

Data File : VU036871.D
Acq On : 20 Feb 2020 16:19
Operator : JC/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Quant Time: Feb 21 00:52:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 21 00:49:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	134696	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	125930	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	56258	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48109	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.93	69	45272	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.59	63	86939	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.68	46	129015	53.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.22%
24) Chloroform-d	5.11	84	88959	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.74	65	48519	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.76	84	185683	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.73	67	59294	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.92	98	167461	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	8.21	79	21610	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.66	63	108667	50.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.76%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	45752	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	53121	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	41576	4.674 ug/L	99
3) Chloromethane	1.53	50	47017	5.078 ug/L	98
5) Vinyl chloride	1.62	62	49697	4.595 ug/L	100
6) Bromomethane	1.87	94	24414	3.757 ug/L	97
8) Chloroethane	1.95	64	33474	4.431 ug/L	100
9) Trichlorofluoromethane	2.16	101	64378	4.525 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	42625	4.691 ug/L	99
12) 1,1-Dichloroethene	2.60	96	38341	4.680 ug/L	97
13) Acetone	2.67	43	117591	37.856 ug/L	99
14) Carbon disulfide	2.82	76	85962	4.348 ug/L	100
15) Methyl Acetate	2.99	43	20300	4.925 ug/L	100
16) Methylene chloride	3.08	84	52003	3.765 ug/L	96
17) Methyl tert-butyl Ether	3.40	73	118342	4.877 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	39918	4.721 ug/L	97
19) 1,1-Dichloroethane	3.91	63	88138	4.971 ug/L	98
21) 2-Butanone	4.76	43	162474	44.965 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	50274	4.914 ug/L	96

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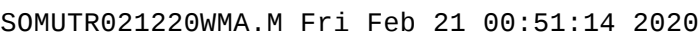
Instrument :
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VSTD00527

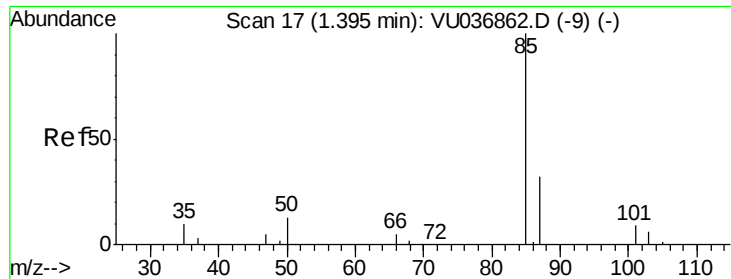
Quant Time: Feb 21 00:52:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	19294	4.743	ug/L	95
25) Chloroform	5.13	83	88726	4.686	ug/L	100
27) 1,2-Dichloroethane	5.83	62	57657	4.777	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	66502	4.808	ug/L	99
30) Cyclohexane	5.42	56	72739	4.951	ug/L	96
31) Carbon tetrachloride	5.56	117	49438	4.431	ug/L	97
33) Benzene	5.81	78	191693	4.935	ug/L	100
34) Trichloroethene	6.57	95	47111	4.762	ug/L	98
35) Methylcyclohexane	6.79	83	75650	4.819	ug/L	98
37) 1,2-Dichloropropane	6.83	63	52910	4.989	ug/L	100
38) Bromodichloromethane	7.14	83	60237	4.759	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	74888	4.880	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	345317	50.456	ug/L	99
42) Toluene	8.00	91	205121	4.917	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	58159	4.849	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	35906	4.866	ug/L	97
47) Tetrachloroethene	8.58	164	31035	4.612	ug/L	99
48) 2-Hexanone	8.71	43	271528	46.361	ug/L	100
49) Dibromochloromethane	8.83	129	36604	4.797	ug/L	97
50) 1,2-Dibromoethane	8.95	107	32235	4.837	ug/L	99
51) Chlorobenzene	9.47	112	124634	4.829	ug/L	99
52) Ethylbenzene	9.59	91	225953	4.850	ug/L	99
53) m,p-Xylene	9.72	106	82946	4.837	ug/L	96
54) o-Xylene	10.12	106	83104	4.935	ug/L	95
55) Styrene	10.13	104	137307	4.837	ug/L	98
56) Isopropylbenzene	10.50	105	222808	4.944	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	46255	4.789	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	34033	4.860	ug/L	98
61) Bromoform	10.31	173	18062	4.660	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	92882	4.792	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	91986	4.787	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	90535	4.845	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	6639	4.761	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	65734	4.817	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	50626	4.920	ug/L	99
69) Naphthalene	14.12	128	125612	6.738	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	47579	5.152	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 4.674 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

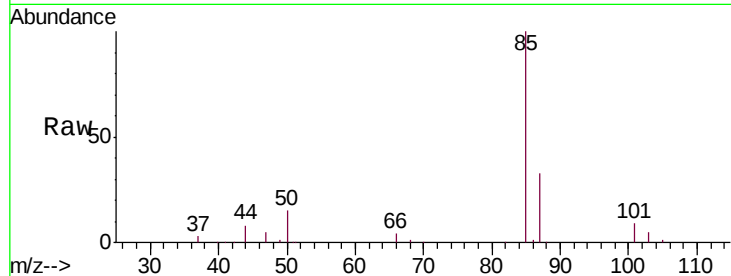
VSTD00527

Tgt Ion: 85 Resp: 41576

Ion Ratio Lower Upper

85 100

87 32.7 25.7 38.5

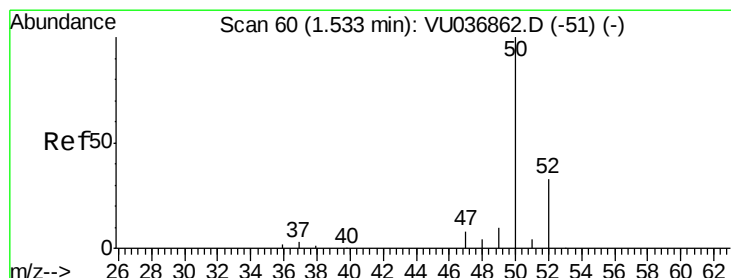
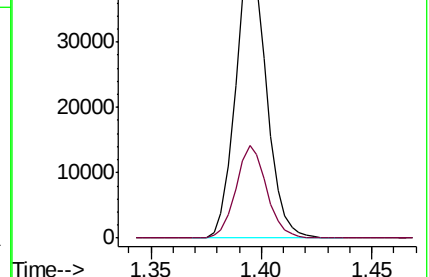
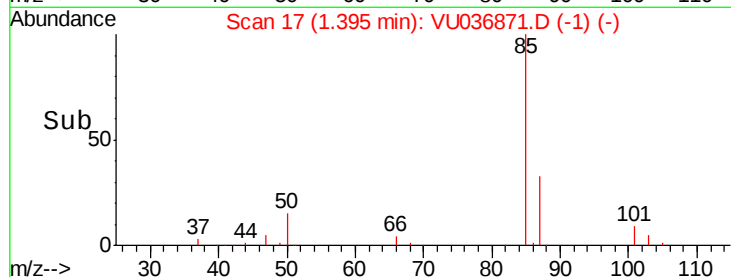


Abundance Ion 85.00 (84.70 to 85.70): VU036862.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036862.D (-9) (-)

1.39

Time-->



#3

Chloromethane

Concen: 5.078 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU036871.D

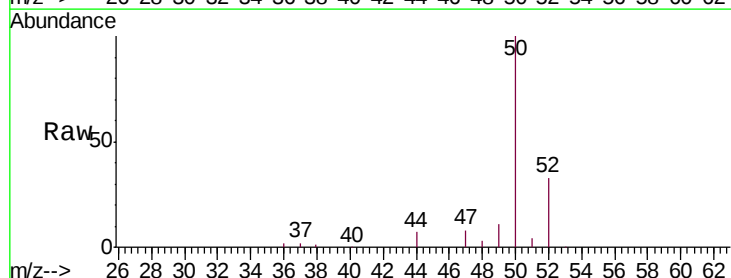
Acq: 20 Feb 2020 16:19

Tgt Ion: 50 Resp: 47017

Ion Ratio Lower Upper

50 100

52 33.1 23.8 44.2

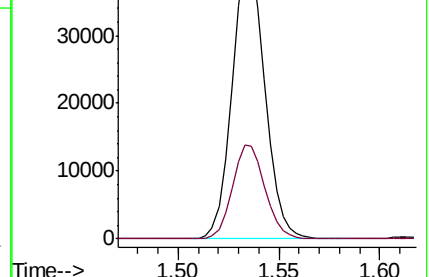
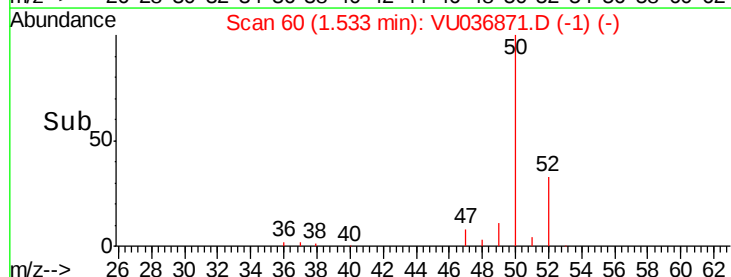


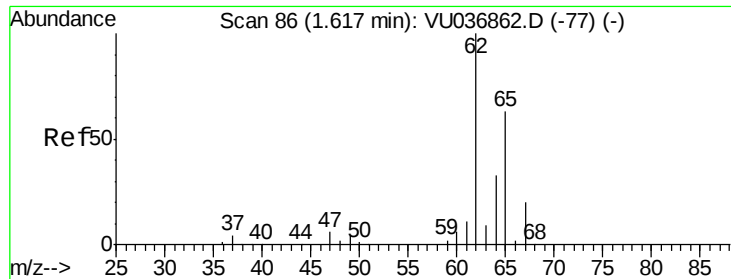
Abundance Ion 50.05 (49.75 to 50.75): VU036862.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU036862.D (-51) (-)

1.53

Time-->





#5

Vinyl chloride

Concen: 4.595 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

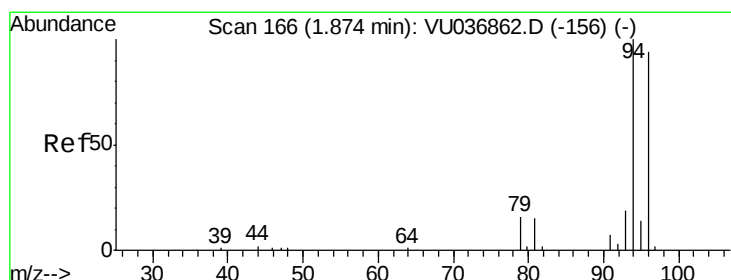
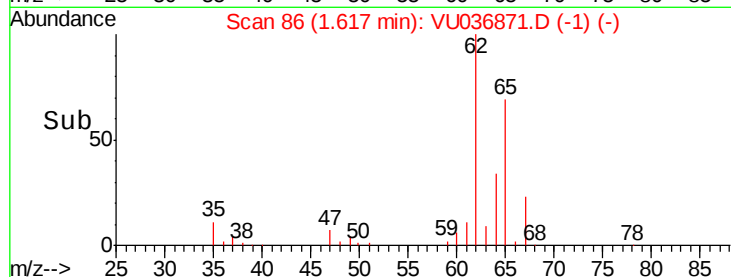
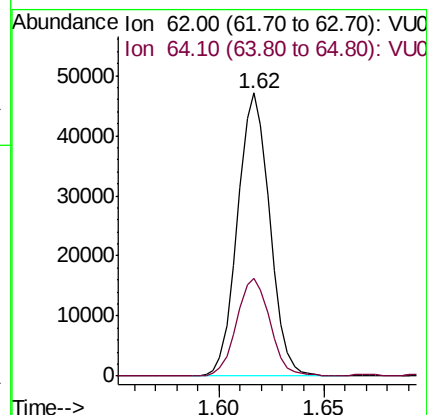
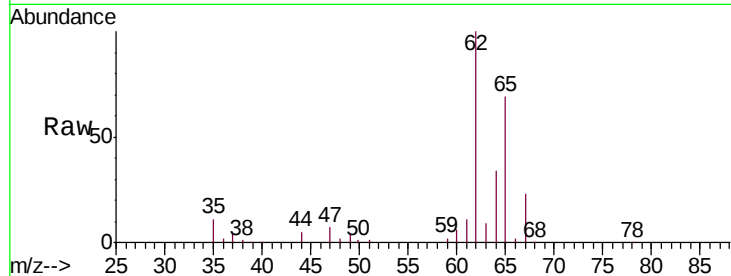
VSTD00527

Tgt Ion: 62 Resp: 49697

Ion Ratio Lower Upper

62 100

64 34.5 24.1 44.7



#6

Bromomethane

Concen: 3.757 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036871.D

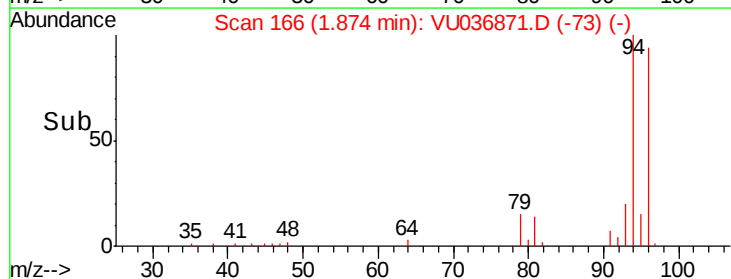
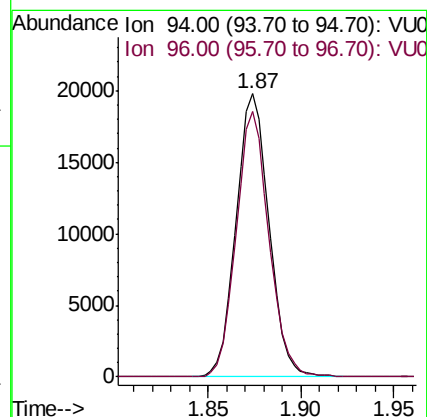
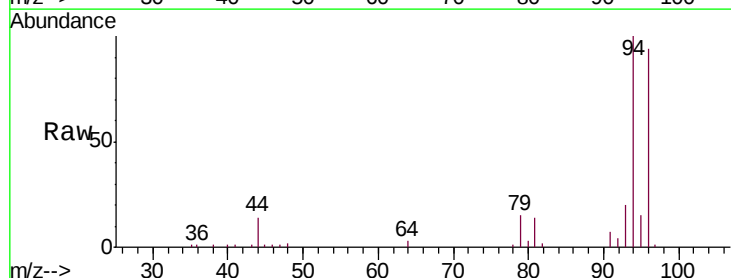
Acq: 20 Feb 2020 16:19

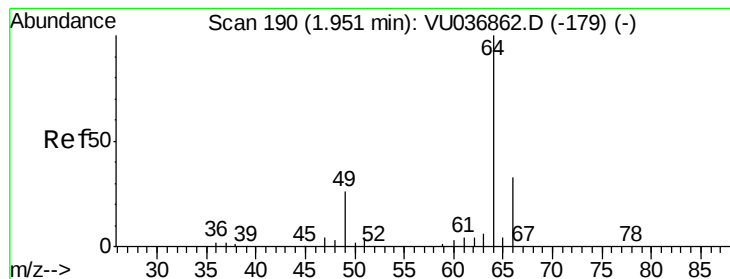
Tgt Ion: 94 Resp: 24414

Ion Ratio Lower Upper

94 100

96 93.8 63.3 117.7





#8

Chloroethane

Concen: 4.431 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

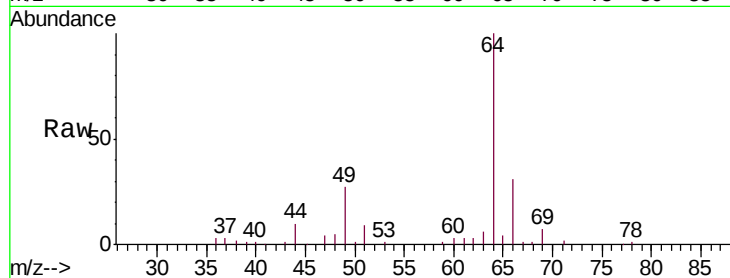
VSTD00527

Tgt Ion: 64 Resp: 33474

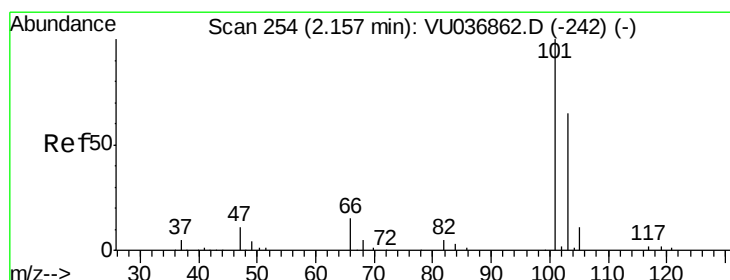
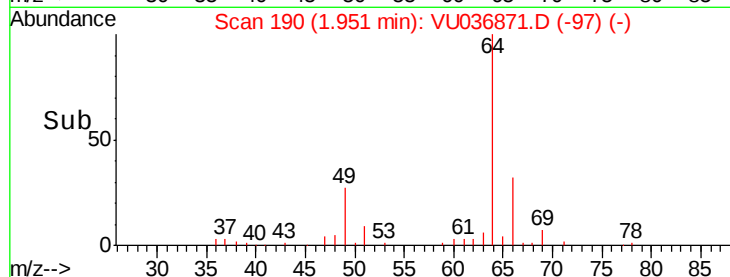
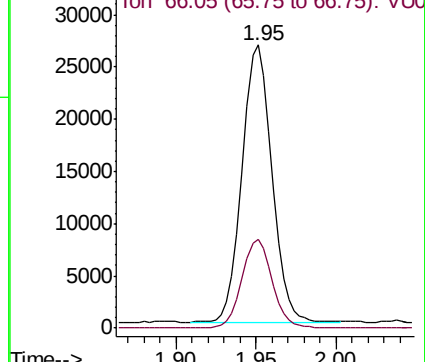
Ion Ratio Lower Upper

64 100

66 31.4 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036871.D (-97) (-)



