

Data File : VU036987.D
Acq On : 28 Feb 2020 20:48
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Feb 29 00:37:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 29 00:30:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	258245	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	249995	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	110551	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	87609	40.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.80%
7) Chloroethane-d5	1.93	69	80394	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.59	63	159621	43.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.90%
21) 2-Butanone-d5	4.67	46	150803	103.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.67%
24) Chloroform-d	5.11	84	161494	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
26) 1,2-Dichloroethane-d4	5.74	65	107378	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
32) Benzene-d6	5.76	84	339825	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
36) 1,2-Dichloropropane-d6	6.72	67	110918	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.72%
41) Toluene-d8	7.92	98	315038	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	8.20	79	49233	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
47) 2-Hexanone-d5	8.66	63	115342	100.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	162773	49.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.58%
64) 1,2-Dichlorobenzene-d4	12.21	152	104502	48.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	106818	48.765	ug/L 100
3) Chloromethane	1.54	50	120823	47.945	ug/L 99
5) Vinyl chloride	1.62	62	128977	49.618	ug/L 100
6) Bromomethane	1.87	94	69107	51.817	ug/L 98
8) Chloroethane	1.95	64	78535	50.402	ug/L 98
9) Trichlorofluoromethane	2.16	101	138684	50.305	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82981	50.317	ug/L 99
12) 1,1-Dichloroethene	2.61	96	81681	48.969	ug/L 84
13) Acetone	2.66	43	111494	74.513	ug/L 98
14) Carbon disulfide	2.82	76	246674	46.741	ug/L 100
15) Methyl Acetate	2.98	43	116701	51.169	ug/L 100
16) Methylene chloride	3.08	84	101813	50.044	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	87803	49.001	ug/L 97
18) Methyl tert-butyl Ether	3.40	73	287249	49.317	ug/L 99
19) 1,1-Dichloroethane	3.91	63	173730	49.897	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	99909	49.866	ug/L 98
22) 2-Butanone	4.75	43	170447	94.464	ug/L 98

Data File : VU036987.D
Acq On : 28 Feb 2020 20:48
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Feb 29 00:37:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 29 00:30:49 2020
Response via : Initial Calibration

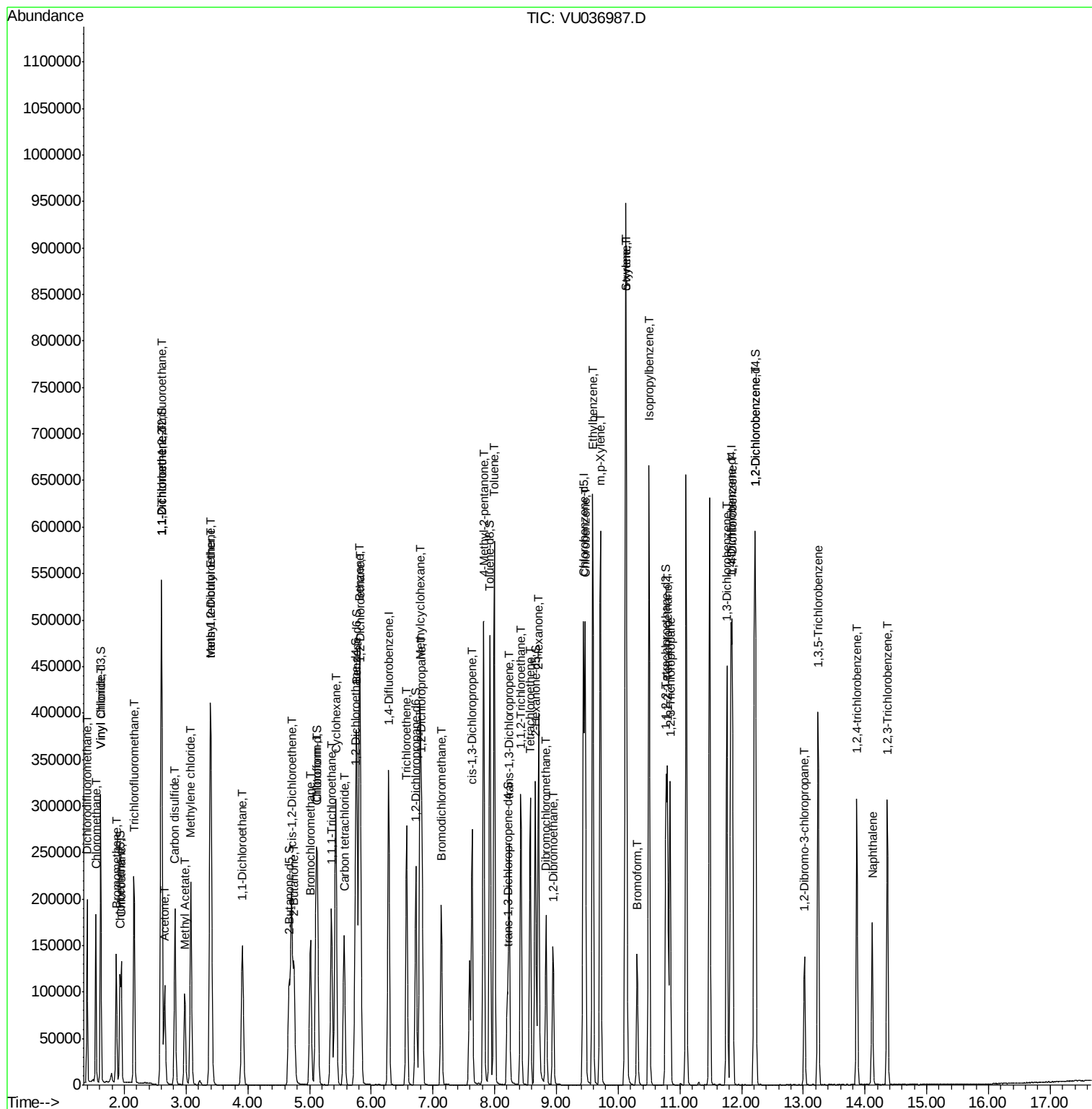
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	45385	50.019	ug/L	96
25) Chloroform	5.13	83	170246	50.677	ug/L	98
27) 1,2-Dichloroethane	5.83	62	135818	49.660	ug/L	99
29) Cyclohexane	5.43	56	156265	47.104	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	132653	49.491	ug/L	100
31) Carbon tetrachloride	5.56	117	102694	48.882	ug/L	99
33) Benzene	5.81	78	389328	49.296	ug/L	100
34) Trichloroethene	6.57	95	95267	49.078	ug/L	99
35) Methylcyclohexane	6.79	83	159924	47.518	ug/L	99
37) 1,2-Dichloropropane	6.82	63	105356	49.544	ug/L	99
38) Bromodichloromethane	7.13	83	121943	48.581	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	157535	48.092	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	315566	100.710	ug/L	100
42) Toluene	7.99	91	417522	49.622	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	134346	47.279	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	93561	49.477	ug/L	99
46) Tetrachloroethene	8.57	164	61722	48.267	ug/L	99
48) 2-Hexanone	8.71	43	243406	97.344	ug/L	100
49) Dibromochloromethane	8.83	129	87433	48.712	ug/L	99
50) 1,2-Dibromoethane	8.95	107	97853	49.484	ug/L	99
51) Chlorobenzene	9.47	112	240789	48.297	ug/L	100
52) Ethylbenzene	9.59	91	443571	48.630	ug/L	99
53) m,p-Xylene	9.71	106	164626	49.203	ug/L	99
54) o-xylene	10.12	106	161198	48.305	ug/L	99
55) Styrene	10.13	104	266516	48.855	ug/L	100
56) Isopropylbenzene	10.50	105	418656	48.845	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	167600	49.576	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	137263	50.177	ug/L	99
61) Bromoform	10.31	173	59477	47.586	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	170930	47.662	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	169343	47.794	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	173379	48.419	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	35699	50.253	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	112754	49.533	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	84699	49.663	ug/L	99
69) Naphthalene	14.12	128	133504	44.344	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	85800	50.344	ug/L	98

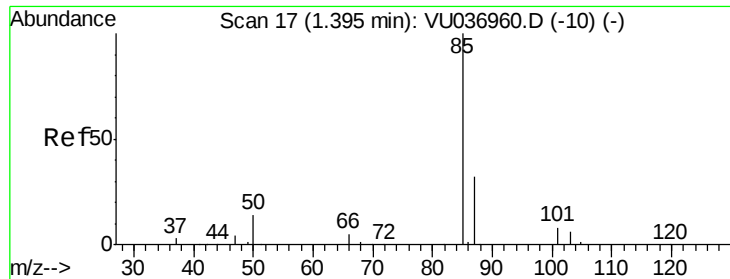
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU036987.D
Acq On : 28 Feb 2020 20:48
Operator : JC/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Quant Time: Feb 29 00:37:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 29 00:30:49 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 48.765 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

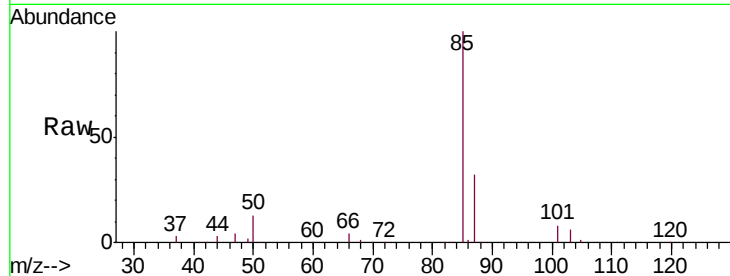
VSTD05040

Tgt Ion: 85 Resp: 106818

Ion Ratio Lower Upper

85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036960.D (-10) (-)

Ion 87.00 (86.70 to 87.70): VU036987.D (-1) (-)

1.39

120000

100000

80000

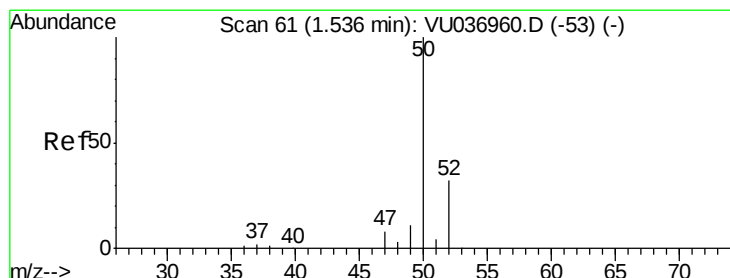
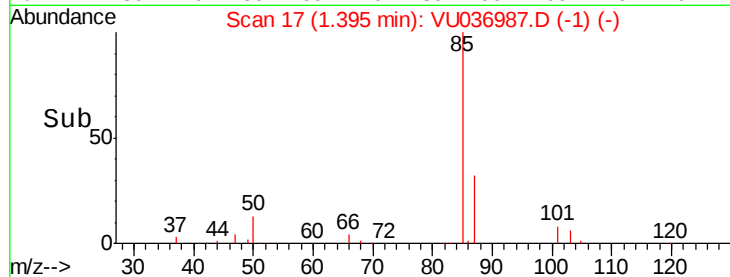
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 47.945 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036987.D

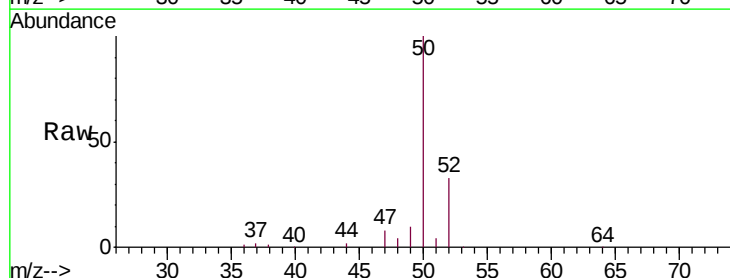
Acq: 28 Feb 2020 20:48

Tgt Ion: 50 Resp: 120823

Ion Ratio Lower Upper

50 100

52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036960.D (-53) (-)

Ion 52.00 (51.70 to 52.70): VU036987.D (-1) (-)

1.54

120000

100000

80000

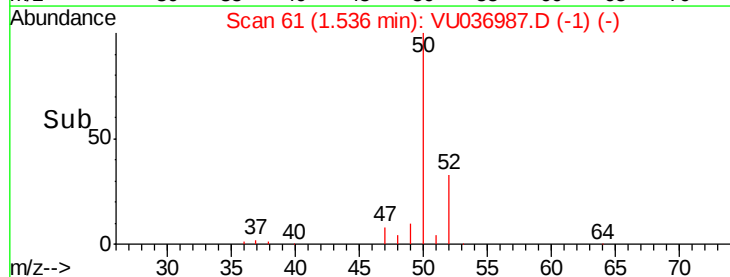
60000

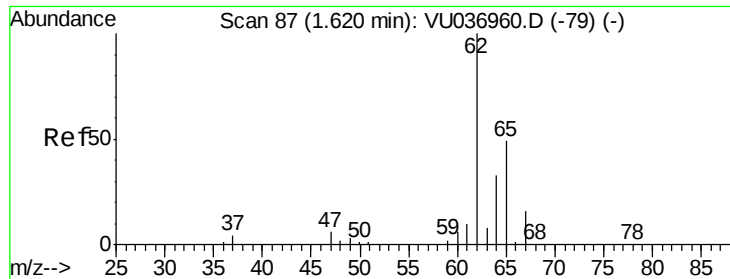
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 49.618 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

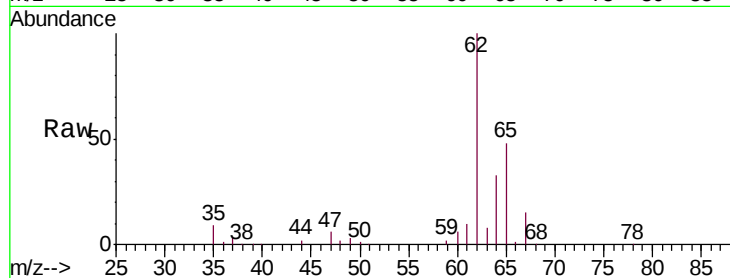
VSTD05040

Tgt Ion: 62 Resp: 128977

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036960.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU036960.D (-79) (-)

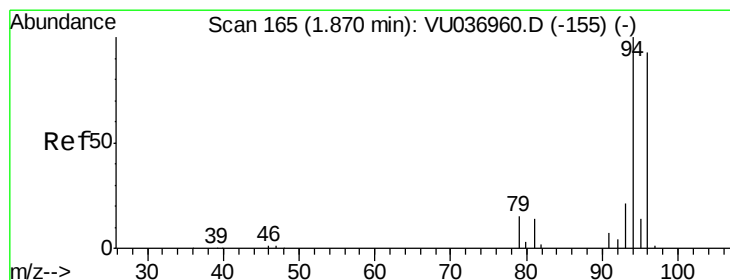
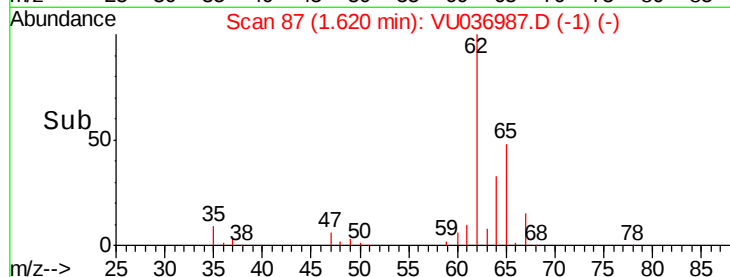
1.62

100000

50000

0

Time-->



#6

Bromomethane

Concen: 51.817 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036987.D

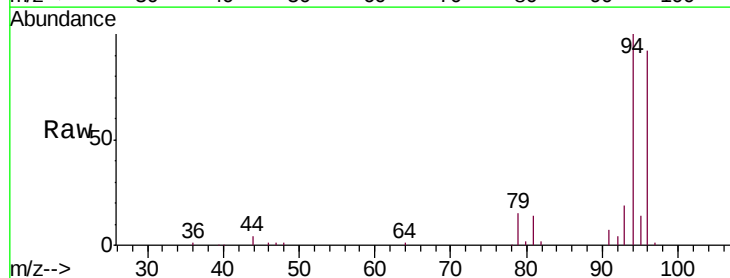
Acq: 28 Feb 2020 20:48

Tgt Ion: 94 Resp: 69107

Ion Ratio Lower Upper

94 100

96 92.4 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036960.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036960.D (-155) (-)

1.87

60000

50000

40000

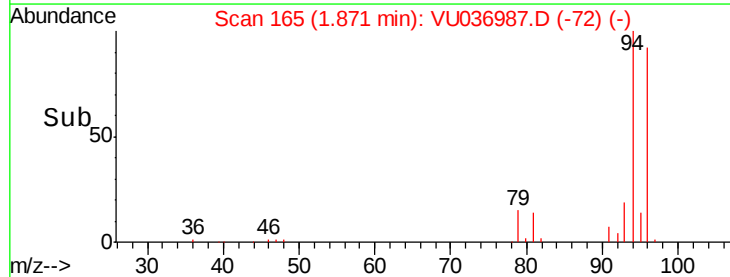
30000

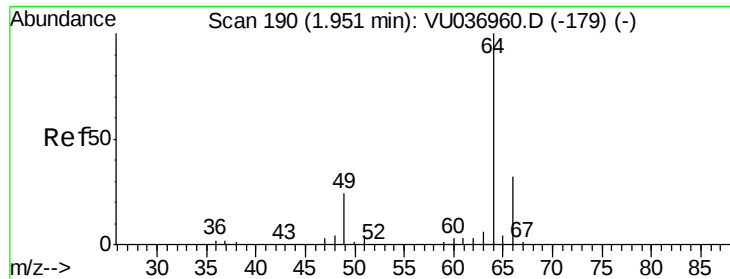
20000

10000

0

Time-->

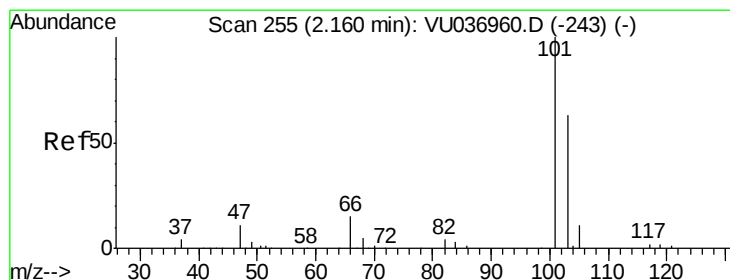
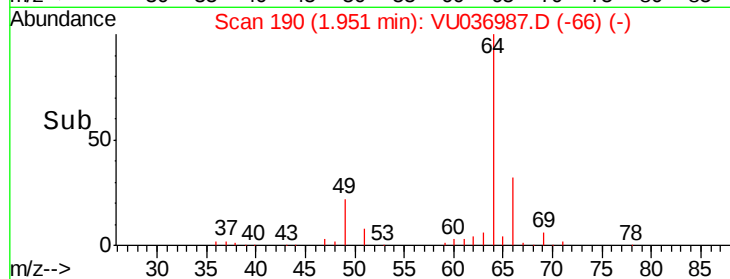
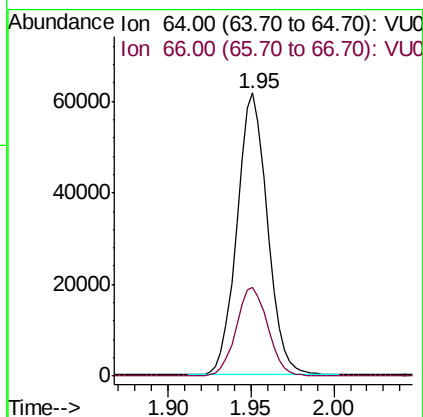
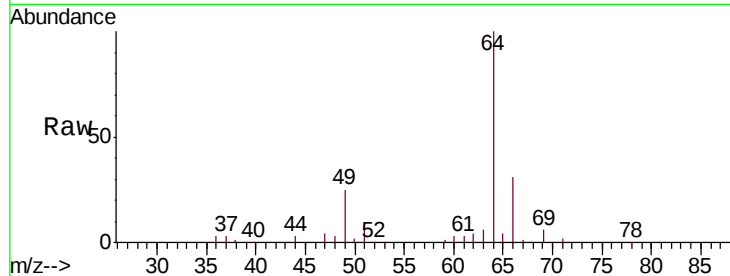




