

Data File : VU036860.D
Acq On : 19 Feb 2020 20:35
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Quant Time: Feb 20 04:51:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Feb 20 04:46:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	138226	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	127418	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	58842	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	47780	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.93	69	44910	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.59	63	90427	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	4.68	46	129279	51.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.72%
24) Chloroform-d	5.11	84	86623	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.74	65	48197	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	5.76	84	182364	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.73	67	58527	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.92	98	169502	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.20	79	21290	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	8.66	63	109182	50.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.06%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	45075	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	54517	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	39840	4.364 ug/L	99
3) Chloromethane	1.54	50	43391	4.567 ug/L	100
5) Vinyl chloride	1.62	62	47864	4.313 ug/L	97
6) Bromomethane	1.87	94	22625	3.393 ug/L	96
8) Chloroethane	1.95	64	31826	4.105 ug/L	99
9) Trichlorofluoromethane	2.16	101	64035	4.385 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	41871	4.491 ug/L	99
12) 1,1-Dichloroethene	2.60	96	39100	4.650 ug/L	95
13) Acetone	2.67	43	82260	25.806 ug/L	99
14) Carbon disulfide	2.82	76	84745	4.177 ug/L	100
15) Methyl Acetate	2.99	43	20794	4.916 ug/L	99
16) Methylene chloride	3.08	84	46682	3.294 ug/L	97
17) Methyl tert-butyl Ether	3.41	73	119364	4.793 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	40716	4.693 ug/L	99
19) 1,1-Dichloroethane	3.91	63	87186	4.792 ug/L	99
21) 2-Butanone	4.76	43	138991	37.483 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	50011	4.763 ug/L	94

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	19668	4.712	ug/L	97
25) Chloroform	5.13	83	87987	4.528	ug/L	98
27) 1,2-Dichloroethane	5.84	62	57308	4.627	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	67402	4.816	ug/L	99
30) Cyclohexane	5.42	56	72018	4.845	ug/L	97
31) Carbon tetrachloride	5.56	117	50406	4.465	ug/L	96
33) Benzene	5.81	78	187345	4.767	ug/L	100
34) Trichloroethene	6.57	95	47055	4.701	ug/L	99
35) Methylcyclohexane	6.79	83	72960	4.593	ug/L	96
37) 1,2-Dichloropropane	6.82	63	52068	4.852	ug/L	99
38) Bromodichloromethane	7.14	83	60610	4.733	ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	73181	4.713	ug/L	98
40) 4-Methyl-2-pentanone	7.83	43	345688	49.920	ug/L	98
42) Toluene	8.00	91	203632	4.824	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	57686	4.754	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	35746	4.788	ug/L	99
47) Tetrachloroethene	8.58	164	30719	4.511	ug/L	95
48) 2-Hexanone	8.71	43	247775	41.811	ug/L	98
49) Dibromochloromethane	8.83	129	36536	4.732	ug/L	96
50) 1,2-Dibromoethane	8.95	107	32051	4.753	ug/L	99
51) Chlorobenzene	9.47	112	125032	4.788	ug/L	99
52) Ethylbenzene	9.59	91	224362	4.759	ug/L	100
53) m,p-Xylene	9.71	106	83310	4.802	ug/L	94
54) o-Xylene	10.12	106	82112	4.820	ug/L	94
55) Styrene	10.13	104	136635	4.757	ug/L	100
56) Isopropylbenzene	10.50	105	219133	4.806	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	46384	4.746	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	34460	4.864	ug/L	100
61) Bromoform	10.31	173	18731	4.620	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	94134	4.643	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	93938	4.674	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	91403	4.677	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.02	75	7164	4.912	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	67229	4.710	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	55756	5.180	ug/L	98
69) Naphthalene	14.12	128	178791	9.169	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	51526	5.335	ug/L	98

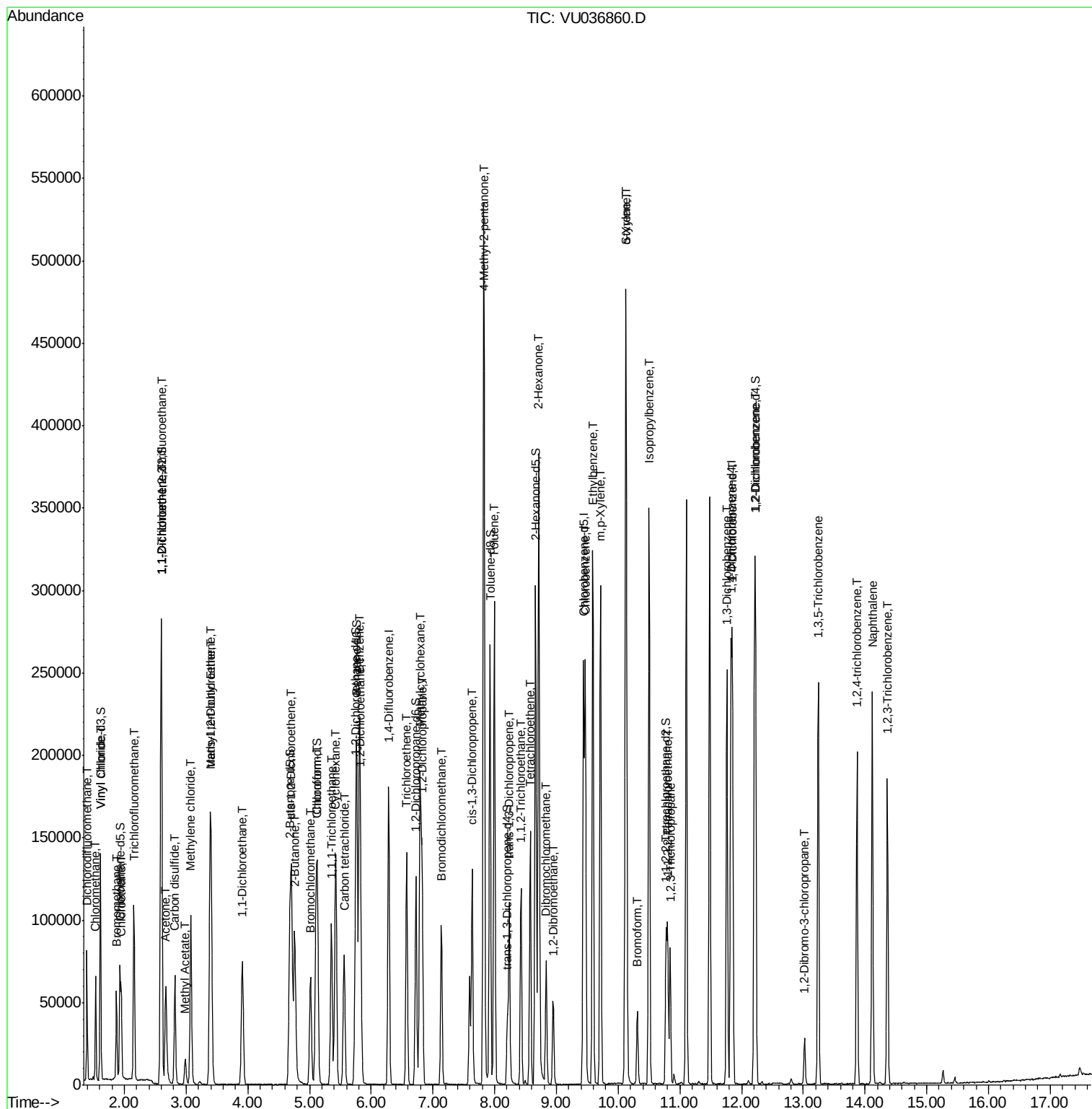
(#) = qualifier out of range (m) = manual integration (+) = signals summed

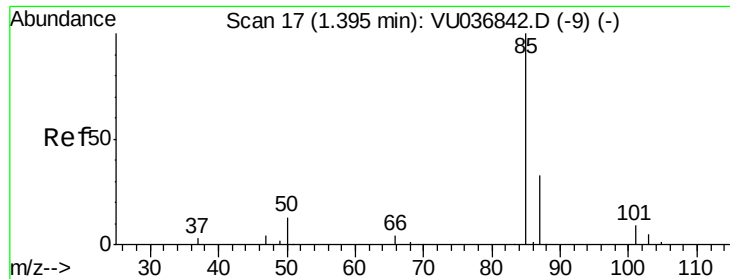
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#2

Dichlorodifluoromethane

Concen: 4.364 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

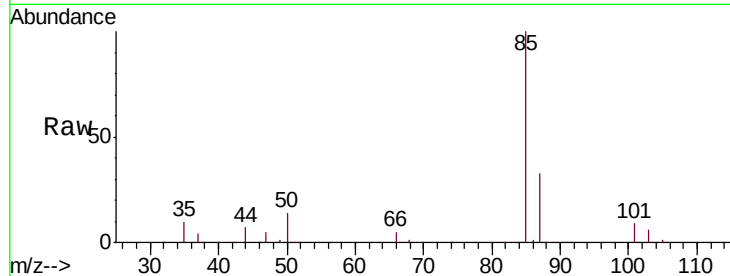
VSTD00525

Tgt Ion: 85 Resp: 39840

Ion Ratio Lower Upper

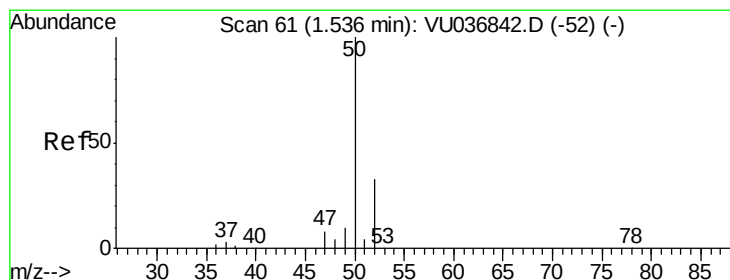
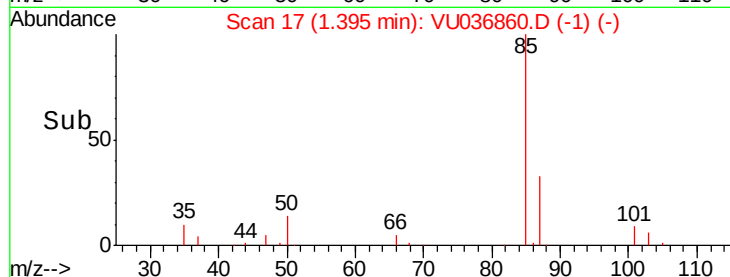
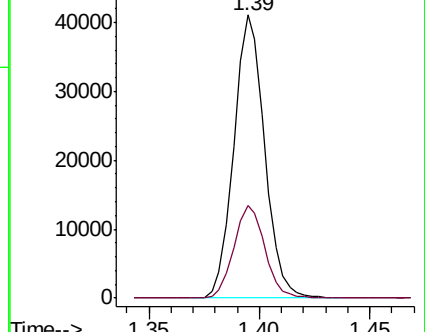
85 100

87 32.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036842.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036842.D (-9) (-)



#3

Chloromethane

Concen: 4.567 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU036860.D

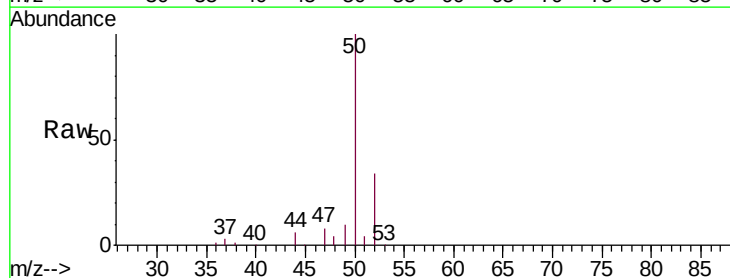
Acq: 19 Feb 2020 20:35

Tgt Ion: 50 Resp: 43391

Ion Ratio Lower Upper

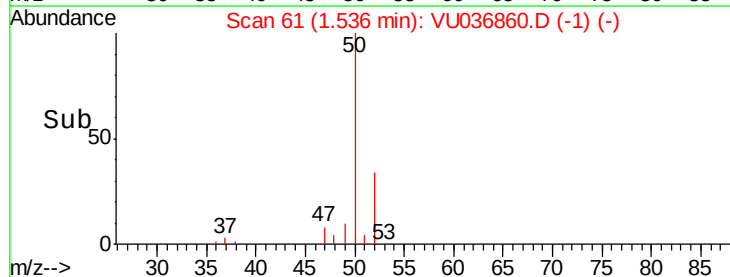
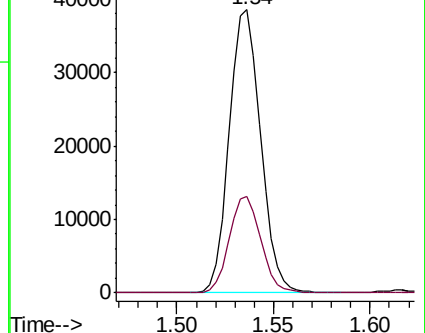
50 100

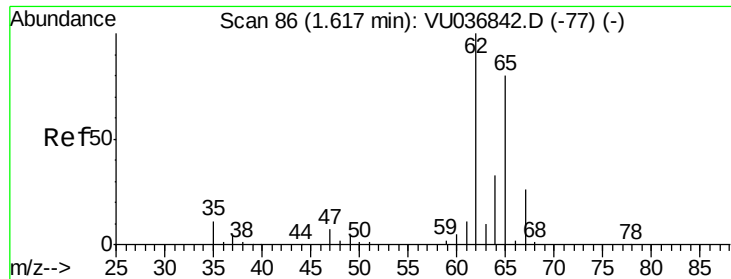
52 34.0 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036842.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036842.D (-52) (-)





#5

Vinyl chloride

Concen: 4.313 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

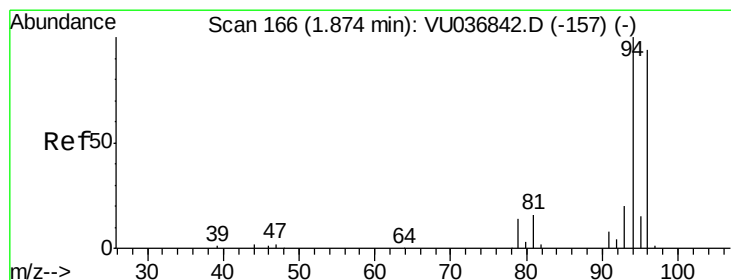
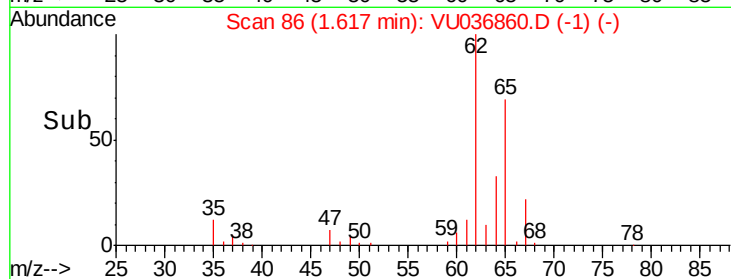
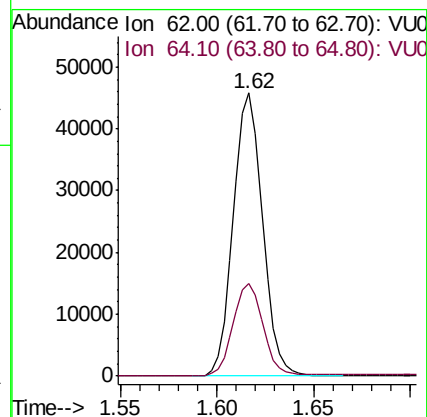
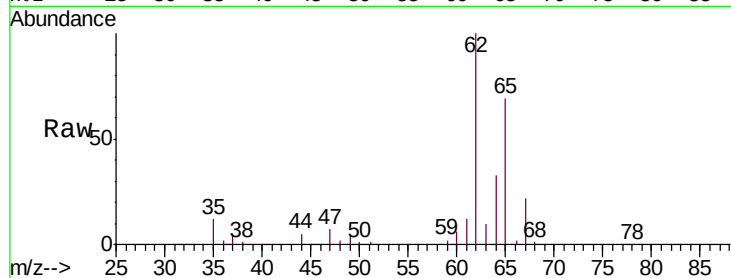
VSTD00525

Tgt Ion: 62 Resp: 47864

Ion Ratio Lower Upper

62 100

64 32.8 24.1 44.7



#6

Bromomethane

Concen: 3.393 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036860.D

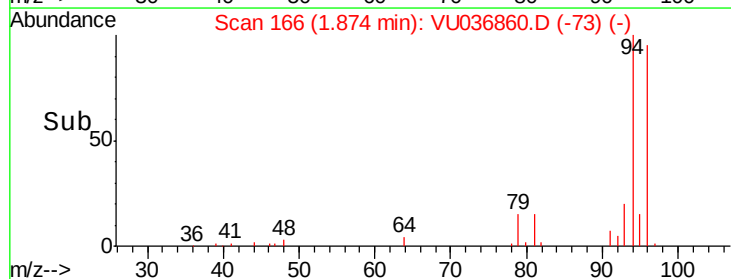
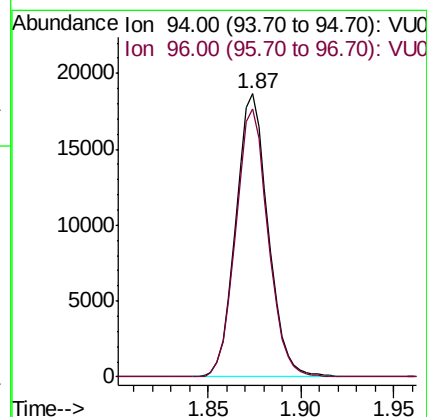
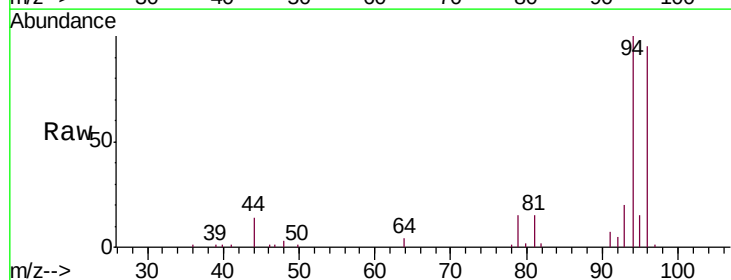
Acq: 19 Feb 2020 20:35