#9

Trichlorofluoromethane

Concen: 4.525 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU036871.D

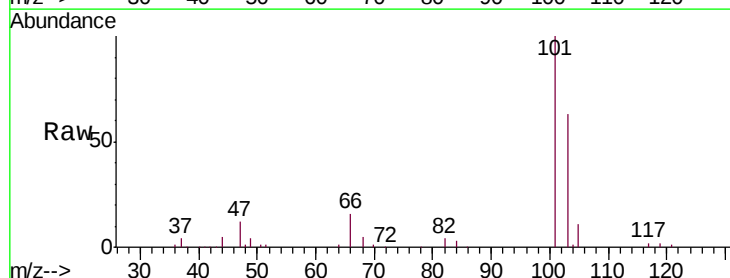
Acq: 20 Feb 2020 16:19

Tgt Ion: 101 Resp: 64378

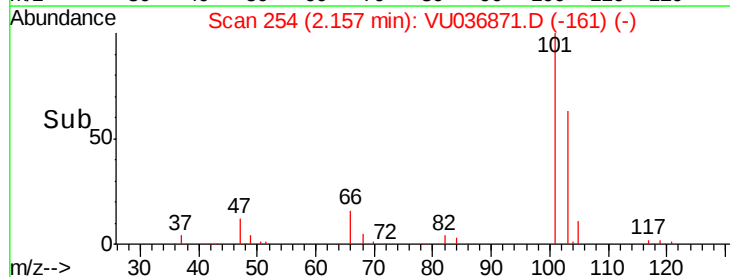
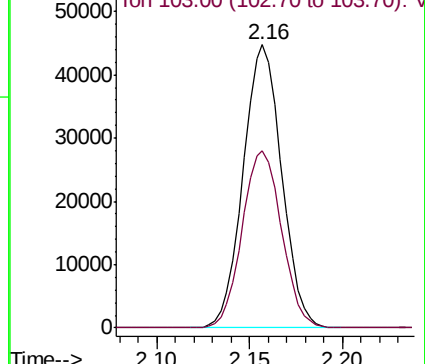
Ion Ratio Lower Upper

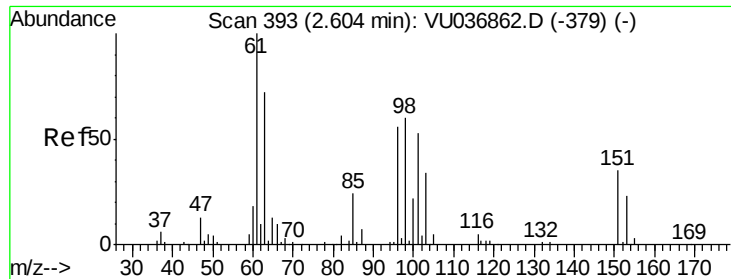
101 100

103 64.1 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036871.D (-161) (-)





#10

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

Concen: 4.691 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

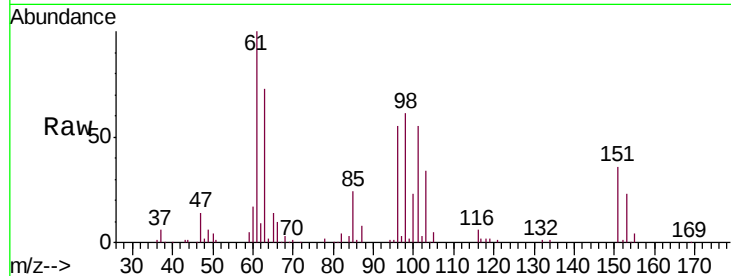
Tgt Ion: 101 Resp: 42625

Ion Ratio Lower Upper

101 100

85 45.5 36.4 54.6

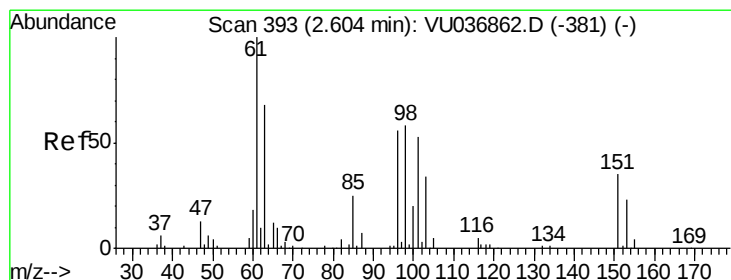
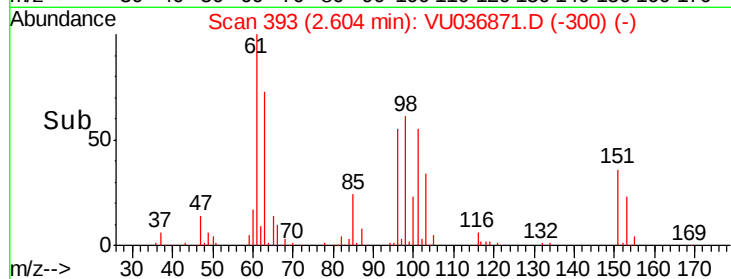
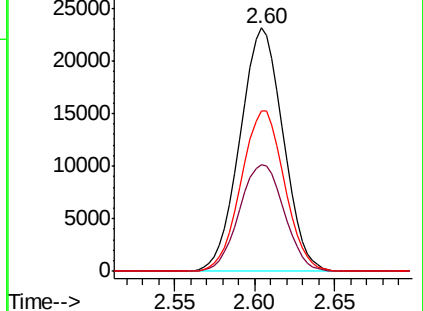
151 66.3 54.0 81.0



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: 4.680 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

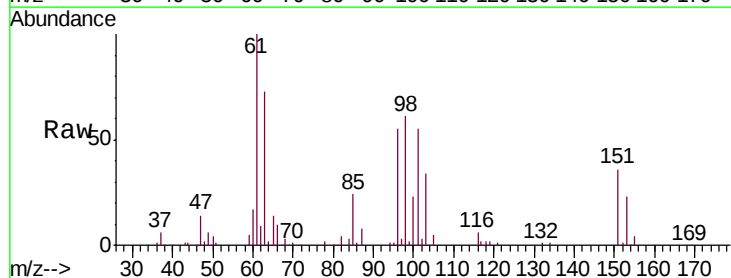
Tgt Ion: 96 Resp: 38341

Ion Ratio Lower Upper

96 100

61 183.4 126.4 234.8

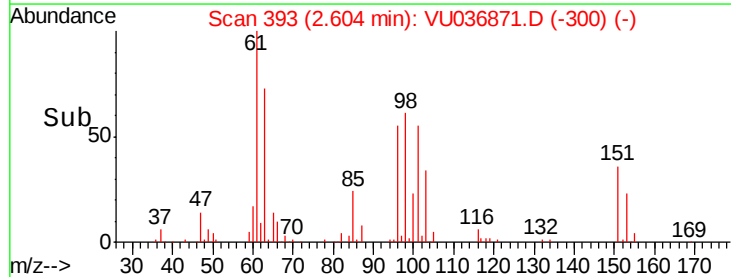
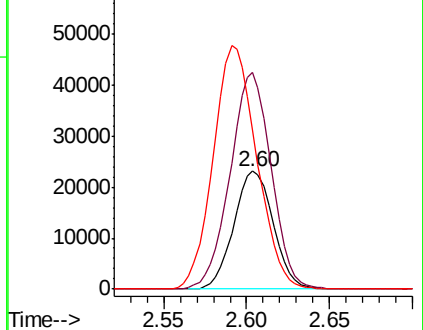
63 134.4 89.5 166.3

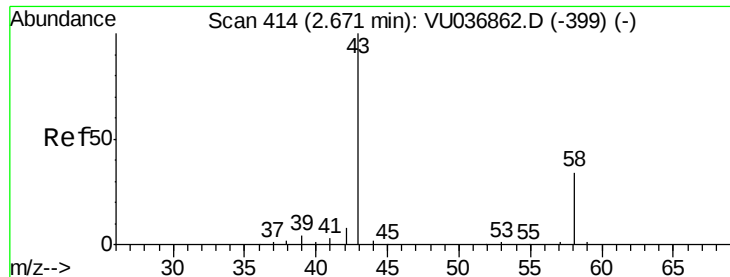


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 37.856 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

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ClientSampleId :

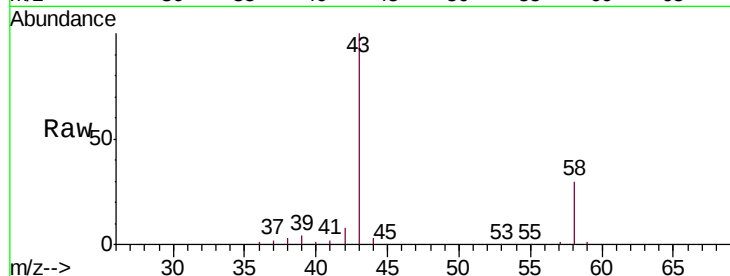
VSTD00527

Tgt Ion: 43 Resp: 117591

Ion Ratio Lower Upper

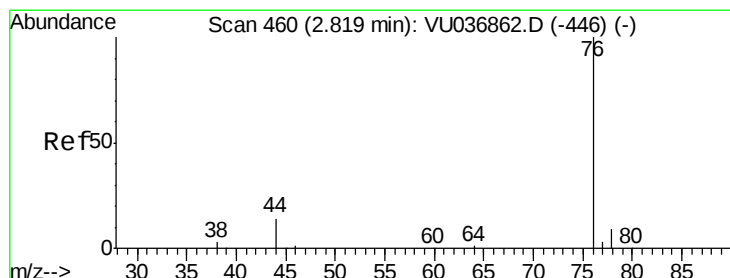
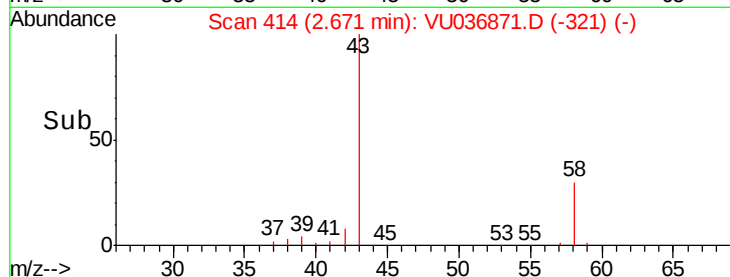
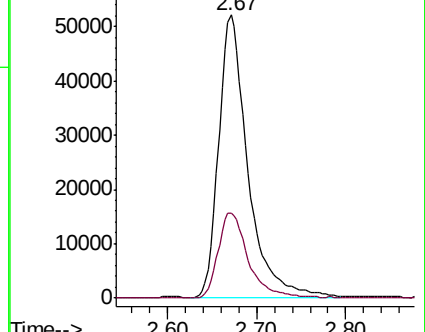
43 100

58 31.5 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036862.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU036862.D (-399) (-)



#14

Carbon disulfide

Concen: 4.348 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036871.D

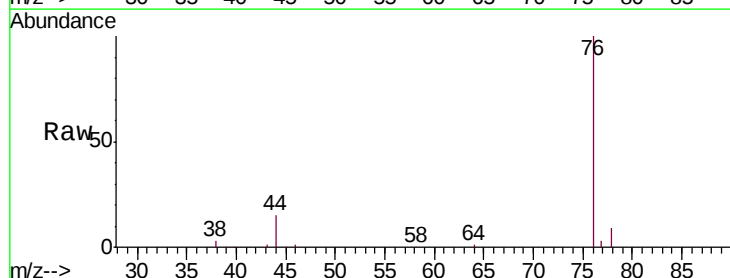
Acq: 20 Feb 2020 16:19

Tgt Ion: 76 Resp: 85962

Ion Ratio Lower Upper

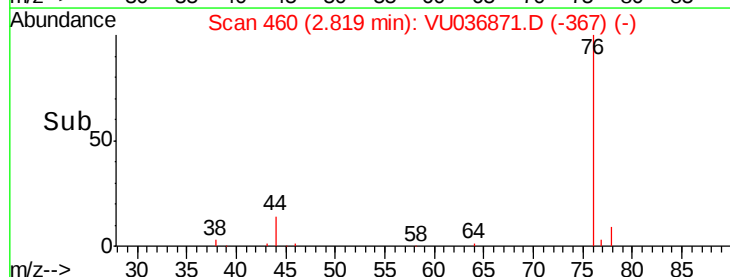
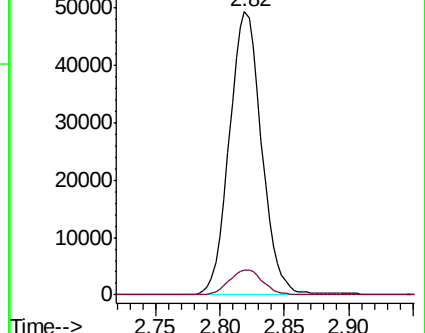
76 100

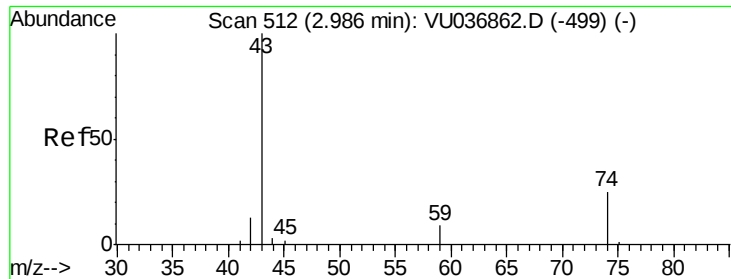
78 8.9 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036862.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036862.D (-446) (-)

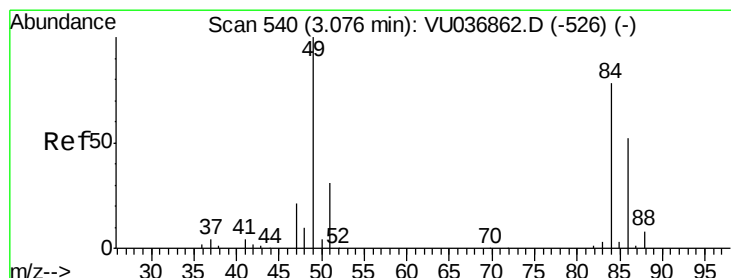
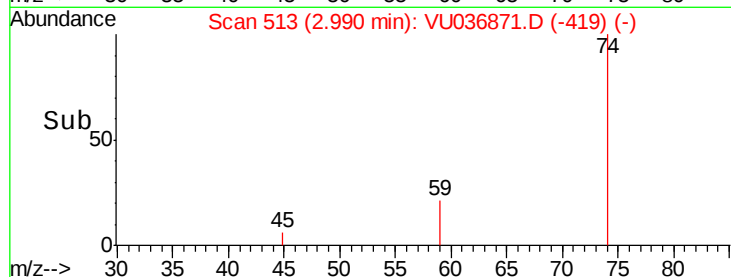
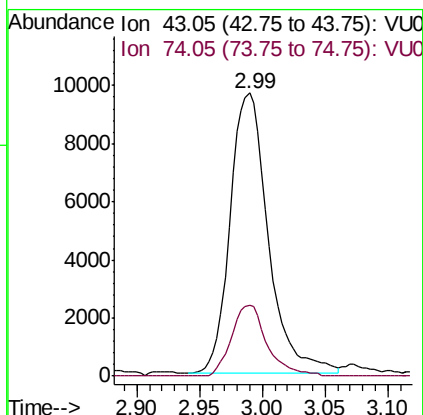
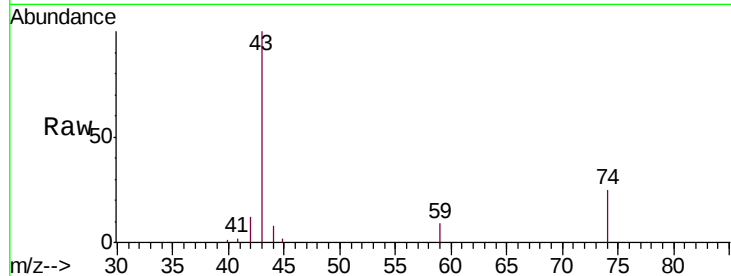




#15
Methyl Acetate
Concen: 4.925 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

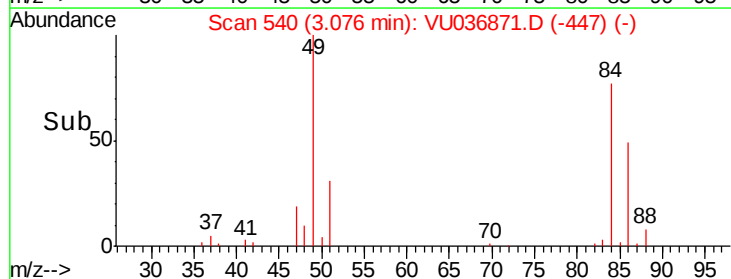
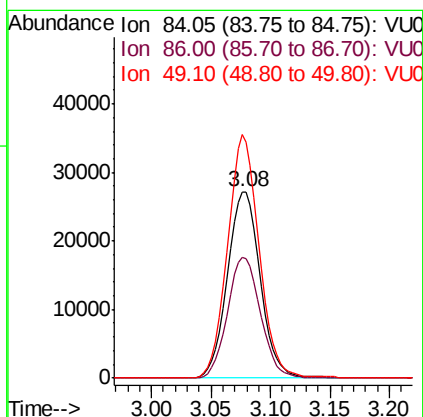
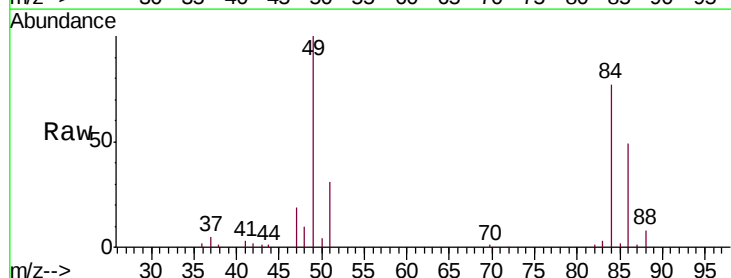
Instrument :
MSVOA_U
ClientSampled :
VSTD00527

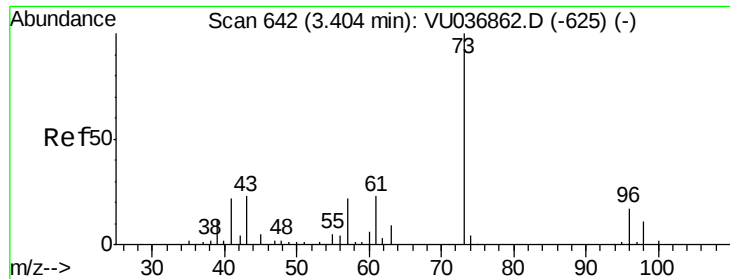
Tgt Ion: 43 Resp: 20300
Ion Ratio Lower Upper
43 100
74 23.8 19.0 28.4



#16
Methylene chloride
Concen: 3.765 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

Tgt Ion: 84 Resp: 52003
Ion Ratio Lower Upper
84 100
86 64.6 44.7 82.9
49 130.6 86.7 160.9