#8
 Chloroethane
 Concen: 50.402 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

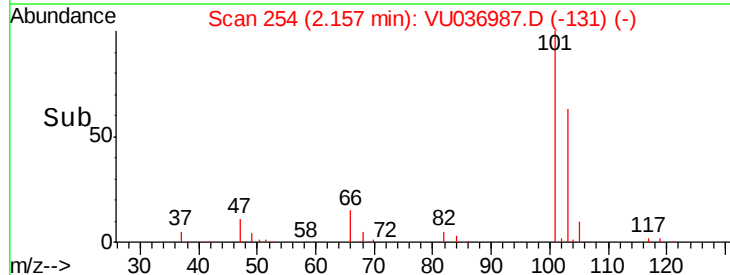
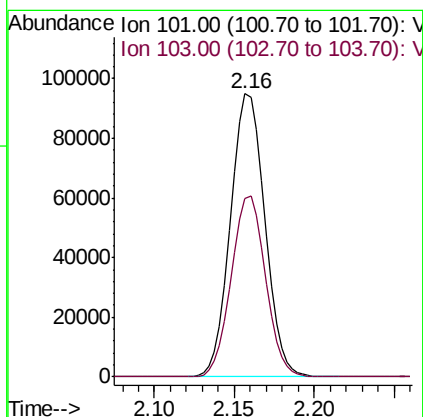
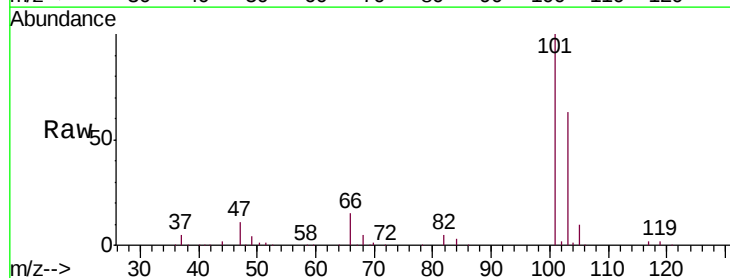
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

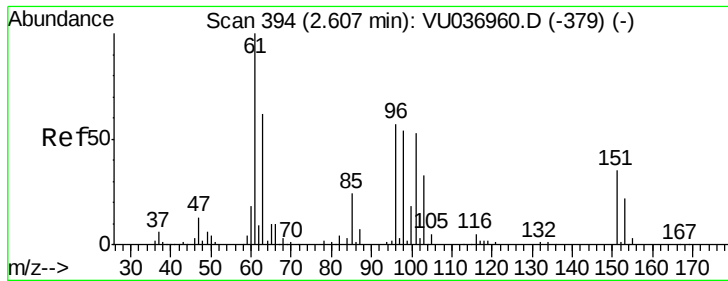
Tgt Ion: 64 Resp: 78535
 Ion Ratio Lower Upper
 64 100
 66 31.3 22.5 41.9



#9
 Trichlorofluoromethane
 Concen: 50.305 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. -0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

Tgt Ion: 101 Resp: 138684
 Ion Ratio Lower Upper
 101 100
 103 63.7 50.9 76.3





#10

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

Concen: 50.317 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

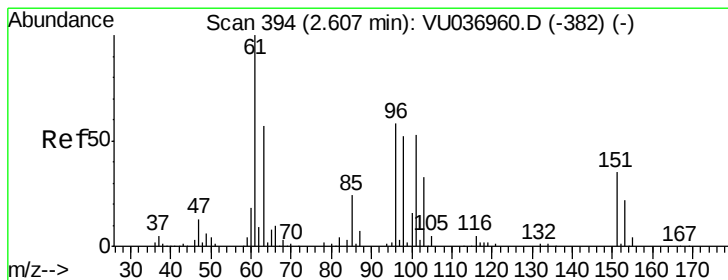
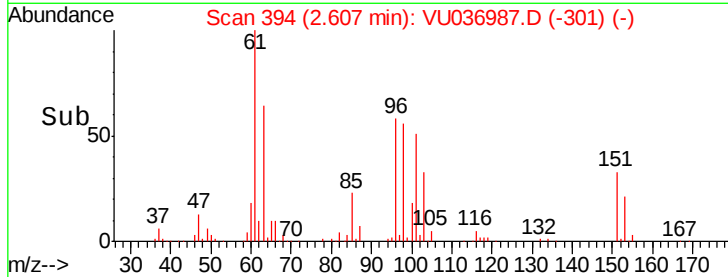
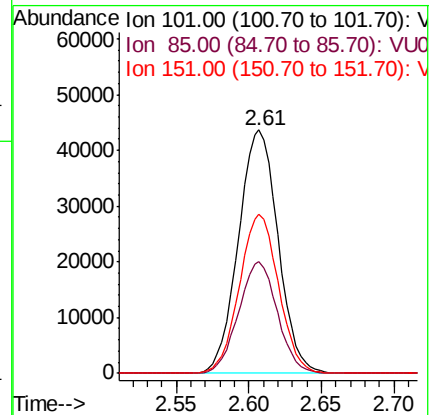
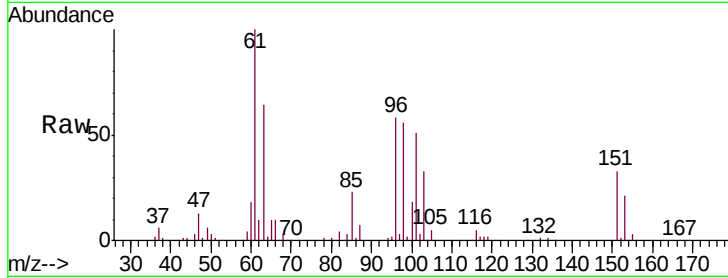
Tgt Ion: 101 Resp: 82981

Ion Ratio Lower Upper

101 100

85 44.7 36.4 54.6

151 64.5 52.4 78.6



#12

1,1-Dichloroethene

Concen: 48.969 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

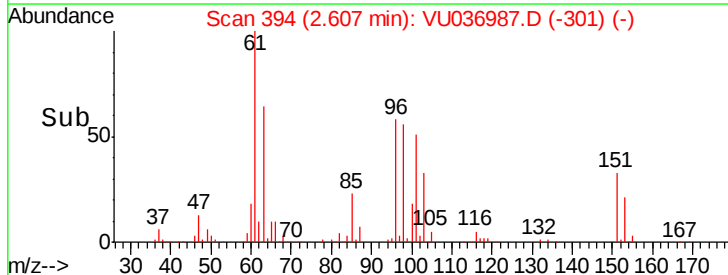
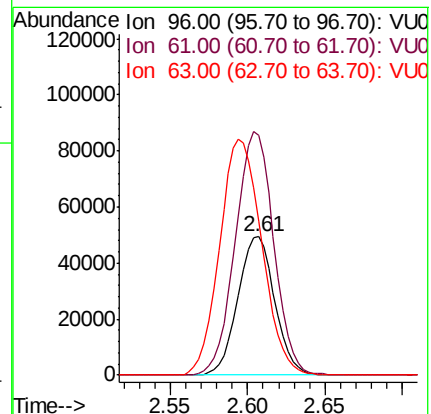
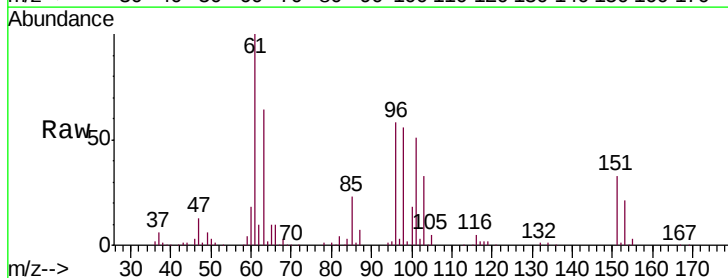
Tgt Ion: 96 Resp: 81681

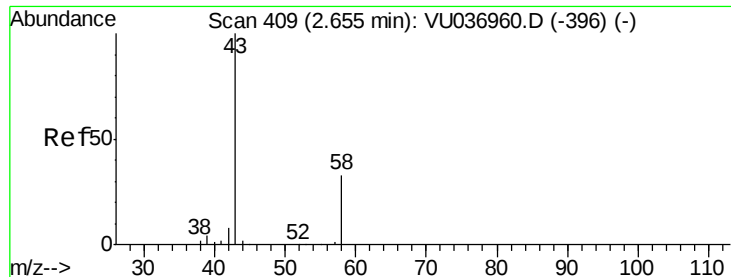
Ion Ratio Lower Upper

96 100

61 172.8 127.5 236.7

63 110.8 101.4 188.2





#13

Acetone

Concen: 74.513 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

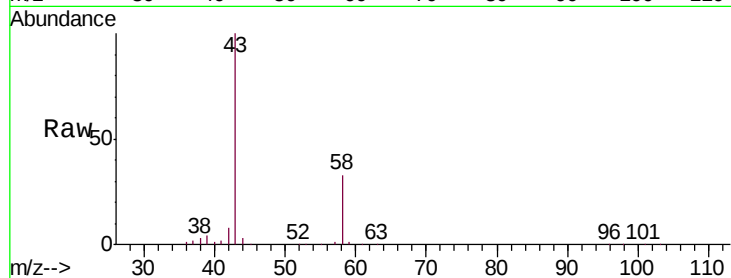
VSTD05040

Tgt Ion: 43 Resp: 111494

Ion Ratio Lower Upper

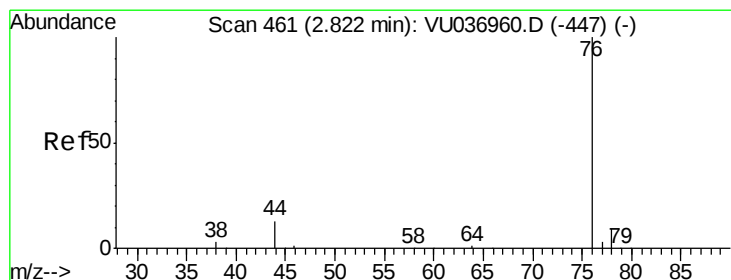
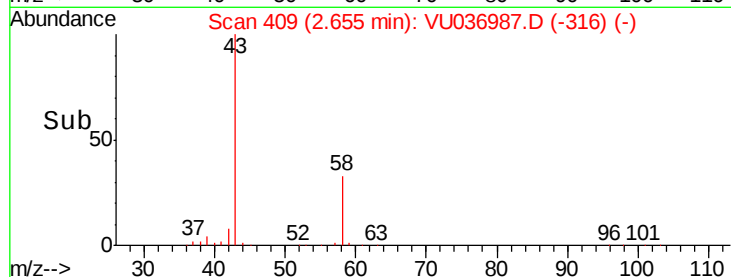
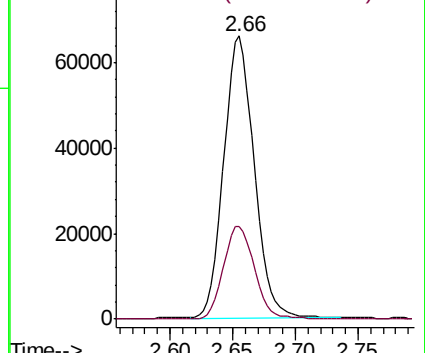
43 100

58 33.5 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU036987.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU036987.D (-316) (-)



#14

Carbon disulfide

Concen: 46.741 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU036987.D

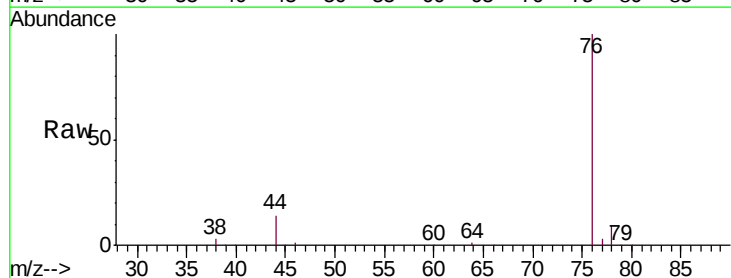
Acq: 28 Feb 2020 20:48

Tgt Ion: 76 Resp: 246674

Ion Ratio Lower Upper

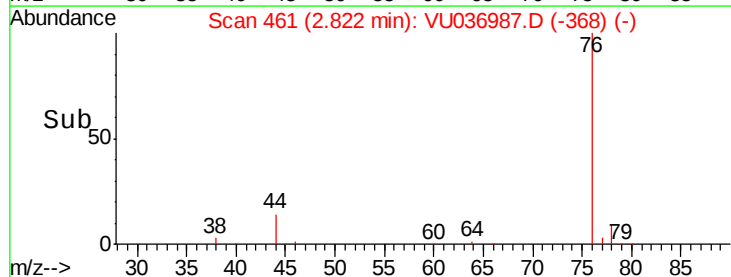
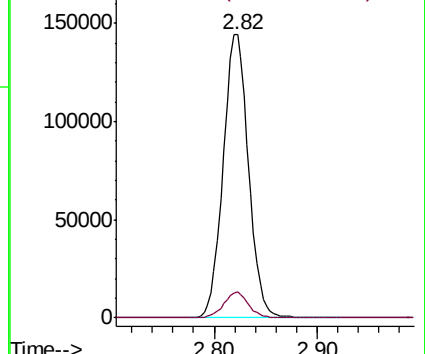
76 100

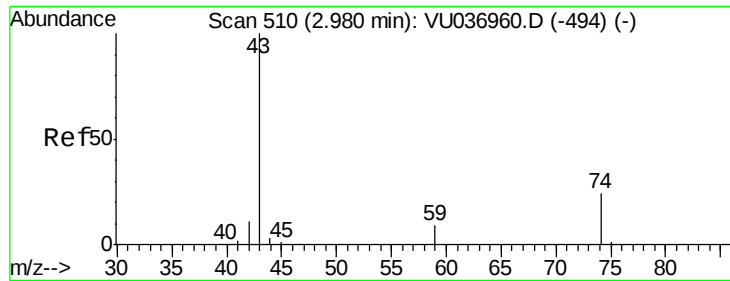
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU036987.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036987.D (-368) (-)

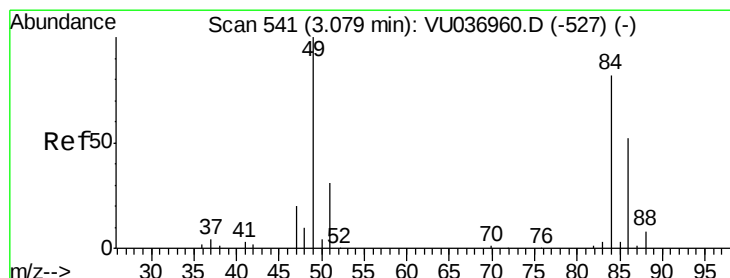
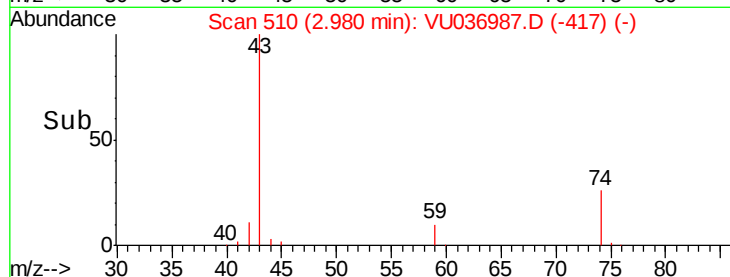
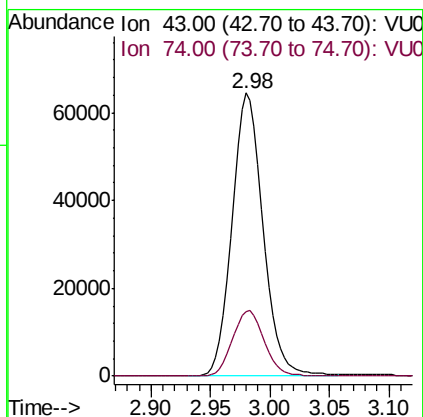
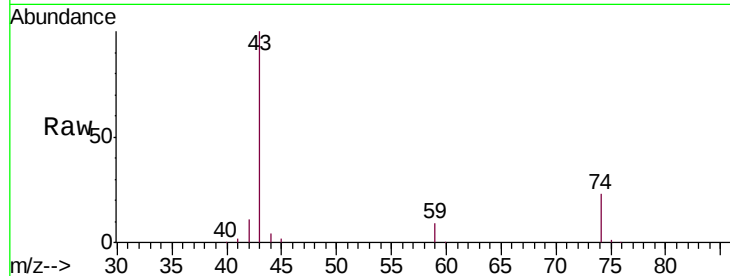




#15
Methyl Acetate
Concen: 51.169 ug/L
RT: 2.98 min Scan# 510
Delta R.T. 0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

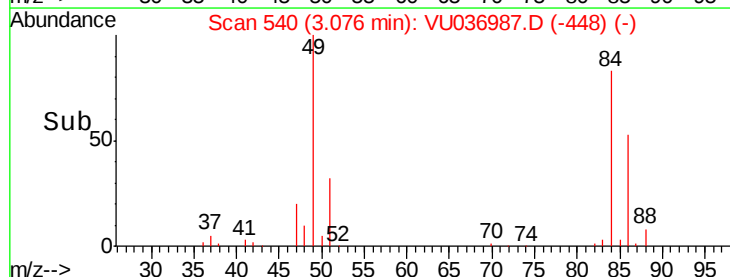
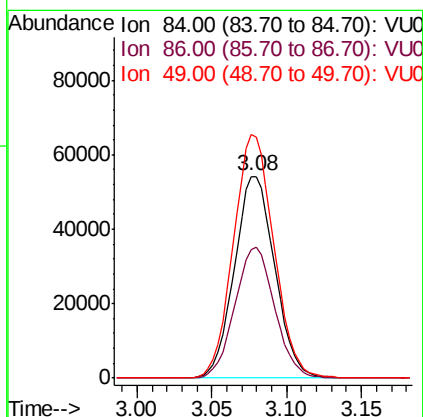
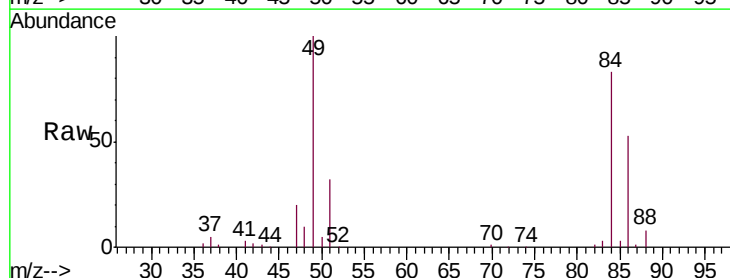
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