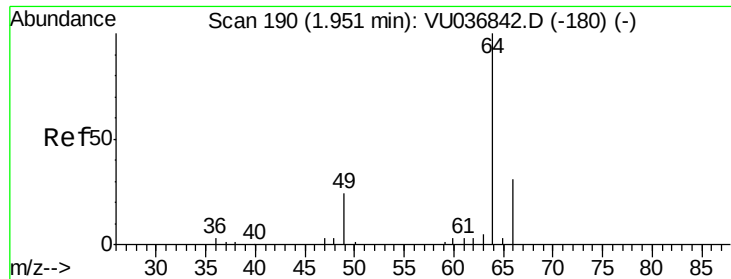
Tgt Ion: 94 Resp: 22625

Ion Ratio Lower Upper

94 100

96 94.7 63.3 117.7





#8

Chloroethane

Concen: 4.105 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

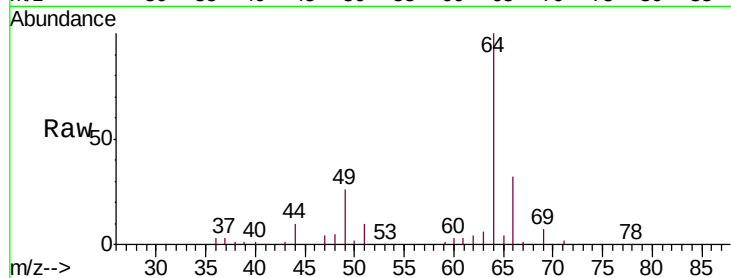
VSTD00525

Tgt Ion: 64 Resp: 31826

Ion Ratio Lower Upper

64 100

66 32.0 21.8 40.6

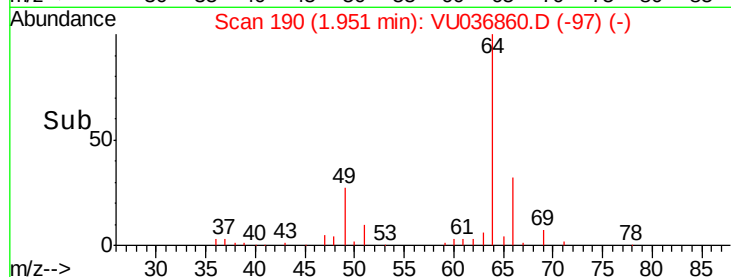


Abundance Ion 64.10 (63.80 to 64.80): VU036842.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036860.D (-97) (-)

1.95

Time-->



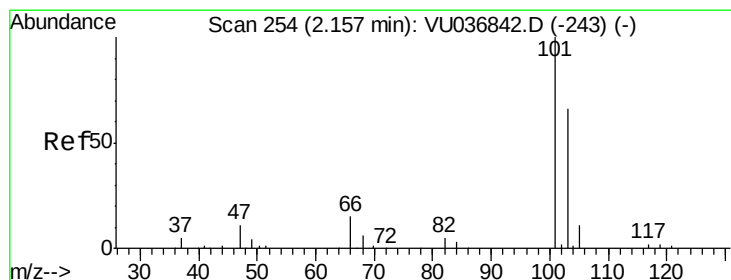
Abundance

Ion 64.10 (63.80 to 64.80): VU036842.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU036860.D (-97) (-)

1.95

Time-->



#9

Trichlorofluoromethane

Concen: 4.385 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036860.D

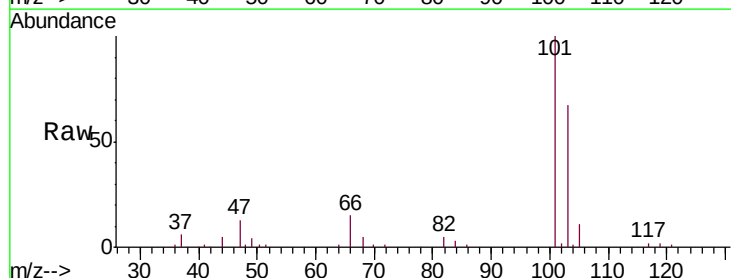
Acq: 19 Feb 2020 20:35

Tgt Ion: 101 Resp: 64035

Ion Ratio Lower Upper

101 100

103 66.3 51.0 76.6

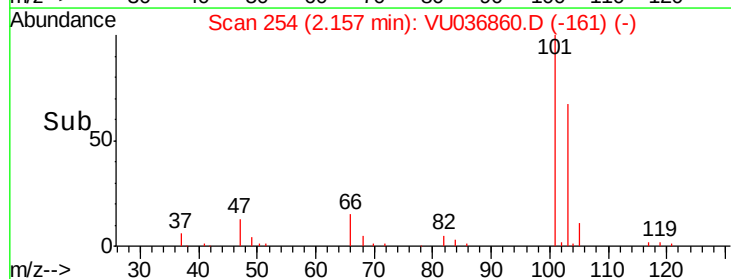


Abundance Ion 101.00 (100.70 to 101.70): VU036842.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036860.D (-161) (-)

2.16

Time-->



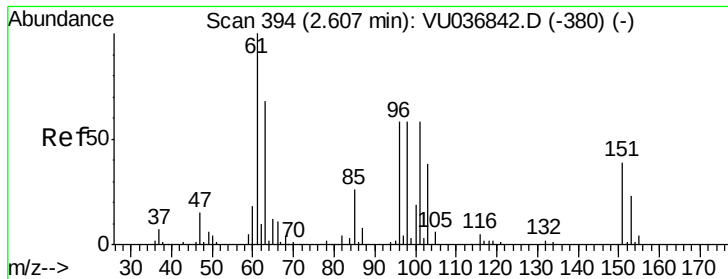
Abundance

Ion 101.00 (100.70 to 101.70): VU036842.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU036860.D (-161) (-)

2.16

Time-->



#10

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

Concen: 4.491 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

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ClientSampleId :

VSTD00525

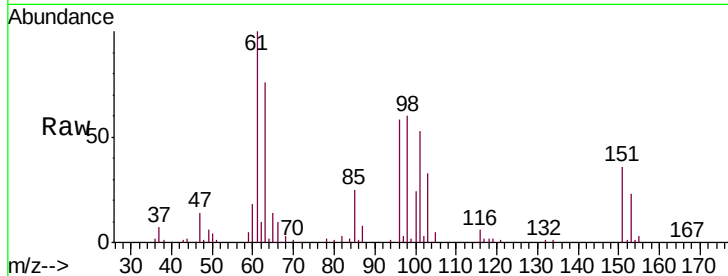
Tgt Ion: 101 Resp: 41871

Ion Ratio Lower Upper

101 100

85 46.2 36.4 54.6

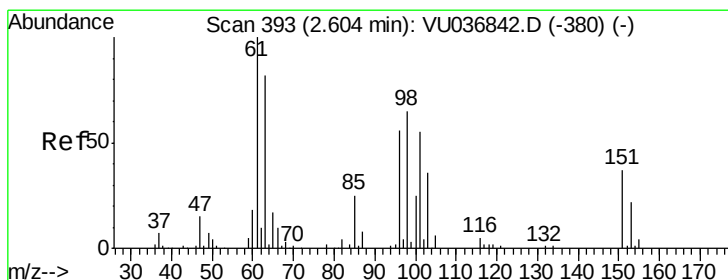
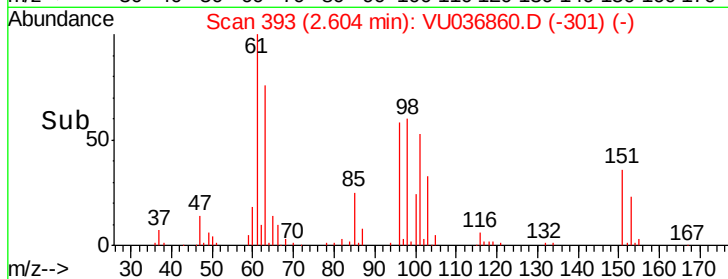
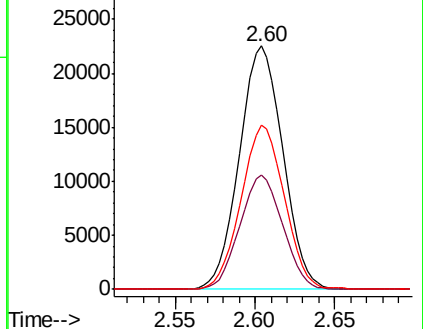
151 67.1 54.0 81.0



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: 4.650 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

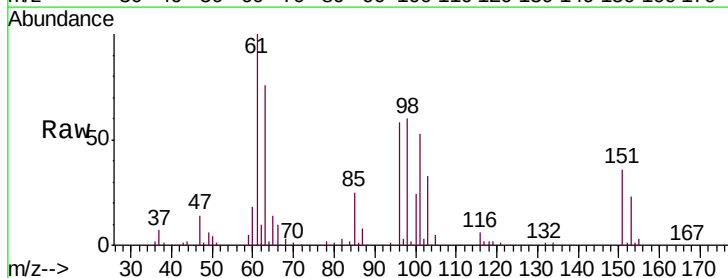
Tgt Ion: 96 Resp: 39100

Ion Ratio Lower Upper

96 100

61 172.1 126.4 234.8

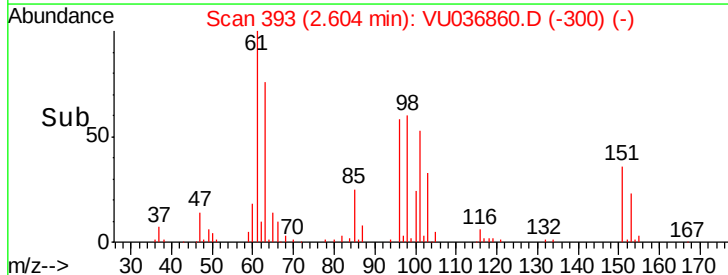
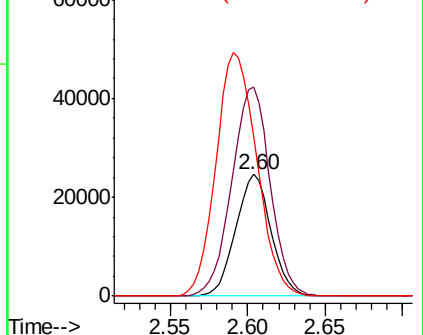
63 130.9 89.5 166.3

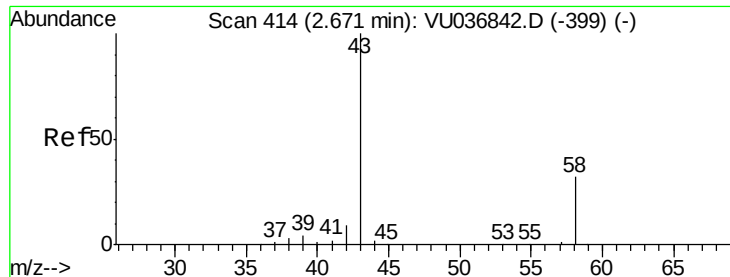


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 25.806 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

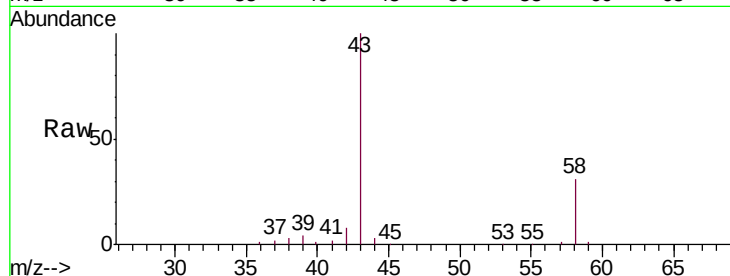
VSTD00525

Tgt Ion: 43 Resp: 82260

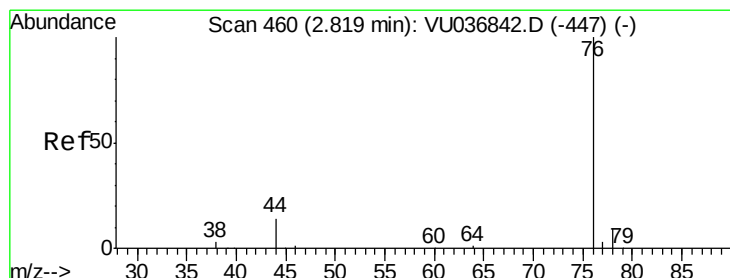
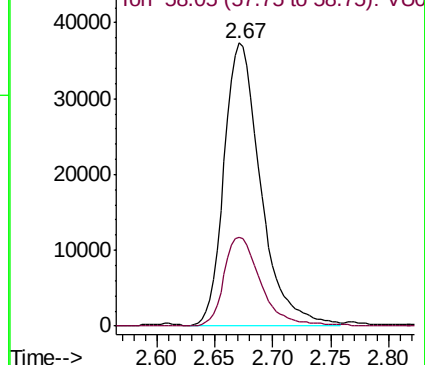
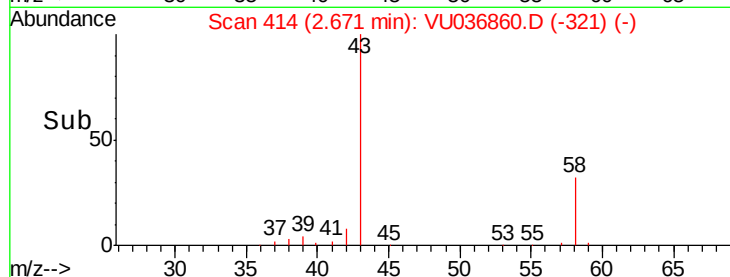
Ion Ratio Lower Upper

43 100

58 31.7 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036860.D (-321) (-)



#14

Carbon disulfide

Concen: 4.177 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036860.D

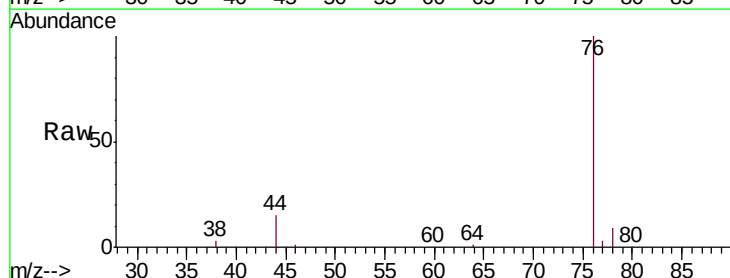
Acq: 19 Feb 2020 20:35

Tgt Ion: 76 Resp: 84745

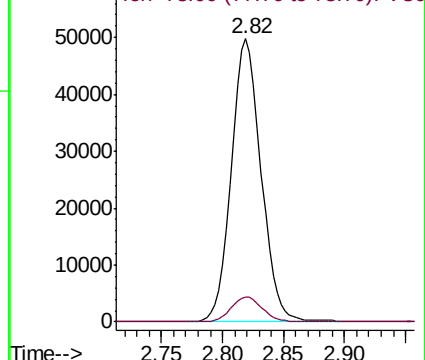
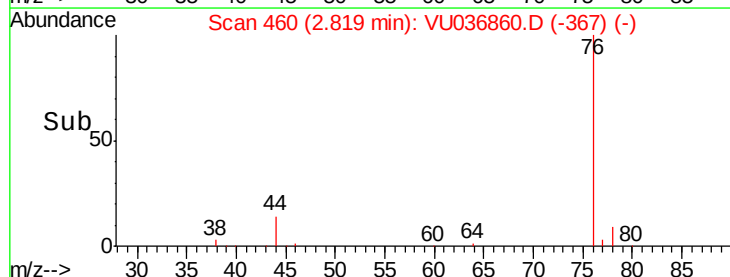
Ion Ratio Lower Upper

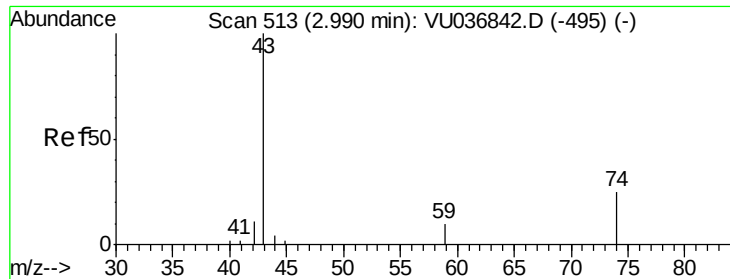
76 100

78 8.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036860.D (-367) (-)





#15

Methyl Acetate

Concen: 4.916 ug/L

RT: 2.99 min Scan# 513

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

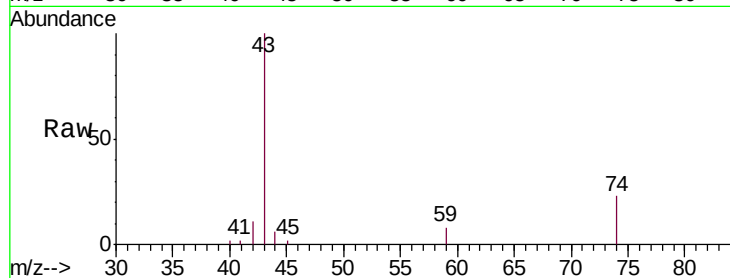
VSTD00525

Tgt Ion: 43 Resp: 20794

Ion Ratio Lower Upper

43 100

74 23.1 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VU036860.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VU036860.D (-420) (-)

12000

10000

8000

6000

4000

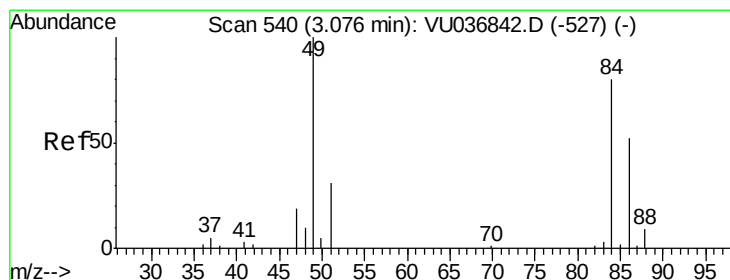
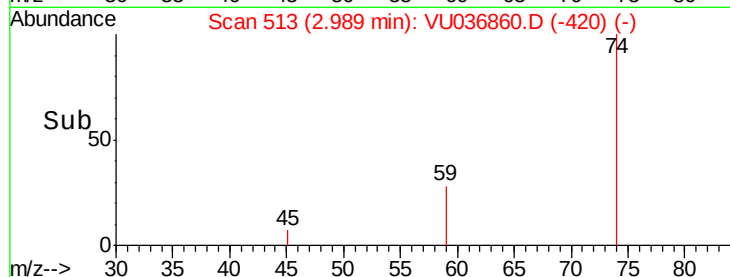
2000

0

Time-->

2.90 2.95 3.00 3.05 3.10

2.99



#16

Methylene chloride

Concen: 3.294 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

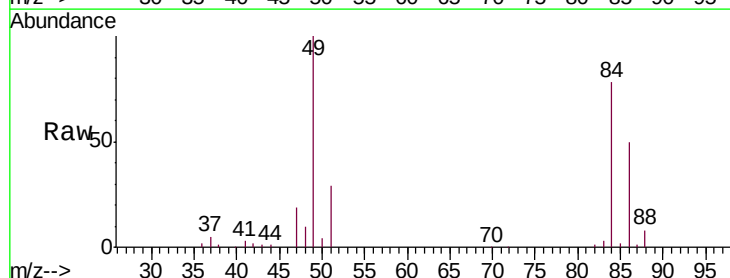
Tgt Ion: 84 Resp: 46682

Ion Ratio Lower Upper

84 100

86 64.3 44.7 82.9

49 128.4 86.7 160.9



Abundance Ion 84.05 (83.75 to 84.75): VU036860.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU036860.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU036860.D (-447) (-)

