

Data File : VU034580.D
Acq On : 16 Sep 2019 21:16
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Quant Time: Sep 17 03:00:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091619WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 17 02:36:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	294975	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	273310	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	125732	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	71215	50.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.08%
7) Chloroethane-d5	1.67	69	58762	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.38%
11) 1,1-Dichloroethene-d2	2.26	63	151679	52.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.18%
21) 2-Butanone-d5	4.15	46	190904	118.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	118.96%
24) Chloroform-d	4.62	84	174422	53.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.96%
26) 1,2-Dichloroethane-d4	5.29	65	105535	53.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.06%
32) Benzene-d6	5.32	84	321364	53.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.94%
36) 1,2-Dichloropropane-d6	6.31	67	120335	53.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.58%
41) Toluene-d8	7.54	98	309543	53.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.10%
43) trans-1,3-Dichloropropene-	7.83	79	56480	52.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.86%
47) 2-Hexanone-d5	8.29	63	138851	114.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.42%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	186625	53.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.78%
64) 1,2-Dichlorobenzene-d4	11.84	152	118944	53.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.06%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	99116	54.538 ug/L	99
3) Chloromethane	1.32	50	98899	53.322 ug/L	100
5) Vinyl chloride	1.40	62	101153	55.551 ug/L	97
6) Bromomethane	1.62	94	53225	55.915 ug/L	98
8) Chloroethane	1.69	64	60161	57.661 ug/L	98
9) Trichlorofluoromethane	1.87	101	141106	54.763 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	82605	53.802 ug/L	95
12) 1,1-Dichloroethene	2.27	96	74423	53.084 ug/L	95
13) Acetone	2.31	43	128513	89.114 ug/L	99
14) Carbon disulfide	2.46	76	180518	52.449 ug/L	99
15) Methyl Acetate	2.60	43	137769	58.369 ug/L	98
16) Methylene chloride	2.68	84	99545	53.725 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	79582	53.039 ug/L	93
18) Methyl tert-butyl Ether	2.98	73	341147	54.917 ug/L	99
19) 1,1-Dichloroethane	3.42	63	185856	55.019 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	103412	53.218 ug/L	98
22) 2-Butanone	4.23	43	209100	113.977 ug/L	98

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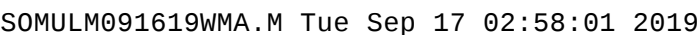
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

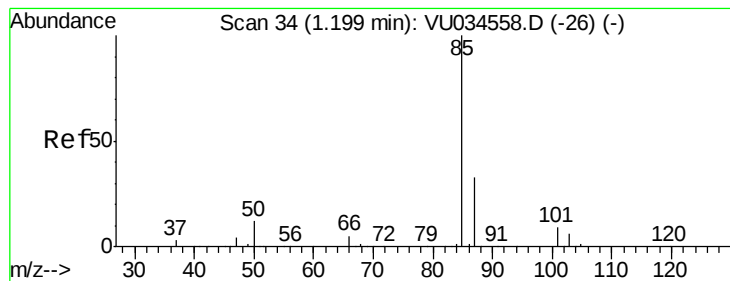
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Quant Title : VOC Analysis
QLast Update : Tue Sep 17 02:36:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	47948	52.265	ug/L	96
25) Chloroform	4.65	83	188124	53.252	ug/L	100
27) 1,2-Dichloroethane	5.38	62	148052	59.189	ug/L	97
29) Cyclohexane	4.97	56	148314	55.664	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	153244	56.111	ug/L	99
31) Carbon tetrachloride	5.11	117	127579	55.333	ug/L	100
33) Benzene	5.37	78	387039	55.827	ug/L	100
34) Trichloroethene	6.16	95	95299	55.183	ug/L	93
35) Methylcyclohexane	6.39	83	142161	54.299	ug/L	98
37) 1,2-Dichloropropane	6.41	63	118704	56.413	ug/L	100
38) Bromodichloromethane	6.73	83	153688	55.871	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	181682	57.470	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	430553	117.632	ug/L	98
42) Toluene	7.61	91	421090	56.333	ug/L	97
44) trans-1,3-Dichloropropene	7.86	75	160787	55.466	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	107816	56.147	ug/L	96
46) Tetrachloroethene	8.21	164	59778	52.147	ug/L	99
48) 2-Hexanone	8.34	43	318300	115.756	ug/L	98
49) Dibromochloromethane	8.45	129	119077	54.754	ug/L	100
50) 1,2-Dibromoethane	8.56	107	109993	54.803	ug/L	98
51) Chlorobenzene	9.10	112	263420	53.941	ug/L	98
52) Ethylbenzene	9.23	91	474643	54.881	ug/L	100
53) m,p-Xylene	9.35	106	166666	53.601	ug/L	98
54) o-xylene	9.76	106	175527	55.642	ug/L	96
55) Styrene	9.77	104	301007	55.437	ug/L	99
56) Isopropylbenzene	10.14	105	467978	55.156	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	212072	55.537	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	160091	55.700	ug/L	100
61) Bromoform	9.94	173	80838	52.211	ug/L	98
62) 1,3-Dichlorobenzene	11.39	146	194093	53.384	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	190559	51.905	ug/L	98
65) 1,2-Dichlorobenzene	11.85	146	200366	54.633	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.63	75	48084	57.871	ug/L	90
67) 1,3,5-Trichlorobenzene	12.86	180	122597	51.735	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	106276	52.499	ug/L	99
69) Naphthalene	13.72	128	439360	58.745	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	107173	51.714	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 54.538 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

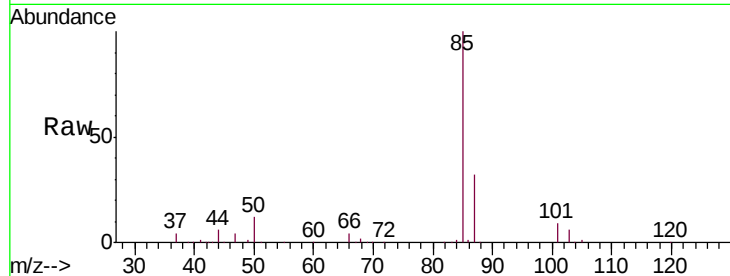
VSTD05054

Tgt Ion: 85 Resp: 99116

Ion Ratio Lower Upper

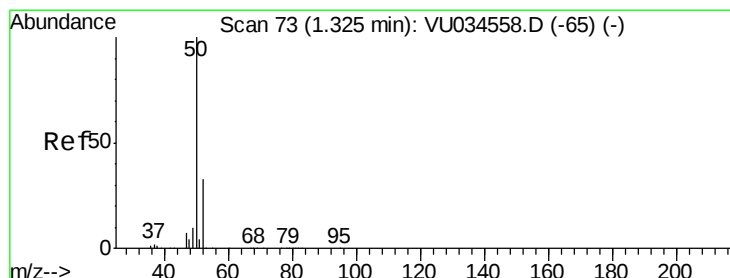
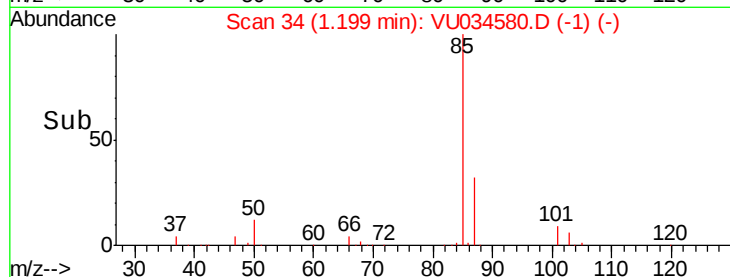
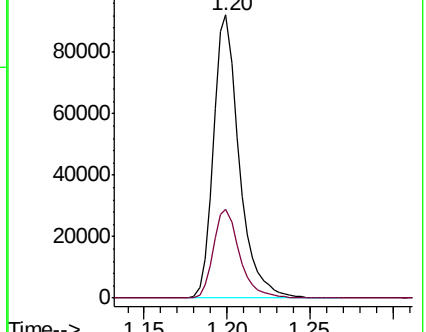
85 100

87 32.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU034580.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU034580.D (-1) (-)



#3

Chloromethane

Concen: 53.322 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034580.D

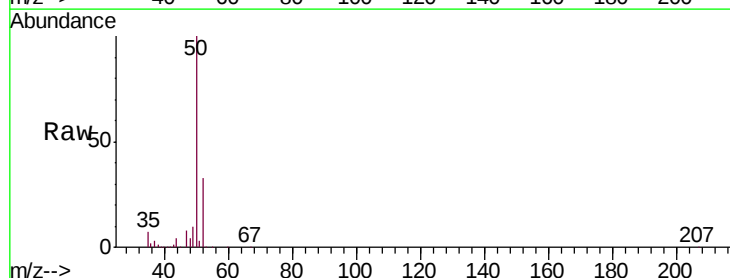
Acq: 16 Sep 2019 21:16

Tgt Ion: 50 Resp: 98899

Ion Ratio Lower Upper

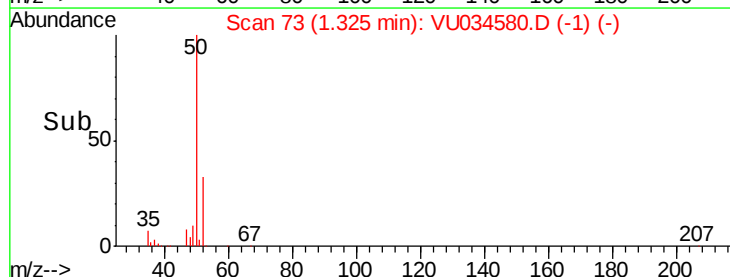
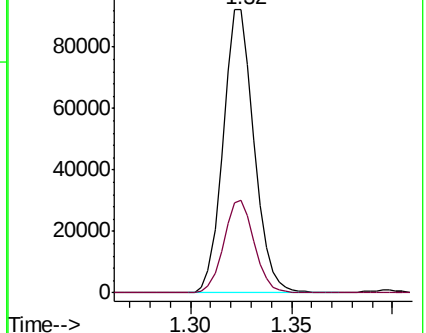
50 100

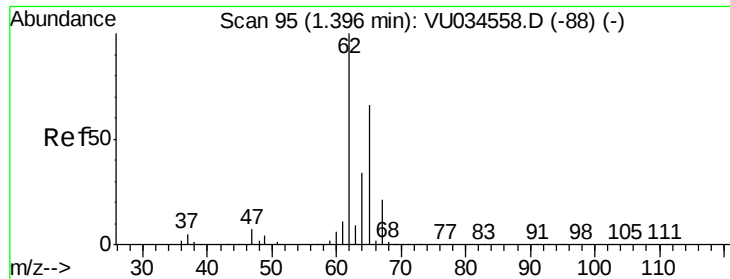
52 32.9 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VU034580.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU034580.D (-1) (-)





#5

Vinyl chloride

Concen: 55.551 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

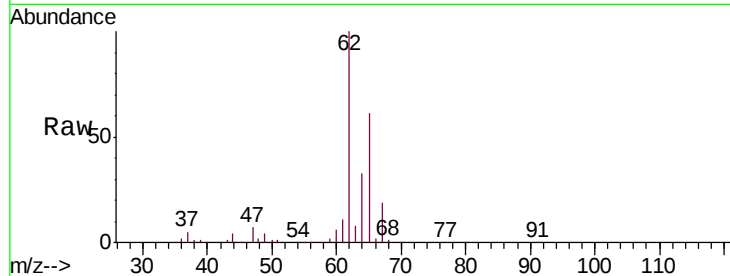
VSTD05054

Tgt Ion: 62 Resp: 101153

Ion Ratio Lower Upper

62 100

64 32.6 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU034558.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034558.D (-88) (-)

1.40

100000

80000

60000

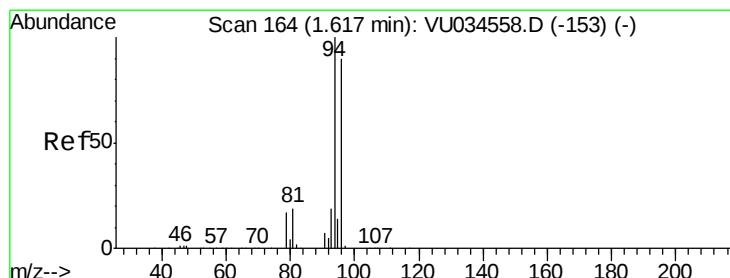
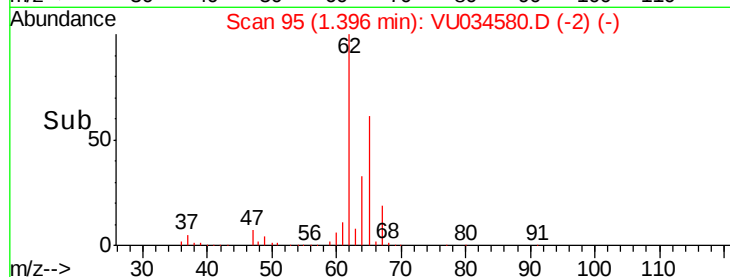
40000

20000

0

1.35 1.40 1.45

Time-->



#6

Bromomethane

Concen: 55.915 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU034580.D

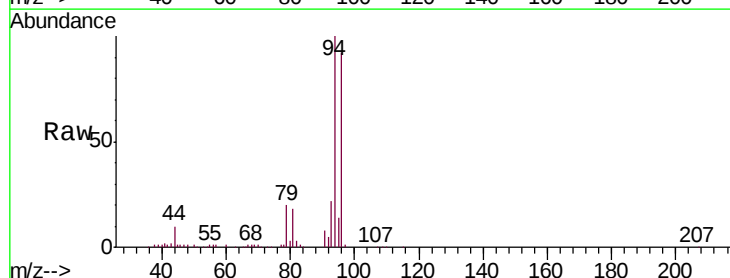
Acq: 16 Sep 2019 21:16

Tgt Ion: 94 Resp: 53225

Ion Ratio Lower Upper

94 100

96 91.6 62.9 116.9



Abundance Ion 94.00 (93.70 to 94.70): VU034558.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU034558.D (-153) (-)

1.62

40000

30000

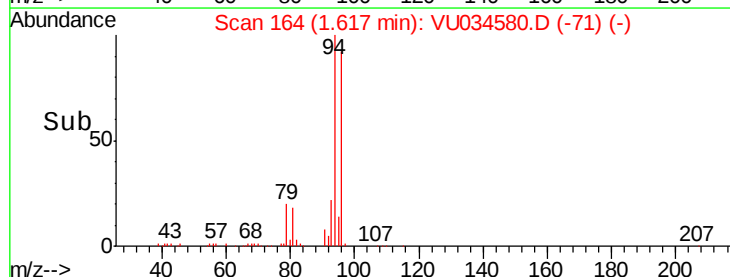
20000

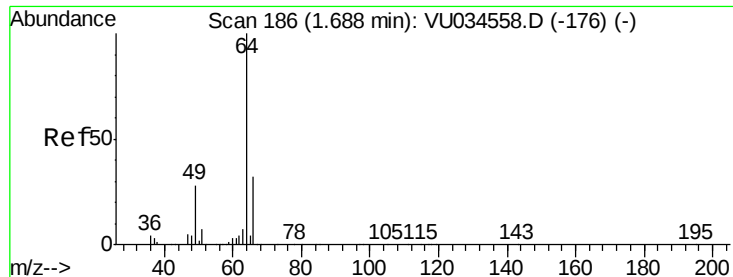
10000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 57.661 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

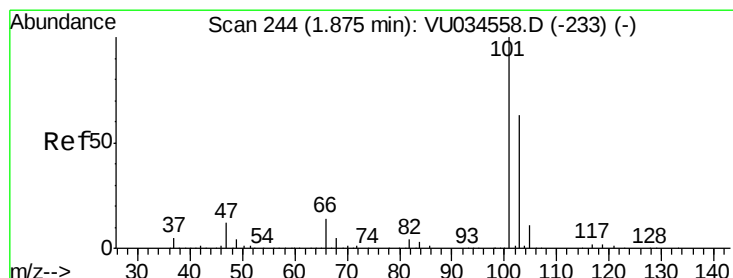
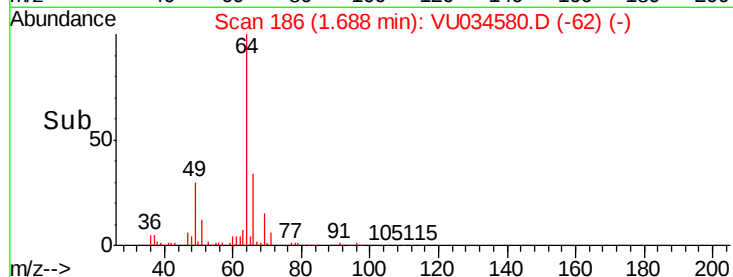
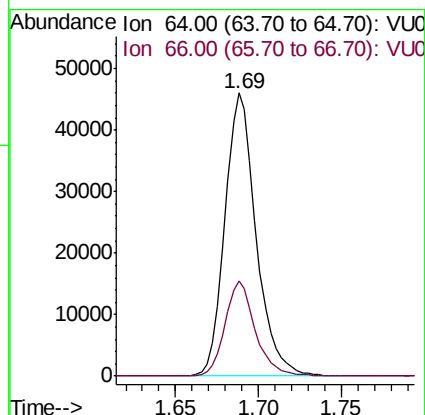
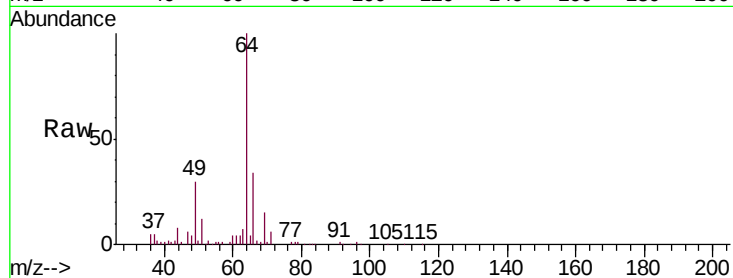
VSTD05054

