

Data File : VU035009.D
Acq On : 09 Oct 2019 15:53
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

Quant Time: Oct 10 04:43:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 05 03:48:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	376041	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	373291	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	177355	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	139944	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.60%
7) Chloroethane-d5	1.67	69	115638	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.52%
11) 1,1-Dichloroethene-d2	2.26	63	263450	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.68%
21) 2-Butanone-d5	4.15	46	204981	92.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.07%
24) Chloroform-d	4.62	84	242739	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	5.28	65	162226	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
32) Benzene-d6	5.32	84	506958	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.58%
36) 1,2-Dichloropropane-d6	6.31	67	165901	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.76%
41) Toluene-d8	7.54	98	480048	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	7.83	79	73071	47.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.18%
47) 2-Hexanone-d5	8.29	63	144720	88.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.07%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	241466	49.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.14%
64) 1,2-Dichlorobenzene-d4	11.84	152	173683	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	172272	53.647	ug/L	100
3) Chloromethane	1.32	50	183073	51.121	ug/L	98
5) Vinyl chloride	1.40	62	180648	53.363	ug/L	99
6) Bromomethane	1.62	94	102156	51.851	ug/L	97
8) Chloroethane	1.69	64	109621	55.243	ug/L	99
9) Trichlorofluoromethane	1.87	101	222287	55.724	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	128707	57.179	ug/L	99
12) 1,1-Dichloroethene	2.27	96	118444	54.812	ug/L	99
13) Acetone	2.31	43	222152	105.391	ug/L	100
14) Carbon disulfide	2.46	76	369787	51.836	ug/L	98
15) Methyl Acetate	2.60	43	158986	49.836	ug/L	100
16) Methylene chloride	2.68	84	145597	53.132	ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	128393	53.111	ug/L	97
18) Methyl tert-butyl Ether	2.98	73	406033	49.913	ug/L	99
19) 1,1-Dichloroethane	3.42	63	258914	52.943	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	140445	51.608	ug/L	97
22) 2-Butanone	4.23	43	257746	103.929	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	72876	53.620	ug/L	98
25) Chloroform	4.65	83	266260	53.526	ug/L	99
27) 1,2-Dichloroethane	5.38	62	206991	52.290	ug/L	100
29) Cyclohexane	4.97	56	228351	50.633	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	209300	51.715	ug/L	100
31) Carbon tetrachloride	5.11	117	184290	52.242	ug/L	100
33) Benzene	5.37	78	571598	52.425	ug/L	100
34) Trichloroethene	6.16	95	143065	52.071	ug/L	98
35) Methylcyclohexane	6.40	83	230758	51.739	ug/L	98
37) 1,2-Dichloropropane	6.41	63	154379	50.802	ug/L	100
38) Bromodichloromethane	6.73	83	188474	51.093	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	228711	49.675	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	446282	94.809	ug/L	100
42) Toluene	7.62	91	613226	52.327	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	202489	50.173	ug/L	100
45) 1,1,2-Trichloroethane	8.04	97	139211	52.099	ug/L	99
46) Tetrachloroethene	8.21	164	113040	51.864	ug/L	99
48) 2-Hexanone	8.34	43	346783	96.667	ug/L	98
49) Dibromochloromethane	8.46	129	151533	52.381	ug/L	99
50) 1,2-Dibromoethane	8.57	107	151607	52.786	ug/L	100
51) Chlorobenzene	9.10	112	387952	51.844	ug/L	99
52) Ethylbenzene	9.23	91	675290	51.904	ug/L	99
53) m,p-Xylene	9.35	106	252735	52.451	ug/L	98
54) o-xylene	9.76	106	248086	52.352	ug/L	100
55) Styrene	9.77	104	417437	52.523	ug/L	98
56) Isopropylbenzene	10.14	105	645270	51.727	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	252539	51.797	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	194869	49.602	ug/L	99
61) Bromoform	9.94	173	110146	51.197	ug/L	100
62) 1,3-Dichlorobenzene	11.40	146	286404	51.879	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	280937	50.912	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	288252	52.035	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	46182	47.797	ug/L	98
67) 1,3,5-Trichlorobenzene	12.86	180	191411	51.686	ug/L	99
68) 1,2,4-trichlorobenzene	13.48	180	133575	47.449	ug/L	97
69) Naphthalene	13.72	128	336938	39.455	ug/L	99
70) 1,2,3-Trichlorobenzene	13.96	180	141669	47.697	ug/L	98

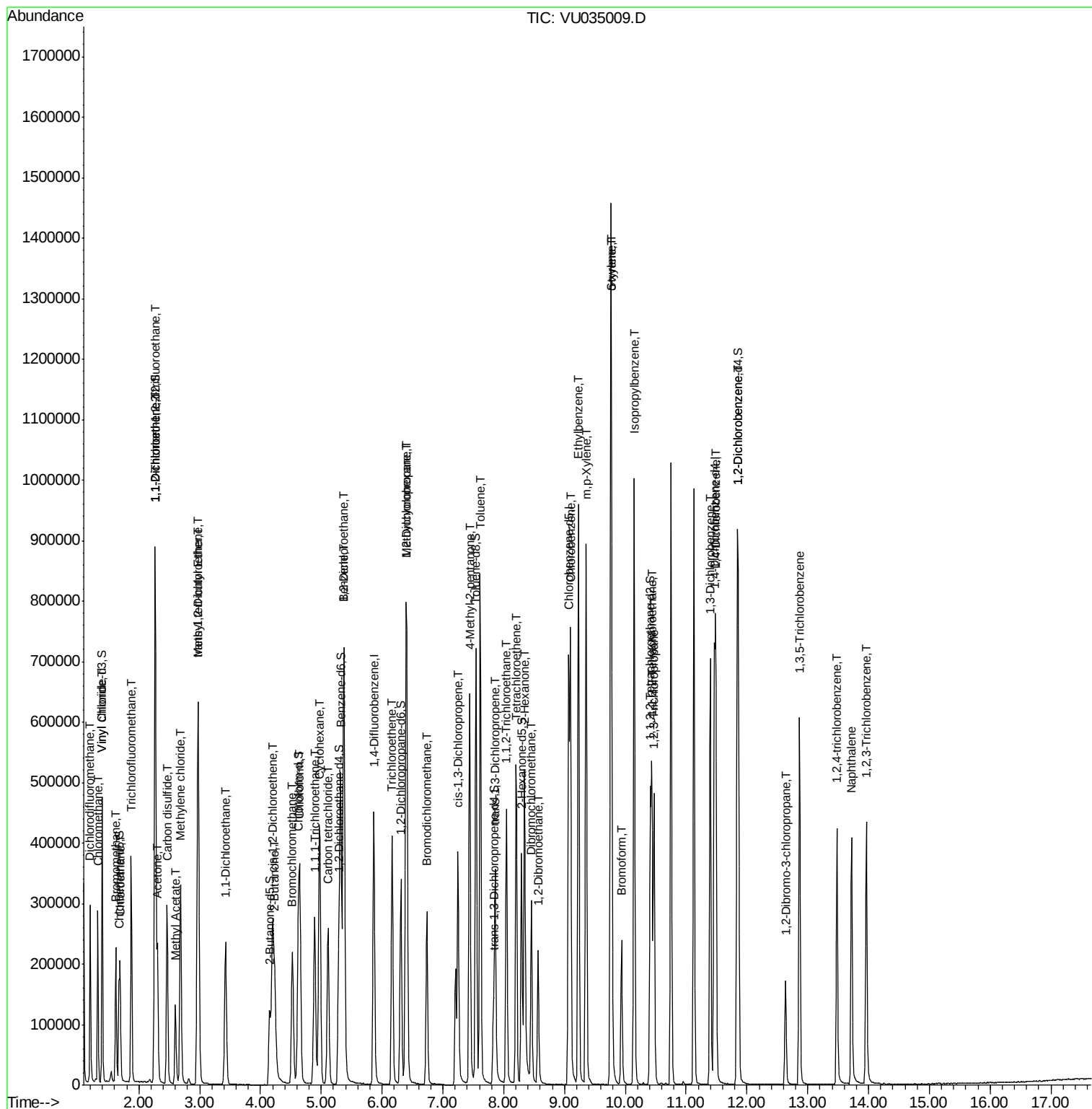
(#) = qualifier out of range (m) = manual integration (+) = signals summed

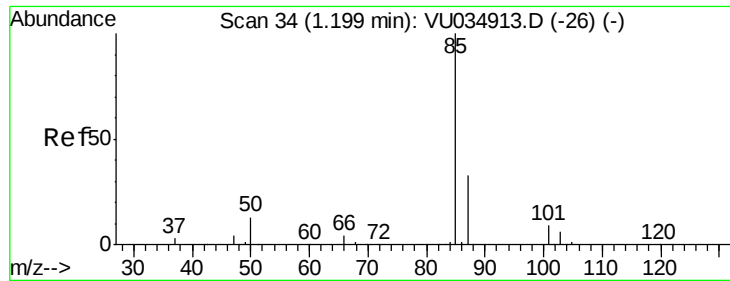
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#2

Dichlorodifluoromethane

Concen: 53.647 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

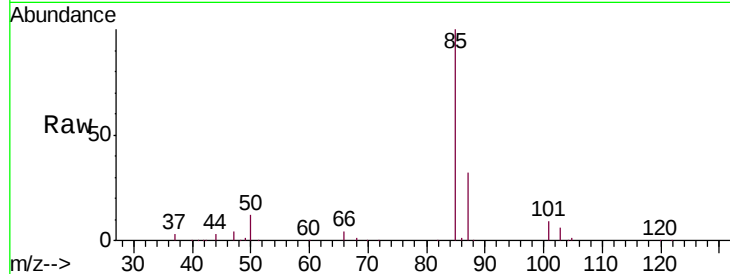
VSTD05053

Tgt Ion: 85 Resp: 172272

Ion Ratio Lower Upper

85 100

87 32.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU034913.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034913.D (-26) (-)

1.20

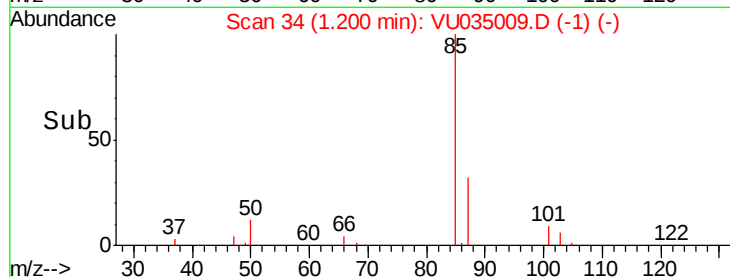
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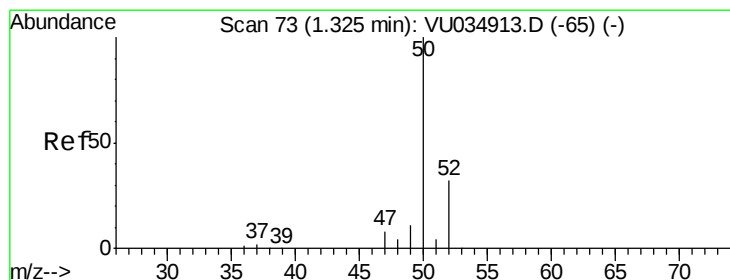
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 51.121 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035009.D

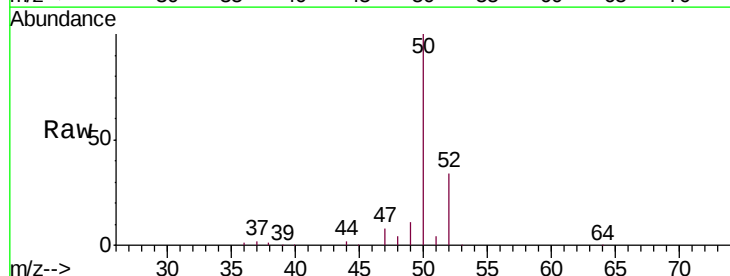
Acq: 09 Oct 2019 15:53

Tgt Ion: 50 Resp: 183073

Ion Ratio Lower Upper

50 100

52 33.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VU034913.D (-65) (-)

Ion 52.00 (51.70 to 52.70): VU034913.D (-65) (-)

200000

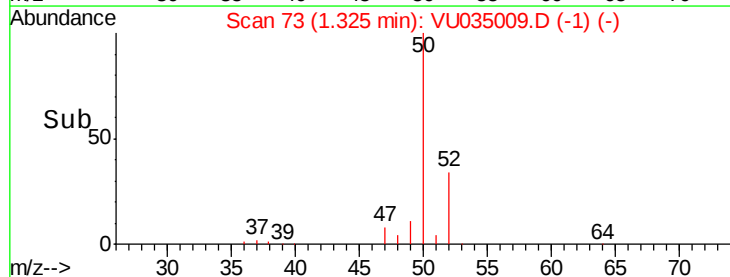
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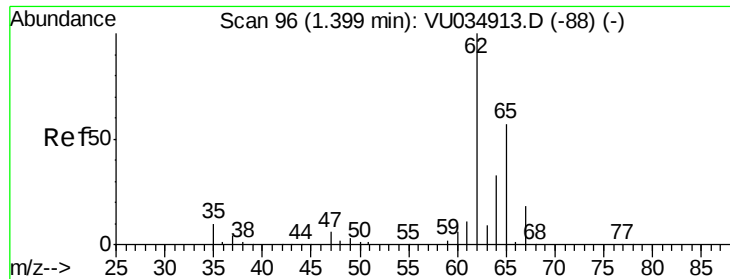
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 53.363 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

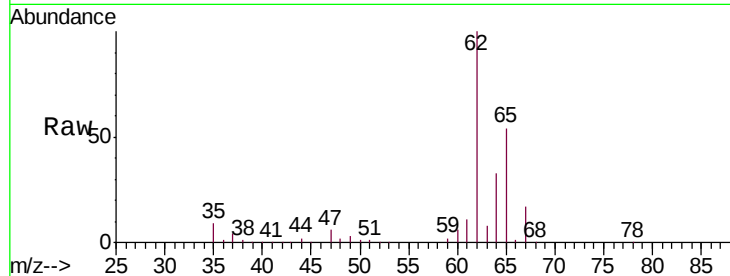
VSTD05053

Tgt Ion: 62 Resp: 180648

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU034913.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU034913.D (-88) (-)

200000

150000

100000

50000

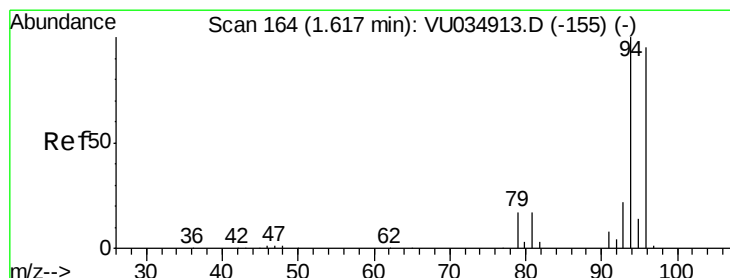
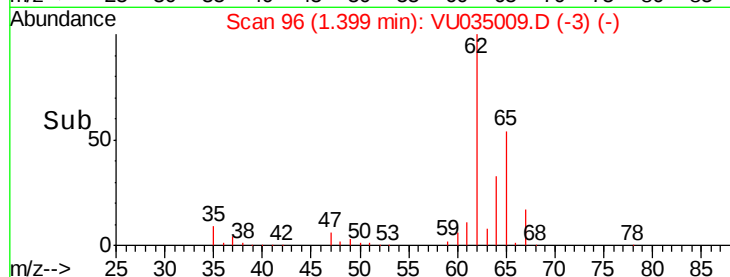
0

1.35

1.40

1.45

Time-->



#6

Bromomethane

Concen: 51.851 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU035009.D

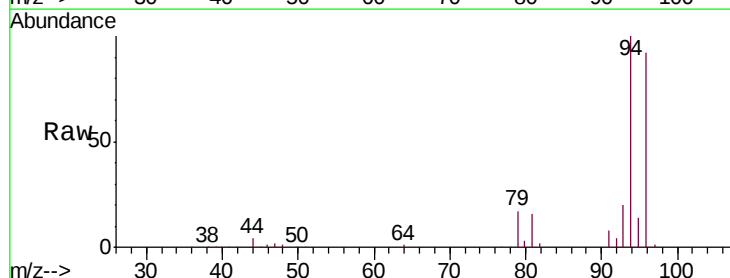
Acq: 09 Oct 2019 15:53

Tgt Ion: 94 Resp: 102156

Ion Ratio Lower Upper

94 100

96 91.7 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VU034913.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU034913.D (-155) (-)

80000

60000

40000

20000

0

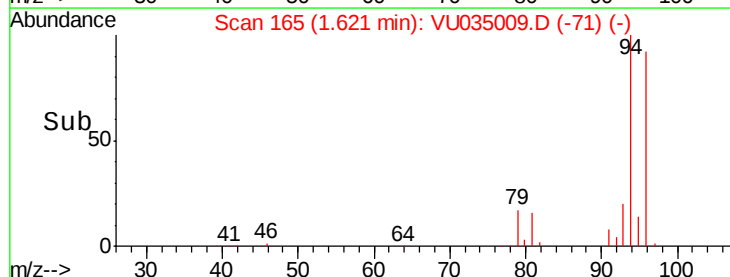
1.55

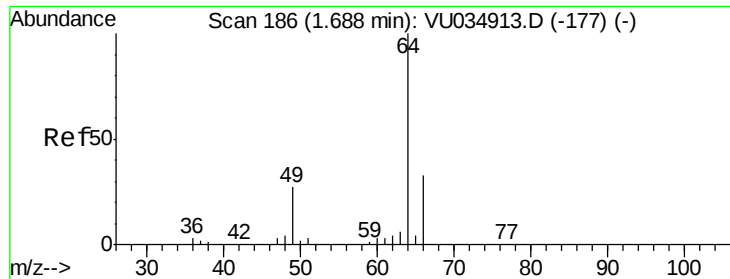
1.60

1.65

1.70

Time-->





#8

Chloroethane

Concen: 55.243 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

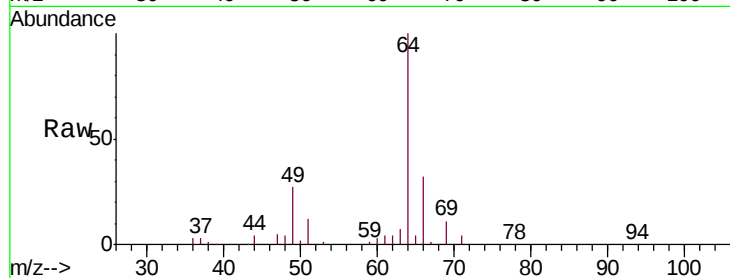
VSTD05053

Tgt Ion: 64 Resp: 109621

Ion Ratio Lower Upper

64 100

66 32.0 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU034913.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU034913.D (-177) (-)

