

Data File : VU036765.D
Acq On : 13 Feb 2020 11:41
Operator : JC/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Quant Time: Feb 14 00:10:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 13 15:05:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	127545	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	116961	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	53792	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48738	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.93	69	44391	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.59	63	87303	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	4.68	46	129052	56.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.20%
24) Chloroform-d	5.11	84	86676	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
26) 1,2-Dichloroethane-d4	5.74	65	48822	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.76	84	181324	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.73	67	58362	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.93	98	167453	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	8.21	79	22022	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.66	63	110275	55.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.10%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	45600	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	53960	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	42936	5.097 ug/L	99
3) Chloromethane	1.54	50	43594	4.972 ug/L	99
5) Vinyl chloride	1.62	62	51460	5.025 ug/L	97
6) Bromomethane	1.87	94	27624	4.489 ug/L	94
8) Chloroethane	1.95	64	33756	4.719 ug/L	100
9) Trichlorofluoromethane	2.16	101	67570	5.015 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	42749	4.969 ug/L	99
12) 1,1-Dichloroethene	2.60	96	38688	4.987 ug/L	97
13) Acetone	2.67	43	161711	54.979 ug/L	99
14) Carbon disulfide	2.82	76	89400	4.775 ug/L	99
15) Methyl Acetate	2.99	43	20442	5.238 ug/L	100
16) Methylene chloride	3.08	84	47944	3.666 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	120001	5.222 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	41159	5.141 ug/L	98
19) 1,1-Dichloroethane	3.91	63	87219	5.195 ug/L	98
21) 2-Butanone	4.76	43	187849	54.902 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	50323	5.194 ug/L	96

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Quant Time: Feb 14 00:10:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 13 15:05:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	20530	5.330	ug/L	96
25) Chloroform	5.13	83	87888	4.902	ug/L	99
27) 1,2-Dichloroethane	5.84	62	58069	5.081	ug/L	97
29) 1,1,1-Trichloroethane	5.36	97	66785	5.199	ug/L	99
30) Cyclohexane	5.43	56	72305	5.299	ug/L	97
31) Carbon tetrachloride	5.56	117	53288	5.142	ug/L	99
33) Benzene	5.81	78	188716	5.231	ug/L	100
34) Trichloroethene	6.57	95	47358	5.154	ug/L	98
35) Methylcyclohexane	6.80	83	76173	5.224	ug/L	99
37) 1,2-Dichloropropane	6.83	63	52085	5.288	ug/L	99
38) Bromodichloromethane	7.14	83	60965	5.186	ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	75689	5.310	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	350888	55.201	ug/L	100
42) Toluene	8.00	91	203499	5.252	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	59570	5.348	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	36431	5.316	ug/L	95
47) Tetrachloroethene	8.58	164	31853	5.096	ug/L	95
48) 2-Hexanone	8.72	43	305206	56.107	ug/L	100
49) Dibromochloromethane	8.83	129	37736	5.325	ug/L	98
50) 1,2-Dibromoethane	8.95	107	32282	5.216	ug/L	98
51) Chlorobenzene	9.47	112	125897	5.252	ug/L	98
52) Ethylbenzene	9.59	91	225715	5.216	ug/L	100
53) m,p-Xylene	9.72	106	82635	5.189	ug/L	92
54) o-Xylene	10.12	106	82906	5.301	ug/L	96
55) Styrene	10.14	104	136863	5.191	ug/L	97
56) Isopropylbenzene	10.50	105	219952	5.255	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	47012	5.241	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	33757	5.190	ug/L	99
61) Bromoform	10.31	173	19366	5.225	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	93651	5.053	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	93832	5.107	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	91231	5.106	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	7013	5.260	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	69182	5.302	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	55491	5.640	ug/L	99
69) Naphthalene	14.12	128	117198	6.575	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	51150	5.793	ug/L	96

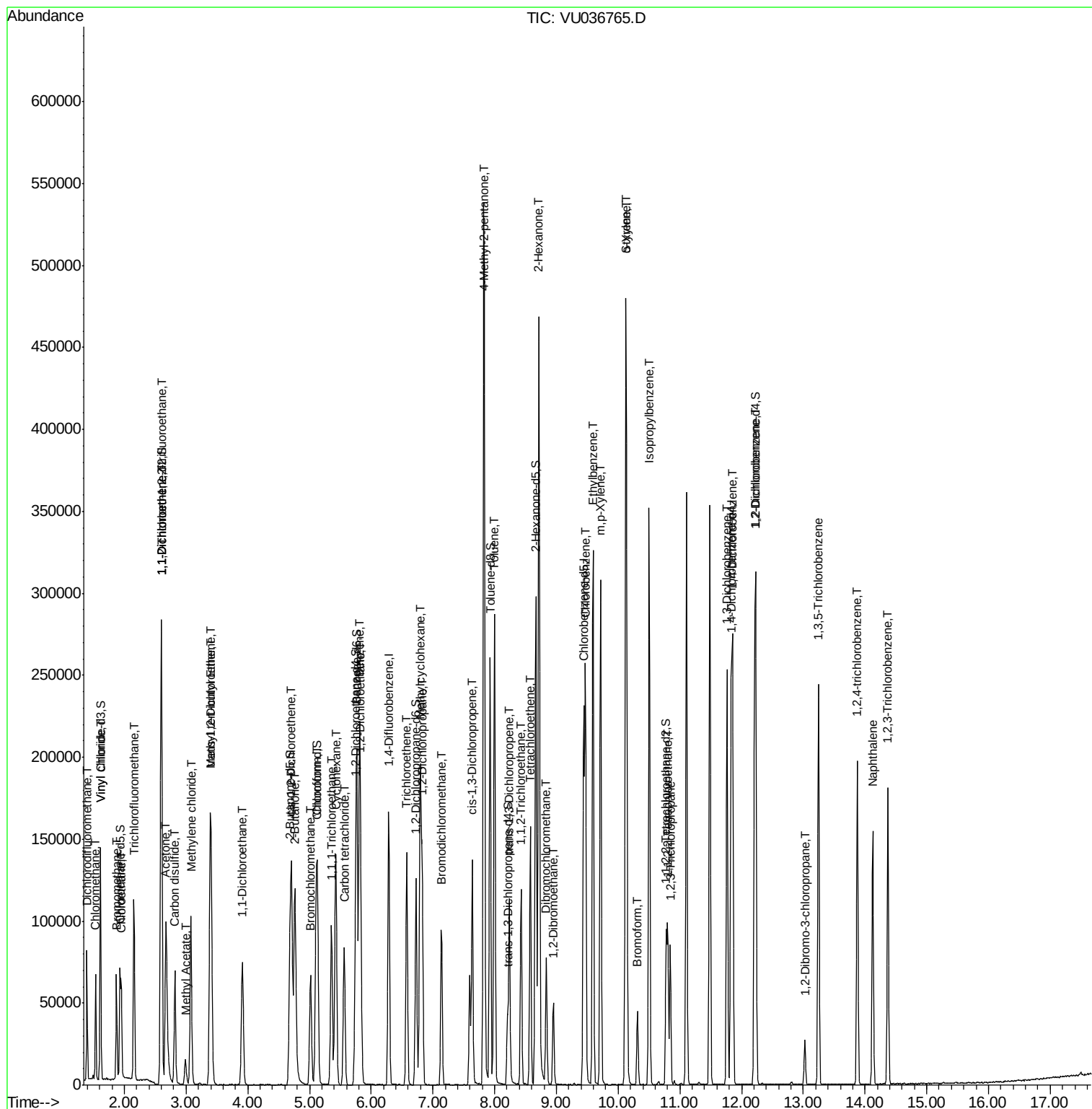
(#) = qualifier out of range (m) = manual integration (+) = signals summed

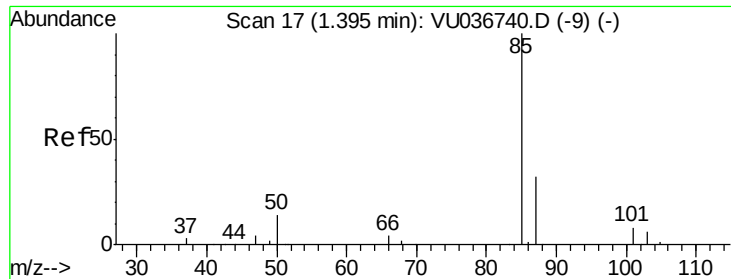
Data File : VU036765.D

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Acq On       : 13 Feb 2020   11:41
Operator     : JC/MD
Sample       : VSTDCCC005
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 2      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Quant Time: Feb 14 00:10:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
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#2

Dichlorodifluoromethane

Concen: 5.097 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

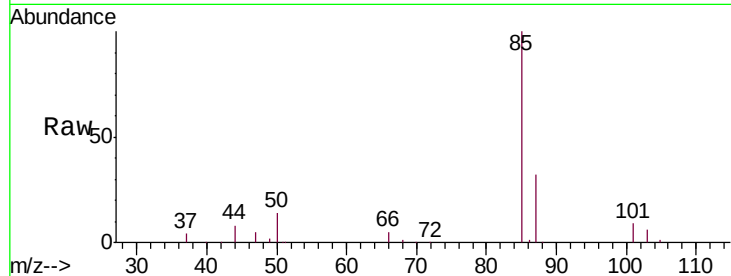
VSTD00516

Tgt Ion: 85 Resp: 42936

Ion Ratio Lower Upper

85 100

87 31.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036740.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036740.D (-9) (-)

1.39

40000

30000

20000

10000

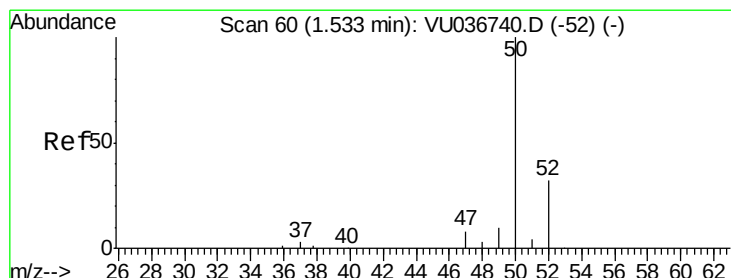
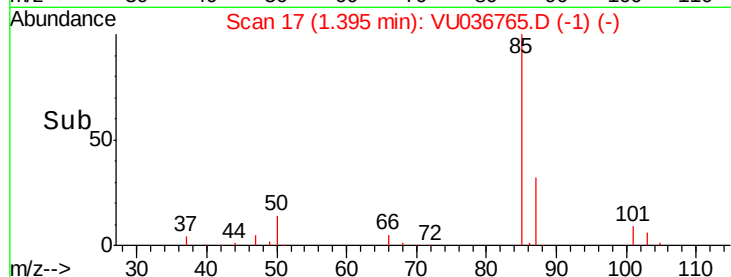
0

Time-->

1.35

1.40

1.45



#3

Chloromethane

Concen: 4.972 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036765.D

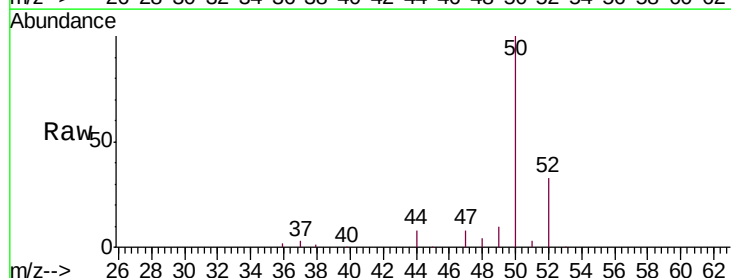
Acq: 13 Feb 2020 11:41

Tgt Ion: 50 Resp: 43594

Ion Ratio Lower Upper

50 100

52 33.2 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036740.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036740.D (-52) (-)

1.54

40000

30000

20000

10000

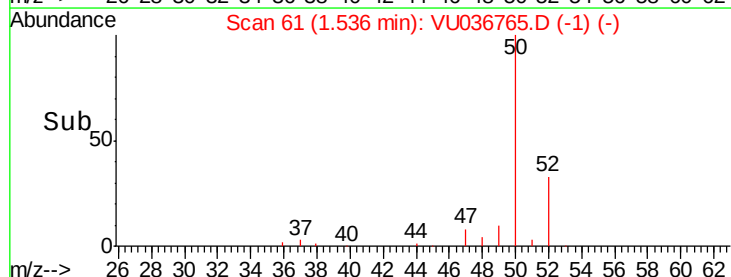
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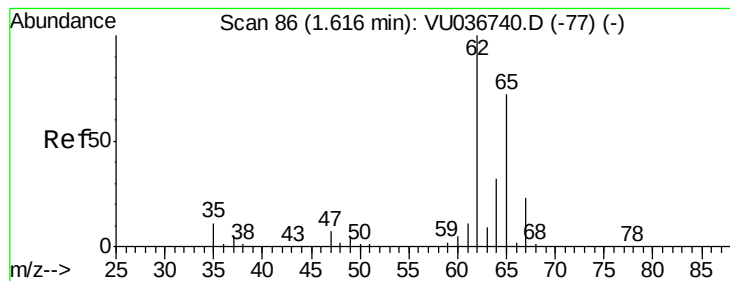
Time-->

1.50

1.55

1.60





#5

Vinyl chloride

Concen: 5.025 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

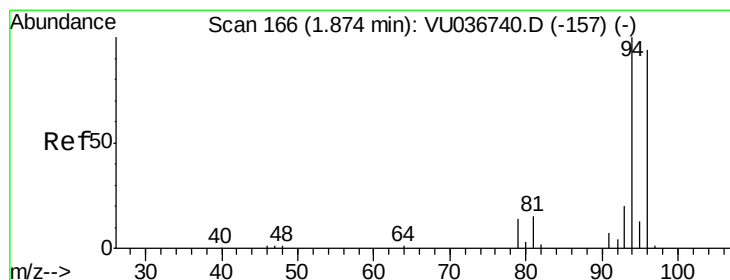
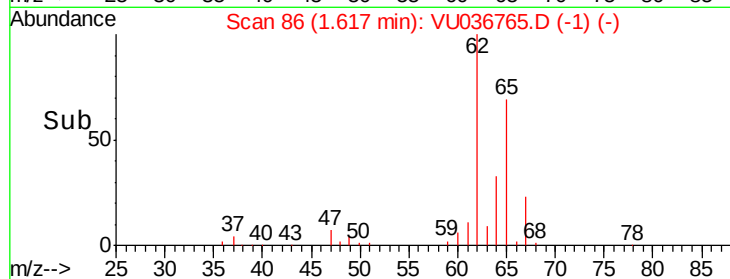
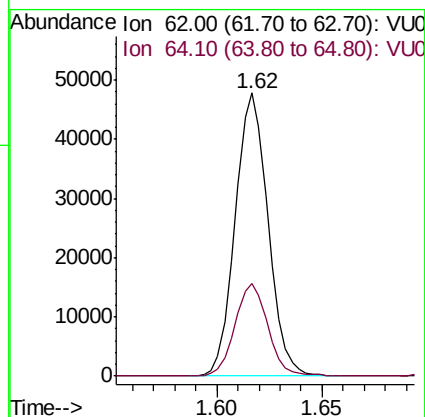
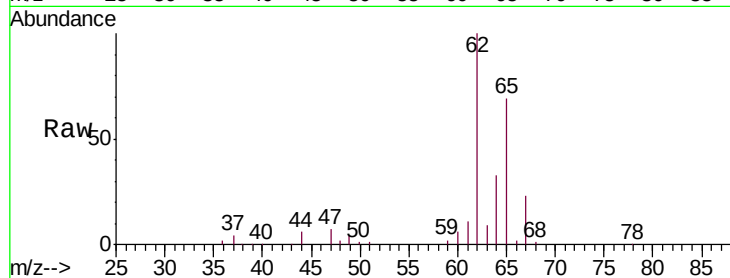
VSTD00516

Tgt Ion: 62 Resp: 51460

Ion Ratio Lower Upper

62 100

64 32.8 24.1 44.7



#6

Bromomethane

Concen: 4.489 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU036765.D

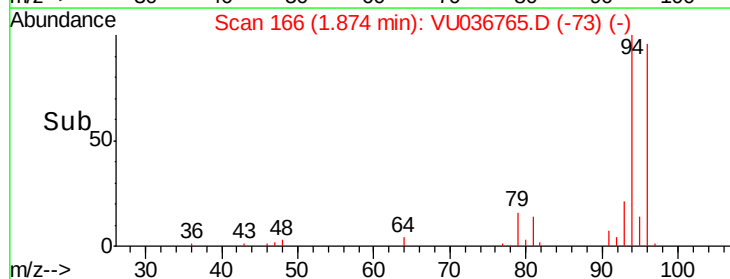
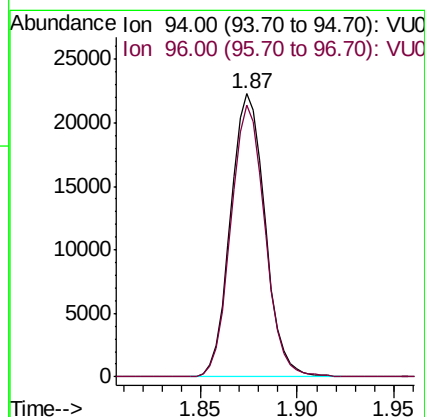
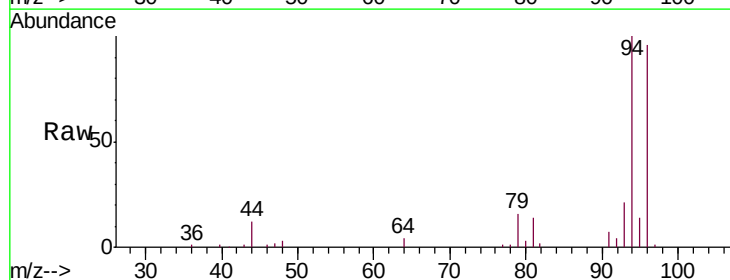
Acq: 13 Feb 2020 11:41