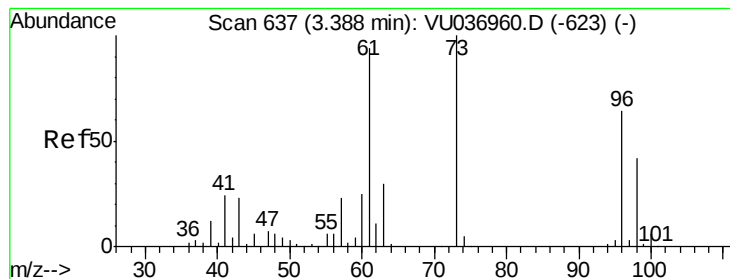
Tgt Ion: 43 Resp: 116701
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.4



#16
Methylene chloride
Concen: 50.044 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

Tgt Ion: 84 Resp: 101813
Ion Ratio Lower Upper
84 100
86 63.6 44.4 82.5
49 120.6 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 49.001 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

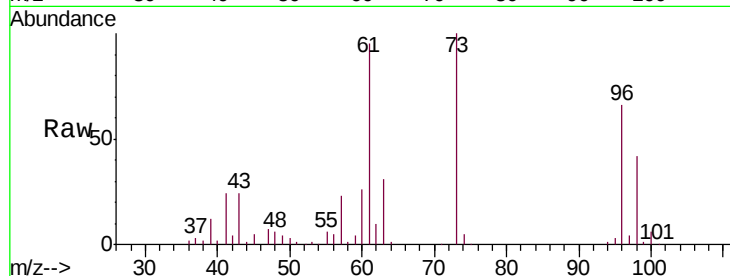
Tgt Ion: 96 Resp: 87803

Ion Ratio Lower Upper

96 100

61 144.4 103.8 192.8

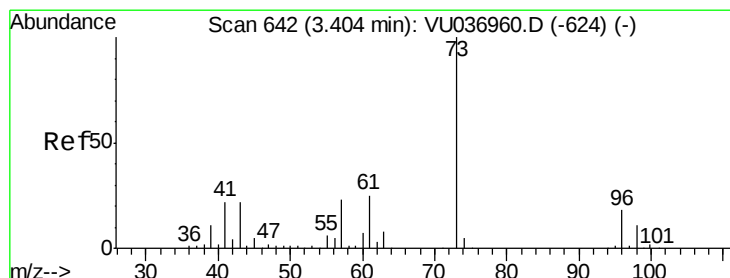
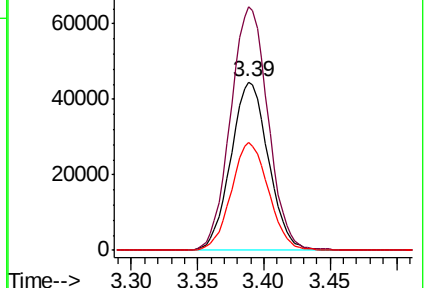
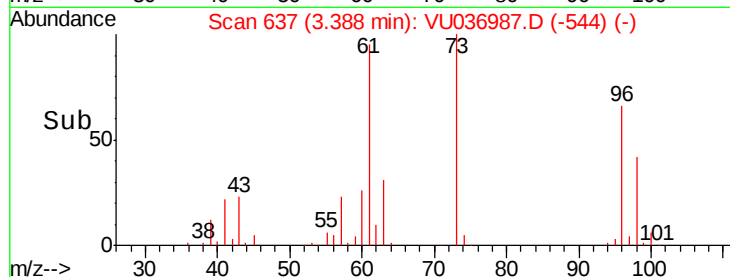
98 64.4 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036987.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036987.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036987.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 49.317 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

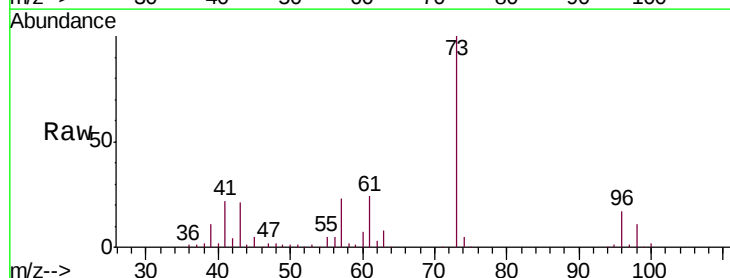
Tgt Ion: 73 Resp: 287249

Ion Ratio Lower Upper

73 100

43 22.1 18.1 27.1

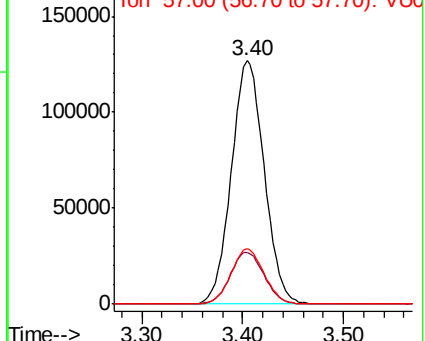
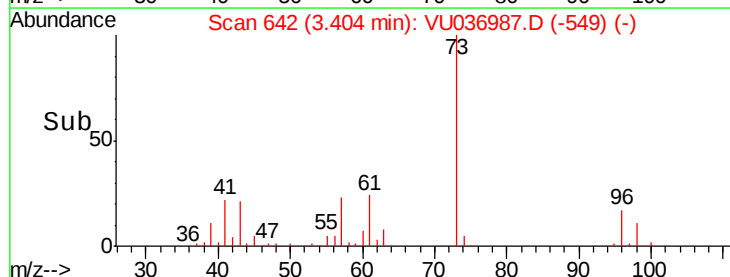
57 22.9 18.4 27.6

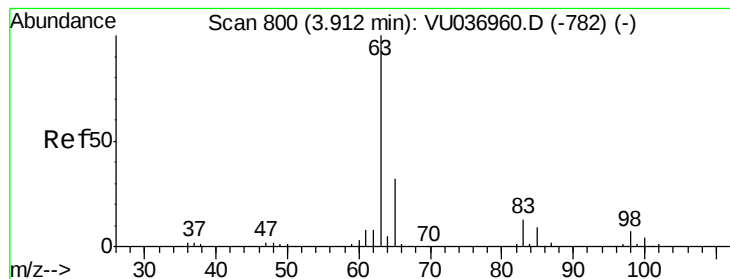


Abundance Ion 73.00 (72.70 to 73.70): VU036987.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU036987.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU036987.D (-549) (-)

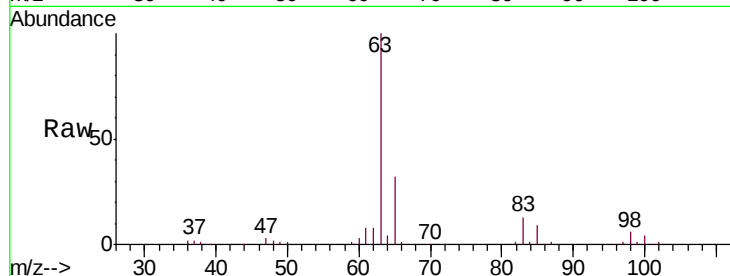




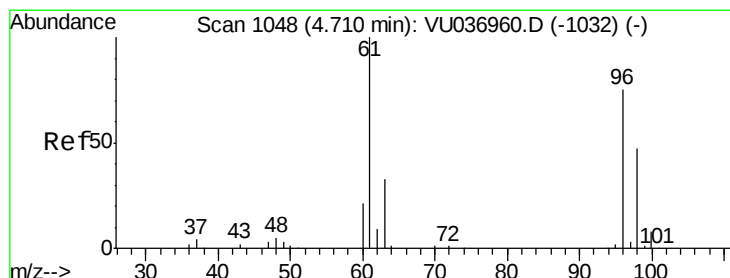
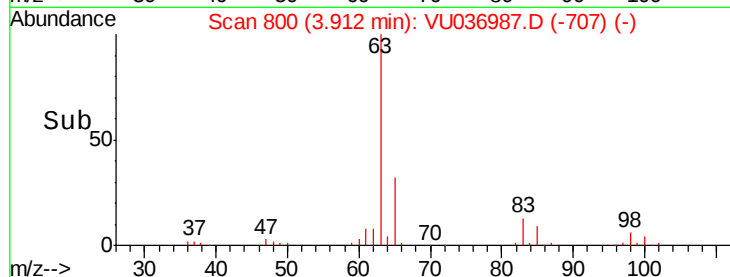
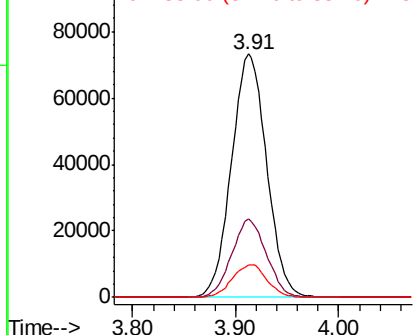
#19
 1,1-Dichloroethane
 Concen: 49.897 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Tgt Ion: 63 Resp: 173730
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.3 39.5
 83 13.2 9.2 17.2

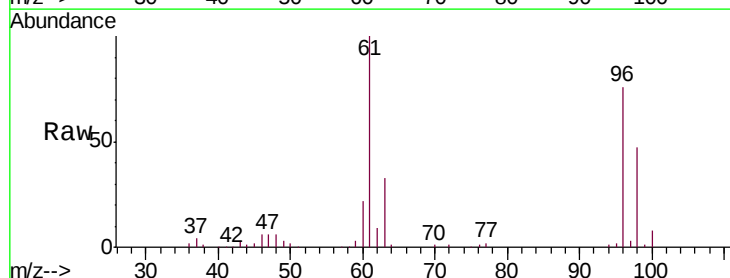


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

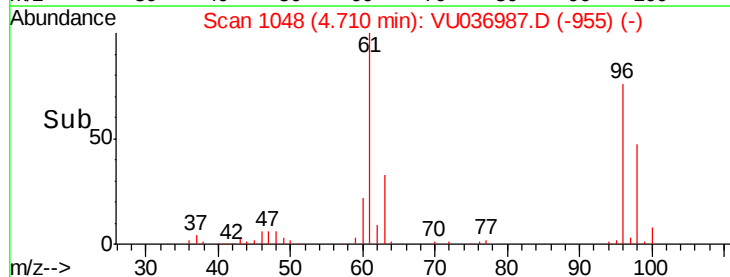
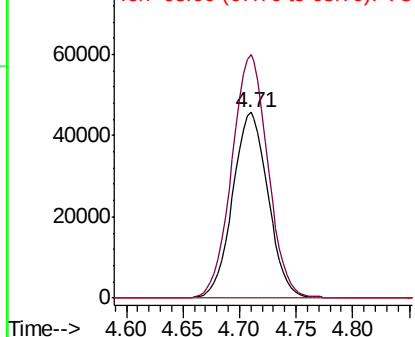


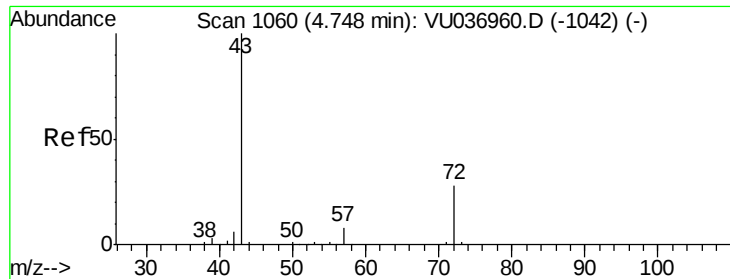
#20
 cis-1,2-Dichloroethene
 Concen: 49.866 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

Tgt Ion: 96 Resp: 99909
 Ion Ratio Lower Upper
 96 100
 61 130.9 93.1 172.9
 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: 94.464 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

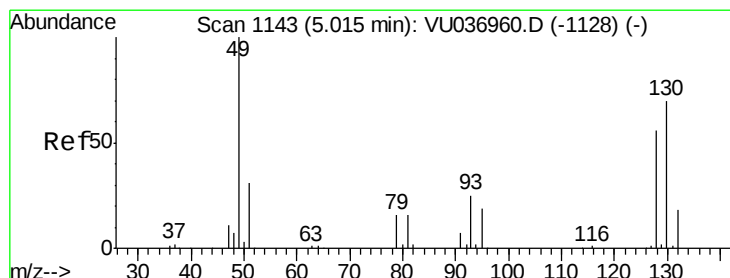
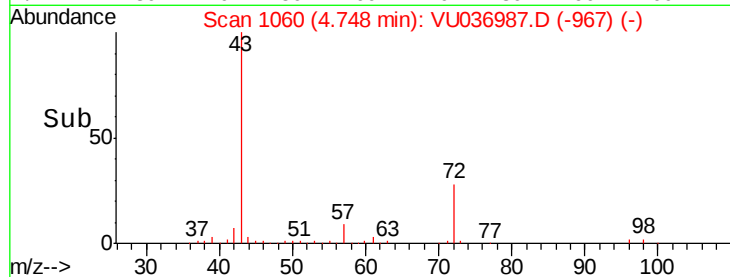
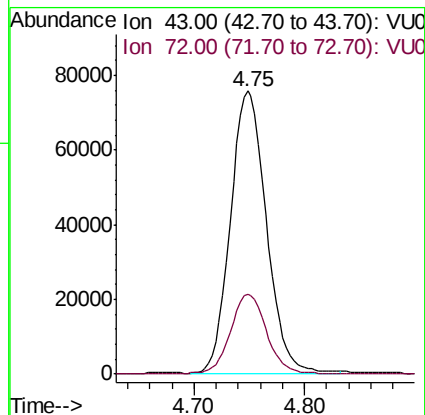
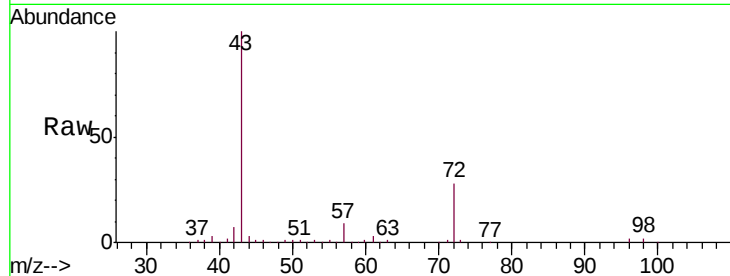
VSTD05040

Tgt Ion: 43 Resp: 170447

Ion Ratio Lower Upper

43 100

72 28.8 13.9 41.6



#23

Bromochloromethane

Concen: 50.019 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Tgt Ion: 128 Resp: 45385

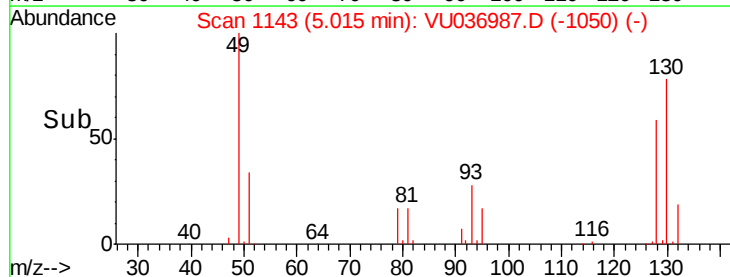
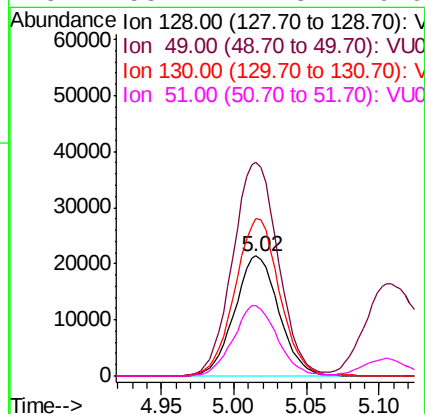
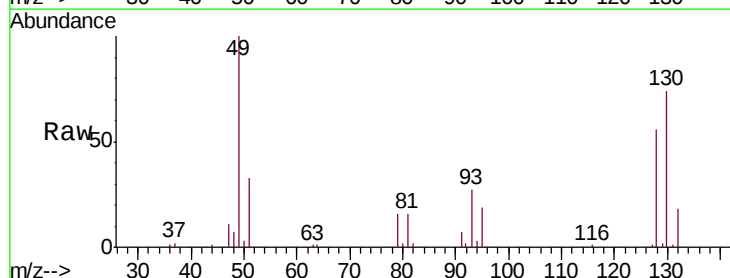
Ion Ratio Lower Upper

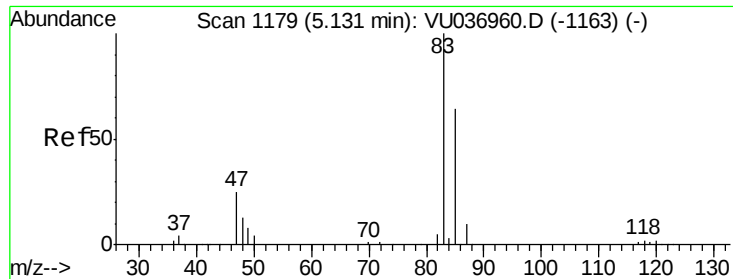
128 100

49 178.0 126.5 234.9

130 131.4 86.0 159.8

51 58.2 47.3 70.9

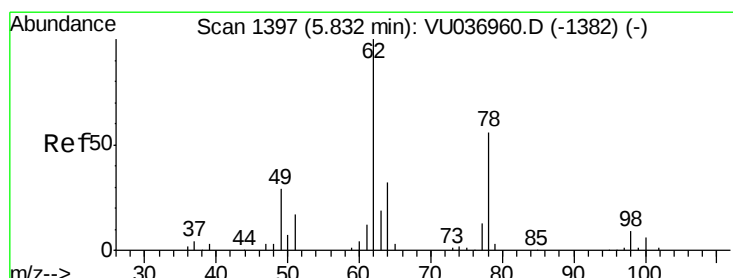
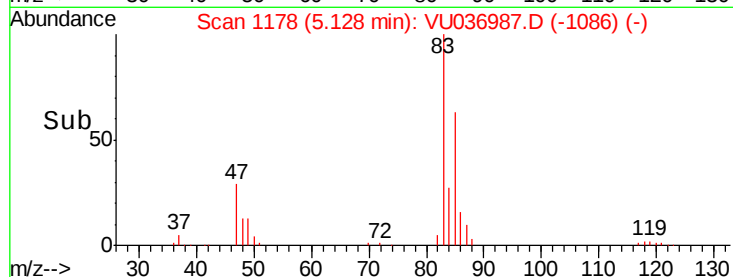
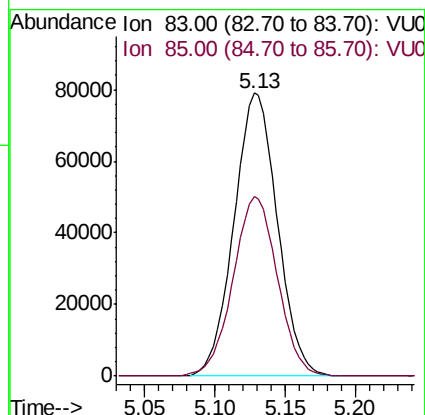
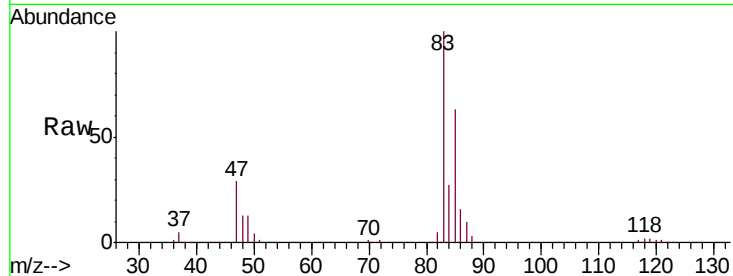