1.69

80000

60000

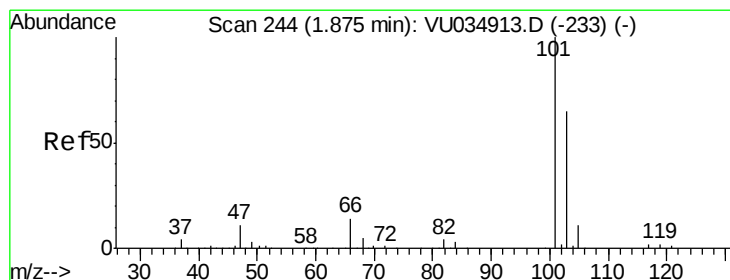
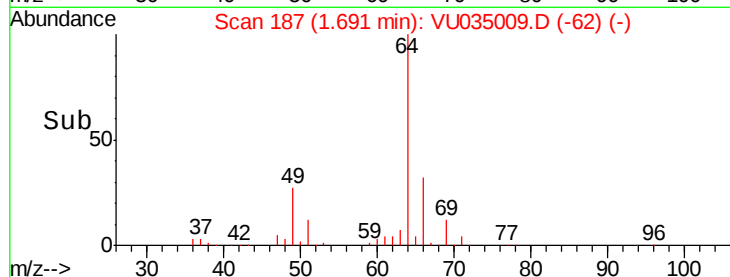
40000

20000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 55.724 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU035009.D

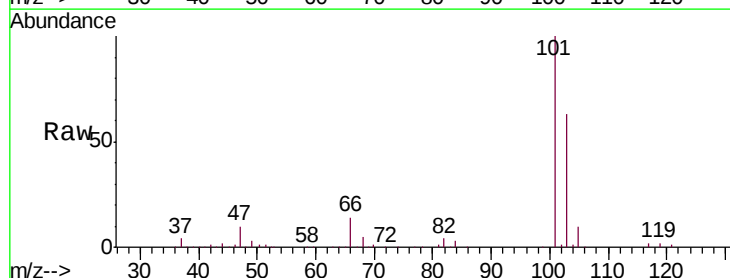
Acq: 09 Oct 2019 15:53

Tgt Ion: 101 Resp: 222287

Ion Ratio Lower Upper

101 100

103 63.9 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VU034913.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034913.D (-233) (-)

1.87

150000

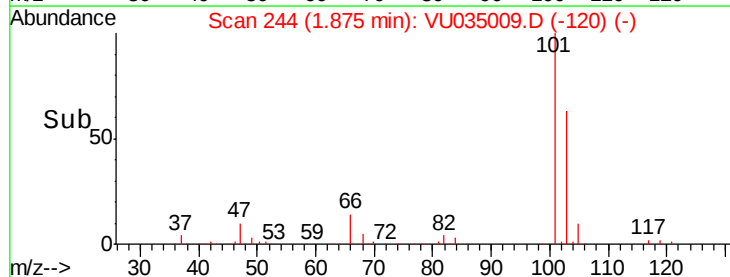
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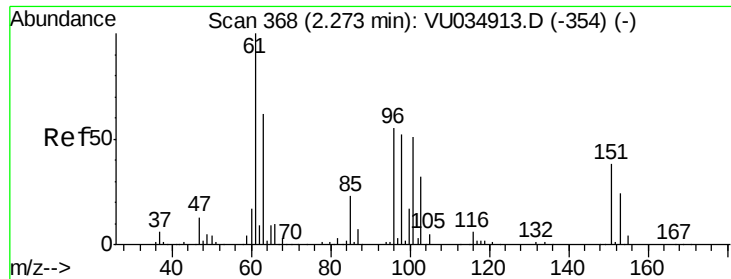
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 57.179 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035009.D

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Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

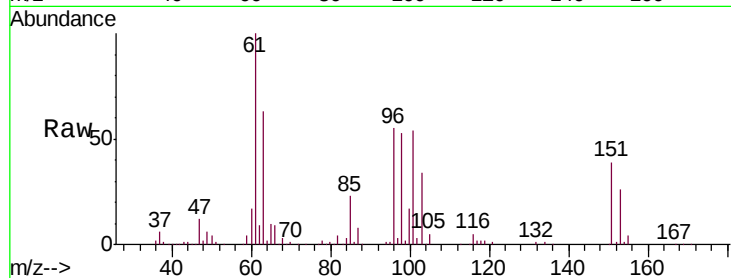
Tgt Ion: 101 Resp: 128707

Ion Ratio Lower Upper

101 100

85 43.5 35.9 53.9

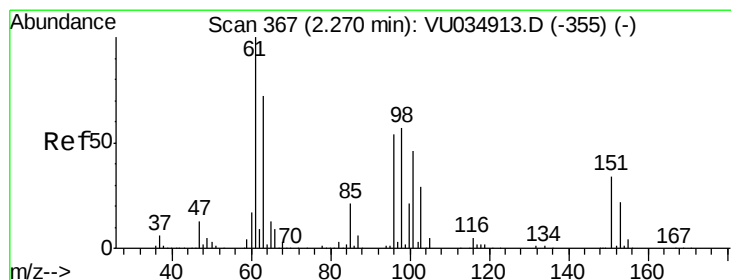
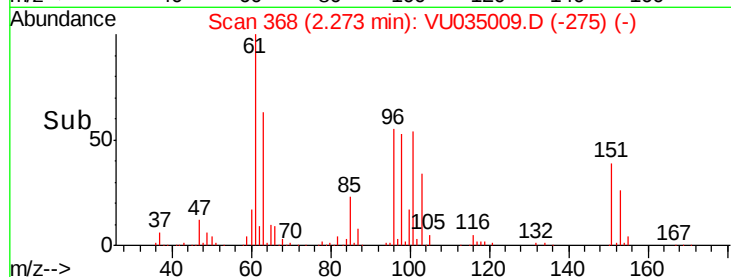
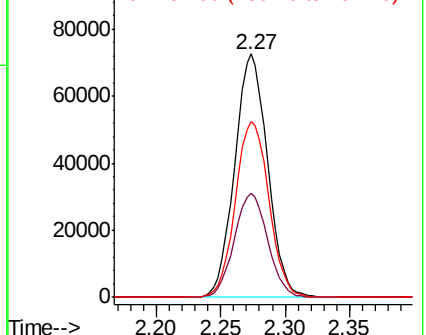
151 73.4 59.0 88.4



Abundance Ion 101.00 (100.70 to 101.70): VU034913.D (-354) (-)

Ion 85.00 (84.70 to 85.70): VU034913.D (-354) (-)

Ion 151.00 (150.70 to 151.70): VU034913.D (-354) (-)



#12

1,1-Dichloroethene

Concen: 54.812 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

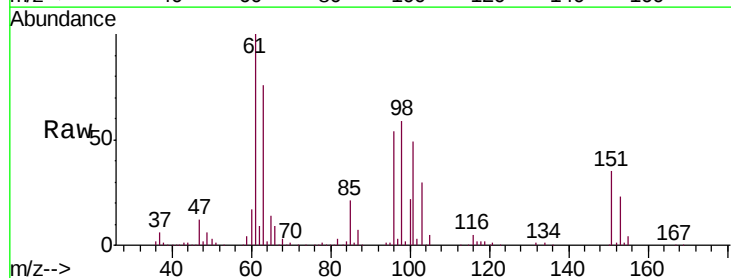
Tgt Ion: 96 Resp: 118444

Ion Ratio Lower Upper

96 100

61 184.7 131.2 243.6

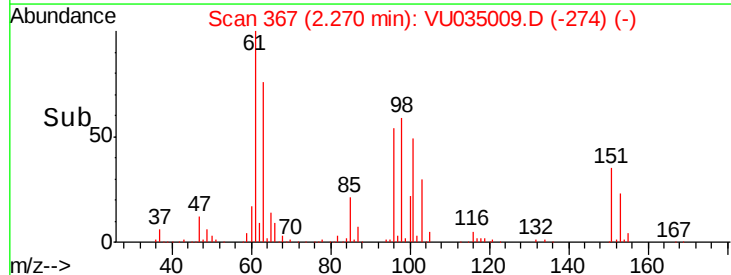
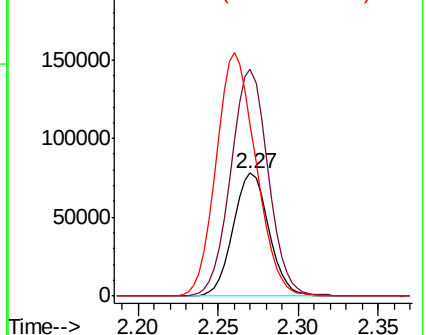
63 139.6 97.6 181.2

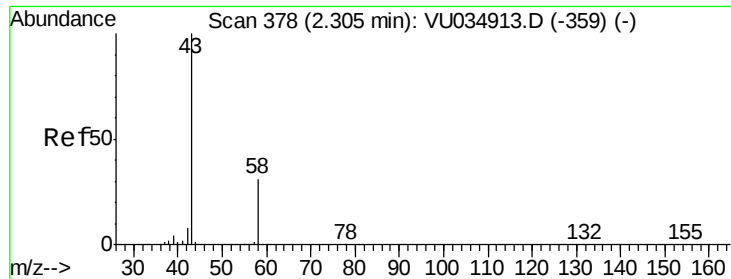


Abundance Ion 96.00 (95.70 to 96.70): VU034913.D (-355) (-)

Ion 61.00 (60.70 to 61.70): VU034913.D (-355) (-)

Ion 63.00 (62.70 to 63.70): VU034913.D (-355) (-)





#13

Acetone

Concen: 105.391 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

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MSVOA_U

ClientSampleId :

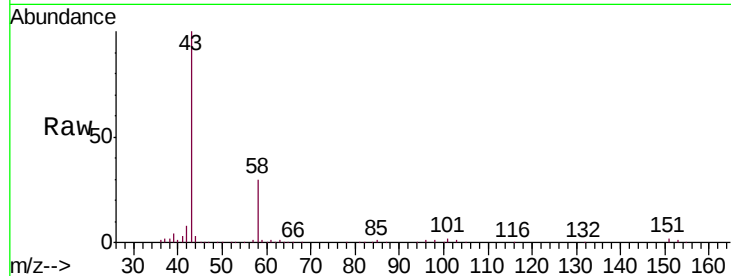
VSTD05053

Tgt Ion: 43 Resp: 222152

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VU034913.D (-359) (-)

Ion 58.00 (57.70 to 58.70): VU034913.D (-359) (-)

2.31

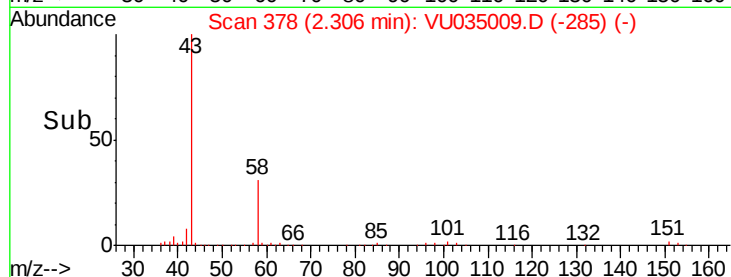
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100000

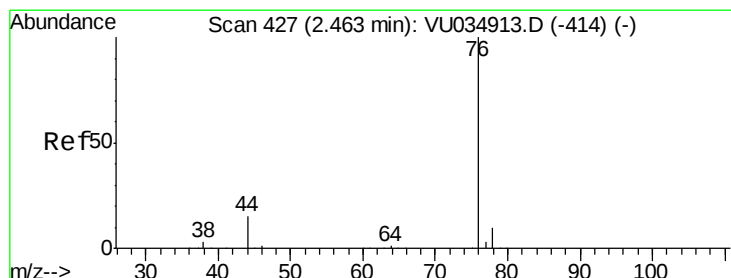
50000

0

Time-->



Time-->



#14

Carbon disulfide

Concen: 51.836 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU035009.D

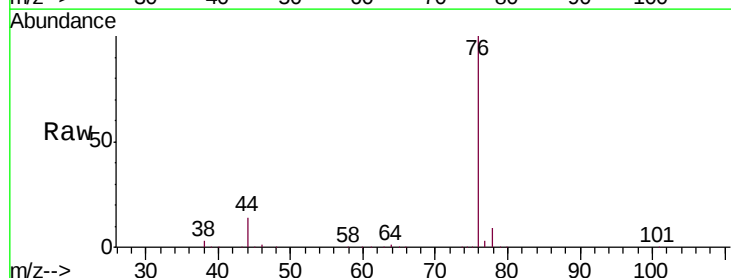
Acq: 09 Oct 2019 15:53

Tgt Ion: 76 Resp: 369787

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VU034913.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034913.D (-414) (-)

2.46

250000

200000

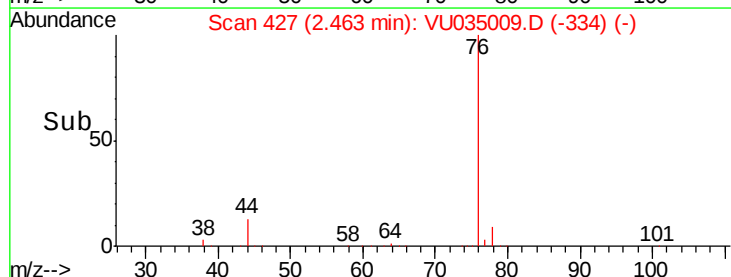
150000

100000

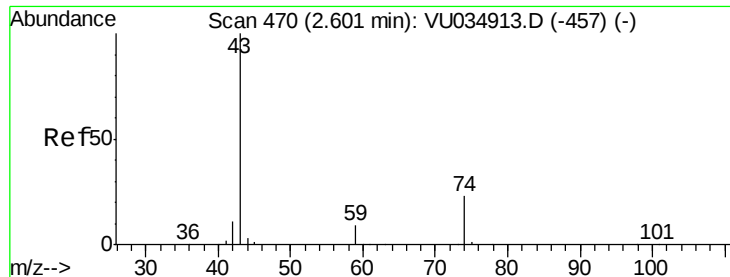
50000

0

Time-->



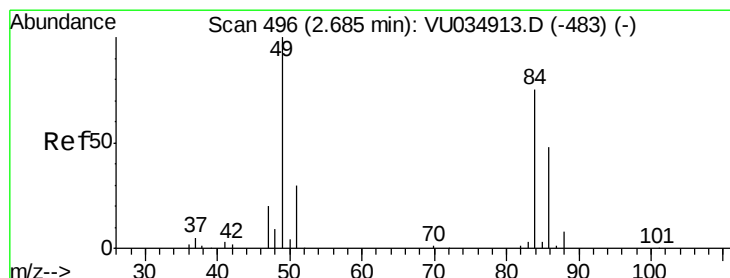
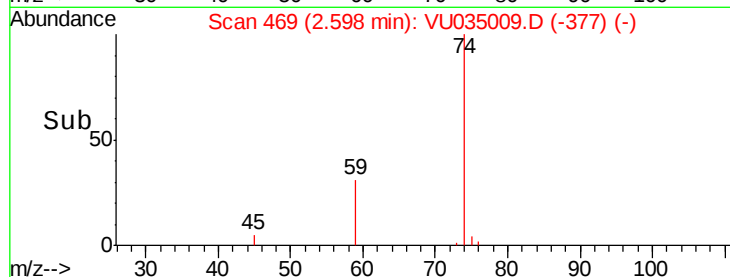
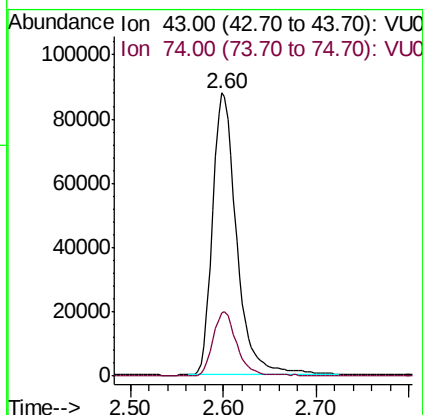
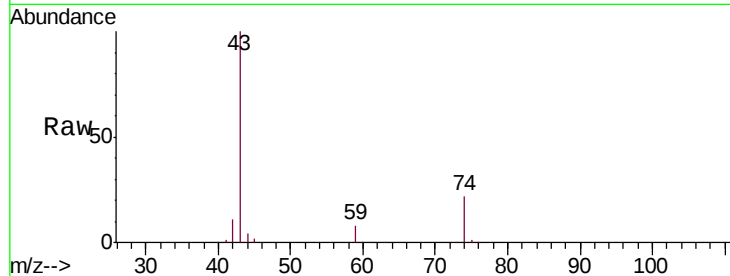
Time-->



#15
Methyl Acetate
Concen: 49.836 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

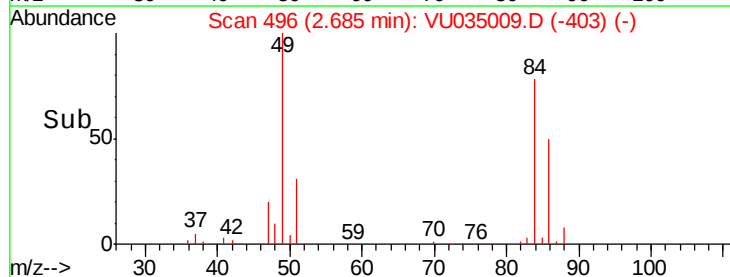
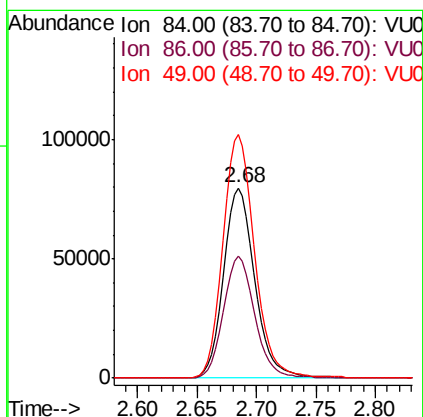
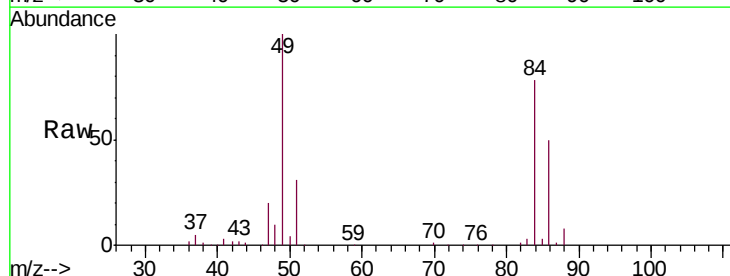
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

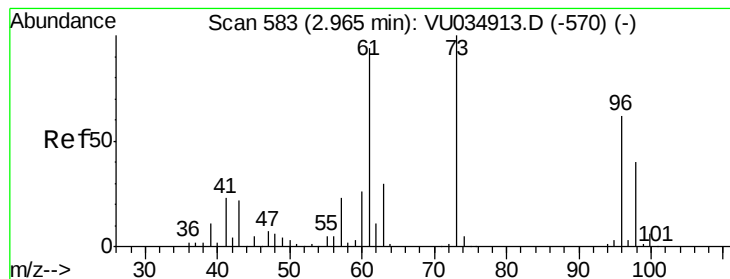
Tgt Ion: 43 Resp: 158986
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.6