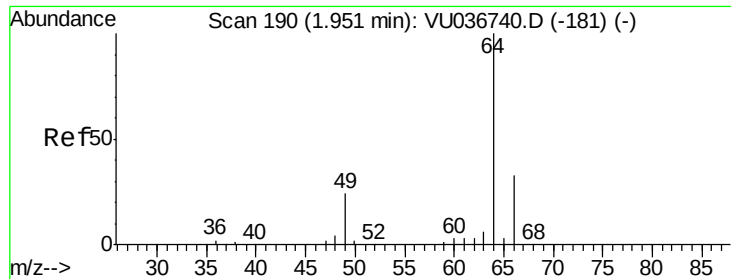
Tgt Ion: 94 Resp: 27624

Ion Ratio Lower Upper

94 100

96 96.2 63.3 117.7





#8

Chloroethane

Concen: 4.719 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

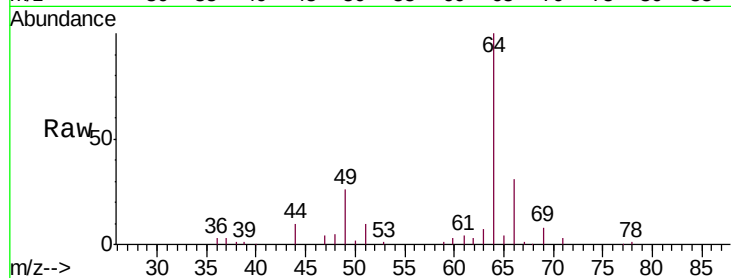
VSTD00516

Tgt Ion: 64 Resp: 33756

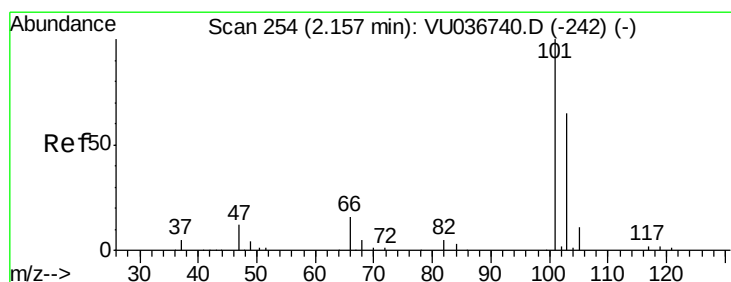
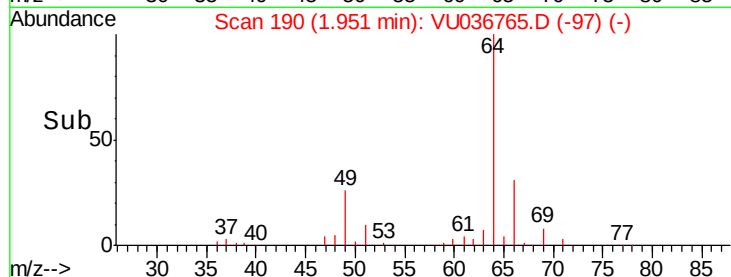
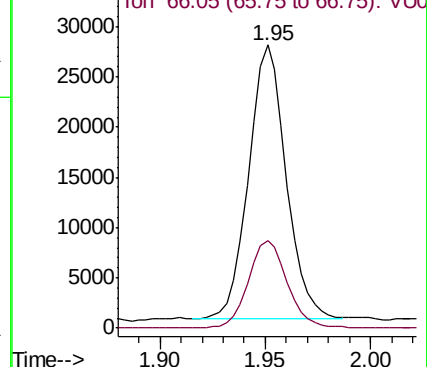
Ion Ratio Lower Upper

64 100

66 30.9 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036740.D (-181) (-)



#9

Trichlorofluoromethane

Concen: 5.015 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036765.D

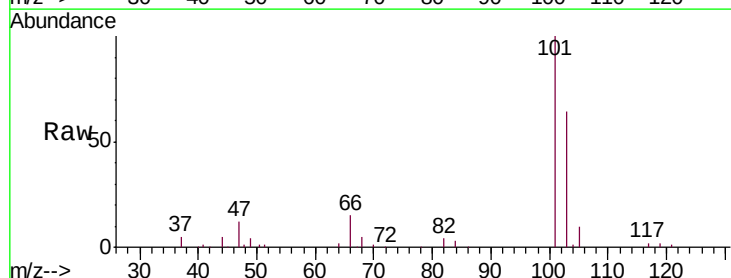
Acq: 13 Feb 2020 11:41

Tgt Ion: 101 Resp: 67570

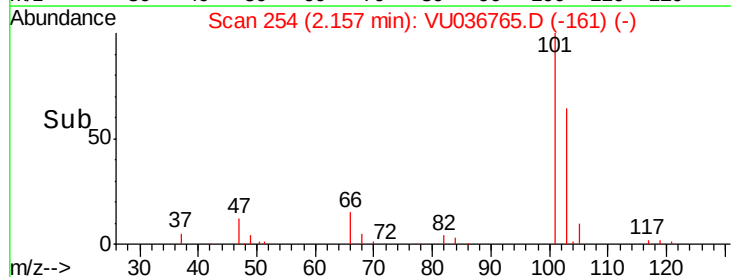
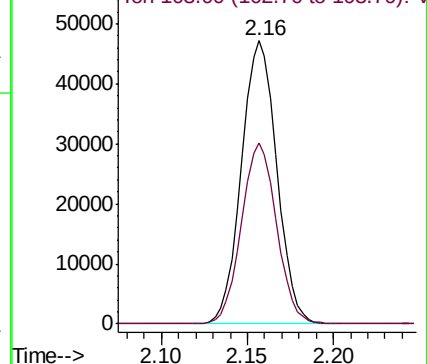
Ion Ratio Lower Upper

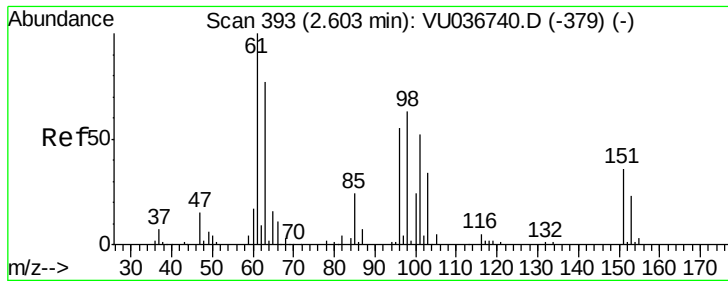
101 100

103 63.4 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036740.D (-242) (-)





#10

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

Concen: 4.969 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

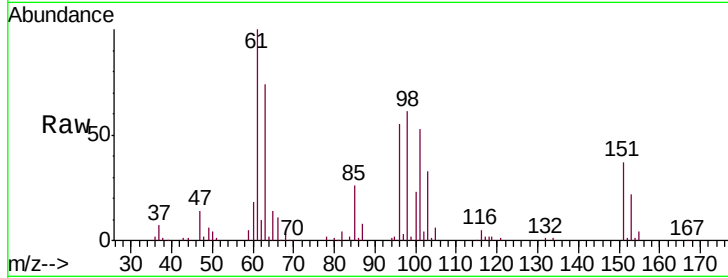
Tgt Ion: 101 Resp: 42749

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

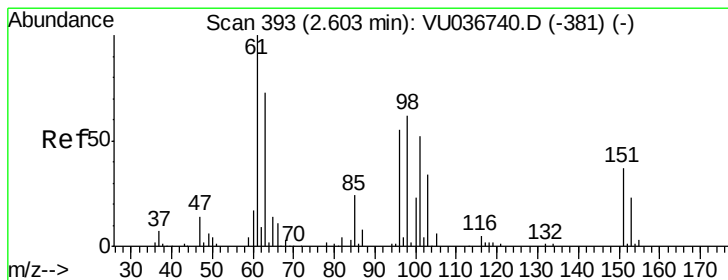
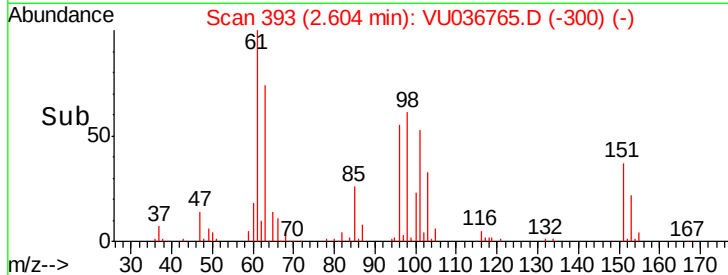
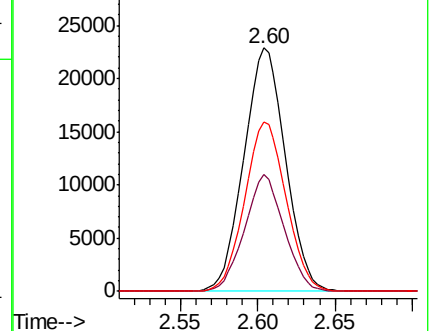
151 69.2 54.0 81.0



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: 4.987 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

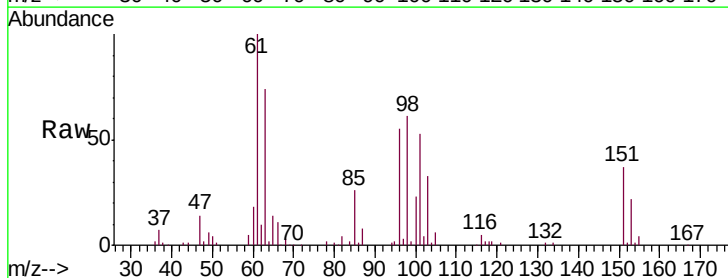
Tgt Ion: 96 Resp: 38688

Ion Ratio Lower Upper

96 100

61 181.3 126.4 234.8

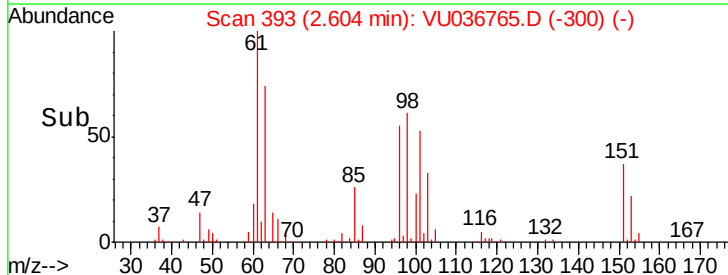
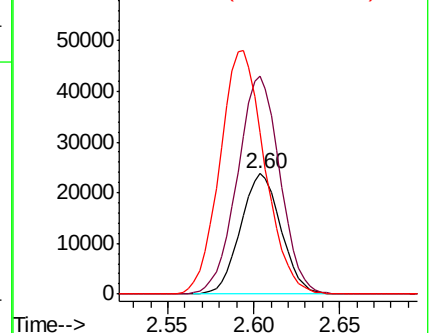
63 134.4 89.5 166.3

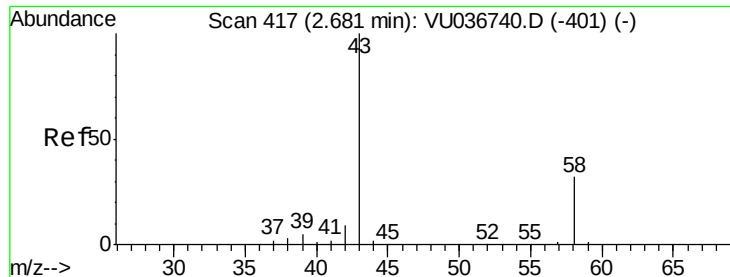


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.979 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU036765.D

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Instrument :

MSVOA_U

ClientSampleId :

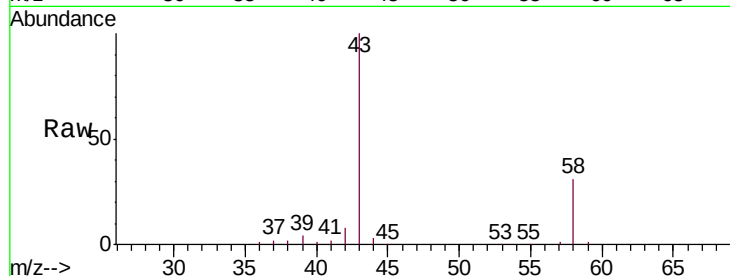
VSTD00516

Tgt Ion: 43 Resp: 161711

Ion Ratio Lower Upper

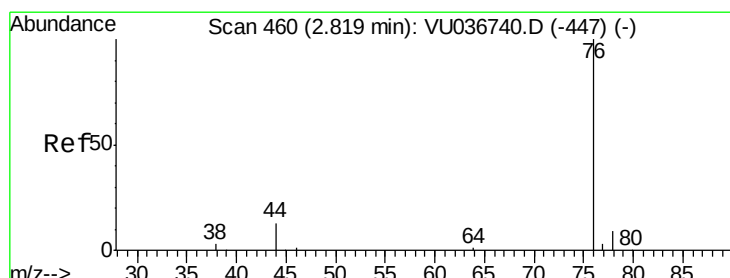
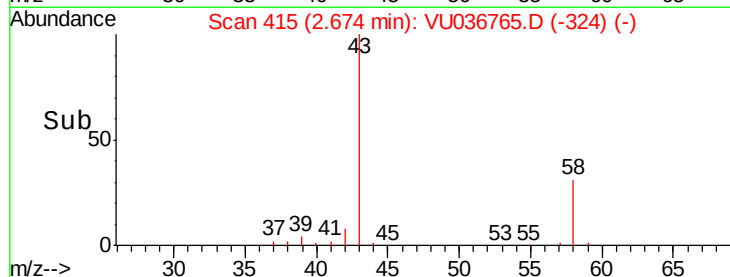
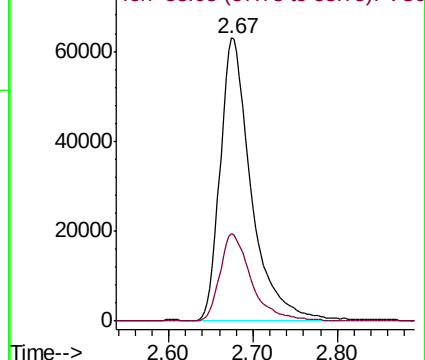
43 100

58 31.3 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036740.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036740.D (-401) (-)



#14

Carbon disulfide

Concen: 4.775 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036765.D

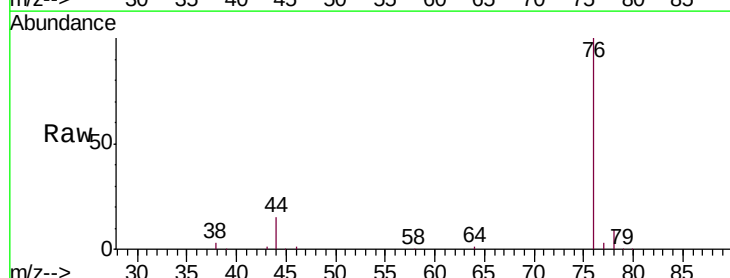
Acq: 13 Feb 2020 11:41

Tgt Ion: 76 Resp: 89400

Ion Ratio Lower Upper

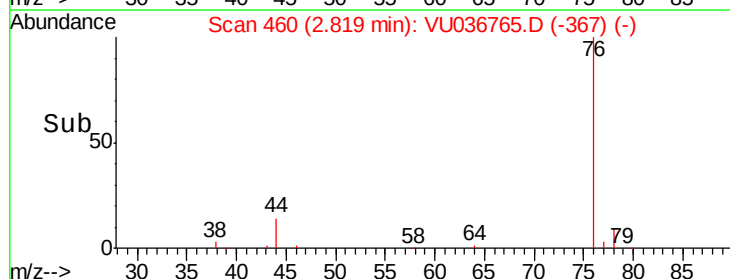
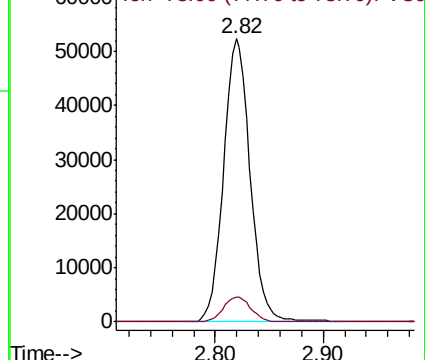
76 100

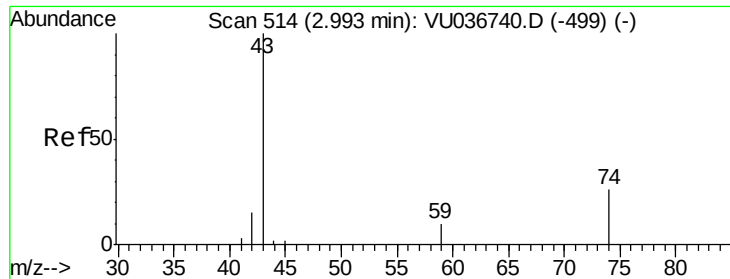
78 8.8 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036740.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036740.D (-447) (-)

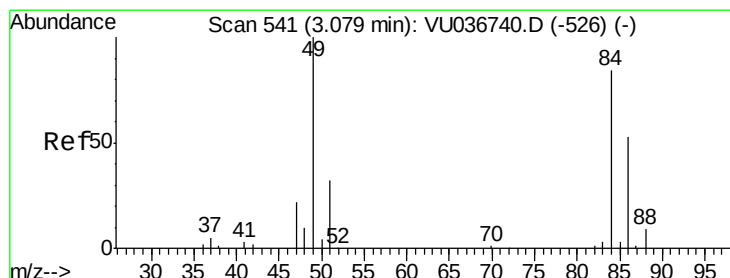
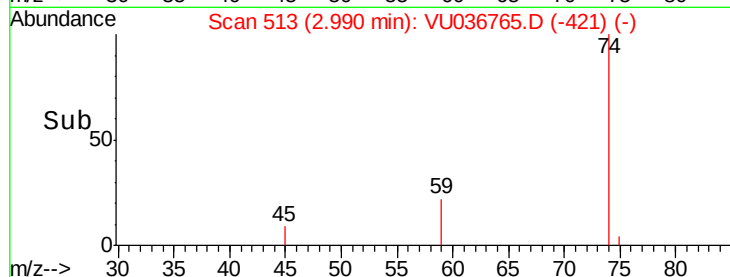
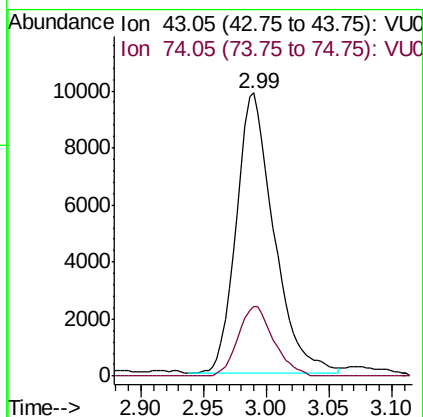
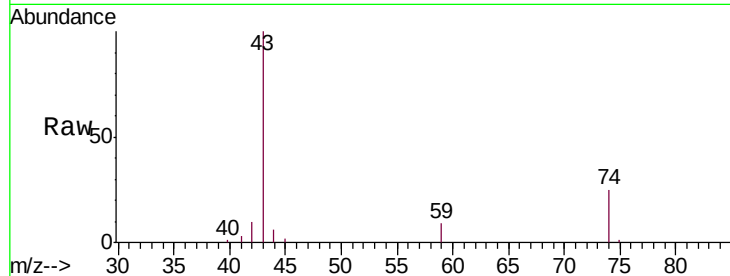




#15
Methyl Acetate
Concen: 5.238 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU036765.D
Acq: 13 Feb 2020 11:41