#25
Chloroform
Concen: 50.677 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

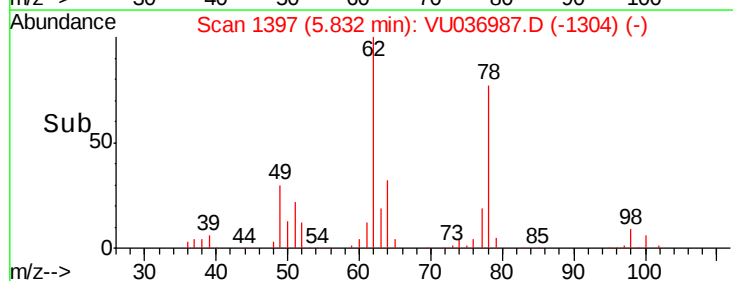
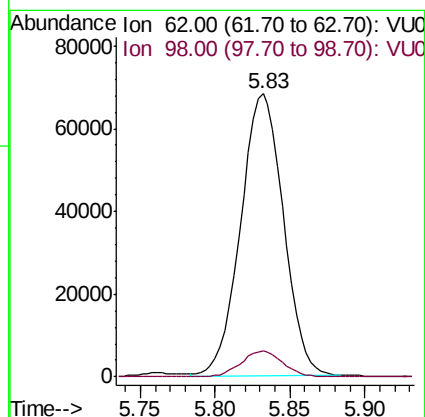
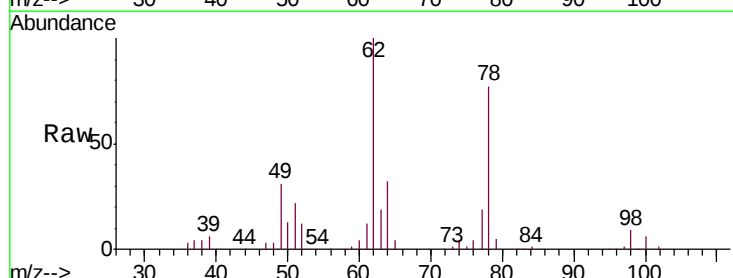
Instrument :
MSVOA_U
ClientSampled :
VSTD05040

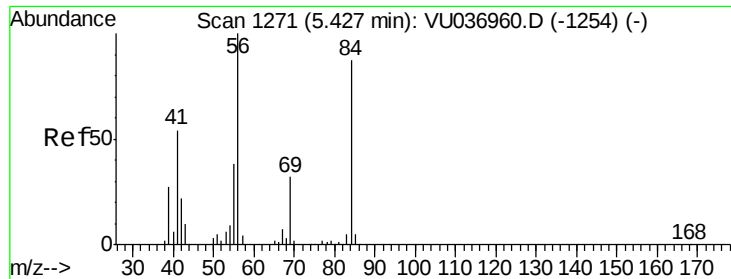
Tgt Ion: 83 Resp: 170246
Ion Ratio Lower Upper
83 100
85 63.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.660 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

Tgt Ion: 62 Resp: 135818
Ion Ratio Lower Upper
62 100
98 9.2 7.1 10.7

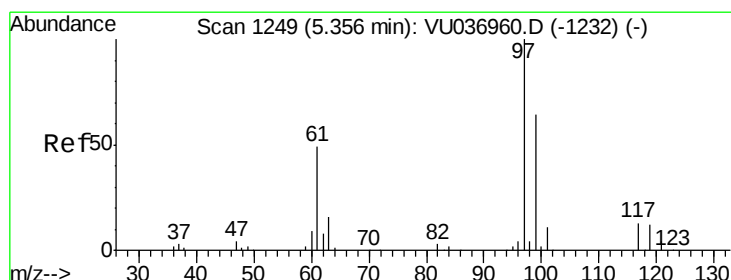
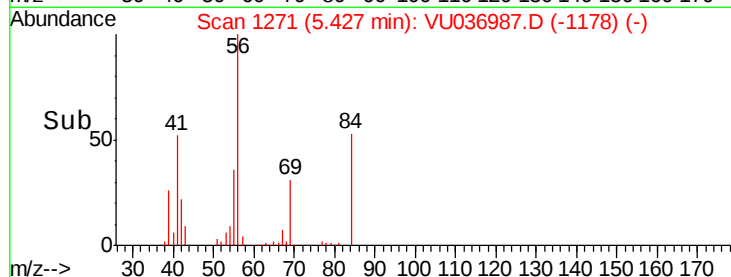
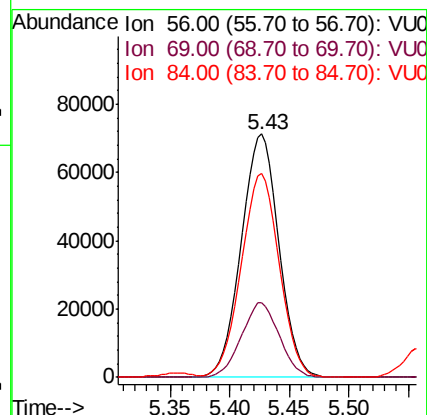
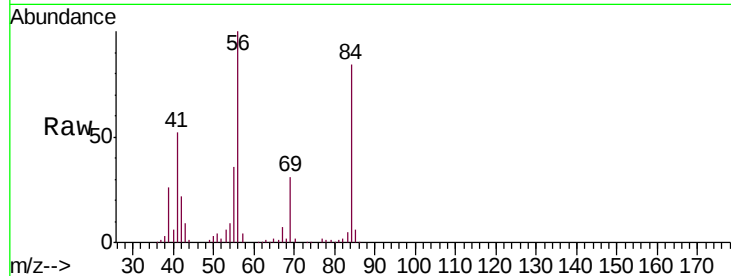




#29
Cyclohexane
Concen: 47.104 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

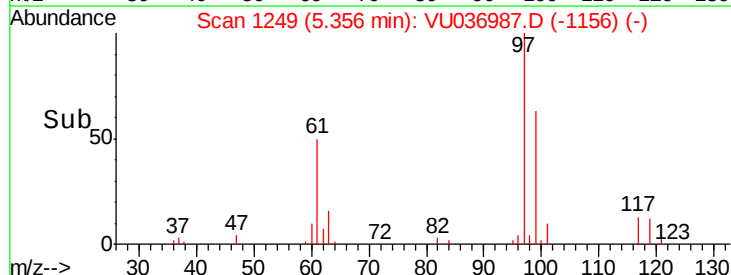
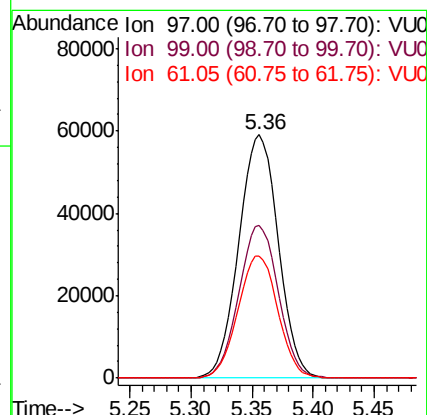
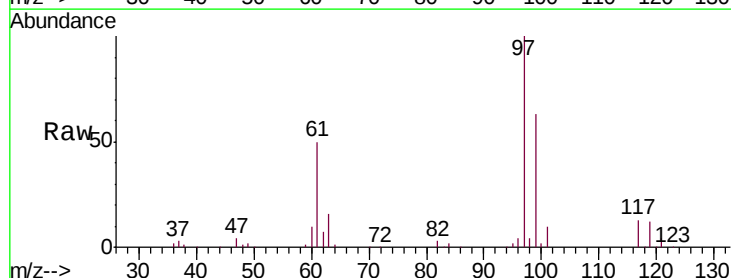
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

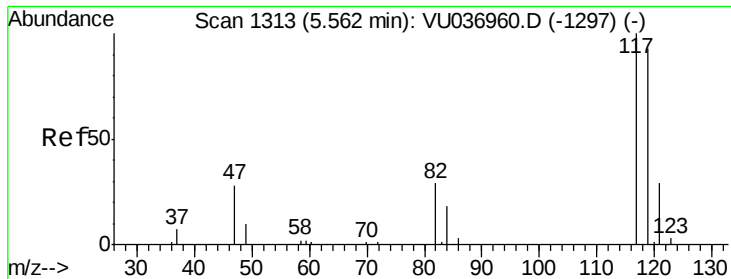
Tgt Ion: 56 Resp: 156265
Ion Ratio Lower Upper
56 100
69 30.6 24.6 37.0
84 84.9 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 49.491 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

Tgt Ion: 97 Resp: 132653
Ion Ratio Lower Upper
97 100
99 62.8 50.4 75.6
61 50.7 40.3 60.5





#31

Carbon tetrachloride

Concen: 48.882 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

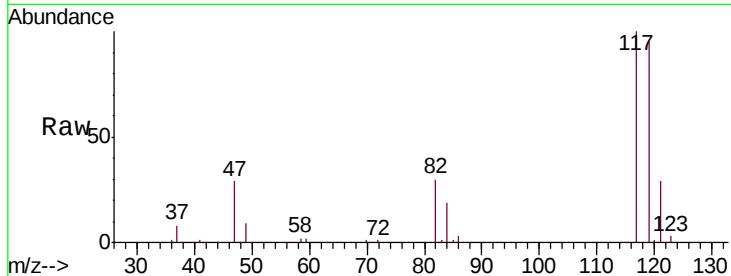
VSTD05040

Tgt Ion:117 Resp: 102694

Ion Ratio Lower Upper

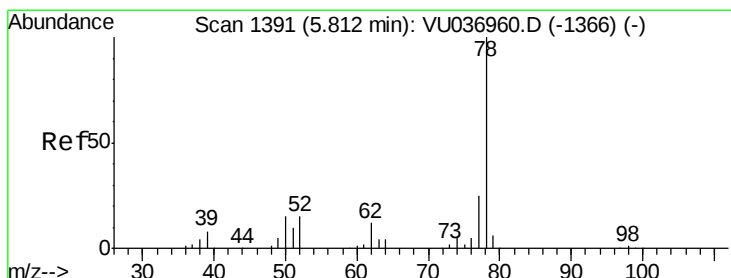
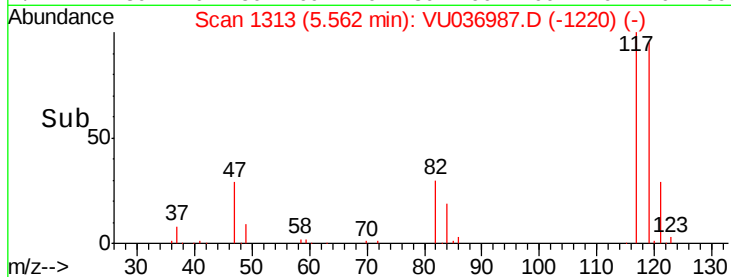
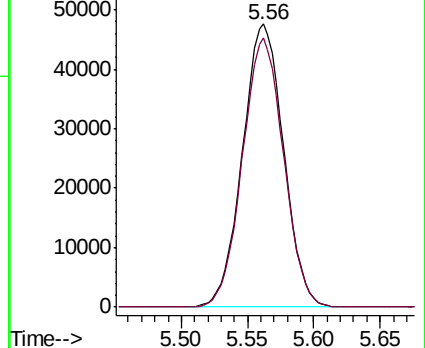
117 100

119 95.1 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.296 ug/L

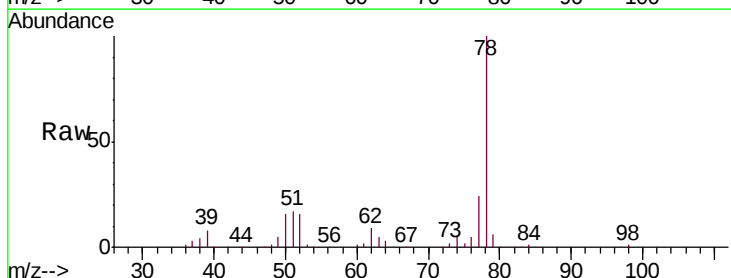
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

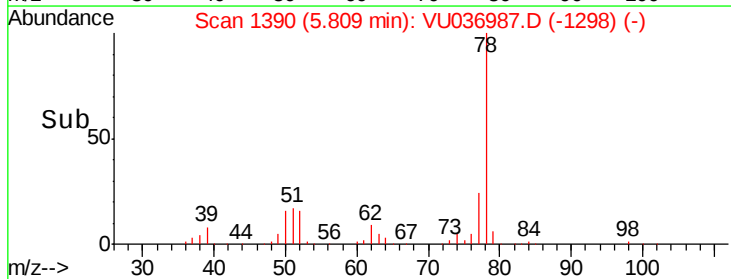
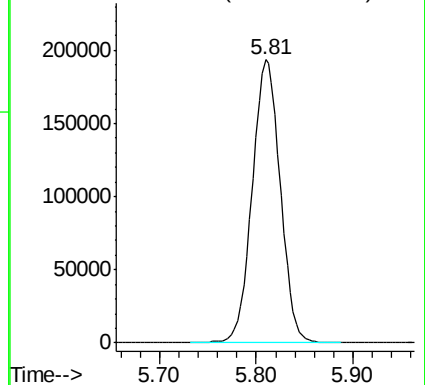
Lab File: VU036987.D

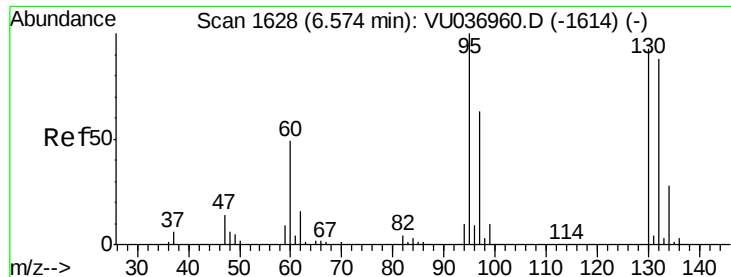
Acq: 28 Feb 2020 20:48

Tgt Ion: 78 Resp: 389328



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 49.078 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

Tgt Ion: 95 Resp: 95267

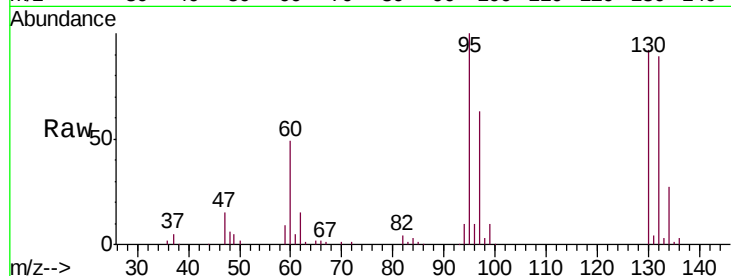
Ion Ratio Lower Upper

95 100

97 63.3 44.1 81.9

132 88.6 60.6 112.6

130 92.3 64.9 120.5

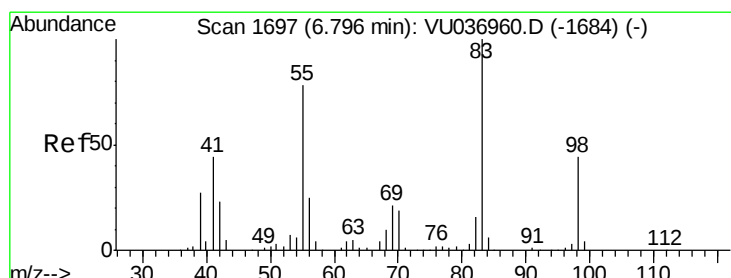
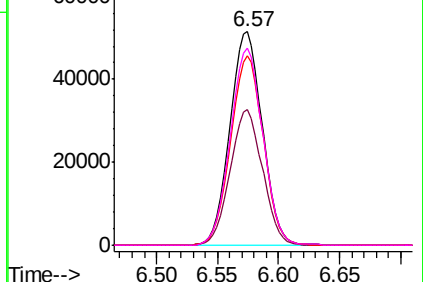
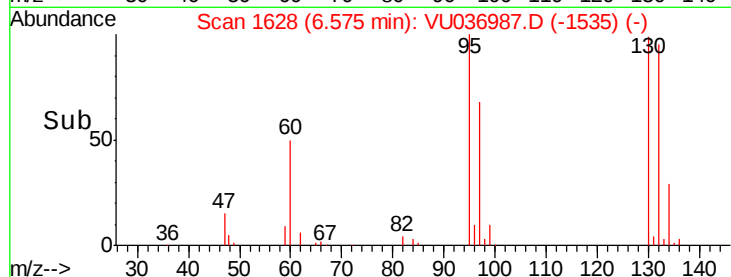


Abundance Ion 95.00 (94.70 to 95.70): VU036987.D (-1535) (-)

Ion 97.00 (96.70 to 97.70): VU036987.D (-1535) (-)

Ion 132.00 (131.70 to 132.70): VU036987.D (-1535) (-)

Ion 130.00 (129.70 to 130.70): VU036987.D (-1535) (-)



