

Data File : VU036960.D
Acq On : 28 Feb 2020 09:41
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

Quant Time: Feb 29 00:28:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 22:00:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	268473	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	255366	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	112636	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92598	41.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.14%
7) Chloroethane-d5	1.93	69	81556	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.44%
11) 1,1-Dichloroethene-d2	2.59	63	168511	44.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.26%
21) 2-Butanone-d5	4.67	46	142725	94.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.38%
24) Chloroform-d	5.11	84	166533	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
26) 1,2-Dichloroethane-d4	5.74	65	108326	46.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.98%
32) Benzene-d6	5.76	84	344039	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
36) 1,2-Dichloropropane-d6	6.73	67	111213	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.92	98	321763	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	8.20	79	50840	45.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.46%
47) 2-Hexanone-d5	8.66	63	107071	91.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.53%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	159930	47.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.82%
64) 1,2-Dichlorobenzene-d4	12.21	152	103246	46.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	120324	52.838	ug/L 100
3) Chloromethane	1.54	50	130159	49.681	ug/L 99
5) Vinyl chloride	1.62	62	140187	51.876	ug/L 100
6) Bromomethane	1.87	94	74957	54.063	ug/L 99
8) Chloroethane	1.95	64	84504	52.167	ug/L 99
9) Trichlorofluoromethane	2.16	101	155002	54.082	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	93883	54.759	ug/L 100
12) 1,1-Dichloroethene	2.61	96	88522	51.049	ug/L 84
13) Acetone	2.65	43	183916	118.231	ug/L 99
14) Carbon disulfide	2.82	76	274366	50.008	ug/L 99
15) Methyl Acetate	2.98	43	120717	50.913	ug/L 99
16) Methylene chloride	3.08	84	108528	51.312	ug/L 100
17) trans-1,2-Dichloroethene	3.39	96	95371	51.197	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	305818	50.504	ug/L 100
19) 1,1-Dichloroethane	3.91	63	186672	51.572	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	107326	51.527	ug/L 100
22) 2-Butanone	4.75	43	207024	110.365	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	50537	53.575	ug/L	97
25) Chloroform	5.13	83	180658	51.728	ug/L	100
27) 1,2-Dichloroethane	5.83	62	148092	52.084	ug/L	100
29) Cyclohexane	5.43	56	171635	50.649	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	145295	53.068	ug/L	100
31) Carbon tetrachloride	5.56	117	112333	52.345	ug/L	99
33) Benzene	5.81	78	420503	52.124	ug/L	100
34) Trichloroethene	6.57	95	104073	52.487	ug/L	99
35) Methylcyclohexane	6.80	83	179681	52.265	ug/L	100
37) 1,2-Dichloropropane	6.83	63	111621	51.386	ug/L	99
38) Bromodichloromethane	7.14	83	134418	52.425	ug/L	97
39) cis-1,3-Dichloropropene	7.64	75	170764	51.034	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	322375	100.719	ug/L	100
42) Toluene	8.00	91	449393	52.286	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	147852	50.937	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	100210	51.878	ug/L	98
46) Tetrachloroethene	8.58	164	67215	51.457	ug/L	97
48) 2-Hexanone	8.71	43	276521	108.262	ug/L	100
49) Dibromochloromethane	8.83	129	94671	51.636	ug/L	98
50) 1,2-Dibromoethane	8.95	107	104695	51.831	ug/L	100
51) Chlorobenzene	9.47	112	259714	50.998	ug/L	99
52) Ethylbenzene	9.59	91	480813	51.604	ug/L	100
53) m,p-Xylene	9.72	106	180595	52.840	ug/L	99
54) o-xylene	10.12	106	174905	51.310	ug/L	100
55) Styrene	10.13	104	294108	52.779	ug/L	97
56) Isopropylbenzene	10.50	105	452396	51.671	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	176099	50.994	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	144000	51.532	ug/L	98
61) Bromoform	10.31	173	64739	50.838	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	187895	51.423	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	186711	51.720	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	187955	51.518	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	37147	51.323	ug/L	98
67) 1,3,5-Trichlorobenzene	13.25	180	124027	53.477	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	90344	51.992	ug/L	98
69) Naphthalene	14.12	128	139555	45.496	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	91126	52.479	ug/L	99

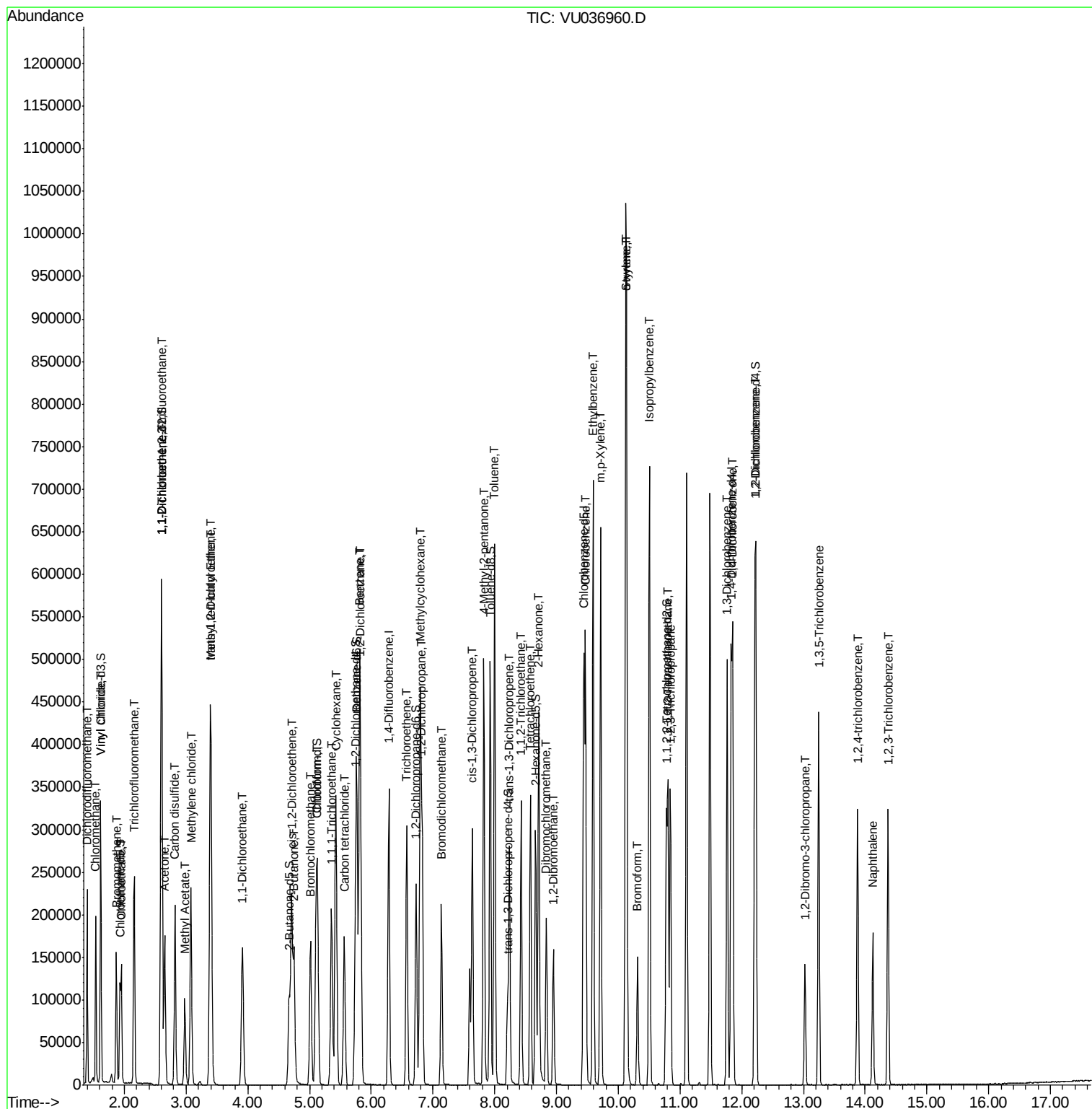
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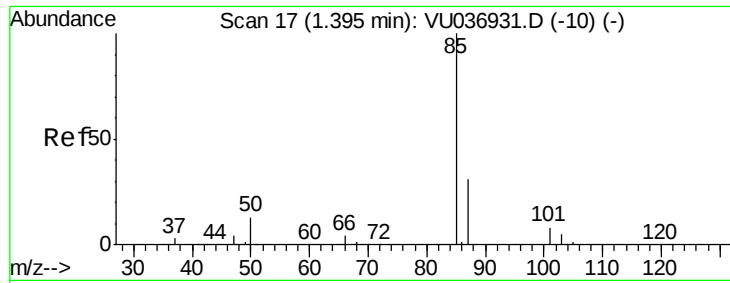
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#2

Dichlorodifluoromethane

Concen: 52.838 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

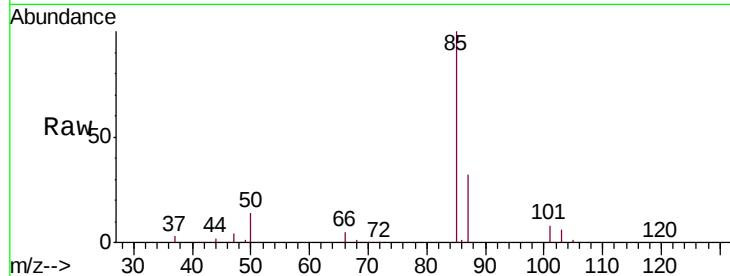
VSTD05039

Tgt Ion: 85 Resp: 120324

Ion Ratio Lower Upper

85 100

87 32.5 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU036960.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU036960.D (-1) (-)

1.39

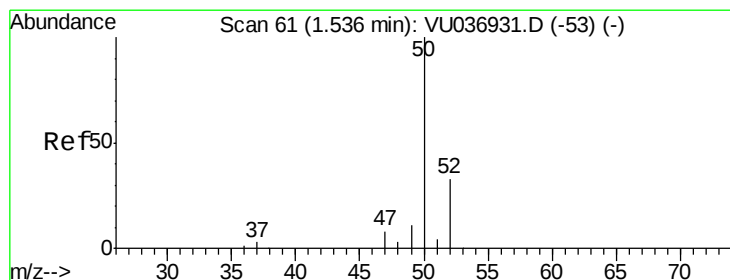
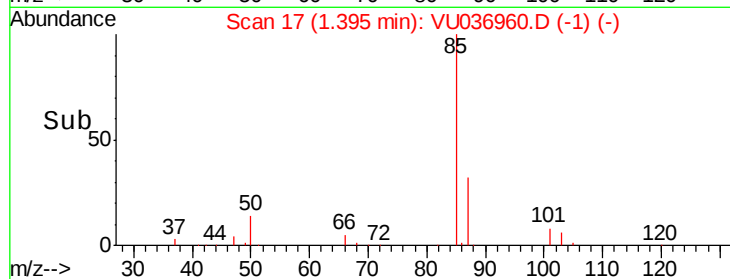
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 49.681 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036960.D

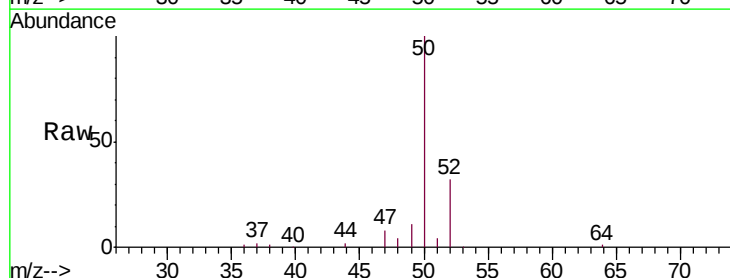
Acq: 28 Feb 2020 09:41

Tgt Ion: 50 Resp: 130159

Ion Ratio Lower Upper

50 100

52 32.4 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU036960.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036960.D (-1) (-)

1.54

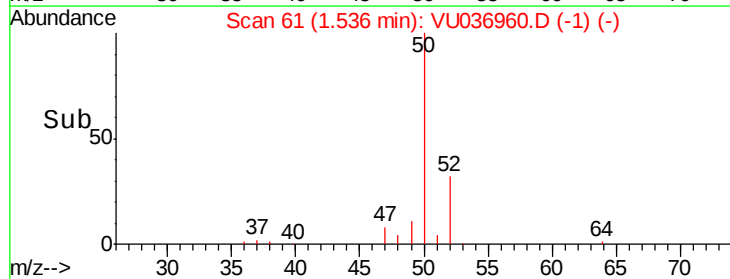
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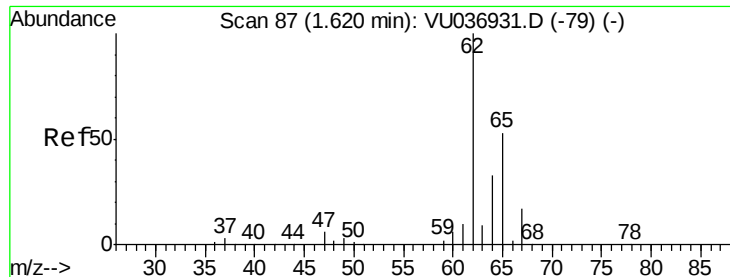
50000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 51.876 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

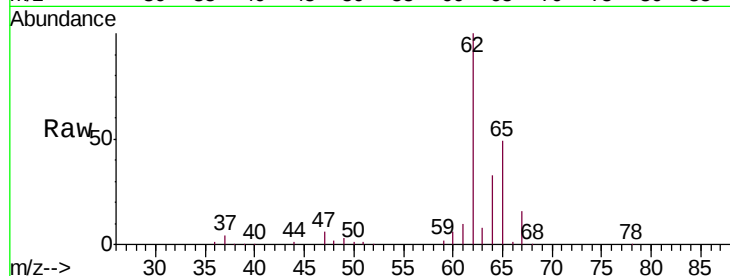
VSTD05039

Tgt Ion: 62 Resp: 140187

Ion Ratio Lower Upper

62 100

64 33.3 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU036931.D (-79) (-)

Ion 64.00 (63.70 to 64.70): VU036960.D (-72) (-)

1.62

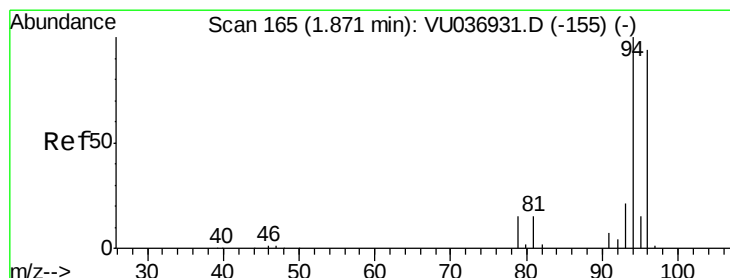
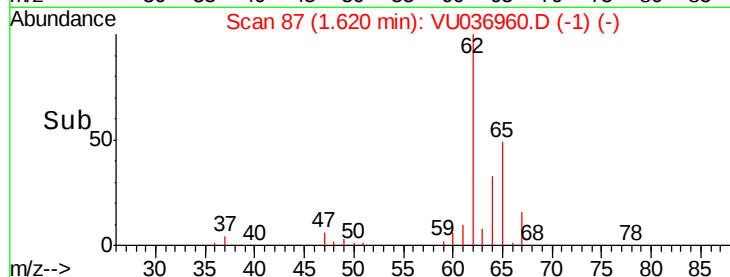
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 54.063 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036960.D

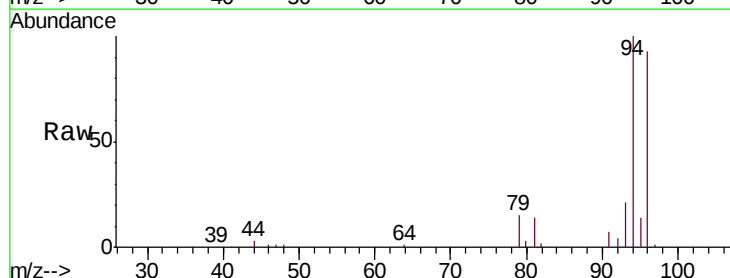
Acq: 28 Feb 2020 09:41

Tgt Ion: 94 Resp: 74957

Ion Ratio Lower Upper

94 100

96 93.2 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU036931.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036960.D (-72) (-)

1.87

60000

50000

40000

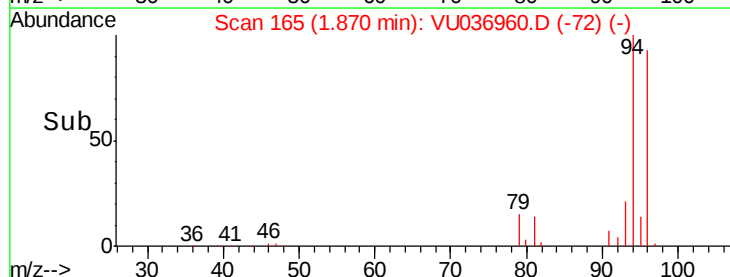
30000

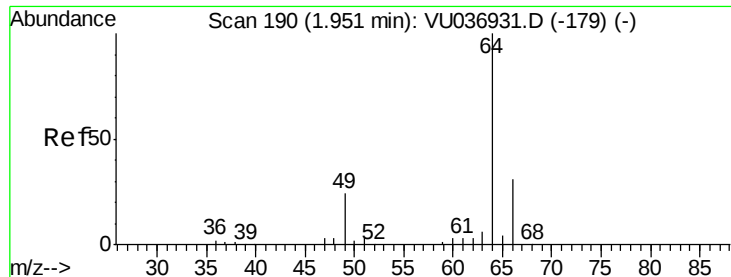
20000

10000

0

Time-->





#8

Chloroethane

Concen: 52.167 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

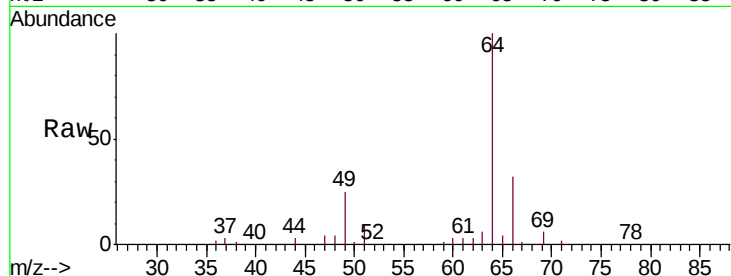
VSTD05039

Tgt Ion: 64 Resp: 84504

Ion Ratio Lower Upper

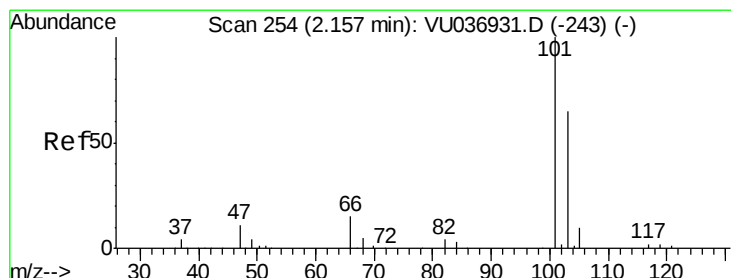
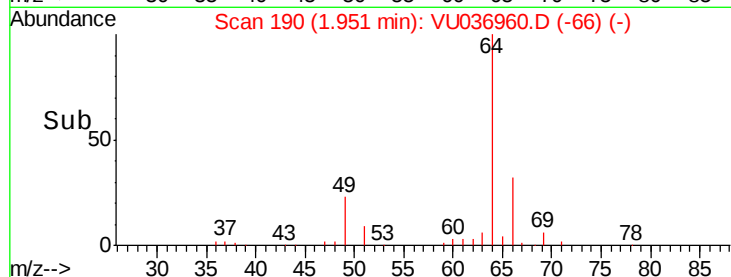
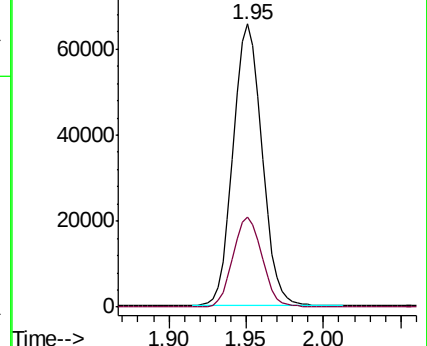
64 100