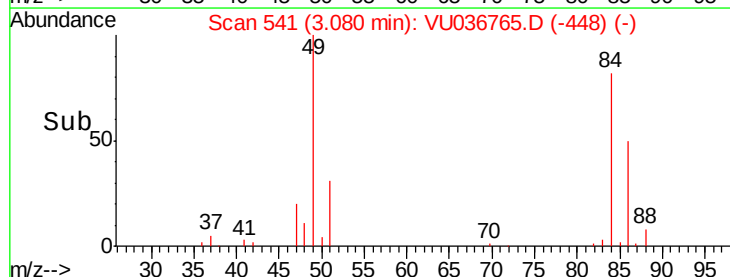
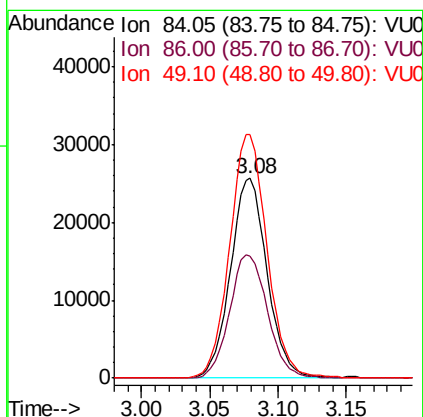
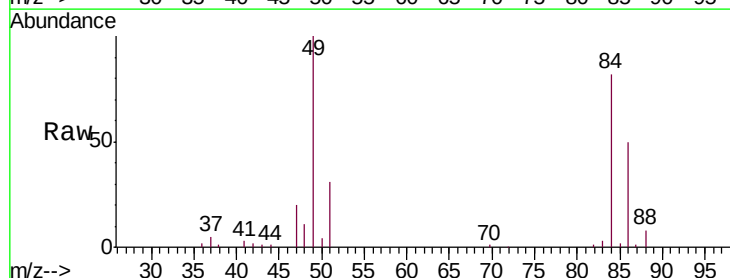
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

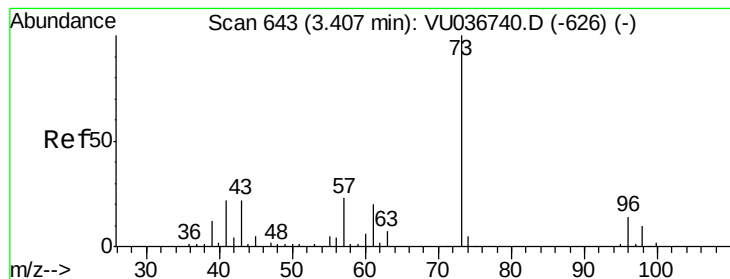
Tgt Ion: 43 Resp: 20442
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.4



#16
Methylene chloride
Concen: 3.666 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036765.D
Acq: 13 Feb 2020 11:41

Tgt Ion: 84 Resp: 47944
Ion Ratio Lower Upper
84 100
86 61.3 44.7 82.9
49 122.0 86.7 160.9





#17

Methyl tert-butyl Ether

Concen: 5.222 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

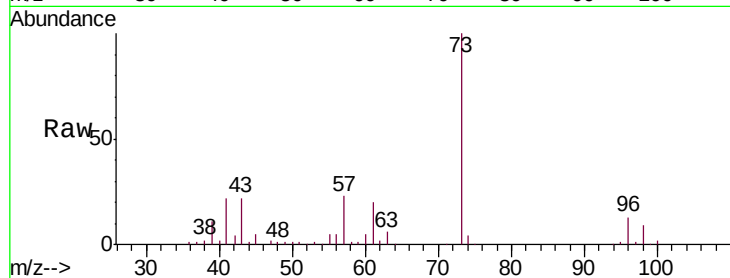
Tgt Ion: 73 Resp: 120001

Ion Ratio Lower Upper

73 100

43 22.7 18.7 28.1

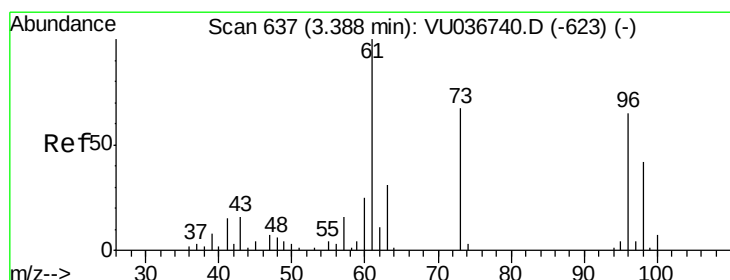
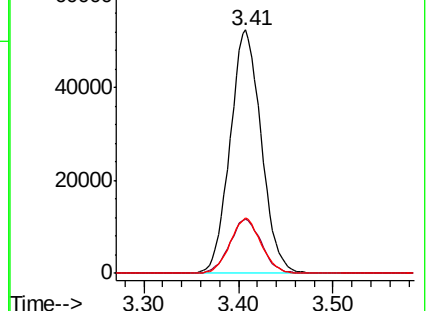
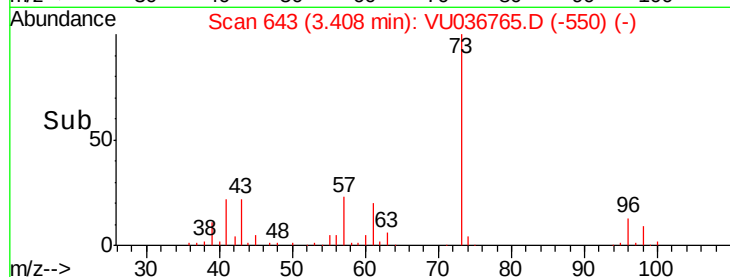
57 22.4 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU036740.D (-626) (-)

Ion 43.05 (42.75 to 43.75): VU036740.D (-626) (-)

Ion 57.10 (56.80 to 57.80): VU036740.D (-626) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.141 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

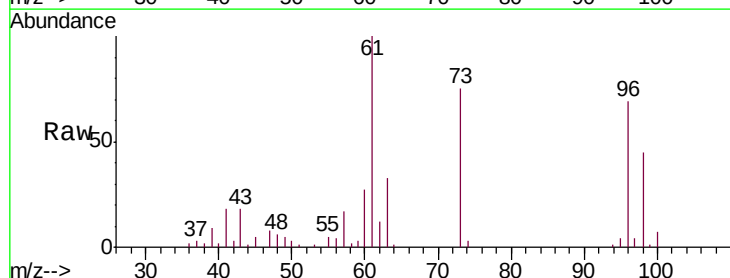
Tgt Ion: 96 Resp: 41159

Ion Ratio Lower Upper

96 100

61 145.5 102.6 190.5

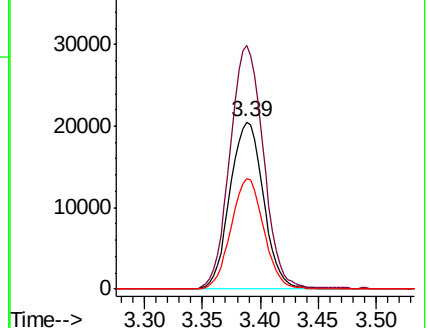
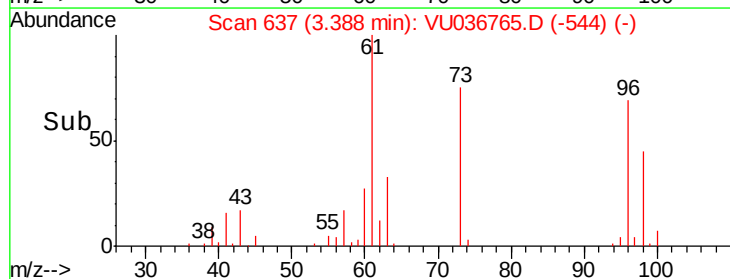
98 66.0 44.5 82.7

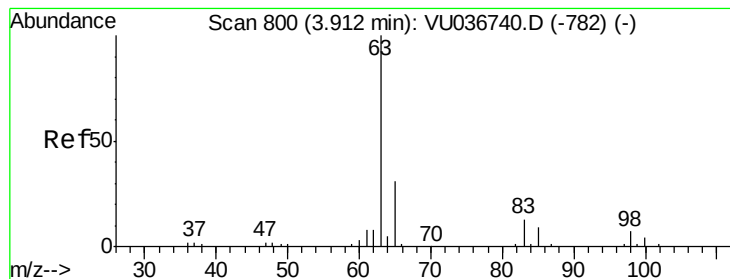


Abundance Ion 96.00 (95.70 to 96.70): VU036740.D (-623) (-)

Ion 61.05 (60.75 to 61.75): VU036740.D (-623) (-)

Ion 97.95 (97.65 to 98.65): VU036740.D (-623) (-)





#19

1,1-Dichloroethane

Concen: 5.195 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

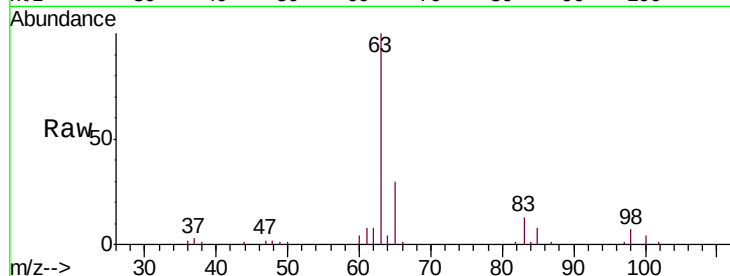
Tgt Ion: 63 Resp: 87219

Ion Ratio Lower Upper

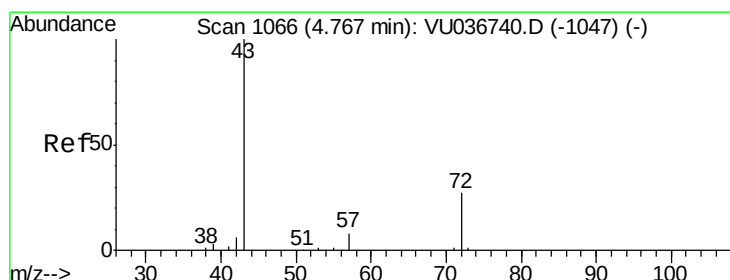
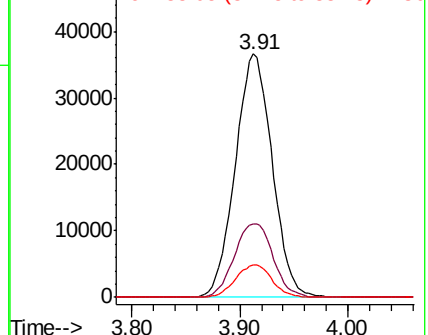
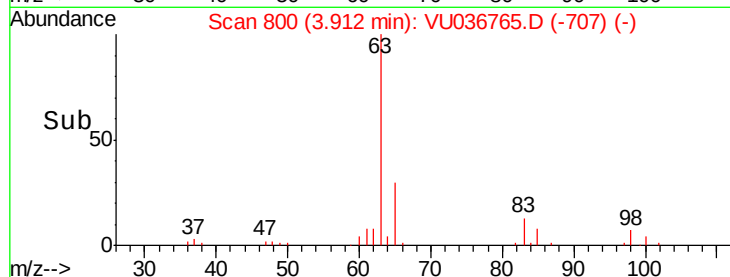
63 100

65 30.1 21.6 40.2

83 13.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU036765.D (-707) (-)



#21

2-Butanone

Concen: 54.902 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VU036765.D

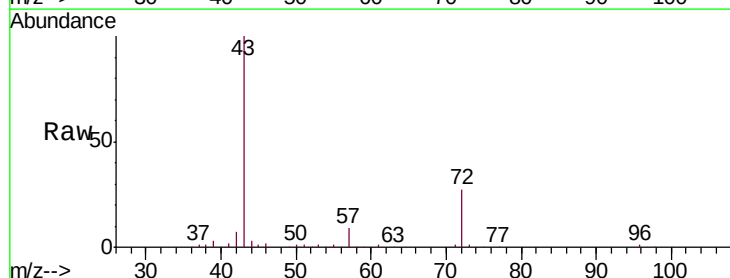
Acq: 13 Feb 2020 11:41

Tgt Ion: 43 Resp: 187849

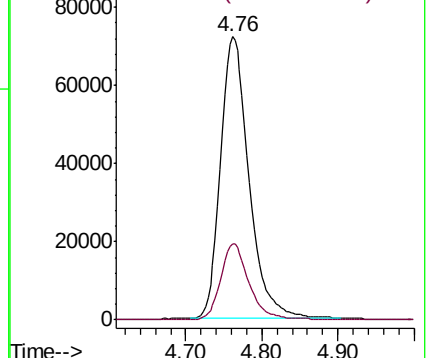
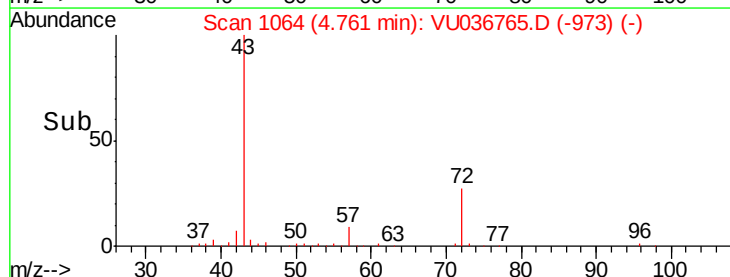
Ion Ratio Lower Upper

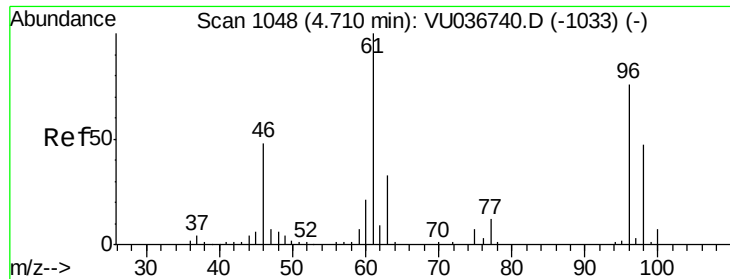
43 100

72 26.3 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU036765.D (-973) (-)

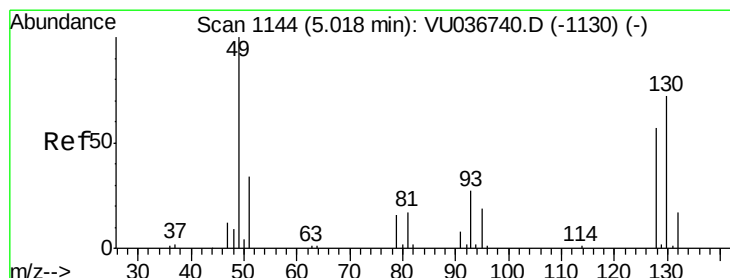
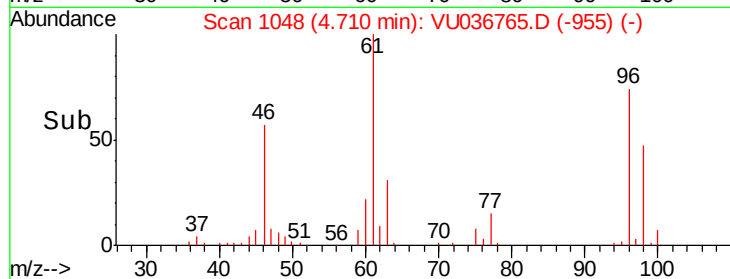
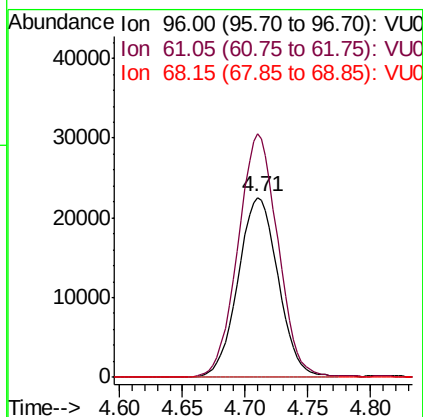
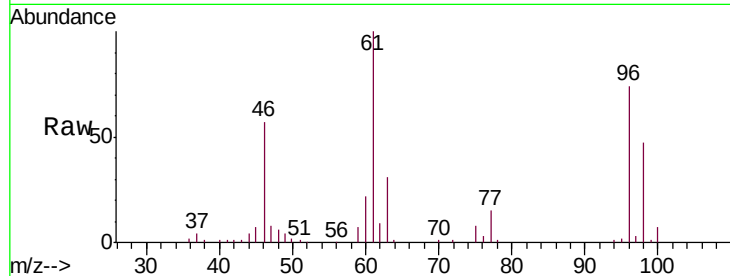




#22
 cis-1,2-Dichloroethene
 Concen: 5.194 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

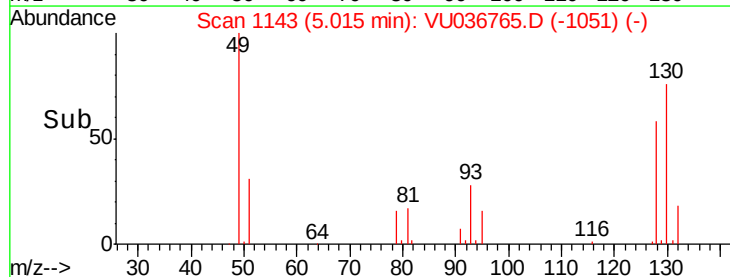
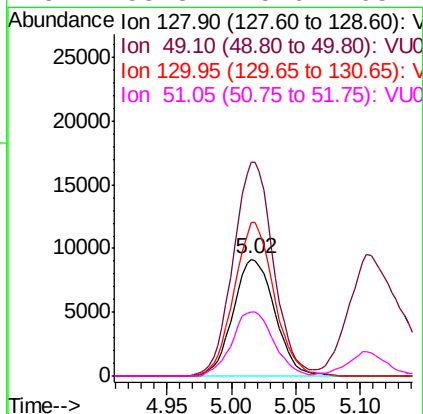
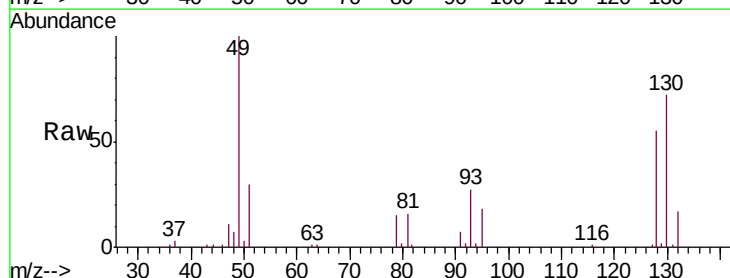
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

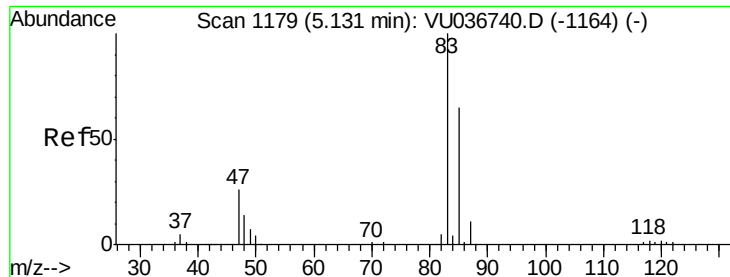
Tgt Ion: 96 Resp: 50323
 Ion Ratio Lower Upper
 96 100
 61 135.5 91.2 169.4
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.330 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Tgt Ion: 128 Resp: 20530
 Ion Ratio Lower Upper
 128 100
 49 183.2 132.4 245.8
 130 131.8 89.0 165.2
 51 55.3 45.6 68.4