#35

Methylcyclohexane

Concen: 47.518 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

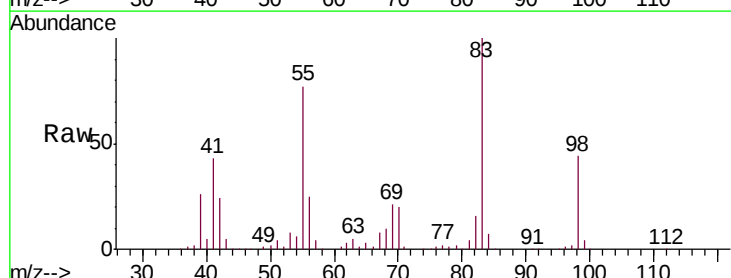
Tgt Ion: 83 Resp: 159924

Ion Ratio Lower Upper

83 100

55 77.0 62.6 93.8

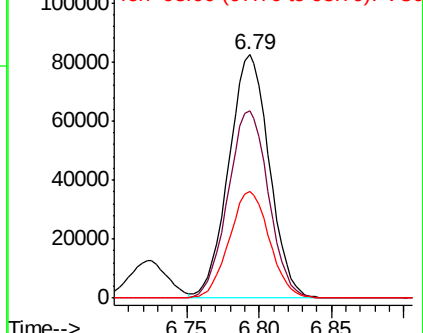
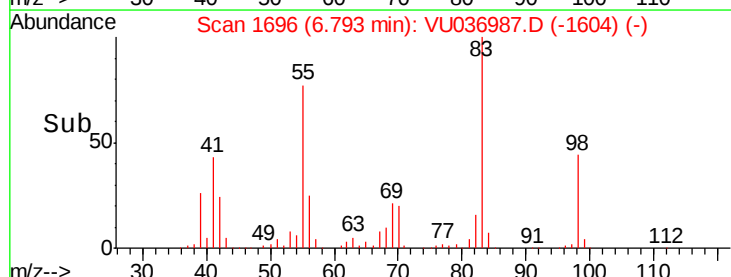
98 43.5 35.1 52.7

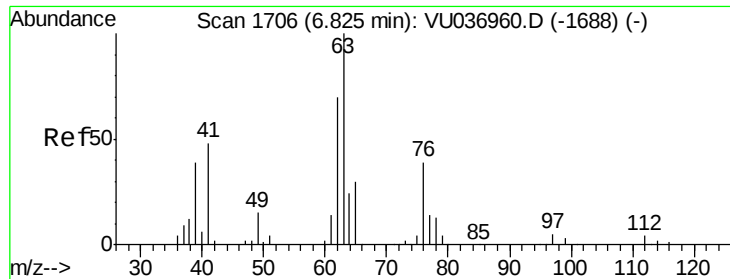


Abundance Ion 83.00 (82.70 to 83.70): VU036987.D (-1604) (-)

Ion 55.00 (54.70 to 55.70): VU036987.D (-1604) (-)

Ion 98.00 (97.70 to 98.70): VU036987.D (-1604) (-)

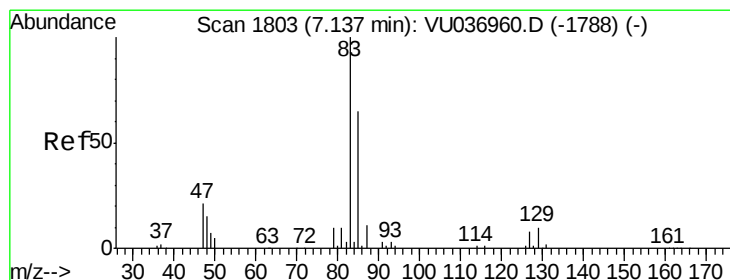
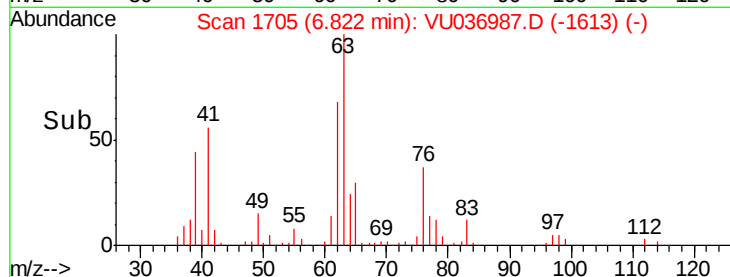
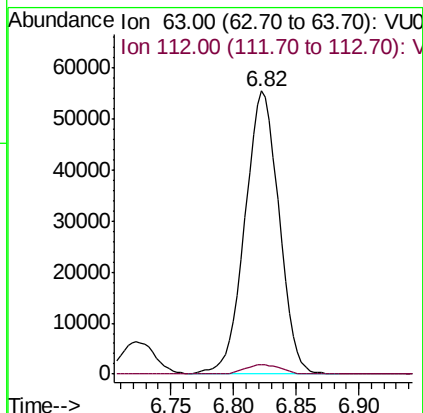
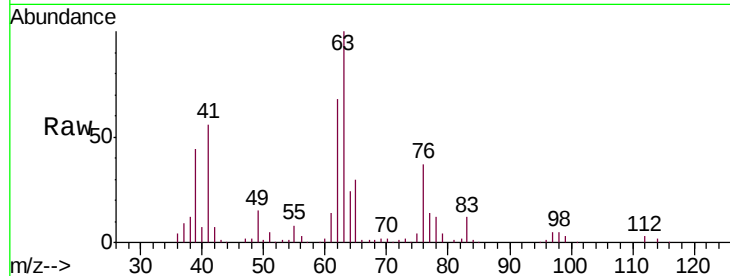




#37
 1,2-Dichloropropane
 Concen: 49.544 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

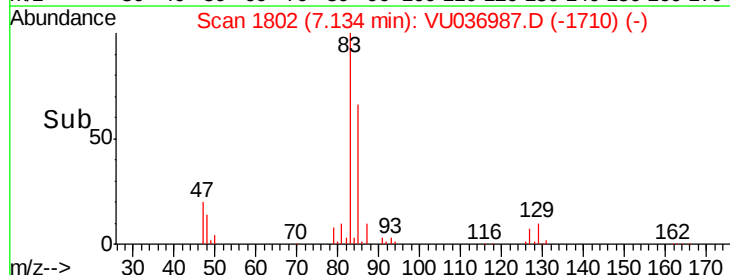
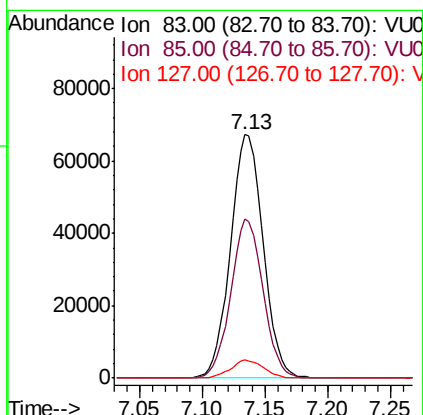
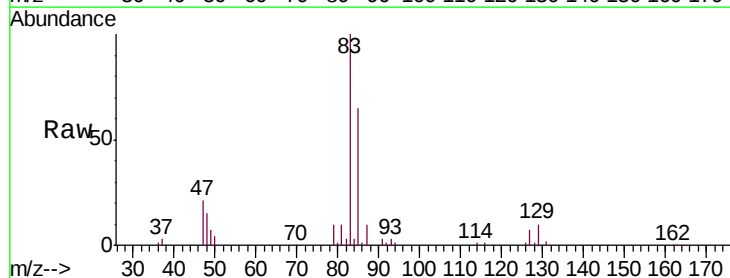
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

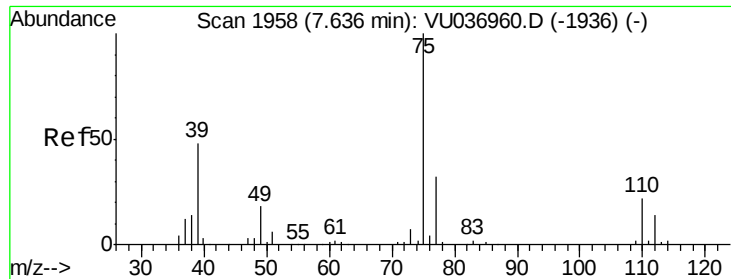
Tgt Ion: 63 Resp: 105356
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6



#38
 Bromodichloromethane
 Concen: 48.581 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

Tgt Ion: 83 Resp: 121943
 Ion Ratio Lower Upper
 83 100
 85 65.2 43.6 81.0
 127 7.3 6.0 9.0

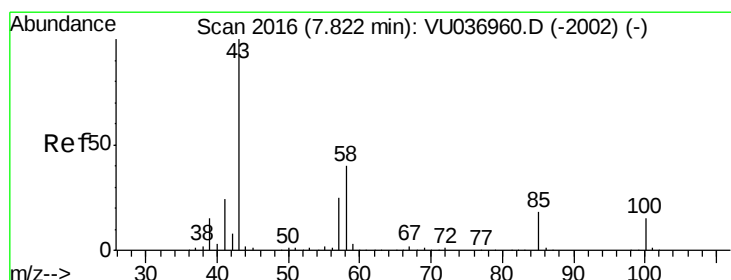
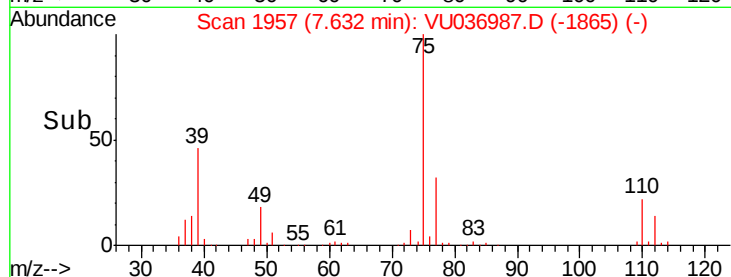
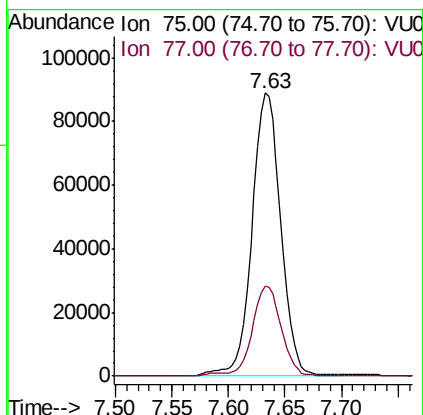
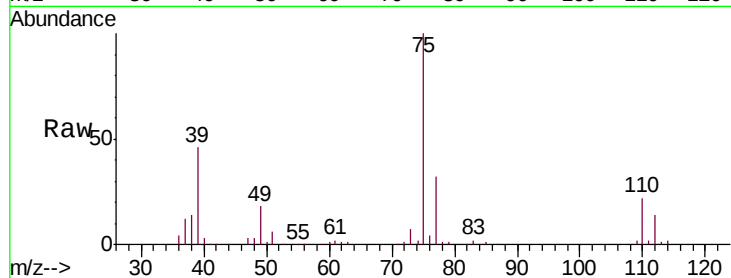




#39
 cis-1,3-Dichloropropene
 Concen: 48.092 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

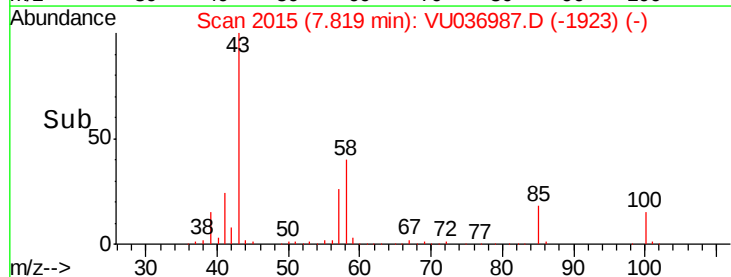
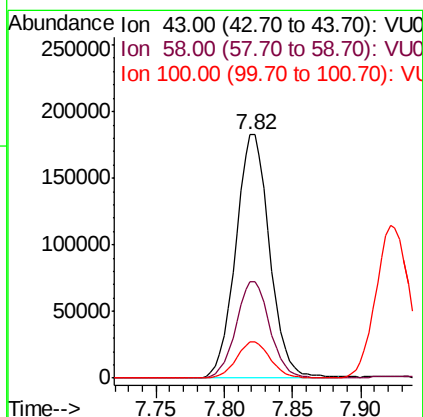
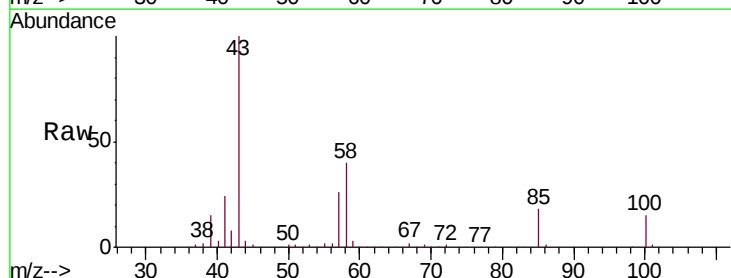
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

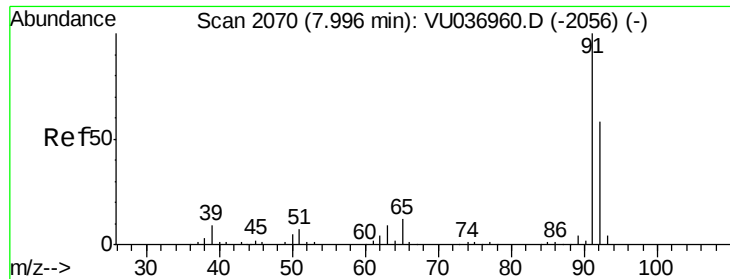
Tgt Ion: 75 Resp: 157535
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 100.710 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

Tgt Ion: 43 Resp: 315566
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.8 47.6
 100 14.8 11.5 17.3





#42

Toluene

Concen: 49.622 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

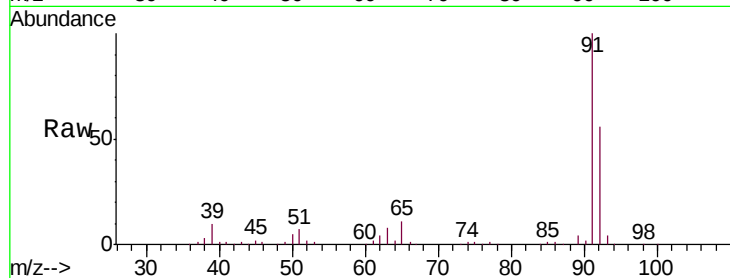
VSTD05040

Tgt Ion: 91 Resp: 417522

Ion Ratio Lower Upper

91 100

92 56.2 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036960.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036960.D (-2056) (-)

7.99

250000

200000

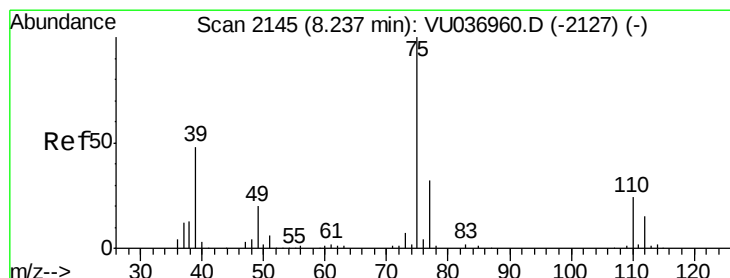
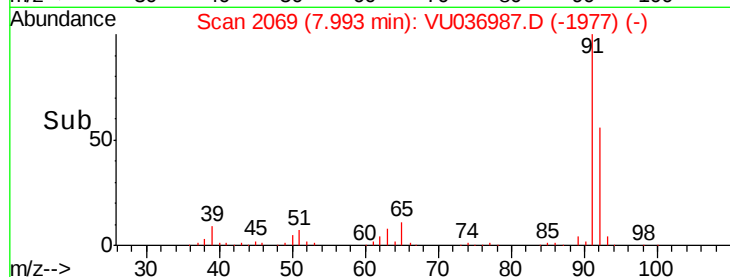
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.279 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU036987.D

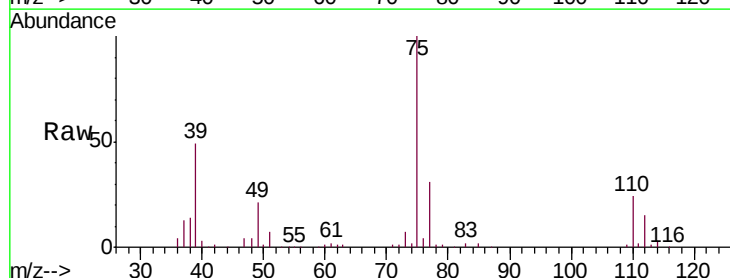
Acq: 28 Feb 2020 20:48

Tgt Ion: 75 Resp: 134346

Ion Ratio Lower Upper

75 100

77 31.1 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036960.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU036960.D (-2127) (-)

8.23

80000

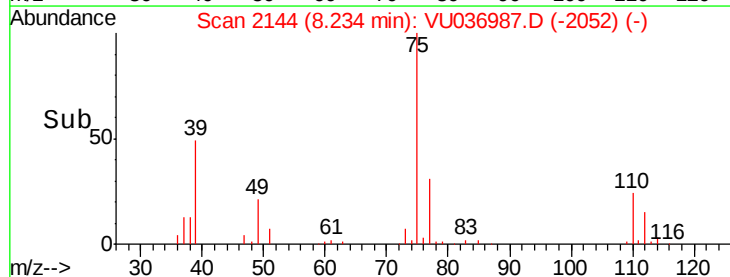
60000

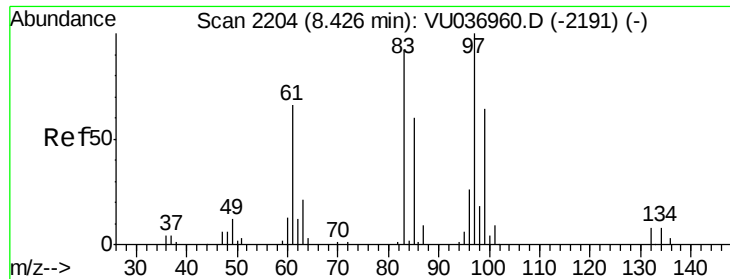
40000

20000

0

Time-->

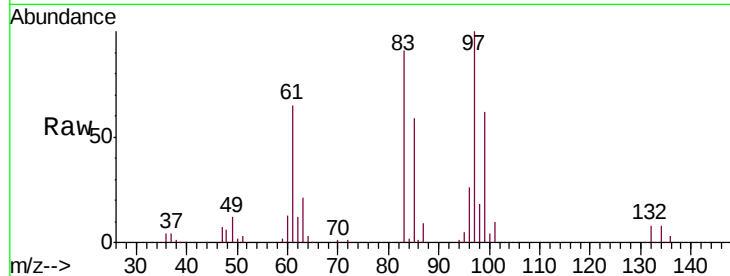




#45
 1,1,2-Trichloroethane
 Concen: 49.477 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Tgt Ion:	97	Resp:	93561
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.6	81.0
83	91.2	62.7	116.5
85	58.9	40.3	74.9