40000

30000

20000

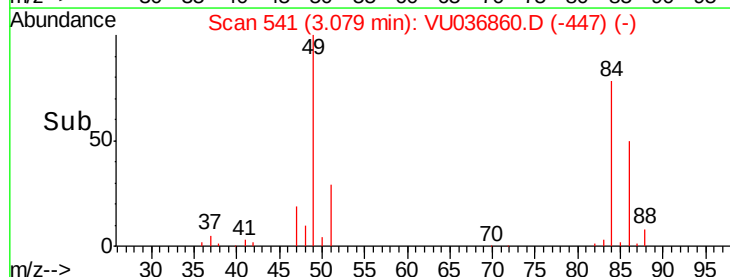
10000

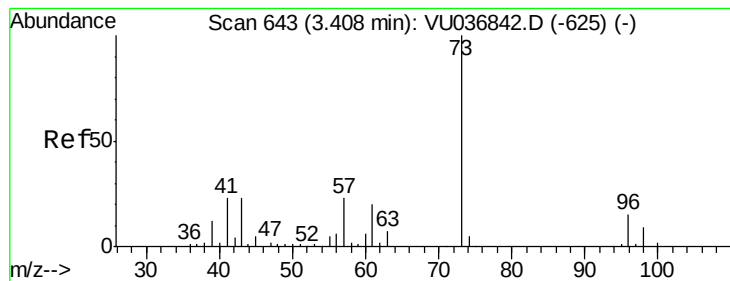
0

Time-->

3.00 3.05 3.10 3.15

3.08





#17

Methyl tert-butyl Ether

Concen: 4.793 ug/L

RT: 3.41 min Scan# 643

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

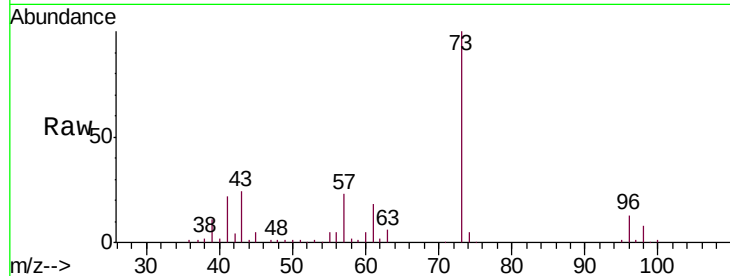
Tgt Ion: 73 Resp: 119364

Ion Ratio Lower Upper

73 100

43 23.2 18.7 28.1

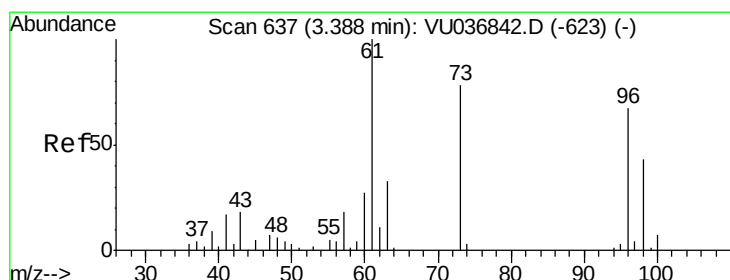
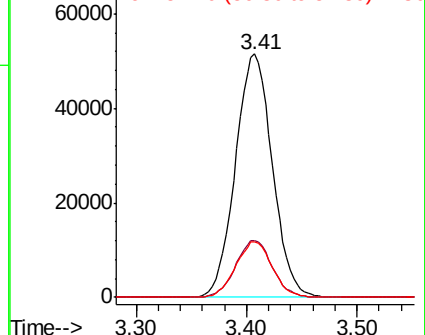
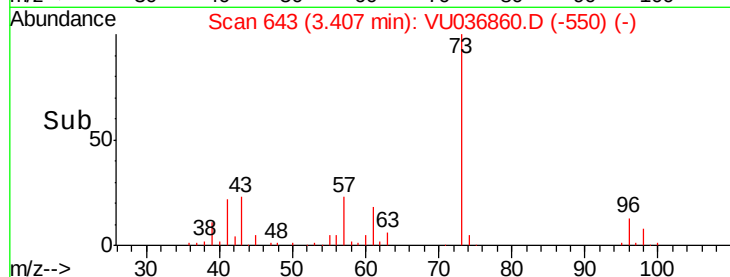
57 22.7 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU036860.D (-550) (-)

Ion 43.05 (42.75 to 43.75): VU036860.D (-550) (-)

Ion 57.10 (56.80 to 57.80): VU036860.D (-550) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.693 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

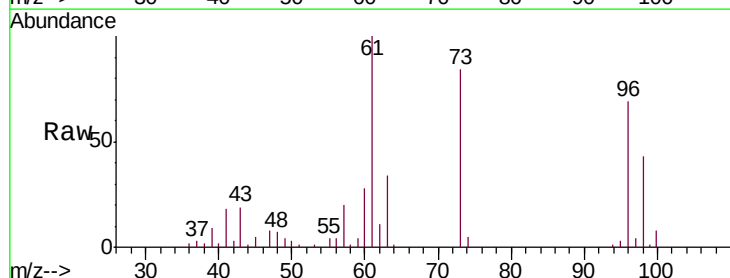
Tgt Ion: 96 Resp: 40716

Ion Ratio Lower Upper

96 100

61 144.7 102.6 190.5

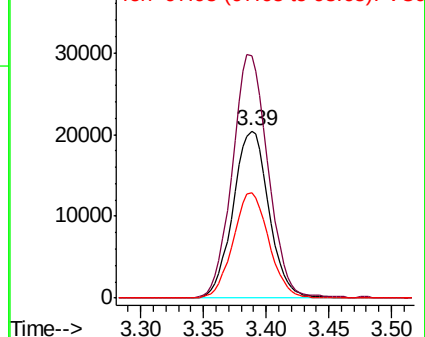
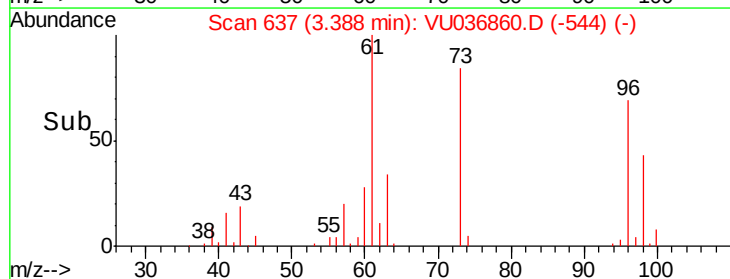
98 62.9 44.5 82.7

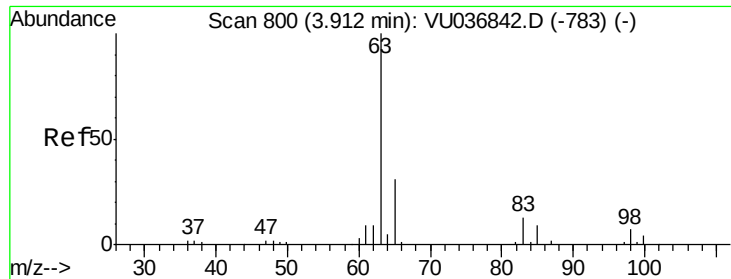


Abundance Ion 96.00 (95.70 to 96.70): VU036860.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU036860.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU036860.D (-544) (-)

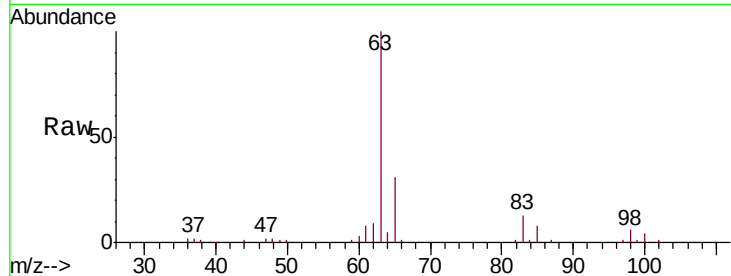




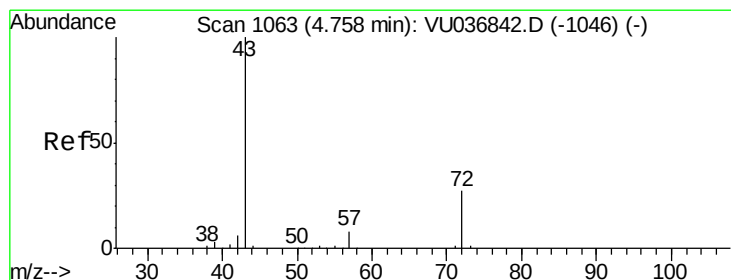
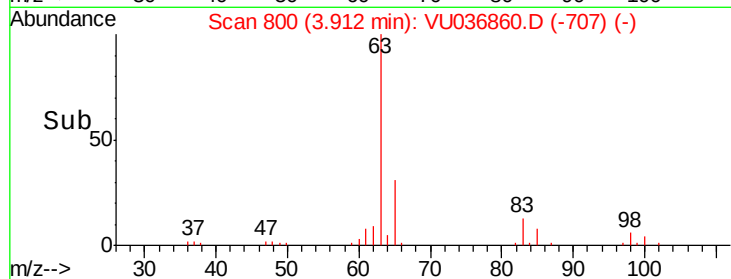
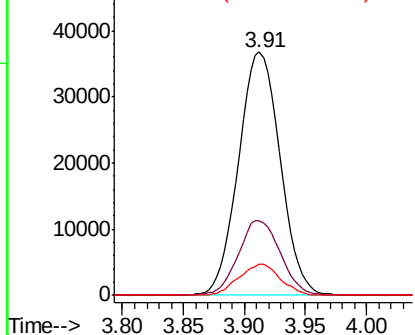
#19
 1,1-Dichloroethane
 Concen: 4.792 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion: 63 Resp: 87186
 Ion Ratio Lower Upper
 63 100
 65 30.6 21.6 40.2
 83 12.6 8.8 16.3

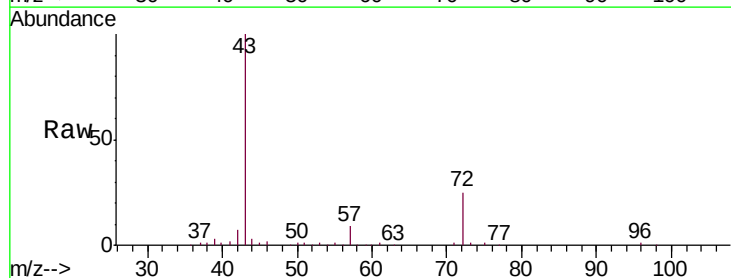


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

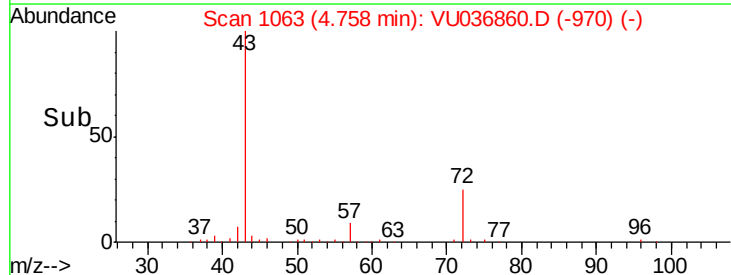
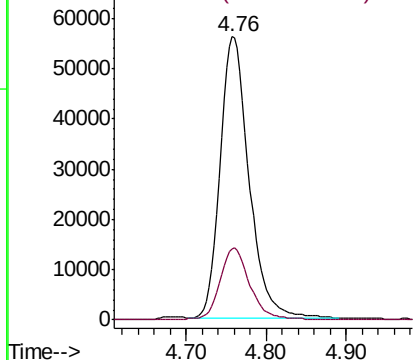


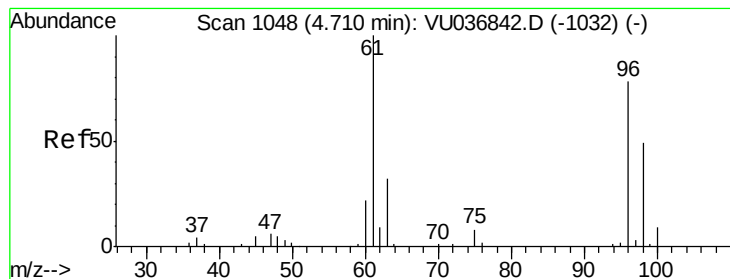
#21
 2-Butanone
 Concen: 37.483 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Tgt Ion: 43 Resp: 138991
 Ion Ratio Lower Upper
 43 100
 72 26.7 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.763 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

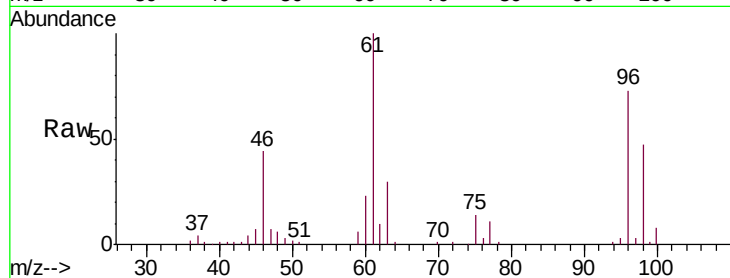
Tgt Ion: 96 Resp: 50011

Ion Ratio Lower Upper

96 100

61 137.0 91.2 169.4

68 0.0 0.0 0.0

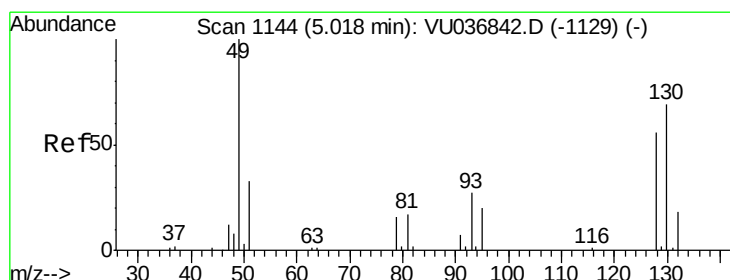
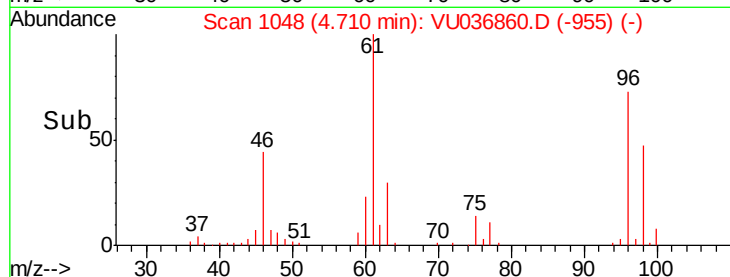
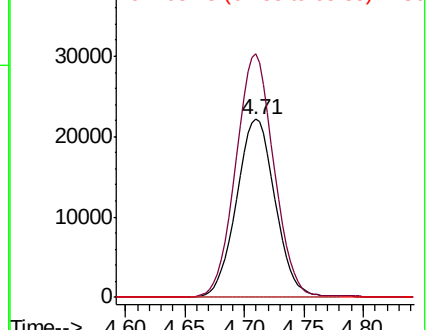


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.712 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Tgt Ion: 128 Resp: 19668

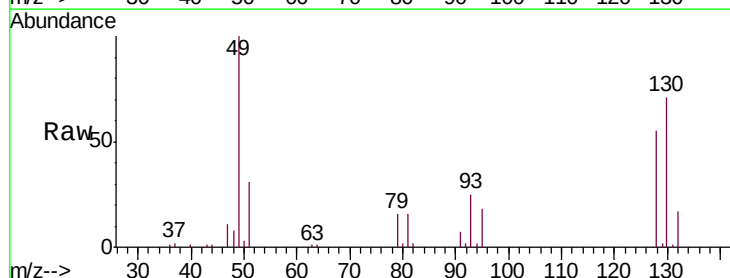
Ion Ratio Lower Upper

128 100

49 181.9 132.4 245.8

130 128.8 89.0 165.2

51 56.3 45.6 68.4



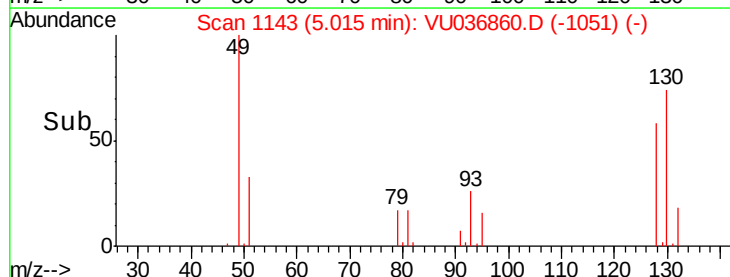
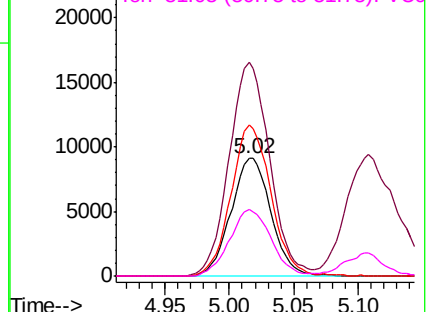
Abundance

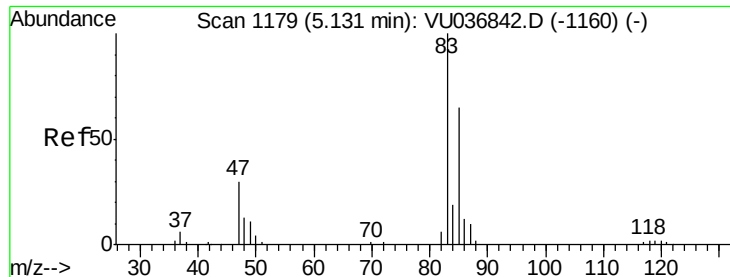
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