Tgt Ion: 64 Resp: 60161

Ion Ratio Lower Upper

64 100

66 33.7 22.7 42.1



#9

Trichlorofluoromethane

Concen: 54.763 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034580.D

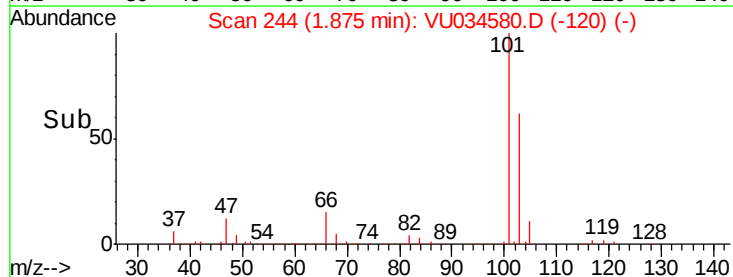
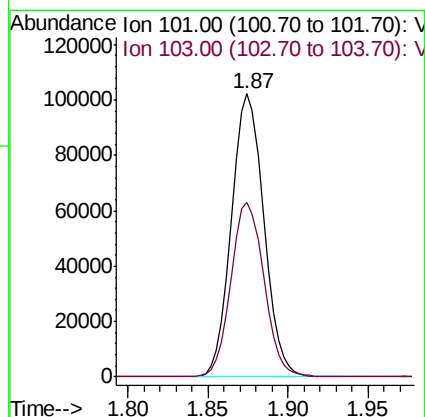
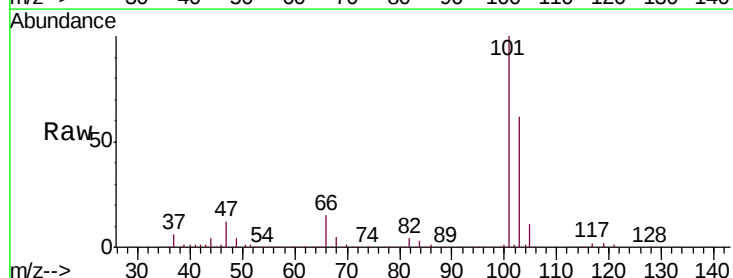
Acq: 16 Sep 2019 21:16

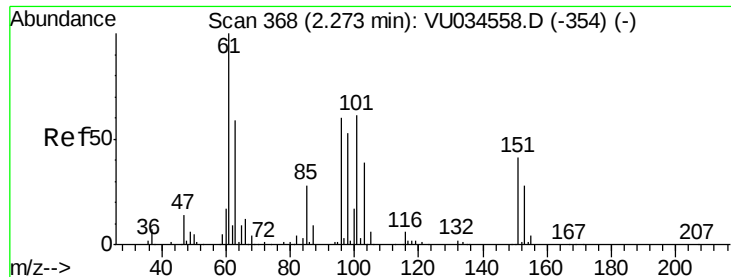
Tgt Ion: 101 Resp: 141106

Ion Ratio Lower Upper

101 100

103 62.8 50.7 76.1





#10

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

Concen: 53.802 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

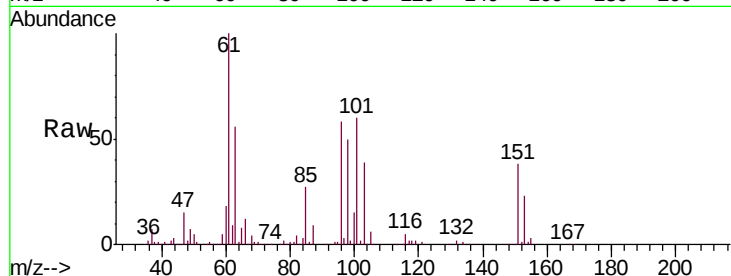
Tgt Ion: 101 Resp: 82605

Ion Ratio Lower Upper

101 100

85 44.1 37.0 55.6

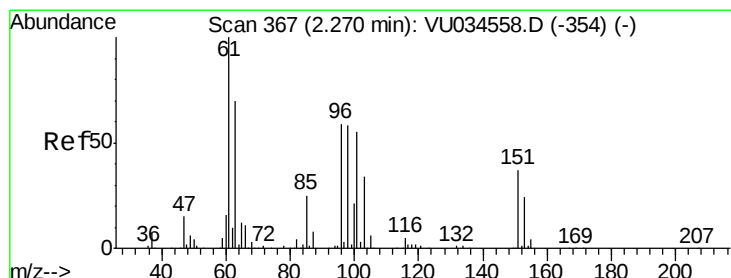
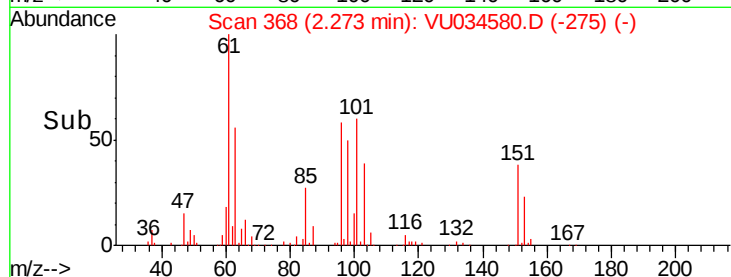
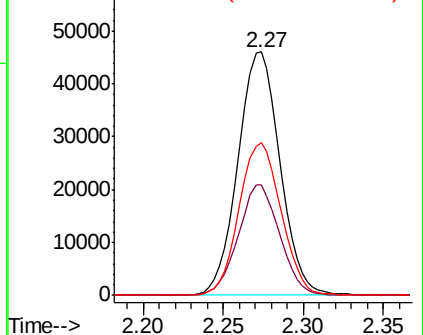
151 62.8 54.1 81.1



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: 53.084 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

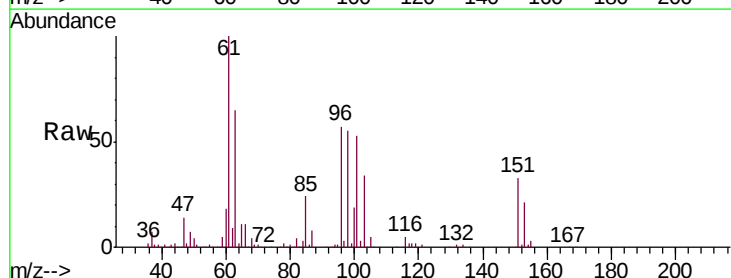
Tgt Ion: 96 Resp: 74423

Ion Ratio Lower Upper

96 100

61 174.8 117.8 218.8

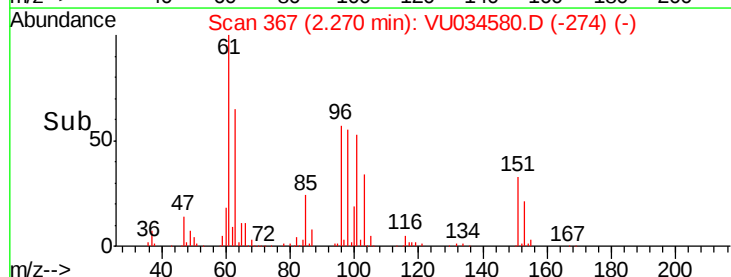
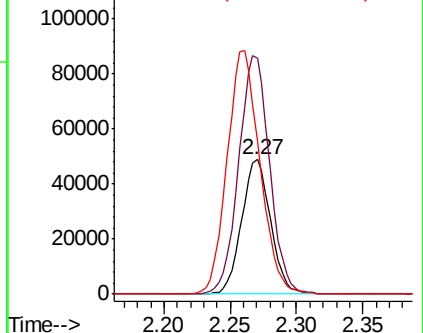
63 113.8 83.8 155.6

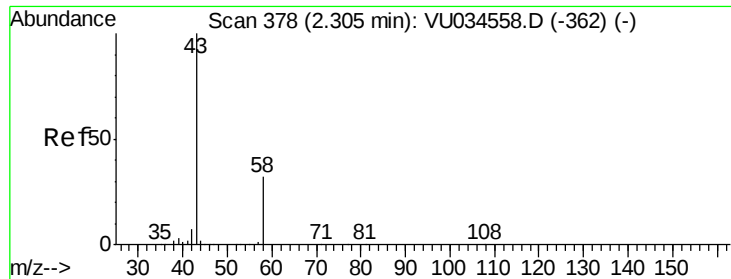


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 89.114 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

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ClientSampleId :

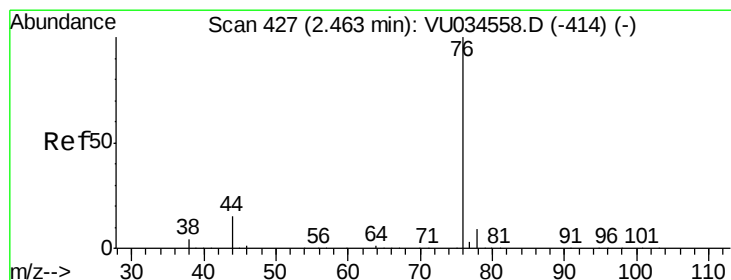
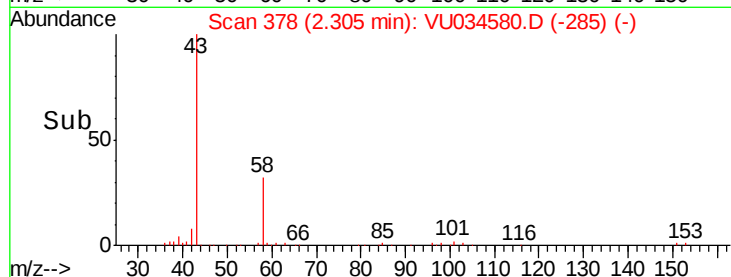
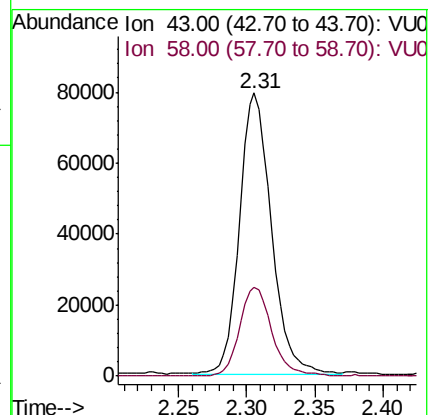
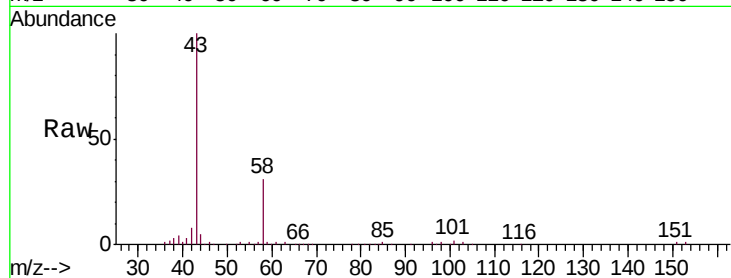
VSTD05054

Tgt Ion: 43 Resp: 128513

Ion Ratio Lower Upper

43 100

58 31.7 0.0 65.0



#14

Carbon disulfide

Concen: 52.449 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VU034580.D

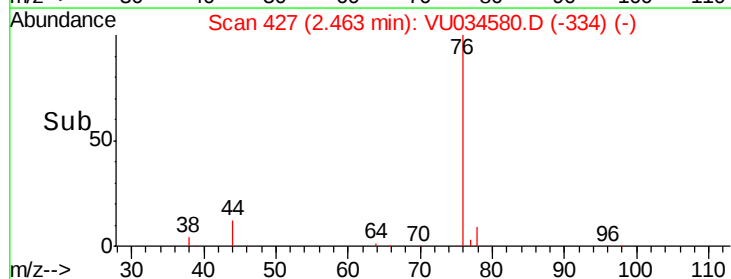
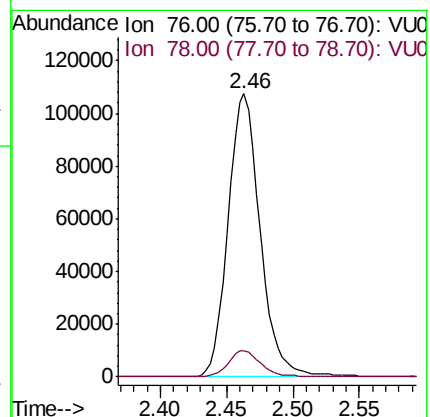
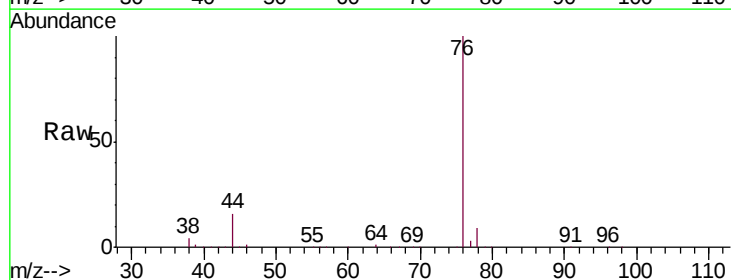
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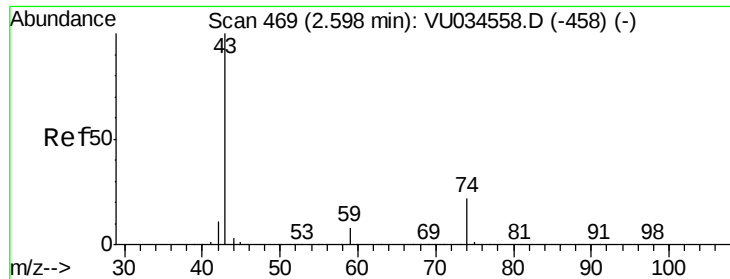
Tgt Ion: 76 Resp: 180518

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7





#15

Methyl Acetate

Concen: 58.369 ug/L

RT: 2.60 min Scan# 469

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

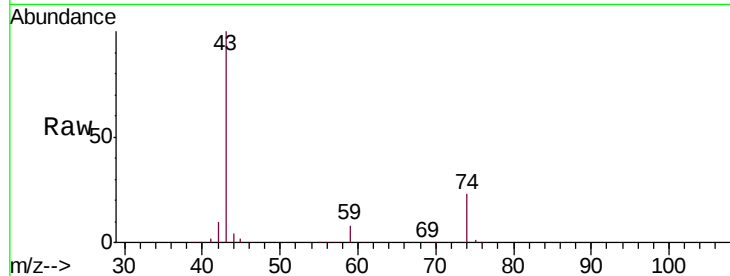
VSTD05054

Tgt Ion: 43 Resp: 137769

Ion Ratio Lower Upper

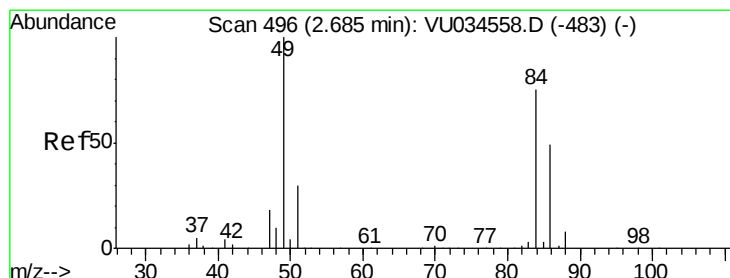
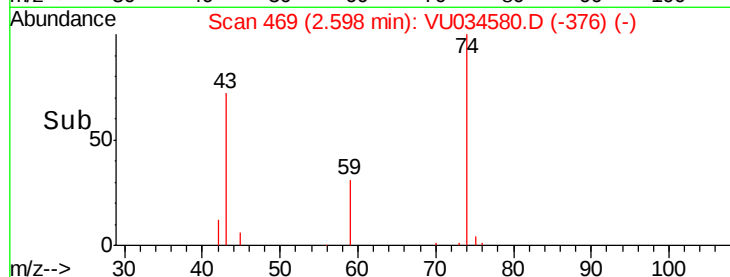
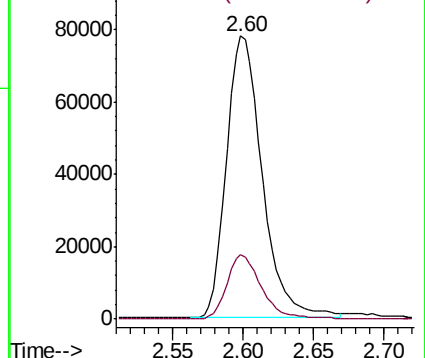
43 100

74 22.4 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VU034580.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034580.D (-458) (-)



#16

Methylene chloride

Concen: 53.725 ug/L

RT: 2.68 min Scan# 496

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

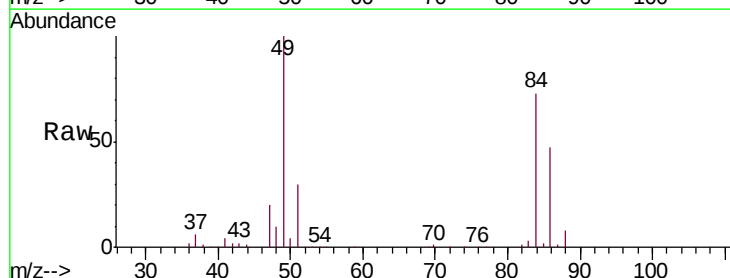
Tgt Ion: 84 Resp: 99545

Ion Ratio Lower Upper

84 100

86 65.3 45.4 84.4

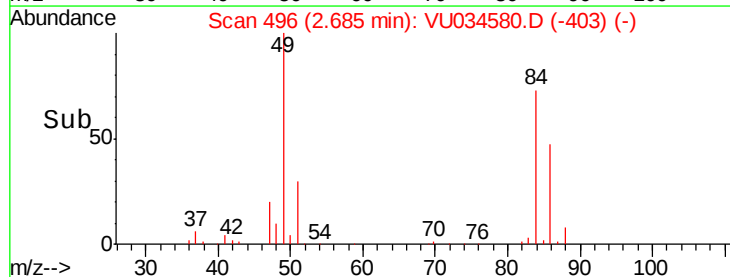
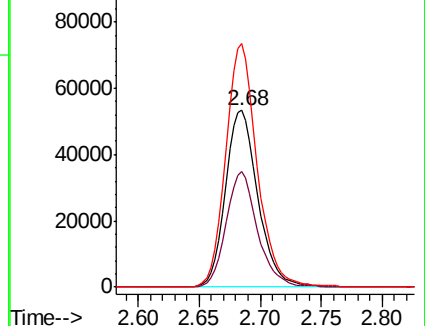
49 137.8 93.1 172.9

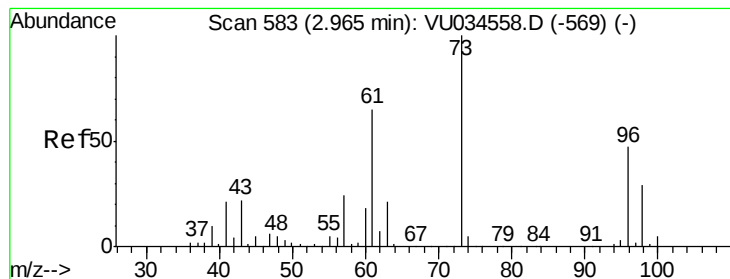


Abundance Ion 84.00 (83.70 to 84.70): VU034580.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU034580.D (-483) (-)

Ion 49.00 (48.70 to 49.70): VU034580.D (-483) (-)