#16
Methylene chloride
Concen: 53.132 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

Tgt Ion: 84 Resp: 145597
Ion Ratio Lower Upper
84 100
86 64.0 44.9 83.5
49 128.0 93.2 173.2





#17

trans-1,2-Dichloroethene

Concen: 53.111 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

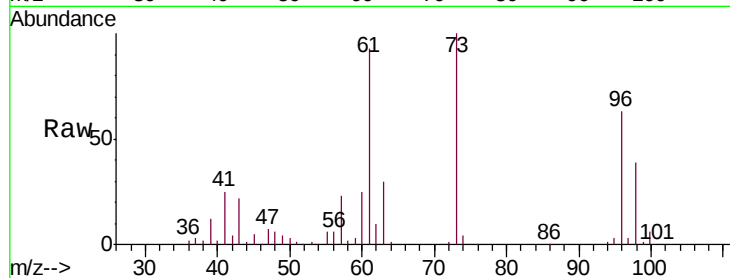
Tgt Ion: 96 Resp: 128393

Ion Ratio Lower Upper

96 100

61 147.9 107.0 198.6

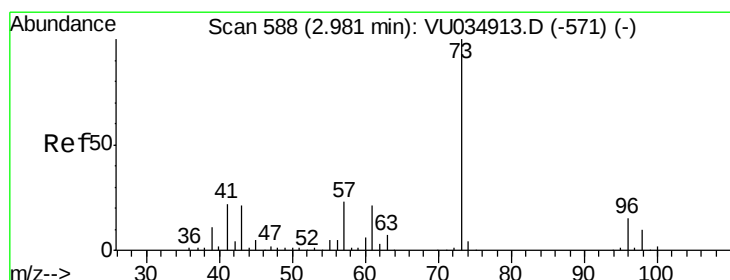
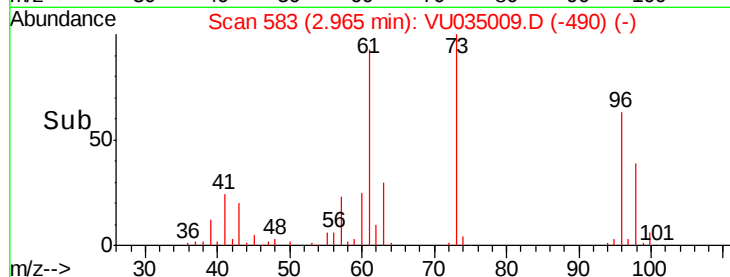
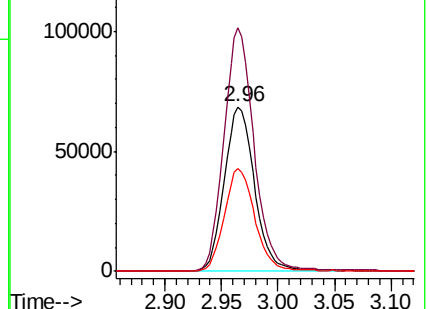
98 62.2 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VU034913.D (-570) (-)

Ion 61.00 (60.70 to 61.70): VU034913.D (-570) (-)

Ion 98.00 (97.70 to 98.70): VU034913.D (-570) (-)



#18

Methyl tert-butyl Ether

Concen: 49.913 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

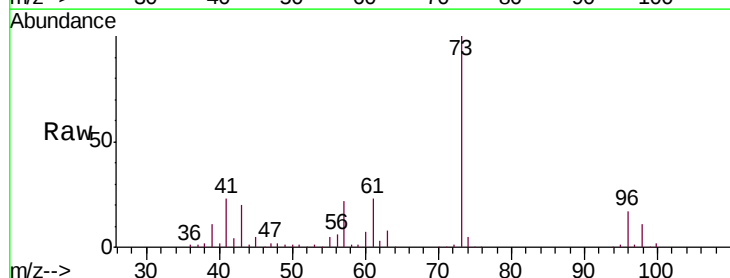
Tgt Ion: 73 Resp: 406033

Ion Ratio Lower Upper

73 100

43 20.6 16.8 25.2

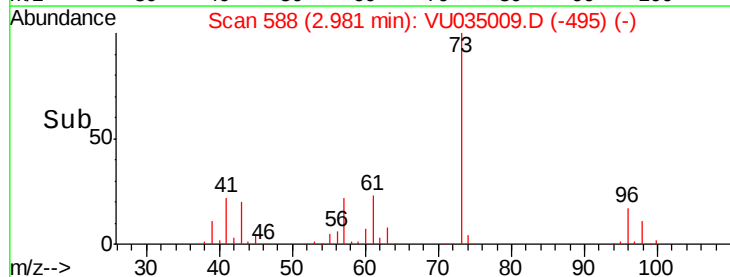
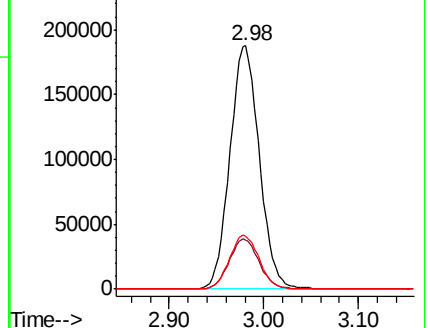
57 22.3 18.2 27.2

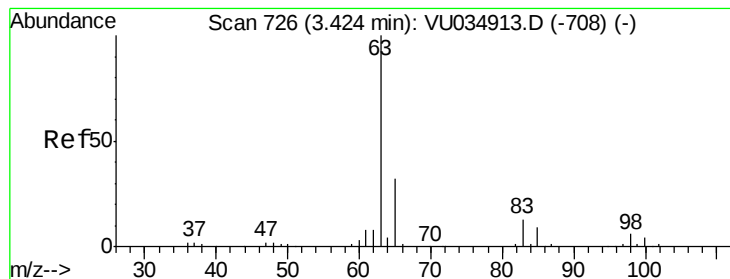


Abundance Ion 73.00 (72.70 to 73.70): VU034913.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU034913.D (-571) (-)

Ion 57.00 (56.70 to 57.70): VU034913.D (-571) (-)

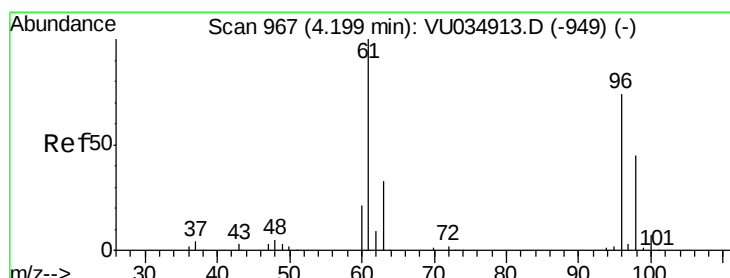
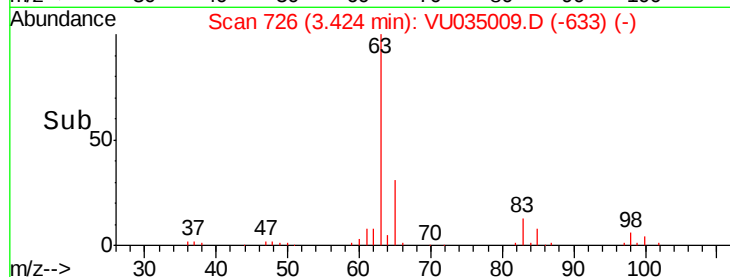
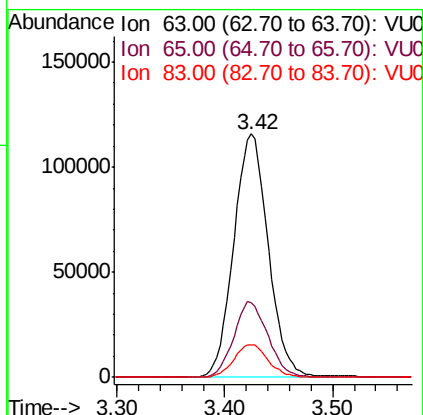
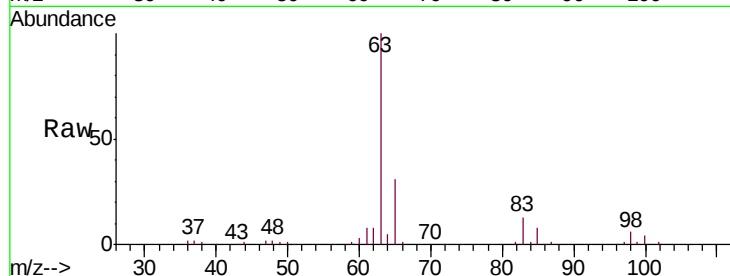




#19
 1,1-Dichloroethane
 Concen: 52.943 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

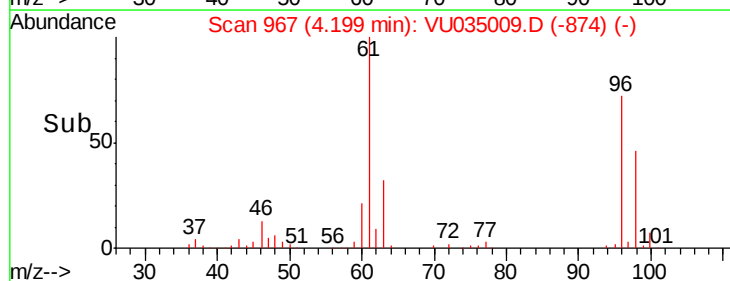
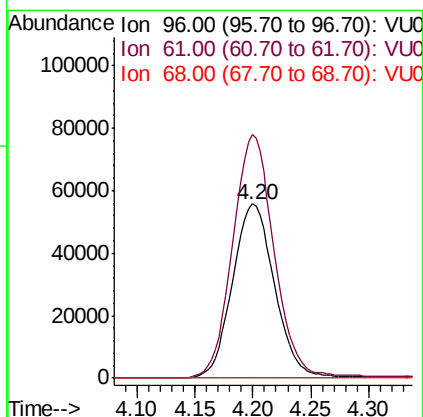
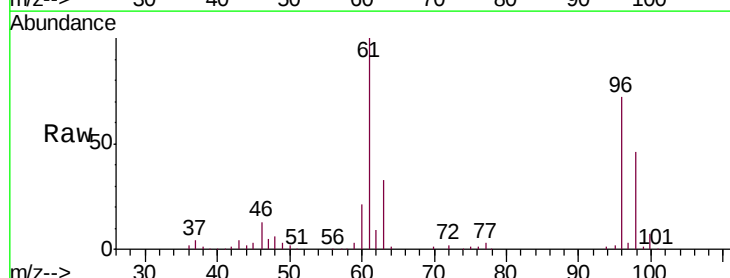
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

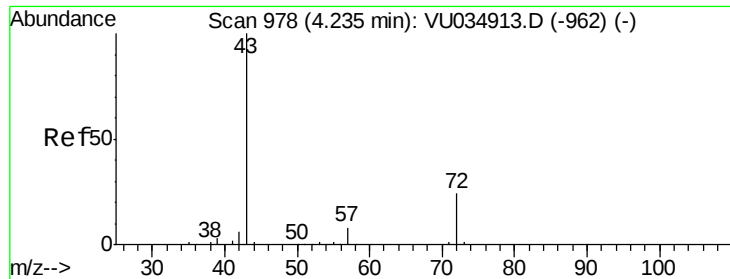
Tgt Ion: 63 Resp: 258914
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.4 41.6
 83 13.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 51.608 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Tgt Ion: 96 Resp: 140445
 Ion Ratio Lower Upper
 96 100
 61 139.6 95.2 176.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.929 ug/L

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampled :

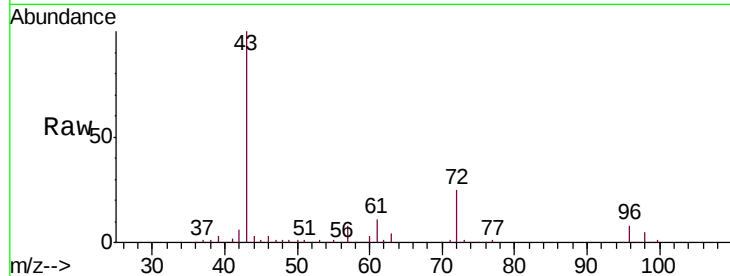
VSTD05053

Tgt Ion: 43 Resp: 257746

Ion Ratio Lower Upper

43 100

72 25.0 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VU034913.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VU034913.D (-962) (-)

4.23

100000

80000

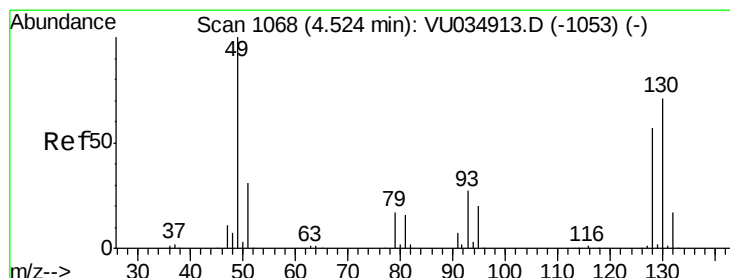
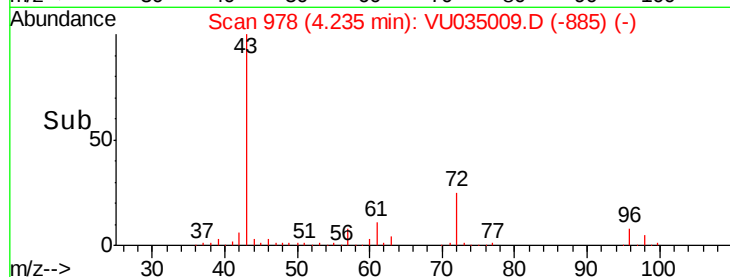
60000

40000

20000

0

Time--> 4.10 4.20 4.30 4.40



#23

Bromochloromethane

Concen: 53.620 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Tgt Ion: 128 Resp: 72876

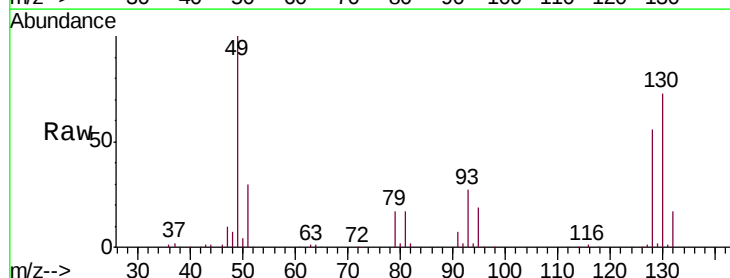
Ion Ratio Lower Upper

128 100

49 177.5 123.5 229.3

130 129.9 87.0 161.6

51 53.8 43.7 65.5



Abundance Ion 128.00 (127.70 to 128.70): VU034913.D (-1053) (-)

Ion 49.00 (48.70 to 49.70): VU034913.D (-1053) (-)

Ion 130.00 (129.70 to 130.70): VU034913.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU034913.D (-1053) (-)

80000

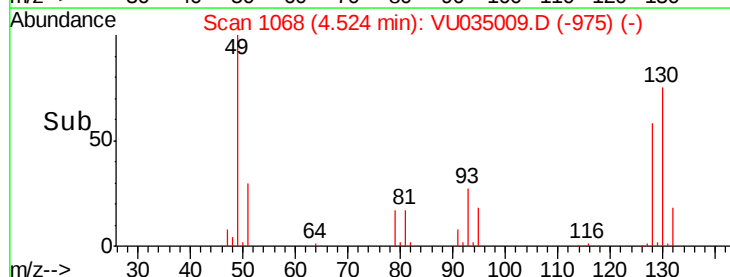
60000

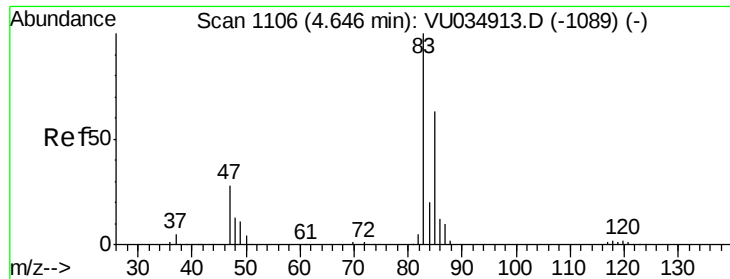
40000

20000

0

Time--> 4.45 4.50 4.55 4.60





#25

Chloroform

Concen: 53.526 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

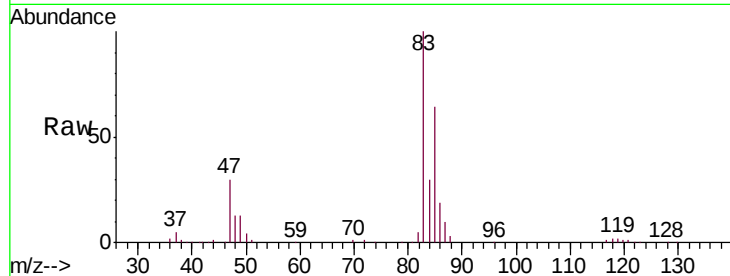
VSTD05053

Tgt Ion: 83 Resp: 266260

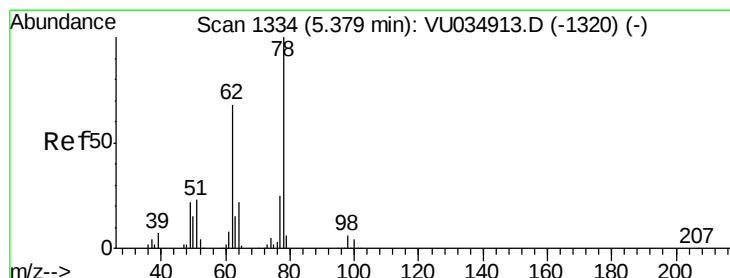
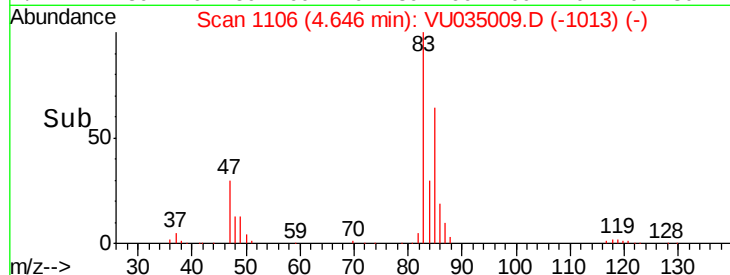
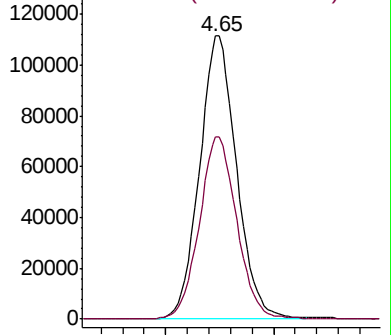
Ion Ratio Lower Upper