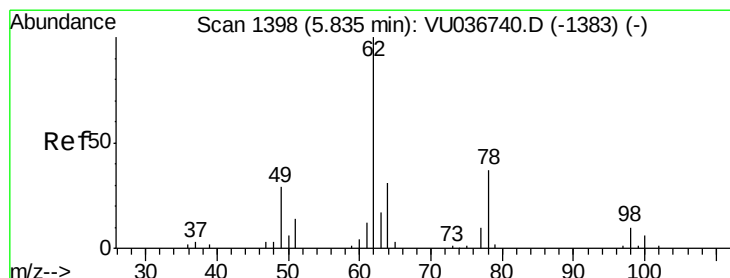
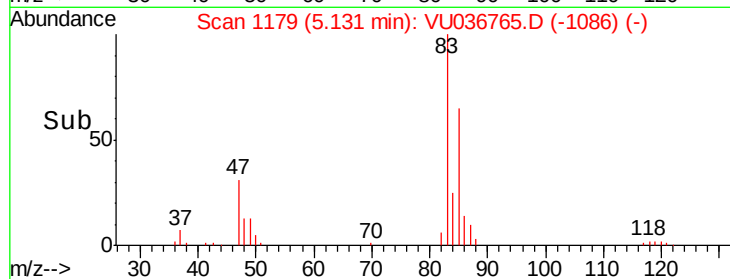
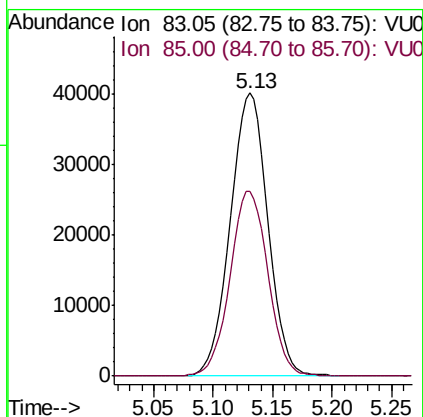
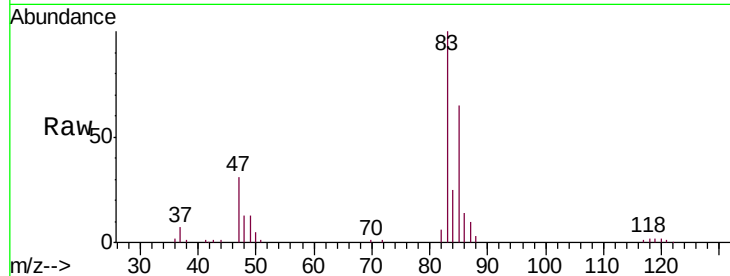




#25
Chloroform
Concen: 4.902 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036765.D
Acq: 13 Feb 2020 11:41

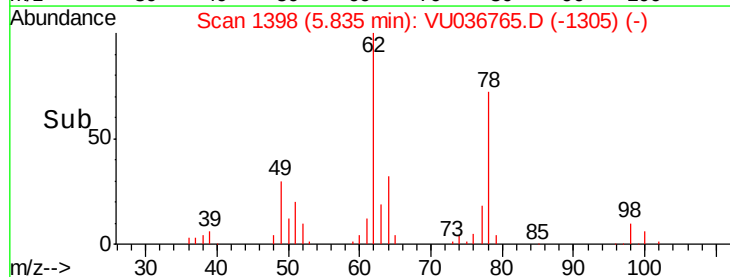
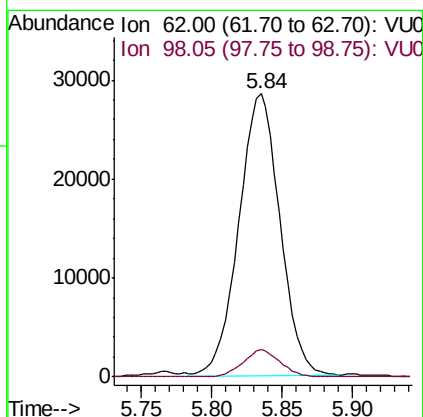
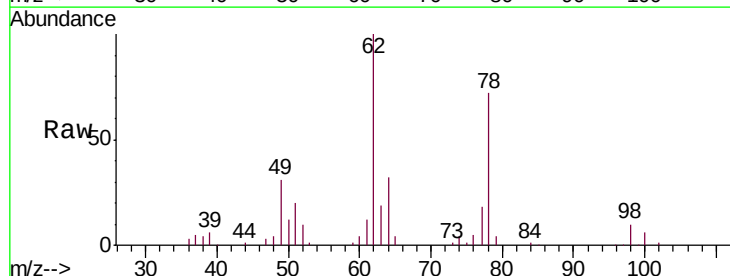
Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

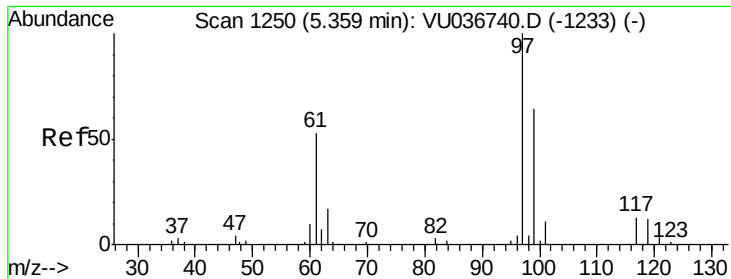
Tgt Ion: 83 Resp: 87888
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.081 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036765.D
Acq: 13 Feb 2020 11:41

Tgt Ion: 62 Resp: 58069
Ion Ratio Lower Upper
62 100
98 9.7 7.0 10.4

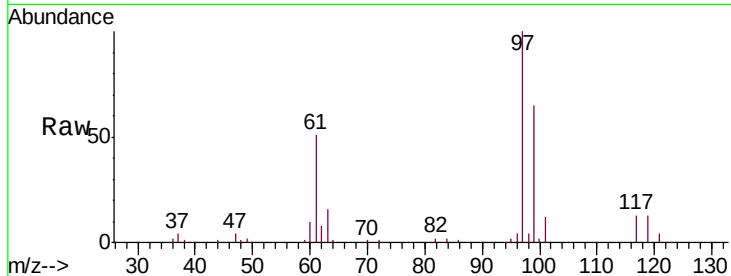




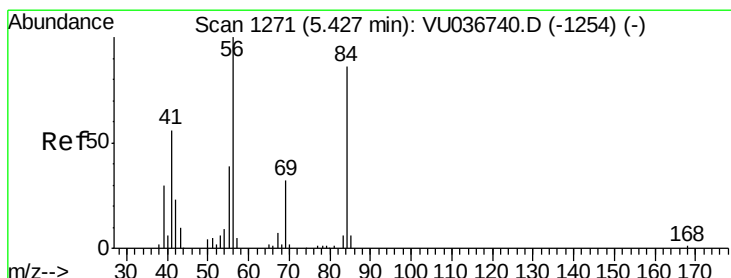
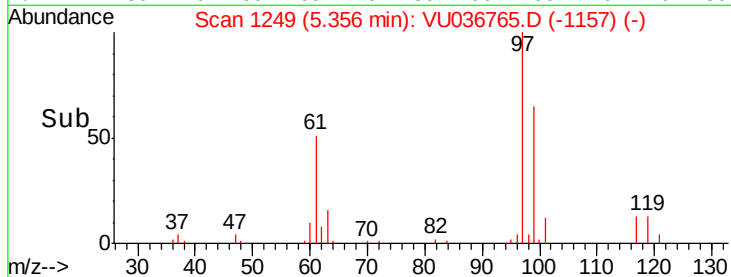
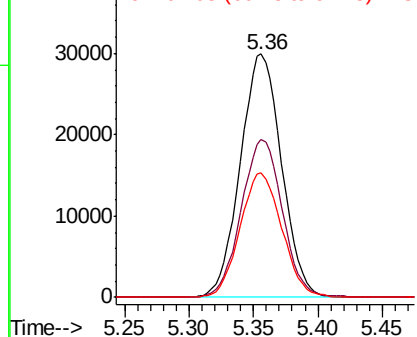
#29
 1,1,1-Trichloroethane
 Concen: 5.199 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 97 Resp: 66785
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.0 76.4
 61 51.6 41.6 62.4

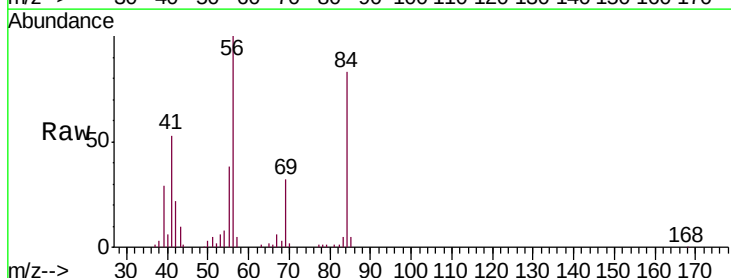


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

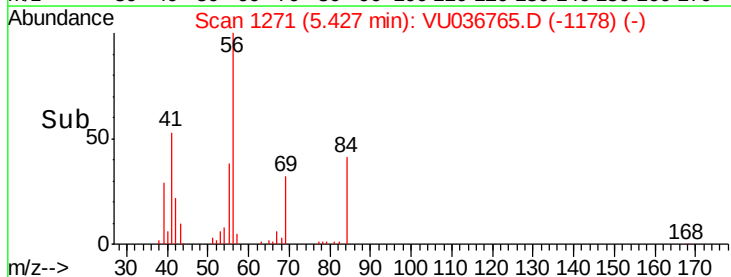
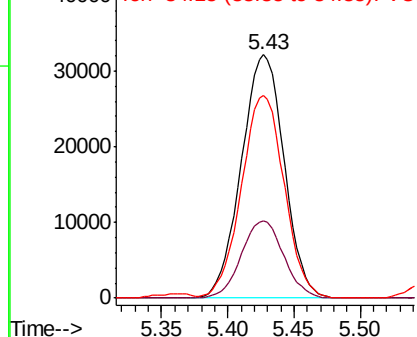


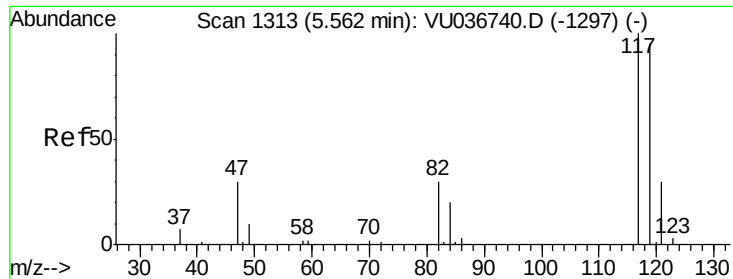
#30
 Cyclohexane
 Concen: 5.299 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Tgt Ion: 56 Resp: 72305
 Ion Ratio Lower Upper
 56 100
 69 31.3 24.6 37.0
 84 83.6 70.0 105.0



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.142 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

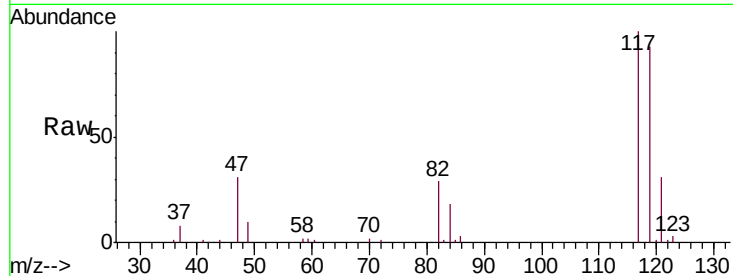
VSTD00516

Tgt Ion:117 Resp: 53288

Ion Ratio Lower Upper

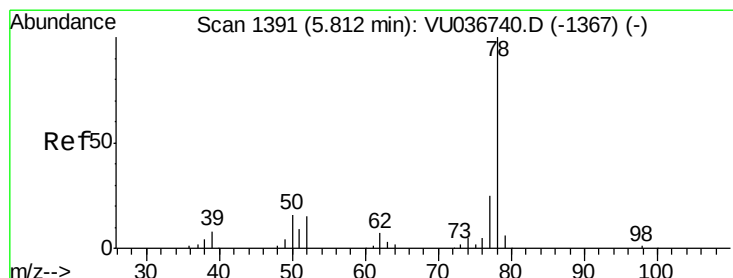
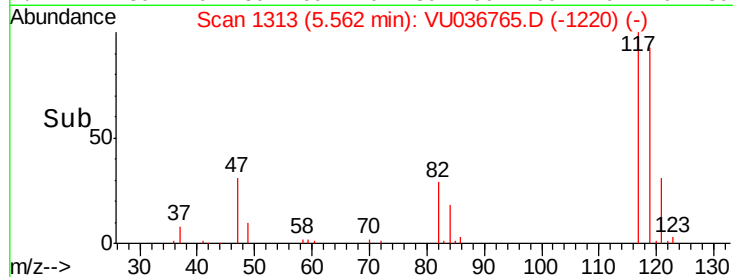
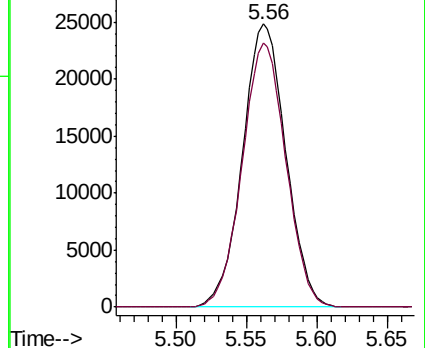
117 100

119 94.0 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.231 ug/L

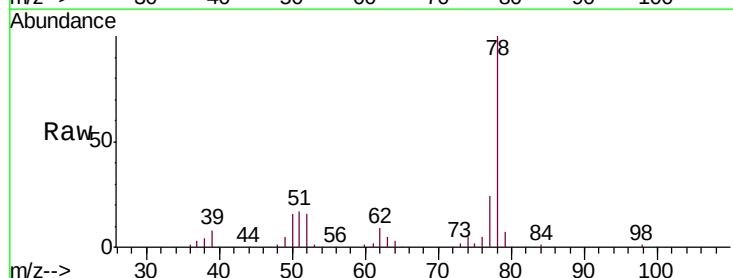
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

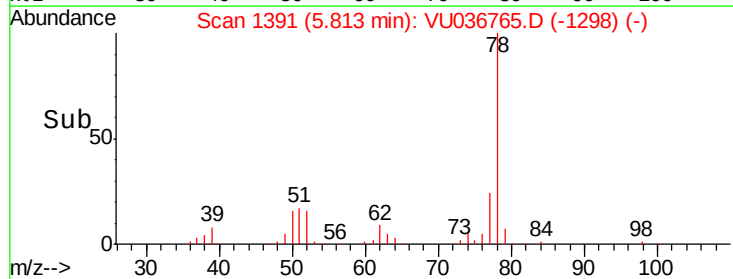
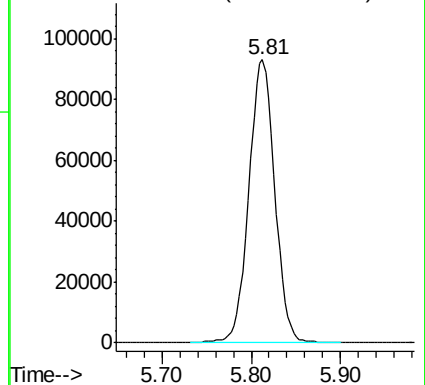
Lab File: VU036765.D

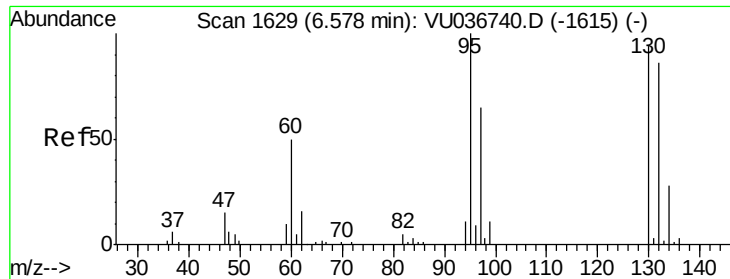
Acq: 13 Feb 2020 11:41

Tgt Ion: 78 Resp: 188716



Abundance Ion 78.10 (77.80 to 78.80): VU0

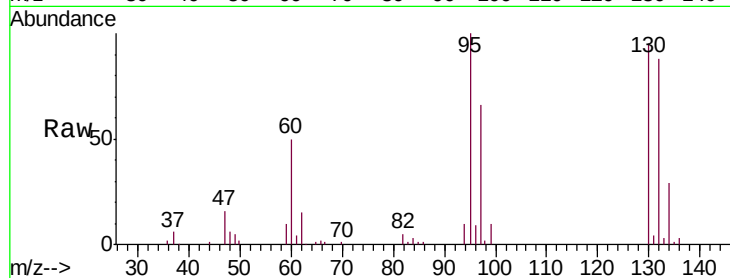




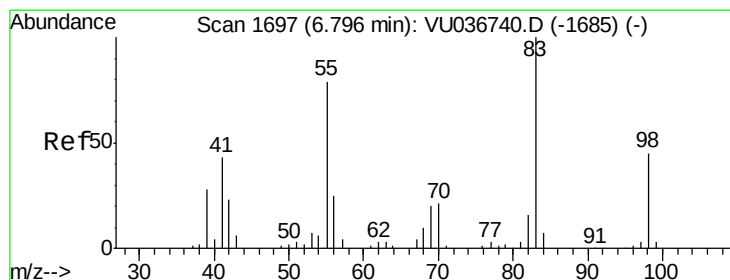
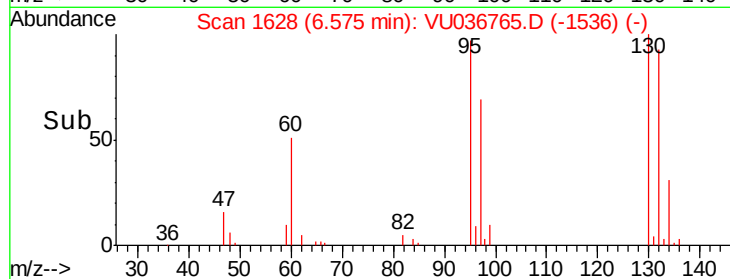
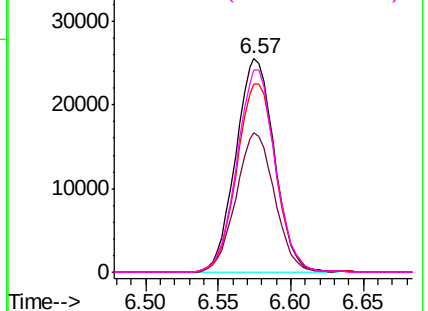
#34
 Trichloroethene
 Concen: 5.154 ug/L
 RT: 6.57 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 95 Resp: 47358
 Ion Ratio Lower Upper
 95 100
 97 65.6 45.6 84.8
 132 88.0 62.8 116.6
 130 94.9 63.8 118.4