#17

trans-1,2-Dichloroethene

Concen: 53.039 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

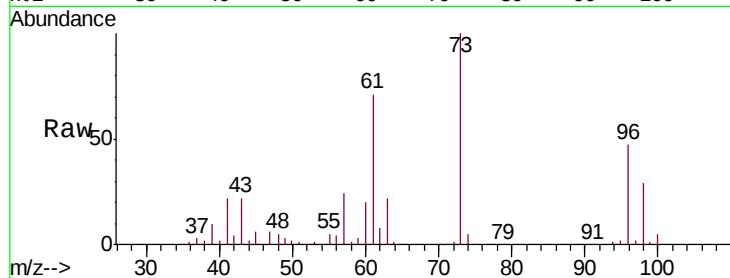
Tgt Ion: 96 Resp: 79582

Ion Ratio Lower Upper

96 100

61 149.9 97.0 180.2

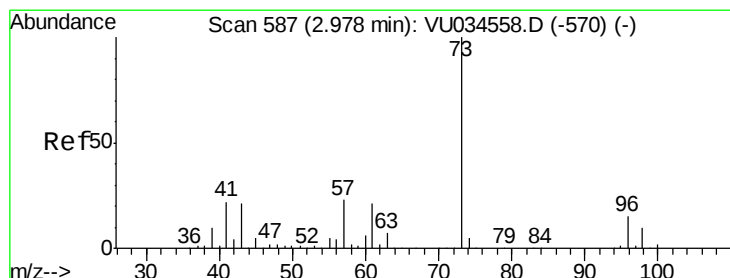
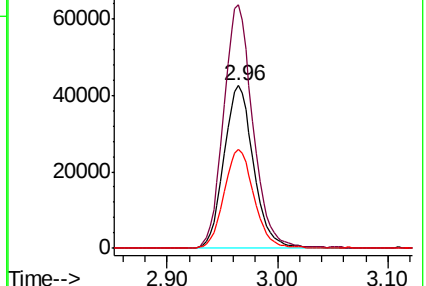
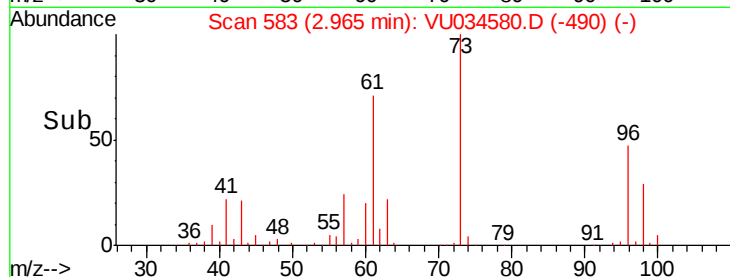
98 60.6 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VU034558.D (-569) (-)

Ion 61.00 (60.70 to 61.70): VU034558.D (-569) (-)

Ion 98.00 (97.70 to 98.70): VU034558.D (-569) (-)



#18

Methyl tert-butyl Ether

Concen: 54.917 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

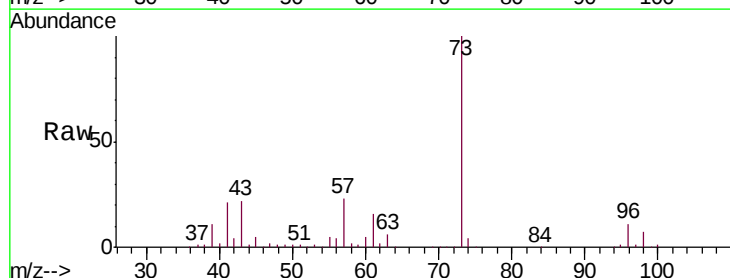
Tgt Ion: 73 Resp: 341147

Ion Ratio Lower Upper

73 100

43 21.4 16.7 25.1

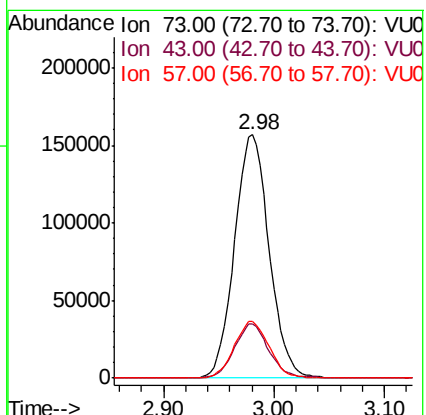
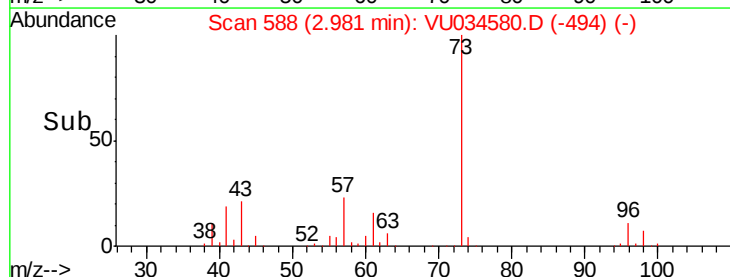
57 23.5 18.6 28.0

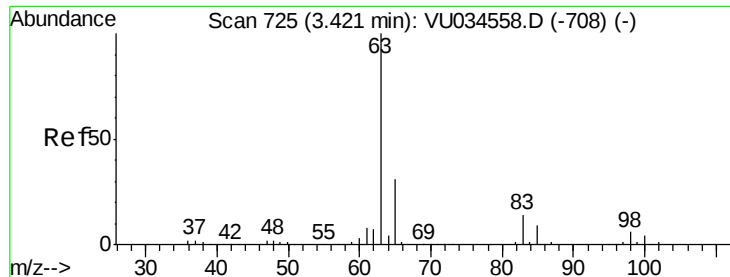


Abundance Ion 73.00 (72.70 to 73.70): VU034558.D (-570) (-)

Ion 43.00 (42.70 to 43.70): VU034558.D (-570) (-)

Ion 57.00 (56.70 to 57.70): VU034558.D (-570) (-)

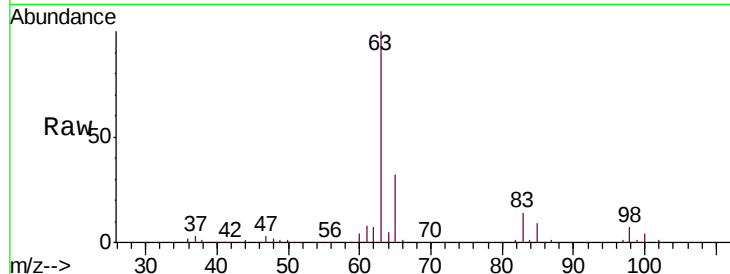




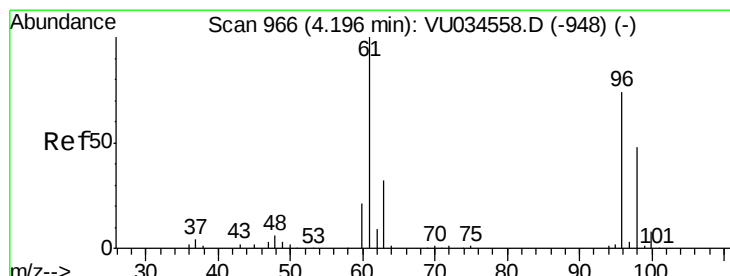
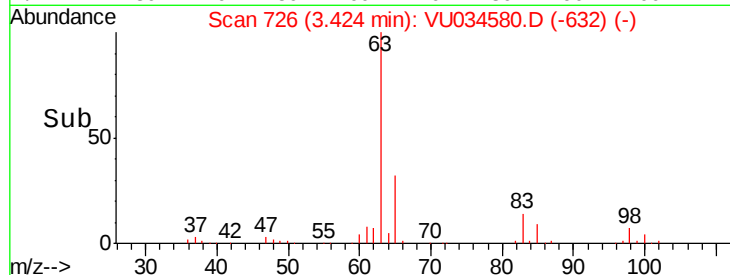
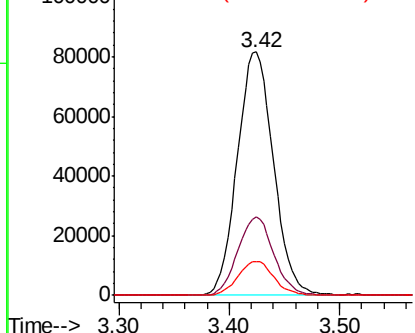
#19
 1,1-Dichloroethane
 Concen: 55.019 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion: 63 Resp: 185856
 Ion Ratio Lower Upper
 63 100
 65 32.1 21.6 40.0
 83 14.0 9.7 17.9

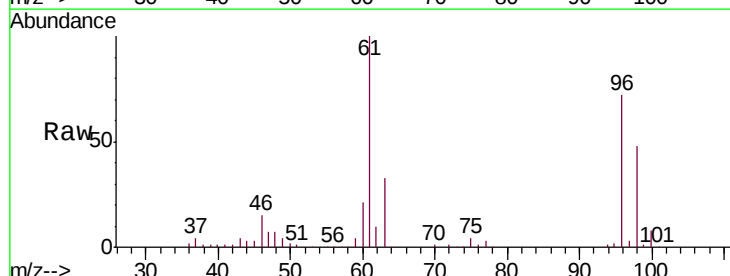


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

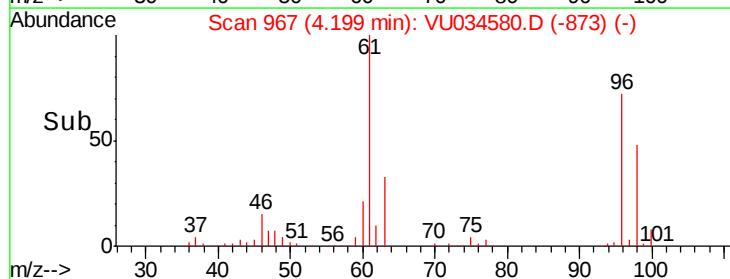
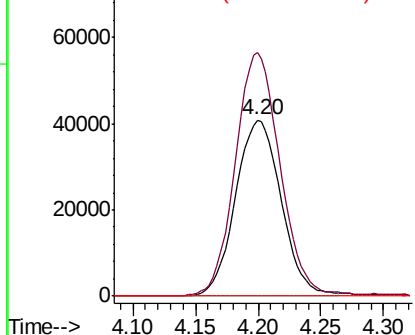


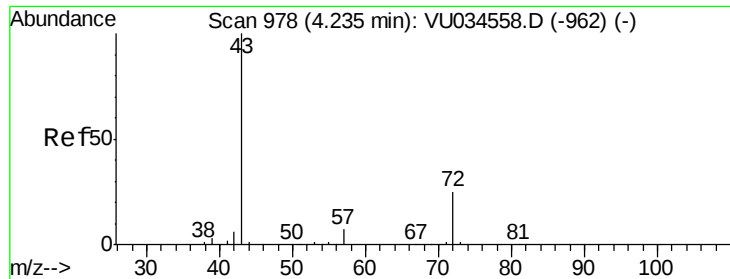
#20
 cis-1,2-Dichloroethene
 Concen: 53.218 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

Tgt Ion: 96 Resp: 103412
 Ion Ratio Lower Upper
 96 100
 61 138.1 94.7 175.9
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 113.977 ug/L

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

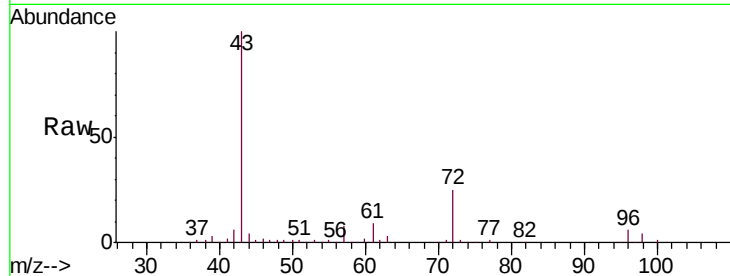
VSTD05054

Tgt Ion: 43 Resp: 209100

Ion Ratio Lower Upper

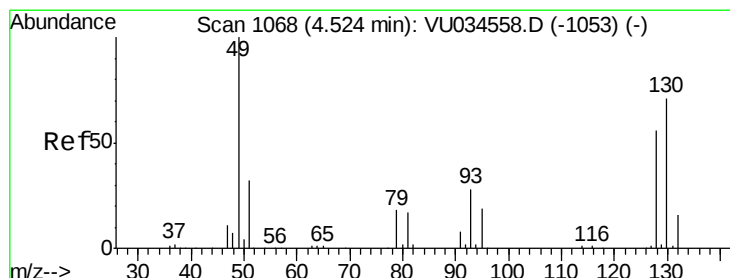
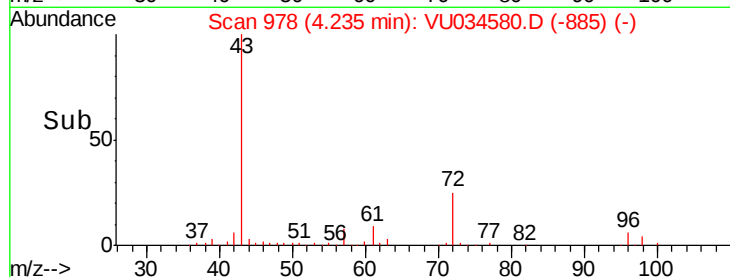
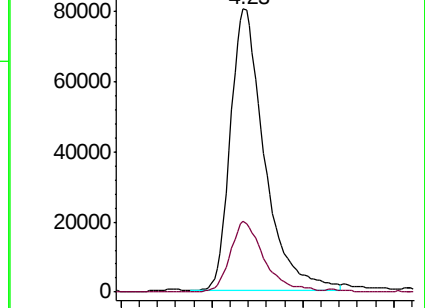
43 100

72 24.8 12.0 36.1



Abundance Ion 43.00 (42.70 to 43.70): VU034558.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034558.D (-962) (-)



#23

Bromochloromethane

Concen: 52.265 ug/L

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Tgt Ion: 128 Resp: 47948

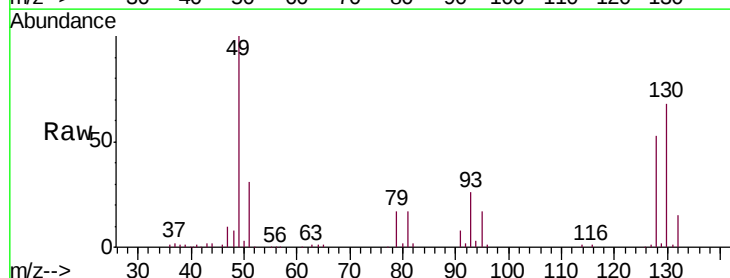
Ion Ratio Lower Upper

128 100

49 189.4 125.6 233.3

130 129.0 89.8 166.8

51 58.8 46.0 69.0

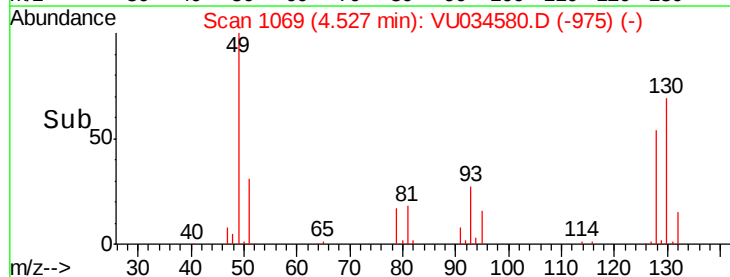
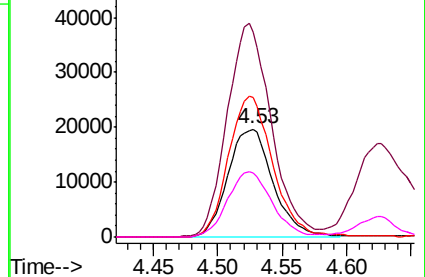


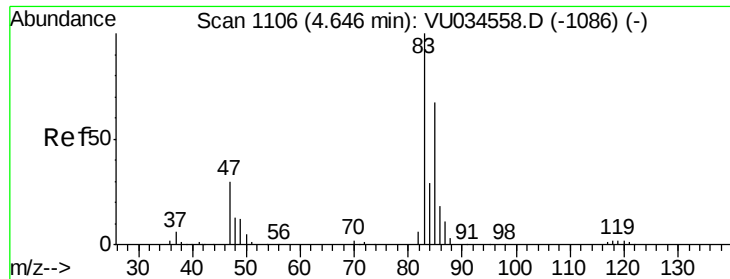
Abundance Ion 128.00 (127.70 to 128.70): VU034558.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034558.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034558.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034558.D (-1053) (-)





#25

Chloroform

Concen: 53.252 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

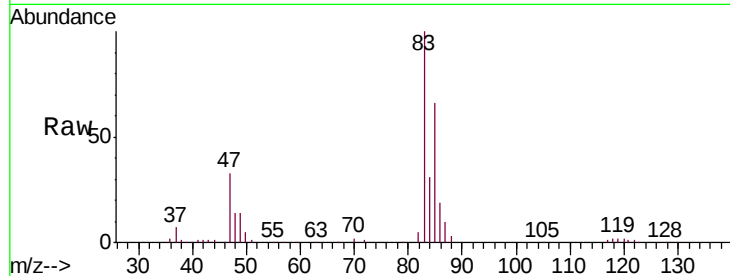
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion: 83 Resp: 188124

Ion Ratio Lower Upper

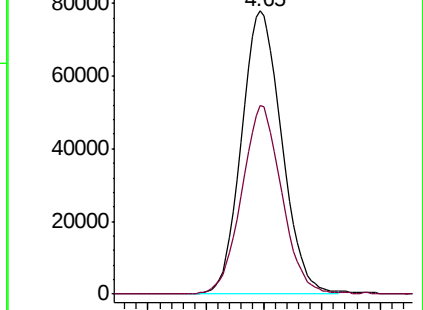
83 100

85 66.5 46.6 86.6

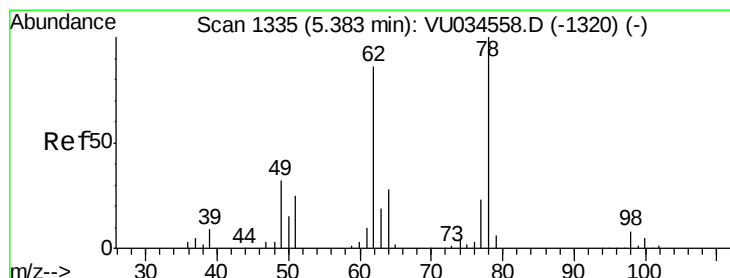
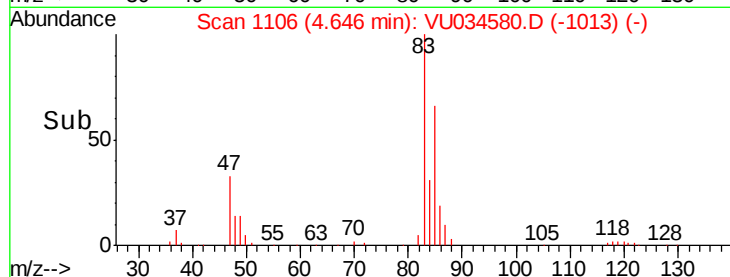


Abundance Ion 83.00 (82.70 to 83.70): VU034580.D (-1086) (-)