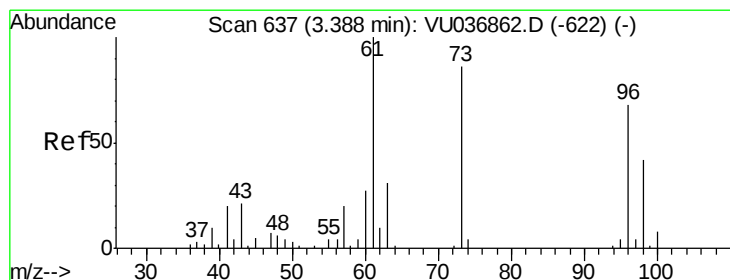
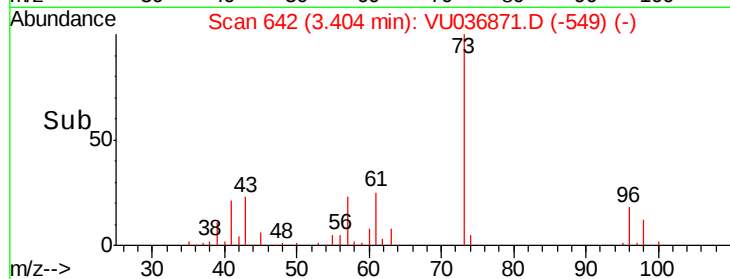
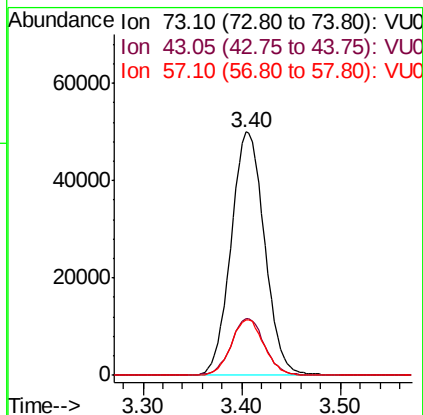
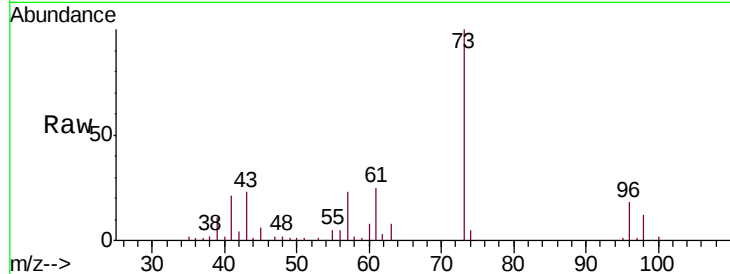




#17
Methyl tert-butyl Ether
Concen: 4.877 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

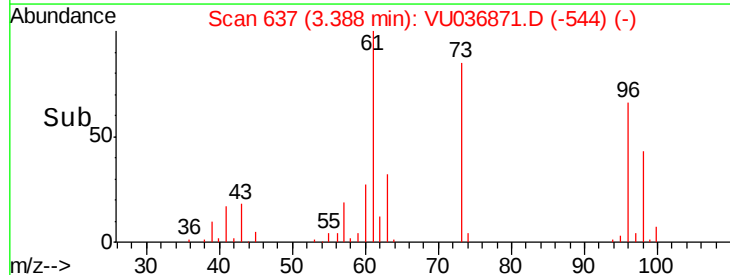
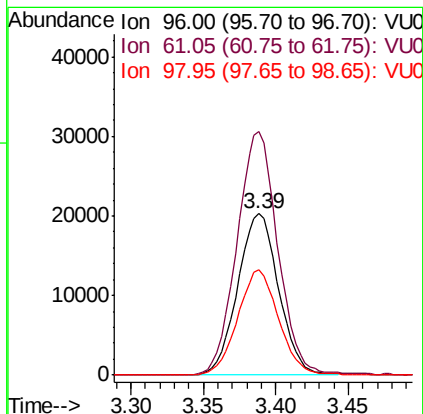
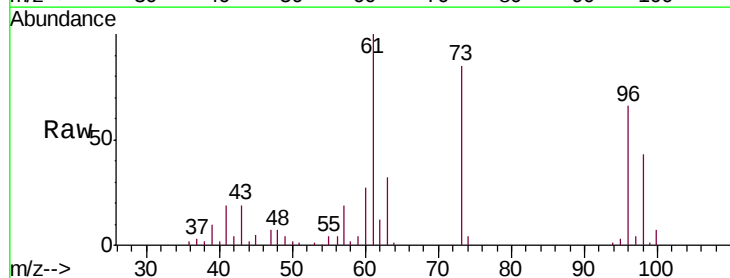
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

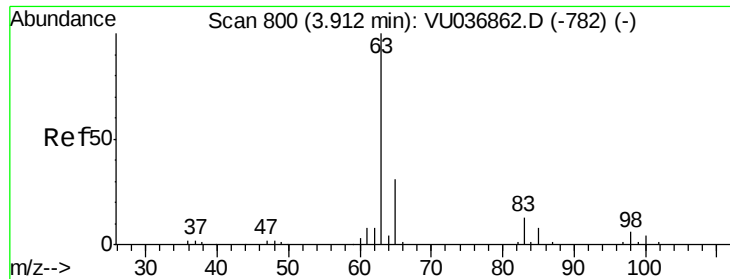
Tgt Ion: 73 Resp: 118342
Ion Ratio Lower Upper
73 100
43 23.2 18.7 28.1
57 22.5 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 4.721 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

Tgt Ion: 96 Resp: 39918
Ion Ratio Lower Upper
96 100
61 151.0 102.6 190.5
98 65.1 44.5 82.7

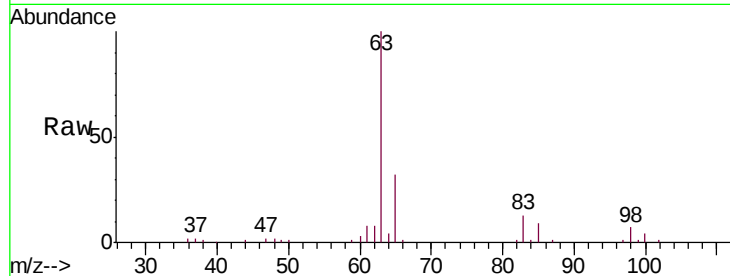




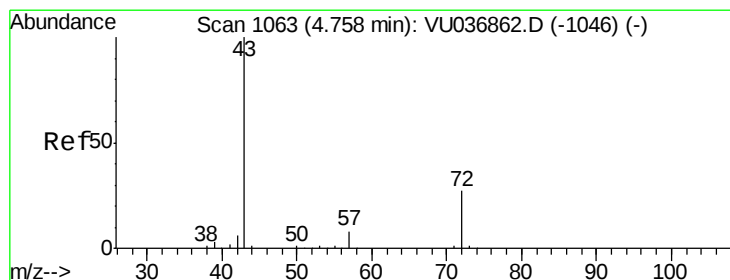
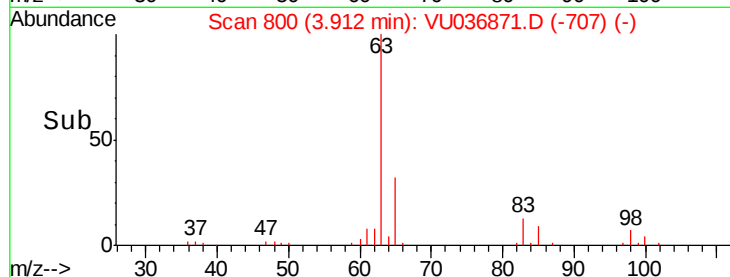
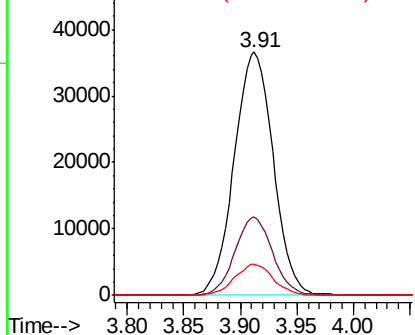
#19
 1,1-Dichloroethane
 Concen: 4.971 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion: 63 Resp: 88138
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.6 40.2
 83 13.0 8.8 16.3

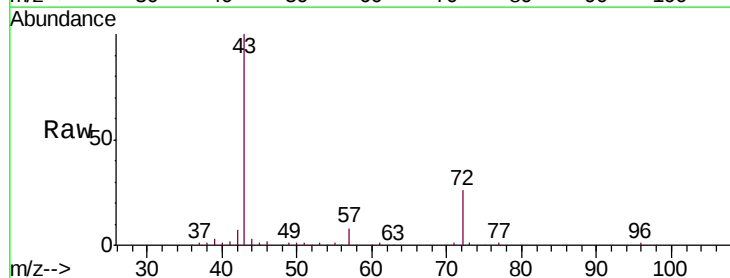


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

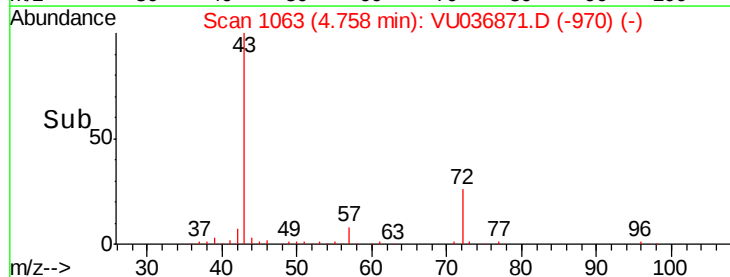
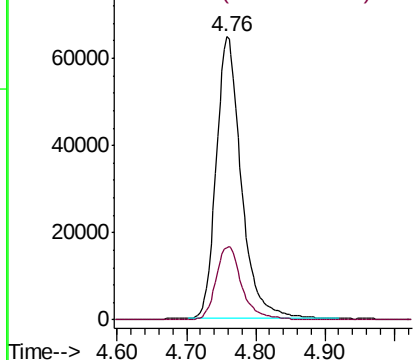


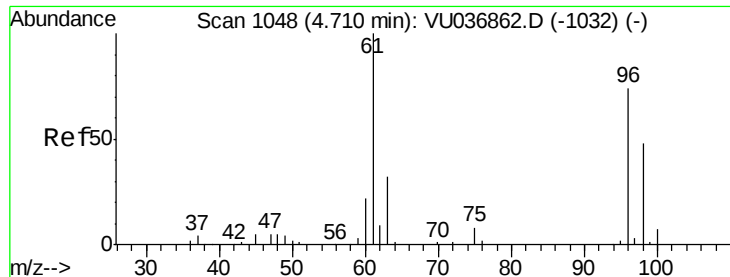
#21
 2-Butanone
 Concen: 44.965 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

Tgt Ion: 43 Resp: 162474
 Ion Ratio Lower Upper
 43 100
 72 27.1 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: 4.914 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

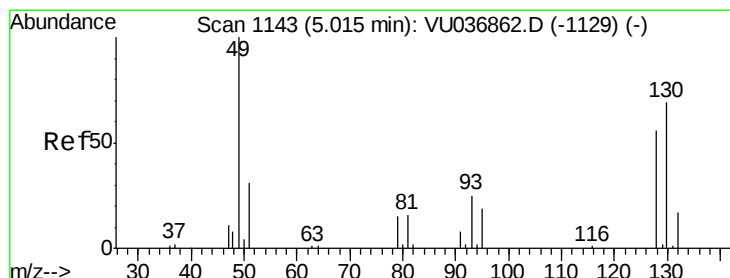
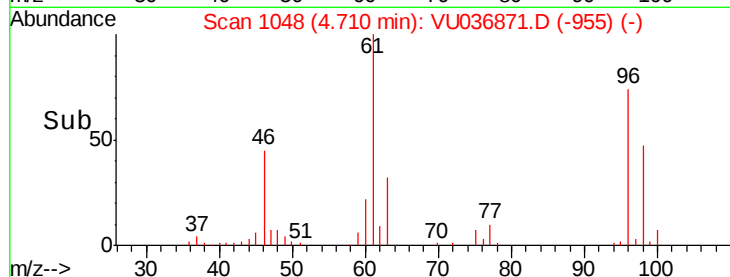
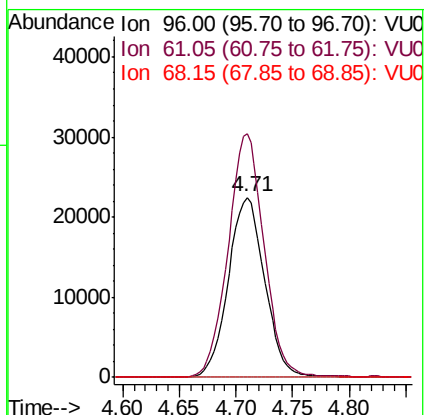
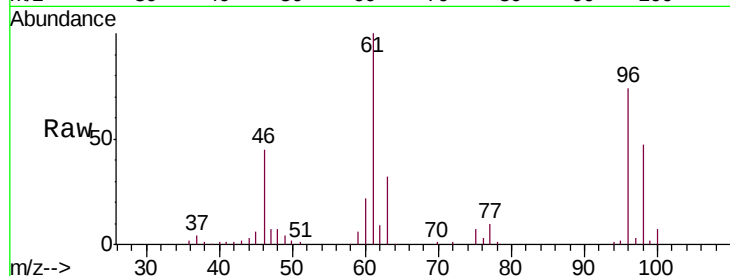
Tgt Ion: 96 Resp: 50274

Ion Ratio Lower Upper

96 100

61 135.2 91.2 169.4

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 4.743 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Tgt Ion: 128 Resp: 19294

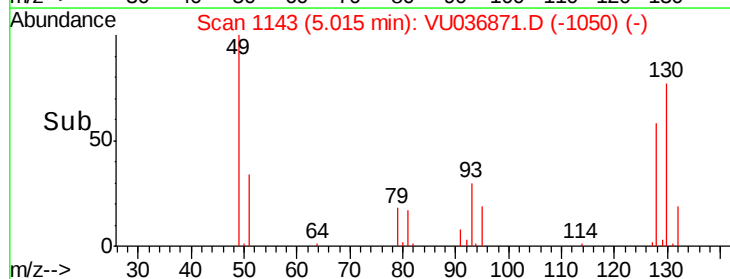
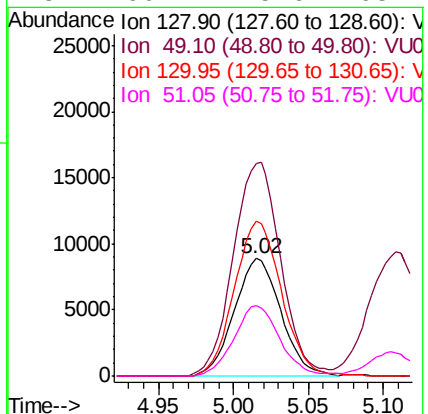
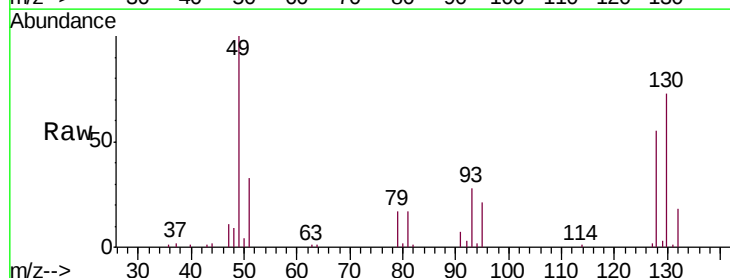
Ion Ratio Lower Upper

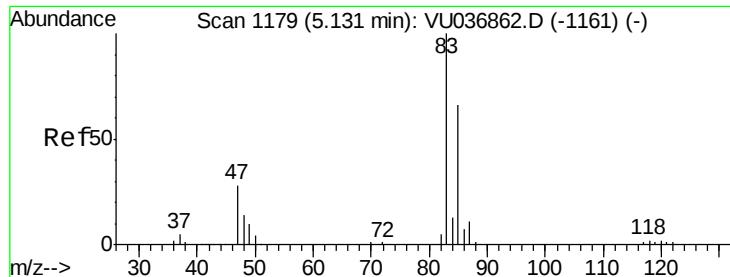
128 100

49 181.6 132.4 245.8

130 131.8 89.0 165.2

51 60.1 45.6 68.4

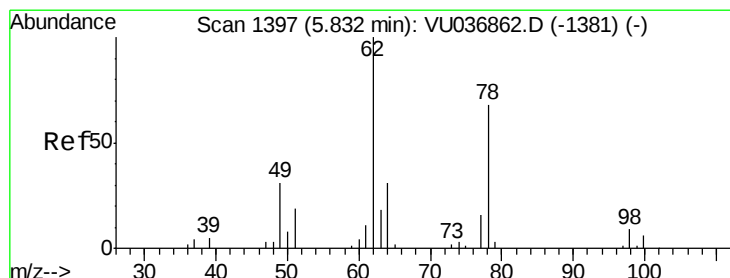
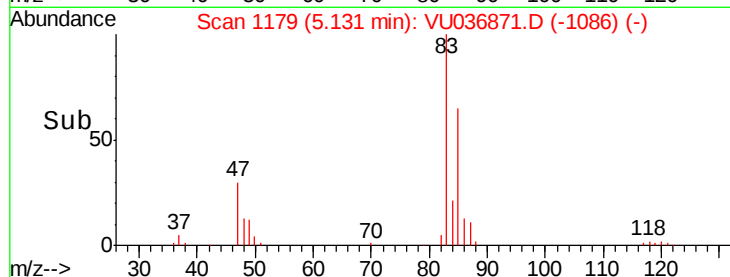
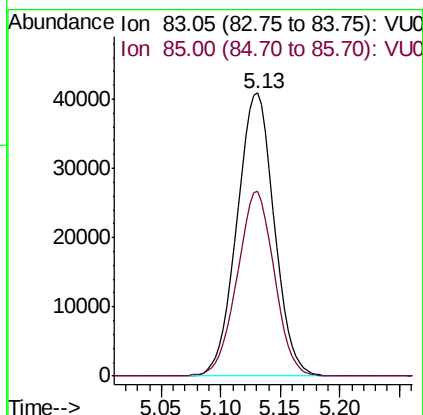
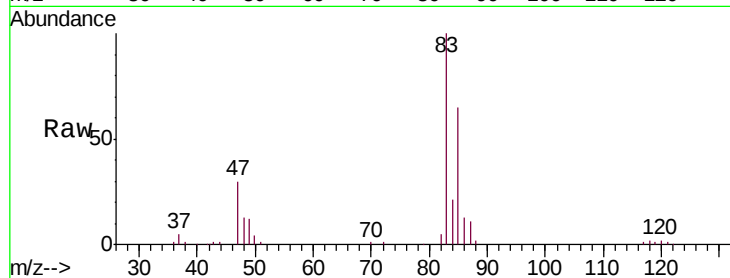




#25
Chloroform
Concen: 4.686 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