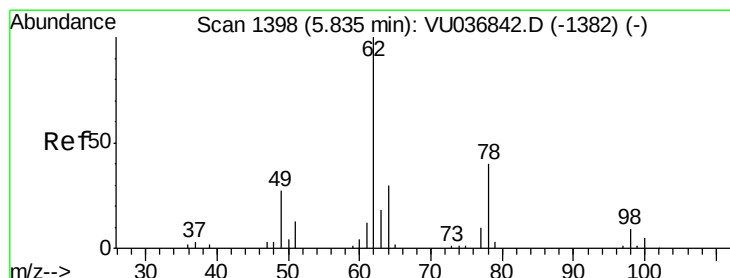
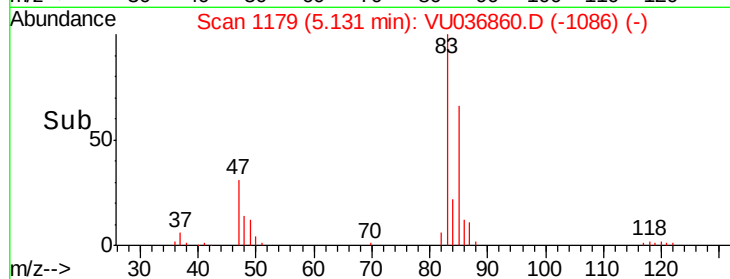
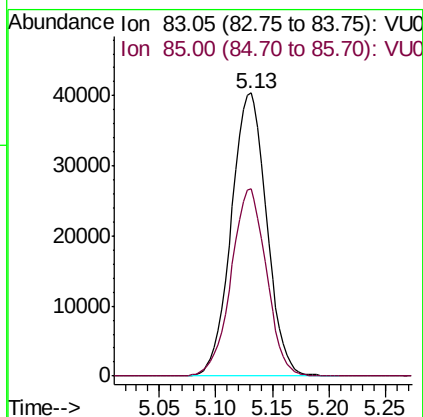
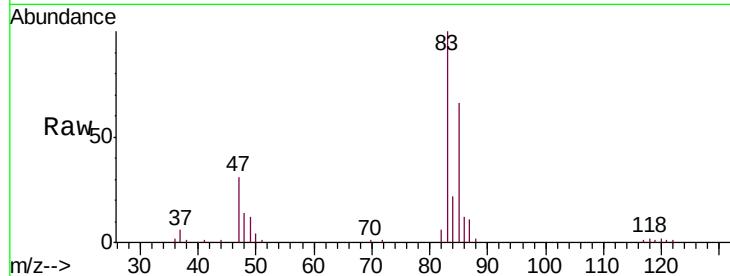




#25
Chloroform
Concen: 4.528 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036860.D
Acq: 19 Feb 2020 20:35

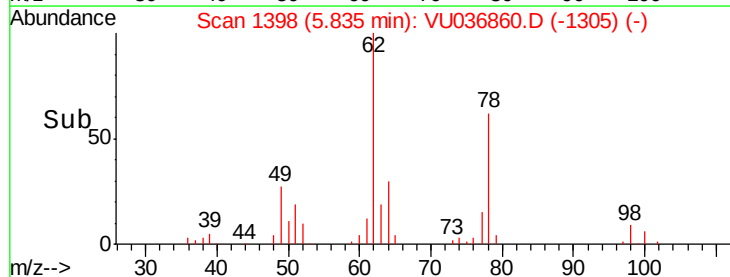
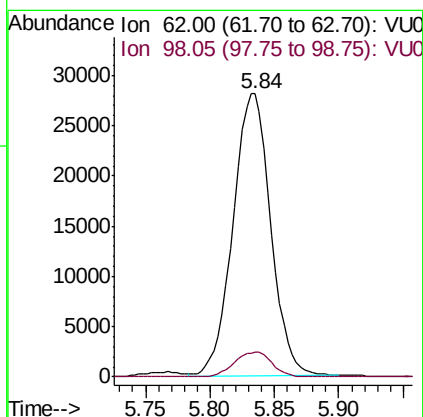
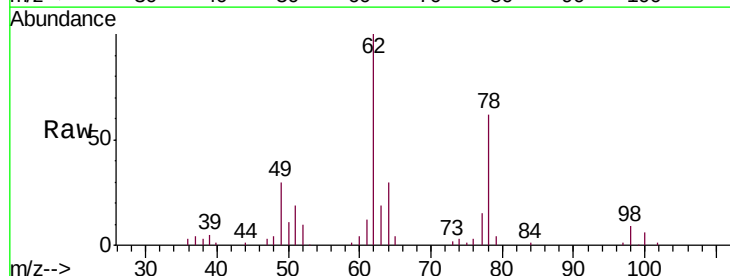
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

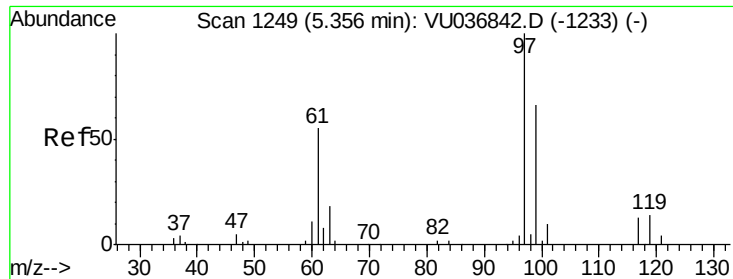
Tgt Ion: 83 Resp: 87987
Ion Ratio Lower Upper
83 100
85 66.4 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.627 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036860.D
Acq: 19 Feb 2020 20:35

Tgt Ion: 62 Resp: 57308
Ion Ratio Lower Upper
62 100
98 8.8 7.0 10.4

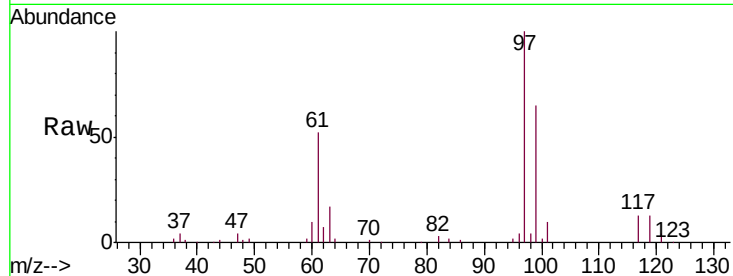




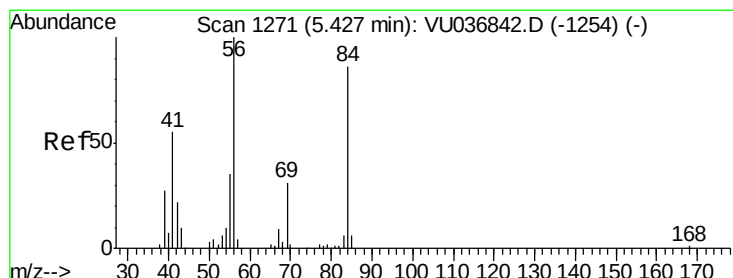
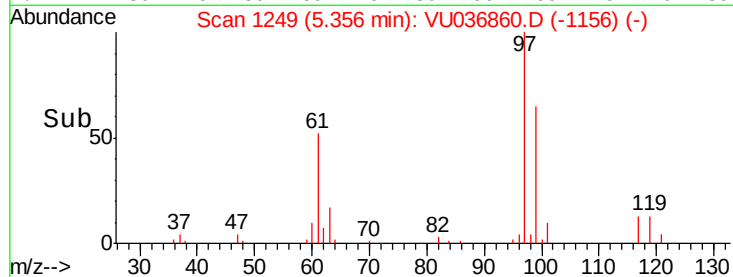
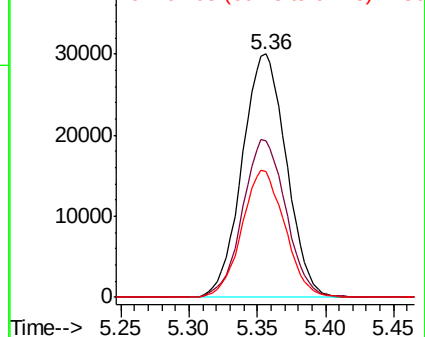
#29
 1,1,1-Trichloroethane
 Concen: 4.816 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion: 97 Resp: 67402
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.0 76.4
 61 50.7 41.6 62.4

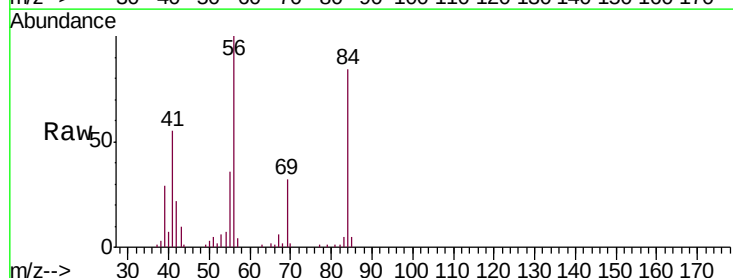


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

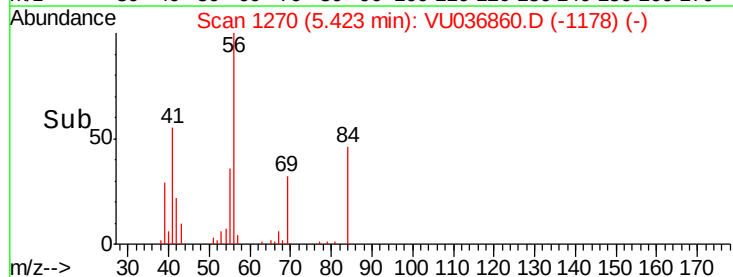
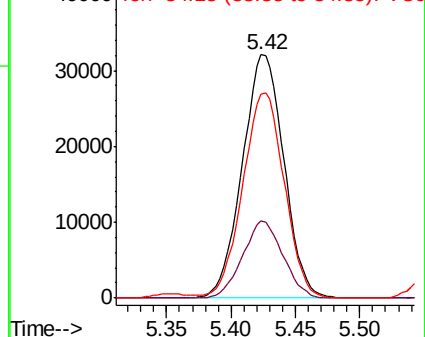


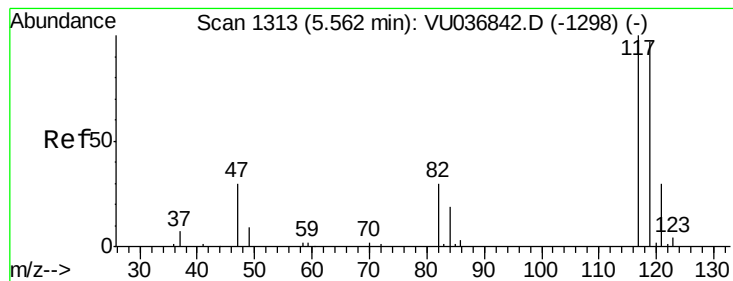
#30
 Cyclohexane
 Concen: 4.845 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Tgt Ion: 56 Resp: 72018
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.6 37.0
 84 84.4 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: 4.465 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

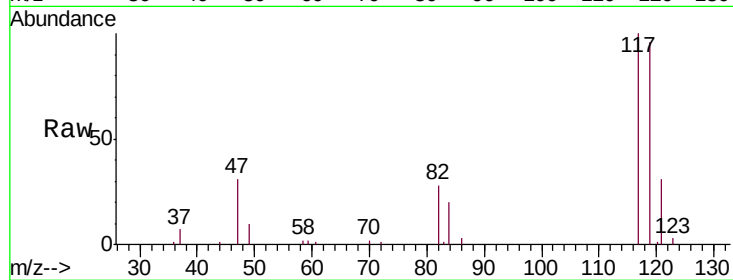
VSTD00525

Tgt Ion:117 Resp: 50406

Ion Ratio Lower Upper

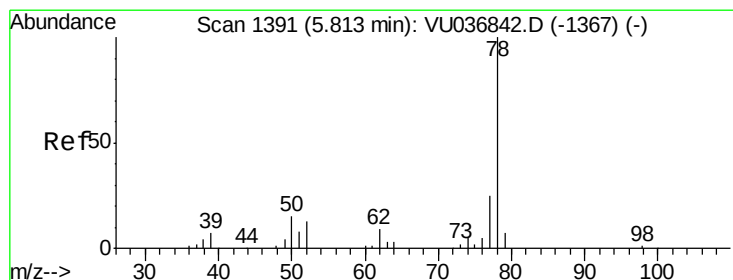
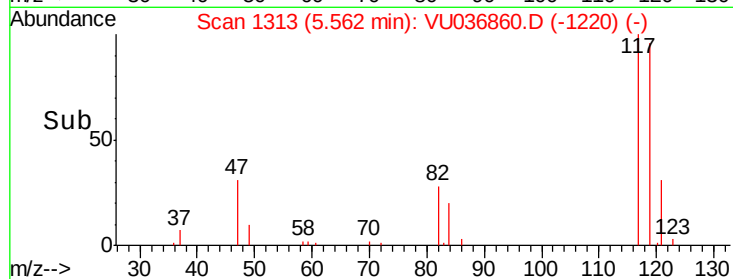
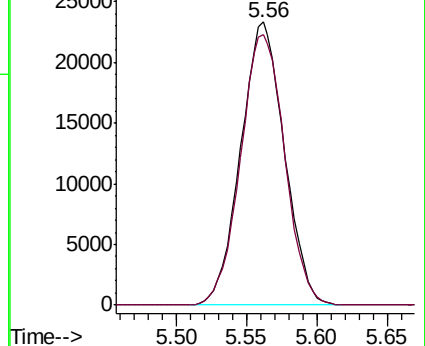
117 100

119 96.9 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: 4.767 ug/L

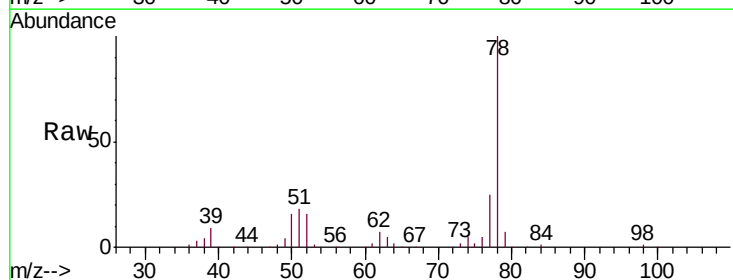
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

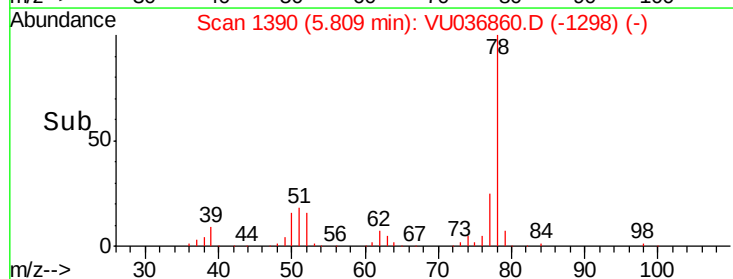
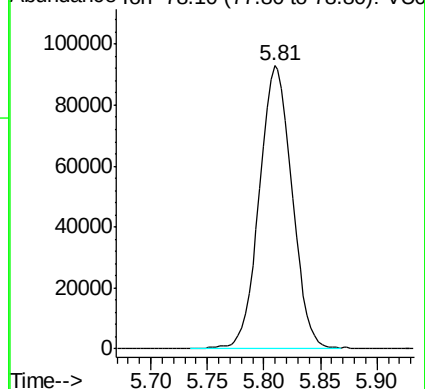
Lab File: VU036860.D

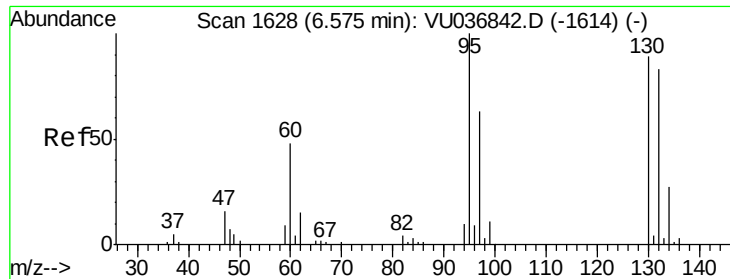
Acq: 19 Feb 2020 20:35

Tgt Ion: 78 Resp: 187345



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.701 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tgt Ion: 95 Resp: 47055

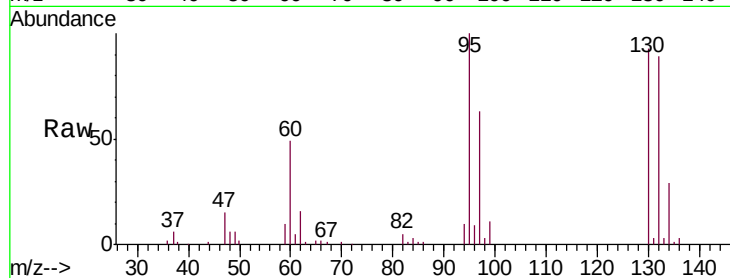
Ion Ratio Lower Upper

95 100

97 62.8 45.6 84.8

132 89.5 62.8 116.6

130 92.6 63.8 118.4

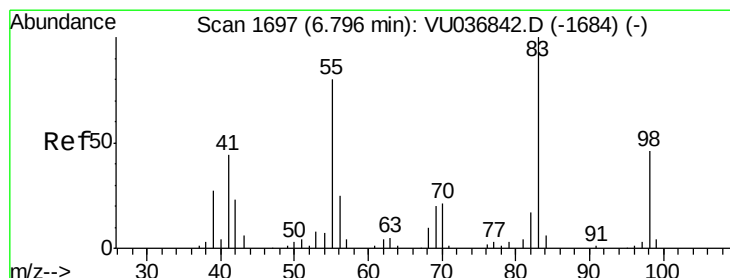
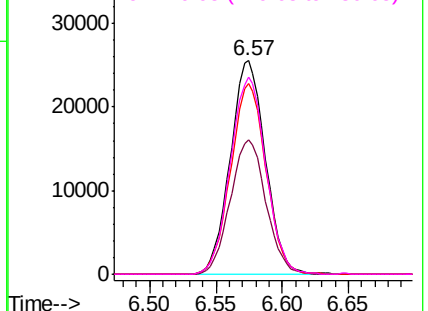
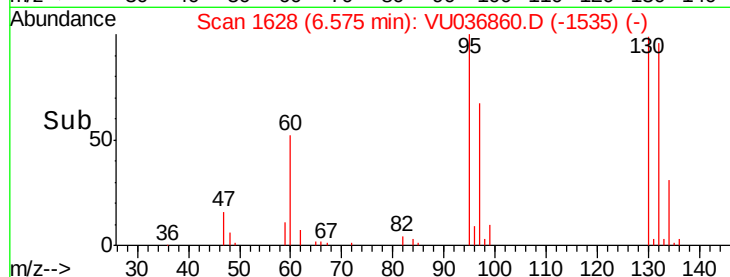


Abundance Ion 95.00 (94.70 to 95.70): VU036860.D (-1535) (-)

Ion 96.95 (96.65 to 97.65): VU036860.D (-1535) (-)

Ion 131.95 (131.65 to 132.65): VU036860.D (-1535) (-)

Ion 129.95 (129.65 to 130.65): VU036860.D (-1535) (-)