83 100

85 64.3 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VU034913.D (-1089) (-)



#27

1,2-Dichloroethane

Concen: 52.290 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU035009.D

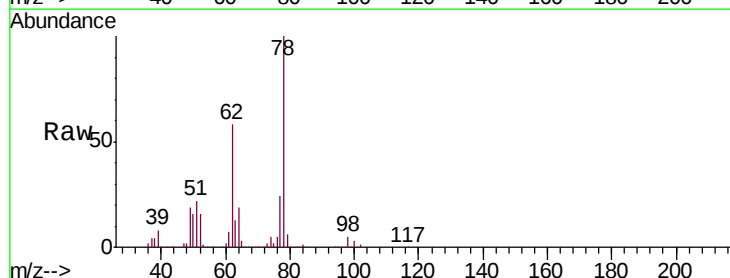
Acq: 09 Oct 2019 15:53

Tgt Ion: 62 Resp: 206991

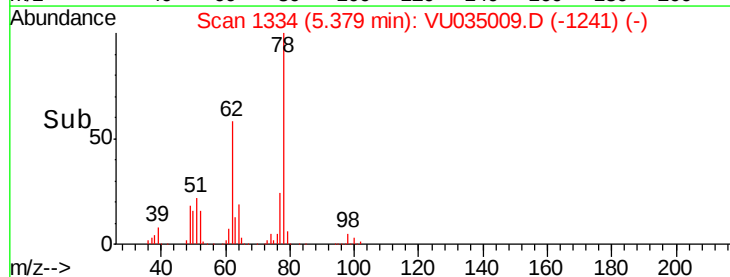
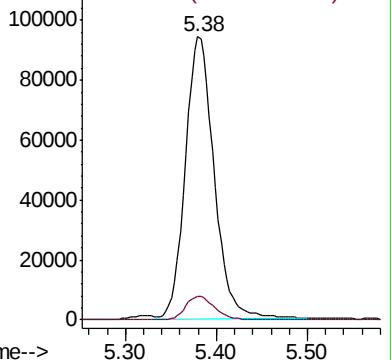
Ion Ratio Lower Upper

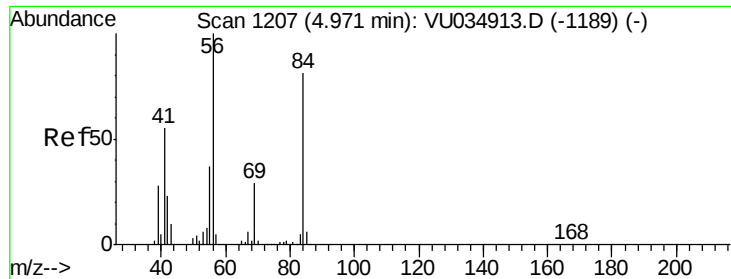
62 100

98 8.4 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VU034913.D (-1320) (-)

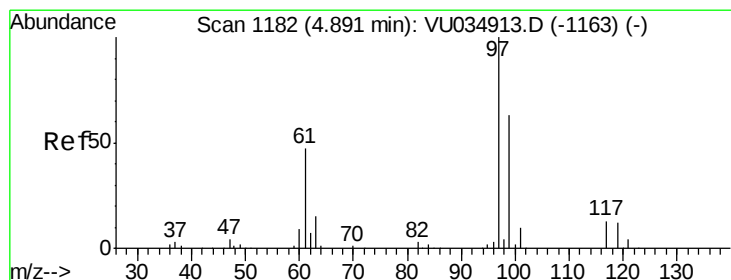
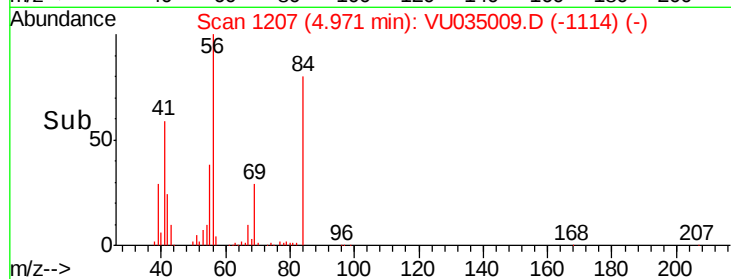
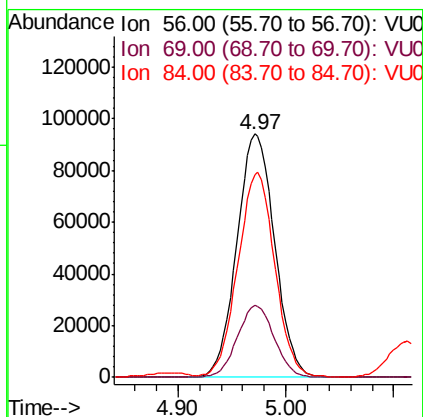
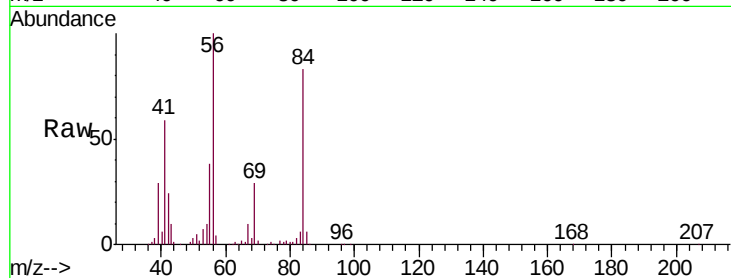




#29
Cyclohexane
Concen: 50.633 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

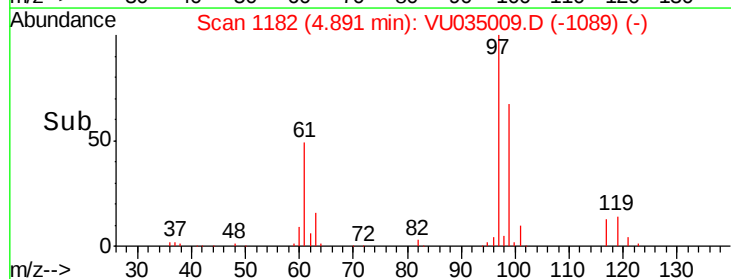
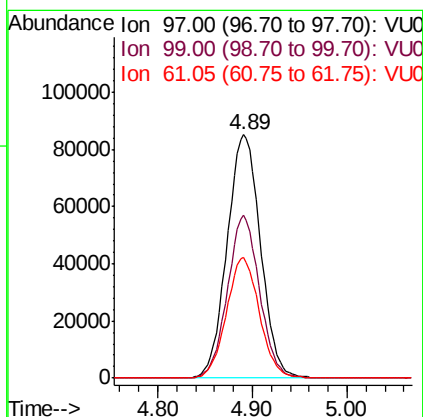
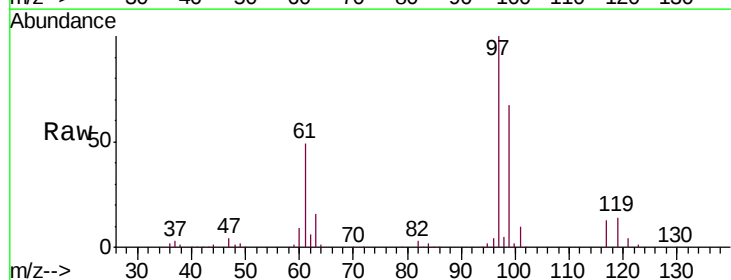
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

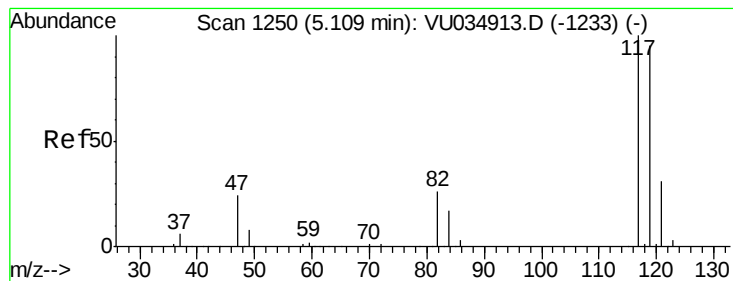
Tgt Ion: 56 Resp: 228351
Ion Ratio Lower Upper
56 100
69 28.9 23.8 35.6
84 82.0 65.4 98.2



#30
1,1,1-Trichloroethane
Concen: 51.715 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

Tgt Ion: 97 Resp: 209300
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 48.9 38.7 58.1





#31

Carbon tetrachloride

Concen: 52.242 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

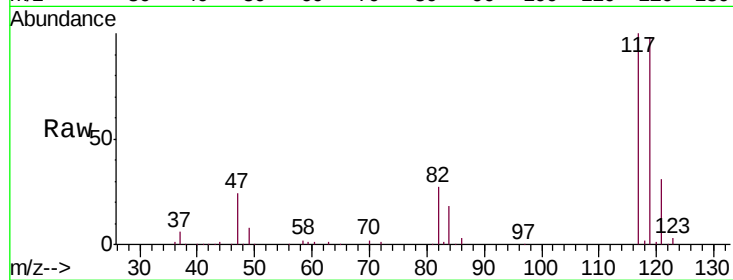
VSTD05053

Tgt Ion:117 Resp: 184290

Ion Ratio Lower Upper

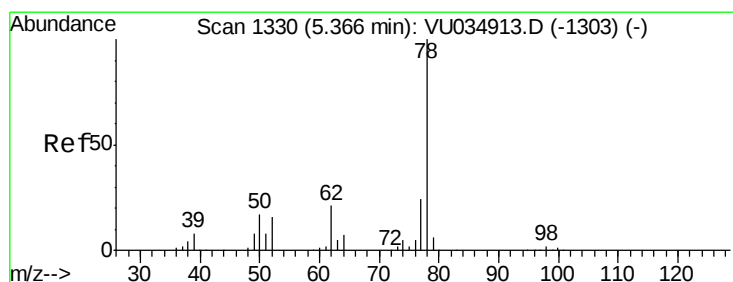
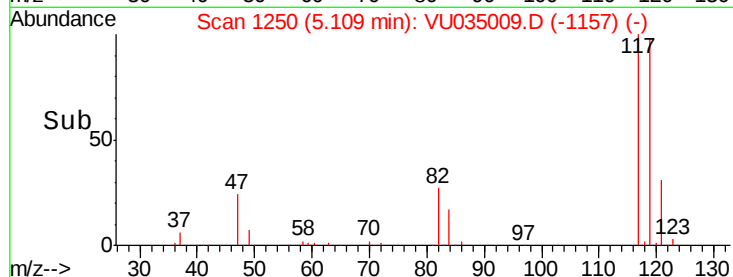
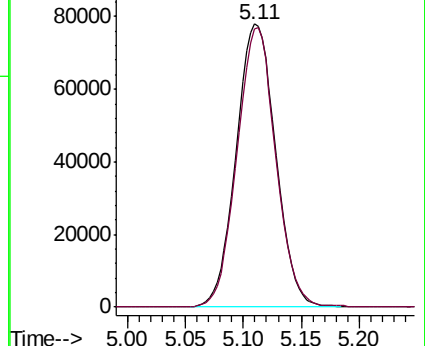
117 100

119 96.9 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.425 ug/L

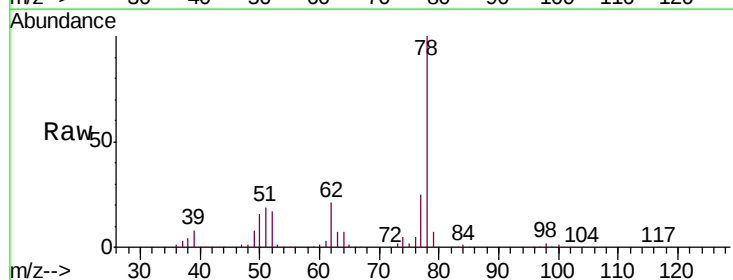
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

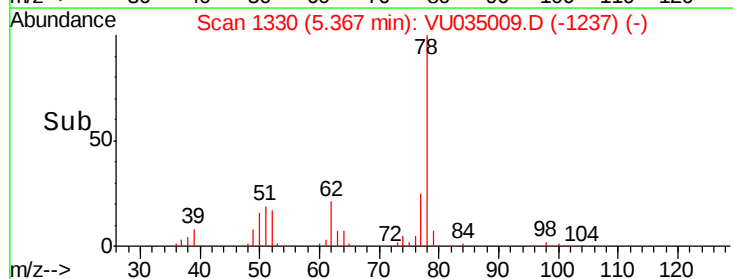
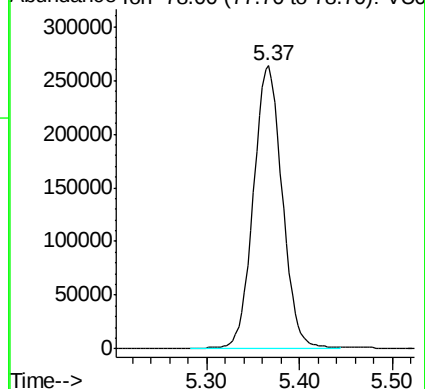
Lab File: VU035009.D

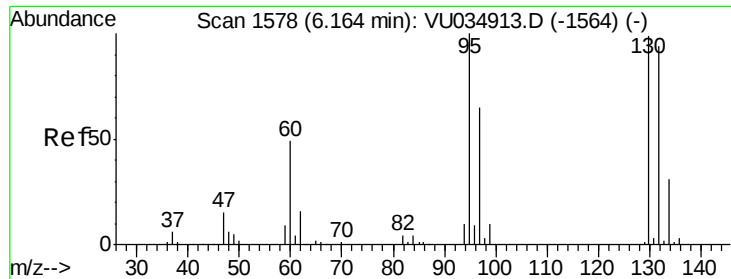
Acq: 09 Oct 2019 15:53

Tgt Ion: 78 Resp: 571598



Abundance Ion 78.00 (77.70 to 78.70): VU0

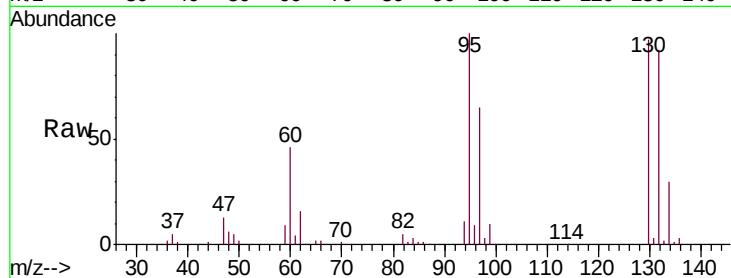




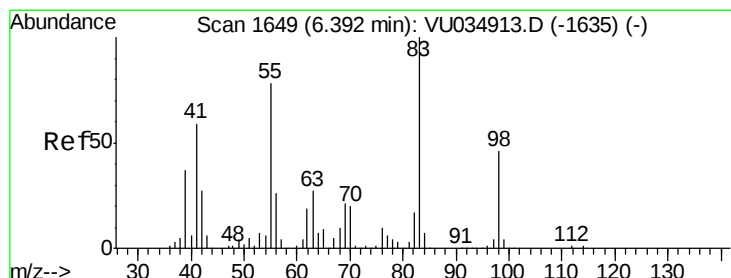
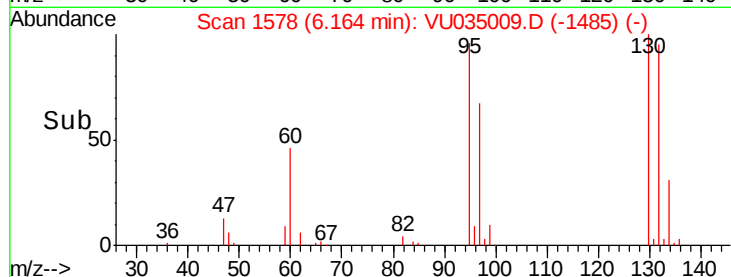
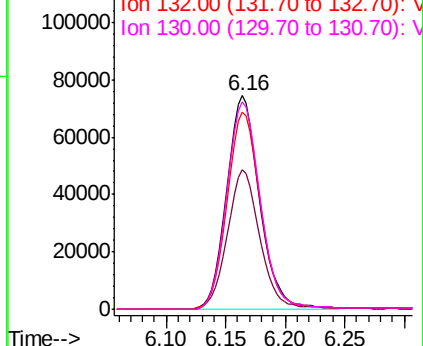
#34
 Trichloroethene
 Concen: 52.071 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion: 95 Resp: 143065
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.1 83.9
 132 92.3 65.9 122.5
 130 96.9 69.0 128.2

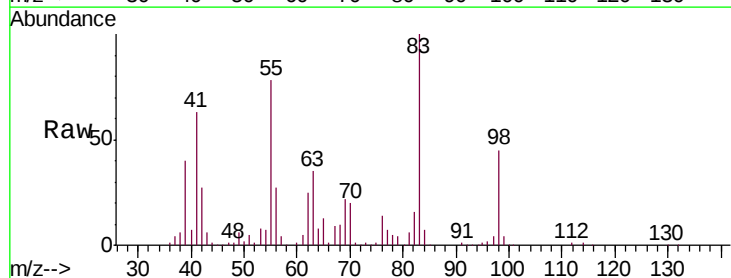


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

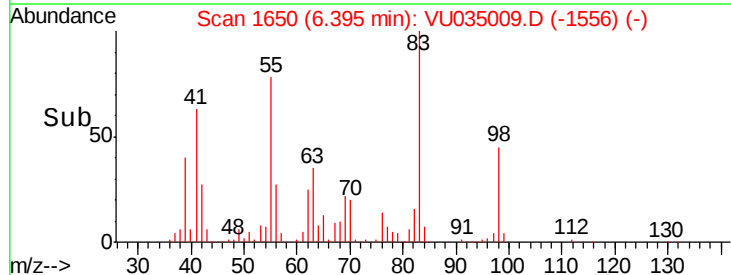
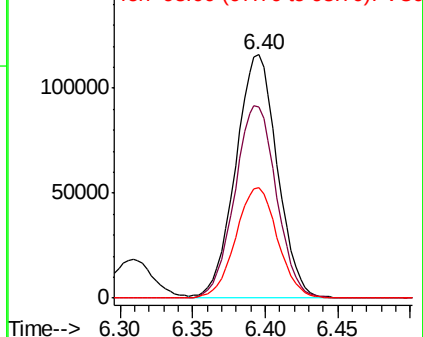