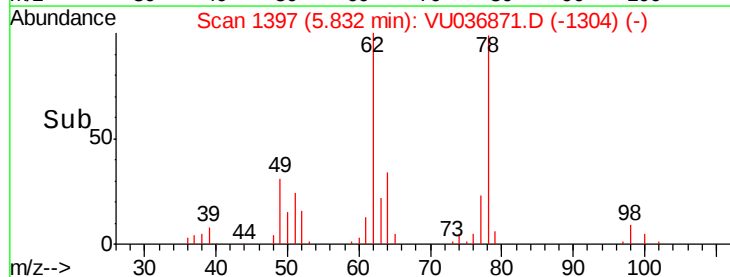
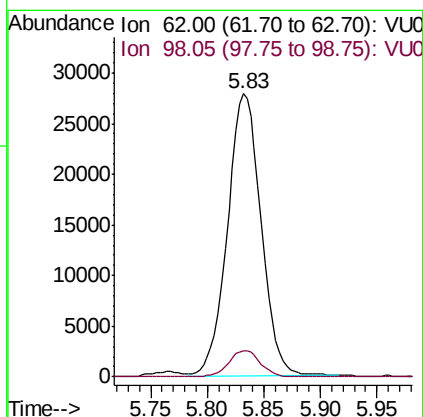
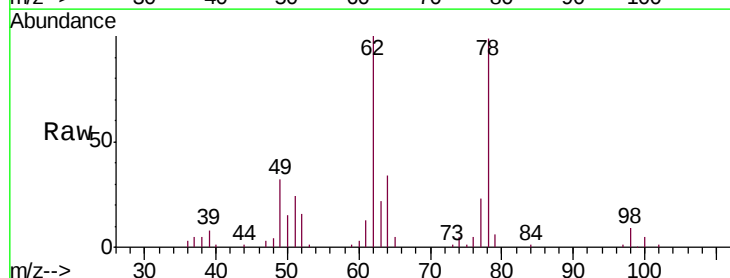
Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

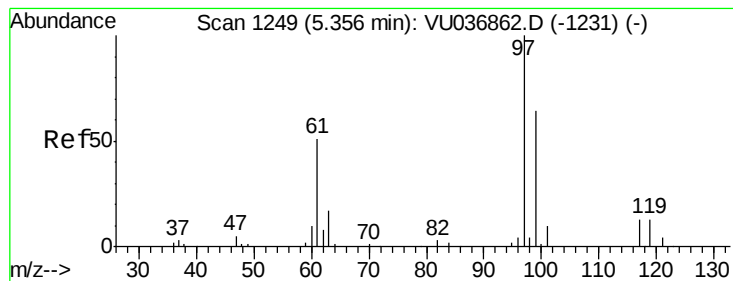
Tgt Ion: 83 Resp: 88726
Ion Ratio Lower Upper
83 100
85 65.1 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.777 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

Tgt Ion: 62 Resp: 57657
Ion Ratio Lower Upper
62 100
98 9.2 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 4.808 ug/L

RT: 5.36 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

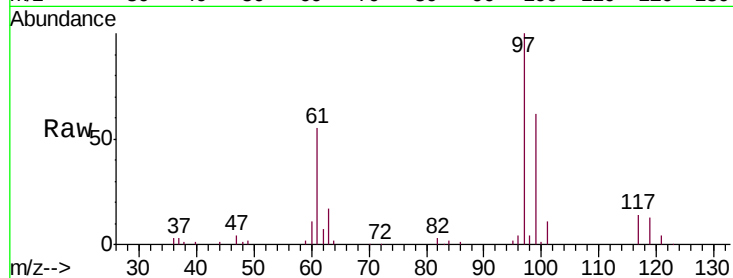
Tgt Ion: 97 Resp: 66502

Ion Ratio Lower Upper

97 100

99 63.2 51.0 76.4

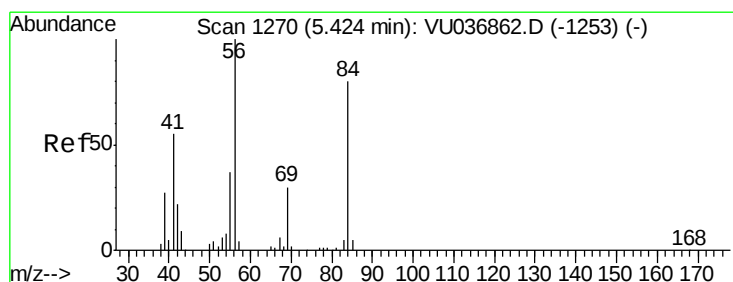
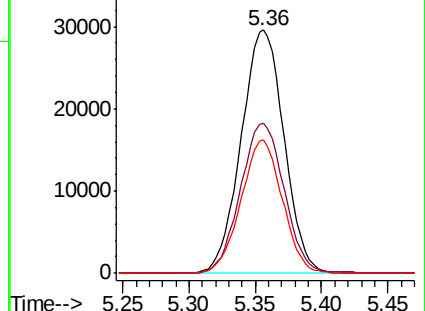
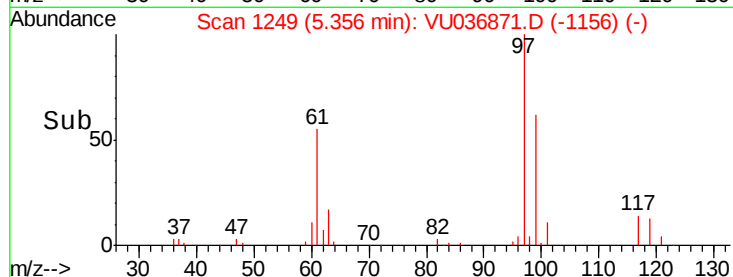
61 53.0 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VU036871.D (-1156) (-)

Ion 99.05 (98.75 to 99.75): VU036871.D (-1156) (-)

Ion 61.05 (60.75 to 61.75): VU036871.D (-1156) (-)



#30

Cyclohexane

Concen: 4.951 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

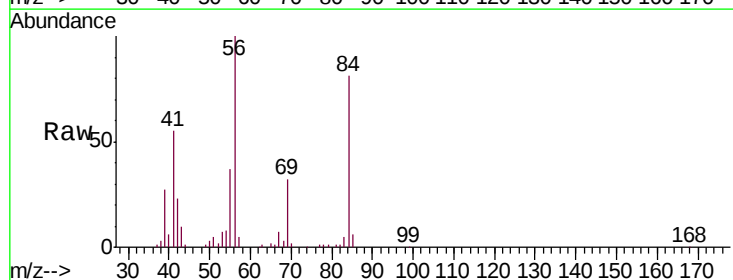
Tgt Ion: 56 Resp: 72739

Ion Ratio Lower Upper

56 100

69 31.1 24.6 37.0

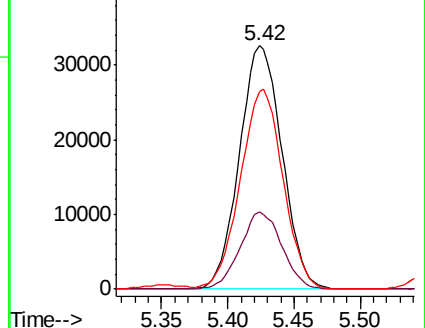
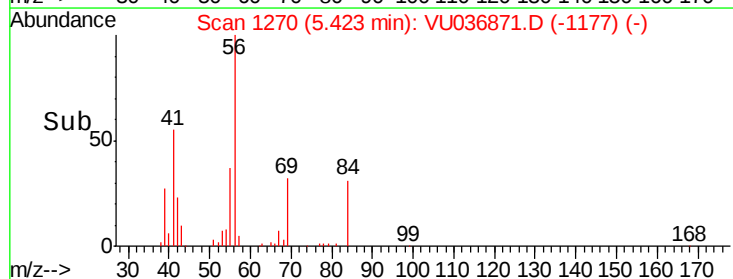
84 82.5 70.0 105.0

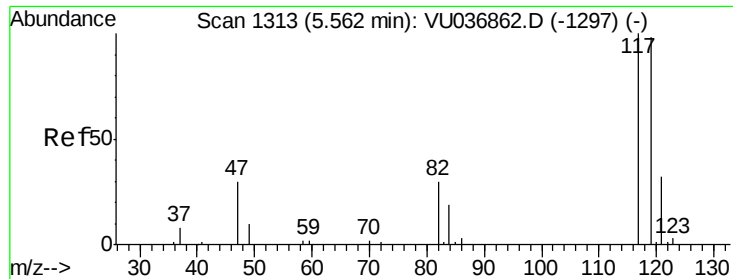


Abundance Ion 56.10 (55.80 to 56.80): VU036871.D (-1177) (-)

Ion 69.15 (68.85 to 69.85): VU036871.D (-1177) (-)

Ion 84.15 (83.85 to 84.85): VU036871.D (-1177) (-)





#31

Carbon tetrachloride

Concen: 4.431 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

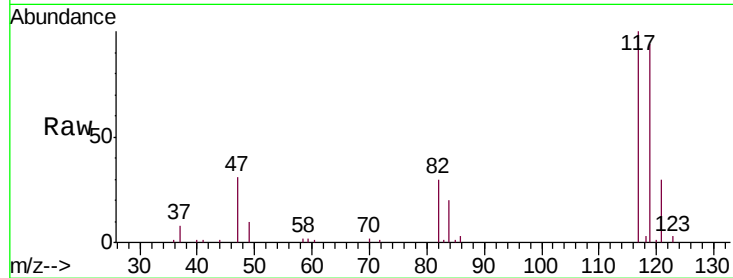
VSTD00527

Tgt Ion:117 Resp: 49438

Ion Ratio Lower Upper

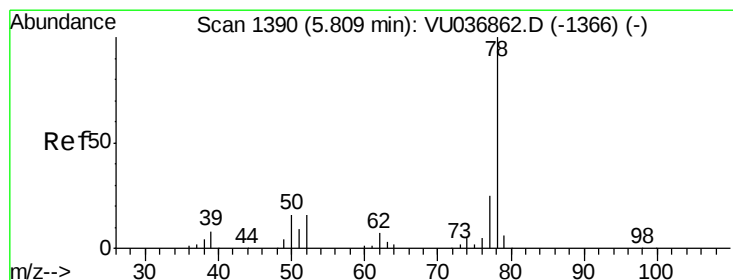
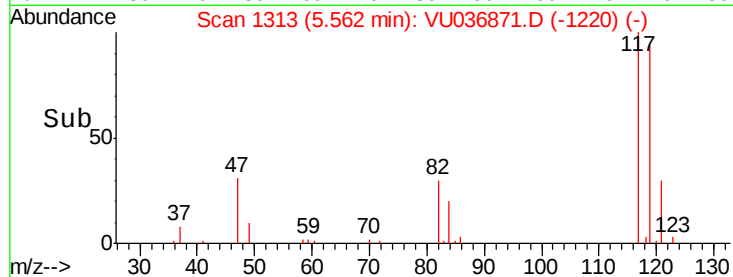
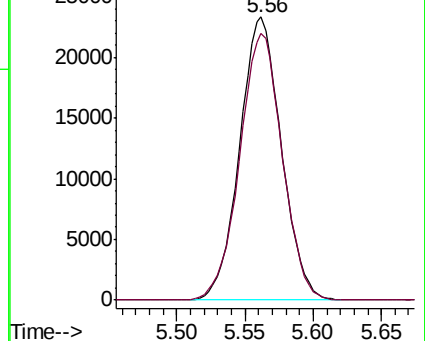
117 100

119 96.0 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: 4.935 ug/L

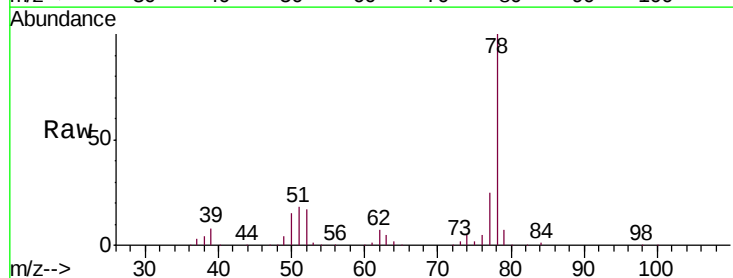
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

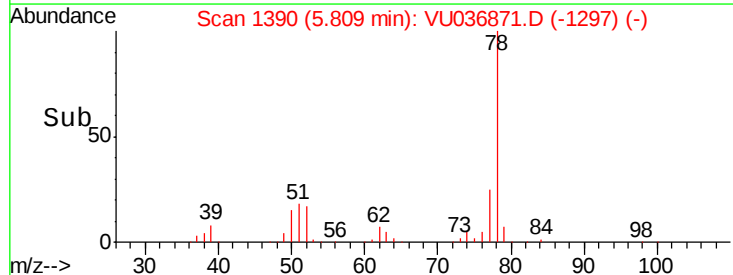
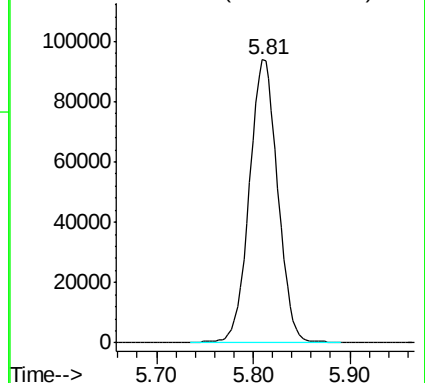
Lab File: VU036871.D

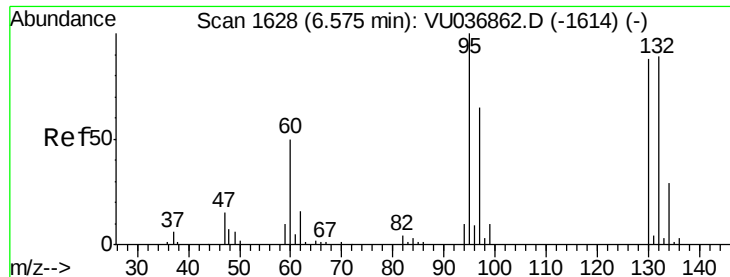
Acq: 20 Feb 2020 16:19

Tgt Ion: 78 Resp: 191693



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.762 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tgt Ion: 95 Resp: 47111

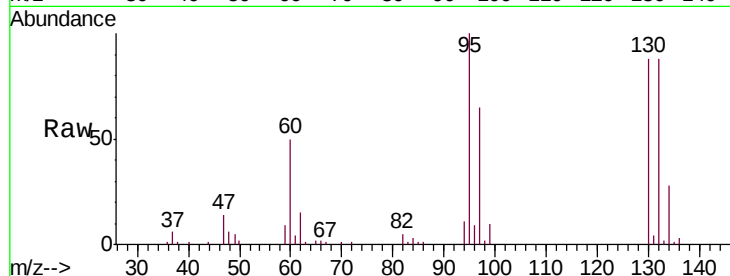
Ion Ratio Lower Upper

95 100

97 64.7 45.6 84.8

132 88.4 62.8 116.6

130 88.5 63.8 118.4

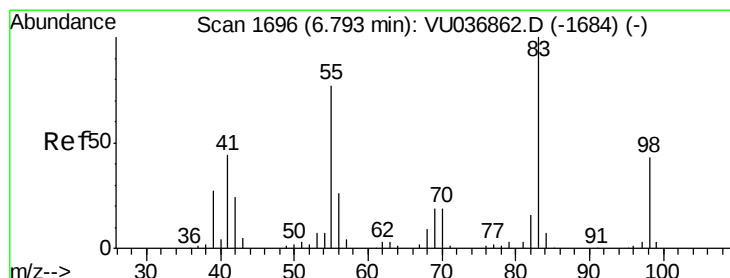
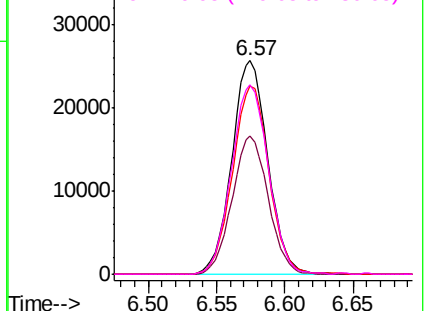
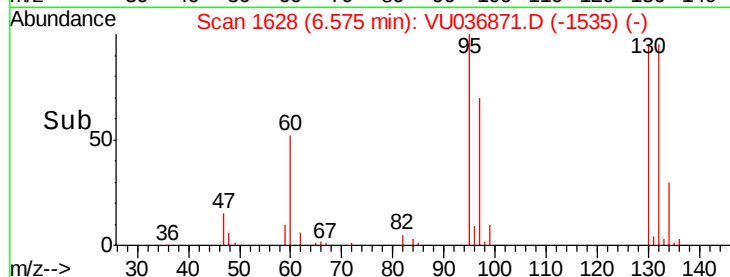


Abundance Ion 95.00 (94.70 to 95.70): VU036871.D (-1535) (-)

Ion 96.95 (96.65 to 97.65): VU036871.D (-1535) (-)

Ion 131.95 (131.65 to 132.65): VU036871.D (-1535) (-)

Ion 129.95 (129.65 to 130.65): VU036871.D (-1535) (-)



#35

Methylcyclohexane

Concen: 4.819 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

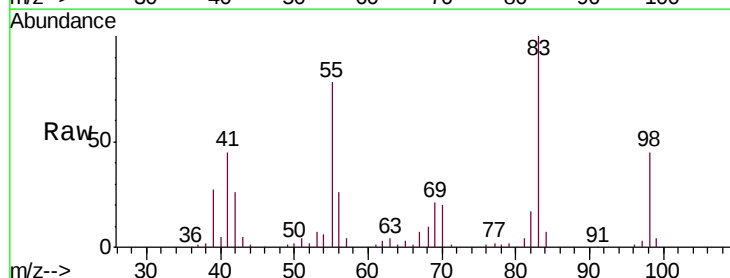
Tgt Ion: 83 Resp: 75650

Ion Ratio Lower Upper

83 100

55 76.9 61.0 91.4

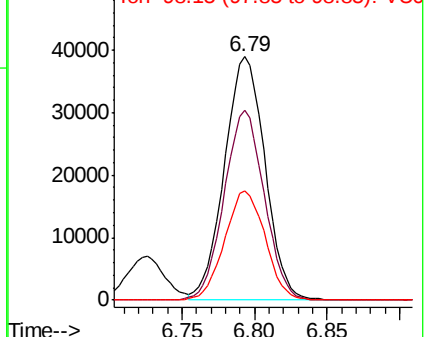
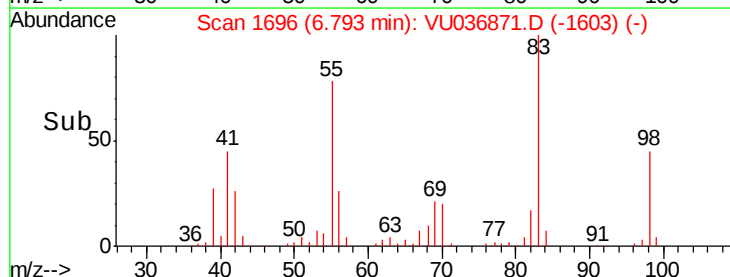
98 44.6 34.2 51.4