#35

Methylcyclohexane

Concen: 4.593 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

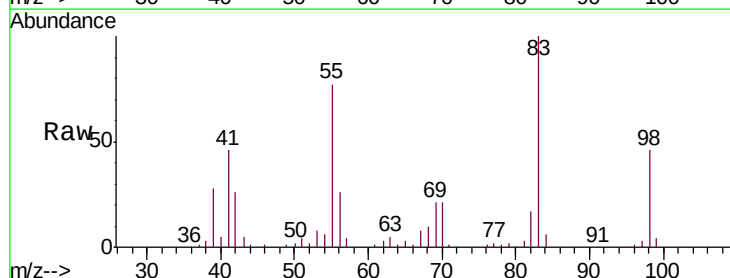
Tgt Ion: 83 Resp: 72960

Ion Ratio Lower Upper

83 100

55 79.2 61.0 91.4

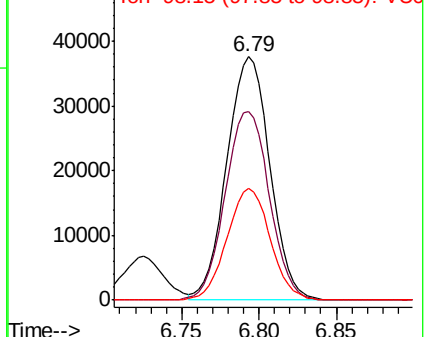
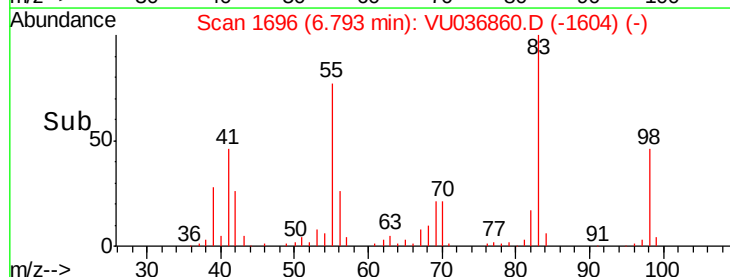
98 45.7 34.2 51.4

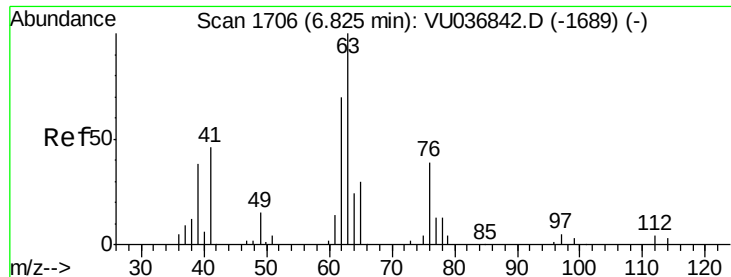


Abundance Ion 83.15 (82.85 to 83.85): VU036860.D (-1604) (-)

Ion 55.10 (54.80 to 55.80): VU036860.D (-1604) (-)

Ion 98.15 (97.85 to 98.85): VU036860.D (-1604) (-)

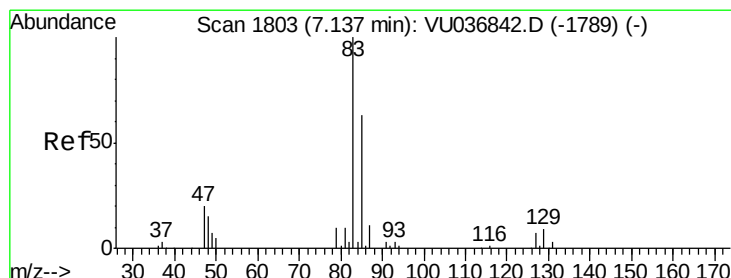
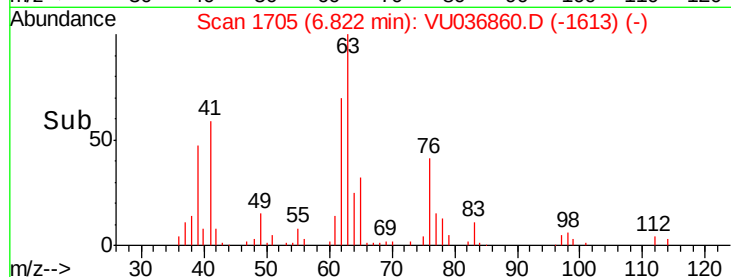
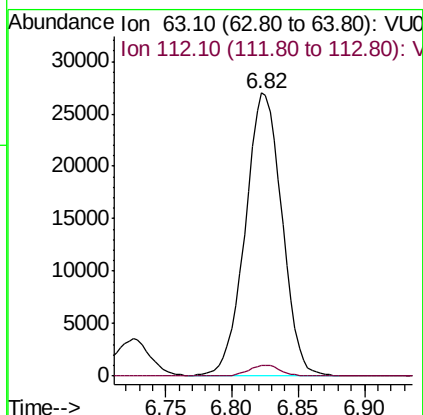
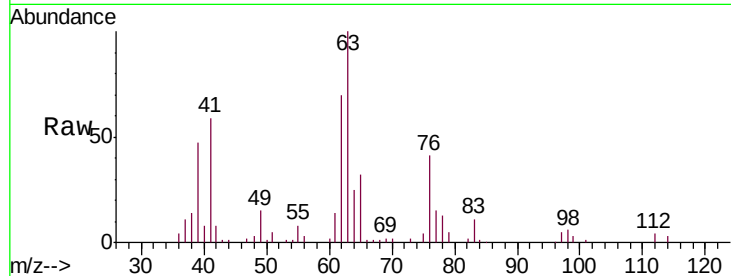




#37
 1,2-Dichloropropane
 Concen: 4.852 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

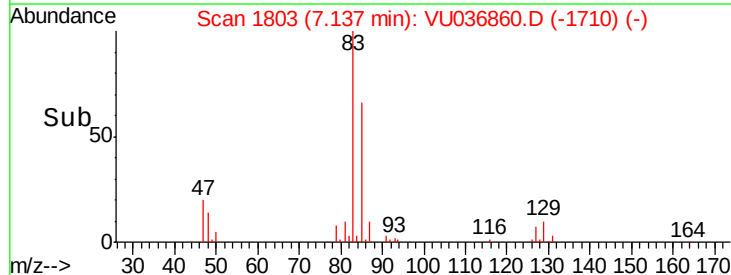
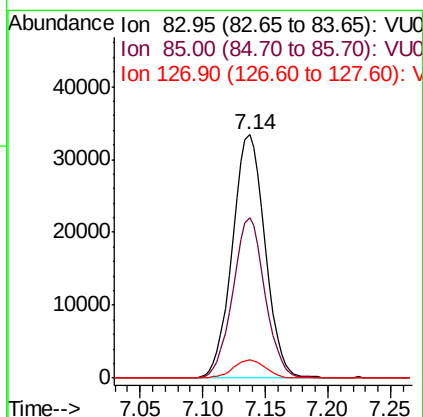
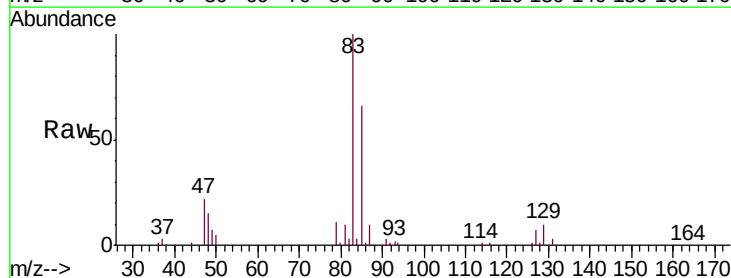
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

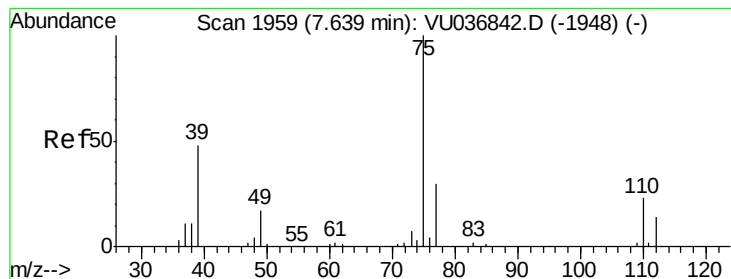
Tgt Ion: 63 Resp: 52068
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.733 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Tgt Ion: 83 Resp: 60610
 Ion Ratio Lower Upper
 83 100
 85 65.8 43.0 80.0
 127 7.4 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.713 ug/L

RT: 7.64 min Scan# 1958

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

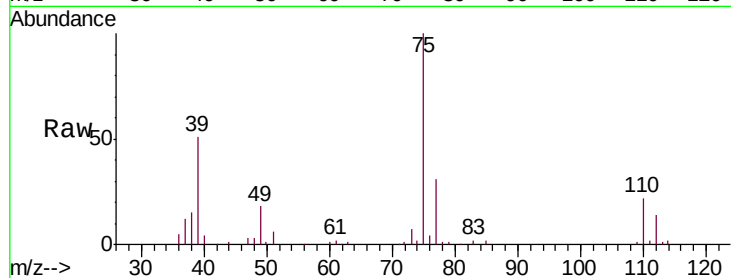
VSTD00525

Tgt Ion: 75 Resp: 73181

Ion Ratio Lower Upper

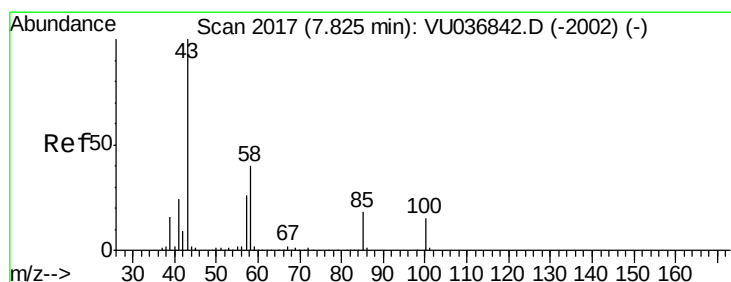
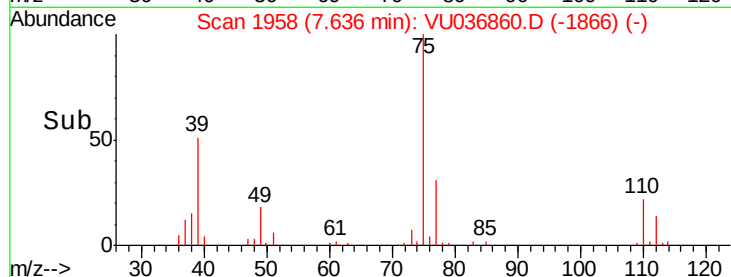
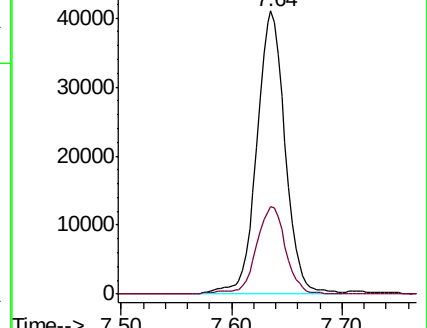
75 100

77 31.1 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VU036842.D (-1948) (-)

Ion 77.05 (76.75 to 77.75): VU036842.D (-1948) (-)



#40

4-Methyl-2-pentanone

Concen: 49.920 ug/L

RT: 7.83 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

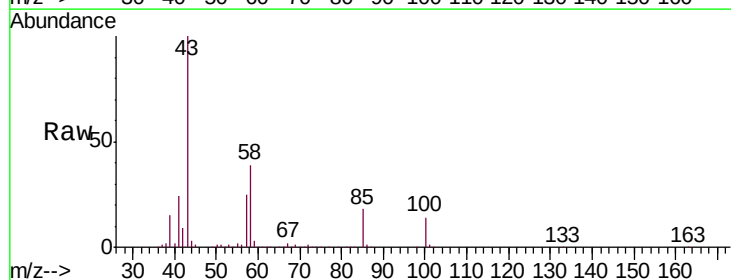
Tgt Ion: 43 Resp: 345688

Ion Ratio Lower Upper

43 100

58 38.8 32.0 48.0

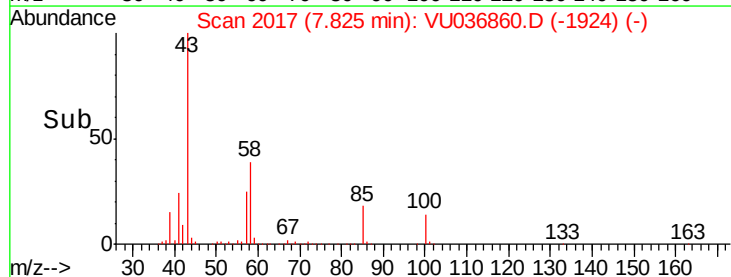
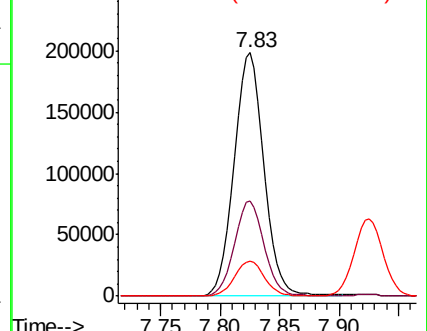
100 14.4 11.8 17.8

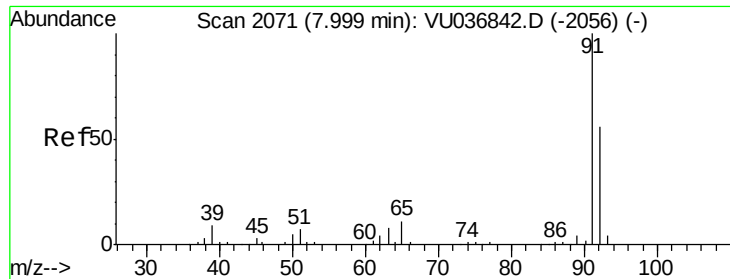


Abundance Ion 43.05 (42.75 to 43.75): VU036842.D (-2002) (-)

Ion 58.05 (57.75 to 58.75): VU036842.D (-2002) (-)

Ion 100.15 (99.85 to 100.85): VU036842.D (-2002) (-)





#42

Toluene

Concen: 4.824 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

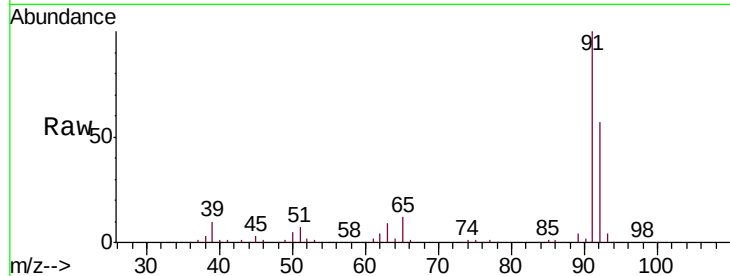
VSTD00525

Tgt Ion: 91 Resp: 203632

Ion Ratio Lower Upper

91 100

92 57.0 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036842.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036842.D (-2056) (-)

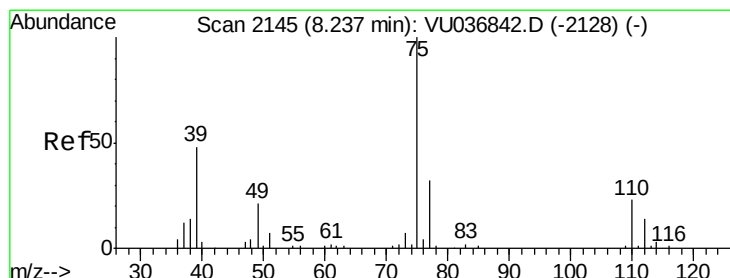
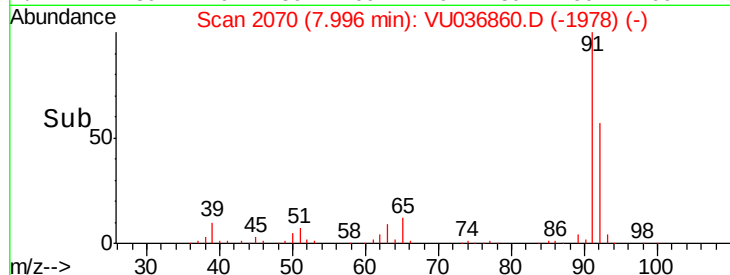
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.754 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036860.D

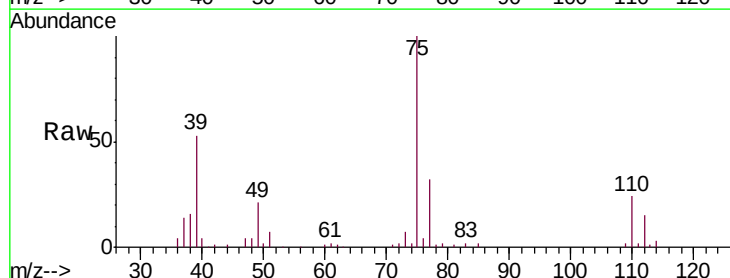
Acq: 19 Feb 2020 20:35

Tgt Ion: 75 Resp: 57686

Ion Ratio Lower Upper

75 100

77 32.1 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036842.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU036842.D (-2128) (-)