66 31.9 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VU036931.D (-179) (-)

Ion 66.00 (65.70 to 66.70): VU036960.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 54.082 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036960.D

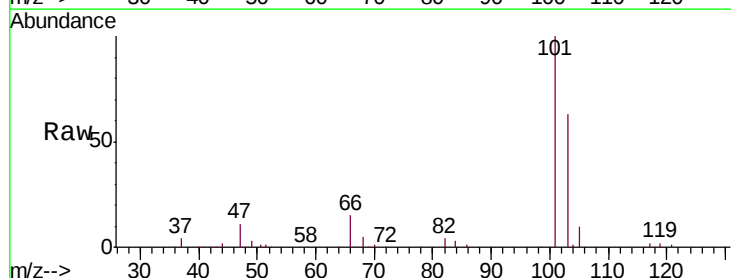
Acq: 28 Feb 2020 09:41

Tgt Ion: 101 Resp: 155002

Ion Ratio Lower Upper

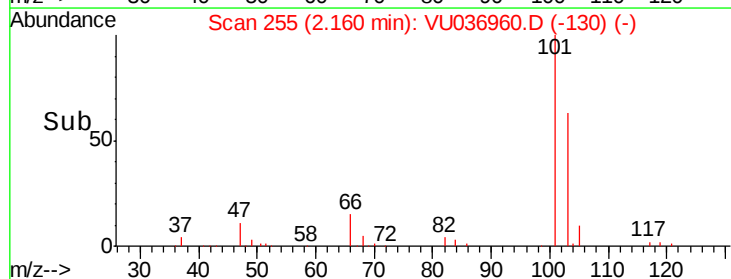
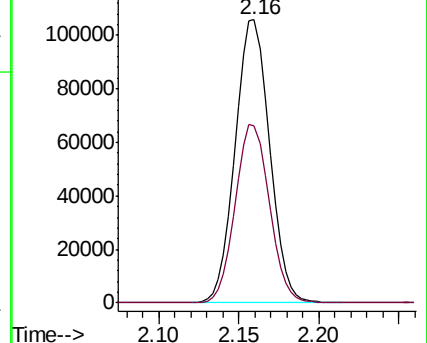
101 100

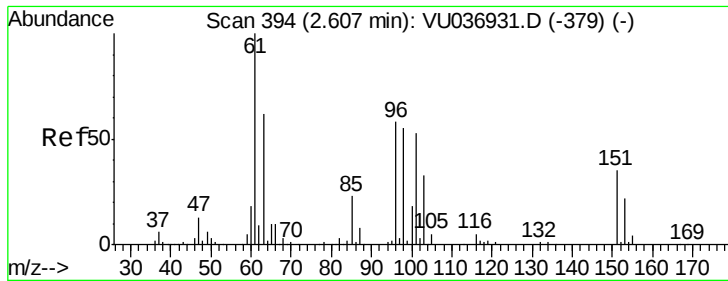
103 62.6 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VU036931.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036960.D (-130) (-)





#10

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

Concen: 54.759 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

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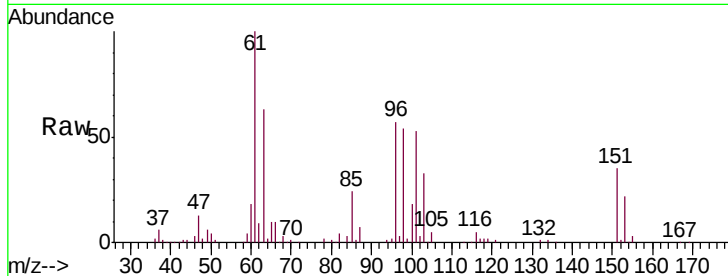
Tgt Ion:101 Resp: 93883

Ion Ratio Lower Upper

101 100

85 45.4 36.4 54.6

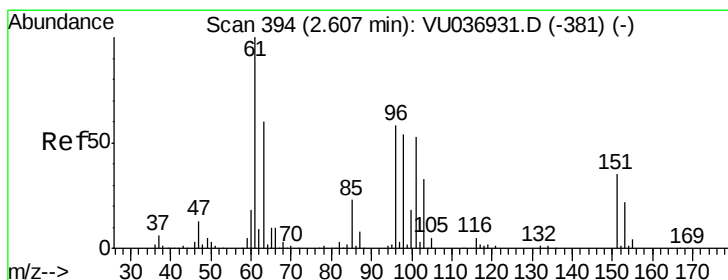
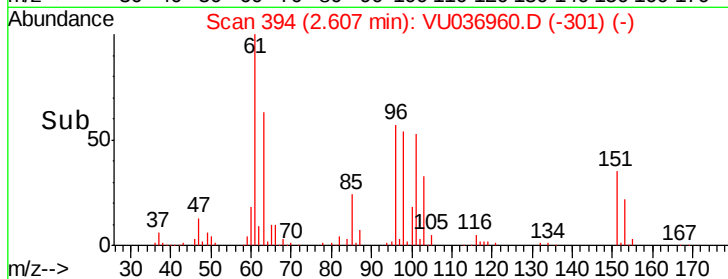
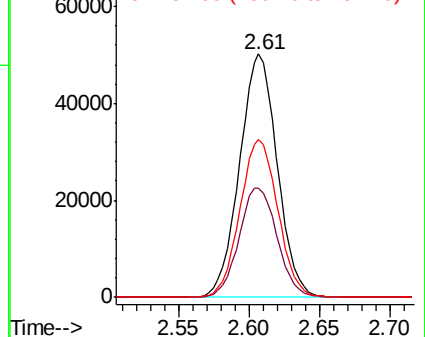
151 65.5 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 51.049 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

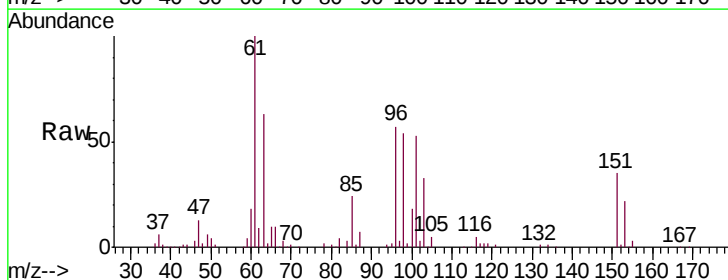
Tgt Ion: 96 Resp: 88522

Ion Ratio Lower Upper

96 100

61 174.6 127.5 236.7

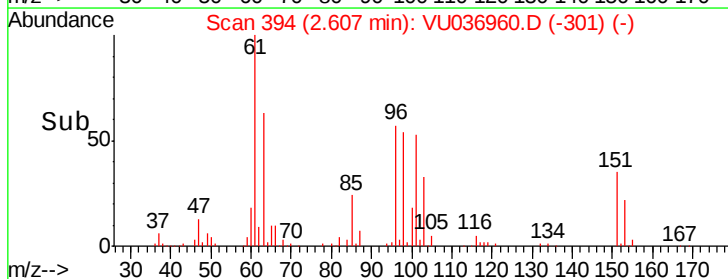
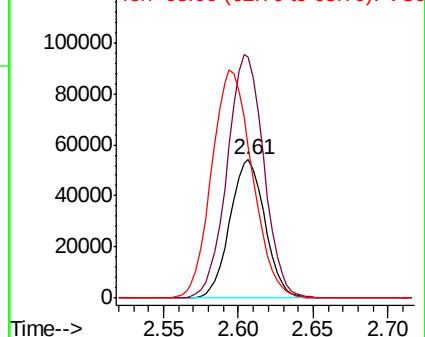
63 109.5 101.4 188.2

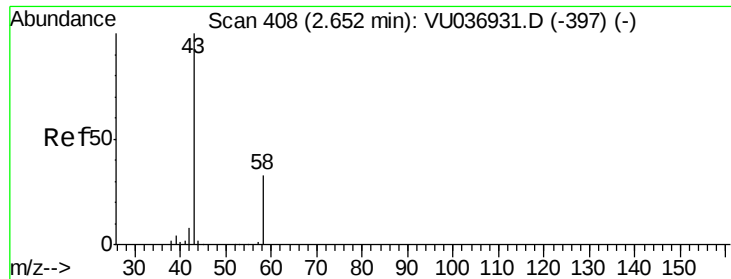


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 118.231 ug/L

RT: 2.65 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

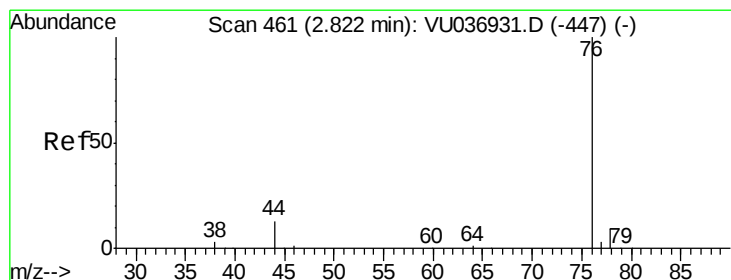
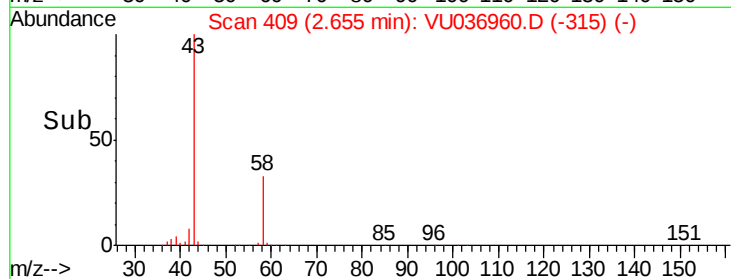
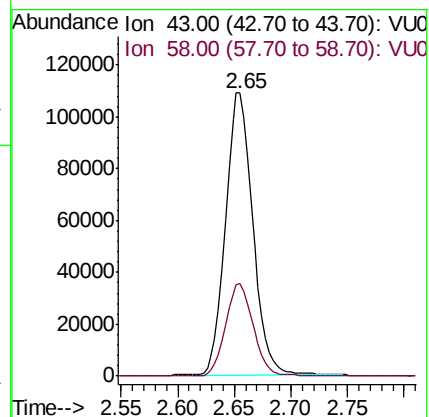
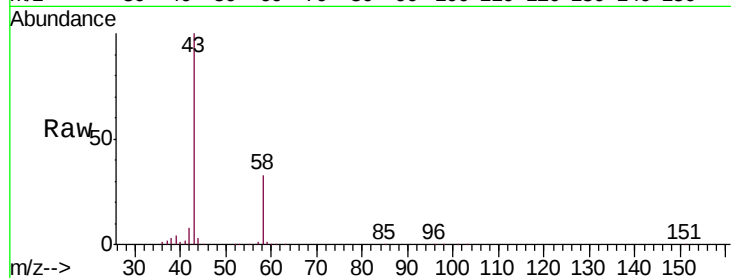
VSTD05039

Tgt Ion: 43 Resp: 183916

Ion Ratio Lower Upper

43 100

58 33.0 0.0 64.6



#14

Carbon disulfide

Concen: 50.008 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU036960.D

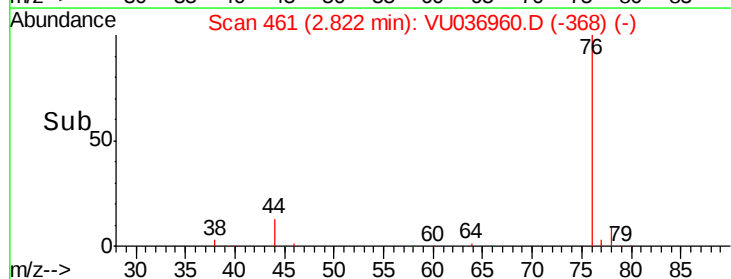
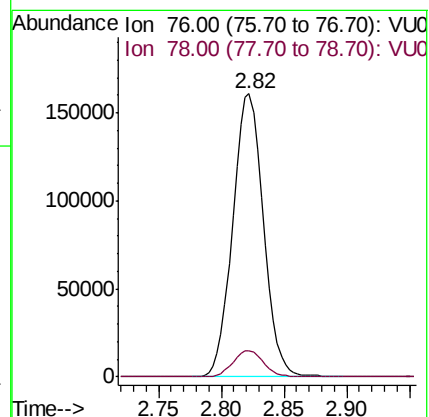
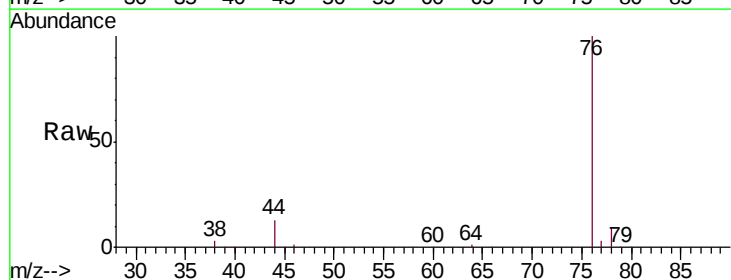
Acq: 28 Feb 2020 09:41

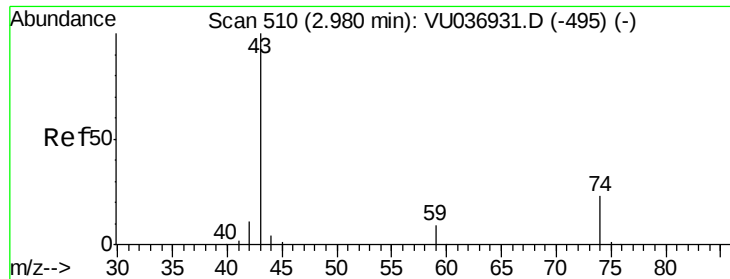
Tgt Ion: 76 Resp: 274366

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

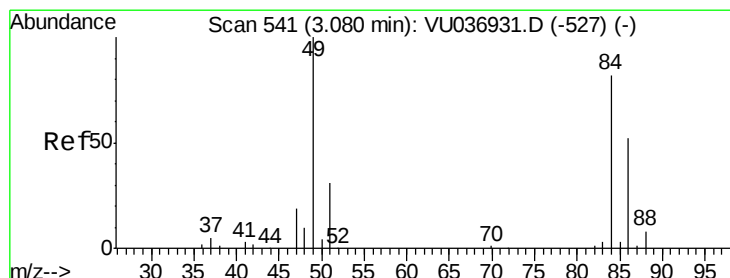
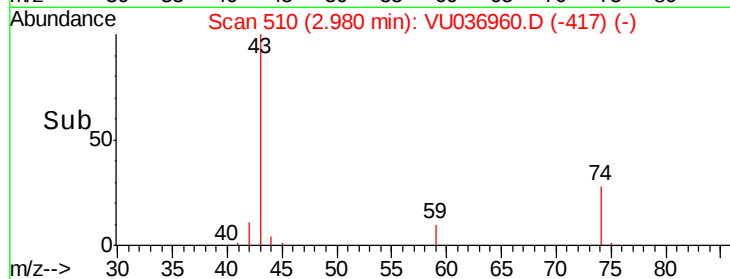
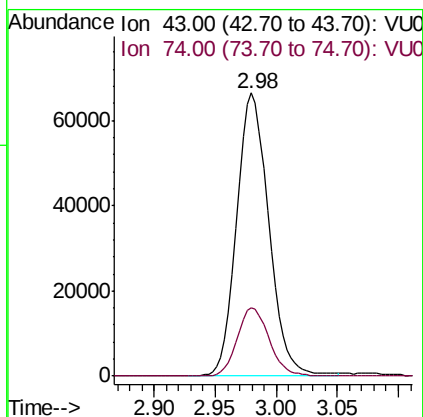
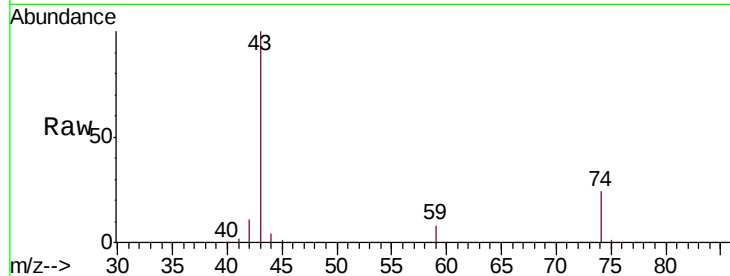




#15
Methyl Acetate
Concen: 50.913 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

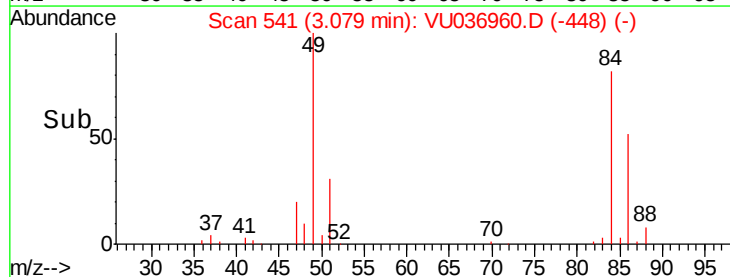
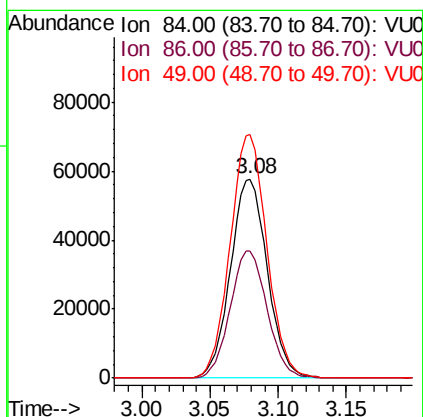
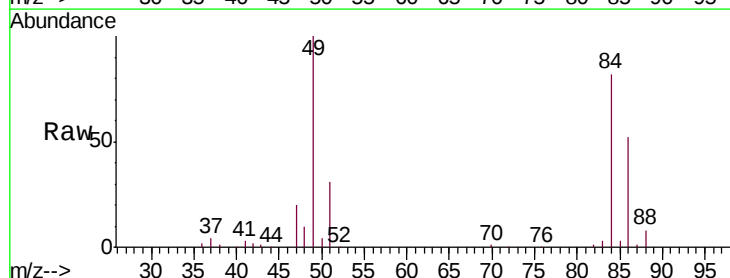
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