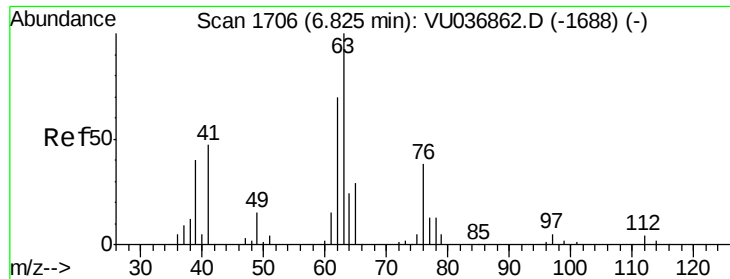


Abundance Ion 83.15 (82.85 to 83.85): VU036871.D (-1603) (-)

Ion 55.10 (54.80 to 55.80): VU036871.D (-1603) (-)

Ion 98.15 (97.85 to 98.85): VU036871.D (-1603) (-)

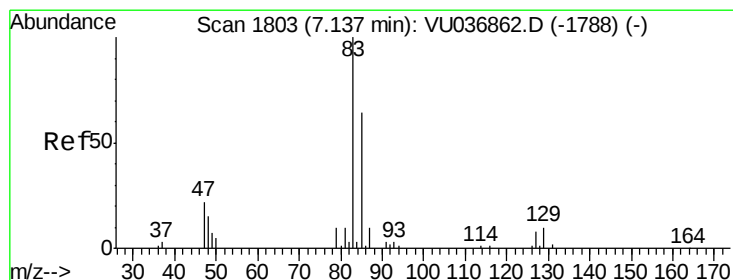
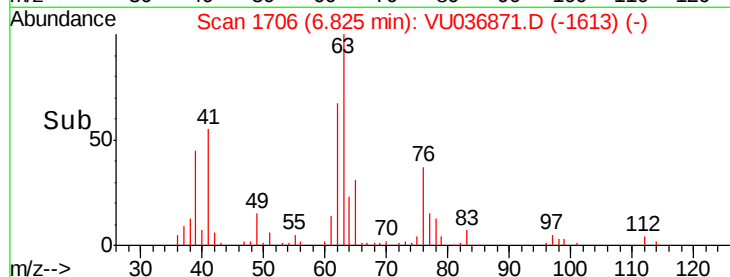
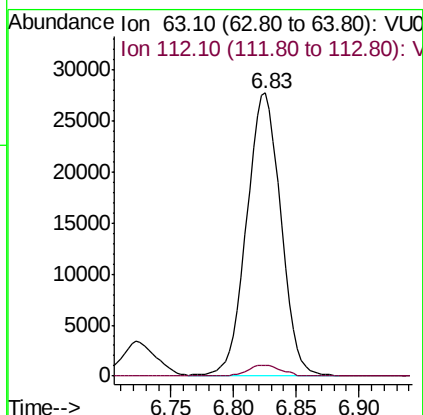
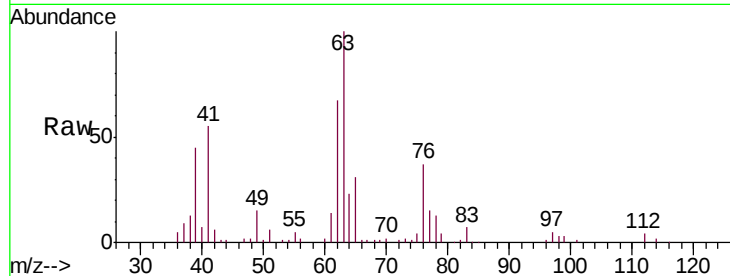




#37
 1,2-Dichloropropane
 Concen: 4.989 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

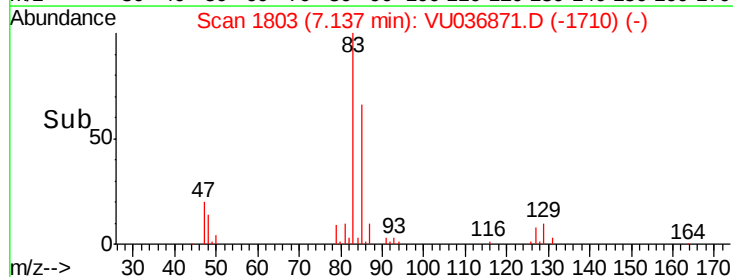
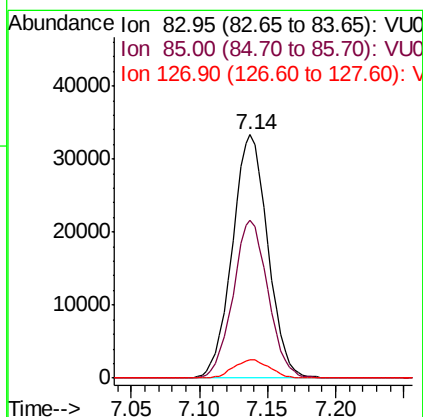
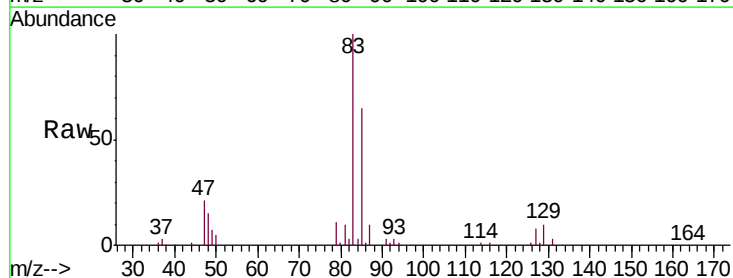
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

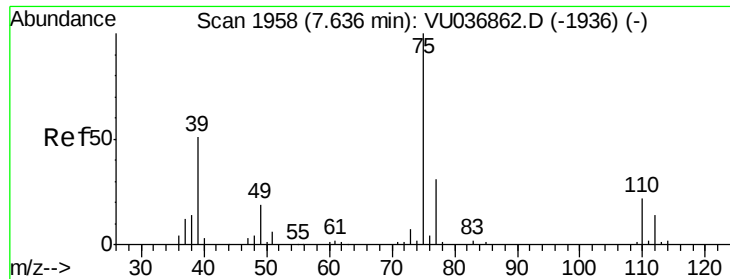
Tgt Ion: 63 Resp: 52910
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.759 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

Tgt Ion: 83 Resp: 60237
 Ion Ratio Lower Upper
 83 100
 85 65.0 43.0 80.0
 127 7.7 6.3 9.5

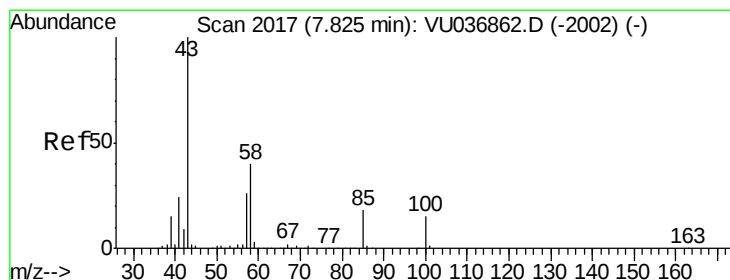
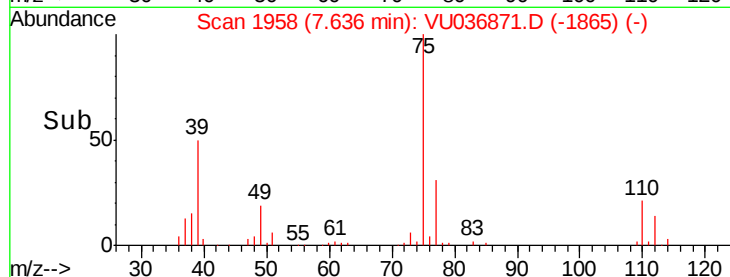
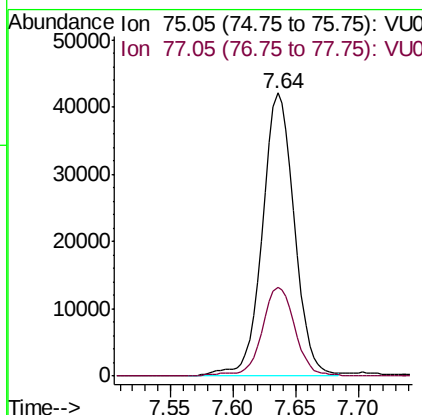
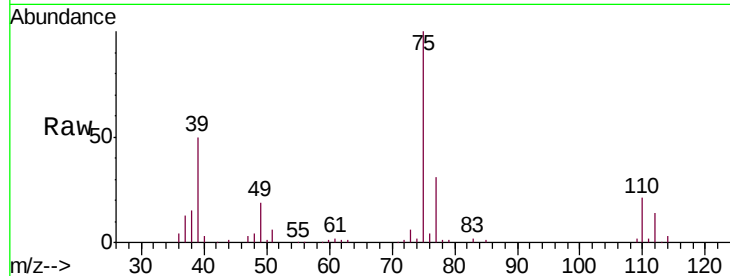




#39
 cis-1,3-Dichloropropene
 Concen: 4.880 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

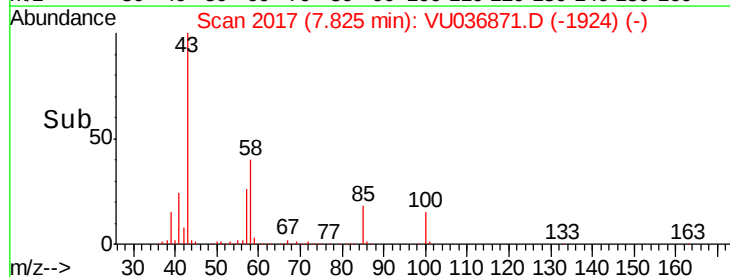
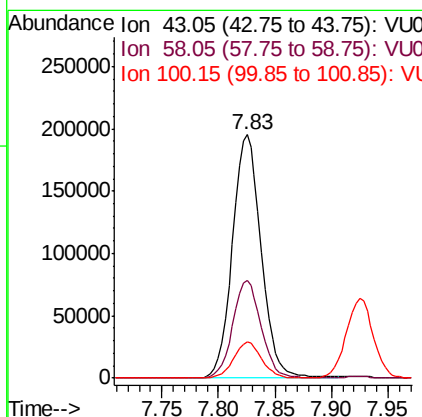
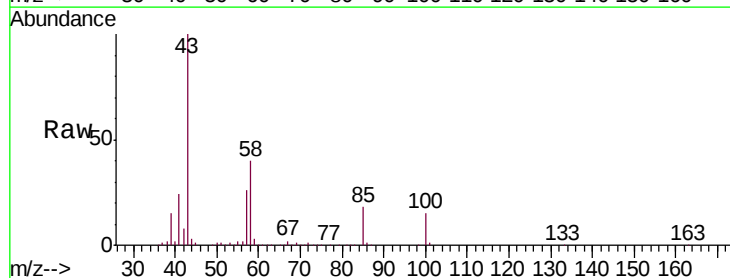
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

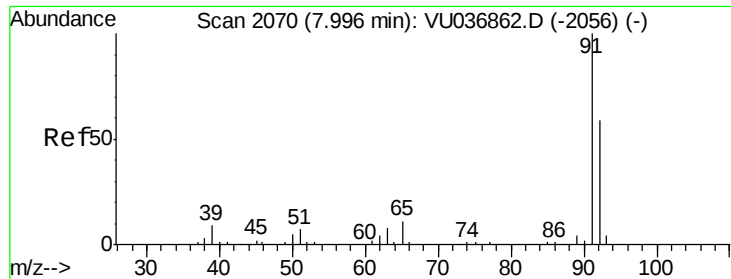
Tgt Ion: 75 Resp: 74888
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 50.456 ug/L
 RT: 7.83 min Scan# 17
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

Tgt Ion: 43 Resp: 345317
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.0 48.0
 100 14.4 11.8 17.8





#42

Toluene

Concen: 4.917 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

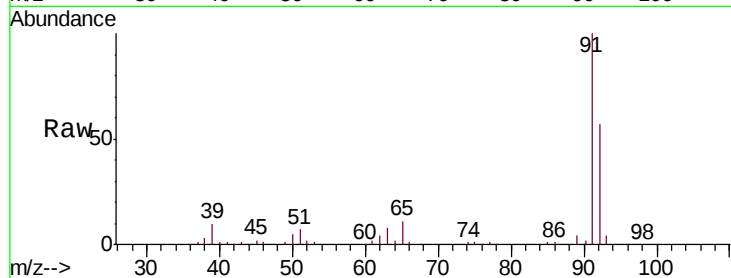
VSTD00527

Tgt Ion: 91 Resp: 205121

Ion Ratio Lower Upper

91 100

92 57.5 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036862.D (-2056) (-)

Ion 92.15 (91.85 to 92.85): VU036862.D (-2056) (-)

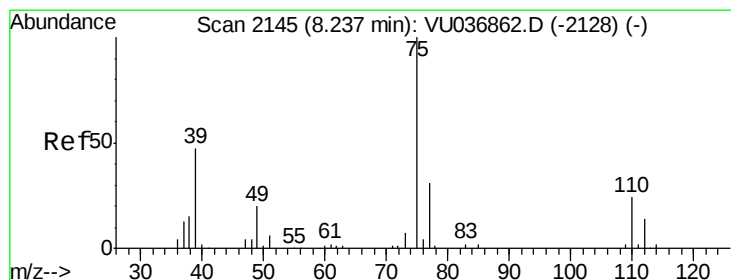
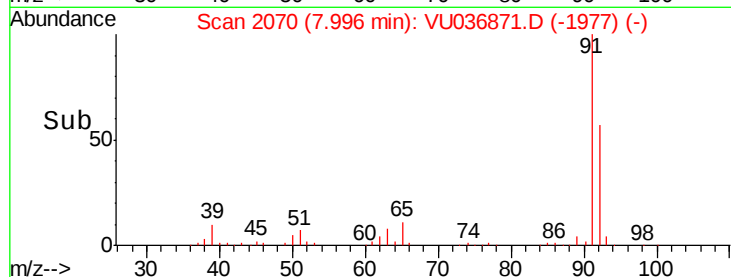
8.00

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.849 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036871.D

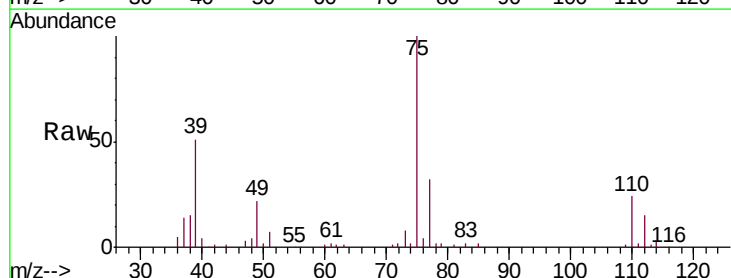
Acq: 20 Feb 2020 16:19

Tgt Ion: 75 Resp: 58159

Ion Ratio Lower Upper

75 100

77 32.3 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036862.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU036862.D (-2128) (-)

8.24

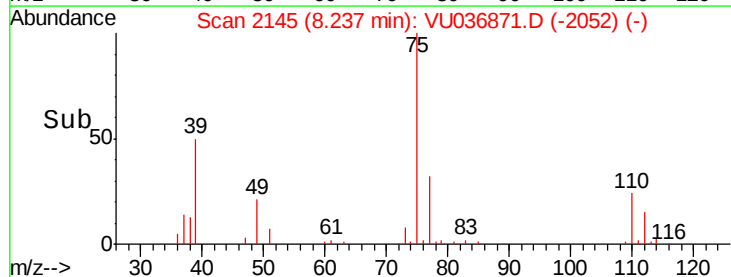
30000

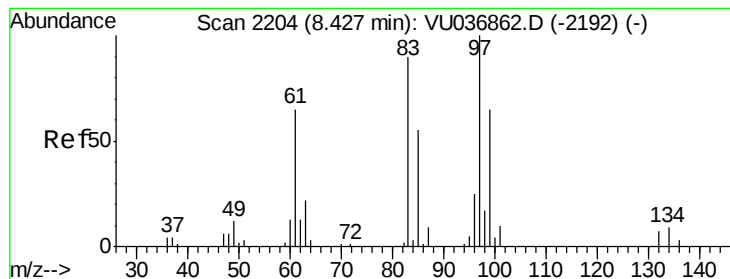
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.866 ug/L

RT: 8.43 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

Tgt Ion: 97 Resp: 35906

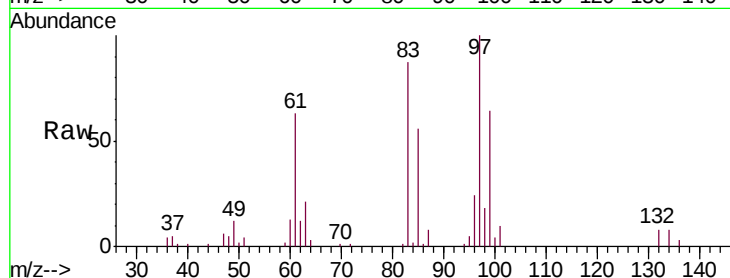
Ion Ratio Lower Upper

97 100

99 63.6 44.1 81.9

83 87.2 63.5 117.9

85 55.8 41.2 76.4



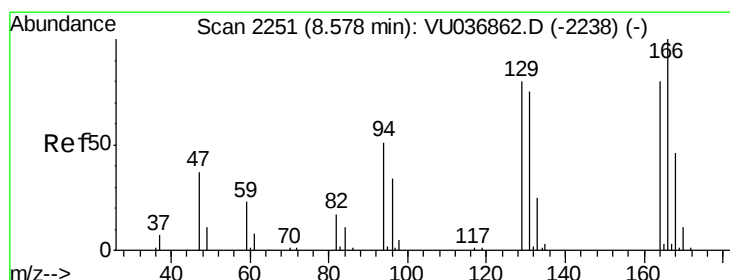
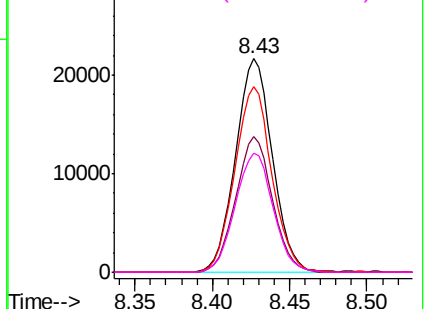
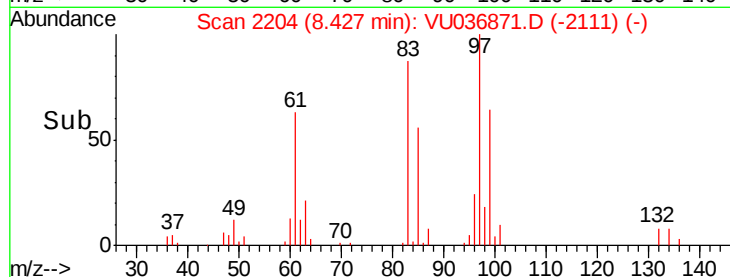
Abundance