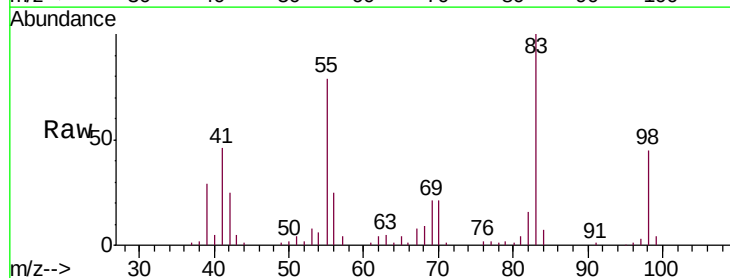


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

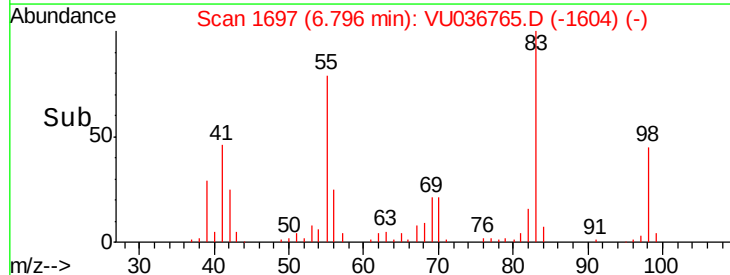
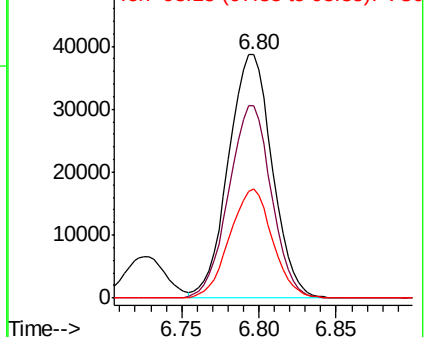


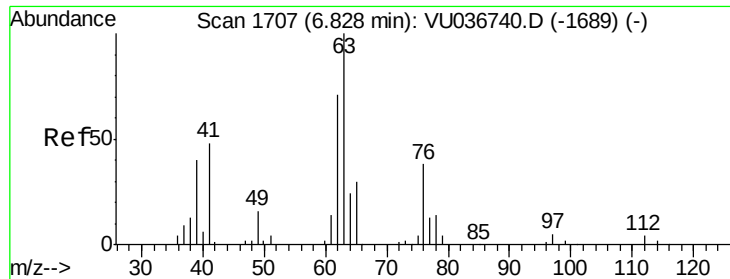
#35
 Methylcyclohexane
 Concen: 5.224 ug/L
 RT: 6.80 min Scan# 1697
 Delta R.T. 0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Tgt Ion: 83 Resp: 76173
 Ion Ratio Lower Upper
 83 100
 55 76.9 61.0 91.4
 98 43.9 34.2 51.4



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

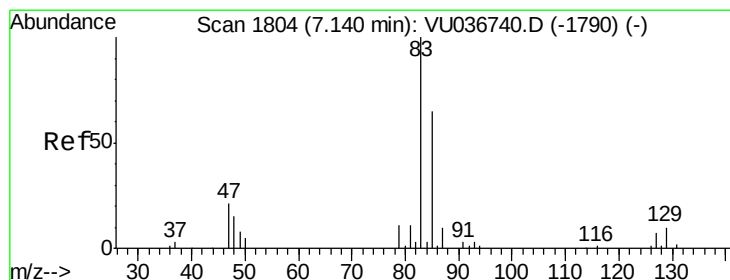
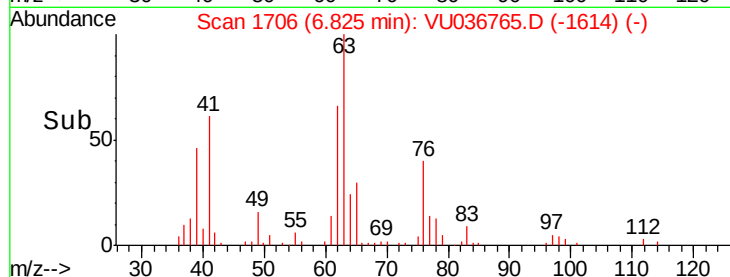
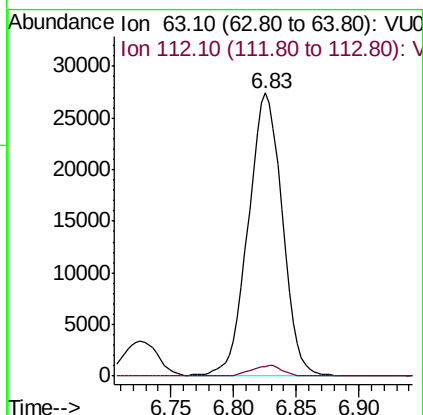
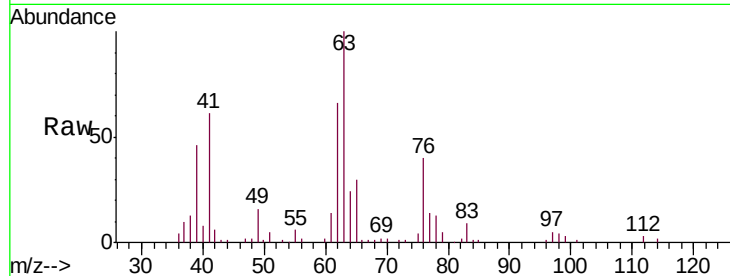




#37
 1,2-Dichloropropane
 Concen: 5.288 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

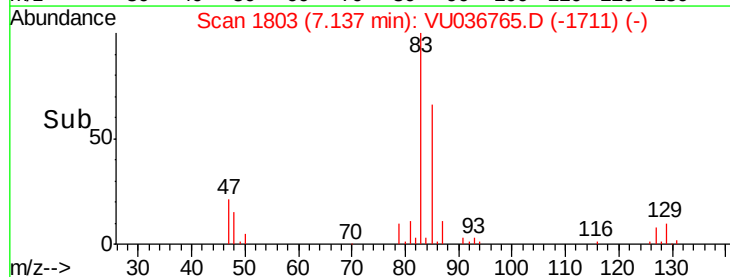
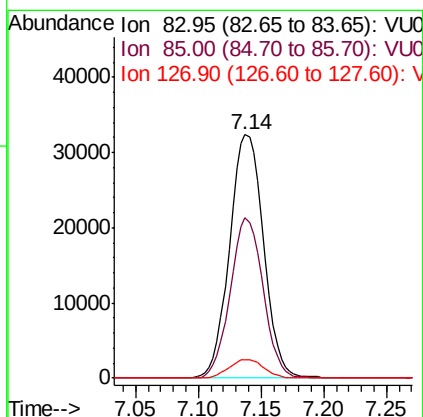
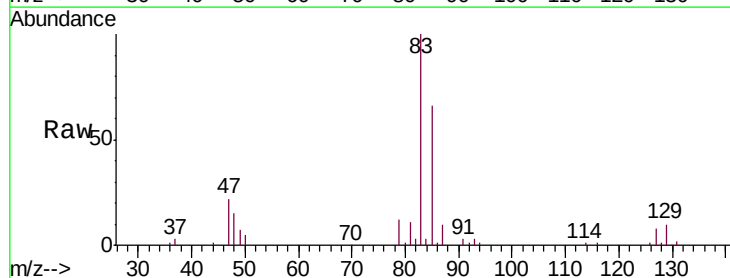
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

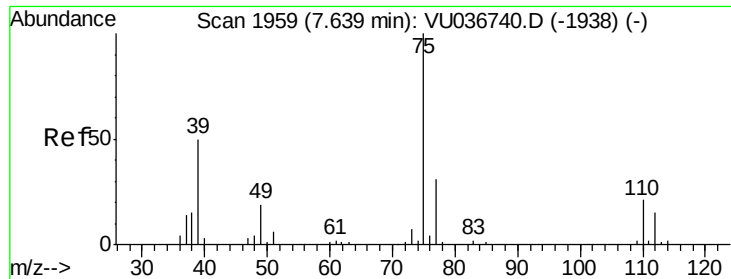
Tgt Ion: 63 Resp: 52085
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.186 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Tgt Ion: 83 Resp: 60965
 Ion Ratio Lower Upper
 83 100
 85 65.6 43.0 80.0
 127 7.5 6.3 9.5

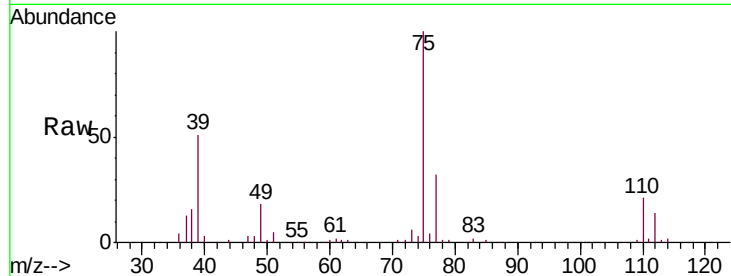




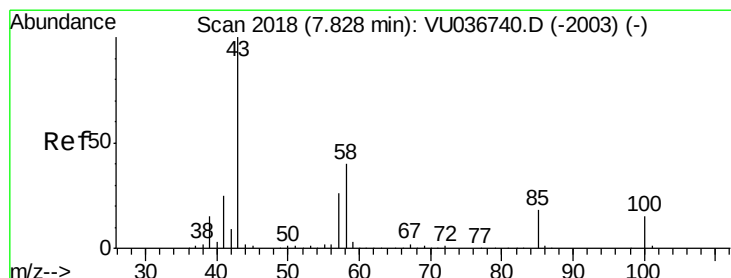
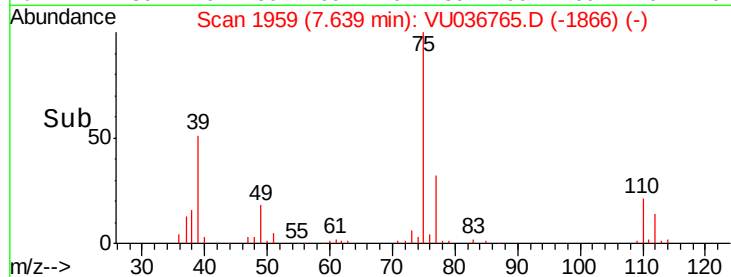
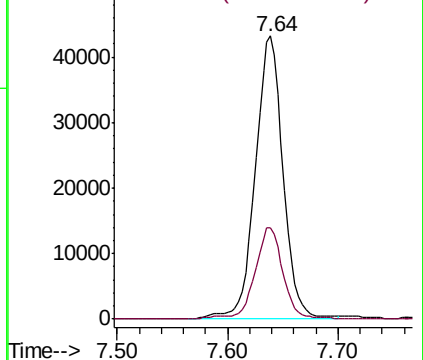
#39
 cis-1,3-Dichloropropene
 Concen: 5.310 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion: 75 Resp: 75689
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.5 41.9

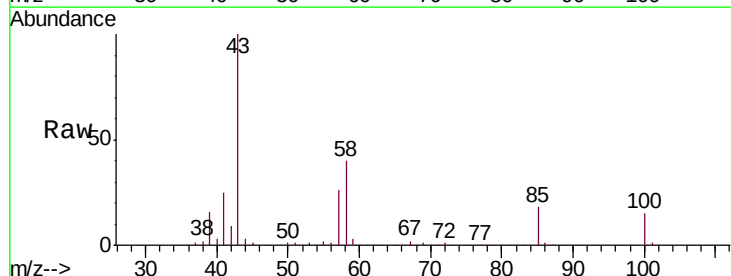


Abundance Ion 75.05 (74.75 to 75.75): VU036740.D (-1938) (-)
 Ion 77.05 (76.75 to 77.75): VU036740.D (-1938) (-)

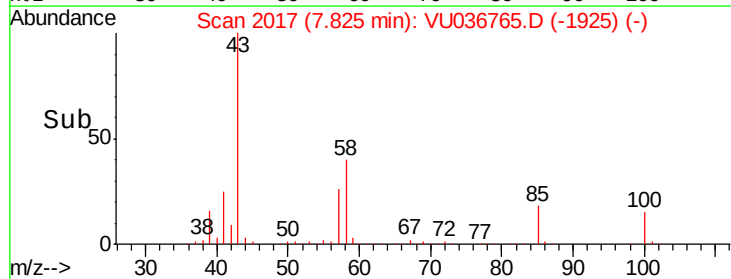
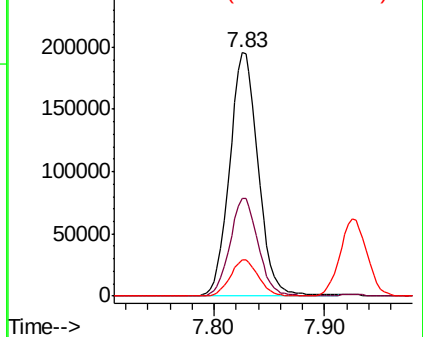


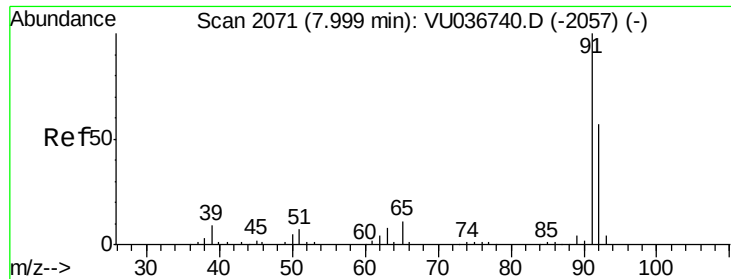
#40
 4-Methyl-2-pentanone
 Concen: 55.201 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Tgt Ion: 43 Resp: 350888
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.0 48.0
 100 14.8 11.8 17.8



Abundance Ion 43.05 (42.75 to 43.75): VU036740.D (-2003) (-)
 Ion 58.05 (57.75 to 58.75): VU036740.D (-2003) (-)
 Ion 100.15 (99.85 to 100.85): VU036740.D (-2003) (-)





#42

Toluene

Concen: 5.252 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

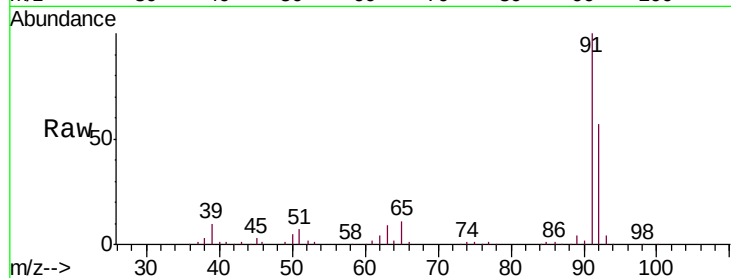
VSTD00516

Tgt Ion: 91 Resp: 203499

Ion Ratio Lower Upper

91 100

92 56.7 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036740.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036740.D (-2057) (-)

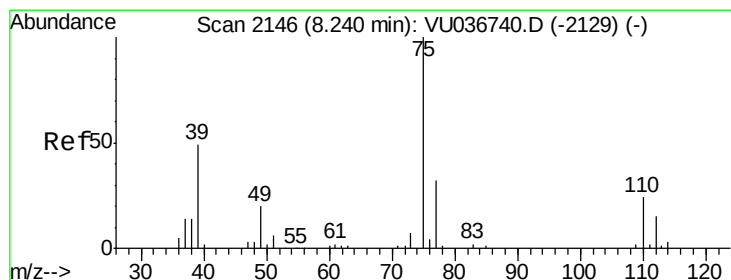
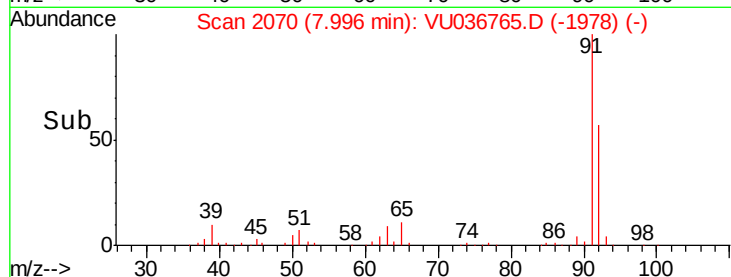
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.348 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036765.D

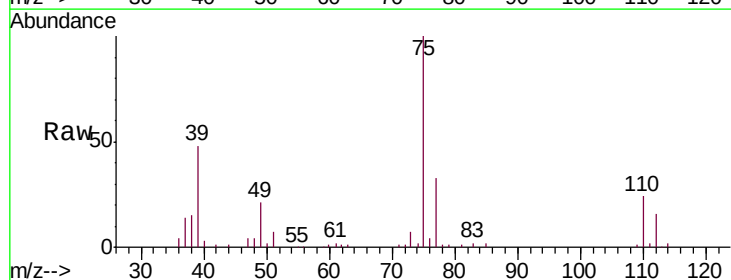
Acq: 13 Feb 2020 11:41

Tgt Ion: 75 Resp: 59570

Ion Ratio Lower Upper

75 100

77 32.8 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036740.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036740.D (-2129) (-)

8.24

40000

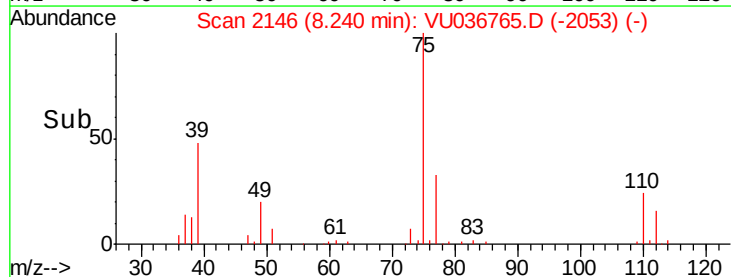
30000

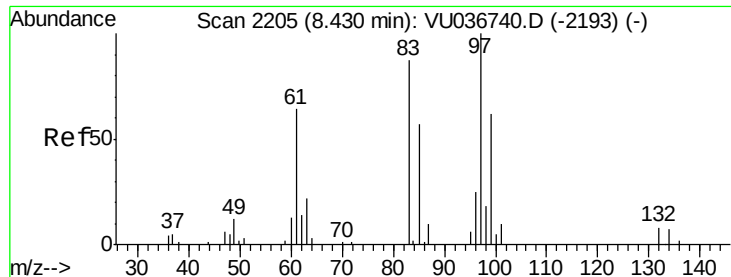
20000

10000

0

Time-->

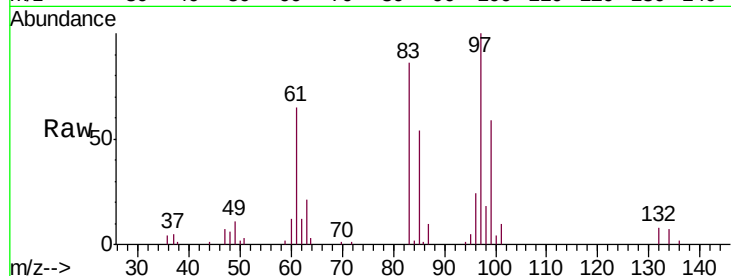




#45
 1,1,2-Trichloroethane
 Concen: 5.316 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion:	97	Resp:	36431
Ion	Ratio	Lower	Upper
97	100		
99	58.8	44.1	81.9
83	85.9	63.5	117.9
85	54.3	41.2	76.4