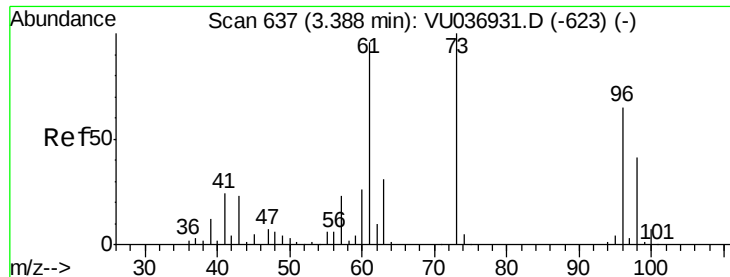
Tgt Ion: 43 Resp: 120717
Ion Ratio Lower Upper
43 100
74 24.1 19.0 28.4



#16
Methylene chloride
Concen: 51.312 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

Tgt Ion: 84 Resp: 108528
Ion Ratio Lower Upper
84 100
86 64.2 44.4 82.5
49 122.5 85.9 159.5





#17

trans-1,2-Dichloroethene

Concen: 51.197 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

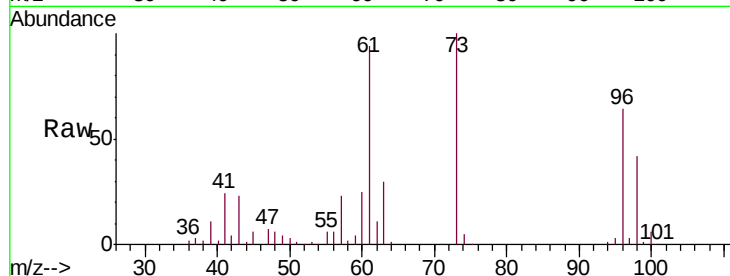
Tgt Ion: 96 Resp: 95371

Ion Ratio Lower Upper

96 100

61 146.3 103.8 192.8

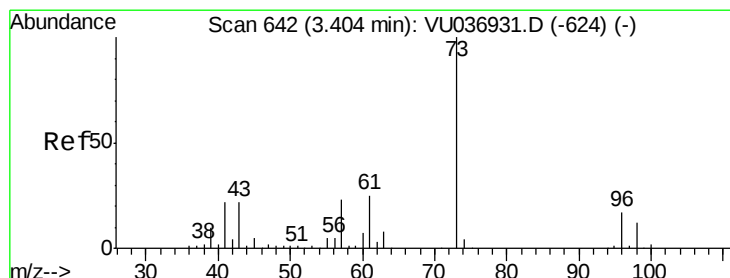
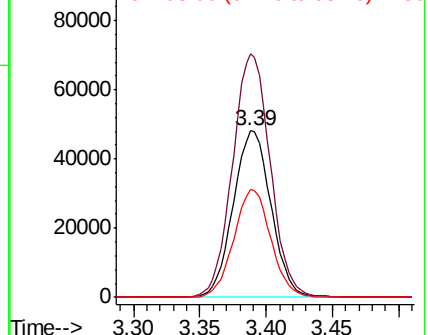
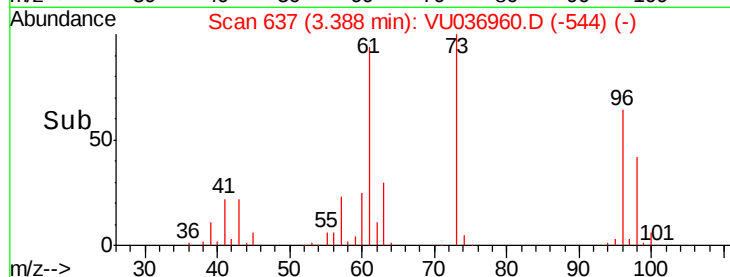
98 64.8 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VU036960.D (-544) (-)

Ion 61.00 (60.70 to 61.70): VU036960.D (-544) (-)

Ion 98.00 (97.70 to 98.70): VU036960.D (-544) (-)



#18

Methyl tert-butyl Ether

Concen: 50.504 ug/L

RT: 3.40 min Scan# 642

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

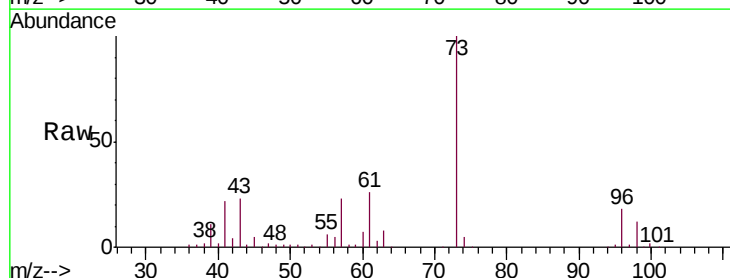
Tgt Ion: 73 Resp: 305818

Ion Ratio Lower Upper

73 100

43 22.6 18.1 27.1

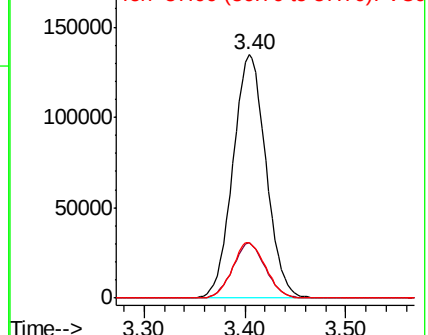
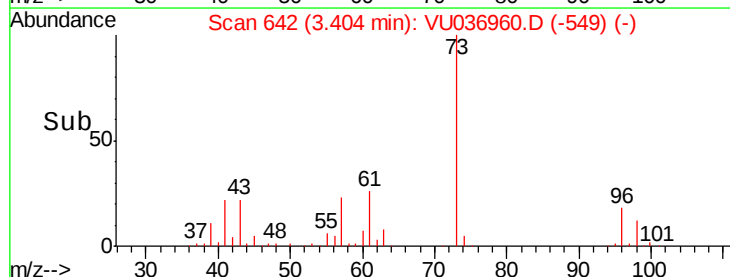
57 22.9 18.4 27.6

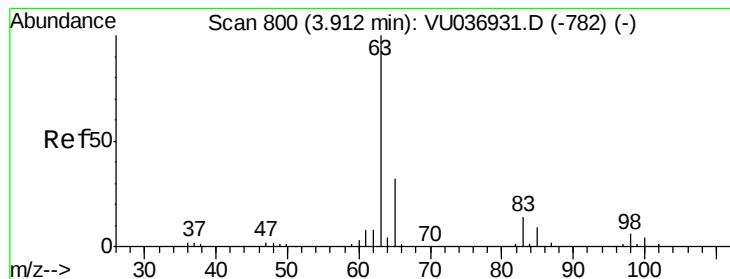


Abundance Ion 73.00 (72.70 to 73.70): VU036960.D (-549) (-)

Ion 43.00 (42.70 to 43.70): VU036960.D (-549) (-)

Ion 57.00 (56.70 to 57.70): VU036960.D (-549) (-)





#19

1,1-Dichloroethane

Concen: 51.572 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

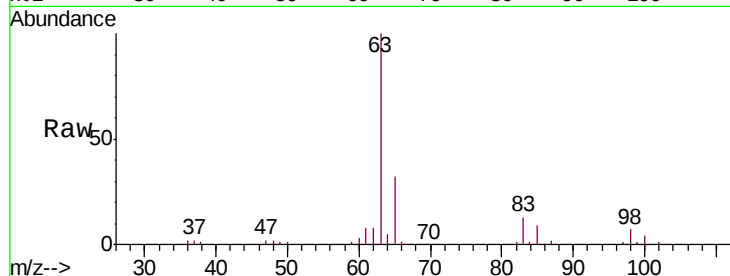
Tgt Ion: 63 Resp: 186672

Ion Ratio Lower Upper

63 100

65 31.7 21.3 39.5

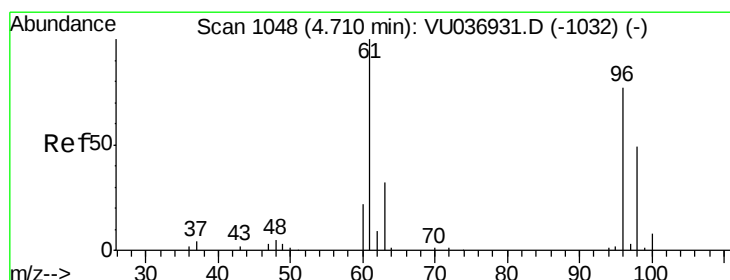
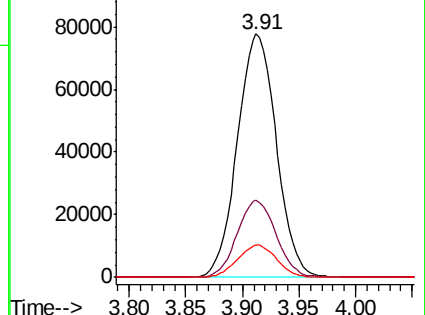
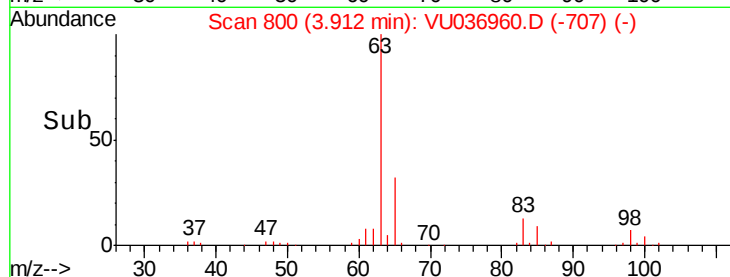
83 13.5 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VU036960.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU036960.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU036960.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.527 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

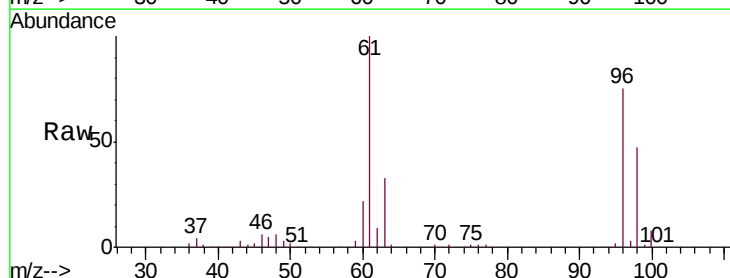
Tgt Ion: 96 Resp: 107326

Ion Ratio Lower Upper

96 100

61 133.3 93.1 172.9

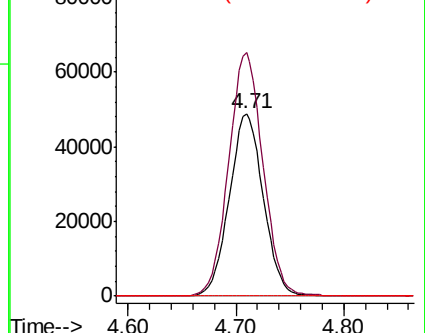
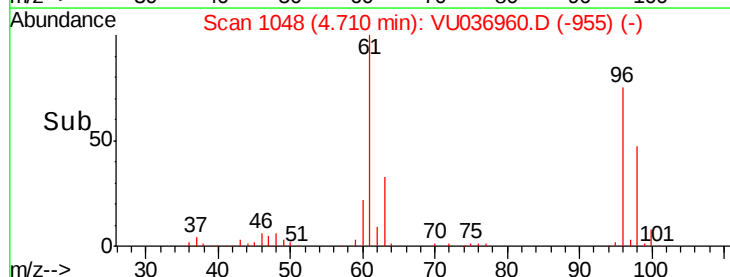
68 0.0 0.0 0.0

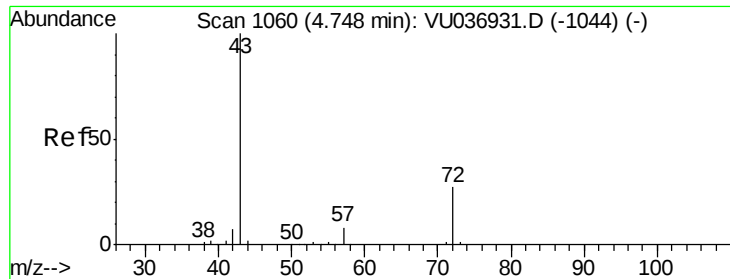


Abundance Ion 96.00 (95.70 to 96.70): VU036960.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU036960.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU036960.D (-955) (-)





#22

2-Butanone

Concen: 110.365 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

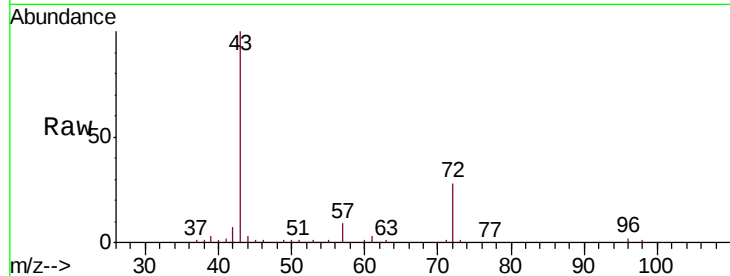
VSTD05039

Tgt Ion: 43 Resp: 207024

Ion Ratio Lower Upper

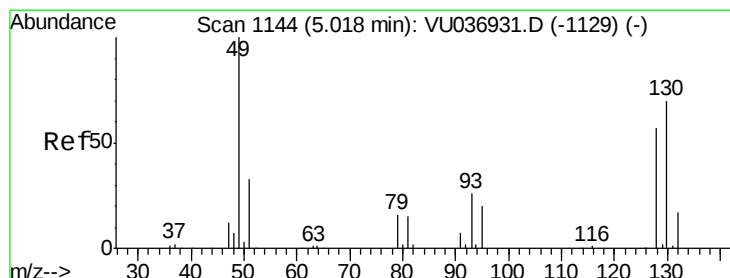
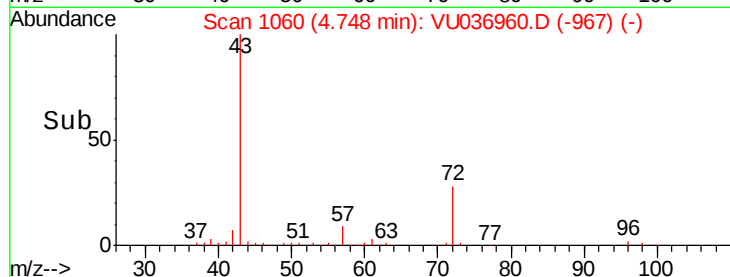
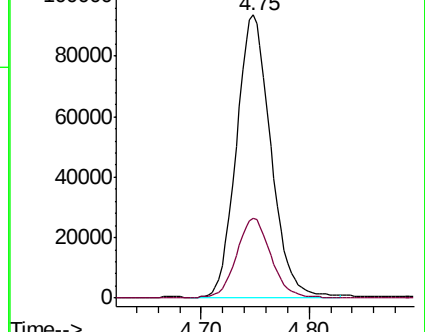
43 100

72 28.6 13.9 41.6



Abundance Ion 43.00 (42.70 to 43.70): VU036960.D (-967) (-)

Ion 72.00 (71.70 to 72.70): VU036960.D (-967) (-)



#23

Bromochloromethane

Concen: 53.575 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Tgt Ion: 128 Resp: 50537

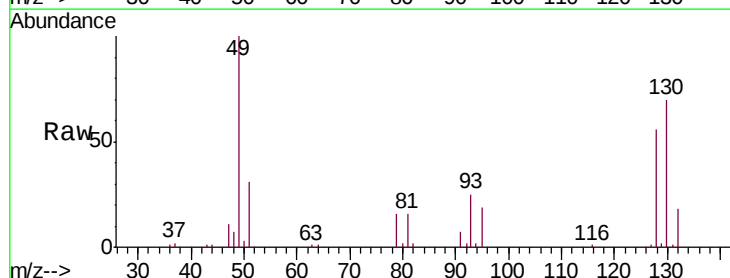
Ion Ratio Lower Upper

128 100

49 178.2 126.5 234.9

130 125.3 86.0 159.8

51 54.5 47.3 70.9

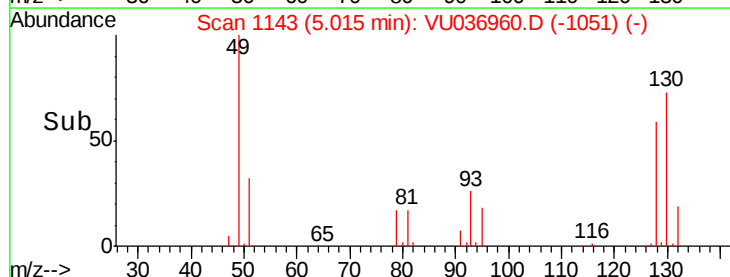
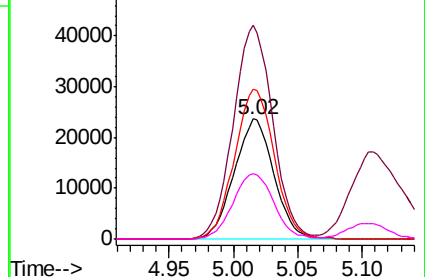


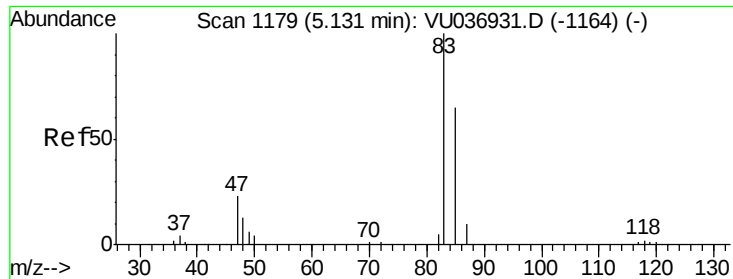
Abundance Ion 128.00 (127.70 to 128.70): VU036960.D (-1051) (-)

Ion 49.00 (48.70 to 49.70): VU036960.D (-1051) (-)

Ion 130.00 (129.70 to 130.70): VU036960.D (-1051) (-)

Ion 51.00 (50.70 to 51.70): VU036960.D (-1051) (-)