Ion 96.95 (96.65 to 97.65): VU036871.D (-2111) (-)

Ion 99.05 (98.75 to 99.75): VU036871.D (-2111) (-)

Ion 82.95 (82.65 to 83.65): VU036871.D (-2111) (-)

Ion 85.00 (84.70 to 85.70): VU036871.D (-2111) (-)



#47

Tetrachloroethene

Concen: 4.612 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Tgt Ion: 164 Resp: 31035

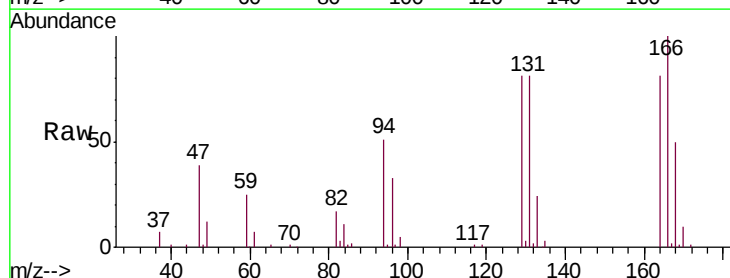
Ion Ratio Lower Upper

164 100

129 100.6 68.0 126.4

131 99.7 69.4 128.8

166 123.8 86.6 160.8



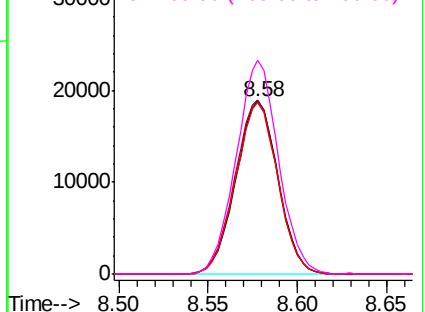
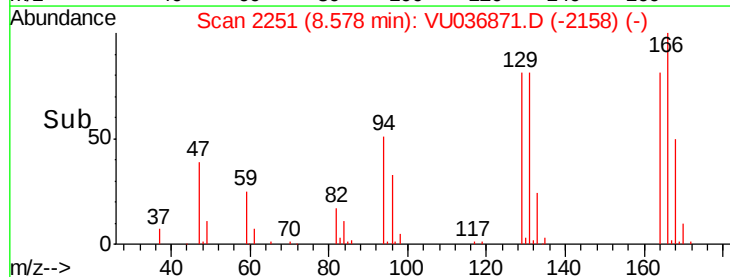
Abundance

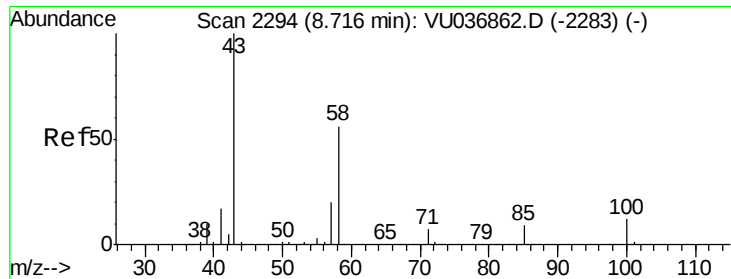
Ion 163.90 (163.60 to 164.60): VU036871.D (-2158) (-)

Ion 128.95 (128.65 to 129.65): VU036871.D (-2158) (-)

Ion 130.95 (130.65 to 131.65): VU036871.D (-2158) (-)

Ion 165.90 (165.60 to 166.60): VU036871.D (-2158) (-)

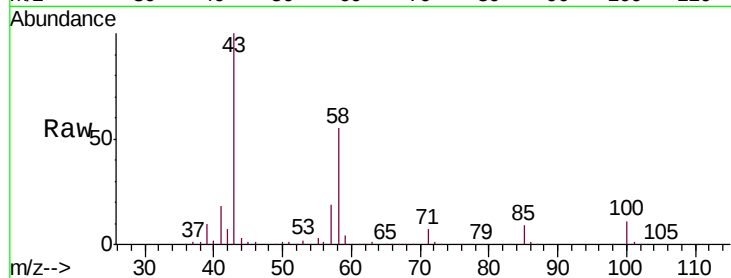




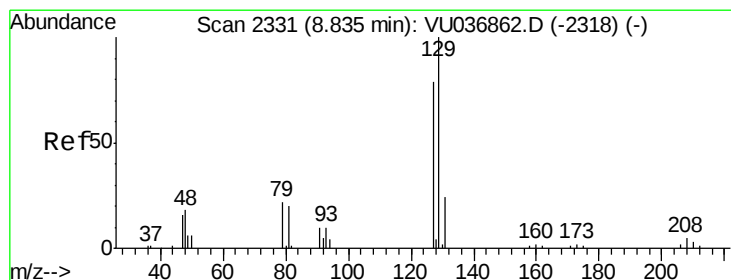
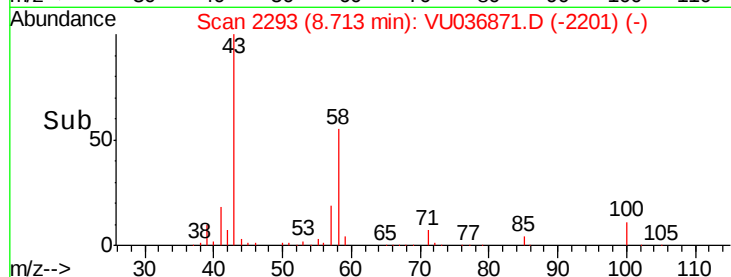
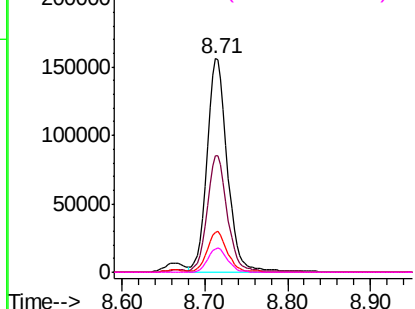
#48
2-Hexanone
Concen: 46.361 ug/L
RT: 8.71 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion: 43 Resp: 271528
Ion Ratio Lower Upper
43 100
58 54.7 43.6 65.4
57 18.8 15.0 22.4
100 11.1 9.0 13.6

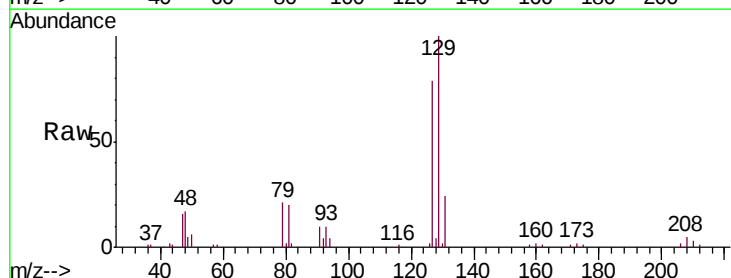


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

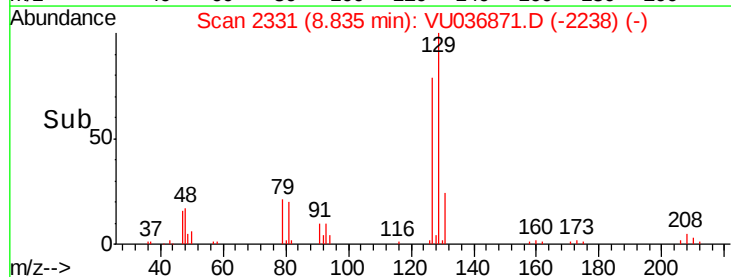
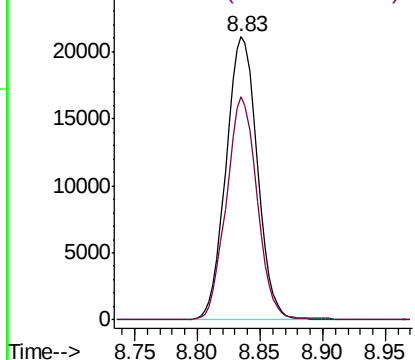


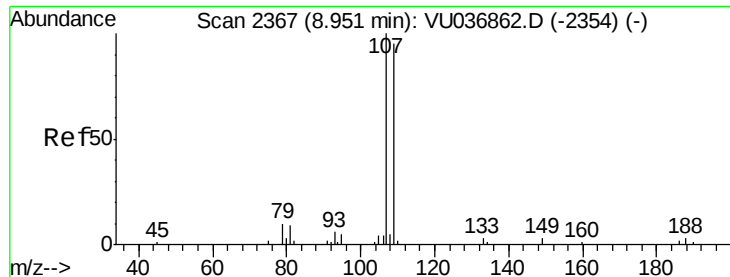
#49
Dibromochloromethane
Concen: 4.797 ug/L
RT: 8.83 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

Tgt Ion: 129 Resp: 36604
Ion Ratio Lower Upper
129 100
127 78.7 56.7 105.3



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

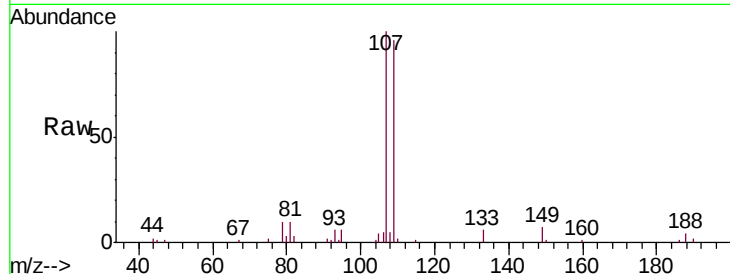




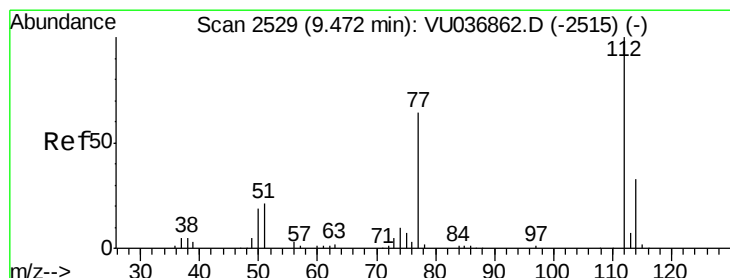
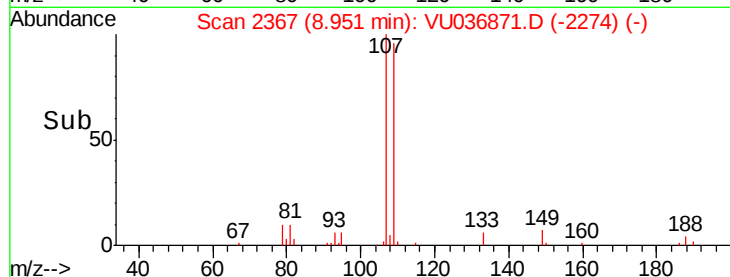
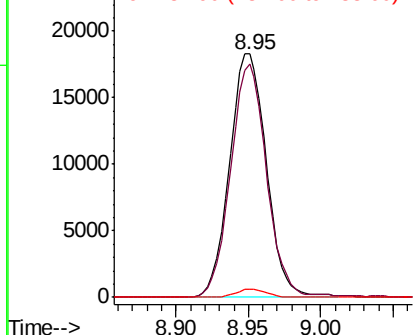
#50
1,2-Dibromoethane
Concen: 4.837 ug/L
RT: 8.95 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion:107 Resp: 32235
Ion Ratio Lower Upper
107 100
109 95.7 66.4 123.2
188 3.5 2.4 3.6

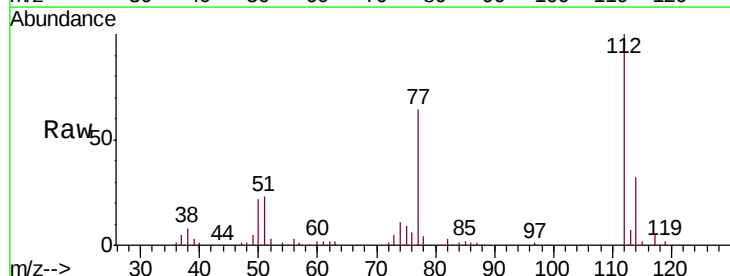


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

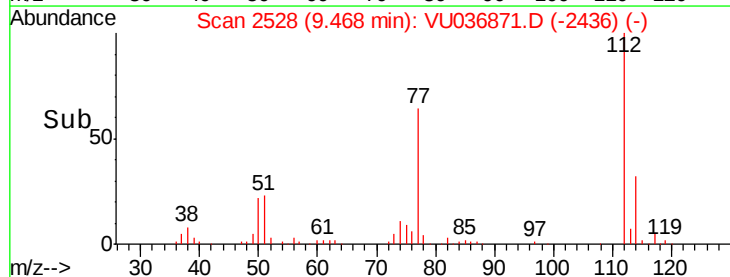
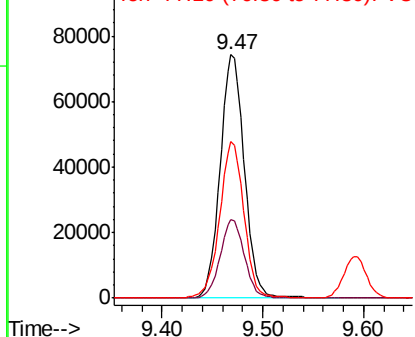


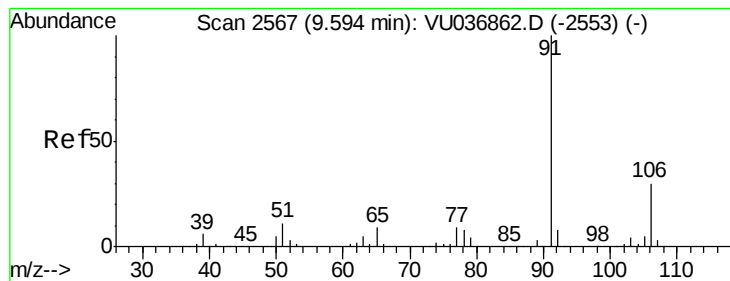
#51
Chlorobenzene
Concen: 4.829 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

Tgt Ion:112 Resp: 124634
Ion Ratio Lower Upper
112 100
114 32.3 22.9 42.5
77 64.1 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: 4.850 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

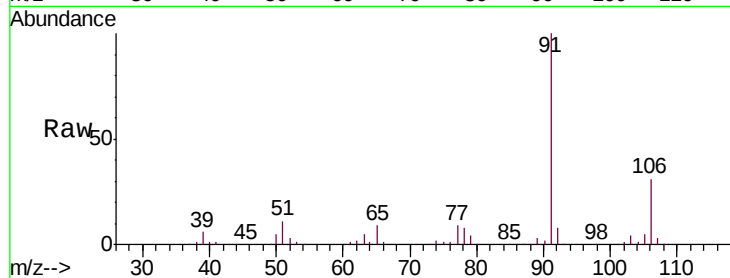
VSTD00527

Tgt Ion: 91 Resp: 225953

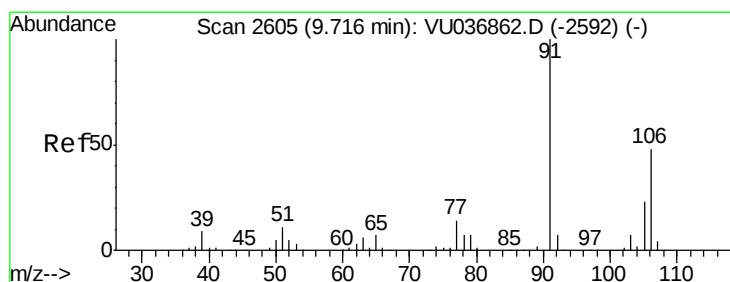
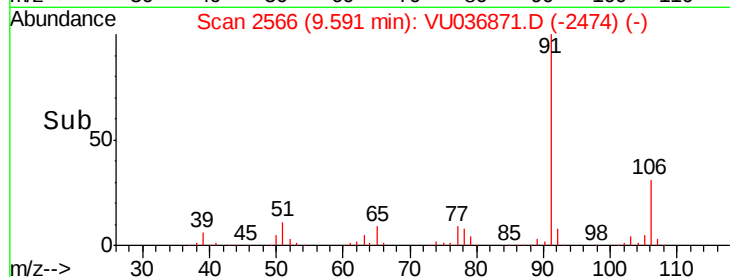
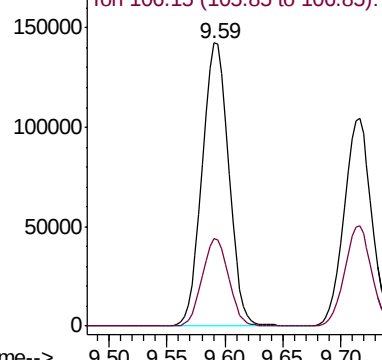
Ion Ratio Lower Upper

91 100

106 31.0 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036871.D (-2474) (-)



#53

m,p-Xylene

Concen: 4.837 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036871.D

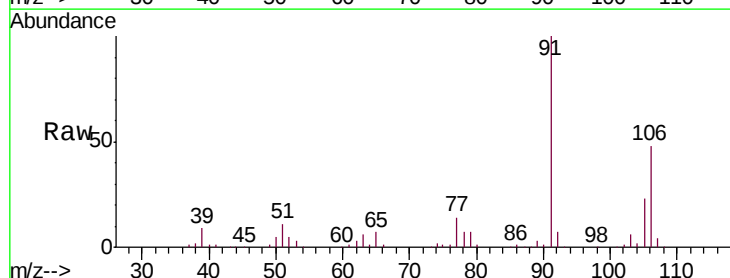
Acq: 20 Feb 2020 16:19

Tgt Ion: 106 Resp: 82946

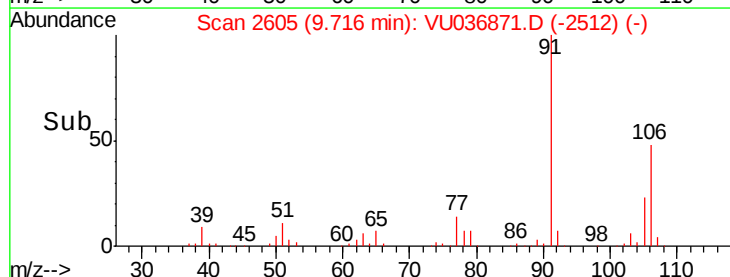
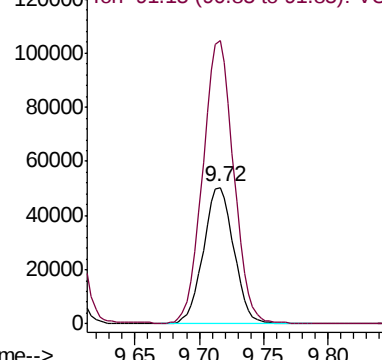
Ion Ratio Lower Upper