Ion 85.00 (84.70 to 85.70): VU034580.D (-1086) (-)



Time-->



#27

1,2-Dichloroethane

Concen: 59.189 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU034580.D

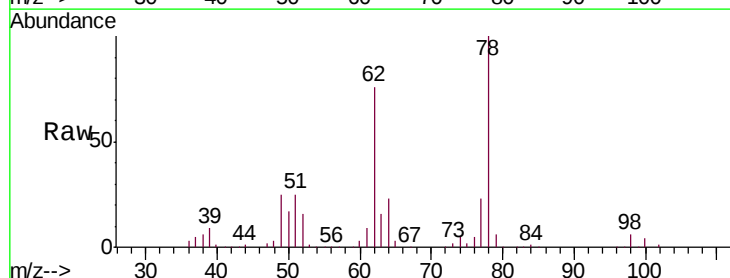
Acq: 16 Sep 2019 21:16

Tgt Ion: 62 Resp: 148052

Ion Ratio Lower Upper

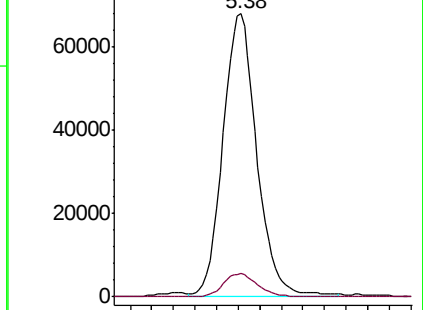
62 100

98 8.2 7.4 11.0

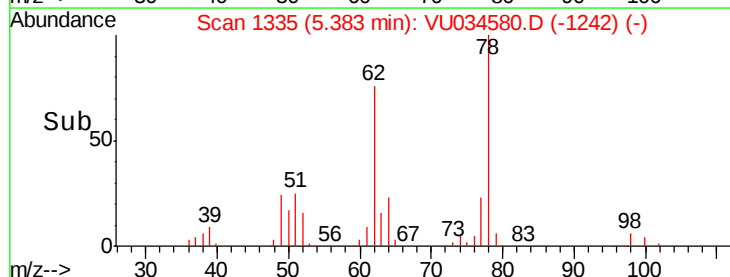


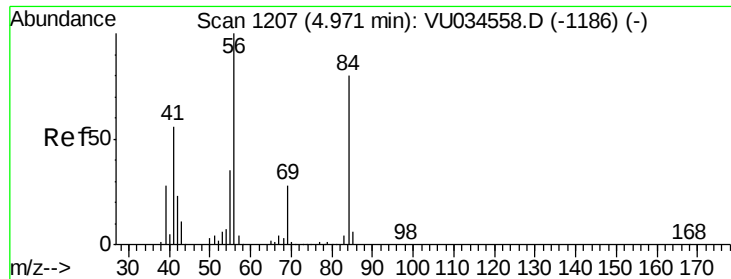
Abundance Ion 62.00 (61.70 to 62.70): VU034580.D (-1242) (-)

Ion 98.00 (97.70 to 98.70): VU034580.D (-1242) (-)



Time-->

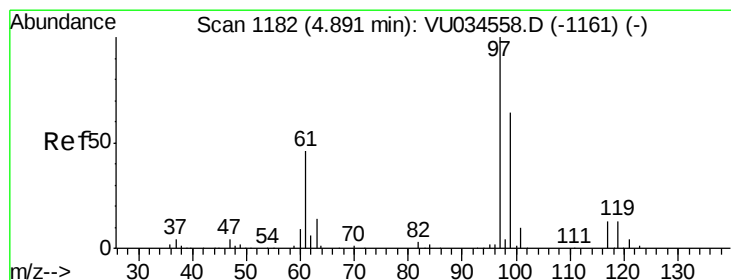
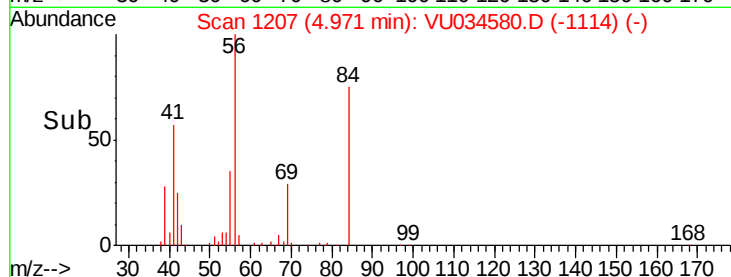
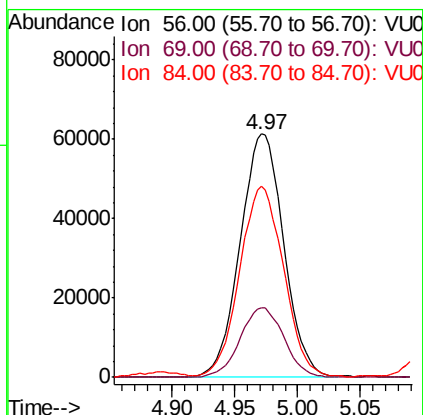
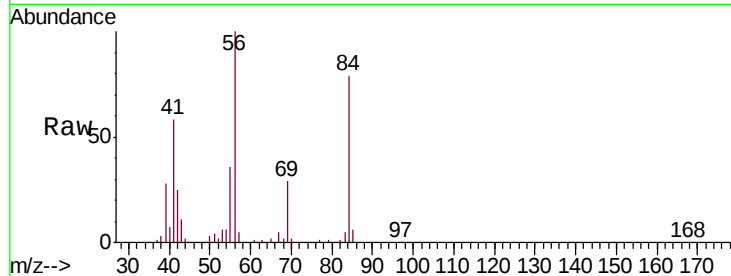




#29
Cyclohexane
Concen: 55.664 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. -0.00 min
Lab File: VU034580.D
Acq: 16 Sep 2019 21:16

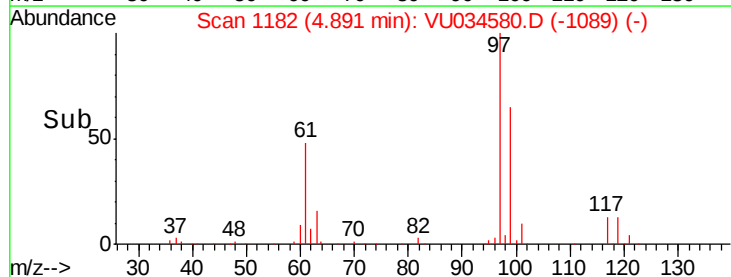
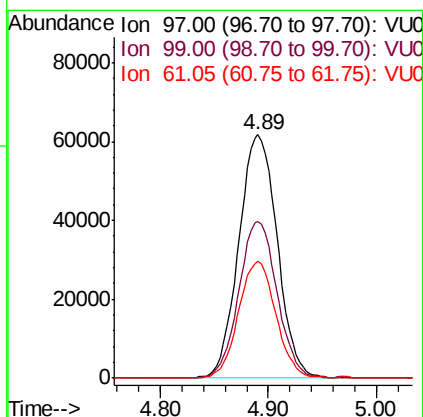
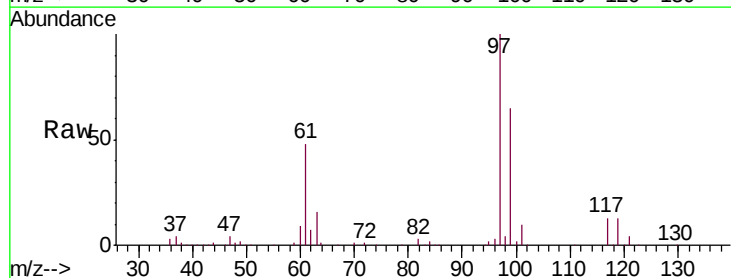
Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

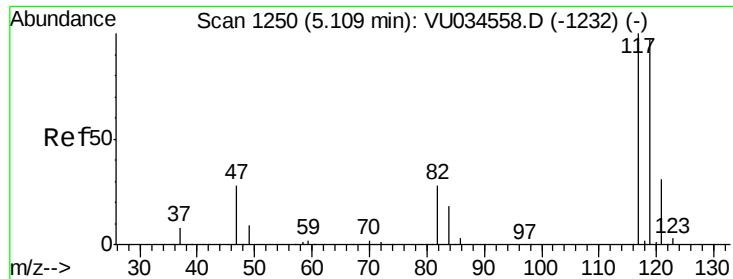
Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.3	34.9
84	78.8	64.2	96.4



#30
1,1,1-Trichloroethane
Concen: 56.111 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VU034580.D
Acq: 16 Sep 2019 21:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.7	76.1
61	46.6	36.9	55.3





#31

Carbon tetrachloride

Concen: 55.333 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

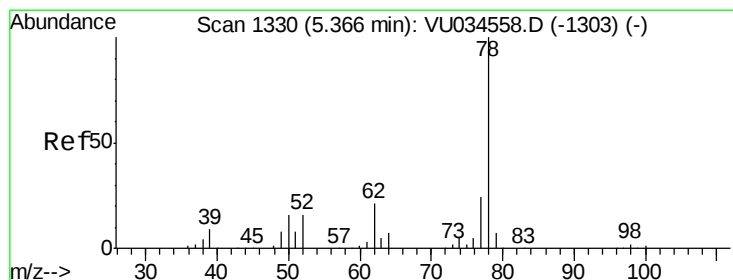
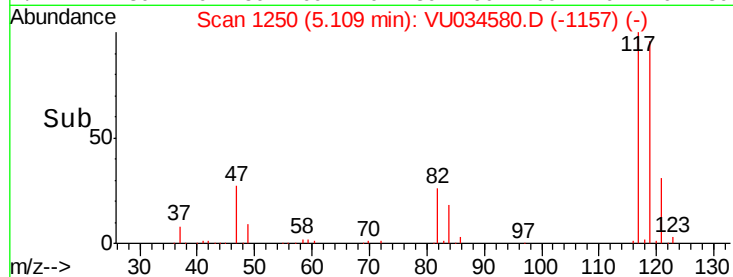
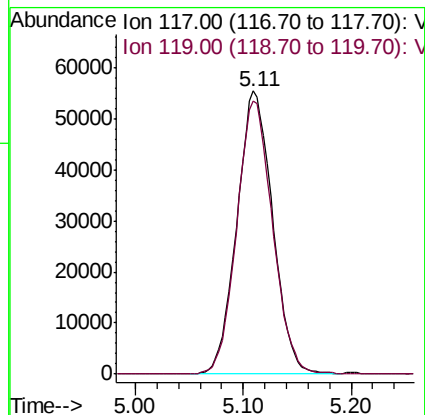
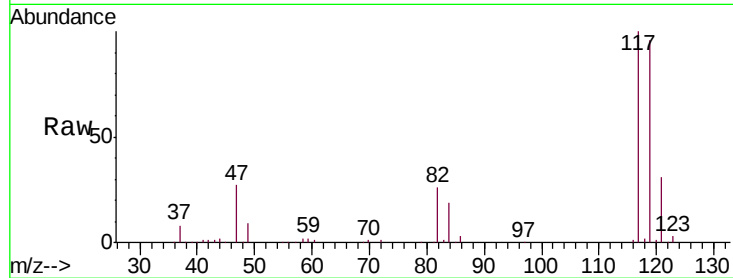
VSTD05054

Tgt Ion:117 Resp: 127579

Ion Ratio Lower Upper

117 100

119 96.7 77.2 115.8



#33

Benzene

Concen: 55.827 ug/L

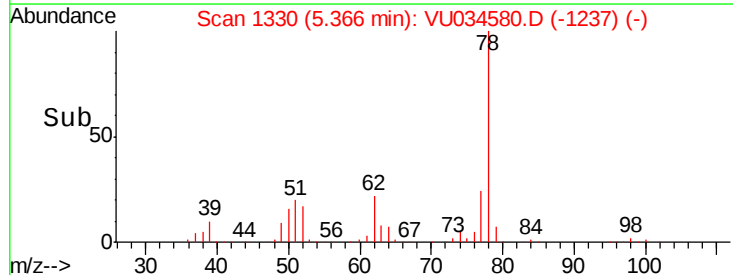
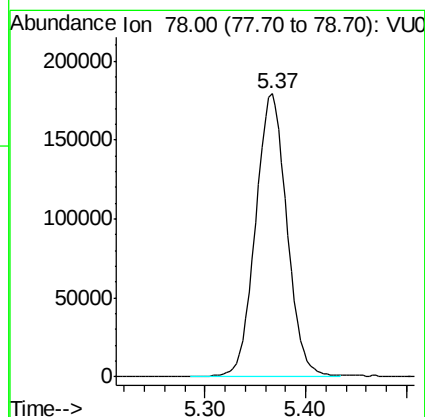
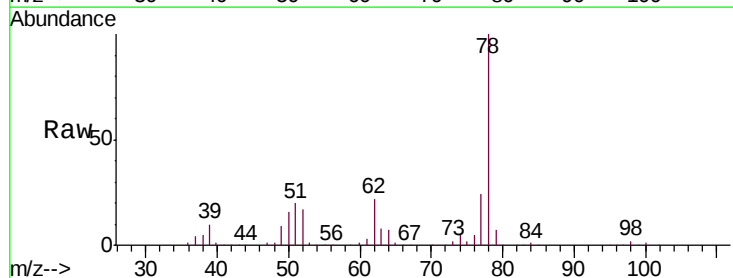
RT: 5.37 min Scan# 1330

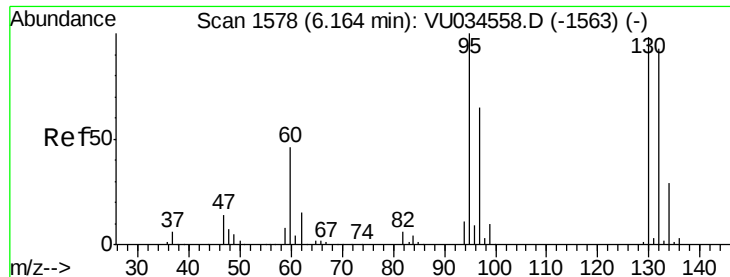
Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Tgt Ion: 78 Resp: 387039





#34

Trichloroethene

Concen: 55.183 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

Tgt Ion: 95 Resp: 95299

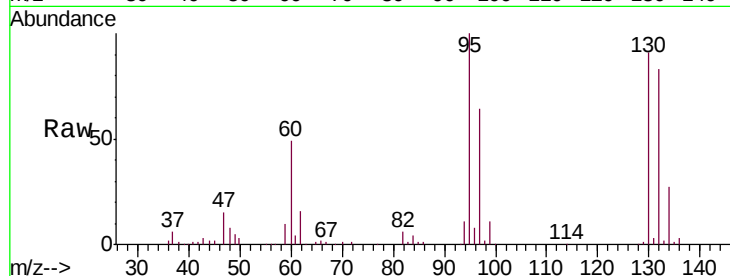
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.4

132 83.2 65.2 121.0

130 91.2 68.5 127.3

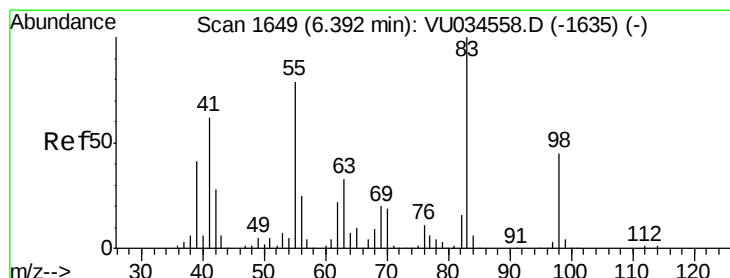
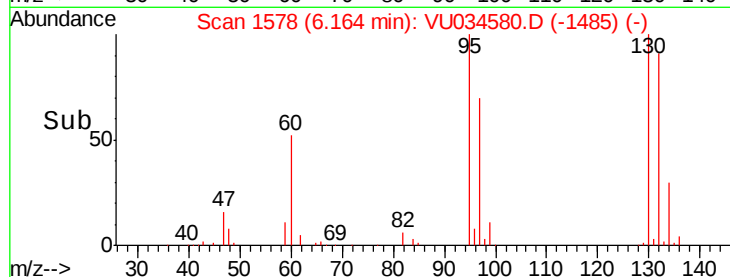
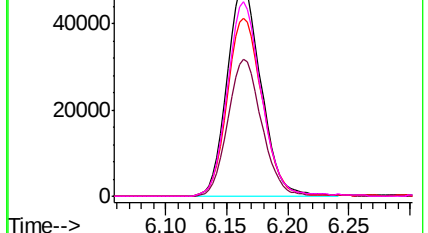


Abundance Ion 95.00 (94.70 to 95.70): VU034580.D (-1563) (-)

Ion 97.00 (96.70 to 97.70): VU034580.D (-1563) (-)

Ion 132.00 (131.70 to 132.70): VU034580.D (-1563) (-)

Ion 130.00 (129.70 to 130.70): VU034580.D (-1563) (-)



#35

Methylcyclohexane

Concen: 54.299 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

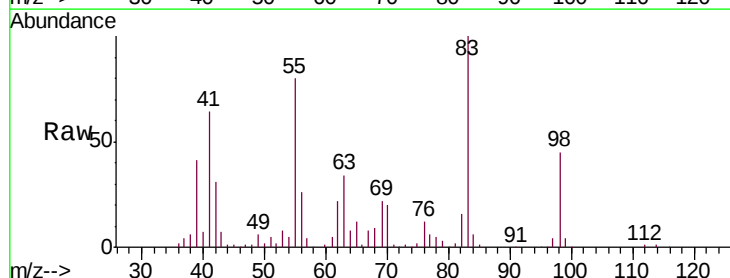
Tgt Ion: 83 Resp: 142161

Ion Ratio Lower Upper

83 100

55 80.5 63.0 94.6

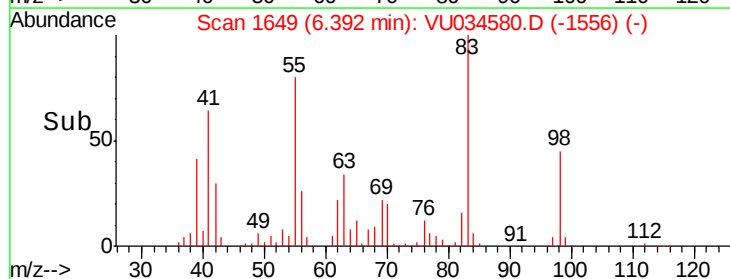
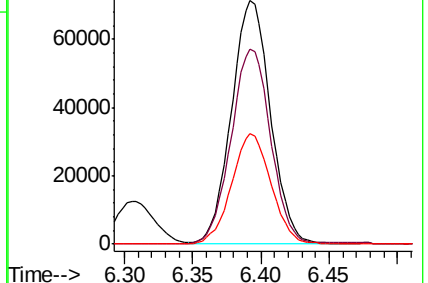
98 45.9 36.2 54.2