8.24

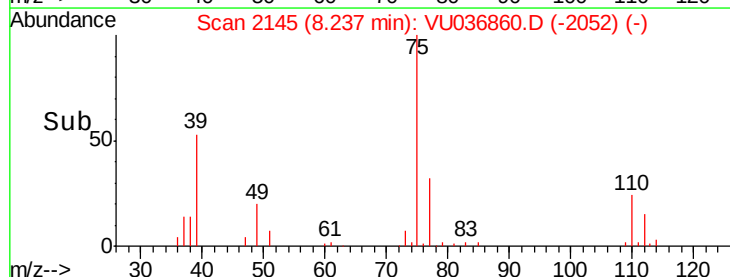
30000

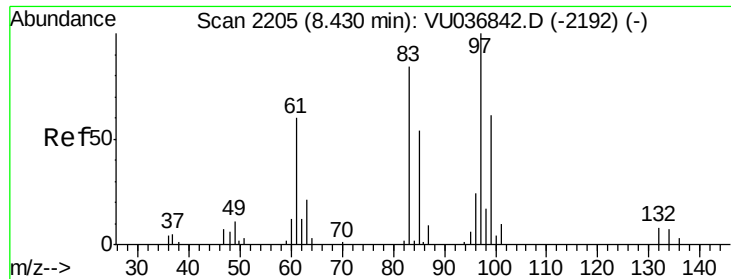
20000

10000

0

Time-->

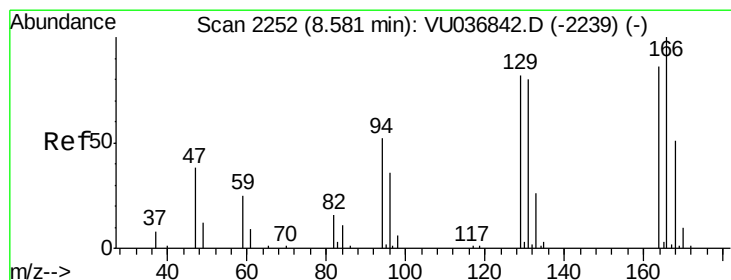
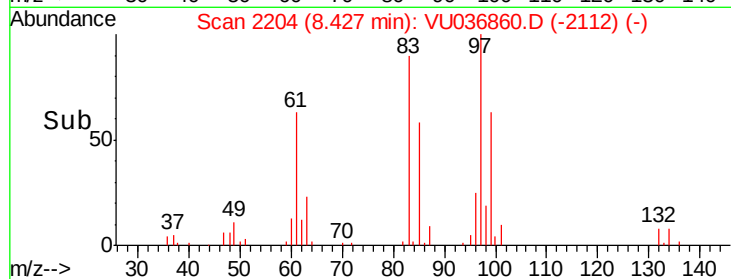
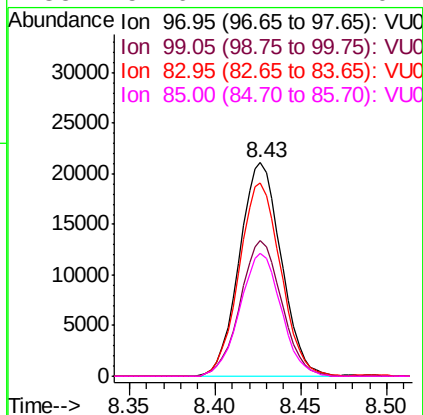
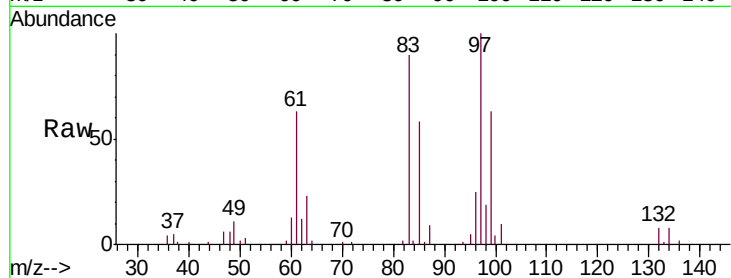




#45
 1,1,2-Trichloroethane
 Concen: 4.788 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

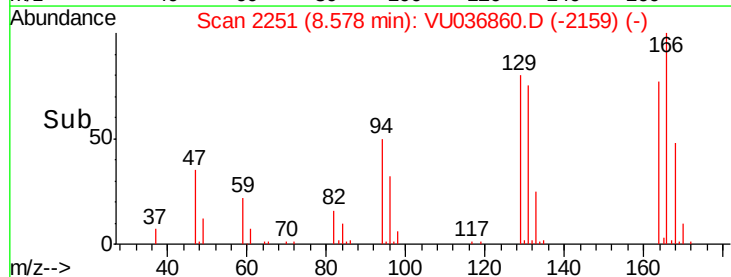
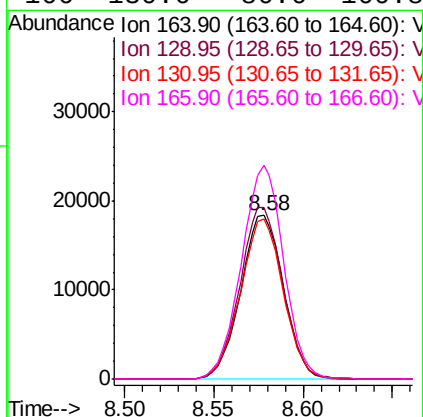
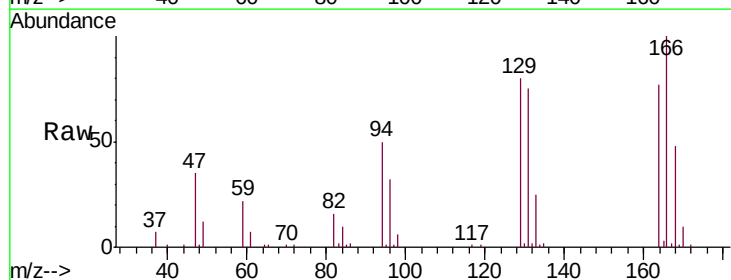
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

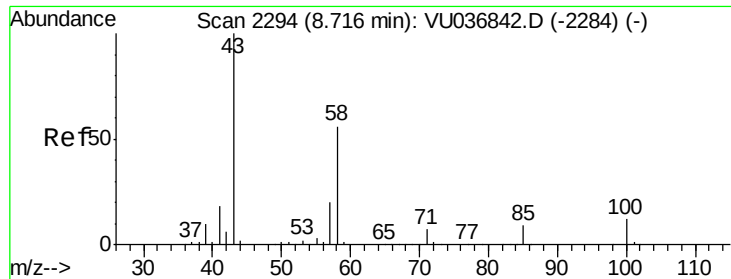
Tgt Ion:	97	Resp:	35746
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.1	81.9
83	90.3	63.5	117.9
85	57.6	41.2	76.4



#47
 Tetrachloroethene
 Concen: 4.511 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Tgt Ion:	164	Resp:	30719
Ion	Ratio	Lower	Upper
164	100		
129	104.7	68.0	126.4
131	97.5	69.4	128.8
166	130.6	86.6	160.8

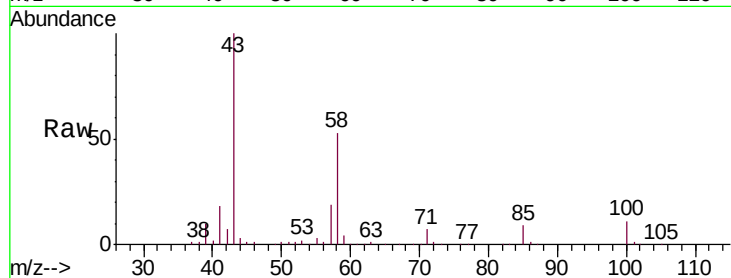




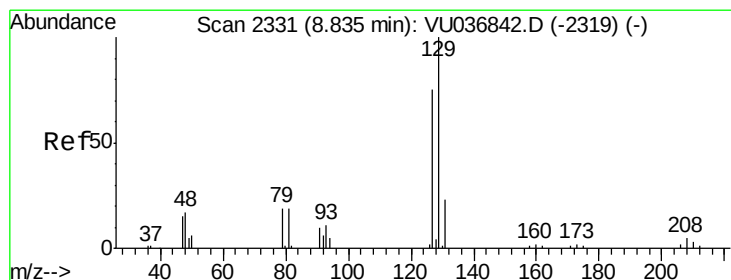
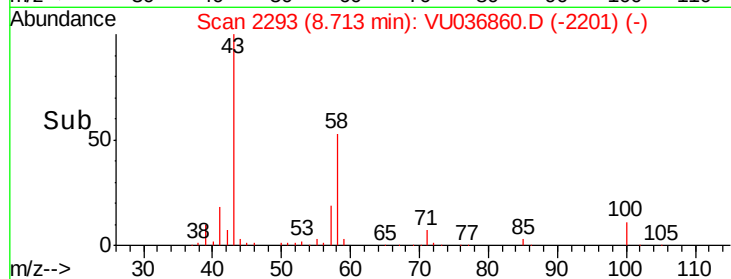
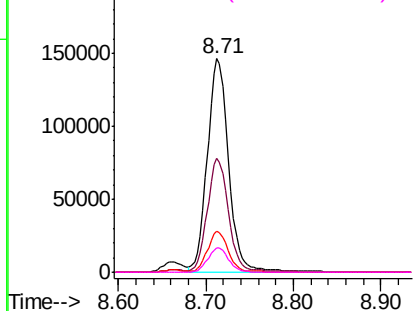
#48
2-Hexanone
Concen: 41.811 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU036860.D
Acq: 19 Feb 2020 20:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion: 43 Resp: 247775
Ion Ratio Lower Upper
43 100
58 53.0 43.6 65.4
57 18.5 15.0 22.4
100 11.1 9.0 13.6

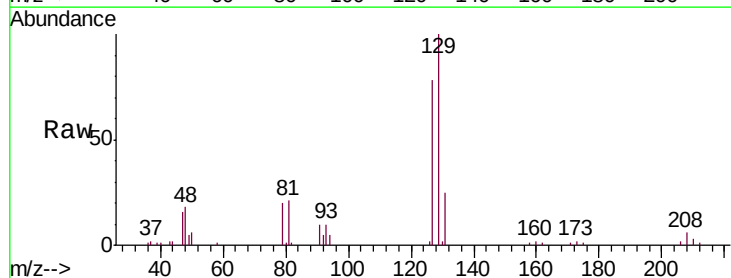


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

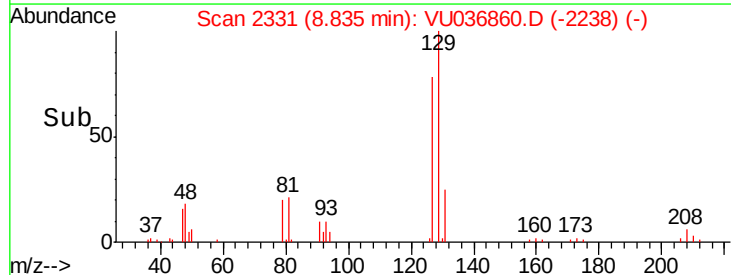
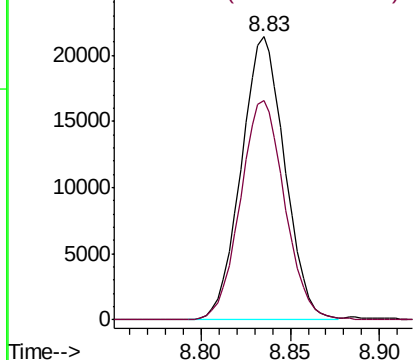


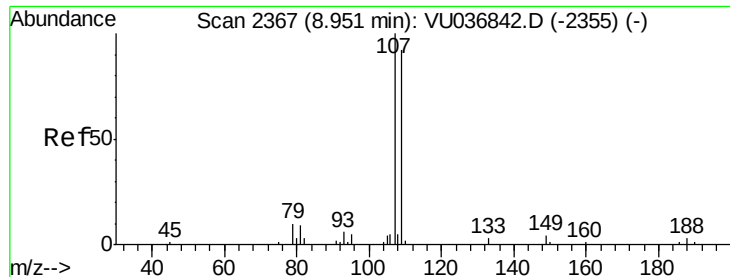
#49
Dibromochloromethane
Concen: 4.732 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036860.D
Acq: 19 Feb 2020 20:35

Tgt Ion: 129 Resp: 36536
Ion Ratio Lower Upper
129 100
127 77.6 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

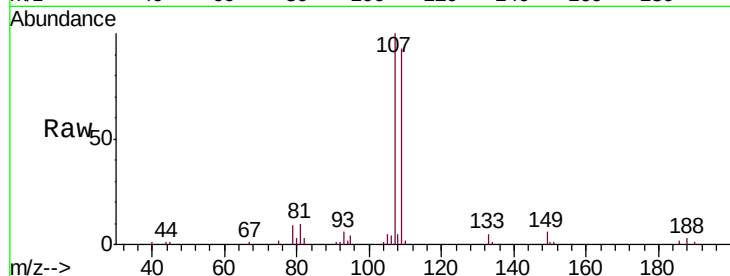




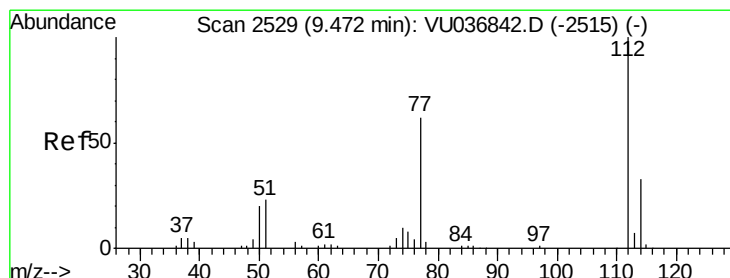
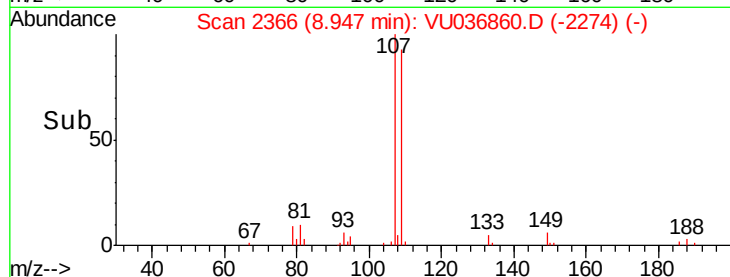
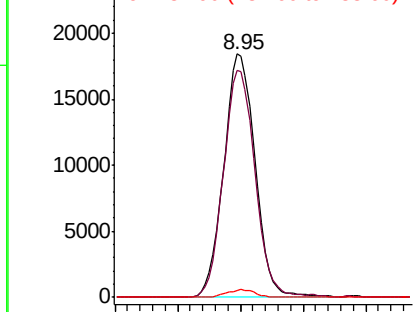
#50
1,2-Dibromoethane
Concen: 4.753 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VU036860.D
Acq: 19 Feb 2020 20:35

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tgt Ion:107 Resp: 32051
Ion Ratio Lower Upper
107 100
109 93.4 66.4 123.2
188 2.9 2.4 3.6

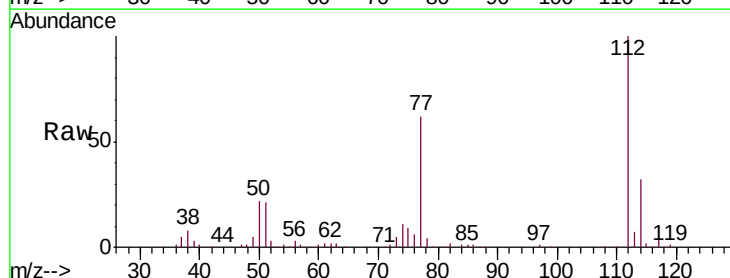


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

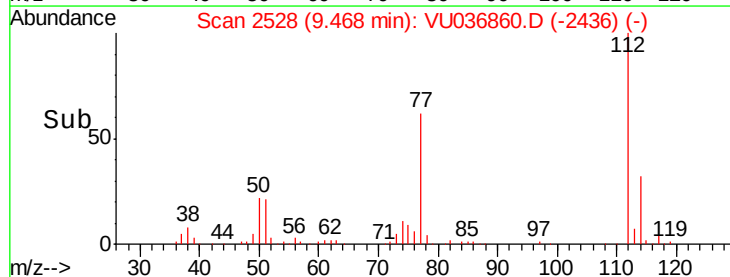
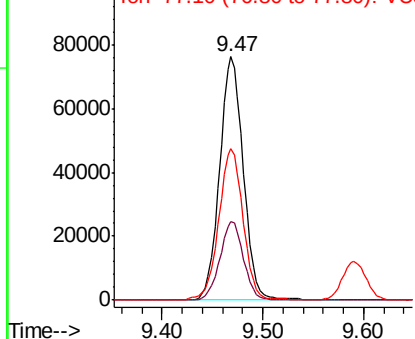


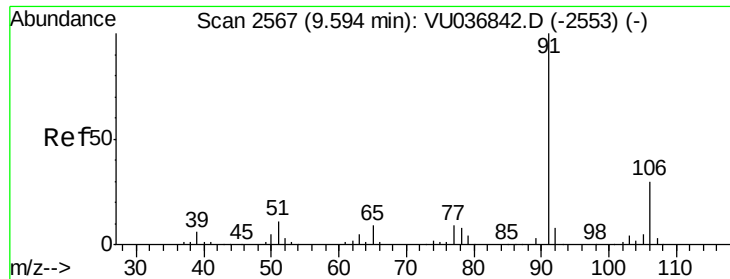
#51
Chlorobenzene
Concen: 4.788 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU036860.D
Acq: 19 Feb 2020 20:35

Tgt Ion:112 Resp: 125032
Ion Ratio Lower Upper
112 100
114 32.5 22.9 42.5
77 62.4 51.0 76.4



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





#52

Ethylbenzene

Concen: 4.759 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

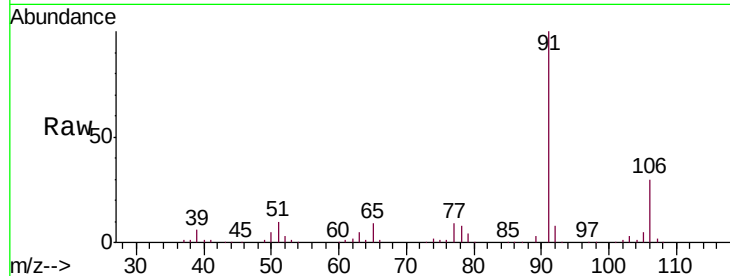
VSTD00525

Tgt Ion: 91 Resp: 224362

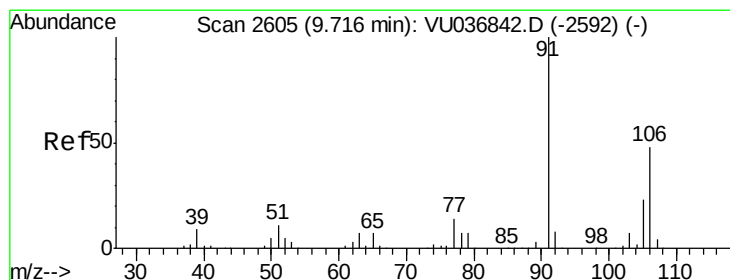
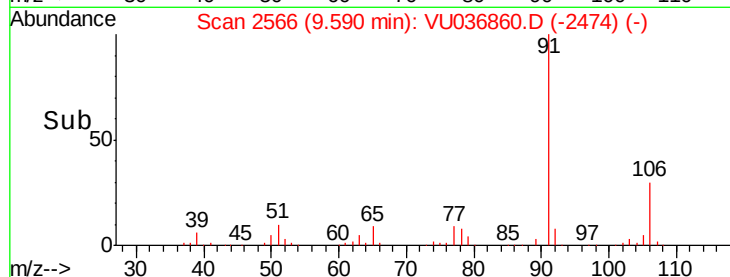
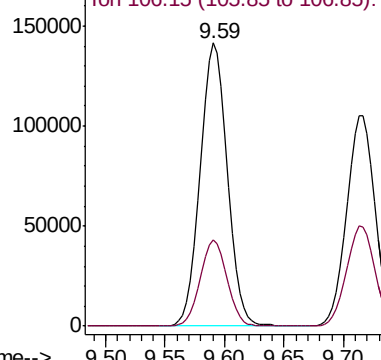
Ion Ratio Lower Upper

91 100

106 30.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036860.D (-2553) (-)