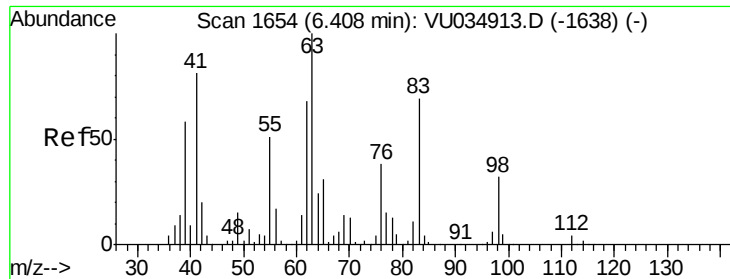
#35
 Methylcyclohexane
 Concen: 51.739 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Tgt Ion: 83 Resp: 230758
 Ion Ratio Lower Upper
 83 100
 55 79.5 62.1 93.1
 98 45.8 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

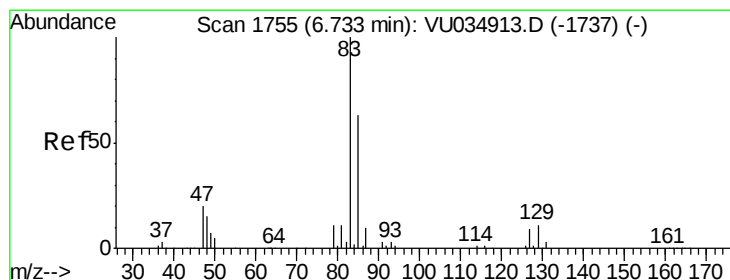
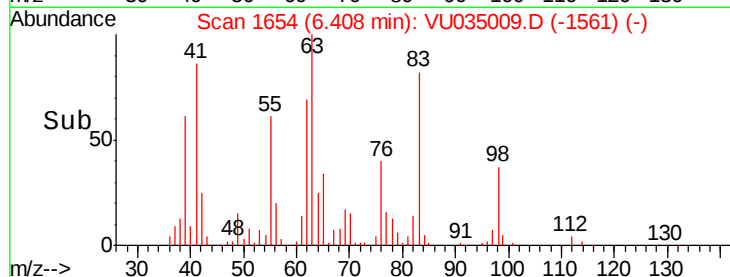
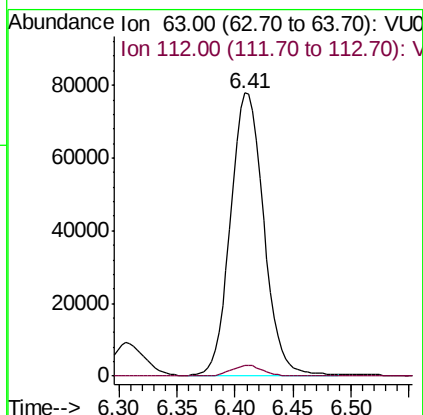
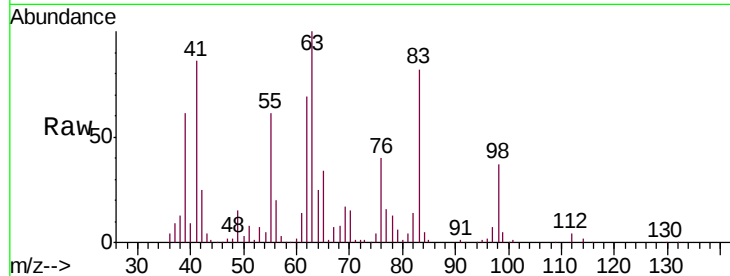




#37
 1,2-Dichloropropane
 Concen: 50.802 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

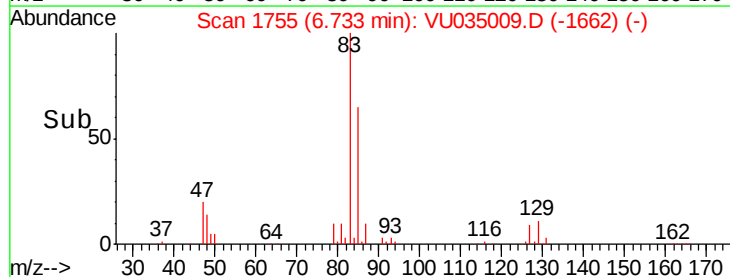
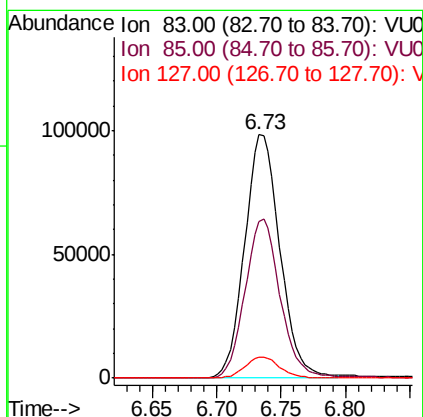
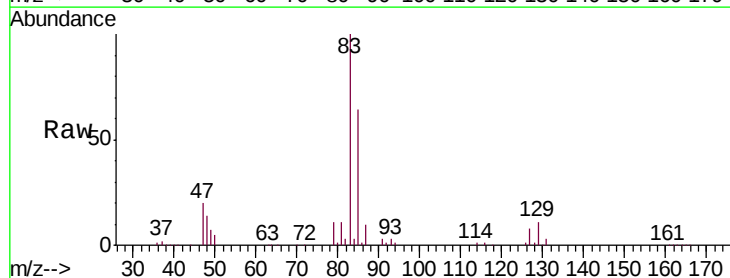
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

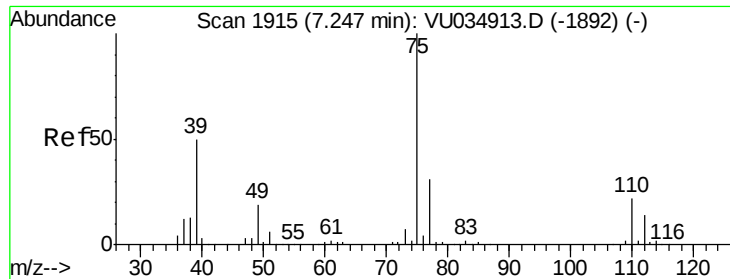
Tgt Ion: 63 Resp: 154379
 Ion Ratio Lower Upper
 63 100
 112 3.7 2.9 4.3



#38
 Bromodichloromethane
 Concen: 51.093 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Tgt Ion: 83 Resp: 188474
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.3 82.3
 127 8.4 7.0 10.4

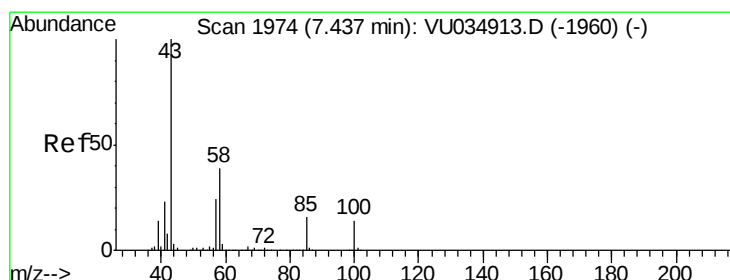
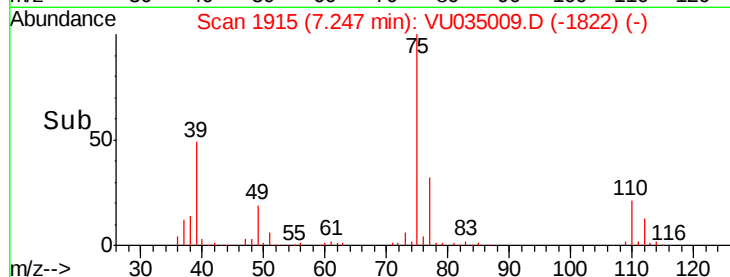
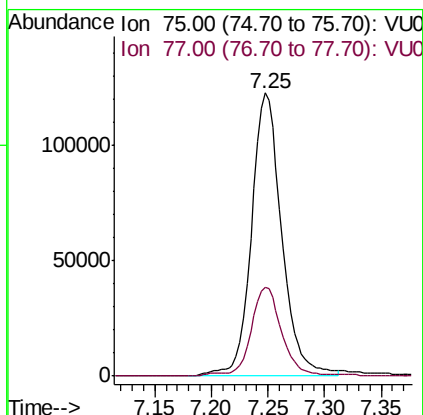
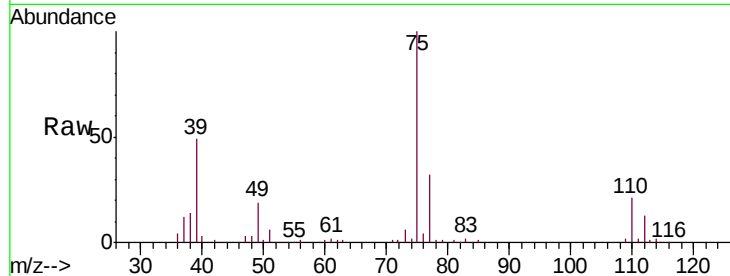




#39
 cis-1,3-Dichloropropene
 Concen: 49.675 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

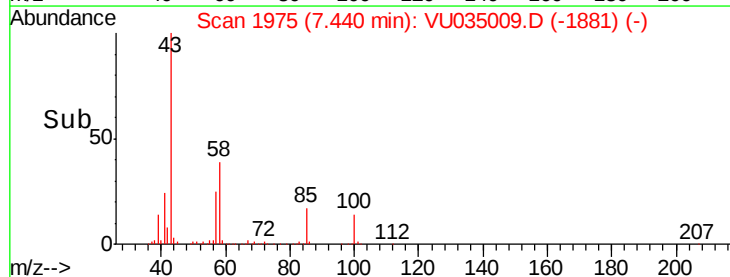
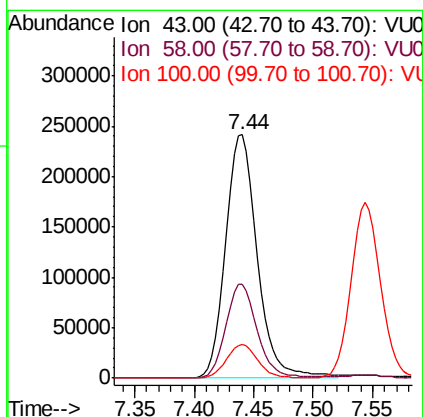
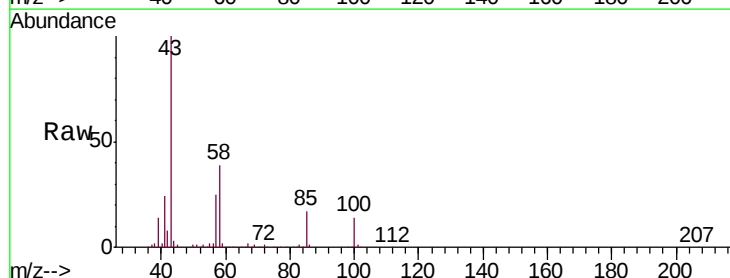
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

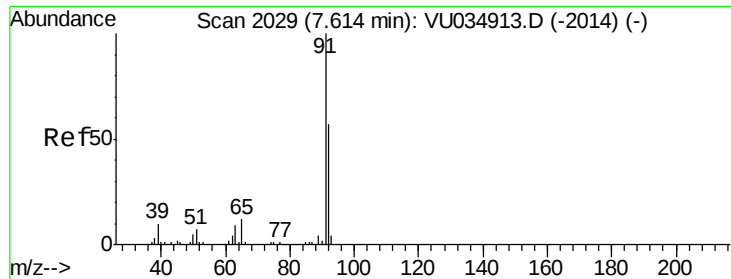
Tgt Ion: 75 Resp: 228711
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 94.809 ug/L
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Tgt Ion: 43 Resp: 446282
 Ion Ratio Lower Upper
 43 100
 58 38.2 30.7 46.1
 100 13.6 10.9 16.3





#42

Toluene

Concen: 52.327 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

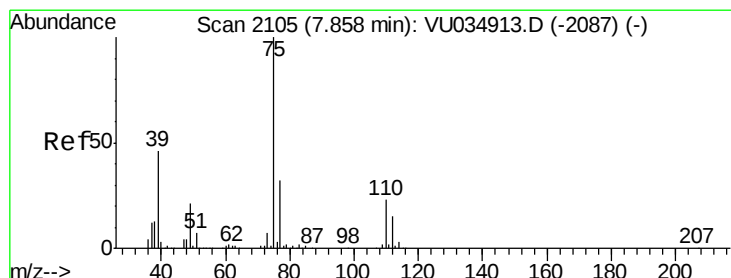
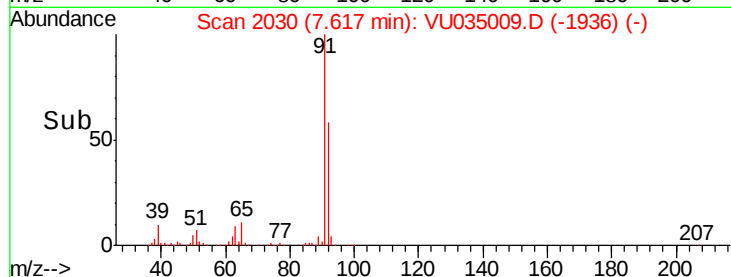
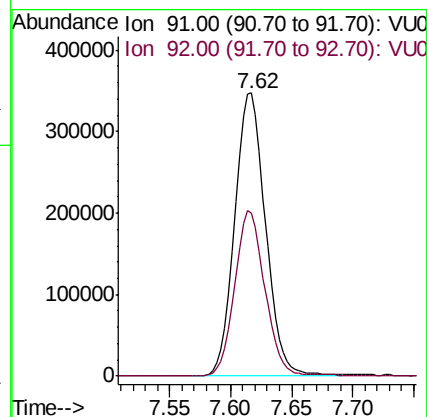
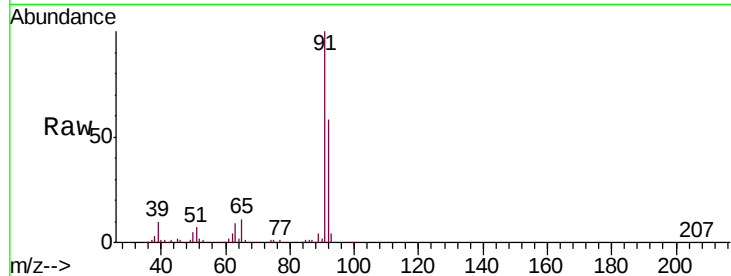
VSTD05053

Tgt Ion: 91 Resp: 613226

Ion Ratio Lower Upper

91 100

92 57.8 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 50.173 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VU035009.D

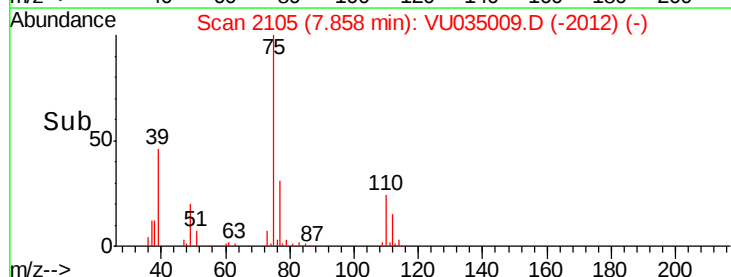
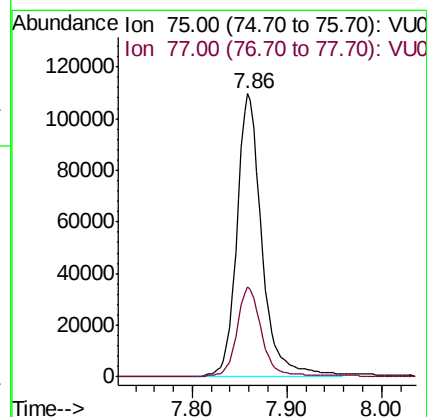
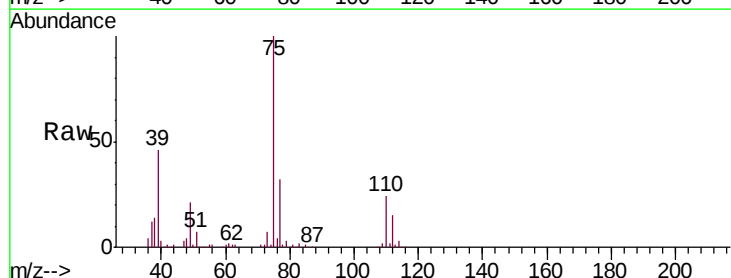
Acq: 09 Oct 2019 15:53

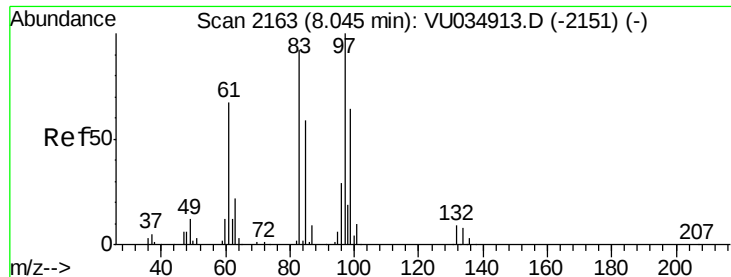
Tgt Ion: 75 Resp: 202489

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2

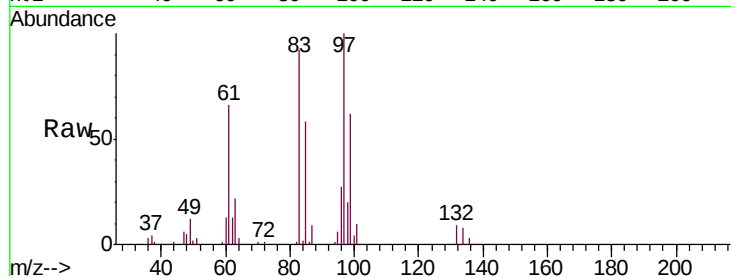




#45
 1,1,2-Trichloroethane
 Concen: 52.099 ug/L
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion:	97	Resp:	139211
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.8	83.2
83	91.7	64.4	119.6
85	58.2	41.4	76.8



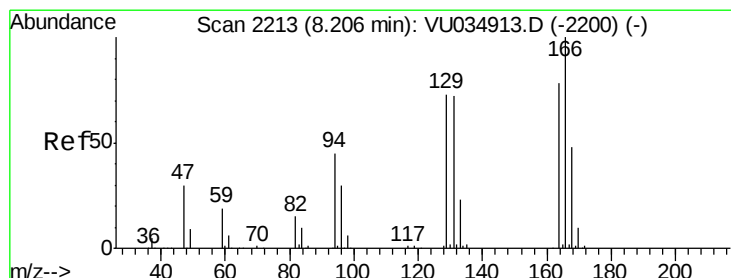
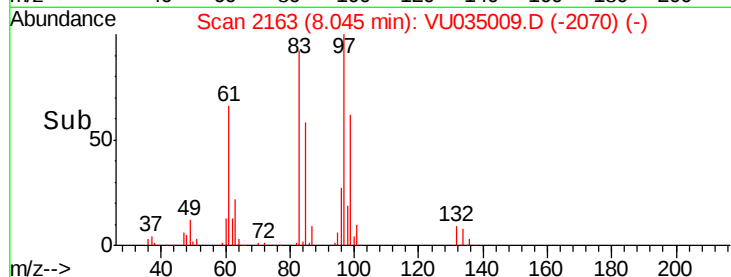
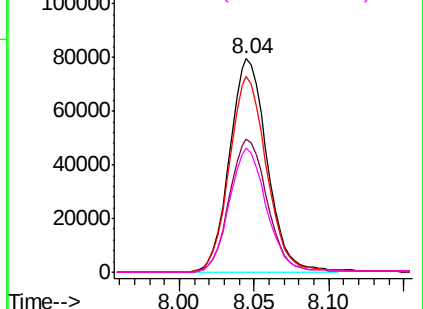
Abundance