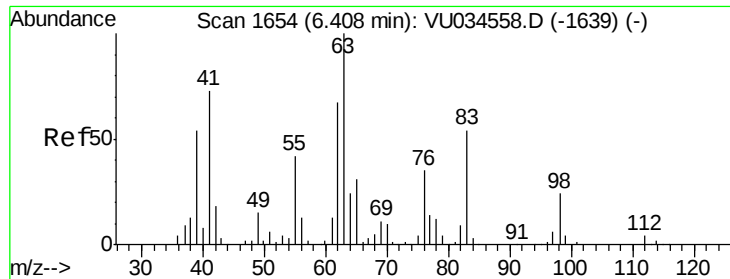


Abundance Ion 83.00 (82.70 to 83.70): VU034580.D (-1635) (-)

Ion 55.00 (54.70 to 55.70): VU034580.D (-1635) (-)

Ion 98.00 (97.70 to 98.70): VU034580.D (-1635) (-)

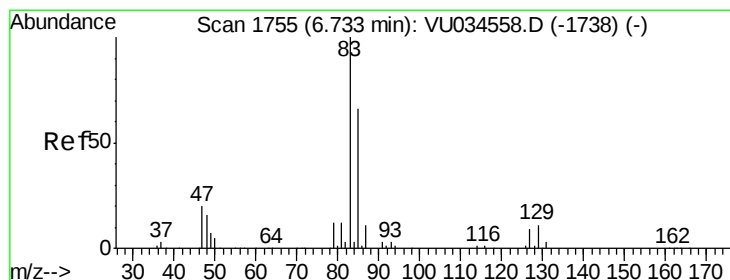
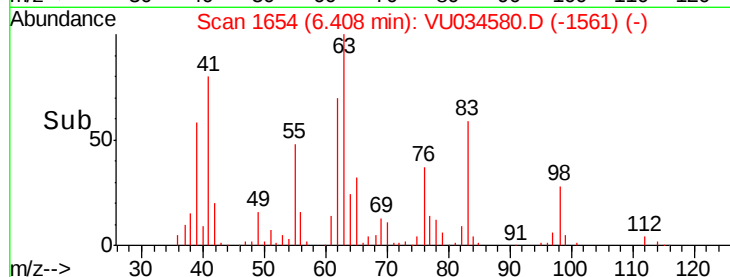
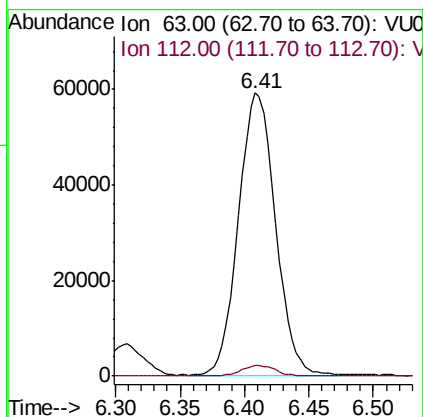
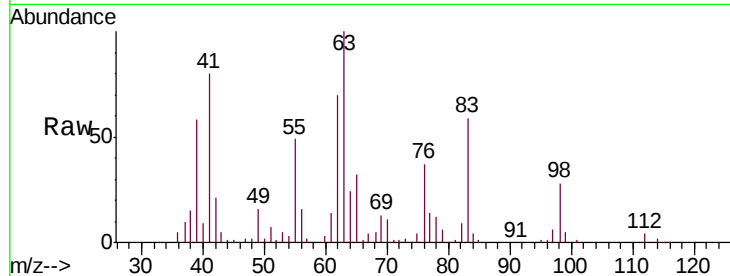




#37
 1,2-Dichloropropane
 Concen: 56.413 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

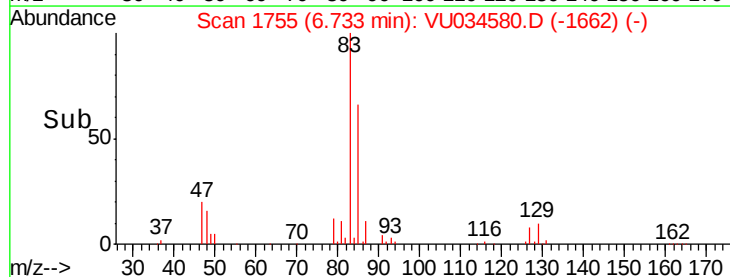
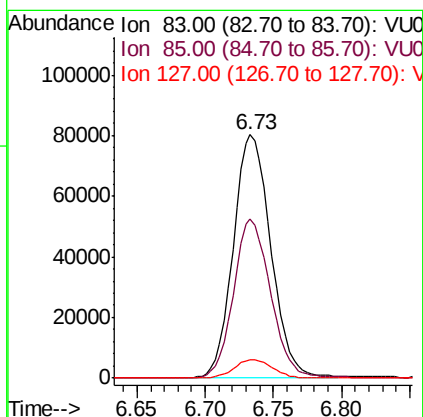
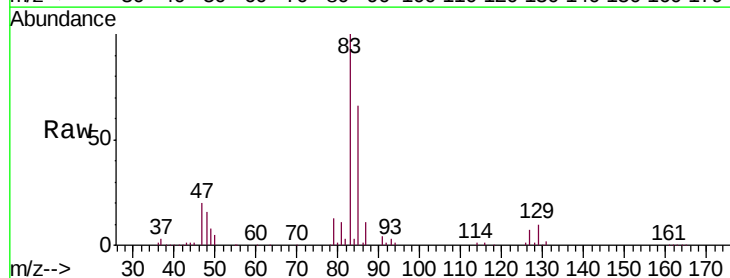
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

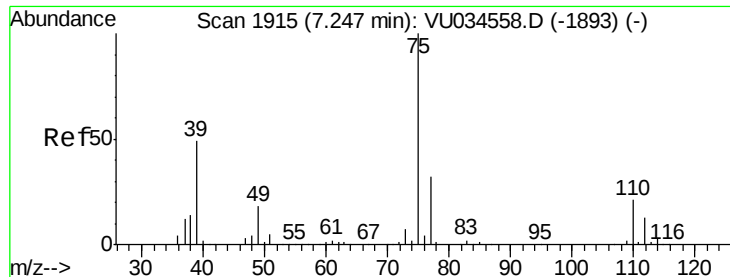
Tgt Ion: 63 Resp: 118704
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 55.871 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

Tgt Ion: 83 Resp: 153688
 Ion Ratio Lower Upper
 83 100
 85 65.6 46.1 85.7
 127 7.4 7.0 10.6

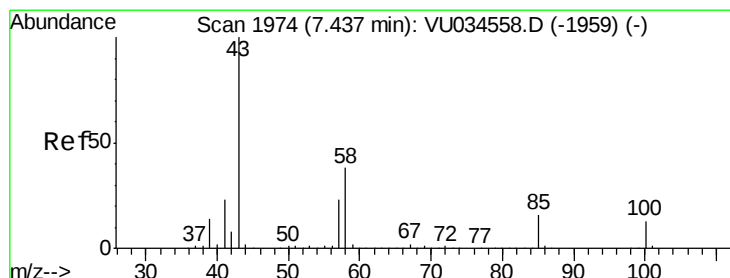
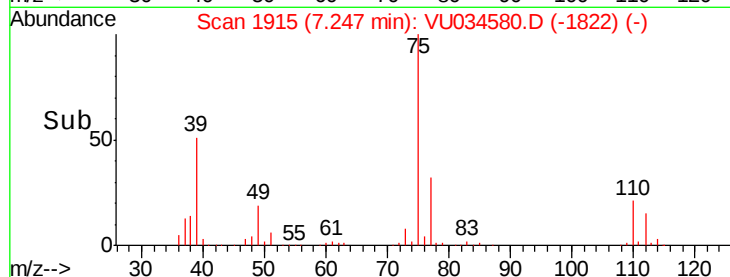
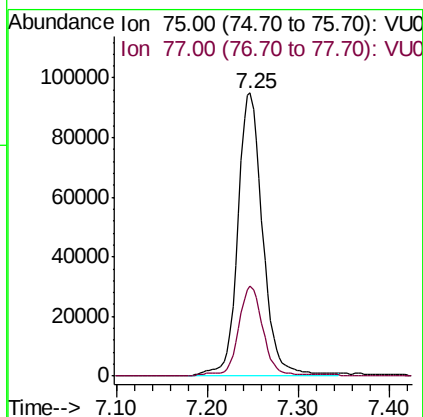
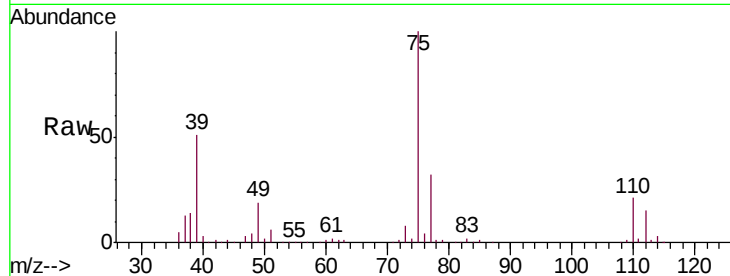




#39
 cis-1,3-Dichloropropene
 Concen: 57.470 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

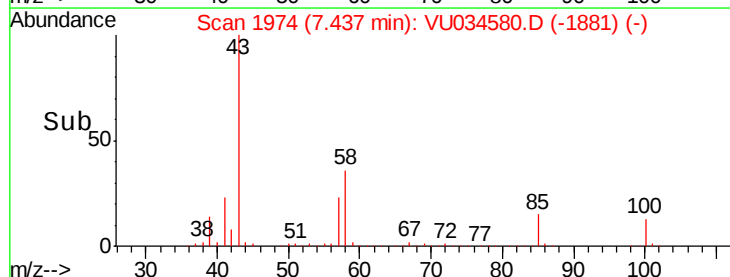
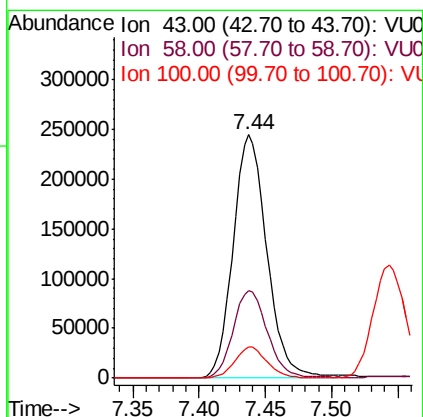
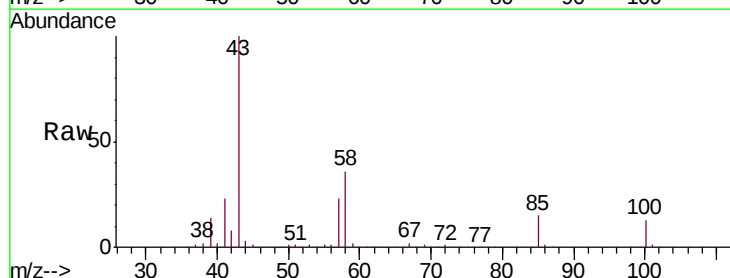
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

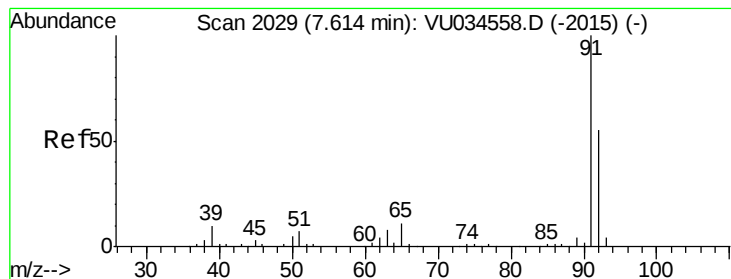
Tgt Ion: 75 Resp: 181682
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 117.632 ug/L
 RT: 7.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

Tgt Ion: 43 Resp: 430553
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.4 45.6
 100 12.4 10.2 15.4





#42

Toluene

Concen: 56.333 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

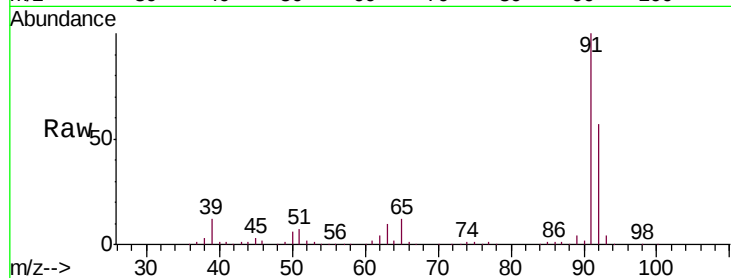
VSTD05054

Tgt Ion: 91 Resp: 421090

Ion Ratio Lower Upper

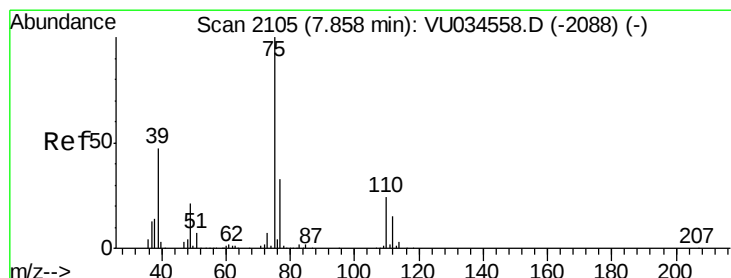
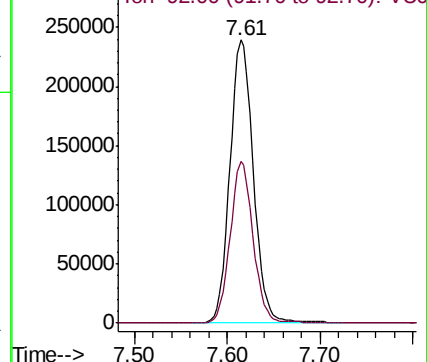
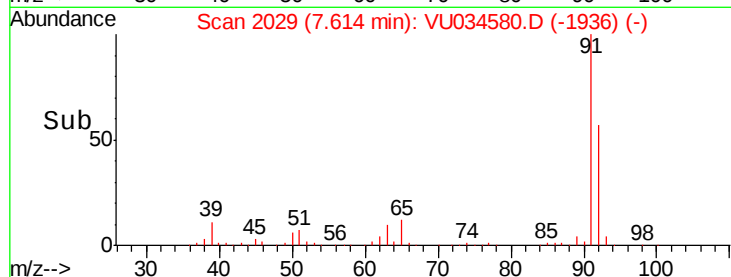
91 100

92 57.3 38.4 71.4



Abundance Ion 91.00 (90.70 to 91.70): VU034580.D (-1936) (-)

Ion 92.00 (91.70 to 92.70): VU034580.D (-1936) (-)



#44

trans-1,3-Dichloropropene

Concen: 55.466 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034580.D

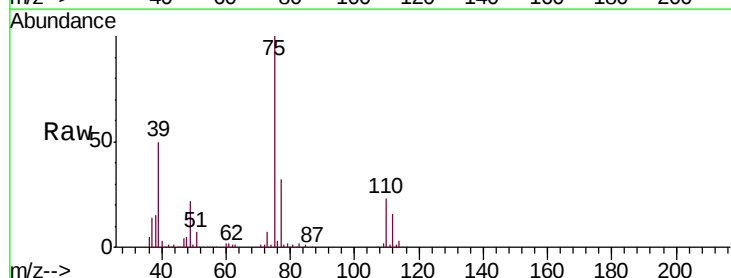
Acq: 16 Sep 2019 21:16

Tgt Ion: 75 Resp: 160787

Ion Ratio Lower Upper

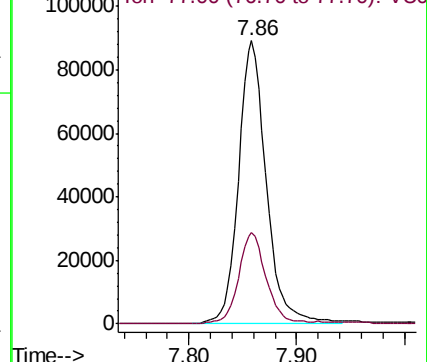
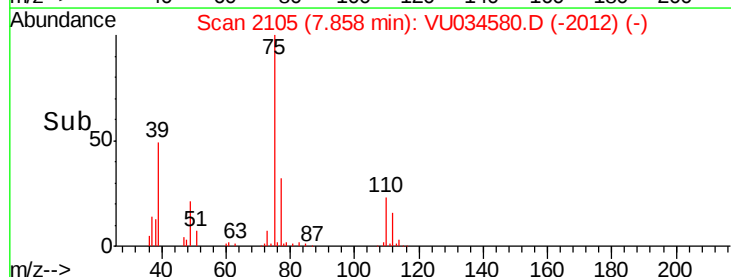
75 100

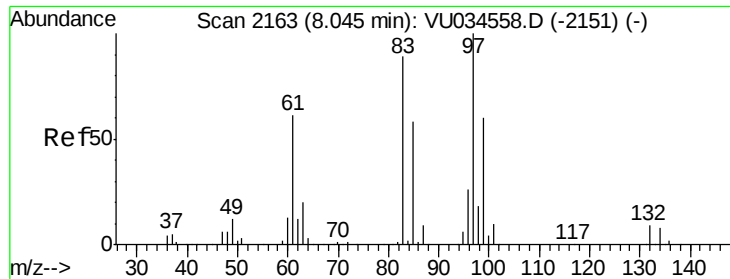
77 32.5 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VU034580.D (-2102) (-)

Ion 77.00 (76.70 to 77.70): VU034580.D (-2102) (-)

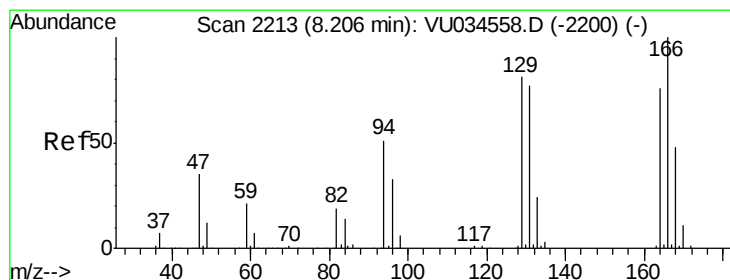
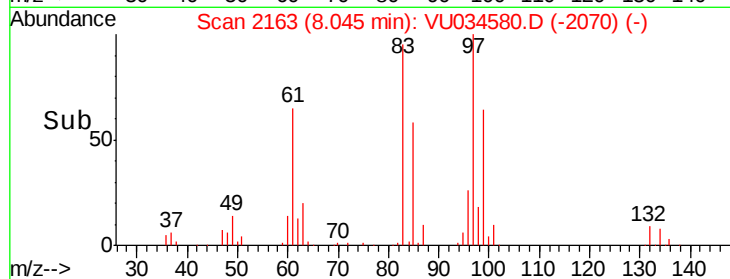
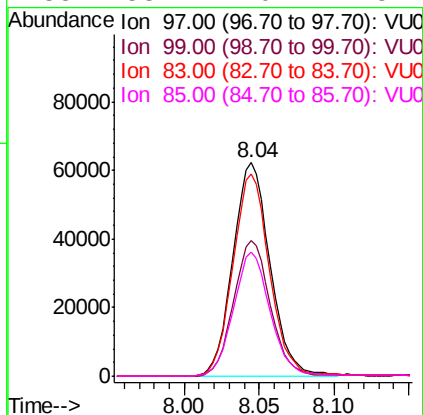
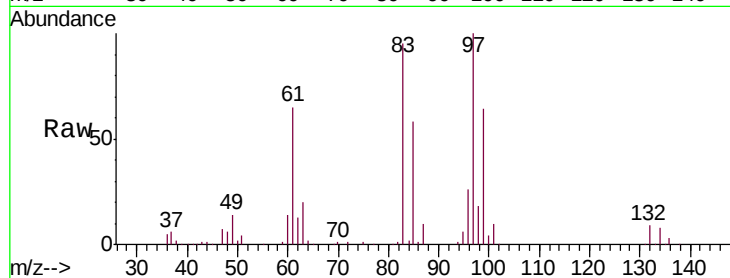