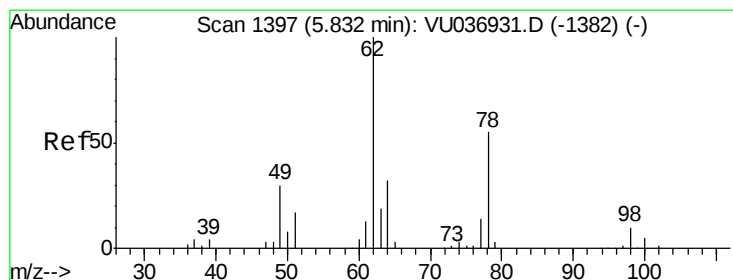
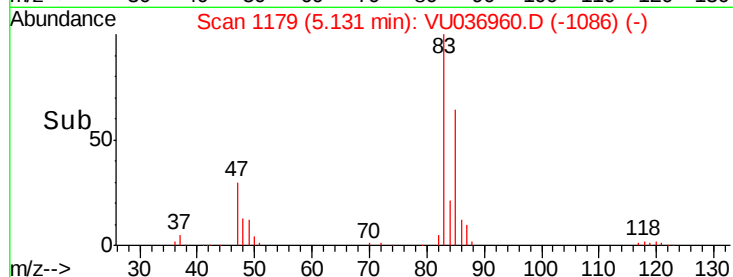
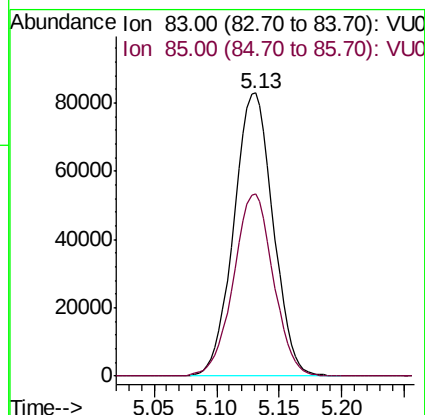
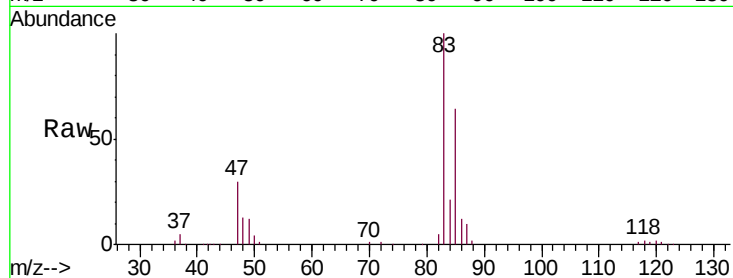




#25
Chloroform
Concen: 51.728 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

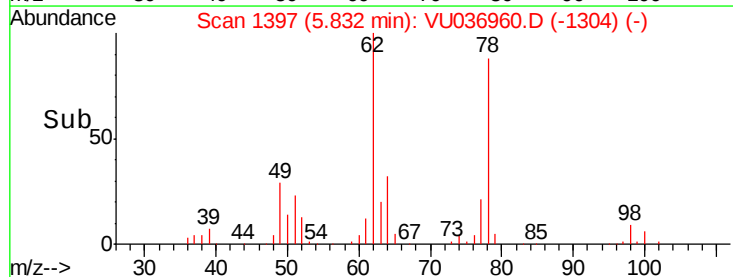
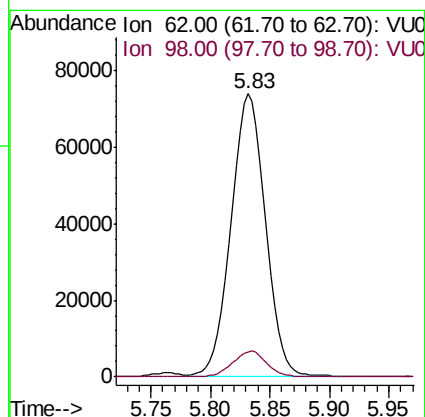
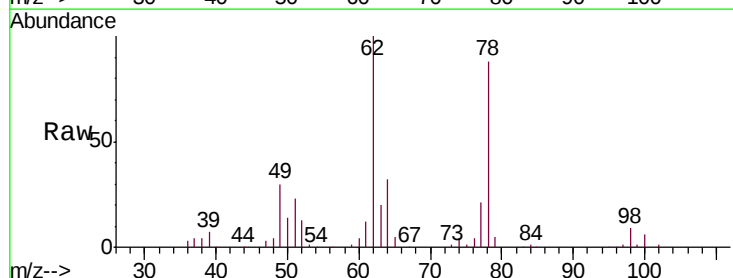
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

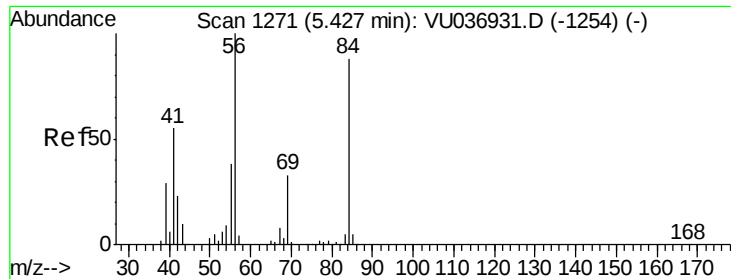
Tgt Ion: 83 Resp: 180658
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 52.084 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

Tgt Ion: 62 Resp: 148092
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

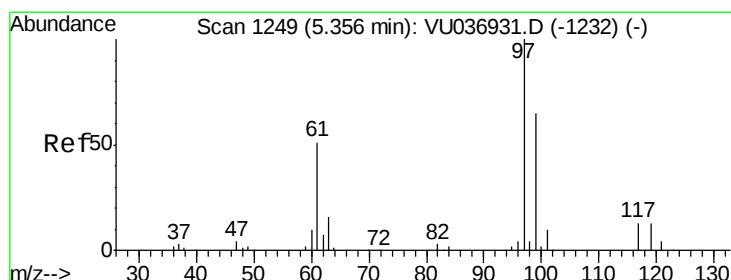
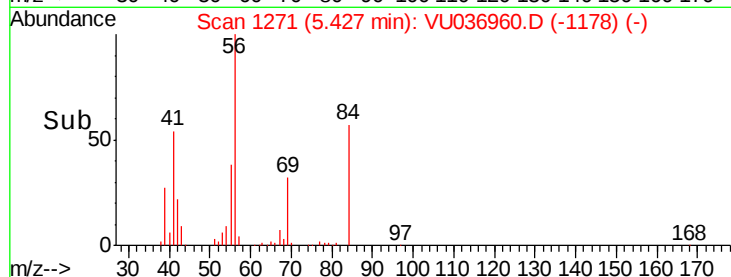
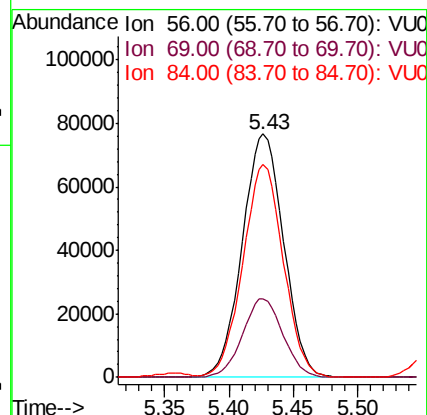
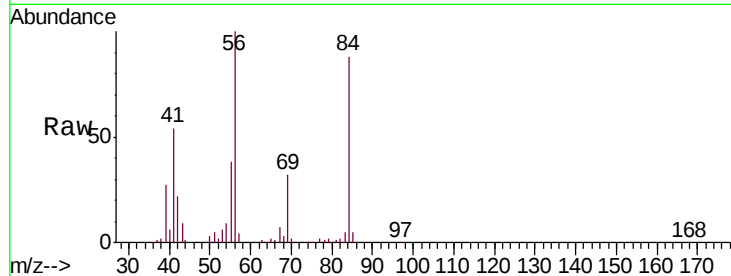




#29
Cyclohexane
Concen: 50.649 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

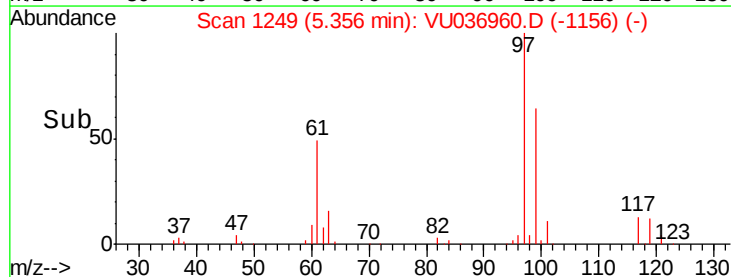
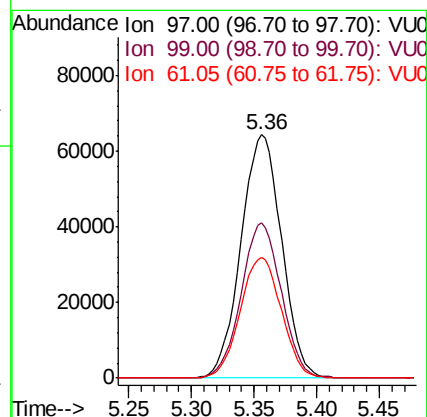
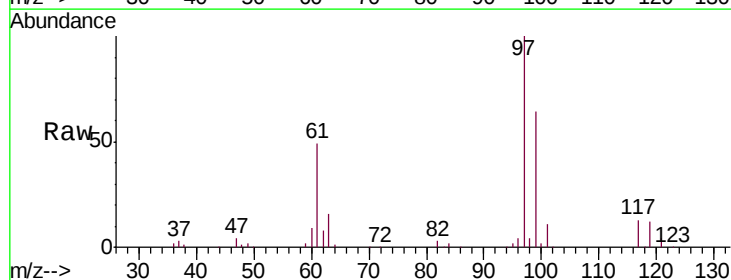
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

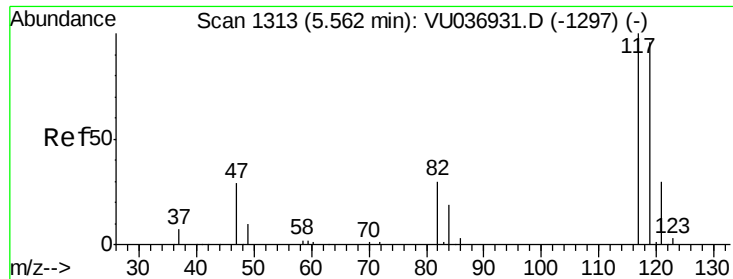
Tgt Ion: 56 Resp: 171635
Ion Ratio Lower Upper
56 100
69 31.4 24.6 37.0
84 85.5 67.0 100.4



#30
1,1,1-Trichloroethane
Concen: 53.068 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

Tgt Ion: 97 Resp: 145295
Ion Ratio Lower Upper
97 100
99 62.8 50.4 75.6
61 50.3 40.3 60.5





#31

Carbon tetrachloride

Concen: 52.345 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

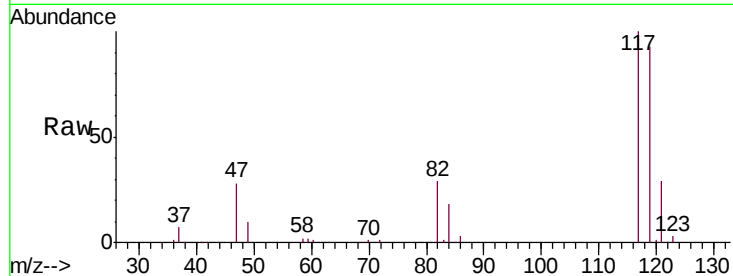
VSTD05039

Tgt Ion:117 Resp: 112333

Ion Ratio Lower Upper

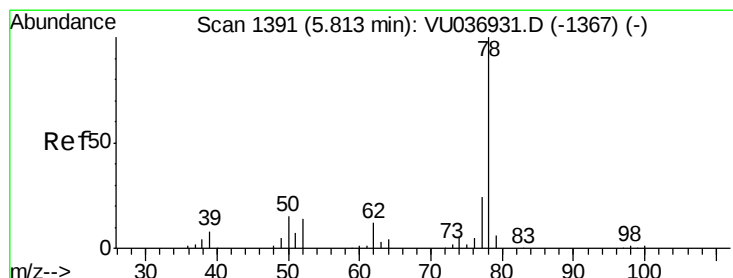
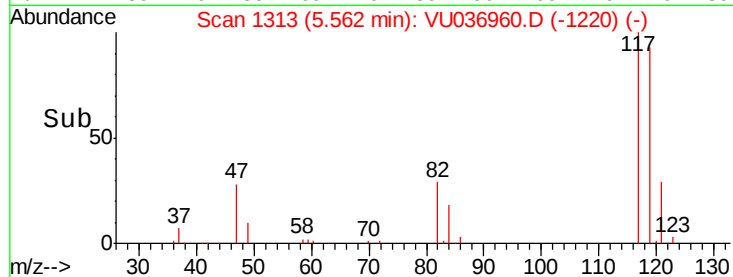
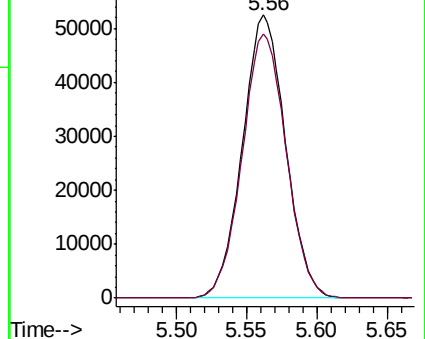
117 100

119 95.2 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: 52.124 ug/L

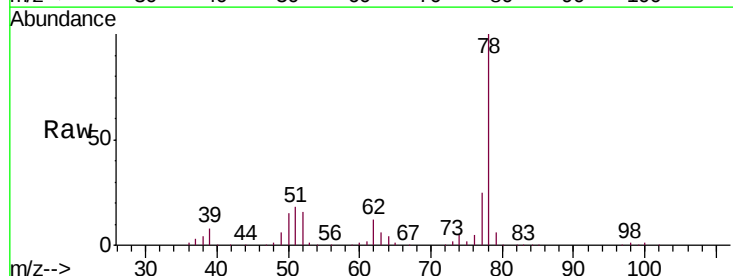
RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

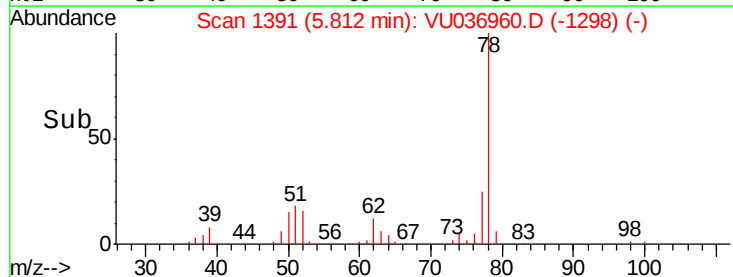
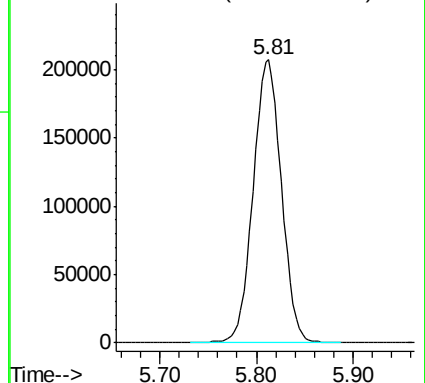
Lab File: VU036960.D

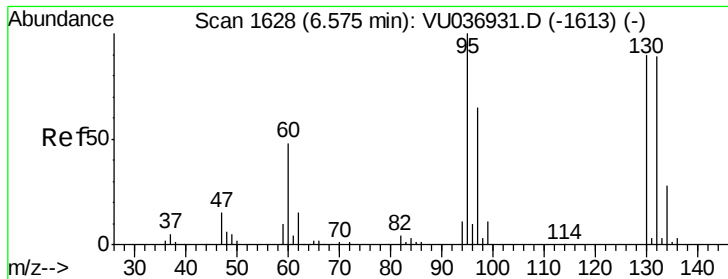
Acq: 28 Feb 2020 09:41

Tgt Ion: 78 Resp: 420503



Abundance Ion 78.00 (77.70 to 78.70): VU0

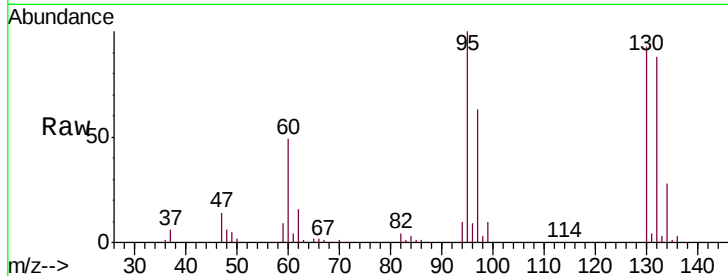




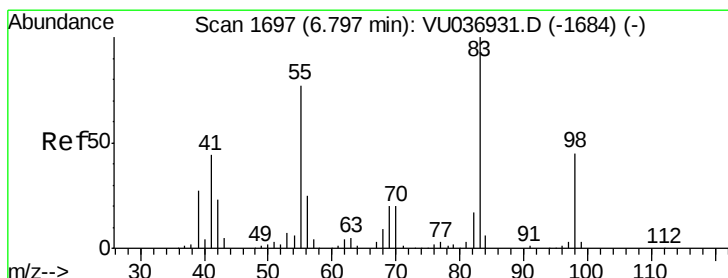
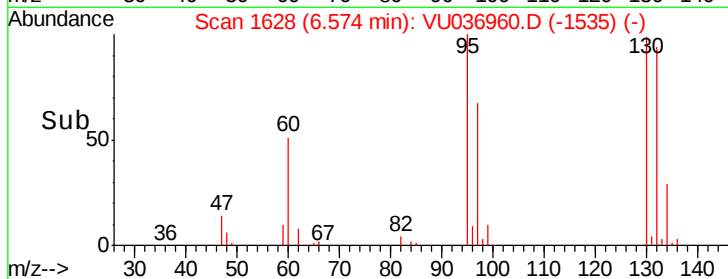
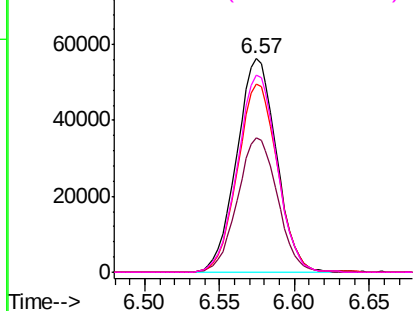
#34
 Trichloroethene
 Concen: 52.487 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

Tgt Ion: 95 Resp: 104073
 Ion Ratio Lower Upper
 95 100
 97 62.8 44.1 81.9
 132 88.3 60.6 112.6
 130 92.5 64.9 120.5