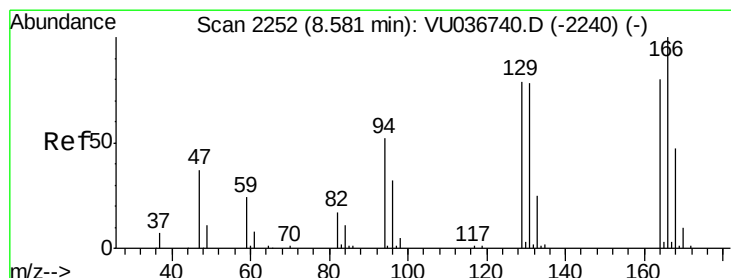
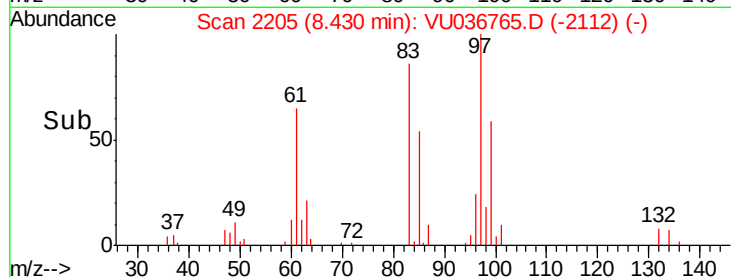
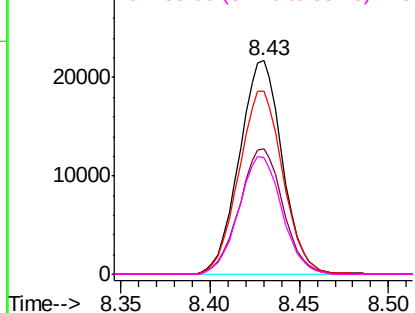
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

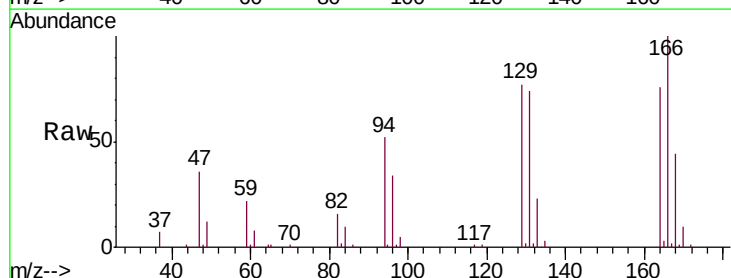
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.096 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Tgt Ion:	164	Resp:	31853
Ion	Ratio	Lower	Upper
164	100		
129	102.0	68.0	126.4
131	97.8	69.4	128.8
166	132.2	86.6	160.8



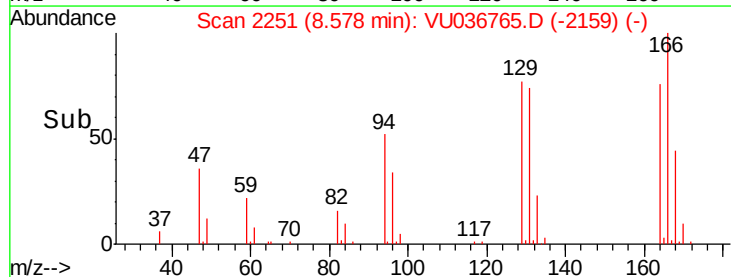
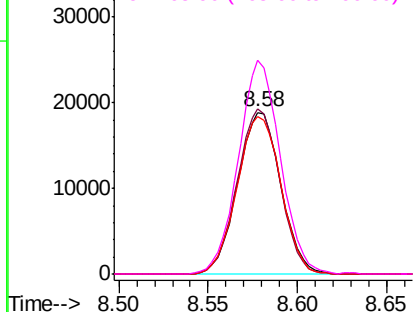
Abundance

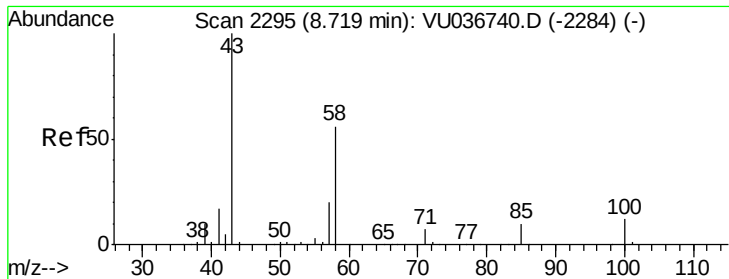
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 56.107 ug/L

RT: 8.72 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

Tgt Ion: 43 Resp: 305206

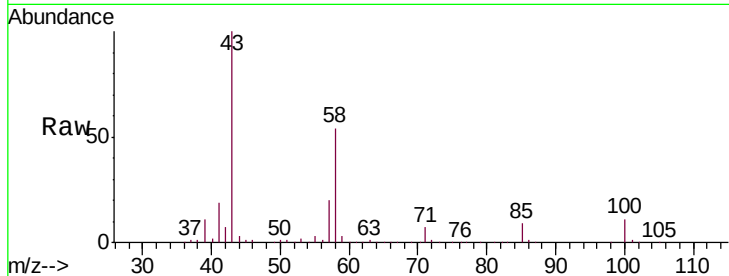
Ion Ratio Lower Upper

43 100

58 54.6 43.6 65.4

57 19.0 15.0 22.4

100 11.0 9.0 13.6



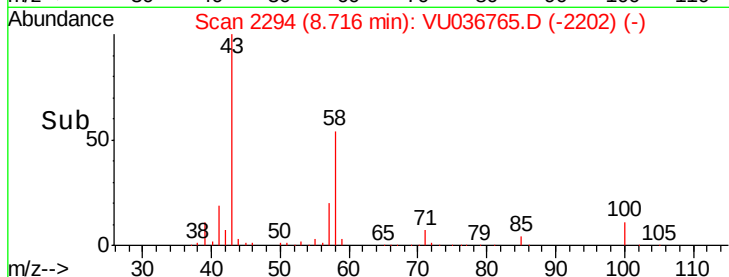
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

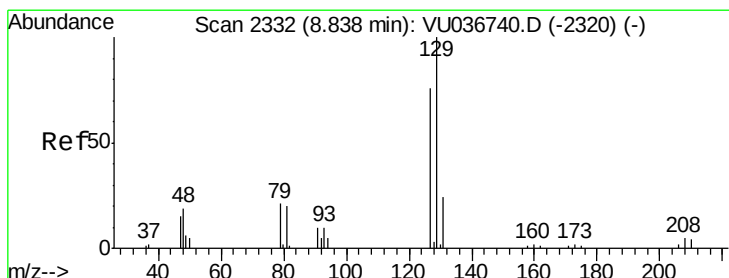
Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

Time-->



Time-->



#49

Dibromochloromethane

Concen: 5.325 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU036765.D

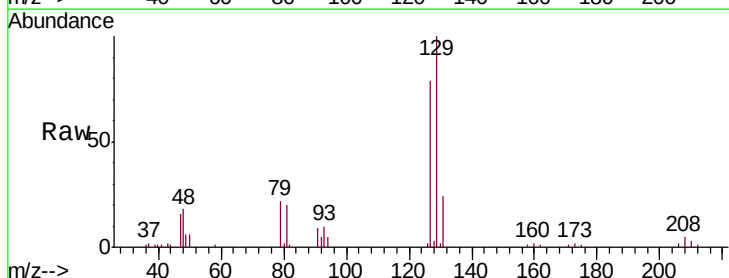
Acq: 13 Feb 2020 11:41

Tgt Ion: 129 Resp: 37736

Ion Ratio Lower Upper

129 100

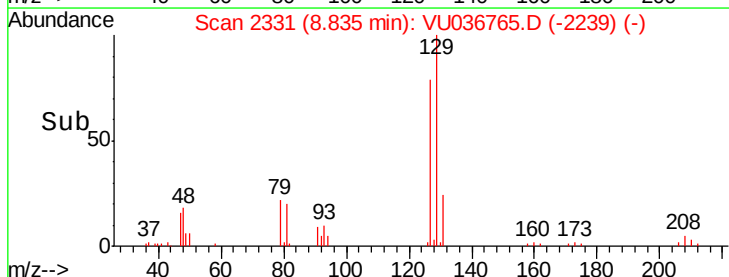
127 78.8 56.7 105.3



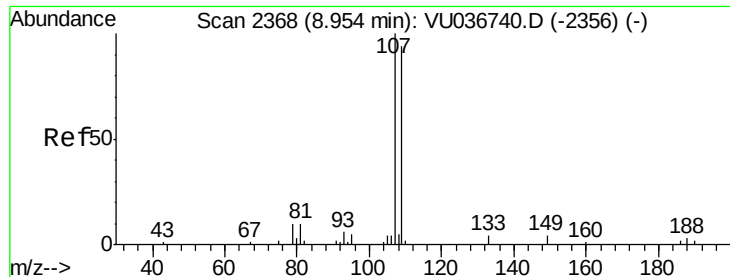
Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

Time-->



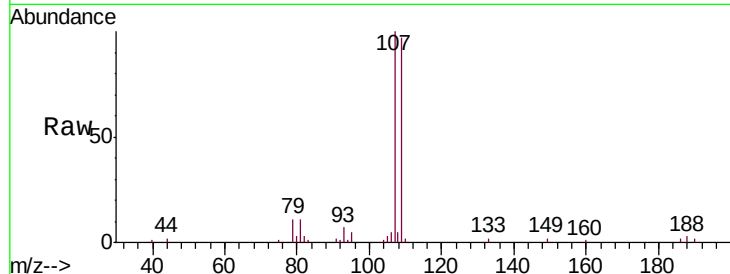
Time-->



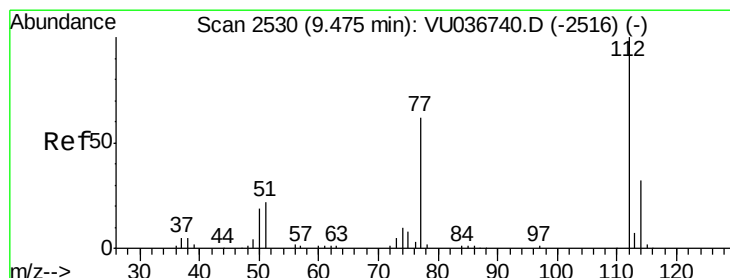
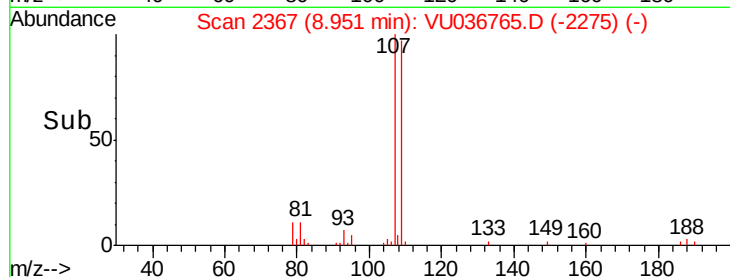
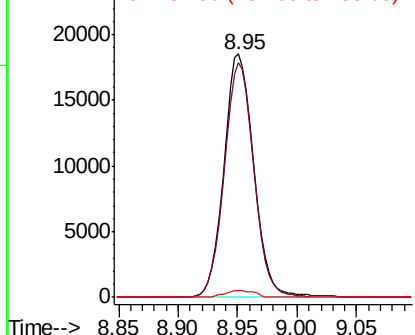
#50
1,2-Dibromoethane
Concen: 5.216 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036765.D
Acq: 13 Feb 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tgt Ion:107 Resp: 32282
Ion Ratio Lower Upper
107 100
109 96.6 66.4 123.2
188 3.0 2.4 3.6

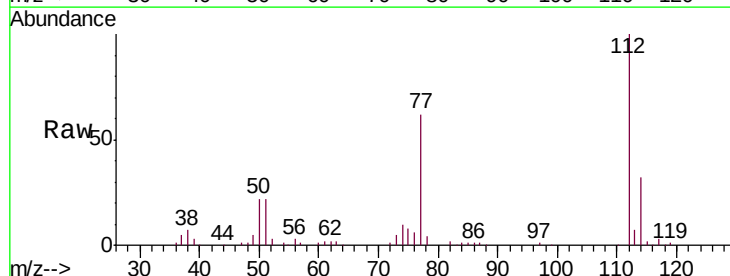


Abundance Ion 106.95 (106.65 to 107.65): V
25000 Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

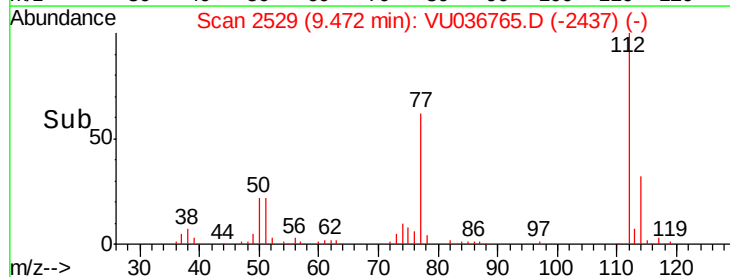
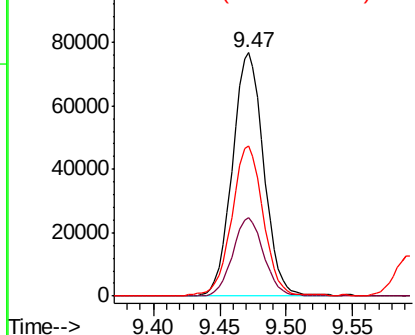


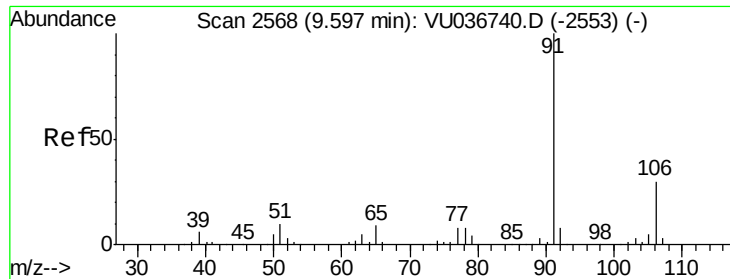
#51
Chlorobenzene
Concen: 5.252 ug/L
RT: 9.47 min Scan# 2529
Delta R.T. -0.00 min
Lab File: VU036765.D
Acq: 13 Feb 2020 11:41

Tgt Ion:112 Resp: 125897
Ion Ratio Lower Upper
112 100
114 32.4 22.9 42.5
77 61.9 51.0 76.4



Abundance Ion 112.10 (111.80 to 112.80): V
100000 Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 5.216 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

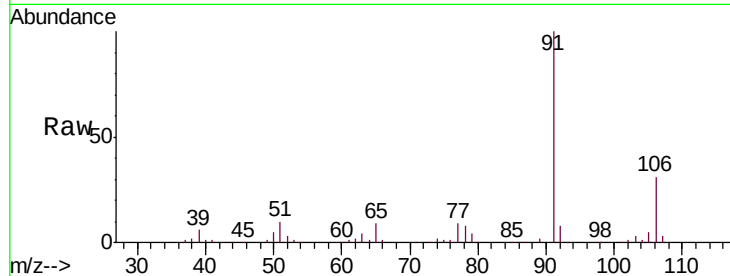
VSTD00516

Tgt Ion: 91 Resp: 225715

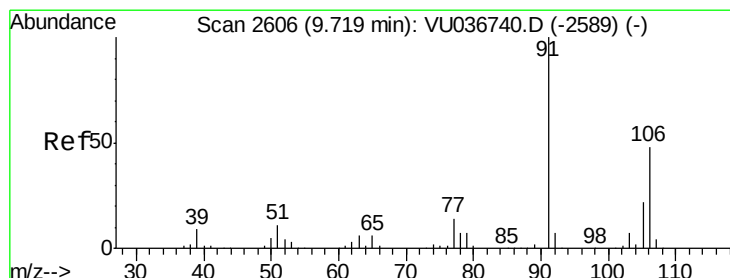
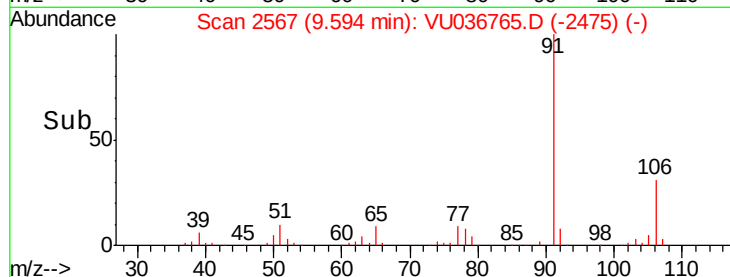
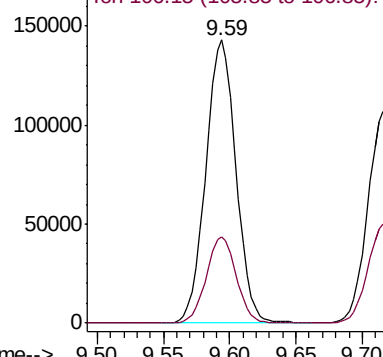
Ion Ratio Lower Upper

91 100

106 30.6 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036740.D (-2553) (-)