#45
 1,1,2-Trichloroethane
 Concen: 56.147 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

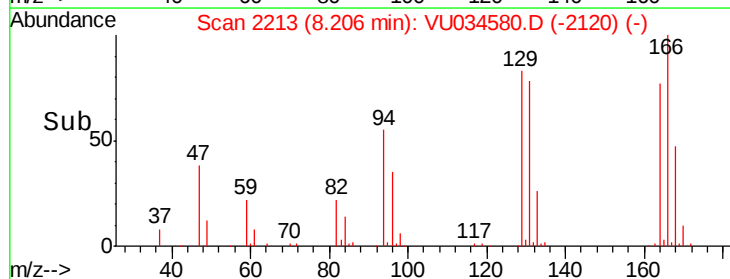
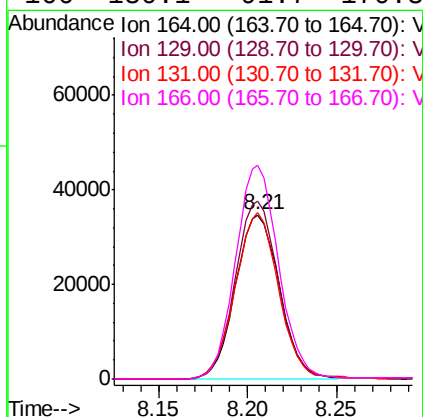
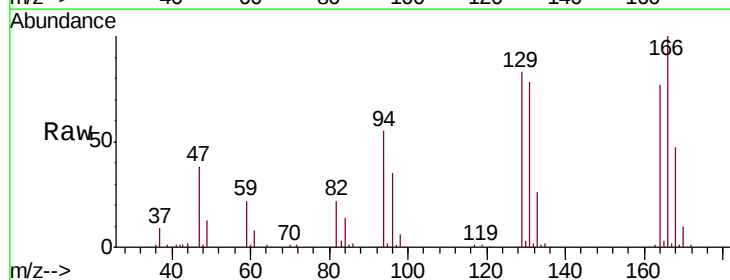
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

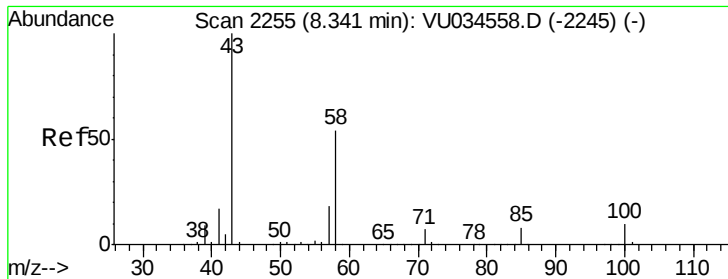
Tgt Ion:	97	Resp:	107816
Ion	Ratio	Lower	Upper
97	100		
99	63.6	42.4	78.8
83	94.9	62.5	116.1
85	58.2	40.7	75.7



#46
 Tetrachloroethene
 Concen: 52.147 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

Tgt Ion:	164	Resp:	59778
Ion	Ratio	Lower	Upper
164	100		
129	108.2	74.5	138.3
131	101.0	70.4	130.8
166	130.1	91.7	170.3

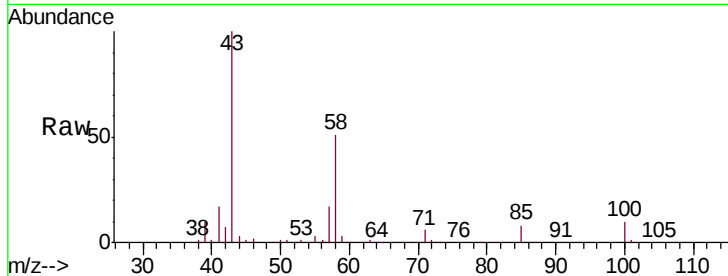




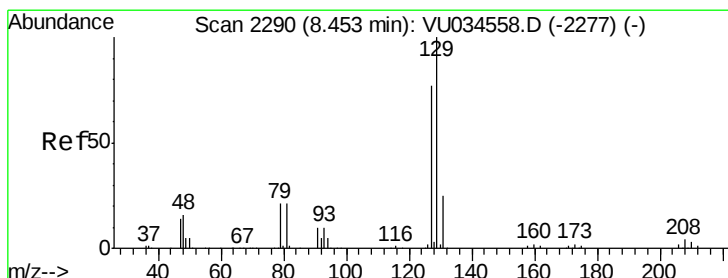
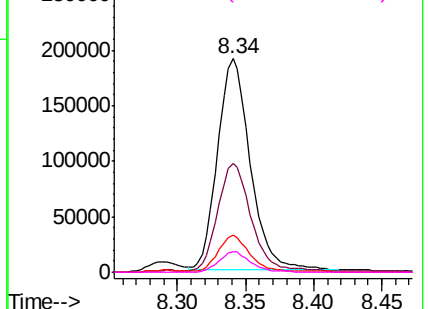
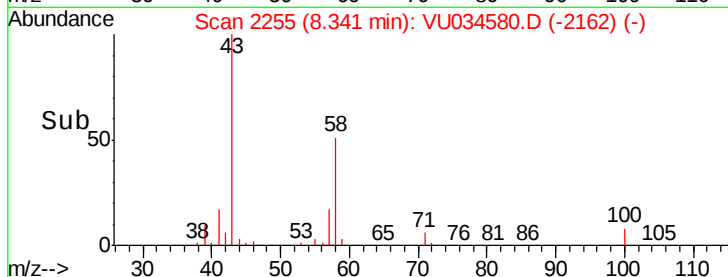
#48
2-Hexanone
Concen: 115.756 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034580.D
Acq: 16 Sep 2019 21:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD05054

Tgt Ion:	43	Resp:	318300
Ion	Ratio	Lower	Upper
43	100		
58	52.0	43.3	64.9
57	16.8	13.1	19.7
100	9.6	8.2	12.4

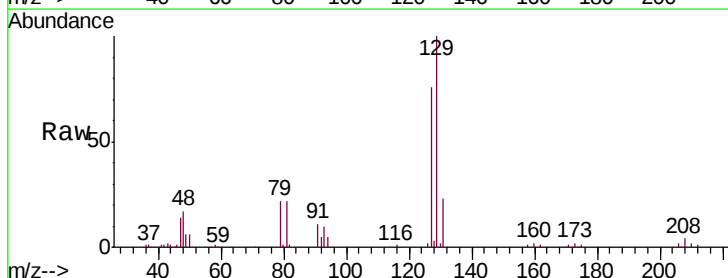


Abundance Ion 43.00 (42.70 to 43.70): VU034558.D (-2245) (-)
Ion 58.00 (57.70 to 58.70): VU034558.D (-2245) (-)
Ion 57.00 (56.70 to 57.70): VU034558.D (-2245) (-)
Ion 100.00 (99.70 to 100.70): VU034558.D (-2245) (-)

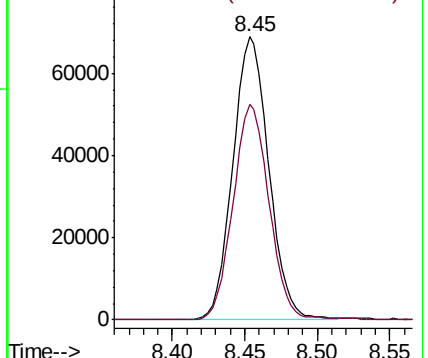
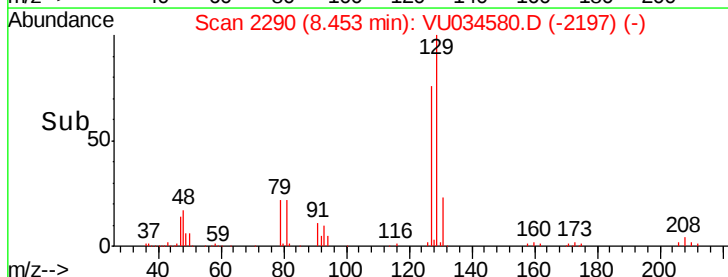


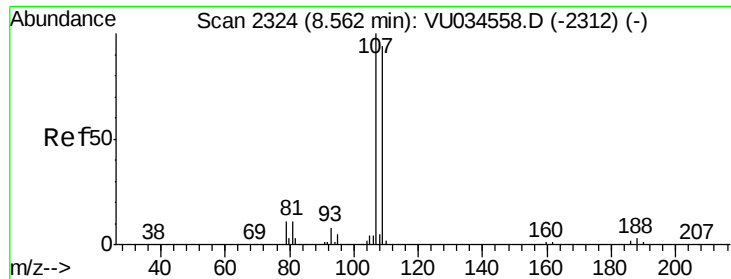
#49
Dibromochloromethane
Concen: 54.754 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034580.D
Acq: 16 Sep 2019 21:16

Tgt Ion:	129	Resp:	119077
Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.5	99.5



Abundance Ion 129.00 (128.70 to 129.70): VU034558.D (-2277) (-)
Ion 127.00 (126.70 to 127.70): VU034558.D (-2277) (-)





#50

1,2-Dibromoethane

Concen: 54.803 ug/L

RT: 8.56 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

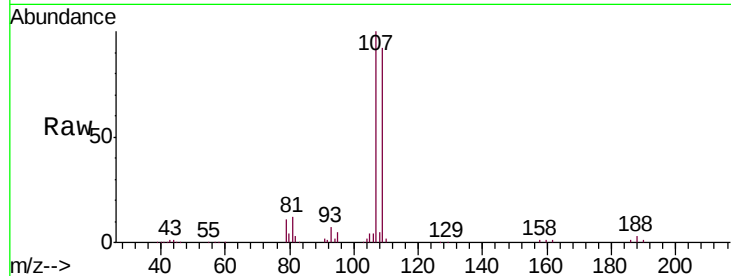
Tgt Ion:107 Resp: 109993

Ion Ratio Lower Upper

107 100

109 91.9 65.9 122.3

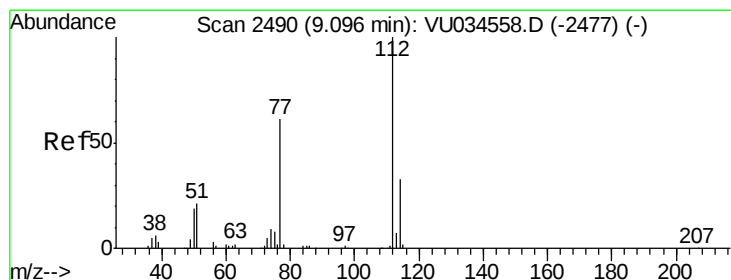
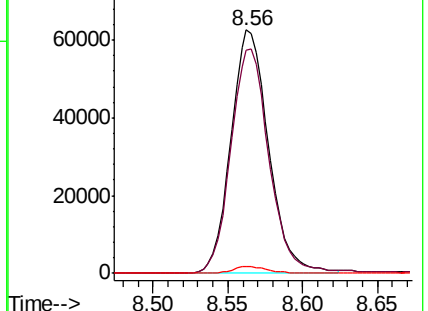
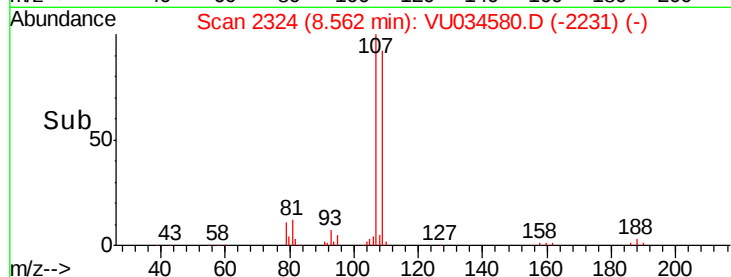
188 2.8 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 53.941 ug/L

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

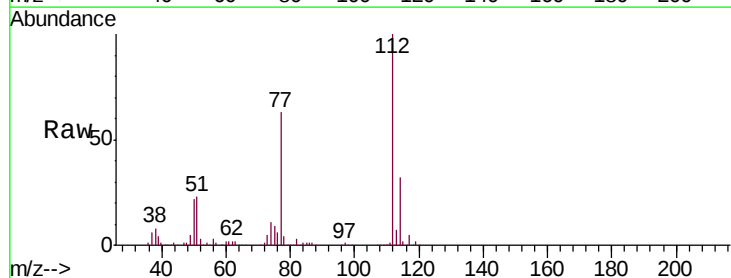
Tgt Ion:112 Resp: 263420

Ion Ratio Lower Upper

112 100

114 31.6 23.0 42.8

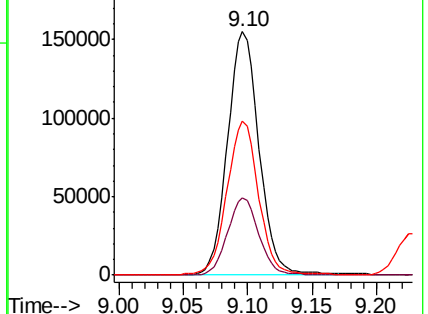
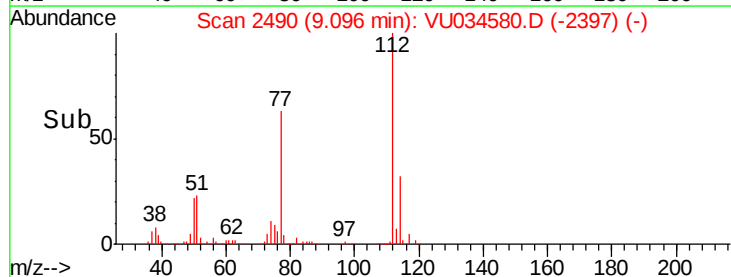
77 63.2 49.0 73.6

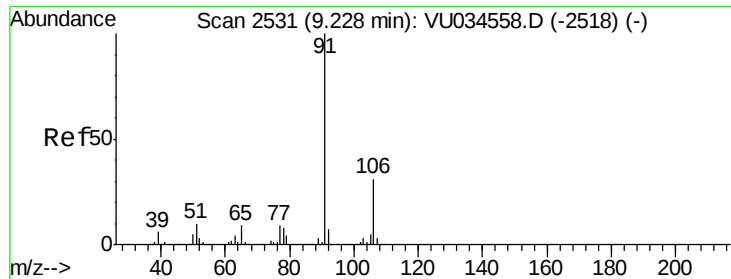


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU





#52

Ethylbenzene

Concen: 54.881 ug/L

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

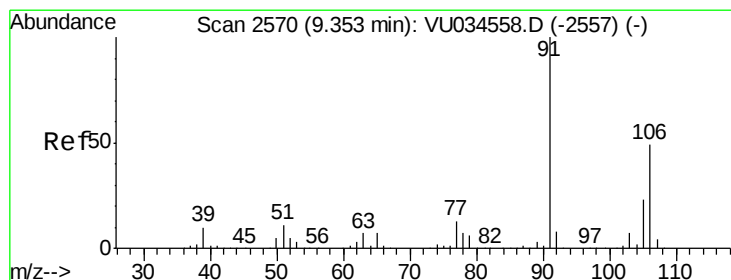
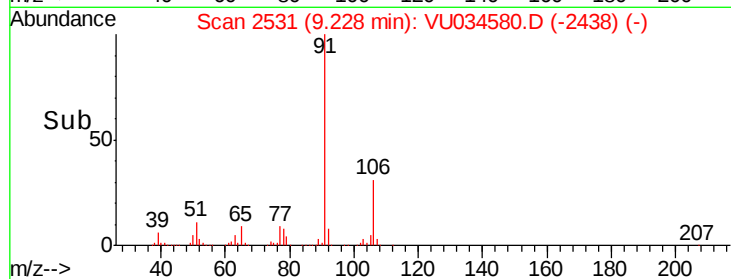
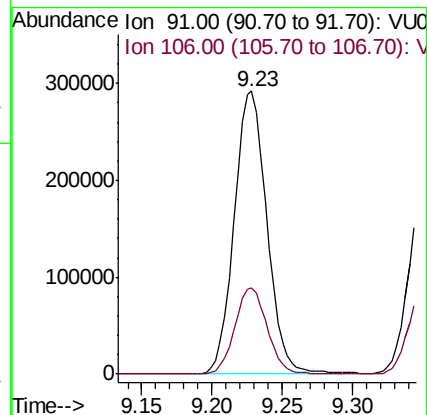
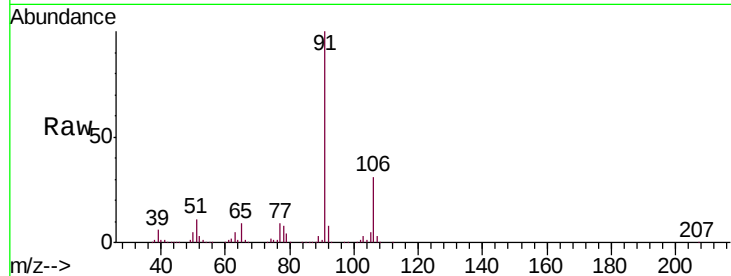
VSTD05054

