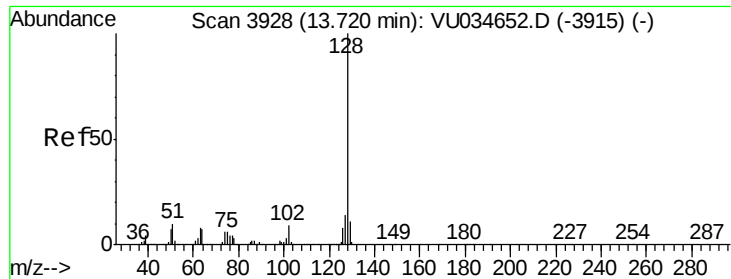
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	79.2	118.8
184	30.7	24.6	36.8
145	30.5	24.9	37.3



#68
 1,2,4-trichlorobenzene
 Concen: 55.787 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034656.D
 Acq: 19 Sep 2019 18:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.7	113.5
145	31.0	25.2	37.8





#69

Naphthalene

Concen: 57.803 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

Instrument :

MSVOA_U

ClientSampleId :

VSTD05058

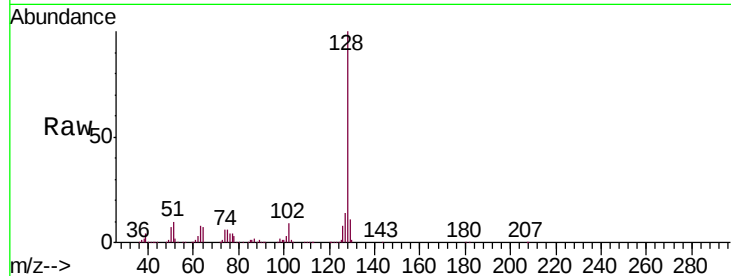
Tgt Ion:128 Resp: 805345

Ion Ratio Lower Upper

128 100

127 13.8 10.8 16.2

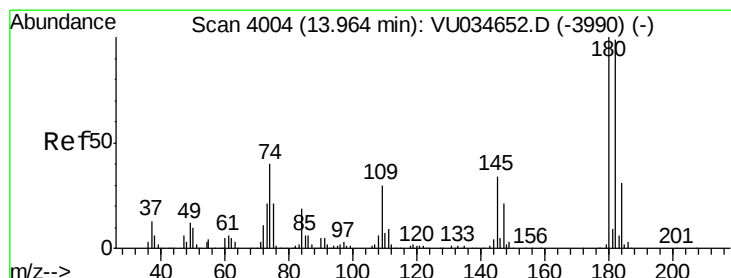
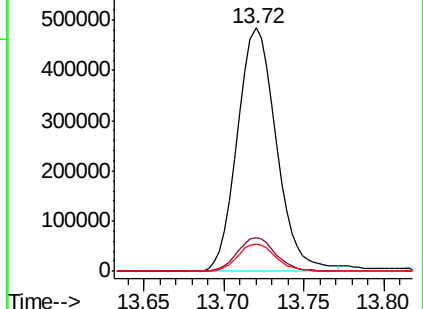
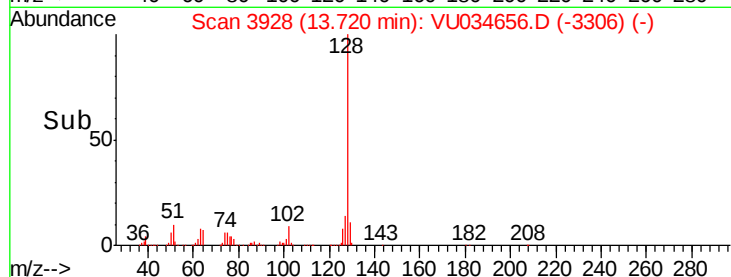
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 54.563 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034656.D

Acq: 19 Sep 2019 18:17

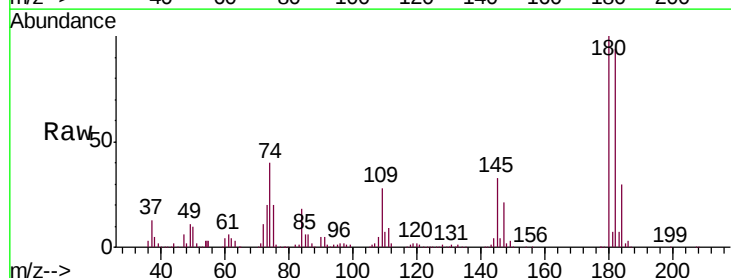
Tgt Ion:180 Resp: 225954

Ion Ratio Lower Upper

180 100

182 96.5 79.2 118.8

145 33.3 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