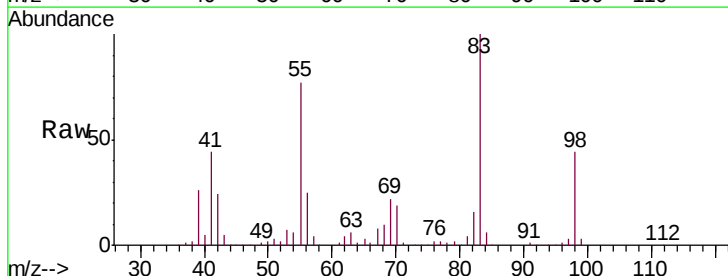


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

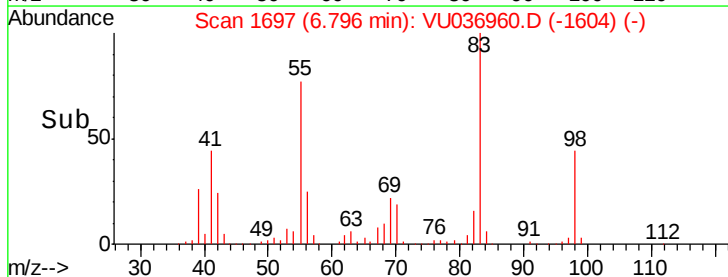
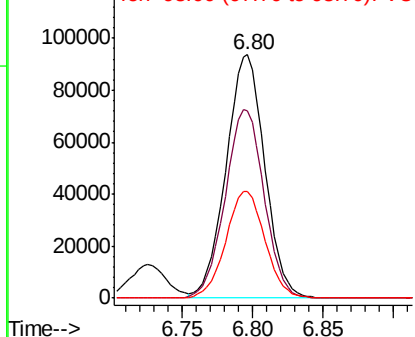


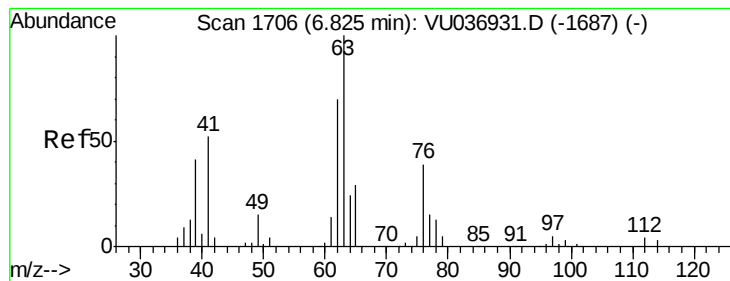
#35
 Methylcyclohexane
 Concen: 52.265 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

Tgt Ion: 83 Resp: 179681
 Ion Ratio Lower Upper
 83 100
 55 77.9 62.6 93.8
 98 44.4 35.1 52.7



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: 51.386 ug/L

RT: 6.83 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

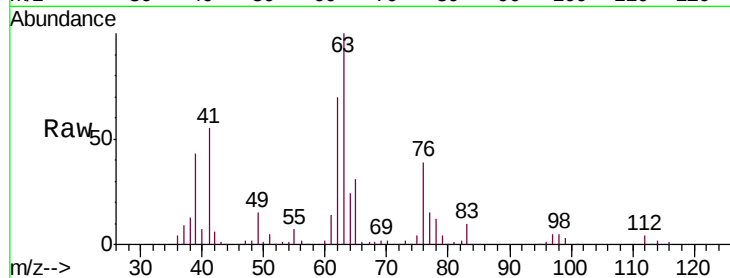
VSTD05039

Tgt Ion: 63 Resp: 111621

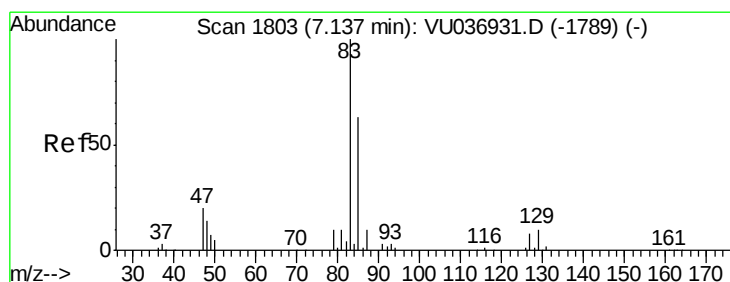
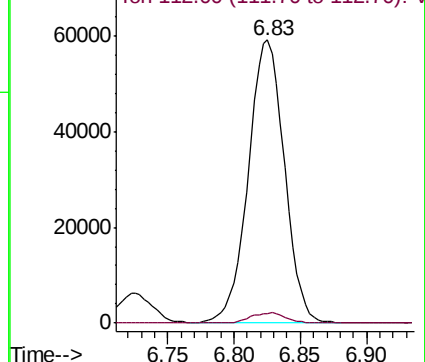
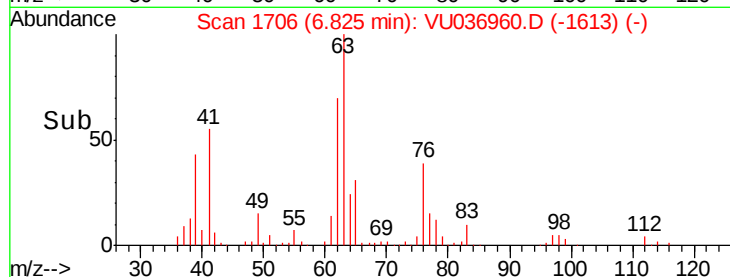
Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VU036960.D (-1613) (-)



#38

Bromodichloromethane

Concen: 52.425 ug/L

RT: 7.14 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

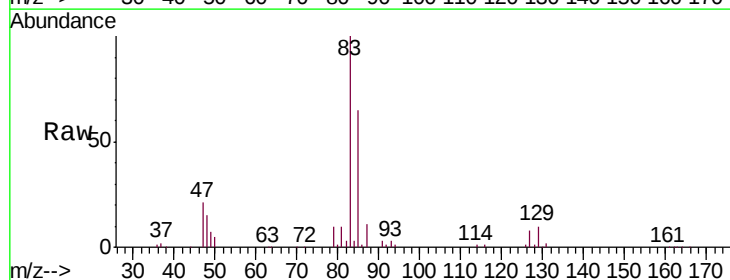
Tgt Ion: 83 Resp: 134418

Ion Ratio Lower Upper

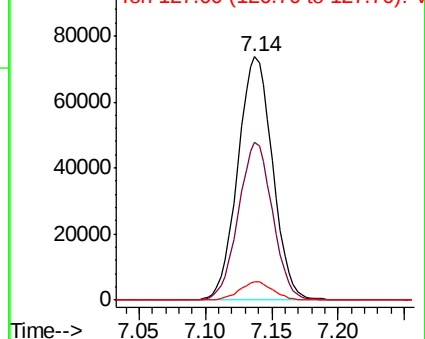
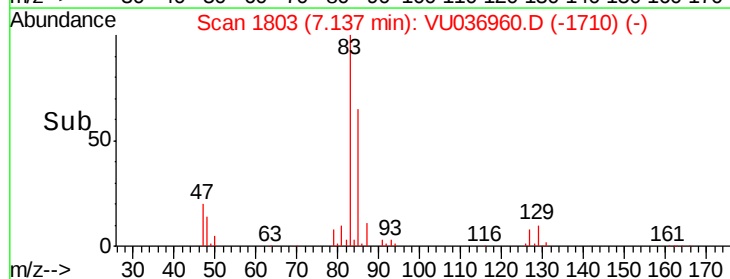
83 100

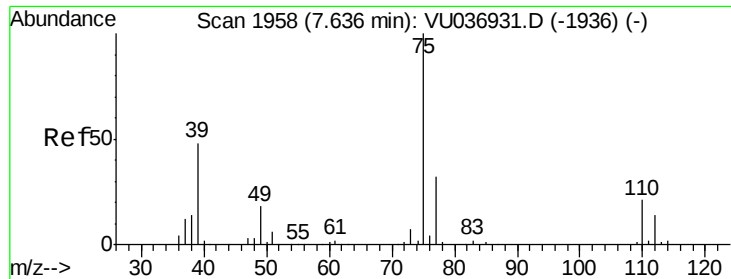
85 64.7 43.6 81.0

127 7.5 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VU036960.D (-1710) (-)

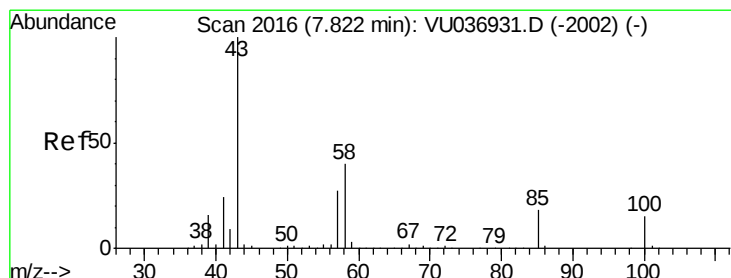
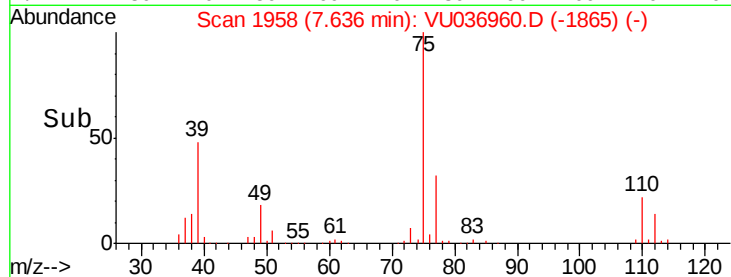
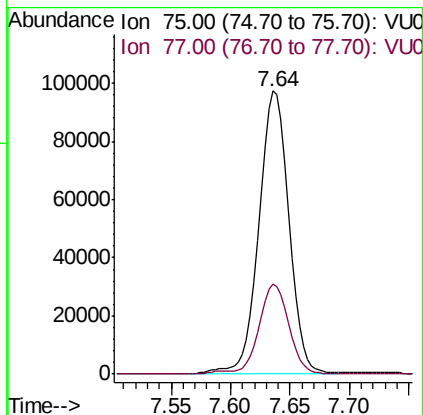
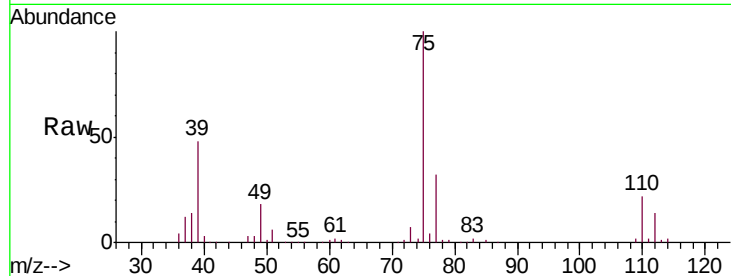




#39
 cis-1,3-Dichloropropene
 Concen: 51.034 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

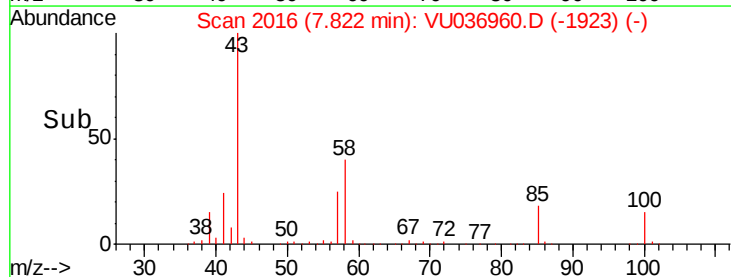
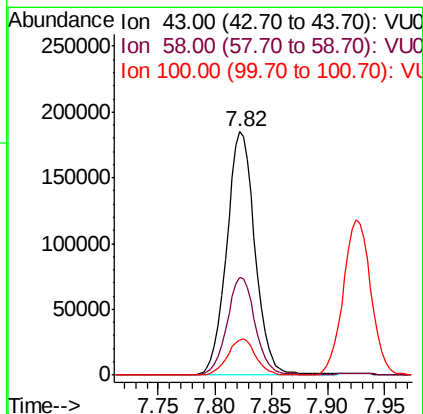
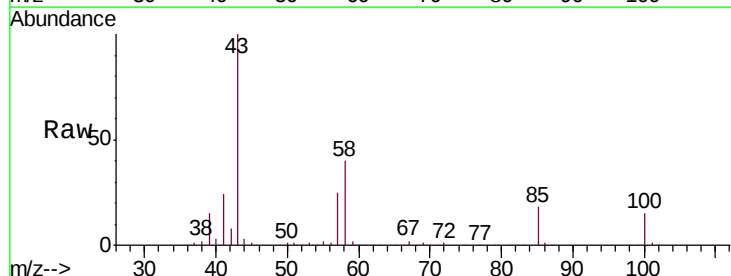
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

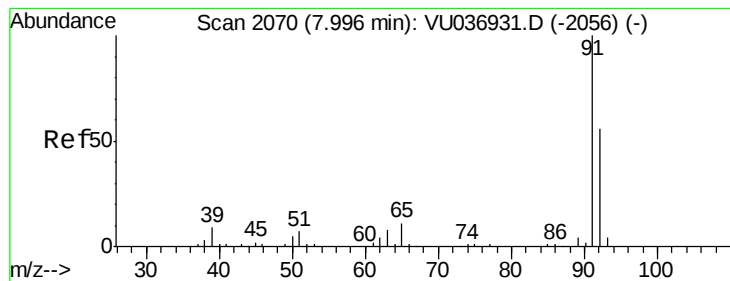
Tgt Ion: 75 Resp: 170764
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 41.0



#40
 4-Methyl-2-pentanone
 Concen: 100.719 ug/L
 RT: 7.82 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

Tgt Ion: 43 Resp: 322375
 Ion Ratio Lower Upper
 43 100
 58 39.8 31.8 47.6
 100 14.9 11.5 17.3





#42

Toluene

Concen: 52.286 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

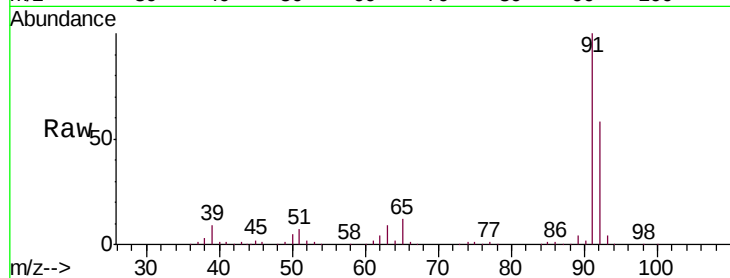
VSTD05039

Tgt Ion: 91 Resp: 449393

Ion Ratio Lower Upper

91 100

92 58.0 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU036931.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036931.D (-2056) (-)

8.00

250000

200000

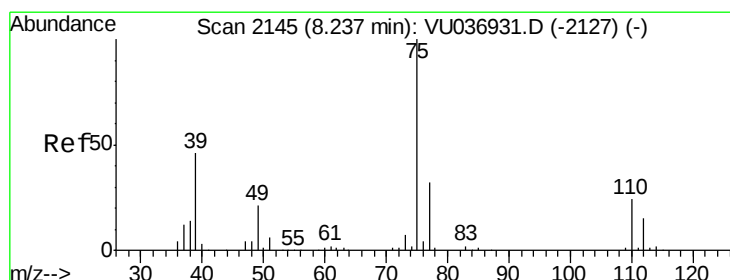
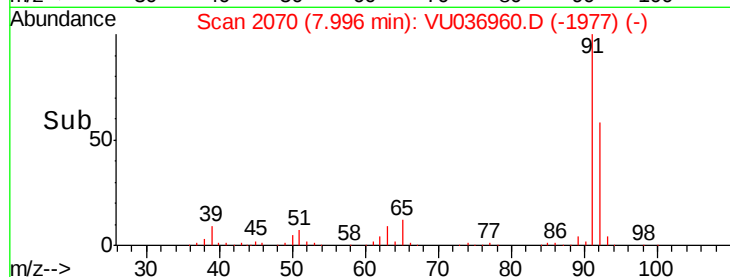
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.937 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036960.D

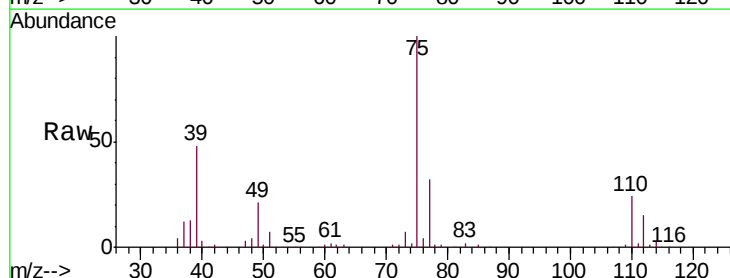
Acq: 28 Feb 2020 09:41

Tgt Ion: 75 Resp: 147852

Ion Ratio Lower Upper

75 100

77 31.7 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VU036931.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU036931.D (-2127) (-)

8.24

100000

80000

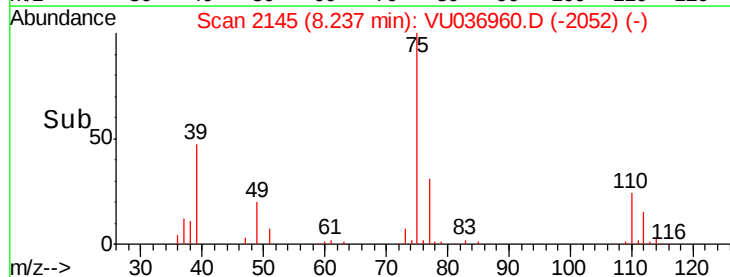
60000

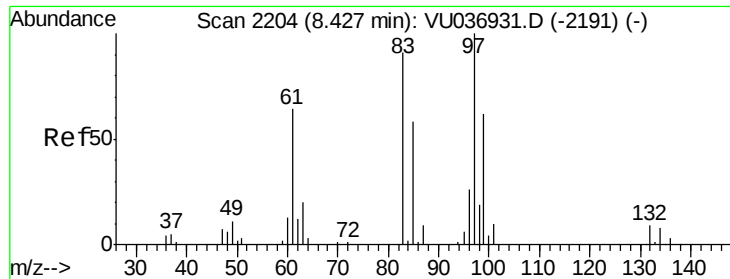
40000

20000

0

Time-->

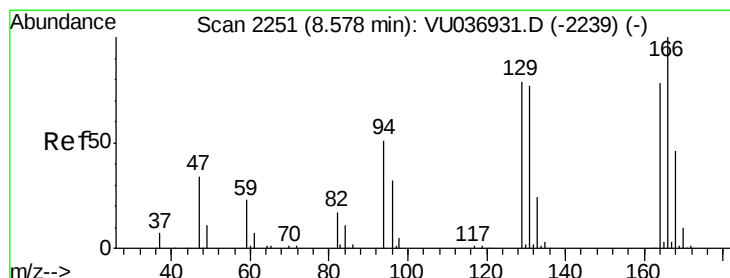
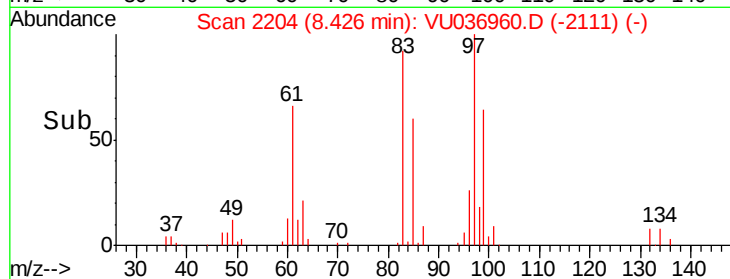
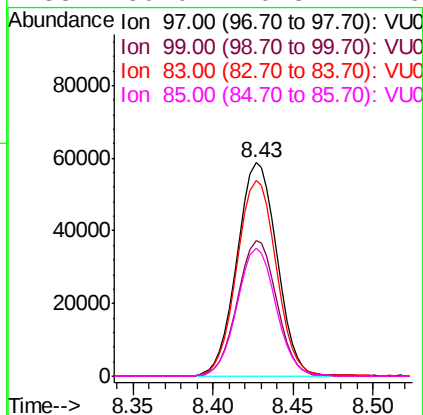
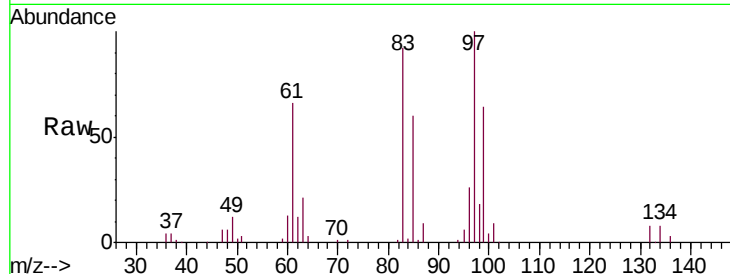