Tgt Ion: 91 Resp: 474643

Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



#53

m,p-Xylene

Concen: 53.601 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034580.D

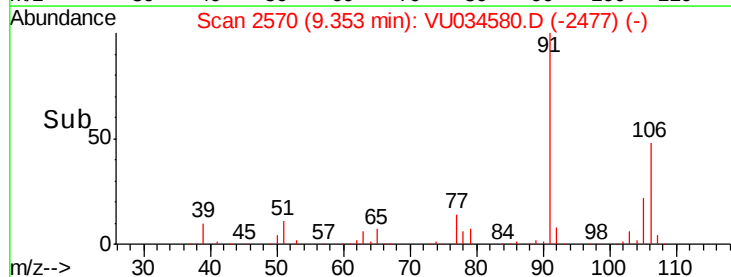
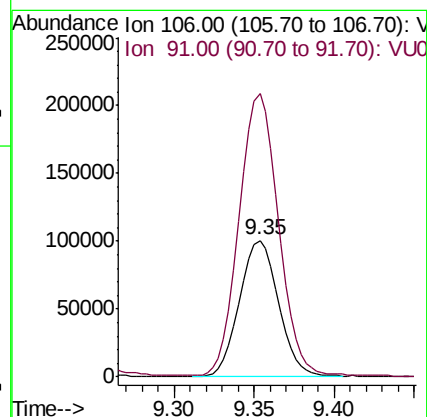
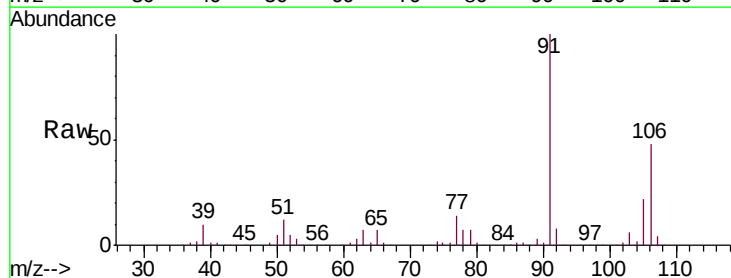
Acq: 16 Sep 2019 21:16

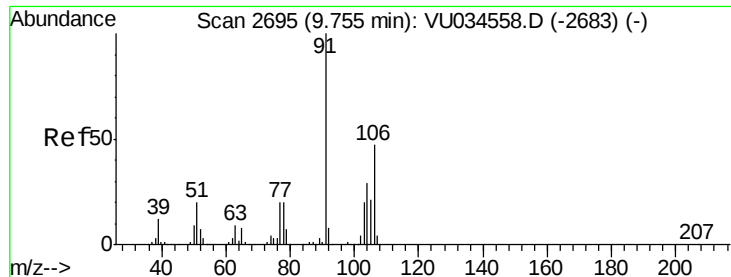
Tgt Ion: 106 Resp: 166666

Ion Ratio Lower Upper

106 100

91 207.3 142.6 264.8





#54

o-xylene

Concen: 55.642 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

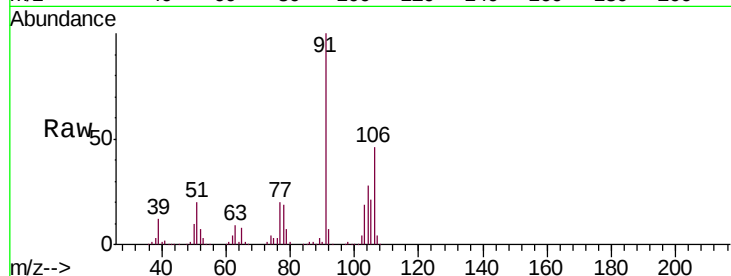
VSTD05054

Tgt Ion:106 Resp: 175527

Ion Ratio Lower Upper

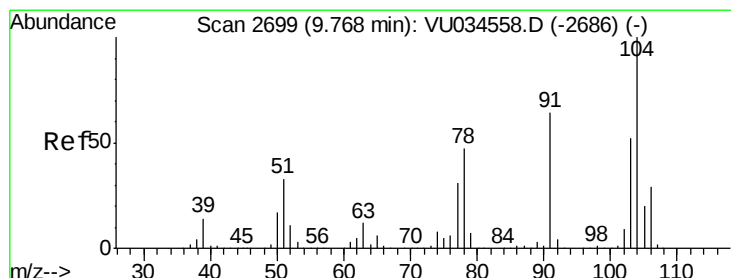
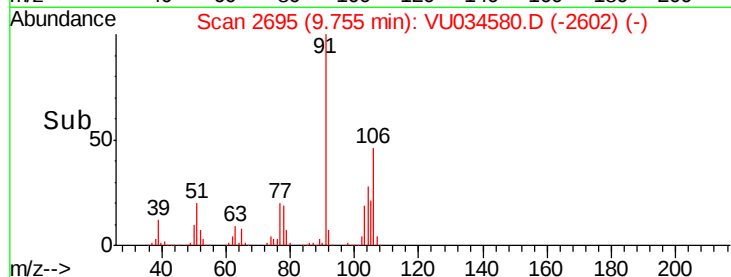
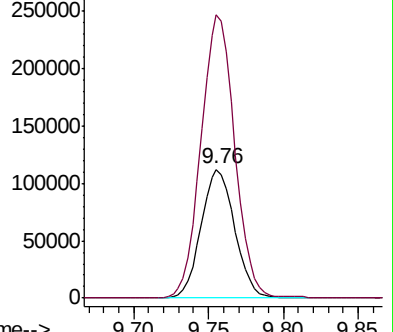
106 100

91 219.5 149.4 277.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 55.437 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VU034580.D

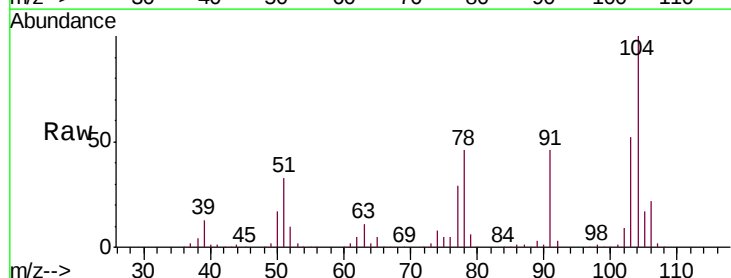
Acq: 16 Sep 2019 21:16

Tgt Ion:104 Resp: 301007

Ion Ratio Lower Upper

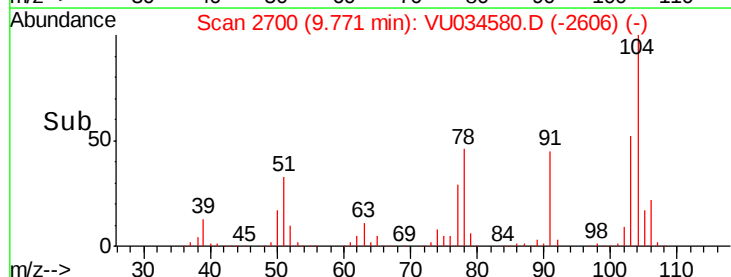
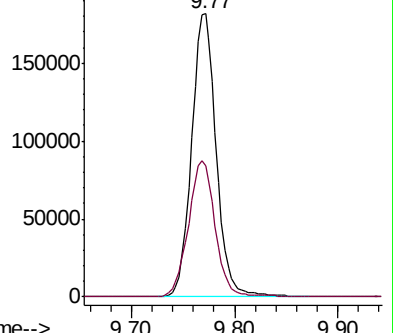
104 100

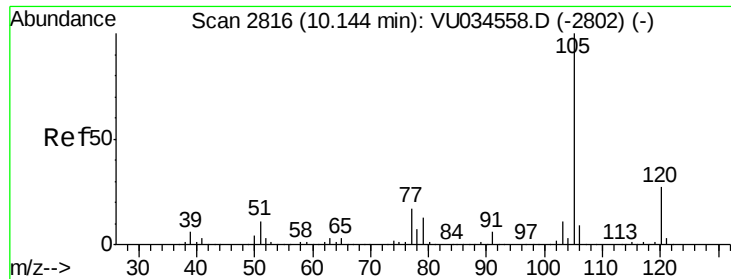
78 46.4 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 55.156 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

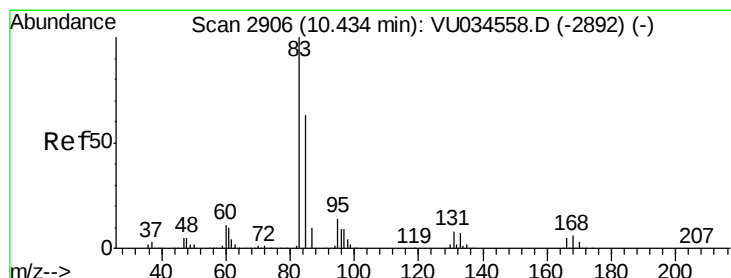
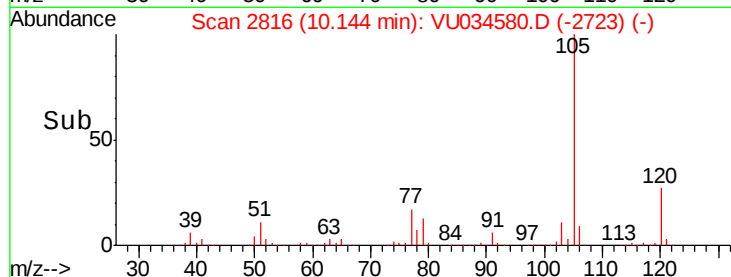
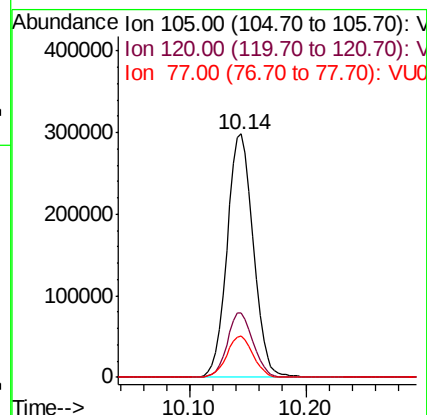
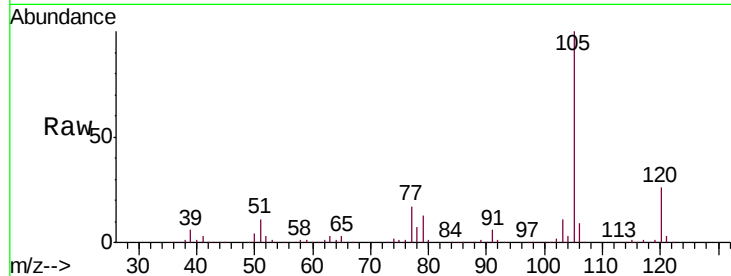
Tgt Ion: 105 Resp: 467978

Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

77 17.1 13.5 20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 55.537 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

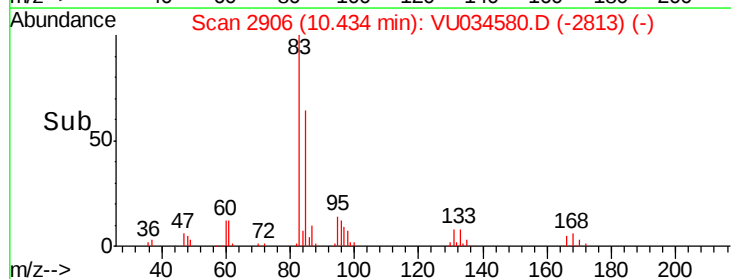
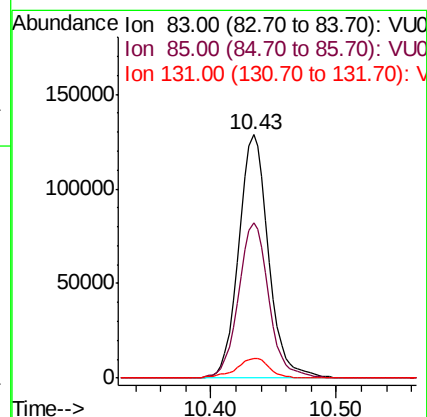
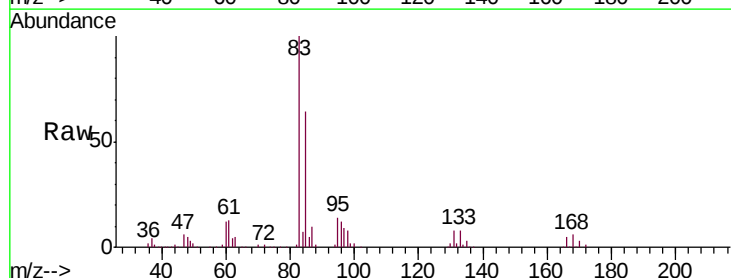
Tgt Ion: 83 Resp: 212072

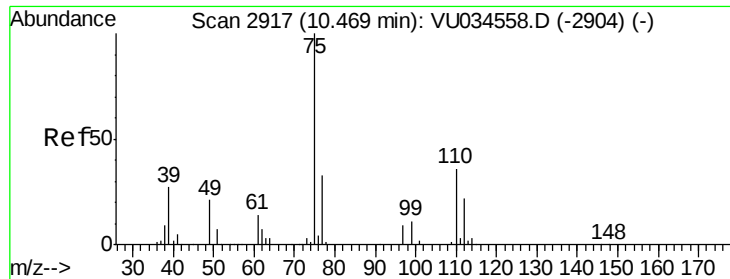
Ion Ratio Lower Upper

83 100

85 63.9 44.5 82.7

131 8.1 6.8 10.2

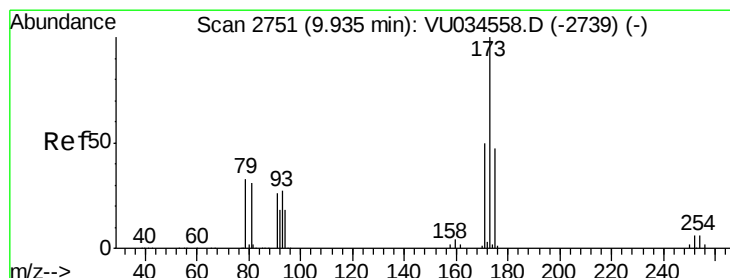
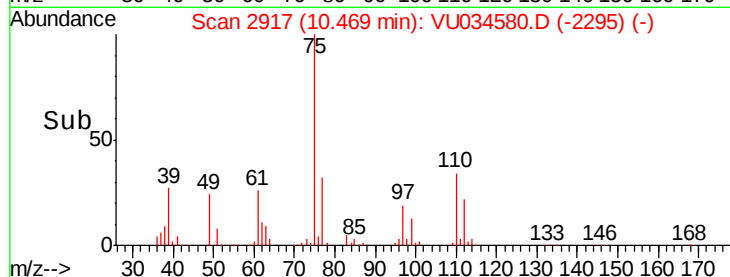
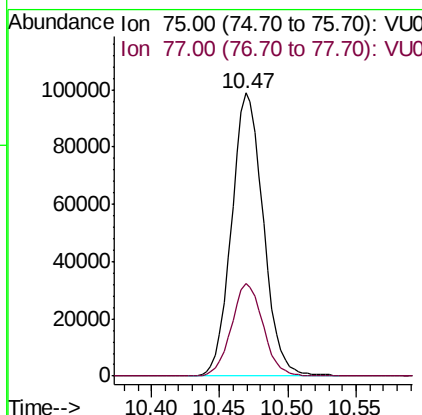
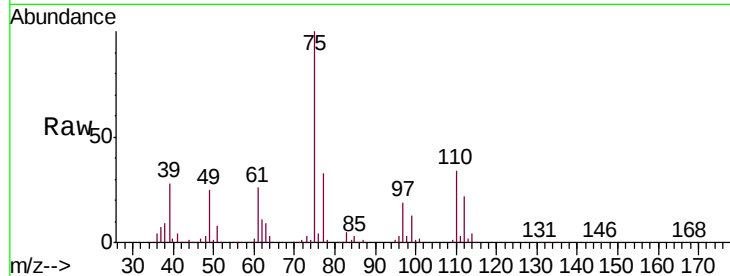




#59
 1,2,3-Trichloropropane
 Concen: 55.700 ug/L
 RT: 10.47 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

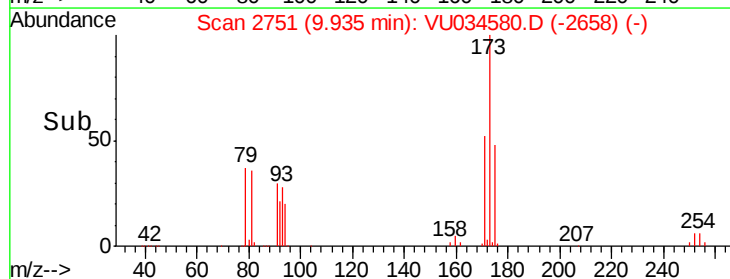
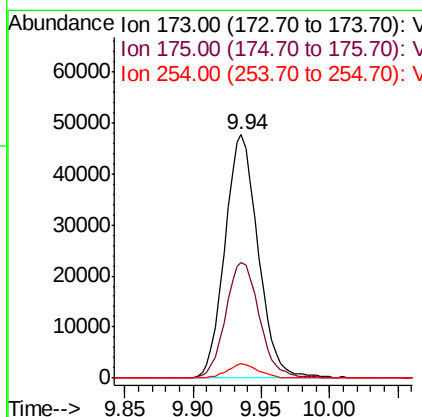
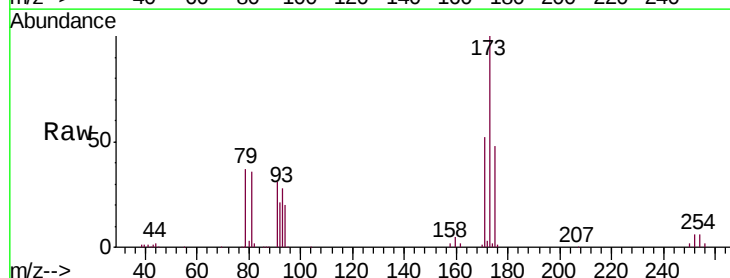
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

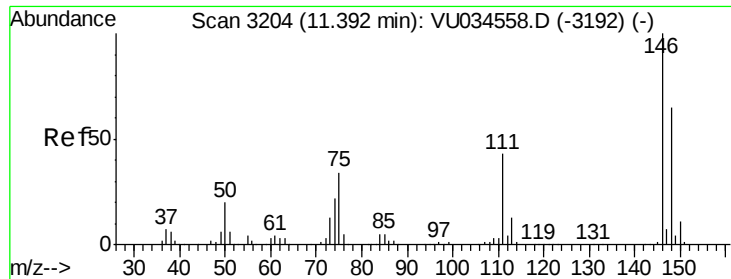
Tgt Ion: 75 Resp: 160091
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.1 39.1



#61
 Bromoform
 Concen: 52.211 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

Tgt Ion: 173 Resp: 80838
 Ion Ratio Lower Upper
 173 100
 175 48.1 37.6 56.4
 254 5.4 4.6 7.0