Ion 97.00 (96.70 to 97.70): VU034913.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU034913.D (-2151) (-)

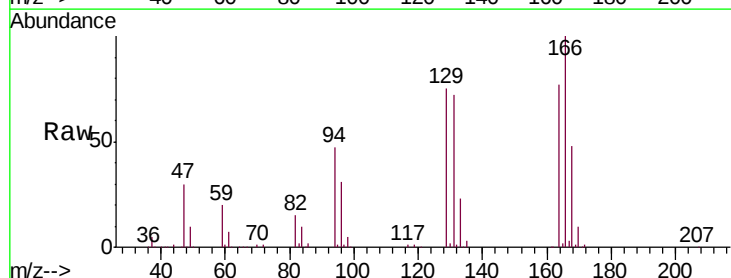
Ion 83.00 (82.70 to 83.70): VU034913.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU034913.D (-2151) (-)



#46
 Tetrachloroethene
 Concen: 51.864 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Tgt Ion:	164	Resp:	113040
Ion	Ratio	Lower	Upper
164	100		
129	96.4	65.9	122.3
131	92.7	64.9	120.5
166	129.0	89.9	166.9



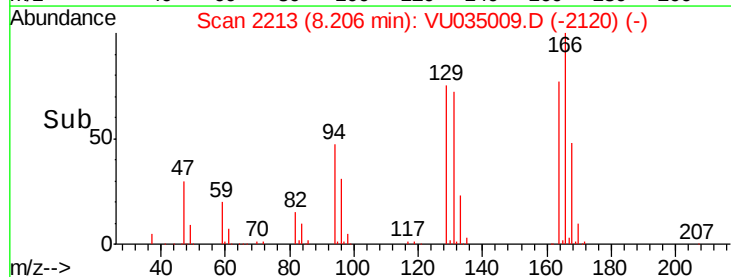
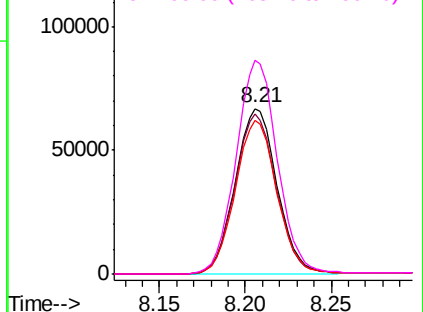
Abundance

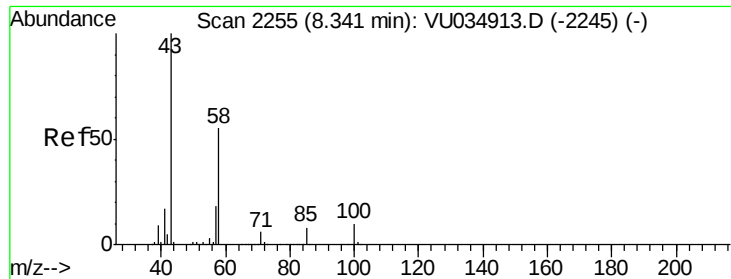
Ion 164.00 (163.70 to 164.70): VU034913.D (-2200) (-)

Ion 129.00 (128.70 to 129.70): VU034913.D (-2200) (-)

Ion 131.00 (130.70 to 131.70): VU034913.D (-2200) (-)

Ion 166.00 (165.70 to 166.70): VU034913.D (-2200) (-)

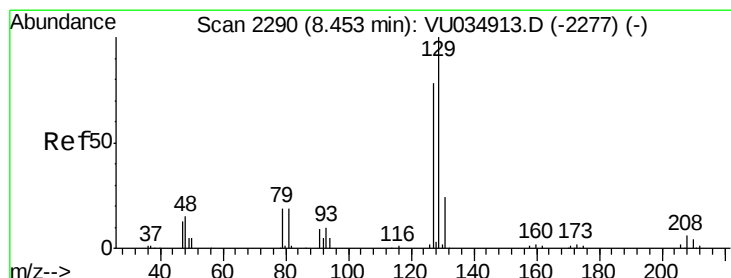
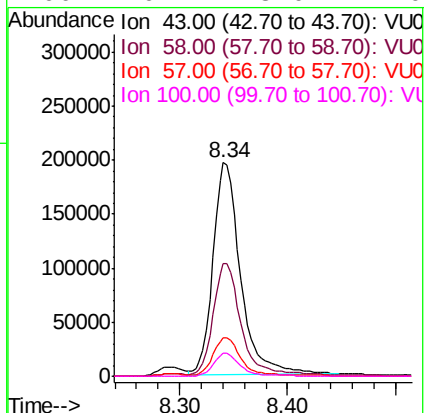
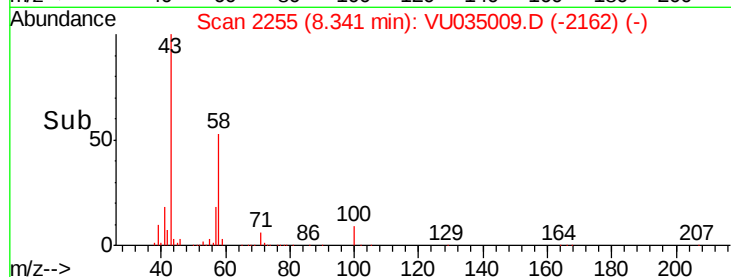
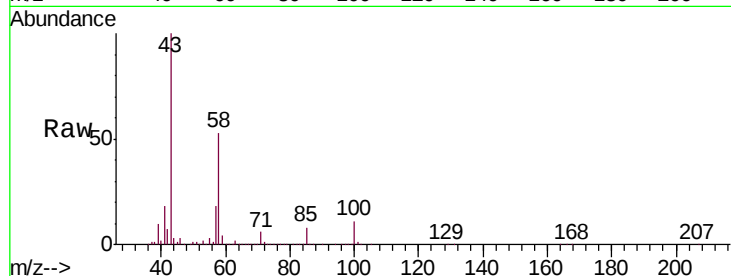




#48
2-Hexanone
Concen: 96.667 ug/L
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

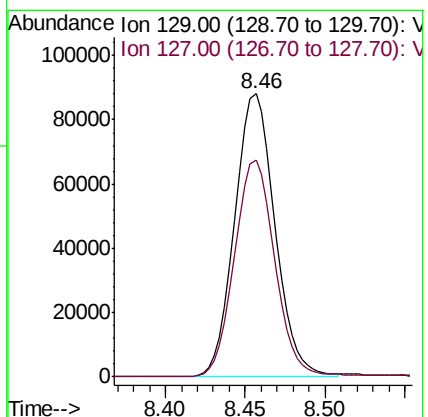
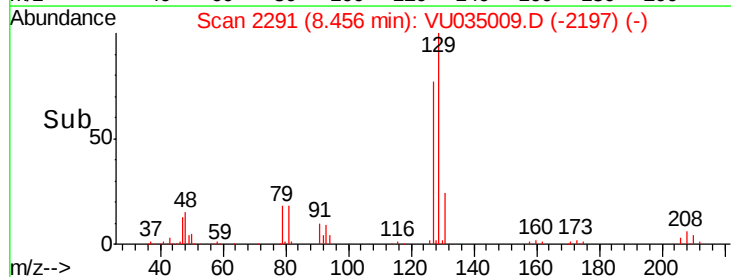
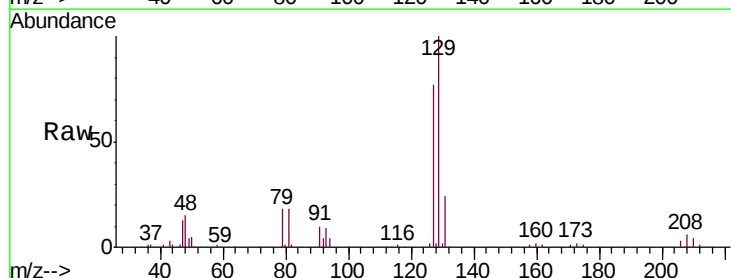
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

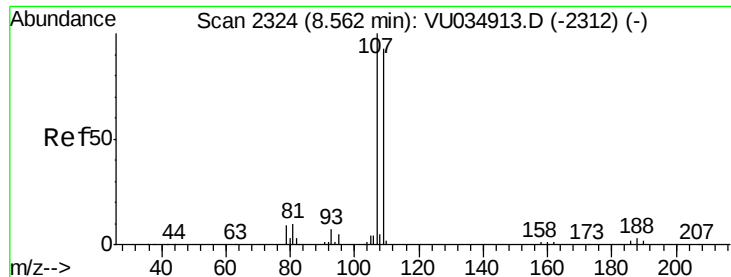
Tgt Ion: 43 Resp: 346783
Ion Ratio Lower Upper
43 100
58 53.4 40.8 61.2
57 17.4 14.0 21.0
100 10.4 8.0 12.0



#49
Dibromochloromethane
Concen: 52.381 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

Tgt Ion: 129 Resp: 151533
Ion Ratio Lower Upper
129 100
127 76.7 54.3 100.9

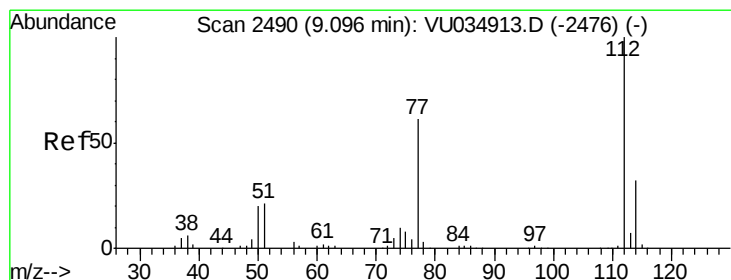
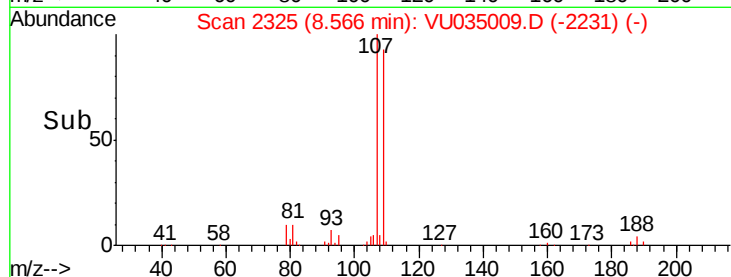
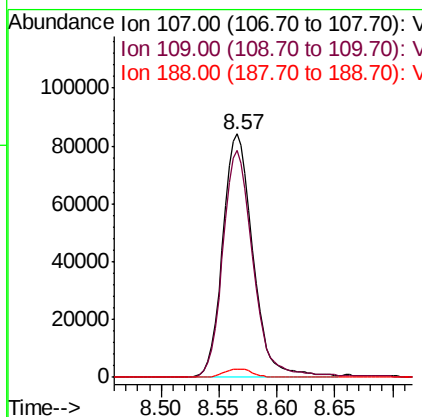
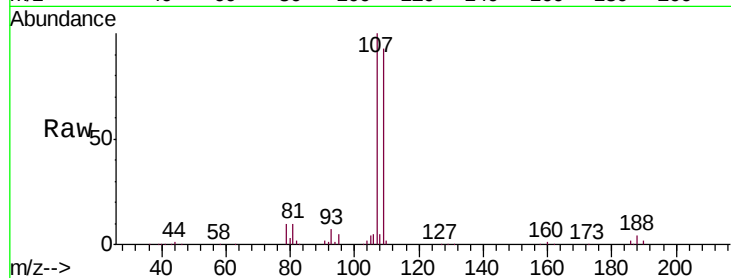




#50
1,2-Dibromoethane
Concen: 52.786 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

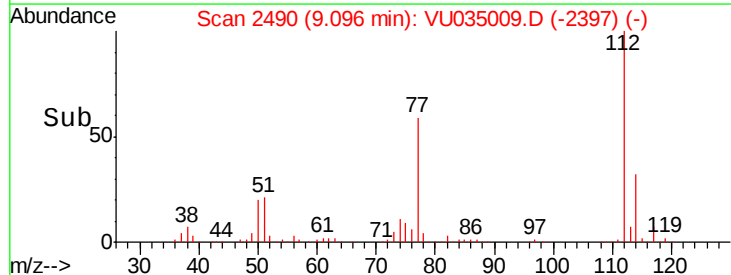
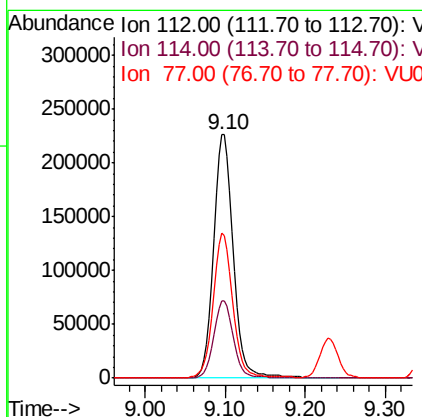
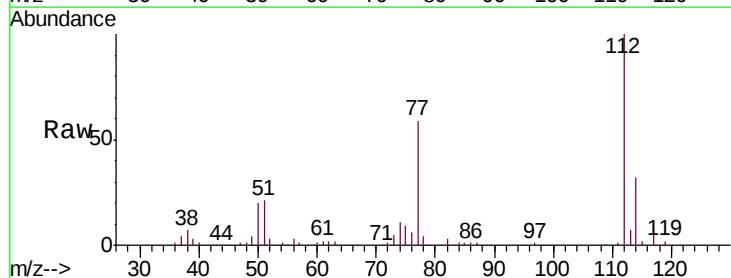
Instrument :
MSVOA_U
ClientSampled :
VSTD05053

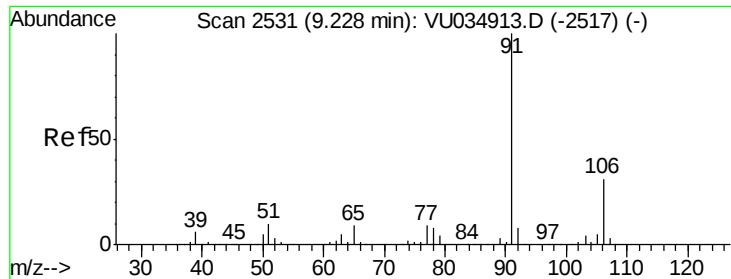
Tgt Ion:107 Resp: 151607
Ion Ratio Lower Upper
107 100
109 93.1 65.2 121.0
188 3.5 2.6 4.0



#51
Chlorobenzene
Concen: 51.844 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

Tgt Ion:112 Resp: 387952
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.3
77 59.4 48.7 73.1

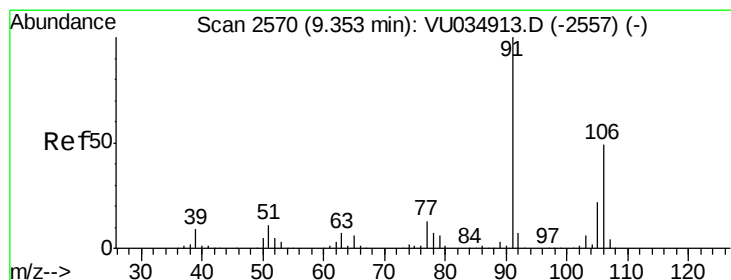
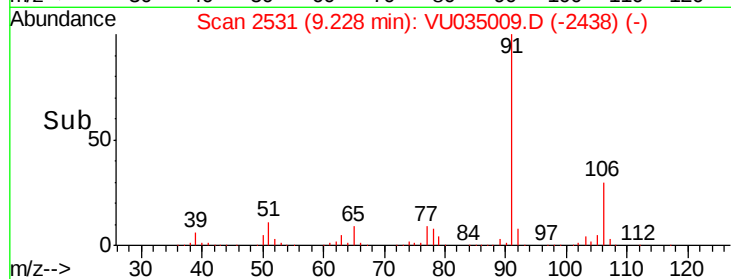
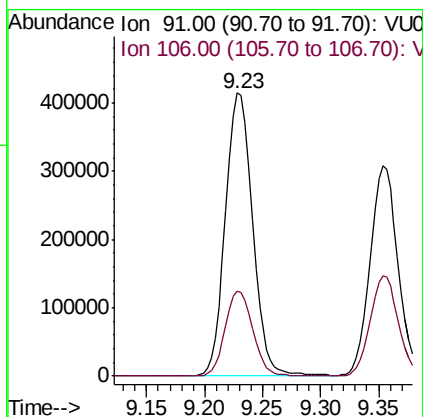
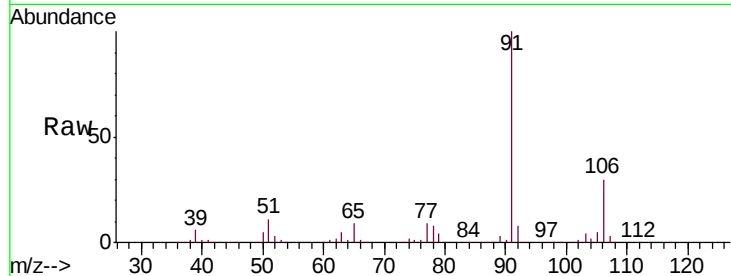




#52
Ethylbenzene
Concen: 51.904 ug/L
RT: 9.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

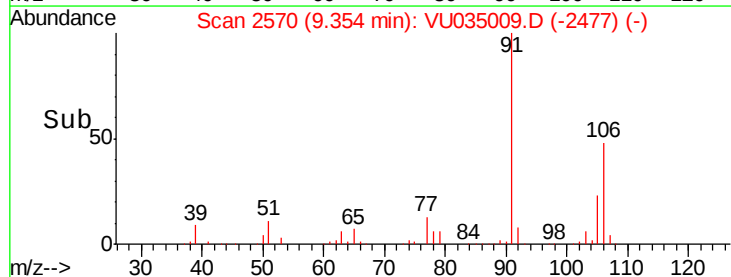
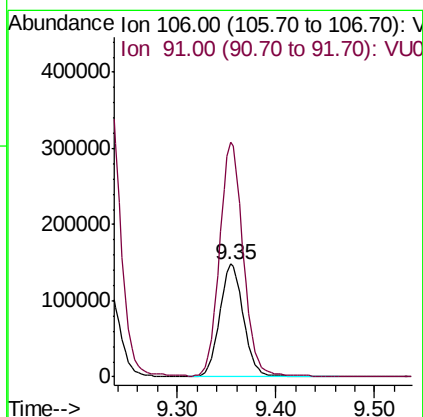
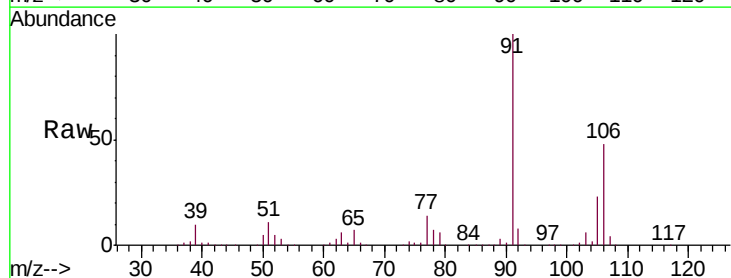
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