#45
 1,1,2-Trichloroethane
 Concen: 51.878 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

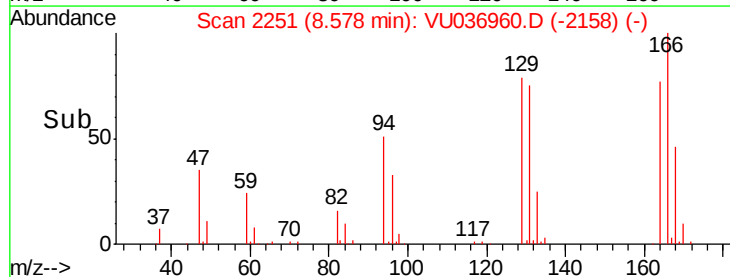
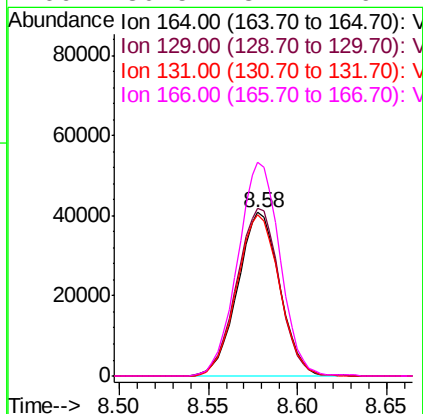
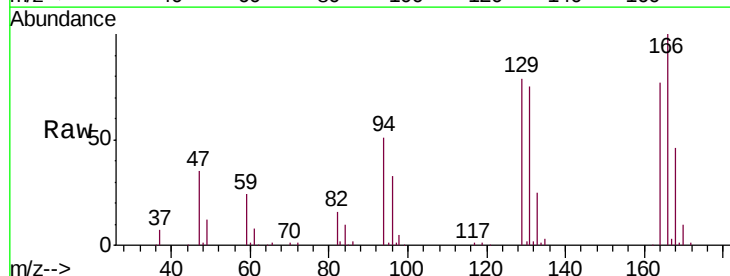
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

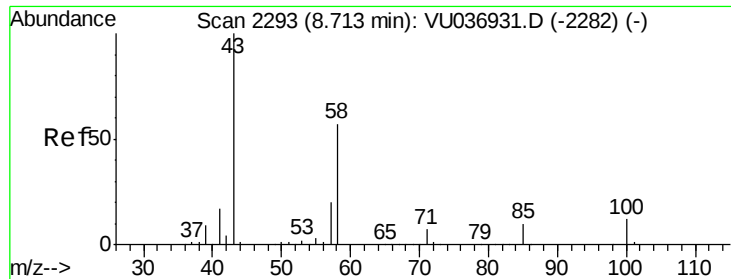
Tgt Ion:	97	Resp:	100210
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.6	81.0
83	91.7	62.7	116.5
85	60.0	40.3	74.9



#46
 Tetrachloroethene
 Concen: 51.457 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

Tgt Ion:	164	Resp:	67215
Ion	Ratio	Lower	Upper
164	100		
129	102.5	72.0	133.8
131	98.2	67.9	126.1
166	130.5	87.1	161.7

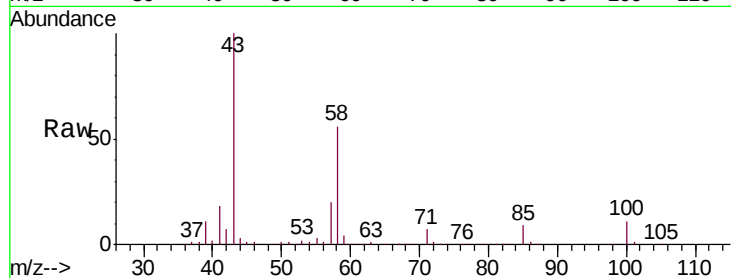




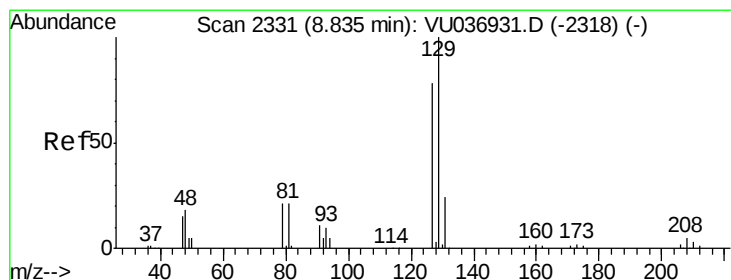
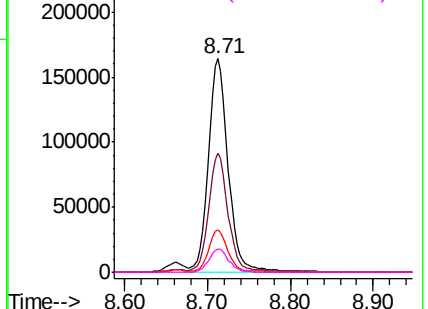
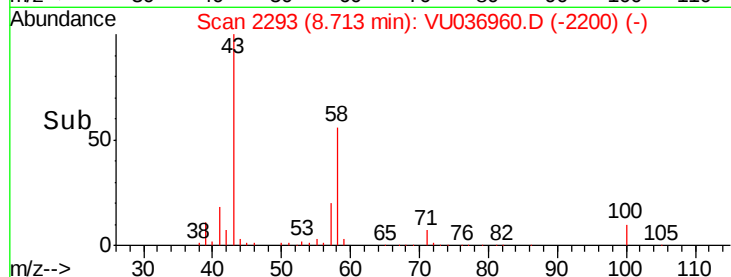
#48
2-Hexanone
Concen: 108.262 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

Tgt Ion: 43 Resp: 276521
Ion Ratio Lower Upper
43 100
58 54.8 43.5 65.3
57 18.9 15.1 22.7
100 10.8 8.7 13.1

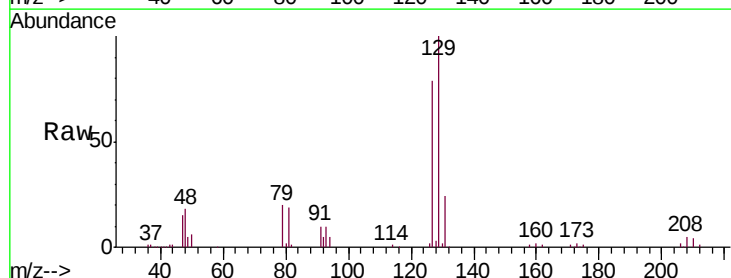


Abundance Ion 43.00 (42.70 to 43.70): VU036960.D (-2200) (-)
Ion 58.00 (57.70 to 58.70): VU036960.D (-2200) (-)
Ion 57.00 (56.70 to 57.70): VU036960.D (-2200) (-)
Ion 100.00 (99.70 to 100.70): VU036960.D (-2200) (-)

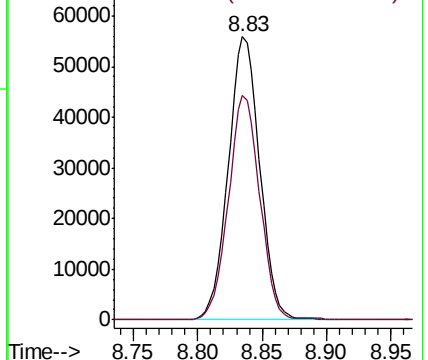
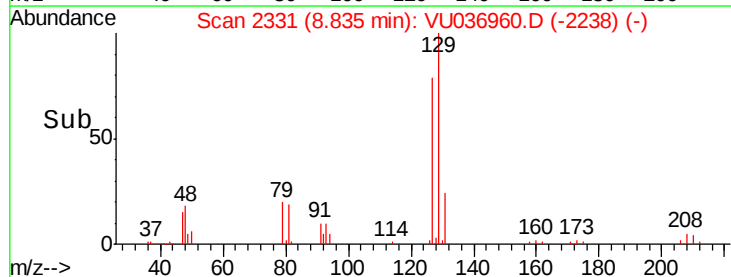


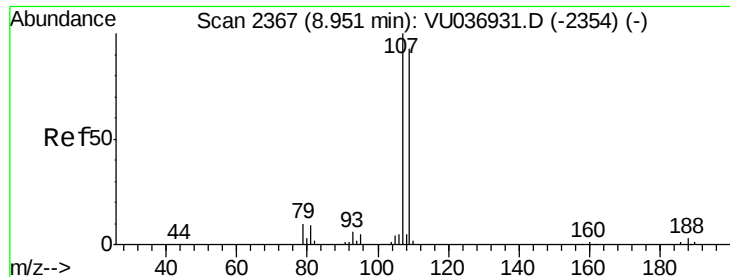
#49
Dibromochloromethane
Concen: 51.636 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

Tgt Ion: 129 Resp: 94671
Ion Ratio Lower Upper
129 100
127 79.3 54.3 100.8



Abundance Ion 129.00 (128.70 to 129.70): VU036960.D (-2238) (-)
Ion 127.00 (126.70 to 127.70): VU036960.D (-2238) (-)

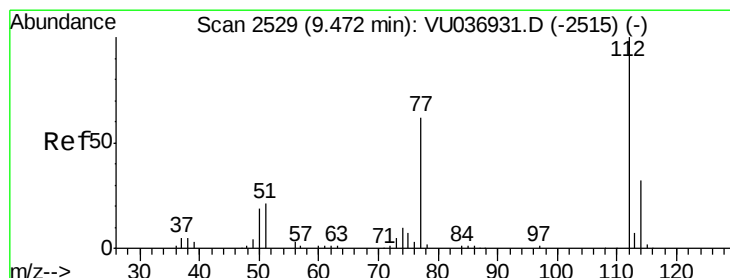
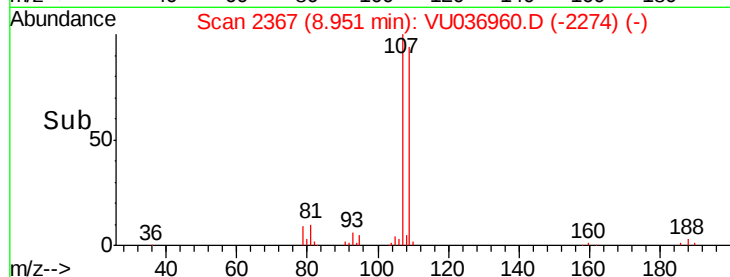
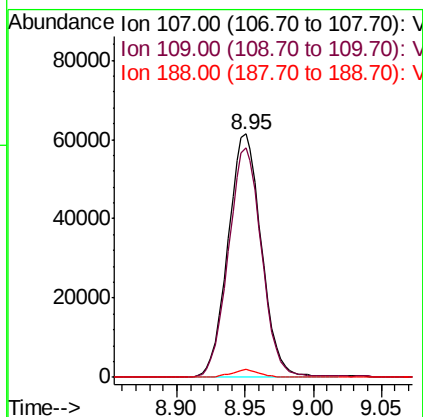
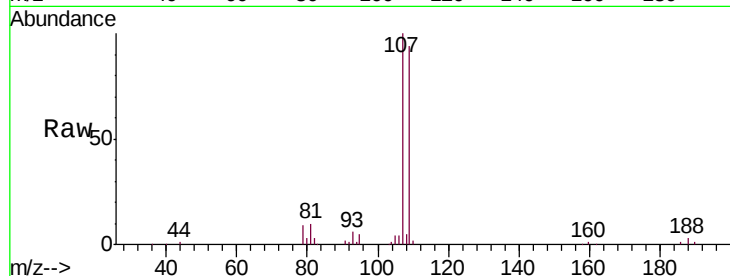




#50
1,2-Dibromoethane
Concen: 51.831 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

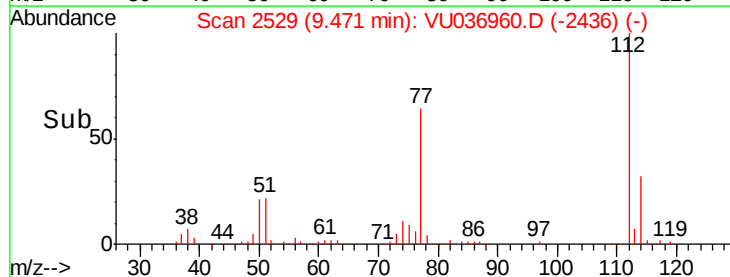
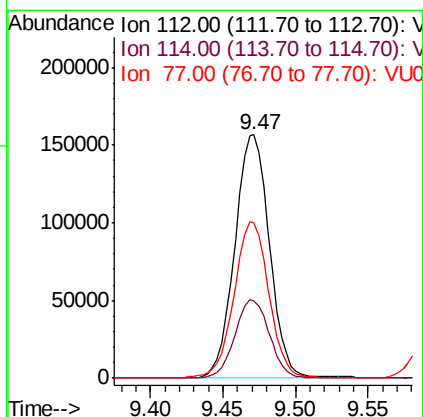
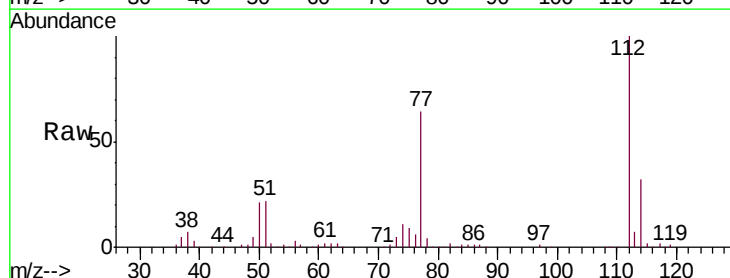
Instrument :
MSVOA_U
ClientSampleId :
VSTD05039

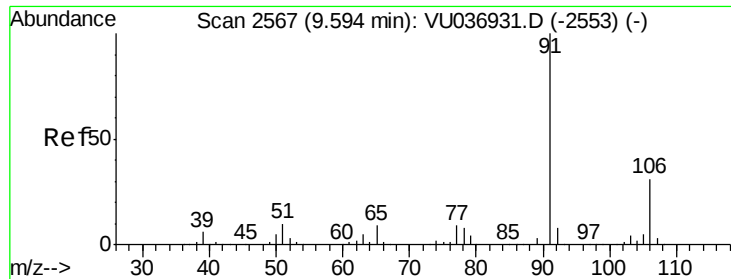
Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.4	65.9	122.5
188	3.1	2.2	3.2



#51
Chlorobenzene
Concen: 50.998 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. -0.00 min
Lab File: VU036960.D
Acq: 28 Feb 2020 09:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.5
77	63.9	50.1	75.1





#52

Ethylbenzene

Concen: 51.604 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

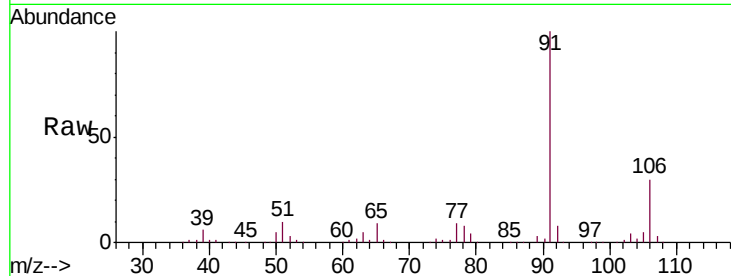
VSTD05039

Tgt Ion: 91 Resp: 480813

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU036931.D (-2553) (-)

Ion 106.00 (105.70 to 106.70): VU036960.D (-2474) (-)

9.59

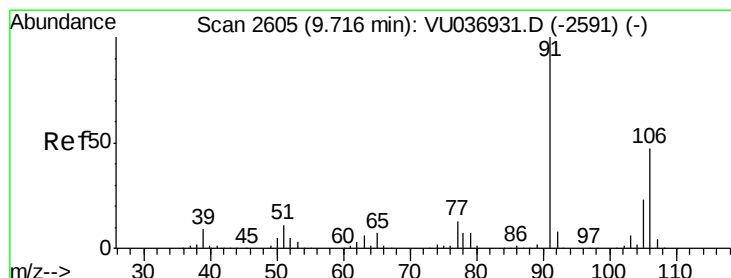
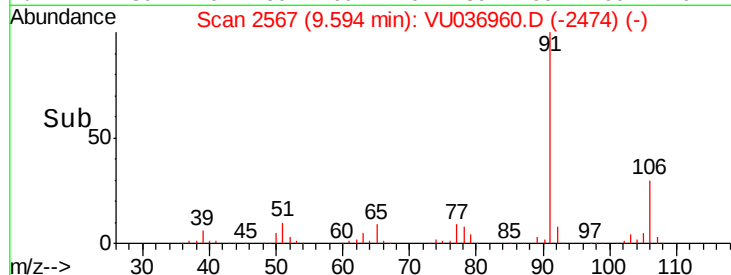
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 52.840 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036960.D

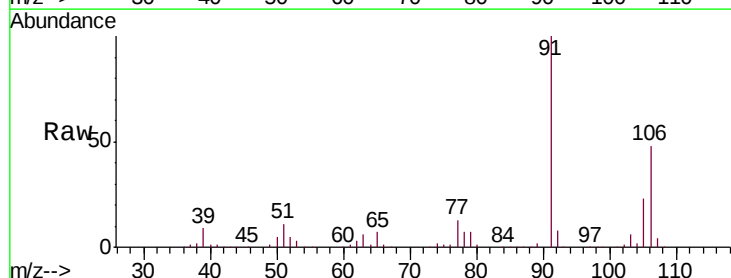
Acq: 28 Feb 2020 09:41

Tgt Ion: 106 Resp: 180595

Ion Ratio Lower Upper

106 100

91 209.1 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VU036960.D (-2512) (-)