#53

m,p-Xylene

Concen: 5.189 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036765.D

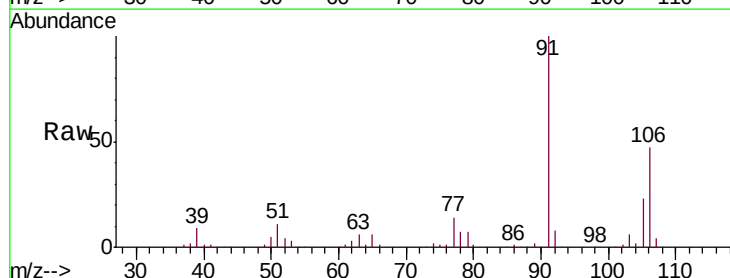
Acq: 13 Feb 2020 11:41

Tgt Ion: 106 Resp: 82635

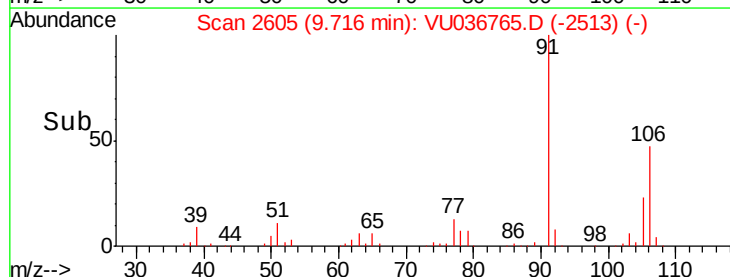
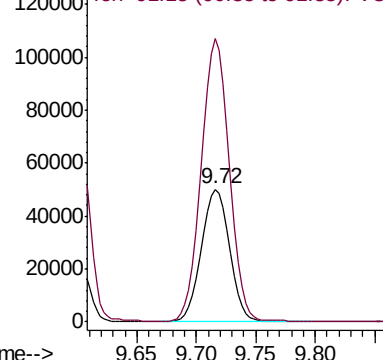
Ion Ratio Lower Upper

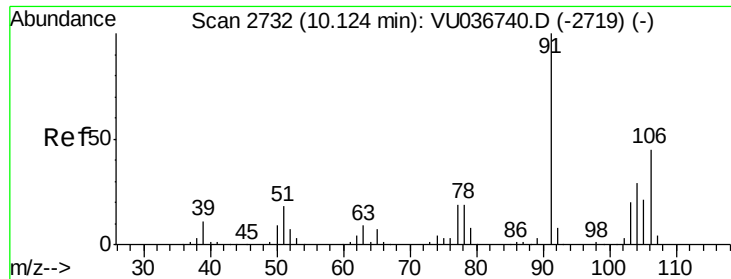
106 100

91 213.4 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036740.D (-2589) (-)

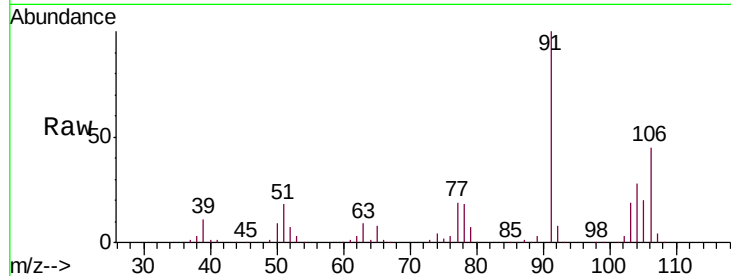




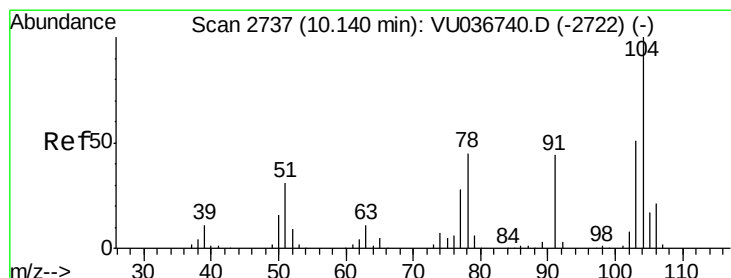
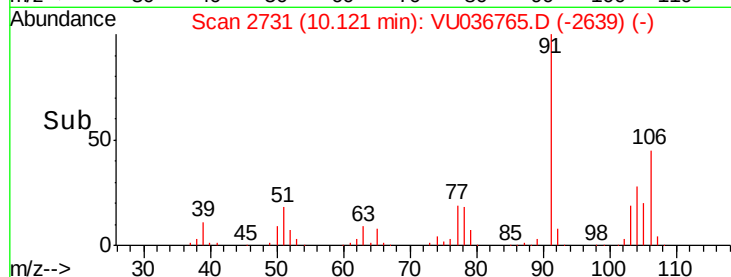
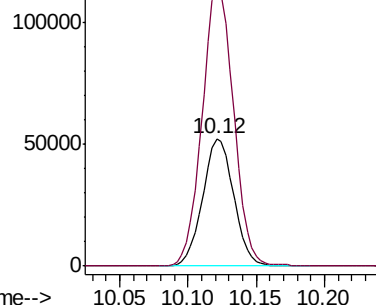
#54
o-Xylene
Concen: 5.301 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036765.D
Acq: 13 Feb 2020 11:41

Instrument :
MSVOA_U
ClientSampleId :
VSTD00516

Tgt Ion:106 Resp: 82906
Ion Ratio Lower Upper
106 100
91 222.4 151.1 280.5

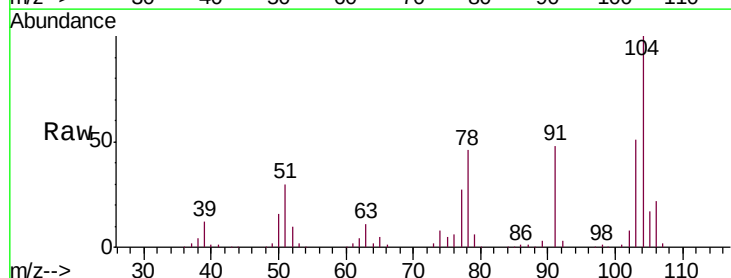


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

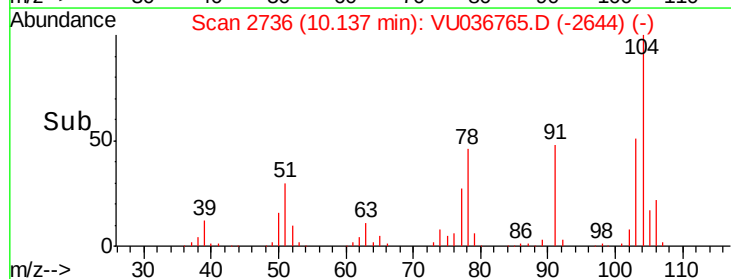
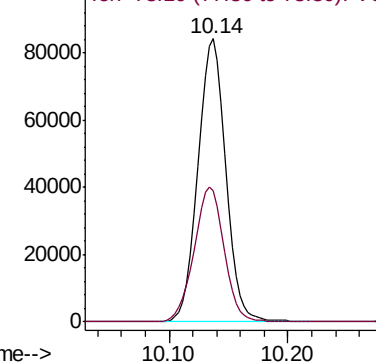


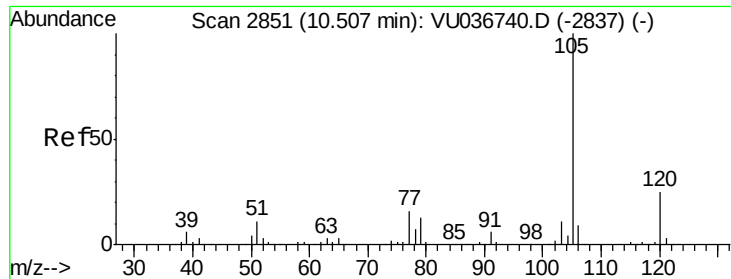
#55
Styrene
Concen: 5.191 ug/L
RT: 10.14 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VU036765.D
Acq: 13 Feb 2020 11:41

Tgt Ion:104 Resp: 136863
Ion Ratio Lower Upper
104 100
78 46.2 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.255 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

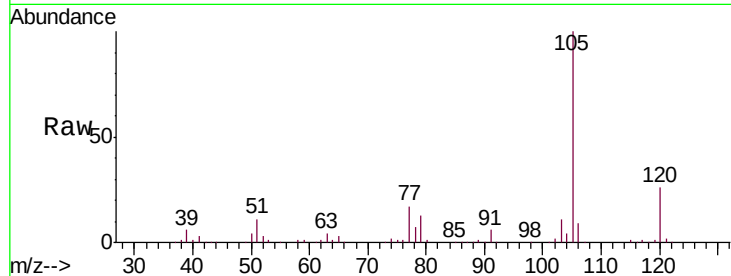
Tgt Ion: 105 Resp: 219952

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

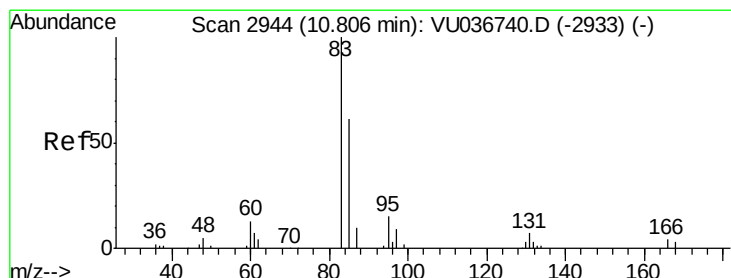
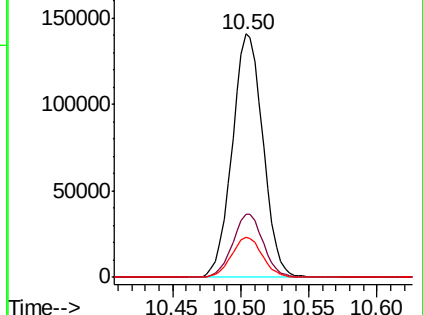
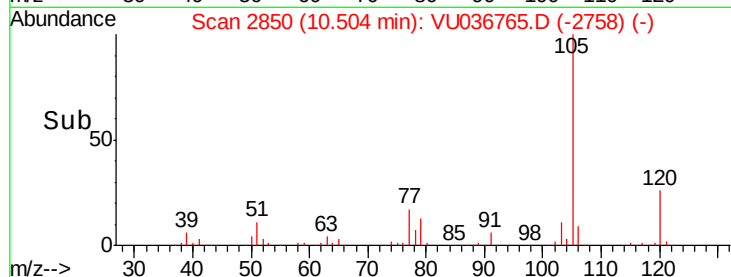
77 16.5 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.241 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

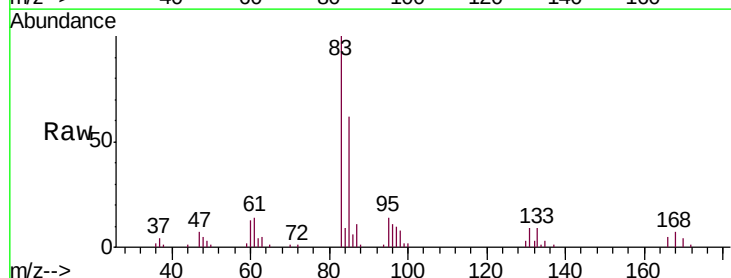
Tgt Ion: 83 Resp: 47012

Ion Ratio Lower Upper

83 100

85 61.8 45.6 84.6

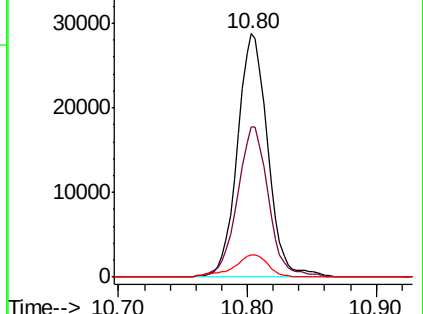
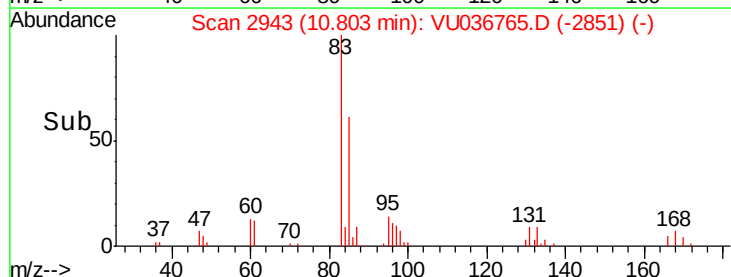
131 9.2 6.8 10.2

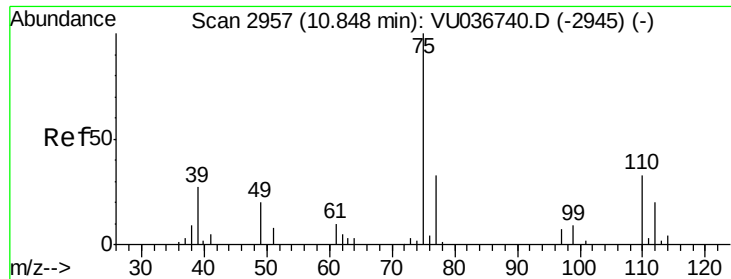


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

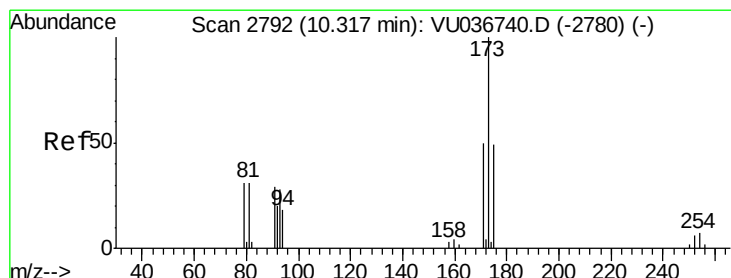
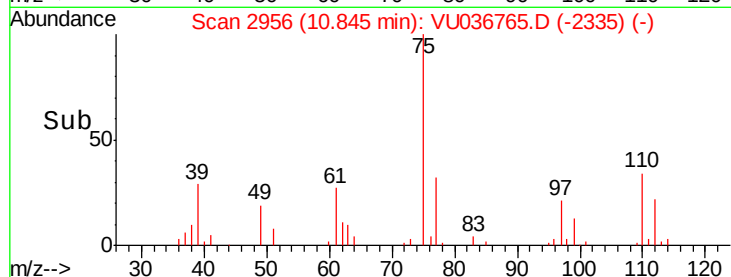
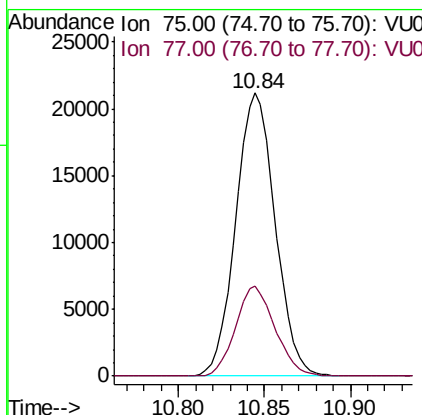
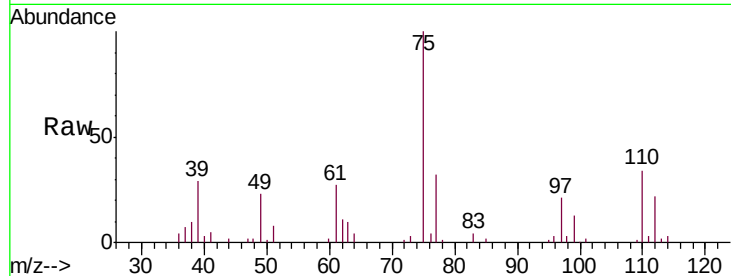




#59
 1,2,3-Trichloropropane
 Concen: 5.190 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

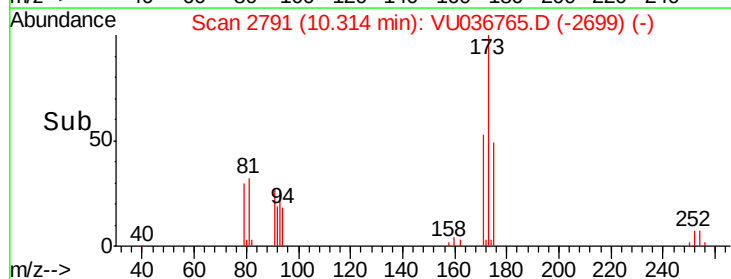
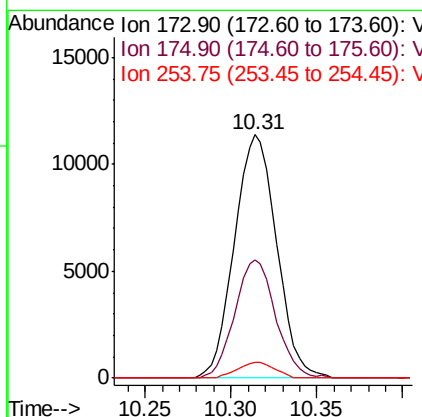
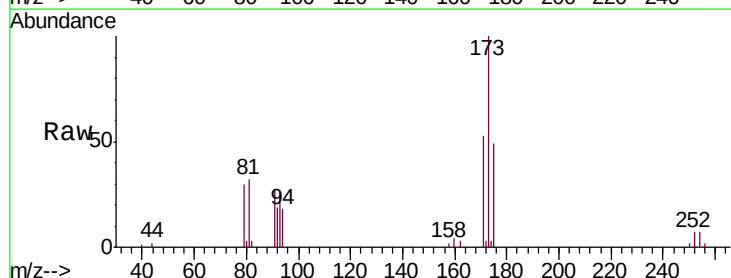
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

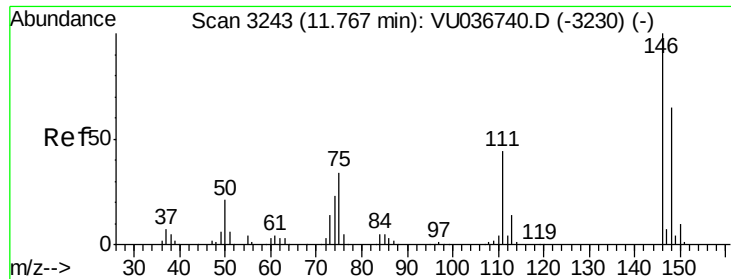
Tgt Ion: 75 Resp: 33757
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.6 38.4



#61
 Bromoform
 Concen: 5.225 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Tgt Ion: 173 Resp: 19366
 Ion Ratio Lower Upper
 173 100
 175 47.0 39.9 59.9
 254 5.6 4.6 6.8





#62

1,3-Dichlorobenzene

Concen: 5.053 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. -0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