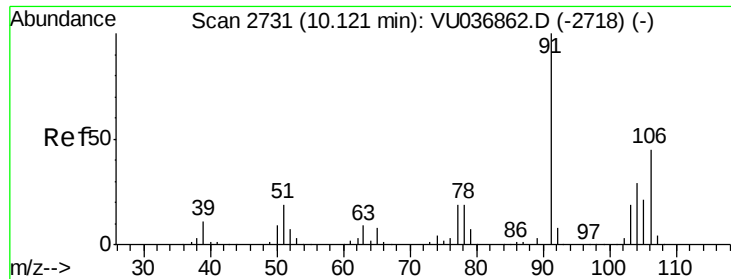
106 100

91 207.1 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036871.D (-2512) (-)

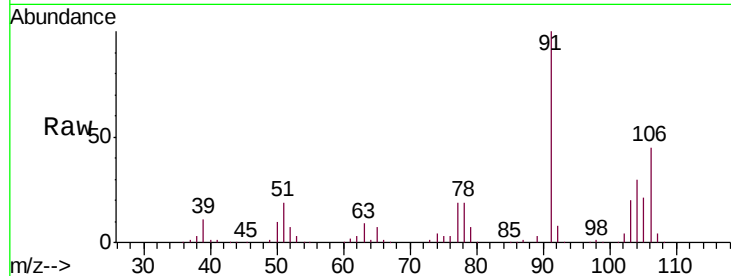




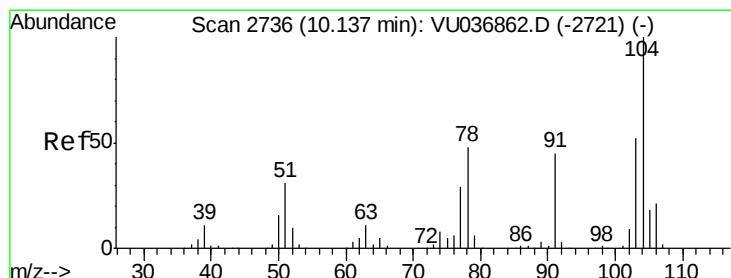
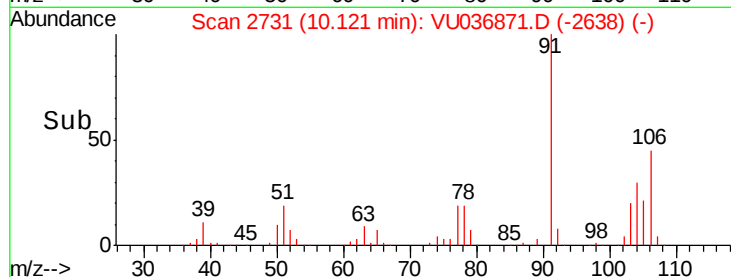
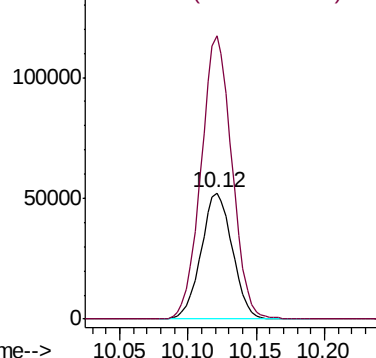
#54
o-Xylene
Concen: 4.935 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00527

Tgt Ion:106 Resp: 83104
Ion Ratio Lower Upper
106 100
91 224.0 151.1 280.5

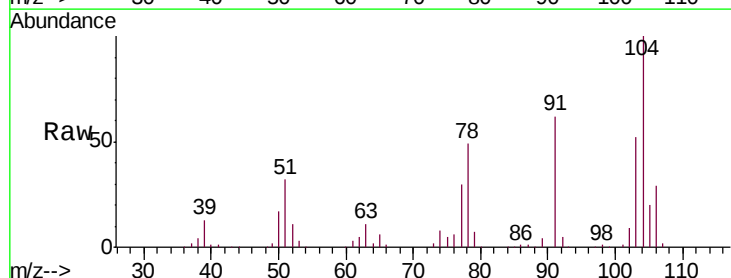


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

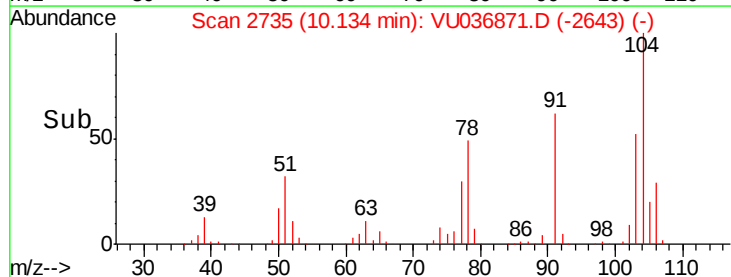
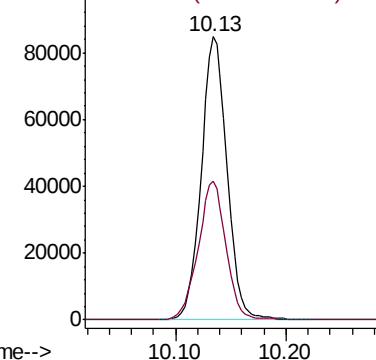


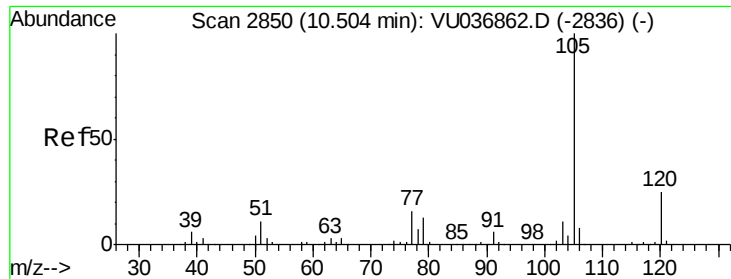
#55
Styrene
Concen: 4.837 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU036871.D
Acq: 20 Feb 2020 16:19

Tgt Ion:104 Resp: 137307
Ion Ratio Lower Upper
104 100
78 49.1 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: 4.944 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

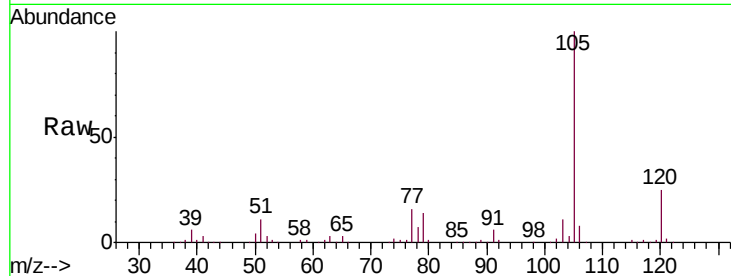
Tgt Ion: 105 Resp: 222808

Ion Ratio Lower Upper

105 100

120 25.2 20.5 30.7

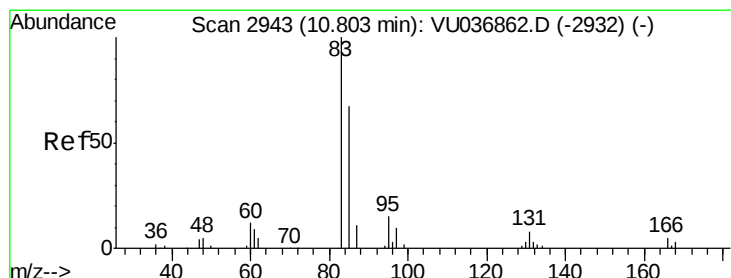
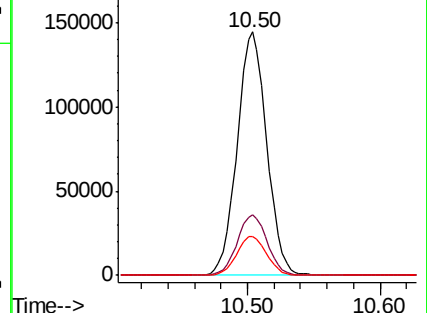
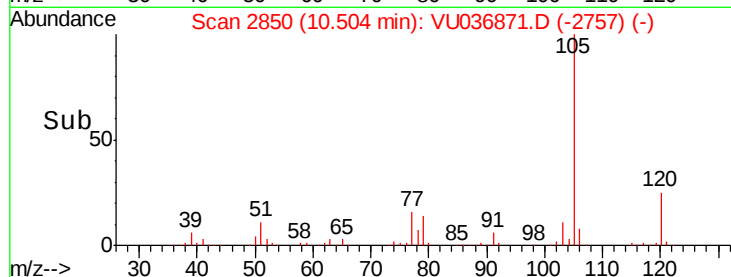
77 16.3 13.0 19.6



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: 4.789 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

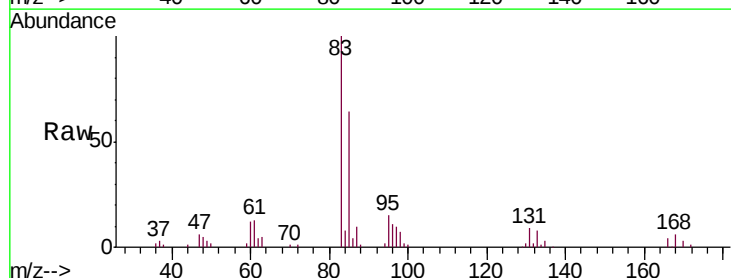
Tgt Ion: 83 Resp: 46255

Ion Ratio Lower Upper

83 100

85 63.9 45.6 84.6

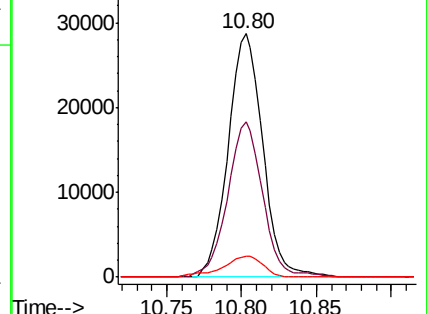
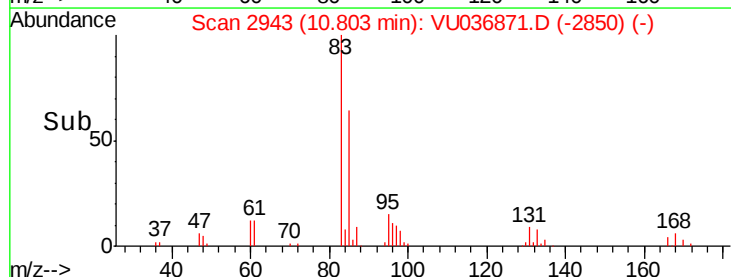
131 8.7 6.8 10.2

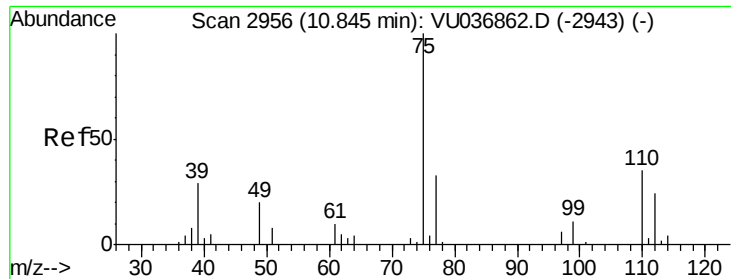


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V

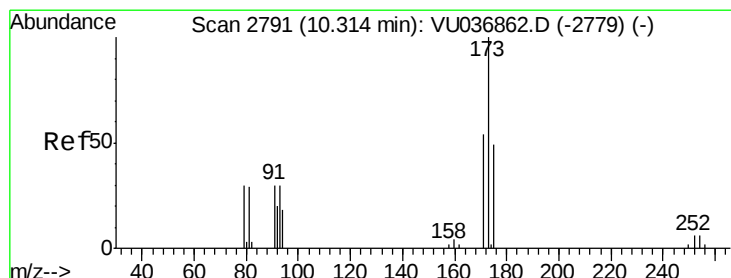
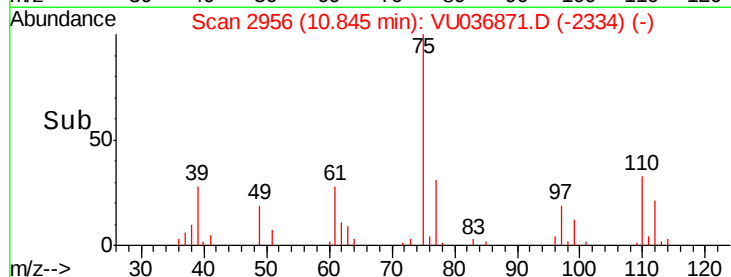
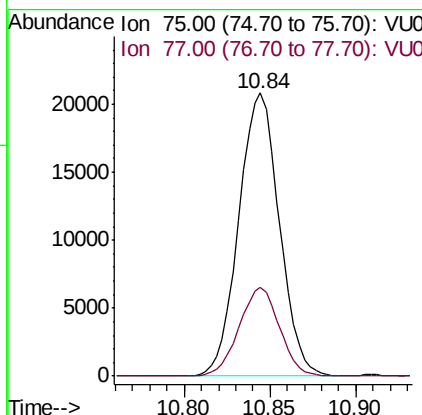
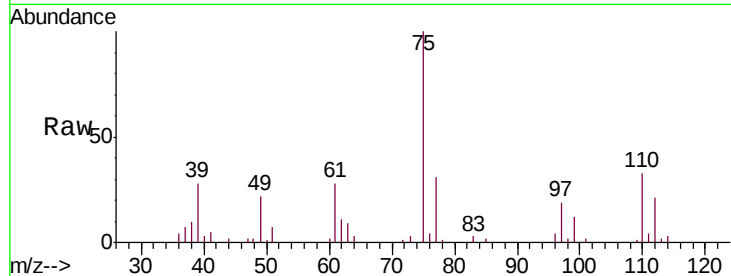




#59
 1,2,3-Trichloropropane
 Concen: 4.860 ug/L
 RT: 10.84 min Scan# 2956
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

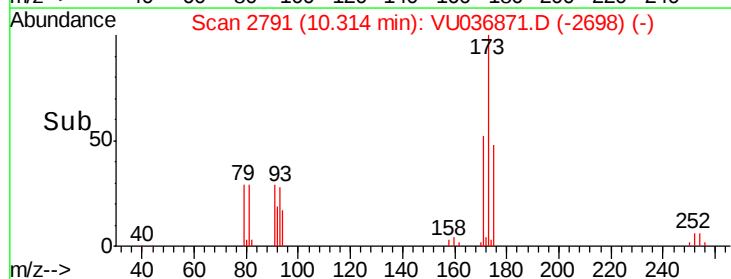
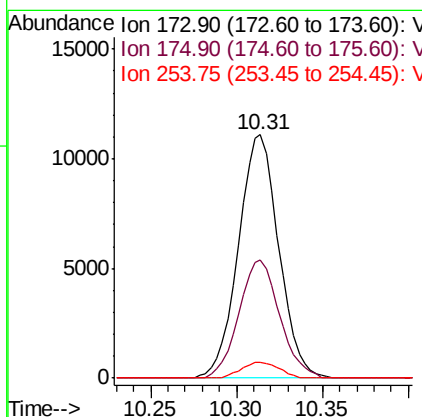
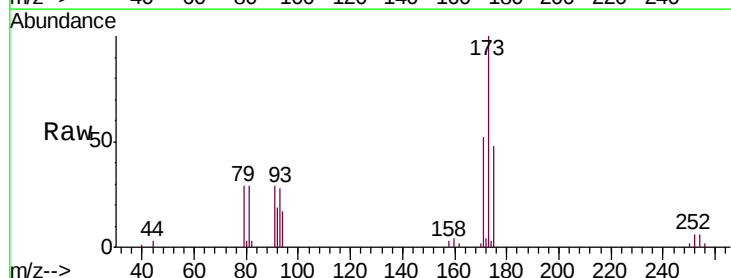
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

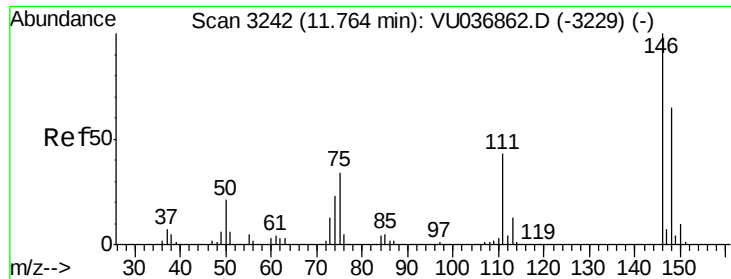
Tgt Ion: 75 Resp: 34033
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.6 38.4



#61
 Bromoform
 Concen: 4.660 ug/L
 RT: 10.31 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

Tgt Ion: 173 Resp: 18062
 Ion Ratio Lower Upper
 173 100
 175 49.0 39.9 59.9
 254 6.1 4.6 6.8