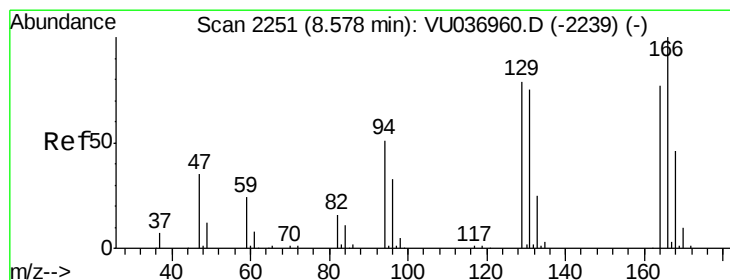
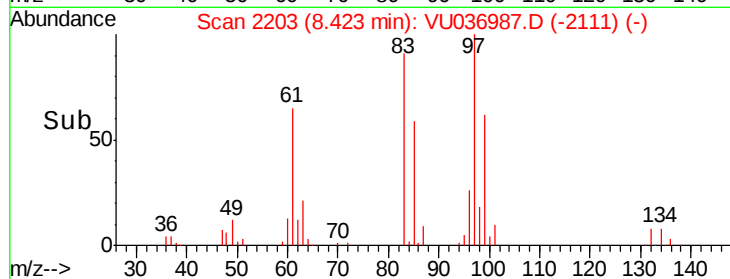
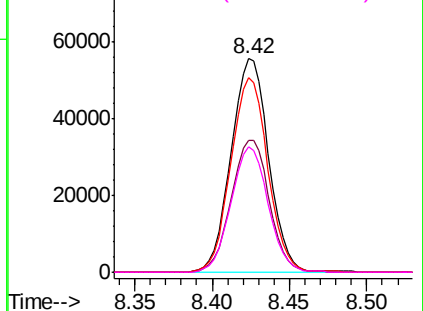
Abundance

Ion 97.00 (96.70 to 97.70): VU036960.D (-2191) (-)

Ion 99.00 (98.70 to 99.70): VU036960.D (-2191) (-)

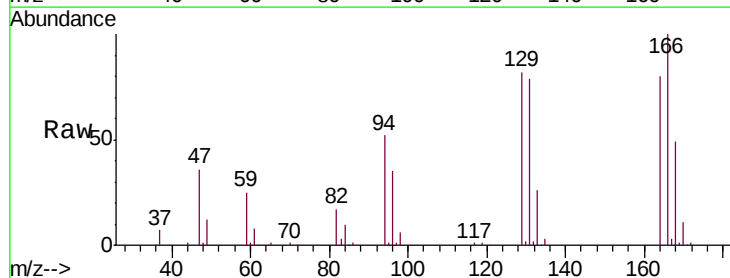
Ion 83.00 (82.70 to 83.70): VU036960.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU036960.D (-2191) (-)



#46
 Tetrachloroethene
 Concen: 48.267 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

Tgt Ion:	164	Resp:	61722
Ion	Ratio	Lower	Upper
164	100		
129	102.8	72.0	133.8
131	99.2	67.9	126.1
166	125.3	87.1	161.7



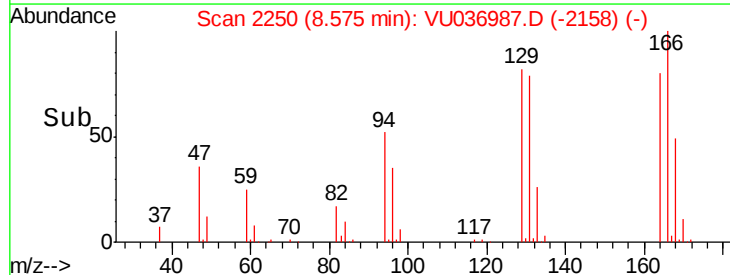
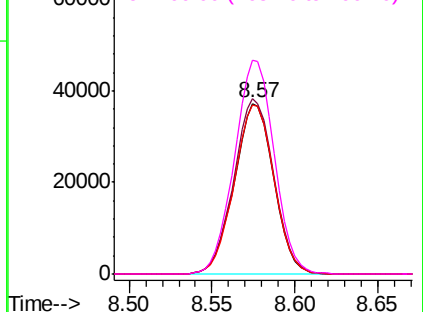
Abundance

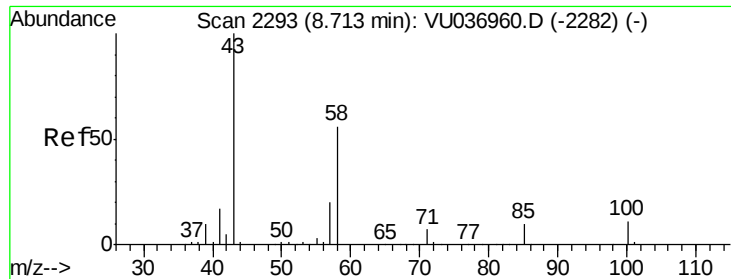
Ion 164.00 (163.70 to 164.70): VU036960.D (-2239) (-)

Ion 129.00 (128.70 to 129.70): VU036960.D (-2239) (-)

Ion 131.00 (130.70 to 131.70): VU036960.D (-2239) (-)

Ion 166.00 (165.70 to 166.70): VU036960.D (-2239) (-)

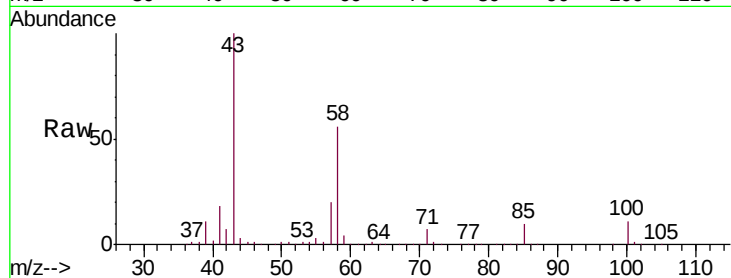




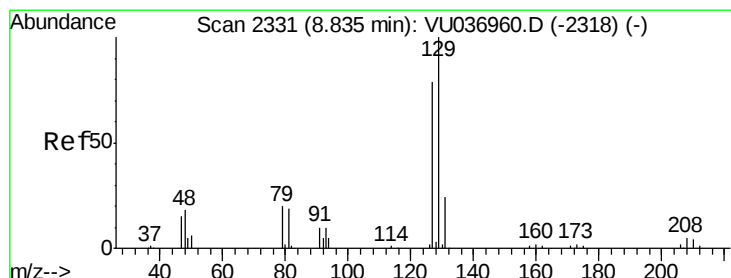
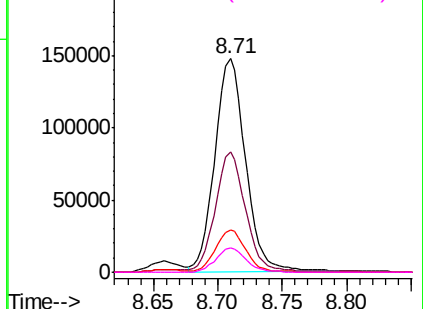
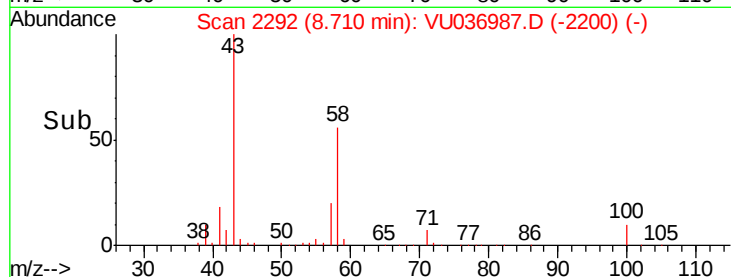
#48
2-Hexanone
Concen: 97.344 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Tgt Ion: 43 Resp: 243406
Ion Ratio Lower Upper
43 100
58 54.4 43.5 65.3
57 19.2 15.1 22.7
100 11.4 8.7 13.1

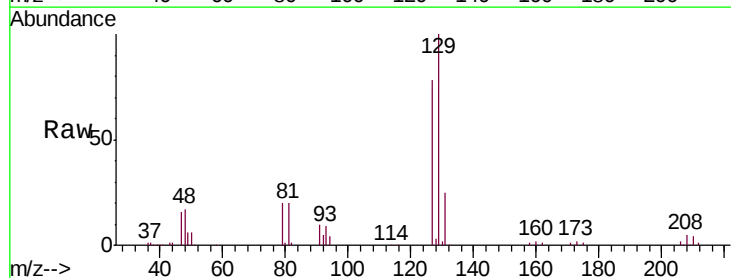


Abundance Ion 43.00 (42.70 to 43.70): VU036987.D (-2200) (-)
Ion 58.00 (57.70 to 58.70): VU036987.D (-2200) (-)
Ion 57.00 (56.70 to 57.70): VU036987.D (-2200) (-)
Ion 100.00 (99.70 to 100.70): VU036987.D (-2200) (-)

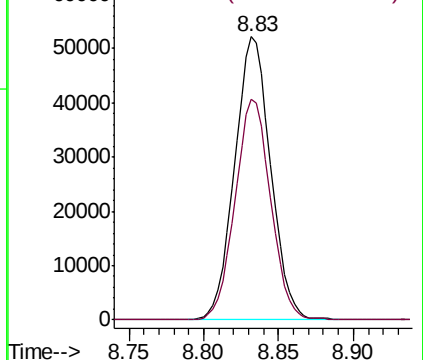
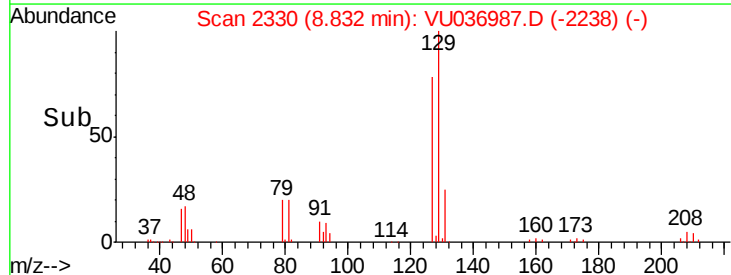


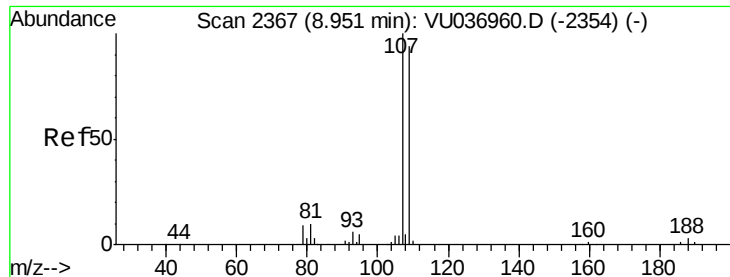
#49
Dibromochloromethane
Concen: 48.712 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

Tgt Ion: 129 Resp: 87433
Ion Ratio Lower Upper
129 100
127 78.1 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VU036987.D (-2238) (-)
Ion 127.00 (126.70 to 127.70): VU036987.D (-2238) (-)

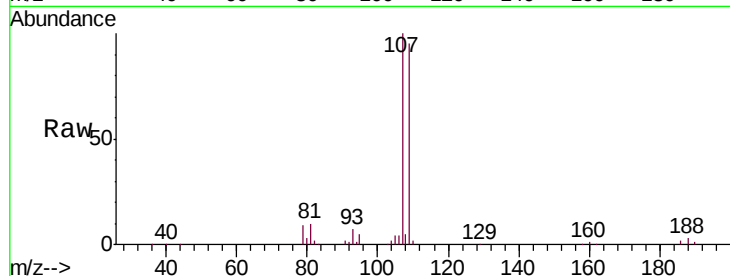




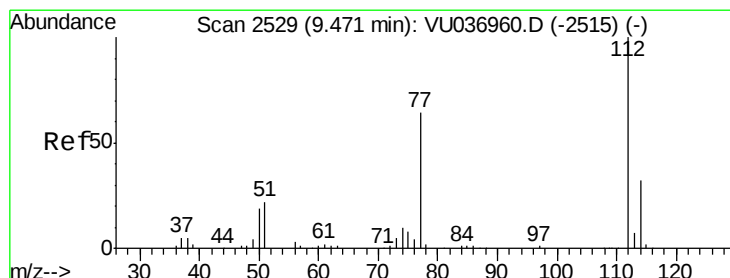
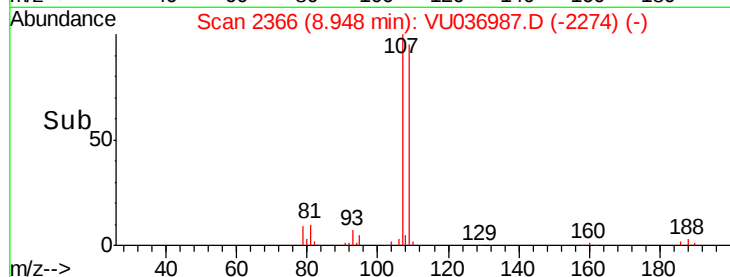
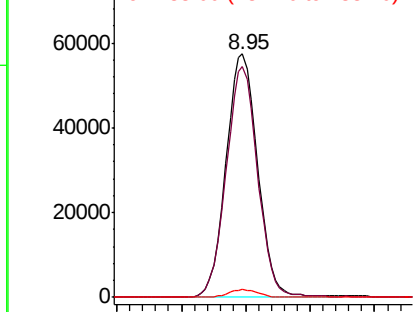
#50
1,2-Dibromoethane
Concen: 49.484 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

Tgt Ion:107 Resp: 97853
Ion Ratio Lower Upper
107 100
109 94.9 65.9 122.5
188 3.1 2.2 3.2

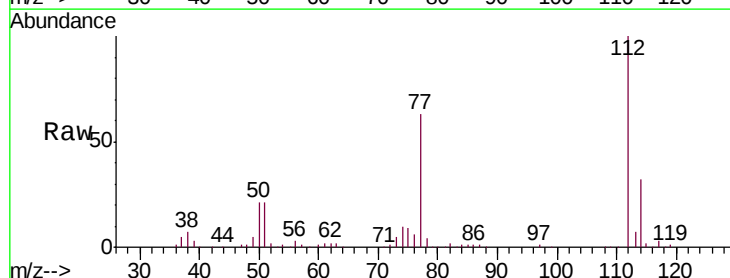


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

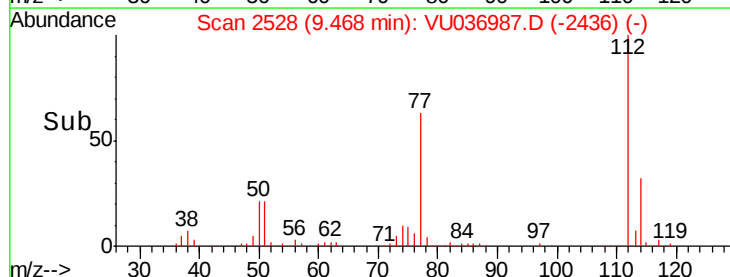
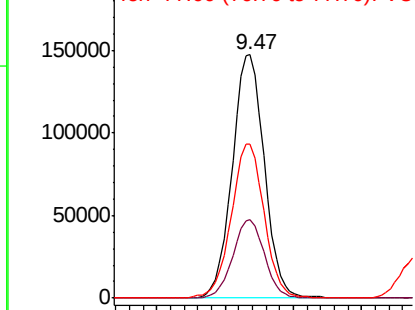


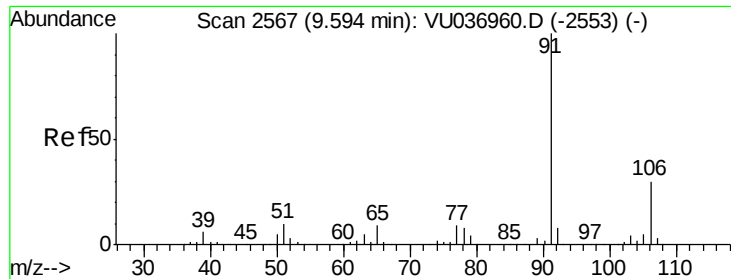
#51
Chlorobenzene
Concen: 48.297 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

Tgt Ion:112 Resp: 240789
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 63.0 50.1 75.1



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): V

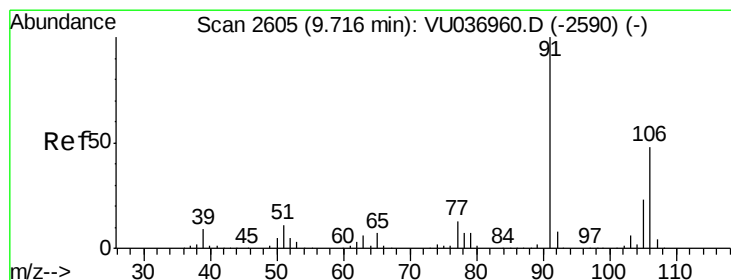
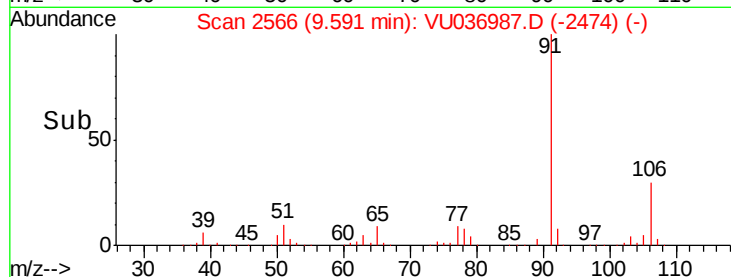
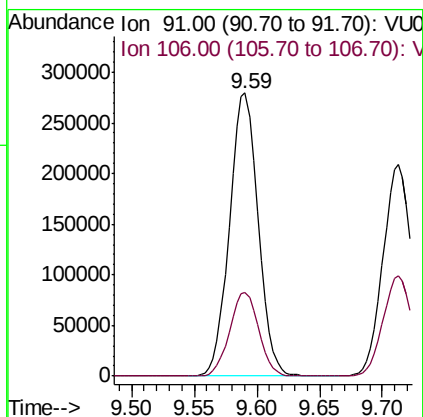
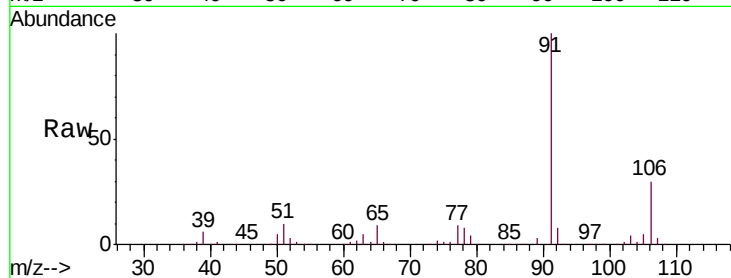




#52
Ethylbenzene
Concen: 48.630 ug/L
RT: 9.59 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