Ion 91.00 (90.70 to 91.70): VU036931.D (-2591) (-)

9.72

250000

200000

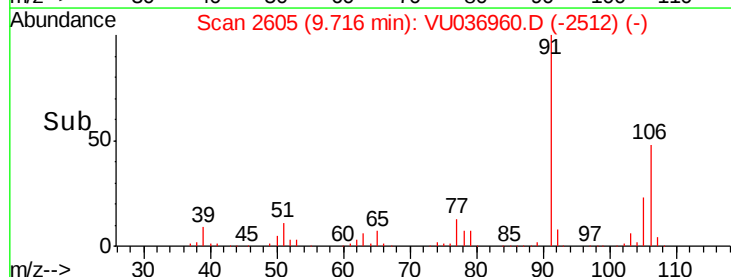
150000

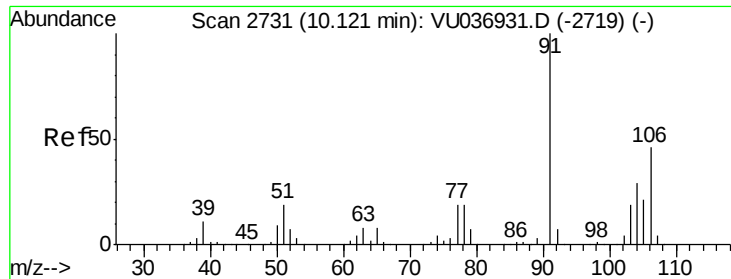
100000

50000

0

Time-->





#54

o-xylene

Concen: 51.310 ug/L

RT: 10.12 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

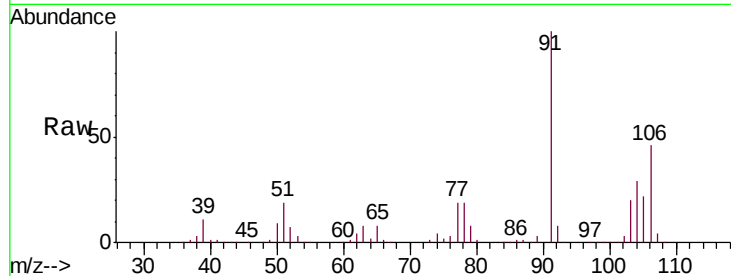
VSTD05039

Tgt Ion:106 Resp: 174905

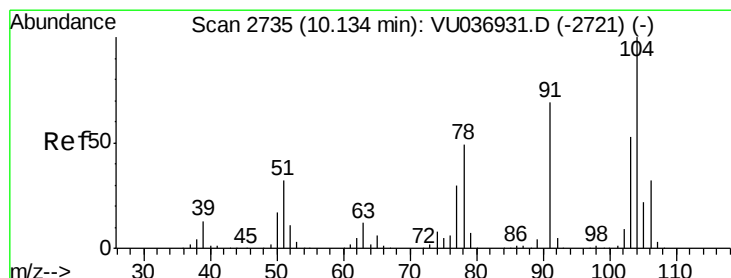
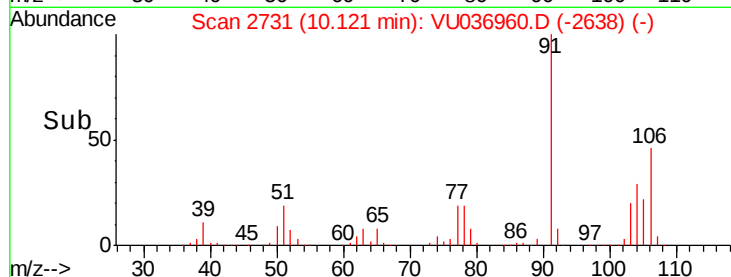
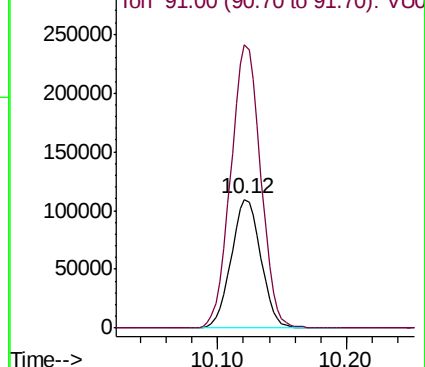
Ion Ratio Lower Upper

106 100

91 219.7 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 52.779 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VU036960.D

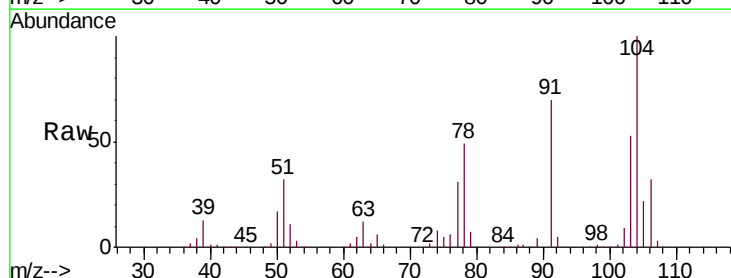
Acq: 28 Feb 2020 09:41

Tgt Ion:104 Resp: 294108

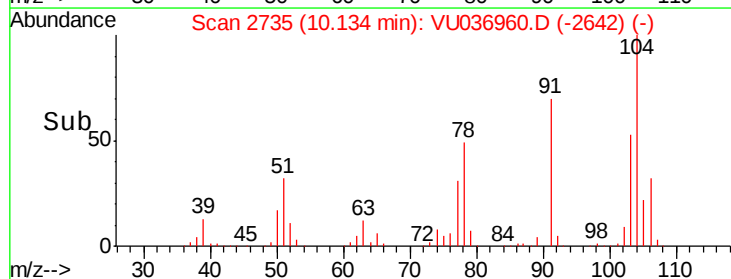
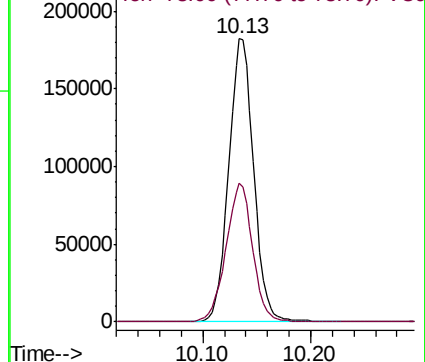
Ion Ratio Lower Upper

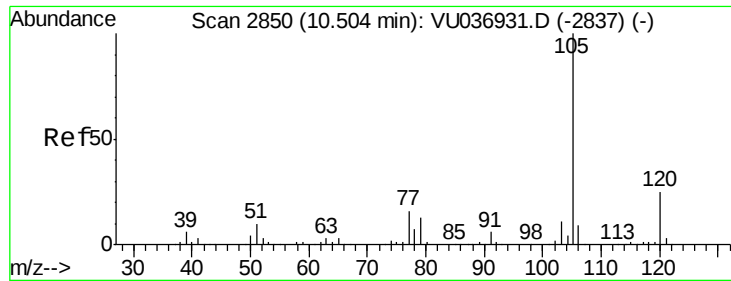
104 100

78 49.1 33.0 61.4



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 51.671 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

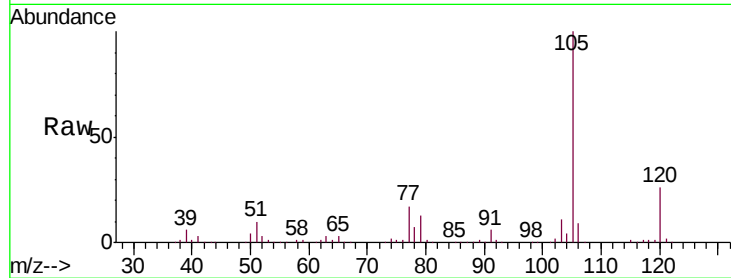
Tgt Ion: 105 Resp: 452396

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

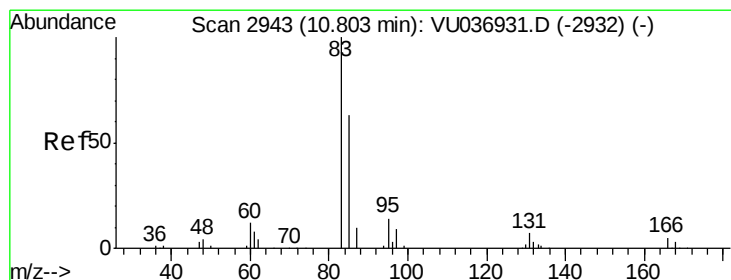
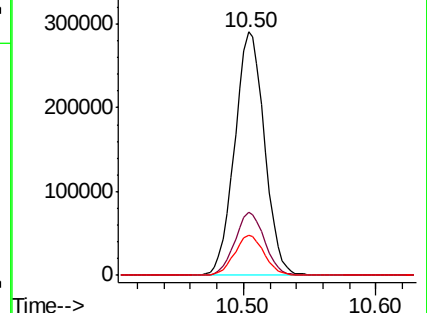
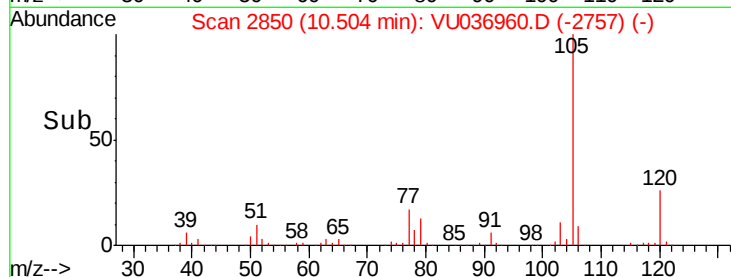
77 16.5 13.1 19.7



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: 50.994 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

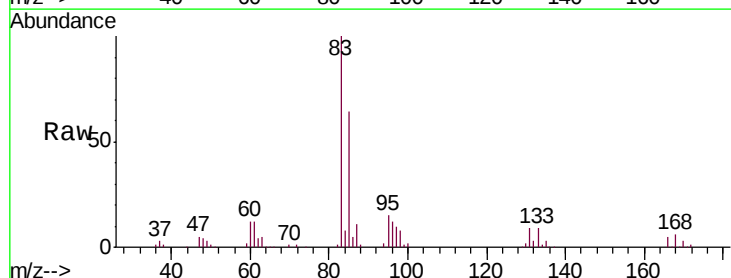
Tgt Ion: 83 Resp: 176099

Ion Ratio Lower Upper

83 100

85 64.1 45.5 84.5

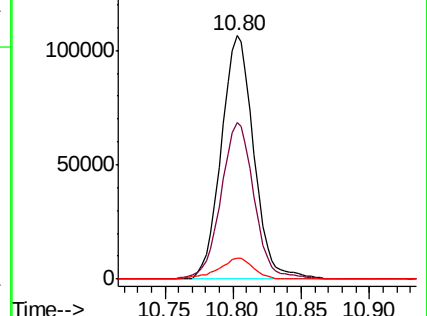
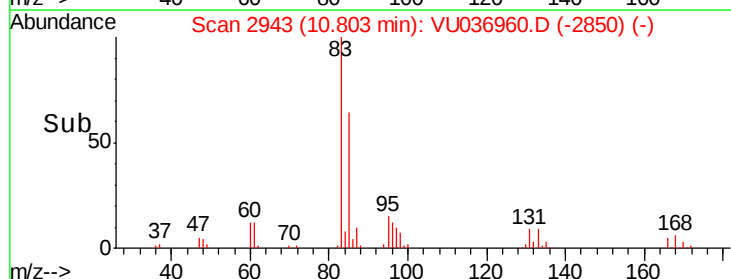
131 8.6 6.8 10.2

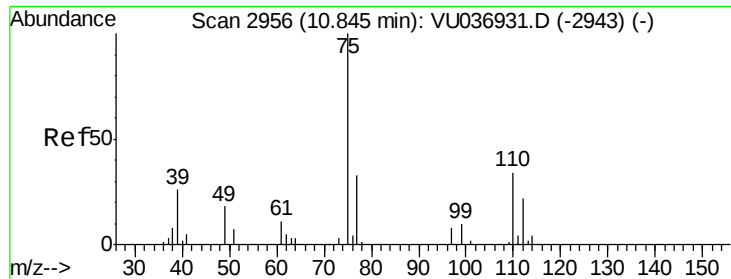


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.532 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

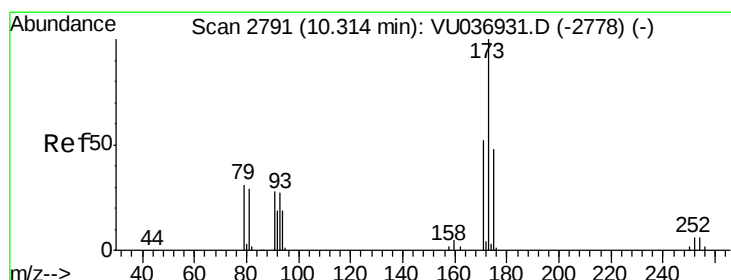
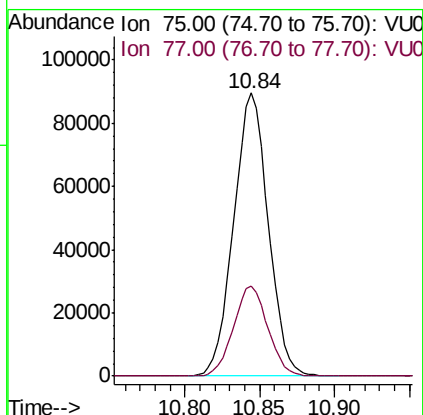
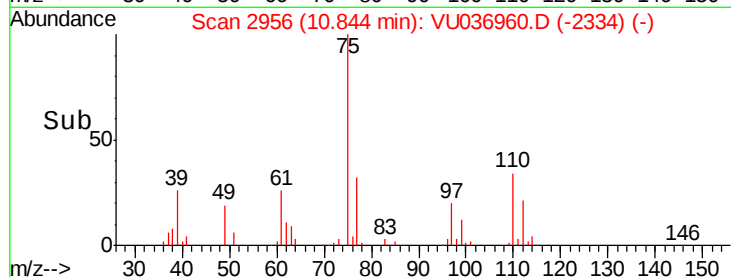
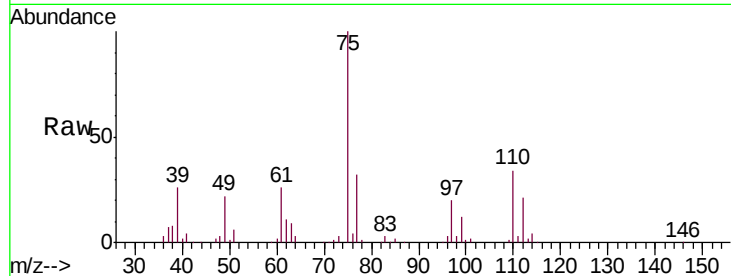
VSTD05039

Tgt Ion: 75 Resp: 144000

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



#61

Bromoform

Concen: 50.838 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

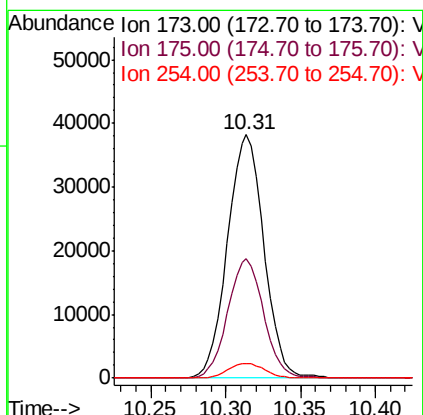
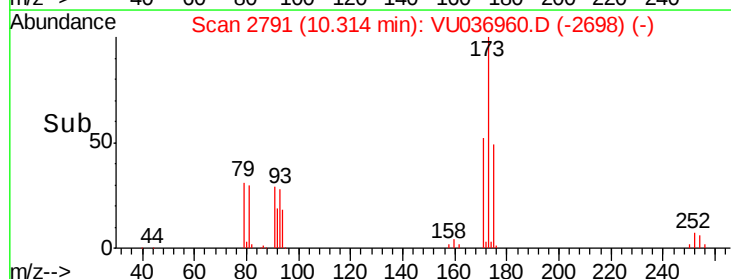
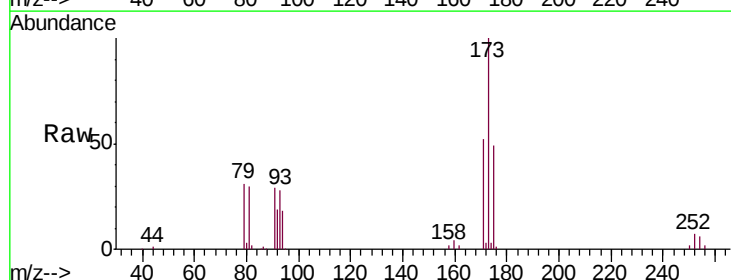
Tgt Ion: 173 Resp: 64739

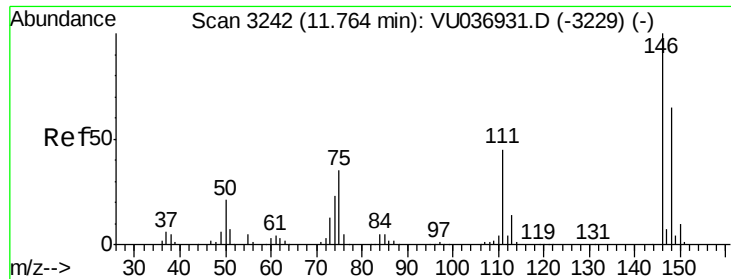
Ion Ratio Lower Upper

173 100

175 48.6 39.0 58.6

254 6.0 4.6 6.8





#62

1,3-Dichlorobenzene

Concen: 51.423 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD05039

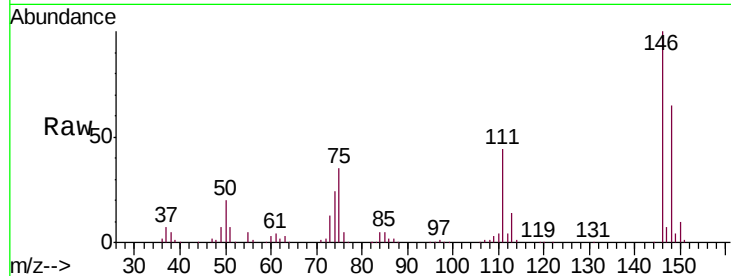
Tgt Ion:146 Resp: 187895

Ion Ratio Lower Upper

146 100

111 44.1 30.7 56.9

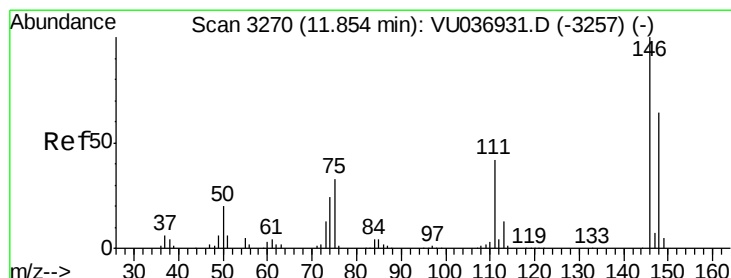
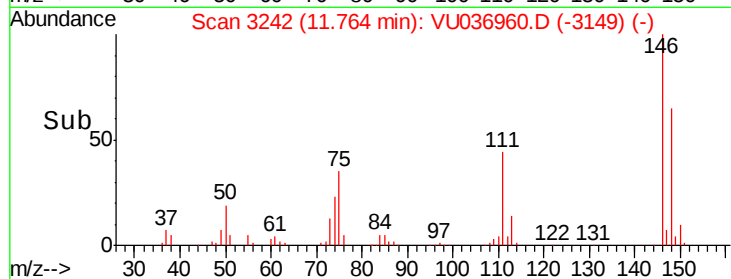
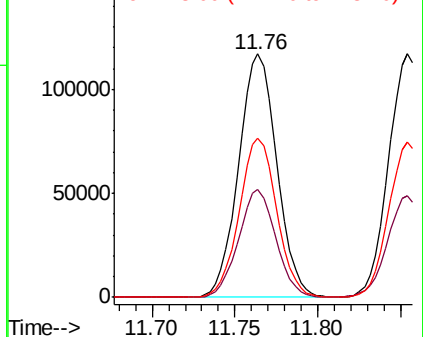
148 65.3 44.2 82.2