#53

m,p-Xylene

Concen: 4.802 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VU036860.D

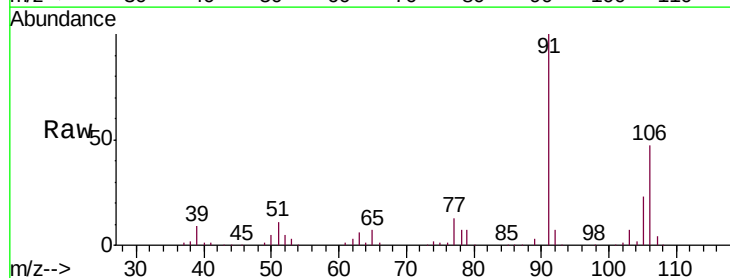
Acq: 19 Feb 2020 20:35

Tgt Ion: 106 Resp: 83310

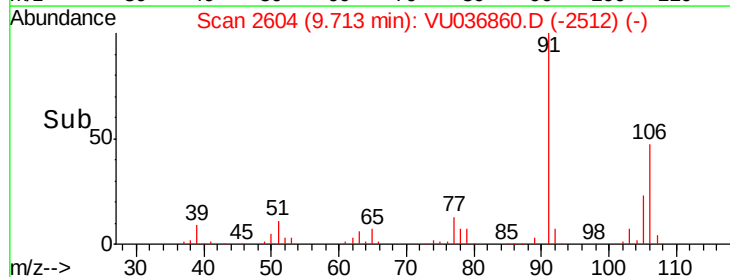
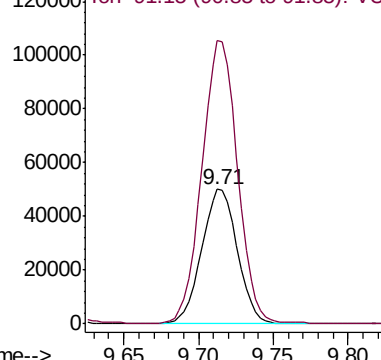
Ion Ratio Lower Upper

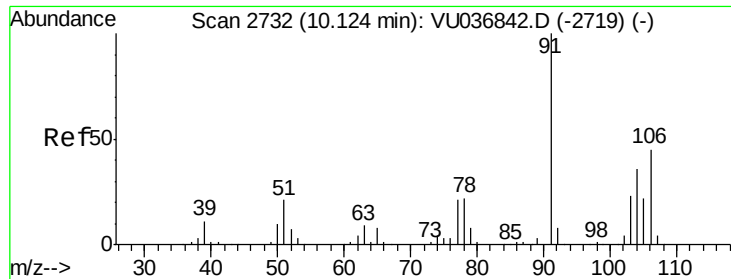
106 100

91 210.5 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036860.D (-2512) (-)

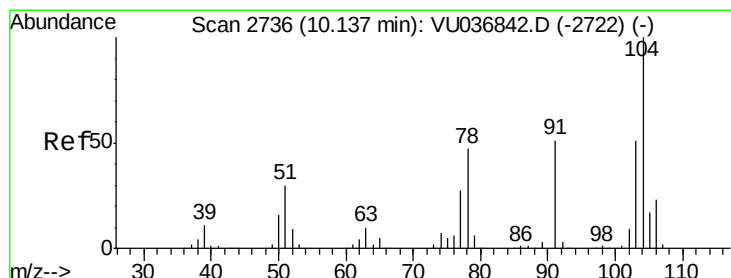
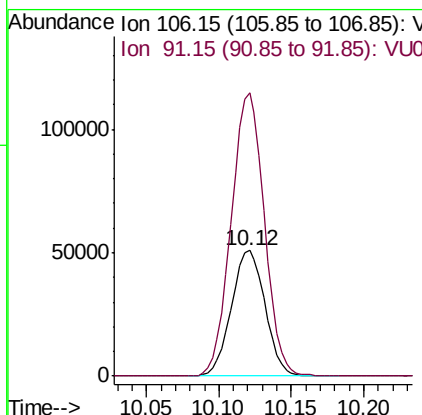
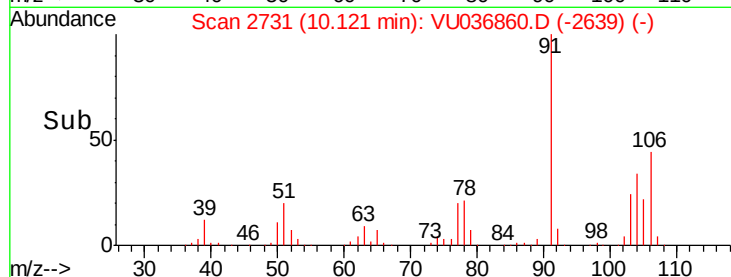
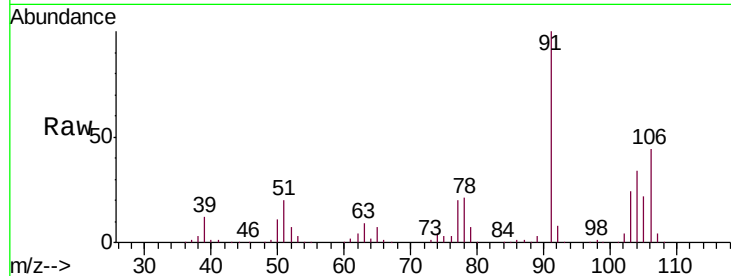




#54
o-Xylene
Concen: 4.820 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036860.D
Acq: 19 Feb 2020 20:35

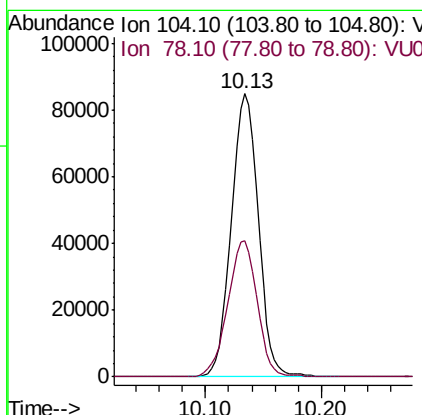
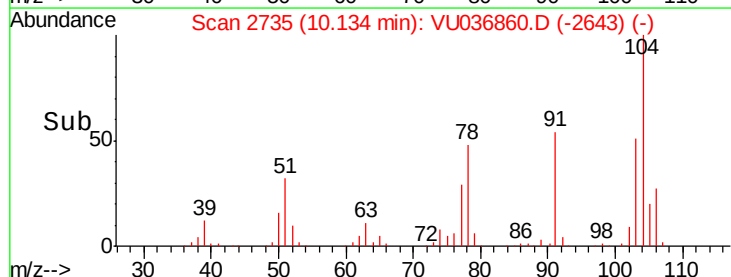
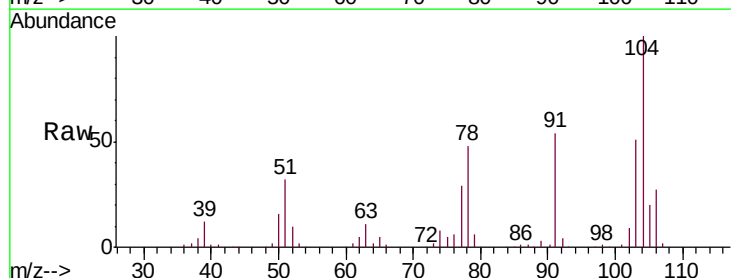
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

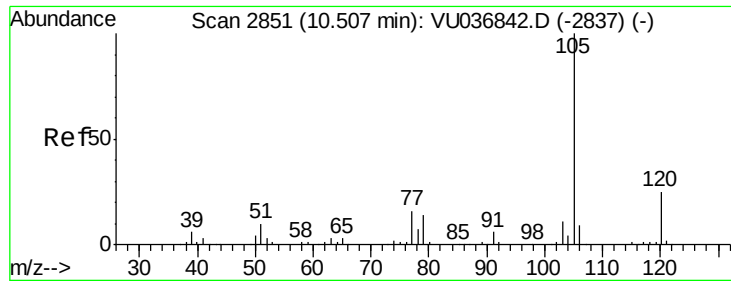
Tgt Ion:106 Resp: 82112
Ion Ratio Lower Upper
106 100
91 225.7 151.1 280.5



#55
Styrene
Concen: 4.757 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU036860.D
Acq: 19 Feb 2020 20:35

Tgt Ion:104 Resp: 136635
Ion Ratio Lower Upper
104 100
78 47.9 33.5 62.3





#56

Isopropylbenzene

Concen: 4.806 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

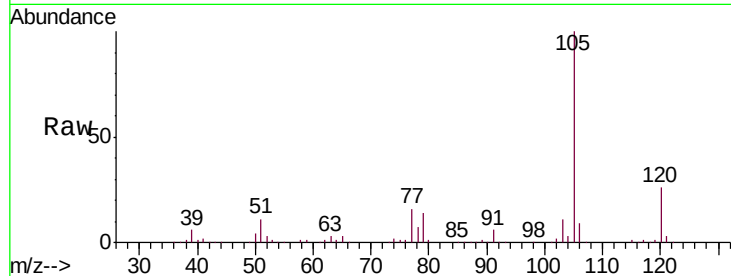
Tgt Ion: 105 Resp: 219133

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

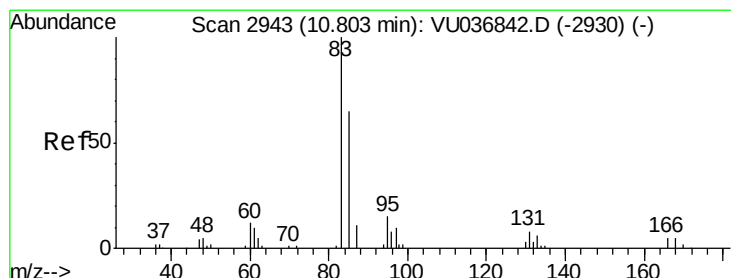
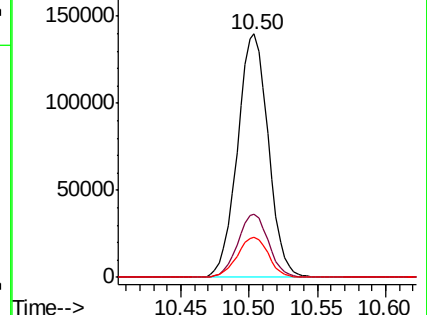
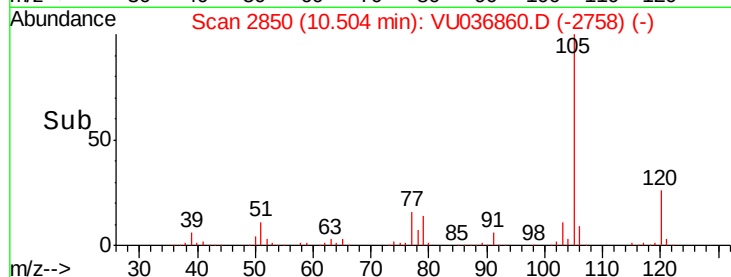
77 16.7 13.0 19.6



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: 4.746 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

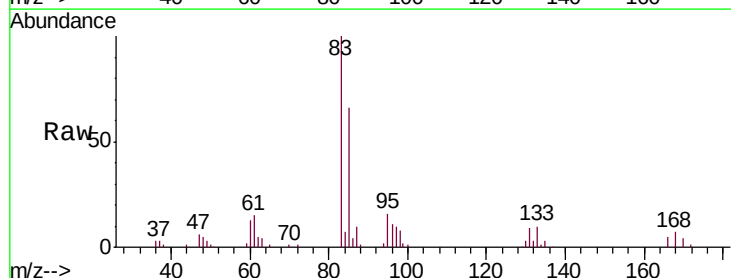
Tgt Ion: 83 Resp: 46384

Ion Ratio Lower Upper

83 100

85 65.7 45.6 84.6

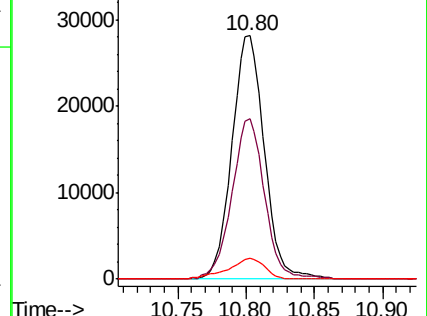
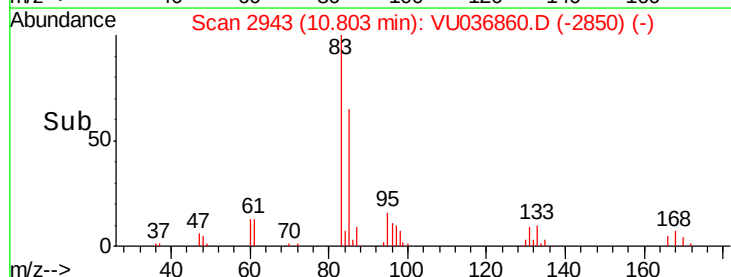
131 8.6 6.8 10.2

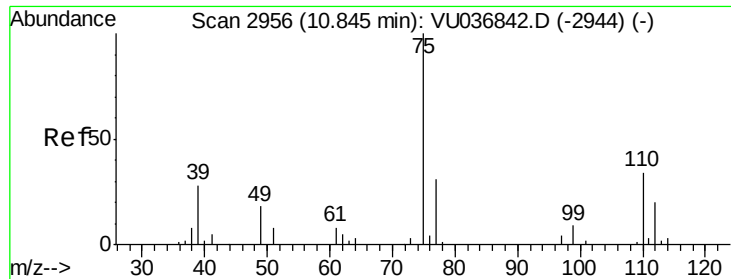


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.864 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

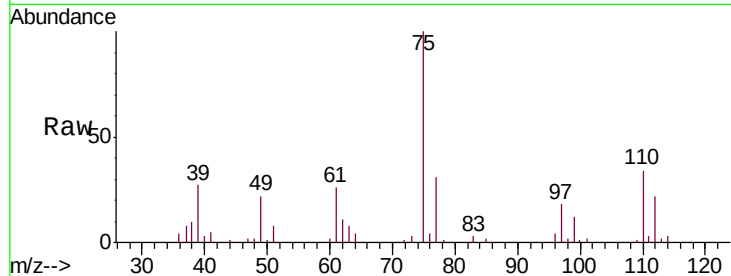
VSTD00525

Tgt Ion: 75 Resp: 34460

Ion Ratio Lower Upper

75 100

77 32.2 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036842.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU036842.D (-2944) (-)

10.84

20000

15000

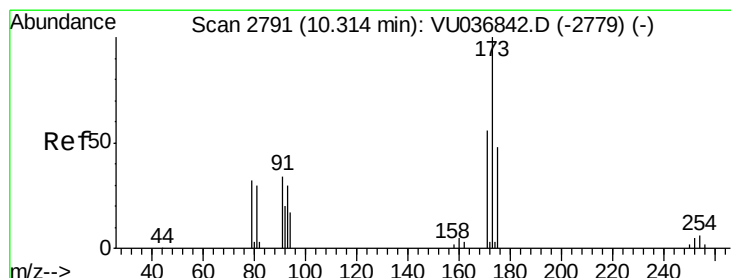
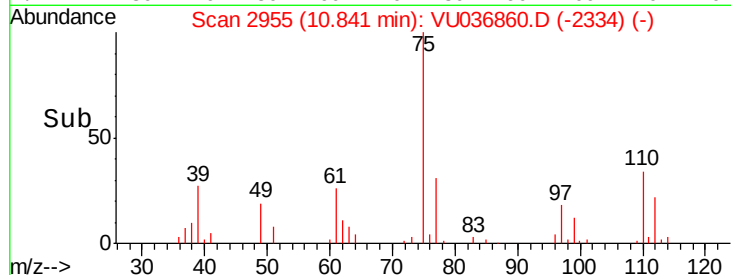
10000

5000

0

Time-->

10.80 10.85 10.90



#61

Bromoform

Concen: 4.620 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

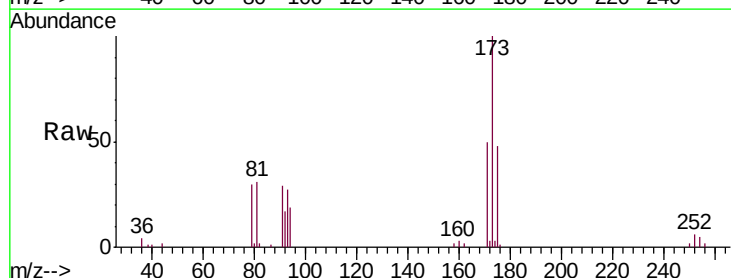
Tgt Ion: 173 Resp: 18731

Ion Ratio Lower Upper

173 100

175 47.7 39.9 59.9

254 5.0 4.6 6.8



Abundance Ion 172.90 (172.60 to 173.60): VU036842.D (-2779) (-)

Ion 174.90 (174.60 to 175.60): VU036842.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU036842.D (-2779) (-)

10.31

15000

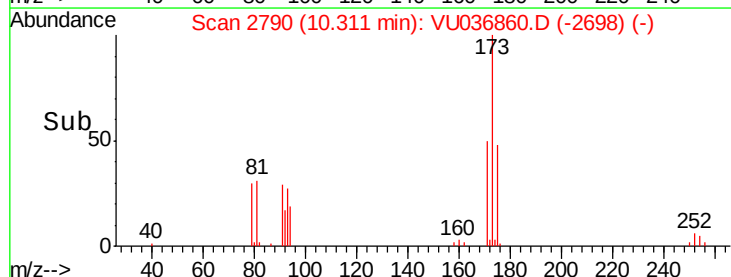
10000

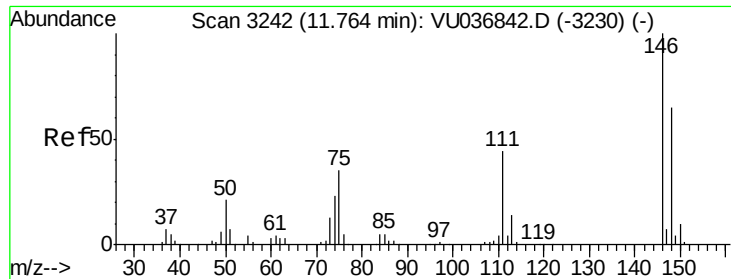
5000

0

Time-->

10.25 10.30 10.35

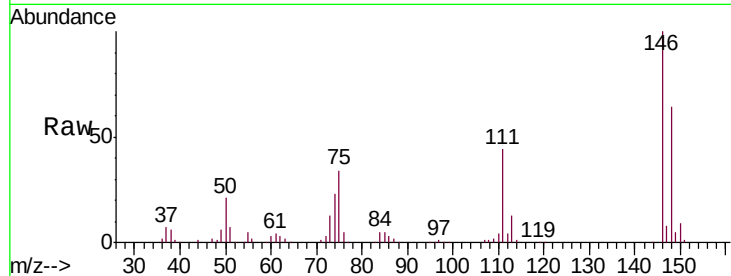




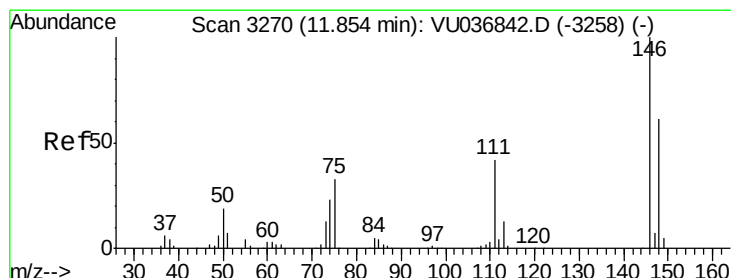
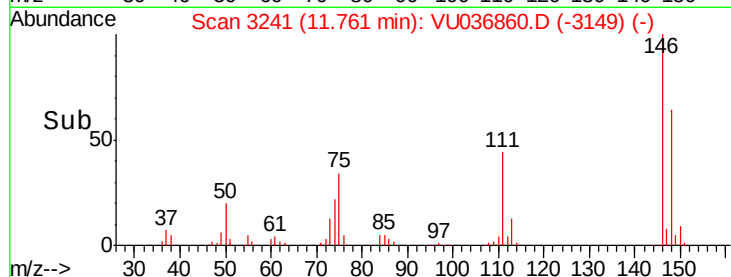
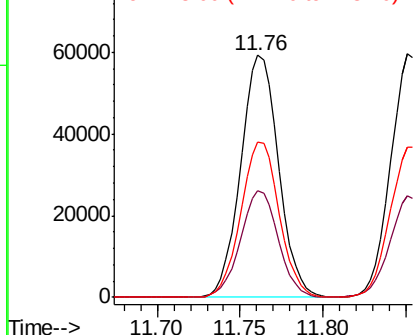
#62
 1,3-Dichlorobenzene
 Concen: 4.643 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion:146 Resp: 94134
 Ion Ratio Lower Upper
 146 100
 111 43.9 30.0 55.8
 148 64.0 44.5 82.7