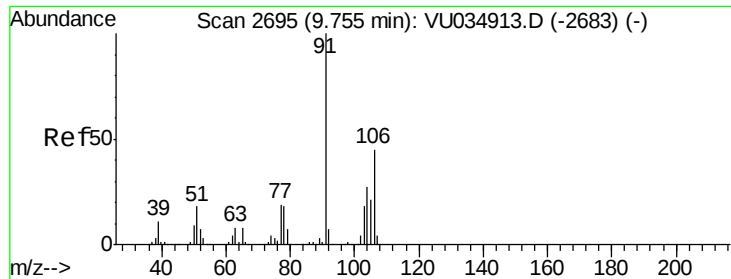
Tgt Ion: 91 Resp: 675290
Ion Ratio Lower Upper
91 100
106 30.2 21.6 40.2



#53
m,p-Xylene
Concen: 52.451 ug/L
RT: 9.35 min Scan# 2570
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

Tgt Ion: 106 Resp: 252735
Ion Ratio Lower Upper
106 100
91 209.0 144.5 268.3

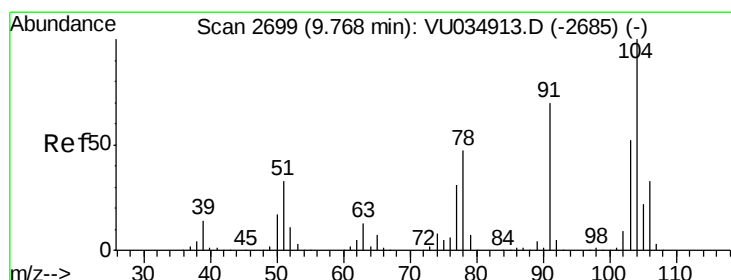
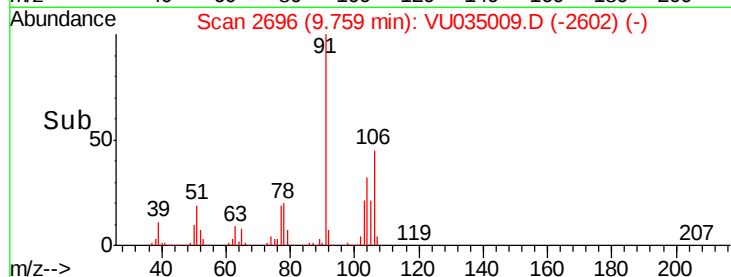
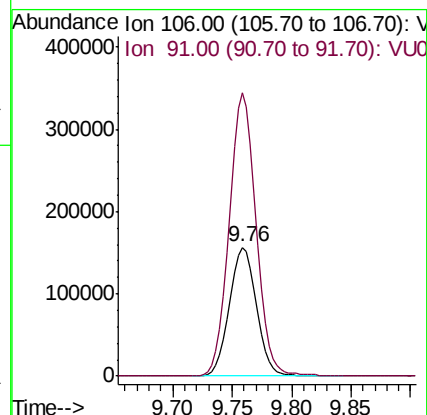
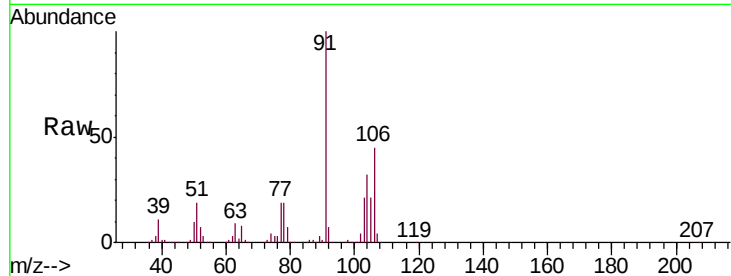




#54
o-xylene
Concen: 52.352 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

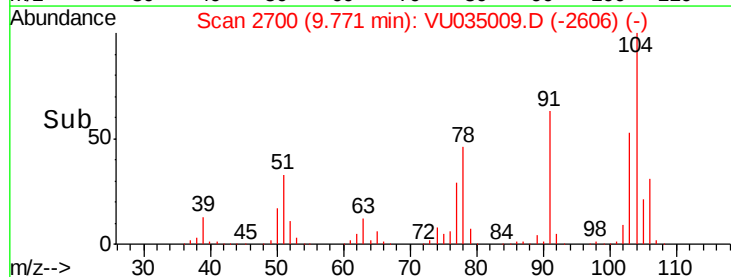
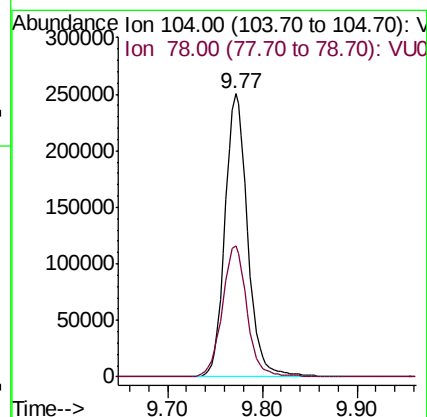
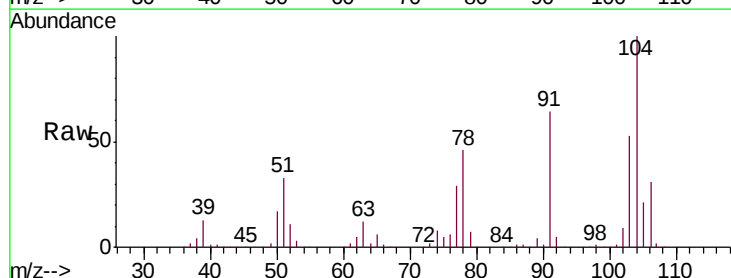
Instrument :
MSVOA_U
ClientSampleId :
VSTD05053

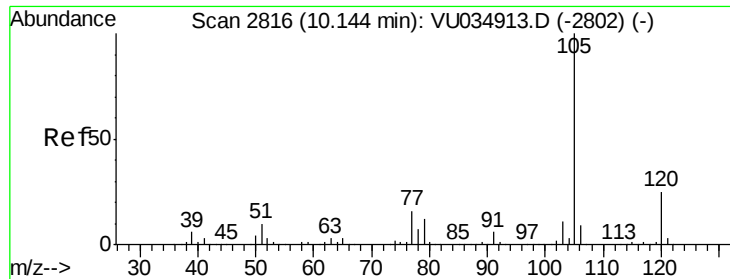
Tgt Ion:106 Resp: 248086
Ion Ratio Lower Upper
106 100
91 219.9 154.1 286.3



#55
Styrene
Concen: 52.523 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU035009.D
Acq: 09 Oct 2019 15:53

Tgt Ion:104 Resp: 417437
Ion Ratio Lower Upper
104 100
78 46.2 33.0 61.4





#56

Isopropylbenzene

Concen: 51.727 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

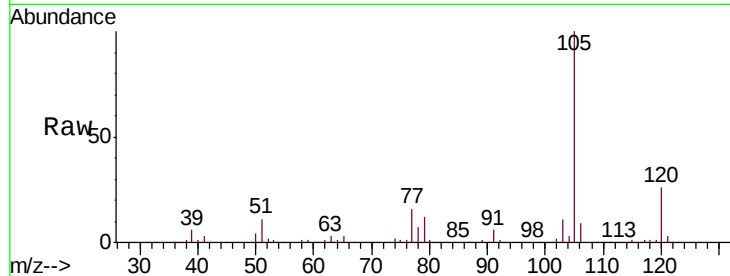
Tgt Ion: 105 Resp: 645270

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

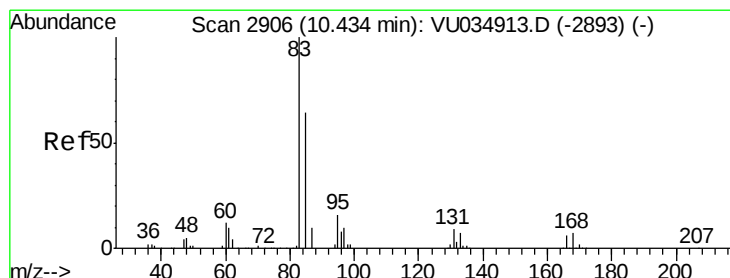
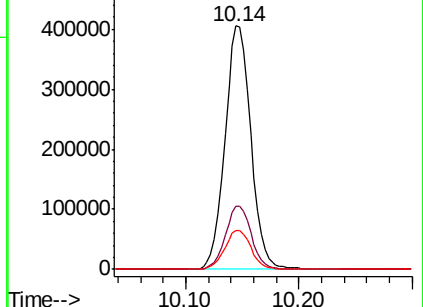
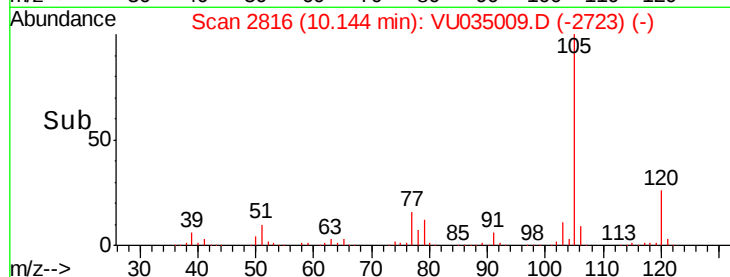
77 16.3 12.8 19.2



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: 51.797 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

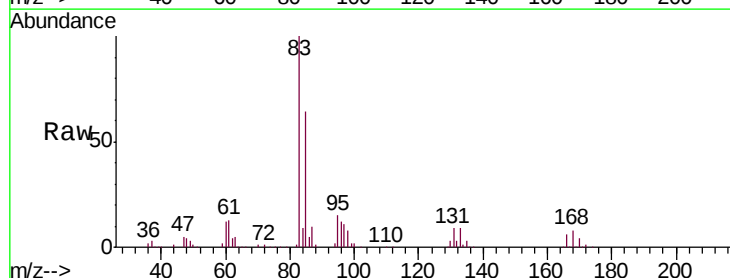
Tgt Ion: 83 Resp: 252539

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.9

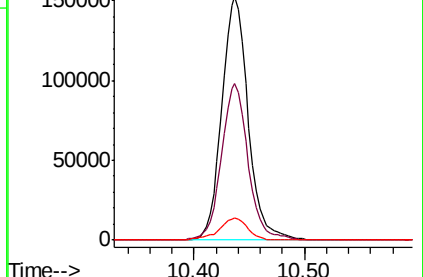
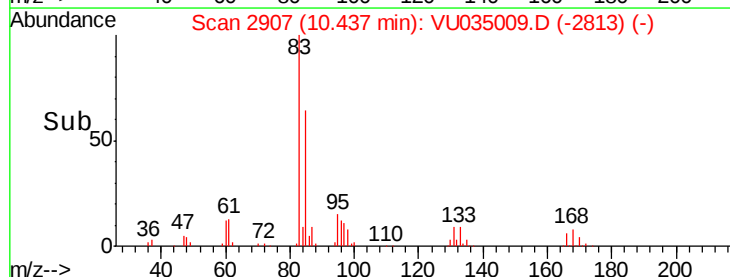
131 9.2 7.4 11.2

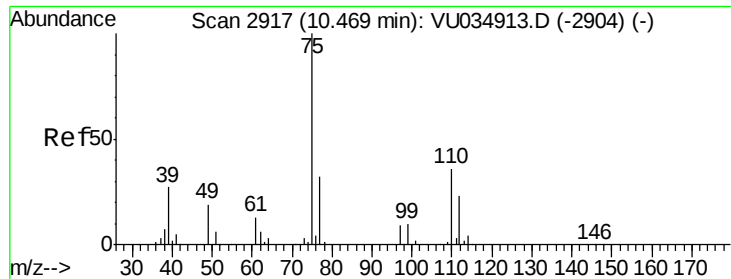


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

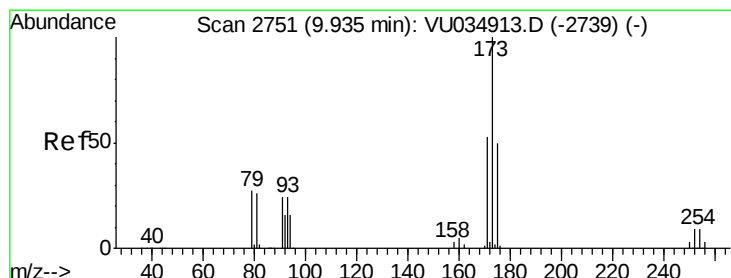
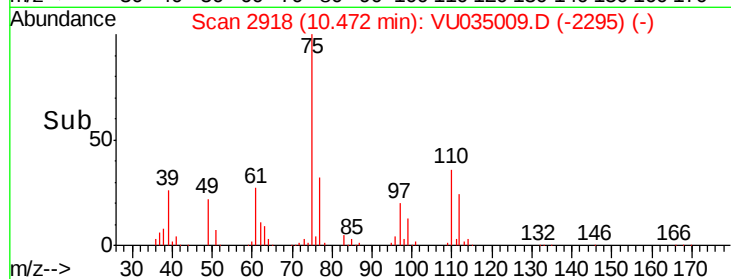
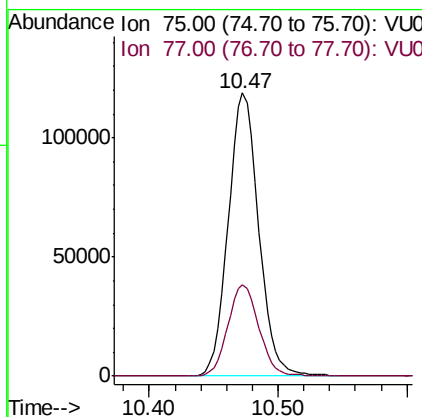
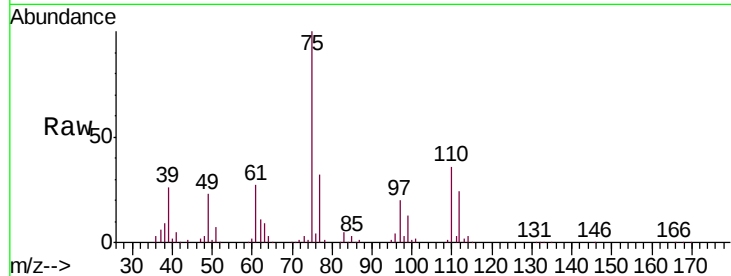




#59
 1,2,3-Trichloropropane
 Concen: 49.602 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

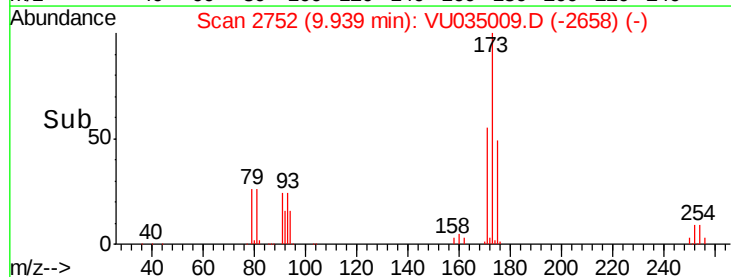
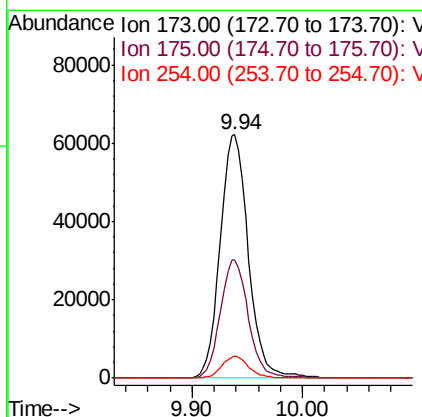
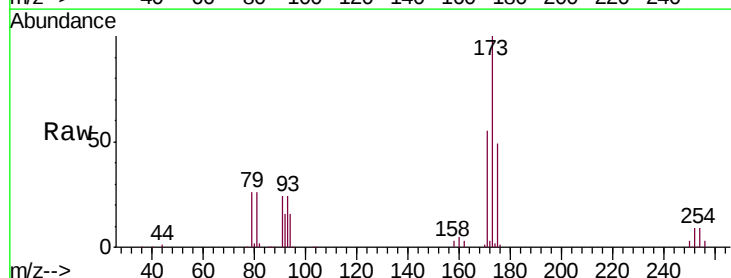
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

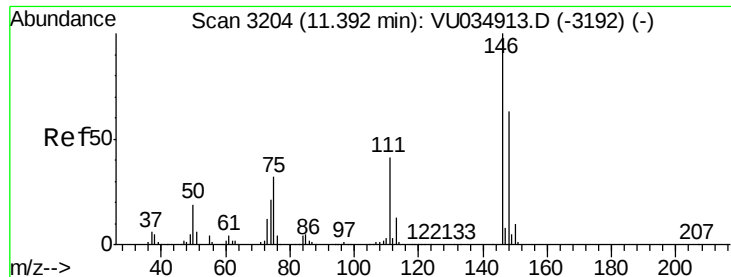
Tgt Ion: 75 Resp: 194869
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.7 38.5



#61
 Bromoform
 Concen: 51.197 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Tgt Ion: 173 Resp: 110146
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.6 57.8
 254 8.5 6.9 10.3