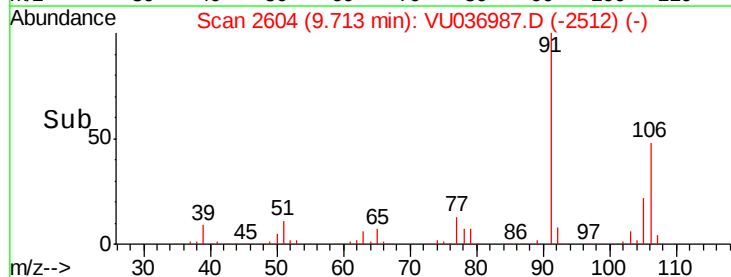
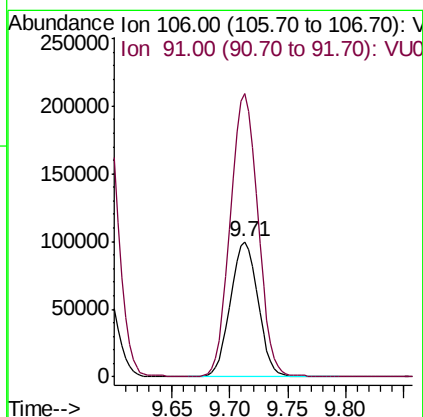
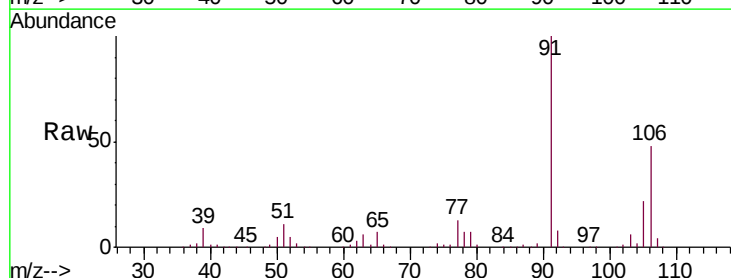
Instrument :
MSVOA_U
ClientSampleId :
VSTD05040

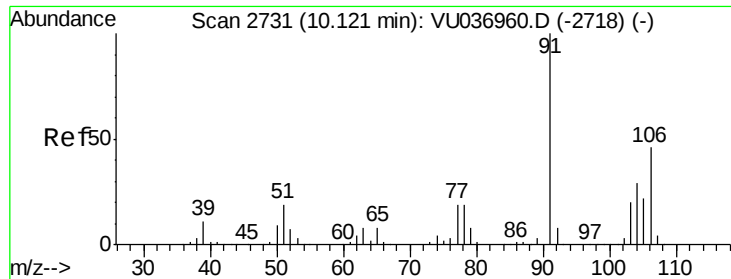
Tgt Ion: 91 Resp: 443571
Ion Ratio Lower Upper
91 100
106 29.7 21.1 39.1



#53
m,p-Xylene
Concen: 49.203 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU036987.D
Acq: 28 Feb 2020 20:48

Tgt Ion: 106 Resp: 164626
Ion Ratio Lower Upper
106 100
91 209.8 145.3 269.9





#54

o-xylene

Concen: 48.305 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

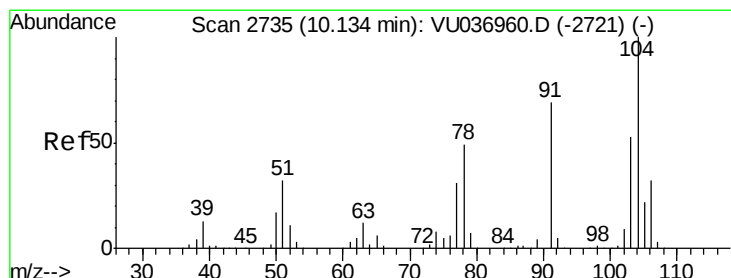
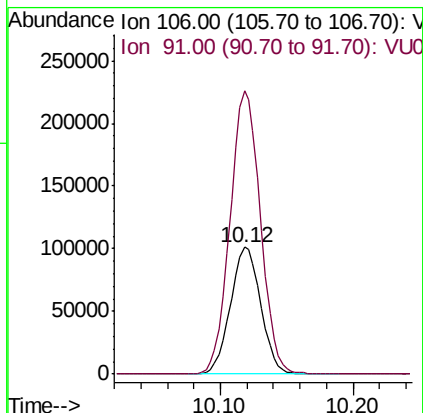
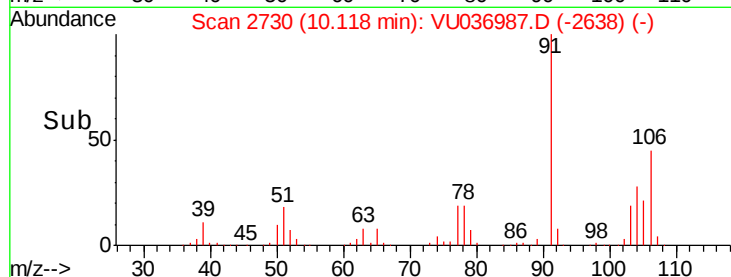
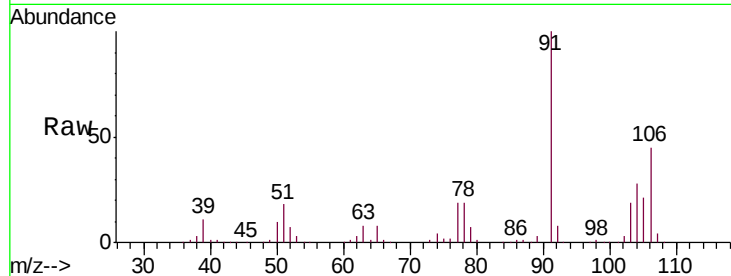
VSTD05040

Tgt Ion:106 Resp: 161198

Ion Ratio Lower Upper

106 100

91 222.6 154.2 286.4



#55

Styrene

Concen: 48.855 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU036987.D

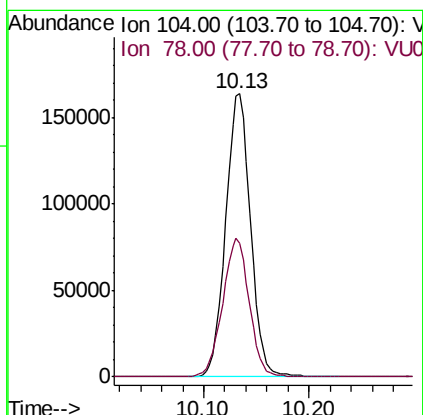
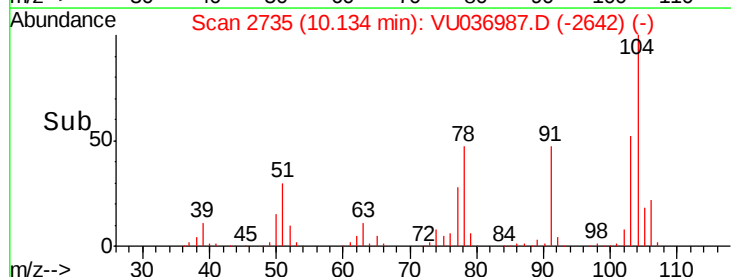
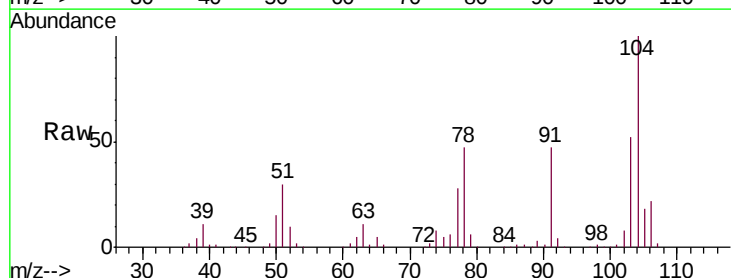
Acq: 28 Feb 2020 20:48

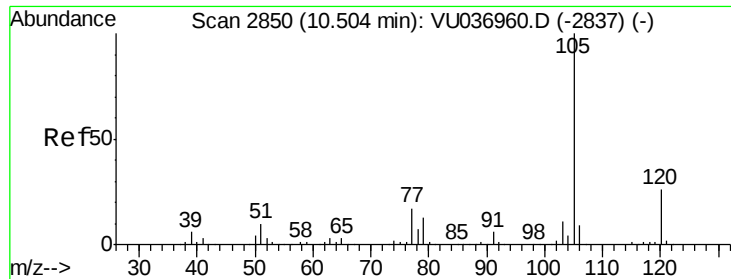
Tgt Ion:104 Resp: 266516

Ion Ratio Lower Upper

104 100

78 47.2 33.0 61.4





#56

Isopropylbenzene

Concen: 48.845 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

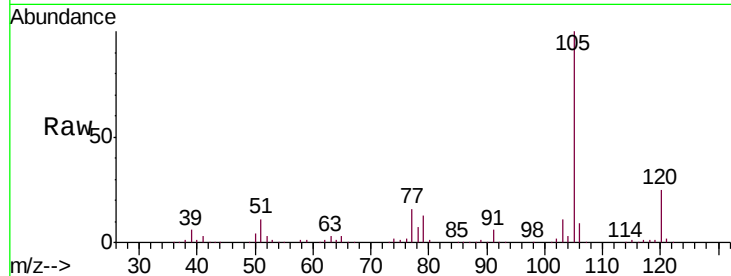
Tgt Ion: 105 Resp: 418656

Ion Ratio Lower Upper

105 100

120 25.3 20.5 30.7

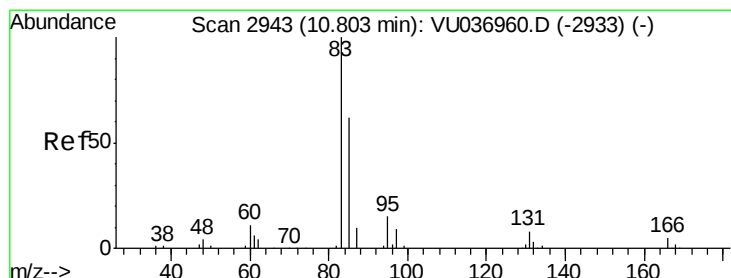
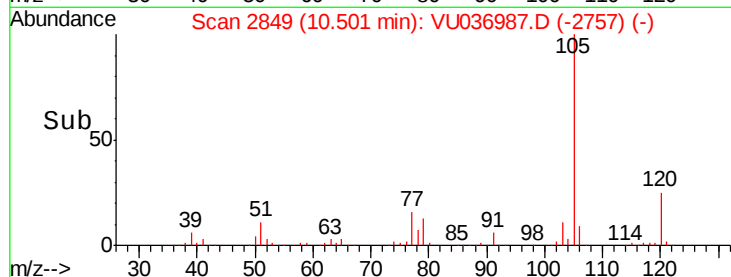
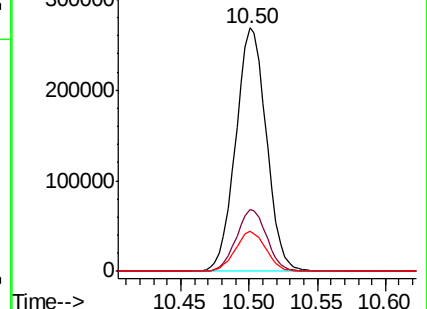
77 16.4 13.1 19.7



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: 49.576 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

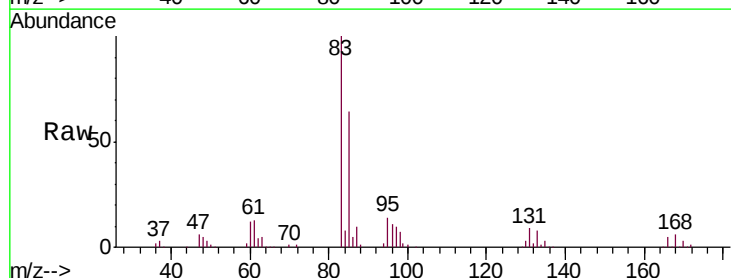
Tgt Ion: 83 Resp: 167600

Ion Ratio Lower Upper

83 100

85 64.0 45.5 84.5

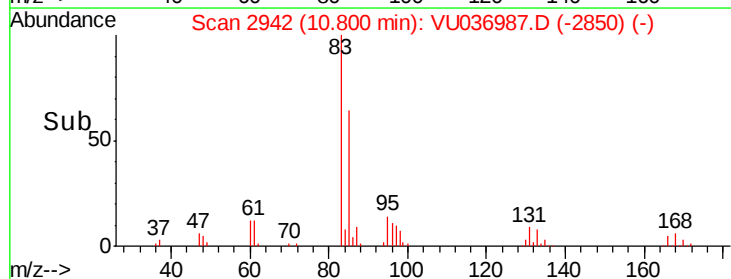
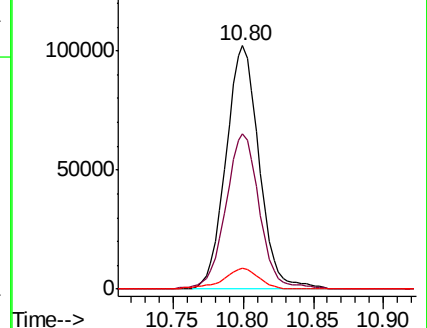
131 8.6 6.8 10.2

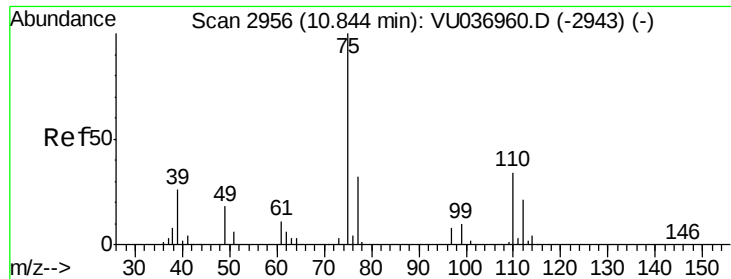


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.177 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

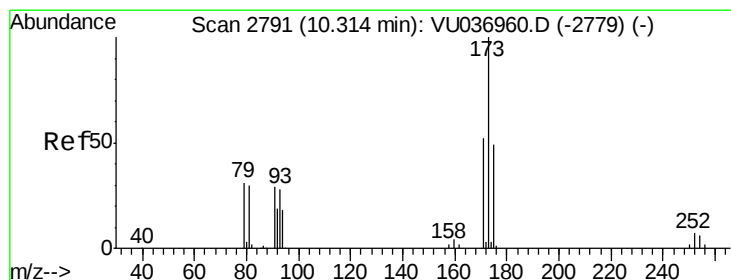
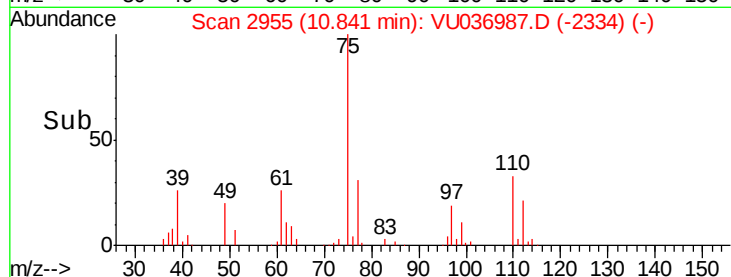
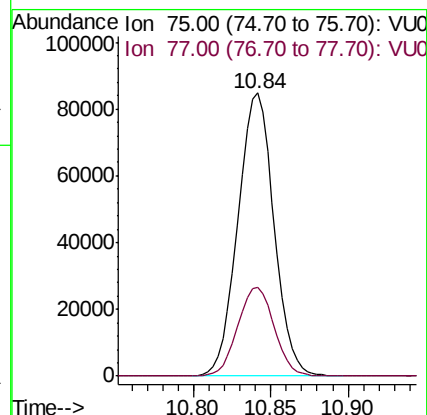
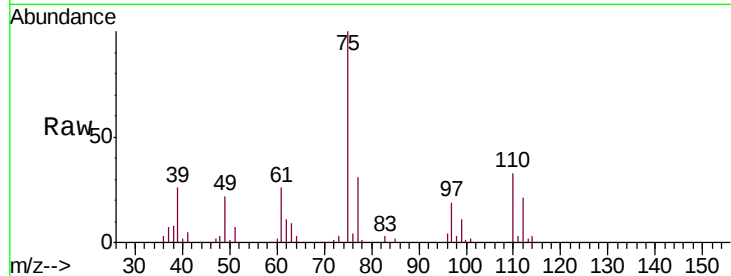
VSTD05040

Tgt Ion: 75 Resp: 137263

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.2



#61

Bromoform

Concen: 47.586 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

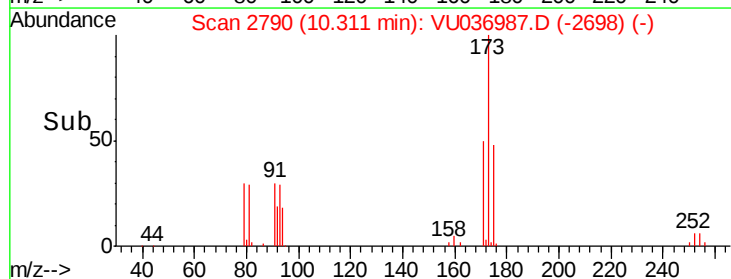
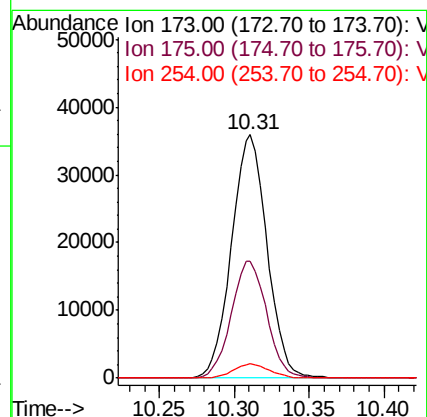
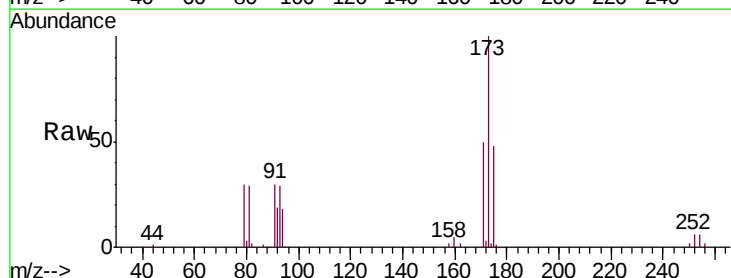
Tgt Ion: 173 Resp: 59477

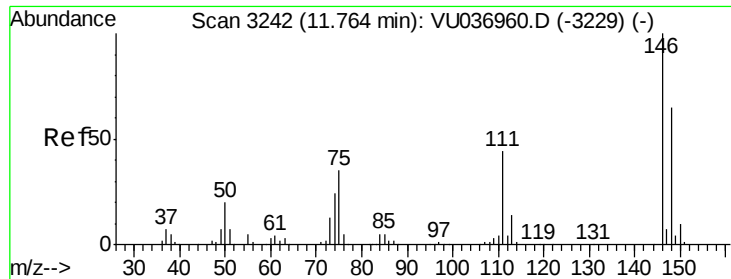
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