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: 51.720 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

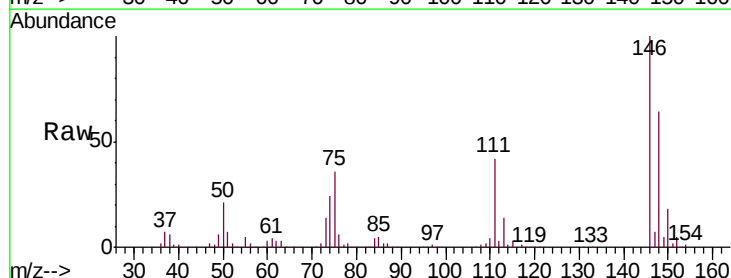
Tgt Ion:146 Resp: 186711

Ion Ratio Lower Upper

146 100

111 41.7 29.8 55.4

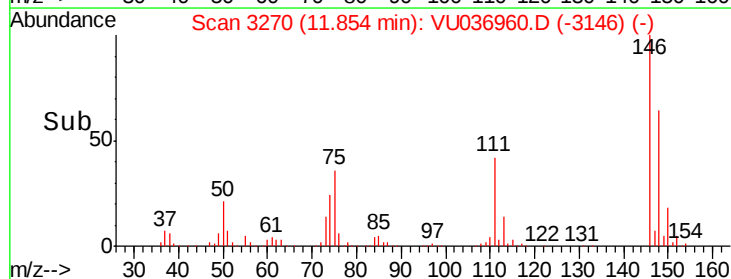
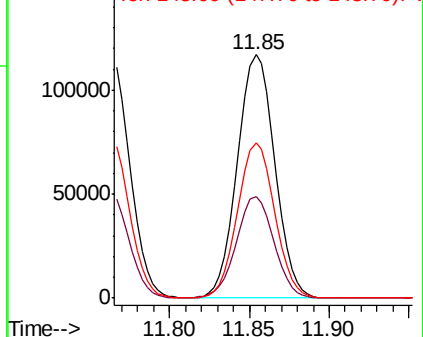
148 63.7 45.1 83.9

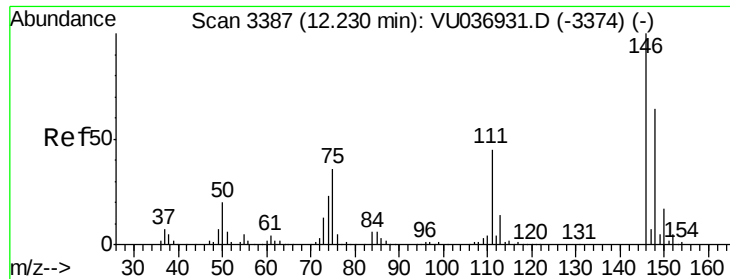


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

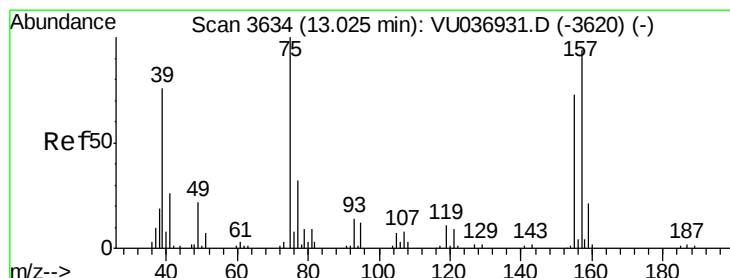
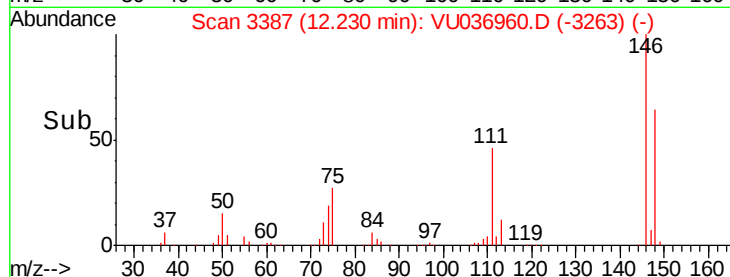
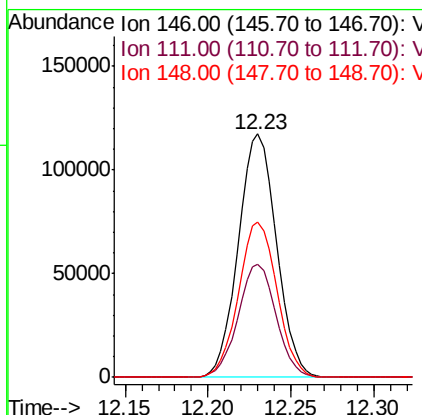
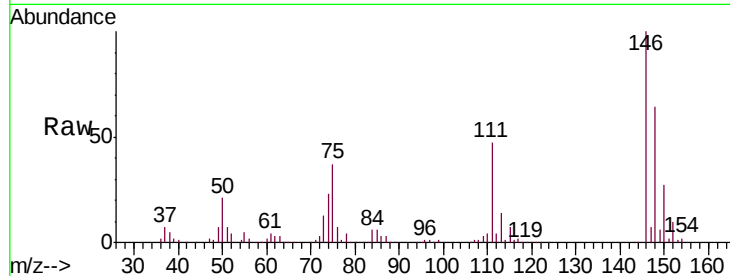




#65
 1,2-Dichlorobenzene
 Concen: 51.518 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

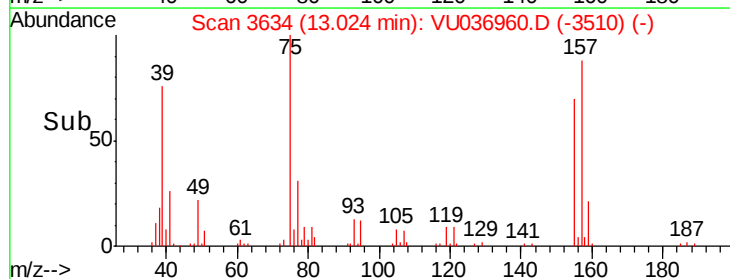
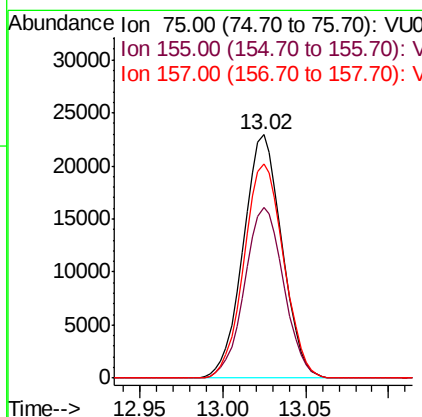
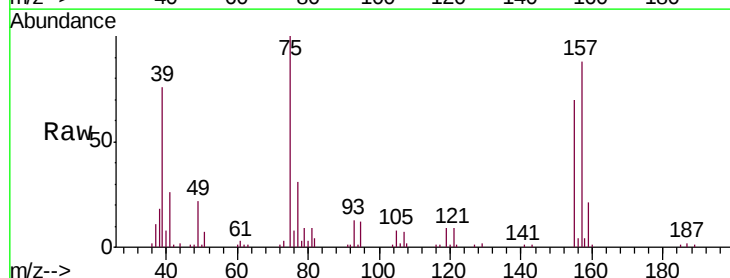
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

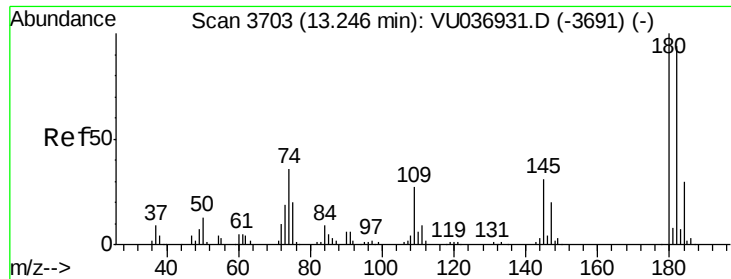
Tgt Ion: 146 Resp: 187955
 Ion Ratio Lower Upper
 146 100
 111 46.7 35.4 53.0
 148 63.9 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 51.323 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

Tgt Ion: 75 Resp: 37147
 Ion Ratio Lower Upper
 75 100
 155 69.9 55.7 83.5
 157 88.0 73.0 109.6

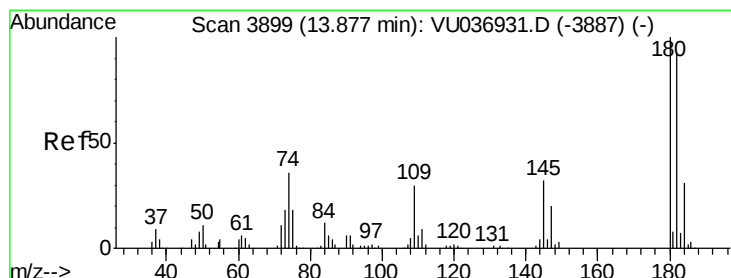
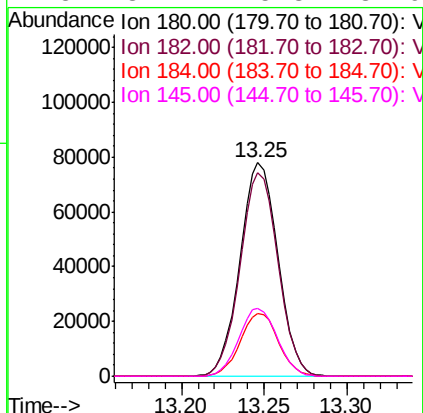
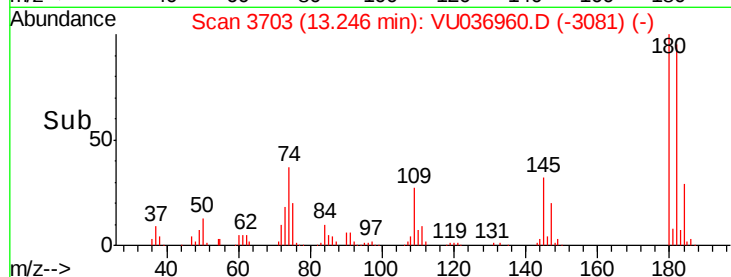
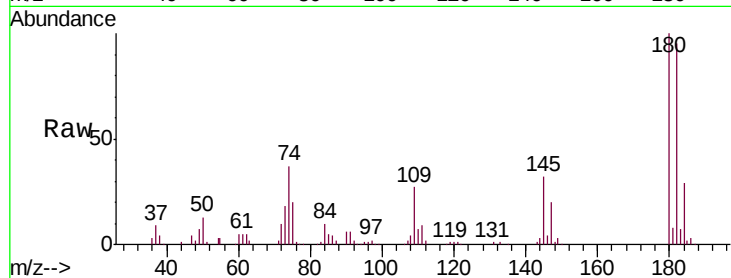




#67
 1,3,5-Trichlorobenzene
 Concen: 53.477 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

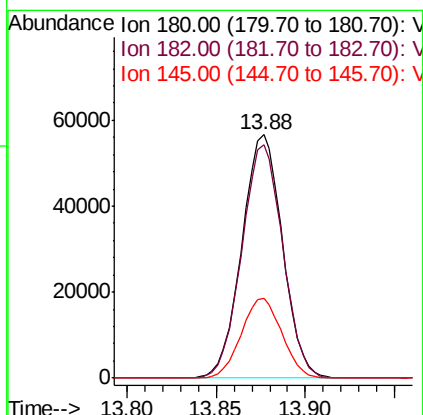
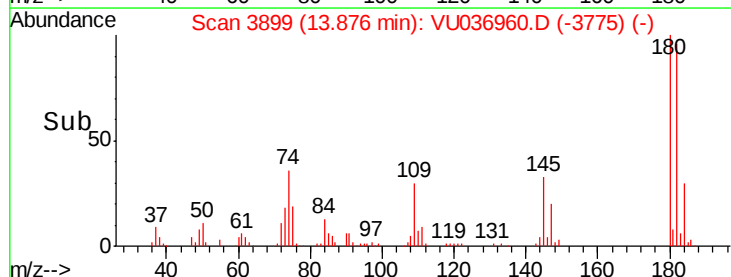
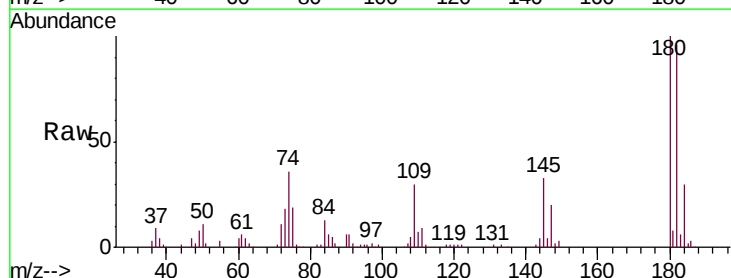
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05039

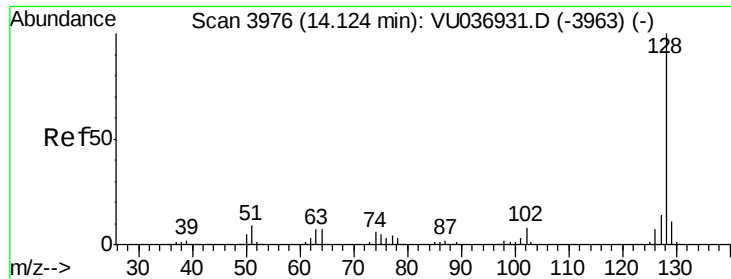
Tgt Ion:	180	Resp:	124027
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.9	115.3
184	29.7	24.2	36.2
145	32.1	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 51.992 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. -0.00 min
 Lab File: VU036960.D
 Acq: 28 Feb 2020 09:41

Tgt Ion:	180	Resp:	90344
Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.3	112.9
145	32.8	26.2	39.4





#69

Naphthalene

Concen: 45.496 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. -0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

Instrument :

MSVOA_U

ClientSampled :

VSTD05039

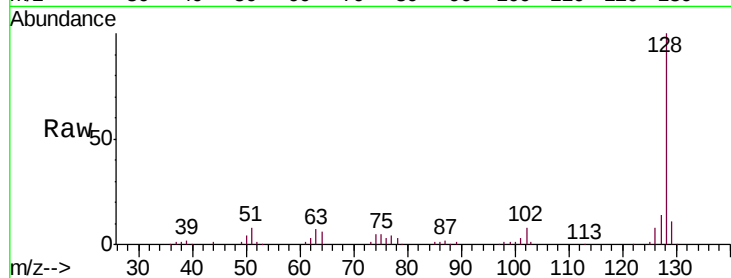
Tgt Ion:128 Resp: 139555

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.4

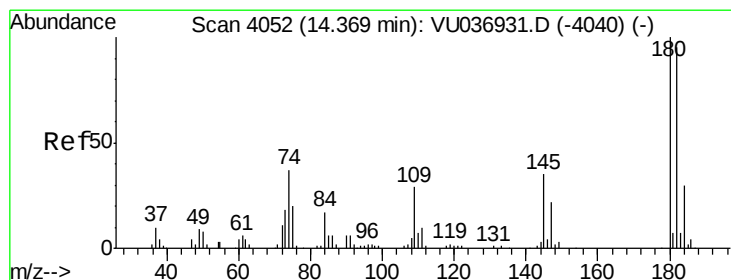
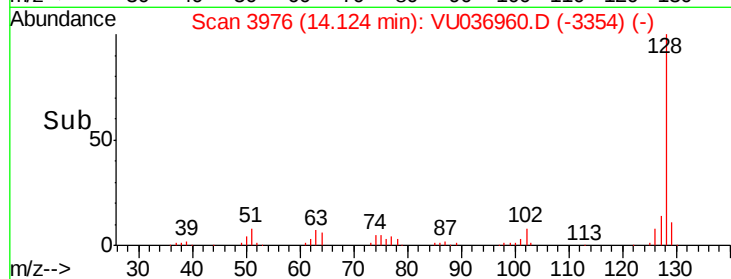
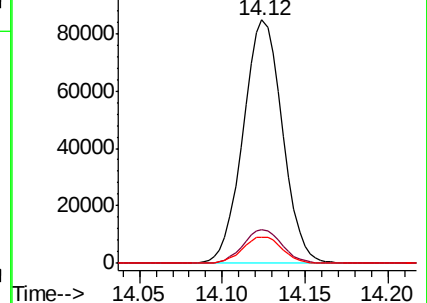
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.479 ug/L

RT: 14.37 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VU036960.D

Acq: 28 Feb 2020 09:41

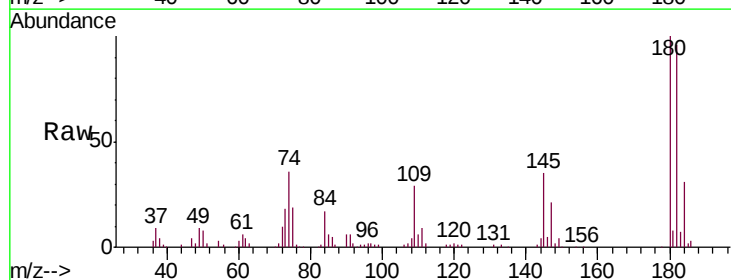
Tgt Ion:180 Resp: 91126

Ion Ratio Lower Upper

180 100

182 95.6 77.0 115.6

145 33.7 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