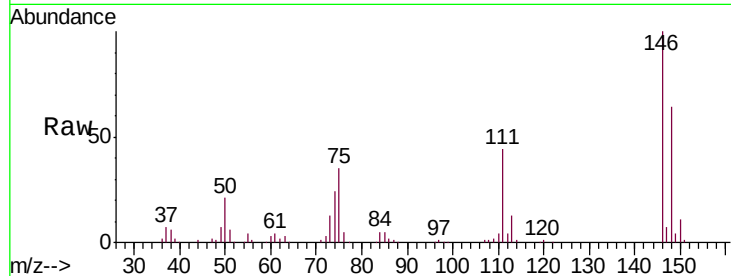
Tgt Ion:146 Resp: 93651

Ion Ratio Lower Upper

146 100

111 43.9 30.0 55.8

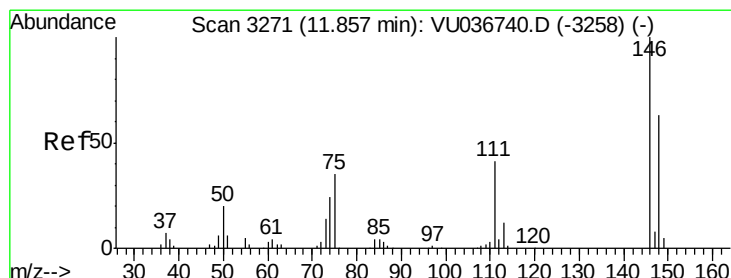
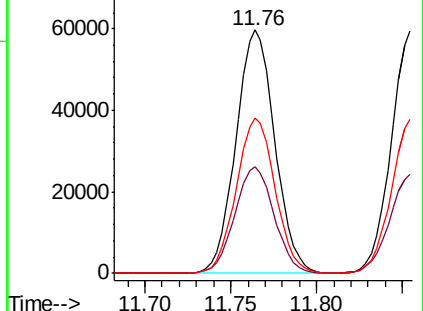
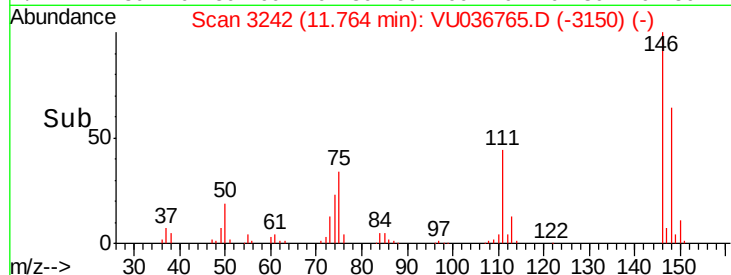
148 63.8 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.107 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

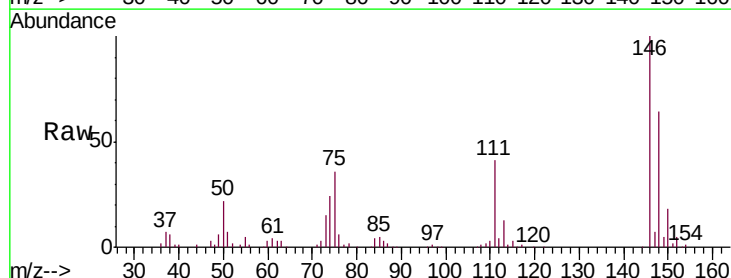
Tgt Ion:146 Resp: 93832

Ion Ratio Lower Upper

146 100

111 41.1 29.2 54.2

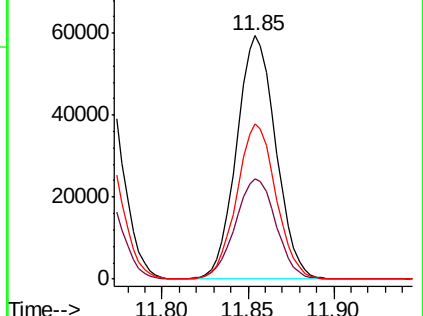
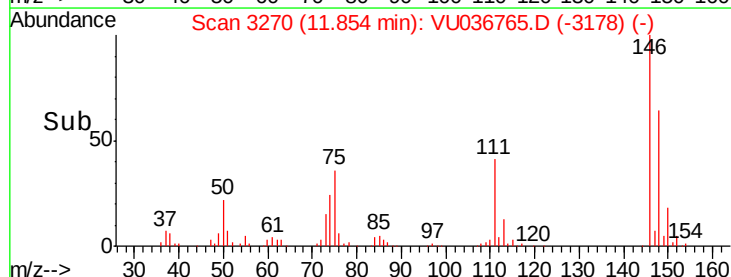
148 63.8 44.3 82.3

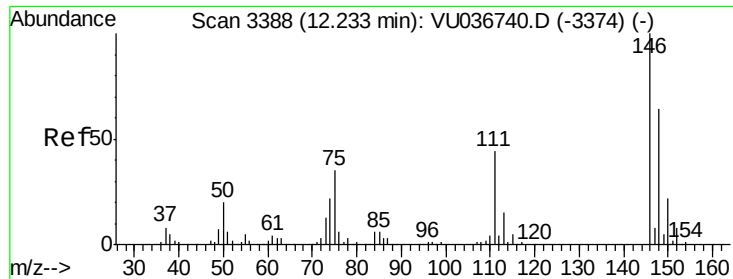


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

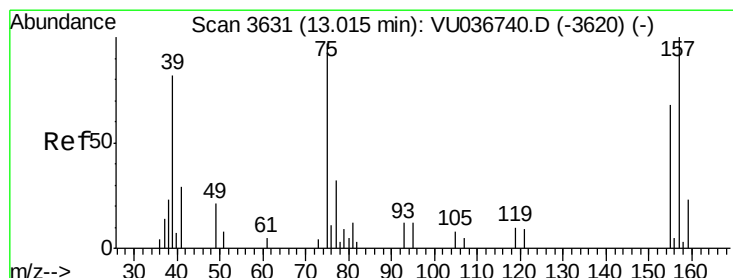
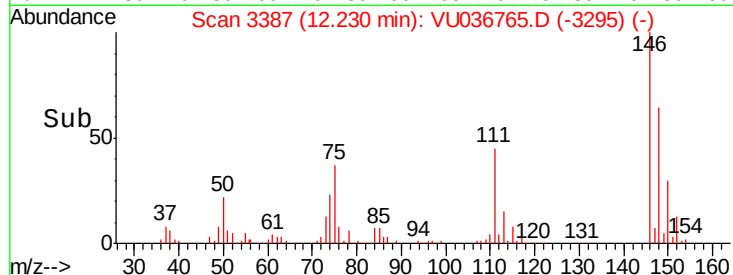
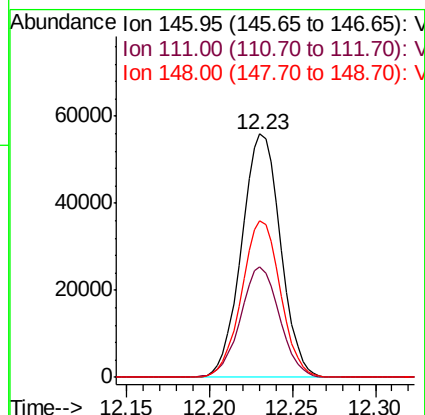
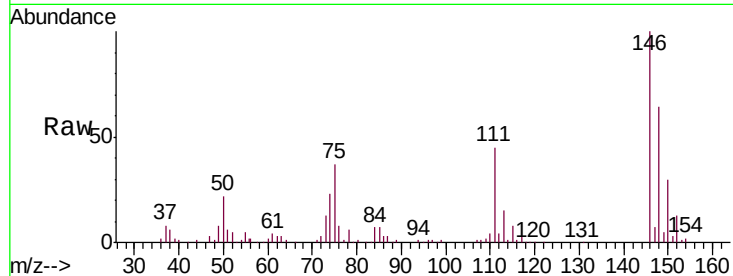




#65
 1,2-Dichlorobenzene
 Concen: 5.106 ug/L
 RT: 12.23 min Scan# 3387
 Delta R.T. -0.00 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

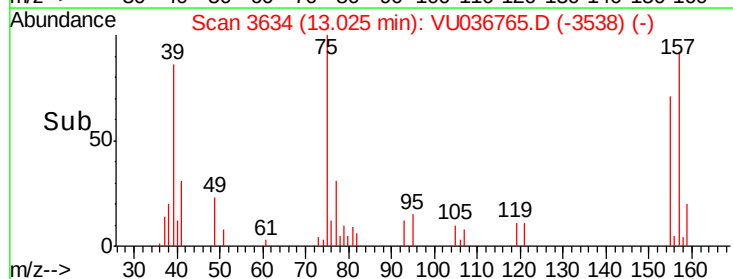
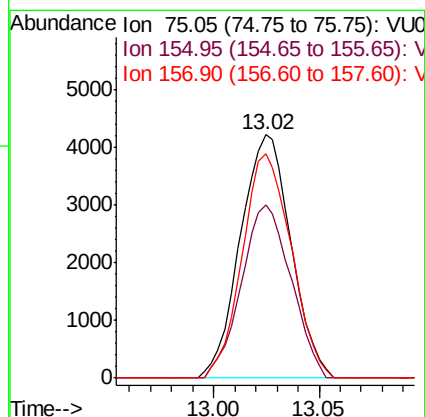
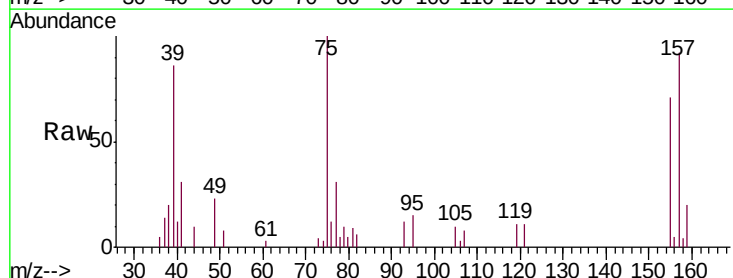
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

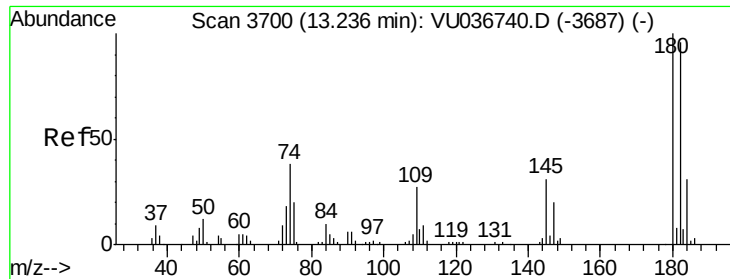
Tgt Ion: 146 Resp: 91231
 Ion Ratio Lower Upper
 146 100
 111 45.4 35.9 53.9
 148 64.1 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.260 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Tgt Ion: 75 Resp: 7013
 Ion Ratio Lower Upper
 75 100
 155 70.9 52.9 79.3
 157 92.1 69.2 103.8

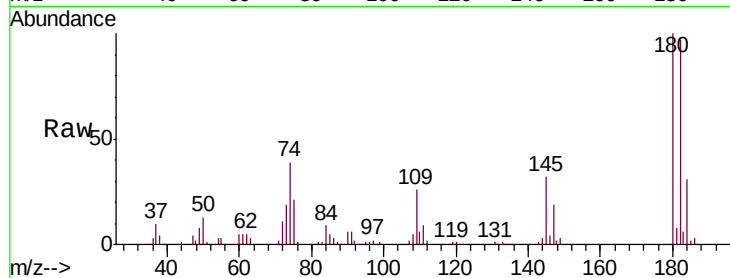




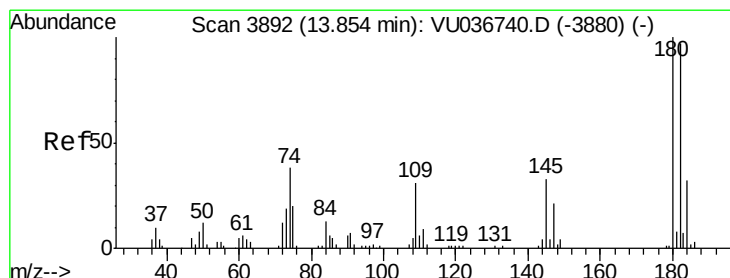
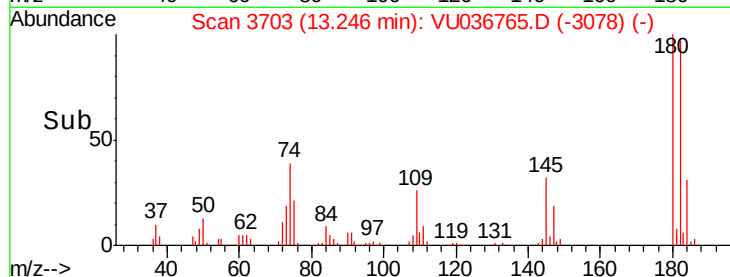
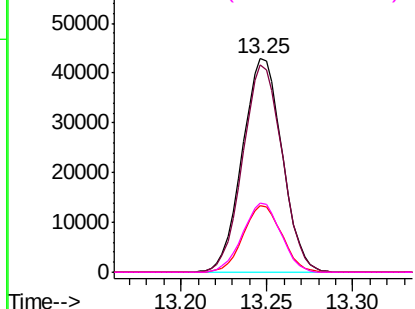
#67
 1,3,5-Trichlorobenzene
 Concen: 5.302 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00516

Tgt Ion:180 Resp: 69182
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.4 114.6
 184 29.9 24.6 37.0
 145 31.0 25.3 37.9

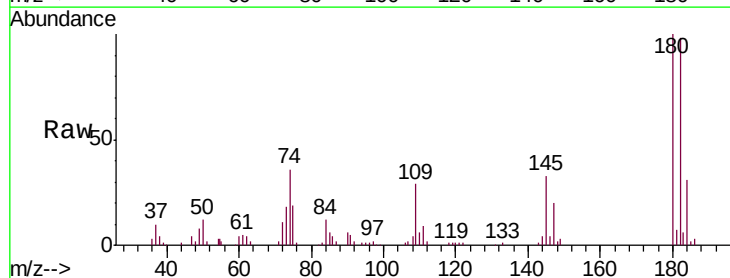


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

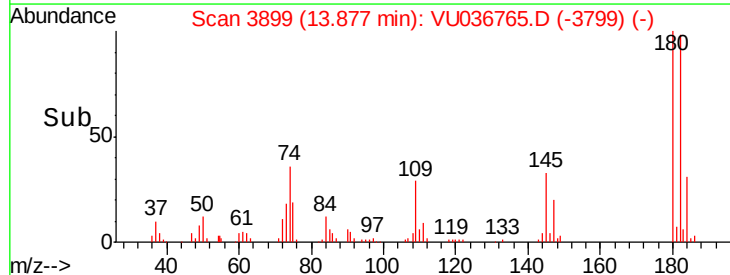
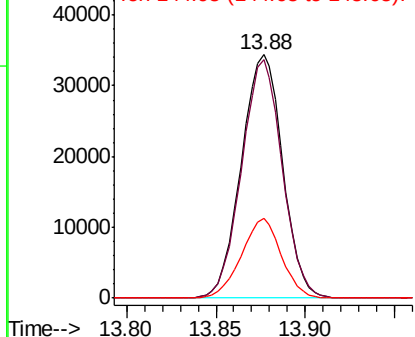


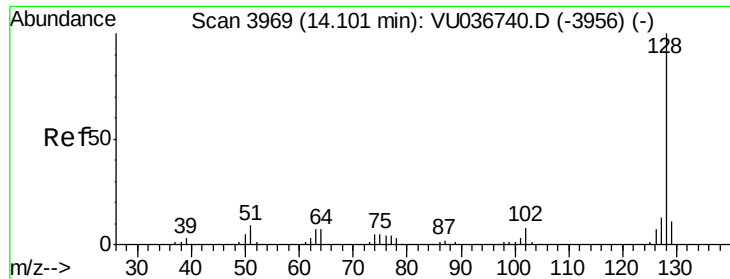
#68
 1,2,4-trichlorobenzene
 Concen: 5.640 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.02 min
 Lab File: VU036765.D
 Acq: 13 Feb 2020 11:41

Tgt Ion:180 Resp: 55491
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.0 115.6
 145 31.7 26.5 39.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 6.575 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.02 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

Instrument :

MSVOA_U

ClientSampleId :

VSTD00516

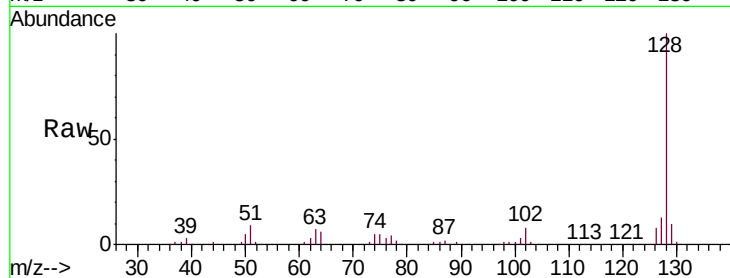
Tgt Ion:128 Resp: 117198

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

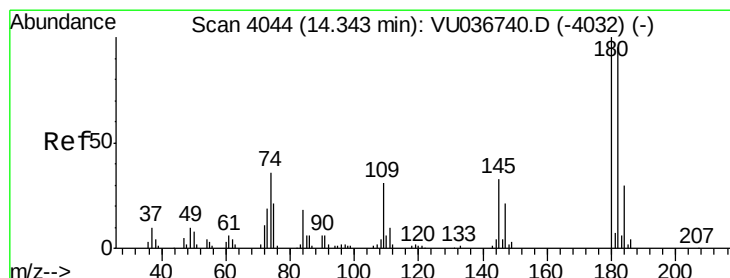
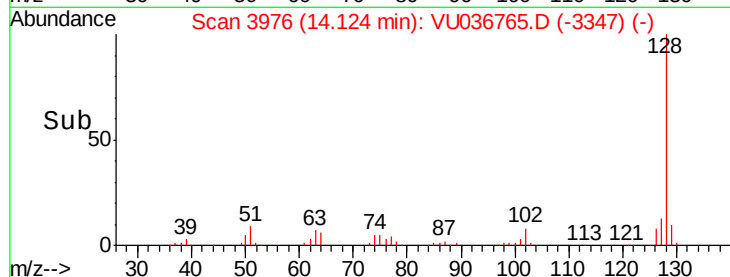
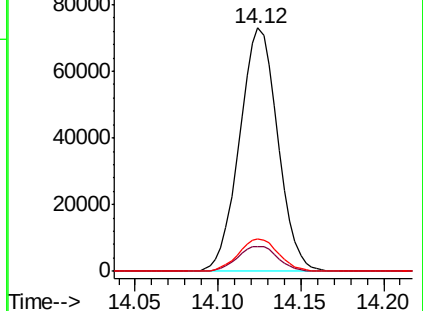
127 13.8 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.793 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.03 min

Lab File: VU036765.D

Acq: 13 Feb 2020 11:41

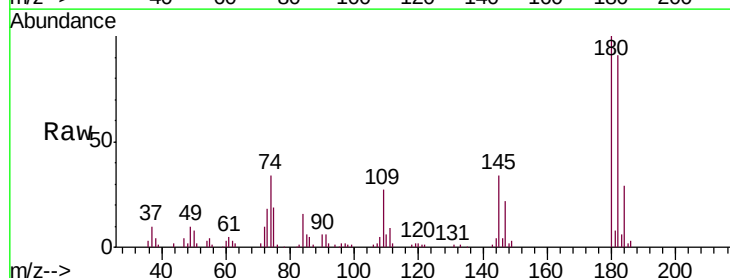
Tgt Ion:180 Resp: 51150

Ion Ratio Lower Upper

180 100

182 92.9 78.2 117.4

145 33.6 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