254 5.8 4.6 6.8





#62

1,3-Dichlorobenzene

Concen: 47.662 ug/L

RT: 11.76 min Scan# 3241

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

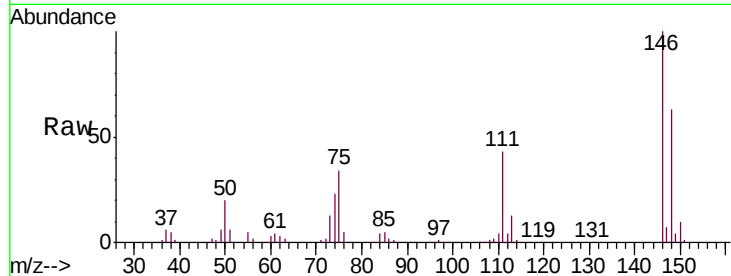
Tgt Ion:146 Resp: 170930

Ion Ratio Lower Upper

146 100

111 43.2 30.7 56.9

148 63.0 44.2 82.2

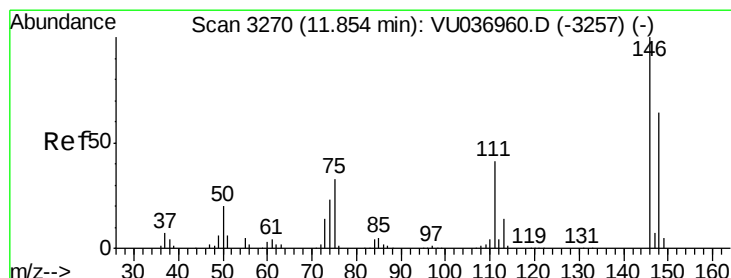
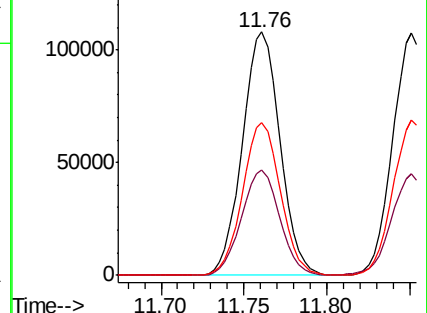
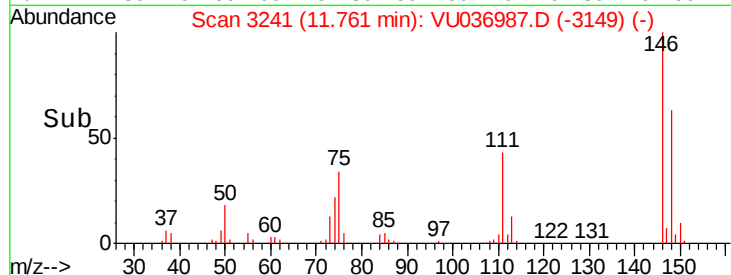


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.794 ug/L

RT: 11.85 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

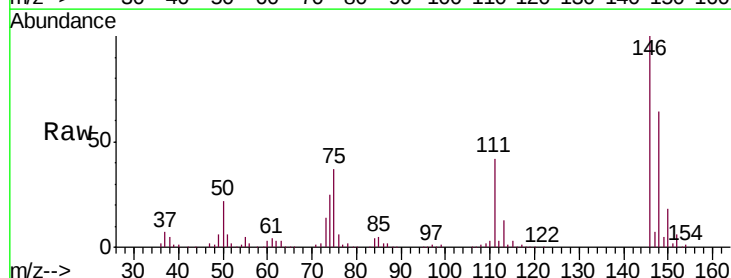
Tgt Ion:146 Resp: 169343

Ion Ratio Lower Upper

146 100

111 41.7 29.8 55.4

148 64.0 45.1 83.9

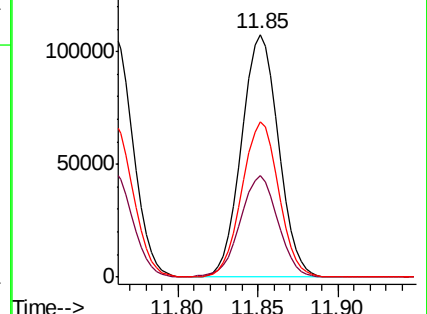
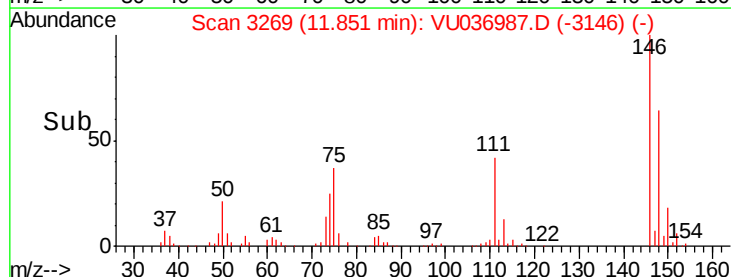


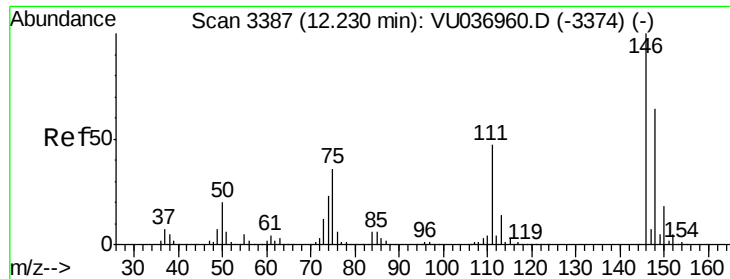
Abundance

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: 48.419 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleID :

VSTD05040

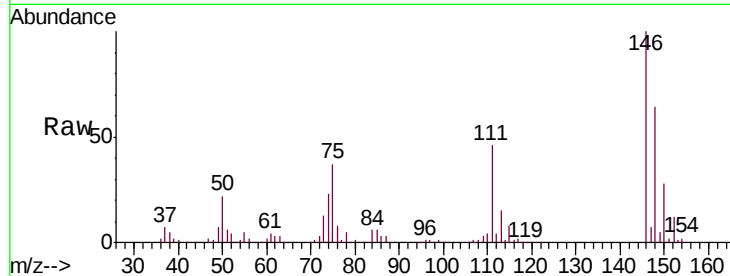
Tgt Ion: 146 Resp: 173379

Ion Ratio Lower Upper

146 100

111 45.8 35.4 53.0

148 64.3 50.5 75.7

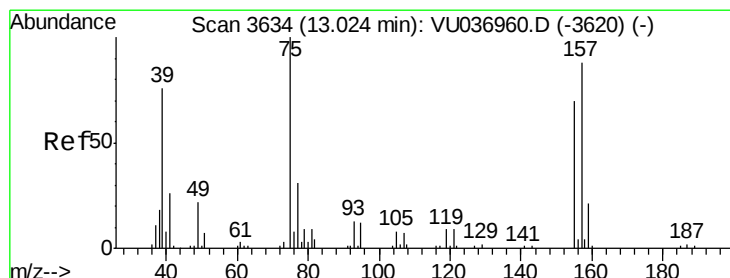
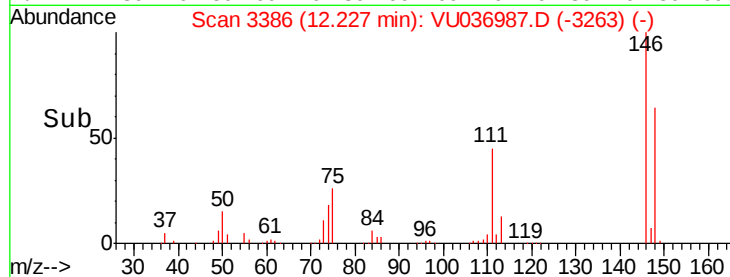
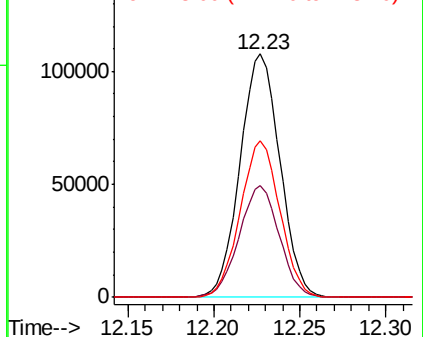


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 50.253 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.01 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

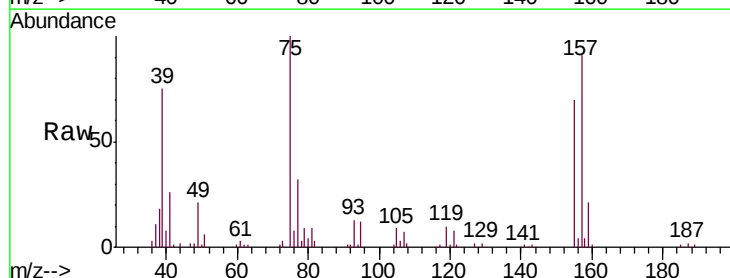
Tgt Ion: 75 Resp: 35699

Ion Ratio Lower Upper

75 100

155 70.0 55.7 83.5

157 91.2 73.0 109.6

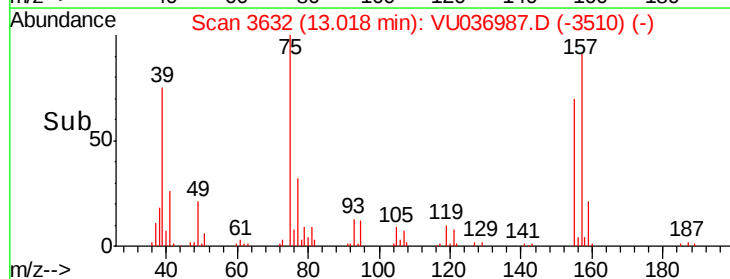
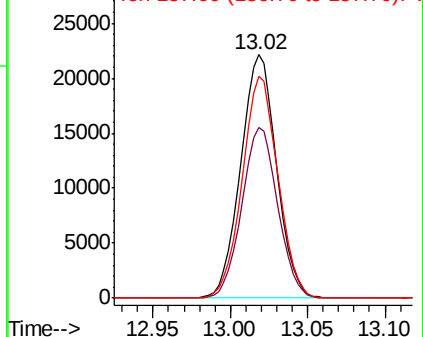


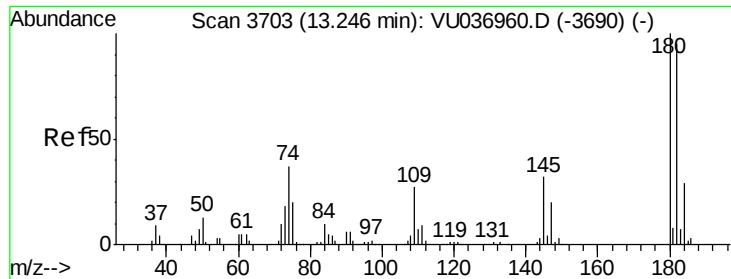
Abundance

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

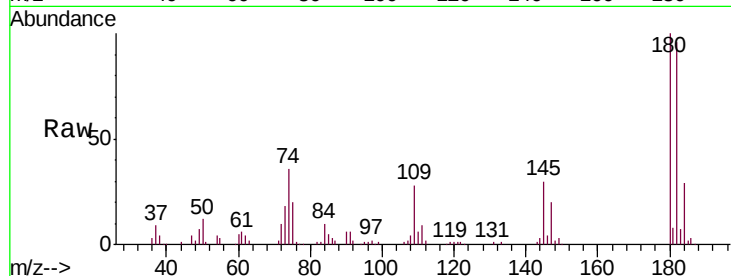




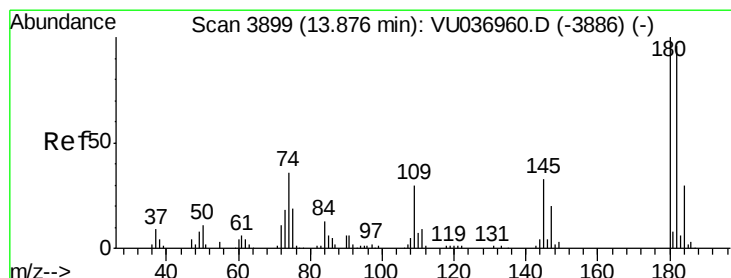
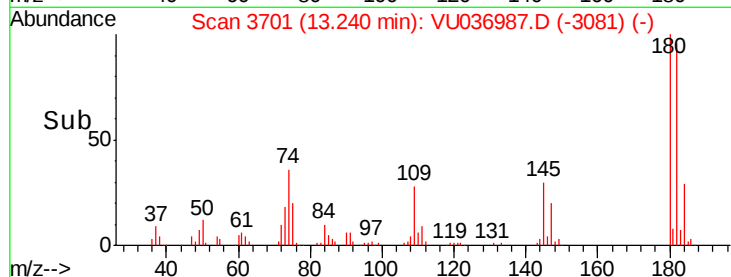
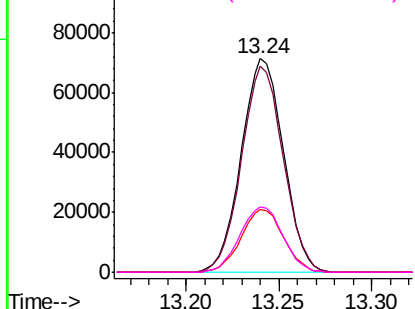
#67
 1,3,5-Trichlorobenzene
 Concen: 49.533 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05040

Tgt Ion:180 Resp: 112754
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.9 115.3
 184 29.6 24.2 36.2
 145 31.1 25.3 37.9

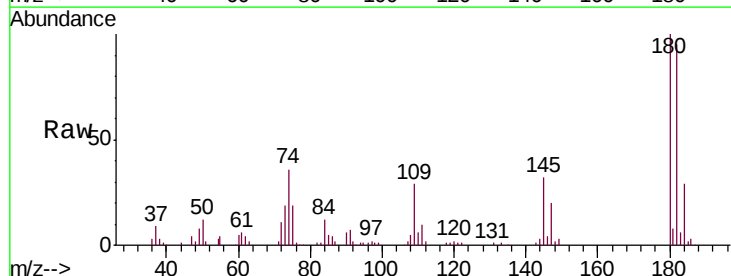


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

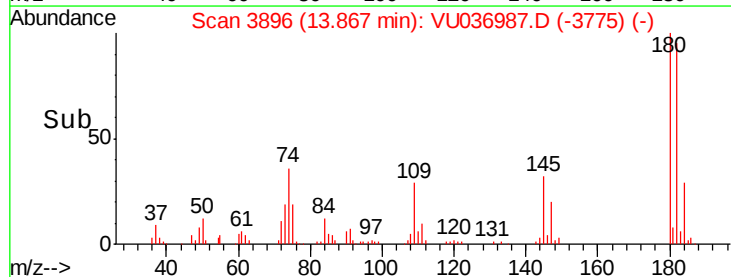
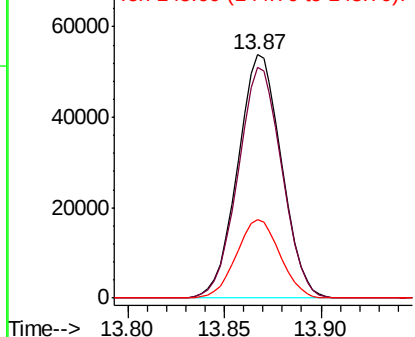


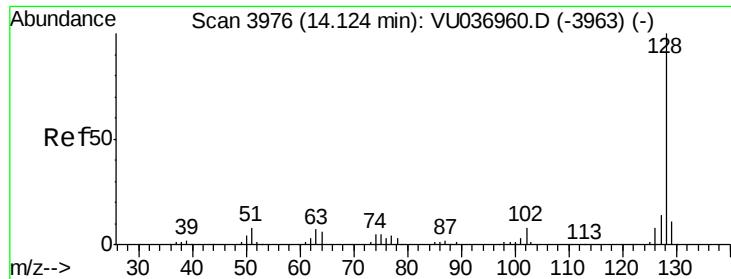
#68
 1,2,4-trichlorobenzene
 Concen: 49.663 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU036987.D
 Acq: 28 Feb 2020 20:48

Tgt Ion:180 Resp: 84699
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.3 112.9
 145 32.2 26.2 39.4



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: 44.344 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

VSTD05040

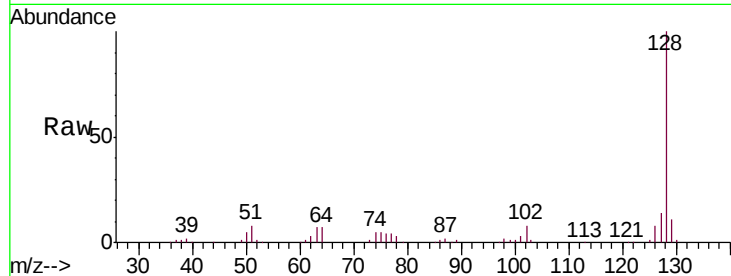
Tgt Ion:128 Resp: 133504

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.4

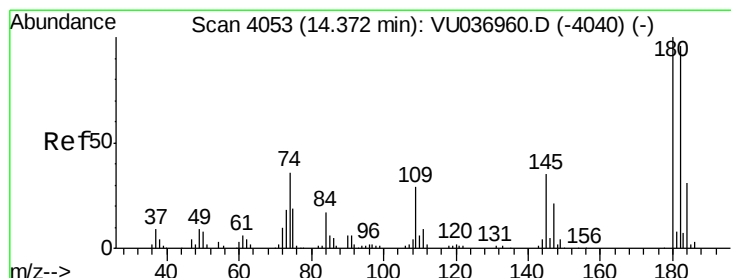
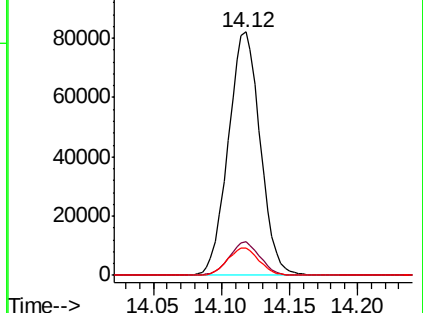
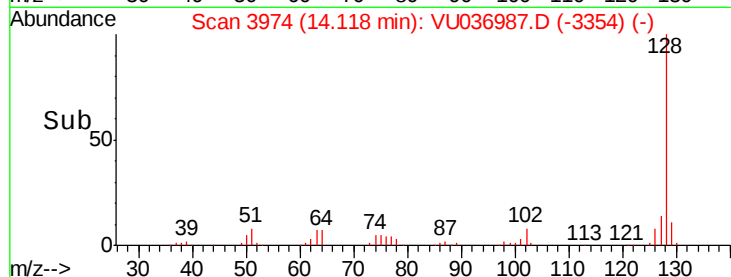
129 11.2 8.6 12.8



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: 50.344 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU036987.D

Acq: 28 Feb 2020 20:48

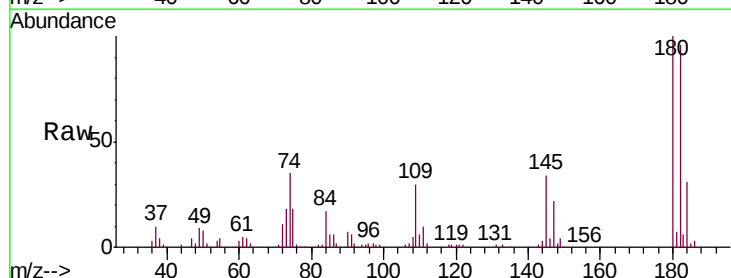
Tgt Ion:180 Resp: 85800

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.6

145 33.8 28.1 42.1



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