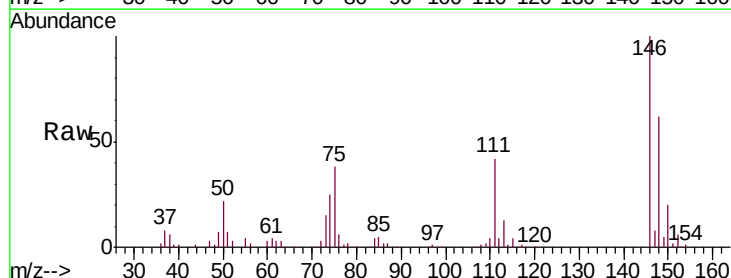


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

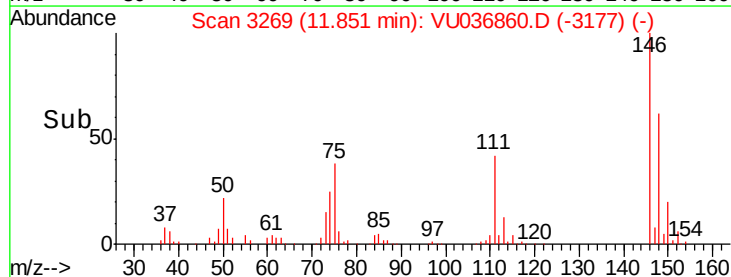
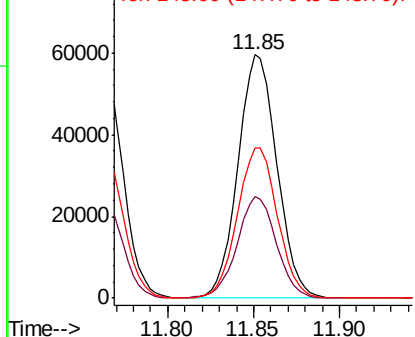


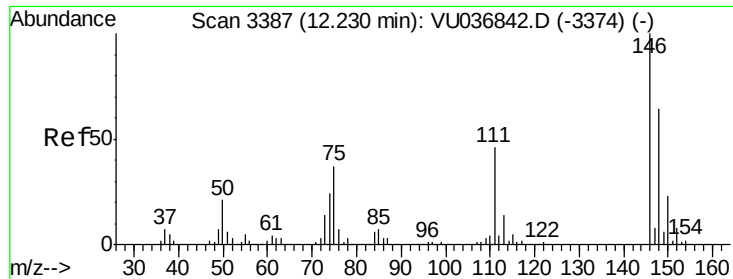
#63
 1,4-Dichlorobenzene
 Concen: 4.674 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Tgt Ion:146 Resp: 93938
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.2 54.2
 148 61.9 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

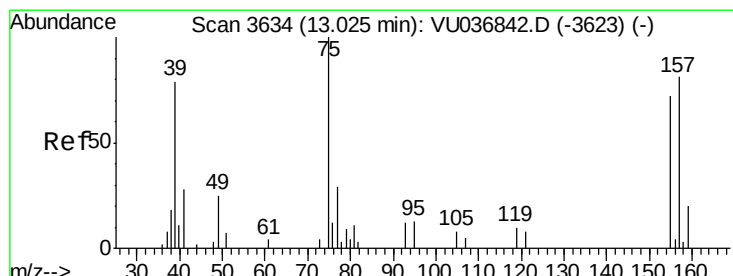
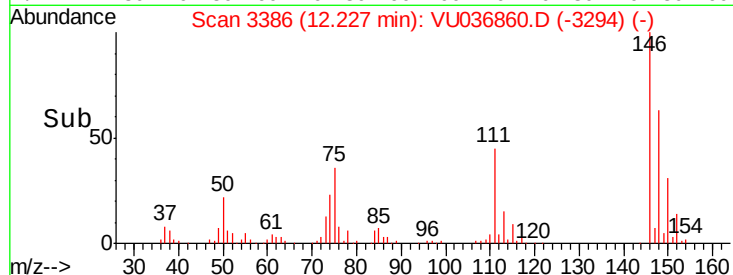
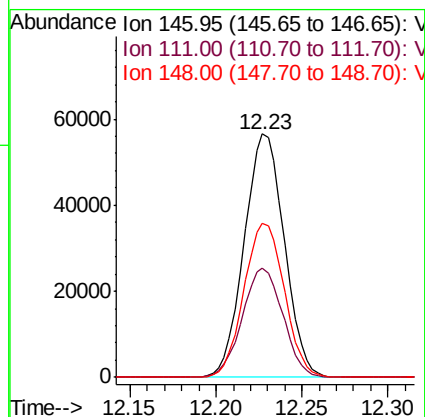
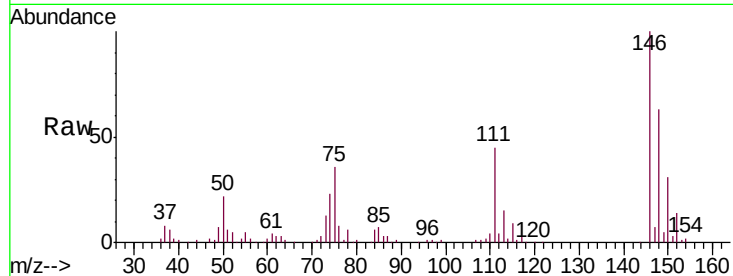




#65
 1,2-Dichlorobenzene
 Concen: 4.677 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

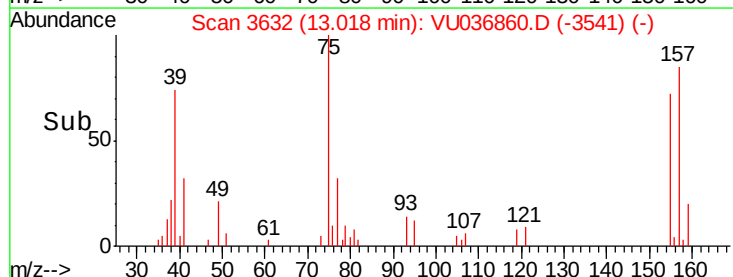
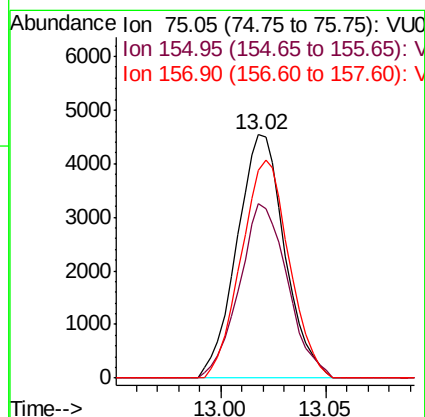
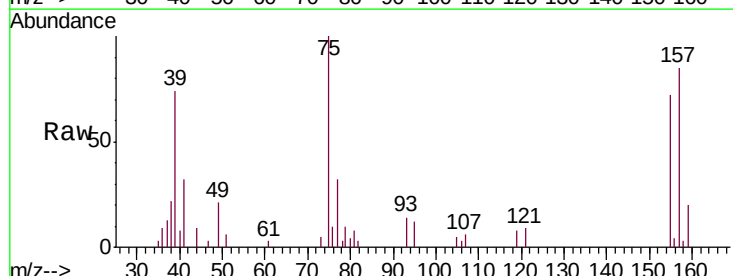
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

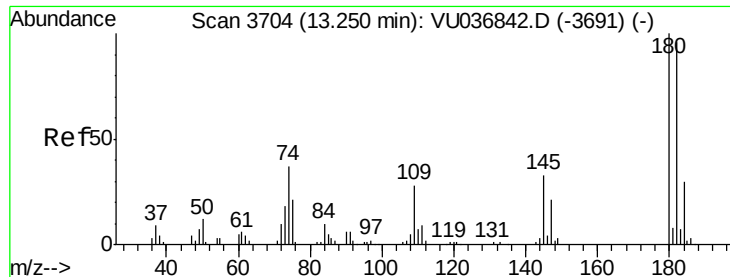
Tgt Ion: 146 Resp: 91403
 Ion Ratio Lower Upper
 146 100
 111 45.1 35.9 53.9
 148 63.4 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.912 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.01 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Tgt Ion: 75 Resp: 7164
 Ion Ratio Lower Upper
 75 100
 155 71.6 52.9 79.3
 157 85.2 69.2 103.8

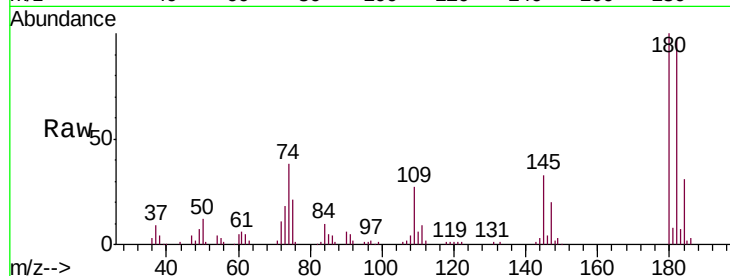




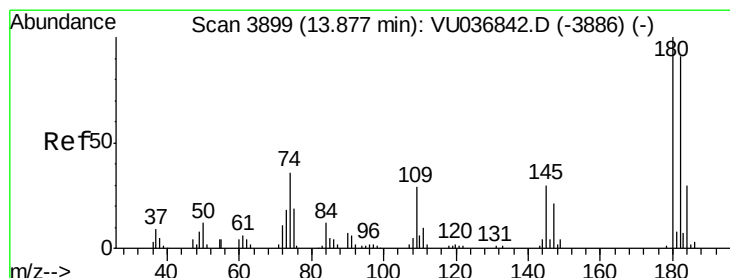
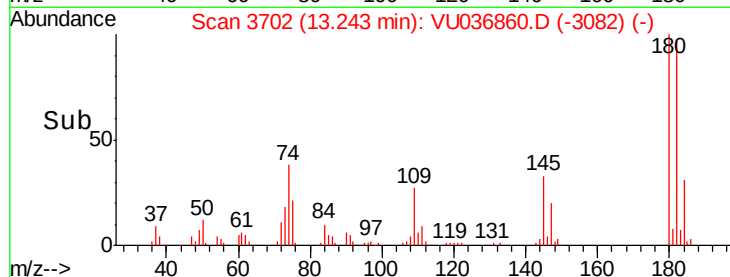
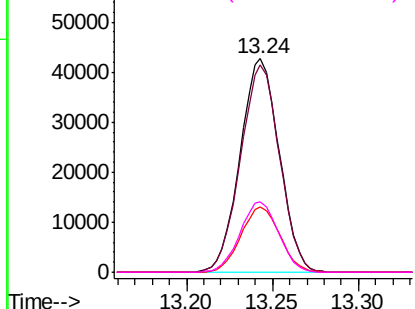
#67
 1,3,5-Trichlorobenzene
 Concen: 4.710 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.01 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tgt Ion:180 Resp: 67229
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.4 114.6
 184 30.5 24.6 37.0
 145 32.6 25.3 37.9

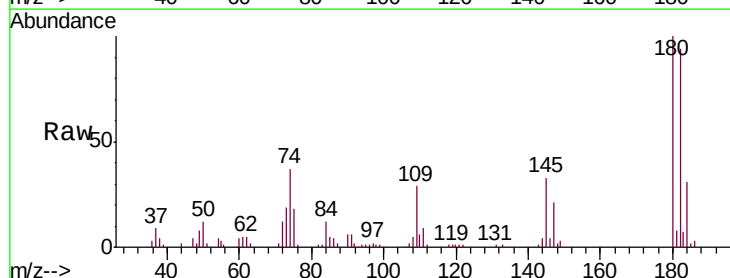


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

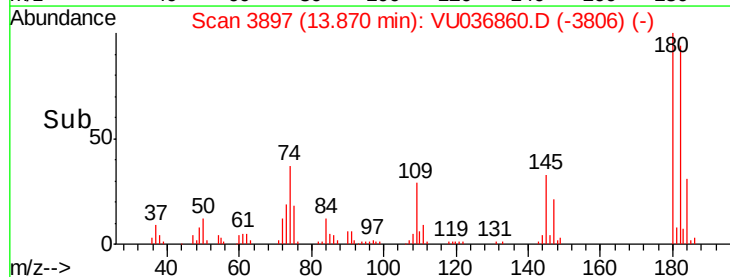
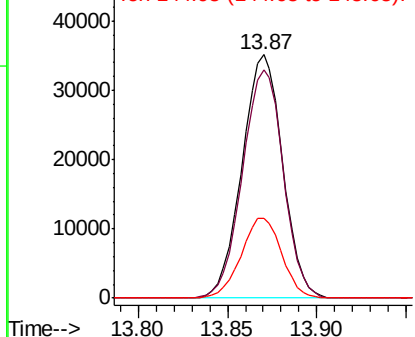


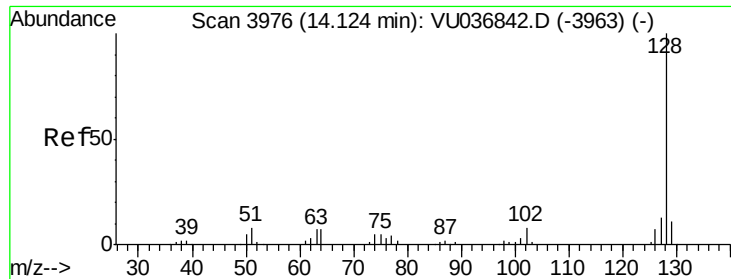
#68
 1,2,4-trichlorobenzene
 Concen: 5.180 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.01 min
 Lab File: VU036860.D
 Acq: 19 Feb 2020 20:35

Tgt Ion:180 Resp: 55756
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.0 115.6
 145 32.8 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: 9.169 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.01 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

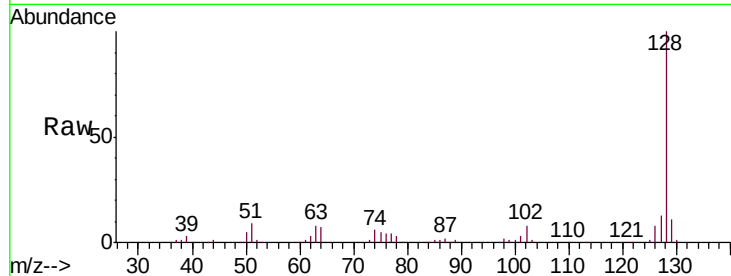
Tgt Ion:128 Resp: 178791

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

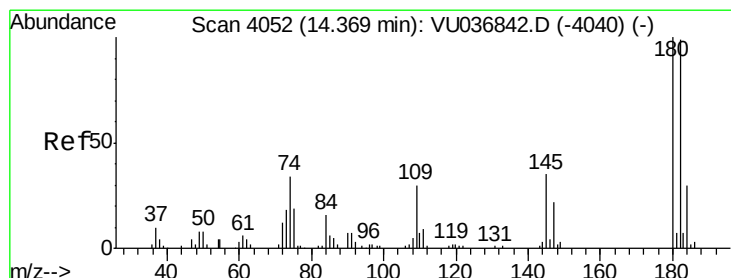
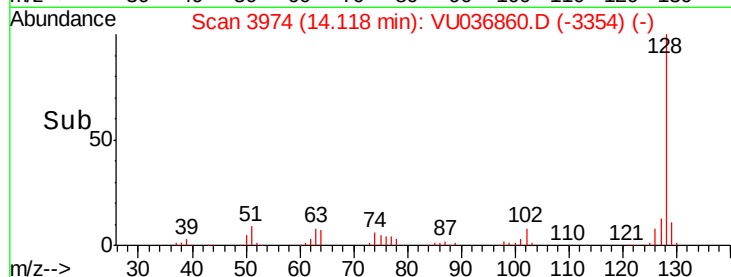
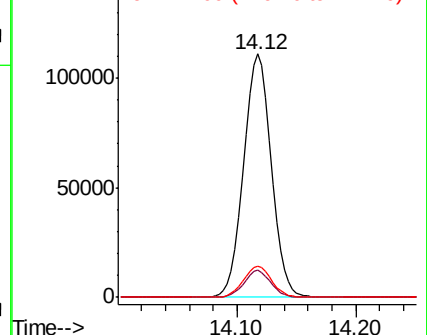
127 13.1 10.8 16.2



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: 5.335 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. -0.01 min

Lab File: VU036860.D

Acq: 19 Feb 2020 20:35

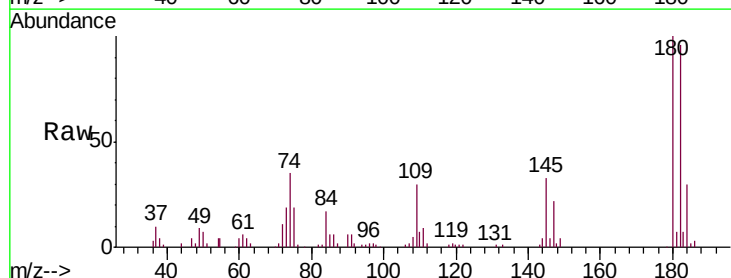
Tgt Ion:180 Resp: 51526

Ion Ratio Lower Upper

180 100

182 96.1 78.2 117.4

145 33.0 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