#62

1,3-Dichlorobenzene

Concen: 53.384 ug/L

RT: 11.39 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

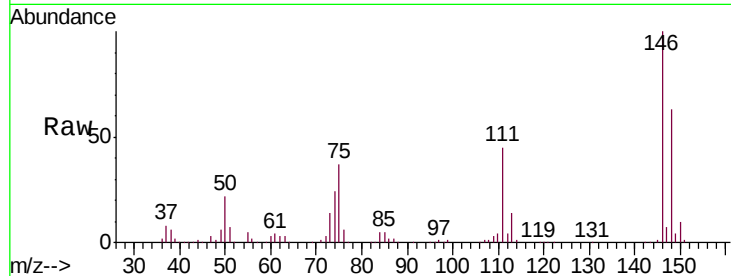
Tgt Ion:146 Resp: 194093

Ion Ratio Lower Upper

146 100

111 45.3 30.2 56.0

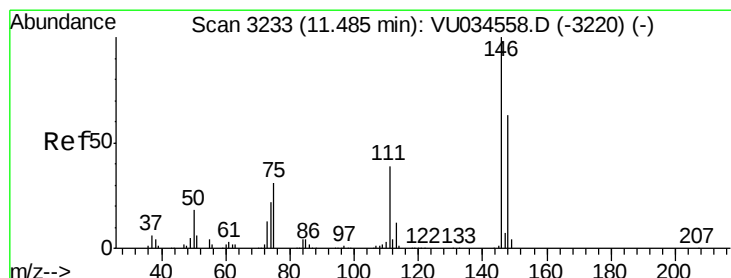
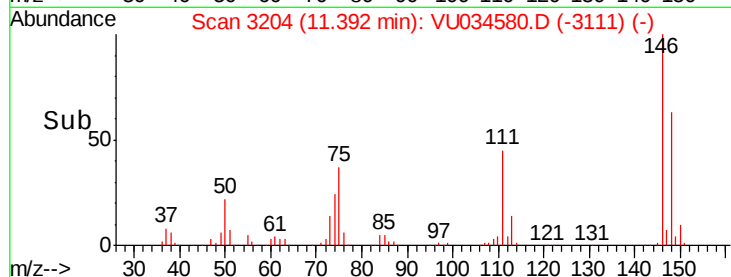
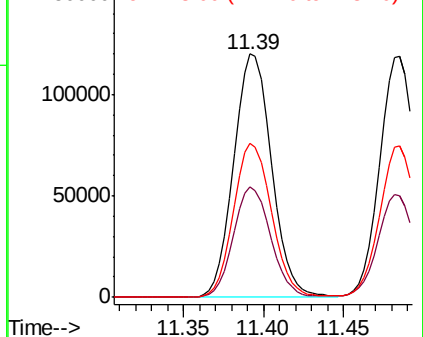
148 63.5 45.5 84.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 51.905 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

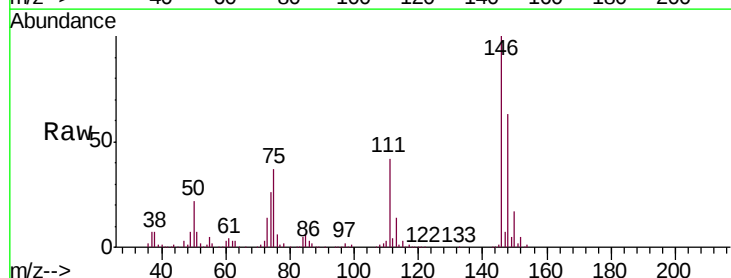
Tgt Ion:146 Resp: 190559

Ion Ratio Lower Upper

146 100

111 42.1 27.6 51.2

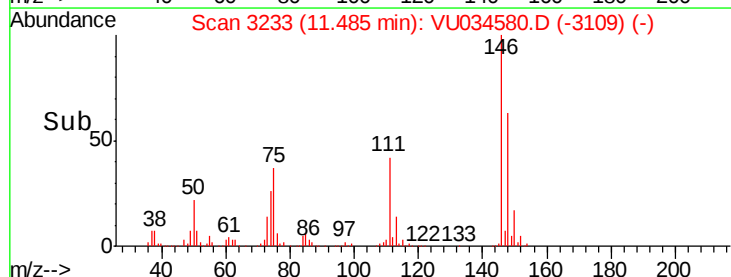
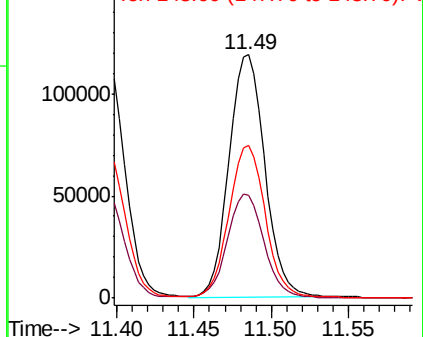
148 62.5 44.0 81.6

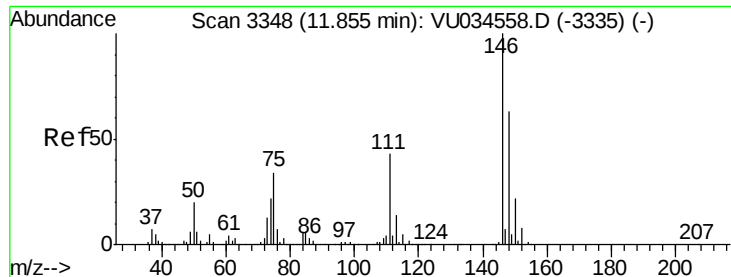


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 54.633 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

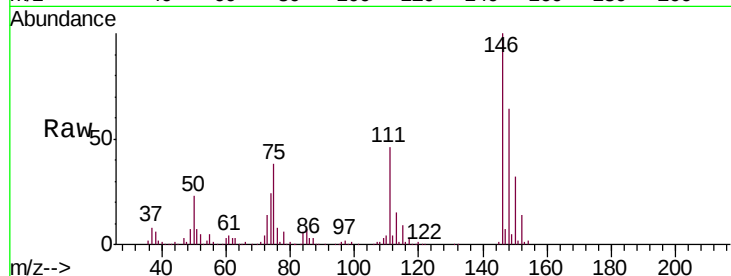
Tgt Ion:146 Resp: 200366

Ion Ratio Lower Upper

146 100

111 45.9 34.5 51.7

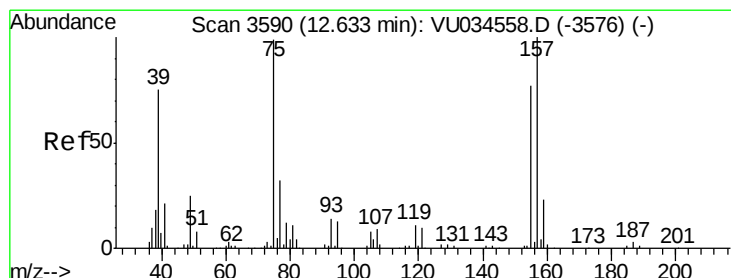
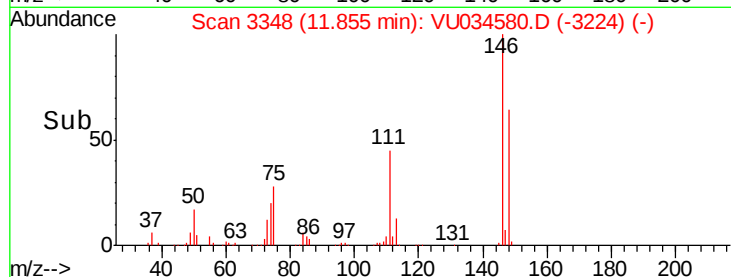
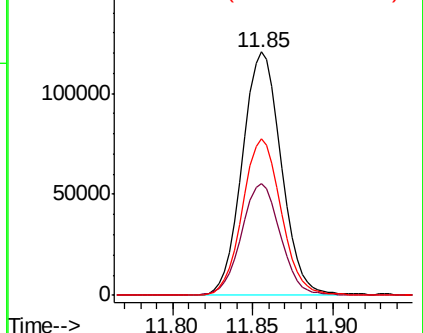
148 64.2 50.7 76.1



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



#66

1,2-Dibromo-3-chloropropane

Concen: 57.871 ug/L

RT: 12.63 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

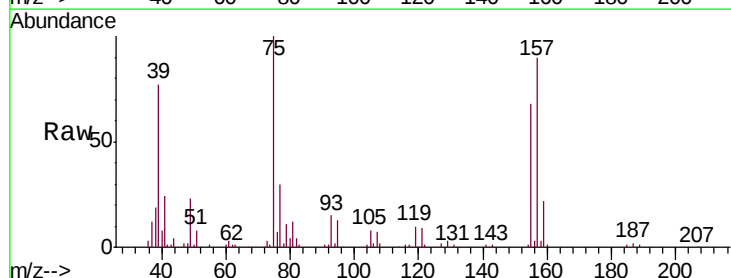
Tgt Ion: 75 Resp: 48084

Ion Ratio Lower Upper

75 100

155 68.2 61.8 92.6

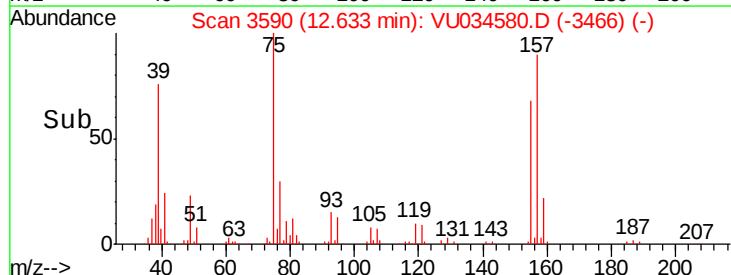
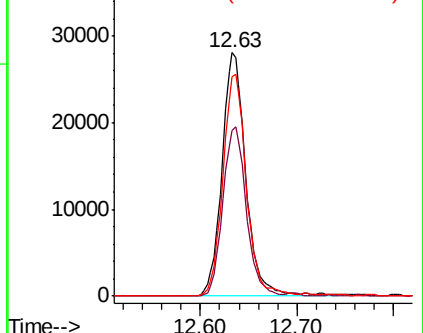
157 90.2 80.5 120.7

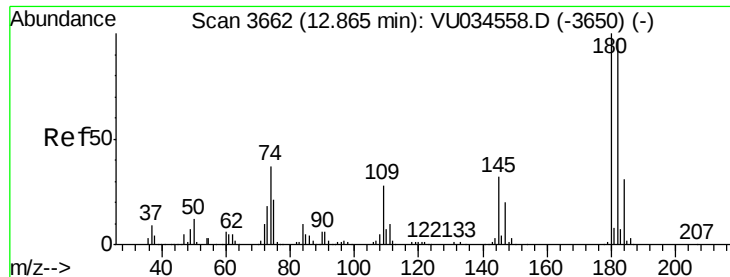


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

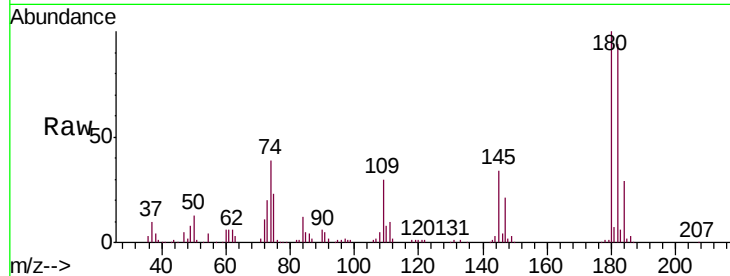




#67
 1,3,5-Trichlorobenzene
 Concen: 51.735 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05054

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.9	116.9
184	30.1	24.2	36.4
145	33.8	25.8	38.6



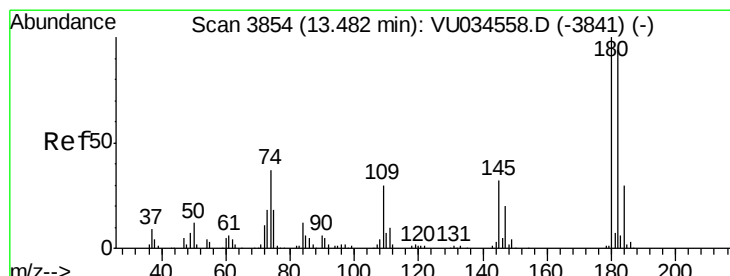
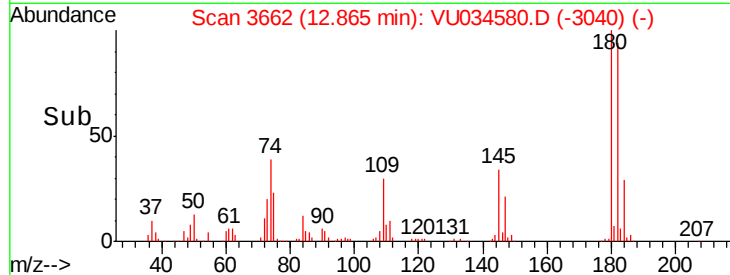
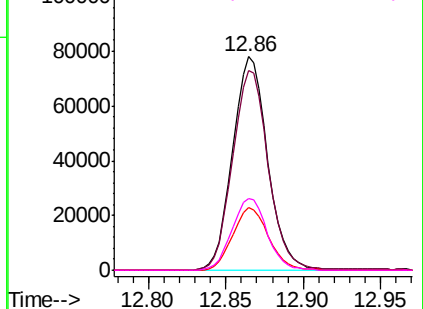
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

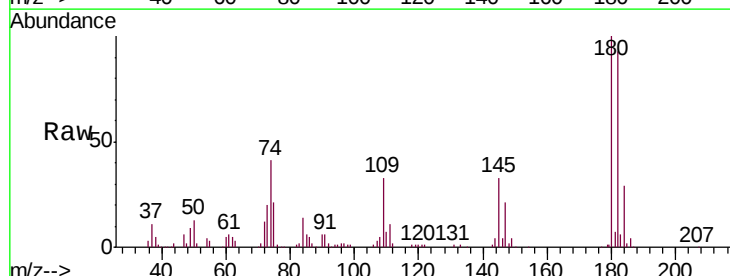
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.499 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034580.D
 Acq: 16 Sep 2019 21:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.7	113.5
145	33.4	25.9	38.9

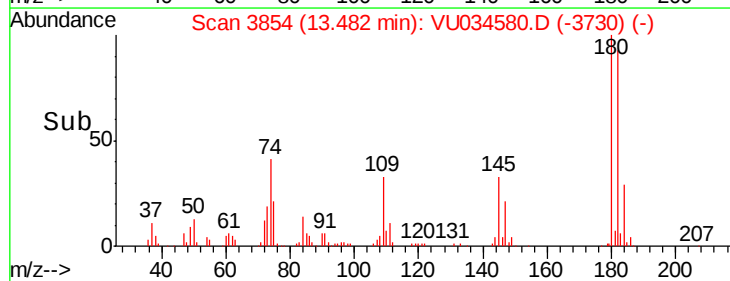
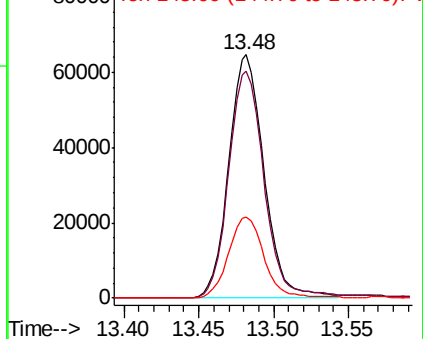


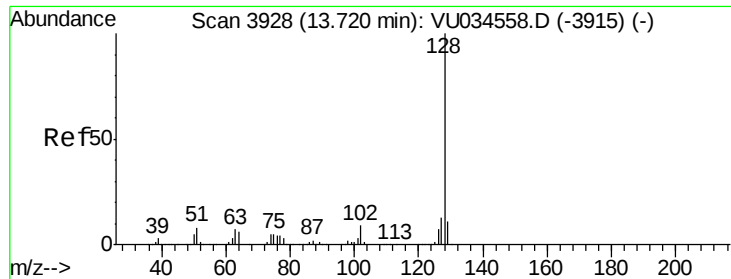
Abundance

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





#69

Naphthalene

Concen: 58.745 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD05054

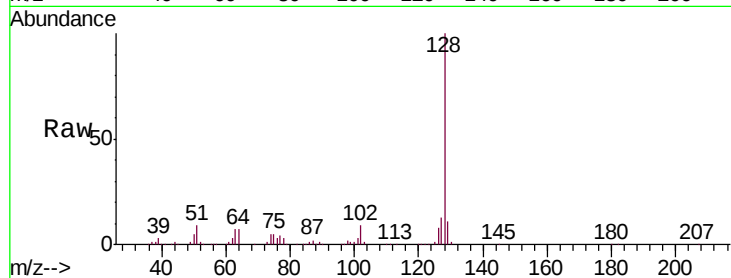
Tgt Ion:128 Resp: 439360

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

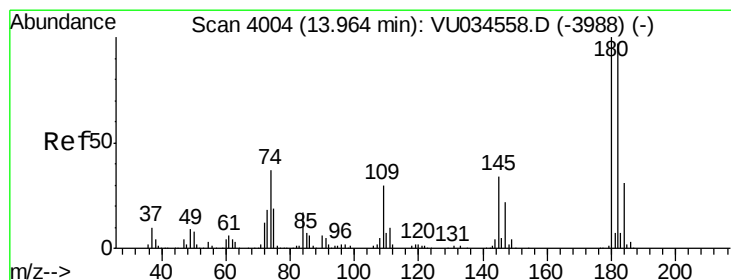
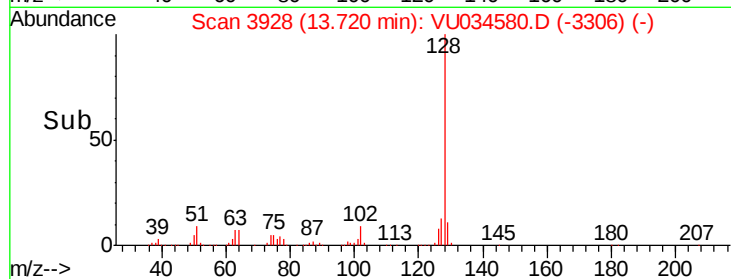
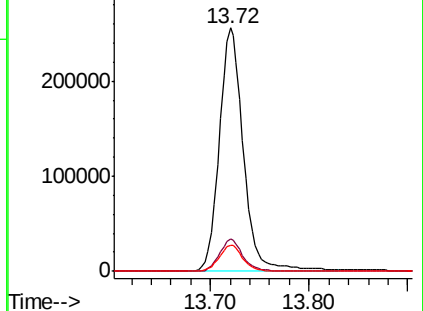
129 10.6 8.6 12.8



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: 51.714 ug/L

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034580.D

Acq: 16 Sep 2019 21:16

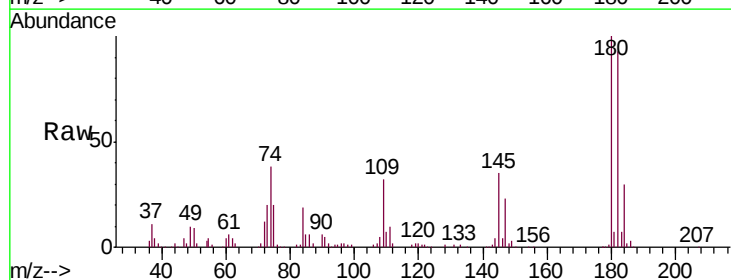
Tgt Ion:180 Resp: 107173

Ion Ratio Lower Upper

180 100

182 96.6 77.1 115.7

145 35.6 27.4 41.0



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