#62

1,3-Dichlorobenzene

Concen: 51.879 ug/L

RT: 11.40 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

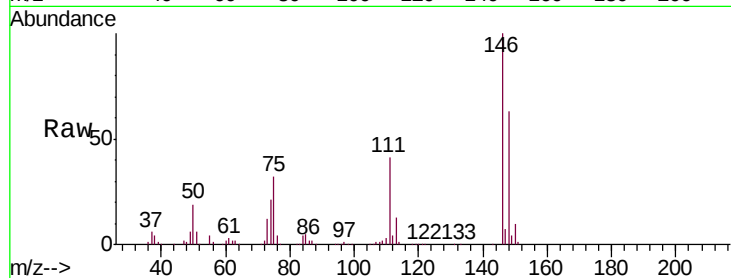
Tgt Ion:146 Resp: 286404

Ion Ratio Lower Upper

146 100

111 40.6 28.8 53.6

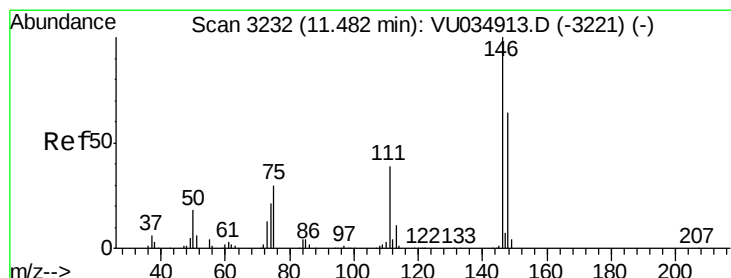
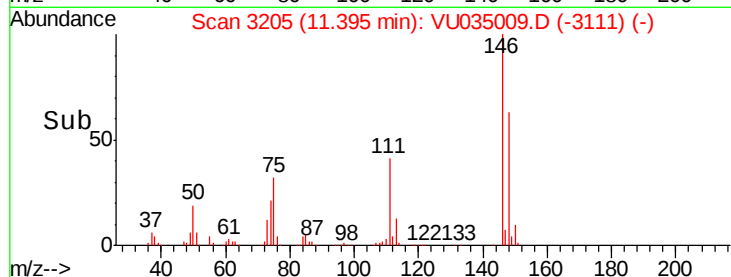
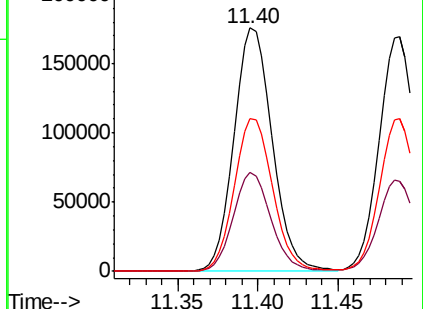
148 62.9 44.4 82.5



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: 50.912 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.01 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

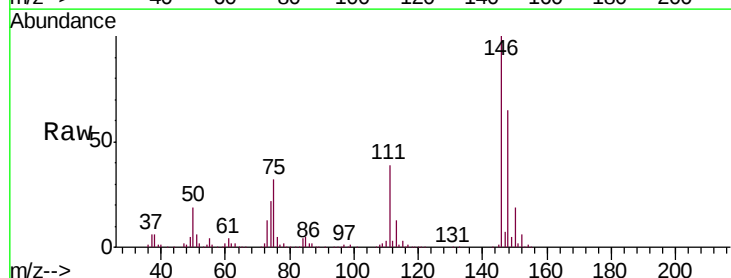
Tgt Ion:146 Resp: 280937

Ion Ratio Lower Upper

146 100

111 38.7 27.3 50.7

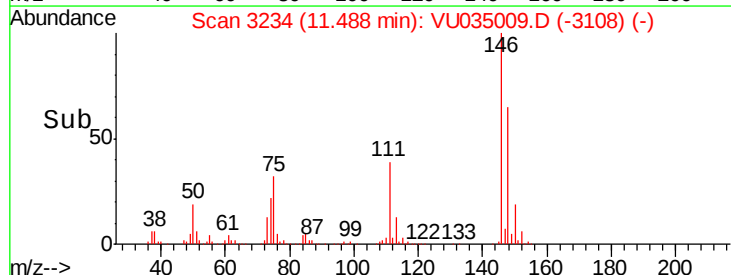
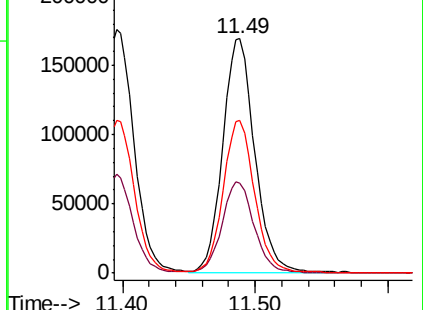
148 65.2 44.5 82.7

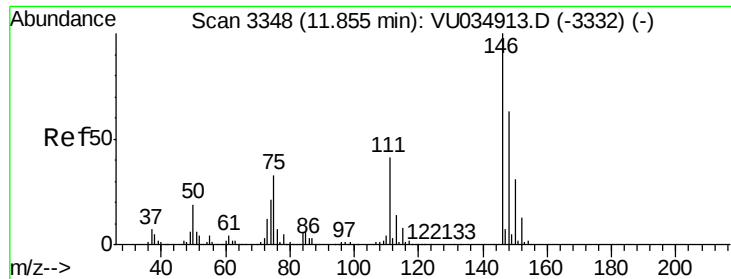


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

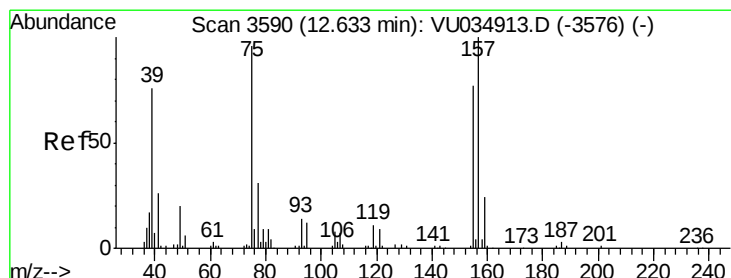
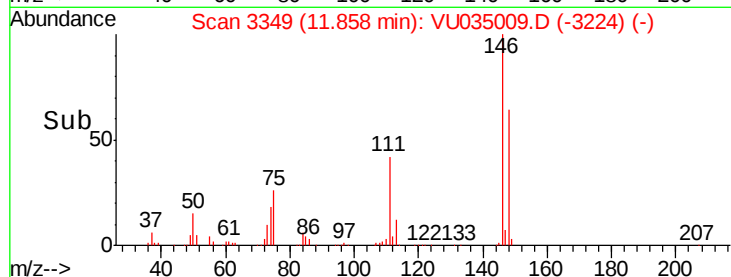
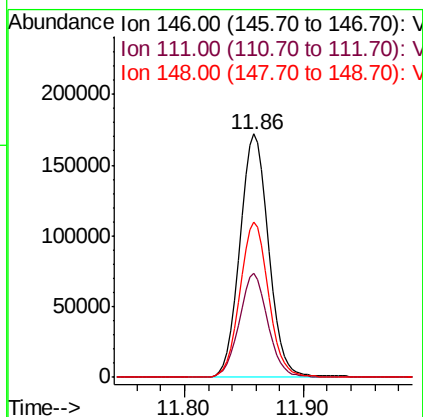
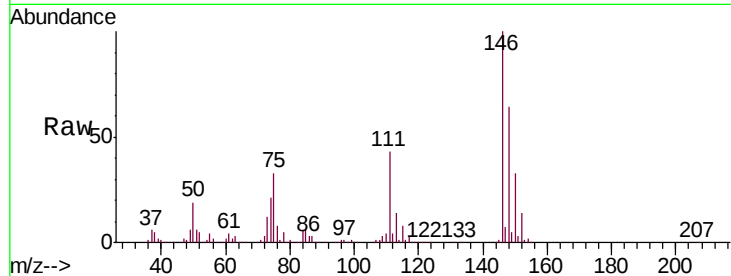




#65
 1,2-Dichlorobenzene
 Concen: 52.035 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

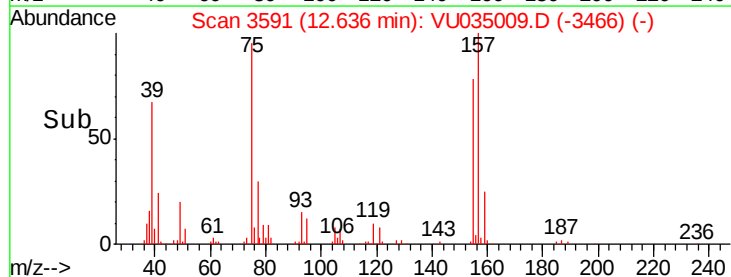
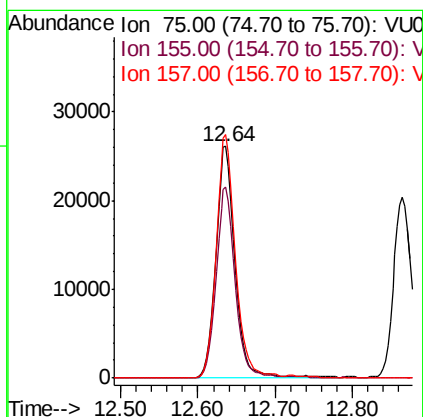
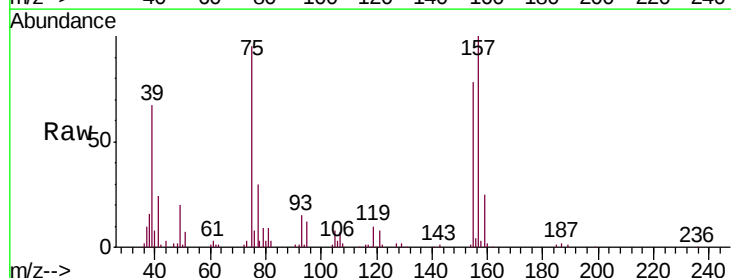
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

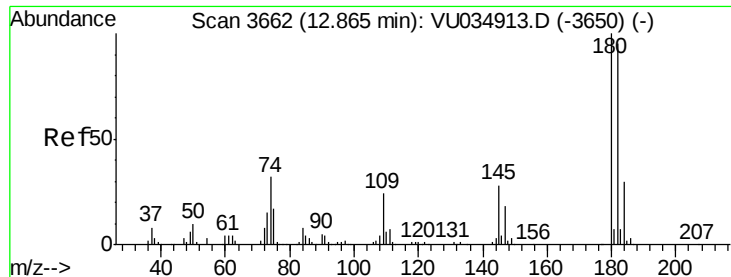
Tgt Ion: 146 Resp: 288252
 Ion Ratio Lower Upper
 146 100
 111 42.8 33.0 49.4
 148 63.9 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.797 ug/L
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Tgt Ion: 75 Resp: 46182
 Ion Ratio Lower Upper
 75 100
 155 82.3 64.2 96.2
 157 105.1 83.0 124.4

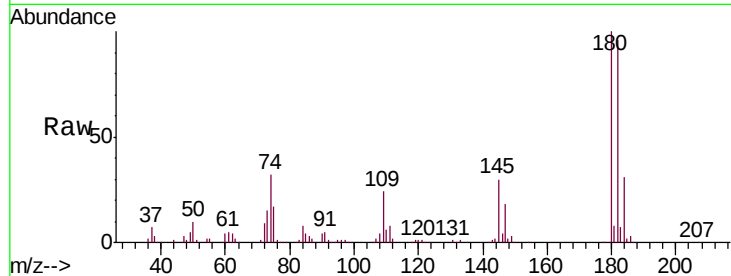




#67
 1,3,5-Trichlorobenzene
 Concen: 51.686 ug/L
 RT: 12.86 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.6	115.0
184	30.6	24.1	36.1
145	28.3	22.4	33.6



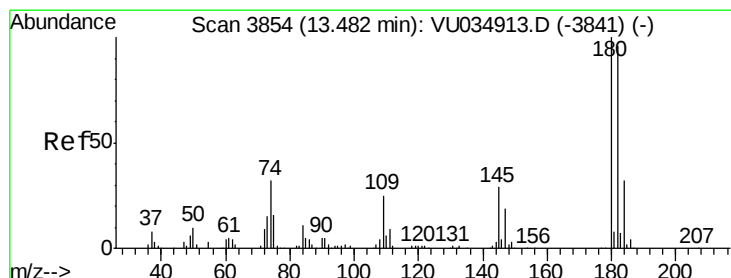
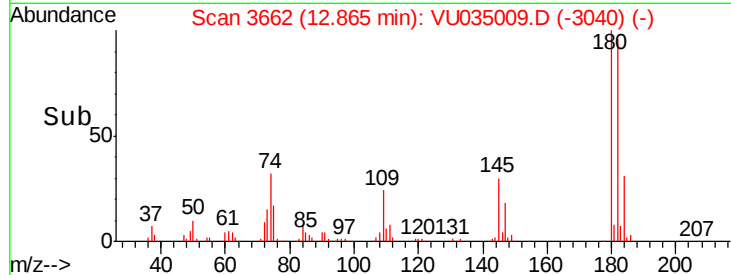
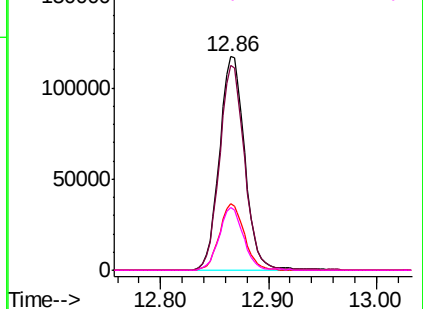
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

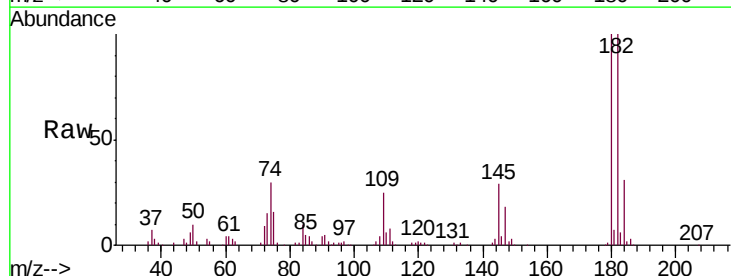
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.449 ug/L
 RT: 13.48 min Scan# 3854
 Delta R.T. 0.00 min
 Lab File: VU035009.D
 Acq: 09 Oct 2019 15:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	76.5	114.7
145	29.1	22.6	33.8

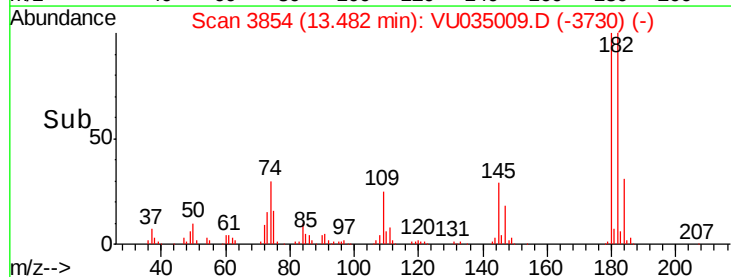
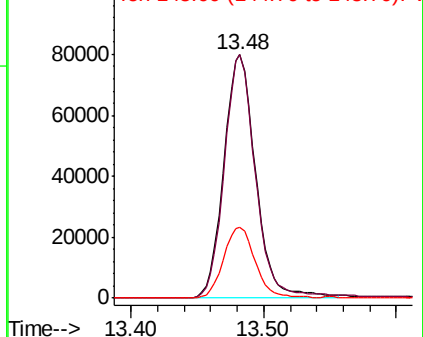


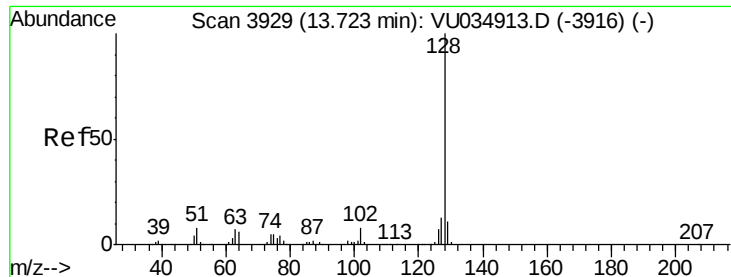
Abundance

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: 39.455 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD05053

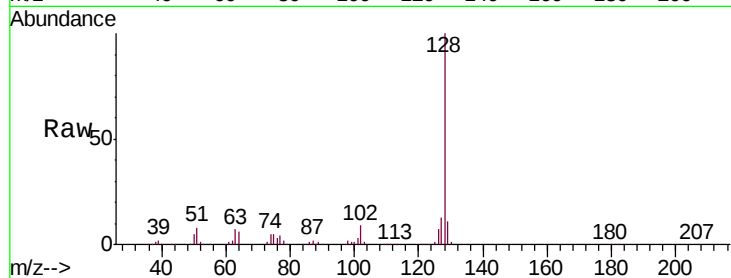
Tgt Ion:128 Resp: 336938

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.2

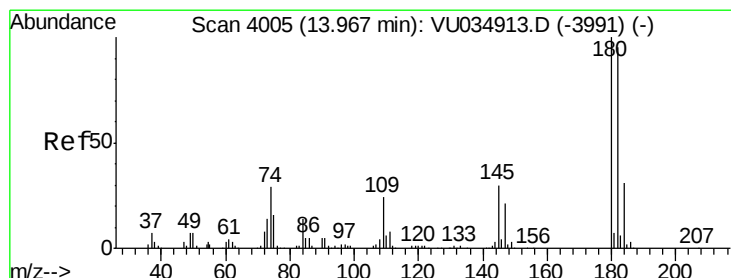
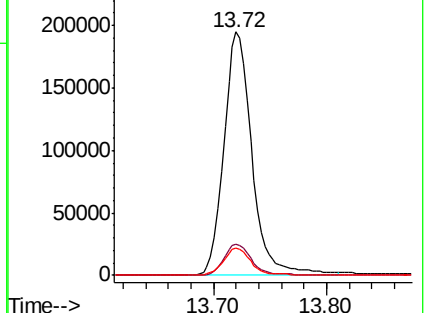
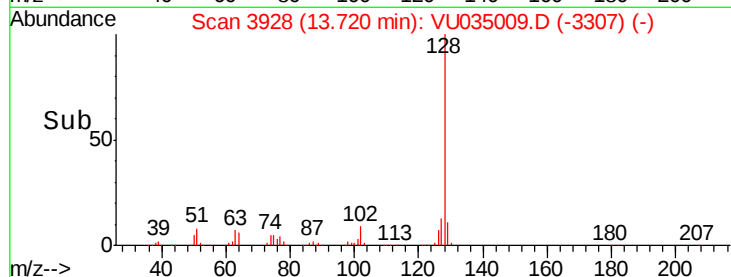
129 10.9 8.4 12.6



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: 47.697 ug/L

RT: 13.96 min Scan# 4004

Delta R.T. -0.00 min

Lab File: VU035009.D

Acq: 09 Oct 2019 15:53

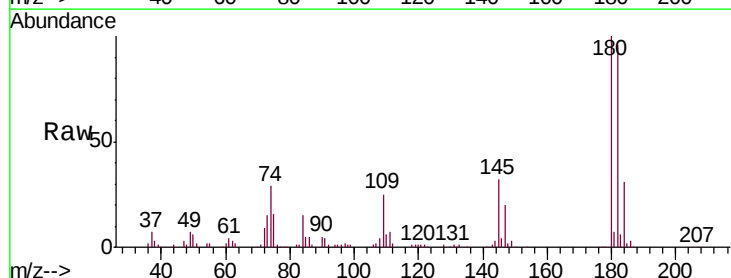
Tgt Ion:180 Resp: 141669

Ion Ratio Lower Upper

180 100

182 94.9 77.2 115.8

145 31.4 24.5 36.7



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