#62

1,3-Dichlorobenzene

Concen: 4.792 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

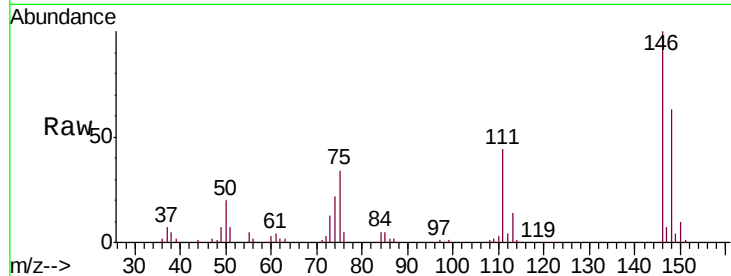
Tgt Ion:146 Resp: 92882

Ion Ratio Lower Upper

146 100

111 44.0 30.0 55.8

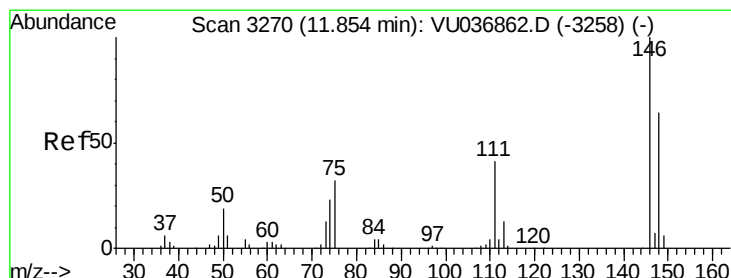
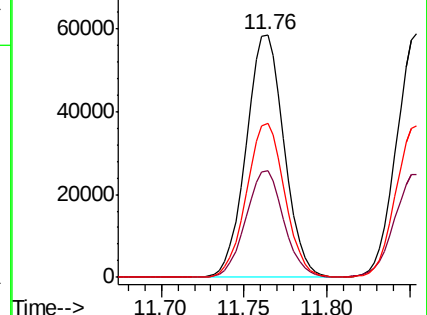
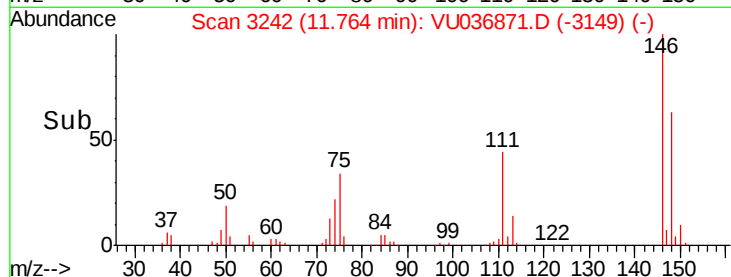
148 63.3 44.5 82.7



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: 4.787 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

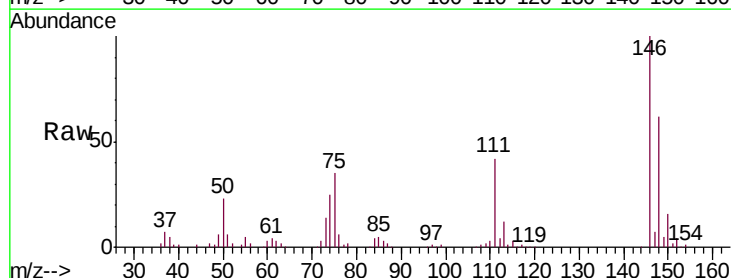
Tgt Ion:146 Resp: 91986

Ion Ratio Lower Upper

146 100

111 42.5 29.2 54.2

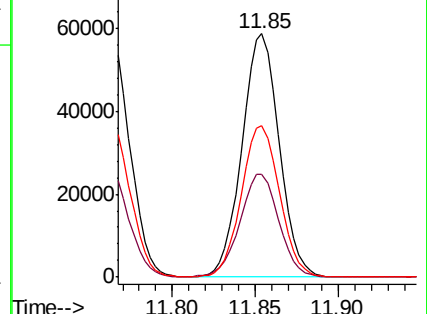
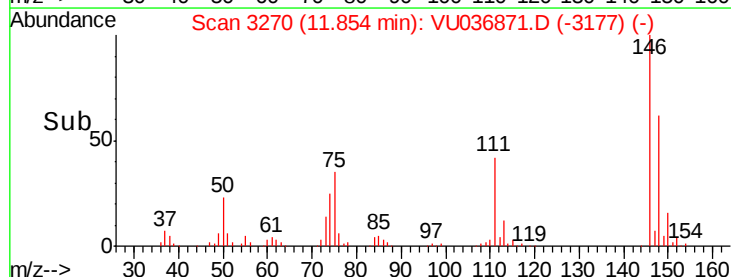
148 62.0 44.3 82.3

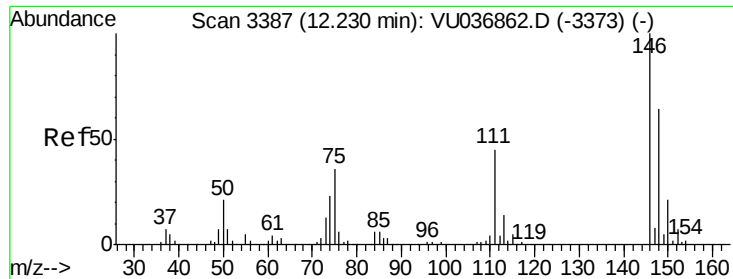


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.845 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

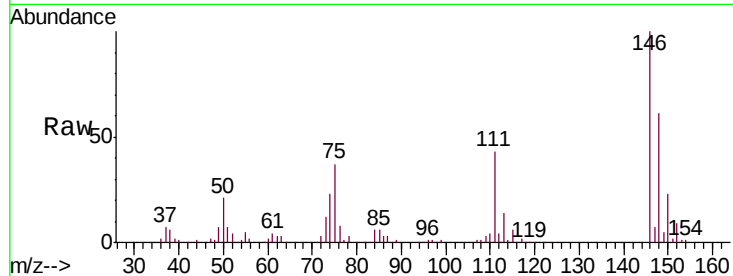
Tgt Ion:146 Resp: 90535

Ion Ratio Lower Upper

146 100

111 42.8 35.9 53.9

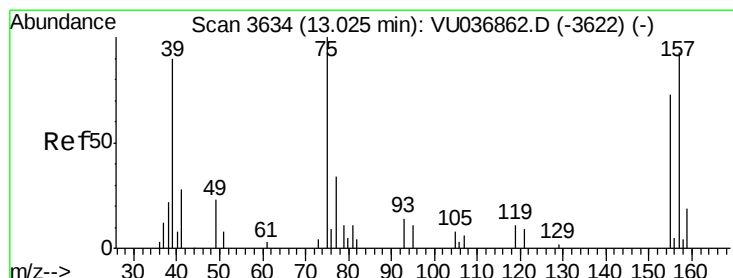
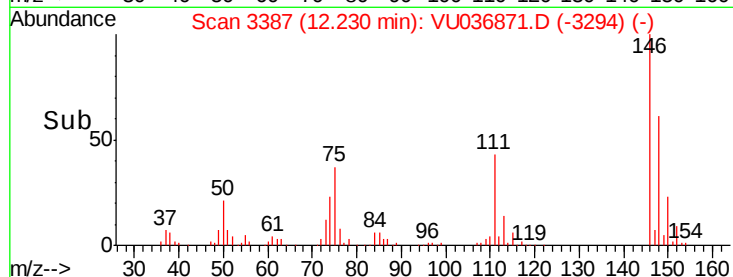
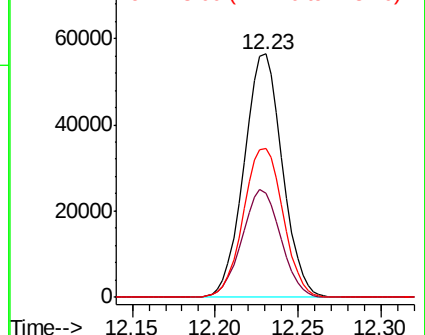
148 61.3 50.4 75.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.761 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

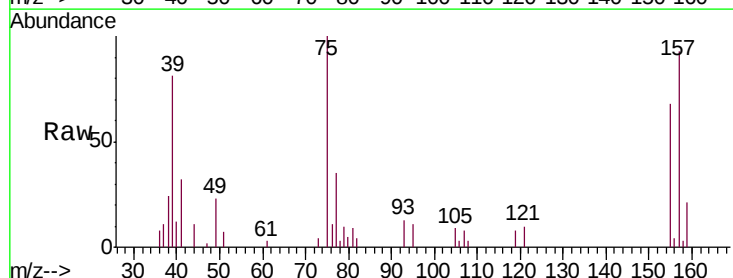
Tgt Ion: 75 Resp: 6639

Ion Ratio Lower Upper

75 100

155 68.4 52.9 79.3

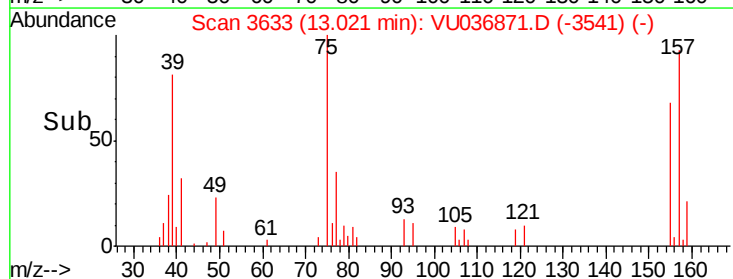
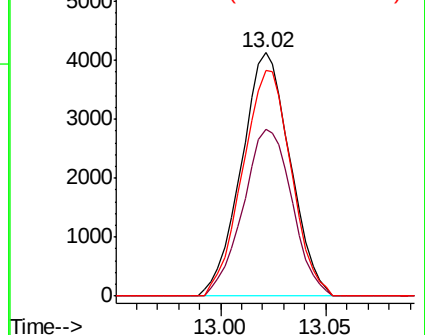
157 92.6 69.2 103.8

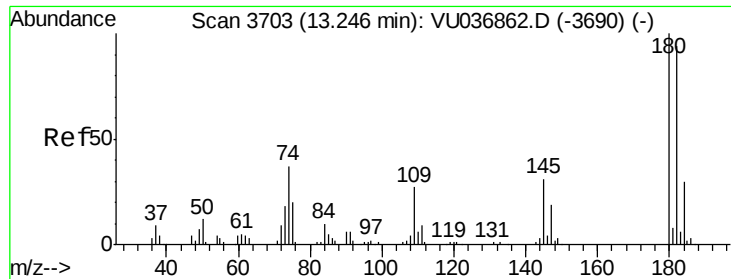


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

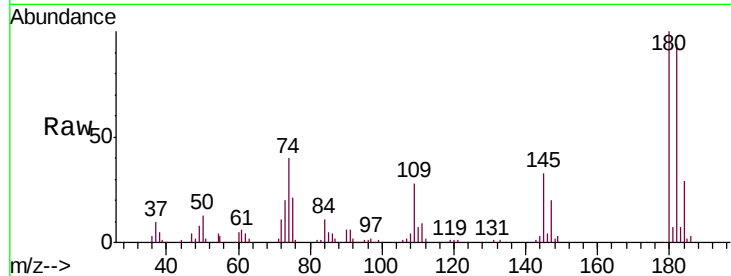




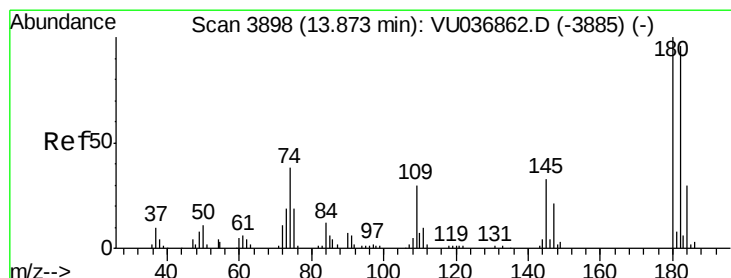
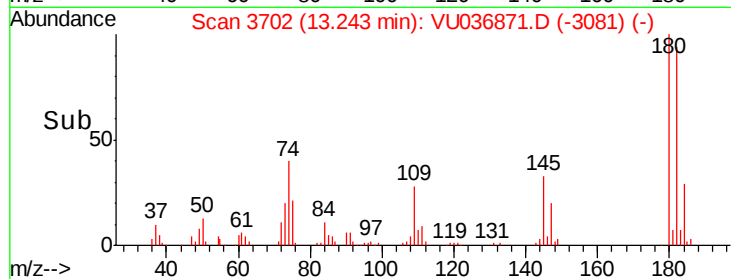
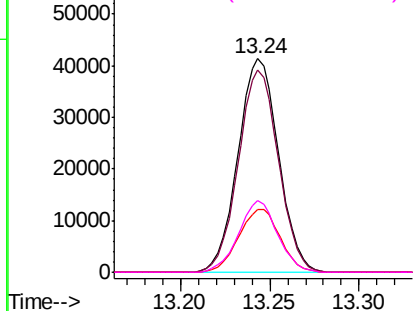
#67
 1,3,5-Trichlorobenzene
 Concen: 4.817 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Tgt Ion:180 Resp: 65734
 Ion Ratio Lower Upper
 180 100
 182 93.8 76.4 114.6
 184 30.1 24.6 37.0
 145 32.2 25.3 37.9

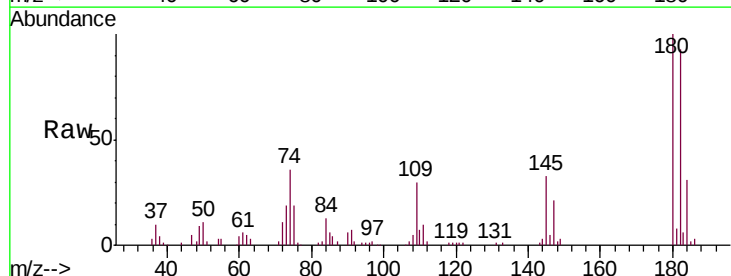


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

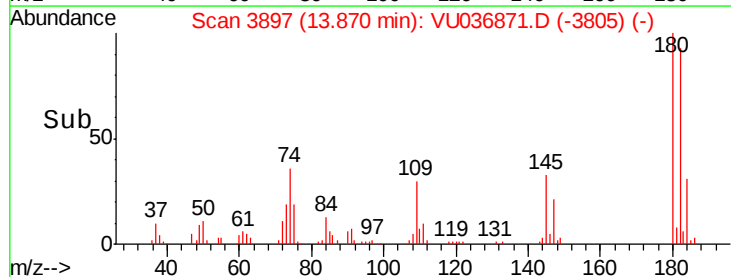
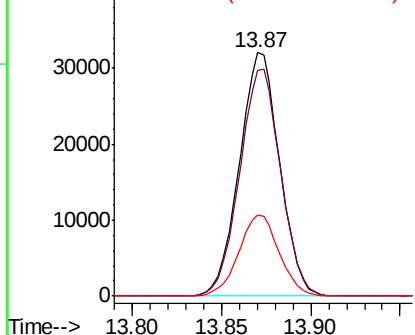


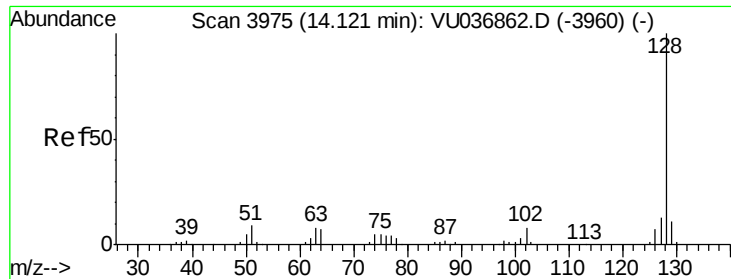
#68
 1,2,4-trichlorobenzene
 Concen: 4.920 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. -0.00 min
 Lab File: VU036871.D
 Acq: 20 Feb 2020 16:19

Tgt Ion:180 Resp: 50626
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.0 115.6
 145 33.4 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: 6.738 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00527

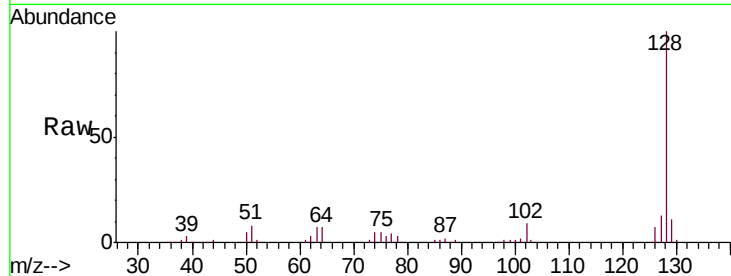
Tgt Ion:128 Resp: 125612

Ion Ratio Lower Upper

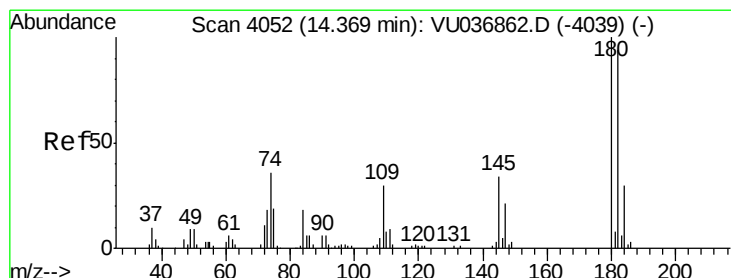
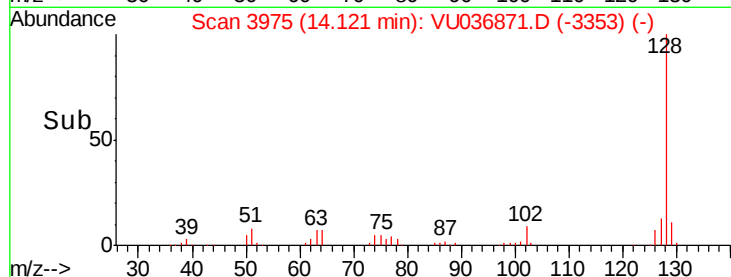
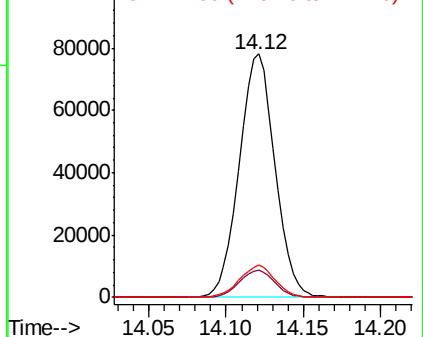
128 100

129 11.0 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: 5.152 ug/L

RT: 14.37 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VU036871.D

Acq: 20 Feb 2020 16:19

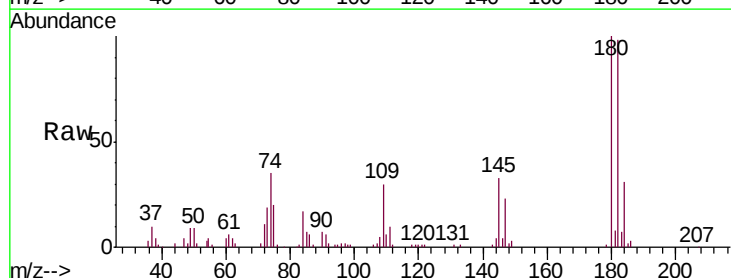
Tgt Ion:180 Resp: 47579

Ion Ratio Lower Upper

180 100

182 95.8 78.2 117.4

145 33.5 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

